

## APPENDIX B

### WATER STORAGE POND PHOTOGRAPHS



**Photo B1:** Water Storage Pond  
General view of pond from Side 1A looking east.  
(photo taken August 21, 2024)

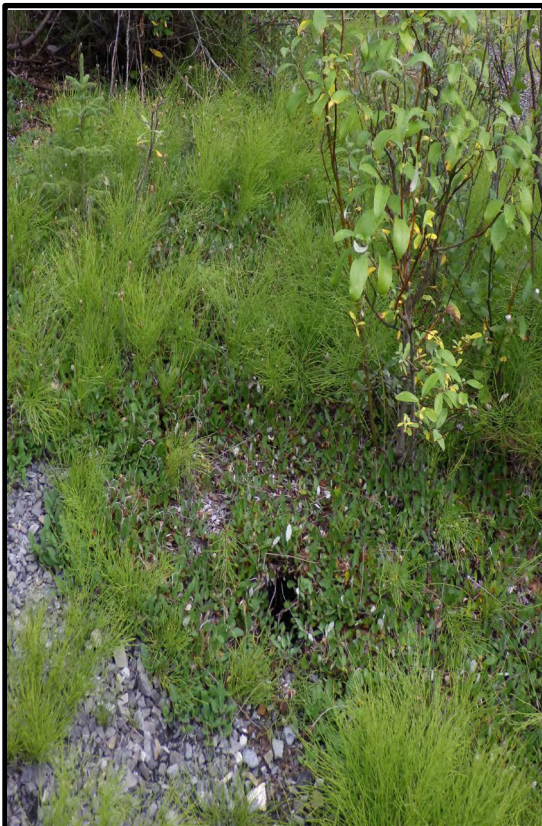


**Photo B2:** Water Storage Pond  
General view of north backslope and Side 1B looking north.  
(photo taken August 21, 2024)





**Photo B3:** Water Storage Pond, Side 1A  
Access ramp at corner of Sides 1A and 2 looking southeast.  
(photo taken August 21, 2024)



**Photo B4:** Water Storage Pond, Side 1A  
Animal burrow observed in slope  
near corner with Side 1B.  
(photo taken August 21, 2024)





**Photo B5:** Water Storage Pond, Side 1A  
Crest of slope looking east. Gabions shown along crest of slope.  
(photo taken August 21, 2024)



**Photo B6:** Water Storage Pond, Side 1A  
Toe of slope looking northeast. Exposed liner and stockpiled pond sediments shown.  
(photo taken August 21, 2024)





**Photo B7:** Water Storage Pond, Side 1A  
Base of pond looking northeast. Stockpiled pond sediments and water shown.  
(photo taken August 21, 2024)



**Photo B8:** Water Storage Pond, Side 1A  
Edge of pond looking southwest. Stockpiled pond sediments shown.  
(photo taken August 21, 2024)





**Photo B9:** Water Storage Pond, Side 1B  
Access road on top of embankment looking east. Ponding and subsidence shown.  
(photo taken August 21, 2024)



**Photo B10:** Water Storage Pond, Side 1B  
Slope and base of pond looking south.  
(photo taken August 21, 2024)





**Photo B11:** Water Storage Pond, Side 1B  
Edge of pond looking east. Exposed liner shown along toe of slope.  
(photo taken August 21, 2024)



**Photo B12:** Water Storage Pond, Side 1B  
Toe of slope looking northeast. Water seepage shown from behind old liner.  
(photo taken August 21, 2024)





**Photo B13:** Water Storage Pond, Side 1B  
Toe of slope looking southeast. Exposed liner and stockpiled pond sediment shown.  
(photo taken August 21, 2024)



**Photo B14:** Water Storage Pond, Side 1B  
Access road along top of embankment looking northwest.  
(photo taken August 21, 2024)





**Photo B15:** Water Storage Pond, Side 1C  
Crest of slope looking east.  
(photo taken August 21, 2024)



**Photo B16:** Water Storage Pond, Side 1C  
General view of slope looking northwest.  
(photo taken August 21, 2024)





**Photo B17:** Water Storage Pond, Side 1C  
Access road along top of embankment looking northwest.  
(photo taken August 21, 2024)



**Photo B18:** Water Storage Pond, Side 1C  
Access ramp at corner of Sides 1C and 4 looking southwest.  
(photo taken August 21, 2024)





**Photo B19:** Water Storage Pond, Side 2  
Toe of creek side slope looking southeast. Old creek debris shown on top of riprap.  
(photo taken August 21, 2024)



**Photo B20:** Water Storage Pond, Side 2  
Toe of creek side slope looking northwest. Old creek debris shown on top of riprap.  
(photo taken August 21, 2024)





**Photo B21:** Water Storage Pond, Side 2  
Crest of pond side slope looking northwest. Dense vegetation shown on slope.  
(photo taken August 21, 2024)



**Photo B22:** Water Storage Pond, Side 2  
Top of embankment looking southeast. Rutting and ponded water shown along top.  
(photo taken August 21, 2024)





**Photo B23:** Water Storage Pond, Side 2  
Top of embankment looking northwest. Moderate vegetation shown on side slopes.  
(photo taken August 21, 2024)



**Photo B24:** Water Storage Pond, Side 3A  
Middle of creek side slope looking east.  
(photo taken August 21, 2024)





**Photo B25:** Water Storage Pond, Side 3A  
Toe of creek side slope looking northeast. Secondary creek channel along toe.  
(photo taken August 21, 2024)



**Photo B26:** Water Storage Pond, Side 3A  
Top of embankment looking west. Rutting and ponding water shown.  
(photo taken August 21, 2024)





**Photo B27:** Water Storage Pond, Side 3A  
Middle of pond side slope looking east. Old slumping and scarps shown along slope.  
(photo taken August 21, 2024)



**Photo B28:** Water Storage Pond, Side 3A  
Base of pond looking east showing exposed pond side slope and water level.  
(photo taken August 21, 2024)





**Photo B29:** Water Storage Pond, Side 3A  
Crest of slope near corner with  
Side 3B looking north. Erosion gully  
shown from crest of embankment  
on pond side slope.  
(photo taken August 21, 2024)



**Photo B30:** Water Storage Pond, Side 3A  
Toe of creek side slope looking west from corner with Side 3B.  
(photo taken August 21, 2024)





**Photo B31:** Water Storage Pond, Side 3B  
Middle of creek side slope looking southeast. Access road shown at midslope.  
(photo taken August 21, 2024)



**Photo B32:** Water Storage Pond, Side 3B  
Toe of creek side slope looking northeast. Riprap erosion and settlement shown.  
(photo taken August 21, 2024)





**Photo B33:** Water Storage Pond, Side 3B  
Middle of creek side slope looking southeast. Riprap erosion and settlement shown.  
(photo taken August 21, 2024)



**Photo B34:** Water Storage Pond, Side 3B  
Access road on creek side slope looking northwest.  
(photo taken August 21, 2024)





**Photo B35:** Water Storage Pond, Side 3B  
Top of embankment looking northwest. Minor rutting shown along top.  
(photo taken August 21, 2024)



**Photo B36:** Water Storage Pond, Side 3B  
Crest of pond side slope looking southeast. Animal burrow shown in slope.  
(photo taken August 21, 2024)





**Photo B37:** Water Storage Pond, Side 3B  
Middle of pond side slope looking southeast. Slumping and scarps shown on slope.  
(photo taken August 21, 2024)



**Photo B38:** Water Storage Pond, Side 3B  
Middle of pond side slope looking northwest. Slumping and scarps shown on slope.  
(photo taken August 21, 2024)





**Photo B39:** Water Storage Pond, Side 3B  
Crest of pond side slope looking northwest. Animal burrows shown on slope.  
(photo taken August 21, 2024)



**Photo B40:** Water Storage Pond, Side 4  
Top of embankment looking northeast from corner with Side 3B.  
(photo taken August 21, 2024)





**Photo B41:** Water Storage Pond, Side 4  
Middle of pond side slope looking northeast. Slumping and scarps shown on slope.  
(photo taken August 21, 2024)



**Photo B42:** Water Storage Pond, Side 4  
Middle of pond side slope looking southwest. Slumping and scarps shown on slope.  
(photo taken August 21, 2024)





**Photo B43:** Water Storage Pond, Side 4  
Toe of pond side slope looking northeast. Exposed base of pond shown.  
(photo taken August 21, 2024)



**Photo B44:** Water Storage Pond, Side 4  
Crest of pond side slope looking southwest.  
(photo taken August 21, 2024)





**Photo B45:** Water Storage Pond  
General view of Side 4 and base of pond looking southeast from Side 1B.  
(photo taken August 21, 2024)



**Photo B46:** Water Storage Pond  
General view of Side 1B and North Backslope looking north from Side 3B.  
(photo taken August 21, 2024)



## APPENDIX C

### +930 LEVEL ROCK PILE PHOTOGRAPHS





**Photo C1:** +930 Level Rock Pile  
General view of rock pile looking west towards the +930 Level Portal.  
(photo taken August 22, 2024)



**Photo C2:** +930 Level Rock Pile  
Crest of rock pile looking north towards the proposed Waste Rock Pile.  
(photo taken August 22, 2024)





**Photo C3:** +930 Level Rock Pile  
Crest of rock pile looking southwest towards the Mine.  
(photo taken August 22, 2024)



**Photo C4:** +930 Level Rock Pile  
Slope of rock pile looking southwest towards the Mine.  
(photo taken August 22, 2024)





**Photo C5:** +930 Level Rock Pile  
East slope of rock pile looking southeast towards Harrison Creek.  
(photo taken August 22, 2024)



**Photo C6:** +930 Level Rock Pile  
West slope of rock pile looking southeast towards Harrison Creek.  
(photo taken August 22, 2024)





**Photo C7:** +930 Level Rock Pile  
Slope of rock pile looking northwest towards the +930 Level Portal.  
(photo taken August 22, 2024)



**Photo C8:** +930 Level Rock Pile  
Toe of rock pile looking southwest towards the Mine.  
(photo taken August 22, 2024)



## APPENDIX D

### +970 LEVEL ROCK PILE PHOTOGRAPHS





**Photo D1:** +970 Level Rock Pile  
General view of rock pile looking northeast towards the proposed Waste Rock Pile.  
(photo taken August 22, 2024)



**Photo D2:** +970 Level Rock Pile  
Slope of rock pile looking southeast towards Harrison Creek.  
(photo taken August 22, 2024)





**Photo D3:** +970 Level Rock Pile  
East slope of rock pile looking southeast towards the +930 Level Portal.  
(photo taken August 22, 2024)



**Photo D4:** +970 Level Rock Pile  
Crest of rock pile looking southwest towards the Mine.  
(photo taken August 22, 2024)





**Photo D5:** +970 Level Rock Pile  
Toe of rock pile looking southwest towards the Mine.  
(photo taken August 22, 2024)



**Photo D6:** +970 Level Rock Pile  
Toe of rock pile looking southwest towards the Mine.  
(photo taken August 22, 2024)



## APPENDIX E

### TETRA TECH'S LIMITATIONS ON USE OF THIS DOCUMENT



# LIMITATIONS ON USE OF THIS DOCUMENT

## GEOTECHNICAL

### 1.1 USE OF DOCUMENT AND OWNERSHIP

This document pertains to a specific site, a specific development, and a specific scope of work. The document may include plans, drawings, profiles and other supporting documents that collectively constitute the document (the "Professional Document").

The Professional Document is intended for the sole use of TETRA TECH's Client (the "Client") as specifically identified in the TETRA TECH Services Agreement or other Contractual Agreement entered into with the Client (either of which is termed the "Contract" herein). TETRA TECH does not accept any responsibility for the accuracy of any of the data, analyses, recommendations or other contents of the Professional Document when it is used or relied upon by any party other than the Client, unless authorized in writing by TETRA TECH.

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The Professional Document and any other form or type of data or documents generated by TETRA TECH during the performance of the work are TETRA TECH's professional work product and shall remain the copyright property of TETRA TECH.

The Professional Document is subject to copyright and shall not be reproduced either wholly or in part without the prior, written permission of TETRA TECH. Additional copies of the Document, if required, may be obtained upon request.

### 1.2 ALTERNATIVE DOCUMENT FORMAT

Where TETRA TECH submits electronic file and/or hard copy versions of the Professional Document or any drawings or other project-related documents and deliverables (collectively termed TETRA TECH's "Instruments of Professional Service"), only the signed and/or sealed versions shall be considered final. The original signed and/or sealed electronic file and/or hard copy version archived by TETRA TECH shall be deemed to be the original. TETRA TECH will archive a protected digital copy of the original signed and/or sealed version for a period of 10 years.

Both electronic file and/or hard copy versions of TETRA TECH's Instruments of Professional Service shall not, under any circumstances, be altered by any party except TETRA TECH. TETRA TECH's Instruments of Professional Service will be used only and exactly as submitted by TETRA TECH.

Electronic files submitted by TETRA TECH have been prepared and submitted using specific software and hardware systems. TETRA TECH makes no representation about the compatibility of these files with the Client's current or future software and hardware systems.

### 1.3 STANDARD OF CARE

Services performed by TETRA TECH for the Professional Document have been conducted in accordance with the Contract, in a manner consistent with the level of skill ordinarily exercised by members of the profession currently practicing under similar conditions in the jurisdiction in which the services are provided. Professional judgment has been applied in developing the conclusions and/or recommendations provided in this Professional Document. No warranty or guarantee, express or implied, is made concerning the test results, comments, recommendations, or any other portion of the Professional Document.

If any error or omission is detected by the Client or an Authorized Party, the error or omission must be immediately brought to the attention of TETRA TECH.

### 1.4 DISCLOSURE OF INFORMATION BY CLIENT

The Client acknowledges that it has fully cooperated with TETRA TECH with respect to the provision of all available information on the past, present, and proposed conditions on the site, including historical information respecting the use of the site. The Client further acknowledges that in order for TETRA TECH to properly provide the services contracted for in the Contract, TETRA TECH has relied upon the Client with respect to both the full disclosure and accuracy of any such information.

### 1.5 INFORMATION PROVIDED TO TETRA TECH BY OTHERS

During the performance of the work and the preparation of this Professional Document, TETRA TECH may have relied on information provided by third parties other than the Client.

While TETRA TECH endeavours to verify the accuracy of such information, TETRA TECH accepts no responsibility for the accuracy or the reliability of such information even where inaccurate or unreliable information impacts any recommendations, design or other deliverables and causes the Client or an Authorized Party loss or damage.

### 1.6 GENERAL LIMITATIONS OF DOCUMENT

This Professional Document is based solely on the conditions presented and the data available to TETRA TECH at the time the data were collected in the field or gathered from available databases.

The Client, and any Authorized Party, acknowledges that the Professional Document is based on limited data and that the conclusions, opinions, and recommendations contained in the Professional Document are the result of the application of professional judgment to such limited data.

The Professional Document is not applicable to any other sites, nor should it be relied upon for types of development other than those to which it refers. Any variation from the site conditions present, or variation in assumed conditions which might form the basis of design or recommendations as outlined in this document, at or on the development proposed as of the date of the Professional Document requires a supplementary exploration, investigation, and assessment.

TETRA TECH is neither qualified to, nor is it making, any recommendations with respect to the purchase, sale, investment or development of the property, the decisions on which are the sole responsibility of the Client.



## 1.7 ENVIRONMENTAL AND REGULATORY ISSUES

Unless stipulated in the report, TETRA TECH has not been retained to explore, address or consider and has not explored, addressed or considered any environmental or regulatory issues associated with development on the subject site.

## 1.8 NATURE AND EXACTNESS OF SOIL AND ROCK DESCRIPTIONS

Classification and identification of soils and rocks are based upon commonly accepted systems, methods and standards employed in professional geotechnical practice. This report contains descriptions of the systems and methods used. Where deviations from the system or method prevail, they are specifically mentioned.

Classification and identification of geological units are judgmental in nature as to both type and condition. TETRA TECH does not warrant conditions represented herein as exact, but infers accuracy only to the extent that is common in practice.

Where subsurface conditions encountered during development are different from those described in this report, qualified geotechnical personnel should revisit the site and review recommendations in light of the actual conditions encountered.

## 1.9 LOGS OF TESTHOLES

The testhole logs are a compilation of conditions and classification of soils and rocks as obtained from field observations and laboratory testing of selected samples. Soil and rock zones have been interpreted. Change from one geological zone to the other, indicated on the logs as a distinct line, can be, in fact, transitional. The extent of transition is interpretive. Any circumstance which requires precise definition of soil or rock zone transition elevations may require further investigation and review.

## 1.10 STRATIGRAPHIC AND GEOLOGICAL INFORMATION

The stratigraphic and geological information indicated on drawings contained in this report are inferred from logs of test holes and/or soil/rock exposures. Stratigraphy is known only at the locations of the test hole or exposure. Actual geology and stratigraphy between test holes and/or exposures may vary from that shown on these drawings. Natural variations in geological conditions are inherent and are a function of the historical environment. TETRA TECH does not represent the conditions illustrated as exact but recognizes that variations will exist. Where knowledge of more precise locations of geological units is necessary, additional exploration and review may be necessary.

## 1.11 PROTECTION OF EXPOSED GROUND

Excavation and construction operations expose geological materials to climatic elements (freeze/thaw, wet/dry) and/or mechanical disturbance which can cause severe deterioration. Unless otherwise specifically indicated in this report, the walls and floors of excavations must be protected from the elements, particularly moisture, desiccation, frost action and construction traffic.

## 1.12 SUPPORT OF ADJACENT GROUND AND STRUCTURES

Unless otherwise specifically advised, support of ground and structures adjacent to the anticipated construction and preservation of adjacent ground and structures from the adverse impact of construction activity is required.

## 1.13 INFLUENCE OF CONSTRUCTION ACTIVITY

Construction activity can impact structural performance of adjacent buildings and other installations. The influence of all anticipated construction activities should be considered by the contractor, owner, architect and prime engineer in consultation with a geotechnical engineer when the final design and construction techniques, and construction sequence are known.

## 1.14 OBSERVATIONS DURING CONSTRUCTION

Because of the nature of geological deposits, the judgmental nature of geotechnical engineering, and the potential of adverse circumstances arising from construction activity, observations during site preparation, excavation and construction should be carried out by a geotechnical engineer. These observations may then serve as the basis for confirmation and/or alteration of geotechnical recommendations or design guidelines presented herein.

## 1.15 DRAINAGE SYSTEMS

Unless otherwise specified, it is a condition of this report that effective temporary and permanent drainage systems are required and that they must be considered in relation to project purpose and function. Where temporary or permanent drainage systems are installed within or around a structure, these systems must protect the structure from loss of ground due to mechanisms such as internal erosion and must be designed so as to assure continued satisfactory performance of the drains. Specific design details regarding the geotechnical aspects of such systems (e.g. bedding material, surrounding soil, soil cover, geotextile type) should be reviewed by the geotechnical engineer to confirm the performance of the system is consistent with the conditions used in the geotechnical design.

## 1.16 DESIGN PARAMETERS

Bearing capacities for Limit States or Allowable Stress Design, strength/stiffness properties and similar geotechnical design parameters quoted in this report relate to a specific soil or rock type and condition. Construction activity and environmental circumstances can materially change the condition of soil or rock. The elevation at which a soil or rock type occurs is variable. It is a requirement of this report that structural elements be founded in and/or upon geological materials of the type and in the condition used in this report. Sufficient observations should be made by qualified geotechnical personnel during construction to assure that the soil and/or rock conditions considered in this report in fact exist at the site.

## 1.17 SAMPLES

TETRA TECH will retain all soil and rock samples for 30 days after this report is issued. Further storage or transfer of samples can be made at the Client's expense upon written request, otherwise samples will be discarded.

## 1.18 APPLICABLE CODES, STANDARDS, GUIDELINES & BEST PRACTICE

This document has been prepared based on the applicable codes, standards, guidelines or best practice as identified in the report. Some mandated codes, standards and guidelines (such as ASTM, AASHTO Bridge Design/Construction Codes, Canadian Highway Bridge Design Code, National/Provincial Building Codes) are routinely updated and corrections made. TETRA TECH cannot predict nor be held liable for any such future changes, amendments, errors or omissions in these documents that may have a bearing on the assessment, design or analyses included in this report.