



CITY COUNCIL

WORKSHOP AND REGULAR MEETING AGENDA

April 7, 2021
7:00 PM
202 Railroad Avenue, Rifle, CO

6:00 PM - Workshop Meeting

Discussion and Review

- a. Update from Transportation Sub-Committee (30 mins)
- b. Discuss Recommendation to Construct Third Street in Concrete (20 mins)

7:00 PM - Regular Meeting

- 1. **Call to Order & Roll Call**
- 2. **Pledge of Allegiance**
- 3. **Public Comment** *(maximum time permitted for Public Comment is 3 minutes per person)
 - 3.a. Instructions to Participate / Citizen Comments - for items not listed as public hearings on the agenda
- 4. **Consent Agenda**
 - 4.a. Consider Minutes of the February 3, 2021, Regular Meeting
 - 4.b. Consider Minutes of the February 17, 2021, Regular Meeting
 - 4.c. Consider Liquor License Renewal for Thai Chili Bistro, LLC dba Thai Chili Bistro
 - 4.d. Consider Liquor License Renewal for Kum & Go, LC dba Kum & Go #921
 - 4.e. Consider Liquor License Renewal for Kum & Go, LC dba Kum & Go #4923
 - 4.f. Consider 2021 Intergovernmental Agreement for Mosquito Control with Garfield County
- 5. **Action, if any, on Workshop Items**

6. Presentation

- 6.a.** Receive an Update on Downtown Project

7. Regular Agenda

- 7.a.** Consider Reappointment of Dustin Marantino, Marc Caldwell, Helen Rogers and Treonna Villasenor to the Planning and Zoning Commission
- 7.b.** Consider Recommendation to Construct Third Street in Concrete
- 7.c.** Consider amending Chapter 7, Article VI of the Rifle Municipal Code Regarding Impounded Animals - Ordinance No. 2, Series of 2021 - 1st reading
- 7.d.** Consider awarding contract to CKC Operations, LLC for the 2021 Crack Sealing
- 7.e.** Consider Purchase of Medium Duty Snowplow Truck
- 7.f.** Consider Designation of Multiple Fleet Vehicles as Surplus
- 7.g.** Consider requiring confirmation a Liquor License Renewal Applicant is current with sales tax obligations - Ordinance No. 4, Series of 2021 - 1st reading
- 7.h.** Consider amending Rifle Municipal Code to reference the Uniform Election Code in Title 1, C.R.S. for Coordinated Elections - Ordinance No. 5, Series of 2021 - 1st reading
- 7.i.** Consider Authorizing the Purchase of Real Estate - Resolution No. 3, Series of 2021
- 7.j.** Consider Extending Development Impact Fee Waivers - Ordinance No. 3, Series of 2021 - 1st Reading

8. Administrative Reports

- 8.a.** Report to City Manager

9. Comments from Mayor and Council

10. Adjournment



Agenda Item #a.

Agenda Item Name:

Update from Transportation Sub-Committee (30 mins)

Presenter:

Tami Sours, Senior Center Director

Item Description:

The Transportation Sub-Committee met on Wednesday March 31, 2021. The committee went over the Rifle Para-transit Study done by Ross Peterson. The committee went over a list of changes that were made based on the study along with items investigated but no changes made due to different circumstances.

Recommended Action:

No action required

Fiscal Impact:

None at this time

Operational Impact:

Some of the parameters that were changed by RFTA were the following:

- Reduced from 5 mile radius to 2 mile radius
- Eliminated the monthly trip to Grand Junction
- Eliminated the weekly trip to Glenwood Springs
- Mountain Valley Clients are now billed to the towns they live

Changes looked into but not initiated:

- Change of age group
- Volunteer Driver Program
- NEMT (Non Emergency Medical Transportation) Program

RFTA took out all cost for fogging the vans in the 2020 MOU to help decrease the cost and fit within the budget set by the City of Rifle. The staff at the meeting were unsure if Dan Blankenship would do this again for 2021 and going forward.

Prior Board Motions:

N/A

Background Information:

The Rifle Para-transit Study was initiated by the City of Rifle in 2020. It has been presented to Council, Garfield County Senior Advisory Board, the sub-committee appointed by the Board, and RFTA. Many steps have been taken as a result of the study and some changes have been made as outlined above. Other items have been looked into but for various reasons changes were not made as of the March 31st meeting. Judy Martin and Rich Burns will be meeting to discuss other items and present at the next sub-committee meeting the first week of May.

Executive Summary:**Notification Requirements:****Prepared By:**

Tami Sours, Senior Center Director

Attachments:

None



Agenda Item #b.

Agenda Item Name:

Discuss Recommendation to Construct Third Street in Concrete (20 mins)

Presenter:

Craig Spaulding, Civil Engineer

Brian Prunty, Public Works Director

Item Description:

Discuss recommendation to construct Third Street in Concrete as a Change Order to the Downtown Railroad Avenue and 3rd Street Rehabilitation Project and provide second alternative of also constructing Railroad Avenue in concrete.

Recommended Action:

Remain with asphalt and No Concrete: No action on workshop items

Third Street Only: Motion to increase the Third and Railroad concrete roadway quantities and reduce asphalt and road base quantities to construct Third Street out of concrete instead of asphalt for the amount not to exceed \$62,962.94.

Third Street and Railroad Avenue: Motion to increase the Third and Railroad concrete roadway quantities and reduce asphalt and road base quantities to construct Third Street and Railroad Ave out of concrete instead of asphalt for an amount not to exceed \$170,784.20.

Fiscal Impact:

Reduction of long-term maintenance costs and impacts to the businesses of the Downtown district.

Operational Impact:

Reduced maintenance and longer service life allowing for maintenance efforts to be concentrated on other roadways.

Prior Board Motions:

None

Background Information:

Geotechnical analysis of the Third and Railroad area has been ongoing since 2016. The outcome of the analysis is attached but included both asphalt and concrete road sections. Both sections are designed for the conditions that are presented in this area. During the design process it was decided to use an asphalt section because of its

cost and its ability to be overlaid half way through the design life which makes the road look like new.

Both Martinez Western and Colorado Engineering are recommending that Third Street be paved in concrete instead of asphalt. This change would be an increase to the project cost of approximately \$60,000.

Colorado Engineering has outlined the benefits of concrete instead of asphalt but some of the most important to note are:

- 1.) Getting business frontage restored faster
- 2.) Reduced impact on existing foundations (asphalt requires large vibratory equipment which has been analyzed but still raises concern adjacent to the existing foundations downtown)

Executive Summary:

To change Third Street to Concrete is an additional cost of \$62,962.94.

Changing both Third Street and Railroad Ave to concrete is an additional cost of \$170,784.20. It should be noted that by doing both Third and Railroad Ave in concrete the unit cost is reduced.

The aesthetic value of streets not subject to short term degradation cannot be overvalued.

Additional information is provided as attachments on the Regular Agenda Item #6

Notification Requirements:

None

Prepared By:

Kristy Doll, CMC, City Clerk

Attachments:

1. Memo to SHahn re concrete paving
2. Memo-Concrete Paving vs Asphalt at Third St



TO: Scott Hahn, City Manager
FROM: Brian Prunty
CC: Craig Spaulding, Staff Civil Engineer
DATE: March 31, 2021
RE: Change Order to Downtown Rehabilitation Project for Concrete Paving

Prior to the award of the contract for the Downtown Rehabilitation Project, discussion was initiated on an engineering level to consider the paving of the section of 3rd Street and subsequently Railroad Avenue. While the idea was shelved, due to unknowns of the bid proposal costs, now that we are cognizant of our costs, the discussion of concrete paving could be re-engaged.

Speaking with our contractor for the project, KSK, LLC, we came to realize there are numerous advantages to paving with concrete. Specifically, we were initially looking at 3rd Street, but after understanding the advantages and the long-term cost benefits, the only question seemed to be was, 'Why not do all of the project streets in concrete?' A subsequent discussion with KSK yielded a unit cost reduction, which made paving with concrete even more attractive.

In the attached memo, Craig has done a superb job and laying out the rationale for paving with concrete. The least not being the faster incremental restoration of business traffic to the impacted areas.

Our plan is to introduce these ideas during the Council Workshop for the April 7, 2021 meeting. With Council approval (or rejection) of our proposals, we will at that time draft the Change Order for the additional construction costs, as appropriate. Our costs for this Change Order fit within our budget and Contingency funds.

BGP



PUBLIC WORKS



TO: Brian Prunty
FROM: Craig Spaulding
DATE: March 30, 2019
RE: Third St Concrete Paving

The purpose of the following memo is to discuss both Colorado River Engineering's and Martinez Western's recommendation to pave Third Street in concrete instead of asphalt.

Geotechnical analysis of the Third and Railroad area has been ongoing since 2016. The outcome of the analysis included both asphalt and concrete road sections. Both sections are designed for the conditions that are presented in this area. During the design process it was decided to use an asphalt section because of its cost and its ability to be overlaid half way through the design life which makes the road look like new.

Both Martinez Western and Colorado Engineering are recommending that Third Street be paved in concrete instead of asphalt. This change would be an increase to the project cost of approximately \$60,000.

Colorado Engineering has outlined the benefits of concrete instead of asphalt but some of the most important to note are:

1. Getting business frontage restored faster
2. Reduced impact on existing foundations (asphalt requires large vibratory equipment which has been analyzed but still raises concern adjacent to the existing foundations downtown)

Cost estimates are addressed in the memo presented by CRE but lifecycle costs should also be analyzed. In the life of the concrete road an asphalt road would need milled and overlaid at least once. Using today's rates, this overlay would cost approximately \$44,045.05 using 15 years of 3% inflation this would cost approximately \$68,000.00. Using a conservative estimate, concrete does not necessarily "save money" but it does provide a better product for a comparable lifecycle cost.



Agenda Item #3.a.

Agenda Item Name:

Instructions to Participate / Citizen Comments - for items not listed as public hearings on the agenda

Presenter:

Item Description:

Citizen Comments - for items not listed as public hearings on the agenda.

Please limit comments to 3 minutes. Please see instructions below.

Electronic Meeting Participation:

Please click the link below to join the webinar:

[Click here to join electronic meeting](http://www.rifleco.org/ElectronicMeetings) or (www.rifleco.org/ElectronicMeetings)

Password: 929942

Participate by phone:

Dial: 1 301 715 8592 or 1 312 626 6799 / Webinar ID: 416 406 740

If you are participating electronically and would like to make a citizen comment during the City Council Meeting, please raise your hand on Zoom we will call on you during that portion of the meeting. During the meeting, you will be asked to state your name and if you live in the city limits of Rifle.

Recommended Action:

Fiscal Impact:

None

Operational Impact:

None

Prior Board Motions:

None

Background Information:

None

Executive Summary:

None

Notification Requirements:

None

Prepared By:

Misty Williams, Administrative Assistant

Attachments:

None



Agenda Item #4.a.

Agenda Item Name:

Consider Minutes of the February 3, 2021, Regular Meeting

Presenter:

Kristy Doll, CMC, City Clerk

Item Description:

Minutes of the February 3, 2021, Regular Meeting

Recommended Action:

Approve the minutes of the February 3, 2021, City Council Regular Meeting

Fiscal Impact:

None

Operational Impact:

None

Prior Board Motions:

None

Background Information:

None

Executive Summary:

Minutes of the February 3, 2021, Regular Meeting

Notification Requirements:

None

Prepared By:

Misty Williams, Administrative Assistant

Attachments:

1. February 3.2021 Minutes



RIFLE CITY COUNCIL

REGULAR MEETING

February 3, 2021

7:00 p.m.

202 Railroad Avenue, Rifle, CO

CALL TO ORDER & ROLL CALL

A regular meeting of the Rifle City Council was called to order at 7:00 p.m. by Mayor Barb Clifton. This Rifle City Council meeting was posted as an electronic meeting and held as an electronic meeting.

Present at Roll Call:

Mayor Barbara Clifton, Councilor Theresa Hamilton, Councilor Joe Carpenter, Councilor Brian Condie, Councilor Ed Green, Councilor Clint Hostettler, and Councilor Sean Strobe.

Others Present:

Rifle City Manager Scott Hahn, City Clerk Kristy Doll, City Attorney Jim Neu, Rifle Community Television (RCTV) Michael Churchill, Chief of Police Tommy Klein, Finance Director Michelle Duran, and Planning Director Nathan Lindquist.

PUBLIC COMMENT

No citizen comments were heard.

CONSENT AGENDA – CONSIDER APPROVING THE FOLLOWING ITEMS:

- A. Consider Minutes of the December 2, 2020, Regular Meeting
- B. Consider Minutes of the December 2, 2020, Special Meeting
- C. Consider Amending Appendix A of the Rifle Municipal Code regarding sanitation and water rates for 2021 Ordinance No. 1, Series of 2021 2nd Reading
- D. Consider Purchase Order for expenditure to Colorado River Fire Rescue for Janitorial Services at City of Rifle Police Department

Councilor Sean Strobe moved to approve Consent Agenda Items A, B, C and D; seconded by Councilor Joe Carpenter.

Roll Call: Yes - Barbara Clifton, Theresa Hamilton, Joe Carpenter, Brian Condie, Ed Green, Clint Hostettler, Sean Strobe; No - None

REGULAR AGENDA

Receive Update on 2021 Parks and Recreation Fees

Parks and Recreation Director Tom Whitmore and Recreation Program Manager Austin Rickstrew stated these 2021 fees are reviewed and recommended by staff, reviewed by the Parks and Recreation Advisory Board, and approved by the City Manager. The Parks and Recreation fees are reviewed annually.

Consider designating equipment as surplus and disposition of equipment

Utilities Director Robert Burns explained that some old equipment would need to be removed and disposed of as part of the Wastewater Treatment Facility's Dewatering Improvement Project. The equipment that needs to be removed to make room for the new dewatering press consists of some screens, augers, and associated piping. The equipment cannot be removed whole, and to disassemble and reassemble the equipment would cost an additional \$6,000 to \$8,000. Allowing the qualified contractor approved for the dewatering improvement to remove and dispose of the surplus equipment would be the most cost-efficient method. Rifle Municipal Code states that the City's personal property purchased for more than ten thousand dollars must be declared surplus by the City Council. Staff recommends the old wastewater components are declared as surplus and the contractor for the dewatering improvements to be authorized to remove and dispose of the equipment.

Councilor Sean Strode moved to designate old components at the Wastewater Reclamation Facility as surplus and approve contractor removal and disposal of old components; seconded by Councilor Clint Hostettler.

Roll Call: Yes - Barbara Clifton, Theresa Hamilton, Joe Carpenter, Brian Condie, Ed Green, Clint Hostettler, Sean Strode; No - None

Consider Professional Services Agreement with SGM for Construction Management Services for the Dewatering Improvements at the Wastewater Treatment Facility

Utilities Director Robert Burns explained that SGM has familiarity with the Dewatering Improvement project. SGM was the design firm for Rifle Regional Wastewater Reclamation Facility and has been involved with several current projects at the Wastewater Treatment Facility, including the design and permitting for this project. Staff recommends approval of a professional services agreement with SGM for construction management services for the Dewatering Improvements at the Wastewater Treatment Facility for \$76,364.

Councilor Clint Hostettler moved to approve the professional services agreement with SGM for construction management services for Dewatering Improvements at the Wastewater Treatment Facility in an amount not to exceed \$76,364.00; seconded by Councilor Sean Strode.

Roll Call: Yes - Barbara Clifton, Theresa Hamilton, Joe Carpenter, Brian Condie, Ed Green, Clint Hostettler, Sean Strode; No - None

Consider Purchase of 2020 Elgin Crosswind Street Sweeper

Public Works Director Brian Prunty and O&M Supervisor Colton Secary stated it has become increasingly apparent that we need to replace our existing 2012 Pelican Street Sweeper. The street sweeper requires significant maintenance and repairs, and the frequency and cost of the repairs are inhibiting O&M from properly performing street sweeping operations. The purchase of a new street sweeper was included in the 2021 budget. The purchase price of \$278,500.00 for the 2020 Elgin Crosswind Street Sweeper includes a trade-in for the 2012 Pelican Waterless Street Sweeper. Staff recommends approval of the purchase of the 2020 Elgin Street Sweeper for \$278,500.00 includes a trade-in of the 2012 Pelican Waterless Street Sweeper.

Councilor Brian Condie moved to approve the purchase of the 2020 Elgin Crosswind Street Sweeper in the amount of \$278,750.00 to include the trade-in of the 2012 Pelican Waterless Street Sweeper; seconded by Councilor Joe Carpenter.

Roll Call: Yes - Barbara Clifton, Theresa Hamilton, Joe Carpenter, Brian Condie, Ed Green, Clint Hostettler, Sean Strode; No - None

Consider Rifle Creek Golf Course Water Rights Lease

City Attorney Jim Neu noted that in 1989 the City entered into a water lease agreement with Rifle Gap Land Company with an automatic renewal every ten years for a thirty-year term. The agreement leased the City's water rights on the Rifle Creek Canyon Ditch to the Rifle Gap Land Company to irrigate the golf course. A First Amendment to Golf Course Water Rights Lease was approved on August 8, 2009, extending the term until August 8, 2019. The City has been leasing water rights on an annual basis since 2019. The lease amendment is a one-year lease through October 31, 2021.

Councilor Hostettler moved to approve the Rifle Creek Golf Course water rights lease with Rifle Gap Land Company expiring October 31, 2021; seconded by Councilor Strode.

Roll Call: Yes - Barbara Clifton, Theresa Hamilton, Joe Carpenter, Brian Condie, Ed Green, Clint Hostettler, Sean Strode; No - None

Receive Presentations on Bureau of Land Management (BLM) Grand Hogback Trails and Additional Parking Lot for Grand Hogback Trails

Planning Director Nathan Lindquist presented plans for the parking lot improvements at the Grand Hogback Trails and provided an update on the trail construction.

Administrative Reports

Administrative reports were heard from City Manager Scott Hahn, City Clerk Kristy Doll, and Chief of Police Tommy Klein.

Comments from Mayor and Council

Council Comments were heard from Councilor Strode, Councilor Condie, Councilor Hamilton, and Mayor Clifton.

Adjournment

Meeting adjourned at 8:08 p.m.

Kristy Doll
City Clerk

Barb Clifton
Mayor



Agenda Item #4.b.

Agenda Item Name:

Consider Minutes of the February 17, 2021, Regular Meeting

Presenter:

Kristy Doll, CMC, City Clerk

Item Description:

Minutes of the February 17, 2021, Regular Meeting

Recommended Action:

Approve the minutes of the February 17, 2021, City Council Regular Meeting

Fiscal Impact:

None

Operational Impact:

None

Prior Board Motions:

None

Background Information:

None

Executive Summary:

Minutes of the February 17, 2021, Regular Meeting

Notification Requirements:

None

Prepared By:

Misty Williams, Administrative Assistant

Attachments:

1. February 17, 2021 Minutes



RIFLE CITY COUNCIL

REGULAR MEETING

February 17, 2021

7:00 p.m.

202 Railroad Avenue, Rifle, CO

CALL TO ORDER & ROLL CALL

A regular meeting of the Rifle City Council was called to order at 7:00 p.m. by Mayor Barb Clifton. This Rifle City Council meeting was posted as an electronic meeting and held as an electronic meeting.

Present at Roll Call:

Mayor Barbara Clifton, Councilor Theresa Hamilton, Councilor Joe Carpenter, Councilor Brian Condie, Councilor Ed Green, Councilor Clint Hostettler, and Councilor Sean Strobe.

Others Present:

Rifle City Manager Scott Hahn, City Clerk Kristy Doll, City Attorney Jim Neu, Rifle Community Television (RCTV) Michael Churchill, Chief of Police Tommy Klein, Finance Director Michelle Duran, Utilities Director Robert Burns, and Civil Engineer Craig Spaulding.

PUBLIC COMMENT

No citizen comments were heard.

CONSENT AGENDA – CONSIDER APPROVING THE FOLLOWING ITEMS:

- A. Consider Minutes of the December 16, 2020, Regular Meeting
- B. Consider Liquor License Renewal for Nacho's Mexican Dining, LLC dba Nacho's Mexican Dining

Councilor Theresa Hamilton moved to approve Consent Agenda Items A and B; seconded by Councilor Sean Strobe.

Roll Call: Yes - Barbara Clifton, Theresa Hamilton, Joe Carpenter, Brian Condie, Ed Green, Clint Hostettler, Sean Strobe; No - None

REGULAR AGENDA

Consider approving contract with Mueller Construction Services for the Dewatering Improvements Project at the Wastewater Reclamation Facility

Utilities Director Robert Burns explained the Dewatering Improvement Project includes construction improvements to the biosolids dewatering system at the Wastewater Reclamation Facility. This project was included in the budget at \$700,000, and the City received \$350,000 in grant funding from DOLA. Mueller Construction Services submitted the lowest bid for the Dewatering Improvements Project at \$762,888 (8.9%) over the budgeted amount. The additional cost of \$62,888 will require supplemental appropriation at the end of the year. Staff recommends awarding the Dewatering Improvements Project contract to Mueller Construction Services in the amount of \$762,888.

Councilor Theresa Hamilton moved to award the Dewatering Improvement Project contract to Mueller Construction Services in the amount of \$762,888.00; seconded by Councilor Brian Condie.

Roll Call: Yes - Barbara Clifton, Theresa Hamilton, Joe Carpenter, Brian Condie, Ed Green, Clint Hostettler, Sean Strode; No - None

Receive report of preliminary 4th quarter 2020 financial results

Finance Director Michelle Duran presented an overview of the 4th quarter 2020 unaudited financial reports, including the year-to-date sales taxes collected, excise tax collected, expenditures, revenues, and fund balances.

Councilor Theresa Hamilton moved to contribute \$40,000 from retail marijuana excise tax to Rifle Community Foundation for drug and alcohol rehabilitation; seconded by Councilor Sean Strode.
Roll Call: Yes - Barbara Clifton, Theresa Hamilton, Joe Carpenter, Brian Condie, Ed Green, Clint Hostettler, Sean Strode; No - None

Consider awarding contract to KSK, LLC for the Construction Services for Third Street and Railroad Avenue

This agenda item was postponed.

Administrative Reports

Administrative Reports were heard from City Manager Scott Hahn and Chief of Police Tommy Klein.

Comments from Mayor and Council

No comments were heard from Mayor or Council.

EXECUTIVE SESSION

Executive Session for discussion of a personnel matter under C.R.S. Section 24-6-402(4)(f) and not involving: any specific employees who have requested discussion of the matter in open session; any member of this body or any elected official; the appointment of any person to fill an office of this body or of an elected official; or personnel policies that do not require the discussion of matters personal to particular employees (City Manager Update)

Councilor Theresa Hamilton moved to go into Executive Session for discussion of a personnel matter under C.R.S. Section 24-6-402(4)(f) for the City Manager's Update; seconded by Councilor Sean Strode.

Roll Call: Yes - Barbara Clifton, Theresa Hamilton, Joe Carpenter, Brian Condie, Ed Green, Clint Hostettler, Sean Strode; No - None

Upon returning to the Regular Meeting following the executive session's conclusion, the meeting adjourned at 8:24 p.m.

Kristy Doll
City Clerk

Barb Clifton
Mayor



Agenda Item #4.c.

Agenda Item Name:

Consider Liquor License Renewal for Thai Chili Bistro, LLC dba Thai Chili Bistro

Presenter:

Kristy Doll, CMC, City Clerk

Item Description:

Hotel & Restaurant Liquor License Renewal for Thai Chili Bistro, LLC dba Thai Chili Bistro

Recommended Action:

I move to approve the Liquor License Renewal application for Thai Chili Bistro, LLC dba Thai Chili Bistro

Fiscal Impact:

None

Operational Impact:

None

Prior Board Motions:

None

Background Information:

Thai Chili Bistro, LLC dba Thai Chili Bistro located at 115 East 3rd Street, Rifle, CO has submitted a Hotel & Restaurant Liquor License Renewal Application.

The application is complete and the appropriate fees have been paid.

Executive Summary:

None

Notification Requirements:

None

Prepared By:

Misty Williams, Administrative Assistant

Attachments:

1. Thai Chili Liquor License Renewal_Redacted

RECEIVED

MAR 05 2021

City Clerk
 City of Rifle

THAI CHILI BISTRO
6082 SOUTH PARIS STREET
Englewood CO 80111

Fees Due	
Renewal Fee	Waived due to 20B-001
Storage Permit \$100 X _____	\$
Sidewalk Service Area \$75.00	\$
Additional Optional Premise Hotel & Restaurant \$100 X _____	Waived due to 20B-001
Related Facility - Campus Liquor Complex \$160.00 per facility	Waived due to 20B-001
Amount Due/Paid	\$

Make check payable to: Colorado Department of Revenue. The State may convert your check to a one-time electronic banking transaction. Your bank account may be debited as early as the same day received by the State. If converted, your check will not be returned. If your check is rejected due to insufficient or uncollected funds, the Department may collect the payment amount directly from your banking account electronically.

Retail Liquor or Fermented Malt Beverage License Renewal Application

Please verify & update all information below

Return to city or county licensing authority by due date

Licensee Name THAI CHILI BISTRO INC		Doing Business As Name (DBA) THAI CHILI BISTRO		
Liquor License # 42-60302-0000	License Type Hotel & Restaurant (city)	Sales Tax License # 42603020000	Expiration Date 05/21/2021	Due Date 04/06/2021
Business Address 115 EAST 3RD STREET Rifle CO 81650-2317		County Garfield		Phone Number 9706258888
Mailing Address 6082 SOUTH PARIS STREET Englewood CO 80111		Email tina.cpa@gmail.com		
Operating Manager Bing Liu	Date of Birth	Home Address	Phone Number	
1. Do you have legal possession of the premises at the street address above? (Yes) No Are the premises owned or rented? Owned Rented* *If rented, expiration date of lease 10/1/2022				
2. Are you renewing a storage permit, additional optional premises, sidewalk service area, or related facility? If yes, please see the table in upper right hand corner and include all fees due. Yes (No)				
3a. Since the date of filing of the last application, has the applicant, including its manager, partners, officer, directors, stockholders, members (LLC), managing members (LLC), or any other person with a 10% or greater financial interest in the applicant, been found in final order of a tax agency to be delinquent in the payment of any state or local taxes, penalties, or interest related to a business? Yes (No)				
3b. Since the date of filing of the last application, has the applicant, including its manager, partners, officer, directors, stockholders, members (LLC), managing members (LLC), or any other person with a 10% or greater financial interest in the applicant failed to pay any fees or surcharges imposed pursuant to section 44-3-503, C.R.S.? Yes (No)				
4. Since the date of filing of the last application, has there been any change in financial interest (new notes, loans, owners, etc.) or organizational structure (addition or deletion of officers, directors, managing members or general partners)? If yes, explain in detail and attach a listing of all liquor businesses in which these new lenders, owners (other than licensed financial institutions), officers, directors, managing members, or general partners are materially interested. Yes (No)				
5. Since the date of filing of the last application, has the applicant or any of its agents, owners, managers, partners or lenders (other than licensed financial institutions) been convicted of a crime? If yes, attach a detailed explanation. Yes (No)				
6. Since the date of filing of the last application, has the applicant or any of its agents, owners, managers, partners or lenders (other than licensed financial institutions) been denied an alcohol beverage license, had an alcohol beverage license suspended or revoked, or had interest in any entity that had an alcohol beverage license denied, suspended or revoked? If yes, attach a detailed explanation. Yes (No)				
7. Does the applicant or any of its agents, owners, managers, partners or lenders (other than licensed financial institutions) have a direct or indirect interest in any other Colorado liquor license, including loans to or from any licensee or interest in a loan to any licensee? If yes, attach a detailed explanation. Yes (No)				

Affirmation & Consent

I declare under penalty of perjury in the second degree that this application and all attachments are true, correct and complete to the best of my knowledge.

Type or Print Name of Applicant/Authorized Agent of Business

Title	Author	Year	Journal	Volume	Page
1. The Effect of the 1997 Asian Crisis on the U.S. Economy	John H. Coatsworth	1998	Journal of International Economics	50	1-15
2. The Impact of the 1997 Asian Crisis on the U.S. Economy	John H. Coatsworth	1998	Journal of International Economics	50	16-30
3. The Effect of the 1997 Asian Crisis on the U.S. Economy	John H. Coatsworth	1998	Journal of International Economics	50	31-45
4. The Impact of the 1997 Asian Crisis on the U.S. Economy	John H. Coatsworth	1998	Journal of International Economics	50	46-60
5. The Effect of the 1997 Asian Crisis on the U.S. Economy	John H. Coatsworth	1998	Journal of International Economics	50	61-75
6. The Impact of the 1997 Asian Crisis on the U.S. Economy	John H. Coatsworth	1998	Journal of International Economics	50	76-90
7. The Effect of the 1997 Asian Crisis on the U.S. Economy	John H. Coatsworth	1998	Journal of International Economics	50	91-105
8. The Impact of the 1997 Asian Crisis on the U.S. Economy	John H. Coatsworth	1998	Journal of International Economics	50	106-120
9. The Effect of the 1997 Asian Crisis on the U.S. Economy	John H. Coatsworth	1998	Journal of International Economics	50	121-135
10. The Impact of the 1997 Asian Crisis on the U.S. Economy	John H. Coatsworth	1998	Journal of International Economics	50	136-150

President

Signature

Date _____

X 3/5/21

Report & Approval of City or County Licensing Authority

The foregoing application has been examined and the premises, business conducted and character of the applicant are satisfactory, and we do hereby report that such license, if granted, will comply with the provisions of Title 44, Articles 4 and 3, C.R.S., and Liquor Rules.

Therefore this application is approved.

Local Licensing Authority For

Date	
------	--

Signature

Title

Attest	
--------	--

Tax Check Authorization, Waiver, and Request to Release Information

I, BING LIU am signing this Tax Check Authorization, Waiver and Request to Release Information (hereinafter "Waiver") on behalf of Thai Chili Bistro, INC. (the "Applicant/Licensee") to permit the Colorado Department of Revenue and any other state or local taxing authority to release information and documentation that may otherwise be confidential, as provided below. If I am signing this Waiver for someone other than myself, including on behalf of a business entity, I certify that I have the authority to execute this Waiver on behalf of the Applicant/Licensee.

The Executive Director of the Colorado Department of Revenue is the State Licensing Authority, and oversees the Colorado Liquor Enforcement Division as his or her agents, clerks, and employees. The information and documentation obtained pursuant to this Waiver may be used in connection with the Applicant/Licensee's liquor license application and ongoing licensure by the state and local licensing authorities. The Colorado Liquor Code, section 44-3-101, et seq. ("Liquor Code"), and the Colorado Liquor Rules, 1 CCR 203-2 ("Liquor Rules"), require compliance with certain tax obligations, and set forth the investigative, disciplinary and licensure actions the state and local licensing authorities may take for violations of the Liquor Code and Liquor Rules, including failure to meet tax reporting and payment obligations.

The Waiver is made pursuant to section 39-21-113(4), C.R.S., and any other law, regulation, resolution or ordinance concerning the confidentiality of tax information, or any document, report or return filed in connection with state or local taxes. This Waiver shall be valid until the expiration or revocation of a license, or until both the state and local licensing authorities take final action to approve or deny any application(s) for the renewal of the license, whichever is later. Applicant/Licensee agrees to execute a new waiver for each subsequent licensing period in connection with the renewal of any license, if requested.

By signing below, Applicant/Licensee requests that the Colorado Department of Revenue and any other state or local taxing authority or agency in the possession of tax documents or information, release information and documentation to the Colorado Liquor Enforcement Division, and is duly authorized employees, to act as the Applicant's/Licensee's duly authorized representative under section 39-21-113(4), C.R.S., solely to allow the state and local licensing authorities, and their duly authorized employees, to investigate compliance with the Liquor Code and Liquor Rules. Applicant/Licensee authorizes the state and local licensing authorities, their duly authorized employees, and their legal representatives, to use the information and documentation obtained using this Waiver in any administrative or judicial action regarding the application or license.

Name (Individual/Business) <u>BING LIU</u>		Social Security Number/Tax Identification Number /	
Address <u>357 Columbine Dr</u>			
City <u>Rifle</u>		State <u>CO</u>	Zip <u>81650</u>
Home Phone Number <u>626-232-2610</u>		Business/Work Phone Number <u>970-625-8888</u>	
Printed name of person signing on behalf of the Applicant/Licensee <u>BING LIU</u>			
Applicant/Licensee's Signature (Signature authorizing the disclosure of confidential tax information) <u>X Bing Liu</u>			Date signed <u>X 3/5/21</u>
Privacy Act Statement Providing your Social Security Number is voluntary and no right, benefit or privilege provided by law will be denied as a result of refusal to disclose it. § 7 of Privacy Act, 5 USCS § 552a (note).			



Agenda Item #4.d.

Agenda Item Name:

Consider Liquor License Renewal for Kum & Go, LC dba Kum & Go #921

Presenter:

Kristy Doll, CMC, City Clerk

Item Description:

Fermented Malt Beverage Liquor License Renewal for Kum & Go, LC dba Kum & Go #921

Recommended Action:

I move to approve the Liquor License Renewal application for Kum & Go, LC dba Kum & Go #921

Fiscal Impact:

None

Operational Impact:

None

Prior Board Motions:

None

Background Information:

Kum & Go, LC dba Kum & Go #921 located at 120 East 1st Street, Rifle, CO has submitted a Fermented Malt Beverage Liquor License Renewal Application.

The application is complete and the appropriate fees have been paid.

Executive Summary:

None

Notification Requirements:

None

Prepared By:

Misty Williams, Administrative Assistant

Attachments:

1. Kum & Go #921 Liquor License Renewal_Redacted

Submit to Local Licensing Authority

Fees Due		
Renewal Fee		
Storage Permit	\$100 X _____	\$
Sidewalk Service Area	\$75.00	\$
Additional Optional Premise Hotel & Restaurant	\$100 X _____	\$
Related Facility - Campus Liquor Complex	\$160.00 per facility	\$
Amount Due/Paid		\$

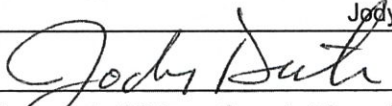
Make check payable to: Colorado Department of Revenue. The State may convert your check to a one-time electronic banking transaction. Your bank account may be debited as early as the same day received by the State. If converted, your check will not be returned. If your check is rejected due to insufficient or uncollected funds, the Department may collect the payment amount directly from your banking account electronically.

Retail Liquor or Fermented Malt Beverage License Renewal Application

Please verify & update all information below

Return to city or county licensing authority by due date

Licensee Name Kum & Go LC			Doing Business As Name (DBA) Kum & Go # 0921		
Liquor License # 12404240013	License Type Fermented Malt Beverage	Sales Tax License # 12404240013	Expiration Date 4.18.2021	Due Date 3.8.2021	
Business Address 120 E 1st Street Rifle, CO 81650				Phone Number (970) 404-0724	
Mailing Address 1459 Grand Ave Des Moines, IA			Email licenses@kumandgo.com		
Operating Manager	Date of Birth	Home Address	Phone Number		
1. Do you have legal possession of the premises at the street address above? ☒ Yes ☐ No Are the premises owned or rented? ☐ Owned ☒ Rented* *If rented, expiration date of lease 02/20/2033					
2. Are you renewing a storage permit, additional optional premises, sidewalk service area, or related facility? If yes, please see the table in upper right hand corner and include all fees due. ☐ Yes ☒ No					
3a. Since the date of filing of the last application, has the applicant, including its manager, partners, officer, directors, stockholders, members (LLC), managing members (LLC), or any other person with a 10% or greater financial interest in the applicant, been found in final order of a tax agency to be delinquent in the payment of any state or local taxes, penalties, or interest related to a business? ☐ Yes ☒ No					
3b. Since the date of filing of the last application, has the applicant, including its manager, partners, officer, directors, stockholders, members (LLC), managing members (LLC), or any other person with a 10% or greater financial interest in the applicant failed to pay any fees or surcharges imposed pursuant to section 44-3-503, C.R.S.? ☐ Yes ☒ No					
4. Since the date of filing of the last application, has there been any change in financial interest (new notes, loans, owners, etc.) or organizational structure (addition or deletion of officers, directors, managing members or general partners)? If yes, explain in detail and attach a listing of all liquor businesses in which these new lenders, owners (other than licensed financial institutions), officers, directors, managing members, or general partners are materially interested. ☐ Yes ☒ No					
5. Since the date of filing of the last application, has the applicant or any of its agents, owners, managers, partners or lenders (other than licensed financial institutions) been convicted of a crime? If yes, attach a detailed explanation. ☐ Yes ☒ No					
6. Since the date of filing of the last application, has the applicant or any of its agents, owners, managers, partners or lenders (other than licensed financial institutions) been denied an alcohol beverage license, had an alcohol beverage license suspended or revoked, or had interest in any entity that had an alcohol beverage license denied, suspended or revoked? If yes, attach a detailed explanation. ☒ Yes ☐ No Attachment 2					
7. Does the applicant or any of its agents, owners, managers, partners or lenders (other than licensed financial institutions) have a direct or indirect interest in any other Colorado liquor license, including loans to or from any licensee or interest in a loan to any licensee? If yes, attach a detailed explanation. ☒ Yes ☐ No Attachment 1					

Affirmation & Consent		
I declare under penalty of perjury in the second degree that this application and all attachments are true, correct and complete to the best of my knowledge.		
Type or Print Name of Applicant/Authorized Agent of Business Jody Deiter		Title Licensing Specialist
Signature 		Date 3.4.2021
Report & Approval of City or County Licensing Authority		
The foregoing application has been examined and the premises, business conducted and character of the applicant are satisfactory, and we do hereby report that such license, if granted, will comply with the provisions of Title 44, Articles 4 and 3, C.R.S., and Liquor Rules.		
Therefore this application is approved.		
Local Licensing Authority For		Date
Signature	Title	Attest

Tax Check Authorization, Waiver, and Request to Release Information

I, Jody Deiter am signing this Tax Check Authorization, Waiver and Request to Release Information (hereinafter "Waiver") on behalf of Kum # 670 LC (the "Applicant/Licensee") to permit the Colorado Department of Revenue and any other state or local taxing authority to release information and documentation that may otherwise be confidential, as provided below. If I am signing this Waiver for someone other than myself, including on behalf of a business entity, I certify that I have the authority to execute this Waiver on behalf of the Applicant/Licensee.

The Executive Director of the Colorado Department of Revenue is the State Licensing Authority, and oversees the Colorado Liquor Enforcement Division as his or her agents, clerks, and employees. The information and documentation obtained pursuant to this Waiver may be used in connection with the Applicant/Licensee's liquor license application and ongoing licensure by the state and local licensing authorities. The Colorado Liquor Code, section 44-3-101, et seq. ("Liquor Code"), and the Colorado Liquor Rules, 1 CCR 203-2 ("Liquor Rules"), require compliance with certain tax obligations, and set forth the investigative, disciplinary and licensure actions the state and local licensing authorities may take for violations of the Liquor Code and Liquor Rules, including failure to meet tax reporting and payment obligations.

The Waiver is made pursuant to section 39-21-113(4), C.R.S., and any other law, regulation, resolution or ordinance concerning the confidentiality of tax information, or any document, report or return filed in connection with state or local taxes. This Waiver shall be valid until the expiration or revocation of a license, or until both the state and local licensing authorities take final action to approve or deny any application(s) for the renewal of the license, whichever is later. Applicant/Licensee agrees to execute a new waiver for each subsequent licensing period in connection with the renewal of any license, if requested.

By signing below, Applicant/Licensee requests that the Colorado Department of Revenue and any other state or local taxing authority or agency in the possession of tax documents or information, release information and documentation to the Colorado Liquor Enforcement Division, and is duly authorized employees, to act as the Applicant's/Licensee's duly authorized representative under section 39-21-113(4), C.R.S., solely to allow the state and local licensing authorities, and their duly authorized employees, to investigate compliance with the Liquor Code and Liquor Rules. Applicant/Licensee authorizes the state and local licensing authorities, their duly authorized employees, and their legal representatives, to use the information and documentation obtained using this Waiver in any administrative or judicial action regarding the application or license.

Name (Individual/Business) <u>Kum # 670 # 921</u>		Social Security Number/Tax Identification Number <u></u>	
Address <u>120 E 6th Street</u>			
City <u>Rifle</u>		State <u>CO</u>	Zip <u>81650</u>
Home Phone Number <u>515-457-6249</u>		Business/Work Phone Number <u>970-404-6724</u>	
Printed name of person signing on behalf of the Applicant/Licensee <u>Jody Deiter</u>			
Applicant/Licensee's Signature (Signature authorizing the disclosure of confidential tax information) <u>Jody Deiter</u>			Date signed <u>3.4.2021</u>

Privacy Act Statement

Providing your Social Security Number is voluntary and no right, benefit or privilege provided by law will be denied as a result of refusal to disclose it. § 7 of Privacy Act, 5 USCS § 552a (note).



Agenda Item #4.e.

Agenda Item Name:

Consider Liquor License Renewal for Kum & Go, LC dba Kum & Go #4923

Presenter:

Kristy Doll, CMC, City Clerk

Item Description:

Fermented Malt Beverage Liquor License Renewal for Kum & Go, LC dba Kum & Go #4923

Recommended Action:

I move to approve the Liquor License Renewal application for Kum & Go, LC dba Kum & Go #4923

Fiscal Impact:

None

Operational Impact:

None

Prior Board Motions:

None

Background Information:

Kum & Go, LC dba Kum & Go #4923 located at 705 Taughenbaugh Blvd, Rifle, CO has submitted a Fermented Malt Beverage Liquor License Renewal Application.

The application is complete and the appropriate fees have been paid.

Executive Summary:

None

Notification Requirements:

None

Prepared By:

Misty Williams, Administrative Assistant

Attachments:

1. Kum & Go #4923 Liquor License Renewal_Redacted

KUM & GO #4923
1459 GRAND AVE
Des Moines IA 50309

RECEIVED

MAR 16 2021

City Clerk
City of Rifle

Fees Due	
Renewal Fee	96.25
Storage Permit \$100 X _____	\$
Sidewalk Service Area \$75.00	\$
Additional Optional Premise Hotel & Restaurant \$100 X _____	\$
Related Facility - Campus Liquor Complex \$160.00 per facility	\$
Amount Due/Paid	\$

Make check payable to: Colorado Department of Revenue. The State may convert your check to a one-time electronic banking transaction. Your bank account may be debited as early as the same day received by the State. If converted, your check will not be returned. If your check is rejected due to insufficient or uncollected funds, the Department may collect the payment amount directly from your banking account electronically.

Retail Liquor or Fermented Malt Beverage License Renewal Application

Please verify & update all information below

Return to city or county licensing authority by due date

Licensee Name KUM & GO LC		Doing Business As Name (DBA) KUM & GO #4923		
Liquor License # 12-40424-0038	License Type Fermented Malt	Sales Tax License # 12404240038	Expiration Date 05/18/2021	Due Date 04/03/2021
Business Address 705 TAUGHENBAUGH BLVD Rifle CO 81650-2721				Phone Number 9706255062
Mailing Address 1459 GRAND AVE Des Moines IA 50309			Email <i>licenses@kumandgo.com</i>	
Operating Manager <i>Cherri Holtz</i>	Date of Birth	Home Address	Phone Number	
1. Do you have legal possession of the premises at the street address above? ☒ Yes ☐ No Are the premises owned or rented? ☐ Owned ☒ Rented* *If rented, expiration date of lease <u>11-14-33</u>				
2. Are you renewing a storage permit, additional optional premises, sidewalk service area, or related facility? If yes, please see the table in upper right hand corner and include all fees due. ☐ Yes ☒ No				
3a. Since the date of filing of the last application, has the applicant, including its manager, partners, officer, directors, stockholders, members (LLC), managing members (LLC), or any other person with a 10% or greater financial interest in the applicant, been found in final order of a tax agency to be delinquent in the payment of any state or local taxes, penalties, or interest related to a business? ☐ Yes ☒ No				
3b. Since the date of filing of the last application, has the applicant, including its manager, partners, officer, directors, stockholders, members (LLC), managing members (LLC), or any other person with a 10% or greater financial interest in the applicant failed to pay any fees or surcharges imposed pursuant to section 44-3-503, C.R.S.? ☐ Yes ☒ No				
4. Since the date of filing of the last application, has there been any change in financial interest (new notes, loans, owners, etc.) or organizational structure (addition or deletion of officers, directors, managing members or general partners)? If yes, explain in detail and attach a listing of all liquor businesses in which these new lenders, owners (other than licensed financial institutions), officers, directors, managing members, or general partners are materially interested. ☐ Yes ☒ No <i>See Attached</i>				
5. Since the date of filing of the last application, has the applicant or any of its agents, owners, managers, partners or lenders (other than licensed financial institutions) been convicted of a crime? If yes, attach a detailed explanation. ☐ Yes ☒ No				
6. Since the date of filing of the last application, has the applicant or any of its agents, owners, managers, partners or lenders (other than licensed financial institutions) been denied an alcohol beverage license, had an alcohol beverage license suspended or revoked, or had interest in any entity that had an alcohol beverage license denied, suspended or revoked? If yes, attach a detailed explanation. ☐ Yes ☒ No				
7. Does the applicant or any of its agents, owners, managers, partners or lenders (other than licensed financial institutions) have a direct or indirect interest in any other Colorado liquor license, including loans to or from any licensee or interest in a loan to any licensee? If yes, attach a detailed explanation. ☒ Yes ☐ No <i>See Attached</i>				

Affirmation & Consent

I declare under penalty of perjury in the second degree that this application and all attachments are true, correct and complete to the best of my knowledge.

Type or Print Name of Applicant/Authorized Agent of Business	Title
Barb Harsch	Risk manager
Signature	Date
Barb Harsch	3-5-21

Report & Approval of City or County Licensing Authority

The foregoing application has been examined and the premises, business conducted and character of the applicant are satisfactory, and we do hereby report that such license, if granted, will comply with the provisions of Title 44, Articles 4 and 3, C.R.S., and Liquor Rules.

Therefore this application is approved.

Local Licensing Authority For	Date
Signature	Title
	Attest

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☐	☐	☐	☐	☐	☐

Tax Check Authorization, Waiver, and Request to Release Information

I, Barb Hirsch am signing this Tax Check Authorization, Waiver and Request to Release Information (hereinafter "Waiver") on behalf of Kum + Go #4923 (the "Applicant/Licensee") to permit the Colorado Department of Revenue and any other state or local taxing authority to release information and documentation that may otherwise be confidential, as provided below. If I am signing this Waiver for someone other than myself, including on behalf of a business entity, I certify that I have the authority to execute this Waiver on behalf of the Applicant/Licensee.

The Executive Director of the Colorado Department of Revenue is the State Licensing Authority, and oversees the Colorado Liquor Enforcement Division as his or her agents, clerks, and employees. The information and documentation obtained pursuant to this Waiver may be used in connection with the Applicant/Licensee's liquor license application and ongoing licensure by the state and local licensing authorities. The Colorado Liquor Code, section 44-3-101. et seq. ("Liquor Code"), and the Colorado Liquor Rules, 1 CCR 203-2 ("Liquor Rules"), require compliance with certain tax obligations, and set forth the investigative, disciplinary and licensure actions the state and local licensing authorities may take for violations of the Liquor Code and Liquor Rules, including failure to meet tax reporting and payment obligations.

The Waiver is made pursuant to section 39-21-113(4), C.R.S., and any other law, regulation, resolution or ordinance concerning the confidentiality of tax information, or any document, report or return filed in connection with state or local taxes. This Waiver shall be valid until the expiration or revocation of a license, or until both the state and local licensing authorities take final action to approve or deny any application(s) for the renewal of the license, whichever is later. Applicant/Licensee agrees to execute a new waiver for each subsequent licensing period in connection with the renewal of any license, if requested.

By signing below, Applicant/Licensee requests that the Colorado Department of Revenue and any other state or local taxing authority or agency in the possession of tax documents or information, release information and documentation to the Colorado Liquor Enforcement Division, and is duly authorized employees, to act as the Applicant's/Licensee's duly authorized representative under section 39-21-113(4), C.R.S., solely to allow the state and local licensing authorities, and their duly authorized employees, to investigate compliance with the Liquor Code and Liquor Rules. Applicant/Licensee authorizes the state and local licensing authorities, their duly authorized employees, and their legal representatives, to use the information and documentation obtained using this Waiver in any administrative or judicial action regarding the application or license.

Name (Individual/Business) <u>Kum + Go #4923</u>		Social Security Number/Tax Identification Number	
Address <u>705 Taughenbargh Blvd</u>			
City <u>Rifle</u>		State <u>CO</u>	Zip <u>81650</u>
Home Phone Number <u>970-625-5045</u>		Business/Work Phone Number <u>515-457-6249</u>	
Printed name of person signing on behalf of the Applicant/Licensee <u>Barb Hirsch</u>			
Applicant/Licensee's Signature (Signature authorizing the disclosure of confidential tax information) <u>Barb Hirsch</u>			Date signed <u>3-5-21</u>

Privacy Act Statement

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Agenda Item #4.f.

Agenda Item Name:

Consider 2021 Intergovernmental Agreement for Mosquito Control with Garfield County

Presenter:

Item Description:

Mosquito Control Services for 2021

Recommended Action:

Approve Intergovernmental Agreement for Mosquito Control and authorize payment to Garfield County for joint mosquito control services for 2021 in the amount of \$20,300.00.

Fiscal Impact:

\$23,000.00 is budgeted for this service for 2021

Operational Impact:

None

Prior Board Motions:

This program has received support with an annual expenditure since West Nile Virus in 2001.

Background Information:

This is a cooperative effort with Garfield County and County municipalities. The program began in 2001 with the spread of West Nile Virus. The vendor for the program is selected through the Garfield County purchasing process every three years, with participation of municipality representatives. This program focuses on monitoring and reducing disease vectors (mosquitoes). Numbers of mosquitoes are monitored for nuisance levels, and in particular, the number of Culex Tarsalis mosquitoes are watched closely, as they are the primary carriers of WNV. Depending on disease prevalence, some mosquitoes may be tested for to determine if they are infected.

Occasional ultra-low-volume spraying is required along West 2nd and at the rest area, and is supported, if not requested, by residents in these areas. Special event related barrier treatments have been conducted around the fairgrounds and Centennial Park. These operations are included in the program. Also, the vendor has resources to do wide-spread aerial spraying, at an additional cost, if necessary.

Rifle's share of the cost is greater than that of other towns because Rifle has greater square miles in City limits. (5.61 approx)

This is specifically budgeted for 2021 in
"Other Technical Svcs", 100-4800-400-342 for \$23,000.00.

This is a health, safety, and quality-of-life related item. The work group related to this has been activated to oversee vector disease control during West Nile virus and Hanta virus, and can be activated if Western Equine Encephalitis and St. Louis Encephalitis outbreaks or occur.

Executive Summary:

None

Notification Requirements:

None

Prepared By:

Tom Whitmore, Parks & Recreation Director

Attachments:

1. 2021 IGA Mosquitos
2. Mosquito Control Purchase Request

INTERGOVERNMENTAL AGREEMENT FOR MOSQUITO CONTROL - 2021

THE PARTIES to this Intergovernmental Agreement for Mosquito Control ("IGA") are the **BOARD OF COUNTY COMMISSIONERS OF GARFIELD COUNTY, STATE OF COLORADO**, (hereinafter referred to as "County"); the **CITY OF GLENWOOD SPRINGS, STATE OF COLORADO**, (hereinafter referred to as "Glenwood"); the **TOWN OF CARBONDALE, STATE OF COLORADO**, (hereinafter referred to as "Carbondale"); the **CITY OF RIFLE, STATE OF COLORADO**, (hereinafter referred to as "Rifle"); the **TOWN OF SILT, STATE OF COLORADO**, (hereinafter referred to as "Silt"); the **TOWN OF NEW CASTLE, STATE OF COLORADO**, (hereinafter referred to as "New Castle"); and the **TOWN OF PARACHUTE, STATE OF COLORADO**, (hereinafter referred to as "Parachute").

WHEREAS, the parties to this IGA are authorized by Section 29-1-201, *et seq.*, C.R.S., as amended, to provide for joint funding and cooperation to provide services and functions which each is otherwise lawfully authorized to provide; and

WHEREAS, the parties to this IGA desire to cooperate in funding and making available a County-wide mosquito control and education program; and

WHEREAS, a coordinated effort by the County and the municipalities within the County will permit a more effective mosquito control and education program and specifically will aid control of the mosquito species responsible for the spread of West Nile Virus.

NOW, THEREFORE, in mutual consideration of the premises and the covenants and promises set forth below, the parties to this IGA agree as follows:

1. PROJECT. The Project that is the subject of this IGA is a comprehensive integrated larval and adult mosquito control program, on public and private property throughout Garfield County that will be designed specifically for Garfield County and the municipalities by an independent contractor. The Project will provide surveillance, identifying mosquito breeding habitats and areas with high numbers of mosquito larvae and adults, with an emphasis on Culex mosquitoes. Surveillance will include the use of GIS mapping technology. The Project will include the use of chemical pesticides for adult and larval mosquito control in a manner safe to citizens, the environment and pets. Chemical applications will only be done when the elected officials of each pertinent jurisdiction, or their designated staff member, determine that mosquito levels have reached a threshold that poses a public health risk. Each jurisdiction is responsible for working with the Contractor to

ensure that their jurisdiction is in compliance with the Federal Clean Water Act and the Colorado Discharge Permit System as administered by the Colorado Department of Public Health and Environment. The independent contractor will also provide community outreach and public education.

2. PROJECT COSTS. The cost for the entire Project that is the subject of this IGA shall not exceed One Hundred Eighty-Six Thousand Five Hundred Fifty Dollars and No Cents (\$186,550.00), with each town and city contributing the amounts set forth below for a total contribution of Fifty-Four Thousand Three Hundred Twenty-Five Dollars and No Cents (\$54,325.00) of the Project Cost. The remainder will be contributed by the County for the twenty-nine (29) square miles of service area outside of the municipalities.

3. COUNTY RESPONSIBILITIES. The County shall be the coordinating entity and the contracting and fiscal authority for the Project. The County's responsibilities shall include the creation of the Request For Proposals ("RFP"), management of the RFP process, selection of the contractor and management of the contract. The County shall pay an amount not to exceed One Hundred Thirty-Two Thousand Two Hundred Twenty-Five Dollars and No Cents (\$132,225.00) of the total Project Cost of One Hundred Eighty-Six Thousand Five Hundred Fifty Dollars and No Cents (\$186,550.00), unless emergency services are required.

4. GLENWOOD SPRINGS RESPONSIBILITIES. Glenwood Springs shall be responsible for payment to the County of \$5,650.00.

5. CARBONDALE RESPONSIBILITIES: Carbondale shall be responsible for payment to the County of \$7,450.00.

6. RIFLE RESPONSIBILITIES: Rifle's proportionate share is \$20,300.00.

7. SILT RESPONSIBILITIES: Silt shall be responsible for payment to the County of \$5,450.00.

8. NEW CASTLE RESPONSIBILITIES: New Castle shall be responsible for payment to the County of \$6,150.00.

9. PARACHUTE RESPONSIBILITIES: Parachute shall be responsible for payment to the County of \$9,325.00.

10. PARTY RESPONSIBILITIES: All parties to this IGA shall cooperate with and assist the independent contractor chosen by the County to perform the work of the Project.

11. REMEDIES. If any of the cities or towns, identified in Paragraphs 4 through 9 above, fails to perform their payment obligation(s), the County may assume responsibility for the defaulting payment(s), and all other obligations of this IGA shall remain in full force and effect.

12. CONTRACT AWARD. The contract anticipated to define the Scope of Work needed for the Project shall be awarded by Garfield County pursuant to the terms of its Procurement Manual. The Notice to Proceed may be awarded prior to the payment obligations of the municipalities and towns being met.

13. INDEMNIFICATION. The parties acknowledge each is subject to the constitutional prohibitions against indemnification in Colo. Const. art XI, § 1. Neither can indemnify the other.

Nothing herein shall be interpreted as a waiver of governmental immunity to which each party would otherwise be entitled under Section 24-10-101, et seq., C.R.S., as amended.

14. APPROPRIATION. This IGA is contingent upon appropriation and budgeting for the costs required for the Project. Should any party fail to appropriate or have available sufficient funds to pay for the costs of its obligations set forth herein, this IGA shall be considered of no force or effect, except to the extent that the County has assumed the obligations of another party, as set forth herein. This IGA is not intended to, nor does it create a multi-year fiscal obligation as defined by Section 20, Article X of the Constitution of the State of Colorado.

15. EFFECTIVE DATE. This IGA shall be effective January 1, 2021 through December 31, 2021, no matter the date of execution.

16. AMENDMENT. This IGA may be amended by the parties solely through a written agreement signed by each.

17. FACSIMILES AND COUNTERPARTS. This IGA may be signed in counterparts, and facsimile signatures may be substituted for original signatures.

18. GOVERNING LAW. The laws of the State of Colorado shall govern the validity, performance and enforcement of this IGA. Venue for any action instituted pursuant to this IGA shall lie in Garfield County, Colorado.

19. AUTHORITY. Each person signing this IGA represents and warrants that said person is fully authorized to enter into

and execute this IGA and to bind the party represented to the terms and conditions hereof.

20. NOTICE. All notices required under this IGA shall be in writing and shall be hand delivered or sent by registered or certified mail, return receipt requested, postage prepaid to the addresses of the parties set forth below. Notice addresses may be changed without amendment to this IGA.

Notice to County: Board of County Commissioners
Attn: County Manager
108 8th Street, Suite 213
Glenwood Springs, CO 81601
Phone: (970) 945-9150
Fax: (970) 384-5005

Notice to Glenwood: City of Glenwood Springs
Attn: City Manager
101 W. 8th St.
Glenwood Springs, CO 81601
Phone: 384-6400

Notice to Carbondale: Town of Carbondale
Attn: Town Manager
511 Colorado Avenue
Carbondale, CO 81623
Phone: (970) 963-2733
Fax: (970) 963-9140

Notice to Rifle: City of Rifle
Attn: City Manager
202 Railroad Avenue
P.O. Box 1908
Rifle, CO 81650
Phone: (970) 625-2121

Notice to Silt: Town of Silt
Attn: Town Administrator
231 N. 7th St., Box 70
Silt, CO 81652
Phone: (970) 876-2353

Notice to New Castle: Town of New Castle
Attn: Town Administrator
450 W. Main
P.O. Box 90
New Castle, CO 81647
Phone: (970) 984-2311

Notice to Parachute: Town of Parachute
Attn: Town Administrator
222 Grand Valley Way
Box 100
Parachute, CO 81635
Phone: (970) 285-7630

ATTEST:

**BOARD OF COUNTY COMMISSIONERS
OF GARFIELD COUNTY, COLORADO**

Clerk to the Board

By: _____
Chairman

Dated: _____

ATTEST:

**CITY OF GLENWOOD SPRINGS,
STATE OF COLORADO**

City Clerk

By: _____
Mayor

Dated: _____

ATTEST:

**TOWN OF CARBONDALE
STATE OF COLORADO**

Town Clerk

By: _____
Mayor

Dated: _____

ATTEST:

City Clerk

**CITY OF RIFLE
STATE OF COLORADO**

By: _____
Mayor

Dated: _____

ATTEST:

Town Clerk

**TOWN OF SILT
STATE OF COLORADO**

By: _____
Mayor

Dated: _____

ATTEST:

Town Clerk

**TOWN OF NEW CASTLE
STATE OF COLORADO**

By: _____
Mayor

Dated: _____

ATTEST:

Town Clerk

**TOWN OF PARACHUTE
STATE OF COLORADO**

By: _____
Mayor

Dated: _____



**CITY OF RIFLE
PURCHASE REQUEST**

1.	Vendor Name	NEW: W-9 attached ☐
	Garfield County	

2.	Vendor Address
	108 8th Street, Ste. 213
	Glenwood Springs, CO 81601

3.	For the Purchase of (description)
	Annual Mosquito Control Program Participation

4. Amount Requested	Amount Budgeted	Finance Director Verified Funds Avail.
\$20,300.00	\$23,000.00	<i>M. Senan</i>

5. Dept. Name	General Ledger Acct #
Other Tech. Svcs.	100-4800-400-342

6.	Type of Purchase
	Capital Construction
	Capital Construction – Change Order
	Capital Equipment
	Plant Equipment
X	Materials, supplies, non-profession/technical services (includes computer/software maint.)
	Professional Services
	Utilities (includes equipment installation)
	Land, easements, ROW

7.	Purchasing Process Required
	Cooperative Purchasing
	Open Market
	Comparative Pricing
	Request for Proposal (attach bid tab)
	Formal Bid (attach bid tab and advertisement)
X	Single Source (attach an explanation) Garfield County Manages this program. Garfield County Purchasing process is used.

8.	Authorization Required
	City Manager
X	City Council April 7, 2021 City Council Meeting

9.	Signatures		
	Position	Signature	Date
	Department Director	<i>Tom Whitmore</i>	4/07/2021
	City Manager	<i>Shawn A. Hahn</i>	4/07/2021
	City Council Approval (meeting date)		4/07/2021

10.	Purchase Order # assigned by Finance	
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Agenda Item #6.a.

Agenda Item Name:

Receive an Update on Downtown Project

Presenter:

Tracy Truelove

Item Description:

Receive an update on Downtown Project

Recommended Action:

No Action Required

Fiscal Impact:

None

Operational Impact:

None

Prior Board Motions:

None

Background Information:

The current downtown project has a Public Information Manager, Tracy Truelove. This presentation will be an opportunity to provide updates on the project from the project team.

Executive Summary:

None

Notification Requirements:

None

Prepared By:

Craig Spaulding, Civil Engineer

Attachments:

1. Rifle City Council Presentation_Downtown project_4.7.2021



Railroad Ave

Railroad Ave. & Third St. Improvement Project



Project Progress:

- Crews have completed waterline installation at the corner of 3rd & West Street. Plan for the week of March 29-April 2 was to have waterline on west 3rd complete.
- Work at the Post Office to underground utilities has completed and traffic pattern is returned to regular configuration.
- Temporary surface in place at PO location until asphalt is scheduled.
- Coordinating Xcel energy gas line work community public as needed.



Upcoming Work:

- DDA parking lot will be paved when asphalt becomes available.
- With waterline completion curb, gutter and sidewalk restoration begins on west 3rd St.
- Team will coordinate schedule for this work closely with impacted businesses.
- Demolition and waterline work will progress over to east 3rd St.
- Ongoing undergrounding of utilities will continue into May.
- While ongoing work is being accomplished on east 3rd St. the project team will begin prepping work on Railroad Ave.

Communications Toolkit:

Railroad Avenue and Third Street Improvements

Construction Update

Week of March 22-26

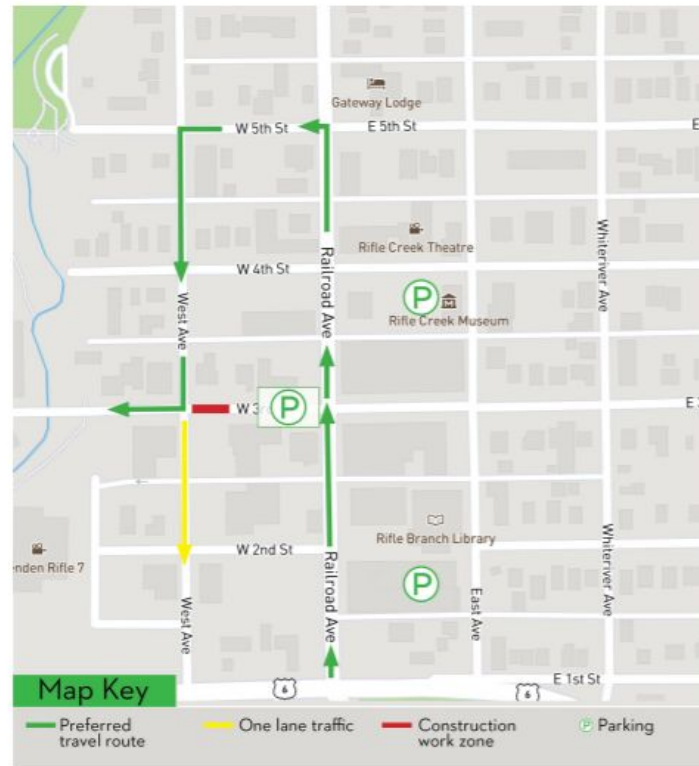
- Beginning Monday, March 22 West Ave. will be one lane from Monday through Thursday next week.
- The project team will continue work on 3rd Ave and West Avenue for installation of the new waterline.
- Please follow detour signs and traffic control. As a reminder, preferred detours are West Avenue and Whiteriver Avenue. When entering or leaving the detour and going back to Railroad Avenue please use Centennial Parkway or 5th Street signalized intersections. Second St and 4th St. do not have traffic signals and may result in longer wait times.
- Business access is open just be sure to follow the designated pedestrian access as it is delineated in the work zone. Downtown parking and detours are shown in the map attached. This map and updates can be accessed at <https://www.rifleco.org/Construction>.

Due to failing drainage, accessibility issues and failing asphalt, the downtown area of Rifle is in need of rehabilitation. The final downtown design for Railroad Avenue and Third Street has added parking at the Rifle House DDA lot and the Post Office. Grading was adjusted to allow temporary outdoor dining where permitted and smaller more dispersed landscaping was used to add landscaping without sacrificing parking.

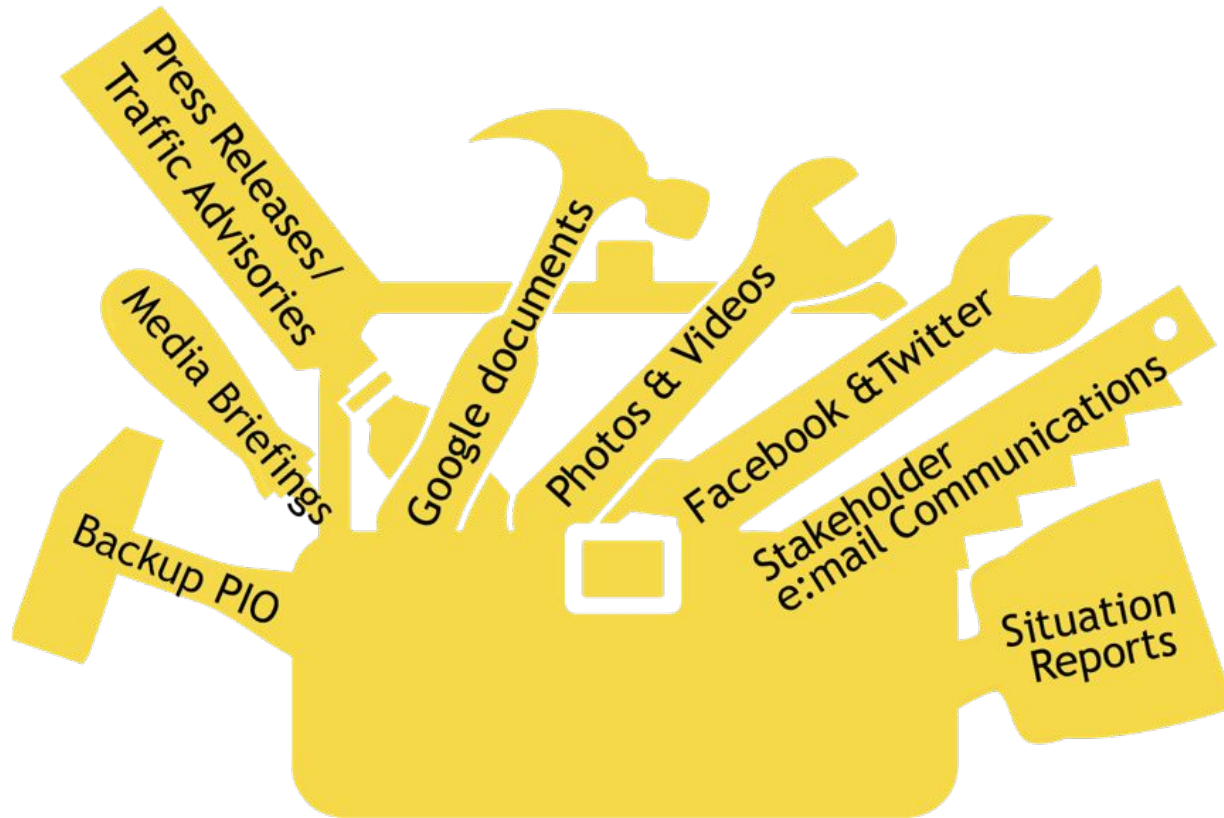
- Parking in front of restaurants can be used as dining/parklet/event space, but is parking when not being used which allows for seasonal dining and changes in business
- To eliminate water ponding at curbs, drainage slopes to road where reachable by snow plows
- Eliminating curbs make streets accessible along the entire block
- Smaller landscape areas on the south side allow for trees along the entire street without losing parking
- Current parking counts remain the same but only 5 spots are lost when outdoor dining is setup (currently the outdoor dining takes up 14 when all patios are setup)



For questions about the project you may text or call the project hotline # 970-987-7293. Information can also be found at <https://www.rifleco.org/Construction>. Follow us on Facebook and Twitter.



Communications Toolkit:



Know before you go

Railroad Ave

**Railroad Ave. & Third St.
Improvement Project**



Traffic Impacts

Railroad Ave

**Railroad Ave. & Third St.
Improvement Project**





Agenda Item #7.a.

Agenda Item Name:

Consider Reappointment of Dustin Marantino, Marc Caldwell, Helen Rogers and Treonna Villasenor to the Planning and Zoning Commission

Presenter:

Patrick Waller, Planning Director

Item Description:

Consider Reappointment of Dustin Marantino, Marc Caldwell, Helen Rogers and Treonna Villasenor to Planning Commission for four (4) year terms.

Recommended Action:

I move to reappoint Dustin Marantino, Marc Caldwell, Helen Rogers and Treonna Villasenor as Planning Commission Board Members for four (4) year terms.

Fiscal Impact:

None

Operational Impact:

None

Prior Board Motions:

None

Background Information:

The City of Rifle Planning Commission has four seats expiring April of 2021. Three current members of the Planning Commission, Dustin Marantino, Marc Caldwell, Helen Rogers and Treonna Villasenor, whose seats are expiring this year, have expressed the desire to continue serving on the Planning Commission. They have requested reappointment to the Planning Commission.

Their new term would begin April 2021 and run for four (4) years, ending in April of 2025.

Executive Summary:

None

Notification Requirements:

None

Prepared By:

Misty Williams, Administrative Assistant

Attachments:

None



Agenda Item #7.b.

Agenda Item Name:

Consider Recommendation to Construct Third Street in Concrete

Presenter:

Craig Spaulding, Civil Engineer

Brian Prunty, Public Works Director

Item Description:

Consider recommendation to construct Third Street in Concrete and provide second alternative of also constructing Railroad Avenue in concrete

Recommended Action:

Remain with asphalt and no Concrete: No action on workshop items

Third Street Only: Motion to increase the Third and Railroad concrete roadway quantities and reduce asphalt and road base quantities to construct Third Street out of concrete instead of asphalt for the amount not to exceed \$62,962.94.

Third Street and Railroad Avenue: Motion to increase the Third and Railroad concrete roadway quantities and reduce asphalt and road base quantities to construct Third Street and Railroad Ave out of concrete instead of asphalt for an amount not to exceed \$170,784.20.

Fiscal Impact:

Operational Impact:

Prior Board Motions:

None

Background Information:

Geotechnical analysis of the Third and Railroad area has been ongoing since 2016. The outcome of the analysis is attached, but included both asphalt and concrete road sections. Both sections are designed for the conditions that are presented in this area. During the design process it was decided to use an asphalt section because of its cost and its ability to be overlaid half way through the design life which makes the road look like new.

Both Martinez Western and Colorado Engineering are recommending that Third Street be paved in concrete instead of asphalt. This change would be an increase to the project cost of approximately \$60,000.

Colorado Engineering has outlined the benefits of concrete instead of asphalt but some of the most important to note are:

- 1.) Getting business frontage restored faster
- 2.) Reduced impact on existing foundations (asphalt requires large vibratory equipment which has been analyzed but still raises concern adjacent to the existing foundations downtown)

Executive Summary:

To change Third Street to Concrete is an additional cost of \$62,962.94.

Changing both Third Street and Railroad Ave to concrete is an additional cost of \$170,784.20. It should be noted that by doing both Third and Railroad Ave in concrete the unit cost is reduced.

Notification Requirements:

None

Prepared By:

Craig Spaulding, Civil Engineer

Attachments:

1. Memo to SHahn re concrete paving
2. Memo-Concrete Paving vs Asphalt at Third St
3. 2020-3-30 3rd Street Concrete Pavement Recommendation
4. Third and Railroad Geotech Report
5. PCCP letter



TO: Scott Hahn, City Manager
FROM: Brian Prunty
CC: Craig Spaulding, Staff Civil Engineer
DATE: March 31, 2021
RE: Change Order to Downtown Rehabilitation Project for Concrete Paving

Prior to the award of the contract for the Downtown Rehabilitation Project, discussion was initiated on an engineering level to consider the paving of the section of 3rd Street and subsequently Railroad Avenue. While the idea was shelved, due to unknowns of the bid proposal costs, now that we are cognizant of our costs, the discussion of concrete paving could be re-engaged.

Speaking with our contractor for the project, KSK, LLC, we came to realize there are numerous advantages to paving with concrete. Specifically, we were initially looking at 3rd Street, but after understanding the advantages and the long-term cost benefits, the only question seemed to be was, 'Why not do all of the project streets in concrete?' A subsequent discussion with KSK yielded a unit cost reduction, which made paving with concrete even more attractive.

In the attached memo, Craig has done a superb job and laying out the rationale for paving with concrete. The least not being the faster incremental restoration of business traffic to the impacted areas.

Our plan is to introduce these ideas during the Council Workshop for the April 7, 2021 meeting. With Council approval (or rejection) of our proposals, we will at that time draft the Change Order for the additional construction costs, as appropriate. Our costs for this Change Order fit within our budget and Contingency funds.

BGP



PUBLIC WORKS



TO: Brian Prunty
FROM: Craig Spaulding
DATE: March 30, 2019
RE: Third St Concrete Paving

The purpose of the following memo is to discuss both Colorado River Engineering's and Martinez Western's recommendation to pave Third Street in concrete instead of asphalt.

Geotechnical analysis of the Third and Railroad area has been ongoing since 2016. The outcome of the analysis included both asphalt and concrete road sections. Both sections are designed for the conditions that are presented in this area. During the design process it was decided to use an asphalt section because of its cost and its ability to be overlaid half way through the design life which makes the road look like new.

Both Martinez Western and Colorado Engineering are recommending that Third Street be paved in concrete instead of asphalt. This change would be an increase to the project cost of approximately \$60,000.

Colorado Engineering has outlined the benefits of concrete instead of asphalt but some of the most important to note are:

1. Getting business frontage restored faster
2. Reduced impact on existing foundations (asphalt requires large vibratory equipment which has been analyzed but still raises concern adjacent to the existing foundations downtown)

Cost estimates are addressed in the memo presented by CRE but lifecycle costs should also be analyzed. In the life of the concrete road an asphalt road would need milled and overlaid at least once. Using today's rates, this overlay would cost approximately \$44,045.05 using 15 years of 3% inflation this would cost approximately \$68,000.00. Using a conservative estimate, concrete does not necessarily "save money" but it does provide a better product for a comparable lifecycle cost.

Memorandum

To: Craig Spaulding, City of Rifle
From: Eric Brynildson, P.E.
Date: 3/30/2021
Subject: Rifle Downtown Project – 3rd Street & Railroad Avenue
Job #: 1198

Colorado River Engineering is recommending changing from asphalt pavement to concrete pavement for 3rd Street. This includes both East and West blocks of 3rd Street. The adjacent parking areas are already designed as concrete. This would be a change to the travel way in the roadway itself. Justification for this is as follows:

1. The Concrete surface will perform better at turning movements and reduced surface rutting compared to asphalt.
2. Improved drainage characteristics: Concrete is less likely to settle or soften at the edges/connections to the adjacent drainage pan and trench drain which will result in less risk of surface water penetration and damage.
3. Construction flexibility and improved scheduling: Concrete can be installed in smaller phases. This will allow the surface improvements to be completed directly after the infrastructure is installed for each area. The contractor that is selected specializes in concrete, and therefore will not be subject of a sub-contractor's scheduling.
4. Reduced maintenance: Asphalt requires more maintenance, i.e. crack sealing/overlaying earlier in the design life.

The asphalt vs. concrete road sections are not equivalent in thickness. The 6" asphalt + 12" road base section is equivalent to 8.5" Concrete + 6" road base section as provided by the Geotechnical Investigation & Pavement Design Report by Yeh & Assoc, Inc. The table below displays a summary of material quantities and costs:

ITEM NO.	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE (\$)	AMOUNT	SUB-TOTAL
1	Concrete Roadway: 8.5" thick with Dowels	SF	11,833	\$ 11.00	\$ 130,163.00	
2	Road Base: 6" CDOT Class 6 (11,833-sq. ft)	TON	439	\$ 40.00	\$ 17,560.00	
						\$ 147,723.00
3	Asphalt Roadway: 6" thick (11,833-sq. ft)	TON	459	\$ 116.00	\$ 53,244.00	
4	Road Base: 12" CDOT Class 6	TON	877	\$ 40.00	\$ 35,080.00	
						\$ 88,324.00

This change will result in a cost increase of \$59,399. The unit prices above are based on the bid provided by the contractor. The contract change would be an addition of concrete roadway quantities and a reduction of asphalt and road base quantities. The original design was based on cost effectiveness, but we feel the better product is a justifiable change.



Yeh and Associates, Inc.

Consulting Engineers & Scientists

August 12, 2016

Project No. 216-197

Mr. Rick Barth, P.E.
City of Rifle
202 Railroad Avenue
Rifle, Colorado 81650

Subject: Final Report Summary, Geotechnical Investigation and Pavement Design Report, Railroad Avenue Improvements Project, City of Rifle, Colorado.

Dear Mr. Barth,

Yeh and Associates is pleased to present the final report of our geotechnical investigation, summary of findings, analysis, and recommendations for the Railroad Avenue Improvements Project from 2nd Street to 5th Street, in Rifle, Colorado. As requested, our investigation included the potential causes of subgrade settling and pavement failure in the 300 block of Railroad Avenue, southbound lane. Our work consisted of site reconnaissance, subsurface exploration, laboratory testing, piezometer installation and preliminary monitoring, analysis, and preparation of a draft report with pavement design recommendations and was performed in general accordance with our proposal dated April 25, 2016.

Preliminary reconnaissance suggested that distress was confined to the existing roadway and portions of the sidewalk closest to the curb and gutter. No apparent building distress in the 300 block of Railroad Avenue was observed. Our investigation included the drilling of twelve (12) test holes to evaluate existing pavement and subsurface conditions. Ten (10) of these locations included the installation of piezometers for subsurface water level monitoring. Additionally, two test pits were excavated in the area of settlement to document the area of concrete slab removal, and subsurface conditions. In general, pavement consisted of 3.5 to 6.0 inches of asphalt over base course, native soils, or a concrete slab. However, the existing bus pull out area in the northbound lane consisted of 9.5 inches of asphalt on native soils. An area of the 300 block consisted of 4 to 6 inches of asphalt placed directly on a concrete slab of varying thicknesses that ranged between 6 to 12 inches. During a previous utility fix, a 16.7 foot wide section of the concrete slab was removed. The length of the removed section, and the extent of the concrete slab is unknown. Subgrade soils consisted of a moist to wet, silty, sandy clay over gravels. Very dense gravels were encountered at depths between 1.3 and 8.5 feet below grade. At the time of drilling, groundwater was only encountered in test hole TH-1 at a depth of 16 feet. Laboratory testing included general soil classifications, engineering properties, as well as swell-consolidation testing, and saturation percent.

During subsequent piezometer monitoring after drilling, water was encountered in piezometers P-2, P-4, P-5, P-6 and P-11 within the intermediate clay layer. A rise in water levels was noted after a rainfall event. Water levels dropped during dry weather. The subsurface clays had varying moisture contents with higher values attributed to infiltration from poor surface asphalt and abandoned and existing utilities. No spring-like conditions or infiltration from gravels upward was encountered. According to estimated saturation testing, soils at a higher saturation percent are concentrated at the intersection of utilities along the 300 block of Railroad Avenue and along the storm sewer trench.

2000 Clay Street, Suite 200, Denver, CO 80211, (303) 781-9590, Fax (303) 781-9583
1525 Blake Avenue, Glenwood Springs, CO 81601, (970) 384-1500, Fax (970) 384-1501
588 North Commercial Drive, Grand Junction, CO 81505 (970) 242-5125, Fax (970) 255-8512
570 Turner Drive, Suite D, Durango, CO 81303, (970) 382-9590, Fax (970) 382-9583
391 Front Street, Suite D, Grover Beach, CA 93433 (805) 481-9590

In our opinion, the primary source of water infiltration into the subgrade soils contributing to the instability within the 300 block of Railroad Avenue is from leaky utilities as evidenced from saturation values and a piezometer water level rise after a storm event. Settlement and deterioration of the asphalt, however, may not have occurred if the concrete slab located below the HMA layer was not removed. Thus, in our opinion, not replacing the slab after utility repair was also a contributing factor to roadway deterioration.

We recommend that utility trenches be repaired to limit infiltration of water into subgrade soils by using a controlled low strength material as described in this report. Additionally, in the area of the 300 block of Railroad Avenue, the subgrade should be improved with a minimum 2 foot subgrade section of material that has a minimum R-value of 40 placed on a geofabric separator layer during construction. The replacement of the removed concrete slab should be considered. In our opinion, no protection of adjacent structures is necessary during construction. Options for removal of water within the clay layer include the installation of sand and gravel columns for downward draining, or an intercept drain located along the eastern road boundary to collect and drain southward, and are discussed herein. Additional options for pavement construction are contained in this report.

We appreciated the opportunity to be of service to you during this investigation and will be readily available to assist you during any subsequent monitoring, analysis, or investigation requests. If you have any questions regarding this report or need additional information or services, please feel free to contact us.

YEH AND ASSOCIATES, INC.



Scott W. Richards, P.E., P.G.
Colorado Northwest Region Manager



**FINAL REPORT
GEOTECHNICAL INVESTIGATION AND
PAVEMENT DESIGN REPORT
RAILROAD AVENUE IMPROVEMENTS PROJECT
RIFLE, GARFIELD COUNTY, COLORADO**

August 15, 2016



Prepared For:

**Mr. Rick Barth, P.E., City Engineer
City of Rifle
202 Railroad Avenue
Rifle, CO 81650**

Prepared By:

**Yeh and Associates, Inc.
1525 Blake Avenue
Glenwood Springs, CO 81601
Phone (970) 384-1500
Fax (970) 384-1501**

Project No. 216-197



**Final
Geotechnical Investigation and Pavement Design Report
Railroad Avenue Improvements Project
Rifle, Garfield County, Colorado**

August 15, 2016

Project No. 216-197

Prepared by:

Scott Richards, P.E., P.G.
Project Manager

Prepared by:

Robert F. LaForce, P.E.
Senior Materials Manager

Sylvia White
Senior Geologist

Independent Reviewer:

Hsing-Cheng Liu
Senior Project Manager

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1 PROJECT INFORMATION

1.1 Purpose and Scope

We understand a section of Railroad Avenue between 3rd Street and 4th Street settled several inches in early 2016. The City of Rifle has investigated potential causes of the significantly wet subgrade in this and the surrounding region. According to studies by the City of Rifle, potential causes of wet subgrade and settlement include: 1) storm sewer leakage with three confirmed locations of leakage found from video surveillance, 2) improper replacement of subgrade and subbase sections during a previous water line replacement, 3) highly fluctuating phreatic levels corresponding to runoff, irrigation, and potentially springs and/or wells in the vicinity, and 4) infiltration of water from poor asphalt areas and abandoned utilities. We understand a permanent stabilization of this roadway corridor is desired by the City of Rifle, regardless of whether causes and/or sources to the existing wet subgrade and recent settlement are resolved.

This report presents the results of our geotechnical investigation including subgrade stabilization and pavement design recommendations for Railroad Avenue as needed between 2nd Street and 5th Street. Our investigation undertakes the following:

- Evaluates the geotechnical characteristics of the subgrade soils
- Monitors groundwater levels
- Provides subgrade stabilization and pavement design recommendations for proposed roadway improvements.

The geotechnical investigation consisted of project site and geologic reconnaissance, exploratory test hole drilling to investigate subsurface conditions, and piezometer installation for groundwater monitoring. Test hole drilling was observed by a representative of Yeh and Associates (YA). Samples obtained during the field explorations were examined by the project personnel and representative samples were subjected to laboratory testing to determine the engineering characteristics of materials encountered. At several locations, piezometers were installed to allow for monitoring of subsurface water levels. This report summarizes our field investigation, the results of our analysis and our conclusions and recommendations based on

the site reconnaissance, piezometer readings, subsurface investigation and results of the laboratory testing.

1.2 Site Conditions

Railroad Avenue is a secondary artery roadway running north-south through the City of Rifle, Garfield County, Colorado, shown in Figure 1. Railroad Avenue and intersecting side streets in the project areas were paved. Railroad Avenue sloped down to the south at grades of approximately 1 to 2 percent. The roadways were bounded by commercial buildings and parking areas. Rifle Creek, which trends north to south was located approximately 700 feet west of the project area and was flowing at the time of this investigation. The Colorado River is approximately 750 feet south of the south end of the project area. Utilities were observed within roadway right-of-ways.

The surface of Railroad Avenue is primarily hot mix asphalt (HMA) with an area of improved pavement from the intersection with Centennial Parkway to the south to approximately 2nd Street. Improvements south of 2nd Street include curb and gutter with median treatments, new pavement and crosswalks. Primary distress in the area of interest from 2nd Street to 5th Street includes complete deterioration of the asphalt surface in approximately an 8 foot wide and 20 foot long section of the southbound lane located in the 300 block. Other distress was noted as minor to significant cracking of the asphalt surface at the intersections of Railroad Avenue with 3rd Street, 4th Street, and 5th Street, including the bus pull out area in the north bound lane directly north of 4th Street.

Representatives of YA observed the project site with the City Engineer on April 13, 2016. Subsequent reconnaissance and a field investigation was performed by YA staff on May 10-11, 2016. Figure 2 shows locations of pavement distress observed during YA reconnaissance site visits. Observed distress included the complete deterioration of the asphalt in the area of proposed settlement as shown in Photo 1, cracking of sidewalks as shown in Photo 2, curb and gutter areas, and additional asphalt deterioration in the intersections of Railroad Avenue with 3rd, 4th, and 5th Streets, as well as the bus pull out area in the north bound lane located north of 4th street. Apparent recent cracking observed in the sidewalks of the 300 block are likely associated with the area of settlement. Based on our site visit of limited hardscaping and

structures within the 300 block of Railroad Avenue, recent distress appears to be confined to streets and sidewalks as no apparent building distress was observed in structures in the 300-Block of Railroad Avenue. Also noted were the several subsurface utility trenches in the 300-Block with apparent existing settlement as shown in Photo 3, and an apparent topographic depression along the 300 block just north of the 3rd and Railroad Avenue Intersection.



Photo 1 – Road Settlement in the 300-Block of Railroad Avenue, Looking South



Photo 2 – Sidewalk Cracking in the 300-Block of Railroad Avenue, Looking South



Photo 3 – Utility Trench Settlement, 300-Block of Railroad Avenue, Looking South

1.3 Site Geology

The project area is located in the City of Rifle, Garfield County, Colorado northeast of the confluence of Rifle Creek and the Colorado River. The Geologic Map of the Rifle Quadrangle, 1997, shows the site is located on the north dipping limb of the Rifle Syncline on Quaternary age flood plain and stream channel deposits overlying the Tertiary age Wasatch Formation. Bedrock exposures of the sandstones and siltstones of the Wasatch Formation are exposed west of and northwest of the site. Surficial deposits at the site include manmade fill, and alluvium comprised of clay, silt, sand and gravel.

2 SITE INVESTIGATION

2.1 Subsurface Investigation

Twelve (12) test holes were drilled on May 10 and 11, 2016. In addition, two test pits were excavated by the City of Rifle on May 11, 2016. Test hole and test pit locations were selected in the field by Yeh and Associates, Inc. based on observed pavement distress and areas of interest between 2nd Street and 5th Street on Railroad Avenue. The two test pits were excavated at the easternmost and westernmost areas of settlement in the 300 block of Railroad Avenue to a depth of approximately 4 feet. Test pits were used to determine the width of the concrete slab removed during a previous utility project. Test hole depths ranged from 5 to 21.5 feet below existing grades. Table 1 provides the roadway area investigated with respect to the test hole location. The approximate locations of the test holes are presented on Figure 3, and test hole logs and legend are included in Appendix A.

Table 1 –Roadway Area with Corresponding Test Holes and Test Pits

Section of Railroad Avenue	Test Hole(s)
2 nd Street to 3 rd Street	TH-1, TH-2, TH-3
3 rd Street to 4 th Street	TH-4, TH-5, TH-6, TH-7, TH-8, Test Pit 1, Test Pit 2
4 th Street to 5 th Street	TH-9, TH-10, TH-11, TH-12

Test holes were advanced with a SIMCO 2800 truck drill rig using a 4-inch continuous flight solid auger to pre-determined depths where a modified California or split-spoon sampler was used to record blow counts and obtain samples. Bulk samples were also obtained at depths indicated on test hole logs.

To perform the modified California penetration resistance tests, a 2.0-inch inside diameter sampler was seated at the bottom of the test hole, then driven up to 12 inches with blows of a standard hammer weighing 140 pounds and falling a distance of 30 inches utilizing a *ñauto hammer* (ASTM D1586). The number of blows (Blow Count) required to drive the sampler 12 inches or a fraction thereof, constitutes the N-value. The N-value, when properly evaluated, is an index of the consistency or relative density of the material tested. Split spoon samples are obtained in the similar manner, but with a 1 3/8-inch inside diameter sampler.

2.2 Laboratory Testing

Samples retrieved from our test holes were examined and visually classified in the laboratory by the project engineer. Laboratory testing of soil samples obtained from the project site included standard property tests, such as native moisture contents, estimated saturation percent, dry densities, grain size analysis, and liquid and plastic limits. Swell-consolidation testing was performed on selected samples. Data from the laboratory testing program are summarized in Appendix B.

2.3 Subsurface Conditions

In general, the subsurface conditions at the project site consisted of a pavement section of HMA over base course with an area between 3rd Street and 4th Street of HMA over a concrete slab. The area between Centennial Parkway and 2nd Street with improved pavement was not investigated as part of this study. The pavement section was underlain by clay, silt, sand, gravels, and occasional cobbles. Typical pavement sections had 3.5 to 6 inches of asphalt over 8 to 36 inches of road base. The existing bus pull out area had 9.5 inches of asphalt on native soils. Four locations had 4 to 6 inches of asphalt over a slab of concrete, which varied in thickness from 6 to 12 inches. This concrete slab appeared to be placed directly on native soils. Test Pit 1 was excavated at the western edge of the settlement area, and Test Pit 2 was

excavated at the eastern edge of the settlement area. Based on the test pit excavation, it appears that a 16.7 foot wide section of the concrete slab had been removed. The slab cut began 3 feet east of the southbound lane curb, and continued to the east for 16.7 feet. The length of the removed section was unknown and determination of extents of the concrete slab was not a part of our limited study. We understand the removal of the slab was for utility work performed previously. Pavement sections from our study are summarized in Table 2.

Below the concrete and road base was 0 to 7 feet of clay over sand and gravel. Very dense gravels were encountered at depths between 1.5 and 8.5 feet below grade. Practical drill rig refusal occurred in test holes TH-1, TH-7, and TH-12 at depths of 21.5 feet, 19.5 feet, and 19.5 feet, respectively.

Table 2 – Test Hole Locations and Existing Asphalt and Base Thicknesses

Roadway Name	Test Hole Number	Test Hole Location in Roadway	Pavement Thickness (inches)	Base/Fill Thickness (inches)
Railroad Avenue	TH-1	Northbound turn lane from Railroad Avenue to W. 2 nd Street	4.0	12.0
	TH-2	Southbound through lane	4.5	13.4
	TH-5	Southbound through lane	5.0	31.0
	Test Pit 1	Southbound through lane	4.0	6.0 concrete over 7.0 base
	Test Pit 2	Southbound middle turn lane	4.0	6.0 concrete over 8.0 base
	TH-6	Southbound through lane	4.5	31.5
	TH-7	Northbound parking lane	6.0	9.5 concrete (no base)
	TH-8	Northbound middle turn lane	5.0	7.0 concrete (no base)
	TH-10	Northbound bus pullout lane	9.5	No base
	TH-11	Southbound through lane	3.5	8.5
	Average (nearest 0.5 inch)	Average All Pavement Railroad Ave.	5.0	14.0, including concrete
Street 3 rd	TH-3	Eastbound turn lane from West 3 rd Street to Railroad Avenue	4.5	13.5
	TH-4	Westbound turn lane from East 3 rd Street to Railroad Avenue	6.0	18.0
	Average (nearest 0.5 inch)	Average All Pavement 3 rd Street	5.3	15.8
Street 4 th	TH-9	Westbound turn lane from East 4 th Street to Railroad Avenue	4.0	8.0
Street 5 th	TH-12	Eastbound merge lane from Railroad Avenue to East 5 th Street	4.5	25.5

2.3.1 Existing Fill Material

Three fill clay samples tested had 46 to 82 percent fines (material passing the No. 200 sieve). Atterberg limit testing on one of these samples indicated a liquid limit of 29 percent and a plasticity index of 13 percent. A sample taken at 2 foot depth exhibited no collapse when wetted under an applied pressure of 1,000 pounds per square foot (psf). One fill clay sample classified as CL, according to the Unified Soil Classification System (USCS) and as A-6 with group index 7, based on the American Association of State Highway and Transportation Officials (AASHTO).

Three fill sand samples tested had 10 to 30 percent fines and one of the samples had a liquid limit of 28 percent and a plasticity index of 14 percent. One sample taken at a depth of 4.5 feet exhibited a collapse of 0.1 percent when wetted under an applied pressure of 1,000 psf. One of the fill sand samples classified as SC (USCS) and as A-2-6 with group index 0, (AASHTO).

Two fill gravel samples tested had 9 to 39 percent fines.

2.3.2 Native Clay

Fifteen native clay samples tested had 51 to 99 percent fines. Eight of the samples had liquid limits of 24 to 37 percent and plasticity indices of 10 to 20 percent. At depths of less than 5 feet, samples showed little to no swell or collapse when wetted under an applied pressure of 1,000 psf. One sample at a depth of 1 foot taken at the bus-pullout area exhibited swell of 1.7 percent. The native clay samples classified as CL (USCS) and as A-4 with group index 3, and A-6 with group indices of 2, 6, 10, 13, 15, and 20 (AASHTO). A composite bulk sample from Test Pit 1 was subjected to Hveem (R-value) testing (ASTM 2844) and resulted in an R-value of 16 at an exudation pressure of 300 psi. Chemical testing results, including water soluble sulfate content, performed on four native clay samples are presented in Section 4.0.

2.3.3 Native Gravels

Eight native gravel samples tested had 6 to 25 percent fines. Two of the samples had liquid limits of no value and plasticity indices of non-plastic. These samples classified as GM and GP-GM (USCS) and as A-1-a and A-1-b, both with group index 0 (AASHTO).

2.3.4 Groundwater

Groundwater was encountered during drilling only in test hole TH-1 at a depth of 16 feet. Groundwater levels encountered after drilling are summarized in the piezometer section 2.3.5, and in the Summary of Piezometer Readings in Appendix C. Groundwater was not encountered in the other test holes at the time of our drilling investigation. Subsequent to drilling, perched water was encountered in the clay layer in piezometers P-2, P-4, P-5, P-6 and P-11 during our monitoring period. Variations in groundwater conditions may occur seasonally. The magnitude of the variation will be largely dependent upon the amount of spring snowmelt, duration and intensity of precipitation, and the surface and subsurface drainage characteristics of the surrounding area.

2.3.5 Piezometer Installations

Factory slotted PVC piezometer standpipes were installed in all test holes except TH-7 and TH-9. Piezometer locations are labeled on Figure 3 as P-1, P-2, etc. The length of the pipe used ranged from 5.5 to 16.8 feet. Over the course of 5 weeks of monitoring during May and June, 2016, at a frequency of one reading per week, piezometers P-1, P-2, P-3, P-5, P-6, and P-11 showed water level readings. Piezometers P-4, P-8, P-10, and P-12 were dry during our monitoring period. The water level measured in P-1 likely corresponds to groundwater elevations. Water encountered in P-2, P-3, P-5, P-6 and P-11 likely represent groundwater within the intermediate clay layer. See Appendix C for more detailed piezometer information, and specifically Figure C-2 for groundwater measurement information. Further discussion on implication of water level readings can be found in Section 2.4, Discussion.

2.3.6 Subsurface Water Content

Water content values greater or less than 10 percent are shown on plan view with respect to depth in Figure C-3, Appendix C. The areas between laboratory test data has been estimated for graphical purposes. Soils below the pavement section to a depth of 3 feet exhibited moisture contents higher than 10 percent at test holes TH-4, TH-8, TH-9 and TH-10, and Test Pit 1. These areas appear to be an anomaly. Elevated water content in TH-4 is likely due to an abandoned and broken storm sewer pipe encountered in the subsurface at depths of approximately 2 to 4 feet. A piece of cast iron and wet fill soil was encountered in a sample in

test hole TH-4 at a depth of 3.5 feet. Elevated water content in Test Pit 1 and test hole TH-10 are likely due to surface water infiltration where the asphalt has completely deteriorated due to settlement at Test Pit 1 and heavy bus transit use at test hole TH-10. It is unclear why water levels were elevated at test holes TH-8 and TH-9 at 0.5 to 3 foot depths.

Water content values at depths between 3 and 6 feet on tested samples were all above 10 percent, ranging from 12.2 to 24.7 percent, except for test hole TH-6 at a depth of 4.5 feet with a reading of 6.4 percent. In TH-6, water content increased to greater than 10 percent at depths of 5 feet and 6 feet. Depths between 3 and 6 feet typically correspond to the elevations of utility trenches such as the storm sewer and water lines.

Water content values for the gravel layer underlying the clay layer were all less than 10 percent and ranged from 2.5 to 5.2 percent as shown in Figure C-3, Appendix C.

Further discussion on implication of water content readings can be found in Section 2.4, Discussion.

2.3.7 Estimated Saturation Percent

Saturation testing was performed on samples used for swell-consolidation testing. Saturation percentage is defined as the moisture content of a sample of soil that has been brought to saturation by adding water. To estimate a saturation percentage for in situ soils, obtained samples were submerged for 48 hours in a swell ring and the allowed increase in moisture was measured. Samples allowing a low or negligible increase in moisture from existing conditions are assumed to have a high saturation percentage. As this method is approximate, saturation values are referred to as an estimated calculated value. These calculated values are shown in the laboratory summary sheet in Appendix B. A higher saturation percent typically indicates higher volumes of water in the subsurface. Two groups of saturation percent values, those values greater than 90 percent, and values between 80 to 90 percent, are shown graphically in Figure C-4, Appendix C. A greater distribution of soils with higher values of saturation is found near test holes TH-4 and TH-10, and Test Pit 1, from a depth below the pavement section to a depth of 3 feet. This type of wetting may suggest top-down wetting in areas near Test Pit 1 and TH-10, which is consistent with deteriorated pavement sections found in these areas. Elevated

saturation at TH-4 is likely from infiltration along abandoned, broken utility lines. At depths between 3 to 6 feet, a greater distribution of highly saturated soils is found in the settlement area in the 300 block of Railroad Avenue, and along the utility trench which runs east-west, just south of the settlement area. Elevated saturation values are not found up-gradient, or east, of the storm sewer and water utilities, or in test holes TH-9, TH-10, TH-11, or TH-12. Further discussion on implication of water saturation readings can be found in Section 2.4, Discussion.

2.4 Discussion

The analysis of our findings with respect to the proposed causes of wet subgrade are as follows. Groundwater was encountered in test hole TH-1 below a depth of 15 feet. Gravels encountered in test holes TH-3, TH-7, TH-9, TH-11, and TH-12 were relatively dry. This would make it unlikely that there is any upwelling of water due to spring water, fluctuating phreatic or groundwater levels. It appears top-down wetting is occurring in areas of deteriorated asphalt. However, infiltration appears to have only reached depths of approximately 2 to 3 feet at this time. Soils at typical utility trench depths have elevated moisture contents. Higher saturation values in the region of settlement are along the area of the storm sewer and the utility trench eastward along the alley. According to the Request for Proposal (RFP) documents provided by the City of Rifle, this storm sewer is leaking in areas up-gradient from the 300 block of Railroad Avenue. Test hole TH-8, up-gradient and easterly from the storm sewer, does not appear to have an elevated saturation percent at these depths. During our monitoring of apparent water levels, the groundwater level at test hole TH-1 had little fluctuation. Water was encountered in piezometers at test holes TH-2, TH-4, TH-6 and TH-11, when measured on May 20, 2016, a few days after a rainfall event. Subsequently, water has dropped, or remained at same depth in most of these test holes. The exceptions are piezometer P-3, which showed a slight raise in water level, and piezometer P-5 that had measurable water for the first time during the monitoring period. See Appendix document C-2 for piezometer readings.

In our opinion, the primary source of water infiltration into the subgrade soils contributing to instability within the 300 block of Railroad Avenue is from leaky utilities along Railroad Avenue and potentially along the alley way to the east between 3rd Street and 4th Street. Settlement appears to have occurred in the area where the concrete slab was removed, and not replaced, during a previous utility replacement project. Protection for adjacent structures does not appear

necessary at this time, or during construction. Methods for removing groundwater from the clay layer should be incorporated during construction and are discussed in Section 4.2.

3 CORROSIVITY

The concentrations of water-soluble sulfates measured in the laboratory on four native clay samples from depths of 3.5 feet to 8 feet varied from 0.006 to 0.272 percent. Concentrations of water soluble sulfates measured on one gravel sample was 0.046 percent and concentration in one fill sand sample was 0.009 percent. Based on laboratory test results, we anticipate a severity of sulfate exposure of Class 2 for concrete in accordance with Table 601-2 of the CDOT Standard Specifications may exist at the project site. Structural fill and aggregate base course are assumed to have Class 0 exposure or no effect on concrete.

The pH, electrical resistivity and water-soluble chloride were also determined for the same samples. Test results for clay samples measured pH values of 7.8 to 8.1, considered slightly basic. The pH value for the gravel sample was 8.0 and for the fill sand was 8.4. The resistivity measurements for the clay samples ranged from 323 to 943 ohm-centimeters. Resistivity measurement for the gravel sample was 1531 ohm-centimeters, and for the fill sand sample was 2237 ohm-centimeters. The concentration of water-soluble chlorides for the clay samples ranged from 0.0183 and 0.0912 percent. Water soluble chloride concentration for the gravel sample was 0.0054 percent and for the fill sand sample was 0.0065 percent. These values should be considered in conjunction with the CDOT culvert materials guidelines in selecting project materials. A qualified corrosion engineer should review this data to determine the appropriate level of corrosion protection for the project site.

4 UTILITY TRENCH AND SUBGRADE REMEDIATION SUGGESTIONS

4.1 Utility Trench Improvements

Based on our investigation, settlement of compacted soil at depths greater than 3 feet is likely and can be expected in the 300 block area of Railroad Avenue where the concrete slab has been removed. We recommend that utilities or the utility trench be repaired to limit infiltration of water into the subgrade soils. At a minimum, this should occur along the entire 300 block of Railroad Avenue, and along the eastward trench in the alleyway. A trench box may be required for constructability in these soft soil areas. We recommend backfilling the entire depth of the trench with controlled low

strength material (CLSM) or a lean, sand-cement slurry, flowable fill or grout solution, or similar material. Material should exhibit a 28 day unconfined compressive strength between 50 pounds per square inch (psi) to 200 psi so that re-excavation is not unusually difficult, if necessary. Placement of material in several lifts or other measures will likely be necessary to avoid floating the pipe during emplacement. Measures should also be taken to maintain pipe alignment during this process.

4.2 Subgrade Improvements and Groundwater Drain Suggestions

It appears that poor subgrade may be confined to the 300 block of Railroad Avenue, or between 3rd Street and 4th Streets. In this area, and any other areas where poor wet subgrade soils are encountered for this investigation, we recommend the base of the pavement section be placed on a minimum of 2 feet of structural fill with an R value of 40 or greater, and placed on a geofabric separator layer. Structural fill should be processed and placed in no greater than 8 inch lifts to within 95 percent of the maximum standard Proctor density within +/- 2 percent of optimum moisture. We assume the existing concrete slab will need to be removed as part of subgrade improvements and the replacement of the removed concrete slab should be considered.

Based on our study, groundwater appears to be confined to the clay layer below the pavement section and above the dry gravel layer. The removal of this water is important for a sustainable pavement section and we have the following suggestions.

- Install 12 inch diameter sand and gravel columns through the clay layer into subsurface gravels to facilitate water migration down to the subgrade.
- Install an intercept drain along the eastern side of the roadway to catch potential westerly water migration from the east in the subsurface clay layer. This drain should be constructed below the subgrade improvement section into the clay layer and consist of perforated PVC pipe with free draining gravel backfill, wrapped in a separator fabric. The drain should daylight to the south or connect with storm sewer drainage flowing southward.

We look forward to an opportunity to discuss these options. If, during construction, subgrade continues to be unstable beyond the 300 block and adjacent intersections, these improvements

may need to be extended. Additionally, if reaching the necessary compaction in the fill section becomes difficult, it may be necessary to place a layer of geogrid above the first lift.

5 PAVEMENT RECOMMENDATIONS

As seen in the photos 1, 2 and 3 the existing pavement has failed in many locations because of excess water beneath the pavement.

5.1 Traffic Loading

City of Rifle personnel stated that Railroad Avenue carries approximately 10,000 vehicles per day. In order to obtain a traffic loading, the vehicle mix was needed along with the volume. To calculate the traffic loading, 20-Year HMA Equivalent Single Axle Loads (ESAL) and 30-Year ESAL loading for PCCP were obtained from the CDOT web page OTIS section for State Highway 13 (SH 13). At the south intersection of SH 13 and Railroad Avenue, there is a dramatic loss of volume because of the I-70 ramps, US 6 and Railroad Avenue. At the north intersection with SH 13 near 20th Street, we believe that most of the increase in volume and traffic loading on SH 13 is provided by traffic coming from Railroad Avenue. Based on the projected increase in 20-Year ESAL loading on SH 13 north of the intersection, the project traffic ESALs for each pavement type is presented in Table 3. Data from the CDOT webpage to document the traffic loading is presented in Appendix D. The HMA value was used as the input to the DARWin, Version 3.1 pavement design program and the PCCP value was used as input to the 1998 FHWA Supplement to the 1993 AASHTO Pavement Design Guide. These are the two programs used in compliance with the 2014 CDOT Pavement Design Manual. The ESAL calculations are presented in Appendix D.

Table 3 - Traffic Loading

Pavement Type	Design ESAL
Hot Mix Asphalt	1,000,000
Portland Cement Concrete	2,600,000

5.2 Design Assumptions and Inputs

For the HMA pavement thickness designs, a resilient modulus of 4,334 pounds per square inch (psi) was calculated from the R-value of 16 using Equations 2.1 and 2.2 from the CDOT 2014 Pavement Design Manual.

Table 4 presents the input design parameters used for the design of several HMA pavement options that would meet the stabilization requirements for Railroad Avenue and Table 5 presents the input design parameters used for the design of the Portland Cement concrete pavement (PCCP).

Table 4 - HMA Pavement Design Parameters

Hot Mix Asphalt (HMA) Design Inputs			
Initial Serviceability	4.5	Reliability Level, %	95
Terminal Serviceability	2.5	Structural Layer Coefficient HMA	0.44
Design Subgrade R-value	16	Subgrade Resilient Modulus (MR), psi	4,334

Table 5 - PCCP Pavement Design Parameters

Portland Cement Concrete Pavement (PCCP) Design Inputs			
Initial Serviceability	4.5	Reliability Level, %	95
Terminal Serviceability	2.5	PCCP Flexural Strength, psi	650
Design Subgrade R-value	16	Subgrade Resilient Modulus (MR), psi	4,334
Load Transfer Coefficient, J	4.2	Modulus of Subgrade Reaction, k, psi/in	75

5.3 HMA Pavement Thickness Recommendations

A pavement section is a layered structure designed to disperse dynamic traffic loads to the subgrade. The performance of the pavement structure depends on the traffic loadings and physical properties of the subgrade materials. Recommended pavement design thickness sections are summarized below.

HMA pavement design calculations were performed using the program DARWin Version 3.1 as recommended in the CDOT 2014 Pavement Design Manual in accordance with the AASHTO 2013 Pavement Design Guide.

Calculations and program outputs for the pavement designs are presented in Appendix E. Four HMA pavement options are presented in Table 6. HMA pavement thicknesses presented in Table 6 are rounded up to the nearest one-half inch for pavement design purposes.

Table 6 - Recommended HMA Pavement Thickness (DARWin 3.1)

Roadway Treatment	Calculated Minimum HMA Thickness (inches)	Minimum ABC Class 6 Thickness (inches)
Full Depth HMA	10.0	0
HMA & ABC	8.0	6.0
HMA & ABC	6.0	12.0
HMA & ABC & 2 ft. R-40	5.5	6.0

As discussed in Section 4.2 above, where the structural backfill is needed to stabilize the subgrade we recommend a thinner asphalt section. We have assumed that structural backfill will have at least a minimum R-value of 40. As a result of the stronger subgrade, a thinner HMA section will be needed to address the traffic loading.

The other sections of the roadway, using HMA and aggregate are presented to provide equivalent structural sections that could be used. In areas where only removal of the existing pavement are required, minimal removal of subgrade and a good section can be achieved using 6 inches of ABC and 8 inches of HMA. We recommend that a separation geotextile be placed between the clay subgrade and any new ABC to prevent contamination of the ABC with fines from the clay.

Table 7 - Recommended PCCP Pavement Thickness

Roadway Treatment	Calculated Minimum PCCP Thickness (inches)	Minimum ABC Class 6 Thickness (inches)
Recommended PCCP Thickness (inches)	8.5	6

Table 7 presents the recommended minimum thickness for the concrete pavement option. We recommend this pavement section be used for bus pullouts and/or parking areas along Railroad Avenue. This would also be the recommended section if concrete was chosen for all of the pavement. A copy of all pavement design program print outs are presented in Appendix E.

5.4 HMA Mix Recommendations

We recommend that the asphalt mix for this project meet the specifications for Grading SX (75) in accordance with CDOT specifications. The number of SuperPave Gyratory revolutions for design (Ndes) of the asphalt mixes should be at 75 gyrations as recommended based on the intersection traffic loading. We recommend that performance graded asphalt binder meeting the CDOT requirements for performance grade PG 58-28 be used in the lower lifts. PG 58-28 has a 98% reliability binder for binder rutting resistance and also a 98% reliability for thermal cracking based on the Rifle weather data and using the Federal Highway Administration (FHWA) Binder Selection Program, LTPP Bind. The lower lifts should meet the requirements for SX (75) and should be placed in lifts between 1.5 inches and 3 inches thick.

The top 2-inch lift should conform to SX (75) and contain PG 64-28. PG 64-28 is a polymer modified binder that has a 98% reliability against rutting, and a 98% reliability against thermal cracking based on data from the Rifle weather station. The output from the LTPPBind program is presented in Appendix E following the pavement design printouts.

Aggregates for hot plant mix bituminous pavement should be of uniform quality, composed of clean, hard, durable particles of crushed stone, gravel, or slag. Excess of fine material should be wasted before crushing. The specified gradations for the above mixes are published in Tables 703-4 and 703-5 of the 2011 CDOT Standard Specifications.

5.5 Pavement Subgrade Preparation

In areas of pavement removal, following the removal of existing pavement, if the subgrade is not to be removed and replaced as addressed in Section 4.2 above, it is recommended that the top 6 inches of the subgrade for the entire roadway width be scarified and recompact in compliance with CDOT Standard Specifications.

In areas of complete new pavement construction, a minimum of twelve (12) inches of ABC should be placed before paving with HMA. We recommend that a separator geotextile Class 1 conforming to the requirements listed in Section 712.08 of the 2011 CDOT Standard Specifications be placed between the subgrade and the ABC Class 6 in conformance with Section 420.07. The subgrade and ABC should be compacted in accordance with the requirements shown in Section 203.07 of the 2011 CDOT Standard Specifications.

The pavement subgrade should be proof rolled with a heavily loaded pneumatic-tire vehicle. Areas that deform more than one-half inch under heavy wheel loads should be removed, replaced if necessary and reworked to achieve a stable subgrade prior to paving. We recommend that proof rolling and compaction tests be observed and documented by a representative of a registered Professional Engineer.

5.6 Drainage Considerations

In addition to the recommendations above, the collection and diversion of surface drainage away from paved areas is critical to the satisfactory performance of the pavement. Proper drainage design should include prevention of ponding of water on or immediately adjacent to pavement areas. All landscape sprinkler heads adjacent to pavement areas should be frequently checked for leaks and maintained in good working order. Over-spray from sprinklers should be minimized. Concentrated runoff should be avoided in areas susceptible to erosion. Slopes and other stripped areas should be protected against erosion by re-vegetation or other methods.

6 LIGHT POLE CAISSON FOUNDATION

Borings TH-3, TH-4, TH-9 and TH-12 should be used to provide information for traffic light pole caisson design. Based on the soils properties, blow counts and in-place density of the soils, the traffic light pole foundation caisson should be designed using CDOT M-Standard 614-40A. We anticipate a caisson depth of at least 11 feet, or a minimum penetration of 2.5 feet into underlying dense gravels. Caisson construction parameters can be provided upon request.

7 PRELIMINARY DEWATERING

The city has proposed that the sand/gravel columns as discussed in section 4.2, be constructed in a portion of the 300 block of Railroad Avenue, and that water levels be measured for a preliminary de-watering exercise. We recommend that installation of columns occur during the fall of 2016. A schematic of a typical sand and gravel column for construction is shown in Figure 4.

Continued support from YA with approval of the city and a new contract could include the following:

- A continued period of monitoring of water levels before and after the de-watering.
- Installation of columns, including assistance in the placement and spacing of columns.
- Installation construction monitoring.
- Registration of selected piezometers with the Colorado Division of Water Resources for continued water level monitoring.

A proposal for the above listed services will be provided to the city for consideration.

8 REFERENCES

CDOT, July 2012, Standard Plans, M and S Standards.

CDOT, July 1, 2015, 2016 CDOT M-E Pavement Design Manual.

CDOT, 2011, CDOT Standard Specifications for Road and Bridge Construction.

Shroba, R., and Scott, R., 1997, Geologic map of the Rifle quadrangle, Garfield County, Colorado: U.S. Geological Survey, Open-File Report 97-852, scale 1:24,000. Map available online at: http://ngmdb.usgs.gov/Prodesc/proddesc_18866.htm, accessed

June 14, 2016.

9 LIMITATIONS

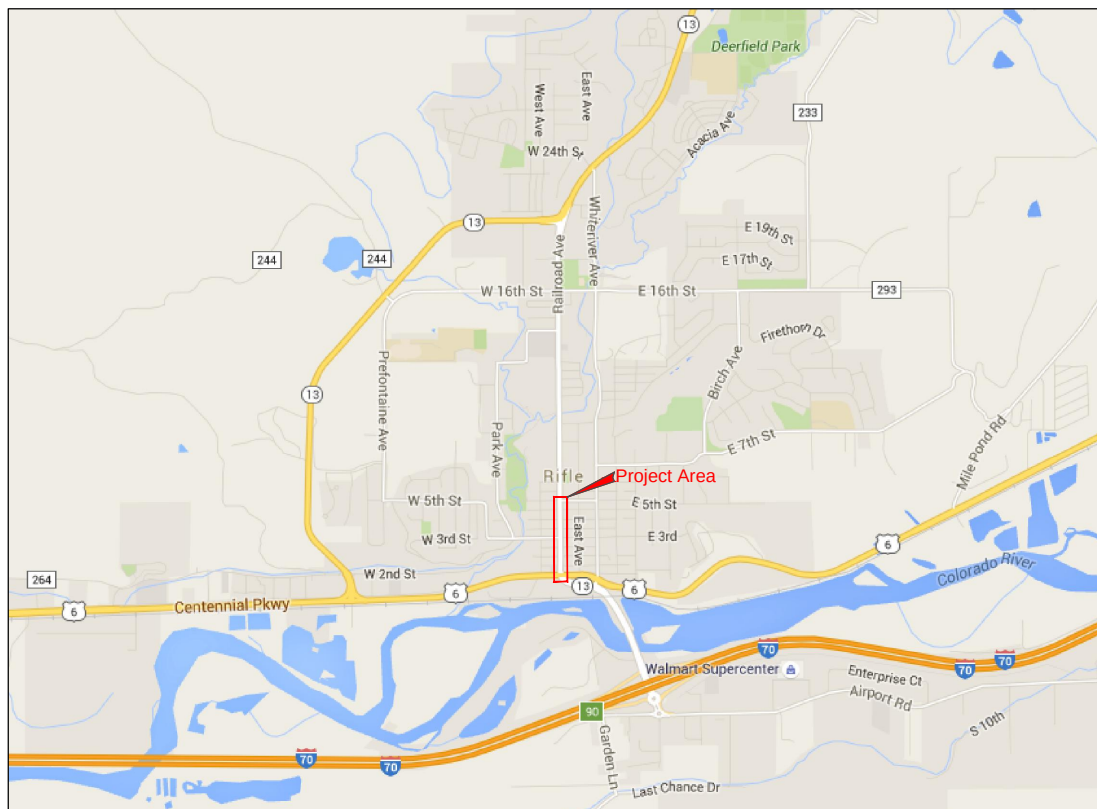
This study was conducted in accordance with generally accepted geotechnical engineering practices in this area for use by the client for design purposes. The conclusions and recommendations submitted in this report are based upon the data obtained from exploratory test holes, field reconnaissance and anticipated construction. The nature and extent of subsurface variations across the site may not become evident until excavation is performed. If during construction, conditions appear to be different from those described herein; this office should be advised at once so reevaluation of the recommendations may be made. We recommend on-site observation of excavations by a representative of the geotechnical engineer.

The scope of services for this project did not include, specifically or by implication, any environmental or biological (e.g., mold, fungi, and bacteria) assessment of the site or identification or prevention of pollutants, or conditions or biological conditions. If the owner is concerned about the potential for such contamination, conditions or pollution, other studies should be undertaken.

The report was prepared in substantial accordance with the generally accepted standards of practice for geotechnical engineering as exist in the site area at the time of our investigation. No warranties, express or implied, are intended or made.

FIGURES

***Project Site Map,
Existing Conditions Map,
Approximate Test Hole Locations Map, and
Repair Drain Columns Schematic***



Yeh and Associates, Inc.
Consulting Engineers & Scientists

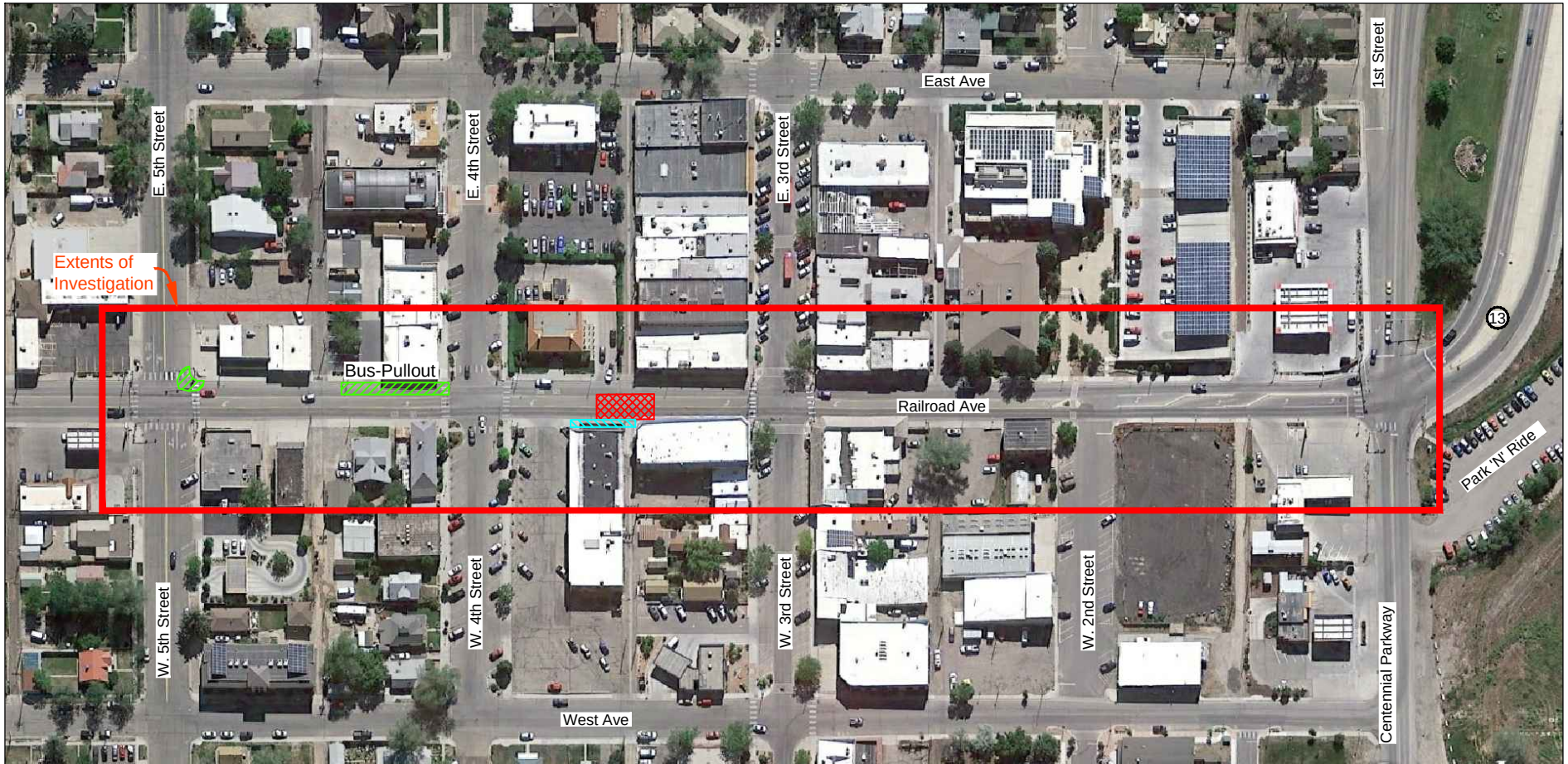
DRAWN BY: JRM DATE: 6/09/2016
 CHECKED BY: SWR DATE: 6/09/2016
 DESIGNED FOR: City of Rifle, Colorado
 PROJECT NUMBER: 216-197
 NOT TO SCALE

Base maps acquired from maps.google.com and USGS Maps at
ngmdb.usgs.gov/img4/ht_icons/Browse/CO/CO_Leadville_403145_1964_250000.jpg

PROJECT: Railroad Avenue Improvements
 City of Rifle, Garfield County

Site Location Map

FIGURE
1

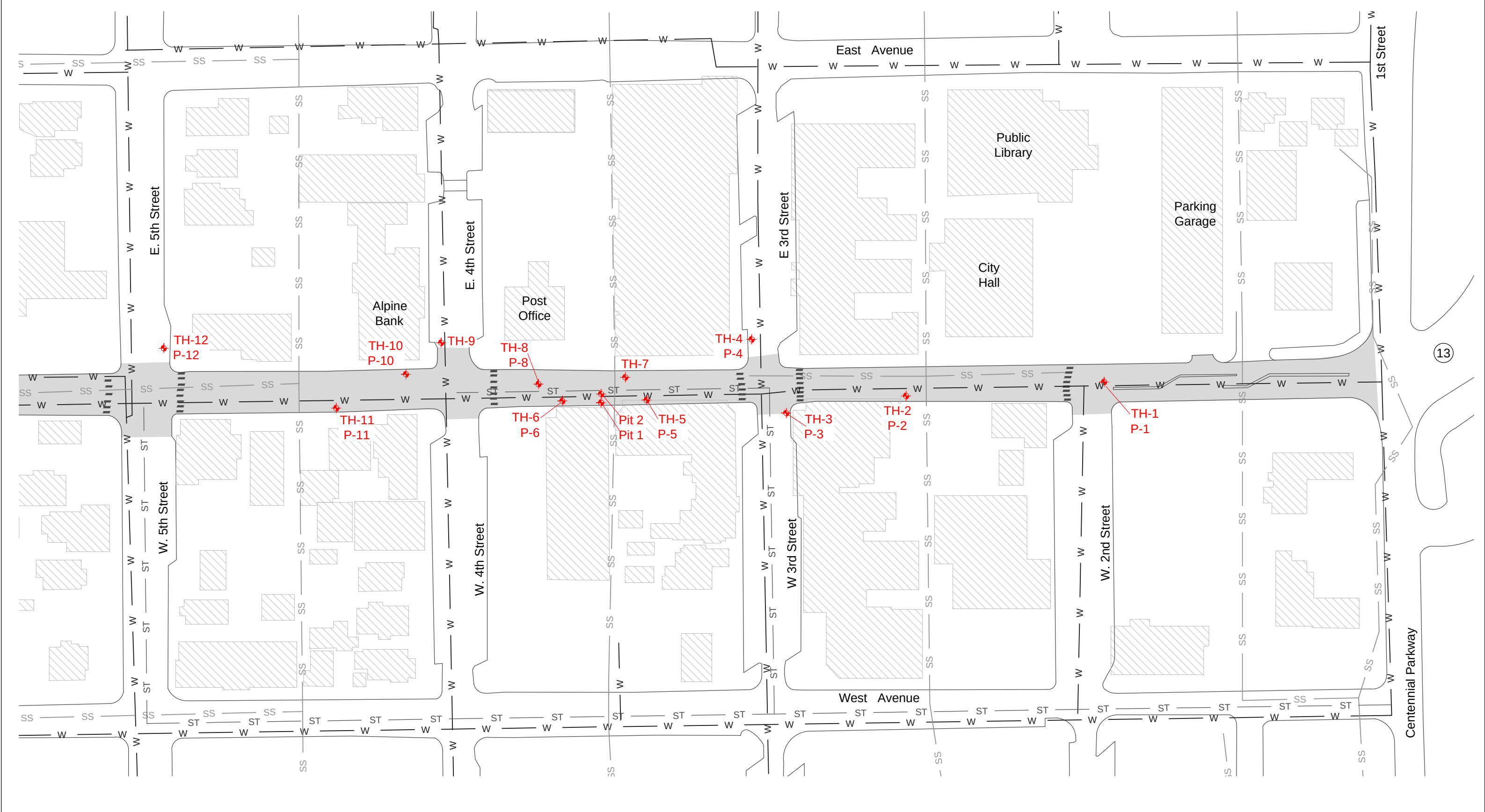


Legend:

-  Damaged roadway - major
-  Damaged roadway - minor
-  Recent cracks in sidewalk



 Yeh and Associates, Inc. Consulting Engineers & Scientists	DRAWN BY: JRM	DATE: 6/09/2016	PROJECT: Railroad Avenue Improvements City of Rifle, Garfield County	FIGURE 2
	CHECKED BY: SWR	DATE: 6/09/2016		
	DESIGNED FOR: City of Rifle		Railroad Avenue Existing Conditions Map	
	PROJECT NUMBER: 216-197			
	Not to Scale			
Base map acquired from maps.google.com, image date 06/03/2014				

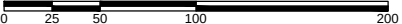


Symbol Legend

- | | | | |
|---|---|---|---|
|  TH-1
P-1 | Indicates approximate location of boring hole and piezometer location |  W  | Indicates approximate location of water main |
|  | Indicates Railroad Avenue |  SS  | Indicates approximate location of sanitary sewer line |
|  | Indicates approximate location of an existing building |  ST  | Indicates approximate location of 30" RCP storm sewer |



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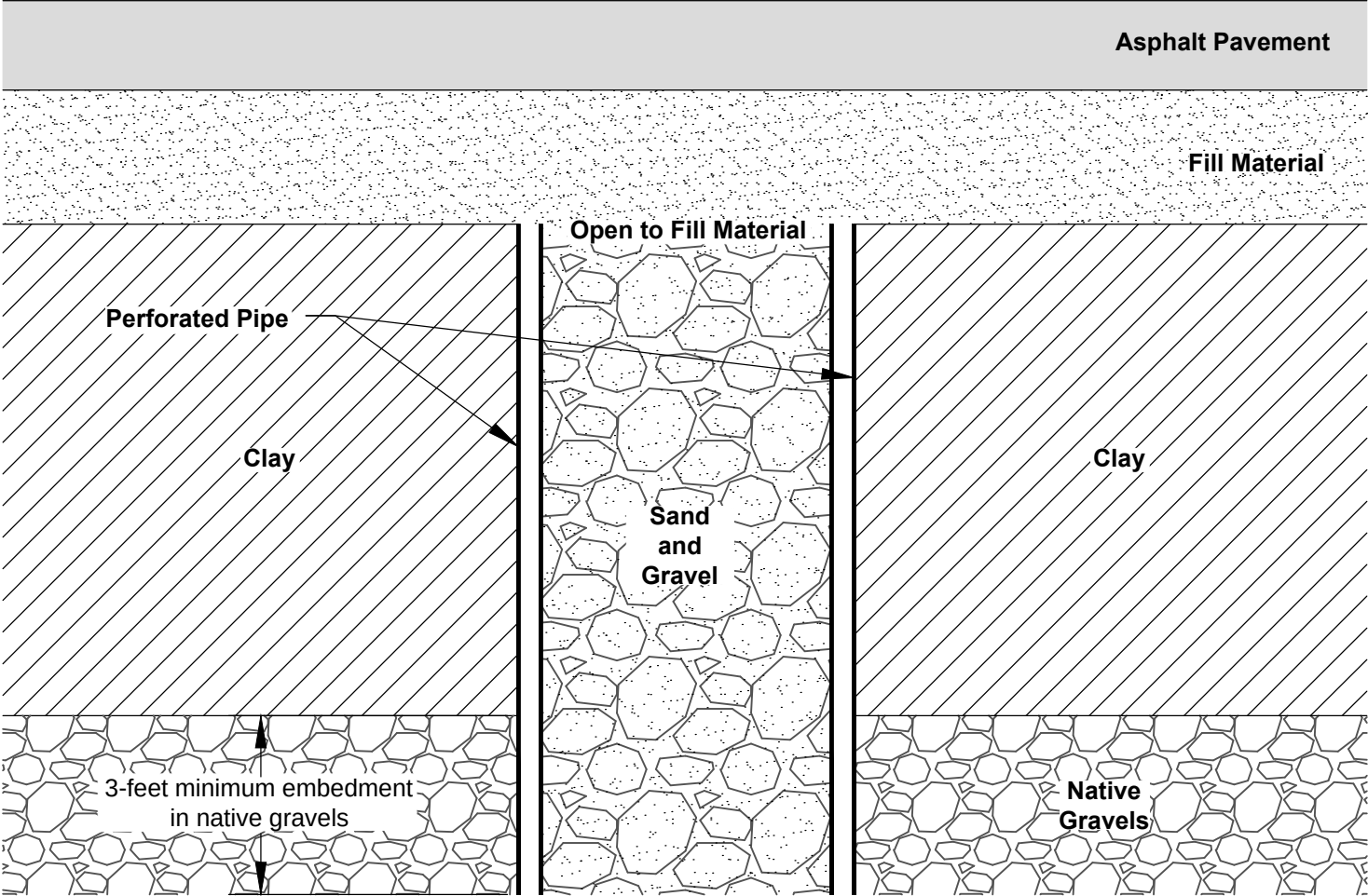
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CHECKED BY: SWR	DATE: 6/09/2016
DESIGNED FOR: City of Rifle	
PROJECT NUMBER: 216-197	
SCALE: 1"=100'	
	

PROJECT: Railroad Avenue Improvements
City of Rifle, Garfield County

**Approximate Test Hole
Location Map**

FIGURE
3

Railroad Avenue



Example Repair Drain Columns
Cross-Section View
Not to Scale



Yeh and Associates, Inc.
Consulting Engineers & Scientists

DRAWN BY: JRM	DATE: 8/11/2016
CHECKED BY: SWR	DATE: 8/11/2016
DESIGNED FOR: City of Rifle, Colorado	
PROJECT NUMBER: 216-197	
NOT TO SCALE	

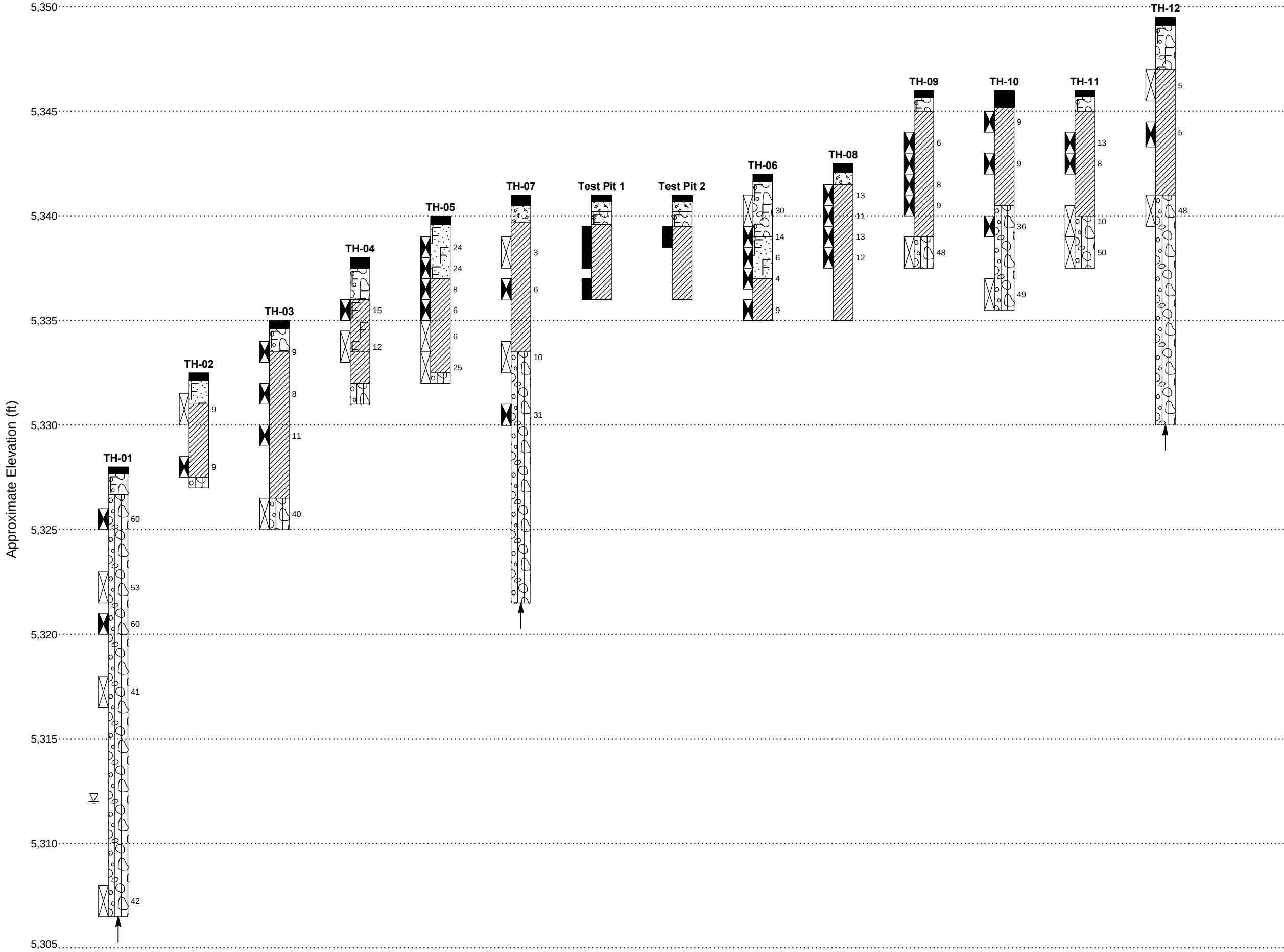
PROJECT: Railroad Avenue Improvements
City of Rifle, Garfield County

Repair Drain Columns
Cross-Section View

FIGURE
4

APPENDIX A
Test Hole Logs and Legend

FENCE 2015 - 11X17 - COMB. REF BLOWS ALL 216-197 RAILROAD AVENUE 6-14-16 REV.GPJ YEH ASSOCIATES PRACTICE A.GDT 2015 LIBRARY.GLB 6/15/16



LEGEND

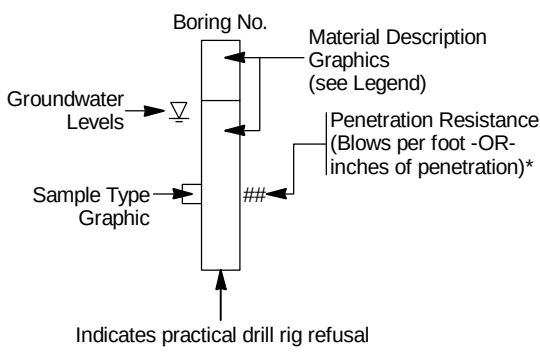
Soil Lithology

- ASPHALT, 4 to 9.5 inches thick
- CONCRETE, 7 to 9.5 inches thick.
- FILL GRAVEL, clayey, occasionally with sand, damp, medium dense, dark brown, roadbase.
- FILL SAND, with clay to clayey, with gravel to gravelly, damp to moist, loose to medium dense, low plasticity, occasional organics, dark brown (SC).
- FILL CLAY, with sand and gravel, damp, stiff, low plasticity, brown, reddish brown (CL).
- CLAY, occasionally with sand to sandy, occasionally with gravel, damp to moist, soft to stiff, low to medium plasticity, occasionally calcareous, brown, reddish brown (CL).
- GRAVEL, with silt to silty, with sand to sandy, dry to wet, medium dense to very dense, no plasticity, tan, brown to gray, rounded, subangular to angular (GM) (GP-GM).

Other Symbols

- Indicates Modified California sample
- Indicates split spoon sample
- Indicates hand drive sample
- Indicates depth to groundwater on May 10, 2016.

TYPICAL BOREHOLE LOG



LAB TESTING ABBREVIATIONS:
S/C - % Swell/Consolidation
S - % Water Soluble Sulfate
Chl - % Water Soluble Chloride
Re - ohm- cm Resistivity

NOTE:
Test hole elevations are approximate, obtained from Google Earth on 06/08/2016.

For additional information, refer to Geotechnical Report prepared by Yeh and Associates, Inc.

**Railroad Avenue Improvements
Rifle, Colorado**

**Project Number: 216-197
FIGURE A-1**

Yeh and Associates, Inc.
Consulting Engineers & Scientists



Boring Began: 5/11/2016
Boring Completed: 5/11/2016
Drilling Method(s): Mini-ex /
Hand Auger

Total Depth: 5.0 ft
Ground Elevation: 5341.0 ft
Coordinates: N: 1.0 E: 7.0
Location: 3' East of curb at 300-Block alley along SB Railroad

Weather Notes: Sunny, 50's
Inclination from Horiz.: Vertical

Night Work: ☐

Driller: Ave.
Drill Rig: N/A
Hammer Type: Logged By: S. Richards
Final By: J. Mulumba

Groundwater Levels: Not Observed

Symbol	-	-	-
Depth	-	-	-
Date	-	-	-

Elevation (feet)	Depth (feet)	Sample Type/ Advancement Method	Soil Samples		Lithology	Material Description	Moisture Content (%)	Dry Density (pcf)	Gravel Content (%)	Sand Content (%)	Fines Content (%)	Atterberg Limits		AASHTO & USCS Classifications	Field Notes and Other Lab Tests
			Blows per 6 in	Penetration Resistance								Liquid Limit	Plasticity Index		
5340						0.0 - 0.3 ft. Asphalt, 4 inches.									R-Value=16 S/C=0% S/C=0.1% S=0.006% Chl=0.0912% Re=323ohm-cm S/C=0.1%
						0.3 - 0.8 ft. Concrete Slab, 6 inches.	18.8		4	6	90	32	17	A-6 (15) CL	
						0.8 - 1.4 ft. clayey GRAVEL , dark brown, 7 inches, (Base).	19.0	104.0			92	27	13	A-6 (10) CL	
						1.4 - 5.0 ft. CLAY , CL, brown, low plasticity, moist.	22.0	100.0							
							24.7	93.0			92				
	5				Bottom of Hole at 5.0 ft.										
5335					Surface elevation is approximate, taken from Google Earth 06/08/2016.										
5330															
5325															
5320															



Boring Began: 5/11/2016
Boring Completed: 5/11/2016
Drilling Method(s): Mini-ex /
Hand Auger

Total Depth: 5.0 ft
Ground Elevation: 5341.0 ft
Coordinates: N: 1.0 E: 8.0
Location: 16.7' East of Pit 1

Weather Notes: Sunny, 50's
Inclination from Horiz.: Vertical

Night Work: ☐

Driller:

Drill Rig: N/A

Hammer Type:

Logged By: S. Richards

Final By: J. Mulumba

Groundwater Levels: Not Observed

Symbol	-	-	-
Depth	-	-	-
Date	-	-	-

Elevation (feet)	Depth (feet)	Sample Type/ Advancement Method	Soil Samples		Lithology	Material Description	Moisture Content (%)	Dry Density (pcf)	Gravel Content (%)	Sand Content (%)	Fines Content (%)	Atterberg Limits		AASHTO & USCS Classifi- cations	Field Notes and Other Lab Tests
			Blows per 6 in	Penetration Resistance								Liquid Limit	Plasticity Index		
5340	</														

BORING LOG 2015 216-197 RAILROAD AVENUE 6-15-16 REVJAM/SW/GPJ 2015 YEH ASSOCIATES TEMPLATE.GDT 2015 LIBRARY.GLB 6/15/16



Boring Began: 5/10/2016

Total Depth: 21.5 ft

Weather Notes: Partly cloudy, 40's

Boring Completed: 5/10/2016

Ground Elevation: 5328.0 ft

Inclination from Horiz.: Vertical

Drilling Method(s): Solid-Stem Auger (4" OD)

Coordinates: N: 1.0 E: 1.0

Driller: Scott

Location: Middle of turn lane at W. 2nd St & Railroad Ave.

Night Work: ☐

Drill Rig: Simco 2800

Hammer Type: Automatic (hydraulic)

Logged By: J. Mulumba

Final By: J. Mulumba

Groundwater Levels:

Symbol	Depth	Date		
▽	16.0 ft	5/10/16	-	-

Elevation (feet)	Depth (feet)	Sample Type/ Advancement Method	Rock		Soil Samples		Lithology	Material Description	Moisture Content (%)	Dry Density (pcf)	Gravel Content (%)	Sand Content (%)	Fines Content (%)	Atterberg Limits		AASHTO & USCS Classifications	Field Notes and Other Lab Tests
			Recovery (%)	RQD (%)	Blows per 6 in	Penetration Resistance								Liquid Limit	Plasticity Index		
								0.0 - 0.3 ft. Asphalt, 4 inches.									
								0.3 - 1.3 ft. GRAVEL, dark brown, 12 inches, (Base).									
								1.3 - 21.5 ft. silty GRAVEL sandy, GM, brown to gray, no plasticity, dry to wet, dense to very dense, rounded.									
5325					28-32	60			3.2	118.0	58	29	13				
	5		67		22-25-28	53											pH=8 S=0.046% Chi=0.0054% Re=1531ohm-cm
5320					23-37	60			2.6	134.0	42	41	17	NV	NP	A-1-b (0) GM	5.0 ft - Slow drilling in gravel
	10		17		10-20-21	41											10.0 ft - Streaks of orange, cobbles
5315																	12.0 ft - Slow drilling, grinding
	15																15.0 ft - Cobbles, scratching/grinding, stop to reset drill
5310																	16.8 ft - Insert piezometer, finish with concrete and MH cover
	20		47		5-20-22	42			10.0		48	38	14				
								Bottom of Hole at 21.5 ft.									21.5 ft - Drilling refusal at 21.5 feet.
5305								Surface elevation is approximate, taken from Google Earth 06/08/2016.									



Boring Began: 5/11/2016

Total Depth: 5.5 ft

Weather Notes: Sunny, 60's

Boring Completed: 5/11/2016

Ground Elevation: 5332.5 ft

Inclination from Horiz.: Vertical

Drilling Method(s): Solid-Stem Auger (4" OD)

Coordinates: N: 1.0 E: 2.0

Driller: Scott

Location: North of 200-Block alley, along Southbound lane of

Night Work: ☐

Drill Rig: Simco 2800

Railroad Ave.

Groundwater Levels: Not Observed

Hammer Type: Automatic (hydraulic)

Logged By: J. Mulumba

Final By: J. Mulumba

Symbol	-	-	-
Depth	-	-	-
Date	-	-	-

Elevation (feet)	Depth (feet)	Sample Type/ Advancement Method	Rock		Soil Samples		Lithology	Material Description	Moisture Content (%)	Dry Density (pcf)	Gravel Content (%)	Sand Content (%)	Fines Content (%)	Atterberg Limits		AASHTO & USCS Classifi- cations	Field Notes and Other Lab Tests
			Recovery (%)	RQD (%)	Blows per 6 in	Penetration Resistance								Liquid Limit	Plasticity Index		
								0.0 - 0.4 ft. Asphalt, 4.5 inches.									
5330			53		6-4-5	9		0.4 - 1.5 ft. clayey SAND with gravel, SC, low plasticity, damp, loose, organics, twig (Fill), (fill).	3.5		22	62	16	28	14	A-2-6 (0) SC	1.0 ft - Wood, twig, found in sample
								1.5 - 5.0 ft. sandy CLAY, dark brown, damp to moist, stiff.									
	5				3-6	9			16.4	106.0			64				S/C=0.2%
								5.0 - 5.5 ft. silty GRAVEL, gray, damp.									5.5 ft - Insert piezometer, finish with concrete and MH cover
								Bottom of Hole at 5.5 ft.									
5325								Surface elevation is approximate, taken from Google Earth 06/08/2016.									
5320																	
5315																	
5310																	

BORING LOG 2015 216-197 RAILROAD AVENUE 6-15-16 REVJ.M./SW/GPJ 2015 YEH ASSOCIATES TEMPLATE.GDT 2015 LIBRARY.GLB 6/15/16



Boring Began: 5/11/2016

Total Depth: 10.0 ft

Weather Notes: Cloudy, 60's

Boring Completed: 5/11/2016

Ground Elevation: 5335.0 ft

Inclination from Horiz.: Vertical

Drilling Method(s): Solid-Stem Auger (4" OD)

Coordinates: N: 1.0 E: 3.0

Driller: Scott

Location: 10' SW of intersection of 3rd St. and Railroad Ave.

Night Work: ☐

Drill Rig: Simco 2800

Hammer Type: Automatic (hydraulic)

Logged By: J. Mulumba

Final By: J. Mulumba

Groundwater Levels: Not Observed

Symbol	-	-	-
Depth	-	-	-
Date	-	-	-

Elevation (feet)	Depth (feet)	Sample Type/ Advancement Method	Rock		Soil Samples		Lithology	Material Description	Moisture Content (%)	Dry Density (pcf)	Gravel Content (%)	Sand Content (%)	Fines Content (%)	Atterberg Limits		AASHTO & USCS Classifi- cations	Field Notes and Other Lab Tests
			Recovery (%)	RQD (%)	Blows per 6 in	Penetration Resistance								Liquid Limit	Plasticity Index		
								0.0 - 0.4 ft. Asphalt, 4.5 inches.									
					6-3	9		0.4 - 1.5 ft. clayey GRAVEL with sand, dark brown, (fill).	3.6	119.0			39				
					3-5	8		1.5 - 8.5 ft. CLAY, CL, brown to reddish brown, medium plasticity, damp to moist, medium stiff to stiff, occasionally calcareous.	20.0	104.0			91	34	17	A-6 (15) CL	S/C=0%
5330	5				4-7	11											5.0 ft - White streaking
								8.5 - 10.0 ft. sandy GRAVEL with silt, GP-GM, brown to gray, moist, dense.	3.1		54	36	10	NV	NP	A-1-a (0) GP-GM	8.3 ft - Insert piezometer, finish with concrete and MH cover
5325	10		60		14-20-20	40											
Bottom of Hole at 10.0 ft.																	
Surface elevation is approximate, taken from Google Earth 06/08/2016.																	
5320																	
5315																	



Boring Began: 5/11/2016

Total Depth: 7.0 ft

Weather Notes: Cloudy, 60's

Boring Completed: 5/11/2016

Ground Elevation: 5338.0 ft

Inclination from Horiz.: Vertical

Drilling Method(s): Solid-Stem Auger (4" OD)

Coordinates: N: 1.0 E: 4.0

Driller: Scott

Location: 10' NW of intersection of 3rd St. and Railroad Ave.

Night Work: ☐

Drill Rig: Simco 2800

Hammer Type: Automatic (hydraulic)

Logged By: J. Mulumba

Final By: J. Mulumba

Groundwater Levels: Not Observed

Symbol	-	-	-
Depth	-	-	-
Date	-	-	-

Elevation (feet)	Depth (feet)	Sample Type/ Advancement Method	Rock		Soil Samples		Lithology	Material Description	Moisture Content (%)	Dry Density (pcf)	Gravel Content (%)	Sand Content (%)	Fines Content (%)	Atterberg Limits		AASHTO & USCS Classifi- cations	Field Notes and Other Lab Tests
			Recovery (%)	RQD (%)	Blows per 6 in	Penetration Resistance								Liquid Limit	Plasticity Index		
5335	5				5-10	15		0.0 - 0.5 ft. Asphalt, 6 inches.	18.1	109.0	1	17	82	29	13	A-6 (7) CL	S/C=0%
								0.5 - 2.0 ft. clayey GRAVEL with sand, dark brown, damp, (Base).									
								2.0 - 4.5 ft. CLAY with sand and gravel, CL, brown with reddish brown, low plasticity, damp, stiff, (fill).									
								4.5 - 6.0 ft. CLAY with sand, brown with reddish brown, low plasticity, moist, stiff.									
								6.0 - 7.0 ft. sandy GRAVEL with silt, gray, damp, dense.									
5330								Bottom of Hole at 7.0 ft.									
								Surface elevation is approximate, taken from Google Earth 06/08/2016.									
5325																	
5320																	
5315																	



Boring Began: 5/11/2016

Total Depth: 8.0 ft

Weather Notes: Sunny, 50's

Boring Completed: 5/11/2016

Ground Elevation: 5340.0 ft

Inclination from Horiz.: Vertical

Drilling Method(s): Solid-Stem Auger (4" OD)

Coordinates: N: 1.0 E: 5.0

Driller: Scott

Location: 30' south of 300-Block alley, along southbound Railroad Ave. Night Work: ☐

Drill Rig: Simco 2800

Ave.

Groundwater Levels: Not Observed

Hammer Type: Automatic (hydraulic)

Logged By: J. Mulumba

Final By: J. Mulumba

Symbol	-	-	-
Depth	-	-	-
Date	-	-	-

BORING LOG 2015 216-197 RAILROAD AVENUE 6-15-16 REVJ.M./SW/GPJ 2015 YEH ASSOCIATES TEMPLATE.GDT 2015 LIBRARY.GLB 6/15/16

Elevation (feet)	Depth (feet)	Sample Type/ Advancement Method	Rock		Soil Samples		Lithology	Material Description	Moisture Content (%)	Dry Density (pcf)	Gravel Content (%)	Sand Content (%)	Fines Content (%)	Atterberg Limits		AASHTO & USCS Classifications	Field Notes and Other Lab Tests
			Recovery (%)	RQD (%)	Blows per 6 in	Penetration Resistance								Liquid Limit	Plasticity Index		
5335	5							0.0 - 0.4 ft. Asphalt, 5 inches.									
					10-14	24		0.4 - 3.0 ft. gravelly SAND with clay, dark brown, moist, medium dense, (fill).	3.2	116.0	43	47	10				
					14-10	24			4.3	113.0							
					6-2	8		3.0 - 7.5 ft. CLAY with sand, few gravels, reddish brown, moist, medium stiff.	14.4	109.0							S/C=0.1%
					2-4	6			14.9	110.0							S/C=0%
			7		4-3-3	6											
5330			87		2-8-17	25		7.5 - 8.0 ft. sandy GRAVEL, gray, damp, medium dense, angular.									pH=7.8 S=0.008% Chl=0.053% Re=607ohm-cm 7.2 ft - Insert piezometer, finish with concrete and MH cover
5325																	
5320																	

Bottom of Hole at 8.0 ft.

Surface elevation is approximate, taken from Google Earth 06/08/2016.

Boring Began: 5/11/2016

Total Depth: 7.0 ft

Weather Notes: Sunny, 50's

Boring Completed: 5/11/2016

Ground Elevation: 5342.0 ft

Inclination from Horiz.: Vertical

Drilling Method(s): Solid-Stem Auger (4" OD)

Coordinates: N: 1.0 E: 9.0

Driller: Scott

Location: Southbound lane of Railroad Ave, approx. halfway

Night Work: ☐

Drill Rig: Simco 2800

between 300-Block alley and 4th St.

Hammer Type: Automatic (hydraulic)

Logged By: J. Mulumba

Final By: J. Mulumba

Groundwater Levels: Not Observed

Symbol
Depth
Date

-	-	-
-	-	-

Elevation (feet)	Depth (feet)	Sample Type/ Advancement Method	Rock		Soil Samples		Lithology	Material Description	Moisture Content (%)	Dry Density (pcf)	Fines Content (%)	Atterberg Limits		AASHTO & USCS Classifi- cations	Field Notes and Other Lab Tests
			Recovery (%)	RQD (%)	Blows per 6 in	Penetration Resistance						Liquid Limit	Plasticity Index		
5340	5							0.0 - 0.4 ft. Asphalt, 4.5 inches.						A-6 (6) CL	pH=8.4 S=0.009% ChI=0.0065% Re=2237ohm·cm S/C=0.1% S/C=0% S/C=0% 6.7 ft - Insert piezometer, finish with concrete and MH cover
			67		17-18-12	30		0.4 - 3.0 ft. clayey GRAVEL with sand, brown, damp, medium dense, (fill).							
					8-6	14		3.0 - 5.0 ft. clayey SAND with gravel, brown to reddish brown, damp to moist, loose, (fill).	2.2	117.0	9				
					3-3	6									
					2-2	4		5.0 - 7.0 ft. CLAY with gravel, CL, reddish brown, low plasticity, moist, medium stiff.	6.4 18.0	101.0 103.0	30 81				
					3-6	9			16.8	108.0	77				
5335	Bottom of Hole at 7.0 ft.														
Surface elevation is approximate, taken from Google Earth 06/08/2016.															
5330															
5325															
5320															

Boring Began: 5/10/2016

Total Depth: 19.5 ft

Weather Notes: Sunny, 50's

Boring Completed: 5/10/2016

Ground Elevation: 5341.0 ft

Inclination from Horiz.: Vertical

Drilling Method(s): Solid-Stem Auger (4" OD)

Coordinates: N: 1.0 E: 6.0

Driller: Scott

Location: Northbound lane of Railroad Ave, 10' south of

Night Work: ☐

Drill Rig: Simco 2800

300'Block alley

Hammer Type: Automatic (hydraulic)

Logged By: J. Mulumba

Final By: J. Mulumba

Groundwater Levels: Not Observed

Depth
Date

-

—

:

Elevation (feet)	Depth (feet)	Sample Type/ Advancement Method	Rock		Soil Samples		Lithology	Material Description	Moisture Content (%)	Dry Density (pcf)	Gravel Content (%)	Sand Content (%)	Fines Content (%)	Atterberg Limits		AASHTO & USCS Classifi- cations	Field Notes and Other Lab Tests	
			Recovery (%)	RQD (%)	Blows per 6 in	Penetration Resistance								Liquid Limit	Plasticity Index			
5340	5							0.0 - 0.5 ft. Asphalt, 6 inches.									0.5 ft - 9 to 12 inch concrete slab under asphalt	
			27		1-1-2	3		0.5 - 1.3 ft. Concrete slab, 9.5 inches.										
					3-3	6		1.3 - 7.5 ft. CLAY with sand, CL, brown to reddish brown, low plasticity, moist, soft to medium stiff.	13.5	112.0	7	29	64	24	10	A-4 (3) CL		S/C=0%
5335	10							7.5 - 19.5 ft. sandy GRAVEL with silt, GP-GM, brown and gray, damp to moist, medium dense to dense.									12.0 ft - 3' slow drilling and grinding	
			20		6-5-5	10												
					12-19	31				2.7	122.0	61	33	6	NV	NP		A-1-a (0) GP-GM
5330	15																16.0 ft - Dense gravels and cobbles	
																		
																		
5325																	19.5 ft - Drilling refusal at 19.5 feet. Backfill and finish with cold patch asphalt.	
																		
																		
5320			Bottom of Hole at 19.5 ft.															
			Surface elevation is approximate, taken from Google Earth 06/08/2016.															



Railroad Avenue Improvements

PAGE
1 of 1

Boring No.: **TH-08**

Weather Notes: Sunny, 60's
Inclination from Horiz.: Vertical

Coordinates: N: 1.0 E: 10.0

Location: Middle of turn lane on Railroad Avenue, 20' south of 4th Night Work: ☐

St. intersection

Logged By: J. Mulumba

Final By: J. Mulumba

Groundwater Levels: Not Observed

Symbol	Depth	Date
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Elevation (feet)	Depth (feet)	Sample Type/ Advancement Method	Soil Samples		Lithology	Material Description	Moisture Content (%)	Dry Density (pcf)	Fines Content (%)	Atterberg Limits		AASHTO & USCS Classifi- cations	Field Notes and Other Lab Tests
			Blows per 6 in	Penetration Resistance						Liquid Limit	Plasticity Index		
5340	5					0.0 - 0.4 ft. Asphalt, 5 inches.							S/C=0.5%
						0.4 - 1.0 ft. Concrete slab, 7 inches.							
			7-6	13		1.0 - 7.5 ft. CLAY, CL, reddish brown, medium plasticity, damp to moist, stiff.	16.0	108.0	98	37	20	A-6 (20) CL	
			5-6	11									
			5-8	13									
			5-7	12		17.6	108.0	94				S/C=0.2%	
5335													
Bottom of Hole at 7.5 ft.													
Surface elevation is approximate, taken from Google Earth 06/08/2016.													7.3 ft - Insert piezometer, finish with concrete and MH cover

Boring Began: 5/11/2016

Total Depth: 8.5 ft

Weather Notes: Cloudy, 70's

Boring Completed: 5/11/2016

Ground Elevation: 5346.0 ft

Inclination from Horiz.: Vertical

Drilling Method(s): Solid-Stem Auger (4" OD)

Coordinates: N: 1.0 E: 11.0

Driller: Scott

Location: 12' NE of intersection 4th St. and Railroad Ave.

Night Work: ☐

Drill Rig: Simco 2800

Logged By: J. Mulumba

Hammer Type: Automatic (hydraulic)

Final By: J. Mulumba

Groundwater Levels: Not Observed

Symbol
Depth
Date

—

Elevation (feet)	Depth (feet)	Sample Type/ Advancement Method	Rock		Soil Samples		Lithology	Material Description	Moisture Content (%)	Dry Density (pcf)	Fines Content (%)	Atterberg Limits		AASHTO & USCS Classifi- cations	Field Notes and Other Lab Tests	
			Recovery (%)	RQD (%)	Blows per 6 in	Penetration Resistance						Liquid Limit	Plasticity Index			
5345	5							0.0 - 0.3 ft. Asphalt, 4 inches. 0.3 - 1.0 ft. clayey GRAVEL with sand, dark brown, 8 inches, (Base). 1.0 - 7.0 ft. CLAY , CL, reddish brown, medium plasticity, moist, medium stiff to stiff.							S/C=0%	
					2-4	6			21.4	101.0	98	37	20	A-6 (20) CL		
																
					3-5	8			17.1							
					3-6	9			16.5							
5340																
			73		16-22-26	48		7.0 - 8.5 ft. sandy GRAVEL with silt, tan to brown gray, damp, dense.	3.5							
Bottom of Hole at 8.5 ft.															8.5 ft - Stop drilling. Backfill and finish with concrete.	
Surface elevation is approximate, taken from Google Earth 06/08/2016.																
5335																
5330																
5325																



Boring Began: 5/10/2016

Total Depth: 10.5 ft

Weather Notes: Sunny, 60's

Boring Completed: 5/10/2016

Ground Elevation: 5346.0 ft

Inclination from Horiz.: Vertical

Drilling Method(s): Solid-Stem Auger (4" OD)

Coordinates: N: 1.0 E: 12.0

Driller: Scott

Location: Northbound Railroad Ave., 20' north of 4th St.

Night Work: ☐

Drill Rig: Simco 2800

intersection

Groundwater Levels: Not Observed

Hammer Type: Automatic (hydraulic)

Logged By: J. Mulumba

Final By: J. Mulumba

Symbol	-	-	-
Depth	-	-	-
Date	-	-	-

Elevation (feet)	Depth (feet)	Sample Type/ Advancement Method	Soil Samples		Lithology	Material Description	Moisture Content (%)	Dry Density (pcf)	Gravel Content (%)	Sand Content (%)	Fines Content (%)	Atterberg Limits		AASHTO & USCS Classifi- cations	Field Notes and Other Lab Tests
			Blows per 6 in	Penetration Resistance								Liquid Limit	Plasticity Index		
						0.0 - 0.8 ft. Asphalt, 9.5 inches.									
5345			4-5	9		0.8 - 5.5 ft. CLAY with sand, CL, reddish brown, medium plasticity, moist, stiff.	19.4	106.0			99				S/C=1.7% 1.0 ft - Orange streaks
			4-5	9			17.5	107.0			83	33	17	A-6 (13) CL	S/C=0.1%
5340	5		6-30	36		5.5 - 10.5 ft. silty GRAVEL with sand, gray to light brown, damp to moist, dense.	13.2	147.0	50	36	14				6.3 ft - Insert piezometer, finish with concrete and MH cover 7.0 ft - Grinding
			23-24-25	49											
5335	10					Bottom of Hole at 10.5 ft.									10.5 ft - Stop drilling.
						Surface elevation is approximate, taken from Google Earth 06/08/2016.									
5330															
5325															



Boring Began: 5/11/2016

Total Depth: 8.5 ft

Weather Notes: Sunny, 70's

Boring Completed: 5/11/2016

Ground Elevation: 5346.0 ft

Inclination from Horiz.: Vertical

Drilling Method(s): Solid-Stem Auger (4" OD)

Coordinates: N: 1.0 E: 13.0

Driller: Scott

Location: Southbound Railroad Ave, 15' south of 400-Block alley Night Work: ☐

Drill Rig: Simco 2800

Hammer Type: Automatic (hydraulic)

Logged By: J. Mulumba

Final By: J. Mulumba

Groundwater Levels: Not Observed

Symbol	-	-	-
Depth	-	-	-
Date	-	-	-

Elevation (feet)	Depth (feet)	Sample Type/ Advancement Method	Rock		Soil Samples		Lithology	Material Description	Moisture Content (%)	Dry Density (pcf)	Gravel Content (%)	Sand Content (%)	Fines Content (%)	Atterberg Limits		AASHTO & USCS Classifi- cations	Field Notes and Other Lab Tests
			Recovery (%)	RQD (%)	Blows per 6 in	Penetration Resistance								Liquid Limit	Plasticity Index		
5345								0.0 - 0.3 ft. Asphalt, 3.5 inches.									
					5-8	13		0.3 - 1.0 ft. clayey GRAVEL with sand, dark brown, 8.5 inches, (fill).									
					4-4	8		1.0 - 6.0 ft. CLAY with sand, brown, damp to moist, medium stiff to stiff.									
5340	5																
			53		2-2-8	10		6.0 - 8.5 ft. silty GRAVEL with sand, gray to dark gray, damp, dense to very dense, subangular.	5.2		43	32	25				pH=7.9 S=0.272% Chl=0.0747% Re=326ohm-cm 6.8 ft - Insert piezometer, finish with concrete and MH cover
			87		17-22-28	50											
Bottom of Hole at 8.5 ft.																	
Surface elevation is approximate, taken from Google Earth 06/08/2016.																	
5335																	
5330																	
5325																	



Boring Began: 5/10/2016

Total Depth: 19.5 ft

Weather Notes: Sunny, 60's

Boring Completed: 5/10/2016

Ground Elevation: 5349.5 ft

Inclination from Horiz.: Vertical

Drilling Method(s): Solid-Stem Auger (4" OD)

Coordinates: N: 1.0 E: 14.0

Driller: Scott

Location: 15' SE intersection Railroad Ave and 5th St.

Night Work: ☐

Drill Rig: Simco 2800

Logged By: J. Mulumba

Final By: J. Mulumba

Groundwater Levels: Not Observed

Symbol	-	-	-
Depth	-	-	-
Date	-	-	-

Elevation (feet)	Depth (feet)	Sample Type/ Advancement Method	Rock		Soil Samples		Lithology	Material Description	Moisture Content (%)	Dry Density (pcf)	Gravel Content (%)	Sand Content (%)	Fines Content (%)	Atterberg Limits		AASHTO & USCS Classifi- cations	Field Notes and Other Lab Tests
			Recovery (%)	RQD (%)	Blows per 6 in	Penetration Resistance								Liquid Limit	Plasticity Index		
								0.0 - 0.4 ft. Asphalt, 4.5 inches.									
								0.4 - 2.5 ft. clayey GRAVEL with sand, dark brown, 25.5 inches, (fill).									
			47		2-2-3	5		2.5 - 8.5 ft. sandy CLAY, brown, low plasticity, moist, medium stiff.									pH=8.1 S=0.005% Chl=0.0183% Re=943ohm-cm
5345	5				2-3	5			11.2	113.0			52				S/C=0%
5340	10		67		25-24-24	48		8.5 - 19.5 ft. sandy GRAVEL with silt, gray to light brown, damp, dense to very dense.	2.9		54	35	11				10.0 ft - Large rocks; grinding at 1.5 feet
5335	15																15.7 ft - Insert piezometer, finish with concrete and MH cover
5330																	19.5 ft - Bouncing on gravels. Drill rig refusal.
								Bottom of Hole at 19.5 ft.									
								Surface elevation is approximate, taken from Google Earth 06/08/2016.									
5325																	

BORING LOG 2015 216-197 RAILROAD AVENUE 6-15-16 REVJ.M./SW/GPJ 2015 YEH ASSOCIATES TEMPLATE.GDT 2015 LIBRARY.GLB 6/15/16

APPENDIX B
Laboratory Test Results



YEH & ASSOCIATES, INC

Summary of Laboratory Test Results

Project No: 216-197

Project Name: Railroad Avenue Improvements

Sample Location			Moisture Content (%)	Percent Saturate d (%)	Dry Density (pcf)	Grain Size Analysis			Atterberg Limits			Water Soluble Sulfate (%)	Water Soluble Chloride (%)	Resistivi (ohm-in)	pH	Swell-Consolidation %	R-Value	AASHTO	USCS	Material Description
Test Hole	Depth (ft)	Sample Type				Grave l > #4 (%)	Sand (%)	Fines < #200	LL	PL	PI									
Test Pit 1	1 to 3	Bulk	18.8			4	6	90	32	15	17						16	A-6 (15)	CL	CLAY
	1.5	HD	19.0	91.8	104			92	27	14	13					0.0		A-6 (10)	CL	CLAY
	2.5	HD	22.0	100.0	100											-0.1				CLAY
	3	Bulk										0.006	0.0912	323	7.8					CLAY
	4	HD	24.7	98.8	93			92								-0.1				CLAY
Test Pit 2	1.5	HD	13.7	66.2		27	22	51	25	14	11							A-6 (2)	CL	CLAY with sand and gravel
TH-1	2	CA	3.2		118	58	29	13												GRAVEL, silty with sand
	5	SS										0.046	0.0054	1531	8.0					GRAVEL, silty with sand
	7	CA	2.6		134	42	41	17	NV	NP	NP							A-1-b	GM	GRAVEL, silty, sandy
	20	SS	10.0			48	38	14												GRAVEL, silty, sandy
TH-2	1	SS	3.5			22	62	16	28	14	14							A-2-6 (0)	SC	FILL SAND, clayey with gravel
	4	CA	16.4	83.7	106			64								-0.2				CLAY, sandy
TH-3	1	CA	3.6		119			39												FILL GRAVEL, clayey with sand
	3	CA	20.0	85.5	104			91	34	17	17					0.0		A-6 (15)	CL	CLAY
	8.5	SS	3.1			54	36	10	NV	NP	NP							A-1-a (0)	GP-GM	GRAVEL, sandy with silt

HD - Indicates hand drive sampler.

CA - Indicates modified California sampler.

SS - Indicates split spoon sampler.

NV - Indicates no value.

NP - Indicates non-plastic.



YEH & ASSOCIATES, INC

Summary of Laboratory Test Results

Project No: 216-197

Project Name: Railroad Avenue Improvements

Sample Location			Moisture Content (%)	Percent Saturate d (%)	Dry Density (pcf)	Grain Size Analysis			Atterberg Limits			Water Soluble Sulfate (%)	Water Soluble Chloride (%)	Resistivity (ohm-in)	pH	Swell-Consolidation %	R-Value	AASHTO	USCS	Material Description
Test Hole	Depth (ft)	Sample Type				Grave l > #4 (%)	Sand (%)	Fines < #200	LL	PL	PI									
TH-4	2	CA	18.1	95.8	109			73	29	16	13					0.0		A-6 (7)	CL	FILL CLAY , with sand and gravel
	3.5	SS	12.2			28	26	46												FILL CLAY with sand and gravel
	4	SS	16.8	88.9		1	17	82												FILL CLAY with sand
TH-5	1	CA	3.2		116	43	47	10												FILL SAND, gravelly with clay
	2	CA	4.3		113															FILL SAND, gravelly with clay
	3	CA	14.4	70.2	109											-0.1				CLAY , with sand
	4.5	CA	14.9	62.6	110											0.0				CLAY with sand
	7	SS										0.008	0.0530	607	7.8					CLAY with sand
TH-6	2.5	CA	2.2		117			9												FILL GRAVEL with sand
	3.5	CA										0.009	0.0065	2237	8.4					FILL SAND, clayey with gravel
	4.5	CA	6.4		101			30								-0.1				FILL SAND, clayey with gravel
	5	CA	18.0	94.2	103			81								0.0				CLAY with sand
	6	CA	16.8	100.0	108			77	27	16	11					0.0		A-6 (6)	CL	CLAY with sand
TH-7	4	CA	13.5	98.5	112	7	29	64	24	14	10					0.0		A-4 (3)	CL	CLAY with sand
	10	CA	2.7		122	61	33	6	NV	NP	NP							A-1-a (0)	GP-GM	GRAVEL, sandy with silt

HD - Indicates hand drive sampler.

CA - Indicates modified California sampler.

SS - Indicates split spoon sampler.

NV - Indicates no value.

NP - Indicates non-plastic.



YEH & ASSOCIATES, INC

Summary of Laboratory Test Results

Project No: 216-197

Project Name: Railroad Avenue Improvements

Sample Location			Moisture Content (%)	Percent Saturate d (%)	Dry Density (pcf)	Grain Size Analysis			Atterberg Limits			Water Soluble Sulfate (%)	Water Soluble Chloride (%)	Resistivity (ohm-in)	pH	Swell-Consolidation %	R-Value	AASHTO	USCS	Material Description
Test Hole	Depth (ft)	Sample Type				Grave l > #4 (%)	Sand (%)	Fines < #200 (%)	LL	PL	PI									
TH-8	2	CA	16.0	80.0	108			98	37	17	20					0.5		A-6 (20)	CL	CLAY
	4	CA	17.6	88.0	108			94								0.2				CLAY
TH-9	2	CA	21.4	79.3	101			98	37	17	20					0.0		A-6 (20)	CL	CLAY
	4	CA	17.1	85.5																CLAY
	5	CA	16.5	82.5																CLAY
	7	SS	3.5																	GRAVEL, sandy with silt
TH-10	1	CA	19.4	92.4	106			99								1.7				CLAY
	3	CA	17.5	87.5	107			83	33	16	17					0.1		A-6 (13)	CL	CLAY with sand
	6	CA	13.2		147	50	36	14												GRAVEL, silty, sandy
TH-11	5.5	SS										0.272	0.0747	326	7.9					CLAY with sand
	7	SS	5.2			43	32	25												GRAVEL silty, sandy
TH-12	2.5	SS										0.005	0.0183	943	8.1					CLAY, sandy
	5	CA	11.2	86.2	113			52								0.0				CLAY, sandy
	8.5	SS	2.9			54	35	11												GRAVEL, sandy with silt

HD - Indicates hand drive sampler.

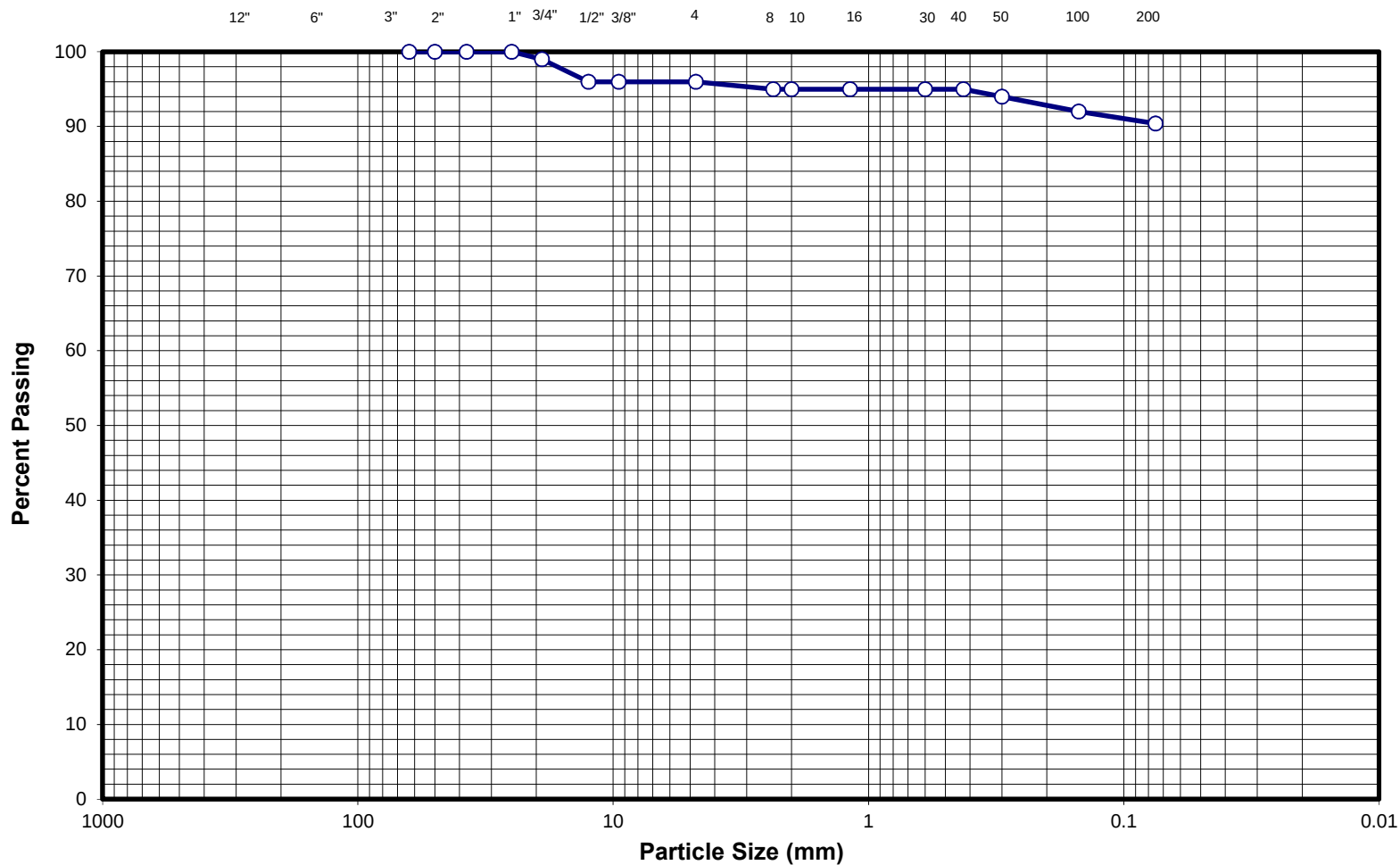
CA - Indicates modified California sampler.

SS - Indicates split spoon sampler.

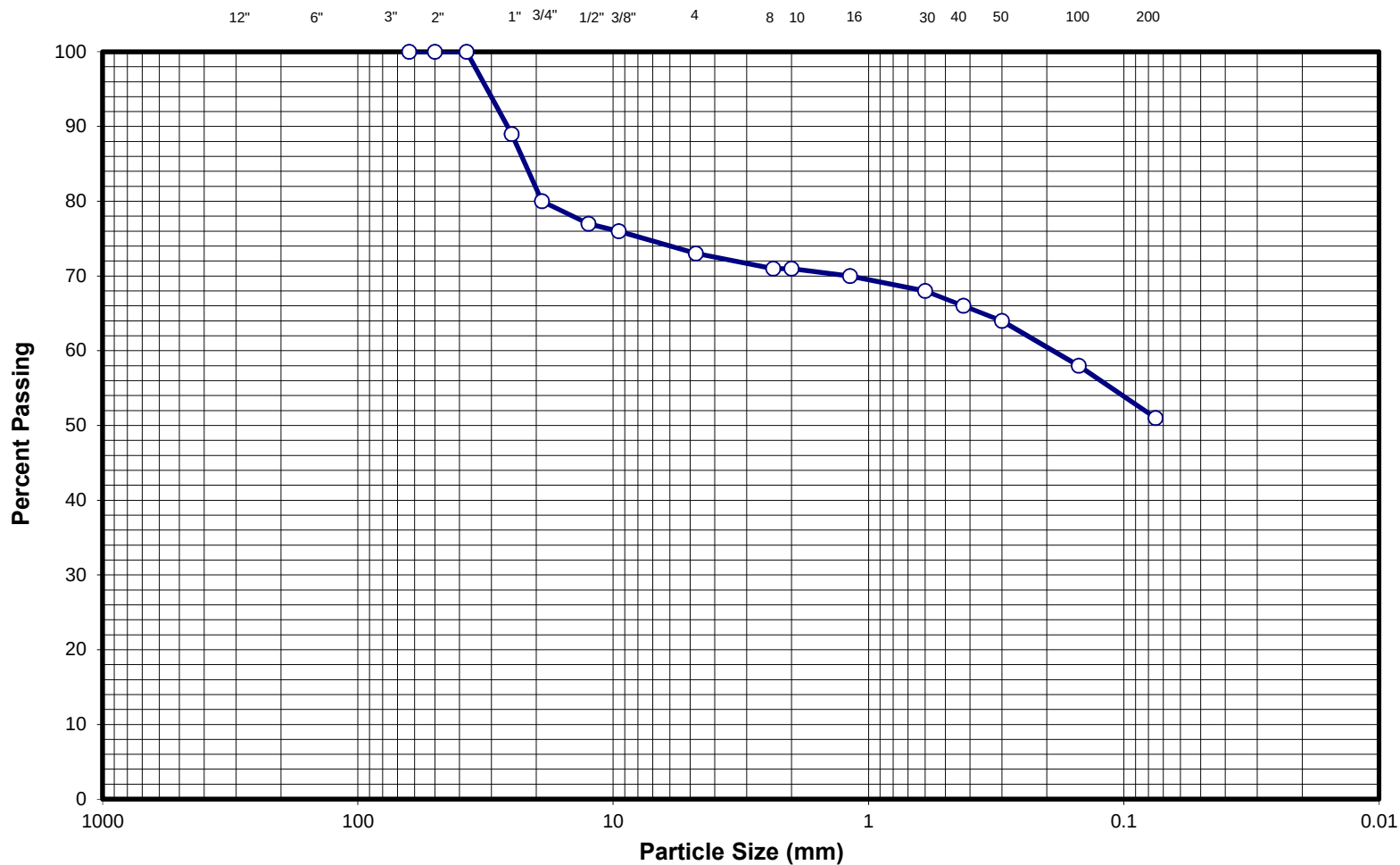
NV - Indicates no value.

NP - Indicates non-plastic.

Sieve Analysis		Hydrometer Analysis
Sieve Opening in Inches	U.S. Standard Sieves	Size of Particles in mm



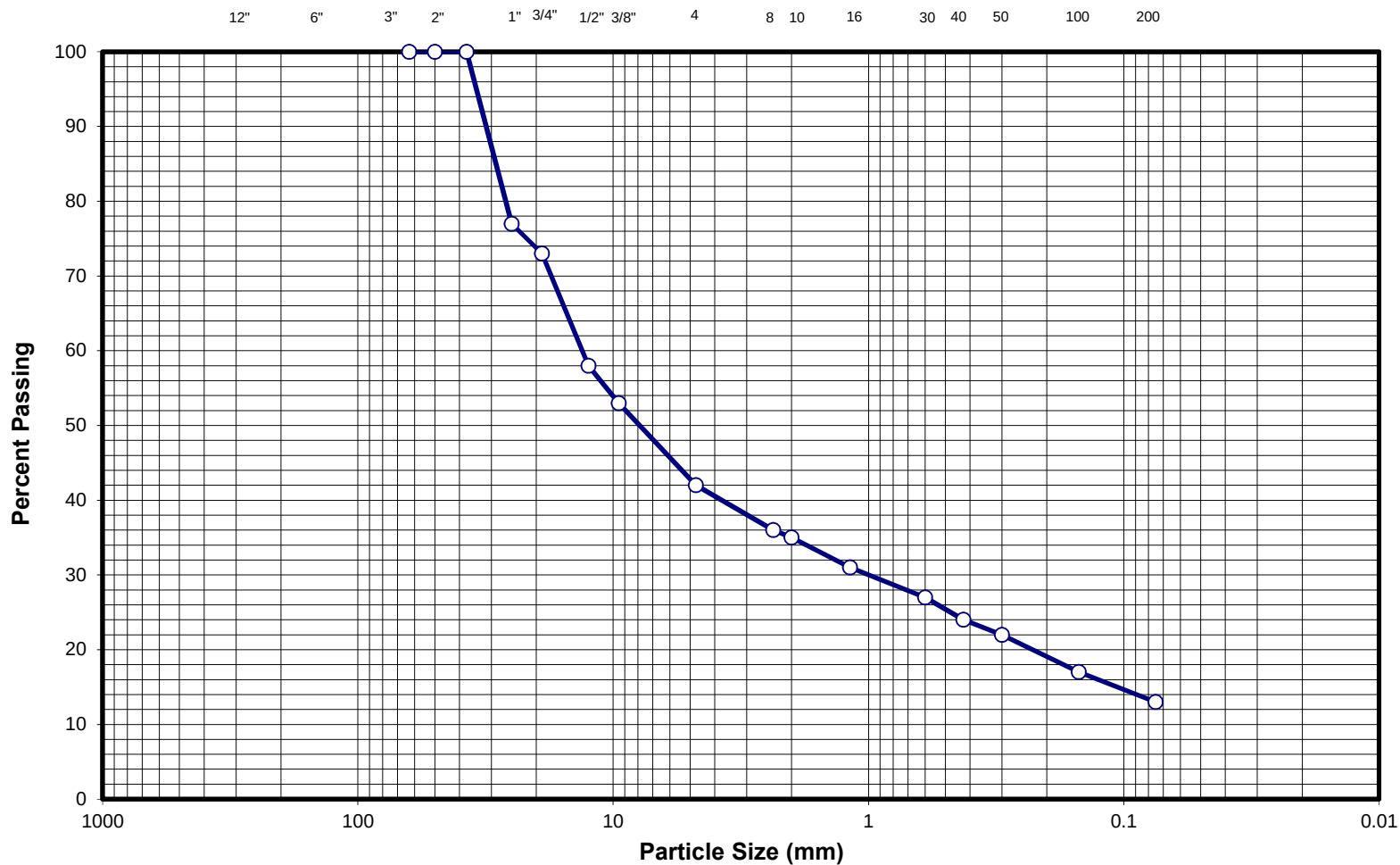
Sieve Analysis		Hydrometer Analysis
Sieve Opening in Inches	U.S. Standard Sieves	Size of Particles in mm



Sieve Size	% Passing
3"	-
2 1/2"	100
2"	100
1 1/2"	100
1"	89
3/4 "	80
1/2"	77
5/8 "	76
#4	73
#10	71
#40	66
#200	51

Gravel (%)	27	LL	25	Project Name: Railroad Avenue Improvements		 Yeh & Associates, Inc. Geotechnical Engineering Consultants		
Sand (%)	22	PL	14	Sample ID: Test Pit 2				
Fines (%)	51	PI	11	Sample Depth (ft.): 1.5		SIEVE ANALYSIS		
Sample Description: CLAY with sand and gravel (CL)						Drawn By: JM		Project No.: 216-197
						Checked By: SR		Figure No.: B-2
						Date: 06/15/16		

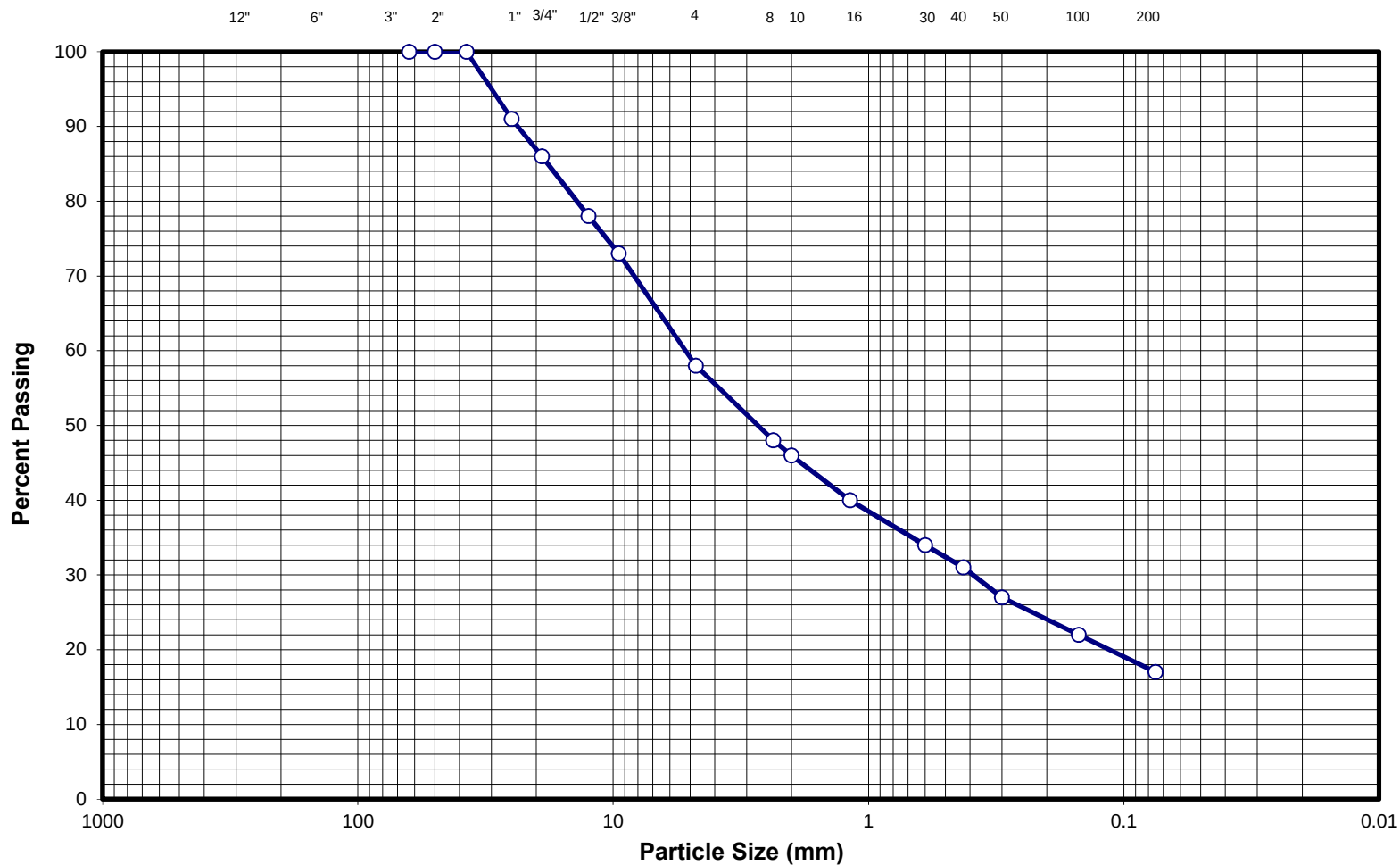
Sieve Analysis		Hydrometer Analysis
Sieve Opening in Inches	U.S. Standard Sieves	Size of Particles in mm



Sieve Size	% Passing
3"	-
2 1/2"	100
2"	100
1 1/2"	100
1"	77
3/4 "	73
1/2"	58
E 5 "	53
#4	42
#10	35
#40	24
#200	13

Gravel (%)	58	LL	-	Project Name:	Railroad Avenue Improvements	 Yeh & Associates, Inc. Geotechnical Engineering Consultants	
Sand (%)	29	PL	-	Sample ID:	TH-1		
Fines (%)	13	PI	-	Sample Depth (ft.):	2	SIEVE ANALYSIS	
Sample Description: GRAVEL, silty with sand						Drawn By: JM	Project No.: 216-197
						Checked By: SR	Figure No.: B-3
						Date: 06/15/16	

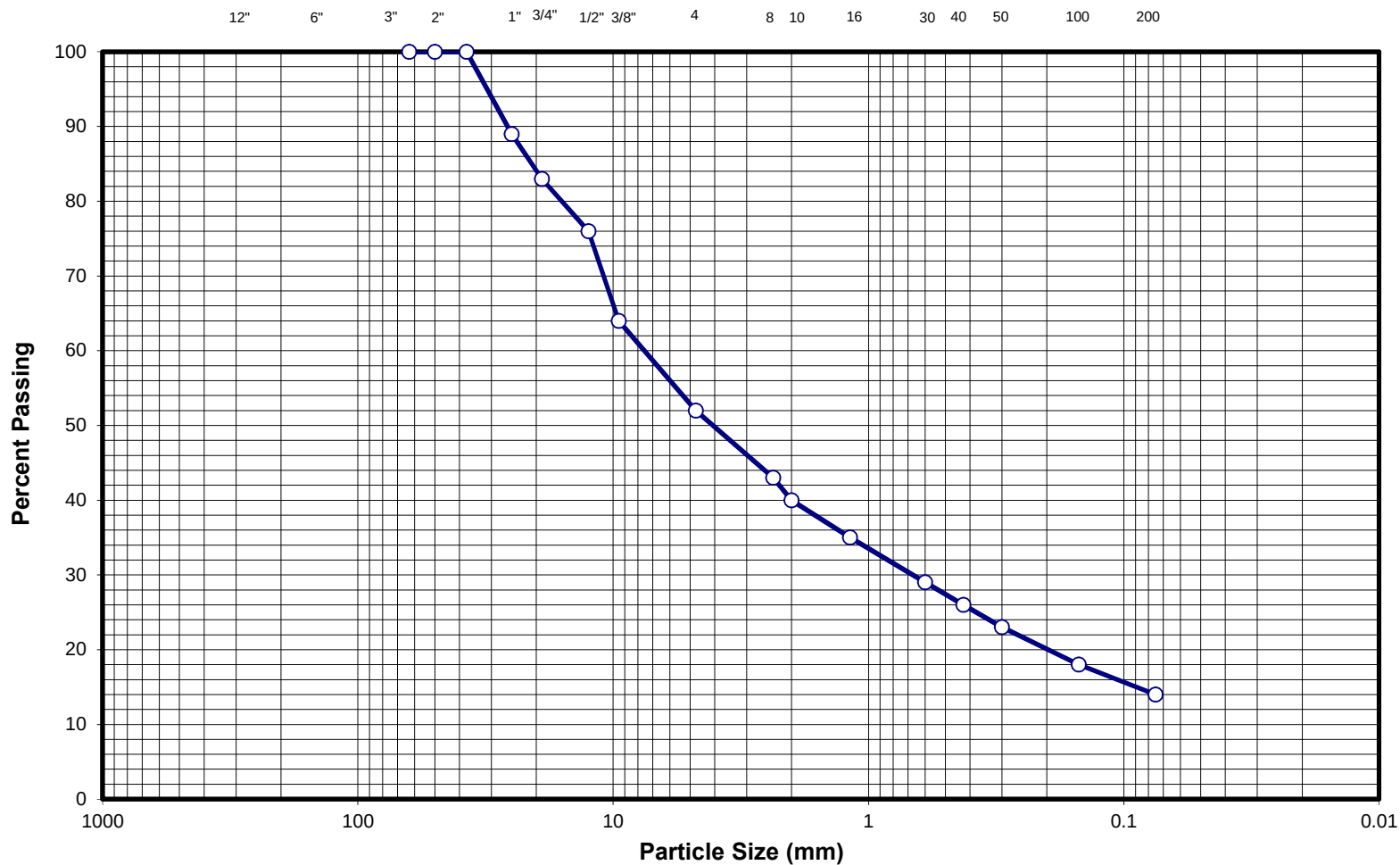
Sieve Analysis		Hydrometer Analysis
Sieve Opening in Inches	U.S. Standard Sieves	Size of Particles in mm



Sieve Size	% Passing
3"	-
2 1/2"	100
2"	100
1 1/2"	100
1"	91
3/4 "	86
1/2"	78
3/8 "	73
#4	58
#10	46
#40	31
#200	17

Gravel (%)	42	LL	NV	Project Name: Railroad Avenue Improvements		 Yeh & Associates, Inc. Geotechnical Engineering Consultants			
Sand (%)	41	PL	NP	Sample ID: TH-1		SIEVE ANALYSIS			
Fines (%)	17	PI	NP	Sample Depth (ft.): 7					
Sample Description: GRAVEL, silty, sandy (GM)						Drawn By: JM		Project No.:	216-197
						Checked By: SR		Figure No.:	B-4
						Date: 06/15/16			

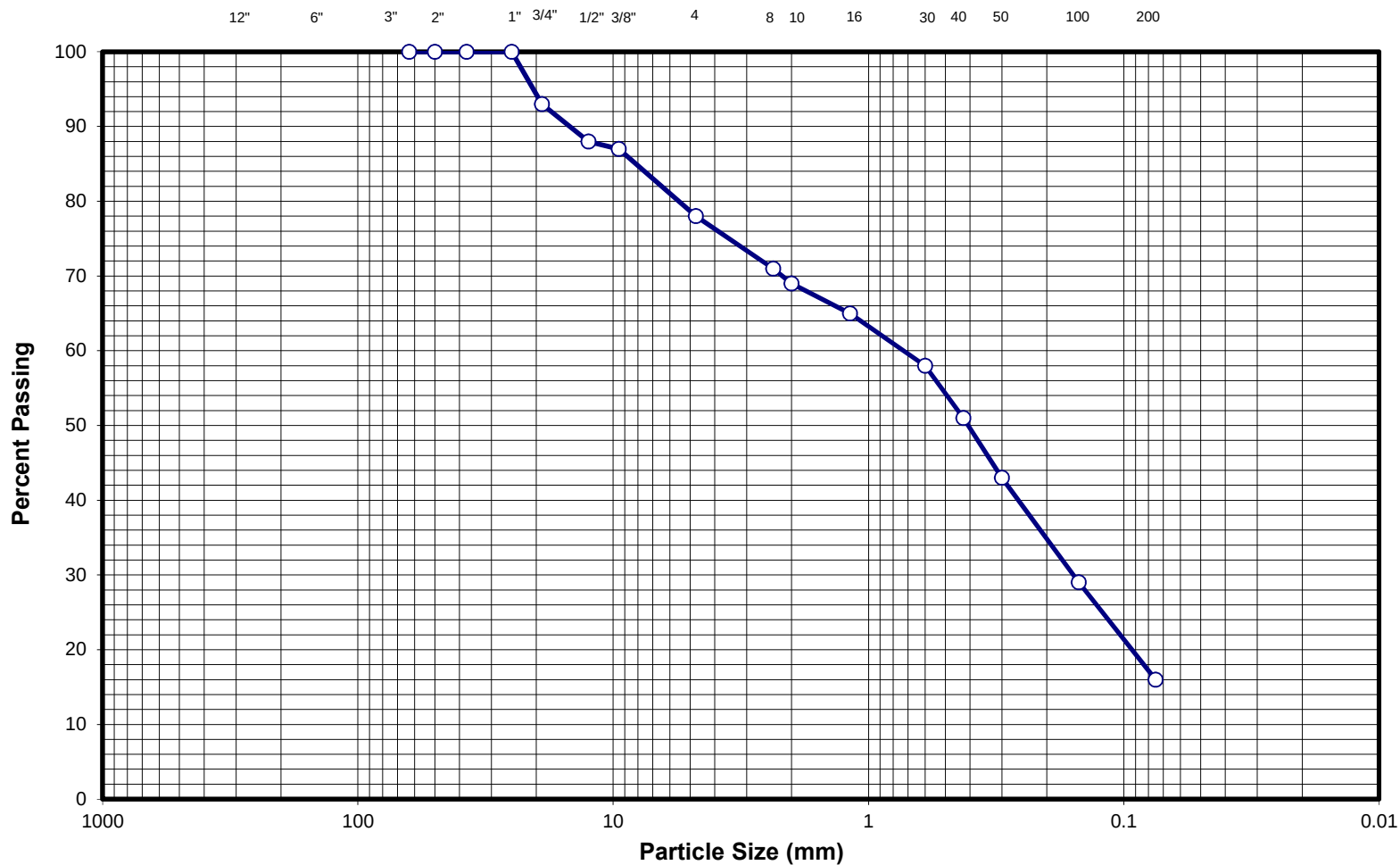
Sieve Analysis		Hydrometer Analysis
Sieve Opening in Inches	U.S. Standard Sieves	Size of Particles in mm



Sieve Size	% Passing
3"	-
2 1/2"	100
2"	100
1 1/2"	100
1"	89
3/4 "	83
1/2"	76
5/8 "	64
#4	52
#10	40
#40	26
#200	14

Gravel (%)	48	LL	-	Project Name:	Railroad Avenue Improvements	 Yeh & Associates, Inc. Geotechnical Engineering Consultants	
Sand (%)	38	PL	-	Sample ID:	TH-1		
Fines (%)	14	PI	-	Sample Depth (ft.):	20	SIEVE ANALYSIS	
Sample Description: GRAVEL, silty, sandy						Drawn By:	JM
						Checked By:	SR
						Date:	06/15/16
						Project No.:	216-197
						Figure No.:	B-5

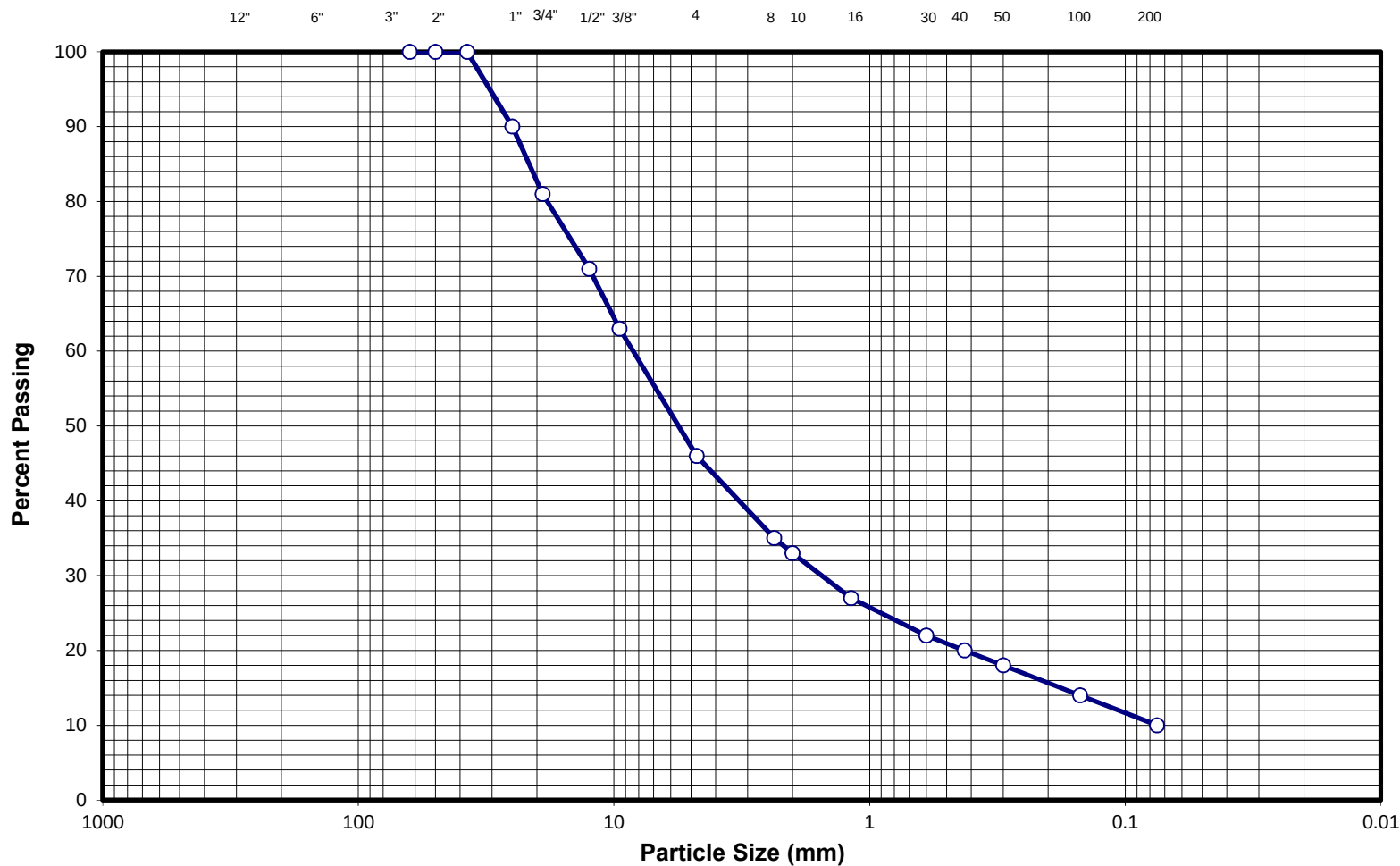
Sieve Analysis		Hydrometer Analysis
Sieve Opening in Inches	U.S. Standard Sieves	Size of Particles in mm



Sieve Size	% Passing
3"	-
2 1/2"	100
2"	100
1 1/2"	100
1"	100
3/4 "	93
1/2"	88
3/8 "	87
#4	78
#10	69
#40	51
#200	16

Gravel (%)	22	LL	28	Project Name:	Railroad Avenue Improvements		Yeh & Associates, Inc.		
Sand (%)	62	PL	14	Sample ID:	TH-2		Geotechnical Engineering Consultants		
Fines (%)	16	PI	14	Sample Depth (ft.):	1		SIEVE ANALYSIS		
Sample Description: FILL SAND, clayey with gravel (SC)						Drawn By:	JM	Project No.:	216-197
						Checked By:	SR	Figure No.:	B-6
						Date:	06/15/16		

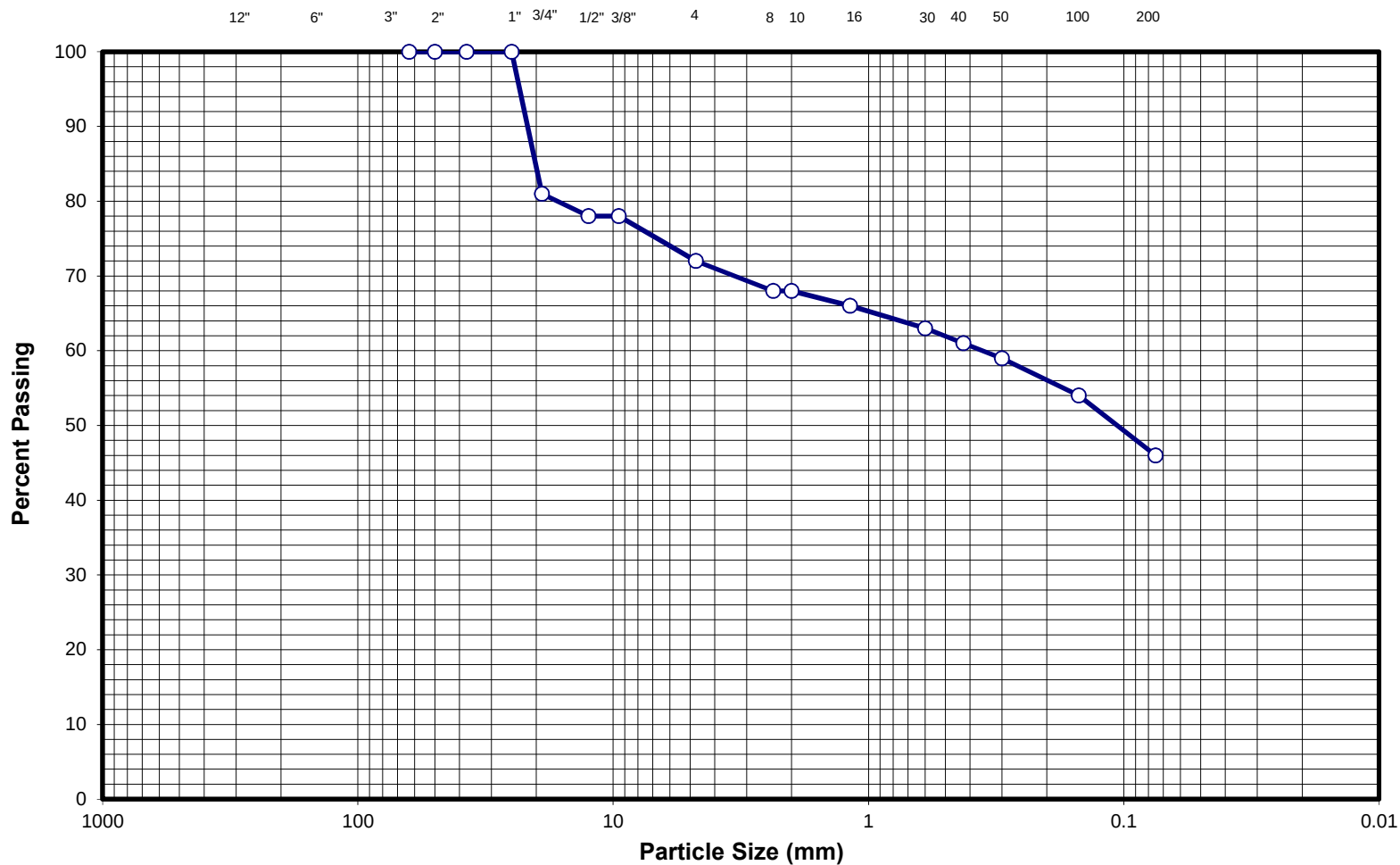
Sieve Analysis		Hydrometer Analysis
Sieve Opening in Inches	U.S. Standard Sieves	Size of Particles in mm



Sieve Size	% Passing
3"	-
2 1/2"	100
2"	100
1 1/2"	100
1"	90
3/4 "	81
1/2"	71
5/8 "	63
#4	46
#10	33
#40	20
#200	10

Gravel (%)	54	LL	NV	Project Name: Railroad Avenue Improvements		 Yeh & Associates, Inc. Geotechnical Engineering Consultants		
Sand (%)	36	PL	NP	Sample ID: TH-3				
Fines (%)	10	PI	NP	Sample Depth (ft.): 8.5				
Sample Description: GRAVEL sandy with silt (GP-GM)						SIEVE ANALYSIS		
						Drawn By: JM	Project No.:	216-197
						Checked By: SR	Figure No.:	B-7
						Date: 06/15/16		

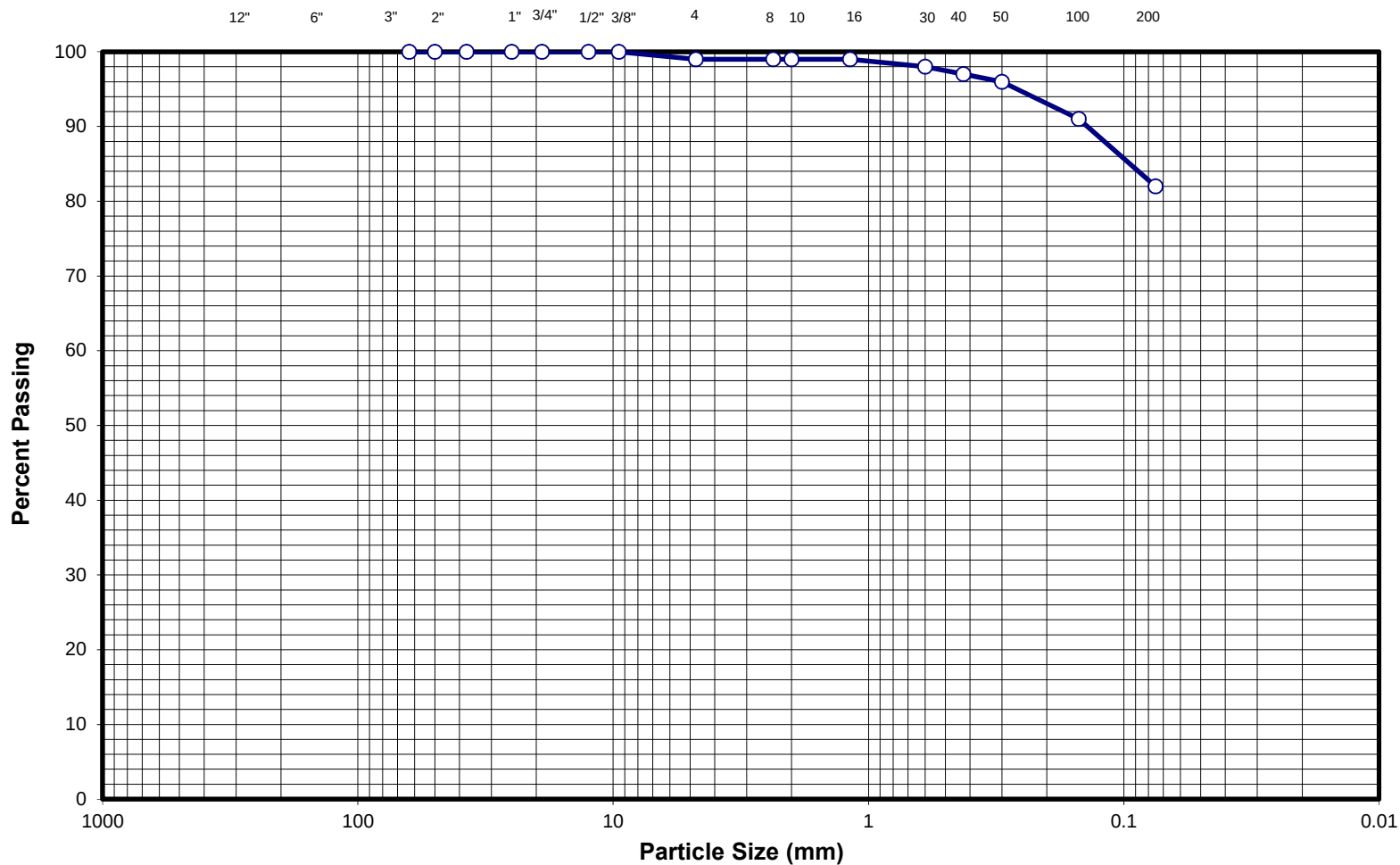
Sieve Analysis		Hydrometer Analysis
Sieve Opening in Inches	U.S. Standard Sieves	Size of Particles in mm



Sieve Size	% Passing
3"	-
2 1/2"	100
2"	100
1 1/2"	100
1"	100
3/4 "	81
1/2"	78
No. 10	78
No. 40	72
No. 100	68
No. 200	61
No. 400	46

Gravel (%)	28	LL	-	Project Name:	Railroad Avenue Improvements	 Yeh & Associates, Inc. Geotechnical Engineering Consultants		
Sand (%)	26	PL	-	Sample ID:	TH-4			
Fines (%)	46	PI	-	Sample Depth (ft.):	3.5			
Sample Description: FILL CLAY with sand and gravel						Drawn By: JM	Project No.:	216-197
						Checked By: SR	Figure No.:	B-8
						Date: 06/15/16		

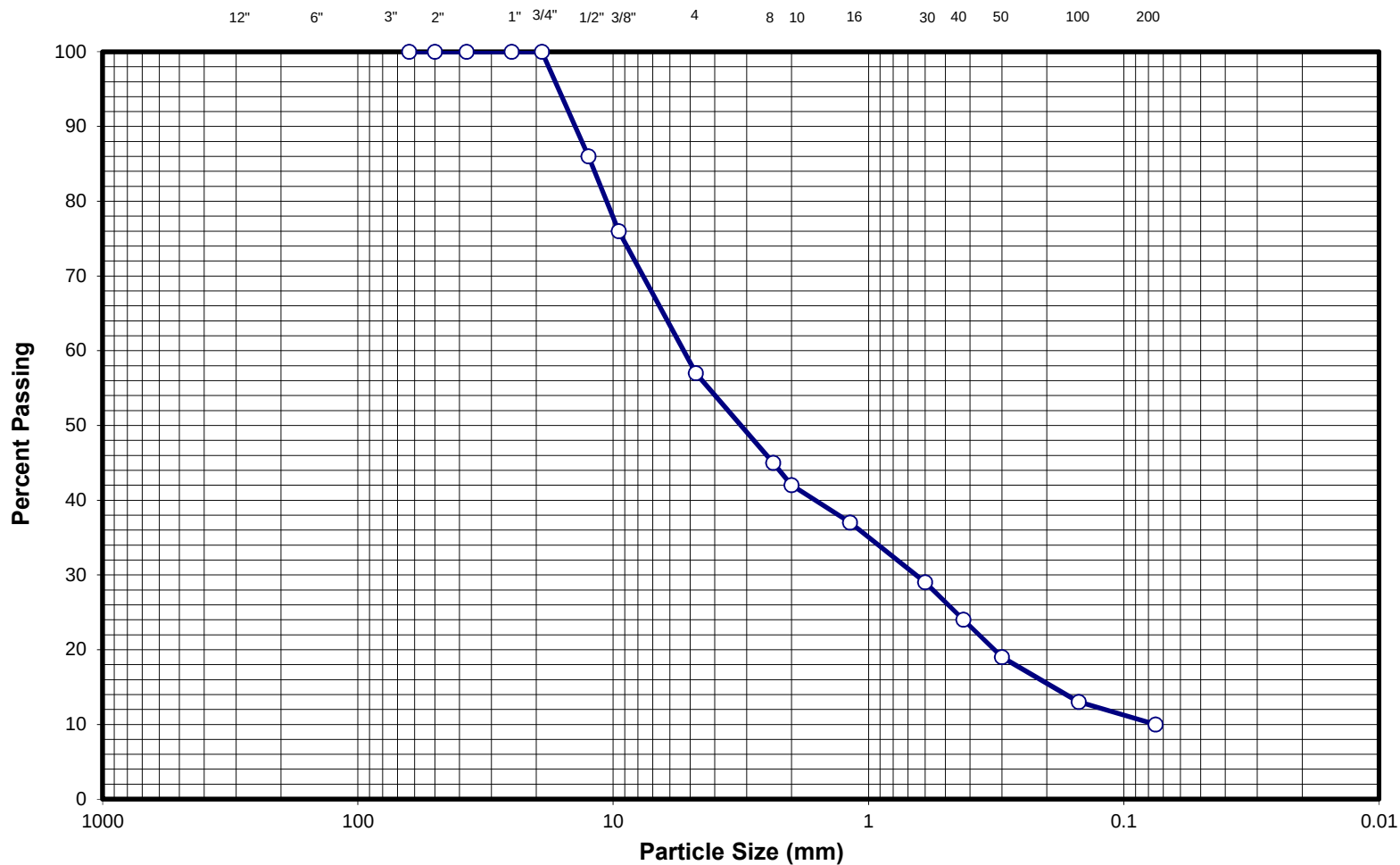
Sieve Analysis		Hydrometer Analysis
Sieve Opening in Inches	U.S. Standard Sieves	Size of Particles in mm



Sieve Size	% Passing
3"	-
2 1/2"	100
2"	100
1 1/2"	100
1"	100
3/4 "	100
1/2"	100
5/8 "	100
#4	99
#10	99
#40	97
#200	82

Gravel (%)	1	LL	-	Project Name:	Railroad Avenue Improvements	 Yeh & Associates, Inc. Geotechnical Engineering Consultants		
Sand (%)	17	PL	-	Sample ID:	TH-4			
Fines (%)	82	PI	-	Sample Depth (ft.):	4			
Sample Description: FILL CLAY with sand						Drawn By: JM	Project No.:	216-197
						Checked By: SR	Figure No.:	B-9
						Date: 06/15/16		

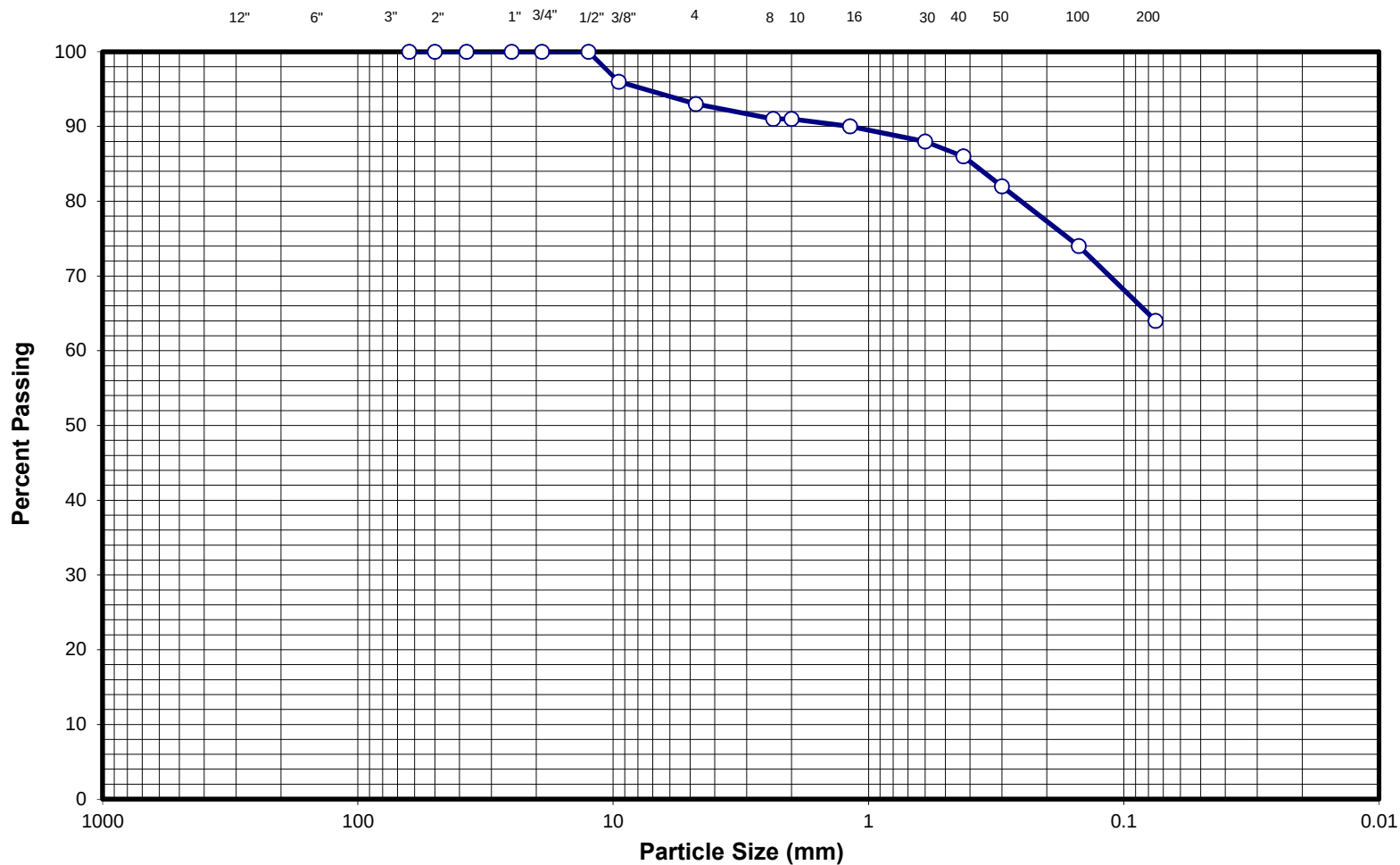
Sieve Analysis		Hydrometer Analysis
Sieve Opening in Inches	U.S. Standard Sieves	Size of Particles in mm



Sieve Size	% Passing
3"	-
2 1/2"	100
2"	100
1 1/2"	100
1"	100
3/4 "	100
1/2"	86
3/8 "	76
#4	57
#10	42
#40	24
#200	10

Gravel (%)	43	LL	-	Project Name:	Railroad Avenue Improvements	 Yeh & Associates, Inc. Geotechnical Engineering Consultants		
Sand (%)	47	PL	-	Sample ID:	TH-5			
Fines (%)	10	PI	-	Sample Depth (ft.):	1			
Sample Description: FILL SAND, gravelly with clay						Drawn By: JM	Project No.:	216-197
						Checked By: SR		
						Date: 06/15/16	Figure No.:	B-10

Sieve Analysis		Hydrometer Analysis
Sieve Opening in Inches	U.S. Standard Sieves	Size of Particles in mm



Sieve Size	% Passing
3"	-
2 1/2"	100
2"	100
1 1/2"	100
1"	100
3/4 "	100
1/2"	100
3/8 "	96
#4	93
#10	91
#40	86
#200	64

Gravel (%)	7	LL	24	Project Name:	Railroad Avenue Improvements
Sand (%)	29	PL	14	Sample ID:	TH-7
Fines (%)	64	PI	10	Sample Depth (ft.):	4
Sample Description: CLAY with sand (CL)					



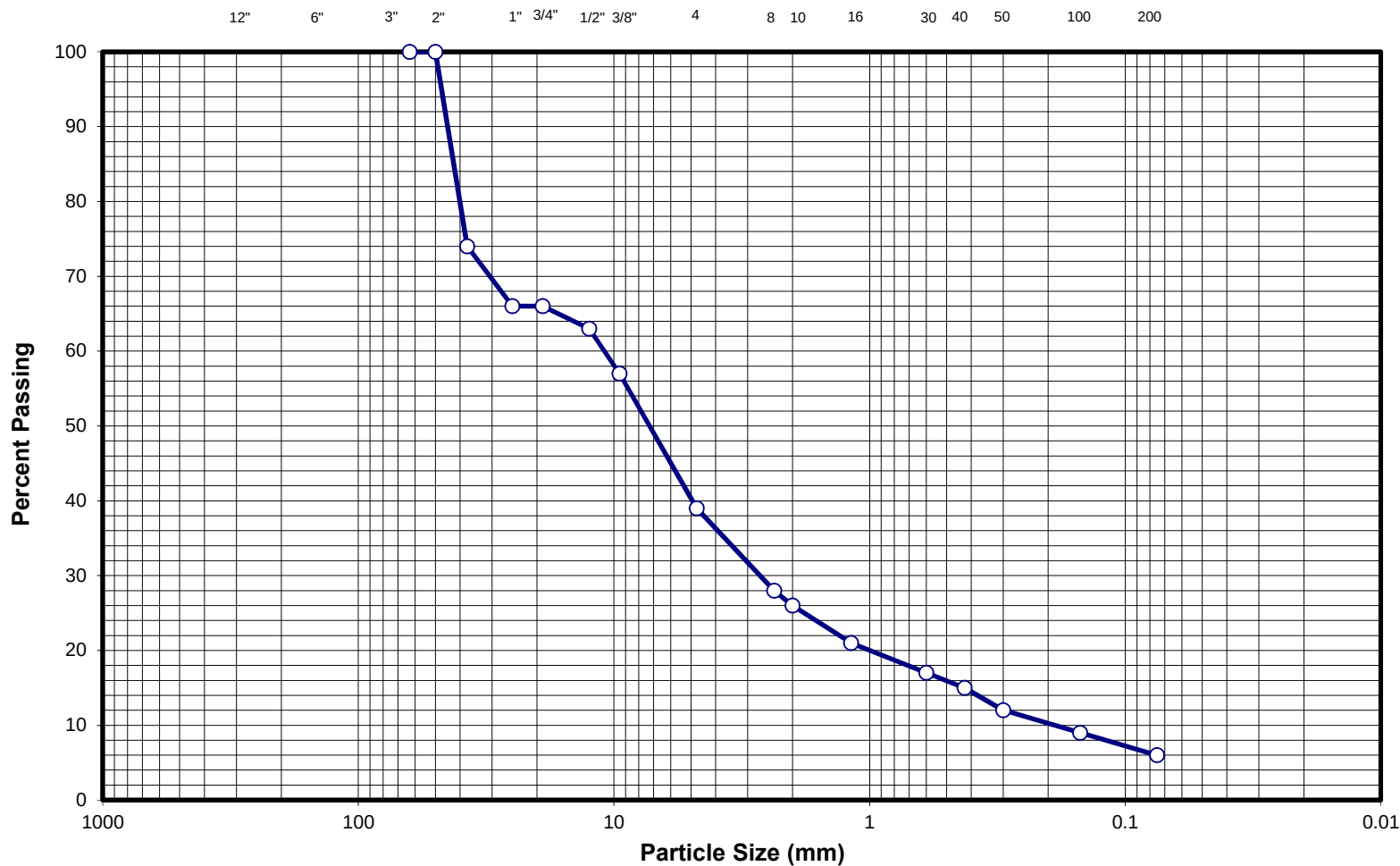
Yeh & Associates, Inc.

Geotechnical Engineering Consultants

SIEVE ANALYSIS

Drawn By:	JM	Project No.:	216-197
Checked By:	SR	Figure No.:	B-11
Date:	06/15/16		

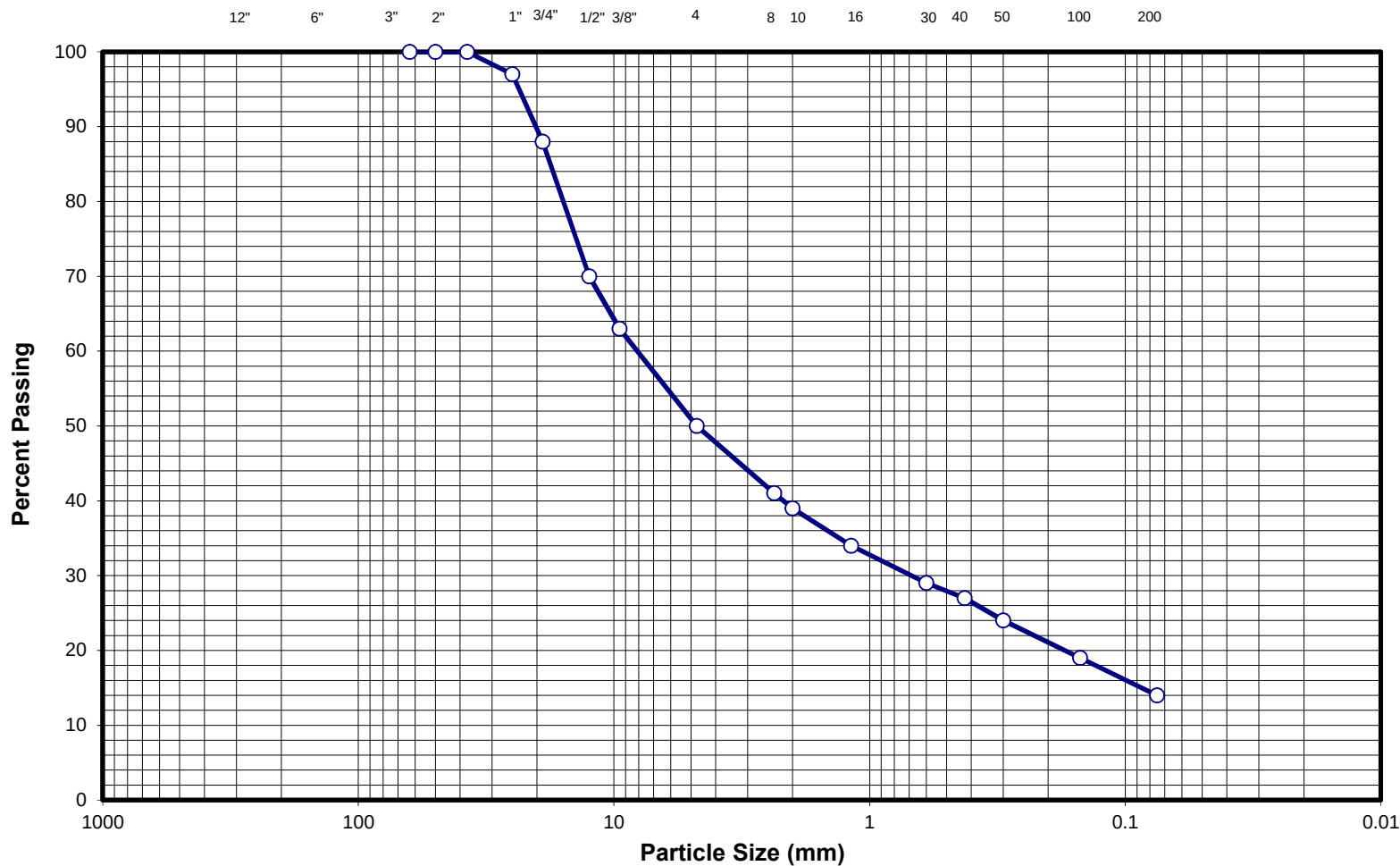
Sieve Analysis		Hydrometer Analysis
Sieve Opening in Inches	U.S. Standard Sieves	Size of Particles in mm



Sieve Size	% Passing
3"	-
2 1/2"	100
2"	100
1 1/2"	74
1"	66
3/4 "	66
1/2"	63
E 5 "	57
#4	39
#10	26
#40	15
#200	6

Gravel (%)	61	LL	NV	Project Name:	Railroad Avenue Improvements	 Yeh & Associates, Inc. Geotechnical Engineering Consultants			
Sand (%)	33	PL	NP	Sample ID:	TH-7				
Fines (%)	6	PI	NP	Sample Depth (ft.):	10				
Sample Description: GRAVEL, sandy with silt (GP-GM)						SIEVE ANALYSIS			
						Drawn By:	JM	Project No.:	216-197
						Checked By:	SR	Figure No.:	B-12
						Date:	06/15/16		

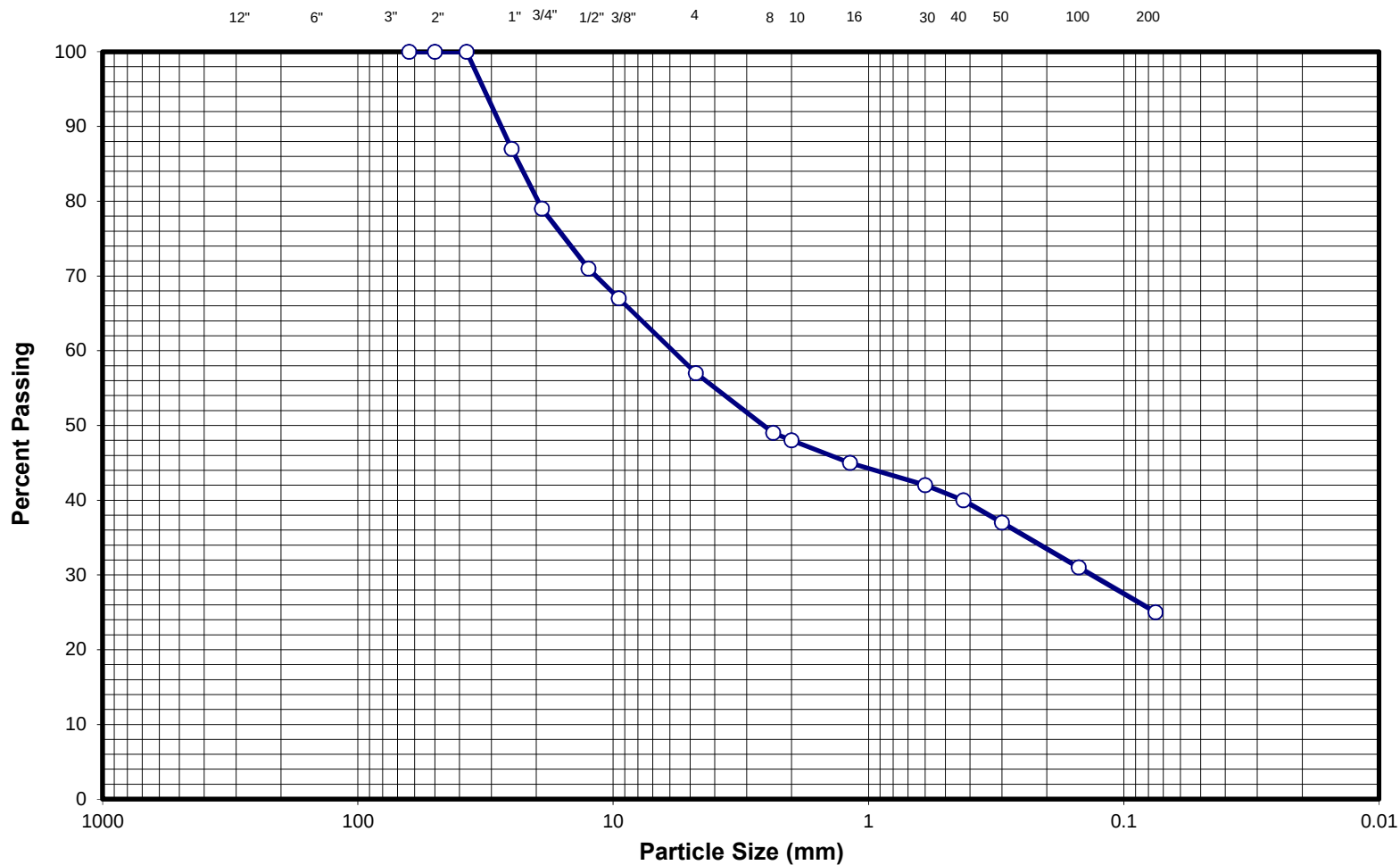
Sieve Analysis		Hydrometer Analysis
Sieve Opening in Inches	U.S. Standard Sieves	Size of Particles in mm



Sieve Size	% Passing
3"	-
2 1/2"	100
2"	100
1 1/2"	100
1"	97
3/4 "	88
1/2"	70
5/8 "	63
#4	50
#10	39
#40	27
#200	14

Gravel (%)	50	LL	-	Project Name:	Railroad Avenue Improvements	 Yeh & Associates, Inc. Geotechnical Engineering Consultants			
Sand (%)	36	PL	-	Sample ID:	TH-10				
Fines (%)	14	PI	-	Sample Depth (ft.):	6				
Sample Description: GRAVEL, silty, sandy						SIEVE ANALYSIS			
						Drawn By:	JM	Project No.:	216-197
						Checked By:	SR	Figure No.:	B-13
						Date:	06/15/16		

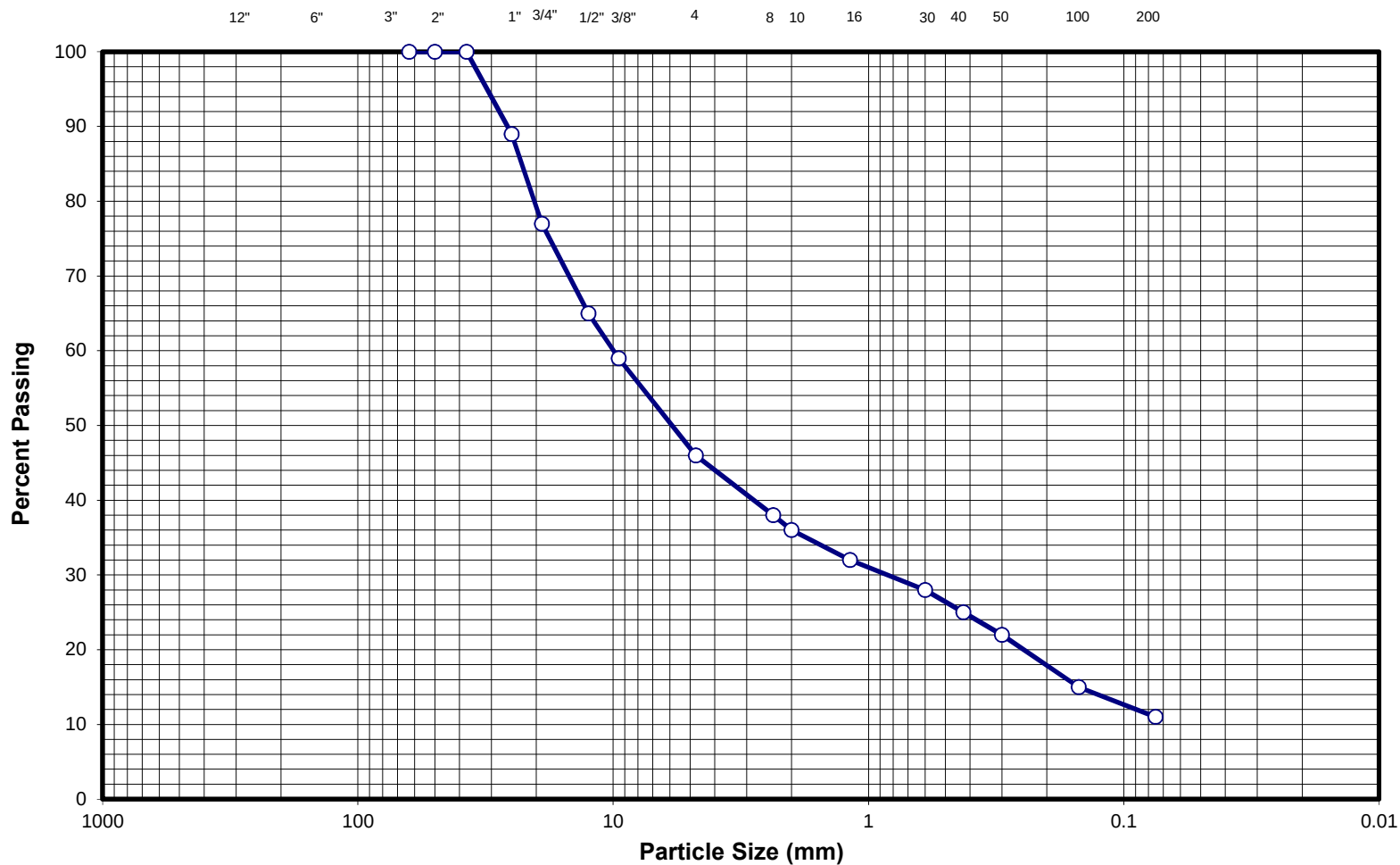
Sieve Analysis		Hydrometer Analysis
Sieve Opening in Inches	U.S. Standard Sieves	Size of Particles in mm



Sieve Size	% Passing
3"	-
2 1/2"	100
2"	100
1 1/2"	100
1"	87
3/4 "	79
1/2"	71
5/8 "	67
#4	57
#10	48
#40	40
#200	25

Gravel (%)	43	LL	-	Project Name:	Railroad Avenue Improvements	 Yeh & Associates, Inc. Geotechnical Engineering Consultants		
Sand (%)	32	PL	-	Sample ID:	TH-11			
Fines (%)	25	PI	-	Sample Depth (ft.):	7			
Sample Description: GRAVEL, silty, sandy						Drawn By: JM	Project No.:	216-197
						Checked By: SR	Figure No.:	B-14
						Date: 06/15/16		

Sieve Analysis		Hydrometer Analysis
Sieve Opening in Inches	U.S. Standard Sieves	Size of Particles in mm



Sieve Size	% Passing
3"	-
2 1/2"	100
2"	100
1 1/2"	100
1"	89
3/4 "	77
1/2"	65
3/8 "	59
#4	46
#10	36
#40	25
#200	11

Gravel (%)	54	LL	-	Project Name: Railroad Avenue Improvements		 Yeh & Associates, Inc. Geotechnical Engineering Consultants		
Sand (%)	35	PL	-	Sample ID: TH-12				
Fines (%)	11	PI	-	Sample Depth (ft.): 8.5		SIEVE ANALYSIS		
Sample Description: GRAVEL, sandy with silt						Drawn By: JM	Project No.:	216-197
						Checked By: SR	Figure No.:	B-15
						Date: 06/15/16		

APPENDIX C
Piezometer and Water Data



Yeh and Associates, Inc.
Geotechnical Engineering Consultants

Project Name:	Railroad Avenue Improvements
Project No.:	216-197
City/State:	Rifle, Colorado
County:	Garfield
Dates Drilled:	May 10-11, 2016
Geologist:	Jolene Mulumba

Piezometer	Surface Elevation*	Casing and Material Dimensions				
		A	B	C	D	E
P-1	5328.0	4"	5"	1.8'	16.8'	21.6'
P-2	5332.5	4.5"	5"	0.5'	5.5'	5.6'
P-3	5335.0	4.5"	5"	3.3'	8.3'	10.0'
P-4	5338.0	6"	5"	1.0'	6.0'	6.0'
P-5	5340.0	5"	5"	2.2'	7.2'	8.0'
P-6	5342.0	4.5"	5"	1.7'	6.7'	7.0'
P-8	5342.5	5"	5"	2.3'	7.3'	7.6'
P-10	5346.0	9.5"	5"	1.3'	6.3'	10.6'
P-11	5346.0	3.5"	5"	1.8'	6.8'	8.5'
P-12	5349.5	4.5"	5"	0.7'	15.7'	19.6'

*Surface elevations are approximate and were taken from Google Earth.

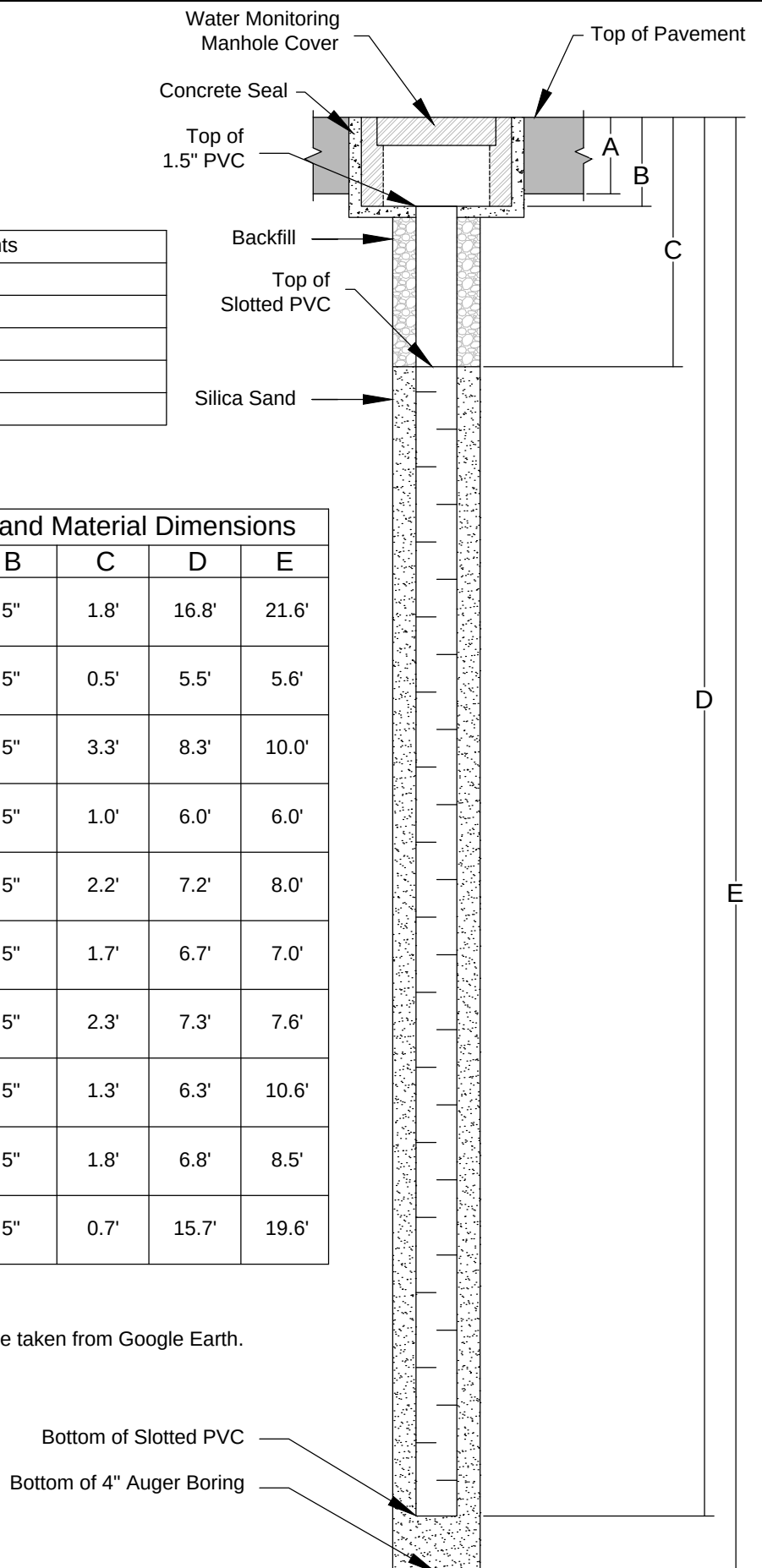


Figure C-1

Project No: **216-197**Project Name: **Railroad Avenue Improvements****Summary of Piezometer Readings**

Test Hole No.	Depth of PVC Pipe (ft)	Date & Time of Day (am/pm) of Observation							
		5/12/2016 pm	5/20/2016 am	5/26/2016 pm	6/3/2016 pm	6/10/2016 pm			
		Depth to Water (ft)							
P-1	16.8	14.30	14.35	14.30	14.30	14.30			
P-2	5.5	Dry	5.20	5.26	5.20	5.20			
P-3	8.3	Dry	8.05	8.00	7.95	8.09			
P-4	6.0	Dry	Dry	Dry	Dry	Dry			
P-5	7.2	Dry	Dry	Dry	Dry	7.08			
P-6	6.7	Dry	6.05	6.50	6.57	6.27			
P-8	7.3	Dry	Dry	Dry	Dry	Dry			
P-10	6.3	Dry	Dry	Dry	Dry	Dry			
P-11	6.8	Dry	6.75	6.75	6.80	6.65			
P-12	15.7	Dry	Dry	Dry	Dry	Dry			

Notes and Observations:

Drilling occurred 5/10 and 5/11

Rain event on 5/19 in the afternoon and evening

5/12 - Readings taken between 2:40pm and 3:15pm

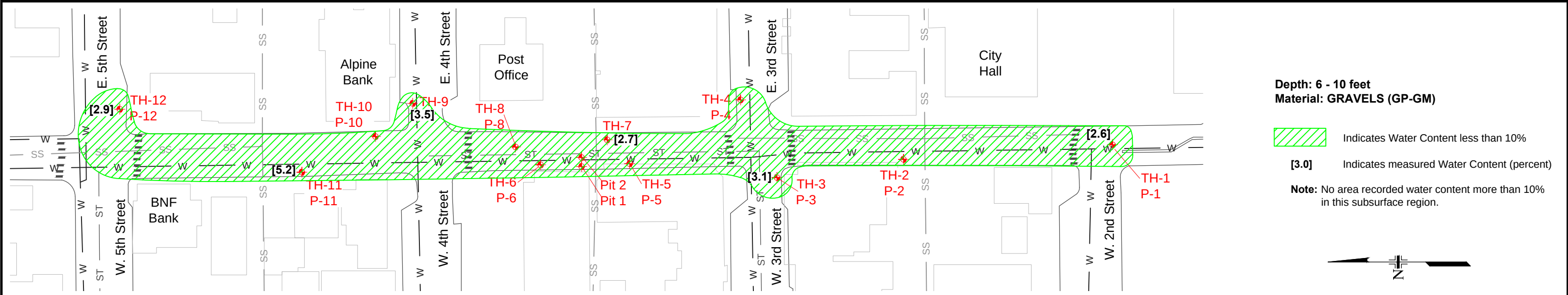
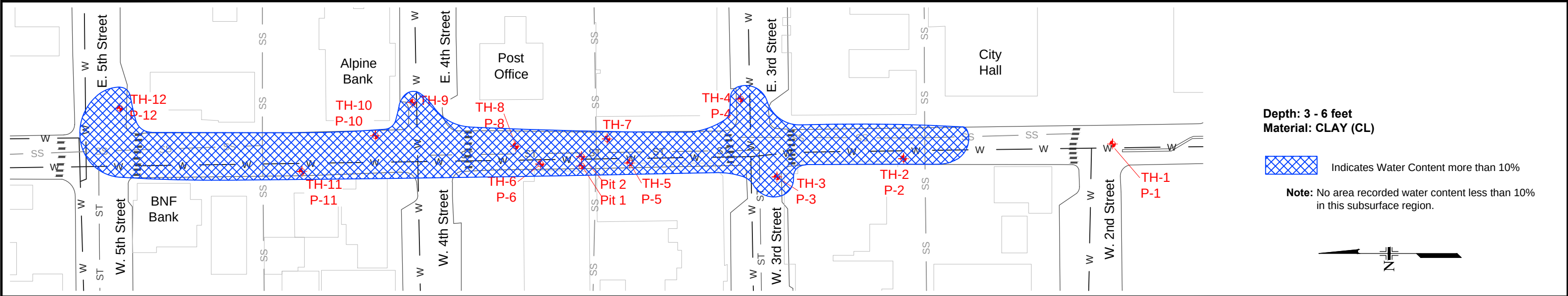
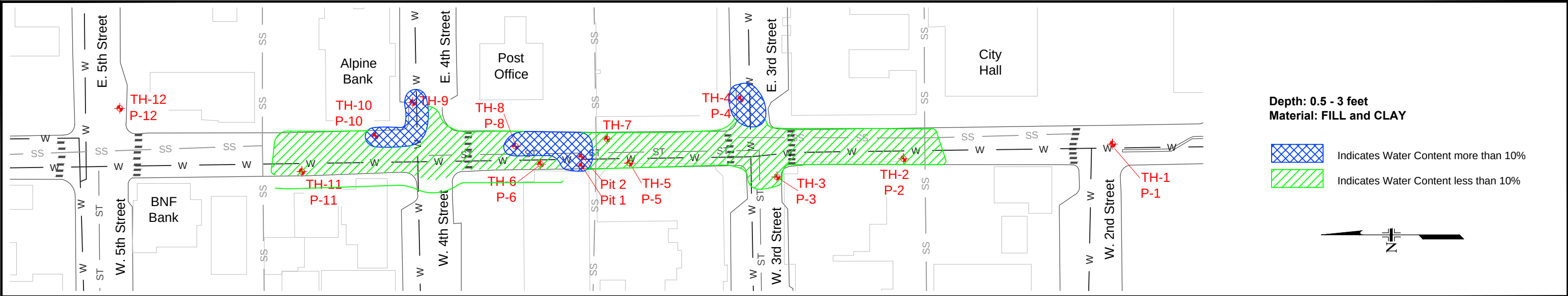
5/20 - Readings taken between 10:00am and 10:40am

5/26 - Readings taken between 2:10pm and 2:40pm

6/03 - Readings taken between 1:30pm and 2:00pm

6/10 - Readings taken between 2:15pm and 2:45pm

Rain on 6/11-6/14



Symbol Legend

TH-1 P-1 Indicates approximate location of boring hole and piezometer location

W Indicates approximate location of water main

SS Indicates approximate location of sanitary sewer line

ST Indicates approximate location of 30" RCP storm sewer

Yeh and Associates, Inc.
Consulting Engineers & Scientists

DRAWN BY: JRM DATE: 6/09/2016

CHECKED BY: SWR DATE: 6/09/2016

DESIGNED FOR: City of Rifle

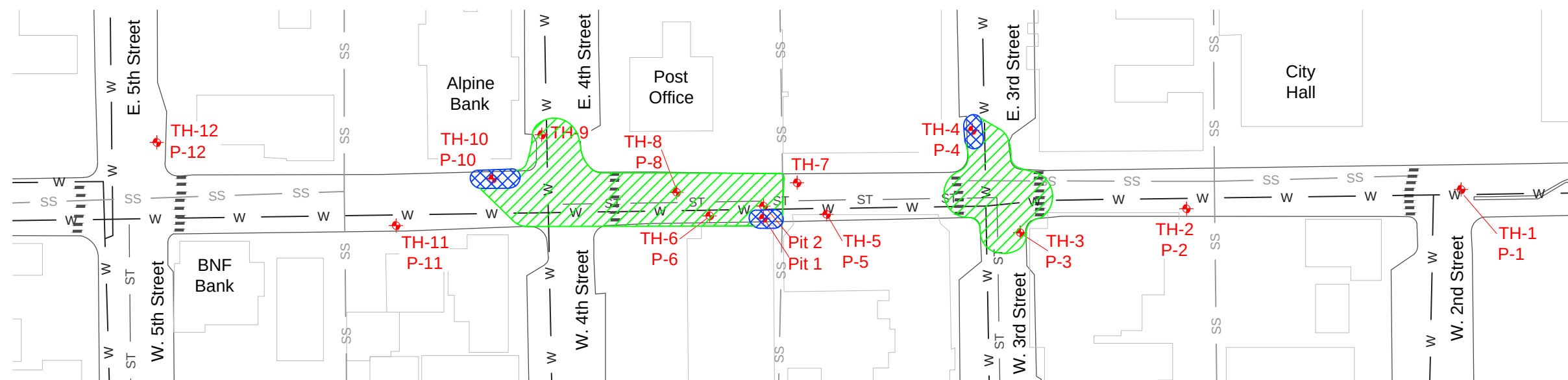
PROJECT NUMBER: 216-197

SCALE: 1"=100'

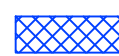
PROJECT: Railroad Avenue Improvements
City of Rifle, Garfield County

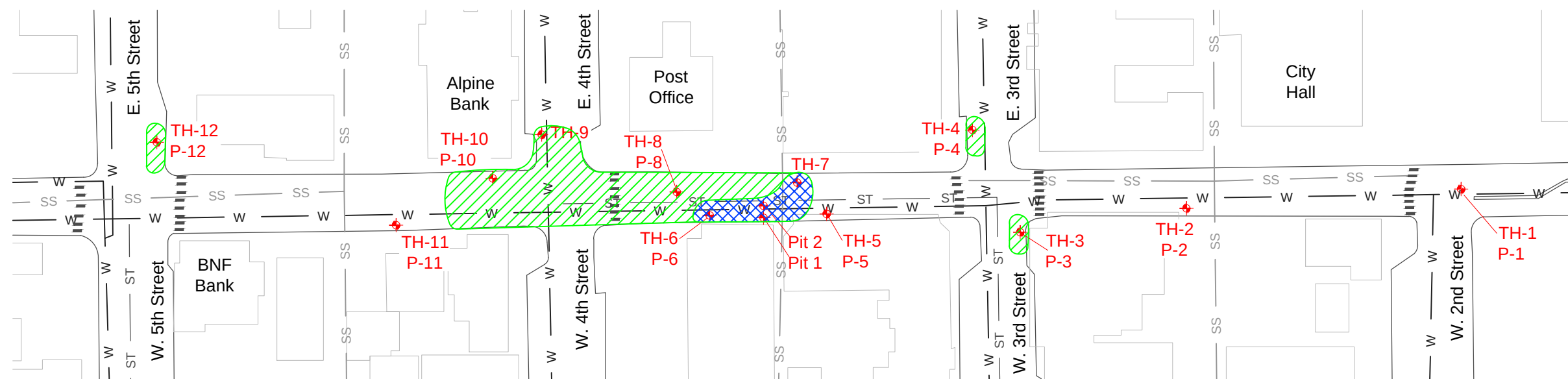
**Water Content Map
At Depths 0 to 10 feet**

FIGURE C-3

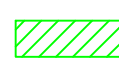


Depth: 1/2 to 3 feet
Material: FILL and CLAY

-  Indicates approximate locations of soil saturation percentage: 90%- 100%
-  Indicates approximate locations of soil saturation percentage: 80%- 89.9%



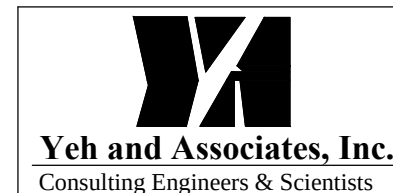
Depth: 3 - 6 feet
Material: CLAY (CL)

-  Indicates approximate locations of soil saturation percentage: 90%- 100%
-  Indicates approximate locations of soil saturation percentage: 80%- 89.9%



Symbol Legend

-  **TH-1**
P-1 Indicates approximate location of boring hole and piezometer location
-  **W** Indicates approximate location of water main
-  **SS** Indicates approximate location of sanitary sewer line
-  **ST** Indicates approximate location of 30" RCP storm sewer



DRAWN BY: JRM	DATE: 6/09/2016	PROJECT: Railroad Avenue Improvements City of Rifle, Garfield County	FIGURE C-4
CHECKED BY: SWR	DATE: 6/09/2016		
DESIGNED FOR: City of Rifle			
PROJECT NUMBER: 216-197		Saturation Map at Depths 0.5 - 6 feet	
SCALE: 1"=100'			
			

APPENDIX D
Traffic Loading Calculations

1993 AASHTO Pavement Design

DARWin Pavement Design and Analysis System

A Proprietary AASHTOWare Computer Software Product

Yeh & Associates, Inc.

Flexible Structural Design Module

Railroad Avenue Improvements

Project No. 216-197

3rd Street to 5th Street

Reconstruction with HMA only

Flexible Structural Design

18-kip ESALs Over Initial Performance Period	1,000,000
Initial Serviceability	4.5
Terminal Serviceability	2.5
Reliability Level	95 %
Overall Standard Deviation	0.44
Roadbed Soil Resilient Modulus	4,334 psi
Stage Construction	1
Calculated Design Structural Number	4.30 in

Specified Layer Design

<u>Layer</u>	<u>Material Description</u>	Struct Coef. <u>(Ai)</u>	Drain Coef. <u>(Mi)</u>	Thickness <u>(Di)(in)</u>	Width <u>(ft)</u>	Calculated <u>SN (in)</u>
1	New HMA	0.44	1	10	12	4.40
Total	-	-	-	10.00	-	4.40

1993 AASHTO Pavement Design

DARWin Pavement Design and Analysis System

A Proprietary AASHTOWare Computer Software Product

Yeh & Associates, Inc.

Flexible Structural Design Module

Railroad Avenue Improvements
Project No. 216-197
3rd Street to 5th Street
Reconstruction with HMA, 6 inches ABC and 2 feet import R-40

Flexible Structural Design

18-kip ESALs Over Initial Performance Period	1,000,000
Initial Serviceability	4.5
Terminal Serviceability	2.5
Reliability Level	95 %
Overall Standard Deviation	0.44
Roadbed Soil Resilient Modulus	9,497 psi
Stage Construction	1
Calculated Design Structural Number	3.27 in

Specified Layer Design

<u>Layer</u>	<u>Material Description</u>	Struct Coef. <u>(Ai)</u>	Drain Coef. <u>(Mi)</u>	Thickness <u>(Di)(in)</u>	Width <u>(ft)</u>	Calculated <u>SN (in)</u>
1	New HMA	0.44	1	5.5	12	2.42
2	ABC Class 6	0.15	1	6	12	0.90
Total	-	-	-	11.50	-	3.32

1993 AASHTO Pavement Design

DARWin Pavement Design and Analysis System

A Proprietary AASHTOWare Computer Software Product

Yeh & Associates, Inc.

Flexible Structural Design Module

Railroad Avenue Improvements
Project No. 216-197
3rd Street to 5th Street
Reconstruction with HMA and 6 inches ABC

Flexible Structural Design

18-kip ESALs Over Initial Performance Period	1,000,000
Initial Serviceability	4.5
Terminal Serviceability	2.5
Reliability Level	95 %
Overall Standard Deviation	0.44
Roadbed Soil Resilient Modulus	4,334 psi
Stage Construction	1
Calculated Design Structural Number	4.30 in

Specified Layer Design

<u>Layer</u>	<u>Material Description</u>	Struct Coef. <u>(Ai)</u>	Drain Coef. <u>(Mi)</u>	Thickness <u>(Di)(in)</u>	Width <u>(ft)</u>	Calculated <u>SN (in)</u>
1	New HMA	0.44	1	8	12	3.52
2	ABC Class 6	0.15	1	6	12	0.90
Total	-	-	-	14.00	-	4.42

1993 AASHTO Pavement Design

DARWin Pavement Design and Analysis System

A Proprietary AASHTOWare Computer Software Product

Yeh & Associates, Inc.

Flexible Structural Design Module

Railroad Avenue Improvements
Project No. 216-197
3rd Street to 5th Street
Reconstruction with HMA and 12 inches ABC

Flexible Structural Design

18-kip ESALs Over Initial Performance Period	1,000,000
Initial Serviceability	4.5
Terminal Serviceability	2.5
Reliability Level	95 %
Overall Standard Deviation	0.44
Roadbed Soil Resilient Modulus	4,334 psi
Stage Construction	1
Calculated Design Structural Number	4.30 in

Specified Layer Design

<u>Layer</u>	<u>Material Description</u>	Struct Coef. <u>(Ai)</u>	Drain Coef. <u>(Mi)</u>	Thickness <u>(Di)(in)</u>	Width <u>(ft)</u>	Calculated <u>SN (in)</u>
1	New HMA	0.44	1	6	12	2.64
2	ABC Class 6	0.15	1	12	12	1.80
Total	-	-	-	18.00	-	4.44

Traffic Data

No exact traffic loading values were available for Railroad Avenue in Rifle. City personnel stated that there were 10,000 vehicles per day using the street. In order to verify the traffic loading the CDOT Web page (OTIS) data was obtained for SH 13.

SH 13 starts at Airport Road and travels north toward Rifle. As seen in the future 2017 traffic printout below, there is a dramatic drop in traffic volume because of the I-70 ramps, US 6 and Railroad Avenue. The traffic decrease is from an ADT of 16,640 to and ADT of 3,398.

At the north intersection of SH 13 and Railroad Avenue, there is less interference from other routes, so the traffic volume increase near 20th Street is assumed to come primarily from Railroad Avenue. At this intersection, the projected 2017 traffic volume increases from 5,000 ADT to 13,988 ADT. We have assumed that the majority of the volume increase is traffic from Railroad Avenue.

To estimate the traffic loading, equivalent single axle loads (ESAL) are needed. Using the same CDOT data source, the 20-Year hot mixed asphalt (HMA) projected traffic loading for SH 13 shows in increase from 3,809,929 ESAL to 4,740,959 ESAL. That is an increase of 931,030 ESALs **We believe that most of the increase in traffic loading on SH 13 comes from traffic on Railroad Avenue and our HMA pavement designs will be base on an ESAL loading of 1,000,000 ESAL.** We believe that this value represents the traffic loading on Railroad Avenue and also addresses the vehicles that use the avenue, but do not go north on SH 13.

For concrete pavement (PCCP), 30-Year ESAL loading was obtained using the same location from the CDOT web page data and the PCCP thickness will be designed based on an ESAL loading of 2,593,532. **This value was rounded up to 2,600,000 for pavement designs to address other traffic on Railroad Avenue.**

Traffic County Section Breaks



OTIS Online Transportation Information System

Highway Data

Traffic Data

Data Catalog

Reports

Map View

Help

Stations

AADT

Future Traffic

ESAL

Found 7 stations. Click the magnifying glass icon in front of a station to see count data below.

Export to Excel

	Station ID	Route	Start	End	County	City	Description
	203809	013A	0	0.117	Garfield	Rifle	ON SH 13 NW/O AIRPORT RD, RIFLE
	100566	013A	0.117	0.651	Garfield	Rifle	ON SH 13, RAILROAD AVE, N/O LIONS PARK CIR, RIFLE
	100567	013A	0.651	1.059	Garfield	Rifle	ON SH 13, 1ST ST, E/O SH 6 WEST JCT, RIFLE
	100568	013A	1.059	1.998	Garfield	Rifle	ON SH 13 N/O SH 6, 1ST ST, N/O ON-OFF RAMP, RIFLE
	106662	013A	1.998	2.607	Garfield		ON SH 13, 20TH ST W/O RAILROAD AVE N JCT, RIFLE
	100569	013A	2.607	2.688	Garfield	Rifle	ON SH 13, RAILROAD AVE NE/O 20TH ST, RIFLE
	100570	013A	2.688	3.137	Garfield	Rifle	ON SH 13 NE/O 24TH ST & WHITERIVER AVE, RIFLE

Traffic Data

Projected 2017 SH 13 ADT

Stations
AADT
Future Traffic
ESAL

Found 7 stations. Click the magnifying glass icon in front of a station to see count data below.

Projection Year:

Export to Excel

	Route	Start	End	AADT	Year	Single Trucks	Combined Trucks	% Trucks	DHV	Projected AADT	Projected Single Trucks	Projected Combined Trucks
	013A	0	0.117	17,000	2015	370	560	5.5	11	17,680	385	582
	013A	0.117	0.651	16,000	2015	350	530	5.5	11	16,640	364	551
	013A	0.651	1.059	3,200	2015	260	330	18.3	11	3,398	276	350
	013A	1.059	1.998	3,400	2015	260	320	16.8	11	3,590	275	338
	013A	1.998	2.607	4,600	2015	490	330	17.8	11	5,000	533	359
	013A	2.607	2.688	13,000	2015	180	530	5.5	11	13,988	194	570
	013A	2.688	3.137	8,800	2015	130	410	6.2	11	9,284	137	433

20-Year ESAL Loads for HMA

Stations
AADT
Future Traffic
ESAL

Found 7 stations. Click the magnifying glass icon in front of a station to see count data below.

Build Year: Design Life (yrs): Lanes: Rigid pavement: ☐

Export to Excel

	Route	Start	End	Length	AADT	Year	20 Year Factor	Single Trucks	Combined Trucks	Projected AADT	Projected Single Trucks	Projected Combined Trucks	18 Kip ESALs
	013A	0	0.117	0.103	17,000	2014	1.47	370	560	26,189	570	863	4,283,192
	013A	0.117	0.651	0.54	17,000	2014	1.48	370	560	26,384	574	869	4,304,518
	013A	0.651	1.059	0.753	4,000	2014	1.75	320	410	7,450	596	764	3,486,701
	013A	1.059	1.998	1.06	3,500	2014	1.68	260	330	6,237	463	588	2,729,632
	013A	1.998	2.607	0.891	5,000	2014	1.96	530	360	10,520	1,115	757	3,809,929
	013A	2.607	2.688	0.22	14,000	2014	1.81	200	570	27,041	386	1,101	4,740,959
	013A	2.688	3.137	0.539	9,800	2014	1.61	150	460	16,675	255	783	3,455,552

30-Year ESAL Loads for PCCP

Stations
AADT
Future Traffic
ESAL

Found 7 stations. Click the magnifying glass icon in front of a station to see count data below.

Build Year: Design Life (yrs): Lanes: Rigid pavement: ☒

Export to Excel

	Route	Start	End	Length	AADT	Year	20 Year Factor	Single Trucks	Combined Trucks	Projected AADT	Projected Single Trucks	Projected Combined Trucks	18 Kip ESALs
	013A	0	0.117	0.103	17,000	2014	1.47	370	560	30,184	657	994	10,295,053
	013A	0.117	0.651	0.54	17,000	2014	1.48	370	560	30,464	663	1,004	10,360,166
	013A	0.651	1.059	0.753	4,000	2014	1.75	320	410	8,950	716	917	8,745,805
	013A	1.059	1.998	1.06	3,500	2014	1.68	260	330	7,427	552	700	6,790,741
	013A	1.998	2.607	0.891	5,000	2014	1.96	530	360	12,920	1,370	930	9,460,406
	013A	2.607	2.688	0.22	14,000	2014	1.81	200	570	32,711	467	1,332	12,053,938
	013A	2.688	3.137	0.539	9,800	2014	1.61	150	460	19,664	301	923	8,636,550

APPENDIX E
Pavement Design Program Outputs

Rigid Pavement Design - Based on AASHTO Supplemental Guide

Reference: *LTPP DATA ANALYSIS - Phase I: Validation of Guidelines for k-Value Selection and Concrete Pavement Performance Prediction*

I. General

Agency: City of Rifle, Colorado
Street Address:
City: Rifle
State: CO

Project Number: 216-197

ID: Default

Description: Railroad Avenue in Rifle

Location: 3rd to 5th street

II. Design

Serviceability

Initial Serviceability, P₁: 4.5
Terminal Serviceability, P₂: 2.5

PCC Properties

28-day Mean Modulus of Rupture, (S'_c): 650 psi
Elastic Modulus of Slab, E_c: 3,400,000 psi
Poisson's Ratio for Concrete, m: 0.15

Base Properties

Elastic Modulus of Base, E_b: 20,000 psi
Design Thickness of Base, H_b: 6.0 in
Slab-Base Friction Factor, f: 1.4

Reliability and Standard Deviation

Reliability Level (R): 95.0 %
Overall Standard Deviation, S₀: 0.34

Climatic Properties

Mean Annual Wind Speed, WIND: 8.8 mph
Mean Annual Air Temperature, TEMP: 50.3 °F
Mean Annual Precipitation, PRECIP: 15.3 in

Subgrade k-Value

75 psi/in

Design ESALs

2.6 million

Pavement Type, Joint Spacing (L)

☒ JPCP

☐ JRCP

☐ CRCP

Joint Spacing:

15.0 ft

JPCP

Effective Joint Spacing: 180 in

Edge Support

☐ Conventional 12-ft wide traffic lane

☒ Conventional 12-ft wide traffic lane + tied PCC

☐ 2-ft widened slab w/conventional 12-ft traffic lane

Edge Support Factor: 0.94

Sensitivity Analysis

Slab Thickness used for
Sensitivity Analysis: 8.13 in

☐ Modulus of Rupture

☐ Elastic Modulus (Slab)

☐ Elastic Modulus (Base)

☒ Base Thickness

☐ k-Value

☐ Joint Spacing

☐ Reliability

☐ Standard Deviation

Calculated Slab Thickness for Above Inputs:

8.13 in

Faulting

DOWELED PAVEMENT

Dowel Diameter: in
K_d: psi/in
E_s: psi

Base/Slab Frictional Restraint

- ☐ Stabilized Base
☒ Aggregate Base or LCB w/ bond breaker

ALPHA: /°F
TRANGE: °F
e: strain
D: in
P: lbf
T:

Base Type

- ☐ Stabilized Base
☒ Unstabilized Base

FI: °F-days
CESAL: million
Age: years
C_d:

Faulting (doweled)

0.04 in

Faulting Check - **PASS**

NONDOWELED PAVEMENT

Days90: days

D: in

Base Type

- ☐ Stabilized Base
☒ Unstabilized Base

FI: °F-days
CESAL: million
Age: years
C_d:

Faulting (nondoweled)

in

Faulting Check -

Recommended critical mean joint faulting levels for design (Table 28)

Joint Spacing	Critical Mean Joint Faulting
< 25 ft	0.06 in
> 25 ft	0.13 in

Asphalt Binder Selection Data

Five Closest Weather Stations For Latitude/Longitude= 39.549/107.799

General	A=2 km	B=39 km	C=40 km	D=50 km	E=58 km
Station ID	✓CO7031	✓CO1741	✓CO3359	✓CO0214	✓CO5484
County/District	garfield	mesa	garfield	garfield	rio blanco
Weather Station	rifle	collbran 1 w	glenwood sprin	altenbern	meeker
Elevation, m	1507	1693	1629	1608	1768
Latitude, Longitude	39.53 ,107.8	39.25 ,107.97	39.57 ,107.32	39.5 ,108.4	40.03 ,107.9
Last Year Data Available	1995	1995	1997	1997	1997

Air Temperature	Mean (Std, N)	Mean (Std, N)	Mean (Std, N)	Mean (Std, N)	Mean (Std, N)
High Temperature	34.8 (13,31)	33.5 (13,29)	34.5 (11,28)	34.3 (15,35)	32.5 (13,13)
Low Temperature	-26 (50,31)	-24.7 (48,27)	-23.6 (42,33)	-25.1 (42,35)	-27.8 (50,12)
Low Temperature Drop	27.8 (21,31)	29.1 (33,27)	26.7 (28,33)	26.8 (22,35)	29.7 (23,12)
Degree-Days > 10C	3062 (197,31)	2812 (213,29)	2945 (196,28)	2912 (198,35)	2630 (233,13)

PG	High Low Rel.	High Low Rel.	High Low Rel.	High Low Rel.	High Low Rel.
Pavement Temperature, C	57.1 -17.8	55.0 -16.8	56.1 -16.1	55.8 -17.1	53.4 -19.2
50% Reliability PG	58-22 (80,84)	58-22 (98,90)	58-22 (95,94)	58-22 (97,90)	58-22 (98,75)
>50% Reliability PG	64-22 (98,84)	58-28 (98,98)	58-28 (95,98)	58-28 (97,98)	58-28 (98,98)
=	64-28 (98,98)		64-28 (98,98)	64-28 (98,98)	
=					
=					
=					

? PG Chart Save Cancel

Five Closest Weather Stations

PG Binder Selection

Parameter	A=2 km	B=39 km	C=40 km	D=50 km	E=58 km
Station ID	✓CO7031	✓CO1741	✓CO3359	✓CO0214	✓CO5484
Elevation, m	4942	5553	5341	5275	5799
Degree-Days >10 C	3062	2812	2945	2912	2630
Low Air Temperature, C	-26	-24.7	-23.6	-25.1	-27.8
Low Air Temp. Std Dev	5	4.8	4.2	4.2	5

Input Data

Latitude, Degree: 39.55 Lowest Yearly Air Temperature, C: -25.4

Yearly Degree-Days>10 Deg.C: 2872 Low Air Temp. Standard Dev., Deg C: 4.6

Temperature Adjustments

Base HT PG: 58

Desired Reliability, %: 98

Depth of Layer, mm: 0

Traffic Adjustments for HT

Traffic Loading	Fast	Slow
Up to 3 M. ESAL	0.0	2.7
3 to 10 M. ESAL	7.1	9.5
10 to 30 M. ESAL	12.3	14.5
Above 30 M. ESAL	14.5	16.6

PG Temperature	HIGH	LOW
PG Temp. at 50% Reliability	55.5	-17.4
PG Temp. at Desired Reliability	57.8	-25.4
Adjustments for Traffic	2.7	
Adjustments for Depth	0.0	0.0
Adjusted PG Temperature	60.5	-25.4
Selected PG Binder Grade	64	-28

? Recalculate PG Save Cancel

Top Mat Recommended Binder – PG 64-28

Asphalt Binder Selection Data

PG Binder Selection

Parameter	A=2 km	B=39 km	C=40 km	D=50 km	E=58 km
Station ID	✓CO7031	✓CO1741	✓CO3359	✓CO0214	✓CO5484
Elevation, m	4942	5553	5341	5275	5799
Degree-Days >10 C	3062	2812	2945	2912	2630
Low Air Temperature, C	-26	-24.7	-23.6	-25.1	-27.8
Low Air Temp. Std Dev	5	4.8	4.2	4.2	5

Input Data

Latitude, Degree
39.55
Lowest Yearly Air Temperature, C
-25.4

Yearly Degree-Days>10 Deg.C
2872
Low Air Temp. Standard Dev., Deg C
4.6

Temperature Adjustments

Base HT PG
58

Desired Reliability, %
98

Depth of Layer, mm
50

Traffic Adjustments for HT

Traffic Speed

Traffic Loading	Fast	Slow
Up to 3 M. ESAL	0.0	2.7
3 to 10 M. ESAL	7.1	9.5
10 to 30 M. ESAL	12.3	14.5
Above 30 M. ESAL	14.5	16.6

PG Temperature	HIGH	LOW
PG Temp. at 50% Reliability	55.5	-17.4
PG Temp. at Desired Reliability	57.8	-25.4
Adjustments for Traffic	2.7	
Adjustments for Depth	-4.9	3.0
Adjusted PG Temperature	55.6	-22.4
Selected PG Binder Grade	58	-28

?
Recalculate PG
Save
Cancel

Lower Lift Recommended Binder – PG 58-28



MARTINEZ WESTERN CONSTRUCTORS INC
Rifle, Colorado (970) 989-5358

Craig

As per previous discussion MWC is providing this preliminary analysis of removing concrete pavement and placing Concrete Pavement.

General Comments and assumptions

- Assumes replacing 6" asphalt over 12" Class 6 Base with 8.5" class D concrete over 6" class 6 per Geotechnical report.
- Assumes Utilization of CDOT Standards for jointing, dowel bars/basket, tie bars, cure, saw cutting, and sealing joint
- Assumes a total paved area of 4,490 SY. 1333 SY on 3rd Street and 3157 SY on Railroad Avenue.
- Paved area considered is at the end of crosswalks at West Ave, East Ave, 2nd St, and match line on RR near 5th St.
- Lifecycle costs assume 2 projects of repair to Asphalt
- Time value of money is not included in the life cycle costs but can easily increase costs included below as much as 50%.
- 40-year evaluation period – this is typical and allows for making a fairer comparison of asphalt pavement that is designed for 20 years & concrete pavement designed for 30 years Life
- 1.38% discount rate – this is the published rate currently being used by CDOT, and it is based on the 10-year running average of the 30-year real treasury interest rate published by the US OMB.
- Rehabilitation costs include estimated design costs, project oversight, and City costs and expenses but are assumed to be per event *multiplier on the rehabilitation projects to account for design (10%), construction management (10%) & traffic control costs (15%), for a total of 35% added to each project. But do not account for indirect costs for City management and personnel of added impacts to business on at least three additional occasions*
- Stakeholder costs are an intangible value that the City will understand better than a contractor

Summary of Costs

Total Concrete Pavement 4490 SY @ \$81/SY (8.5")	\$363,690.00
Reduction of Class 6 1347 tons@ \$40 (bid value)	(\$53,880.00)
Total Asphalt 1555 tons @ \$112/TN (Assumes 110 Lbs./inch/SY)	<u>\$174,247.00</u>
Unadjusted increase	\$135,563.00
Asphalt Rehabilitation Cost \$38/SY direct and 35% development \$51.3/SY	<u>(\$230,333.7)</u>
NET CITY AND TAXPAYER SAVINGS	\$94,774.00



MARTINEZ WESTERN CONSTRUCTORS INC
Rifle, Colorado (970) 989-5358

Please note that adding Railroad Avenue as a consideration eliminates an extension of pricing and makes this a negotiable unit price adjustment. Accordingly adding RR reduces bid price from \$99/SY to \$81/SY and reduces the cost of concrete pavement on 3rd St. by \$24,000.00.

Additional saving opportunities

It should be noted that the above calculations are based on 8.5" concrete pavement. Every ½" reduction in concrete reduces the U.P./ SY by \$2.5. Engineering has confirmed that 3rd St. can be 7" and most sources indicate that RR should not be greater than 8"

Respectfully

Paul Martinez
Martinez Western
970-989-5358



Agenda Item #7.c.

Agenda Item Name:

Consider amending Chapter 7, Article VI of the Rifle Municipal Code Regarding Impounded Animals - Ordinance No. 2, Series of 2021 - 1st reading

Presenter:

Kathy Pototsky, Court Clerk / PIO

Item Description:

Ordinance No. 2, Series of 2021

An ordinance amending Chapter 7, Article VI of the Rifle Municipal Code Regarding Impounded Animals.

Recommended Action:

Approval of Ordinance No. 2, Series of 2021.

Fiscal Impact:

Operational Impact:

Prior Board Motions:

Background Information:

This amendment arises from an issue we have been having with repeat offenders of our animal ordinances. Right now, the only options for the judge at a hearing is to determine the animal vicious and order it put down. We have deemed it necessary to follow the lead of other jurisdictions and add provisions for irresponsible owners and also provide options other than putting the animal down such as surrender to the shelter and adoption.

Executive Summary:

Notification Requirements:

Prepared By:

Kathy Pototsky, Court Clerk / PIO

Attachments:

1. Ordinance No. 2-Irresponsible Pet Owners

**CITY OF RIFLE, COLORADO
ORDINANCE NO. 2
SERIES OF 2021**

AN ORDINANCE OF THE CITY OF RIFLE, COLORADO AMENDING
CHAPTER 7, ARTICLE VI OF THE RIFLE MUNICIPAL CODE REGARDING
IMPOUNDED ANIMALS.

WHEREAS, the City of Rifle (“Rifle” or the “City”) is a home-rule municipality organized pursuant to Article XX of the Colorado Constitution and with the authority of the Rifle Home Rule Charter; and

WHEREAS, Chapter 7, Article VI of the City of Rifle Municipal Code (the “Code”) sets forth the City’s regulations regarding animals; and

WHEREAS, the City Council finds and determines that the following amendments to Chapter 7, Article VI of the Code regarding impounded animals are in the best interest of the public health, safety and welfare of the citizens of Rifle.

NOW, THEREFORE, THE COUNCIL OF THE CITY OF RIFLE, COLORADO, ORDAINS THAT:

1. The foregoing recitals are incorporated by reference as findings and determinations of the City Council.

2. Section 7-6-10 of the Code is hereby amended with the addition of the following definition:

Irresponsible animal owner means a person who owns, keeps or harbors one or more animals and has violated, three or more times, one or more ordinances or statutes that regulate animal ownership or animal behavior.

3. Section 7-6-90(c) of the Code is hereby amended as follows, with underlined text added:

Sec. 7-6-90. – Impounded Animals.

* * *

- (c) Disposition of impounded animal being held pending Municipal Court proceedings. If an animal is impounded and is being held pending Municipal Court proceedings for any violation of the provisions of this Article, the animal may not be released except on the order of the Municipal Court. The Municipal Court may order said animal to be euthanized in a humane manner or surrendered if, after a judicial hearing, it finds that: (1) such animal is vicious and that it represents a clear and present danger to the citizens or other animals in the community; or (2) the animal is experiencing extreme pain or suffering; or (3) the owner is found to be an

irresponsible animal owner. Any animal which remains unclaimed for five (5) days after its release has been ordered by the Municipal Court may be euthanized or placed for adoption at the discretion of the animal shelter. The owner shall be liable for the costs of the care, keeping or disposal of the animal, including but not limited to payment of a bond for the cost of impoundment pending court proceedings pursuant to Section 18-9-202.5, C.R.S.

INTRODUCED on April 7, 2021 read by title, passed on first reading, and ordered published as required by the Charter.

INTRODUCED a second time at a regular meeting of the Council of the City of Rifle, Colorado held on April 21, 2021, passed without amendment, approved, and ordered published in full as required by the Charter.

DATED this _____ day of _____, 2021.

CITY OF RIFLE, COLORADO

By _____
Mayor

ATTEST:

City Clerk



Agenda Item #7.d.

Agenda Item Name:

Consider awarding contract to CKC Operations, LLC for the 2021 Crack Sealing

Presenter:

Craig Spaulding, Civil Engineer

Item Description:

Consider awarding contract to CKC Operations, LLC for the 2021 Crack Sealing

Recommended Action:

Move to award the 2021 Crack Sealing contract to CKC Operations, LLC in the amount of \$42,282.00

Fiscal Impact:

Reduction of costs to replace asphalt surfaces or install overlays by prolonging surfaces and their performance.

Operational Impact:

Reduced maintenance efforts and pothole filling. This type of work is a part of regular street maintenance, so by awarding this contract, the Streets Maintenance Section will be able to address numerous other maintenance items.

Prior Board Motions:

None

Background Information:

Beginning in 2019 streets have received annual surveys to measure both condition and remaining service life. This was then incorporated into a Street Maintenance and Capital plan.

A critical part of the maintenance plan is the understanding that in 1 year an unmaintained street loses 1 year of service life. Rifle has 44 miles of streets which means in a year without maintenance the street network loses 44 mile-years. The goal with Rifle's pavement management plan is to add at a minimum, 44 mile-years to the street network each year.

When deciding on what operation to perform to maintain the remaining service life it must be understood that routine maintenance such as crack seal is performed at \$0.60/sy but a major rebuild is \$60.00/sy. This relationship can be seen on the Street Capital and Maintenance Plan on the website and is also included in the packet.

As roads age the costs of repair increase by orders of magnitude. This is why the crack sealing operations that began in 2020 are so important to maintaining Rifles Streets. This is also seen in the annual street surveys that are also attached. In 2019 the average remaining service life (RSL) of Rifle's streets was 7.95 years. In spring of 2021 the remaining service life is 8.44 years.

Executive Summary:

Bids for the 2021 crack sealing were posted on March 3, 2021 and received on March 19, 2021. Six qualified bids were received of which CKC Operations, LLC was the lowest.

Notification Requirements:

None

Prepared By:

Craig Spaulding, Civil Engineer

Attachments:

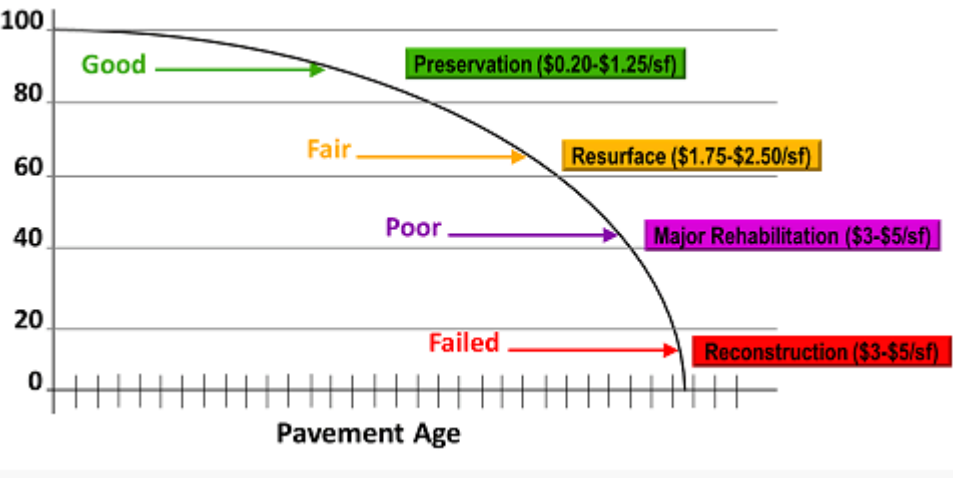
1. Crack Sealing 2021 Bid Ranking
2. Crack Sealing 2021 Bid Tab
3. Streets Capital and Maintenance Plan _ Rifle, CO - Official Website
4. 2021 Crack Seal Cover Page
5. PURCHASE REQUEST-2021 Crack Seal_CKC Operations 3-30-21
6. 2019 RSL Summary
7. 2021 RSL Summary
8. Crack Sealing 2021 Advertisement for Bid

	Total	Adjusted Total with Local's Preference	% Eng Est
CKC Operations, LLC	\$ 42,282.00	\$ 42,282.00	74%
Armor Proseal	\$ 49,798.80	\$ 49,798.80	87%
TNT Striping LLC	\$ 54,810.00	\$ 52,069.50	91%
Lion Construcion and Paving	\$ 53,517.10	\$ 52,179.17	91%
Superior Asphalt LC	\$ 56,295.60	\$ 56,295.60	98%
Engineer's Est	\$ 57,315.60	\$ 57,315.60	100%
Valley Pavement Maintenance	\$ 70,156.80	\$ 70,156.80	122%

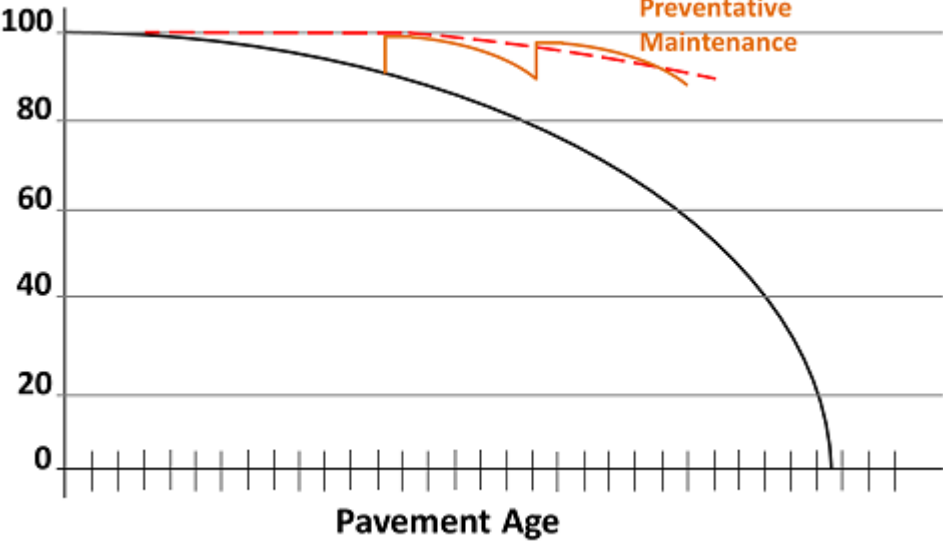
			Engineer's Est		Superior Asphalt LC		Lion Constructon and Paving		TNT Striping LLC		CKC Operations, LLC		Armor Proseal		Valley Pavement Maintenance	
Roads	Qty [lb.]		Unit Cost	Cost	Unit Cost	Cost	Unit Cost	Cost	Unit Cost	Cost	Unit Cost	Cost	Unit Cost	Cost	Unit Cost	Cost
Centennial Parkway Crack Sealing: shall include all traffic control, mobilization, demobilization, materials, and equipment. All costs incidental to the preparation of the surface prior to application of the hot poured joint and crack sealant will not be paid for separately, but shall be included in the work. per lb Centennial Parkway, Access Road	4775	\$	1.83	\$ 8,738.25	\$ 1.78	\$ 8,499.50	\$ 1.70	\$ 8,117.50	\$ 1.75	\$ 8,356.25	\$ 1.35	\$ 6,446.25	\$ 1.59	\$ 7,592.25	\$ 2.24	\$ 10,696.00
Prefontaine Mesa Crack Sealing: shall include all traffic control, mobilization, demobilization, materials, and equipment. All costs incidental to the preparation of the surface prior to application of the hot poured joint and crack sealant will not be paid for separately, but shall be included in the work. per lb Fairway Ave, Elm Ave, Lind Ave, W. 3rd St, Hutton Ave, Prefontaine Av, Arnold Ct, Arnold Ave, Will Ave	9430	\$	1.83	\$ 17,256.90	\$ 1.78	\$ 16,785.40	\$ 1.70	\$ 16,031.00	\$ 1.75	\$ 16,502.50	\$ 1.35	\$ 12,730.50	\$ 1.59	\$ 14,993.70	\$ 2.24	\$ 21,123.20
North Rifle Crack Sealing: shall include all traffic control, mobilization, demobilization, materials, and equipment. All costs incidental to the preparation of the surface prior to application of the hot poured joint and crack sealant will not be paid for separately, but shall be included in the work. per lb Fairway Ave, East Ave, W. 26th St, W. 29th St, 30th St, W, 33rd St	6495	\$	1.83	\$ 11,885.85	\$ 1.78	\$ 11,561.10	\$ 1.70	\$ 11,041.50	\$ 1.75	\$ 11,366.25	\$ 1.35	\$ 8,768.25	\$ 1.59	\$ 10,327.05	\$ 2.24	\$ 14,548.80
Remove Existing Crack Seal and Seal Joints: shall include all traffic control, mobilization, demobilization, materials, and equipment. All costs incidental to the preparation of the surface prior to application of the hot poured joint and crack sealant will not be paid for separately, but shall be included in the work. per lb Coalmine Ave	4550	\$	1.83	\$ 8,326.50	\$ 1.90	\$ 8,645.00	\$ 1.72	\$ 7,826.00	\$ 1.75	\$ 7,962.50	\$ 1.35	\$ 6,142.50	\$ 1.59	\$ 7,234.50	\$ 2.24	\$ 10,192.00
Rifle Heights Crack Sealing: shall include all traffic control, mobilization, demobilization, materials, and equipment. All costs incidental to the preparation of the surface prior to application of the hot poured joint and crack sealant will not be paid for separately, but shall be included in the work. per lb Rifle Heights Dr, Clover Ct, Munro Av, Anvil View Ave, Beech St, Arabian Av, Rifle Heights Dr, 15th St, Balsam Ct	6070	\$	1.83	\$ 11,108.10	\$ 1.78	\$ 10,804.60	\$ 1.73	\$ 10,501.10	\$ 1.75	\$ 10,622.50	\$ 1.35	\$ 8,194.50	\$ 1.59	\$ 9,651.30	\$ 2.24	\$ 13,596.80
Total				\$ 57,315.60		\$ 56,295.60		\$ 53,517.10		\$ 54,810.00		\$ 42,282.00		\$ 49,798.80		\$ 70,156.80
Locals Preference				0%		0%		2.5%		5%		0%		0%		0%
Locals Preference Adj.				\$ -		\$ -		\$ 1,337.93		\$ 2,740.50		\$ -		\$ -		\$ -
Adjusted Total				\$ 57,315.60		\$ 56,295.60		\$ 52,179.17		\$ 52,069.50		\$ 42,282.00		\$ 49,798.80		\$ 70,156.80

Streets Capital and Maintenance Plan

Shown below is the life cycle of a typical asphalt roadway without routine maintenance. The road stays in good condition for the first 75% of its life and then rapidly degrades, usually after about 20 years.



If the same road above receives regular maintenance the road’s life can be extended without reconstruction. Every jump in the red line below represents an improvement to the road that restores it to near its original condition. If done early, each jump can be 40 times cheaper than a complete rebuild. (To rebuild 1 block of road costs around \$253,500.00. To place a protective surface such as a Microsurface on 1 block of asphalt costs \$5,950.00.)



What this means for Rifle’s Roads

It is the City of Rifle’s priority to keep good roads good with routine maintenance and not let them fail. Currently 66% of roads in Rifle are in good condition. These are the roads that will be the highest priority. 22% of roads in Rifle are in fair condition and can be repaired with resurfacing. It is important that these roads are resurfaced before they become failed or poor. The remaining 13% of Rifle’s roads are failed or poor. These roads will be rebuilt as major rebuilds and Capital Improvements which will utilize grant funding. These roads will be prioritized by urgency of repair and will be scheduled as funds/grants are available.

A detailed table of the Streets Capital and Maintenance Plan can be accessed here: [/DocumentCenter/View/11944](#)

CONTACT US

Brian Prunty

Public Works Director

[Email](#)

Phone: (970) 665-6559

Office Location

Rifle City Hall

Level 1 - Public Works suite

Normal Office Hours

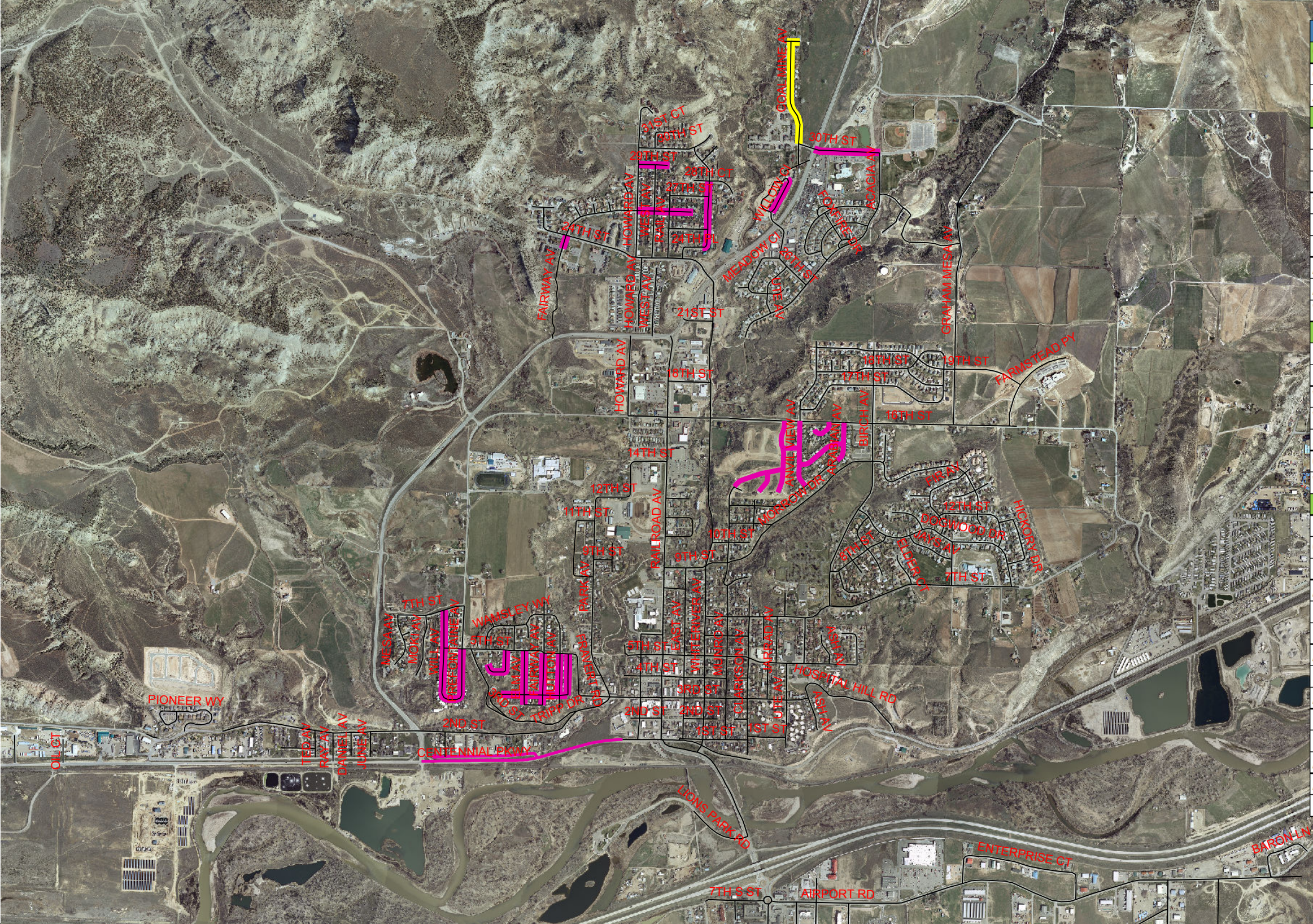
Monday - Friday
8:00am - 5:00pm

Mailing Address

202 Railroad Ave
Rifle, CO 81650

► **Page Navigation:**

202 Railroad Ave. Rifle, CO 81650 Phone: (970) 665-6400 Monday - Friday 8:00a.m. to 5:00 p.m.



Road Name	Area yd^2	Qty [lb.]
Centennial Parkway		
CENTENNIAL PKWY	14826.66	3558.3984
ACCESS RD	5060.00	1214.39928
Prefontaine Mesa		
FAIRWAY AV	4187.71	1005.05112
ELM AV	5300.64	1272.15262
LIND AV	1668.85	400.524384
W. 3RD ST	13639.43	3273.46344
HUTTON AV	3063.82	735.31656
PREFONTAINE AV	2861.20	686.68752
ARNOLD CT	1623.70	389.68824
ARNOLD AV	1219.88	292.77216
WILL AV	5410.35	1298.48376
North Rifle		
FAIRWAY AV	801.12	192.268896
EAST AV	9119.81	2188.75344
W. 26TH ST	3565.16	855.63888
W. 29TH ST	1890.43	453.703848
30TH ST	9678.36	2322.80544
COALMINE AV	9097.05	4548.5255
W. 33RD ST	1010.46	242.510736
Rifle Heights		
RIFLE HEIGHTS DR	1397.30	335.35248
CLOVER CT	1333.48	320.034
MUNRO AV	2185.49	524.51664
ANVILVIEWAV	1378.19	330.76632
MUNRO AV	939.17	225.401352
RIFLE HEIGHTS DR	1313.91	315.33912
ANVILVIEWAV	2521.81	605.23368
BEECH ST	2958.63	710.07168
ARABIAN AV	2326.74	558.4176
RIFLE HEIGHTS DR	1689.35	405.44472
15TH ST	993.58	238.458384
ANVILVIEWAV	2521.81	605.23368
ARABIAN AV	2326.74	558.4176
BALSAM CT	1395.80	334.99248

Legend

Crack Seal Type

- █ Remove Loose Existing Crack Seal and Seal Cracks
- █ Crack Seal

City of Rifle
2021 Crack Sealing



Coordinate System: NAD 1983 UTM Zone 13N
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 500,000.0000
False Northing: 0.0000
Central Meridian: -105.0000
Scale Factor: 0.9996
Latitude Of Origin: 0.0000
Units: Meter



CITY OF RIFLE PURCHASE REQUEST

1.	Vendor Name	NEW: W-9 attached ☐
	CKC Operations, LLC	

2.	Vendor Address
	P.O. Box 184
	Alamont, Utah 84001

3.	For the Purchase of (description)
	Construction Services for 2021 Crack Sealing

4.	Amount Requested	Amount Budgeted	Finance Director Verified Funds Avail.
	\$42,282.00	\$60,000	

5.	Dept. Name	General Ledger Acct #
	Public Works	201-4312-400-641 (\$25,369.20 SIF, \$16,912.80 Devolution)

6.	Type of Purchase																
	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20px; text-align: center;">x</td><td>Capital Construction</td></tr> <tr><td></td><td>Capital Construction – Change Order</td></tr> <tr><td></td><td>Capital Equipment</td></tr> <tr><td></td><td>Plant Equipment</td></tr> <tr><td></td><td>Materials, supplies, non-profession/technical services (includes computer/software maint.)</td></tr> <tr><td></td><td>Professional Services</td></tr> <tr><td></td><td>Utilities (includes equipment installation)</td></tr> <tr><td></td><td>Land, easements, ROW</td></tr> </table>	x	Capital Construction		Capital Construction – Change Order		Capital Equipment		Plant Equipment		Materials, supplies, non-profession/technical services (includes computer/software maint.)		Professional Services		Utilities (includes equipment installation)		Land, easements, ROW
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	Capital Construction – Change Order																
	Capital Equipment																
	Plant Equipment																
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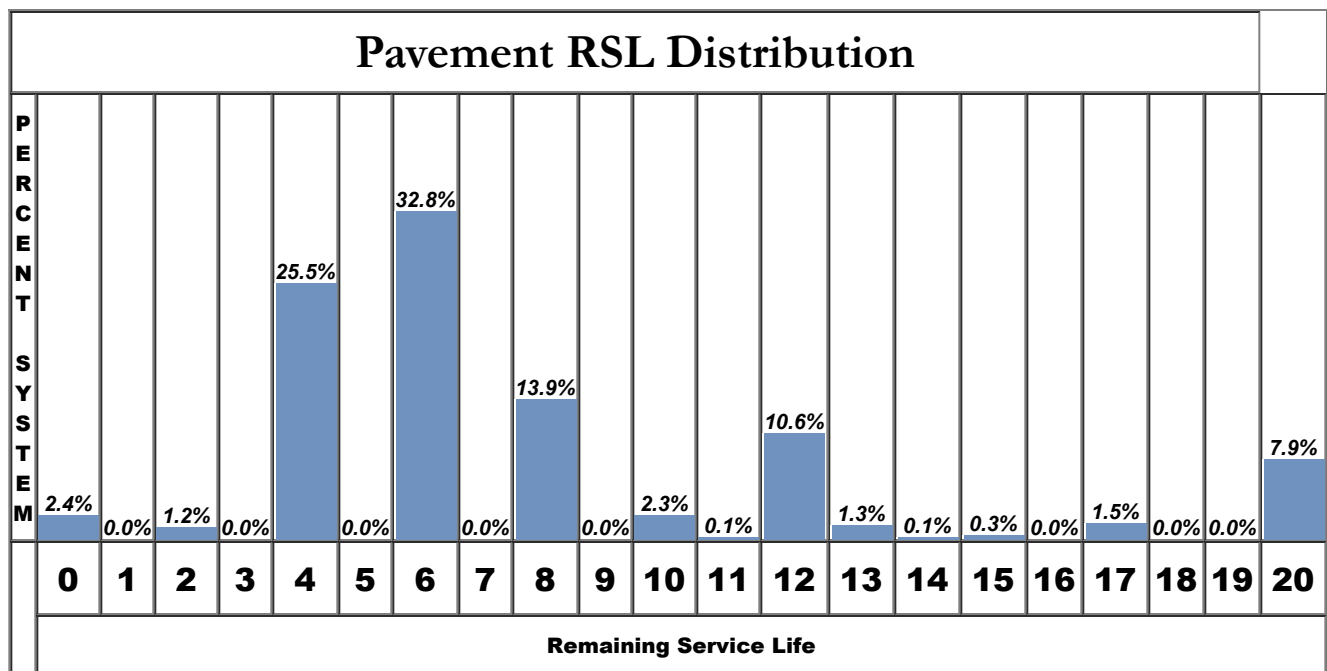
7.	Purchasing Process Required												
	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20px;"></td><td>Cooperative Purchasing</td></tr> <tr><td></td><td>Open Market</td></tr> <tr><td></td><td>Comparative Pricing</td></tr> <tr><td></td><td>Request for Proposal (attach bid tab)</td></tr> <tr><td style="text-align: center;">x</td><td>Formal Bid (attach bid tab and advertisement)</td></tr> <tr><td></td><td>Single Source (attach an explanation)</td></tr> </table>		Cooperative Purchasing		Open Market		Comparative Pricing		Request for Proposal (attach bid tab)	x	Formal Bid (attach bid tab and advertisement)		Single Source (attach an explanation)
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	Open Market												
	Comparative Pricing												
	Request for Proposal (attach bid tab)												
x	Formal Bid (attach bid tab and advertisement)												
	Single Source (attach an explanation)												

8.	Authorization Required				
	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 20px;"></td><td>City Manager</td></tr> <tr><td style="text-align: center;">x</td><td>City Council</td></tr> </table>		City Manager	x	City Council
	City Manager				
x	City Council				

9.	Signatures		
	Position	Signature	Date
	Department Director		
	City Manager		
	City Council Approval (meeting date)		
10.	Purchase Order # assigned by Finance		

General summary of purchasing ordinance (Section 4, Art. III)

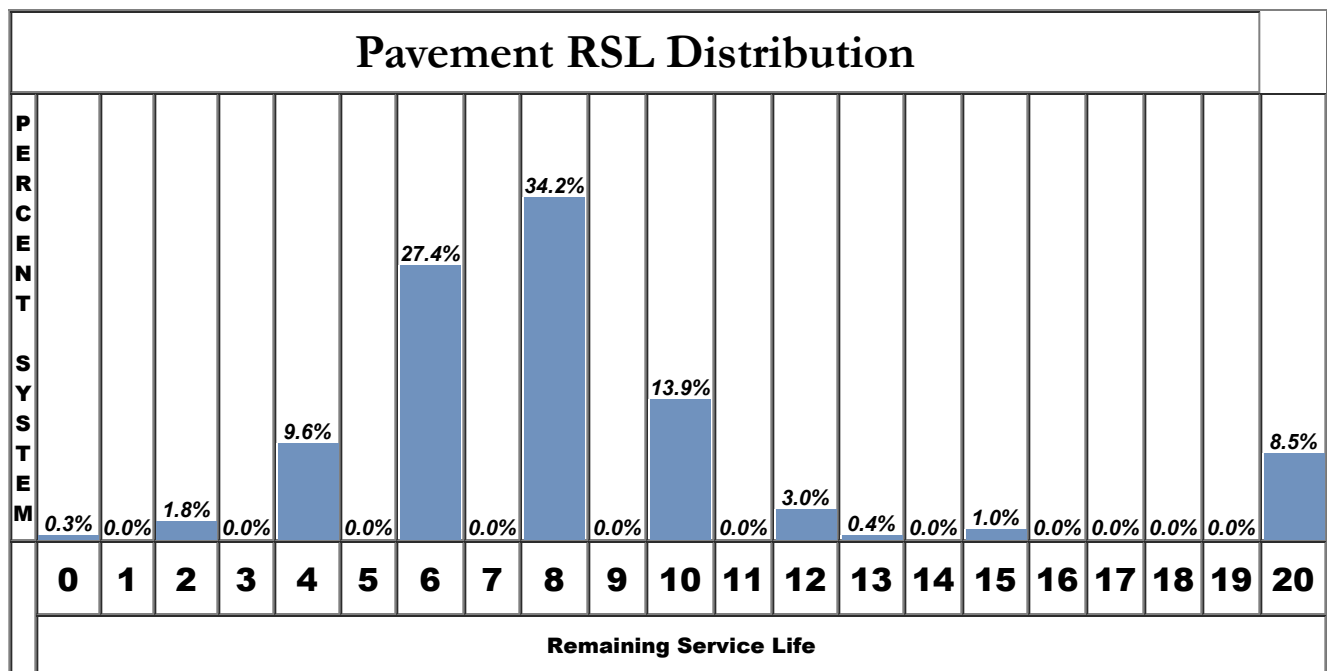
TYPE OF CONTRACT	ESTIMATED AMOUNT	PROCESS	Purchase Order? Purchase Request?	CITY COUNCIL APPROVAL REQUIRED?
Capital Construction	< \$5,000	Open Market (informal evaluation by purchasing agent)	> \$5,000 - PO	Yes if over \$20,000 or for any amount from Capital Fund.
	\$5,000-\$20,000	Comparative Pricing (solicit quotes from 3) vendors/suppliers)	Purchase Request	
	\$20,001-\$100,000	Competitive Bid (see Code Sec 4-3-40)		
	> \$100,000	Bonded Competitive Bid		
Capital Construction Change orders	< = 10% of approved contract	When total change orders to date are < 10% - Dept Head or City Manager Approval	Purchase Request	Yes if total change orders to date are greater than 10%
	> 10% of approved contract			
Capital Equipment	< \$5,000	Open Market (informal evaluation by purchasing agent)	> \$5,000 - PO	Yes if over \$20,000 or for any amount from Capital Fund.
	\$5,000-\$20,000	Comparative Pricing (solicit quotes from 3 vendors/suppliers)	Purchase Request	
	> \$20,000	Competitive Bid (see Code Sec 4-3-40)		
Plant Equipment Replacement (purchases necessary for replacement of existing equipment that is component part of any water, wastewater, or physical plant)	< \$7,500	Open Market (informal evaluation by purchasing agent)	> \$5,000 - PO >= \$5,000 - Purchase Request	Yes if over \$75,000
	\$7,500-\$75,000	Comparative Pricing (solicit quotes from 3 vendors/suppliers)	Purchase Request	
	>\$75,000	Competitive Bid (see Code Sec 4-3-40)		
Materials, Supplies, Non- Professional Services and Technical Services (including software/hardware maintenance technical services)	< \$10,000	Open Market (informal evaluation by purchasing agent)	> \$5,000 - PO >= \$5,000 - Purchase Request	Yes if over \$20,000
	>\$10,000	Comparative Pricing (solicit quotes from 3 vendors/suppliers)	Purchase Request	
Professional Services (note- process for appointed positions such as auditor, attorney, engineer, or municipal judge to be determined by Council)	< \$25,000	Open Market (informal evaluation by purchasing agent)	All - Purchase Request	Yes if anticipated to exceed \$25,000 per year to a single vendor
	> = \$25,000	Written requests for written proposals must be sent to at least 3 firms or individuals		
Utilities including installation of equipment (purchases to secure utility services such as natural gas, electricity, local telephone, water, or sewer)	any amount	Single Source (negotiations, where appropriate, after good faith determination that only one viable source exists in relevant supply area - keep records for one year)	> \$5,000 - PO >= \$5,000 - Purchase Request	No
Real Property Interest (including easements and rights of way)	any amount	Single Source (see above)	> \$5,000 - PO >= \$5,000 - Purchase Request	Yes if over \$5,000.



The Average RSL for network is: 7.95

The Total Area for network is: 1484561.97 (yd^2)

RSL	Length (ft)	Area (yd^2)	Percent Area
20	29,283	117,071	7.9
17	6,372	22,203	1.5
15	1,536	5,049	0.3
14	653	2,104	0.1
13	6,577	19,324	1.3
12	49,304	157,578	10.6
11	477	1,909	0.1
10	8,421	33,863	2.3
8	57,985	206,848	13.9
6	124,289	486,692	32.8
4	108,290	378,426	25.5
2	5,431	18,354	1.2
0	12,453	35,141	2.4



The Average RSL for network is: 8.44

The Total Area for network is: 1484561.97 (yd^2)

RSL	Length (ft)	Area (yd^2)	Percent Area
20	30,972	126,071	8.5
15	4,142	14,708	1.0
13	1,985	5,749	0.4
12	22,756	44,476	3.0
10	51,163	206,350	13.9
8	142,279	507,009	34.2
6	102,847	406,959	27.4
4	45,011	142,072	9.6
2	7,968	26,021	1.8
0	1,949	5,149	0.3

ADVERTISEMENT FOR BIDS

Separate sealed BIDS for the construction of the **Crack Sealing 2021** will be received at the **Council Chambers, Rifle City Hall, 202 Railroad Avenue, Rifle, CO.** until 2:00pm, on March 19, 2021, at which time they will be publicly opened and read aloud.

This project involves public notification, traffic control, preparation and installation of crack treatments for:

2 Streets along Centennial Parkway, 19,887 SY, 4775 lb sealant
9 Streets on Prefontaine Mesa, 38,976 SY, 9430 lb sealant
7 Streets in North Rifle, 36,172.85 SY, 6495 lb sealant
9 Streets in Rifle Heights, 25,282 SY, 6070 lb sealant

Coalmine Ave has existing crack sealant that must be removed and disposed as part of the preparation of the joint. Centennial Parkway will be closed by the City of Rifle until April 23rd and crack sealing is expected to take place during this road closure.

Materials used for crack treatments shall be per the technical specifications contained in the project manual. All cracks including the asphalt to curb and gutter transition shall be cleaned and treated per the project maps. If all cracks on the project map have been treated and there is crack sealant materials remaining crack sealing will continue in same project area until all crack sealant materials have been used. If all cracks on the project have been treated and there is mastic materials remaining, the remaining mastic shall be returned to owner at material cost plus 15%.

Traffic Control shall be a mobile one lane configuration where the flagger in the back of the operation remains far enough behind the placement of crack sealing to ensure temperatures are adequate for live traffic. A minimum of two flaggers shall be required at all intersections and blind corners.

Payment will be made per lb. which shall include all traffic control, mobilization, demobilization, materials, and equipment. All costs incidental to the preparation of the surface prior to application of the hot poured joint and crack sealant will not be paid for separately, but shall be included in the work.

A Bid Bond in the amount of 5% of bid price is required, and a Performance and a Payment Bond, each in the amount of 100% of bid, will be required. Bid Award will be the April 7, 2021 Council Meeting. Time of Commencement of the Work is anticipated to be no later than April 19, 2021, with completion by May 7, 2021.

A PREFERENCE FOR LOCAL CONTRACTORS WILL BE APPLIED BY THE OWNER WHEN SELECTING A CONTRACTOR.

There will be no mandatory pre-bid meeting. Site visit meetings can be scheduled using the contact information below.

Digital copies of the Contract Documents may be downloaded from the City website at <http://www.rifleco.org/216/Projects-Out-To-Bid> for free. Contact Craig Spaulding, cspaulding@rifleco.org, 970-665-6556 for questions or issues with downloading the documentation.



Agenda Item #7.e.

Agenda Item Name:

Consider Purchase of Medium Duty Snowplow Truck

Presenter:

Brian Prunty, Public Works Director
Colton Secary

Item Description:

Purchase of a medium-duty snowplow truck

Recommended Action:

Motion to purchase a 2021 Dodge 5500 chassis to be up-fitted with equipment and components for use as a snowplow and haul truck in the amount of \$90,000.75.

Fiscal Impact:

Lowers maintenance costs and repair costs.

Operational Impact:

The ability to respond quickly and with confidence to most snowfall events plus this truck provides the flexibility of use throughout the year for hauling and towing tasks.

Prior Board Motions:

None

Background Information:

The City's aging truck fleet affects our ability to address winter storm events quickly with certainty that the vehicle won't break down. While we were considering a larger and more expensive vehicle, this purchase addresses our current needs and is cost effective.

Executive Summary:

Due to breakdowns, this is a necessary purchase to provide for continuity and reliability of snow plowing services by the City. The configuration of this truck provides flexibility of service throughout the year and durability in service in excess of 15 years.

Notification Requirements:

None

Prepared By:

Brian Prunty, Public Works Director

Attachments:

1. Memo to SHahn re Purch of Med Duty Snowplow
2. medium duty snow plow rec
3. Medium duty plow upfit justification
4. Medium-duty snowplow upfit specs
5. Berthod Motors - Official price quote - Dodge 5500
6. Berthod Motors Quote - Dodge 5500
7. KoisBros_21-1210_55794
8. Berthod Motors - Dodge 5500 Purchase Request
9. Kois Brothers - Snowplow Upfit Purchase Request



TO: Scott Hahn, City Manager
FROM: Brian Prunty, Public Works Director
CC: Michelle Duran, Finance Director
DATE: March 30, 2021
RE: Purchase of a Medium Duty Snowplow

While we were able to build some new life back into one of our main, large snowplow trucks (Unit 585), it still must be considered as doubtful for service for the coming season. Therefore, this is a request for purchase of a replacement for Unit 585, a Freightliner snowplow truck.

Considering that we were looking at a large replacement for Unit 585, our first notion was a similar platform, i.e., large, and very heavy duty. However, given the constraints of funds and the fact that snowplowing requirements in recent years have weakened due to drought conditions, we set about specifying and engaging vendors for a medium duty snowplow. For a third of the cost of the truck we were considering at the end of 2020, we can get a dual-purpose, capable snowplow that will more than meet our needs.

Colton Secary, the O&M Supervisor, spoke with multiple vendors of the two main components: the truck chassis and the snowplow/spreader insert. Attached are the specifications and recommendations for both as prepared by Colton. We did not do an advertisement but developed specifications and contacted local truck vendors and equipment upfit suppliers who specialize in such equipment (three each) to provide quotes. I agree and endorse the recommendations by Colton and consider them thoughtful and spending conscious.

The total request is for \$90,000.75 in two Purchase Requests. The first for Berthod Motors for \$48,261 and a second for Kois Brothers Equipment Company (the spreader) for \$41, 739.75. We have approx. \$130,000 remaining in our budget line for the purchase of these items.

Attachments.

BGP





TO: Brian Prunty
FROM: Colton Secary
CC:
DATE: February 25, 2021
RE: Medium Duty Snowplow Specs and Recommendation

The following provides my reasoning for specification and selection of a snowplow truck for the maximization of utility and cost of operation.

Historically, the City of Rifle has utilized large single axle trucks in its snow removal operations. While this is often commonplace among municipalities, I believe that it is not always necessary. County and large municipalities may need the added capacity of de-icer due to long routes and lengthy turnaround times to reload. Our O+M department is rarely more than 10 minutes from our salt bin. The added cost of purchase and maintenance of these large vehicles is always earning returns. I have specified a nimbler and cost-effective truck to be upfitted as a plow, that can also be utilized in the summer unlike some of our current snowplows that spend most of the summer idle. Equipment shall conform to the following:

1. 5500 or 550 with a GVWR of 19,500 pounds or more
2. Turbo-diesel
3. Four-wheel drive
4. Regular cab with power locks and windows
5. Bluetooth radio for hands free communication during snow removal
6. 60-inch cab to axel distance for maneuverability
7. Snowplow prep package w/PTO provision
8. Manual DPF regeneration
9. Electrical accessory group
10. Trailer brake controller

My recommendation is for the Dodge 5500 model as provided by Berthod Motors in Glenwood Springs. The truck meets all specifications and is the low bid. Communication with other entities utilizing this same model has ensured this truck can fulfill these duties.





TO: Brian Prunty, Public Works Director
FROM: Colton Secary, O&M Supervisor
CC: Edward Meza
DATE: March 12, 2021
RE: Medium Duty Snowplow Purchase

Cab & Chassis

A 5500/550 chassis with a GVWR of 19,500 pounds has been selected to bear the weight of the dump body and spreader with a 3.6 cubic yard de-icer capacity. The front end of the truck will be upgraded to withstand the rigors of plowing as well as carry the 1,200 pound, 10 foot long, snow plow. The four wheel drive configuration will be necessary for plowing our steep sections of road with a rear dispensing salt spreader. Bluetooth compatibility makes for hands free communication while operating the equipment.

Stainless Construction

Stainless construction is quickly becoming standard for the movement of de-icing materials as they are extremely corrosive, and provide for a much extended service life. An added benefit is nice appearance for the life of the truck. All stainless beds considered will come with an AR plate for reinforcement for summertime work hauling heavier, coarse materials like pit run.

Plow

A 10 foot plow is a nice balance between the larger snow moving capabilities of equipment with CDL requirements with 12 foot plows, and maneuverability of the 8 to 9 foot plows usually seen on trucks of this size.

Rear Insert Spreader

Rear insert salt spreaders contain the corrosive de-icer and dispense it without the hazards involved in raising the bed on the road. They can also be removed to make the truck a more versatile, year round working asset. It is preferred that this spreader be driven with hydraulics from the PTO to remove issues and maintenance associated with auxiliary pony motors.

Colton Secary
Operations and Maintenance Supervisor





March 12, 2021

TO: Vendors and Prospective Bidders for City of Rifle Equipment

FROM: Colton Secary, Operations and Maintenance Supervisor

SUBJECT: Specifications for Medium-Duty Snowplow Truck Upfit

Equipment shall conform to the following:

1. 5500/550 cab and chassis build
2. Four wheel drive capability
3. 60 inch cab to axel measurement
4. Diesel motor with HD automatic transmission powertrain
5. Power take off driven bed hoist.
6. 10' Heavy Duty plow
7. Stainless dump body (min. 10-ga. plate construction)
8. Stainless rear sand/salt spreader
9. Hydraulic package
10. Light package with strobes for snow removal
11. Hitch plate
12. Back up alarm

Equipment is preferred to have:

- Hydraulic driven salt/sand spreader





Purchase Agreement

Steve Kyle
Berthod Motors Chrysler Dodge Jeep Ram
400 27th St
Glenwood Springs, CO 81601

Buyer	Co-Buyer	Vehicle
City Of Rifle City Rifle 202 Railroad Ave Rifle, CO 81650		0 VIN: Stock #: Mileage: Color:

Purchase Details	
Retail Price:	\$58,840.00
Sales Price:	\$53,972.00
Savings:	\$4,868.00
Accessories:	\$0.00
Service Contract:	\$0.00
Government Fees:	\$0.00
Proc/Doc Fees:	\$289.00
Estimated Taxes:	\$0.00
Total Sales Price:	\$54,261.00
Trade Allowance:	\$0.00
Trade Payoff:	\$0.00
Trade Equity:	\$0.00
Rebate:	\$6,000.00
Cash Down:	\$0.00
Cash Price:	\$48,261.00

X

Customer Signature

Date

X

Manager Signature

Date

Disclaimer:

Printed 2/26/21 11:37 AM

BERTHOD MOTORS INC
400 27TH STREET
GLENWOOD SPGS, CO 816014470

Configuration Preview

Date Printed: 2021-02-18 11:48 AM VIN: Quantity: 1
Estimated Ship Date: VON: Status: BA - Pending order

Sold to: BERTHOD MOTORS INC (24243)
400 27TH STREET
GLENWOOD SPGS, CO 816014470

Ship to: BERTHOD MOTORS INC (24243)
400 27TH STREET
GLENWOOD SPGS, CO 816014470

Vehicle: 2021 5500 REG CAB CHASSIS 4X4 (144.5 in WB - CA of 60 in) (DP0L63)

	Sales Code	Description	MSRP(USD)	FWP(USD)
Model:	DP0L63	5500 REG CAB CHASSIS 4X4 (144.5 in WB - CA of 60 in)	43,890	40,371
Package:	2YA	Customer Preferred Package 2YA	0	0
	ETN	6.7L I6 Cummins Turbo Diesel Engine	7,945	7,309
	DF2	6-Spd Auto Aisin AS69RC HD Trans	1,600	1,472
Paint/Seat/Trim:	PW7	Bright White Clear Coat	0	0
	APA	Monotone Paint	0	0
	*TX	HD Vinyl 40/20/40 Split Bench Seat	0	0
	-X8	Black/Diesel Gray	0	0
Options:	XHC	Trailer Brake Control	370	341
	ADH	Electrical Accessory Group	545	501
	XNR	Manual DPF Regeneration	245	225
	AHD	Heavy Duty Snow Plow Prep Group	345	317
	TY5	225/70R19.5G All Traction Tires	250	231
	LAY	LED Tail Lamps	95	88
	LBN	Power Take Off Prep	295	272
	TBB	Full Size Spare Tire	395	364
	A61	Tradesman Level 1 Equipment Group	1,045	961
	XAW	Rear Backup Alarm	145	133
	CJT	Delete Front Center Seat	-20	-19
	5N6	Easy Order	0	0
	174	Zone 74-Denver	0	0
	4EX	Sales Tracking	0	0
Destination Fees:			1,695	1,695
			= Restriction	

HB: 1,702
FFP: 53,793
EP: 51,748

Total Price: 58,840 54,261

Order Type: Retail
Scheduling Priority: 4-Dealer Order
Salesperson:
Customer Name:
Customer Address:

PSP Month/Week:
Build Priority: 99

Instructions:

MINUS
\$6000

Note: This is not an invoice. The prices and equipment shown on this priced order confirmation are tentative and subject to change or correction without prior notice. No claims against the content listed or prices quoted will be accepted. Refer to the vehicle invoice for final vehicle content and pricing. Orders are accepted only when the vehicle is shipped by the factory.



EQUIPMENT COMPANY INC.

DENVER
5200 Colorado Blvd.
Commerce City, CO 80022
Phone: 303-298-7370
Fax: 303-298-8527

BILLINGS
2107 Harnish Blvd.
Billings, MT 59101
Phone: 406-652-3975
Fax: 406-652-3744

GREAT FALLS
1610 River Drive North
Great Falls, MT 59401
Phone: 406-452-2757
Fax: 406-452-2799

DATE

03/26/21

QUOTE NO.

*** QUOTE

PAGE

1

21-1210

SOLD TO:

CITY OF RIFLE
COLTON SECARY 970-456-6701cell
1221 E. CENTENNIAL PARKWAY
RIFLE CO 81650

SHIP TO:

CITY OF RIFLE
COLTON SECARY 970-456-6701cell
1221 E. CENTENNIAL PARKWAY
RIFLE CO 81650

CUSTOMER PO	CUSTOMER NUM	SHIP VIA	SALESMAN	TERMS	CUSTOMER PHONE
QUOTE/BUDGET	18400	FOB DENVER	2	NET 10	970-625-2121

Colten,

We are pleased to submit the following quotation for your consideration. The equipment we are providing is supplying the best possible solution to your equipment needs. We strive to give the highest quality of equipment and on time delivery. Thank you for working with Kois Brothers Equipment Company. We look forward to meeting your needs. We meet 100% of the specifications as marked on the bid attached. Please look at options to the bid.

Sincerely,

Ernest J. Kois 720-951-1370 cell

Signed Order & DATE

Options:

All electric will reduce the price by about \$3000.00 or more. This is a full hydraulic package as requested.

*** These prices are good for 60 days and are subject to steel surcharges that may occur if a purchase order is not written within that time frame. Notifications of chassis hold up due to other manufacturing constraints must be clarified immediately of award. ***

Delivery is 90-120 days after receipt of chassis, unless otherwise notified due to chassis constraints and delivery.

PART NUMBER	DESCRIPTION	QTY ORD	UOM
SUPER YD BIRD SSBODY	*9'X7' STAINLESS BODY HYDRAULI	1.00	EA

SUPER DUTY YARD BIRD 9'X7' 3/16" HITEN FLOOR 10 GAUGE 201 STAINLESS STEEL BODY AND BALACNE 2.5 TO 3.5 YARDS 14" SIDES 20" ENDS WEIGHT IS 1831 WITH 1520 CLASS 30 HOIST WITH HYDRAULIC PUMP

*** NOT PAINTED DELIVERED WITH STAINLESS FINISH ***

7 GAUGE 201 FLOOR	*STAINLESSE STEEL IN LIEU STD	1.00	EA
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*** CONTINUED NEXT PAGE ***



EQUIPMENT COMPANY INC.

DENVER
5200 Colorado Blvd.
Commerce City, CO 80022
Phone: 303-298-7370
Fax: 303-298-8527

BILLINGS
2107 Harnish Blvd.
Billings, MT 59101
Phone: 406-652-3975
Fax: 406-652-3744

GREAT FALLS
1610 River Drive North
Great Falls, MT 59401
Phone: 406-452-2757
Fax: 406-452-2799

DATE
03/26/21
QUOTE NO.
*** QUOTE

PAGE
2
21-1210

SOLD TO:

CITY OF RIFLE
COLTON SECARY 970-456-6701cell
1221 E. CENTENNIAL PARKWAY
RIFLE CO 81650

SHIP TO:

CITY OF RIFLE
COLTON SECARY 970-456-6701cell
1221 E. CENTENNIAL PARKWAY
RIFLE CO 81650

CUSTOMER PO	CUSTOMER NUM	SHIP VIA	SALESMAN	TERMS	CUSTOMER PHONE
QUOTE/BUDGET	18400	FOB DENVER	2	NET 10	970-625-2121

PART NUMBER	DESCRIPTION	QTY	ORD	UOM
CABSHIELD 1/2 SIZE	*23" STAINLESS 201 GRADE	1.00		EA
QUICK INSTALL OPTION	*HOIST BODY INSTALL SETUP	1.00		EA
PTO DRIVE DIRECT MNT	*DOUBLE ACTING HOIST SETUP	1.00		EA
LABOR INSTALL	INSTALLATION LABOR	1.00		EA
MISC SHOP SUPPLIES	*INSTALL DUMP BODY HDRAULIC SE	1.00		EA
TRANSMISSION PTO	*MOUNT TO POWER DUMP & V-BOX	1.00		EA
9' STAINLESS STEEL	*MDVA 201 V-BOX SPREADER SLID'	1.00		EA

MDVA9' 944 HYDRAULIC SPREADER WITH SS MATERIAL AUGER DESIGN WITH SPINNER CONTROL ** REQUIRES DUAL DRIVE SPREADER CONTROL **
6" AUGER, 24" SPINNER WITH HOPPER MADE OF 14 GAUGE 201SS MATERIAL
INVERTED VE OVER TH AUGER 4 SECTION SCREENS TO BREAK UP MATERIAL
2 ADJUSTABLE INTERNAL BAFFLES FOR THE SPINNER ASSEMBLY, MEETS
BELOW THE cdL DRIVING REQUIREMENTS

HYDRAULIC SHORT HOSE	*KIT TO HOOK SPREADER TO TRUCK	1.00	EA
HYDRAULIC SPREADER	*CONTROLS FOR OPERATIONS OS CA	1.00	EA
FISHER 10' HC PLOW	*HEAVY DUTY REVERSABLE PLOW	1.00	EA

FISHERS EXTREME PLOW OPERATIONS FOR UNDER 26,000 GVWR

All returned goods must be accompanied by
invoice and are subject to handling charge after 30 days.

NO RETURNS AFTER 90 DAYS

A SERVICE CHARGE OF 2% PER MONTH, 24% PER ANNUM WILL BE ADDED TO ANY INVOICE NOT PAID.
BY THE LAST DAY OF THE MONTH IN WHICH IT IS DUE. WE ARE CONFORMING WITH THE FAIR LABOR
STANDARTDS ACT OF 1938 AS AMENDED. NOT RESPONSIBLE FOR TIMELOST DUE TO FIRES, STRIKES
OR CAUSES BEYOND OUR CONTROL. STENOGRAPHICAL AND CLERICAL ERRORS SUBJECT TO CORRECTION

THANK YOU FOR ALLOWING US TO QUOTE THESE ITEMS. YOUR COST IS

Sub Total	40,539.75
Sales Tax	0.00
F.E.T.	0.00
Freight	1,200.00

TOTAL	41,739.75



**CITY OF RIFLE
PURCHASE REQUEST**

1.	Vendor Name	NEW: W-9 attached ☐	
	Berthod Motors		
2.	Vendor Address		
	400 27th Street		
	Glenwood Springs, CO 81601		
3.	For the Purchase of (description)		
	Dodge 5500 Medium-duty		
	Truck Chassis		
4.	Amount Requested	Amount Budgeted	Finance Director Verified Funds Avail.
	\$48,261.00	\$130,000	<i>M. Swan</i>
5.	Dept. Name	General Ledger Acct #	
	PW/O&M	610-4900-400-742	
6.	Type of Purchase		
	☐ Capital Construction		
	☐ Capital Construction – Change Order		
	☒ Capital Equipment		
	☐ Plant Equipment		
	☐ Materials, supplies, non-profession/technical services (includes computer/software maint.)		
	☐ Professional Services		
	☐ Utilities (includes equipment installation)		
	☐ Land, easements, ROW		
7.	Purchasing Process Required		
	☐ Cooperative Purchasing		
	☐ Open Market		
	☐ Comparative Pricing		
	☐ Request for Proposal (attach bid tab)		
	☒ Formal Bid (attach bid tab and advertisement)		
	☐ Single Source (attach an explanation)		
8.	Authorization Required		
	☒	City Manager	
	☒	City Council	
9.	Signatures		
	Position	Signature	Date
	Department Director	<i>Brian Prunty</i>	3/30/2021
	City Manager	<i>Sam A. Hahn</i>	3/31/21
	City Council Approval (meeting date)		
10.	Purchase Order # assigned by Finance		



**CITY OF RIFLE
PURCHASE REQUEST**

1.	Vendor Name	NEW: W-9 attached ☐	
	Kois Brothers Equipment Company		
2.	Vendor Address		
	5200 Colorado Blvd.		
	Commerce City, CO 80022		
3.	For the Purchase of (description)		
	Snowplow upfit, including plow & spreader		
	for mount on the Dodge 5500		
4.	Amount Requested	Amount Budgeted	Finance Director Verified Funds Avail.
	\$41,739.75	\$130,000	<i>M. Duran</i>
5.	Dept. Name	General Ledger Acct #	
	PW/O&M	610-4900-400-742	
6.	Type of Purchase		
	☐ Capital Construction		
	☐ Capital Construction – Change Order		
	☒ Capital Equipment		
	☐ Plant Equipment		
	☐ Materials, supplies, non-profession/technical services (includes computer/software maint.)		
	☐ Professional Services		
	☐ Utilities (includes equipment installation)		
	☐ Land, easements, ROW		
7.	Purchasing Process Required		
	☐ Cooperative Purchasing		
	☐ Open Market		
	☐ Comparative Pricing		
	☐ Request for Proposal (attach bid tab)		
	☒ Formal Bid (attach bid tab and advertisement)		
	☐ Single Source (attach an explanation)		
8.	Authorization Required		
	☒	City Manager	
	☒	City Council	
9.	Signatures		
	Position	Signature	Date
	Department Director	<i>Brian Prunty</i>	3/30/2021
	City Manager	<i>Steve A. Hahn</i>	3/31/21
	City Council Approval (meeting date)		
10.	Purchase Order # assigned by Finance		



Agenda Item #7.f.

Agenda Item Name:

Consider Designation of Multiple Fleet Vehicles as Surplus

Presenter:

Brian Prunty, Public Works Director

Item Description:

Consideration of the removal of excess vehicles as surplus in accordance with Code for removal of Capital Purchases from City Fleet Inventory

Recommended Action:

Motion to designate vehicles listed as Surplus: Units 974, 368, 238, 792, 865, 1304, 559, 978, 1302, 1501, 979, 830, 424, 670, & 346

Fiscal Impact:

Reduction of maintenance, licensing, and insurance costs

Operational Impact:

Reduced Fleet Mechanic hours for maintenance

Prior Board Motions:

None

Background Information:

Executive Summary:

As provided for in our Code, designation of vehicles as surplus is necessary for those items purchased for \$10,000 or more. This reduces impact to our facilities and with the sale of these vehicles, it provides future maintenance and purchasing funds.

Notification Requirements:

None

Prepared By:

Brian Prunty, Public Works Director

Attachments:

1. Memo to CC re Spring 2021 Designation of Veh Surplus_bgp
2. Vehicle List for Desig of Surplus - Spring 2021



TO: Honorable Mayor Clifton and Councilors
FROM: Brian Prunty, Public Works Director and Fleet Manager
CC: Scott Hahn, City Manager
DATE: March 31, 2021
RE: Declaration of Out of Service Vehicles as Surplus

In accordance with the City of Rifle Code [Sec. 4-3-130] for the Sale of Real and Personal Property, I am requesting that the attached list of vehicles be designated as Surplus.

These vehicles are those that have been or are being replaced by new or lease vehicles, or are no longer suitable for service, or their cost of maintenance and repair is excessive or beyond the worth of the vehicle.

They will be disposed of by trade-in (Enterprise Fleet Mgmt. auction), public auction, or sealed bid in accordance with the Code. In a couple of instances, they may go to salvage. Disposal of these vehicles will reduce costs of licensing and any insurance costs currently incurred.

The date of designation shall be April 7, 2021. Funds from the disposal of these vehicles will fund future maintenance and purchasing needs.

Attachment.

BGP



City of Rifle

Vehicles for Surplus Designation

No.	ID	Dept	Year	Make	Model	VIN
1	974	Admin	2006	Ford	500	1FAFP27147G112386
2	368	Parks	2010	ZAP	Elec. Van	LLWCA21B391000065
3	238	Parks	2005	Ford	F250	1FTSX21545ED18238
4	792	Parks	2005	Ford	F150	1FTPW14515KD20075
5	865	Fleet	1996	Ford	Ranger	1FTCR10U0TPA87261
6	1304	Water	2005	Ford	F-150	1FTPW14535KD20076
7	559	Wastewater	1997	Ford	F250	1FTHF36H7VED10446
8	978	Parks	1997	GMC	3500	1GTHK33R9VF029803
9	1302	O&M	2006	Ford	F-150	1FTPW14V86FA92571
10	1501	O&M	1995	Chevrolet	3500	1GBJK34N1SE165149
11	979	O&M	1995	International	3800 Bus	1HVBBABMXSH210760
12	830	O&M	2006	Elgin	St. Sweeper	P4830D
13	424	Rec	1991	International	Bus	1HVBBNHN4MH294424
14	670	Admin	2004	Ford	Taurus	1FMCU9BZ0MUA59058
15	346	IT	2005	Ford	Explorer	1FMCU9BZ6MUA59047



Agenda Item #7.g.

Agenda Item Name:

Consider requiring confirmation a Liquor License Renewal Applicant is current with sales tax obligations - Ordinance No. 4, Series of 2021 - 1st reading

Presenter:

Kristy Doll, CMC, City Clerk

Item Description:

Consider requiring confirmation a Liquor License Renewal Applicant is current with sales tax obligations - Ordinance No. 4, Series of 2021

Recommended Action:

Move to approve Ordinance No. 4, Series of 2021 on first reading

Fiscal Impact:

Operational Impact:

Prior Board Motions:

Background Information:

State agencies made a coordinated effort and developed a process for ensuring liquor licenses are issued to those in good standing with their tax reporting and payments.

The Colorado Liquor Code, sections 44-3-101 and Liquor Rules, 1 CCR 203-2 prohibit “persons” from holding a license who are not of character or record satisfactory to the state licensing authority by virtue of their failure to pay state or local business taxes.

Pursuant to subsection 44-3-307(1)(a)(V), C.R.S., a liquor license shall not be issued to or held by “any person employing, assisted by, or financed in whole or in part by any other person who is not of good character and reputation satisfactory” to the state licensing authority.

Similarly, pursuant to subsection 44-3-307(1)(a)(VI), C.R.S., a license shall not be held by “any person unless the person’s character, record, and reputation are satisfactory to the respective licensing authorities.”

Executive Summary:

This amendment to Section 6-5-60 the Rifle Municipal Code aligns our Municipal Code with the State's Liquor Code and Liquor Rules and establishes the requirement that the applicant is current with its sales tax obligations with the City as part of the renewal application process.

Notification Requirements:**Prepared By:**

Kristy Doll, CMC, City Clerk

Attachments:

1. Ordinance No. 4-Liquor License Renewal Sales Tax Compliance

**CITY OF RIFLE, COLORADO
ORDINANCE NO. 4
SERIES OF 2021**

AN ORDINANCE OF THE CITY OF RIFLE, COLORADO, AMENDING
SECTION 6-5-60 OF THE RIFLE MUNICIPAL CODE REGARDING LIQUOR
LICENSE RENEWAL APPLICATION REQUIREMENTS.

WHEREAS, Section 6-5-60 the Rifle Municipal Code (the “RMC”), establishes the renewal application requirements for the holders of liquor licenses in the City of Rifle (the “City”); and

WHEREAS, City staff has recommended changes to the RMC to require confirmation that the applicant is current with its sales tax obligations with the City as part of the renewal application process.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF RIFLE, COLORADO, THAT:

Section 1. The foregoing recitals are incorporated herein as if set forth in full.

Section 2. Section 6-5-60 of the RMC is hereby amended as follows, with additions shown in underlined text:

Sec. 6-5-60. - License renewals; hearing.

- (b) Upon receiving the renewal application, the City Clerk shall assemble the applicant's file containing reports from staff regarding the applicant or the premises for the preceding year, including confirmation that applicant is current with its sales tax obligations. Unless there is evidence to the contrary in the applicant's file or otherwise, it will be presumed that the occupied premises are in compliance with the provisions of state statutes and City regulations, and that the character of the applicant continues to be satisfactory. If these presumptions apply, the application for renewal shall be recommended for approval by the City Clerk and set for Liquor Licensing Authority consent at the next City Council meeting. All successful applicants shall be subject to license fees as referenced in Section 6-5-150 of this Article and set forth in Appendix A to this Code.
- (c) If there is evidence to rebut the presumptions in Subsection (b) above which otherwise arise, or past sales tax due, the City Clerk shall immediately notify the licensee in writing of the objections to the renewal application and set a public hearing date to be held not less than ten (10) nor more than

thirty (30) days after the date of such notice. The written notice shall be mailed by certified mail to the applicant, shall state generally the grounds for staff's recommendation of nonrenewal, and shall provide the date, time and place of the hearing to show cause for nonrenewal. Notice of the hearing must also be conspicuously posted on the premises for a period of ten (10) days prior to the hearing. The hearing shall be conducted in the same manner as provided for hearings on revocation or suspension of the type of license involved.

INTRODUCED on April 7, 2021, read by title, passed on first reading, and ordered published as required by the Charter.

INTRODUCED a second time at a regular meeting of the Council of the City of Rifle, Colorado, held on April 21, 2021, passed without amendment, approved, and ordered published in full as required by the Charter.

Dated this ____ day of _____, 2021.

CITY OF RIFLE, COLORADO

BY: _____
Mayor

ATTEST:

City Clerk



Agenda Item #7.h.

Agenda Item Name:

Consider amending Rifle Municipal Code to reference the Uniform Election Code in Title 1, C.R.S. for Coordinated Elections - Ordinance No. 5, Series of 2021 - 1st reading

Presenter:

Kristy Doll, CMC, City Clerk

Item Description:

Consider referencing the Uniform Election Code in Title 1, C.R.S. for Coordinated Elections - Ordinance No. 5, Series of 2021 - 1st reading

Recommended Action:

Move to approve Ordinance No. 5, Series of 2021 on first reading

Fiscal Impact:

None

Operational Impact:

None

Prior Board Motions:

None

Background Information:

During the 2019 Municipal Election, citizens voted to amend Section 2.3 of the Charter to hold the Regular Municipal Election in November in odd numbered years which would coordinate Rifle Municipal Election with county and state elections.

Executive Summary:

Conduct of elections in section 2-1-10 of the Rifle Municipal Code needs to be amended to align with the requirements of a coordinated election.

Notification Requirements:

None

Prepared By:

Kristy Doll, CMC, City Clerk

Attachments:

1. Ordinance No. 5-Election Code Amendments

**CITY OF RIFLE, COLORADO
ORDINANCE NO. 5
SERIES OF 2021**

AN ORDINANCE OF THE CITY OF RIFLE, COLORADO, AMENDING
SECTION 2-1-10 OF THE RIFLE MUNICIPAL CODE PERTAINING TO THE
CONDUCT OF MUNICIPAL ELECTIONS.

WHEREAS, Section 2-1-10 the Rifle Municipal Code (the “RMC”), sets forth the conduct of municipal elections in the City of Rifle (the “City”); and

WHEREAS, with the passage of Ordinance No. 6, Series of 2019 the City’s regular municipal election will be a coordinated election and City staff recommends that certain statutory election provisions should be referenced in the RMC.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF RIFLE, COLORADO, THAT:

Section 1. The foregoing recitals are incorporated herein as if set forth in full.

Section 2. Section 2-1-10 of the RMC is hereby amended as follows, with additions shown in underlined text:

Sec. 2-1-10. - Conduct of elections.

(c) Unless provided otherwise by the Charter or this Code, such elections shall be conducted pursuant to the requirements of the Uniform Election Code of 1992 codified in Title 1, C.R.S. for coordinated elections and Articles 10 and 11 of Title 31, C.R.S., the Municipal Election Code and Municipal Initiatives, Referenda, and Referred Measures, as they may be amended from time to time, except any provisions that the City determines are inconsistent with the City's authority over its elections pursuant to Article XX of the Colorado Constitution.

INTRODUCED on April 7, 2021, read by title, passed on first reading, and ordered published as required by the Charter.

INTRODUCED a second time at a regular meeting of the Council of the City of Rifle, Colorado, held on April 21, 2021, passed without amendment, approved, and ordered published in full as required by the Charter.

Dated this ____ day of _____, 2021.

CITY OF RIFLE, COLORADO

BY: _____
Mayor

ATTEST:

City Clerk



Agenda Item #7.i.

Agenda Item Name:

Consider Authorizing the Purchase of Real Estate - Resolution No. 3, Series of 2021

Presenter:

James S. Neu, City Attorney

Item Description:

Authorizing the Purchase of Real Estate - Paradise Island

Recommended Action:

Move to approve Resolution No. 3, Series of 2021

Fiscal Impact:

Staff recommends the funding for this purchase be recorded in the General Fund. Due to slight increases in sales tax receipts in both 2020 and 2021, and COVID relief funding reimbursements, the fund balance for that fund continues to be healthy and declined only slightly in 2020. As of end of 2020, total fund balance was \$8M, with about \$300,000 in restricted funds. The 2021 budget anticipated a decline of just under \$1M, which seems conservative in light of the continued increases in sales taxes.

Operational Impact:

Prior Board Motions:

Background Information:

Please see attached memo

Executive Summary:

Notification Requirements:

Prepared By:

Kristy Doll, CMC, City Clerk

Attachments:

1. Resolution No. 3-Paradise Island Purchase-Memo
2. Paradise Island Survey
3. Paradise Island-Draft River Vision Concept Map
4. Resolution No. 3-Paradise Island Purchase

Glenwood Springs – Main Office

201 14th Street, Suite 200
P. O. Drawer 2030
Glenwood Springs, CO 81602

Aspen

323 W. Main Street
Suite 301
Aspen, CO 81611

Montrose

1544 Oxbow Drive
Suite 224
Montrose, CO 81402

James S. Neu
Partner/Shareholder

jsn@mountainlawfirm.com

Direct: 970.928.2121

Office: 970.945.2261

Fax: 970.945.7336

**Direct Mail to Glenwood Springs*

TO: Rifle City Council

FROM: Karp Neu Hanlon, P.C.

RE: Resolution No. 3, Series of 2021 – Paradise Island Purchase

DATE: April 1, 2021

Earlier this year the City went under contract to purchase two parcels of land that collectively encompass what is known as Paradise Island located in the middle of the Colorado River north of the Rifle Rest Area. Enclosed is a survey of the Property. The City applied for a grant from GoCo to assist with purchasing Paradise Island and the City recently received notice that it was not awarded a grant. Council expressed interest in continuing with the purchase of the Property and before you tonight is an Amendment and Extension of the Real Estate Contract for your consideration.

Although Paradise Island does not currently have any access, it fits squarely in the City's River Master Plan that is attached in draft form. The Property includes Colorado River bottom allowing for a future whitewater park. In addition, the Middle Colorado Watershed Council is located in direct proximity to Paradise Island at the Rest Area. This creates numerous opportunities to seek future grants to construct access and develop programs utilizing the Property for river ecological education purposes, which could create a regional draw. Finally, City ownership protects Paradise Island from future development or resource extraction which is a value considering its central proximity to Rifle's Colorado River frontage.

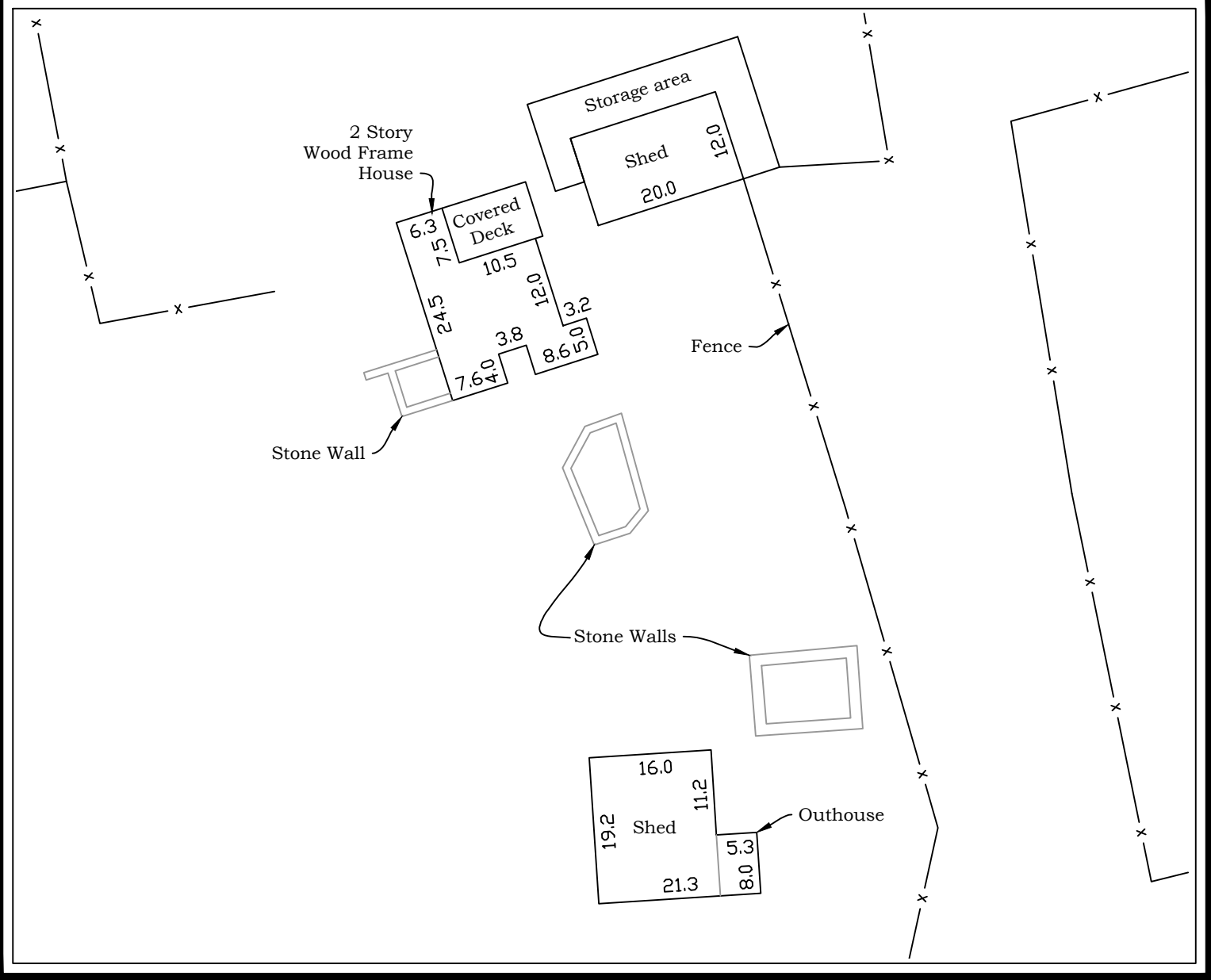
The Sellers have been very accommodating with the City's request for an extension because they want to see the Property in public hands for recreation and river education purposes. The two contracts are identical, so I am going to discuss the terms of the Contract in the cumulative for the entirety of Paradise Island.

The Purchase Price remains a total of \$400,000 and the City will provide \$20,000 in Earnest Money. The City has ordered an appraisal on the Property that will be completed in May and the Contract contains an Appraisal Objection Deadline of June 1, 2021 in the event the Appraisal does not meet the Purchase Price. Closing is scheduled for August 31, 2021. The City wants to submit an application in the next round of GoCo grants but the program is being restructured and the application and award dates are currently unknown. The only information GoCo provided staff is that it will be after July 1, 2021. In the event the grant dates are published, and the City wants to submit an application, the Contract contains an option for the City to extend Closing up to December 31, 2021

Page 2

to apply for that money. However, to exercise that option for the extension, the City needs to increase the Earnest Money to a total of \$100,000 which becomes non-refundable if the City does not Close for any reason except Seller's default.

Therefore, other than the Appraisal not meeting the Purchase Price, the City needs to be committed to purchasing the Property with the decision it makes tonight or it will have some amount of Earnest Money at risk. Resolution No. 3, Series of 2021 authorizes the purchase of the Property and allows the City Manager to perform all administrative duties to Close.



PROPERTY DESCRIPTIONS

WEST PARADISE ISLAND

A TRACT OF LAND SITUATED IN THE E1/2 OF SEC. 17, AND THE NW1/4SW1/4 AND SW1/4NW1/4 OF SEC. 16, ALL IN TOWNSHIP 6 SOUTH, RANGE 93 WEST OF THE 6TH P. M., COUNTY OF GARFIELD, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE APPROXIMATE CENTERLINE OF THE COLORADO RIVER WHENCE THE N1/4 CORNER OF SECTION 17 A BRASS COUNTY SURVEYOR CAP FOUND IN PLACE AND PROPERLY MARKED, BEARS N16°41'54"W 4502.57 FEET; THENCE ALONG SAID CENTERLINE THE FOLLOWING FOURTEEN (14) COURSES:

- 1) N48°32'54"W 30.93 FEET;
- 2) N57°15'09"W 473.80 FEET;
- 3) N58°43'33"W 210.21 FEET;
- 4) N80°22'12"E 200.66 FEET;
- 5) N87°01'13"E 123.26 FEET;
- 6) N60°44'55"E 114.44 FEET;
- 7) N24°50'37"E 410.70 FEET;
- 8) N33°56'02"E 316.46 FEET;
- 9) N00°58'34"W 92.89 FEET;
- 10) N06°15'22"E 533.71 FEET;
- 11) N29°23'05"E 147.87 FEET;
- 12) N41°02'16"E 135.95 FEET;
- 13) N68°30'54"E 307.80 FEET;
- 14) N83°54'28"E 96.47 FEET;

THENCE LEAVING SAID CENTERLINE S00°44'00"E 1206.80 FEET; THENCE S58°47'14"E 658.47 FEET TO A POINT ON THE SOUTHERLY BANK OF THE COLORADO RIVER (AS SURVEYED DECEMBER 1980); THENCE ALONG THE SOUTHERLY BANK THE FOLLOWING FIVE (5) COURSES:

- 1) S24°59'55"W 399.34 FEET;
 - 2) S48°26'21"W 266.50 FEET;
 - 3) S45°22'20"W 444.64 FEET;
 - 4) N81°02'43"W 396.02 FEET;
 - 5) N68°15'28"W 227.99 FEET;
- THENCE LEAVING SAID SOUTHERLY BANK N57°27'41"E 453.05 FEET; THENCE N58°06'19"W 169.00 FEET; THENCE S51°27'41"W 344.64 FEET TO THE POINT OF BEGINNING.

COUNTY OF GARFIELD,
STATE OF COLORADO

EAST PARADISE ISLAND

A TRACT OF LAND SITUATED IN THE E1/2 OF SECTION 17 AND THE NW1/4SW1/4 AND SW1/4NW1/4 OF SECTION 16, ALL IN TOWNSHIP 6 SOUTH, RANGE 93 WEST OF THE 6TH P.M., COUNTY OF GARFIELD STATE OF COLORADO; SAID TRACT BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID SECTION 17, A COUNTY SURVEYOR BRASS CAP FOUND IN PLACE AND PROPERLY MARKED; THENCE N 55 DEGREES 52' 50" W 1605.66 FEET TO THE INTERSECTION OF THE EAST LINE OF LOT 8 OF SECTION 17 WITH THE EXISTING CENTERLINE OF THE COLORADO RIVER, THE TRUE POINT OF BEGINNING; THENCE LEAVING SAID EAST LINE OF LOT 8, N 67 DEGREES 31' 18" W ALONG THE SAID CENTERLINE OF RIVER 18.75 FEET; THENCE THE FOLLOWING FOURTEEN (14) COURSES ALONG SAID CENTERLINE:

- 1) N 48 DEGREES 50' 35" W 83.09 FEET;
- 2) N 57 DEGREES 32' 50" W 473.80 FEET;
- 3) N 59 DEGREES 01' 14" W 210.21 FEET;
- 4) N 80 DEGREES 14' 31" E 200.66 FEET;
- 5) N 86 DEGREES 43' 32" E 123.26 FEET;
- 6) N 60 DEGREES 27' 14" E 114.44 FEET;
- 7) N 24 DEGREES 32' 56" E 410.70 FEET;
- 8) N 33 DEGREES 38' 21" E 316.46 FEET;
- 9) N 01 DEGREES 16' 15" W 92.89 FEET;
- 10) N 05 DEGREES 57' 41" E 533.71 FEET;
- 11) N 29 DEGREES 02' 24" E 147.87 FEET;
- 12) N 40 DEGREES 44' 35" E 135.95 FEET;
- 13) N 68 DEGREES 13' 13" E 307.80 FEET;
- 14) N 83 DEGREES 36' 47" E 533.74 FEET;

THENCE LEAVING SAID CENTERLINE N 00 DEGREES 08' 07" W 201.09 FEET TO THE INTERSECTION OF AN EXISTING FENCE LINE EXTENDED WITH THE NORTH BANK OF THE COLORADO RIVER.

THENCE ALONG SAID FENCE LINE EXTENDED AND EXISTING FENCE N 25 DEGREES 10' 42" W 111.42 FEET TO THE SOUTHERLY RIGHT-OF-WAY LINE OF THE DENVER AND RIO GRANDE WESTERN RAILROAD; THENCE LEAVING SAID FENCE LINE N 87 DEGREES 55' 22" E ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE 1519.55 FEET TO THE EASTERLY LINE OF LOT 4 OF SECTION 16;

THENCE LEAVING SAID SOUTHERLY RIGHT-OF-WAY LINE S 00 DEGREES 59' 00" E ALONG SAID EASTERLY LINE OF LOT 4, 439.98 FEET TO A POINT ON THE SOUTHERLY BANK OF THE COLORADO RIVER (AS SURVEYED DECEMBER 1980); THENCE THE FOLLOWING TEN (10) COURSES ALONG SAID SOUTHERLY BANK:

- 1) S 74 DEGREES 07' 17" W 34.65 FEET;
- 2) S 58 DEGREES 37' 38" W 412.27 FEET;
- 3) S 17 DEGREES 41' 59" W 455.26 FEET;
- 4) S 35 DEGREES 47' 31" W 292.77 FEET;
- 5) S 45 DEGREES 43' 51" W 881.57 FEET;
- 6) S 24 DEGREES 42' 14" W 399.34 FEET;
- 7) S 48 DEGREES 08' 40" W 266.50 FEET;
- 8) S 45 DEGREES 24' 39" W 444.64 FEET;
- 9) N 81 DEGREES 20' 24" W 396.02 FEET;
- 10) N 68 DEGREES 33' 09" W 229.38 FEET; TO A POINT ON THE EASTERLY LINE OF LOT 8 OF SECTION 17.

THENCE LEAVING SAID SOUTHERLY BANK N 00 DEGREES 48' 04" W ALONG SAID EASTERLY LINE 114.54 FEET TO THE TRUE POINT OF BEGINNING.

EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE TOWN OF RIFLE BY DOCUMENT RECORDED SEPTEMBER 12, 1939 IN BOOK 199 AT PAGE 21 AS RECEPTION NO. 136965.

ALSO EXCEPTING THEREFROM:

THOSE PARCELS OF LAND CONVEYED TO SCOTT W. BRYNILDSON AND LINDA SUE BRYNILDSON BY DEEDS RECORDED AUGUST 1, 1979 IN BOOK 532 AT PAGE 313 AS RECEPTION NO. 296136 AND IN BOOK 532 AT PAGE 314 AS RECEPTION NO. 296137, AS THE SAME MAY CONFLICT WITH THE ABOVE DESCRIBED TRACT II, AND ALL SUBSEQUENT CONVEYANCES OF ALL OR PARTS OF THE SAME.

AND EXCEPTING THOSE PARCELS TAKEN BY CIVIL ACTION NO. 7548 IN RULE AND ORDER RECORDED FEBRUARY 20, 1975 IN BOOK 469 AT PAGE 236 AS RECEPTION NO. RULE AND ORDER RECORDED IN BOOK 469 AT PAGE 289 AS RECEPTION NO. 266400, ON FEBRUARY 24, 1975, AND RULE AND ORDER RECORDED IN BOOK 481 AT PAGE 348 AS RECEPTION NO. 270616 ON DECEMBER 17, 1975.

EXCEPTING THOSE PARCELS DESCRIBED IN A DEED FROM F. D. SQUIRE TO THE DENVER AND RIO GRANDE RAILROAD COMPANY (A PREDECESSOR OF THE DENVER AND RIO GRANDE WESTERN RAILROAD COMPANY) DATED MAY 4, 1889, RECORDED IN THE GARFIELD COUNTY, COLORADO RECORDS ON DECEMBER 2, 1889, IN BOOK 19 AT PAGE 512; AND IN A DECREE OF THE COUNTY COURT OF GARFIELD COUNTY, STATE OF COLORADO, DATED OCTOBER 1, 1889, CONTAINED IN THE RECORDS OF SAID COURT AT PAGE 13 IN JOURNAL NO. 2, AND RECORDED IN THE GARFIELD COUNTY, COLORADO RECORDS ON JUNE 5, 1890, IN BOOK 25 AT PAGE 54.

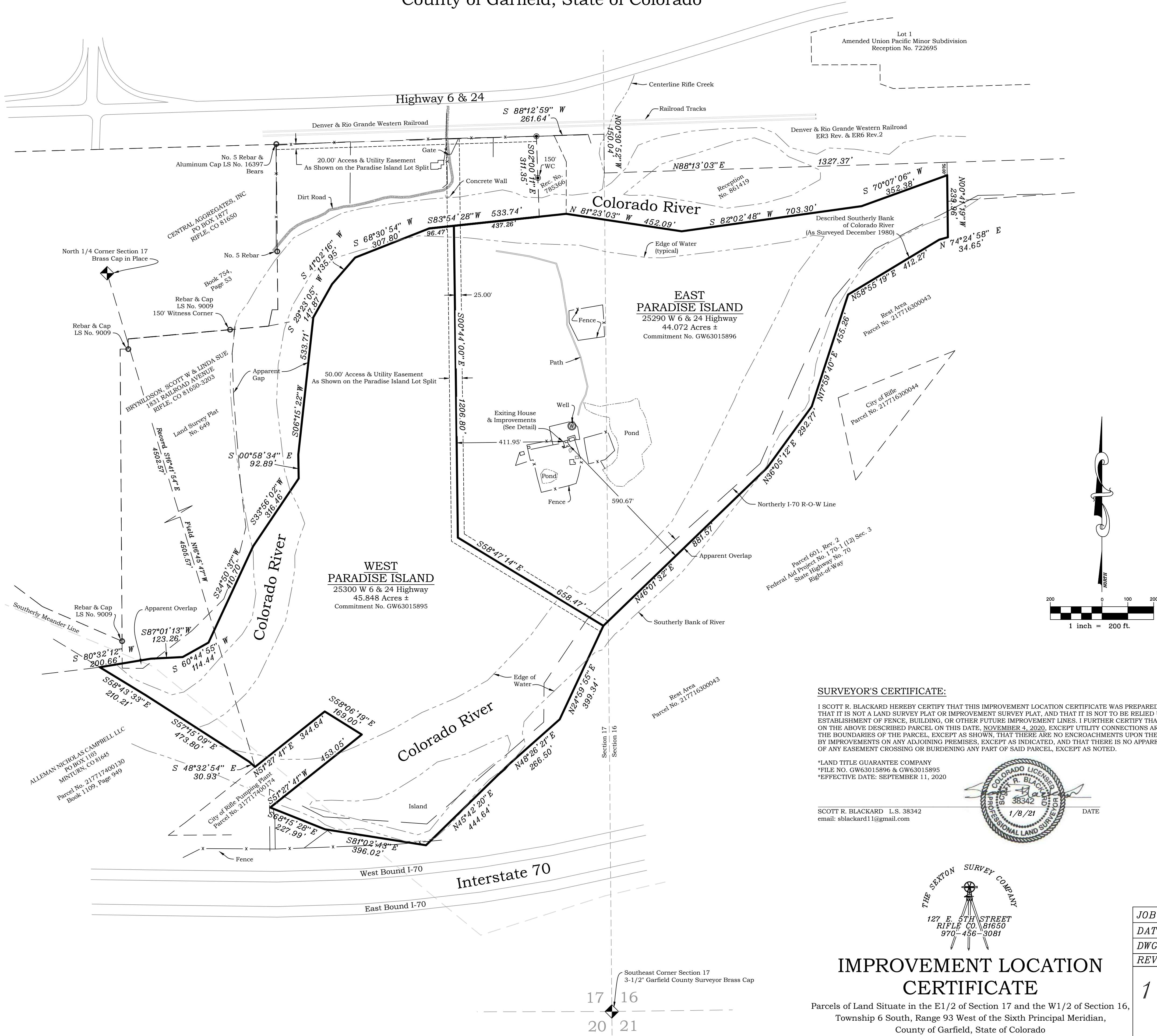
ALSO EXCEPTING THEREFROM THE PORTION CONVEYED TO CHARLES L. CARON AND LORA L. CARON BY DEED RECORDED APRIL 14, 2015 UNDER RECEPTION NO. 861419.

COUNTY OF GARFIELD
STATE OF COLORADO

NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVERED SUCH DEFECT. IN NO EVENT, MAY AN ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF THE CERTIFICATION SHOWN HEREON.

IMPROVEMENT LOCATION CERTIFICATE

Parcels of Land Situate in the E1/2 of Section 17 and the W1/2 of Section 16,
Township 6 South, Range 93 West of the Sixth Principal Meridian,
County of Garfield, State of Colorado

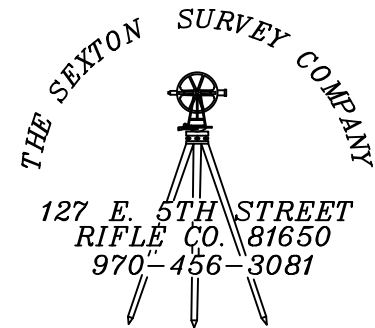


SURVEYOR'S CERTIFICATE:

I SCOTT R. BLACKARD HEREBY CERTIFY THAT THIS IMPROVEMENT LOCATION CERTIFICATE WAS PREPARED FOR "SEE BELOW" THAT IT IS NOT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT, AND THAT IT IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OF FENCE, BUILDING, OR OTHER FUTURE IMPROVEMENT LINES. I FURTHER CERTIFY THAT THE IMPROVEMENTS ON THE ABOVE DESCRIBED PARCEL ON THIS DATE, NOVEMBER 4, 2020, EXCEPT UTILITY CONNECTIONS ARE ENTIRELY WITHIN THE BOUNDARIES OF THE PARCEL, EXCEPT AS SHOWN, THAT THERE ARE NO ENCROACHMENTS UPON THE DESCRIBED PREMISES BY IMPROVEMENTS ON ANY ADJOINING PREMISES, EXCEPT AS INDICATED, AND THAT THERE IS NO APPARENT EVIDENCE OR SIGN OF ANY EASEMENT CROSSING OR BURDENING ANY PART OF SAID PARCEL, EXCEPT AS NOTED.

*LAND TITLE GUARANTEE COMPANY
*FILE NO. GW63015896 & GW63015895
*EFFECTIVE DATE: SEPTEMBER 11, 2020

SCOTT R. BLACKARD L.S. 38342
email: sblackard11@gmail.com



IMPROVEMENT LOCATION CERTIFICATE

Parcels of Land Situate in the E1/2 of Section 17 and the W1/2 of Section 16,
Township 6 South, Range 93 West of the Sixth Principal Meridian,
County of Garfield, State of Colorado

JOB NO:13109 ILC
DATE: 1/8/21
DWG. BY: SRB
REV:

1 of 1

Rifle River Park: Concepts Map

January, 2020

Project Background: While the City of Rifle has made many impactful investments in the downtown area over the years, the downtown and community at large have never been meaningfully connected to one of the community’s most substantial assets--the river. Located between the river and the 170 corridor, the Rifle River Park area presents the City with a prime opportunity to better connect the community with the river and its surrounding natural assets.

Developed through a series of interactive stakeholder worksessions, this concept map highlights key concepts for possible future improvements. As opportunities to better connect to and improve the Rifle River Park area arise in the future, this concept map is meant to help guide conversations around how this area supports the needs and interests of all members of the community

Island Park Area

With no current bridges or connections, the Island Park area has been identified as an important natural resource to preserve as open space and wildlife habitat.

Concepts & Ideas:

- Preserved natural open space
- Wildlife habitat and riparian area restoration
- Primitive trails for walking, hiking, birding
- Fishing access
- Potential area for trail connection and foot bridge to connect river park to downtown

Whitewater Zone

The Whitewater Zone has been identified as a prime location for a recreational whitewater park with man-made river features.

Concepts & Ideas:

- Whitewater park
- Installation of man-made waves, holes, eddies, other whitewater features
- Kayak slalom course
- Walking path with benches and water access
- Viewing areas & gathering spaces

Parks & Pond Zone

The Pond Zone currently features a well-loved fishing pond that may be improved and restored.

Concepts & Ideas:

- Fishing piers & access
- Improved ADA access for tail and fishing
- Improved walking trail with connection to future LOVA trail
- Benches, shade structures, & community gathering spaces
- Family & kid friendly play space with natural features
- Habitat restoration & improved water, soil, and bank health

Flatwater & Family Zone

Featuring a newer boat ramp, beaches, and trails, the Flatwater and Family Zone has been identified as a prime location for trails, picnic spaces, and safe, comfortable river access for people of all ages.

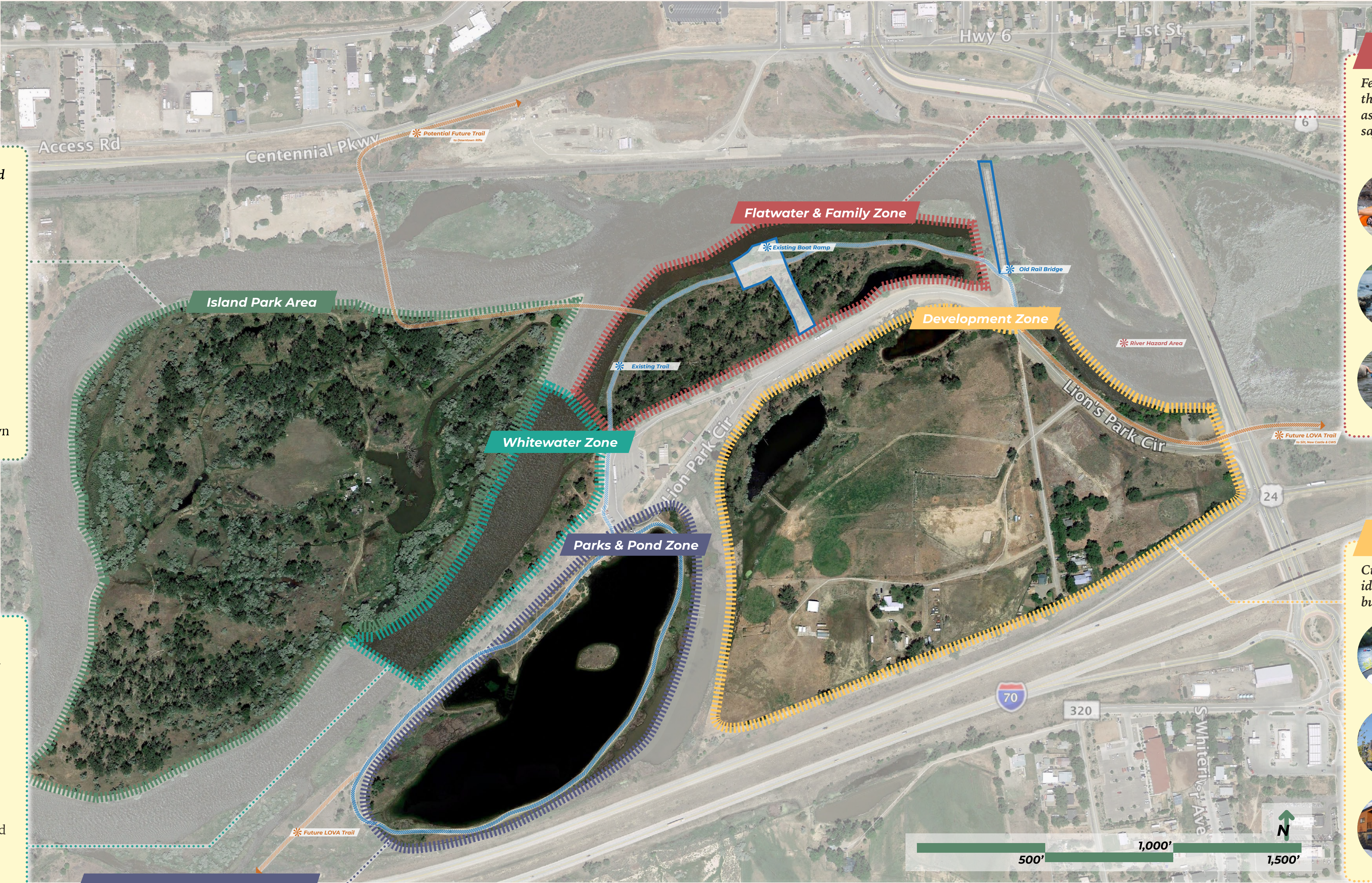
- Beaches, picnic areas, and spaces for family-friendly gathering
- Calm eddies for swimming & safe river play
- Access for tubing, paddle boarding, & flat water floating
- Trails and walking path
- Restoration and preservation of forested and natural areas
- Play areas for kids including natural features
- Dog walking / dog park
- Fishing access

Development Zone

Current privately owned parcels have been identified as a prime area for future development, business growth, and housing.

Concepts & Ideas:

- Future space for housing & businesses
- Possible dining & active space near the river & bridge
- Balance future development with park & open space
- Community & gathering space
- Swap truck parking to be closer to I-70



**CITY OF RIFLE, COLORADO
RESOLUTION NO. 3
SERIES OF 2021**

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF RIFLE, COLORADO
AUTHORIZING THE CITY MANAGER TO TAKE ALL ACTIONS NECESSARY TO
PURCHASE TWO PARCELS OF LAND COLLECTIVELY KNOWN AS PARADISE
ISLAND.

WHEREAS, the City of Rifle is under contract to purchase two parcels of land collectively known as Paradise Island in the Colorado River north of the Rifle Rest Area described on Exhibit A attached hereto and incorporated herein by this reference (the “Property”) pursuant to contracts dated January 8, 2021 (the “Real Estate Contracts”); and

WHEREAS, the City Council desires to approve amendments to the Real Estate Contracts and authorize the City Manager to take all actions necessary to purchase the Property.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RIFLE THAT:

1. The foregoing recitals are incorporated by reference as findings and determinations of the City Council.

2. The City Council hereby approves the amendments to the Real Estate Contracts and authorizes the City Manager to take all actions necessary to purchase the Property described on Exhibit A pursuant to the terms of the Real Estate Contracts, as amended.

THIS RESOLUTION was read, passed, and adopted by the Rifle City Council at a regular meeting held this 7th day of April 2021.

CITY OF RIFLE, COLORADO

By _____
Mayor

ATTEST:

City Clerk

Exhibit

A

ALTA COMMITMENT

Old Republic National Title Insurance Company

Schedule A

Order Number: GW63016434

Property Address:

25290 W 6 & 24 HIGHWAY, RIFLE, CO 81650

1. Effective Date:

01/08/2021 at 5:00 P.M.

2. Policy to be Issued and Proposed Insured:

"ALTA" Owner's Policy 06-17-06

\$200,000.00

Proposed Insured:

CITY OF RIFLE, COLORADO

3. The estate or interest in the land described or referred to in this Commitment and covered herein is:

A FEE SIMPLE

4. Title to the estate or interest covered herein is at the effective date hereof vested in:

KASIA M. BICKEL

5. The Land referred to in this Commitment is described as follows:

A TRACT OF LAND SITUATED IN THE E1/2 OF SECTION 17 AND THE NW1/4SW1/4 AND SW1/4NW1/4 OF SECTION 16, ALL IN TOWNSHIP 6 SOUTH, RANGE 93 WEST OF THE 6TH P.M., COUNTY OF GARFIELD STATE OF COLORADO; SAID TRACT BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID SECTION 17, A COUNTY SURVEYOR BRASS CAP FOUND IN PLACE AND PROPERLY MARKED;

THENCE N 55 DEGREES 52' 50" W 1605.66 FEET TO THE INTERSECTION OF THE EAST LINE OF LOT 8 OF SECTION 17 WITH THE EXISTING CENTERLINE OF THE COLORADO RIVER, THE TRUE POINT OF BEGINNING:

THENCE LEAVING SAID EAST LINE OF LOT 8, N 67 DEGREES 31' 18" W ALONG THE SAID CENTERLINE OF RIVER 18.75 FEET;

THENCE THE FOLLOWING FOURTEEN (14) COURSES ALONG SAID CENTERLINE:

- 1) N 48 DEGREES 50' 35" W 83.09 FEET;
- 2) N 57 DEGREES 32' 50" W 473.80 FEET;
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- 6) N 60 DEGREES 27' 14" E 114.44 FEET;
- 7) N 24 DEGREES 32' 56" E 410.70 FEET;
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- 9) N 01 DEGREES 16' 15" W 92.89 FEET;
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- 13) N 68 DEGREES 13' 13" E 307.80 FEET;
- 14) N 83 DEGREES 36' 47" E 533.74 FEET;

THENCE LEAVING SAID CENTERLINE N 00 DEGREES 08' 07" W 201.09 FEET TO THE INTERSECTION OF AN EXISTING FENCE LINE EXTENDED WITH THE NORTH BANK OF THE COLORADO RIVER;

THENCE ALONG SAID FENCE LINE EXTENDED AND EXISTING FENCE N 25 DEGREES 10' 42" W 111.42

ALTA COMMITMENT

Old Republic National Title Insurance Company

Schedule A

Order Number: GW63016434

FEET TO THE SOUTHERLY RIGHT-OF-WAY LINE OF THE DENVER AND RIO GRANDE WESTERN RAILROAD;
THENCE LEAVING SAID FENCE LINE N 87 DEGREES 55' 22" E ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE 1519.55 FEET TO THE EASTERLY LINE OF LOT 4 OF SECTION 16;
THENCE LEAVING SAID SOUTHERLY RIGHT-OF-WAY LINE S 00 DEGREES 59' 00" E ALONG SAID EASTERLY LINE OF LOT 4, 439.98 FEET TO A POINT ON THE SOUTHERLY BANK OF THE COLORADO RIVER (AS SURVEYED DECEMBER 1980);
THENCE THE FOLLOWING TEN (10) COURSES ALONG SAID SOUTHERLY BANK:
1) S 74 DEGREES 07' 17" W 34.65 FEET;
2) S 58 DEGREES 37' 38" W 412.27 FEET;
3) S 17 DEGREES 41' 59" W 455.26 FEET;
4) S 35 DEGREES 47' 31" W 292.77 FEET;
5) S 45 DEGREES 43' 51" W 881.57 FEET;
6) S 24 DEGREES 42' 14" W 399.34 FEET;
7) S 48 DEGREES 08' 40" W 266. 50 FEET;
8) S 45 DEGREES 24' 39" W 444.64 FEET;
9) N 81 DEGREES 20' 24" W 396.02 FEET;
10) N 68 DEGREES 33' 09" W 229.38 FEET; TO A POINT ON THE EASTERLY LINE OF LOT 8 OF SECTION 17;
THENCE LEAVING SAID SOUTHERLY BANK N 00 DEGREES 48' 04" W ALONG SAID EASTERLY LINE 114.54 FEET TO THE TRUE POINT OF BEGINNING.

EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE TOWN OF RIFLE BY DOCUMENT RECORDED SEPTEMBER 12, 1939 IN BOOK 199 AT PAGE [21](#) AS RECEPTION NO. [136965](#).

ALSO EXCEPTING THEREFROM:

THOSE PARCELS OF LAND CONVEYED TO SCOTT W. BRYNILDSON AND LINDA SUE BRYNILDSON BY DEEDS RECORDED AUGUST 1, 1979 IN BOOK 532 AT PAGE [313](#) AS RECEPTION NO. [296136](#) AND IN BOOK 532 AT PAGE [314](#) AS RECEPTION NO. [296137](#), AS THE SAME MAY CONFLICT WITH THE ABOVE DESCRIBED TRACT II, AND ALL SUBSEQUENT CONVEYANCES OF ALL OR PARTS OF THE SAME.

AND EXCEPTING THOSE PARCELS TAKEN BY CIVIL ACTION NO. 7548 IN RULE AND ORDER RECORDED FEBRUARY 20, 1975 IN BOOK 469 AT PAGE [236](#) AS RECEPTION NO. [266367](#). RULE AND ORDER RECORDED IN BOOK 469 AT PAGE [289](#) AS RECEPTION NO. [266400](#), ON FEBRUARY 24, 1975, AND RULE AND ORDER RECORDED IN BOOK 481 AT PAGE [348](#) AS RECEPTION NO. [270616](#) ON DECEMBER 17, 1975.

EXCEPTING THOSE PARCELS DESCRIBED IN A DEED FROM F.D. SQUIRE TO THE DENVER AND RIO GRANDE RAILROAD COMPANY (A PREDECESSOR OF THE DENVER AND RIO GRANDE WESTERN RAILROAD COMPANY) DATED MAY 4, 1889, RECORDED IN THE GARFIELD COUNTY, COLORADO RECORDS ON DECEMBER 2, 1889, IN BOOK 19 AT PAGE [512](#); AND IN A DECREE OF THE COUNTY COURT OF GARFIELD COUNTY, STATE OF COLORADO, DATED OCTOBER 1, 1889, CONTAINED IN THE RECORDS OF SAID COURT AT PAGE 13 IN JOURNAL NO. 2, AND RECORDED IN THE GARFIELD COUNTY, COLORADO RECORDS ON JUNE 5, 1880, IN BOOK 25 AT PAGE [54](#).

ALSO EXCEPTING THEREFROM THE PORTION CONVEYED TO CHARLES L. CARON AND LORA L. CARON BY DEED RECORDED APRIL 14, 2015 UNDER RECEPTION NO. [861419](#).

COUNTY OF GARFIELD

ALTA COMMITMENT
Old Republic National Title Insurance Company
Schedule A

Order Number: GW63016434

STATE OF COLORADO

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ALTA COMMITMENT
Old Republic National Title Insurance Company
Schedule A

Order Number: GW63016437

Property Address:

25300 W 6 & 24 HIGHWAY, RIFLE, CO 81650

1. Effective Date:

01/08/2021 at 5:00 P.M.

2. Policy to be Issued and Proposed Insured:

"ALTA" Owner's Policy 06-17-06

\$200,000.00

Proposed Insured:

CITY OF RIFLE, COLORADO

3. The estate or interest in the land described or referred to in this Commitment and covered herein is:

A FEE SIMPLE

4. Title to the estate or interest covered herein is at the effective date hereof vested in:

PARADISE ISLAND LLC, A COLORADO LIMITED LIABILITY COMPANY

5. The Land referred to in this Commitment is described as follows:

A TRACT OF LAND SITUATED IN THE E1/2 OF SEC. 17, AND THE NW1/4SW1/4 AND SW1/4NW1/4 OF SEC. 16, ALL IN TOWNSHIP 6 SOUTH, RANGE 93 WEST OF THE 6TH P. M., COUNTY OF GARFIELD, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE APPROXIMATE CENTERLINE OF THE COLORADO RIVER WHENCE THE N1/4 CORNER OF SECTION 17 A BRASS COUNTY SURVEYOR CAP FOUND IN PLACE AND PROPERLY MARKED, BEARS N16°41'54"W 4502.57 FEET;

THENCE ALONG SAID CENTERLINE THE FOLLOWING FOURTEEN (14) COURSES:

- 1) N48°32'54"W 30.93 FEET;
- 2) N57°15'09"W 473.80 FEET;
- 3) N58°43'33"W 210.21 FEET;
- 4) N80°32'12" E 200.66 FEET;
- 5) N87°01'13"E 123.26 FEET;
- 6) N60°44'55"E 114.44 FEET;
- 7) N24°50'37" E 410.70 FEET;
- 8) N33°56'02" E 316.46 FEET;
- 9) N00°58' 34"W 92.89 FEET;
- 10) N06°15'22" E 533.71 FEET;
- 11) N29°23'05"E 147.87 FEET;
- 12) N41°02'16" E 135.95 FEET;
- 13) N68°30'54" E 307.80 FEET;
- 14) N83°54'28" E 96.47 FEET;

THENCE LEAVING SAID CENTERLINE S00°44'00" E 1206.80 FEET;

THENCE S58°47'14" E 658.47 FEET TO A POINT ON THE SOUTHERLY BANK OF THE COLORADO RIVER (AS SURVEYED DECEMBER 1980);

THENCE ALONG THE SOUTHERLY BANK THE FOLLOWING FIVE (5) COURSES:

- 1) S24°59'55"W 399.34 FEET;
- 2) S48°26'21" W 266.50 FEET;
- 3) S45°42'20"W 444.64 FEET;
- 4) N81°02'43" W 396.02 FEET;

ALTA COMMITMENT

Old Republic National Title Insurance Company

Schedule A

Order Number: GW63016437

5) N68°15'28" W 227.99 FEET;
THENCE LEAVING SAID SOUTHERLY BANK N57°27'41" E 453.05 FEET; THENCE N58°06'19"W 169.00
FEET;
THENCE S51°27'41"W 344.64 FEET TO THE POINT OF BEGINNING.

COUNTY OF GARFIELD
STATE OF COLORADO

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Agenda Item #7.j.

Agenda Item Name:

Consider Extending Development Impact Fee Waivers - Ordinance No. 3, Series of 2021 - 1st Reading

Presenter:

James S. Neu, City Attorney

Item Description:

Extending Development Impact Fee Waivers

Recommended Action:

Move to approve Ordinance No. 3, Series of 2021 on first reading

Fiscal Impact:

Operational Impact:

Prior Board Motions:

Background Information:

Please see attached memo

Executive Summary:

Notification Requirements:

Prepared By:

Kristy Doll, CMC, City Clerk

Attachments:

1. Ordinance No. 3-Development Fee Waiver Extension-Memo
2. Ordinance No. 3-Development Fee Waivers

Glenwood Springs – Main Office
201 14th Street, Suite 200
P. O. Drawer 2030
Glenwood Springs, CO 81602

Aspen
323 W. Main Street
Suite 301
Aspen, CO 81611

Montrose
1544 Oxbow Drive
Suite 224
Montrose, CO 81402

James S. Neu
Partner/Shareholder

jsn@mountainlawfirm.com

Direct: 970.928.2121

Office: 970.945.2261

Fax: 970.945.7336

[****Direct Mail to Glenwood Springs***](#)

TO: Rifle City Council

FROM: Karp Neu Hanlon, P.C.

RE: Ordinance No. 3, Series of 2021 – Development Fee Waiver Extension

DATE: March 30, 2021

At the City Council's March 17, 2021 meeting, it received an update regarding the development impact fee system and accompanying studies. Because the City's impact fees have not been finalized, Council requested an extension of the current impact fee waivers that are set to expire at the end of April. Ordinance No. 3, Series of 2021 extends the waivers until the end of the year or until repealed with the adoption of revised development fees.

**CITY OF RIFLE, COLORADO
ORDINANCE NO. 3
SERIES OF 2021**

AN ORDINANCE OF THE CITY OF RIFLE, COLORADO, EXTENDING
TEMPORARY DEVELOPMENT FEE WAIVERS TO STIMULATE GROWTH
AND ECONOMIC DEVELOPMENT IN THE CITY.

WHEREAS, the City of Rifle, like much of Western Colorado, has yet to fully recover from the impacts of the Great Recession while the Front Range has fully rebounded, increasing the costs of construction materials and labor in the region; and

WHEREAS, the City Council desires to attract building and construction activities in the City that will drive additional economic development and provide additional housing which is greatly needed; and

WHEREAS, City staff has researched and analyzed the various development fees assessed by the City on construction activities to determine which fees can be reduced or waived without jeopardizing the financial soundness of the City; and

WHEREAS, by Ordinance No. 1, Series of 2019, the City temporarily waived or reduced certain development fees that expired on April 1, 2020; and

WHEREAS, after examining the effect of this program on the various funds and listening to the development community, the City Council by Ordinance No. 21, Series of 2019 extended the waiver of certain development fees until the end of 2020; and

WHEREAS, the City has initiated a Utility Master Planning process analyzing development fees which will be completed in Spring 2021 that will provide useful information for establishing revised development fee amounts; and

WHEREAS, the COVID-19 pandemic has greatly affected the regional, state and national economy and impacted development in the City and the City Council desires to extend the waiver of certain development fees until revised development fees are adopted or December 31, 2021, whichever occurs first; and

WHEREAS, the City Council finds and determines that the development fee waivers and building incentives contained in this Ordinance are a sound long term investment for the City that will pay dividends exceeding the temporary foregone revenues.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF RIFLE, COLORADO, THAT:

1. Incorporation of Recitals. The foregoing recitals are incorporated herein as if set forth in full.

2. Parkland Dedication Fees. The Parkland Dedication Fee required by Section 16-1-90 and Section 16-4-110 of the Rifle Municipal Code or applicable to a specific property pursuant to an appurtenant Annexation Agreement or Subdivision Improvements Agreement due at building permit is hereby waived. All other land or parkland dedication requirements in the Rifle Municipal Code shall continue to remain in full force and effect.

3. Offsite Street Impact Fees. The Offsite Street Impact Fee set forth in Section 16-1-100 of the Rifle Municipal Code or applicable to a specific property pursuant to an appurtenant Annexation Agreement or Subdivision Improvements Agreement due at building permit is hereby waived in full.

4. Termination. Unless repealed by ordinance earlier with the adoption of revised development fees, the development fee waivers set forth in this Ordinance shall remain in effect through **December 31, 2021 at 5pm** and apply to building permits submitted by such date to the City's Planning Department, after which time all applicable codified provisions of the Rifle Municipal Code and the terms of any Annexation Agreement or Subdivision Improvements Agreement shall apply.

INTRODUCED on April 7, 2021, read by title, passed on first reading, and ordered published by title as required by the Charter.

INTRODUCED a second time at a regular meeting of the Council of the City of Rifle, Colorado, held on April 21, 2021, passed without amendment, approved, and ordered published in full as required by the Charter.

Dated this ____ day of _____, 2021.

CITY OF RIFLE, COLORADO

By _____
Mayor

ATTEST:

City Clerk



Agenda Item #8.a.

Agenda Item Name:

Report to City Manager

Presenter:

Scott Hahn, City Manager

Item Description:

Staff report on notable tasks completed within the individual departments.

Recommended Action:

No action necessary

Fiscal Impact:

None

Operational Impact:

None

Prior Board Motions:

None

Background Information:

None

Executive Summary:

Work Report to City Manager

04/02/2021

Notification Requirements:

None

Prepared By:

Misty Williams, Administrative Assistant

Attachments:

1. Report to City Manager 04.02.2021

WORK REPORT TO CITY MANAGER

04.02.2021

POLICE

- We are working with Brian Prunty on posting Railroad and Whiteriver for no truck traffic save local deliveries.
- Chuck has been doing very well. On his first shift and his first “sniff” he recovered methamphetamine!
- The PD is going to promote a lieutenant soon to assist with administrative tasks and emergency planning.

PIO

- Attended Garfield County Health/Municipality PIO weekly meetings.
- Assisted with the City Manager update videos with Scott and Carlos.
- Kept social media outlets updated with the latest status decisions and updates from the state and county. We received a tremendous response to our postings regarding spring clean-up. To say that this is highly anticipated would be an understatement.
- Attended Public Information Preconstruction Meeting for the Railroad Avenue and Third Street reconstruction. We discussed the channels of communication which will be utilized throughout the duration of the project. We continue to be diligent about posting information as soon as we receive it, so please encourage citizens to follow us on Facebook and Twitter to receive the latest information.
- Attended Garfield County PIO Group meeting.

COURT

- Handled 36 adult cases on March 17 court day and held one bench trial.
- Our second jury trial scheduled for March 10th was canceled that morning after the defense attorney was involved in a rollover accident on her way to court. Fortunately, she was okay, just shaken. It will be rescheduled with a new panel of potential jurors.
- Our April 2nd jury trial has been canceled due to the fact that a plea agreement was reached. The next is scheduled for April 16th.

FINANCE

- New finance pay window will be fully open later this week for members of public who want to make walk-up utility payment. There is still a drop box available in the foyer and another outside.
- Sales taxes collected by the City in March for sales in February show an increase over 2020 numbers of over 10%. Thanks to our citizens for continuing to shop local.
- We received a check for over \$3,000 from UMB as a rebate for City credit card usage in 2020.
- So far in the month of March, the City has collected over \$150,000 on building permits. This figure includes both use tax and various permitting fees.

CITY CLERK

In addition to our normal day to day activities (including liquor, marijuana and special event licensing, council packet preparation, etc), we have been working on the following projects:

- Due to an issue during implementation of CivicClerk/CivicPlus with transferring files from the archive center, we are coordinating with their team to successfully upload documents and information currently located in the archive center to CivicClerk.
- Research and compile documents for large records request.
- Initial planning of orientation for City Council members and Council candidates.

HUMAN RESOURCES

- Continue to support the City's employees, departments and supervisors in their daily personnel needs and compliance requirements.

PUBLIC WORKS

The following are engineering projects currently in progress, to include inspection and administration, design, and/or planning:

- Additional Airport Water Tank: finalizing design phase
- Utility Rate Study: financial presentation of rate analysis to City Council during the workshop on April 21.
- I-70 Exit 90 Beautification: awaiting CDOT response on design.
- Downtown Rehabilitation: in construction
- Completed bid process for Crack Seal Project; recommendation for award forth-coming

The following are projects currently under construction:

- Centennial Parkway Bridge Rehabilitation: deck casting today.

The following are completed projects, or are being closed out:

- Scalzo Ranch Subdivision, Close out: waiting for return of Reception No. for the plat.
- RRV Improvements associated with Culver's Restaurant – still outstanding.
- HC Ramp repair near the municipal pool

Fleet

- Unresolved problem with Vacuum truck which causes it to shut down during operations.
- Continued development of Fleet Administration and Management.
- Re-ordering of Ford canceled 2021 orders
- Procurement of a light snowplow truck
- Oversaw the troubleshooting and repair electronic glitches with PD patrol cars.

Two weeks look-ahead:

- Casting deck curb, painting of girders, preparation of approaches of Centennial Bridge
- Completion of the lining of the liner repair for W. 3rd St. Storm Water Culvert.

- Presentation of design modifications with costs for Ayers Associates design for the I-70 Exit 90 Beautification project; preparation of construction documents and completion of CDOT review.
- Railroad Ave. & 3rd Street/Downtown Rehabilitation Project: completion of water line in the 100 Block of W. 3rd St. to include services, undergrounding of power in the alley north of W. 3rd. St.
- Completing financial component of the Utility Rate Study project with JVA/Raftelis; presentation of results from financial analysis.
- Willow Ranch, Ph. II Construction
- Scalzo Ranch Subdivision Construction

PARKS AND RECREATION

Cemetery

In addition to paving needs at the cemetery, here are some other needs / ideas that staff is proposing:

- A columbarium lies on the extreme west end of the cemetery. Within the columbarium are a number of double and single “niches” that are sold for the interment of cremains.
- Turf has been established around the existing columbarium, and the area is planned for a number of additional columbariums, perhaps 8-10 more. (Staff has requested a survey which will help in developing a more formal plan for this, and for developing other spaces in the cemetery.)
- The layout for the columbarium area is in a “half wagon wheel” configuration, where columbariums would be arranged on radiating lines which originate from a common central point. This would allow lines of site between structures toward the town below, and the Bookcliffs. The existing unit is probably ½ sold and one or more additional columbariums could be placed and niches marketed. The cost of the existing columbarium was about \$25k in 2004.
- Another idea is to construct a memorial garden, or “scattering garden”, approximately to the north of the kiosk, northeast, section of the cemetery. This would allow a more affordable method for placement of cremains when compared to plots or niches. One common monument could be placed for all names to be engraved into. More information has been requested from memorial companies, but at the time of this e-mail, we have not received new information.
- The hillside, north of the cemetery, just downhill below the memorial garden, could be a great site for mausoleums to be installed into a natural hillside for the interment of caskets. Topography would have to be studied and a paved driveway would have to be built to traverse from the upper level to the hillside at the mausoleum(s).
- The flagpole at the cemetery should be replaced.
- Replacement of the cemetery entry sign at the main gate has been deferred but should be budgeted in the near future.
- A better maintenance building should be considered. The current building is a double –wide modular repurposed Army barracks.
- More land needs to be acquired if sale of cemetery plots is to continue. We thought an expansion site was identified but that site was chosen as the final location for the new Rifle Regional Wastewater Treatment Facility.

City Hall

- The transaction window for Finance arrived much sooner than expected, so Phase 1 construction in the Finance Department is complete.
- Notice of final payment will be published soon.

- City Hall Phase 2 designs and specifications are complete, and with the assistance of Phil Vaughan Construction Management, Inc., and, following a discussion at Council Workshop on April 21, solicitation for contractors will begin.
- We plan to have related Council workshop updates and Council Agenda Items scheduled soon.

Parks & Recreation

- Part time hiring for the summer is continuing for Metro Pool and Parks and Recreation staff.
- Spring cleanup will demand a lot of resources from the Grounds, and Parks, departments. (2 weeks with 5-6 people)
- Staff is working on getting the pool ready to open. Registrations for swim lessons begin on April 5th.

Ute Theater

- Net profit for Ute Concessions/Bar as of March 25th is \$1039.00. This includes 3 Recreation Cornhole events and 1 concert with a small audience/live stream.
- The following is a list of all events tentatively scheduled at the Ute for the remainder of 2021. (thus far)
 1. Corn Hole 3/25, 4/01,08
 2. City Health Fair 3/30
 3. Anniversary Party 5/15, 100 people
 4. Full Throttle Dance 5/21 – 5/23, 6 shows
 5. NUTS MCT Camp 7/19 – 7/24
 6. Private Party 7/31, 150 people
 7. Quinceanera, 08/07, 150 – 200 people
 8. Women's Hunting Clinic, 8/14, 50 – 100 people
 9. Wedding, 8/21, 200 people
 10. Young Dubliners Concert (Ute), 8/27, 250 people
 11. Quinceanera, 9/4, 175 people
 12. MGP Suzy Bogguss Concert, 9/17, 250 people
 13. Quinceanera, 9/18, 175 people
 14. Samantha Fox (Ute), 11/04, 200 people
 15. Defiance Community Players, 11/9 – 11/21, 5 Shows, 3 Rehearsals
 16. Private Party, 12/2, 150 people
 17. Hometown Holidays, 12/3-4 Santa / Nutcracker, 200 people

This is everything that is tentative as of March 25th 2021. All users are aware of the current COVID-19 rules as they apply to the Ute. COVID could affect the number of people that would be allowed per GCHD.

ALSO, related to July 3rd planning, etc.... (from Garfield County)

COMMUNITY NOTICE

3.18.21

Public Health guidance for planning events in Garfield County

Spring and summer are busy seasons for event planners in Garfield County. Event organizers must complete the appropriate forms 30 days prior to hosting an event. An event is defined as an activity that is open to the public, for approximately 40 people or more. Garfield County Public Health has updated the [event coordinator guidance](#) with the latest COVID-19 measures and restrictions.

Current event measures in place

- Face coverings are required in all settings, indoor or outdoor
- Organizers are responsible for ensuring that social distancing and mask wearing occur
- Size limits depend on the [current COVID Dial Level](#) and are subject to change

Event coordinator required forms

- Fill out a Garfield County [Social Distancing Plan](#). This form can help you think through the steps of planning a great event.
- Complete the Garfield County [Event Coordinator Plan](#) at least 30 days prior to the event.

Outdoor events

[Outdoor events guide](#) includes: *Outdoor receptions, events, fairs, rodeos, non-critical auctions, concerts, outdoor markets, or other outdoor venues not covered in other guidance where these guidelines and adherence to physical distance can be maintained.*

Indoor events

[Indoor events guide](#) includes: Receptions, events, concerts, non-critical auctions, theaters, trade shows, or other indoor venues not covered in other guidance documents where these guidelines and adherence to physical distance can be maintained.

This guidance does not apply to activities covered under guidelines for restaurants, houses of worship, personal recreation, or outdoor recreation.

Events that can fully follow the restaurant guidelines for the entire event may operate as a restaurant and follow those guidelines and capacity restrictions. This means that parties are seated, there are no shared activities, and any performers are at least 12 feet from patrons if wearing masks (25 feet if unmasked). Please see the [restaurant guidance](#) for more details.