



Sterling Ranch Metropolitan District 1

**WATER RESOURCES
And
WASTEWATER REPORT
For
Sterling Ranch Service Area**

**Updated
September 17, 2019
Prepared By:**



CONSULTANTS, INC.

Executive Summary:
Water Resources and Wastewater Report
Sterling Ranch Metropolitan District #1
Rev. September 17, 2019

Sterling Ranch Metropolitan District #1 (SRMD#1) will be the primary water/wastewater provider for not only areas within Sterling Ranch, but The Retreat at TimberRidge and The Ranch have been added as service areas and will be served via an overlapping district or Intergovernmental Agreement with SRMD#1.

The original Water Report for Sterling Ranch Metropolitan District #1 was prepared and submitted in May of 2015. The most recent update was made in February of 2019. This update includes two additional final plats, however these additions have already been accounted for in the Sterling Ranch Preliminary Plan Phase One commitment and the Retreat at TimberRidge PUD and Development Plan.

Water

Sterling Ranch has issued “hard” commitments for six preliminary and final plats which are contained within the original Sterling Ranch Preliminary Plan Phase One area. “Hard” commitments are those commitments based on actual entitled preliminary or final plats. Sketch plans do not rise to the level of land use detail that allows for quantitative identification of water demand. The Phase One area commitment includes 726 SFE and 255.96 AF_{300 year}. **All of the six preliminary and final plats processed or being processed to date are contained within the original Phase One commitment area.**

The Retreat at TimberRidge has submitted a PUD Development Plan that requires a commitment of 57.89 AF_{300 year} for 164 lots that will be served by the central system. The commitment is satisfied by 48.73 AF_{300 year} onsite water and 9.16 AF_{300 year} transferred from SRMD#1.

The Ranch will also be served by SRMD#1. The Ranch has onsite water equivalent to 245 AF_{300 year} but has not yet developed to either a preliminary or final plat stage so currently includes no active hard commitments. It should be noted that The Ranch and the 245 AF are within the Upper Black Squirrel Groundwater Basin and therefore the water must be used within The Ranch boundaries.

SRMD#1 has adequate supply on a 300 year basis to meet all current hard commitments including Branding Iron at Sterling Ranch Filing No 2 and Retreat at TimberRidge Filing No 1 (lots 12 through 70 inclusive).

Wastewater

SRMD#1 is the permanent provider of wastewater services for SRMD#1 including Branding Iron. SRMD#1 has a permanent Intergovernmental Agreement (IGA) with Meridian Service Metropolitan District for the provision of permanent wastewater treatment services. The IGA with Meridian Service Metropolitan District allows for up to 5849 SFE of capacity. SRMD #1 developed a one-year interim agreement with Colorado Springs Utilities (CSU) for provision of wastewater treatment services to allow time for completion of facilities to MSMD.

Note on September 17, 2019 revision to Water and Wastewater Report for Sterling Ranch.

This update contains no substantive changes to the original water and water report. The only modification to the report is a notation in the Executive Summary and Section 4.1 that **Interim Wastewater Treatment Service** will be provided by Colorado Springs Utilities (CSU) for a period of up to one year. The primary Wastewater Service provider remains Sterling Ranch Metropolitan District #1 and permanent Wastewater Treatment Service remains the responsibility of Meridian Service Metropolitan District.

The interim CSU agreement is being included in Appendix of the Report

However, Sterling Ranch remains the committed wastewater provider and Meridian remain the permanent Wastewater Treatment provider as represented in the original report.

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SECTION 1 INTRODUCTION

The purpose of this report is to provide an accounting of current and contingent water rights and supply for Sterling Ranch Metropolitan District #1. This water report is for the Sterling Comprehensive Service Area which includes two additional service areas. This particular update adds two final plats.

1.1 Development Description:

Sterling Ranch Development consists of approximately 1,444 acres located east of Vollmer Rd and north of Woodmen Rd, Section 33, Township 12 South, Range 65 West of the 6th P.M. Districts 1, 2 and 3 are considered Special Districts and are under the jurisdiction of the Special District Act

1,119 acres is designated for 5,225 residential units. 56.36 acres is designated for commercial use. 270 acres is designated for open space, greenways, trails, parks, and school sites.

The Retreat at TimberRidge has 164 single family lots that are anticipated to be served by the Central Sterling system. The Retreat at TimberRidge has a total of 41 Rural sized lots to be served by single family wells and septic. Although the Table for water supply notes the water resources for the rural component of the Retreat, we have not calculated that source nor that demand into the central system figures

The Ranch is on 610.47 acres and estimates a single family dwelling demand of between 1307 and 2179 units along with a Park and School. For the purpose of this report we will estimate the demand at 2100 SFE.

SECTION 2 PROJECTION OF WATER NEEDS

2.1 Expected Water User Characteristics:

It is expected that urban style residential lots will be developed with single family housing anticipating turf grass landscaping of less than 3,000 square feet per lot. There are a few larger irrigation users anticipated for the development. There are a limited number of schools, parks, and commercial acreages that we have converted to Single Family Equivalents (SFE). The unit user characteristic employed is consistent with Sterling and other developed areas in the Falcon area. That value is 0.353 AF per SFE annually.

2.2 Summary of Current Commitments

The current level of hard service commitments is summarized as follows. It should be noted that Sketch Plans, long term potential demands and other non-entitled levels of planning are not considered until such a time as land use planning advances to a stage that known land use is identified. Table 1 identifies the existing commitments for service. Recent additions included in this update are included in red.

Table 1
Committed Water Demands for Sterling Ranch Service Area

<u>Service Area</u>	<u>SFE</u>	<u>Water-Acre Feet per Yr</u>
Sterling Ranch Phase One * (commitment dated May 2015)	725	255.96
The Retreat at TimberRidge	164	57.9

Retreat at Timber Ridge includes the following plat areas;

- Retreat at TimberRidge Filing No. 1

Sterling Ranch Phase One includes the following plat areas;

- Branding Iron at Sterling Ranch Filing #1
- Sterling Ranch #2
- Homestead at Sterling Ranch Filing No 1
- Homestead at Sterling Ranch Filing No 2
- Copper Chase at Sterling Ranch Filing No 1
- Branding Iron at Sterling Ranch Filing No. 2

Total Annual Committed Demand of the Sterling Service Area is 313.86 Acre-Feet per Year

SECTION 3 PROPOSED WATER RIGHTS AND SYSTEM FACILITIES

3.1 Water Rights:

Water rights adjudications have been decreed by the State of Colorado, Water Division 2 District Court, Water Division 1 District Court, and the Colorado Groundwater Commission. The comprehensive rights for the Sterling Service area include both decrees, and determinations. In addition to groundwater adjudicated under the various service areas, Sterling has contracted for numerous off-site groundwater acquisitions which include three major sites.

Table 2 is a table detailing all of the water rights currently available for the Sterling Service Area.

The three local groundwater rights are associated with the three service area portions; Sterling, Retreat, and The Ranch. Each of these sites has existing decrees and/or determinations outlining the rights associated with the development lands. It is noteworthy that the Retreat proposes that 41 rural style lots will be developed using single family wells and septic. In Table 2, we have noted the rights associated with those proposed wells, but we have not included those rights in the calculations for water available to the central system.

Table 2
Sterling Ranch Metropolitan District
Comprehensive Water Supply Inventory
Currently Available Supply

Land Formation/Aquifer	Finding/Determination/Decree	Tributary Status	Volume	Annual Allocation 100 Year	Annual Allocation 300 Year	Approved Well Locations	Notes	Saturated Sand Thickness	Specific Yield
			Acre-Feet	A-F/Year	A-F/Year				
Currently Available On-Site Sterling Water Legal Sources									
Laramie Fox Hills	86-CW-19 08CW113	NT	53,900	539.00	179.67	KLF-1 - KLF-4	Under 1410 acres Under 41.44 acres, reduced to 1.44 acres	255	15%
		NT	40	0.40	0.13				
Arapahoe	86-CW-18	NT	57500	575.00	191.67	KA-1 - KA-4	Under 1410 acres	240	17%
Currently Available On-Site Elkhorn (The Ranch) Water Legal Sources									
Laramie Fox Hills		NT	17,000	170.00	56.67		646.029 acres		
Arapahoe		NT	23600	236.00	78.67		646.029 acres		
Denver NNT		NNT	32900	329.00	109.67		646.029 acres		
Currently Available On-Site Retreat Water Legal Sources (Note 1)									
Laramie Fox Hills LFH (Relinquishment)	17CW3002 18CW3002	NT NT	6,440 -2,796			29 Single Family Wells [Phase 2 (excluding Lots 11-12); Lots 39, 40 & 41 of Phase 4; & 5]	Under 225.97 acres	190	15%
Arapahoe	17CW3002	NT	3,644	36.44	12.15				
Laramie Fox Hills	16CW3095	NT	9,796	97.96	32.65				
Arapahoe	16CW3095	NT	1,005	10.05	3.35				
Arapahoe Arapahoe (Relinquishment)	16CW3095 16CW3095	NT NT	1,499 -1,324						
Legal Supply: Phase 3, Phase 4 (excluding Lots 39-41)			175	1.75	0.58				
Augmentation (Dawson NNT)	18CW3002	Aug	14,620	146.20	48.73				
Legal Supply: Phase 2			2,796	27.96	9.32		Replace a min of 34% of		
Augmentation (Dawson NNT)	16CW3095	Aug		1567.5	15.68	5.23	Replace actual depletions		
Legal Supply Phase 1					5.23	(Phase 1)			
Currently Available Off-Site Ground Water Legal Sources									
Augmentation (Dawson NNT)	18CW3005 (Pending)	Aug	240.0	2.40	0.80	(Phase 2 - Lots 11 & 12)	pumping		
2)			240.0	2.4	0.8				
Currently Available Off-Site Sterling Water Legal Sources (Bar-X)									
Laramie Fox Hills	93-CW-018	NT	55,200	552.00	184.00		Shamrock/Bar-x Rights	200	15%
Total Current Available 300-Year Water Supply					849.2				
Note 1. The water listed in the shaded area will be used to serve single family wells and is not included in the Total Available for the Central System									

3.2 *Analysis of Adequacy of Current Legal Water Supply:*

Water rights adjudications have been decreed by the State of Colorado, Water Division 2 District Court, Water Division 1 District Court, and the Colorado Groundwater Commission. It should be noted that the rights have certain limitations in locations of use. The rights by area are as follows;

- Sterling on and off site rights- 555.47 AF_{300 year}
- Retreat at TimberRidge on site rights are 48.73 AF_{300 year}
- The Ranch on site rights- 245.0 AF_{300 year}

Of the Sterling rights, 9.16 AF_{300 year} have been committed to the Retreat Service Area, leaving a net Sterling on-site availability of 546.31 AF_{300 year}.

The on-site rights underlying The Ranch are within the Upper Black Squirrel and are limited in use area to The Ranch and the Upper Black Squirrel Designated Basin. Therefore the 245.0 AF_{300 year} can only be used on the Ranch and not on Sterling ranch proper.

As of February 28, 2019, all of the Retreat water and 9.16 AF from Sterling are committed to the Retreat. As of February 28, 2019, of the net available 546.31 AF_{300 year}, 255.96 AF_{300 year}, have been dedicated to Sterling Ranch Phase One which includes all of the existing preliminary and final plats to date.

This leaves a net uncommitted amount of water for the remainder of Sterling Ranch of 290.35 AF_{300 year}.

3.3 *Source of Physical Supply:*

Municipal water demand would be met using primarily Arapahoe and Laramie-Fox Hills formation wells in the Sterling area. The first well site will be drilled with an Arapahoe Well (A-1) and Laramie-Fox Hills Well (LFH-1). Well site #1 includes both an Arapahoe and a Laramie Fox Hills well. Permits will be obtained as needed to ultimately continue to add to the system as needed.

Off site water to the north of the Sterling Service Area is generally in the Denver and Arapahoe formations. Some Laramie Fox Hills water has been contracted for and can be either physically accessed or used to augment NNT water not otherwise counted in Table 2.

3.4 *Water Quality and Treatment:*

Appendix C contains the water quality reports for the initial wells drilled at Sterling Ranch. The quality is generally consistent with Denver Basin water typically encountered in the Falcon area. The water quality in these aquifers in this area has typically been suitable for potable use with the addition of iron and manganese treatment.

3.4 *Water Storage, Distribution and Transmission Lines*

An initial tank has already been constructed at the Sterling site.

For the purpose of fire protection, we recommend eight inch lines throughout the residential subdivision. The lines should be looped wherever street layout allows. A transmission line of a minimum of 18 inch diameter should be extended south-southwesterly along one of the major roadways from the storage tank into Phase One of the development.

3.5 *Pumping for Service Pressures:*

Ground elevations within the development service area range from approximately 6,970 to 7,320. Adequate service pressures are generally considered 60 psi for residential service. The tank site is on the Sterling property at a base elevation of approximately 7,310 feet which would be capable of supplying acceptable service pressures to ground elevations of approximately 7,190. Initial development is anticipated to be at elevations below 7,190 so the tank site will be able to provide adequate pressure.

As development construction progresses, the SRMD #1 District plans to construct the northern transmission line to bring in the off-site water contracted for. Because the storage tanks are located at a high elevation, there is substantial pressure for residential service and fire flow for initial development of Sterling Ranch and all of The Ranch.

SECTION 4 WASTEWATER AND WASTEWATER TREATMENT

4.1 *Wastewater Contract and Treatment*

The Sterling Ranch Metropolitan District #1 is responsible for permanent wastewater service to the service areas of Sterling Ranch. SRMD#1 has a perpetual contract with the Meridian Service Metropolitan District (MSMD) for the provision of wastewater treatment. The contract allows for the purchase of up to 5849 SFEs of wastewater capacity from MSMD. Wastewater projections are based on similar District historical use developed in the Falcon area. Average daily wastewater loads are expected to be roughly 172 gallons per day per single family residence. **It should be noted that SRMD#1 has developed a one-year interim agreement for the provision of wastewater treatment services to SRMD#1 through Colorado Springs Utilities (CSU). The purpose of this interim arrangement is to allow time to complete connections to the MSMD system.**

From Table 1, the total committed wastewater taps are identical to those designated for water, which is 164 for the Retreat and 725 for Sterling Ranch. Consequently, Sterling has significant uncommitted capacity for wastewater.

4.2 *Wastewater Collection and Pumping*

All lands to be developed within the Sterling Ranch and the Retreat areas will gravity feed to the southern portion of the Sterling site. This will be the main collection point for most of the entire future development as well. Sterling is completing construction of the Lift Station and Force Main to serve the area. The force main is constructed across the lower portion of The Ranch. From this point wastewater is intercepted by Meridian Service Metropolitan District.

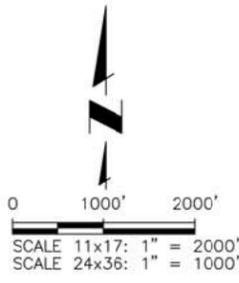
4.3 *Wastewater Treatment*

MSMD owns 2.2 million gallons per day of wastewater capacity in the Black Squirrel Wastewater Facility. The plant operator, Cherokee Metropolitan District (CMD) has already approved connections, and systems associated with transport and treatment. MSMD and CMD are in compliance with their current COC issued by the Colorado Department of Public Health and Environment.

It should be noted that SRMD#1 has developed a one-year interim agreement for the provision of wastewater treatment services to SRMD#1 through Colorado Springs Utilities (CSU). The purpose of this interim arrangement is to allow time to complete connections to the MSMD system.

Appendix A

J:\JDS-Hydro\Project Files\161 Morley Investments, LLC\161.04 Sterling Ranch\Drawings\16104_Sterling_Ranch.dwg
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WATER STORAGE TANK

PRIVATE WELL AREA

THE RESERVE

STERLING RANCH

THE RANCH

JDS-HYDRO CONSULTANTS, INC.
5540 TECH CENTER DR., SUITE 100
COLORADO SPRINGS, COLORADO 80919
(719) 227-0072
DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO CONSULTANTS, INC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

STERLING RANCH METROPOLITAN DISTRICT

APPENDIX A
WATER SERVICE AREAS

NO.	DESCRIPTION	BY	APP.	DATE
1				
2				
3				
4				
5				
6				
7				

EXHIBIT

Project No.: 161.04
Date: 02/22/19
Design: JPM
Drawn: GUS
Check: JPM

SHEET OF

BRANDING IRON AT STERLING RANCH FILING NO. 2

A REPLAT OF TRACT K, "STERLING RANCH FILING NO. 1", SAID TRACT BEING A PORTION OF THE SE ¼ NW ¼ AND THE NE ¼ SW ¼ OF SECTION 33, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, EL PASO COUNTY, COLORADO

BE IT KNOWN BY THESE PRESENTS:

THAT SR LAND, LLC, BEING THE OWNER OF THE FOLLOWING DESCRIBED TRACT OF LAND TO WIT:

LEGAL DESCRIPTION:

A REPLAT OF TRACT K, "STERLING RANCH FILING NO. 1", AS RECORDED UNDER RECEPTION NO. 218714151 IN THE EL PASO COUNTY RECORDS,

SAID TRACT BEING A PORTION OF THE SE ¼ NW ¼ AND THE NE ¼ SW ¼ OF SECTION 33, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, EL PASO COUNTY, COLORADO;

CONTAINING A CALCULATED AREA OF 822,466 SQUARE FEET (18.881 ACRES) MORE OR LESS

ACCEPTANCE CERTIFICATE FOR TRACTS:

THE DEDICATION OF TRACT A IS FOR LANDSCAPE PURPOSES, DRAINAGE, PEDESTRIAN ACCESS, OPEN SPACE, AND UTILITIES PURPOSES AND ARE HEREBY ACCEPTED FOR OWNERSHIP AND MAINTENANCE BY STERLING RANCH METROPOLITAN DISTRICT NO. 1.

BY _____ OF STERLING RANCH METROPOLITAN DISTRICT NO. 1

STATE OF COLORADO }
COUNTY OF EL PASO } SS

ACKNOWLEDGED BEFORE ME THIS THIS _____ DAY OF _____, 2018, A.D. BY _____ OF STERLING RANCH METROPOLITAN DISTRICT NO. 1

WITNESS MY HAND AND OFFICIAL SEAL:

MY COMMISSION EXPIRES: _____ NOTARY PUBLIC _____

OWNERS CERTIFICATE/DEDICATION STATEMENT:

THE UNDERSIGNED, BEING ALL THE OWNERS, MORTGAGEES, BENEFICIARIES OF DEEDS OF TRUST AND HOLDERS OF OTHER INTERESTS IN THE LAND DESCRIBED HEREIN, HAVE LAID OUT, SUBDIVIDED, AND PLATTED SAID LANDS INTO LOTS, TRACTS, STREETS, AND EASEMENTS AS SHOWN HEREON UNDER THE NAME AND SUBDIVISION OF "BRANDING IRON AT STERLING RANCH FILING NO. 2". ALL PUBLIC IMPROVEMENTS SO PLATTED ARE HEREBY DEDICATED TO PUBLIC USE AND SAID OWNER DOES HEREBY COVENANT AND AGREE THAT THE PUBLIC IMPROVEMENTS WILL BE CONSTRUCTED TO EL PASO COUNTY STANDARDS AND THAT PROPER DRAINAGE AND EROSION CONTROL FOR SAME WILL BE PROVIDED AT SAID OWNER'S EXPENSE, ALL TO THE SATISFACTION OF THE BOARD OF COUNTY COMMISSIONERS OF EL PASO COUNTY, COLORADO. UPON ACCEPTANCE BY RESOLUTION, ALL PUBLIC IMPROVEMENTS SO DEDICATED WILL BECOME MATTERS OF MAINTENANCE BY EL PASO COUNTY, COLORADO. THE UTILITY EASEMENTS SHOWN HEREON ARE HEREBY DEDICATED FOR PUBLIC UTILITIES AND COMMUNICATION SYSTEMS AND OTHER PURPOSES AS SHOWN HEREON. THE ENTITIES RESPONSIBLE FOR PROVIDING THE SERVICES FOR WHICH THE EASEMENTS ARE ESTABLISHED ARE HEREBY GRANTED THE PERPETUAL RIGHT OF INGRESS AND EGRESS FROM AND TO ADJACENT PROPERTIES FOR INSTALLATION, MAINTENANCE AND REPLACEMENT OF UTILITY LINES AND RELATED FACILITIES.

THE AFOREMENTIONED, SR LAND, LLC HAS EXECUTED THIS INSTRUMENT THIS _____ DAY OF _____, 2018, A.D.

BY: _____

PRINTED NAME: _____

AS: _____ OF SR LAND, LLC

STATE OF COLORADO }
COUNTY OF EL PASO } SS

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS THIS _____ DAY OF _____, 2018, A.D. BY _____ OF _____ OF SR LAND, LLC.

WITNESS MY HAND AND OFFICIAL SEAL:

MY COMMISSION EXPIRES: _____ NOTARY PUBLIC _____

PLAT NOTES:

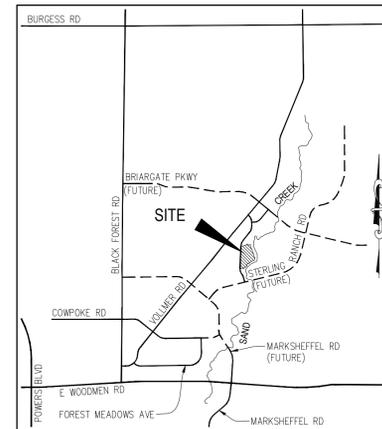
- BASIS OF BEARINGS:**
BEARINGS ARE BASED ON THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW1/4) OF SECTION 34, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH P.M. AS MONUMENTED AT THE SOUTHWEST CORNER OF SAID SOUTHWEST QUARTER (SW1/4) BY A 2-1/2" ALUMINUM CAP STAMPED "LS 11624" AND AT THE SOUTHEAST CORNER OF SAID SOUTHWEST QUARTER (SW1/4) BY A 2-1/2" ALUMINUM CAP STAMPED "LS 11624", SAID LINE BEARS N89°14'14"E, A DISTANCE OF 2,722.56 FEET. THE UNITS OF MEASUREMENT IS U.S. SURVEY FEET.
- FLOODPLAIN STATEMENT:**
NO PORTION OF THIS SITE IS LOCATED WITHIN A DESIGNATED FEMA FLOODPLAIN AS DETERMINED BY THE FLOOD INSURANCE RATE MAP, COMMUNITY MAP NUMBER 08041C0535F, EFFECTIVE DATE MARCH 17, 1997.

PLAT NOTES: (CONTINUED)

- TITLE COMMITMENT:**
THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY M&S CIVIL CONSULTANTS, INC., TO DETERMINE THE COMPATIBILITY OF THIS DESCRIPTION WITH THAT OF ADJACENT TRACTS OF LAND, OWNERSHIP OR EASEMENTS OF RECORD. FOR ALL INFORMATION REGARDING EASEMENTS, RIGHT-OF-WAY OR TITLE OF RECORD, M&S CIVIL CONSULTANTS, INC., RELIED UPON TITLE COMMITMENT FILE NO. 172091, PREPARED BY CAPSTONE TITLE, DATED JUNE 13, 2018.
- WATER SERVICE SHALL BE SUPPLIED BY STERLING RANCH METROPOLITAN DISTRICT NO. 1.
- SEWER SERVICE SHALL BE SUPPLIED BY STERLING RANCH METROPOLITAN DISTRICT NO. 1.
- ELECTRIC SERVICE SHALL BE PROVIDED BY MOUNTAIN VIEW ELECTRIC ASSOCIATION.
- NATURAL GAS SERVICE SHALL BE PROVIDED BY COLORADO SPRINGS UTILITIES.
- FIRE PROTECTION BY THE BLACK FOREST FIRE PROTECTION DISTRICT.
- ALL STRUCTURAL FOUNDATIONS SHALL BE LOCATED AND DESIGNED BY A PROFESSIONAL ENGINEER, CURRENTLY LICENSED IN THE STATE OF COLORADO.
- THE FOLLOWING REPORTS HAVE BEEN SUBMITTED IN ASSOCIATION WITH THE PRELIMINARY PLAN OR FINAL PLAN FOR THIS SUBDIVISION AND ARE ON FILE AT THE COUNTY DEVELOPMENT SERVICES DEPARTMENT: TRANSPORTATION IMPACT STUDY; DRAINAGE REPORT; WATER RESOURCES REPORT; WASTEWATER DISPOSAL REPORT; NATURAL HAZARDS REPORT; GEOLOGY AND SOILS REPORT; WETLAND STUDY/404 PERMIT.
- ALL PROPERTY OWNERS ARE RESPONSIBLE FOR MAINTAINING PROPER STORM WATER DRAINAGE IN AND THROUGH THEIR PROPERTY. PUBLIC DRAINAGE EASEMENTS AS SPECIFICALLY NOTED ON THE PLAT SHALL BE MAINTAINED BY THE INDIVIDUAL LOT OWNERS UNLESS OTHERWISE INDICATED. STRUCTURES, FENCES, MATERIALS OR LANDSCAPING THAT COULD IMPEDE THE FLOW OF RUNOFF SHALL NOT BE PLACED IN DRAINAGE EASEMENTS.
- UNLESS OTHERWISE INDICATED, ALL SIDE LOT LINES ARE HEREBY PLATTED ON EITHER SIDE WITH A 5 FOOT PUBLIC UTILITY AND DRAINAGE EASEMENT, EXCEPT WHEN THE SIDE YARD IS ADJACENT TO A PUBLIC STREET AND THEREFORE A 10 FOOT SIDE YARD SHALL BE PLATTED AS A PUBLIC IMPROVEMENT. PUBLIC UTILITY AND DRAINAGE EASEMENT. ALL FRONT LOT LINES ARE HEREBY PLATTED WITH A 10 FOOT PUBLIC IMPROVEMENT, PUBLIC UTILITY AND DRAINAGE EASEMENT, AND ALL REAR LOT LINES ARE HEREBY PLATTED WITH A 10 FOOT PUBLIC UTILITY AND DRAINAGE EASEMENT. ALL EXTERIOR SUBDIVISION BOUNDARIES ARE HEREBY PLATTED WITH A 7 FOOT PUBLIC IMPROVEMENT, PUBLIC UTILITY AND DRAINAGE EASEMENT. EASEMENTS ARE HEREBY PLATTED IN THE LOCATIONS ON SHEETS 3 AND 4 OF THIS PLAT. THE SOLE RESPONSIBILITY FOR THE SURFACE MAINTENANCE OF EASEMENTS IS HEREBY VESTED WITH THE INDIVIDUAL PROPERTY OWNER UNLESS OTHERWISE NOTED.
- SIDE-LOT DRAINAGE SWALES SHALL BE CONSTRUCTED WHERE NECESSARY AT THE TIME OF HOME CONSTRUCTION.
- DEVELOPER SHALL COMPLY WITH FEDERAL AND STATE LAWS, REGULATIONS, ORDINANCES, REVIEW AND PERMIT REQUIREMENTS, AND OTHER AGENCY REQUIREMENTS, IF ANY, OF APPLICABLE AGENCIES INCLUDING, BUT NOT LIMITED TO, THE COLORADO DIVISION OF WILDLIFE, COLORADO DEPARTMENT OF TRANSPORTATION, U.S. ARMY CORPS OF ENGINEERS AND THE U.S. FISH AND WILDLIFE SERVICE REGARDING THE ENDANGERED SPECIES ACT, PARTICULARLY AS IT RELATES TO THE LISTED SPECIES.
- THE ADDRESSES EXHIBITED ON THIS PLAT ARE FOR INFORMATIONAL PURPOSES ONLY. THEY ARE NOT THE LEGAL DESCRIPTION AND ARE SUBJECT TO CHANGE.
- NO DRIVEWAY SHALL BE ESTABLISHED UNLESS AN ACCESS PERMIT HAS BEEN GRANTED BY EL PASO COUNTY.
- NO LOT OR INTEREST THEREIN, SHALL BE SOLD, CONVEYED, OR TRANSFERRED WHETHER BY DEED OR BY CONTRACT, NOR SHALL BUILDING PERMITS BE ISSUED, UNTIL AND UNLESS EITHER THE REQUIRED PUBLIC AND COMMON DEVELOPMENT IMPROVEMENTS HAVE BEEN CONSTRUCTED AND COMPLETED AND PRELIMINARILY ACCEPTED IN ACCORDANCE WITH THE SUBDIVISION IMPROVEMENTS AGREEMENT BETWEEN THE APPLICANT/ OWNER AND EL PASO COUNTY AS RECORDED UNDER RECEPTION NUMBER _____ IN THE OFFICE OF THE CLERK AND RECORDER OF EL PASO COUNTY, COLORADO OR, IN THE ALTERNATIVE, OTHER COLLATERAL IS PROVIDED TO MAKE PROVISION FOR THE COMPLETION OF SAID IMPROVEMENTS IN ACCORDANCE WITH THE EL PASO COUNTY LAND DEVELOPMENT CODE AND ENGINEERING CRITERIA MANUAL, ANY SUCH ALTERNATIVE COLLATERAL MUST BE APPROVED BY THE BOARD OF COUNTY COMMISSIONERS OR, IF PERMITTED BY THE SUBDIVISION IMPROVEMENTS AGREEMENT, BY THE PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT DIRECTOR AND MEET THE POLICY AND PROCEDURE REQUIREMENTS OF EL PASO COUNTY PRIOR TO THE RELEASE BY THE COUNTY OF ANY LOTS FOR SALE, CONVEYANCE OR TRANSFER.

THIS PLAT RESTRICTION MAY BE REMOVED OR RESCINDED BY THE BOARD OF COUNTY COMMISSIONERS OR, IF PERMITTED BY THE SUBDIVISION IMPROVEMENTS AGREEMENT, BY THE PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT DIRECTOR UPON EITHER APPROVAL OF AN ALTERNATIVE FORM OF COLLATERAL OR COMPLETION AND PRELIMINARY ACCEPTANCE BY THE EL PASO BOARD OF COUNTY COMMISSIONERS OF ALL IMPROVEMENTS REQUIRED TO BE CONSTRUCTED AND COMPLETED IN ACCORDANCE WITH SAID SUBDIVISION IMPROVEMENTS AGREEMENT. THE PARTIAL RELEASE OF LOTS FOR SALE, CONVEYANCE OR TRANSFER MAY ONLY BE GRANTED IN ACCORDANCE WITH ANY PLANNED PARTIAL RELEASE OF LOTS AUTHORIZED BY THE SUBDIVISION IMPROVEMENTS AGREEMENT.

- NOTICE: THIS PROPERTY MAY BE ADVERSELY IMPACTED BY NOISE, DUST, FUMES, AND LIGHT POLLUTION CAUSED BY ADJACENT INDUSTRIAL PROPERTIES AND ACTIVITIES. THE BUYER SHOULD RESEARCH AND BE AWARE OF THIS POTENTIALITY AND THE RAMIFICATIONS THEREOF.
- ANY PERSON WHO KNOWINGLY REMOVES, ALTERS OR DEFACTS ANY PUBLIC LAND SURVEY MONUMENT OR LAND BOUNDARY MONUMENT OR ACCESSORY, COMMITS A CLASS TWO (2) MISDEMEANOR PURSUANT TO CRS 18-4-508.
- ALL PROPERTY WITHIN THIS SUBDIVISION IS INCLUDED IN STERLING RANCH METROPOLITAN DISTRICT NO. 2.
- THE STERLING RANCH METROPOLITAN DISTRICT NO. 1 WILL BE RESPONSIBLE FOR MAINTENANCE OF THE ROADS UNTIL PRELIMINARY ACCEPTANCE OF THE PUBLIC IMPROVEMENTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, AND THE SUBDIVISION IMPROVEMENTS AGREEMENT.
- ALL PROPERTY WITHIN THIS SUBDIVISION IS SUBJECT TO A DECLARATION OF COVENANT AS RECORDED AT RECEPTION NO. _____ OF THE RECORDS OF THE EL PASO COUNTY CLERK AND RECORDER.
- SPECIAL DISTRICT DISCLOSURE:
A TITLE 32 SPECIAL DISTRICT ANNUAL REPORT AND DISCLOSURE FORM SATISFACTORY TO THE DEVELOPMENT SERVICES DEPARTMENT SHALL BE RECORDED WITH EACH PLAT.
- MAILBOXES SHALL BE INSTALLED IN ACCORDANCE WITH ALL EL PASO COUNTY AND UNITED STATES POSTAL SERVICE REGULATION.
- THE SUBDIVIDER(S) AGREES ON BEHALF OF HIM/HERSELF AND ANY DEVELOPER OR BUILDER SUCCESSORS AND ASSIGNEES THAT SUBDIVIDER AND/OR SAID SUCCESSORS AND ASSIGNEES SHALL BE REQUIRED TO PAY TRAFFIC IMPACT FEES IN ACCORDANCE WITH THE EL PASO COUNTY ROAD IMPACT FEE PROGRAM RESOLUTION (RESOLUTION NO. 16-454), OR ANY AMENDMENTS THERETO AT OR PRIOR TO THE TIME OF BUILDING PERMIT SUBMITTALS. THE FEE OBLIGATION, IF NOT PAID AT FINAL PLAT RECORDING, SHALL BE DOCUMENTED ON ALL SALES DOCUMENTS AND ON PLAT NOTES TO ENSURE THAT A TITLE SEARCH WOULD FIND THE FEE OBLIGATION BEFORE SALE OF THE PROPERTY. TRANSPORTATION IMPACT FEES ARE TO BE PAID AT BUILDING PERMIT.



VICINITY MAP
N.T.S.

PLAT NOTES: (CONTINUED)

- THE FOLLOWING LOTS HAVE BEEN FOUND TO BE IMPACTED BY GEOLOGIC HAZARDS. MITIGATION MEASURES AND A MAP OF THE HAZARD AREA CAN BE FOUND IN THE REPORT GEOLOGIC HAZARD REPORT BY ENTECH ENGINEERING, INC, DATED JANUARY 2009, IN FILE SP-14-015 AVAILABLE AT THE EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT. THE FOLLOWING LOTS ARE IMPACTED: POTENTIALLY SEASONAL SHALLOW GROUNDWATER: LOT 40 UNSTABLE SLOPES: LOTS 4, 5, 6, 15, 39, AND 40
- THERE SHALL BE NO DIRECT RESIDENTIAL LOT ACCESS TO DINES BOULEVARD.
- A PRIVATE DETENTION POND MAINTENANCE AGREEMENT FOR PONDS, 4 & 8 IS RECORDED UNDER REC. NO. 218061179, & REC. NO. 218061180, OF THE RECORDS OF EL PASO COUNTY.
- A RIGHT-OF-WAY LANDSCAPE LICENSE AGREEMENT IS RECORDED UNDER REC. NO. 218061176, OF THE RECORDS OF EL PASO COUNTY.
- A LANDSCAPE EXHIBIT IS RECORDED UNDER REC. NO. 218061176, OF THE RECORDS OF EL PASO COUNTY.
- A STORM BYPASS EASEMENT IS RECORDED UNDER REC. NO. 218054785, OF THE RECORDS OF EL PASO COUNTY.
- A CONSOLIDATED SERVICE PLAN FOR STERLING RANCH METROPOLITAN DISTRICTS 1, 2 AND 3 IS RECORDED UNDER REC. NO. 214042782, OF THE RECORDS OF EL PASO COUNTY.
- THE PROPERTY IS SUBJECT TO RESTRICTIONS AS DEFINED BY TRUSTEE'S SPECIAL WARRANTY DEED UNDER REC. NO. 206045408, OF THE RECORDS OF EL PASO COUNTY.

SURVEYORS CERTIFICATE

I, VERNON P. TAYLOR, A DULY REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY THAT THIS PLAT TRULY AND CORRECTLY REPRESENTS THE RESULTS OF A SURVEY MADE ON DATE OF SURVEY, BY ME OR UNDER MY DIRECT SUPERVISION AND THAT ALL MONUMENTS EXIST AS SHOWN HEREON; THAT MATHEMATICAL CLOSURE ERRORS ARE LESS THAN 1:10,000; AND THAT SAID PLAT HAS BEEN PREPARED IN FULL COMPLIANCE WITH ALL APPLICABLE LAWS OF THE STATE OF COLORADO DEALING WITH MONUMENTS, SUBDIVISION, OR SURVEYING OF LAND AND ALL APPLICABLE PROVISIONS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE.

I ATTEST THE ABOVE ON THIS _____ DAY OF _____, 2018.

VERNON P. TAYLOR
COLORADO PLS NO. 25966, FOR AND ON BEHALF OF M&S CIVIL CONSULTANTS, INC
20 BOULDER CRESCENT, SUITE 110
COLORADO SPRINGS, COLORADO 80903

NOTICE:

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

PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT DIRECTOR CERTIFICATE:

THIS PLAT FOR "BRANDING IRON AT STERLING RANCH FILING NO. 2" WAS APPROVED FOR FILING BY THE EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT DIRECTOR ON THIS _____ DAY OF _____, 2018, SUBJECT TO ANY NOTES OR CONDITIONS SPECIFIED HEREON.

DIRECTOR, PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT _____ DATE _____

BOARD OF COUNTY COMMISSIONERS CERTIFICATE:

THIS PLAT FOR "BRANDING IRON AT STERLING RANCH FILING NO. 2" WAS APPROVED FOR FILING BY THE EL PASO COUNTY, COLORADO BOARD OF COUNTY COMMISSIONERS ON THIS _____ DAY OF _____, 2018, SUBJECT TO ANY NOTES SPECIFIED HEREON AND ANY CONDITIONS INCLUDED IN THE RESOLUTION OF APPROVAL. THE DEDICATIONS OF LAND TO THE PUBLIC (STREETS AND EASEMENTS) ARE ACCEPTED, BUT PUBLIC IMPROVEMENTS THEREON WILL NOT BECOME MAINTENANCE RESPONSIBILITY OF EL PASO COUNTY UNTIL PRELIMINARY ACCEPTANCE OF THE PUBLIC IMPROVEMENTS IN ACCORDANCE WITH THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE AND ENGINEERING CRITERIA MANUAL AND THE SUBDIVISION IMPROVEMENTS AGREEMENT.

PRESIDENT, BOARD OF COUNTY COMMISSIONERS _____ DATE _____

CLERK AND RECORDER:

STATE OF COLORADO)
COUNTY OF EL PASO) SS

I HEREBY CERTIFY THAT THIS INSTRUMENT WAS FILED FOR RECORD IN MY OFFICE AT _____ O'CLOCK _____ M., THIS _____ DAY OF _____, 2018, A.D., AND DULY RECORDED UNDER RECEPTION NO. _____ OF THE RECORDS OF EL PASO COUNTY, COLORADO.

BY: _____ CHUCK BROERMAN, EL PASO COUNTY CLERK AND RECORDER

FEES:

DRAINAGE FEE:	_____	75 LOTS 14.692 ACRES	77.81%
BRIDGE FEE:	_____	1 TRACTS 0.086 ACRES	0.46%
SCHOOL FEE:	_____	RIGHTS-OF-WAY 4.103 ACRES	21.73%
PARK FEE:	_____	TOTAL 18.881 ACRES	100.00%

SUMMARY:

TRACT TABLE				
TRACT	SIZE (ACRES)	USE	MAINTENANCE	OWNERSHIP
A	0.086	DRAINAGE/LANDSCAPE/PUBLIC IMPROVEMENTS/ PUBLIC UTILITY	SRMD#1	SRMD#1
*SRMD#1 = STERLING RANCH METROPOLITAN DISTRICT NO. 1				

FINAL PLAT
BRANDING IRON AT
STERLING RANCH FILING NO. 2
JOB NO. 09-012
DATE PREPARED: 11/09/2018
DATE REVISED: --/--/2018



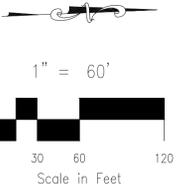
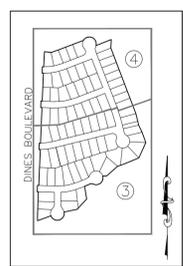
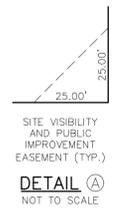
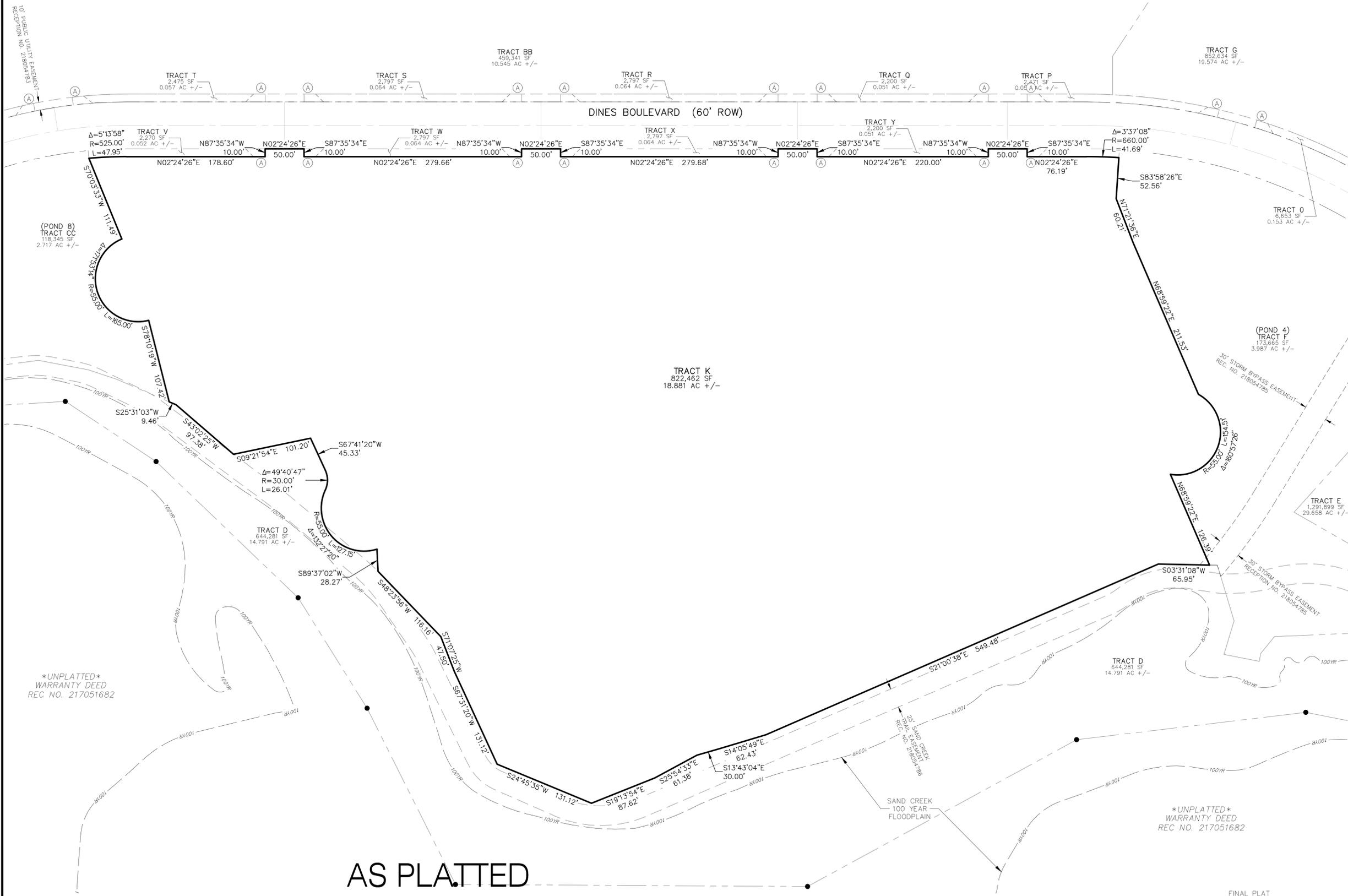
20 BOULDER CRESCENT, SUITE 110
COLORADO SPRINGS, CO 80903
PHONE: 719.955.5485

BRANDING IRON AT STERLING RANCH FILING NO. 2

A REPLAT OF TRACT K, "STERLING RANCH FILING NO. 1", SAID TRACT BEING A PORTION OF THE SE 1/4 NW 1/4 AND THE NE 1/4 SW 1/4 OF SECTION 33, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, EL PASO COUNTY, COLORADO

LEGEND:

- SF SQUARE FEET
- (R) RADIAL
- (xxxx) ADDRESS
- CH CHORD
- CH L CHORD LENGTH
- FOUND MONUMENT AS NOTED
- BOUNDARY LINE
- PROPERTY LINE
- RIGHT OF WAY LINE
- CENTERLINE
- EASEMENT LINE
- ADJACENT PROPERTY LINE
- EXISTING RIGHT OF WAY LINE
- EXISTING CENTERLINE
- EXISTING EASEMENT
- MATCHLINE
- PARCELS INDICATED WITH ASTERISK "*" ARE NOT A PART OF THIS SUBDIVISION



AS PLATTED
REC. NO. 218714151

UNPLATTED
WARRANTY DEED
REC NO. 217051682

FINAL PLAT
BRANDING IRON AT
STERLING RANCH FILING NO. 2
JOB NO. 09-012
DATE PREPARED: 11/09/2018
DATE REVISED: ___/___/2018



20 BOULDER CRESCENT, SUITE 110
COLORADO SPRINGS, CO 80903
PHONE: 719.955.5465

File: C:\9002A\Challenger_East\Map\Survey\Plat\09012_Branding Iron @ SR Filing 2 Final Plat.dwg Plotstamp: 11/19/2018 12:39 PM

BRANDING IRON AT STERLING RANCH FILING NO. 2

A REPLAT OF TRACT K, "STERLING RANCH FILING NO. 1", SAID TRACT BEING A PORTION OF THE SE 1/4 NW 1/4 AND THE NE 1/4 SW 1/4 OF SECTION 33, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, EL PASO COUNTY, COLORADO

MATCHLINE - SEE SHEET 4 OF 4

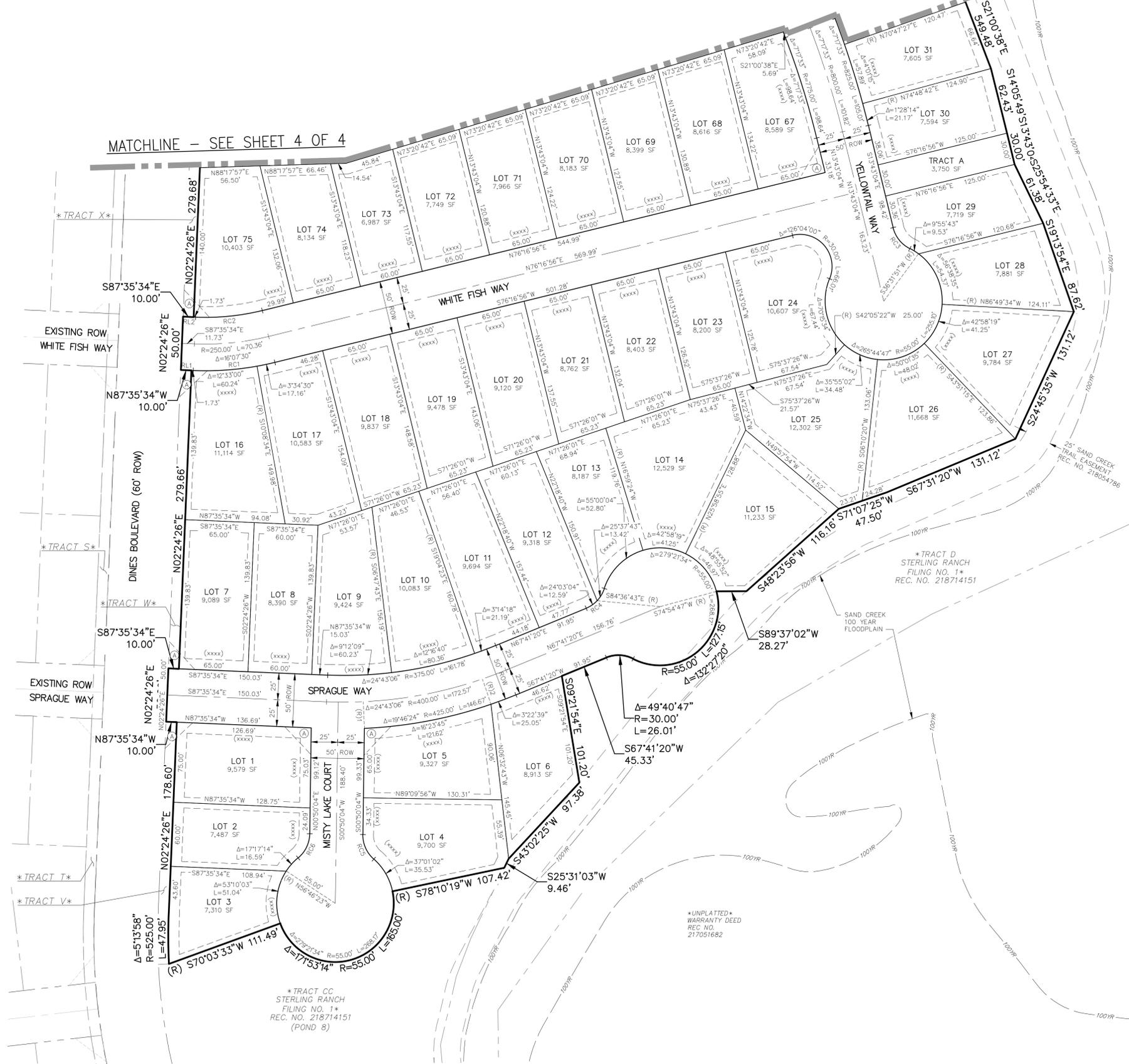
LEGEND:

- SF SQUARE FEET
- (R) RADIAL
- (xxxx) ADDRESS
- CH CHORD
- CH L CHORD LENGTH
- SET ORANGE PLASTIC SURVEYORS CAP ON NO. 4 REBAR, CAP IS STAMPED "M&S CIVIL PLS 32820"
- FOUND MONUMENT AS NOTED
- BOUNDARY LINE
- PROPERTY LINE
- RIGHT OF WAY LINE
- CENTERLINE
- EASEMENT LINE
- ADJACENT PROPERTY LINE
- EXISTING RIGHT OF WAY LINE
- EXISTING CENTERLINE
- EXISTING EASEMENT
- MATCHLINE
- PARCELS INDICATED WITH ASTERISK "*" ARE NOT A PART OF THIS SUBDIVISION

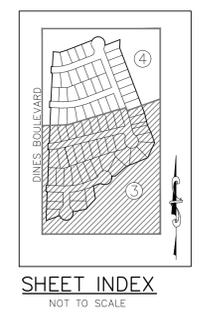
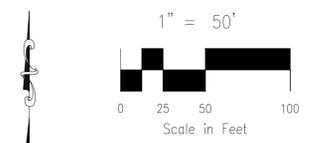
RIGHT-OF-WAY LINE TABLE		
LINE #	DISTANCE	BEARING
RL1	11.73	N87°35'34"W
RL2	11.73	S87°35'34"E

RIGHT-OF-WAY CURVE TABLE			
CURVE #	RADIUS	DELTA	LENGTH
RC1	275.00	16°07'30"	77.39
RC2	225.00	16°07'30"	63.32
RC3	30.00	49°40'47"	26.01
RC4	30.00	49°40'47"	26.01
RC5	30.00	49°40'47"	26.01
RC6	30.00	49°40'47"	26.01

RADIAL BEARING TABLE	
LINE #	BEARING
(R)1	N02°32'16"W
(R)2	N18°56'01"W



25.00'
SITE VISIBILITY AND PUBLIC IMPROVEMENT EASEMENT (TYP.)
DETAIL A
NOT TO SCALE



FINAL PLAT
BRANDING IRON AT
STERLING RANCH FILING NO. 2
JOB NO. 09-012
DATE PREPARED: 11/09/2018
DATE REVISED: ___/___/2018



20 BOULDER CRESCENT, SUITE 110
COLORADO SPRINGS, CO 80903
PHONE: 719.955.5465

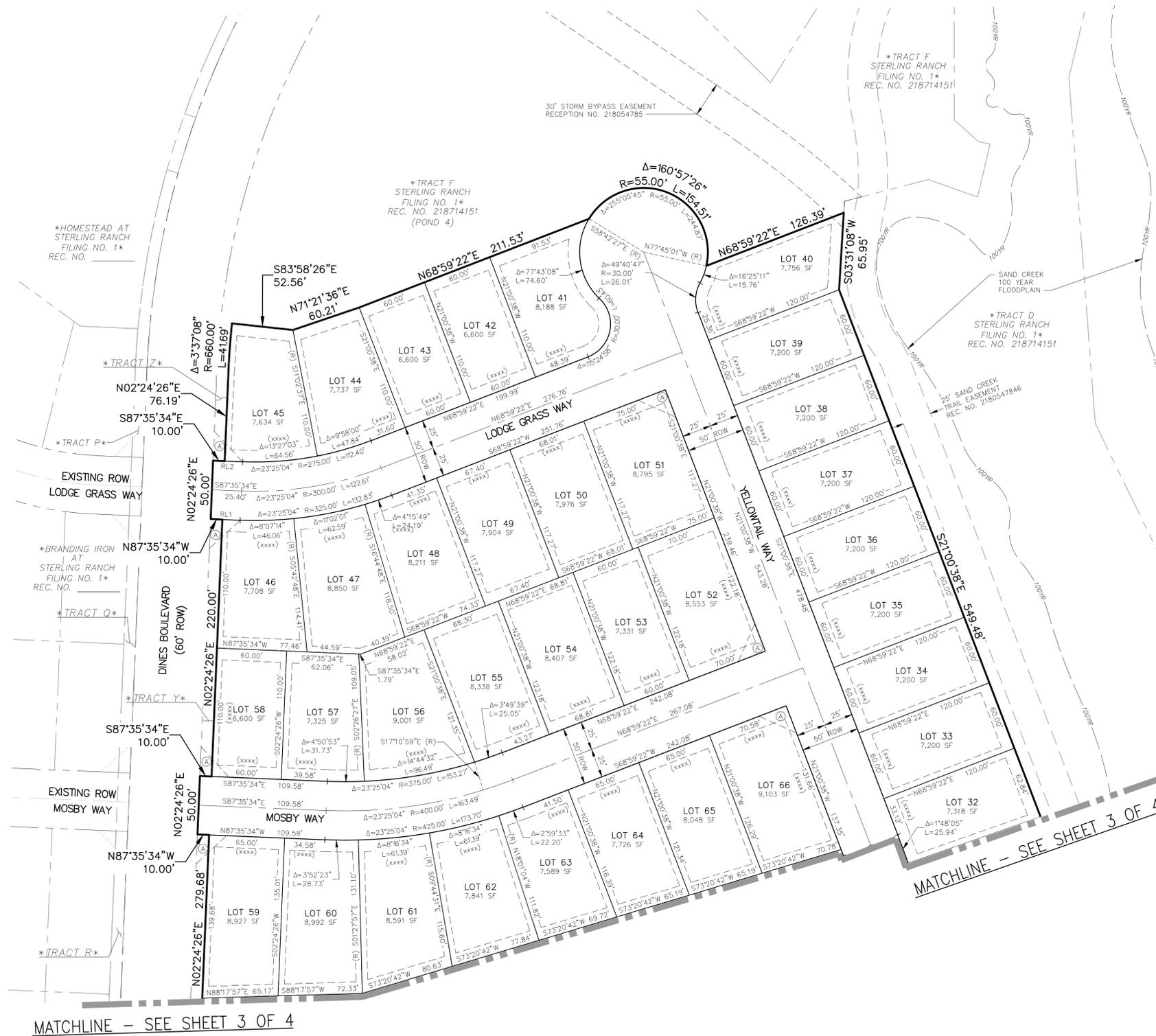
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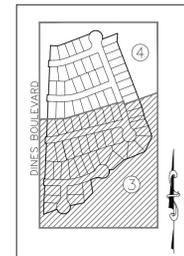
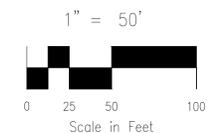
A REPLAT OF TRACT K, "STERLING RANCH FILING NO. 1", SAID TRACT BEING A PORTION OF THE SE 1/4 NW 1/4 AND THE NE 1/4 SW 1/4 OF SECTION 33, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, EL PASO COUNTY, COLORADO

LEGEND:

- SF SQUARE FEET
- (R) RADIAL
- (xxxx) ADDRESS
- CH CHORD
- CH L CHORD LENGTH
- SET ORANGE PLASTIC SURVEYORS CAP ON NO. 4 REBAR, CAP IS STAMPED "M&S CIVIL PLS 32820"
- FOUND MONUMENT AS NOTED
- BOUNDARY LINE
- PROPERTY LINE
- RIGHT OF WAY LINE
- CENTERLINE
- - - EASEMENT LINE
- - - ADJACENT PROPERTY LINE
- - - EXISTING RIGHT OF WAY LINE
- - - EXISTING CENTERLINE
- - - EXISTING EASEMENT
- MATCHLINE
- PARCELS INDICATED WITH ASTERISK "*" ARE NOT A PART OF THIS SUBDIVISION



RIGHT-OF-WAY LINE TABLE		
LINE #	DISTANCE	BEARING
RL1	25.40'	N87°35'34"W
RL2	25.40'	S87°35'34"E



FINAL PLAT
BRANDING IRON AT
STERLING RANCH FILING NO. 2
JOB NO. 09-012
DATE PREPARED: 11/09/2018
DATE REVISED: ___/___/2018

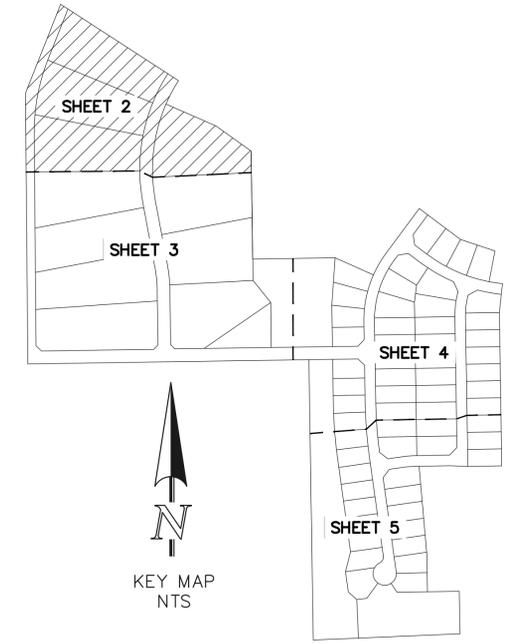
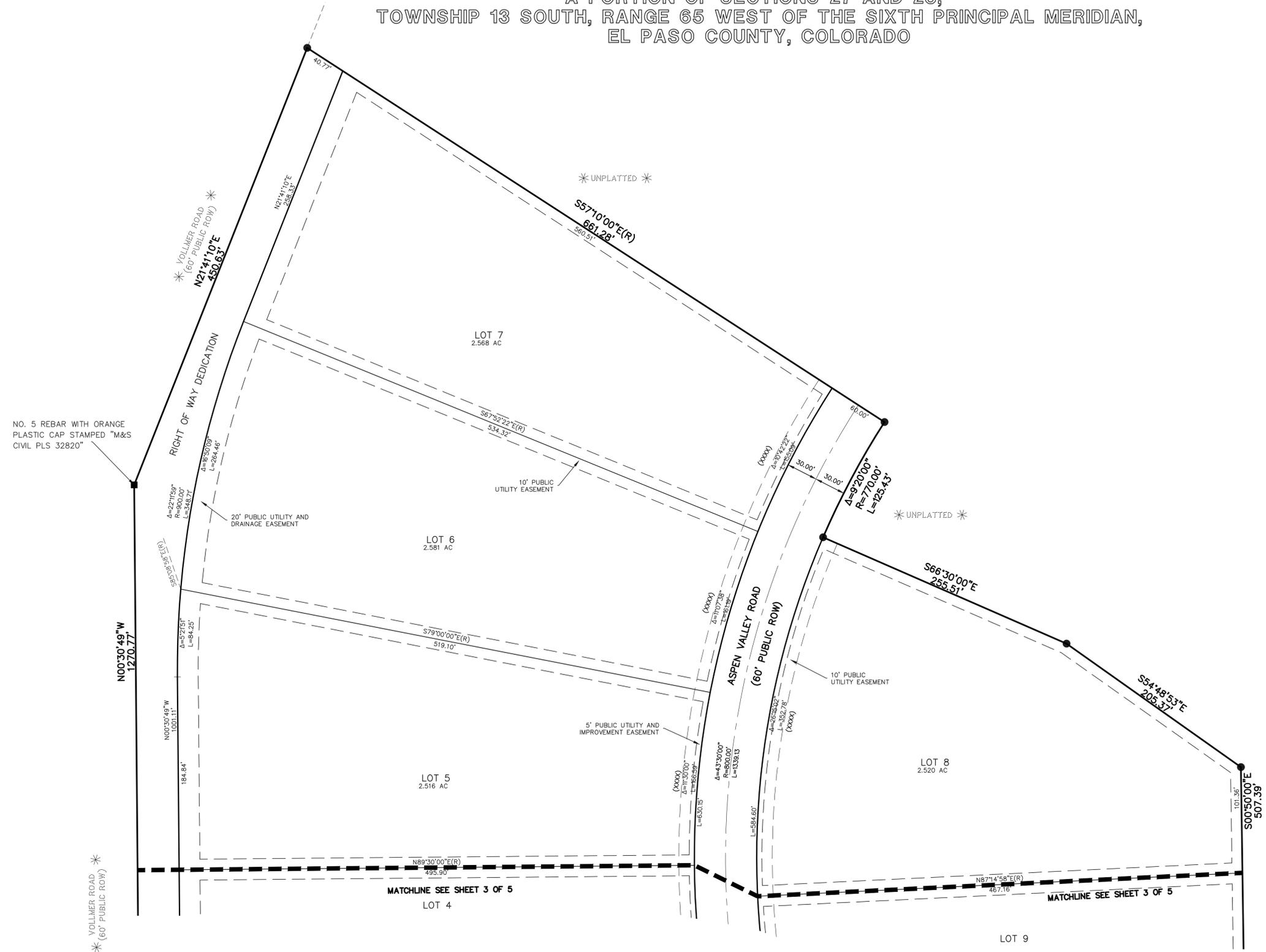


20 BOULDER CRESCENT, SUITE 110
COLORADO SPRINGS, CO 80903
PHONE: 719.955.5465

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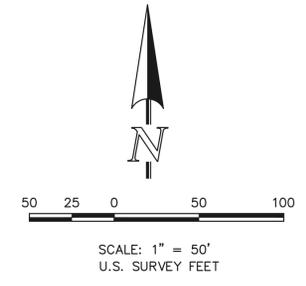
RETREAT AT TIMBERRIDGE FILING NO. 1

A PORTION OF SECTIONS 27 AND 28,
TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
EL PASO COUNTY, COLORADO



KEY MAP
NTS

- LEGEND**
- (R) RADIAL BEARING
 - AC ACRES
 - SF SQUARE FEET
 - 1-1/2" ALUMINUM SURVEYORS CAP STAMPED "DGS LLC PLS 30118" TO BE SET UNLESS OTHERWISE NOTED
 - * NOT PART OF THIS SUBDIVISION
 - (XXX) ADDRESS



RETREAT AT TIMBERRIDGE
FILING NO. 1
JOB NO. 1185.00
FEBRUARY 22, 2019
SHEET 2 OF 5

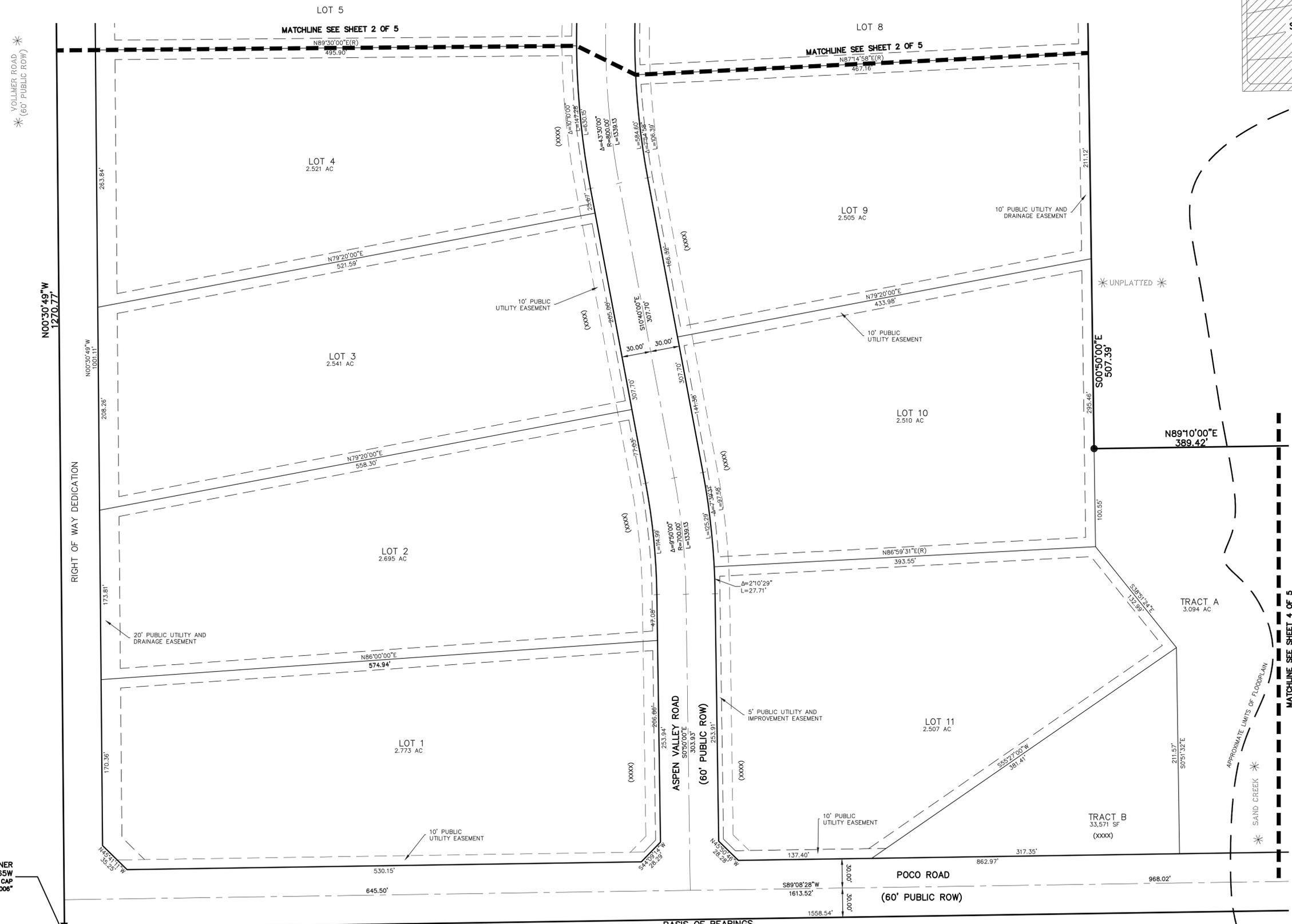
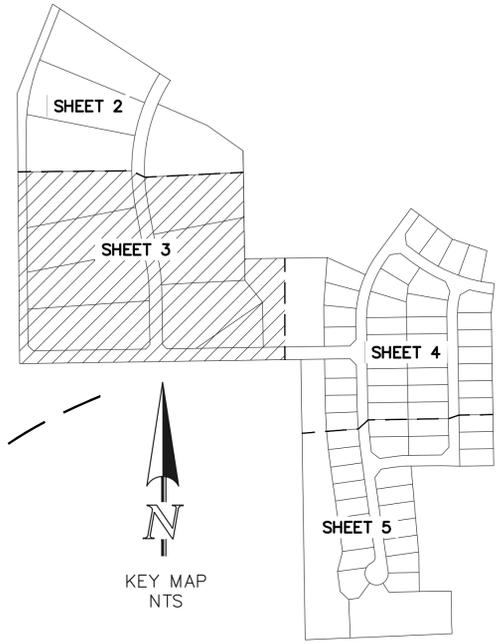
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THIS DOCUMENT HAS NOT BEEN
PLAT CHECKED



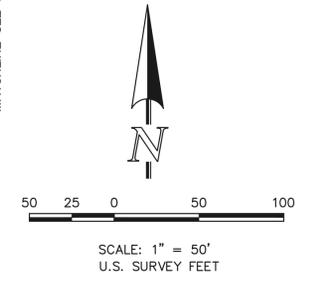
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903 (719)785-0790
(719)785-0799 (Fax)

RETREAT AT TIMBERRIDGE FILING NO. 1

A PORTION OF SECTIONS 27 AND 28,
TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
EL PASO COUNTY, COLORADO



- LEGEND**
- (R) RADIAL BEARING
 - AC ACRES
 - SF SQUARE FEET
 - 1-1/2" ALUMINUM SURVEYORS CAP
STAMPED "CCES LLC PLS 30118" TO BE SET
UNLESS OTHERWISE NOTED
 - ✱ NOT PART OF THIS SUBDIVISION
 - (XXX) ADDRESS



RETREAT AT TIMBERRIDGE
FILING NO. 1
JOB NO. 1185.00
FEBRUARY 22, 2019
SHEET 3 OF 5



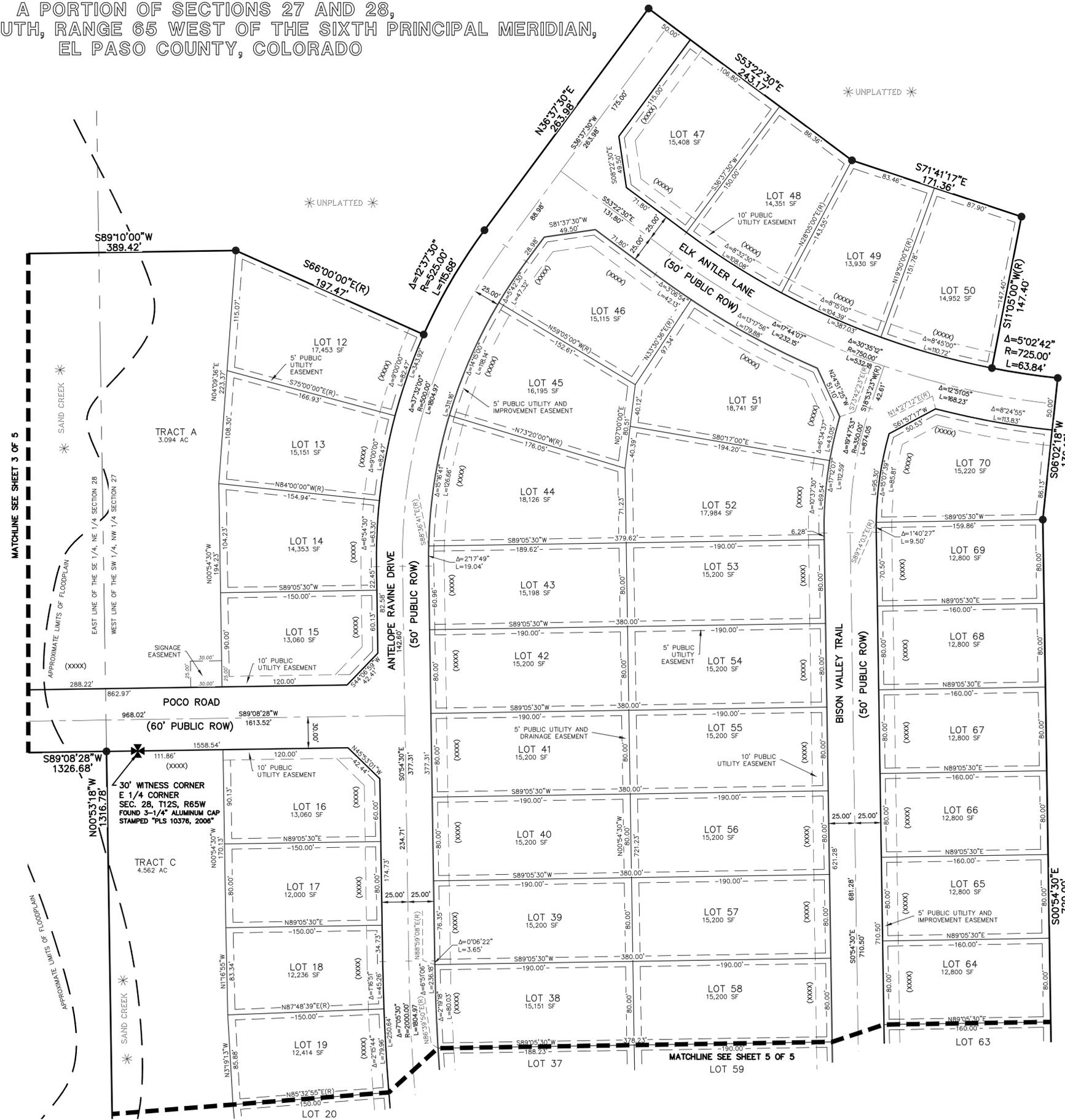
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719) 785-0790
(719) 785-0799 (Fax)

PRELIMINARY
THIS DOCUMENT HAS NOT BEEN
PLAT CHECKED

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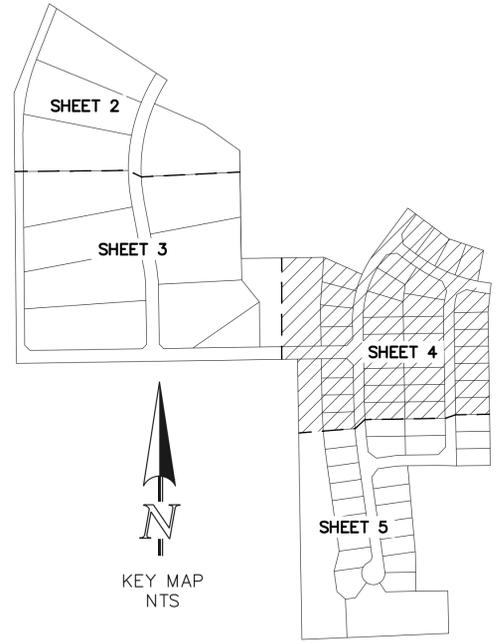
RETREAT AT TIMBERRIDGE FILING NO. 1

A PORTION OF SECTIONS 27 AND 28,
TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
EL PASO COUNTY, COLORADO



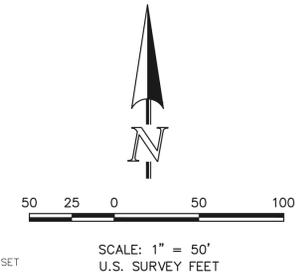
MATCHLINE SEE SHEET 3 OF 5

MATCHLINE SEE SHEET 5 OF 5



KEY MAP
NTS

- LEGEND**
- (R) RADIAL BEARING
 - AC ACRES
 - SF SQUARE FEET
 - 1-1/2" ALUMINUM SURVEYORS CAP STAMPED "COCS LLC PLS 30118" TO BE SET UNLESS OTHERWISE NOTED
 - * NOT PART OF THIS SUBDIVISION
 - (XXX) ADDRESS



SCALE: 1" = 50'
U.S. SURVEY FEET

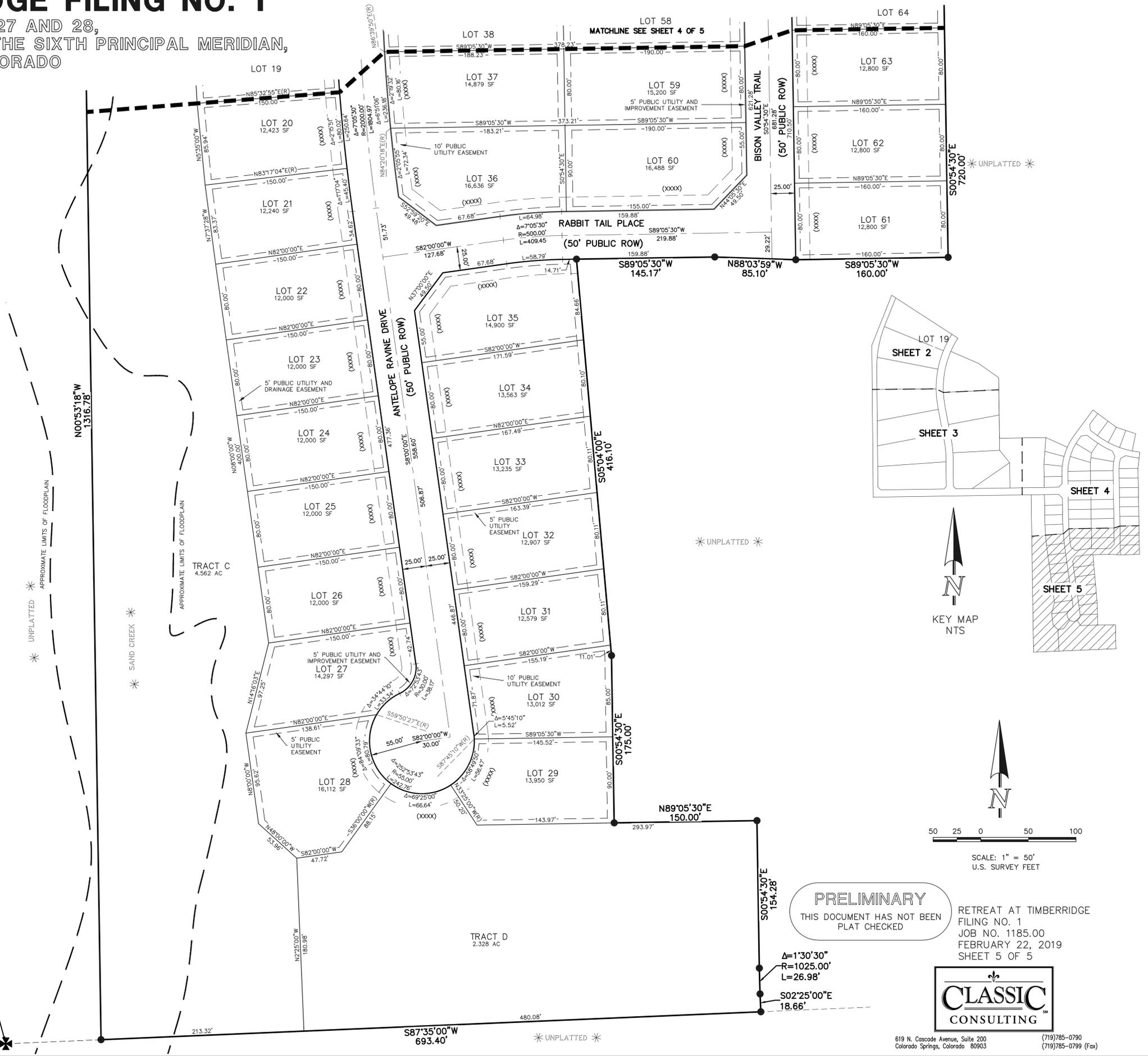
PRELIMINARY
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PLAT CHECKED



619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719)785-0790
(719)785-0799 (Fax)

RETREAT AT TIMBERRIDGE FILING NO. 1

A PORTION OF SECTIONS 27 AND 28,
TOWNSHIP 13 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
EL PASO COUNTY, COLORADO



- LEGEND**
- (R) RADIAL BEARING
 - AC ACRES
 - SF SQUARE FEET
 - 1-1/2" ALUMINUM SURVEYORS CAP STAMPED "CCES LLC PLS 30118" TO BE SET UNLESS OTHERWISE NOTED
 - ✱ NOT PART OF THIS SUBDIVISION
 - (XXX) ADDRESS

PRELIMINARY
THIS DOCUMENT HAS NOT BEEN
PLAT CHECKED

RETREAT AT TIMBERRIDGE
FILING NO. 1
JOB NO. 1185.00
FEBRUARY 22, 2019
SHEET 5 OF 5



619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903 (719) 785-0790
(719) 785-0799 (Fax)

Appendix B

Water Supply Summary	Summary of Existing Available Supplies		
	Existing Available Supplies summarized from From Table 2	Acre-Feet 300 Year Non - UBS	Acre-Feet 300 - Year UBS *
	The Ranch Onsite (UBS)		245.00
	Sterling Ranch Onsite	371.47	Onsite LFH from Bar -X
	Sterling Ranch Offsite	184.00	
	Commit to Retreat	-9.16	
		546.31	
	Retreat Onsite (Central System Only) **	48.73	
	Commit from Sterling Ranch	9.16	
		57.89	
Sterling Ranch Metropolitan District #1 Total AF			849.20

Development	Preliminary Commitments			Final Commitments		
	Commitment SFE	Supply / Commitment Acre-Feet	Letter or Summary Date	Commitment SFE	Commitment Acre-Feet	Letter or Summary Date
Supply	Retreat Available Supply from Above					
Commitments	The Retreat at TimberRidge Preliminary Plan (Central System Only) Final #1 (SEE ALSO 11 INDIVIDUAL WELLS REF. JDS Memo April 5, 2019)			164	-57.89	April 2018 Report
Remaining Excess	Excess Supply for Retreat at TimberRidge Service Area				0.00	
Supply	Sterling Ranch Available Supply from Above				546.31	
Commitments	Sterling Ranch Preliminary Plan Phase One			726	-255.96	May 2015 Report/Summary
	Tract BB (10.545) Branding Iron at Sterling Ranch Filing No. 1 Tract K (18.881) Branding Iron at Sterling Ranch Filing No. 2				51 75	18.003 26.475
	Sterling Ranch Filing #1 Sterling Ranch Filing #2				0 49	0 17.296
	Tract G (19.574) Homestead at Sterling Ranch Filing No. 1 Tract E (29.658) Homestead at Sterling Ranch Filing No. 2 Copper Chase at Sterling Ranch Filing No. 1				72	25.416
						87.19
Excess Supply	Excess Un-committed Water Supply for Sterling Ranch Service				290.35	
Supply	The Ranch Available Supply from Above				245.00	
Commitments	The Ranch Preliminary Plan There are no Preliminary plans yet filed in The Ranch			0	0	
Remaining Excess	The Ranch Service Area				245.00	

General Note 1. The Sterling Ranch Metropolitan District #1 is slated to serve multiple service areas through either IGA, overlapping Districts, or bulk service. Therefore, water accounting is performed on a comprehensive basis to assure that the District has adequate resources to provide for all service. Supplies are compared above within each separate service areas because certain water rights have limited use areas.

General Note 2; Commitments are not hard commitments until Preliminary Plan, No Sketch plans are considered here

General Note 3; If a final plat/plan is included in a preliminary plan or plat that has designated a commitment, the final plat is only summed against the original committed water

* Water derived from within the UBS cannot be applied outside the UBS without separate export order.

** Tabulation and supply for Retreat Private wells is noted on Table 2 for information only, it is not included as commitment or supply for central system purposes.

Appendix C



Colorado Department
of Public Health
and Environment

Inorganic Chemicals Certified Laboratory Report Form
WQCD - Drinking Water CAS
4300 Cherry Creek Drive South, Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revised 6/13/2014

IOC

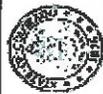
Section I (Submitted or Completed by Public Water System)		Section II (Submitted or Completed by Certified Laboratory)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO-0121724		Laboratory ID: CO 0015	
System Name: LFH-1		Laboratory Name: Colorado Analytical Laboratory	
Contact Person: Mark Volle		Contact Person: Customer Service Phone: 303-659-2313	
Comments:		Comments:	
Do Samples Need to be Compositied BY THE LAB? <input type="checkbox"/>			

Section III (Supplied or Completed by Public Water System)			
Sample Date: 2/16/17	Collector: Stephanie Schwe	Sample Pt ID (On Schedule):	

Section IV Inorganic Chemicals (Completed by Certified Laboratory)				
Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name	CAS No.
2/17/17	2/17/17	170217005-01	Fluoride	7681-49-4
			Analytical Method	MCL (mg/L)
			EPA 300.0	4
			Lab MRL (mg/L)	0.09
			Result (mg/L)	1.07

NT: Not Tested
 Lab MRL: Laboratory Minimum Reporting Level
 BDL: Below Laboratory MRL. A less than (<) may also used.

mg/L: Milligrams per Liter
 MCL: Maximum Contaminant Level



Colorado Department
of Public Health
and Environment

Inorganic Chemicals Certified Laboratory Report Form
WQCD - Drinking Water CAS
Submit Online at <http://www.wqcdcompliance.com/login>

Revised 4/13/2015

IOC

Section I (Supplied or Completed by Public Water System)		Section II (Supplied or Completed by Certified Laboratory)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO-0121724		Laboratory ID: CO 0015	
System Name: LFH-1		Laboratory Name: Colorado Analytical Laboratory	
Contact Person: Mark Volle		Contact Person: Customer Service Phone: 303-659-2313	
Phone #:		Comments:	
Do Samples Need to be Compositied BY THE LAB? <input type="checkbox"/>			

Section III (Supplied or Completed by Public Water System)	
Sample Date: 2/16/17	Collector: Stephanie Schw
Section IV Inorganic Chemicals (Completed by Certified Laboratory)	

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name	CAS No	Analytical Method	MCL (mg/L)	Lab MRL (mg/L)	Result (mg/L)
2/17/17	2/22/17	170217005-01A	Antimony	7740-36-0	EPA 200.8	0.006	0.001	BDL
2/17/17	2/22/17	170217005-01A	Arsenic	7440-38-2	EPA 200.8	0.01	0.001	0.002
2/17/17	2/22/17	170217005-01A	Barium	7440-39-3	EPA 200.8	2	0.001	0.015
2/17/17	2/22/17	170217005-01A	Beryllium	7440-41-7	EPA 200.8	0.004	0.001	BDL
2/17/17	2/22/17	170217005-01A	Cadmium	7440-43-9	EPA 200.8	0.005	0.001	BDL
2/17/17	2/22/17	170217005-01A	Chromium	7440-47-3	EPA 200.8	0.1	0.001	0.001
2/17/17	2/22/17	170217005-01A	Mercury	7439-97-6	EPA 200.8	0.002	0.0001	BDL
2/17/17	2/22/17	170217005-01A	Nickel	7440-02-0	EPA 200.8	N/A	0.001	0.001
2/17/17	2/24/17	170217005-01A	Selenium	7782-49-2	EPA 200.8	0.05	0.001	BDL
2/17/17	2/22/17	170217005-01A	Sodium	7440-23-5	EPA 200.7	N/A	0.1	142.7
2/17/17	2/22/17	170217005-01A	Thallium	7440-28-0	EPA 200.8	0.002	0.001	BDL

NT: Not Tested
Lab MRL: Laboratory Minimum Reporting Level
BDL: Below Laboratory MRL. A less than (<) may also used.

mg/L: Milligrams per Liter
MCL: Maximum Contaminant Level



Hazen Research, Inc.
 4601 Indiana Street
 Golden, CO 80403 USA
 Tel: (303) 279-4501
 Fax: (303) 276-1528

Lab Control ID: B16917
 Received: Feb 17, 2017
 Reported: Mar 20, 2017
 Purchase Order No.
 None Received

Customer ID: 20040H
 Account ID: Z01034
 Project #: 009-616
ANALYTICAL REPORT

Stuart Nielson
Colorado Analytical Laboratories, Inc.

Lab Sample ID		B16917-001						
Customer Sample ID		170217005-01 - Lfh-1 - PWSID: CO0121724 - LFH-1 sampled on 02/16/17 @ 0906 by Stephanie Schwenke						
Parameter	Units	Code	Precision*		Detection	Method	Analysis Date / Time	Analyst
			Result	+/-	Limit			
Gross Alpha	pCi/L	T	0.0	0.0	1.5	SM 7110 B	3/2/17 @ 0840	LD
Gross Beta	pCi/L	T	0.0	2.1	2.2	SM 7110 B	3/2/17 @ 0840	LD
Radium-226	pCi/L	T	0.0	0.2	0.1	SM 7500-Ra B	3/3/17 @ 0825	LD
Radium-228	pCi/L	T	0.0	0.8	0.8	EPA Ra-05	3/14/17 @ 1257	JR
Radon	pCi/L	T	345	25	13.9	SM 7500-Rn B	2/17/17 @ 1500	AN

Certification ID's: CO/EPA CO00008; CT PH-0152; KS E-10265; NJ CO008; NYSELAP (NELAC Certified) 11417; RI LAO00284; WI 998376610, TX T104704256-15-6

*Variability of the radioactive decay process (counting error) at the 95% confidence level, 1.96 sigma.

Codes: (T) = Total (D) = Dissolved (S) = Susspended (R) = Total Residual
 (PD) = Potentially Dissolved < = Less Than



RAD

Radionuclides Certified Laboratory Report Form
 WQCD – Drinking Water CAS
 4300 Cherry Creek Drive South; Denver, CO 80246-1530
 Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Section I (Supplied or Completed by Public Water System) **Section II (Supplied or Completed by Certified Laboratory)**

Public Water System Information		Certified Laboratory Information	
PWS ID: CO0121724	Laboratory ID: CO 00008	Laboratory Name: Hazen Research, Inc.	
System Name: Lfb-1	Contact Person: Jessica Axen	Phone #: 303-279-4501	
Contact Person:	Comments:		
Do Samples Need to be Composited BY THE LAB?	Comments:		

Section III (Supplied or Completed by Public Water System)

Sample Date: 02/16/2017 Collector: Stephanie Schwenke Facility ID (On Schedule): Sample Pt ID (On Schedule):

Section IV Radionuclides (Supplied or Completed by Certified Laboratory)						
Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	Result
02/17/2017	03/02/2017	B16917-001	Gross Alpha Including Uranium (4002)	12587-46-1	SM 7110 B	0.0(±0.0)
			Combined Uranium (4006)	7440-61-1	D2907-97	30 ug/L
02/17/2017	03/03/2017	B16917-001	Radium -226 (4020)	13982-63-3	SM 7500-Ra B	0.0(±0.2)
02/17/2017	03/14/2017	B16917-001	Radium -228 (4030)	15262-20-1	EPA Ra-05	0.0(±0.8)
02/17/2017	03/02/2017	B16917-001	Gross Beta (4100)	12587-47-2	SM 7110 B	0.0(±2.1)
			Total Dissolved Solids (1930)		EPA 160.3	N/A

*The MCL for Gross Beta Particle Activity is 4 mrem/year. Since there is no simple conversion between mrem/year and pCi/L EPA considers 50 pCi/L to be the level of concern.

Section V Calculated Values		
	Calculated Value	MCL
Gross Alpha Excluding Uranium (4000)		15 pCi/L
Combined Radium {-226 & -228} (4010)		5 pCi/L

NT: Not Tested
 Lab MRL: Laboratory Minimum Reporting Level
 BDL: Below Laboratory MRL. A less than sign (<) may also be used
 ug/L: Micrograms per Liter
 pCi/L: PicoCuries per Liter
 MCL: Maximum Contaminant Level

Analytical Results

TASK NO: 170217005

Report To: Mark Volle
Company: JDS Hydro Consultants
545 E. Pikes Peak Ave
Suite 300
Colorado Springs CO 80903

Bill To: Jim Morley
Company: SR Water
20 Boulder Crescent St.
Colorado Springs CO 80903

<p>Task No.: 170217005 Client PO: Client Project: LFH-1 CO-0121724</p>	<p>Date Received: 2/17/17 Date Reported: 3/6/17 Matrix: Water - Drinking</p>
---	---

Customer Sample ID LFH-1
Sample Date/Time: 2/16/17
Lab Number: 170217005-01

Test	Result	Method	ML	Date Analyzed	Analyzed By
Bicarbonate	155.5 mg/L as CaCO3	SM 2320-B	0.1	2/20/17	VDB
Calcium as CaCO3	6.3 mg/L	SM 3111-B	0.1	2/24/17	MBN
Carbonate	4.0 mg/L as CaCO3	SM 2320-B	0.1	2/20/17	VDB
Langelier Index	-0.43 units	SM 2330-B		2/24/17	SAN
pH	8.44 units	SM 4500-H-B	0.01	2/17/17	MBN
Temperature	20 °C	SM 4500-H-B	1	2/17/17	MBN
Total Alkalinity	159.5 mg/L as CaCO3	SM 2320-B	0.1	2/20/17	VDB
Total Dissolved Solids	456 mg/L	SM 2540-C	5	2/23/17	ISG

Abbreviations/ References:

ML = Minimum Level = LRL = RL
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 ml = Most Probable Number Index/ 100 ml
Date Analyzed = Date Test Completed



DATA APPROVED FOR RELEASE BY



Colorado Department
of Public Health
and Environment

Nitrate and Nitrite as Nitrogen Certified Laboratory Report Form
WQCD - Drinking Water CAS
Submit Online at <http://www.wqcdcompliance.com/login>

Revised 4/13/2015

NOX

Section I (Supplied or Completed by Public Water System)		Section II (Supplied or Completed by Certified Laboratory)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO-0121724		Laboratory ID: CO 0015	
System Name: LFH-1		Laboratory Name: Colorado Analytical Laboratory	
Contact Person: Mark Volle	Phone #: 719-227-0072	Contact Person: Customer Service	Phone: 303-659-2313
Comments:			

Section III (Supplied or Completed by Public Water System)				Section IV (Supplied or Completed by Certified Laboratory)								
Sample Date	Collector	Facility ID On Schedule	Sample Pt. ID On Schedule	Confirmation?	Lab Receipt Date	Lab Analysis Date	1 laboratory Sample ID #	Analyte	Analytical Method	MCL (mg/L)	Lab MRI. (mg/L)	Result (mg/L)
2/16/17	ephanie Schwenk			<input type="checkbox"/>	2/17/17	2/17/17	170217005-01	Nitrate Nitrogen	EPA 300.0	10	0.1	BDL
2/16/17	ephanie Schwenk			<input type="checkbox"/>	2/17/17	2/17/17	170217005-01	Nitrite Nitrogen	EPA 300.0	1	0.1	BDL

NT: Not Tested
 Lab MRI.: Laboratory Minimum Reporting Level
 BDL.: Below Laboratory MRI. A less than (<) may also used.

mg/L: Milligrams per Liter
 MCL: Maximum Contaminant Level

Drinking Water Chain of Custody



LABORATORIES, INC.

Brighton Lab
240 South Main Street
Brighton, CO 80601

Lakewood Lab
12860 W. Cedar Dr, Suite 100A
Lakewood CO 80228

Phone: 303-659-2313
Fax: 303-659-2315

www.coloradolab.com

Report To Information:		Bill To Information: (If different from report to)		State Form / Project Information	
Company Name: <u>JDS-Hydro</u>	Company Name: <u>SP Water</u>	PWSID: <u>60-D191724</u>			
Contact Name: <u>Mark Valle</u>	Contact Name: <u>Jim Morley</u>	System Name: <u>LPH-1</u>			
Address: <u>Sus E. Pikes Peak Ave</u>	Address: <u>20 Boulder Crescent St</u>	Address: <u>NE 1/4 NW 1/4 527</u>			
<u>Suite 200</u>		<u>TJAS P65W 644PH</u>			
City: <u>CS</u>	State/Zip: <u>80903</u>	City/State/Zip: <u>80903</u>	City/State/Zip: <u>80908</u>		
Phone: <u>719-327-0022</u>	Phone: _____	County: <u>El Paso</u>			
Email: <u>myelle@jdshydro.com</u>	Email: <u>justin@spwater.com</u>	Compliance Samples: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Sampler Name: <u>Seprave Schwente</u>	PO No: _____	Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			

CAL Task No. 170217005

PHASE I, II, V Drinking Water Analyses (check analysis)

Date	Time	Client Sample ID / EP Code	No. of Containers	Residual Chlorine (mg/L) P/A Samples Only	Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	524.2 VOCs	525.2 SOCs-Pest	531.1 Carbamates	547 Glyphosate	548.1 Endothall	549.2 Diquat	524.2 TTHMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk./Lang. Index	TOC/DOC (Circle)	SUVA, UV 254 (Circle)	metals	Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium	
9:31		#1	3		X																										
9:32		#2	3			X																									
9:30		#3	3				X																								
9:34		#4	1								X																				
9:33		#5	1																												
9:32		#6	1																												
9:34		#7	1																												
9:34		#8	1							X																					
9:34		#9	1																												
9:32		#10	1																												

Instructions:

CS Info:

Seals Present Yes No Headspace Yes No

Relinquished By: [Signature]

Date/Time: 10:55 AM

Received By: [Signature]

Date/Time: 9:17 AM

Delivered Via: Fedex

CS Charged

Temp: 2 °C/°F

Sample Pres. Yes No

Relinquished By: [Signature] Date/Time: 10:55 AM Received By: [Signature] Date/Time: 9:17 AM

Delivered Via: Fedex CS Charged: Temp: 2 °C/°F Sample Pres. Yes: No:



Colorado Department
of Public Health
and Environment

Organic Chemicals Certified Laboratory Report Form
WQCD - Drinking Water CAS
Submit Online at <http://www.wqcdcompliance.com/login>

Revised 4/13/2015

VOC/SOC

Section I (Supplied or Completed by Public Water System)		Section II (Supplied or Completed by Certified Laboratory)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO-0121724		Laboratory ID: CO 00063	
System Name: LFH-1		Laboratory Name: Colorado Analytical Laboratory	
Contact Person: Mark Voile		Contact Person: Customer Service	Phone: 303-659-2313
Comments:		Comments:	
Do Samples Need to be Composited BY THE LAB? <input type="checkbox"/>			

Section V (Supplied or Completed by Public Water System)		Section VI Synthetic Organic Chemicals (Supplied or Completed by Certified Laboratory)		Section VII (On Schedule)		Section VIII (On Schedule)		
Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name	CAS No.	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)
2/17/17	2/24/17	170217005-01E	Dibromochloropropane	96-12-8	EPA 504.1	0.2	0.02	BDL
2/17/17	3/1/17	170217005-01G	2,4-D	94-75-7	EPA 515.4	70	0.1	BDL
2/17/17	3/1/17	170217005-01G	2,4,5-TP	93-72-1	EPA 515.4	50	0.2	BDL
2/17/17	2/23/17	170217005-01H	Aldicarb	15972-60-8	EPA 525.2	2	0.2	BDL
2/17/17	3/2/17	170217005-01I	Aldicarb	116-06-3	EPA 531.1	N/A	0.6	BDL
2/17/17	3/2/17	170217005-01I	Aldicarb sulfone	1646-88-4	EPA 531.1	N/A	1	BDL
2/17/17	3/2/17	170217005-01I	Aldicarb sulfoxide	1646-87-3	EPA 531.1	N/A	0.7	BDL
2/17/17	2/23/17	170217005-01III	Atrazine	1912-24-9	EPA 525.2	3	0.1	BDL
2/17/17	2/23/17	170217005-01H	Benzo(a)pyrene	50-32-8	EPA 525.2	0.2	0.02	BDL
2/17/17	3/2/17	170217005-01I	Carbofuran	1563-66-2	EPA 531.1	40	0.9	BDL
2/17/17	2/24/17	170217005-01F	Chlordane	57-74-9	EPA 505	2	0.2	BDL
2/17/17	3/1/17	170217005-01G	Dalapon	75-99-0	EPA 515.4	200	1	BDL
2/17/17	2/23/17	170217005-01III	Di(2-ethylhexyl)adipate	103-23-1	EPA 525.2	400	0.6	BDL
2/17/17	2/23/17	170217005-01H	Di(2-ethylhexyl)phthalate	117-81-7	EPA 525.2	6	0.6	BDL
2/17/17	3/1/17	170217005-01G	Dinoscb	85-85-7	EPA 515.4	7	0.2	BDL
2/17/17	2/23/17	170217005-01K	Diquat	85-00-7	EPA 549.2	20	0.4	BDL
2/17/17	2/23/17	170217005-01J	Endothall	145-73-3	EPA 548.1	100	9	BDL
2/17/17	2/24/17	170217005-01F	Endrin	72-20-8	EPA 505	2	0.01	BDL
2/17/17	2/24/17	170217005-01E	Ethylene dibromide	106-93-4	EPA 504.1	0.05	0.01	BDL
2/17/17	2/23/17	170217005-01H	Heptachlor	76-44-8	EPA 525.2	0.4	0.04	BDL
2/17/17	2/24/17	170217005-01F	Heptachlor epoxide	1024-57-3	EPA 505	0.2	0.02	BDL

NT: Not Tested ug/L; Micrograms per Liter MCL: Maximum Contaminant Level BDL Below Laboratory MRL ^ less than sign (<) may also be used.

PWSID#: CO-0121724		Section V (Supplied or Completed by Public Water System)						
Sample Date:	2/16/17	Collector:	Stephanie Schwenk	Facility ID (On Schedule):	Sample Pt ID (On Schedule):			
Section VI Synthetic Organic Chemicals (Supplied or Completed by Certified Laboratory)		Lab Sample ID	Analyte Name	CAS No.	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)
2/17/17	2/24/17	170217005-01F	Hexachlorobenzene	118-74-1	EPA 505	1	0.1	BDL
2/17/17	2/24/17	170217005-01F	Hexachlorocyclopentadiene	77-47-4	EPA 505	50	0.1	BDL
2/17/17	2/24/17	170217005-01F	Lindane	58-89-9	EPA 505	0.2	0.02	BDL
2/17/17	2/24/17	170217005-01F	Methoxychlor	72-43-5	EPA 505	40	0.1	BDL
2/17/17	3/2/17	170217005-01I	Oxamyl	23135-22-0	HPA 531.1	200	1	BDL
2/17/17	3/1/17	170217005-01G	Pentachlorophenol	87-86-5	EPA 515.4	1	0.04	BDL
2/17/17	3/1/17	170217005-01G	Picloram	1918-02-1	EPA 515.4	500	0.1	BDL
2/17/17	2/24/17	170217005-01F	Polychlorinated biphenyl's	1336-36-3	EPA 505	0.5	0.1	BDL
2/17/17	2/23/17	170217005-01H	Simazine	122-34-9	EPA 525.2	4	0.07	BDL
2/17/17	2/24/17	170217005-01F	Toxaphene	8001-35-2	EPA 505	3	1	BDL

NT: Not Tested ug/L; Micrograms per Liter MCL: Maximum Contaminant Level BDL: Below Laboratory MRL Δ less than sign (<) may also be used.

170217005-01

2/2
3/6/17

Drinking Water Chain of Custody



LABORATORIES, INC.

Brighton Lab
240 South Main Street
Brighton, CO 80601

Lakewood Lab
12860 W. Cedar Dr, Suite 100A
Lakewood CO 80228

Phone: 303-659-2313
Fax: 303-659-2315

www.coloradolab.com

Report To Information		Bill To Information (if different from report to)		State Form / Project Information	
Company Name: <u>JDS HYDRO</u>	Company Name: <u>SR WATER</u>	State Form / Project Information		PWSID: <u>CO-0121724</u>	
Contact Name: <u>MARK VOLLE</u>	Contact Name: <u>JEFF MOKLEY</u>			System Name: <u>LFH-1</u>	
Address: <u>545 E. BAKER PEAK AVE</u>	Address: <u>20 BOULDER CRESSANT ST</u>			Address: <u>NEW NW 1/4 S27</u>	
<u>SUITE 300</u>				<u>T 125 R65W 6TH PM</u>	
City/CO ZIP: <u>State CO zip 80903</u>	City/CO ZIP: <u>State CO zip 80903</u>			City/CO ZIP: <u>State CO zip 80908</u>	
Phone: <u>719-227-0072</u> Fax:	Phone: <u>719-227-0072</u> Fax:			County: <u>EL PASO</u>	
Email: <u>mark.volle@jdshydro.com</u>	Email: <u>jeff.mokley@srwater.com</u>			Compliance Samples: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Sampler Name: <u>STEPA SCHWENKE</u>	PO No.:			Send forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

CAL Task No. 170217005

PHASE I, II, V Drinking Water Analyses (check analysis)

Subcontract Analyses

Date	Time	Client Sample ID / EP Code	No. of Containers	Residual Chlorine (mg/L) P/A Samples Only	Total Coliform P/A	504.1 EDB/DBCP	505 Pests/PCBs	515.4 Herbicides	525.2 SOC's-Pest	531.1 Carbamates	547 Glyphosate	548.1 Endothall	549.2 Diquat	524.2 TTHMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride ^{Drinking Water}	Inorganics	Alk./Lang. Index	TOC, DOC (Circle)	SUVA, UV 254 (Circle)	1,4 Dioxane	Gross Alpha/Beta	Radium 226	Radium 228	Radon ^{Cyanide}	Uranium	
2/16	8:37	A11	3																											
	9:50	A12	3																											
	9:51	A13	3																											
	9:43	A14	1																											
	8:40	A15	1																											
	8:44	A16	1					X																						
	9:00	A17	1																											
	5:42	A18	1																											
	9:29	A19	3					X																						

Instructions:

34 + 504 Blank

CS Info: Fedex

Relinquished By: <u>[Signature]</u>	Date/Time: <u>2/17 12:15 PM</u>	Received By: <u>[Signature]</u>	Date/Time: <u>2/17 11:00 AM</u>	Delivered Via: <u>Fedex</u>	Relinquished By:	CS Charge <input type="checkbox"/>	Date/Time:	Temp. <u>2</u> °C/lit	Received By: <u>[Signature]</u>	Sample Pres. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Date/Time:
-------------------------------------	---------------------------------	---------------------------------	---------------------------------	-----------------------------	------------------	------------------------------------	------------	-----------------------	---------------------------------	--	------------

Analytical Results

TASK NO: 170217005

Report To: Mark Voile

Company: JDS Hydro Consultants
545 E. Pikes Peak Ave
Suite 300
Colorado Springs CO 80903

Bill To: Jim Morley

Company: SR Water
20 Boulder Crescent St.
Colorado Springs CO 80903

Task No.: 170217005
Client PO:
Client Project: LFH-1 CO-0121724

Date Received: 2/17/17
Date Reported: 3/6/17
Matrix: Water - Drinking

Customer Sample ID LFH-1
Sample Date/Time: 2/16/17
Lab Number: 170217005-01

Test	Result	Method	ML	Date Analyzed	Analyzed By
Chloride	5.8 mg/L	EPA 300.0	0.1 mg/L	2/17/17	LJG
Cyanide-Free	< 0.005 mg/L	EPA 335.4	0.005 mg/L	2/24/17	VDB
E-Coli	< 1 mpn/100ml	Coli-ert	1 mpn/100ml	2/18/17	VDB
Sulfate	142.1 mg/L	EPA 300.0	0.1 mg/L	2/17/17	LJG
Total Coliform	93 mpn/100ml	Coli-ert	1 mpn/100ml	2/18/17	VDB
Total Organic Carbon	0.8 mg/L	SM 5310-C	0.5 mg/L	2/23/17	ISG
Turbidity	2.49 NTU	SM 2130-B	0.01 NTU	2/17/17	MBN
Total					
Aluminum	0.053 mg/L	EPA 200.8	0.001 mg/L	2/22/17	TCD
Calcium	2.5 mg/L	EPA 200.7	0.1 mg/L	2/22/17	MBN
Copper	0.0026 mg/L	EPA 200.8	0.0008 mg/L	2/22/17	TCD
Iron	0.602 mg/L	EPA 200.7	0.005 mg/L	2/24/17	MBN
Lead	0.0005 mg/L	EPA 200.8	0.0001 mg/L	2/22/17	TCD
Magnesium	0.39 mg/L	EPA 200.7	0.02 mg/L	2/22/17	MBN
Manganese	0.0259 mg/L	EPA 200.8	0.0008 mg/L	2/22/17	TCD
Potassium	1.5 mg/L	EPA 200.7	0.1 mg/L	2/22/17	MBN
Silver	< 0.0001 mg/L	EPA 200.8	0.0001 mg/L	2/22/17	TCD
Strontium	0.037 mg/L	EPA 200.8	0.005 mg/L	2/22/17	TCD
Total Hardness	7.7 mg/L as CaCO ₃	SM 2340-B	0.1 mg/L as CaCO ₃	2/24/17	MBN
Uranium	< 0.0002 mg/L	EPA 200.8	0.0002 mg/L	2/22/17	TCD
Zinc	0.004 mg/L	EPA 200.8	0.001 mg/L	2/22/17	TCD

Abbreviations/ References:

ML = Minimum Level = LRL = RL
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 ml = Most Probable Number Index/ 100 ml
Date Analyzed = Date Test Completed



DATA APPROVED FOR RELEASE BY

Analytical Results

TASK NO: 170217005

Report To: Mark Voile

Company: JDS Hydro Consultants
545 E. Pikes Peak Ave
Suite 300
Colorado Springs CO 80903

Bill To: Jim Morley

Company: SR Water
20 Boulder Crescent St.
Colorado Springs CO 80903

Task No.: 170217005
Client PO:
Client Project: LFH-1 CO-0121724

Date Received: 2/17/17
Date Reported: 3/6/17
Matrix: Water - Drinking

Customer Sample ID: LFH-1
Sample Date/Time: 2/16/17
Lab Number: 170217005-01

Test	Result	Method	ML	Date Analyzed	Analyzed By
<u>Total</u> Zinc	0.005 mg/L	EPA 200.8	0.001 mg/L	2/22/17	TCD

Abbreviations/ References:

ML = Minimum Level = LRL = RL
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 ml = Most Probable Number Index/ 100 ml
Date Analyzed = Date Test Completed



DATA APPROVED FOR RELEASE BY



ANALYTICAL SUMMARY REPORT

March 02, 2017

Colorado Analytical Laboratories Inc
PO Drawer 507
Brighton, CO 80601

Work Order: C17020566 Quote ID: C4542 - 624, 625, 1,4-Dioxane

Project Name: 170217005 LFH-1 CO-0121724

Energy Laboratories, Inc. Casper WY received the following 1 sample for Colorado Analytical Laboratories Inc on 2/21/2017 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C17020566-001	170217005-01 LFH-1	02/16/17 0:00	02/21/17	Drinking Water	Azeotropic Distillation Separatory Funnel Liquid-Liquid Ext. Semi-Volatile Organic Compounds 624-Purgeable Organics Volatile Compounds by Azeotropic Distillation

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:


Randy Horton, Project Manager

Digitally signed by
Randy Horton
Date: 2017.03.02 10:49:28 -07:00



CLIENT: Colorado Analytical Laboratories Inc
Project: 170217005 LFH-1 CO-0121724
Work Order: C17020566

Report Date: 03/02/17

CASE NARRATIVE

Tests associated with analyst identified as ELI-B were subcontracted to Energy Laboratories, 1120 S. 27th St., Billings, MT, EPA Number MT00005.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Colorado Analytical Laboratories Inc
Project: 170217005 LFH-1 CO-0121724
Lab ID: C17020566-001
Client Sample ID: 170217005-01 LFH-1

Report Date: 03/02/17
Collection Date: 02/16/17
Date Received: 02/21/17
Matrix: Drinking Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
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VOCS BY AZEOTROPIC DISTILLATION

1,4-Dioxane ND ug/L 1.0 SW8260M 02/27/17 11:16 / eli-b
- Analysis by direct aqueous injection of the sample distillate. A deuterated version of 1,4-Dioxane was added to the sample prior to distillation and used to quantitate the 1,4-Dioxane and account for any variations in the analysis or distillation.

VOLATILE ORGANIC COMPOUNDS

Acetone	ND	ug/L		20	E624		02/24/17 19:19 / eli-b
Acetonitrile	ND	ug/L		20	E624		02/24/17 19:19 / eli-b
Acrolein	ND	ug/L		20	E624		02/24/17 19:19 / eli-b
Acrylonitrile	ND	ug/L		20	E624		02/24/17 19:19 / eli-b
Benzene	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
Bromobenzene	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
Bromochloromethane	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
Bromodichloromethane	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
Bromoform	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
Bromomethane	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
Carbon disulfide	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
Carbon tetrachloride	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
Chlorobenzene	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
Chlorodibromomethane	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
Chloroethane	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
2-Chloroethyl vinyl ether	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
Chloroform	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
Chloromethane	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
2-Chlorotoluene	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
4-Chlorotoluene	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
1,2-Dibromoethane	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
Dibromomethane	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
1,2-Dichlorobenzene	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
1,3-Dichlorobenzene	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
1,4-Dichlorobenzene	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
Dichlorodifluoromethane	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
1,1-Dichloroethane	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
1,2-Dichloroethane	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
1,1-Dichloroethene	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
cis-1,2-Dichloroethene	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
trans-1,2-Dichloroethene	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
1,2-Dichloropropane	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
1,3-Dichloropropane	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
2,2-Dichloropropane	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
1,1-Dichloropropene	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
cis-1,3-Dichloropropene	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
trans-1,3-Dichloropropene	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b
Ethylbenzene	ND	ug/L		1.0	E624		02/24/17 19:19 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Colorado Analytical Laboratories Inc
Project: 170217005 LFH-1 CO-0121724
Lab ID: C17020566-001
Client Sample ID: 170217005-01 LFH-1

Report Date: 03/02/17
Collection Date: 02/16/17
Date Received: 02/21/17
Matrix: Drinking Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Methyl tert-butyl ether (MTBE)	ND	ug/L		2.0		E624	02/24/17 19:19 / eli-b
Methyl ethyl ketone	ND	ug/L		20		E624	02/24/17 19:19 / eli-b
Methyl isobutyl ketone	ND	ug/L		10		E624	02/24/17 19:19 / eli-b
Methylene chloride	ND	ug/L		1.0		E624	02/24/17 19:19 / eli-b
Naphthalene	ND	ug/L		0.50		E624	02/24/17 19:19 / eli-b
Styrene	ND	ug/L		1.0		E624	02/24/17 19:19 / eli-b
Tetrachloroethene	ND	ug/L		1.0		E624	02/24/17 19:19 / eli-b
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		E624	02/24/17 19:19 / eli-b
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		E624	02/24/17 19:19 / eli-b
Toluene	ND	ug/L		1.0		E624	02/24/17 19:19 / eli-b
Trichloroethene	ND	ug/L		1.0		E624	02/24/17 19:19 / eli-b
1,1,1-Trichloroethane	ND	ug/L		1.0		E624	02/24/17 19:19 / eli-b
1,1,2-Trichloroethane	ND	ug/L		1.0		E624	02/24/17 19:19 / eli-b
Trichlorofluoromethane	ND	ug/L		1.0		E624	02/24/17 19:19 / eli-b
1,2,3-Trichloropropane	ND	ug/L		1.0		E624	02/24/17 19:19 / eli-b
Vinyl Acetate	ND	ug/L		1.0		E624	02/24/17 19:19 / eli-b
Vinyl chloride	ND	ug/L		1.0		E624	02/24/17 19:19 / eli-b
m+p-Xylenes	ND	ug/L		1.0		E624	02/24/17 19:19 / eli-b
o-Xylene	ND	ug/L		1.0		E624	02/24/17 19:19 / eli-b
Xylenes, Total	ND	ug/L		1.0		E624	02/24/17 19:19 / eli-b
Surr: 1,2-Dichloroethane-d4	76.0	%REC		71-139		E624	02/24/17 19:19 / eli-b
Surr: p-Bromofluorobenzene	92.0	%REC		80-127		E624	02/24/17 19:19 / eli-b
Surr: Toluene-d8	94.0	%REC		80-123		E624	02/24/17 19:19 / eli-b
SEMI-VOLATILE ORGANIC COMPOUNDS							
Acenaphthene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Acenaphthylene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Anthracene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Azobenzene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Benzidine	ND	ug/L		10		E625	02/28/17 13:13 / eli-b
Benzo(a)anthracene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Benzo(a)pyrene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Benzo(b)fluoranthene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Benzo(g,h,i)perylene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Benzo(k)fluoranthene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
4-Bromophenyl phenyl ether	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Butylbenzylphthalate	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
4-Chloro-3-methylphenol	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
bis(-2-chloroethoxy)Methane	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
bis(-2-chloroethyl)Ether	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
bis(2-chloroisopropyl)Ether	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
2-Chloronaphthalene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
2-Chlorophenol	ND	ug/L		10		E625	02/27/17 19:27 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Colorado Analytical Laboratories Inc
Project: 170217005 LFH-1 CO-0121724
Lab ID: C17020566-001
Client Sample ID: 170217005-01 LFH-1

Report Date: 03/02/17
Collection Date: 02/16/17
Date Received: 02/21/17
Matrix: Drinking Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
4-Chlorophenyl phenyl ether	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Chrysene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Diethyl phthalate	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Di-n-butyl phthalate	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
1,2-Dichlorobenzene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
1,3-Dichlorobenzene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
1,4-Dichlorobenzene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
3,3'-Dichlorobenzidine	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
2,4-Dichlorophenol	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Dimethyl phthalate	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Di-n-octyl phthalate	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Dibenzo(a,h)anthracene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
2,4-Dimethylphenol	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
4,6-Dinitro-2-methylphenol	ND	ug/L		50		E625	02/27/17 19:27 / eli-b
2,4-Dinitrophenol	ND	ug/L		50		E625	02/27/17 19:27 / eli-b
2,4-Dinitrotoluene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
2,6-Dinitrotoluene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Fluoranthene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Fluorene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Hexachlorobenzene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Hexachlorobutadiene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Hexachlorocyclopentadiene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Hexachloroethane	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Isophorone	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
n-Nitrosodimethylamine	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
n-Nitroso-di-n-propylamine	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
n-Nitrosodiphenylamine	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
2-Nitrophenol	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
4-Nitrophenol	ND	ug/L		50		E625	02/27/17 19:27 / eli-b
Naphthalene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Nitrobenzene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Pentachlorophenol	ND	ug/L		50		E625	02/27/17 19:27 / eli-b
Phenanthrene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Phenol	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Pyrene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
1,2,4-Trichlorobenzene	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
2,4,6-Trichlorophenol	ND	ug/L		10		E625	02/27/17 19:27 / eli-b
Surr: 2-Fluorobiphenyl	59.0	%REC		28-107		E625	02/27/17 19:27 / eli-b
Surr: 2-Fluorophenol	34.0	%REC		20-56		E625	02/27/17 19:27 / eli-b
Surr: Nitrobenzene-d5	63.0	%REC		32-94		E625	02/27/17 19:27 / eli-b
Surr: Phenol-d5	33.0	%REC		19-45		E625	02/27/17 19:27 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Colorado Analytical Laboratories Inc
Project: 170217005 LFH-1 CO-0121724
Lab ID: C17020566-001
Client Sample ID: 170217005-01 LFH-1

Report Date: 03/02/17
Collection Date: 02/16/17
Date Received: 02/21/17
Matrix: Drinking Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
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SEMI-VOLATILE ORGANIC COMPOUNDS

Surr: Terphenyl-d14	69.0	%REC		32-122		E625	02/27/17 19:27 / eli-b
Surr: 2,4,6-Tribromophenol	60.0	%REC		21-130		E625	02/27/17 19:27 / eli-b

• The sample was received past the extraction prep hold time. The prep hold time was exceeded by 4.31 days.

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17
Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: E624							Analytical Run: R275391			
Lab ID: ccv022417	Continuing Calibration Verification Standard							02/24/17 09:51		
Acetone	40.8	ug/L	20	82	70	130				
Acetonitrile	60.0	ug/L	20	120	70	130				
Acrolein	59.2	ug/L	20	118	70	130				
Acrylonitrile	46.4	ug/L	20	93	70	130				
Benzene	4.80	ug/L	0.50	96	70	130				
Bromobenzene	4.56	ug/L	0.50	91	70	130				
Bromochloromethane	4.64	ug/L	0.50	93	70	130				
Bromodichloromethane	4.08	ug/L	0.50	82	70	130				
Bromoform	4.08	ug/L	0.50	82	70	130				
Bromomethane	5.56	ug/L	0.50	111	70	130				
Carbon disulfide	4.80	ug/L	0.50	96	70	130				
Carbon tetrachloride	3.70	ug/L	0.50	74	70	130				
Chlorobenzene	4.80	ug/L	0.50	96	70	130				
Chlorodibromomethane	4.32	ug/L	0.50	86	70	130				
Chloroethane	4.88	ug/L	0.50	98	70	130				
2-Chloroethyl vinyl ether	3.07	ug/L	1.0	61	70	130			S	
Chloroform	4.36	ug/L	0.50	87	70	130				
Chloromethane	4.60	ug/L	0.50	92	70	130				
2-Chlorotoluene	4.84	ug/L	0.50	97	70	130				
4-Chlorotoluene	4.80	ug/L	0.50	96	70	130				
1,2-Dibromoethane	4.40	ug/L	0.50	88	70	130				
Dibromomethane	4.60	ug/L	0.50	92	70	130				
1,2-Dichlorobenzene	4.72	ug/L	0.50	94	70	130				
1,3-Dichlorobenzene	4.84	ug/L	0.50	97	70	130				
1,4-Dichlorobenzene	4.76	ug/L	0.50	95	70	130				
Dichlorodifluoromethane	3.87	ug/L	0.50	77	70	130				
1,1-Dichloroethane	4.40	ug/L	0.50	88	70	130				
1,2-Dichloroethane	3.78	ug/L	0.50	76	70	130				
1,1-Dichloroethene	4.20	ug/L	0.50	84	70	130				
cis-1,2-Dichloroethene	4.72	ug/L	0.50	94	70	130				
trans-1,2-Dichloroethene	4.64	ug/L	0.50	93	70	130				
1,2-Dichloropropane	5.20	ug/L	0.50	104	70	130				
1,3-Dichloropropane	4.64	ug/L	0.50	93	70	130				
2,2-Dichloropropane	3.92	ug/L	0.50	78	70	130				
1,1-Dichloropropene	4.40	ug/L	0.50	88	70	130				
cis-1,3-Dichloropropene	4.56	ug/L	0.50	91	70	130				
trans-1,3-Dichloropropene	4.04	ug/L	0.50	81	70	130				
Ethylbenzene	4.84	ug/L	0.50	97	70	130				
Methyl tert-butyl ether (MTBE)	3.68	ug/L	0.50	74	70	130				
Methyl ethyl ketone	42.8	ug/L	20	86	70	130				
Methyl isobutyl ketone	45.6	ug/L	20	91	70	130				
Methylene chloride	5.44	ug/L	0.50	109	70	130				
Naphthalene	4.88	ug/L	0.50	98	70	130				

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 03/02/17

Project: 170217005 LFH-1 CO-0121724

Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Analytical Run: R275391		
Lab ID: ccv022417	Continuing Calibration Verification Standard						02/24/17 09:51		
Styrene	4.76	ug/L	0.50	95	70	130			
Tetrachloroethene	4.60	ug/L	0.50	92	70	130			
1,1,1,2-Tetrachloroethane	4.24	ug/L	0.50	85	70	130			
1,1,2,2-Tetrachloroethane	4.96	ug/L	0.50	99	70	130			
Toluene	4.96	ug/L	0.50	99	70	130			
Trichloroethene	4.80	ug/L	0.50	96	70	130			
1,1,1-Trichloroethane	3.75	ug/L	0.50	75	70	130			
1,1,2-Trichloroethane	4.76	ug/L	0.50	95	70	130			
Trichlorofluoromethane	3.34	ug/L	0.50	67	70	130			S
1,2,3-Trichloropropane	4.20	ug/L	0.50	84	70	130			
Vinyl Acetate	4.56	ug/L	1.0	91	70	130			
Vinyl chloride	4.84	ug/L	0.50	97	70	130			
m+p-Xylenes	9.76	ug/L	0.50	98	70	130			
o-Xylene	4.76	ug/L	0.50	95	70	130			
Xylenes, Total	14.5	ug/L	0.50	97	70	130			
Surr: 1,2-Dichloroethane-d4			0.50	74	71	139			
Surr: p-Bromofluorobenzene			0.50	88	80	127			
Surr: Toluene-d8			0.50	92	80	123			

Method: E624							Batch: R275391			
Lab ID: lcs022417	Laboratory Control Sample						Run: 5971A.I_170224A			02/24/17 10:31
Acetone	41.6	ug/L	20	83	55	144				
Acetonitrile	60.4	ug/L	20	121	54	142				
Acrolein	49.6	ug/L	20	99	16	233				
Acrylonitrile	46.0	ug/L	20	92	76	127				
Benzene	4.96	ug/L	0.50	99	73	122				
Bromobenzene	4.76	ug/L	0.50	95	74	129				
Bromochloromethane	4.64	ug/L	0.50	93	66	120				
Bromodichloromethane	4.44	ug/L	0.50	89	74	128				
Bromoform	4.36	ug/L	0.50	87	66	128				
Bromomethane	5.76	ug/L	0.50	115	51	123				
Carbon disulfide	4.92	ug/L	0.50	98	46	145				
Carbon tetrachloride	3.80	ug/L	0.50	76	75	125				
Chlorobenzene	4.92	ug/L	0.50	98	80	123				
Chlorodibromomethane	4.64	ug/L	0.50	93	74	125				
Chloroethane	5.04	ug/L	0.50	101	59	142				
2-Chloroethyl vinyl ether	2.74	ug/L	1.0	55	36	144				
Chloroform	4.40	ug/L	0.50	88	68	124				
Chloromethane	4.64	ug/L	0.50	93	53	146				
2-Chlorotoluene	5.04	ug/L	0.50	101	75	131				
4-Chlorotoluene	4.68	ug/L	0.50	94	74	129				
1,2-Dibromoethane	4.40	ug/L	0.50	88	76	124				
Dibromomethane	4.76	ug/L	0.50	95	77	125				

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17
Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R275391		
Lab ID: lcs022417	Laboratory Control Sample			Run: 5971A.L_170224A			02/24/17 10:31		
1,2-Dichlorobenzene	4.80	ug/L	0.50	96	74	124			
1,3-Dichlorobenzene	5.00	ug/L	0.50	100	77	122			
1,4-Dichlorobenzene	4.80	ug/L	0.50	96	76	126			
Dichlorodifluoromethane	4.36	ug/L	0.50	87	56	146			
1,1-Dichloroethane	4.56	ug/L	0.50	81	74	133			
1,2-Dichloroethane	3.76	ug/L	0.50	75	75	129			
1,1-Dichloroethene	4.28	ug/L	0.50	86	74	132			
cis-1,2-Dichloroethene	4.76	ug/L	0.50	95	81	122			
trans-1,2-Dichloroethene	5.08	ug/L	0.50	102	79	143			
1,2-Dichloropropane	5.20	ug/L	0.50	104	75	126			
1,3-Dichloropropane	4.32	ug/L	0.50	86	71	136			
2,2-Dichloropropane	4.00	ug/L	0.50	80	68	142			
1,1-Dichloropropene	4.16	ug/L	0.50	83	70	131			
cis-1,3-Dichloropropene	4.12	ug/L	0.50	82	74	135			
trans-1,3-Dichloropropene	3.96	ug/L	0.50	79	76	149			
Ethylbenzene	4.92	ug/L	0.50	98	72	130			
Methyl tert-butyl ether (MTBE)	3.71	ug/L	0.50	74	72	120			
Methyl ethyl ketone	45.2	ug/L	20	90	45	130			
Methyl isobutyl ketone	49.2	ug/L	20	98	58	135			
Methylene chloride	5.64	ug/L	0.50	113	66	142			
Naphthalene	5.44	ug/L	0.50	109	69	124			
Styrene	4.84	ug/L	0.50	97	80	124			
Tetrachloroethene	4.68	ug/L	0.50	94	72	131			
1,1,1,2-Tetrachloroethane	4.16	ug/L	0.50	83	78	124			
1,1,2,2-Tetrachloroethane	4.72	ug/L	0.50	94	68	137			
Toluene	5.16	ug/L	0.50	103	72	135			
Trichloroethene	4.80	ug/L	0.50	96	85	126			
1,1,1-Trichloroethane	3.73	ug/L	0.50	75	63	120			
1,1,2-Trichloroethane	4.68	ug/L	0.50	94	78	124			
Trichlorofluoromethane	3.30	ug/L	0.50	66	72	120			S
1,2,3-Trichloropropane	4.04	ug/L	0.50	81	64	138			
Vinyl Acetate	4.08	ug/L	1.0	82	31	124			
Vinyl chloride	5.12	ug/L	0.50	102	58	140			
m+p-Xylenes	9.84	ug/L	0.50	98	67	139			
o-Xylene	4.84	ug/L	0.50	97	74	135			
Xylenes, Total	14.7	ug/L	0.50	98	70	137			
Surr: 1,2-Dichloroethane-d4			0.50	72	71	139			
Surr: p-Bromofluorobenzene			0.50	87	80	127			
Surr: Toluene-d8			0.50	92	80	123			
Lab ID: blk022417	Method Blank			Run: 5971A.L_170224A			02/24/17 11:30		
Acetone	ND	ug/L	20						
Acetonitrile	ND	ug/L	20						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 03/02/17

Project: 170217005 LFH-1 CO-0121724

Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R275391		
Lab ID: blk022417	Method Blank		Run: 5971A.L_170224A				02/24/17 11:30		
Acrolein	ND	ug/L		20					
Acrylonitrile	ND	ug/L		3.0					
Benzene	ND	ug/L		0.50					
Bromobenzene	ND	ug/L		0.50					
Bromochloromethane	ND	ug/L		0.50					
Bromodichloromethane	ND	ug/L		0.50					
Bromoform	ND	ug/L		0.50					
Bromomethane	ND	ug/L		0.50					
Carbon disulfide	ND	ug/L		0.50					
Carbon tetrachloride	ND	ug/L		0.50					
Chlorobenzene	ND	ug/L		0.50					
Chlorodibromomethane	ND	ug/L		0.50					
Chloroethane	ND	ug/L		0.50					
2-Chloroethyl vinyl ether	ND	ug/L		1.0					
Chloroform	ND	ug/L		0.50					
Chloromethane	ND	ug/L		0.50					
2-Chlorotoluene	ND	ug/L		0.50					
4-Chlorotoluene	ND	ug/L		0.50					
1,2-Dibromoethane	ND	ug/L		0.50					
Dibromomethane	ND	ug/L		0.50					
1,2-Dichlorobenzene	ND	ug/L		0.50					
1,3-Dichlorobenzene	ND	ug/L		0.50					
1,4-Dichlorobenzene	ND	ug/L		0.50					
Dichlorodifluoromethane	ND	ug/L		0.50					
1,1-Dichloroethane	ND	ug/L		0.50					
1,2-Dichloroethane	ND	ug/L		0.50					
1,1-Dichloroethene	ND	ug/L		0.50					
cis-1,2-Dichloroethene	ND	ug/L		0.50					
trans-1,2-Dichloroethene	ND	ug/L		0.50					
1,2-Dichloropropane	ND	ug/L		0.50					
1,3-Dichloropropane	ND	ug/L		0.50					
2,2-Dichloropropane	ND	ug/L		0.50					
1,1-Dichloropropene	ND	ug/L		0.50					
cis-1,3-Dichloropropene	ND	ug/L		0.30					
trans-1,3-Dichloropropene	ND	ug/L		0.30					
Ethylbenzene	ND	ug/L		0.50					
Methyl tert-butyl ether (MTBE)	ND	ug/L		0.50					
Methyl ethyl ketone	ND	ug/L		20					
Methyl isobutyl ketone	ND	ug/L		20					
Methylene chloride	ND	ug/L		0.50					
Naphthalene	ND	ug/L		0.50					
Styrene	ND	ug/L		0.50					
Tetrachloroethene	ND	ug/L		0.50					

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17
Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624 Batch: R275391									
Lab ID: blk022417	Method Blank		Run: 5971A.I_170224A				02/24/17 11:30		
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50						
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50						
Toluene	ND	ug/L	0.50						
Trichloroethene	ND	ug/L	0.50						
1,1,1-Trichloroethane	ND	ug/L	0.50						
1,1,2-Trichloroethane	ND	ug/L	0.50						
Trichlorofluoromethane	ND	ug/L	0.50						
1,2,3-Trichloropropane	ND	ug/L	0.50						
Vinyl Acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	0.40						
m+p-Xylenes	ND	ug/L	0.50						
o-Xylene	ND	ug/L	0.50						
Xylenes, Total	ND	ug/L	0.50						
Surr: 1,2-Dichloroethane-d4			0.50	74	71	139			
Surr: p-Bromofluorobenzene			0.50	90	80	127			
Surr: Toluene-d8			0.50	94	80	123			
Lab ID: b17021110-001bms Sample Matrix Spike Run: 5971A.I_170224A 02/24/17 20:47									
Acrolein	ND	ug/L	20	0	16	233			S 1
Acrylonitrile	48.8	ug/L	20	98	76	127			
2-Chloroethyl vinyl ether	3.44	ug/L	1.0	69	36	144			
Surr: 1,2-Dichloroethane-d4			0.50	80	71	139			
Surr: p-Bromofluorobenzene			0.50	95	80	127			
Surr: Toluene-d8			0.50	100	80	123			
- 1 = This is a known very reactive compound. The recovery of this compound was normal in the Laboratory Control Sample (LCS). The compound appears to have reacted with the sample matrix.									
Lab ID: b17021110-001bmsd Sample Matrix Spike Duplicate Run: 5971A.I_170224A 02/24/17 21:16									
Acrolein	ND	ug/L	20	0	16	233			20 S 1
Acrylonitrile	48.8	ug/L	20	98	76	127	0.0	20	
2-Chloroethyl vinyl ether	3.66	ug/L	1.0	73	36	144	6.1	20	
Surr: 1,2-Dichloroethane-d4			0.50	81	71	139			
Surr: p-Bromofluorobenzene			0.50	96	80	127			
Surr: Toluene-d8			0.50	99	80	123			
- 1 = This is a known very reactive compound. The recovery of this compound was normal in the Laboratory Control Sample (LCS). The compound appears to have reacted with the sample matrix.									
Lab ID: b17021110-001bms Sample Matrix Spike Run: 5971A.I_170224A 02/24/17 18:21									
Acetone	40.4	ug/L	20	81	55	144			
Acetonitrile	66.0	ug/L	20	132	54	142			
Benzene	4.60	ug/L	0.50	92	73	122			
Bromobenzene	4.60	ug/L	0.50	92	74	129			
Bromochloromethane	4.56	ug/L	0.50	91	66	120			
Bromodichloromethane	4.36	ug/L	0.50	87	74	128			
Bromoform	4.40	ug/L	0.50	88	66	128			
Bromomethane	5.88	ug/L	0.50	118	51	123			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17
Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R275391		
Lab ID: b17021110-001bms	Sample Matrix Spike		Run: 5971A.I_170224A				02/24/17 18:21		
Carbon disulfide	5.12	ug/L	0.50	102	46	145			
Carbon tetrachloride	3.59	ug/L	0.50	72	75	125			S
Chlorobenzene	4.52	ug/L	0.50	90	80	123			
Chlorodibromomethane	4.52	ug/L	0.50	90	74	125			
Chloroethane	5.40	ug/L	0.50	108	59	142			
Chloroform	4.68	ug/L	0.50	82	68	124			
Chloromethane	4.64	ug/L	0.50	93	53	146			
2-Chlorotoluene	4.88	ug/L	0.50	98	75	131			
4-Chlorotoluene	4.68	ug/L	0.50	94	74	129			
1,2-Dibromoethane	4.16	ug/L	0.50	83	76	124			
Dibromomethane	4.64	ug/L	0.50	93	77	125			
1,2-Dichlorobenzene	4.64	ug/L	0.50	93	74	124			
1,3-Dichlorobenzene	4.88	ug/L	0.50	98	77	122			
1,4-Dichlorobenzene	4.76	ug/L	0.50	91	76	126			
Dichlorodifluoromethane	4.32	ug/L	0.50	86	56	146			
1,1-Dichloroethane	4.24	ug/L	0.50	85	74	133			
1,2-Dichloroethane	3.48	ug/L	0.50	70	75	129			S
1,1-Dichloroethene	4.12	ug/L	0.50	82	74	132			
cis-1,2-Dichloroethene	4.48	ug/L	0.50	90	81	122			
trans-1,2-Dichloroethene	4.64	ug/L	0.50	93	79	143			
1,2-Dichloropropane	4.92	ug/L	0.50	98	75	126			
1,3-Dichloropropane	4.24	ug/L	0.50	85	71	136			
2,2-Dichloropropane	3.60	ug/L	0.50	72	68	142			
1,1-Dichloropropene	4.04	ug/L	0.50	81	70	131			
cis-1,3-Dichloropropene	4.08	ug/L	0.50	82	74	135			
trans-1,3-Dichloropropene	3.97	ug/L	0.50	79	76	149			
Ethylbenzene	4.64	ug/L	0.50	93	72	130			
Methyl tert-butyl ether (MTBE)	3.63	ug/L	0.50	73	72	120			
Methyl ethyl ketone	44.4	ug/L	20	89	45	130			
Methyl isobutyl ketone	51.2	ug/L	20	102	58	135			
Methylene chloride	5.44	ug/L	0.50	109	66	142			
Naphthalene	4.84	ug/L	0.50	97	69	124			
Styrene	4.56	ug/L	0.50	91	80	124			
Tetrachloroethene	4.44	ug/L	0.50	89	72	131			
1,1,1,2-Tetrachloroethane	3.95	ug/L	0.50	79	78	124			
1,1,2,2-Tetrachloroethane	4.88	ug/L	0.50	98	68	137			
Toluene	4.88	ug/L	0.50	98	72	135			
Trichloroethene	4.56	ug/L	0.50	91	85	126			
1,1,1-Trichloroethane	3.51	ug/L	0.50	70	63	120			
1,1,2-Trichloroethane	4.52	ug/L	0.50	90	78	124			
Trichlorofluoromethane	3.29	ug/L	0.50	66	72	120			S
1,2,3-Trichloropropane	3.90	ug/L	0.50	78	64	138			
Vinyl Acetate	4.00	ug/L	1.0	80	31	124			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 03/02/17

Project: 170217005 LFH-1 CO-0121724

Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R275391		
Lab ID: b17021110-001bms	Sample Matrix Spike			Run: 5971A.I_170224A			02/24/17 18:21		
Vinyl chloride	5.12	ug/L	0.50	102	58	140			
m+p-Xylenes	9.32	ug/L	0.50	93	67	139			
o-Xylene	4.44	ug/L	0.50	89	74	135			
Xylenes, Total	13.8	ug/L	0.50	92	70	137			
Surr: 1,2-Dichloroethane-d4			0.50	80	71	139			
Surr: p-Bromofluorobenzene			0.50	94	80	127			
Surr: Toluene-d8			0.50	101	80	123			
Lab ID: b17021110-001bmsd	Sample Matrix Spike Duplicate			Run: 5971A.I_170224A			02/24/17 18:50		
Acetone	44.0	ug/L	20	88	55	144	8.5	20	
Acetonitrile	65.6	ug/L	20	131	54	142	0.6	20	
Benzene	5.04	ug/L	0.50	101	73	122	9.1	20	
Bromobenzene	4.96	ug/L	0.50	99	74	129	7.5	20	
Bromochloromethane	4.80	ug/L	0.50	96	68	120	5.1	20	
Bromodichloromethane	4.60	ug/L	0.50	92	74	128	5.4	20	
Bromoform	4.80	ug/L	0.50	96	66	128	8.7	20	
Bromomethane	6.00	ug/L	0.50	120	51	123	2.0	20	
Carbon disulfide	5.20	ug/L	0.50	104	46	145	1.6	20	
Carbon tetrachloride	3.97	ug/L	0.50	79	75	125	10	20	
Chlorobenzene	4.88	ug/L	0.50	98	80	123	7.7	20	
Chlorodibromomethane	4.76	ug/L	0.50	95	74	125	5.2	20	
Chloroethane	5.32	ug/L	0.50	106	59	142	1.5	20	
Chloroform	4.96	ug/L	0.50	87	68	124	5.8	20	
Chloromethane	4.88	ug/L	0.50	98	53	146	5.0	20	
2-Chlorotoluene	5.20	ug/L	0.50	104	75	131	6.3	20	
4-Chlorotoluene	5.04	ug/L	0.50	101	74	129	7.4	20	
1,2-Dibromoethane	4.52	ug/L	0.50	90	76	124	8.3	20	
Dibromomethane	4.88	ug/L	0.50	98	77	125	5.0	20	
1,2-Dichlorobenzene	5.04	ug/L	0.50	101	74	124	8.3	20	
1,3-Dichlorobenzene	5.20	ug/L	0.50	104	77	122	6.3	20	
1,4-Dichlorobenzene	5.12	ug/L	0.50	98	76	126	7.3	20	
Dichlorodifluoromethane	4.36	ug/L	0.50	87	56	146	0.9	20	
1,1-Dichloroethane	4.68	ug/L	0.50	94	74	133	9.9	20	
1,2-Dichloroethane	3.76	ug/L	0.50	75	75	129	7.8	20	
1,1-Dichloroethene	4.44	ug/L	0.50	89	74	132	7.5	20	
cis-1,2-Dichloroethene	4.88	ug/L	0.50	98	81	122	8.5	20	
trans-1,2-Dichloroethene	5.12	ug/L	0.50	102	79	143	9.8	20	
1,2-Dichloropropane	5.24	ug/L	0.50	105	75	126	6.3	20	
1,3-Dichloropropane	4.64	ug/L	0.50	93	71	136	9.0	20	
2,2-Dichloropropane	3.96	ug/L	0.50	79	68	142	9.6	20	
1,1-Dichloropropene	4.44	ug/L	0.50	89	70	131	9.4	20	
cis-1,3-Dichloropropene	4.40	ug/L	0.50	88	74	135	7.5	20	
trans-1,3-Dichloropropene	4.24	ug/L	0.50	85	76	149	6.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17
Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R275391		
Lab ID: b17021110-001bmsd	Sample Matrix Spike Duplicate			Run: 5971A.L_170224A			02/24/17 18:50		
Ethylbenzene	5.00	ug/L	0.50	100	72	130	7.5	20	
Methyl tert-butyl ether (MTBE)	3.83	ug/L	0.50	77	72	120	5.5	20	
Methyl ethyl ketone	46.0	ug/L	20	92	45	130	3.5	20	
Methyl isobutyl ketone	51.2	ug/L	20	102	58	135	0.0	20	
Methylene chloride	5.72	ug/L	0.50	114	66	142	5.0	20	
Naphthalene	5.56	ug/L	0.50	111	69	124	14	20	
Styrene	4.84	ug/L	0.50	97	80	124	6.0	20	
Tetrachloroethene	4.72	ug/L	0.50	94	72	131	6.1	20	
1,1,1,2-Tetrachloroethane	4.20	ug/L	0.50	84	78	124	6.1	20	
1,1,2,2-Tetrachloroethane	5.20	ug/L	0.50	104	68	137	6.3	20	
Toluene	5.12	ug/L	0.50	102	72	135	4.8	20	
Trichloroethene	4.80	ug/L	0.50	96	85	126	5.1	20	
1,1,1-Trichloroethane	3.94	ug/L	0.50	79	63	120	12	20	
1,1,2-Trichloroethane	4.76	ug/L	0.50	95	78	124	5.2	20	
Trichlorofluoromethane	3.36	ug/L	0.50	67	72	120	2.3	20	S
1,2,3-Trichloropropane	4.20	ug/L	0.50	84	64	138	7.4	20	
Vinyl Acetate	4.20	ug/L	1.0	84	31	124	4.9	20	
Vinyl chloride	5.08	ug/L	0.50	102	58	140	0.8	20	
m+p-Xylenes	9.92	ug/L	0.50	99	67	139	6.2	20	
o-Xylene	4.80	ug/L	0.50	96	74	135	7.8	20	
Xylenes, Total	14.7	ug/L	0.50	98	70	137			
Surr: 1,2-Dichloroethane-d4			0.50	81	71	139			
Surr: p-Bromofluorobenzene			0.50	94	80	127			
Surr: Toluene-d8			0.50	100	80	123			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 03/02/17

Project: 170217005 LFH-1 CO-0121724

Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625									Batch: 107004
Lab ID: MB-107004	Method Blank						Run: SV5973N2.I_170227B		02/27/17 18:24
Acenaphthene	ND	ug/L							
Acenaphthylene	ND	ug/L							
Anthracene	ND	ug/L							
Azobenzene	ND	ug/L							
Benzo(a)anthracene	ND	ug/L							
Benzo(a)pyrene	ND	ug/L							
Benzo(b)fluoranthene	ND	ug/L							
Benzo(g,h,i)perylene	ND	ug/L							
Benzo(k)fluoranthene	ND	ug/L							
4-Bromophenyl phenyl ether	ND	ug/L							
Butylbenzylphthalate	ND	ug/L							
4-Chloro-3-methylphenol	ND	ug/L							
bis(-2-chloroethoxy)Methane	ND	ug/L							
bis(-2-chloroethyl)Ether	ND	ug/L							
bis(2-chloroisopropyl)Ether	ND	ug/L							
2-Chloronaphthalene	ND	ug/L							
2-Chlorophenol	ND	ug/L							
4-Chlorophenyl phenyl ether	ND	ug/L							
Chrysene	ND	ug/L							
Diethyl phthalate	ND	ug/L							
Di-n-butyl phthalate	ND	ug/L							
1,2-Dichlorobenzene	ND	ug/L							
1,3-Dichlorobenzene	ND	ug/L							
1,4-Dichlorobenzene	ND	ug/L							
3,3'-Dichlorobenzidine	ND	ug/L							
2,4-Dichlorophenol	ND	ug/L							
Dimethyl phthalate	ND	ug/L							
Di-n-octyl phthalate	ND	ug/L							
Dibenzo(a,h)anthracene	ND	ug/L							
2,4-Dimethylphenol	ND	ug/L							
4,6-Dinitro-2-methylphenol	ND	ug/L							50
2,4-Dinitrophenol	ND	ug/L							50
2,4-Dinitrotoluene	ND	ug/L							10
2,6-Dinitrotoluene	ND	ug/L							10
bis(2-ethylhexyl)Phthalate	ND	ug/L							10
Fluoranthene	ND	ug/L							10
Fluorene	ND	ug/L							10
Hexachlorobenzene	ND	ug/L							10
Hexachlorobutadiene	ND	ug/L							10
Hexachlorocyclopentadiene	ND	ug/L							10
Hexachloroethane	ND	ug/L							10
Indeno(1,2,3-cd)pyrene	ND	ug/L							10
Isophorone	ND	ug/L							10

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 03/02/17

Project: 170217005 LFH-1 CO-0121724

Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625							Batch: 107004		
Lab ID: MB-107004	Method Blank		Run: SV5973N2.I_170227B				02/27/17 18:24		
n-Nitrosodimethylamine	ND	ug/L	10						
n-Nitroso-di-n-propylamine	ND	ug/L	10						
n-Nitrosodiphenylamine	ND	ug/L	10						
2-Nitrophenol	ND	ug/L	10						
4-Nitrophenol	ND	ug/L	50						
Naphthalene	ND	ug/L	10						
Nitrobenzene	ND	ug/L	10						
Pentachlorophenol	ND	ug/L	50						
Phenanthrene	ND	ug/L	10						
Phenol	ND	ug/L	10						
Pyrene	ND	ug/L	10						
1,2,4-Trichlorobenzene	ND	ug/L	10						
2,4,6-Trichlorophenol	ND	ug/L	10						
Surr: 2-Fluorobiphenyl			10	55	28	107			
Surr: 2-Fluorophenol			10	36	20	56			
Surr: Nitrobenzene-d5			10	58	32	94			
Surr: Phenol-d5			10	35	19	45			
Surr: Terphenyl-d14			10	77	32	122			
Surr: 2,4,6-Tribromophenol			10	58	21	130			
Lab ID: LCS-107004	Laboratory Control Sample		Run: SV5973N2.I_170227B				02/27/17 18:55		
Acenaphthene	81.2	ug/L	10	81	58	99			
Acenaphthylene	76.5	ug/L	10	77	57	96			
Anthracene	79.5	ug/L	10	80	60	107			
Azobenzene	79.3	ug/L	10	79	56	100			
Benzo(a)anthracene	84.1	ug/L	10	84	62	114			
Benzo(a)pyrene	80.1	ug/L	10	80	62	108			
Benzo(b)fluoranthene	88.6	ug/L	10	89	48	127			
Benzo(g,h,i)perylene	81.6	ug/L	10	82	82	121			
Benzo(k)fluoranthene	79.2	ug/L	10	79	55	111			
4-Bromophenyl phenyl ether	83.0	ug/L	10	83	58	105			
Butylbenzylphthalate	91.6	ug/L	10	92	60	113			
4-Chloro-3-methylphenol	65.7	ug/L	10	66	53	92			
bis(-2-chloroethoxy)Methane	73.9	ug/L	10	74	50	92			
bis(-2-chloroethyl)Ether	63.4	ug/L	10	63	44	82			
bis(2-chloroisopropyl)Ether	61.2	ug/L	10	61	56	87			
2-Chloronaphthalene	74.9	ug/L	10	75	56	95			
2-Chlorophenol	60.1	ug/L	10	60	47	76			
4-Chlorophenyl phenyl ether	75.8	ug/L	10	76	58	99			
Chrysene	81.9	ug/L	10	82	63	106			
Diethyl phthalate	78.6	ug/L	10	79	58	103			
Di-n-butyl phthalate	87.6	ug/L	10	88	61	110			
1,2-Dichlorobenzene	81.5	ug/L	10	82	43	81			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 03/02/17

Project: 170217005 LFH-1 CO-0121724

Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625							Batch: 107004		
Lab ID: LCS-107004	Laboratory Control Sample			Run: SV5973N2.I_170227B			02/27/17 18:55		
1,3-Dichlorobenzene	60.2	ug/L	10	60	41	79			
1,4-Dichlorobenzene	61.4	ug/L	10	61	42	79			
3,3'-Dichlorobenzidine	66.6	ug/L	10	69	51	93			
2,4-Dichlorophenol	64.7	ug/L	10	65	49	90			
Dimethyl phthalate	76.4	ug/L	10	76	58	104			
Di-n-octyl phthalate	88.3	ug/L	10	88	56	110			
Dibenzo(a,h)anthracene	80.4	ug/L	10	80	61	111			
2,4-Dimethylphenol	61.8	ug/L	10	62	45	89			
4,6-Dinitro-2-methylphenol	48.2	ug/L	50	48	37	105			
2,4-Dinitrophenol	39.7	ug/L	50	40	27	81			
2,4-Dinitrotoluene	87.7	ug/L	10	88	63	110			
2,6-Dinitrotoluene	75.5	ug/L	10	76	60	107			
bis(2-ethylhexyl)Phthalate	88.6	ug/L	10	89	56	108			
Fluoranthene	63.8	ug/L	10	84	63	110			
Fluorene	77.4	ug/L	10	77	60	99			
Hexachlorobenzene	76.2	ug/L	10	78	57	103			
Hexachlorobutadiene	67.5	ug/L	10	67	39	83			
Hexachlorocyclopentadiene	68.4	ug/L	10	68	39	91			
Hexachloroethane	59.6	ug/L	10	60	37	75			
Indeno(1,2,3-cd)pyrene	82.0	ug/L	10	82	59	109			
Isophorone	67.1	ug/L	10	67	42	102			
n-Nitrosodimethylamine	36.9	ug/L	10	37	20	45			
n-Nitroso-di-n-propylamine	71.5	ug/L	10	71	49	98			
n-Nitrosodiphenylamine	90.0	ug/L	10	90	61	108			
2-Nitrophenol	68.0	ug/L	10	68	51	96			
4-Nitrophenol	16.3	ug/L	50	18	15	36			
Naphthalene	71.6	ug/L	10	72	48	96			
Nitrobenzene	65.0	ug/L	10	65	51	91			
Pentachlorophenol	70.6	ug/L	50	71	53	109			
Phenanthrene	80.5	ug/L	10	81	58	104			
Phenol	35.4	ug/L	10	35	27	45			
Pyrene	89.3	ug/L	10	89	64	108			
1,2,4-Trichlorobenzene	67.3	ug/L	10	67	49	85			
2,4,6-Trichlorophenol	64.9	ug/L	10	65	47	99			
Surr: 2-Fluorobiphenyl			10	63	28	107			
Surr: 2-Fluorophenol			10	35	20	56			
Surr: Nitrobenzene-d5			10	68	32	94			
Surr: Phenol-d5			10	42	19	45			
Surr: Terphenyl-d14			10	87	32	122			
Surr: 2,4,6-Tribromophenol			10	70	21	130			
Lab ID: B17021688-001CMS	Sample Matrix Spike			Run: SV5973N2.I_170227B			02/27/17 20:29		
Acenaphthene	86.4	ug/L	10	86	58	99			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17
Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625							Batch: 107004		
Lab ID: B17021688-001CMS	Sample Matrix Spike			Run: SV5973N2.I_170227B			02/27/17 20:29		
Acenaphthylene	83.0	ug/L	10	83	57	96			
Anthracene	86.4	ug/L	10	86	60	107			
Azobenzene	84.3	ug/L	10	84	56	100			
Benzo(a)anthracene	90.3	ug/L	10	90	62	114			
Benzo(a)pyrene	80.9	ug/L	10	81	62	108			
Benzo(b)fluoranthene	80.4	ug/L	10	80	48	127			
Benzo(g,h,i)perylene	80.5	ug/L	10	81	62	121			
Benzo(k)fluoranthene	83.5	ug/L	10	83	55	111			
4-Bromophenyl phenyl ether	80.4	ug/L	10	80	58	105			
Butylbenzylphthalate	99.7	ug/L	10	100	60	113			
4-Chloro-3-methylphenol	77.0	ug/L	10	77	53	92			
bis(-2-chloroethoxy)Methane	77.3	ug/L	10	77	50	92			
bis(-2-chloroethyl)Ether	66.7	ug/L	10	67	44	82			
bis(2-chloroisopropyl)Ether	66.6	ug/L	10	67	56	87			
2-Chloronaphthalene	79.8	ug/L	10	80	56	95			
2-Chlorophenol	64.1	ug/L	10	64	47	76			
4-Chlorophenyl phenyl ether	84.5	ug/L	10	85	58	99			
Chrysene	85.9	ug/L	10	86	63	106			
Diethyl phthalate	85.4	ug/L	10	85	58	103			
Di-n-butyl phthalate	96.0	ug/L	10	96	61	110			
1,2-Dichlorobenzene	66.1	ug/L	10	66	43	81			
1,3-Dichlorobenzene	61.9	ug/L	10	62	41	79			
1,4-Dichlorobenzene	61.8	ug/L	10	62	42	79			
3,3'-Dichlorobenzidine	69.1	ug/L	10	69	51	93			
2,4-Dichlorophenol	68.4	ug/L	10	68	49	90			
Dimethyl phthalate	81.4	ug/L	10	81	58	104			
Di-n-octyl phthalate	90.6	ug/L	10	91	56	110			
Dibenzo(a,h)anthracene	80.0	ug/L	10	80	61	111			
2,4-Dimethylphenol	69.2	ug/L	10	69	45	87			
4,6-Dinitro-2-methylphenol	58.9	ug/L	50	59	37	105			
2,4-Dinitrophenol	54.8	ug/L	50	55	27	81			
2,4-Dinitrotoluene	82.5	ug/L	10	83	63	110			
2,6-Dinitrotoluene	80.8	ug/L	10	81	60	107			
bis(2-ethylhexyl)Phthalate	92.0	ug/L	10	92	56	108			
Fluoranthene	88.0	ug/L	10	88	63	110			
Fluorene	80.1	ug/L	10	80	60	99			
Hexachlorobenzene	82.5	ug/L	10	83	57	103			
Hexachlorobutadiene	69.0	ug/L	10	69	39	83			
Hexachlorocyclopentadiene	68.1	ug/L	10	68	39	91			
Hexachloroethane	65.6	ug/L	10	66	37	75			
Indeno(1,2,3-cd)pyrene	82.3	ug/L	10	82	59	109			
Isophorone	71.3	ug/L	10	71	42	102			
n-Nitrosodimethylamine	41.5	ug/L	10	41	20	45			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 03/02/17

Project: 170217005 LFH-1 CO-0121724

Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: E625							Batch: 107004			
Lab ID: B17021688-001CMS	Sample Matrix Spike		Run: SV5973N2.I_170227B				02/27/17 20:29			
n-Nitroso-di-n-propylamine	76.9	ug/L	10	77	49	98				
n-Nitrosodiphenylamine	93.7	ug/L	10	94	61	108				
2-Nitrophenol	69.9	ug/L	10	70	51	96				
4-Nitrophenol	24.6	ug/L	50	25	15	36				
Naphthalene	76.0	ug/L	10	76	48	96				
Nitrobenzene	72.5	ug/L	10	73	51	91				
Pentachlorophenol	89.2	ug/L	50	89	53	109				
Phenanthrene	85.1	ug/L	10	85	58	104				
Phenol	36.7	ug/L	10	37	27	45				
Pyrene	88.8	ug/L	10	90	64	108				
1,2,4-Trichlorobenzene	70.9	ug/L	10	71	49	85				
2,4,6-Trichlorophenol	67.7	ug/L	10	68	47	99				
Surr: 2-Fluorobiphenyl			10	62	28	107				
Surr: 2-Fluorophenol			10	39	20	56				
Surr: Nitrobenzene-d5			10	72	32	94				
Surr: Phenol-d5			10	35	19	45				
Surr: Terphenyl-d14			10	87	32	122				
Surr: 2,4,6-Tribromophenol			10	75	21	130				
Lab ID: B17021688-003CMS							Run: SV5973N2.I_170227B			02/27/17 21:31
Acenaphthene	89.8	ug/L	10	90	58	99				
Acenaphthylene	82.2	ug/L	10	82	57	96				
Anthracene	73.2	ug/L	10	73	60	107				
Azobenzene	80.2	ug/L	10	80	56	100				
Benzo(a)anthracene	85.1	ug/L	10	85	62	114				
Benzo(a)pyrene	77.0	ug/L	10	77	62	108				
Benzo(b)fluoranthene	73.3	ug/L	10	73	48	127				
Benzo(g,h,i)perylene	78.5	ug/L	10	79	62	121				
Benzo(k)fluoranthene	83.1	ug/L	10	83	55	111				
4-Bromophenyl phenyl ether	78.1	ug/L	10	78	58	105				
Butylbenzylphthalate	92.9	ug/L	10	93	60	113				
4-Chloro-3-methylphenol	69.5	ug/L	10	69	53	92				
bis(-2-chloroethoxy)Methane	69.6	ug/L	10	70	50	92				
bis(-2-chloroethyl)Ether	58.4	ug/L	10	58	44	82				
bis(2-chloroisopropyl)Ether	57.7	ug/L	10	58	56	87				
2-Chloronaphthalene	77.7	ug/L	10	78	56	95				
2-Chlorophenol	56.6	ug/L	10	57	47	76				
4-Chlorophenyl phenyl ether	82.9	ug/L	10	83	58	99				
Chrysene	82.0	ug/L	10	82	63	106				
Diethyl phthalate	80.2	ug/L	10	80	58	103				
Di-n-butyl phthalate	86.9	ug/L	10	87	61	110				
1,2-Dichlorobenzene	61.5	ug/L	10	62	43	81				
1,3-Dichlorobenzene	59.3	ug/L	10	59	41	79				

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17
Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625							Batch: 107004		
Lab ID: B17021688-003CMS	Sample Matrix Spike		Run: SV5973N2.I_170227B				02/27/17 21:31		
1,4-Dichlorobenzene	57.9	ug/L	10	58	42	79			
3,3'-Dichlorobenzidine	52.9	ug/L	10	53	51	93			
2,4-Dichlorophenol	61.5	ug/L	10	62	49	90			
Dimethyl phthalate	74.3	ug/L	10	74	58	104			
Di-n-octyl phthalate	82.5	ug/L	10	83	56	110			
Dibenzo(a,h)anthracene	75.9	ug/L	10	76	61	111			
2,4-Dimethylphenol	60.0	ug/L	10	60	45	87			
4,6-Dinitro-2-methylphenol	41.6	ug/L	50	42	37	105			
2,4-Dinitrophenol	30.1	ug/L	50	30	27	81			
2,4-Dinitrotoluene	86.9	ug/L	10	87	63	110			
2,6-Dinitrotoluene	75.9	ug/L	10	76	60	107			
bis(2-ethylhexyl)Phthalate	81.5	ug/L	10	82	56	108			
Fluoranthene	82.0	ug/L	10	82	63	110			
Fluorene	81.9	ug/L	10	82	60	99			
Hexachlorobenzene	75.8	ug/L	10	76	57	103			
Hexachlorobutadiene	69.3	ug/L	10	69	39	83			
Hexachlorocyclopentadiene	69.5	ug/L	10	70	39	91			
Hexachloroethane	57.7	ug/L	10	58	37	75			
Indeno(1,2,3-cd)pyrene	73.4	ug/L	10	73	59	109			
Isophorone	68.4	ug/L	10	68	42	102			
n-Nitrosodimethylamine	27.8	ug/L	10	28	20	45			
n-Nitroso-di-n-propylamine	68.7	ug/L	10	69	49	98			
n-Nitrosodiphenylamine	84.0	ug/L	10	84	61	108			
2-Nitrophenol	61.8	ug/L	10	62	51	96			
4-Nitrophenol	27.7	ug/L	50	28	15	36			
Naphthalene	72.4	ug/L	10	72	48	96			
Nitrobenzene	69.7	ug/L	10	70	51	91			
Pentachlorophenol	66.8	ug/L	50	67	53	109			
Phenanthrene	79.7	ug/L	10	80	58	104			
Phenol	33.9	ug/L	10	34	27	45			
Pyrene	81.2	ug/L	10	81	64	108			
1,2,4-Trichlorobenzene	71.3	ug/L	10	71	49	85			
2,4,6-Trichlorophenol	63.8	ug/L	10	64	47	99			
Surr: 2-Fluorobiphenyl			10	45	28	107			
Surr: 2-Fluorophenol			10	37	20	56			
Surr: Nitrobenzene-d5			10	62	32	94			
Surr: Phenol-d5			10	31	19	45			
Surr: Terphenyl-d14			10	64	32	122			
Surr: 2,4,6-Tribromophenol			10	55	21	130			
Lab ID: MB-107004	Method Blank		Run: SV5973N2.I_170228A				02/28/17 12:11		
Benzidine	ND	ug/L	10						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



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QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 03/02/17

Project: 170217005 LFH-1 CO-0121724

Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625									Batch: 107004
Lab ID: LCS-107004	Laboratory Control Sample								Run: SV5973N2.I_170228A 02/28/17 12:42
Benzidine	63.4	ug/L	10	63	10	100			
Lab ID: B17021688-001CMS	Sample Matrix Spike								Run: SV5973N2.I_170228A 02/28/17 14:16
Benzidine	25.8	ug/L	20	26	10	100			
Lab ID: B17021688-003CMS	Sample Matrix Spike								Run: SV5973N2.I_170228A 02/28/17 15:18
Benzidine	28.5	ug/L	20	28	10	100			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 03/02/17

Project: 170217005 LFH-1 CO-0121724

Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625							Analytical Run: R275528		
Lab ID: 27-Feb-17_CCV_2	Continuing Calibration Verification Standard							02/27/17 15:18	
Acenaphthene	75.7	ug/L	10	101	80	120			
Acenaphthylene	75.2	ug/L	10	100	80	120			
Anthracene	78.7	ug/L	10	105	80	120			
Azobenzene	79.8	ug/L	10	106	80	120			
Benzo(a)anthracene	78.0	ug/L	10	104	80	120			
Benzo(a)pyrene	78.0	ug/L	10	104	80	120			
Benzo(b)fluoranthene	78.6	ug/L	10	105	80	120			
Benzo(g,h,i)perylene	75.3	ug/L	10	100	80	120			
Benzo(k)fluoranthene	73.2	ug/L	10	98	80	120			
4-Bromophenyl phenyl ether	74.4	ug/L	10	99	80	120			
Butylbenzylphthalate	84.4	ug/L	10	113	80	120			
4-Chloro-3-methylphenol	77.2	ug/L	10	103	80	120			
bis(-2-chloroethoxy)Methane	79.4	ug/L	10	106	80	120			
bis(-2-chloroethyl)Ether	80.8	ug/L	10	108	80	120			
bis(2-chloroisopropyl)Ether	77.8	ug/L	10	104	80	120			
2-Chloronaphthalene	70.3	ug/L	10	94	80	120			
2-Chlorophenol	80.3	ug/L	10	107	80	120			
4-Chlorophenyl phenyl ether	72.9	ug/L	10	97	80	120			
Chrysene	75.0	ug/L	10	100	80	120			
Diethyl phthalate	75.7	ug/L	10	101	80	120			
Di-n-butyl phthalate	81.6	ug/L	10	109	80	120			
1,2-Dichlorobenzene	72.7	ug/L	10	97	80	120			
1,3-Dichlorobenzene	77.8	ug/L	10	104	80	120			
1,4-Dichlorobenzene	74.9	ug/L	10	100	80	120			
3,3'-Dichlorobenzidine	75.8	ug/L	10	101	80	120			
2,4-Dichlorophenol	74.8	ug/L	10	100	80	120			
Dimethyl phthalate	75.3	ug/L	10	100	80	120			
Di-n-octyl phthalate	83.5	ug/L	10	111	80	120			
Dibenzo(a,h)anthracene	74.8	ug/L	10	100	80	120			
2,4-Dimethylphenol	73.0	ug/L	10	97	80	120			
4,6-Dinitro-2-methylphenol	71.3	ug/L	50	95	80	120			
2,4-Dinitrophenol	69.4	ug/L	50	93	80	120			
2,4-Dinitrotoluene	79.4	ug/L	10	106	80	120			
2,6-Dinitrotoluene	78.1	ug/L	10	104	80	120			
bis(2-ethylhexyl)Phthalate	84.4	ug/L	10	112	80	120			
Fluoranthene	76.0	ug/L	10	101	80	120			
Fluorene	77.8	ug/L	10	104	80	120			
Hexachlorobenzene	73.8	ug/L	10	98	80	120			
Hexachlorobutadiene	71.9	ug/L	10	96	80	120			
Hexachlorocyclopentadiene	73.1	ug/L	10	97	80	120			
Hexachloroethane	77.6	ug/L	10	103	80	120			
Indeno(1,2,3-cd)pyrene	75.6	ug/L	10	101	80	120			
Isophorone	78.1	ug/L	10	104	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 03/02/17

Project: 170217005 LFH-1 CO-0121724

Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625							Analytical Run: R275528		
Lab ID: 27-Feb-17_CCV_2	Continuing Calibration Verification Standard						02/27/17 15:18		
n-Nitrosodimethylamine	75.3	ug/L	10	100	80	120			
n-Nitroso-di-n-propylamine	77.8	ug/L	10	104	80	120			
n-Nitrosodiphenylamine	78.9	ug/L	10	105	80	120			
2-Nitrophenol	75.8	ug/L	10	101	80	120			
4-Nitrophenol	69.6	ug/L	50	93	80	120			
Naphthalene	79.8	ug/L	10	106	80	120			
Nitrobenzene	76.8	ug/L	10	102	80	120			
Pentachlorophenol	73.3	ug/L	50	98	80	120			
Phenanthrene	74.0	ug/L	10	99	80	120			
Phenol	79.2	ug/L	10	106	80	120			
Pyrene	75.2	ug/L	10	100	80	120			
1,2,4-Trichlorobenzene	72.8	ug/L	10	97	80	120			
2,4,6-Trichlorophenol	73.6	ug/L	10	98	80	120			
Surr: 2-Fluorobiphenyl			10	100	80	120			
Surr: 2-Fluorophenol			10	113	80	120			
Surr: Nitrobenzene-d5			10	105	80	120			
Surr: Phenol-d5			10	121	80	120			S
Surr: Terphenyl-d14			10	101	80	120			
Surr: 2,4,6-Tribromophenol			10	102	80	120			

Method: E625							Analytical Run: R275577		
Lab ID: 28-Feb-17_CCV_2	Continuing Calibration Verification Standard						02/28/17 11:39		
Benzidine	89.5	ug/L	10	119	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Project: 170217005 LFH-1 CO-0121724

Report Date: 03/02/17

Work Order: C17020566

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260M									Analytical Run: 107003
Lab ID: CCV-107003	Continuing Calibration Verification Standard								02/27/17 08:30
1,4-Dioxane	105	ug/L	1.0	105	80	120			
Method: SW8260M									Batch: 107003
Lab ID: LCS-107003	Laboratory Control Sample								Run: VOA5973A.I_170227A
1,4-Dioxane	106	ug/L	1.0	106	70	130			02/27/17 09:22
Lab ID: MB-107003	Method Blank								Run: VOA5973A.I_170227A
1,4-Dioxane	ND	ug/L	1.0						02/27/17 09:44
Lab ID: C17020566-001BMS	Sample Matrix Spike								Run: VOA5973A.I_170227A
1,4-Dioxane	200	ug/L	2.0	100	70	130			02/27/17 11:37
Lab ID: C17020566-001BMSD	Sample Matrix Spike Duplicate								Run: VOA5973A.I_170227A
1,4-Dioxane	206	ug/L	2.0	103	70	130	3.0		02/27/17 11:59

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Work Order Receipt Checklist

Colorado Analytical Laboratories Inc

C17020566

Login completed by: Dorian Quis

Date Received: 2/21/2017

Reviewed by: Kasey Vidick

Received by: dcq

Reviewed Date: 2/21/2017

Carrier name: Ground

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all shipping container(s)/cooler(s)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on all sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Not Applicable <input type="checkbox"/>
Container/Temp Blank temperature:	6.8°C Blue ice		
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input checked="" type="checkbox"/>

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as -dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Contact and Corrective Action Comments:

None



Colorado Department
of Public Health
and Environment

Inorganic Chemicals Certified Laboratory Report Form
WQCD - Drinking Water CAS
4300 Cherry Creek Drive South, Denver, CO 80246-1530
Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us

Revised 6/13/2014

IOC

Section I (Supplied or Completed by Public Water System)		Section II (Supplied or Completed by Certified Laboratory)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO0121724	Laboratory ID: CO 0015	Laboratory Name: Colorado Analytical Laboratory	
System Name: Sterling Ranch MD	Phone #: 719-227-0072	Contact Person: Customer Service	Phone: 303-659-2313
Contact Person: Mark Volle	Do Samples Need to be Compositated BY THE LAB? <input type="checkbox"/>	Comments:	

Section III (Supplied or Completed by Public Water System)			
Sample Date: 3/23/17	Collector: Stephanie Schw	Facility ID (On Schedule): New Well	Sample Pt ID (On Schedule): New Well
Section IV Inorganic Chemicals (Completed by Certified Laboratory)			
Lab Receipt Date: 3/24/17	Lab Analysis Date: 3/24/17	Lab Sample ID: 170324007-01	Analyte Name: Fluoride
		CAS No: 7681-49-4	Analytical Method: EPA 300.0
		MCL (mg/L): 4	Lab MRL (mg/L): 0.09
			Result (mg/L): 1.22

NT: Not Tested
 Lab MRL: Laboratory Minimum Reporting Level
 BDL: Below Laboratory MRL. A less than (<) may also used.

mg/L: Milligrams per Liter
 MCL: Maximum Contaminant Level

4/21/17
 170324007-01
 1/1
 N



Colorado Department
of Public Health
and Environment

Inorganic Chemicals Certified Laboratory Report Form
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Revised 4/13/2015

IOC

Section I (Supplied or Completed by Public Water System)		Section II (Supplied or Completed by Certified Laboratory)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO0121724		Laboratory ID: CO 0015	
System Name: Sterling Ranch MD		Laboratory Name: Colorado Analytical Laboratory	
Contact Person: Mark Volle		Contact Person: Customer Service Phone: 303-659-2313	
Comments:		Comments:	
Do Samples Need to be Compositied BY THE LAB? <input type="checkbox"/>			

Section III (Supplied or Completed by Public Water System)			
Sample Date: 3/23/17		Sample Pt ID (On Schedule): New Well	
Collector: Stephanie Schw		New Well	
Section IV Inorganic Chemicals (Completed by Certified Laboratory)			

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name	CAS No.	Analytical Method	MCL (mg/L)	Lab MRL (mg/L)	Result (mg/L)
3/24/17	3/29/17	170324007-01A	Antimony	7740-36-0	EPA 200.8	0.006	0.001	BDL
3/24/17	3/29/17	170324007-01A	Arsenic	7440-38-2	EPA 200.8	0.01	0.001	0.002
3/24/17	3/29/17	170324007-01A	Barium	7440-39-3	EPA 200.8	2	0.001	0.003
3/24/17	3/29/17	170324007-01A	Beryllium	7440-41-7	EPA 200.8	0.004	0.001	BDL
3/24/17	3/29/17	170324007-01A	Cadmium	7440-43-9	EPA 200.8	0.005	0.001	BDL
3/24/17	3/29/17	170324007-01A	Chromium	7440-47-3	EPA 200.8	0.1	0.001	BDL
3/24/17	3/29/17	170324007-01A	Mercury	7439-97-6	EPA 200.8	0.002	0.0001	BDL
3/24/17	3/29/17	170324007-01A	Nickel	7440-02-0	EPA 200.8	N/A	0.001	0.001
3/24/17	3/29/17	170324007-01A	Selenium	7782-49-2	EPA 200.8	0.05	0.001	BDL
3/24/17	3/30/17	170324007-01A	Sodium	7440-23-5	EPA 200.7	N/A	0.1	52.8
3/24/17	3/29/17	170324007-01A	Thallium	7440-28-0	EPA 200.8	0.002	0.001	BDL

NT: Not Tested
Lab MRL: Laboratory Minimum Reporting Level
BDL: Below Laboratory MRL. A less than (<) may also used.

mg/L: Milligrams per Liter
MCL: Maximum Contaminant Level

4/21/17
170324007-01A
1/1
N



Drinking Water Chain of Custody

page 2 of 2

Report To Information Company Name: <u>JDS-Hydro Consultants</u> Contact Name: <u>Mark Volle</u> Address: <u>546 E. Pikes Peak Ave</u> <u>Suite 300</u> City: <u>CS</u> State: <u>CO</u> Zip: <u>80903</u> Phone: <u>719-227-0073</u> Fax: Email: <u>mvolle@jds-hydro.com</u> Sampler Name: <u>Stephan Schuster</u> PO No.:		Bill To Information (if different from report to) Company Name: <u>SR Water</u> Contact Name: <u>Jim Morley</u> Address: <u>20 Boulder Crescent</u> <u>City</u> State: <u>CO</u> Zip: <u>80903</u> Phone: Fax: Email: <u>jmorley3870@aol.com</u> Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
State Form / Project Information PWSID: <u>CO 0121724</u> System Name: <u>Serling Ranch MD</u> Address: <u>20 Boulder Crescent</u> City: <u>CS</u> State: <u>CO</u> Zip: <u>80903</u> County: <u>El Paso</u> Compliance Samples: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		LABORATORIES, INC. Brighton Lab 240 South Main Street Brighton, CO 80601 Lakewood Lab 12860 W. Cedar Dr, Suite 100A Lakewood CO 80228 Phone: 303-659-2313 Fax: 303-659-2315 www.coloradolab.com	

CAL Task No. 170324007		PHASE I, II, V Drinking Water Analyses (check analysis)														Subcontract Analyses																		
ARF		No. of Containers	Residual Chlorine (mg/L)	Total Coliform P/A	504.1 EDB/D/BCP	505 Pests/PCBs	515.4 Herbicides	525.2 SOCs-Pest	531.1 Carbamates	547 Glyphosate	548.1 Endothal	549.2 Diquat	524.2 THMs	522.2 HAAs	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk./Lang. Index	(TOC, DOC (Circle))	SUVA, UV 254 (Circle)	X Cyanide	Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium						
3-23	8:07	#11																																
	8:00 am	#12																																
	8:26	#14																																
	8:12	#15																																
	8:23	#16 (1,4 Dioxane)																																
	8:24	#18																																
	8:15	#19																																
	8:29	#20																																

Instructions:

Retinquinshed By: [Signature] Date/Time: 3-23 11:30am

Received By: [Signature] Date/Time: 3-23 11:30am

Delivered Via: C/S Charge Temp. °C/Ice Sample Pres. Yes No

Relinquished By: [Signature] Date/Time: 3-23 11:30am

Received By: [Signature] Date/Time: 3-23 11:30am

Seals Present Yes No Headspace Yes No

Analytical Results

TASK NO: 170324007

Report To: Mark Volle

Company: JDS Hydro Consultants
545 E. Pikes Peak Ave
Suite 300
Colorado Springs CO 80903

Bill To: Jim Morley

Company: SR Water
20 Boulder Crescent St.
Colorado Springs CO 80903

Task No.: 170324007
Client PO:
Client Project: Sterling Ranch MD CO0121724

Date Received: 3/24/17
Date Reported: 4/21/17
Matrix: Water - Drinking

Customer Sample ID: Sterling Ranch MD
Sample Date/Time: 3/23/17 8:03 AM
Lab Number: 170324007-01

Test	Result	Method	ML	Date Analyzed	Analyzed By
Bicarbonate	99.7 mg/L as CaCO ₃	SM 2320-B	0.1	3/28/17	VDB
Calcium as CaCO ₃	2.6 mg/L	SM 3111-B	0.1	3/30/17	MBN
Carbonate	< 0.1 mg/L as CaCO ₃	SM 2320-B	0.1	3/28/17	VDB
Langelier Index	-1.23 units	SM 2330-B		3/31/17	LJG
pH	8.16 units	SM 4500-H-B	0.01	3/24/17	MBN
Temperature	20 °C	SM 4500-H-B	1	3/24/17	MBN
Total Alkalinity	99.7 mg/L as CaCO ₃	SM 2320-B	0.1	3/28/17	VDB
Total Dissolved Solids	143 mg/L	SM 2540-C	5	3/29/17	ISG

Abbreviations/ References:

ML = Minimum Level = LRL = RL
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 ml = Most Probable Number Index/ 100 ml
Date Analyzed = Date Test Completed



DATA APPROVED FOR RELEASE BY



Colorado Department
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Nitrate and Nitrite as Nitrogen Certified Laboratory Report Form
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Revised 4/13/2015

NOX

Section I (Supplied or Completed by Public Water System)		Section II (Supplied or Completed by Certified Laboratory)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO0121724	Laboratory ID: CO 0015		
System Name: Sterling Ranch MD		Laboratory Name: Colorado Analytical Laboratory	
Contact Person: Mark Volle	Phone #: 719-227-0072	Contact Person: Customer Service	Phone: 303-659-2313
Comments:		Comments:	

Section III (Supplied or Completed by Public Water System)				Section IV (Supplied or Completed by Certified Laboratory)								
Sample Date	Collector	Facility ID On Schedule	Sample Pt ID On Schedule	Confirmation?	Lab Receipt Date	Lab Analysis Date	Laboratory Sample ID #	Analyte	Analytical Method	MCL (mg/L)	Lab MRL (mg/L)	Result (mg/L)
3/23/17	ephanie Schwenk	New Well	New Well	<input type="checkbox"/>	3/24/17	3/24/17	170324007-01	Nitrate Nitrogen	EPA 300.0	10	0.1	BDL
3/23/17	ephanie Schwenk	New Well	New Well	<input type="checkbox"/>	3/24/17	3/24/17	170324007-01	Nitrite Nitrogen	EPA 300.0	1	0.1	BDL

NT: Not Tested
 Lab MRL: Laboratory Minimum Reporting Level
 BDL: Below Laboratory MRL. A less than (<) may also used.

mg/L: Milligrams per Liter
 MCL: Maximum Contaminant Level



Colorado Analytical
LABORATORIES, INC.

Brighton Lab
240 South Main Street
Brighton, CO 80601

Lakewood Lab
12860 W. Cedar Dr, Suite 100A
Lakewood CO 80228

Phone: 303-659-2313
Fax: 303-659-2315

www.coloradolab.com

Drinking Water Chain of Custody

page 2 of 2

Report To Information		Bill To Information (if different from report to)	
Company Name: <u>JDS-Hydro Consultants</u>	Company Name: <u>SR Water</u>	PWSID: <u>CO 0121724</u>	System Name: <u>Serling Ranch MD</u>
Contact Name: <u>Mark Volle</u>	Contact Name: <u>Jim Morley</u>	Address: <u>20 Boulder Crescent</u>	Address: <u>20 Boulder Crescent</u>
Address: <u>545 E. Pikes Peak Ave</u>	Address: <u>20 Boulder Crescent</u>	City: <u>CS</u>	City: <u>CS</u>
State: <u>CO</u>	State: <u>CO</u>	State: <u>CO</u>	State: <u>CO</u>
Zip: <u>80903</u>	Zip: <u>80903</u>	Zip: <u>80903</u>	Zip: <u>80903</u>
Phone: <u>719-227-0072</u>	Phone: <u>3870@caal.com</u>	County: <u>El Paso</u>	County: <u>El Paso</u>
Fax: <u></u>	Email: <u>jmorley@caal.com</u>	Compliance Samples: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Compliance Samples: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Sampler Name: <u>Stephanie Schuster</u>	PO No.: <u></u>	Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

C/L Task No.		PHASE I, II, V Drinking Water Analyses (check analysis)														Subcontract Analyses																	
170324007																																	
ARF																																	
Date	Time	Client Sample ID / EP Code	No. of Containers	Residual Chlorine (mg/L)	P/A Samples Only	Total Coliform P/A	504.1 EDB/BCP	505 Pests/PCBs	515.4 Herbicides	525.2 SOCs-Pest	531.1 Carbamates	547 Glyphosate	548.1 Endothal	549.2 Diquat	524.2 THMs	552.2 HAAs	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk./Lang. Index	(TOC, DOC) (Circle)	SUVA, UV 254 (Circle)	Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium				
3-23	8:01	#11	1																														
	8:00	#12	X																														
	8:26	#14	3				X																										
	8:18	#15	2																														
	8:12	#16 (1,4 Dioxane)	3																														
	8:23	#17	2																														
	8:24	#18	2																														
	8:15	#19	3																														
	8:29	#20	3																														
Instructions:																																	
		C/S Info:														Seals Present Yes <input type="checkbox"/> No <input type="checkbox"/> Headspace Yes <input type="checkbox"/> No <input type="checkbox"/>																	
		Delivered Via: <input type="checkbox"/> C/S Charge <input type="checkbox"/> Temp. °C/Ice														Sample Pres. Yes <input type="checkbox"/> No <input type="checkbox"/>																	
		Retinquired By: <u>[Signature]</u> Date/Time: <u>3-23 11:30am</u>														Received By: <u>[Signature]</u> Date/Time: <u></u>																	



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Revised 4/13/2015

VOC/SOC

Section I (Supplied or Completed by Public Water System)		Section JI (Supplied or Completed by Certified Laboratory)	
Public Water System Information		Certified Laboratory Information	
PWSID#: CO0121724		Laboratory ID: CO 00063	
System Name: Sterling Ranch MD		Laboratory Name: Colorado Analytical Laboratory	
Contact Person: Mark Volle		Contact Person: Customer Service	Phone: 303-659-2313
Comments:		Comments:	
Do Samples Need to be Compositied BY THE LAB? <input type="checkbox"/>			

Section V (Supplied or Completed by Public Water System)		Section VI Synthetic Organic Chemicals (Supplied or Completed by Certified Laboratory)		Section VII (Supplied or Completed by Public Water System)				
Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name	CAS No	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)
3/24/17	4/3/17	170324007-01E	Dibromochloropropane	96-12-8	EPA 504.1	0.2	0.02	BDL
3/24/17	3/29/17	170324007-01G	2,4-D	94-75-7	EPA 515.4	70	0.1	BDL
3/24/17	3/29/17	170324007-01G	2,4,5-TP	93-72-1	EPA 515.4	50	0.2	BDL
3/24/17	3/31/17	170324007-01I	Alachlor	15972-60-8	EPA 525.2	2	0.2	BDL
3/24/17	3/31/17	170324007-01J	Aldicarb	116-06-3	EPA 531.1	N/A	0.6	BDL
3/24/17	3/31/17	170324007-01J	Aldicarb sulfone	1646-88-4	EPA 531.1	N/A	1	BDL
3/24/17	3/31/17	170324007-01J	Aldicarb sulfoxide	1646-87-3	EPA 531.1	N/A	0.7	BDL
3/24/17	3/31/17	170324007-01I	Atrazine	1912-24-9	EPA 525.2	3	0.1	BDL
3/24/17	3/31/17	170324007-01I	Benzo(a)pyrene	50-32-8	EPA 525.2	0.2	0.02	BDL
3/24/17	3/31/17	170324007-01J	Carbofuran	1563-66-2	EPA 531.1	40	0.9	BDL
3/24/17	3/30/17	170324007-01F	Chlordane	57-74-9	EPA 505	2	0.2	BDL
3/24/17	3/29/17	170324007-01G	Delapon	75-99-0	EPA 515.4	200	1	BDL
3/24/17	3/31/17	170324007-01I	Di(2-ethylhexyl)adipate	103-23-1	EPA 525.2	400	0.6	BDL
3/24/17	3/31/17	170324007-01I	Di(2-ethylhexyl)phthalate	117-81-7	EPA 525.2	6	0.6	BDL
3/24/17	3/29/17	170324007-01G	Dinoseb	85-85-7	EPA 515.4	7	0.2	BDL
3/24/17	3/24/17	170324007-01L	Diquat	85-00-7	EPA 549.2	20	0.4	BDL
3/24/17	3/29/17	170324007-01K	Endothall	145-73-3	EPA 548.1	100	9	BDL
3/24/17	3/30/17	170324007-01F	Endrin	72-20-8	EPA 505	2	0.01	BDL
3/24/17	4/3/17	170324007-01E	Ethylene dibromide	106-93-4	EPA 504.1	0.05	0.01	BDL
3/24/17	3/31/17	170324007-01I	Heptachlor	76-44-8	EPA 525.2	0.4	0.04	BDL
3/24/17	3/30/17	170324007-01F	Heptachlor epoxide	1024-57-3	EPA 505	0.2	0.02	BDL

NT: Not Tested ug/L; Micrograms per Liter MCL: Maximum Contaminant Level BDL: Below Laboratory MRL A less than sign (<) may also be used.

PWSID#: CO0121724		Section V (Supplied or Completed by Public Water System)						
Sample Date:	3/23/17	Collector:	Stephanie Schwenk	Facility ID (On Schedule):	New Well	Sample Pt ID (On Schedule):	New Well	
Section VI Synthetic Organic Chemicals (Supplied or Completed by Certified Laboratory)		Lab Sample ID	Analyte Name	CAS No.	Analytical Method	MCL (ug/L)	Lab MRL (ug/L)	Result (ug/L)
3/24/17	170324007-01F	170324007-01F	Hexachlorobenzene	118-74-1	EPA 505	1	0.1	BDL
3/24/17	170324007-01F	170324007-01F	Hexachlorocyclopentadiene	77-47-4	EPA 505	50	0.1	BDL
3/24/17	170324007-01F	170324007-01F	Lindane	58-89-9	EPA 505	0.2	0.02	BDL
3/24/17	170324007-01F	170324007-01F	Methoxychlor	72-43-5	EPA 505	40	0.1	BDL
3/24/17	170324007-01J	170324007-01J	Oxamyl	23135-22-0	EPA 531.1	200	1	BDL
3/24/17	170324007-01G	170324007-01G	Pentachlorophenol	87-86-5	EPA 515.4	1	0.04	BDL
3/24/17	170324007-01G	170324007-01G	Picloram	1918-02-1	EPA 515.4	500	0.1	BDL
3/24/17	170324007-01F	170324007-01F	Polychlorinated biphenyl's	1336-36-3	EPA 505	0.5	0.1	BDL
3/24/17	170324007-01I	170324007-01I	Simazine	122-34-9	EPA 525.2	4	0.07	BDL
3/24/17	170324007-01F	170324007-01F	Toxaphene	8001-35-2	EPA 505	3	1	BDL

NT: Not Tested ug/L; Micrograms per Liter MCL: Maximum Contaminant Level BDL Below Laboratory MRL. A less than sign (<) may also be used.

170324007-01 N

2/2
4/21/17



Drinking Water Chain of Custody

page 2 of 2

Report To Information Company Name: <u>JDS-Hydro Consultants</u> Contact Name: <u>Mark Volle</u> Address: <u>545 E. Pikes Peak Ave</u> <u>Suite 300</u> City: <u>CS</u> State: <u>CO</u> Zip: <u>80903</u> Phone: <u>719-227-0072</u> Fax: Email: <u>mvolle@jds-hydro.com</u> Sampler Name: <u>Sophene Schusterke PO No.:</u>		Bill To Information (if different from report to) Company Name: <u>SR Water</u> Contact Name: <u>Jim Morley</u> Address: <u>20 Boulder Crescent</u> <u>City CS</u> State: <u>CO</u> Zip: <u>80903</u> Phone: Fax: Email: <u>jmorley3870@aol.com</u>		State Form / Project Information PWSID: <u>CO 0121724</u> System Name: <u>Serling Ranch MD</u> Address: <u>20 Boulder Crescent</u> City: <u>CS</u> State: <u>CO</u> Zip: <u>80903</u> County: <u>El Paso</u> Compliance Samples: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
--	--	--	--	---	--

Brighton Lab
 240 South Main Street
 Brighton, CO 80601

Lakewood Lab
 12860 W. Cedar Dr, Suite 100A
 Lakewood CO 80228

Phone: 303-659-2313
 Fax: 303-659-2315

www.coloradolab.com

CAL Task No. 170324007		PHASE I, II, V Drinking Water Analyses (check analysis)												Subcontract Analyses																		
ARF		No. of Containers	Residual Chlorine (mg/L)	Total Coliform P/A	504.1 EDB/BCP	505 Pests/PCBs	515.4 Herbicides	525.2 SOCs-Pest	531.1 Carbinates	547 Glyphosate	548.1 Endothal	549.2 Diquat	524.2 THMs	552.2 HAA5s	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk./Lang. Index	(TOC, DOC (Circle))	SUVA, UV 254 (Circle)	X Cyanide	Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium				
3-23	8:01	#11																														
	8:00 am	#12																														
	8:26	#14																														
	8:18	#15																														
	8:12	#16 (1,4 Dioxane)																														
	8:23	#17																														
	8:28	#18																														
	8:15	#19																														
	8:29	#20																														

Instructions:

Retinquired By: [Signature] Date/Time: 3-23 11:30am

Received By: [Signature] Date/Time: 3-23 11:30am

Relinquished By: [Signature] Date/Time: 3-23 11:30am

Delivered Via: C/S Charge Temp. °C/fce Sample Pres. Yes No

Relinquished By: Date/Time:

Seals Present Yes No Headspace Yes No



Radionuclides Certified Laboratory Report Form

Revision 6/13/2014

WQCD – Drinking Water CAS
 4300 Cherry Creek Drive South; Denver, CO 80246-1530
 Fax: (303) 758-1398; cdphe.drinkingwater@state.co.us



Colorado Department
 of Public Health
 and Environment

Section I (Supplied or Completed by Public Water System)

Section II (Supplied or Completed by Certified Laboratory)

Public Water System Information

Certified Laboratory Information

PWS ID: CO0121724

Laboratory ID: CO 00008

System Name: Sterling Ranch MD

Laboratory Name: Hazen Research, Inc.

Contact Person:

Contact Person: Jessica Axen

Phone #:

Phone #: 303-279-4501

Comments:

Comments:

Do Samples Need to be
 Composited BY THE LAB?

Section III (Supplied or Completed by Public Water System)

Sample Date: 03/23/2017 Collector: Facility ID (On Schedule): Sample Pt ID (On Schedule):

Section IV Radionuclides (Supplied or Completed by Certified Laboratory)

Lab Receipt Date	Lab Analysis Date	Lab Sample ID	Analyte Name (Code)	CAS No.	Analytical Method	MCL	Lab MRL	Result
03/24/2017	04/18/2017	C27017-001	Gross Alpha Including Uranium (4002)	12587-46-1	SM 7110 B	N/A	1.5	0.0(±1.5)
			Combined Uranium (4006)	7440-61-1	D2907-97	30 ug/L		
03/24/2017	04/07/2017	C27017-001	Radium -226 (4020)	13982-63-3	SM 7500-Ra B	N/A	0.1	0.4(±0.3)
03/24/2017	03/30/2017	C27017-001	Radium -228 (4030)	15262-20-1	EPA Ra-05	N/A	0.6	0.2(±0.6)
03/24/2017	04/18/2017	C27017-001	Gross Beta (4100)	12587-47-2	SM 7110 B	50 pCi/L.*	2.1	0.0(±2.0)
			Total Dissolved Solids (1930)		EPA 160.3	N/A		

*The MCL for Gross Beta Particle Activity is 4 mrem/year. Since there is no simple conversion between mrem/year and pCi/L EPA considers 50 pCi/L to be the level of concern.

Section V Calculated Values

Calculated Value	Calculated Value
Gross Alpha Excluding Uranium (4000)	15 pCi/L
Combined Radium {-226 & -228} (4010)	5 pCi/L

NT: Not Tested

ug/L: Micrograms per Liter

Lab MRL: Laboratory Minimum Reporting Level

pCi/L: Picoocuries per Liter

BDL: Below Laboratory MRL. A less than sign (<) may also be used

MCL: Maximum Contaminant Level

Report To: Mark Volle

Company: JDS Hydro Consultants
545 E. Pikes Peak Ave
Suite 300
Colorado Springs CO 80903

Bill To: Jim Morley

Company: SR Water
20 Boulder Crescent St.
Colorado Springs CO 80903

Task No.: 170324007
Client PO:
Client Project: Sterling Ranch MD CO0121724

Date Received: 3/24/17
Date Reported: 4/21/17
Matrix: Water - Drinking

Customer Sample ID: Sterling Ranch MD
Sample Date/Time: 3/23/17 8:03 AM
Lab Number: 170324007-01

Facility ID: New Well
Sample Point ID: New Well

Test	Result	Method	ML	Date Analyzed	Analyzed By
Chloride	1.3 mg/L	EPA 300.0	0.1 mg/L	3/24/17	LJG
Cyanide-Free	< 0.005 mg/L	EPA 335.4	0.005 mg/L	3/28/17	VDB
E-Coli	< 1 mpn/100ml	Coli fert	1 mpn/100ml	3/25/17	VDB
Sulfate	10.7 mg/L	EPA 300.0	0.1 mg/L	3/24/17	LJG
Total Coliform	68 mpn/100ml	Coli fert	1 mpn/100ml	3/25/17	VDB
Total Organic Carbon	< 0.5 mg/L	SM 5310-C	0.5 mg/L	3/28/17	ISG
Turbidity	1.08 NTU	SM 2130-B	0.01 NTU	3/24/17	MBN
Total					
Aluminum	0.032 mg/L	EPA 200.8	0.001 mg/L	3/29/17	TCD
Calcium	1.0 mg/L	EPA 200.7	0.1 mg/L	3/29/17	MBN
Copper	< 0.0008 mg/L	EPA 200.8	0.0008 mg/L	3/29/17	TCD
Iron	0.180 mg/L	EPA 200.7	0.005 mg/L	3/30/17	MBN
Lead	0.0002 mg/L	EPA 200.8	0.0001 mg/L	3/29/17	TCD
Magnesium	0.06 mg/L	EPA 200.7	0.02 mg/L	3/29/17	MBN
Manganese	0.0071 mg/L	EPA 200.8	0.0008 mg/L	3/29/17	TCD
Potassium	1.0 mg/L	EPA 200.7	0.1 mg/L	3/29/17	MBN
Silver	< 0.0001 mg/L	EPA 200.8	0.0001 mg/L	3/29/17	TCD
Strontium	0.009 mg/L	EPA 200.8	0.005 mg/L	3/29/17	TCD
Total Hardness	2.7 mg/L as CaCO ₃	SM 2340-B	0.1 mg/L as CaCO ₃	3/30/17	MBN
Uranium	< 0.0002 mg/L	EPA 200.8	0.0002 mg/L	3/29/17	TCD
Zinc	0.002 mg/L	EPA 200.8	0.001 mg/L	3/29/17	TCD

Abbreviations/ References:

ML = Minimum Level = LRL = RL
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 ml = Most Probable Number Index/ 100 ml
Date Analyzed = Date Test Completed



DATA APPROVED FOR RELEASE BY

Analytical Results

TASK NO: 170324007

Report To: Mark Volle

Company: JDS Hydro Consultants
545 E. Pikes Peak Ave
Suite 300
Colorado Springs CO 80903

Bill To: Jim Morley

Company: SR Water
20 Boulder Crescent St.
Colorado Springs CO 80903

Task No.: 170324007
Client PO:
Client Project: Sterling Ranch MD CO0121724

Date Received: 3/24/17
Date Reported: 4/21/17
Matrix: Water - Drinking

Customer Sample ID: Sterling Ranch MD
Sample Date/Time: 3/23/17 8:03 AM
Lab Number: 170324007-01

Facility ID: New Well
Sample Point ID: New Well

Test	Result	Method	ML	Date Analyzed	Analyzed By
<u>Total</u> Zinc	0.002 mg/L	EPA 200.8	0.001 mg/L	3/29/17	TCD

Abbreviations/ References:

ML = Minimum Level = LRL = RL
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpr/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed



DATA APPROVED FOR RELEASE BY



Colorado Analytical
LABORATORIES, INC.

Brighton Lab
240 South Main Street
Brighton, CO 80601

Lakewood Lab
12860 W. Cedar Dr, Suite 100A
Lakewood CO 80228

Phone: 303-659-2313
Fax: 303-659-2315

www.coloradolab.com

Drinking Water Chain of Custody

page 2 of 2

Report To Information		State Form / Project Information	
Company Name: <u>JDS-Hydro Consultants</u>	Company Name: <u>SR Water</u>	PWSID: <u>CO 0121724</u>	
Contact Name: <u>Mark Volle</u>	Contact Name: <u>Jim Morley</u>	System Name: <u>Serling Ranch MD</u>	
Address: <u>545 E. Pikes Peak Ave</u>	Address: <u>20 Boulder Crescent</u>	Address: <u>20 Boulder Crescent</u>	
Suite <u>300</u>			
City <u>CS</u>	State <u>CO</u> Zip <u>80903</u>	City <u>CS</u>	State <u>CO</u> Zip <u>80903</u>
Phone: <u>719-227-0072</u>	Phone: <u>719-227-0072</u>	County: <u>El Paso</u>	
Fax: <u></u>	Fax: <u></u>		
Email: <u>Mvolle@jds-hydro.com</u>	Email: <u>morley3870@aol.com</u>	Compliance Samples: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Sampler Name: <u>Sophene Schuster</u>	PO No.:	Send Forms to State: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

CAL Task No.		PHASE I, II, V Drinking Water Analyses (check analysis)														Subcontract Analyses																			
170324007																																			
ARF																																			
Date	Time	Client Sample ID / BP Code	No. of Containers	Residual Chlorine (mg/L)	P/A Samples Only	Total Coliform P/A	504.1 EDB/D/BCP	505 Pests/PCBs	515.4 Herbicides	515.4 Herbicides	525.2 SOCs-Pest	531.1 Carbinates	547 Glyphosate	548.1 Endothal	549.2 Diquat	524.2 THMs	52.2 HAAs	Lead/Copper	Nitrate	Nitrite	Fluoride	Inorganics	Alk./Lang. Index	(TOC, DOC) (Circle)	SUVA, UV 254 (Circle)	Gross Alpha/Beta	Radium 226	Radium 228	Radon	Uranium					
3-23	8:01	#11	1																																
	8:00	#12	3																																
	8:26	#14	3																																
	8:18	#15	2																																
	8:12	#16 (1,4 Dioxane)	3																																
	8:20	#17	2																																
	8:21	#18	2																																
	8:15	#19	3																																
	8:29	#20	3																																
Instructions:																																			
		C/S Info:														Seals Present Yes <input type="checkbox"/> No <input type="checkbox"/> Headspace Yes <input type="checkbox"/> No <input type="checkbox"/>																			
		Delivered Via: <input type="checkbox"/> C/S Charge <input type="checkbox"/> Temp. °C/Ice														Sample Pres. Yes <input type="checkbox"/> No <input type="checkbox"/>																			
		Relinquished By: <u>[Signature]</u> Date/Time: <u>3-23 11:30am</u>														Received By: <u>[Signature]</u> Date/Time: <u></u>																			



ANALYTICAL SUMMARY REPORT

April 06, 2017

Colorado Analytical Laboratories Inc
PO Drawer 507
Brighton, CO 80601

Work Order: C17030850 Quote ID: C4542 - 624, 625, 1,4-Dioxane
Project Name: 170324007 Sterling Ranch MD

Energy Laboratories, Inc. Casper WY received the following 1 sample for Colorado Analytical Laboratories Inc on 3/28/2017 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C17030850-001	170324007 Sterling Ranch MD	03/23/17 8:03	03/28/17	Groundwater	Azeotropic Distillation Separatory Funnel Liquid-Liquid Ext. Semi-Volatile Organic Compounds 624-Purgeable Organics Volatile Compounds by Azeotropic Distillation

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:


Randy Horton, Project Manager

Digitally signed by
Randy Horton
Date: 2017.04.06 16:31:29 -06:00



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Billings, MT 800.735.4489 • Casper, WY 888.235.0515
Gillette, WY 866.686.7175 • Helena, MT 877.472.0711

CLIENT: Colorado Analytical Laboratories Inc
Project: 170324007 Sterling Ranch MD
Work Order: C17030850

Report Date: 04/06/17

CASE NARRATIVE

Tests associated with analyst identified as ELI-B were subcontracted to Energy Laboratories, 1120 S. 27th St., Billings, MT, EPA Number MT00005.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Colorado Analytical Laboratories Inc
Project: 170324007 Sterling Ranch MD
Lab ID: C17030850-001
Client Sample ID: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Collection Date: 03/23/17 08:03
Date Received: 03/28/17
Matrix: Groundwater

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
----------	--------	-------	------------	----	-------------	--------	--------------------

VOCS BY AZEOTROPIC DISTILLATION

1,4-Dioxane	ND	ug/L		1.0		SW8260M	04/06/17 09:34 / eli-b
-------------	----	------	--	-----	--	---------	------------------------

- Analysis by direct aqueous injection of the sample distillate. A deuterated version of 1,4-Dioxane was added to the sample prior to distillation and used to quantitate the 1,4-Dioxane and account for any variations in the analysis or distillation.

VOLATILE ORGANIC COMPOUNDS

Acetone	ND	ug/L		20		E624	03/31/17 16:09 / eli-b
Acetonitrile	ND	ug/L		20		E624	03/31/17 16:09 / eli-b
Acrolein	ND	ug/L		20		E624	03/31/17 16:09 / eli-b
Acrylonitrile	ND	ug/L		20		E624	03/31/17 16:09 / eli-b
Benzene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Bromobenzene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Bromochloromethane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Bromodichloromethane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Bromoform	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Bromomethane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Carbon disulfide	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Carbon tetrachloride	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Chlorobenzene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Chlorodibromomethane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Chloroethane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
2-Chloroethyl vinyl ether	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Chloroform	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Chloromethane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
2-Chlorotoluene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
4-Chlorotoluene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
1,2-Dibromoethane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Dibromomethane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
1,2-Dichlorobenzene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
1,3-Dichlorobenzene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
1,4-Dichlorobenzene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Dichlorodifluoromethane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
1,1-Dichloroethane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
1,2-Dichloroethane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
1,1-Dichloroethene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
cis-1,2-Dichloroethene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
trans-1,2-Dichloroethene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
1,2-Dichloropropane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
1,3-Dichloropropane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
2,2-Dichloropropane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
1,1-Dichloropropene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
cis-1,3-Dichloropropene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
trans-1,3-Dichloropropene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Ethylbenzene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Colorado Analytical Laboratories Inc
Project: 170324007 Sterling Ranch MD
Lab ID: C17030850-001
Client Sample ID: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Collection Date: 03/23/17 08:03
Date Received: 03/28/17
Matrix: Groundwater

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Methyl tert-butyl ether (MTBE)	ND	ug/L		2.0		E624	03/31/17 16:09 / eli-b
Methyl ethyl ketone	ND	ug/L		20		E624	03/31/17 16:09 / eli-b
Methyl isobutyl ketone	ND	ug/L		10		E624	03/31/17 16:09 / eli-b
Methylene chloride	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Naphthalene	ND	ug/L		0.50		E624	03/31/17 16:09 / eli-b
Styrene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Tetrachloroethene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Toluene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Trichloroethene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
1,1,1-Trichloroethane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
1,1,2-Trichloroethane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Trichlorofluoromethane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
1,2,3-Trichloropropane	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Vinyl Acetate	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Vinyl chloride	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
m+p-Xylenes	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
o-Xylene	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Xylenes, Total	ND	ug/L		1.0		E624	03/31/17 16:09 / eli-b
Surr: 1,2-Dichloroethane-d4	105	%REC		71-139		E624	03/31/17 16:09 / eli-b
Surr: p-Bromofluorobenzene	102	%REC		80-127		E624	03/31/17 16:09 / eli-b
Surr: Toluene-d8	92.0	%REC		80-123		E624	03/31/17 16:09 / eli-b

SEMI-VOLATILE ORGANIC COMPOUNDS

Acenaphthene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Acenaphthylene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Anthracene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Azobenzene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Benzidine	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Benzo(a)anthracene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Benzo(a)pyrene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Benzo(b)fluoranthene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Benzo(g,h,i)perylene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Benzo(k)fluoranthene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
4-Bromophenyl phenyl ether	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Butylbenzylphthalate	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
4-Chloro-3-methylphenol	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
bis(-2-chloroethoxy)Methane	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
bis(-2-chloroethyl)Ether	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
bis(2-chloroisopropyl)Ether	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
2-Chloronaphthalene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
2-Chlorophenol	ND	ug/L		10		E625	03/30/17 17:14 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Colorado Analytical Laboratories Inc
Project: 170324007 Sterling Ranch MD
Lab ID: C17030850-001
Client Sample ID: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Collection Date: 03/23/17 08:03
Date Received: 03/28/17
Matrix: Groundwater

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
4-Chlorophenyl phenyl ether	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Chrysene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Diethyl phthalate	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Di-n-butyl phthalate	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
1,2-Dichlorobenzene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
1,3-Dichlorobenzene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
1,4-Dichlorobenzene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
3,3'-Dichlorobenzidine	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
2,4-Dichlorophenol	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Dimethyl phthalate	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Di-n-octyl phthalate	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Dibenzo(a,h)anthracene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
2,4-Dimethylphenol	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
4,6-Dinitro-2-methylphenol	ND	ug/L		50		E625	03/30/17 17:14 / eli-b
2,4-Dinitrophenol	ND	ug/L		50		E625	03/30/17 17:14 / eli-b
2,4-Dinitrotoluene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
2,6-Dinitrotoluene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
bis(2-ethylhexyl)Phthalate	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Fluoranthene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Fluorene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Hexachlorobenzene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Hexachlorobutadiene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Hexachlorocyclopentadiene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Hexachloroethane	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Indeno(1,2,3-cd)pyrene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Isophorone	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
n-Nitrosodimethylamine	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
n-Nitroso-di-n-propylamine	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
n-Nitrosodiphenylamine	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
2-Nitrophenol	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
4-Nitrophenol	ND	ug/L		50		E625	03/30/17 17:14 / eli-b
Naphthalene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Nitrobenzene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Pentachlorophenol	ND	ug/L		50		E625	03/30/17 17:14 / eli-b
Phenanthrene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Phenol	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Pyrene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
1,2,4-Trichlorobenzene	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
2,4,6-Trichlorophenol	ND	ug/L		10		E625	03/30/17 17:14 / eli-b
Surr: 2-Fluorobiphenyl	61.0	%REC		28-107		E625	03/30/17 17:14 / eli-b
Surr: 2-Fluorophenol	39.0	%REC		20-56		E625	03/30/17 17:14 / eli-b
Surr: Nitrobenzene-d5	63.0	%REC		32-94		E625	03/30/17 17:14 / eli-b
Surr: Phenol-d5	27.0	%REC		19-45		E625	03/30/17 17:14 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Colorado Analytical Laboratories Inc
Project: 170324007 Sterling Ranch MD
Lab ID: C17030850-001
Client Sample ID: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Collection Date: 03/23/17 08:03
Date Received: 03/28/17
Matrix: Groundwater

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
SEMI-VOLATILE ORGANIC COMPOUNDS							
Surr: Terphenyl-d14	70.0	%REC		32-122		E625	03/30/17 17:14 / eli-b
Surr: 2,4,6-Tribromophenol	68.0	%REC		21-130		E625	03/30/17 17:14 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Analytical Run: R277281		
Lab ID: ccv033117	Continuing Calibration Verification Standard						03/31/17 08:45		
Acetone	58.0	ug/L	20	116	70	130			
Acetonitrile	56.4	ug/L	20	113	70	130			
Acrolein	56.4	ug/L	20	113	70	130			
Acrylonitrile	49.6	ug/L	20	99	70	130			
Benzene	5.08	ug/L	0.50	102	70	130			
Bromobenzene	5.04	ug/L	0.50	101	70	130			
Bromochloromethane	5.36	ug/L	0.50	107	70	130			
Bromodichloromethane	4.92	ug/L	0.50	98	70	130			
Bromoform	5.04	ug/L	0.50	101	70	130			
Bromomethane	4.28	ug/L	0.50	86	70	130			
Carbon disulfide	5.32	ug/L	0.50	106	70	130			
Carbon tetrachloride	5.80	ug/L	0.50	116	70	130			
Chlorobenzene	4.56	ug/L	0.50	91	70	130			
Chlorodibromomethane	5.04	ug/L	0.50	101	70	130			
Chloroethane	4.80	ug/L	0.50	96	70	130			
2-Chloroethyl vinyl ether	2.90	ug/L	1.0	58	70	130			S
Chloroform	5.60	ug/L	0.50	112	70	130			
Chloromethane	3.82	ug/L	0.50	76	70	130			
2-Chlorotoluene	5.00	ug/L	0.50	100	70	130			
4-Chlorotoluene	5.44	ug/L	0.50	109	70	130			
1,2-Dibromoethane	4.68	ug/L	0.50	94	70	130			
Dibromomethane	4.96	ug/L	0.50	99	70	130			
1,2-Dichlorobenzene	5.04	ug/L	0.50	101	70	130			
1,3-Dichlorobenzene	5.16	ug/L	0.50	103	70	130			
1,4-Dichlorobenzene	5.00	ug/L	0.50	100	70	130			
Dichlorodifluoromethane	5.20	ug/L	0.50	104	70	130			
1,1-Dichloroethane	4.96	ug/L	0.50	99	70	130			
1,2-Dichloroethane	6.24	ug/L	0.50	125	70	130			
1,1-Dichloroethene	5.12	ug/L	0.50	102	70	130			
cis-1,2-Dichloroethene	4.76	ug/L	0.50	95	70	130			
trans-1,2-Dichloroethene	5.00	ug/L	0.50	100	70	130			
1,2-Dichloropropane	4.88	ug/L	0.50	98	70	130			
1,3-Dichloropropane	4.88	ug/L	0.50	98	70	130			
2,2-Dichloropropane	5.72	ug/L	0.50	114	70	130			
1,1-Dichloropropene	5.44	ug/L	0.50	109	70	130			
cis-1,3-Dichloropropene	4.80	ug/L	0.50	96	70	130			
trans-1,3-Dichloropropene	4.84	ug/L	0.50	97	70	130			
Ethylbenzene	4.88	ug/L	0.50	98	70	130			
Methyl tert-butyl ether (MTBE)	5.20	ug/L	0.50	104	70	130			
Methyl ethyl ketone	54.0	ug/L	20	108	70	130			
Methyl isobutyl ketone	50.4	ug/L	20	101	70	130			
Methylene chloride	5.88	ug/L	0.50	118	70	130			
Naphthalene	5.08	ug/L	0.50	102	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Analytical Run: R277281		
Lab ID: ccv033117	Continuing Calibration Verification Standard							03/31/17 08:45	
Styrene	4.52	ug/L	0.50	90	70	130			
Tetrachloroethene	4.68	ug/L	0.50	94	70	130			
1,1,1,2-Tetrachloroethane	4.72	ug/L	0.50	94	70	130			
1,1,2,2-Tetrachloroethane	4.96	ug/L	0.50	99	70	130			
Toluene	4.76	ug/L	0.50	95	70	130			
Trichloroethene	4.92	ug/L	0.50	98	70	130			
1,1,1-Trichloroethane	5.72	ug/L	0.50	114	70	130			
1,1,2-Trichloroethane	4.72	ug/L	0.50	94	70	130			
Trichlorofluoromethane	4.88	ug/L	0.50	98	70	130			
1,2,3-Trichloropropane	5.24	ug/L	0.50	105	70	130			
Vinyl Acetate	5.32	ug/L	1.0	106	70	130			
Vinyl chloride	4.60	ug/L	0.50	92	70	130			
m+p-Xylenes	9.32	ug/L	0.50	93	70	130			
o-Xylene	4.52	ug/L	0.50	90	70	130			
Xylenes, Total	13.8	ug/L	0.50	92	70	130			
Surr: 1,2-Dichloroethane-d4			0.50	107	71	139			
Surr: p-Bromofluorobenzene			0.50	102	80	127			
Surr: Toluene-d8			0.50	91	80	123			

Method: E624							Batch: R277281		
Lab ID: lcs033117	Laboratory Control Sample					Run: 5971A.l_170331A	03/31/17 09:19		
Acetone	56.0	ug/L	20	112	55	144			
Acetonitrile	56.8	ug/L	20	114	54	142			
Acrolein	42.4	ug/L	20	85	16	233			
Acrylonitrile	48.4	ug/L	20	97	76	127			
Benzene	4.92	ug/L	0.50	98	73	122			
Bromobenzene	4.96	ug/L	0.50	99	74	129			
Bromochloromethane	5.16	ug/L	0.50	103	66	120			
Bromodichloromethane	5.16	ug/L	0.50	103	74	128			
Bromoform	5.12	ug/L	0.50	102	66	128			
Bromomethane	4.76	ug/L	0.50	95	51	123			
Carbon disulfide	5.36	ug/L	0.50	107	46	145			
Carbon tetrachloride	5.72	ug/L	0.50	114	75	125			
Chlorobenzene	4.64	ug/L	0.50	93	80	123			
Chlorodibromomethane	5.32	ug/L	0.50	106	74	125			
Chloroethane	4.48	ug/L	0.50	90	59	142			
2-Chloroethyl vinyl ether	2.62	ug/L	1.0	52	36	144			
Chloroform	5.52	ug/L	0.50	110	68	124			
Chloromethane	3.77	ug/L	0.50	75	53	146			
2-Chlorotoluene	5.08	ug/L	0.50	102	75	131			
4-Chlorotoluene	5.36	ug/L	0.50	107	74	129			
1,2-Dibromoethane	4.64	ug/L	0.50	93	76	124			
Dibromomethane	5.16	ug/L	0.50	103	77	125			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R277281		
Lab ID: Ics033117	Laboratory Control Sample				Run: 5971A.I_170331A		03/31/17 09:19		
1,2-Dichlorobenzene	4.96	ug/L	0.50	99	74	124			
1,3-Dichlorobenzene	5.12	ug/L	0.50	102	77	122			
1,4-Dichlorobenzene	4.96	ug/L	0.50	99	76	126			
Dichlorodifluoromethane	5.60	ug/L	0.50	112	56	146			
1,1-Dichloroethane	4.72	ug/L	0.50	94	74	133			
1,2-Dichloroethane	5.76	ug/L	0.50	115	75	129			
1,1-Dichloroethene	5.16	ug/L	0.50	103	74	132			
cis-1,2-Dichloroethene	4.88	ug/L	0.50	98	81	122			
trans-1,2-Dichloroethene	5.12	ug/L	0.50	102	79	143			
1,2-Dichloropropane	4.80	ug/L	0.50	92	75	126			
1,3-Dichloropropane	4.68	ug/L	0.50	94	71	136			
2,2-Dichloropropane	5.68	ug/L	0.50	114	68	142			
1,1-Dichloropropene	5.00	ug/L	0.50	100	70	131			
cis-1,3-Dichloropropene	4.40	ug/L	0.50	88	74	135			
trans-1,3-Dichloropropene	4.84	ug/L	0.50	97	76	149			
Ethylbenzene	4.96	ug/L	0.50	99	72	130			
Methyl tert-butyl ether (MTBE)	5.12	ug/L	0.50	102	72	120			
Methyl ethyl ketone	52.0	ug/L	20	104	45	130			
Methyl isobutyl ketone	50.8	ug/L	20	102	58	135			
Methylene chloride	6.08	ug/L	0.50	122	66	142			
Naphthalene	5.60	ug/L	0.50	112	69	124			
Styrene	4.56	ug/L	0.50	91	80	124			
Tetrachloroethene	4.72	ug/L	0.50	94	72	131			
1,1,1,2-Tetrachloroethane	4.64	ug/L	0.50	93	78	124			
1,1,2,2-Tetrachloroethane	4.76	ug/L	0.50	95	68	137			
Toluene	4.76	ug/L	0.50	95	72	135			
Trichloroethene	4.80	ug/L	0.50	96	85	126			
1,1,1-Trichloroethane	5.40	ug/L	0.50	108	63	120			
1,1,2-Trichloroethane	4.48	ug/L	0.50	90	78	124			
Trichlorofluoromethane	4.52	ug/L	0.50	90	72	120			
1,2,3-Trichloropropane	4.68	ug/L	0.50	94	64	138			
Vinyl Acetate	4.76	ug/L	1.0	95	31	124			
Vinyl chloride	4.76	ug/L	0.50	95	58	140			
m+p-Xylenes	9.08	ug/L	0.50	91	67	139			
o-Xylene	4.48	ug/L	0.50	90	74	135			
Xylenes, Total	13.6	ug/L	0.50	90	70	137			
Surr: 1,2-Dichloroethane-d4			0.50	109	71	139			
Surr: p-Bromofluorobenzene			0.50	102	80	127			
Surr: Toluene-d8			0.50	92	80	123			
Lab ID: blk033117	Method Blank				Run: 5971A.I_170331A		03/31/17 10:18		
Acetone	ND	ug/L	20						
Acetonitrile	ND	ug/L	20						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 04/06/17

Project: 170324007 Sterling Ranch MD

Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R277281		
Lab ID: blk033117	Method Blank		Run: 5971A.I_170331A				03/31/17 10:18		
Acrolein	ND	ug/L							
Acrylonitrile	ND	ug/L							
Benzene	ND	ug/L			0.50				
Bromobenzene	ND	ug/L			0.50				
Bromochloromethane	ND	ug/L			0.50				
Bromodichloromethane	ND	ug/L			0.50				
Bromoform	ND	ug/L			0.50				
Bromomethane	ND	ug/L			0.50				
Carbon disulfide	ND	ug/L			0.50				
Carbon tetrachloride	ND	ug/L			0.50				
Chlorobenzene	ND	ug/L			0.50				
Chlorodibromomethane	ND	ug/L			0.50				
Chloroethane	ND	ug/L			0.50				
2-Chloroethyl vinyl ether	ND	ug/L			1.0				
Chloroform	ND	ug/L			0.50				
Chloromethane	ND	ug/L			0.50				
2-Chlorotoluene	ND	ug/L			0.50				
4-Chlorotoluene	ND	ug/L			0.50				
1,2-Dibromoethane	ND	ug/L			0.50				
Dibromomethane	ND	ug/L			0.50				
1,2-Dichlorobenzene	ND	ug/L			0.50				
1,3-Dichlorobenzene	ND	ug/L			0.50				
1,4-Dichlorobenzene	ND	ug/L			0.50				
Dichlorodifluoromethane	ND	ug/L			0.50				
1,1-Dichloroethane	ND	ug/L			0.50				
1,2-Dichloroethane	ND	ug/L			0.50				
1,1-Dichloroethene	ND	ug/L			0.50				
cis-1,2-Dichloroethene	ND	ug/L			0.50				
trans-1,2-Dichloroethene	ND	ug/L			0.50				
1,2-Dichloropropane	ND	ug/L			0.50				
1,3-Dichloropropane	ND	ug/L			0.50				
2,2-Dichloropropane	ND	ug/L			0.50				
1,1-Dichloropropene	ND	ug/L			0.50				
cis-1,3-Dichloropropene	ND	ug/L			0.50				
trans-1,3-Dichloropropene	ND	ug/L			0.50				
Ethylbenzene	ND	ug/L			0.50				
Methyl tert-butyl ether (MTBE)	ND	ug/L			0.50				
Methyl ethyl ketone	ND	ug/L			20				
Methyl isobutyl ketone	ND	ug/L			20				
Methylene chloride	ND	ug/L			0.50				
Naphthalene	ND	ug/L			0.50				
Styrene	ND	ug/L			0.50				
Tetrachloroethene	ND	ug/L			0.50				

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R277281		
Lab ID: blk033117	Method Blank		Run: 5971A.I_170331A				03/31/17 10:18		
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50						
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50						
Toluene	ND	ug/L	0.50						
Trichloroethene	ND	ug/L	0.50						
1,1,1-Trichloroethane	ND	ug/L	0.50						
1,1,2-Trichloroethane	ND	ug/L	0.50						
Trichlorofluoromethane	ND	ug/L	0.50						
1,2,3-Trichloropropane	ND	ug/L	0.50						
Vinyl Acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	0.50						
m+p-Xylenes	ND	ug/L	0.50						
o-Xylene	ND	ug/L	0.50						
Xylenes, Total	ND	ug/L	0.50						
Surr: 1,2-Dichloroethane-d4			0.50	105	71	139			
Surr: p-Bromofluorobenzene			0.50	104	80	127			
Surr: Toluene-d8			0.50	92	80	123			
Lab ID: b17031875-001dms							Run: 5971A.I_170331A		
Sample Matrix Spike						03/31/17 14:12			
Acetone	378	ug/L	100	109	55	144			
Acetonitrile	274	ug/L	100	110	54	142			
Benzene	24.6	ug/L	2.5	98	73	122			
Bromobenzene	24.8	ug/L	2.5	99	74	129			
Bromochloromethane	25.2	ug/L	2.5	101	66	120			
Bromodichloromethane	26.2	ug/L	2.5	105	74	128			
Bromoform	27.0	ug/L	2.5	108	66	128			
Bromomethane	18.8	ug/L	2.5	75	51	123			
Carbon disulfide	26.4	ug/L	2.5	106	46	145			
Carbon tetrachloride	28.2	ug/L	2.5	113	75	125			
Chlorobenzene	22.8	ug/L	2.5	91	80	123			
Chlorodibromomethane	26.8	ug/L	2.5	107	74	125			
Chloroethane	20.2	ug/L	2.5	81	59	142			
Chloroform	33.2	ug/L	2.5	110	68	124			
Chloromethane	18.6	ug/L	2.5	74	53	146			
2-Chlorotoluene	24.8	ug/L	2.5	99	75	131			
4-Chlorotoluene	25.8	ug/L	2.5	103	74	129			
1,2-Dibromoethane	24.0	ug/L	2.5	96	76	124			
Dibromomethane	26.2	ug/L	2.5	105	77	125			
1,2-Dichlorobenzene	24.6	ug/L	2.5	98	74	124			
1,3-Dichlorobenzene	24.6	ug/L	2.5	98	77	122			
1,4-Dichlorobenzene	24.6	ug/L	2.5	98	76	126			
Dichlorodifluoromethane	27.0	ug/L	2.5	108	56	146			
1,1-Dichloroethane	24.2	ug/L	2.5	97	74	133			
1,2-Dichloroethane	29.2	ug/L	2.5	117	75	129			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R277281		
Lab ID: b17031875-001dms	Sample Matrix Spike		Run: 5971A.I_170331A				03/31/17 14:12		
1,1-Dichloroethene	26.6	ug/L	2.5	106	74	132			
cis-1,2-Dichloroethene	24.4	ug/L	2.5	98	81	122			
trans-1,2-Dichloroethene	25.8	ug/L	2.5	103	79	143			
1,2-Dichloropropane	23.0	ug/L	2.5	92	75	126			
1,3-Dichloropropane	22.4	ug/L	2.5	90	71	136			
2,2-Dichloropropane	28.0	ug/L	2.5	112	68	142			
1,1-Dichloropropene	25.2	ug/L	2.5	101	70	131			
cis-1,3-Dichloropropene	22.2	ug/L	2.5	89	74	135			
trans-1,3-Dichloropropene	24.6	ug/L	2.5	98	76	149			
Ethylbenzene	23.6	ug/L	2.5	94	72	130			
Methyl tert-butyl ether (MTBE)	25.6	ug/L	2.5	102	72	120			
Methyl ethyl ketone	268	ug/L	100	107	45	130			
Methyl isobutyl ketone	258	ug/L	100	103	58	135			
Methylene chloride	32.2	ug/L	2.5	129	66	142			
Naphthalene	27.6	ug/L	2.5	110	69	124			
Styrene	22.4	ug/L	2.5	90	80	124			
Tetrachloroethene	22.8	ug/L	2.5	91	72	131			
1,1,1,2-Tetrachloroethane	23.0	ug/L	2.5	92	78	124			
1,1,2,2-Tetrachloroethane	26.0	ug/L	2.5	104	68	137			
Toluene	24.4	ug/L	2.5	95	72	135			
Trichloroethene	23.8	ug/L	2.5	95	85	126			
1,1,1-Trichloroethane	26.8	ug/L	2.5	107	63	120			
1,1,2-Trichloroethane	23.4	ug/L	2.5	94	78	124			
Trichlorofluoromethane	21.2	ug/L	2.5	85	72	120			
1,2,3-Trichloropropane	26.2	ug/L	2.5	105	64	138			
Vinyl Acetate	24.4	ug/L	5.0	98	31	124			
Vinyl chloride	22.6	ug/L	2.5	90	58	140			
m+p-Xylenes	44.8	ug/L	2.5	90	67	139			
o-Xylene	22.6	ug/L	2.5	90	74	135			
Xylenes, Total	67.4	ug/L	2.5	90	70	137			
Surr: 1,2-Dichloroethane-d4			2.5	110	71	139			
Surr: p-Bromofluorobenzene			2.5	102	80	127			
Surr: Toluene-d8			2.5	93	80	123			
Lab ID: b17031875-001dmsd	Sample Matrix Spike Duplicate		Run: 5971A.I_170331A				03/31/17 15:11		
Acetone	410	ug/L	100	122	55	144	8.1	20	
Acetonitrile	262	ug/L	100	105	54	142	4.5	20	
Benzene	25.0	ug/L	2.5	100	73	122	1.6	20	
Bromobenzene	25.6	ug/L	2.5	102	74	129	3.2	20	
Bromochloromethane	25.2	ug/L	2.5	101	66	120	0.0	20	
Bromodichloromethane	27.2	ug/L	2.5	109	74	128	3.7	20	
Bromoform	28.4	ug/L	2.5	114	66	128	5.1	20	
Bromomethane	20.8	ug/L	2.5	83	51	123	10	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624							Batch: R277281		
Lab ID: b17031875-001dmsd	Sample Matrix Spike Duplicate		Run: 5971A.I_170331A				03/31/17 15:11		
Carbon disulfide	25.6	ug/L	2.5	102	46	145	3.1	20	
Carbon tetrachloride	28.6	ug/L	2.5	114	75	125	1.4	20	
Chlorobenzene	23.6	ug/L	2.5	94	80	123	3.4	20	
Chlorodibromomethane	28.0	ug/L	2.5	112	74	125	4.4	20	
Chloroethane	20.6	ug/L	2.5	82	59	142	2.0	20	
Chloroform	33.6	ug/L	2.5	111	68	124	1.2	20	
Chloromethane	19.3	ug/L	2.5	77	53	146	3.8	20	
2-Chlorotoluene	26.4	ug/L	2.5	106	75	131	6.2	20	
4-Chlorotoluene	27.2	ug/L	2.5	109	74	129	5.3	20	
1,2-Dibromoethane	24.0	ug/L	2.5	96	76	124	0.0	20	
Dibromomethane	26.8	ug/L	2.5	107	77	125	2.3	20	
1,2-Dichlorobenzene	25.8	ug/L	2.5	103	74	124	4.8	20	
1,3-Dichlorobenzene	26.0	ug/L	2.5	104	77	122	5.5	20	
1,4-Dichlorobenzene	25.4	ug/L	2.5	102	76	126	3.2	20	
Dichlorodifluoromethane	25.8	ug/L	2.5	103	56	146	4.5	20	
1,1-Dichloroethane	24.8	ug/L	2.5	99	74	133	2.4	20	
1,2-Dichloroethane	29.2	ug/L	2.5	117	75	129	0.0	20	
1,1-Dichloroethene	26.8	ug/L	2.5	107	74	132	0.7	20	
cis-1,2-Dichloroethene	25.2	ug/L	2.5	101	81	122	3.2	20	
trans-1,2-Dichloroethene	26.4	ug/L	2.5	106	79	143	2.3	20	
1,2-Dichloropropane	23.6	ug/L	2.5	94	75	126	2.6	20	
1,3-Dichloropropane	23.8	ug/L	2.5	95	71	136	6.1	20	
2,2-Dichloropropane	28.6	ug/L	2.5	114	68	142	2.1	20	
1,1-Dichloropropene	25.8	ug/L	2.5	103	70	131	2.4	20	
cis-1,3-Dichloropropene	23.2	ug/L	2.5	93	74	135	4.4	20	
trans-1,3-Dichloropropene	25.4	ug/L	2.5	102	76	149	3.2	20	
Ethylbenzene	25.0	ug/L	2.5	100	72	130	5.8	20	
Methyl tert-butyl ether (MTBE)	26.6	ug/L	2.5	106	72	120	3.8	20	
Methyl ethyl ketone	292	ug/L	100	117	45	130	8.6	20	
Methyl isobutyl ketone	286	ug/L	100	114	58	135	10	20	
Methylene chloride	31.4	ug/L	2.5	126	66	142	2.5	20	
Naphthalene	27.8	ug/L	2.5	111	69	124	0.7	20	
Styrene	22.8	ug/L	2.5	91	80	124	1.8	20	
Tetrachloroethene	23.8	ug/L	2.5	95	72	131	4.3	20	
1,1,1,2-Tetrachloroethane	23.2	ug/L	2.5	93	78	124	0.9	20	
1,1,2,2-Tetrachloroethane	27.4	ug/L	2.5	110	68	137	5.2	20	
Toluene	24.4	ug/L	2.5	95	72	135	0.0	20	
Trichloroethene	25.0	ug/L	2.5	100	85	126	4.9	20	
1,1,1-Trichloroethane	27.4	ug/L	2.5	110	63	120	2.2	20	
1,1,2-Trichloroethane	24.8	ug/L	2.5	99	78	124	5.8	20	
Trichlorofluoromethane	22.4	ug/L	2.5	90	72	120	5.5	20	
1,2,3-Trichloropropane	26.8	ug/L	2.5	107	64	138	2.3	20	
Vinyl Acetate	24.4	ug/L	5.0	98	31	124	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E624									Batch: R277281
Lab ID: b17031875-001dmsd	Sample Matrix	Spike Duplicate				Run: 5971A.I_170331A			03/31/17 15:11
Vinyl chloride	22.8	ug/L	2.5	91	58	140	0.9	20	
m+p-Xylenes	46.0	ug/L	2.5	92	67	139	2.6	20	
o-Xylene	23.4	ug/L	2.5	94	74	135	3.5	20	
Xylenes, Total	69.4	ug/L	2.5	93	70	137			
Surr: 1,2-Dichloroethane-d4			2.5	112	71	139			
Surr: p-Bromofluorobenzene			2.5	105	80	127			
Surr: Toluene-d8			2.5	93	80	123			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 04/06/17

Project: 170324007 Sterling Ranch MD

Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625							Batch: 107942		
Lab ID: MB-107942	Method Blank		Run: SV5973N2.I_170330B				03/30/17 16:12		
Acenaphthene	ND	ug/L							
Acenaphthylene	ND	ug/L							
Anthracene	ND	ug/L							
Azobenzene	ND	ug/L							
Benzidine	ND	ug/L							
Benzo(a)anthracene	ND	ug/L							
Benzo(a)pyrene	ND	ug/L							
Benzo(b)fluoranthene	ND	ug/L							
Benzo(g,h,i)perylene	ND	ug/L							
Benzo(k)fluoranthene	ND	ug/L							
4-Bromophenyl phenyl ether	ND	ug/L							
Butylbenzylphthalate	ND	ug/L							
4-Chloro-3-methylphenol	ND	ug/L							
bis(-2-chloroethoxy)Methane	ND	ug/L							
bis(-2-chloroethyl)Ether	ND	ug/L							
bis(2-chloroisopropyl)Ether	ND	ug/L							
2-Chloronaphthalene	ND	ug/L							
2-Chlorophenol	ND	ug/L							
4-Chlorophenyl phenyl ether	ND	ug/L							
Chrysene	ND	ug/L							
Diethyl phthalate	ND	ug/L							
Di-n-butyl phthalate	ND	ug/L							
1,2-Dichlorobenzene	ND	ug/L							
1,3-Dichlorobenzene	ND	ug/L							
1,4-Dichlorobenzene	ND	ug/L							
3,3'-Dichlorobenzidine	ND	ug/L							
2,4-Dichlorophenol	ND	ug/L							
Dimethyl phthalate	ND	ug/L							
Di-n-octyl phthalate	ND	ug/L							
Dibenzo(a,h)anthracene	ND	ug/L							
2,4-Dimethylphenol	ND	ug/L							
4,6-Dinitro-2-methylphenol	ND	ug/L							50
2,4-Dinitrophenol	ND	ug/L							50
2,4-Dinitrotoluene	ND	ug/L							10
2,6-Dinitrotoluene	ND	ug/L							10
bis(2-ethylhexyl)Phthalate	ND	ug/L							10
Fluoranthene	ND	ug/L							10
Fluorene	ND	ug/L							10
Hexachlorobenzene	ND	ug/L							10
Hexachlorobutadiene	ND	ug/L							10
Hexachlorocyclopentadiene	ND	ug/L							10
Hexachloroethane	ND	ug/L							10
Indeno(1,2,3-cd)pyrene	ND	ug/L							10

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625							Batch: 107942		
Lab ID: MB-107942	Method Blank		Run: SV5973N2.I_170330B				03/30/17 16:12		
Isophorone	ND	ug/L	10						
n-Nitrosodimethylamine	ND	ug/L	10						
n-Nitroso-di-n-propylamine	ND	ug/L	10						
n-Nitrosodiphenylamine	ND	ug/L	10						
2-Nitrophenol	ND	ug/L	10						
4-Nitrophenol	ND	ug/L	50						
Naphthalene	ND	ug/L	10						
Nitrobenzene	ND	ug/L	10						
Pentachlorophenol	ND	ug/L	50						
Phenanthrene	ND	ug/L	10						
Phenol	ND	ug/L	10						
Pyrene	ND	ug/L	10						
1,2,4-Trichlorobenzene	ND	ug/L	10						
2,4,6-Trichlorophenol	ND	ug/L	10						
Surr: 2-Fluorobiphenyl			10	57	28	107			
Surr: 2-Fluorophenol			10	42	20	56			
Surr: Nitrobenzene-d5			10	62	32	94			
Surr: Phenol-d5			10	30	19	45			
Surr: Terphenyl-d14			10	80	32	122			
Surr: 2,4,6-Tribromophenol			10	68	21	130			
Lab ID: LCS-107942	Laboratory Control Sample		Run: SV5973N2.I_170330B				03/30/17 16:43		
Acenaphthene	89.1	ug/L	10	89	58	99			
Acenaphthylene	84.2	ug/L	10	84	57	96			
Anthracene	75.6	ug/L	10	76	60	107			
Azobenzene	78.0	ug/L	10	78	56	100			
Benzidine	53.1	ug/L	10	53	10	100			
Benzo(a)anthracene	86.4	ug/L	10	86	62	114			
Benzo(a)pyrene	84.7	ug/L	10	85	62	108			
Benzo(b)fluoranthene	89.8	ug/L	10	90	48	127			
Benzo(g,h,i)perylene	87.2	ug/L	10	87	62	121			
Benzo(k)fluoranthene	84.0	ug/L	10	84	55	111			
4-Bromophenyl phenyl ether	87.1	ug/L	10	87	58	105			
Butylbenzylphthalate	90.8	ug/L	10	91	60	113			
4-Chloro-3-methylphenol	74.6	ug/L	10	75	53	92			
bis(2-chloroethoxy)Methane	69.9	ug/L	10	70	50	92			
bis(2-chloroethyl)Ether	72.1	ug/L	10	72	44	82			
bis(2-chloroisopropyl)Ether	63.2	ug/L	10	63	56	87			
2-Chloronaphthalene	84.9	ug/L	10	85	56	95			
2-Chlorophenol	67.2	ug/L	10	67	47	76			
4-Chlorophenyl phenyl ether	83.0	ug/L	10	83	58	99			
Chrysene	87.0	ug/L	10	87	63	106			
Diethyl phthalate	84.6	ug/L	10	85	58	103			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625							Batch: 107942		
Lab ID: LCS-107942	Laboratory Control Sample				Run: SV5973N2.I_170330B		03/30/17 16:43		
Di-n-butyl phthalate	87.1	ug/L	10	87	61	110			
1,2-Dichlorobenzene	69.3	ug/L	10	69	43	81			
1,3-Dichlorobenzene	64.0	ug/L	10	64	41	79			
1,4-Dichlorobenzene	64.5	ug/L	10	64	42	79			
3,3'-Dichlorobenzidine	64.8	ug/L	10	65	51	93			
2,4-Dichlorophenol	70.6	ug/L	10	71	49	90			
Dimethyl phthalate	82.5	ug/L	10	82	58	104			
Di-n-octyl phthalate	93.4	ug/L	10	93	56	110			
Dibenzo(a,h)anthracene	87.8	ug/L	10	88	61	111			
2,4-Dimethylphenol	66.2	ug/L	10	66	45	89			
4,6-Dinitro-2-methylphenol	66.1	ug/L	50	66	37	105			
2,4-Dinitrophenol	54.1	ug/L	50	54	27	81			
2,4-Dinitrotoluene	86.2	ug/L	10	86	63	110			
2,6-Dinitrotoluene	77.2	ug/L	10	77	60	107			
bis(2-ethylhexyl)Phthalate	86.0	ug/L	10	86	56	108			
Fluoranthene	84.2	ug/L	10	84	63	110			
Fluorene	89.3	ug/L	10	89	60	99			
Hexachlorobenzene	82.7	ug/L	10	83	57	103			
Hexachlorobutadiene	71.7	ug/L	10	72	39	83			
Hexachlorocyclopentadiene	81.0	ug/L	10	81	39	91			
Hexachloroethane	65.0	ug/L	10	65	37	75			
Indeno(1,2,3-cd)pyrene	83.2	ug/L	10	83	59	109			
Isophorone	69.8	ug/L	10	70	42	102			
n-Nitrosodimethylamine	36.8	ug/L	10	37	20	45			
n-Nitroso-di-n-propylamine	76.6	ug/L	10	77	49	98			
n-Nitrosodiphenylamine	91.5	ug/L	10	92	61	108			
2-Nitrophenol	72.3	ug/L	10	72	51	96			
4-Nitrophenol	27.4	ug/L	50	27	15	36			
Naphthalene	68.1	ug/L	10	68	48	96			
Nitrobenzene	77.9	ug/L	10	78	51	91			
Pentachlorophenol	72.4	ug/L	50	72	53	109			
Phenanthrene	82.0	ug/L	10	82	58	104			
Phenol	40.6	ug/L	10	41	27	45			
Pyrene	85.0	ug/L	10	85	64	108			
1,2,4-Trichlorobenzene	71.2	ug/L	10	71	49	85			
2,4,6-Trichlorophenol	73.9	ug/L	10	74	47	99			
Surr: 2-Fluorobiphenyl			10	69	28	107			
Surr: 2-Fluorophenol			10	42	20	56			
Surr: Nitrobenzene-d5			10	72	32	94			
Surr: Phenol-d5			10	36	19	45			
Surr: Terphenyl-d14			10	80	32	122			
Surr: 2,4,6-Tribromophenol			10	70	21	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

Table with columns: Analyte, Result, Units, RL, %REC, Low Limit, High Limit, RPD, RPDLimit, Qual. Includes Method: E625, Lab ID: C17030850-001CMS, Sample Matrix Spike, Run: SV5973N2.I_170330B, Batch: 107942, and 30 analyte rows with various results and limits.

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 04/06/17

Project: 170324007 Sterling Ranch MD

Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625							Batch: 107942		
Lab ID: C17030850-001CMS	Sample Matrix Spike		Run: SV5973N2.I_170330B				03/30/17 17:45		
Isophorone	71.4	ug/L	10	71	42	102			
n-Nitrosodimethylamine	26.1	ug/L	10	26	20	45			
n-Nitroso-di-n-propylamine	76.1	ug/L	10	76	49	98			
n-Nitrosodiphenylamine	105	ug/L	10	105	61	108			
2-Nitrophenol	73.5	ug/L	10	74	51	96			
4-Nitrophenol	25.8	ug/L	50	26	15	36			
Naphthalene	75.6	ug/L	10	76	48	96			
Nitrobenzene	75.6	ug/L	10	76	51	91			
Pentachlorophenol	60.3	ug/L	50	60	53	109			
Phenanthrene	83.8	ug/L	10	84	58	104			
Phenol	38.7	ug/L	10	39	27	45			
Pyrene	87.0	ug/L	10	87	64	108			
1,2,4-Trichlorobenzene	74.7	ug/L	10	75	49	85			
2,4,6-Trichlorophenol	68.8	ug/L	10	69	47	99			
Surr: 2-Fluorobiphenyl			10	51	28	107			
Surr: 2-Fluorophenol			10	41	20	56			
Surr: Nitrobenzene-d5			10	64	32	94			
Surr: Phenol-d5			10	33	19	45			
Surr: Terphenyl-d14			10	73	32	122			
Surr: 2,4,6-Tribromophenol			10	67	21	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc

Report Date: 04/06/17

Project: 170324007 Sterling Ranch MD

Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625							Analytical Run: R277253		
Lab ID: 30-Mar-17_CCV_11	Continuing Calibration Verification Standard						03/30/17 15:40		
Acenaphthene	75.3	ug/L	10	100	80	120			
Acenaphthylene	79.7	ug/L	10	106	80	120			
Anthracene	75.2	ug/L	10	100	80	120			
Azobenzene	75.1	ug/L	10	100	80	120			
Benzidine	70.6	ug/L	10	94	80	120			
Benzo(a)anthracene	76.3	ug/L	10	102	80	120			
Benzo(a)pyrene	81.9	ug/L	10	109	80	120			
Benzo(b)fluoranthene	78.3	ug/L	10	104	80	120			
Benzo(g,h,i)perylene	78.0	ug/L	10	104	80	120			
Benzo(k)fluoranthene	81.6	ug/L	10	109	80	120			
4-Bromophenyl phenyl ether	81.6	ug/L	10	109	80	120			
Butylbenzylphthalate	78.0	ug/L	10	104	80	120			
4-Chloro-3-methylphenol	76.0	ug/L	10	101	80	120			
bis-(2-chloroethoxy)Methane	70.4	ug/L	10	94	80	120			
bis-(2-chloroethyl)Ether	77.2	ug/L	10	103	80	120			
bis(2-chloroisopropyl)Ether	76.7	ug/L	10	102	80	120			
2-Chloronaphthalene	79.8	ug/L	10	106	80	120			
2-Chlorophenol	72.7	ug/L	10	97	80	120			
4-Chlorophenyl phenyl ether	72.7	ug/L	10	97	80	120			
Chrysene	74.9	ug/L	10	100	80	120			
Diethyl phthalate	76.8	ug/L	10	102	80	120			
Di-n-butyl phthalate	76.9	ug/L	10	102	80	120			
1,2-Dichlorobenzene	76.8	ug/L	10	102	80	120			
1,3-Dichlorobenzene	72.1	ug/L	10	96	80	120			
1,4-Dichlorobenzene	74.8	ug/L	10	100	80	120			
3,3'-Dichlorobenzidine	76.2	ug/L	10	102	80	120			
2,4-Dichlorophenol	73.5	ug/L	10	98	80	120			
Dimethyl phthalate	77.0	ug/L	10	103	80	120			
Di-n-octyl phthalate	81.2	ug/L	10	108	80	120			
Dibenzo(a,h)anthracene	76.2	ug/L	10	102	80	120			
2,4-Dimethylphenol	70.3	ug/L	10	94	80	120			
4,6-Dinitro-2-methylphenol	77.4	ug/L	50	103	80	120			
2,4-Dinitrophenol	80.2	ug/L	50	107	80	120			
2,4-Dinitrotoluene	79.8	ug/L	10	106	80	120			
2,6-Dinitrotoluene	80.8	ug/L	10	108	80	120			
bis(2-ethylhexyl)Phthalate	77.3	ug/L	10	103	80	120			
Fluoranthene	76.8	ug/L	10	102	80	120			
Fluorene	82.8	ug/L	10	110	80	120			
Hexachlorobenzene	74.2	ug/L	10	99	80	120			
Hexachlorobutadiene	73.0	ug/L	10	97	80	120			
Hexachlorocyclopentadiene	79.2	ug/L	10	106	80	120			
Hexachloroethane	74.4	ug/L	10	99	80	120			
Indeno(1,2,3-cd)pyrene	73.3	ug/L	10	98	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



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QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E625							Analytical Run: R277253		
Lab ID: 30-Mar-17_CCV_11	Continuing Calibration Verification Standard						03/30/17 15:40		
Isophorone	71.5	ug/L	10	95	80	120			
n-Nitrosodimethylamine	79.5	ug/L	10	106	80	120			
n-Nitroso-di-n-propylamine	76.0	ug/L	10	101	80	120			
n-Nitrosodiphenylamine	77.5	ug/L	10	103	80	120			
2-Nitrophenol	74.6	ug/L	10	99	80	120			
4-Nitrophenol	72.4	ug/L	50	97	80	120			
Naphthalene	68.4	ug/L	10	91	80	120			
Nitrobenzene	77.1	ug/L	10	103	80	120			
Pentachlorophenol	71.7	ug/L	50	96	80	120			
Phenanthrene	70.9	ug/L	10	95	80	120			
Phenol	79.0	ug/L	10	105	80	120			
Pyrene	79.0	ug/L	10	105	80	120			
1,2,4-Trichlorobenzene	73.1	ug/L	10	98	80	120			
2,4,6-Trichlorophenol	71.0	ug/L	10	95	80	120			
Surr: 2-Fluorobiphenyl			10	108	80	120			
Surr: 2-Fluorophenol			10	105	80	120			
Surr: Nitrobenzene-d5			10	101	80	120			
Surr: Phenol-d5			10	102	80	120			
Surr: Terphenyl-d14			10	104	80	120			
Surr: 2,4,6-Tribromophenol			10	105	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Billings, MT Branch

Client: Colorado Analytical Laboratories Inc
Project: 170324007 Sterling Ranch MD

Report Date: 04/06/17
Work Order: C17030850

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: SW8260M								Analytical Run: 108173		
Lab ID: CCV-108173	Continuing Calibration Verification Standard							04/06/17 08:29		
1,4-Dioxane	95.7	ug/L	1.0	96	80	120				
Method: SW8260M								Batch: 108173		
Lab ID: LCS-108173	Laboratory Control Sample							Run: VOA5973A.I_170406A 04/06/17 08:51		
1,4-Dioxane	87.5	ug/L	1.0	88	70	130				
Lab ID: MB-108173	Method Blank							Run: VOA5973A.I_170406A 04/06/17 09:12		
1,4-Dioxane	ND	ug/L	1.0							
Lab ID: C17030850-001AMS	Sample Matrix Spike							Run: VOA5973A.I_170406A 04/06/17 09:55		
1,4-Dioxane	194	ug/L	2.0	97	70	130				
Lab ID: C17030850-001AMSD	Sample Matrix Spike Duplicate							Run: VOA5973A.I_170406A 04/06/17 10:17		
1,4-Dioxane	206	ug/L	2.0	103	70	130	6.0	20		

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Work Order Receipt Checklist

Colorado Analytical Laboratories Inc

C17030850

Login completed by: Corinne Wagner

Date Received: 3/28/2017

Reviewed by: Kasey Vidick

Received by: ckw

Reviewed Date: 3/29/2017

Carrier name: Ground

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all shipping container(s)/cooler(s)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on all sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Not Applicable <input type="checkbox"/>
Container/Temp Blank temperature:	6.6°C On Ice - From Field		
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input checked="" type="checkbox"/>

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as -dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Contact and Corrective Action Comments:

None

Appendix D

INTERIM WASTEWATER TREATMENT AND DISPOSAL AGREEMENT
Special Contract for Service – Outside City Limits

THIS AGREEMENT ("Agreement") is made and entered into this 2 day of August 2019, by and between Colorado Springs Utilities ("Utilities"), an enterprise of the City of Colorado Springs ("City"), a home rule city and Colorado municipal corporation, and Sterling Ranch Metropolitan District No. 1 ("District"), c/o White Bear Ankele Tanaka & Waldron 2154 E. Commons Avenue, Suite 2000, Centennial, Colorado 80122. In this document, Utilities and District can be referred to individually as "Party" or collectively as "Parties."

Recitals

- A. District is a Colorado metropolitan district located generally north of Woodmen Road, east of Vollmer Road, and west of Banning Lewis Parkway in El Paso County. The Service Plan for the District includes provisions for wastewater service for the District. The District's current service area is depicted on Exhibit A hereto. El Paso County approved the Sterling Ranch Sketch Plan in December 2018 for 5,250 lots.
- B. 302 lots have been platted, or are in the process of being platted, within the District's service area pursuant to Homestead at Sterling Ranch Filing Nos. 1 & 2 and Branding Iron at Sterling Ranch Filing Nos. 1 & 2 (the "Platted Lots") as generally depicted on Exhibit B.
- C. The District has requested that Utilities accept and treat District's wastewater flows from the Platted Lots through Utilities' Wastewater Treatment System that are in the process of being developed within the District's service area on an interim basis pending annexation discussions between property owners within the District for annexation of all or a portion of the Sterling Ranch Master Plan area and certain adjacent properties.
- D. Utilities agrees to accept and treat District's wastewater flows generated by the Platted Lots, in accordance with the terms and conditions contained herein.
- E. Utilities has entered into this Agreement pursuant to § 12.5.304 of the Code of the City of Colorado Springs 2001, as amended.

NOW, THEREFORE, FOR GOOD AND VALUABLE CONSIDERATION, INCLUDING THE FOREGOING REPRESENTATIONS, IT IS AGREED AS FOLLOWS:

Article I
General Provisions



- A. **Term.** This Agreement shall become effective upon execution by both Parties and will remain in effect for one (1) year thereafter. This Agreement may be renewed or extended by mutual agreement of both Parties in writing.
- B. **Definitions.** Terms not otherwise defined herein shall have the meaning adopted in the latest amendment to the City Code of Colorado Springs Colorado 2001, as amended ("City Code"). Defined terms are capitalized.
1. **District's Wastewater Collection System:** District's Wastewater Collection System includes any devices, facilities, structures, equipment or works owned by District for the purpose of collection, storage and transmission of wastewater from District's customers.
 2. **Utilities' Wastewater System:** Utilities' Wastewater System includes any devices, facilities, structures, equipment or works owned by Utilities for the purpose of collecting and treating wastewater.
- C. **Colorado Springs City Code Jurisdiction.** District is a user of Colorado Springs' publicly owned treatment works for the purposes of City Code § 12.5.102. In accordance with City Code § 12.5.304, District submits to the jurisdiction of the City of Colorado Springs for the purposes of the enforcement procedures set out in City Code Chapter 12, Article 5. District shall by ordinances or resolutions provide for its customers to submit to the jurisdiction of the City of Colorado Springs for the purposes of the enforcement procedures set out in City Code Chapter 12, Article 5.
- D. **Wastewater Treatment Service.** During the term of this Agreement, Utilities will accept and treat through Utilities' Wastewater System wastewater that originates from inside District's service area from the Platted Lots, the location of which is depicted in Exhibit B, subject to the terms and conditions contained herein. District acknowledges and agrees that Utilities shall have no obligation to accept and treat wastewater under this Agreement that originates from anywhere other than the Platted Lots unless prior approval is received from the Colorado Springs City Council. District further acknowledges and agrees that Utilities shall have no obligation to accept and treat wastewater under this Agreement that originates from the Platted Lots after expiration or termination of this Agreement, unless prior approval is received from the Colorado Springs City Council. This Agreement is for "Contract Service – Outside City Limits," as provided in Utilities' Tariffs. The Utilities' Tariffs and Rules and Regulations shall apply to District, except as otherwise provided in this Agreement.
- E. **Disconnection from Utilities' Wastewater System.** The District acknowledges and agrees that Utilities is providing wastewater service to the District under this Agreement on an interim basis. In the event the terms and conditions of this Agreement are not satisfied, District agrees to diligently pursue the steps necessary to design and construct all infrastructure necessary to connect

A handwritten signature in black ink, appearing to be 'JHM', is located in the bottom right corner of the page.

District's Wastewater Collection System to another wastewater provider and disconnect its system from Utilities' Wastewater System.

1. **Notice.** In the event District disconnects from Utilities' Wastewater System, District shall provide Utilities with notice of the date it intends to disconnect the District's Wastewater Collection System from Utilities' Wastewater System, at least thirty (30) days prior to the proposed disconnection date. District shall also provide Utilities with notice of the actual date it disconnected within one (1) day of the disconnection.
2. **Expenses and Standards.** District shall be solely responsible, financially and otherwise, for designing, constructing and maintaining all infrastructure improvements necessary to connect District's Wastewater Collection System to Utilities' Wastewater System and all infrastructure necessary to complete any disconnection from Utilities' System. Any connection and disconnection from Utilities' Wastewater System shall be made in accordance with Utilities' Line Extension and Service Standards and shall be inspected and approved by Utilities.

F. **Rates, Charges, Surcharges and Fees Payable by District.** District shall pay to Utilities the applicable rates, charges, surcharges and fees for the services provided hereunder. Such charges and fees include, but are not limited to, the applicable Wastewater Development Charge, Treatment Charges, Extra Strength Surcharges, Water Quality Impact Fees, and Wastewater Advanced Recovery Agreement Charges. All charges are provided in Appendix A attached hereto and incorporated herein.

1. **Wastewater Development Charge.** The District shall pay the Outside City Limits Wastewater Development Charge for a three-inch meter as provided in Utilities' Rules and Regulations. District acknowledges and agrees that by paying the Wastewater Development Charge it has no right or claim to receive wastewater service from Utilities other than as provided in this Agreement. Utilities shall have no obligation to provide wastewater service to District hereunder until the Wastewater Development Charge has been paid.
2. **Treatment Charges and Extra Strength Surcharges.** The District shall be responsible for Treatment Charges and Extra Strength Surcharges, as provided in Utilities' Tariff "Contract Service - Outside City Limits (S9C)." Extra Strength Surcharges will be based on twenty-four (24) hour composite samples. Payment of the total monthly bill for Treatment Charges and any applicable Extra Strength Surcharges shall be due within thirty (30) days of receipt thereof. If the bill is not paid within the thirty (30) day period, a deposit will be assessed as outlined in Utilities' Rules and Regulations, which may be changed from time to time by the Colorado Springs City Council.



3. **Water Quality Impact Fee.** Utilities conducts extensive water quality monitoring and studies in the Fountain Creek watershed and implements projects and programs to maintain and enhance conditions within the Fountain Creek Watershed. The District shall pay a Water Quality Impact Fee that will be calculated on a yearly basis based on District's pro rata share of treated wastewater flows.
 4. **Wastewater Advanced Recovery Agreement Charges.** District further acknowledges that properties seeking Utilities' wastewater service are subject to Recovery Agreement Charges and Advanced Recovery Agreement Charges for future infrastructure needed to serve such properties. District agrees to pay the current Wastewater Advanced Recovery Agreement Charge for the Platted Lots.
- G. **Compliance with Requirements.** In all cases where the application or the enforcement of Utilities' requirements, as may be amended, involve technical or scientific analyses or determinations, Utilities shall have final authority as to methods, standards, criteria, significance, evaluation, and interpretation of such analyses and determinations.

Article II
Connection to Utilities' Wastewater System

- A. **Point(s) of Connection of District to Utilities' Wastewater System.** District shall deliver its wastewater to Utilities' Wastewater System at the 8" interconnect to be constructed by District and to be located as depicted on Exhibit C hereto. This connection point, and all other approved new, modified or abandoned connections to Utilities' Wastewater System, if any, shall be made at the sole expense of District in accordance with subsection C below. Utilities shall have no obligation to provide wastewater treatment service hereunder until such interconnect is constructed.
- B. **Responsibility for Cost of District's Wastewater Collection System Extensions.** District, at its own expense and cost, will construct, install, operate and maintain its Wastewater Collection System and any and all extensions of District's Wastewater Collection System or the outfalls therefrom necessary to cause the same to reach to and to deliver wastewater at the point of connection. All connections to Utilities' Wastewater System shall be made in accordance with Utilities' Line Extension and Service Standards and shall be inspected by Utilities.
- C. **Point of Demarcation between District's Wastewater Collection System and Utilities' Wastewater System.** It is understood by the Parties that the point of demarcation between the District's Wastewater Collection System and Utilities' Wastewater System is located at the metering manhole. All infrastructure



upstream of the metering manhole is understood to be owned and maintained by the District. Utilities' Wastewater System begins at the metering manhole.

- D. Discharge Meters and Other Improvements.** District shall be solely responsible, financially and otherwise, for designing, installing, and constructing all infrastructure improvements necessary to connect District's Wastewater Collection System to Utilities' Wastewater System and all other related facilities necessary for use in connection with this Agreement ("Improvements"). The Improvements shall be agreed upon by the Parties and shall be designed, installed and constructed in accordance with Utilities' Line Extension and Service Standards. The improvements shall be located on property owned by the District or in rights-of-way or easements dedicated to the District ("District Property"), unless constructed on land owned by the City of Colorado Springs. Utilities shall have the sole discretion to determine and approve the actual design of the Improvements. District shall, at its own cost and subject to Utilities' approval, locate, design, and construct the Improvements in such a manner and of such material that the Improvements will not at any time be a source of danger to or interference with any of Utilities' structures, facilities, or operations. Upon completion of design, installation and construction of the Improvements, District shall convey and dedicate to Utilities, in a form acceptable to Utilities, ownership of all the Improvements and the right to access and use the District Property for the purposes of operating and maintaining the Improvements. Utilities shall be responsible for the operation, maintenance and repair of all Improvements dedicated and conveyed to it pursuant to this section, including reading the meter. District agrees to reimburse Utilities for its reasonable costs associated with the maintenance and repair of the Improvements conveyed and dedicated to Utilities under this section.
- E. User Charge System.** District shall maintain an approved EPA User Charge System (40 CFR §§ 35.929-2(e) and 35.925-11). Within 10 days after District's Wastewater Collection System is connected to Utilities' Wastewater System, Utilities will notify District of Utilities' classifications, classes and surcharges per class and any other information on revenues, costs and allocation of costs between Biochemical Oxygen Demand ("BOD"), Total Suspended Solids ("TSS"), and flow so as to assure proportional allocation of costs. District shall provide within sixty (60) days of implementation or upon request by Utilities, a report on District's ordinance classes, rates and implementation provisions. District will comply with EPA regulations 40 CFR §§ 32.929-2(f) and 35.2140(c) by advising District's Wastewater Collection System Users in conjunction with a regular bill (or other means acceptable to the EPA Regional Administrator) of their wastewater rate and that portion of the rate attributable to wastewater treatment services. A copy of the notification shall be forwarded to Utilities within sixty (60) days of when District provides such notification to its Wastewater Collection System Users.



F. District's Responsibilities. In addition to other responsibilities and duties provided in this Agreement, District shall be solely responsible for the following:

1. District shall be responsible for the permitting, construction, operation, maintenance, integrity of, and reporting associated with, District's Wastewater Collection System including, but not limited to, air emissions from District's Wastewater Collection System, and spills, leaks, and sanitary sewer overflows (as defined by the United States Environmental Protection Agency ("EPA")) from District's Wastewater Collection System. District shall also be responsible for billing its customers for wastewater service and collecting payments from its customers.
2. District's Wastewater Collection System shall collect only from separate sanitary sewer systems and there shall be no combined sanitary and stormwater systems or stormwater systems connected to District's Wastewater Collection System.
3. District shall require any installation and connection of service lines to District's Wastewater Collection System to be in accordance with the City Code and Utilities' Water and Wastewater Line Extension and Service Standards, as each may be amended, so as to minimize the possibility of damage to Utilities' Wastewater System. District shall perform inspection of all such installations and connections to ensure compliance with the City Code and Utilities' Water and Wastewater Line Extension and Service Standards and Specifications.

Article III
Conditions of Service

A. Discharge Prohibitions, Discharge Limitations and Point of Discharge Limitations.

1. Utilities shall have the right to restrict additional connections and discharges to District's Wastewater Collection System in the event of limitation in Utilities' treatment or collection system capacity.
2. At all times District shall cause all wastewater, which is discharged directly or indirectly into District's Wastewater Collection System or into Utilities' Wastewater System by District or on its behalf, to comply with any requirements of Utilities, as permitted by law.
3. District is prohibited from contributing excess flows that cause or contribute to overflows, flooding or non-compliance with Utilities' Colorado Discharge Permit System ("CDPS") Permit No. CO-0026735.



- B. Submission of Annexation Petition to City.** District shall cause owners of properties included in the Sterling Ranch Master Plan area and the owner of that certain property known, as of the date of this Agreement, as Tax Schedule Number 5200000264 in the records of the El Paso County Tax Assessor, to submit one or more petitions for annexation of all or a portion of such properties into the City in a form acceptable to the City within 90 days of making the connection from District's Wastewater Collection System to Utilities' Wastewater System.
- C. Requirement to Post Bond.** District shall cause a bond to be posted with El Paso County, for the construction of a force sewer main to connect the District's Wastewater Collection System to an alternate wastewater provider in the event this Agreement is not extended or renewed at the end of its term. In the event this Agreement is not extended or renewed Utilities and District shall develop a plan for disconnection of the District's Wastewater Collection System and connect to the alternate wastewater provider. Such bond shall remain in place until such time as the force sewer main is constructed or the annexation is complete.

Article IV

Industrial Pretreatment Program

- A. Delegation of Industrial Pretreatment Program Responsibilities.** District hereby represents and acknowledges that Utilities will administer District's Industrial Pretreatment Program responsibilities required by applicable law including, but not limited to, those responsibilities and obligations set forth in the United States Code of Federal Regulations and Colorado Code of Regulations, and implementing regulations, except for those responsibilities directly related to the obligations reserved to District. District agrees that Utilities will implement its industrial pretreatment responsibilities in accordance with City Code Chapter 12, Article 5, as well as Utilities' *Enforcement Response Plan, Silver Source Control Policies & Procedures Manual, Mercury Source Control Policies & Procedures Manual and Fats, Oil and Grease Policies & Procedures Manual, Liquid Waste Hauler Program Policies and Procedures Manual*, and other related sector control program requirements. District agrees to be responsible for any violations of applicable law for failure of Utilities' Industrial Pretreatment Program meeting applicable law.
- B. Utilities' Right of Prohibition of Connection.** Utilities shall have the right to prohibit any connection to, or discharge into, District's Wastewater Collection System of an Industrial User in accordance with City Code.
- C. Enforcement.** District and Utilities shall each retain their enforcement discretion. Regarding businesses served by District, each Party shall be copied on all notices of violation and administrative orders issued by the other Party. Notwithstanding the above, Utilities has full authority to take enforcement action directly against any customer in District as provided in the City Code.



D. Notification of Enforcement Actions. Utilities shall notify District when assessing penalties, terminating wastewater service, or seeking criminal sanctions against any customer within District's service area. Utilities shall provide District with a status report regarding the compliance of Significant Industrial Users under the Pretreatment Program on or before April 1 of each year.

E. Charges and Fees Related to Industrial Pretreatment Program.

1. **To District.** Utilities may bill District under this Agreement any additional costs associated with the Industrial Pretreatment Program responsibilities delegated to Utilities herein.
2. **To Industrial Users.** All general and special sewer service charges, and other charges levied against Industrial Users by District, shall be retained by District, except as otherwise provided by this Agreement or applicable law. Permit fees shall be retained by Utilities.
3. **Enforcement.** All penalty or other enforcement receipts arising from enforcement actions taken by Utilities against District or District's customers shall be collected and retained by Utilities.

F. District Industrial Pretreatment Responsibilities and Notification Requirements.

1. If the District has a slug discharge as defined in §12.5.201 of the City Code, or a discharge that could cause problems to the Utilities' Wastewater System, Utilities shall be immediately notified. Additionally, a written report shall be submitted within five (5) days of the event detailing the date, time and cause of the slug discharge, the quantity and characteristics of the discharge, and corrective action taken to prevent future slug discharges.
2. District shall submit to Utilities' Industrial Pretreatment Program quarterly an updated inventory of all Industrial Users and commercial customers connected to District's Wastewater Collection System. Such inventory shall include such customer's name, address, Standard Industrial Classification code, and average daily water usage for the previous quarter. Such listing shall include the name and address of the customer and the name of the contracting plumber performing the work.
3. District shall inform Utilities at least two (2) weeks prior to any planned significant change in operations which will affect wastewater characteristics or at least 90 days prior to discharge of any new source of categorical process wastewater. Unplanned changes in wastewater characteristics must be reported within seven (7) days after the change becomes known.

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4. In addition to any reporting requirements District may have to the Colorado Department of Public Health and Environment – Water Quality Control Division (“CDPHE”), District shall immediately copy Utilities on any verbal or written notice to CDPHE of any illicit discharge, spill or overflow from District’s Wastewater Collection System that are required to be reported to CDPHE.
 5. District hereby agrees to comply, and require its customers to comply, with the discharge prohibitions, discharge limitations and points of discharge limitations set forth in City Code §§ 12.5.702, 12.5.703, 12.5.704 A-E, 12.5.801-12.5.811, as may be amended from time to time, and shall prohibit the discharge of waste silver-rich photochemical solutions with total silver concentrations greater than 400 mg/l. District has enacted and shall keep in full force and effect for its customers by ordinances or resolutions limitations that mirror these City Code sections as may be amended from time to time. District shall submit a copy of the most recent discharge ordinance and/or resolution to Utilities by **February 15** of each year, and amendments to said ordinance and/or resolution within 30 days of adoption.
- G. Industrial Pretreatment Notices.** All notices, reports, and submittals required by this **Article IV: Industrial Pretreatment Program** section shall be personally delivered, sent by overnight delivery service, or mailed by certified mail, postage prepaid, return receipt requested, as follows:

Colorado Springs Utilities
Attn: Industrial Pretreatment Program
701 E. Las Vegas St.
Colorado Springs, CO 80903

Article V
Remedies

- A. Liquidated Damages.** To the extent permitted by law, in addition to any and all costs and charges provided herein, and in accordance with City Code § 12.5.304:B.2, District is subject to liquidated damages for violation of provisions of City Code Chapter 12, Article 5, in an amount equal to the penalties imposed pursuant to said Article.
- B. Consequential Damages.** Any discharge of industrial wastewater by District or a District’s customer from the District to Utilities’ Wastewater System shall subject District to consequential damages for breach of contract including, but not limited to, any amounts the City or Utilities may be required to pay for violation of the conditions of Utilities’ CDPS permit where the discharge of District or its customer caused or contributed to the violation.
- C. Breach of Agreement.** Upon any breach of this Agreement, which does not also constitute a breach of City Code Chapter 12, Article 5, Utilities shall have the



immediate right to: (a) seek specific performance; (b) be reimbursed for costs; and (c) be entitled to money damages for the time period between the breach and the order for specific performance. Said rights also apply if liquidated damages, as provided in City Code § 12.5.304:B.2, are unavailable.

- D. **Termination.** District acknowledges and consents to Utilities' right to terminate this Agreement: (1) due to District's breach of a material term or condition of this Agreement, if District has not taken substantial steps to cure the breach within thirty (30) days of receiving written notice of such breach from Utilities; or (2) as otherwise authorized by the City Code or City Council. Utilities will make reasonable efforts to notify District of circumstances that could result in such termination. District may terminate this Agreement due to a material breach on the part of Utilities, if Utilities has not taken substantial steps to cure the breach within thirty (30) days of receiving written notice of such breach from District.

Either Party shall have the right to terminate this Agreement upon giving ninety (90) days written notice to the other Party, in which case District's connection to Utilities' Wastewater System shall be removed at District's sole expense in a manner approved in advance by Utilities and wastewater treatment services discontinued. All outstanding charges owed by District to Utilities are due and payable prior to the disconnection of service. If all outstanding charges owed by District to Utilities are not paid prior to disconnection, District's obligation to make full payment shall survive termination of this Agreement.

- E. **Enforcement of Rights.** Nothing herein shall prevent either Party from enforcing its rights under this Agreement by an appropriate legal or equitable action. District hereby waives any right to claim that the remedies provided hereunder are not available to Utilities in the event of a breach by District.
- F. **Remedies Cumulative.** Remedies herein are cumulative and may be used individually, sequentially, concurrently, or in any order.

Article VI

Miscellaneous

- A. **Return Flows.** District understands that Utilities will account for the amount of effluent resulting from District's wastewater flows into Utilities' Wastewater System, but that Utilities will not be responsible for any tracking, accounting, or use of resulting return flows after discharge from Utilities' Wastewater System.
- B. **Representatives and Notice.** All notices, reports and submittals required by this Agreement, other than those required in the **Article IV: Industrial Pretreatment Program** section shall be in writing and shall be personally delivered, sent by overnight delivery service, or mailed by certified mail, postage prepaid, return receipt requested, as follows:



1. If to Utilities:

- i. Business Account Management: Carol Thomas
COLORADO SPRINGS UTILITIES
Business Account Management
111 S. Cascade Avenue,
PO Box 1103 MC1025
Customer Care Center, 2nd Floor
Colorado Springs, CO 80947-1025
Phone: (719) 668-3854
- ii. City Attorney's Office – Utilities Division
City Attorney's Office
ATTN: City Attorney's Office – Utilities Division
30 South Nevada Ave., Suite 501
P.O. Box 1575, Mail Code 510
Colorado Springs, CO 80901-1575

2. If to District:

- i. James Morley, President
20 Boulder Crescent, Suite 200
Colorado Springs, CO 80903
- ii. Sean Allen
White Bear Ankele Tanaka & Waldron
2154 East Commons Ave, Suite 2000
Centennial, CO 80122
- iii. P.J. Anderson
31 N. Tejon St., Suite 500
Colorado Springs, CO 80903

C. **Force Majeure.** Neither Party hereto shall be liable to the other for any failure, delay, or interruption in performing its obligation hereunder due to causes or conditions beyond its reasonable control, including strikes, riots, wars, floods, fires, explosions, acts of nature, acts of government, labor disturbances, or if such performance would be prohibited or limited by any federal, state, or local law, rule, regulation, order or directive.

D. **Waiver.** No waiver by either Party of any terms or condition of this Agreement shall be deemed or construed as a waiver of any other term or condition, nor shall a waiver of any breach be deemed to constitute a waiver of any subsequent breach, whether of the same or of a different provision of this Agreement.

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- E. **Limitations upon Consent and No Waiver.** Whenever, under the terms of this Agreement, Utilities is authorized to give its written consent, Utilities, in its discretion, may give or may refuse such written consent and, if given, may restrict, limit, or condition such consent in such manner as it shall deem advisable. Acceptance by Utilities into Utilities' Wastewater System from District of wastewater in a volume or with characteristics exceeding or violating any limit or restriction provided for, by or pursuant to this Agreement, in one or more instances or under one or more circumstances, shall not constitute a waiver of such limit or restriction or of any of the provisions of the Agreement and shall not in any way obligate Utilities thereafter to accept or to make provision for wastewater delivered and discharged into Utilities' Wastewater System in a volume or with characteristics exceeding or violating any such limit or restriction in any other instance or under any other circumstances.
- F. **Audits.** Utilities shall have the right to audit at any time all of District's records relating to any new customers to District, or relating to compliance with this Agreement. District shall have the right to audit all Utilities' records relating to compliance with this Agreement.
- G. **Liability.**
1. **Party Responsible for Own Negligence.** Each Party shall be responsible for its own negligence. Neither Party waives the benefits or obligations afforded it by the Colorado Governmental Immunity Act, C.R.S. 24-10-101, *et seq.*
 2. **Utilities' Limitation of Liability.** In addition to force majeure events described in this Agreement, Utilities shall not be liable to District for failure to accept or treat District's wastewater when such failure is the result of upset or mechanical or power failure. Utilities shall have the right to interrupt service and require District to temporarily store and contain wastewater flows to the extent of District's storage capabilities in the event of malfunction or upset of Utilities' facilities. In the event of planned maintenance which will render Utilities' facilities unable to accept District's wastewater, a 48-hour notice shall be given to District, after which District will temporarily store and contain wastewater to the extent of its storage capabilities.
- H. **No Third-Party Beneficiaries.** Enforcement of the terms and conditions of this Agreement, and all rights of action relating to such enforcement, shall be strictly reserved to District and Utilities, and nothing contained in this Agreement shall give or allow any such claim or right of action by any other or third person under such Agreement. It is the express intention of District and Utilities that any person other than District or Utilities receiving services or benefits under this Agreement shall be deemed to be an incidental beneficiary only.



- I. **Severability.** If any provision of this Agreement shall be found to be illegal or unenforceable, the remaining provisions of this Agreement shall remain in full force and effect, and such term or provision shall be deemed stricken for as long as it remains illegal or unenforceable.
- J. **Assignment.** There shall be no assignment of the rights or obligations contained in this Agreement by either Party without the prior written consent by the other Party, and any such assignment shall be null and void. Nothing herein contained, however, shall be construed as preventing the reorganization of any Party hereto nor as preventing any other body corporate and politic succeeding to the rights, privileges, powers, immunities, liabilities, disabilities and duties of either Party hereto, as may be authorized by law, in the absence of any prejudicial impairment of any obligation of contract hereby imposed.
- K. **Appropriation of Funds.** In accord with the Colorado Springs City Charter, performance of Utilities' obligations under this Agreement is expressly subject to appropriation of funds by the City Council. In the event funds are not appropriated in whole or in part sufficient for performance of Utilities' obligations under this Agreement, or appropriated funds may not be expended due to City Charter spending limitations, then this Agreement will thereafter become null and void by operation of law, and Utilities will thereafter have no liability for compensation or damages to the District for future performance and obligations thereafter in excess of Utilities' authorized appropriation for this Agreement or the applicable spending limit, whichever is less. Utilities will notify the District as soon as reasonably practicable in the event of non-appropriation or in the event a spending limit becomes applicable.
- L. **Compliance with Laws and Regulations.** This Agreement and the rights and obligations of the Parties hereunder shall be subject to and in compliance with all applicable laws, orders, court decisions, directives, ordinances, resolutions, and rules and regulations of Utilities and any other duly constituted governmental body or official having jurisdiction. Nothing contained in the Agreement, however, shall require either Party hereto to comply with any law, the validity of applicability of which shall be contested in good faith and, if necessary or desirable, by appropriate legal proceedings.
- M. **Governing Law.** This Agreement shall be construed in accordance with the laws of the State of Colorado without reference to conflicts of laws, the Colorado Springs City Charter, the City Code of the City of Colorado Springs, and the Colorado Springs Utilities' Rules and Regulations, and Wastewater Tariffs. In the event of litigation, this Agreement shall be enforceable by or against the City of Colorado Springs on behalf of Utilities as provided in the City Code § 12.1.108. In the event of any dispute over the Agreement's terms and conditions, the exclusive venue and jurisdiction for any litigation arising hereunder shall be in the District Court of El Paso County, Colorado and, if necessary for exclusive federal questions, the United States District Court for the District of Colorado.

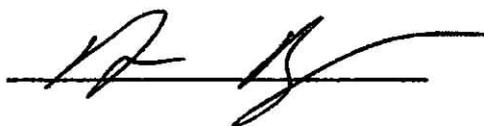
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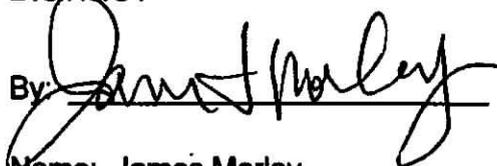
N. **Entire Agreement.** This Agreement with attachments constitutes the entire agreement between the Parties and supersedes all previous written or oral communications, understandings, and agreements between the Parties unless specifically stated herein. This Agreement may only be amended by a written agreement signed by both Parties. E-mail and all other electronic (including voice) communications from Utilities in connection with this Agreement are for informational purposes only. No such communication is intended by Utilities to constitute either an electronic record or an electronic signature, or to constitute any agreement by Utilities to conduct a transaction by electronic means. Any such intention or agreement is hereby expressly disclaimed.

In witness whereof, the representatives of each Party hereto certify via execution below that they are duly authorized to commit their organization to this Agreement in its entirety:

COLORADO SPRINGS UTILITIES

DISTRICT

By: 

By: 

Name: Aram Benyamin

Name: James Morley

Title: Chief Executive Officer

Title: President

Date: 08/12/2019

Date: August 5th, 2019

APPROVED AS TO FORM:

OFFICE OF THE ATTORNEY GENERAL
UTILITIES DIVISION



Exhibit A – Service Area

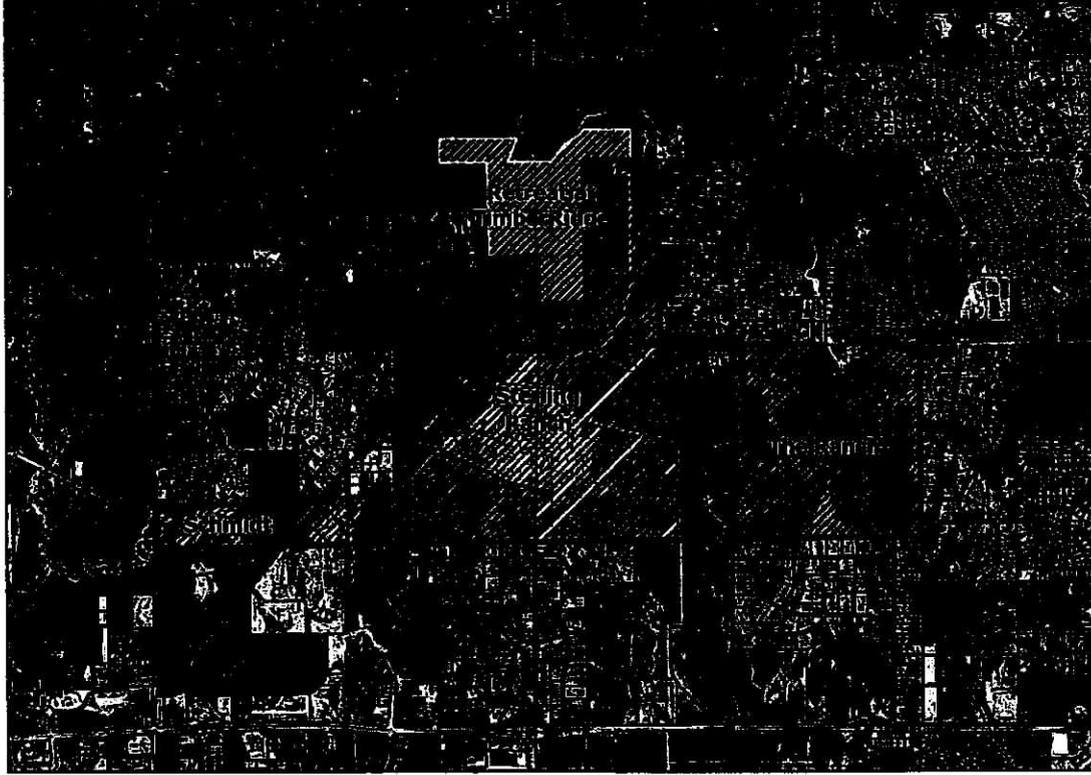
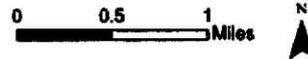
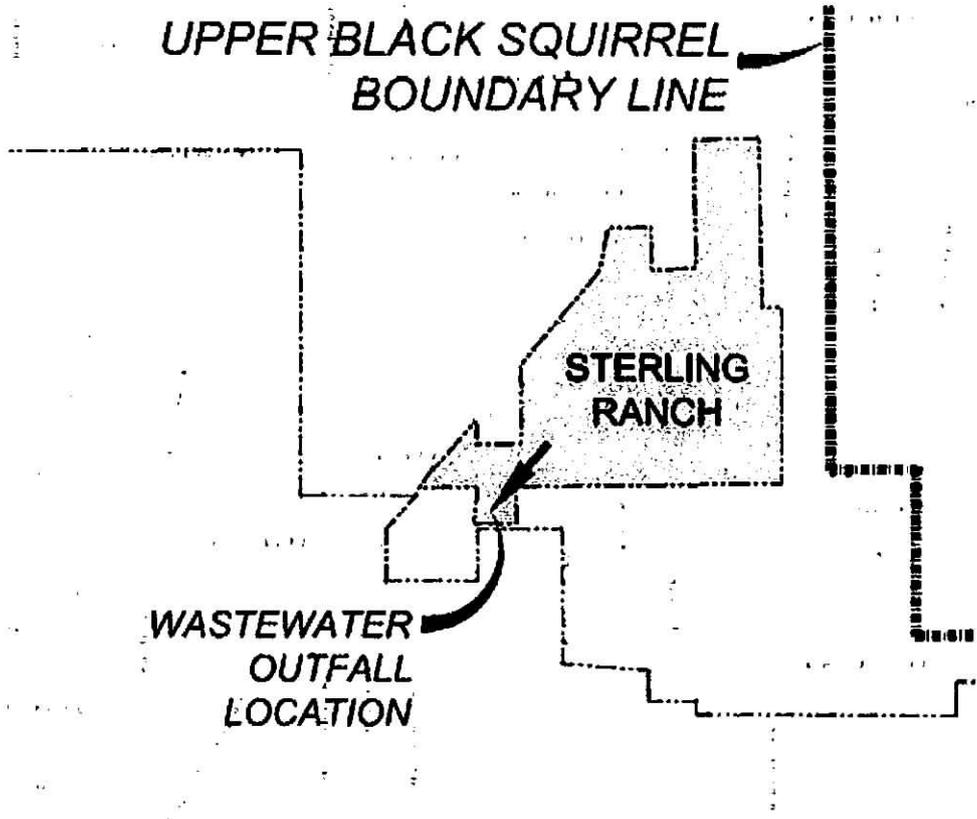


Exhibit A "Sterling Ranch Metropolitan District No. 1 - Service Area"



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Exhibit C – Points of Connection



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Appendix A – Rates, Charges, Surcharges and Fees

- A. **Wastewater Development Charge.** The District shall pay a Wastewater Development Charge of \$39,060.00 upon execution of this Agreement.
- B. **Treatment Charges and Extra Strength Surcharges.** District Agrees to pay Utilities for wastewater service pursuant to this Agreement at the prevailing Contract Service – Outside City Limits Tariff Rate. As of the date of this Agreement, current Charges and Surcharges are as follows:
1. **Treatment Charge** of \$0.0255 per cubic foot (cf) of wastewater collected.
 2. **Extra Strength Surcharges** will be charged to District if discharges of BOD and/or TSS exceed the normal domestic strength. At the time the agreement was signed the prevailing rate for BOD is \$0.0031 per excess BOD billing unit and for TSS is \$0.0017 per excess TSS billing unit.
- C. **Water Quality Impact Fee.** The annual Water Quality Impact Fee will be calculated and billed annually. The annual charge will be based on the District's pro rata share of Utilities' and District's combined yearly wastewater treatment flows, times the cost of Utilities' water quality monitoring and studies and Fountain Creek watershed improvements.
- D. **Wastewater Advanced Recovery Agreement Charges.** The Wastewater Recovery Agreement Charges and Advanced Recovery Agreement Charges based on the number of Single Family Equivalent Units for a three-inch meter total \$9,896.21.

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