PRELIMINARY DRAINAGE REPORT

for

PEAKS RECOVERY

1785/1865 Old Ranch Road
Colorado Springs, Colorado

January 2020

Prepared for:

Peaks Recovery Centers, LLC
2270 La Montana Way
Colorado Springs, CO 80918
Contact: Christopher Burns
(719) 476-1296

Prepared by:

Drexel, Barrell & Co.
3 South Seventh Street
Colorado Springs, CO 80905
Contact: Tim McConnell, P.E.
(719) 260-0887

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APPENDICES

FINAL DRAINAGE REPORT

for

PEAKS RECOVERY

1.0 CERTIFICATION STATEMENTS

Engineer's Statement

This report and plan for the drainage design of Peaks Recovery was prepared by me (or under my direct supervision) and is correct to the best of my knowledge and belief. Said report and plan has been prepared in accordance with the City of Colorado Springs Drainage Criteria Manual and is in conformity with the master plan of the drainage basin. I understand that the City of Colorado Springs does not and will not assume liability for drainage facilities designed by others. I accept responsibility for any liability caused by any negligent acts, errors or omissions on my part in preparing this report.

SIGNATURE (Affix Seal):_____

For and on behalf of Drexel, Barrell & Co. Date
Tim D. McConnell, P.E. #33797

Developer's Statement

Peaks Recovery Centers, LLC hereby certifies that the drainage facilities for Peaks Recovery shall be constructed according to the design presented in this report. I understand that the City of Colorado Springs does not and will not assume liability for the drainage facilities designed and/or certified by my engineer and that are submitted to the City of Colorado Springs pursuant to section 7.7.906 of the City Code; and cannot, on behalf of Peaks Recovery, guarantee that the final drainage design review will absolve Peaks Recovery Centers, LLC. and/or their successors and/or assigns of future liability for improper design. I further understand that approval of the final plat does not imply approval of my engineer's drainage design.

_____

Authorized Signature Date
Christopher Burns
Peaks Recovery Centers, LLC

City of Colorado Springs Statement

Filed in accordance with Section 7.7.906 of the Code of the City of Colorado Springs, 2001, as amended.

_____

For City Engineer Date
Conditions:

FINAL DRAINAGE REPORT
for
PEAKS RECOVERY

2.0 PURPOSE

The purpose of this report is to identify the existing and proposed runoff patterns and drainage facilities required for the Peaks Recovery development, and to present the ability to safely route developed storm water to adequate outfalls.

3.0 GENERAL SITE DESCRIPTION

Location

Peaks Recovery is an approximately 9.8 acre site located in Section 28, Township 12 South, Range 66 West of the 6th Principal Meridian in the City of Colorado Springs, County of El Paso, State of Colorado. The site is bounded to the west by part of Lot 6 & 7, Block B Spring Crest Amended Filing, to the south by Lots M, N & P of Spring Crest Filing No. 2, , to the east by Lot 9 & part of Lot 8, Block B, Spring Crest Amended Filing, and to the north by Old Ranch Road.

Site Conditions

The commercial/human services development includes 2 existing residences, with several existing out buildings, and 2 proposed buildings. The site will be used for on-site substance abuse living, treatment and administrative offices.

Soils

According to the Soil Survey of El Paso County Area, Colorado, prepared by the U.S. Department of Agriculture Natural Resources Conservation Service (NCRS), the site is underlain by Columbine gravelly sandy loam and Stapleton-Bernal sandy loams. These soils are classified as hydrological soil groups A and B, and are considered to be well drained with low to medium runoff potential. Runoff coefficients corresponding to group A/B were used for the site drainage analysis.

Climate

This area of El Paso County can be described as the foothills, with total precipitation amounts typical of a semi-arid region. Winters are generally cold and dry, and summers relatively warm and dry. Precipitation ranges from 12 to 14 inches per year, with the majority of this moisture occurring in the spring and summer in the form of rainfall. Thunderstorms are common during the summer months.

Floodplain Statement

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Panel 08041CO506G (December 7, 2018), the developed portion of the site is located in Zone X (Area of minimal flood hazard). The very southern point of the site lies within a designated 100-year floodplain. This area is open space.

4.0 DRAINAGE CRITERIA

The drainage analysis has been prepared in accordance with the current City of Colorado Springs Drainage Criteria Manual. Calculations were performed to determine runoff quantities during the 5-year and 100-year frequency storms for historic and developed conditions using the Rational Method as required for basins containing less than 100 acres.

5.0 EXISTING CONDITION

The Peak Recovery project site is located within the Kettle Creek Drainage Basin. Historically, this site is predominantly natively vegetated open space with two residential dwellings, and associated out-buildings. The site drains in a south & southwesterly direction at approximately between 2-31% with the majority of the surface runoff entering Kettle Creek. See Existing Conditions Map in Appendix.

The Rational Method was used to determine runoff quantities for the 5- and 100-year storm recurrence intervals. See below for a summary runoff table.

Rational Method Runoff Summary

BASIN	AREA (AC)	% IMPERV	Q5 (cfs)	Q100 (cfs)
OS-1	1.78	19%	1.4	4.3
1	5.23	12%	2.9	12.5
2	4.00	11%	2.5	11.0
3	0.53	0%	0.1	1.0

6.0 DEVELOPED CONDITION

Two new buildings are proposed as well as a paved parking area in Basin 1, all other basins will remain in their current condition.

The Rational Method was used to determine runoff quantities for the 5- and 100-year storm recurrence intervals. See below for a summary runoff table.

Rational Method Runoff Summary

BASIN	AREA (AC)	% IMPERV	Q5 (cfs)	Q100 (cfs)
OS-1	1.78	19%	1.2	4.3
1	5.23	22%	4.4	14.8
2	4.00	11%	2.5	11.0
3	0.53	0%	0.1	1.0

Basin OS-1 is located north the north and east of the project site and its flows enter the site into Basin 1.

Basin 1 is on the north end of the project site. Its flows go from east to west and exit the site in historic patterns to the west onto adjacent property, and eventually to Kettle Creek.

Basin 2 is the majority of the southern end of the property. The flows from this basin go from north to south into Kettle Creek at historic rates and pattern. There are no proposed improvements within this basin.

Basin 3 is the very southern portion of the property. The flows from this basin go from south to north into Kettle Creek at historic rates and pattern. There are no proposed improvements within this basin.

7.0 WATER QUALITY DETENTION FACILITY

Less than an acre of land is being disturbed on this property, therefore no water quality or stormwater detention is required. As can be seen above, the flows for Basin 1 are increasing, but minimally.

8.0 FOUR STEP PROCESS

This project conforms to the City of Colorado Springs Four Step Process. The process for this site focuses on reducing runoff volumes, stabilizing drainage ways, and implementing long-term source controls.

1. *Employ Runoff Reduction Practices*: Proposed impervious areas on this site (roofs/asphalt/sidewalk) will sheet flow across landscaped ground as much as possible to slow runoff and increase time of concentration prior to being conveyed offsite to the west. This will minimize directly connected impervious areas within the project site with developed runoff flowing across native/landscaped areas.

2. *Implement BMP's that provide a Water Quality Capture Volume with slow release*: No Water Quality Facility is required due to the disturbance area being less than an acre. The increased flows in Basin 1 are minimal and will not adversely affect

the property to the west with developed runoff flowing across native/landscaped areas.

In addition, a site specific Storm Water Quality and Erosion Control plan and narrative will be submitted and approved by City Engineering prior to any disturbance within the project area.

3. *Stabilize Drainage Ways*: The increased flows in Basin 1 are minimal and as such there will be no adverse effects on the existing drainage ways.

4. *Implement Site Specific and Other Source Control BMP's*: Standard household source control will be utilized in order to minimize potential pollutants entering the storm system. Example source control measures consist of: no outdoor storage, and trash receptacles or contained trash enclosures for each proposed facility.

9.0 GRADING AND EROSION CONTROL PLAN

In accordance with the City of Colorado Springs Drainage Criteria Manual, an Erosion Control Plan was considered as part of this drainage analysis. However, the plan will be submitted as a stand-alone set of drawings at the construction document stage.

10.0 DRAINAGE & BRIDGE FEES

The 9.761-Acre site area lies within the Kettle Creek Drainage Basin, which is a closed basin. Drainage and bridge fees are not required as the site was previously platted.

11.0 CONSTRUCTION COST ESTIMATE

No new storm system items are proposed for this project.

12.0 SUMMARY

Development of Peaks Recovery will not adversely affect surrounding or downstream developments. The majority of the site will be unchanged and will continue with historical drainage patterns and rates. The increase in flow rates in Basin 1 are minimal and will not adversely affect the property to the west nor Kettle Creek.

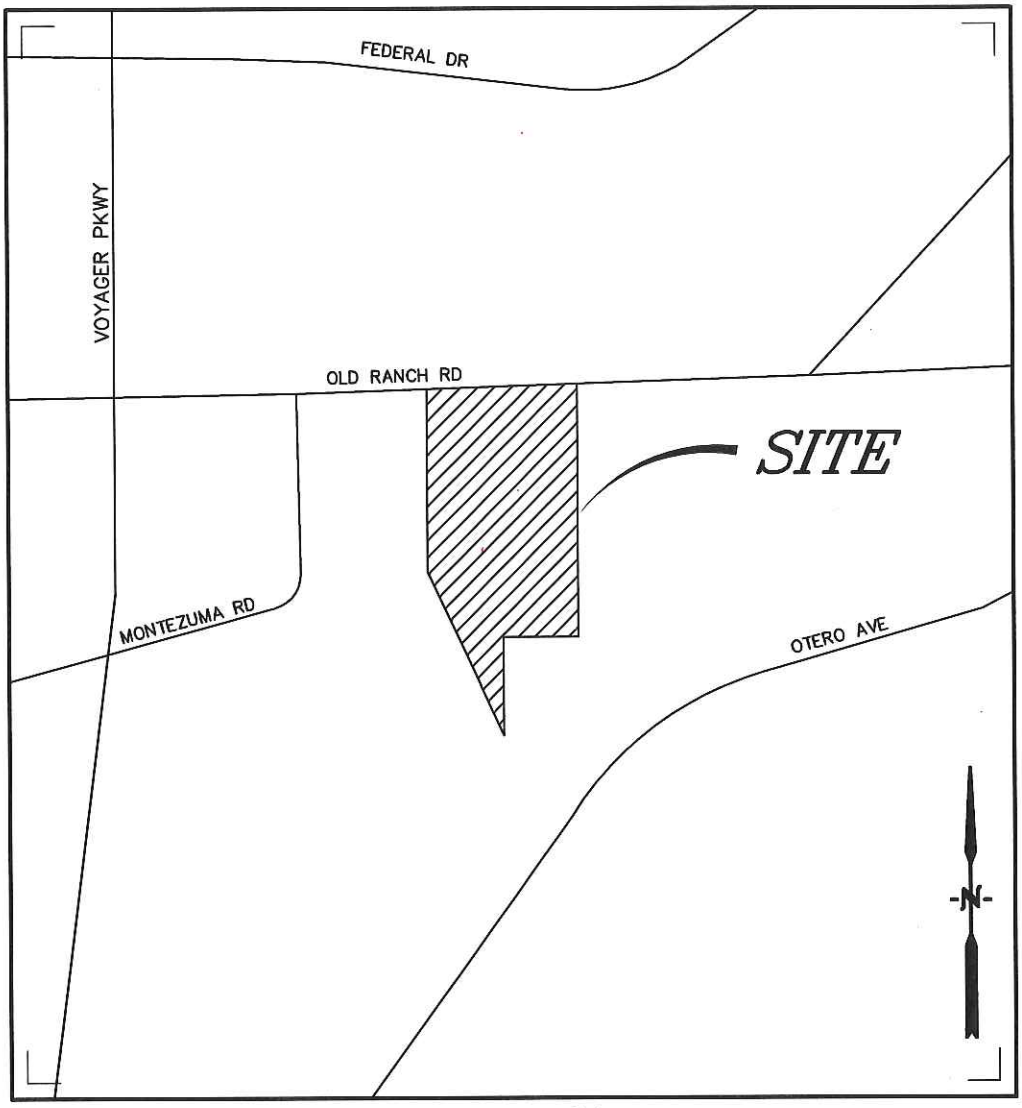
13.0 REFERENCES

The sources of information used in the development of this study are listed below:

1. City of Colorado Springs/El Paso County Drainage Criteria Manual, May 2014.

2. Urban Storm Drainage Criteria Manuals, Urban Drainage and Flood Control District. June 2001, Revised April 2008.

Appendix



Vicinity Map
Not to scale

PEAKS RECOVERY
COLORADO SPRINGS, CO
VICINITY MAP

Drexel, Barrell & Co.
Engineers • Surveyors

DATE:

JOB NO: 21343-00CSCV

DWG. NO. VMAP

SHEET 1 OF 1

Hydrologic Soil Group—El Paso County Area, Colorado

Map Scale: 1:1,670 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 20 40 80 120

Feet: 0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines
- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points
- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: El Paso County Area, Colorado
Survey Area Data: Version 17, Sep 13, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 19, 2018—Sep 23, 2018

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
19	Columbine gravelly sandy loam, 0 to 3 percent slopes	A	6.7	71.2%
85	Stapleton-Bernal sandy loams, 3 to 20 percent slopes	B	2.7	28.8%
Totals for Area of Interest			**9.3**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

National Flood Hazard Layer FIRMette

FEMA

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Are of 1% annual chance flood with averag depth less than one foot or with drainag areas of less than one square mile *Zone*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN — Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zon*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 — Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- 513 — Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximat point selected by the user and does not repres an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/4/2019 at 10:40:25 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

PROJECT INFORMATION

Drexel, Barrell & Co.

PROJECT:	Peaks Recovery
PROJECT NO:	21343-00
DESIGN BY:	SBN
REV. BY:	TDM
AGENCY:	City of Colorado Springs
REPORT TYPE:	Final
DATE:	1/21/2020
Soil Type: A	

	C2*	C5*	C10*	C100*	% IMPERV
Pasture/Meadow		0.08		0.35	0
Roofs		0.73		0.81	90
Asphalt/Sidewalk		0.90		0.96	100

*C-Values and Basin Imperviousness based on Table 6-6, City of Colorado Springs "Drainage Criteria Manual"

EXISTING

SUB-BASIN	SURFACE DESIGNATION	AREA	COMPOSITE RUNOFF COEFFICIENTS				% IMPERV
		ACRE	C2	C5	C10	C100	
OS-1	Pasture/Meadow	1.43		0.08		0.35	0
	Roofs	0.05		0.73		0.81	90
	Asphalt/Sidewalk	0.30		0.90		0.96	100
	WEIGHTED AVERAGE			0.24		0.47	19%
TOTAL OS-1		1.78					
1	Pasture/Meadow	4.61		0.08		0.35	0
	Roofs	0.10		0.73		0.81	90
	Asphalt/Sidewalk	0.52		0.90		0.96	100
	WEIGHTED AVERAGE			0.17		0.42	12%
TOTAL 1		5.23					
2	Pasture/Meadow	3.54		0.08		0.35	0
	Roofs	0.16		0.73		0.81	90
	Asphalt/Sidewalk	0.30		0.90		0.96	100
	WEIGHTED AVERAGE			0.17		0.41	11%
TOTAL 2		4.00					
3	Pasture/Meadow	0.53		0.08		0.35	0
	Roofs	0.00		0.73		0.81	90
	Asphalt/Sidewalk	0.00		0.90		0.96	100
	WEIGHTED AVERAGE			0.08		0.35	0%
TOTAL 3		0.53					
TOTAL SITE		**11.54**		**0.18**		**0.42**	**12.1%**

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AGENCY:	City of Colorado Springs
REPORT TYPE:	Final
DATE:	1/21/2020

RATIONAL METHOD CALCULATIONS FOR STORM WATER RUNOFF

EXISTING TIME OF CONCENTRATION STANDARD FORM SF-2

SUB-BASIN DATA					INITIAL/OVERLAND TIME (t_i)				TRAVEL TIME (t_t)					TIME OF CONC. t_c		FINAL t_c
BASIN	DESIGN PT:	C_5	C_{100}	AREA	LENGTH	HT	SLOPE	t_i	LENGTH	HT	SLOPE	VEL.	t_t	COMP.	MINIMUM	
				Ac	Ft	FT	%	Min	Ft	FT	%	FPS	Min	t_c	t_c	Min
OS-1		0.24	0.47	1.78	300	7	2.3	21.1	145	3	2.1	4.5	0.5	21.6	5	**21.6**
1		0.17	0.42	5.23	220	9	4.1	16.1	435	10	2.3	4.7	1.5	17.6	5	**17.6**
2		0.17	0.41	4.00	300	41	13.7	12.6	95	30	31.6	17.4	0.1	12.7	5	**12.7**
3		0.08	0.35	0.53	300	18	6.0	18.2	15	2	13.3	11.3	0.0	18.2	5	**18.2**

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DATE:	1/21/2020

Drexel, Barrell & Co.

RATIONAL METHOD CALCULATIONS FOR STORM WATER RUNOFF

EXISTING **RUNOFF** **5 YR STORM** **P1=** **1.50**

			DIRECT RUNOFF				
BASIN (S)	**DESIGN POINT**	**AREA (AC)**	**RUNOFF COEFF**	**t_c (MIN)**	**C * A**	**I (IN/HR)**	**Q (CFS)**
OS-1		1.78	0.24	21.6	0.42	2.90	**1.4**
1		5.23	0.17	17.6	0.91	3.21	**2.9**
2		4.00	0.17	12.7	0.67	3.72	**2.5**
3		0.53	0.08	18.2	0.04	3.16	**0.1**

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Drexel, Barrell & Co.

RATIONAL METHOD CALCULATIONS FOR STORM WATER RUNOFF

EXISTING **RUNOFF** **100 YR STORM** **P1=** 2.67

			DIRECT RUNOFF				
BASIN (S)	**DESIGN POINT**	**AREA (AC)**	**RUNOFF COEFF**	**t_c (MIN)**	**C * A**	**I (IN/HR)**	**Q (CFS)**
OS-1		1.78	0.47	21.6	0.83	5.15	**4.3**
1		5.23	0.42	17.6	2.19	5.72	**12.5**
2		4.00	0.41	12.7	1.66	6.63	**11.0**
3		0.53	0.35	18.2	0.19	5.62	**1.0**

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DESIGN BY:	SBN
REV. BY:	TDM
AGENCY:	City of Colorado Springs
REPORT TYPE:	Final
DATE:	1/21/2020
Soil Type: A	

Drexel, Barrell & Co.

	C2*	C5*	C10*	C100*	% IMPERV
Pasture/Meadow		0.08		0.35	0
Roofs		0.73		0.81	90
Asphalt/Sidewalk		0.90		0.96	100

*C-Values and Basin Imperviousness based on Table 6-6, City of Colorado Springs "Drainage Criteria Manual"

PROPOSED

SUB-BASIN	SURFACE DESIGNATION	AREA	COMPOSITE RUNOFF COEFFICIENTS				% IMPERV
		ACRE	C2	C5	C10	C100	
OS-1	Pasture/Meadow	1.43		0.08		0.35	0
	Roofs	0.05		0.73		0.81	90
	Asphalt/Sidewalk	0.30		0.90		0.96	100
	WEIGHTED AVERAGE			0.24		0.47	19%
TOTAL OS-1		1.78					
1	Pasture/Meadow	4.03		0.08		0.35	0
	Roofs	0.51		0.73		0.81	90
	Asphalt/Sidewalk	0.69		0.90		0.96	100
	WEIGHTED AVERAGE			0.25		0.48	22%
TOTAL 1		5.23					
2	Pasture/Meadow	3.54		0.08		0.35	0
	Roofs	0.16		0.73		0.81	90
	Asphalt/Sidewalk	0.30		0.90		0.96	100
	WEIGHTED AVERAGE			0.17		0.41	11%
TOTAL 2		4.00					
3	Pasture/Meadow	0.53		0.08		0.35	0
	Roofs	0.00		0.73		0.81	90
	Asphalt/Sidewalk	0.00		0.90		0.96	100
	WEIGHTED AVERAGE			0.08		0.35	0%
TOTAL 3		0.53					
TOTAL SITE		**11.54**		**0.21**		**0.45**	**16.8%**

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RATIONAL METHOD CALCULATIONS FOR STORM WATER RUNOFF

PROPOSED TIME OF CONCENTRATION STANDARD FORM SF-2

SUB-BASIN DATA					INITIAL/OVERLAND TIME (t_i)				TRAVEL TIME (t_t)					TIME OF CONC. t_c		FINAL t_c
BASIN	DESIGN PT:	C_5	C_{100}	AREA	LENGTH	HT	SLOPE	t_i	LENGTH	HT	SLOPE	VEL.	t_t	COMP.	MINIMUM	
				Ac	Ft	FT	%	Min	Ft	FT	%	FPS	Min	t_c	t_c	Min
OS-1		0.24	0.47	1.78	300	7	2.3	21.1	145	3	2.1	4.5	0.5	21.6	5	**21.6**
1		0.25	0.48	5.23	220	9	4.1	14.7	435	10	2.3	4.7	1.5	16.3	5	**16.3**
2		0.17	0.41	4.00	300	41	13.7	12.6	95	30	31.6	17.4	0.1	12.7	5	**12.7**
3		0.08	0.35	0.53	300	18	6.0	18.2	15	2	13.3	11.3	0.0	18.2	5	**18.2**

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Drexel, Barrell & Co.

RATIONAL METHOD CALCULATIONS FOR STORM WATER RUNOFF

PROPOSED RUNOFF 5 YR STORM P1= 1.50

BASIN (S)	DESIGN POINT	AREA (AC)	DIRECT RUNOFF RUNOFF COEFF	t_c (MIN)	C * A	I (IN/HR)	Q (CFS)
OS-1		1.78	0.24	21.6	0.42	2.90	**1.2**
1		5.23	0.25	16.3	1.32	3.34	**4.4**
2		4.00	0.17	12.7	0.67	3.72	**2.5**
3		0.53	0.08	18.2	0.04	3.16	**0.1**

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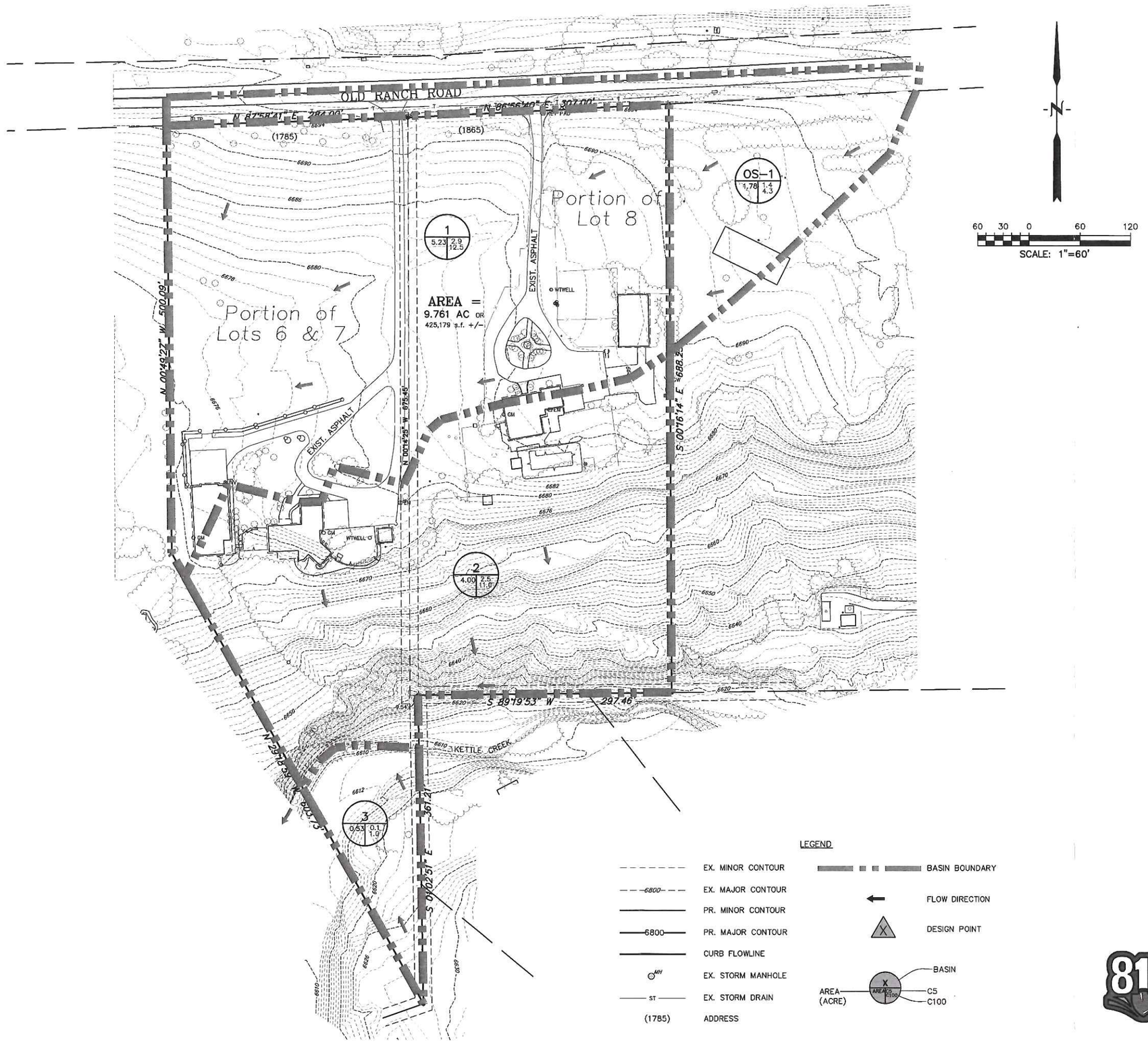
Drexel, Barrell & Co.

RATIONAL METHOD CALCULATIONS FOR STORM WATER RUNOFF

PROPOSED RUNOFF 100 YR STORM P1= 2.67

BASIN (S)	DESIGN POINT	AREA (AC)	DIRECT RUNOFF RUNOFF COEFF	t_c (MIN)	C * A	I (IN/HR)	Q (CFS)
OS-1		1.78	0.47	21.6	0.83	5.15	**4.3**
1		5.23	0.48	16.3	2.49	5.94	**14.8**
2		4.00	0.41	12.7	1.66	6.63	**11.0**
3		0.53	0.35	18.2	0.19	5.62	**1.0**



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PREPARED BY:

DREXEL, BARRELL & CO.
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CONTACT: TIM D. McCONNELL, P.E.
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PEAKS RECOVERY CENTERS
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PEAKS RECOVERY
1785/1865 OLD RANCH ROAD
COLORADO SPRINGS, COLORADO

ISSUE	DATE
INITIAL ISSUE	1/21/20

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DRAWN BY:	GES
CHECKED BY:	TDM
FILE NAME:	21343-00DR01

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

DRAWING SCALE:
HORIZONTAL: 1" = 60'
VERTICAL: N/A

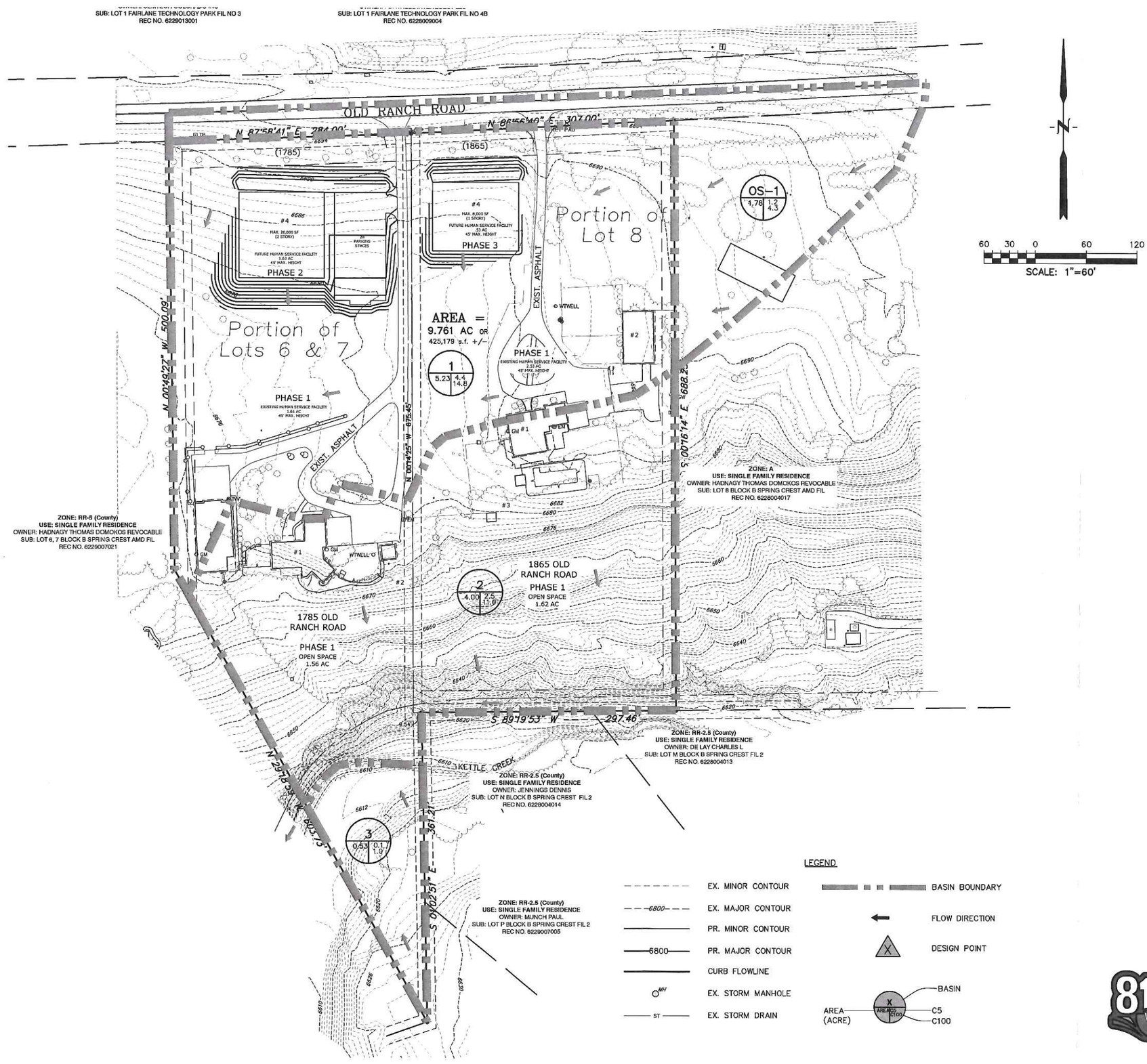
EXISTING DRAINAGE CONDITIONS

PROJECT NO. 21343-00CSCV

DRAWING NO.

DR-1

SHEET: 1 OF 2



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PROPOSED DRAINAGE CONDITIONS

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