WQCV Reduction Calculations

Pond #2 Tributary	
Total Tributary Disturbed Area, SF	2,031,408
Total Impervious Area, SF	1,107,855
Total Pervious Area, SF	923,553
Total DCIA, SF	1,067,076
Total SPA, SF	862,771
Total Tributary percent impervious	54.54%
Upstream impervious area (in blue), SF	40,779
PIA (in green), SF	60,782
WQCV, cf	46,161
Stormwater volume reduction, cf	1,699
Stormwater volume reduction as % of WQCV	4%

Pond #3 Tributary	
Total Tributary Disturbed Area, SF	35,719
Total Impervious Area, SF	21,181
Total Pervious Area, SF	14,538
Total DCIA, SF	21,181
Total SPA, SF	14,538
Total Tributary percent impervious	59.30%
Upstream impervious area (in blue), SF	-
PIA (in green), SF	-
WQCV, cf	883
Stormwater volume reduction, cf	0
Stormwater volume reduction as % of WQCV	0%

Pond #4 Tributary	
Total Tributary Disturbed Area, SF	433,422
Total Impervious Area, SF	272,189
Total Pervious Area, SF	161,233
Total DCIA, SF	251,651
Total SPA,	142,436
Total Tributary percent impervious	62.80%
Upstream impervious area (in blue), SF	20,538
PIA (in green), SF	18,797
WQCV, cf	11,341
Stormwater volume reduction, cf	856
Stormwater volume reduction as % of WQCV	8%

Summary	
Total Site Disturbed Area, SF	2,533,178
Treated Disturbed Area	2,500,549
Untreated Disturbed Area	32,629
Total Impervious Area, SF	1,401,225
Total Pervious Area, SF	1,131,953
Total DCIA, SF	1,339,908
Total SPA, SF	1,052,374
Total Site percent impervious	55.31%
Upstream impervious area (in blue), SF	61,317
PIA (in green), SF	79,579
WQCV, cf	58,384
Stormwater volume reduction, cf	2,555
Stormwater volume reduction as % of WQCV	4%

N

0 20 50 100

SCALE: 1"=100'

DRAINAGE LEGEND

- EXISTING PROPERTY LINE
- PROPOSED PROPERTY LINE
- LOT BOUNDARY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- BASIN BOUNDARY LINE
- PROPOSED STORM SEWER
- PROPOSED STORM STRUCTURES
- EXISTING STORM SEWER
- EXISTING STORM STRUCTURES
- DIRECTION OF RUNOFF
- UNCONNECTED IMPERVIOUS AREA (UIA)
- RECEIVING PERVIOUS AREA (RPA/PIA)
- UNTREATED DISTURBED AREA
- PROPOSED CONCRETE & ASPHALT

POND 2 AREA 12
UIA (BLUE): 1644 SQ. FT.
RPA (GREEN): 2357 SQ. FT.
INTERFACE WIDTH: 331 LF

POND 2 AREA 11
UIA (BLUE): 3893 SQ. FT.
RPA (GREEN): 5538 SQ. FT.
INTERFACE WIDTH: 782 LF

POND 2 AREA 13
UIA (BLUE): 2283 SQ. FT.
RPA (GREEN): 3168 SQ. FT.
INTERFACE WIDTH: 456 LF

POND 2 AREA 10
UIA (BLUE): 16,890 SQ. FT.
RPA (GREEN): 25,991 SQ. FT.
INTERFACE WIDTH: 720 LF

POND 2 AREA 18
UIA (BLUE): 1440 SQ. FT.
RPA (GREEN): 2249 SQ. FT.
INTERFACE WIDTH: 300 LF

POND 2 AREA 17
UIA (BLUE): 690 SQ. FT.
RPA (GREEN): 1145 SQ. FT.
INTERFACE WIDTH: 137 LF

POND 2 AREA 6
UIA (BLUE): 878 SQ. FT.
RPA (GREEN): 1416 SQ. FT.
INTERFACE WIDTH: 175 LF

POND 2 AREA 9
UIA (BLUE): 544 SQ. FT.
RPA (GREEN): 826 SQ. FT.
INTERFACE WIDTH: 108 LF

POND 2 AREA 5
UIA (BLUE): 675 SQ. FT.
RPA (GREEN): 1061 SQ. FT.
INTERFACE WIDTH: 135 LF

POND 2 AREA 14
UIA (BLUE): 2768 SQ. FT.
RPA (GREEN): 3815 SQ. FT.
INTERFACE WIDTH: 554 LF

POND 2 AREA 8
UIA (BLUE): 542 SQ. FT.
RPA (GREEN): 819 SQ. FT.
INTERFACE WIDTH: 108 LF

POND 2 AREA 7
UIA (BLUE): 878 SQ. FT.
RPA (GREEN): 1416 SQ. FT.
INTERFACE WIDTH: 175 LF

POND 2 AREA 15
UIA (BLUE): 3043 SQ. FT.
RPA (GREEN): 4193 SQ. FT.
INTERFACE WIDTH: 608 LF

POND 2 AREA 4
UIA (BLUE): 927 SQ. FT.
RPA (GREEN): 1496 SQ. FT.
INTERFACE WIDTH: 185 LF

POND 2 AREA 16
UIA (BLUE): 925 SQ. FT.
RPA (GREEN): 1470 SQ. FT.
INTERFACE WIDTH: 185 LF

POND 2 AREA 3
UIA (BLUE): 877 SQ. FT.
RPA (GREEN): 1332 SQ. FT.
INTERFACE WIDTH: 175 LF

POND 2 AREA 2
UIA (BLUE): 903 SQ. FT.
RPA (GREEN): 1375 SQ. FT.
INTERFACE WIDTH: 183 LF

POND 2 AREA 1
UIA (BLUE): 979 SQ. FT.
RPA (GREEN): 1115 SQ. FT.
INTERFACE WIDTH: 192 LF

POND 4 AREA 12
UIA (BLUE):526 SQ. FT.
RPA (GREEN):906 SQ. FT.
INTERFACE WIDTH: 103 LF

POND 4 AREA 8
UIA (BLUE):527 SQ. FT.
RPA (GREEN):906 SQ. FT.
INTERFACE WIDTH: 102 LF

POND 4 AREA 10
UIA (BLUE):11,679 SQ. FT.
RPA (GREEN):4523 SQ. FT.
INTERFACE WIDTH: 455 LF

POND 4 AREA 9
UIA (BLUE):467 SQ. FT.
RPA (GREEN):667 SQ. FT.
INTERFACE WIDTH: 93 LF

POND 4 AREA 7
UIA (BLUE):1022 SQ. FT.
RPA (GREEN):1643 SQ. FT.
INTERFACE WIDTH: 203 LF

POND 4 AREA 5
UIA (BLUE):489 SQ. FT.
RPA (GREEN):740 SQ. FT.
INTERFACE WIDTH: 97 LF

POND 4 AREA 1
UIA (BLUE):2381 SQ. FT.
RPA (GREEN):3839 SQ. FT.
INTERFACE WIDTH: 476 LF

POND 4 AREA 11
UIA (BLUE):926 SQ. FT.
RPA (GREEN):1493 SQ. FT.
INTERFACE WIDTH: 185 LF

POND 4 AREA 6
UIA (BLUE):489 SQ. FT.
RPA (GREEN):719 SQ. FT.
INTERFACE WIDTH: 97 LF

POND 4 AREA 3
UIA (BLUE):489 SQ. FT.
RPA (GREEN):784 SQ. FT.
INTERFACE WIDTH: 97 LF

POND 4 AREA 4
UIA (BLUE):489 SQ. FT.
RPA (GREEN):784 SQ. FT.
INTERFACE WIDTH: 97 LF

POND 4: AREA 2
UIA (BLUE):1054 SQ. FT.
RPA (GREEN):1793 SQ. FT.
INTERFACE WIDTH: 236 LF

BRADLEY RIDGE FILING NO. 2
PARCEL:5500005485

BRADLEY RIDGE DR. (MINOR ROAD)

BRADLEY RIDGE DR. (MINOR ROAD) VC NO. 1

50' PRIVATE DRAINAGE EASEMENT

WFJCC POND #2
(PRIVATE – TO BE MAINTAINED BY BRADLEY HEIGHTS METROPOLITAN DISTRICT NO. 2

UNTREATED AREA 1:
20794 SQ. FT.

UNTREATED AREA 2:
11835 SQ. FT.

TELECOM EASEMENT
REC. 179941

Galloway
1155 Kelly Johnson Blvd., Suite 305
Colorado Springs, CO 80920
719.900.7220
GallowayUS.com

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STORM DRAIN
CONSTRUCTION PLANS
FOR ROI PROPERTY GROUP, LLC
BRADLEY RIDGE SUBDIVISION FILING NO. 3

SEC OF BRADLEY RIDGE DR & CAMPO DRIVE
COLORADO SPRINGS, CO

#	Date	Issue / Description	Init.

Project No:	RPG02.20
Drawn By:	CJM
Checked By:	BAS
Date:	JULY 19, 2023

WATER QUALITY MAP

DR-6
Sheet 5 of 5

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