SUMMARY RUNOFF TABLE

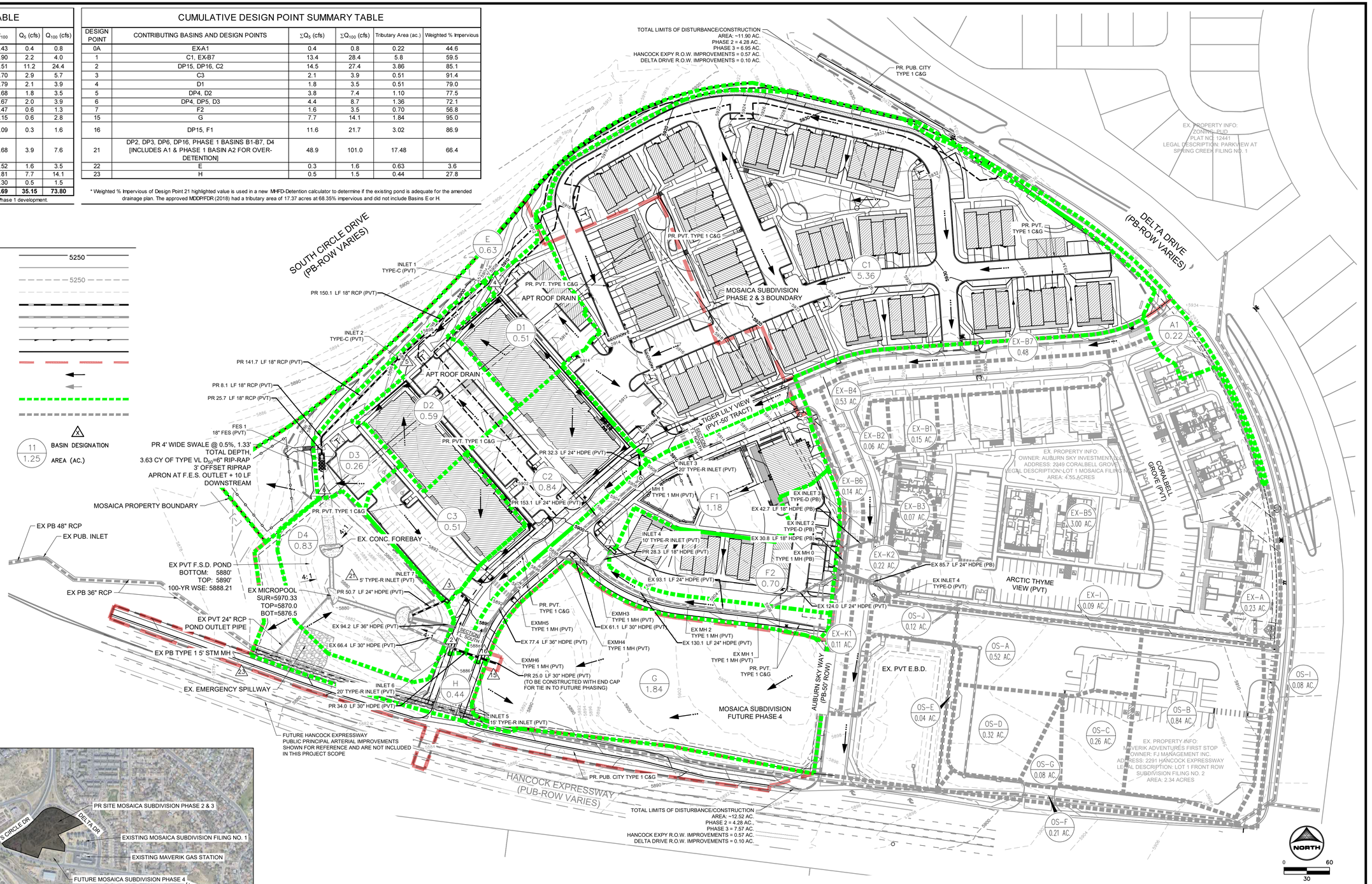
BASIN	AREA (ac)	% IMP.	C_5	C_{100}	Q_5 (cfs)	Q_{100} (cfs)
EX-A1	0.22	44.6	0.43	0.43	0.4	0.8
EX-B7	0.48	100.0	0.90	0.90	2.2	4.0
C1	5.36	55.9	0.51	0.51	11.2	24.4
C2	0.84	78.3	0.70	0.70	2.9	5.7
C3	0.51	91.4	0.79	0.79	2.1	3.9
D1	0.51	79.0	0.68	0.68	1.8	3.5
D2	0.59	76.2	0.67	0.67	2.0	3.9
D3	0.26	49.0	0.47	0.47	0.6	1.3
D4	0.83	9.9	0.15	0.15	0.6	2.8
E	0.63	3.6	0.09	0.09	0.3	1.6
F1	1.18	74.3	0.68	0.68	3.9	7.6
F2	0.70	56.8	0.52	0.52	1.6	3.5
G	1.84	95.0	0.81	0.81	7.7	14.1
H	0.44	27.8	0.30	0.30	0.5	1.5
TOTAL *	**13.69**	**61.0%**	**0.55**	**0.69**	**35.15**	**73.80**

* Totals do not include EX-A1 and EX-B7 as that basin is existing Phase 1 development.

CUMULATIVE DESIGN POINT SUMMARY TABLE

DESIGN POINT	CONTRIBUTING BASINS AND DESIGN POINTS	ΣQ_5 (cfs)	ΣQ_{100} (cfs)	Tributary Area (ac.)	Weighted % Impervious
0A	EX-A1	0.4	0.8	0.22	44.6
1	C1, EX-B7	13.4	28.4	5.8	59.5
2	DP15, DP16, C2	14.5	27.4	3.86	85.1
3	C3	2.1	3.9	0.51	91.4
4	D1	1.8	3.5	0.51	79.0
5	DP4, D2	3.8	7.4	1.10	77.5
6	DP4, DP5, D3	4.4	8.7	1.36	72.1
7	F2	1.6	3.5	0.70	56.8
15	G	7.7	14.1	1.84	95.0
16	DP15, F1	11.6	21.7	3.02	86.9
21	DP2, DP3, DP6, DP16, PHASE 1 BASINS B1-B7, D4 [INCLUDES A1 & PHASE 1 BASIN A2 FOR OVER-DETENTION]	48.9	101.0	17.48	66.4
22	E	0.3	1.6	0.63	3.6
23	H	0.5	1.5	0.44	27.8

* Weighted % Impervious of Design Point 21 highlighted value is used in a new MHFD-Detention calculator to determine if the existing pond is adequate for the amended drainage plan. The approved MDDP/FDR (2018) had a tributary area of 17.37 acres at 68.35% impervious and did not include Basins E or H.



VICINITY MAP
SCALE: 1" = 1000'

DRAWN BY: DLH	JOB DATE: 6/19/2024	BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 1" IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.	
APPROVED: RDL	JOB NUMBER: 2303304		
CAD DATE: 7/29/2024			
CAD FILE: J:\2023\2303304\CAD\DWG\C\Drainage\Proposed_Conditions			

NO.	DATE	BY	REVISION DESCRIPTION

HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

MOSAICA FILING NO. 2 - PHASES 2 & 3
AUBURN SKY INVESTMENT GROUP LLC
COLORADO SPRINGS, CO

PROPOSED CONDITIONS
DRAINAGE MAP

SHEET
FDR
1

LYON, RICHIE, 7/29/2024 8:44 AM
HR GREEN Xrefs: xv-util-3304; xc-row-3304; xc-util-3304; xv-dsgn-3304; xv-row-3304; xgt-1-dh01-3304; xc-dsgn-3304-PH2; xc-dsgn-3304-PH2.2; Legend_FDR_Map

LYON, RICHIE, 7/24/2024 11:58 AM

SUMMARY RUNOFF TABLE

BASIN	AREA (ac)	% IMP.	C_5	C_{100}	Q_5 (cfs)	Q_{100} (cfs)
EX-A1	0.22	44.6	0.43	0.43	0.4	0.8
EX-B7	0.48	100.0	0.90	0.90	2.2	4.0
C1	5.36	55.9	0.51	0.51	11.2	24.4
C2	0.84	78.3	0.70	0.70	2.9	5.7
C3	0.51	91.4	0.79	0.79	2.1	3.9
D1	0.51	79.0	0.68	0.68	1.8	3.5
D2	0.59	76.2	0.67	0.67	2.0	3.9
D3	0.26	49.0	0.47	0.47	0.6	1.3
D4	0.83	9.9	0.15	0.15	0.6	2.8
E	0.63	3.6	0.09	0.09	0.3	1.6
F1	1.18	74.3	0.68	0.68	3.9	7.6
F2	0.70	56.8	0.52	0.52	1.6	3.5
G	1.84	95.0	0.81	0.81	7.7	14.1
H	0.44	27.8	0.30	0.30	0.5	1.5
TOTAL *	**13.69**	**61.0%**	**0.55**	**0.69**	**35.15**	**73.80**

* Totals do not include EX-A1 and EX-B7 as that basin is existing Phase 1 development.

CUMULATIVE DESIGN POINT SUMMARY TABLE

DESIGN POINT	CONTRIBUTING BASINS AND DESIGN POINTS	ΣQ_5 (cfs)	ΣQ_{100} (cfs)	Tributary Area (ac.)	Weighted % Impervious
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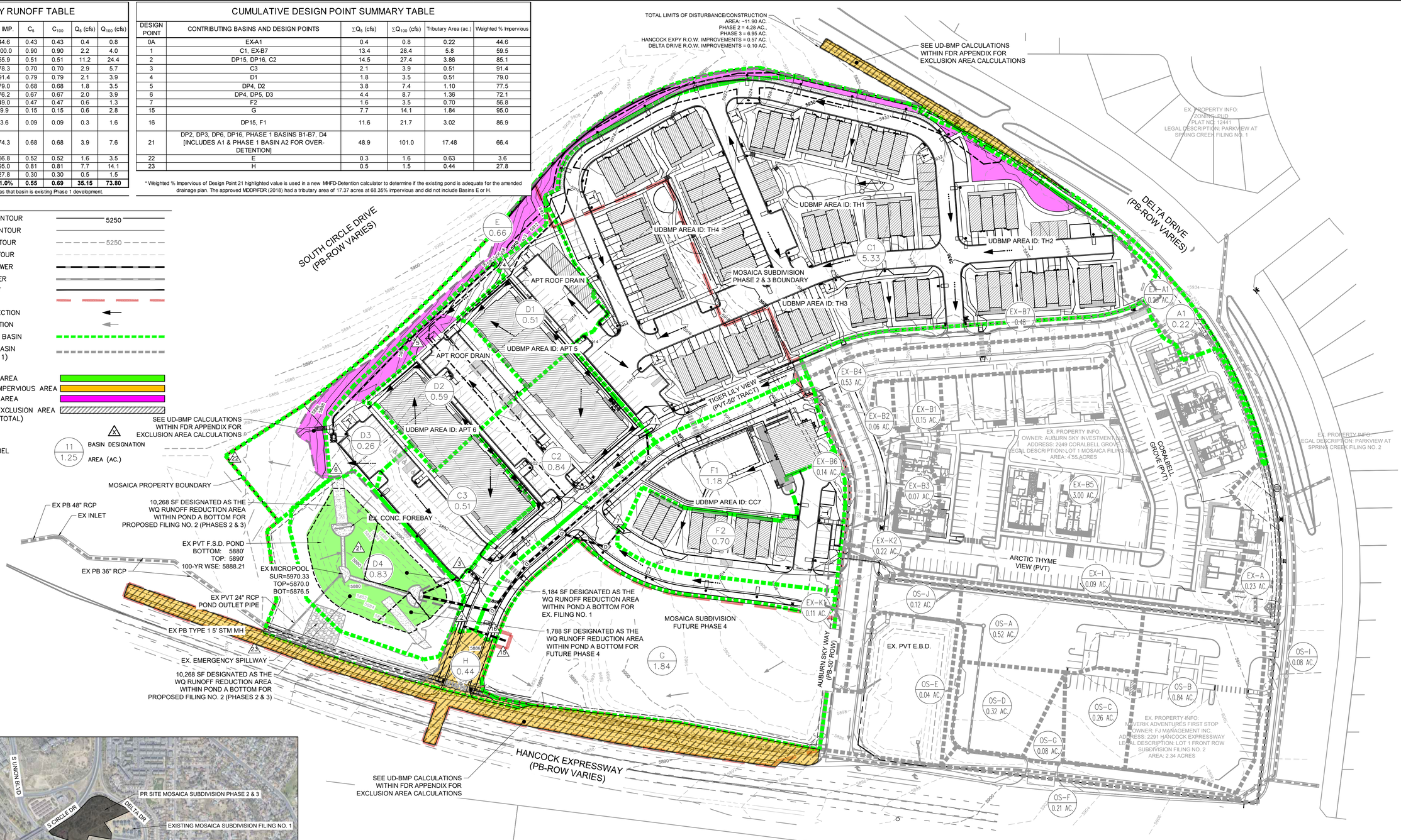
3	C3	2.1	3.9	0.51	91.4
4	D1	1.8	3.5	0.51	79.0
5	DP4, D2	3.8	7.4	1.10	77.5
6	DP4, DP5, D3	4.4	8.7	1.36	72.1
7	F2	1.6	3.5	0.70	56.8
15	G	7.7	14.1	1.84	95.0
16	DP15, F1	11.6	21.7	3.02	86.9
21	DP2, DP3, DP6, DP16, PHASE 1 BASINS B1-B7, D4 [INCLUDES A1 & PHASE 1 BASIN A2 FOR OVER-DETENTION]	48.9	101.0	17.48	66.4
22	E	0.3	1.6	0.63	3.6
23	H	0.5	1.5	0.44	27.8

* Weighted % Impervious of Design Point 21 highlighted value is used in a new MHFD-Detention calculator to determine if the existing pond is adequate for the amended drainage plan. The approved MDDP/FDR (2018) had a tributary area of 17.37 acres at 68.35% impervious and did not include Basins E or H.

LEGEND:

- PROPOSED MAJOR CONTOUR — 5250
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR — 5250
- EXISTING MINOR CONTOUR
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPERTY BOUNDARY
- PHASING BOUNDARY
- PROPOSED FLOW DIRECTION
- EXISTING FLOW DIRECTION
- PROPOSED DRAINAGE BASIN
- EXISTING DRAINAGE BASIN (MOSAICA FILING NO. 1)
- RECEIVING PERVIOUS AREA
- DIRECT CONNECTED IMPERVIOUS AREA
- SEPARATE PERVIOUS AREA
- RUNOFF REDUCTION EXCLUSION AREA (LESS THAN 1.0 AC. TOTAL)
- DESIGN POINT
- PROPOSED BASIN LABEL — 11 / 1.25 — BASIN DESIGNATION / AREA (AC.)



VICINITY MAP
SCALE: 1" = 1000'

MOSAICA PHASES 2-3 RUNOFF REDUCTION SUMMARY TABLE	
TOTAL SITE AREA (PHASE 2 &3), AC.	11.235
TOTAL IMPERVIOUS AREA, AC.	8.06
TOTAL SITE IMPERVIOUS %	71.7%
UIA AC.	4.02
RPA AC.	2.52
DCIA AC.	4.04
SPA AC.	0.66
WQCV, CF	14629.00
STORMWAER VOLUME REDUCTION, CF	7299.00
TOTAL SITE STORMWATER VOLUME REDUCTION AS % OF WQCV	50%

* UD-BMP CALCULATIONS ARE PROVIDED WITHIN THE FDR APPENDIX TO DEMONSTRATE THAT THE ENTIRE GREATER COMMON DEVELOPMENT MEETS WQ RR CRITERIA

MOSAICA - ALL PHASES UIA:RPA POND BOTTOM P.I.A. SUMMARY TABLE	
TOTAL SITE AREA (PHASE 2 &3), AC.	14.390
TOTAL IMPERVIOUS AREA, AC.	8.78
TOTAL SITE IMPERVIOUS %	61.0%
UIA AC.	6.87
RPA AC.	0.40
DCIA AC.	6.07
SPA AC.	1.06
WQCV, CF	12469.00
STORMWAER VOLUME REDUCTION, CF	4851.00
TOTAL SITE STORMWATER VOLUME REDUCTION AS % OF WQCV	39%

* UD-BMP CALCULATIONS ARE PROVIDED WITHIN THE FDR APPENDIX WITH A BREAKDOWN OF THE UIA:RPA (POND A BOTTOM P.I.A.) AREAS.

NORTH
0 30 60

DRAWN BY: DLH JOB DATE: 7/2/2024
APPROVED: RDL JOB NUMBER: 2303304
CAD DATE: 7/24/2024
CAD FILE: J:\2023\2303304\CAD\DWG\C\Drainage\Green_Infrastructure

BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0 1" IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION

HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 230
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

MOSAICA FILING NO. 2 - PHASES 2 & 3
AUBURN SKY INVESTMENT GROUP LLC
COLORADO SPRINGS, CO

PROPOSED DRAINAGE CONDITIONS
GREEN INFRASTRUCTURE MAP

SHEET GI 2

HR GREEN Xrefs: xv-utl1-3304; xc-row-3304; xc-utl-3304; xv-dsgn-3304; xv-row-3304; xgt-l-dh01-3304; xc-dsgn-3304-PH2.1; xc-dsgn-3304-PH2.2; Legend_GI_Map