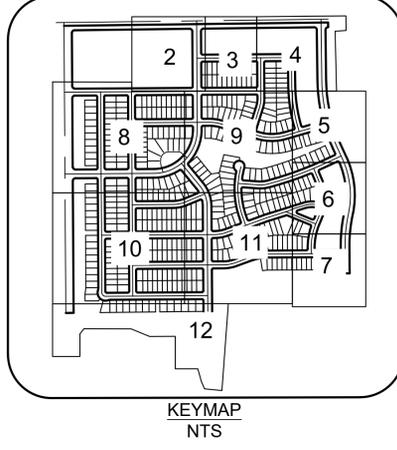


Basin	Area	C2	C100	% Imp.	Q2	Q100
T-1	4.83	0.45	0.50	42.0	3.7	12.0
T-2	4.78	0.44	0.62	52.6	3.9	15.9
T-3	0.95	0.52	0.72	65.0	1.1	4.5
T-4	1.98	0.53	0.69	62.7	2.2	8.4
T-5	0.76	0.67	0.72	72.6	1.2	3.9
T-6	1.19	0.54	0.71	65.1	1.4	5.4
T-7	0.83	0.56	0.72	67.0	1.0	3.9
T-8	1.82	0.52	0.71	64.4	1.9	7.6
T-9	1.82	0.53	0.72	65.2	2.0	8.1
T-10	1.00	0.50	0.71	63.3	1.1	4.5
T-11	1.43	0.50	0.71	63.1	1.5	6.2
T-12	2.45	0.53	0.72	65.4	2.4	9.5
T-13	3.25	0.52	0.72	64.8	3.2	12.7
T-14	1.40	0.53	0.71	64.6	1.5	6.0
T-15	1.01	0.39	0.69	41.3	0.8	4.2
T-16	1.05	0.37	0.69	40.3	0.8	4.5
T-17	0.95	0.51	0.71	64.1	1.1	4.4
T-18	2.09	0.50	0.71	63.5	2.1	8.8
T-19	3.77	0.50	0.70	62.4	3.5	14.4
T-20	1.06	0.55	0.71	65.5	1.3	4.7
T-21	1.03	0.55	0.72	66.3	1.3	5.0
T-22	1.61	0.51	0.71	63.7	1.8	7.3
T-23	2.08	0.55	0.72	66.7	2.3	8.7
T-24	2.37	0.41	0.56	46.3	2.0	7.8
T-25	1.68	0.50	0.71	62.9	1.7	7.1
T-26	0.90	0.49	0.71	62.6	1.0	4.0
T-27	2.83	0.51	0.70	63.3	2.7	11.0
T-28	1.27	0.54	0.71	65.2	1.5	5.7
T-29	0.19	0.52	0.57	51.6	0.2	0.7
T-30	3.21	0.43	0.58	48.8	2.7	10.8
T-30-1	2.19	0.51	0.71	64.0	2.2	9.0
T-31	2.72	0.54	0.72	65.7	2.9	11.4
T-32	2.42	0.46	0.69	54.5	2.1	9.3
T-33	0.74	0.53	0.74	67.2	0.9	3.8
T-34	0.35	0.54	0.75	68.3	0.5	1.9
T-35	1.94	0.25	0.66	23.6	1.0	7.7
T-36	1.91	0.41	0.66	48.3	1.6	7.5
T-37	2.13	0.52	0.70	63.5	2.2	8.8
T-38	3.97	0.54	0.73	67.1	4.1	16.6
T-39	1.67	0.54	0.72	65.9	1.8	7.0
T-40	1.38	0.51	0.71	63.8	1.4	6.0
T-41	0.70	0.65	0.78	76.1	1.1	3.8
T-42	0.99	0.66	0.83	80.4	1.7	6.3
T-43	0.47	0.68	0.78	77.5	0.9	3.1
T-44	0.40	0.64	0.70	69.0	0.7	2.2
T-45	0.85	0.64	0.82	78.4	1.4	5.2
T-46	0.37	0.67	0.84	81.9	0.7	2.4
T-47	0.47	0.69	0.79	78.7	0.9	3.0
T-48	1.78	0.56	0.70	64.8	2.3	8.4
T-49	1.24	0.64	0.70	68.9	1.7	5.6
T-50	1.30	0.34	0.51	37.7	0.9	3.9
T-51	2.07	0.46	0.50	43.0	1.9	6.2
T-52	0.20	0.34	0.38	26.7	0.2	0.5
T-53	1.61	0.61	0.67	64.7	2.5	8.1
T-54	2.33	0.53	0.58	53.0	2.9	9.2
T-55	8.15	0.19	0.24	7.1	3.1	11.1

Design Point	Q2 (cfs)	Q100 (cfs)
1-T	3.7	12.0
2-T	3.9	15.9
3-T	1.1	4.5
4-T	2.9	11.7
5-T	1.2	3.9
6-T	1.4	8.2
7-T	1.0	3.9
8-T	1.9	7.6
9-T	2.0	8.1
10-T	1.1	4.5
11-T	1.5	6.2
12-T	2.4	9.5
13-T	3.2	13.9
14-T	1.5	7.0
15-T	0.8	4.2
16-T	0.8	4.5
17-T	1.1	4.4
18-T	2.1	8.8
19-T	3.5	17.4
20-T	1.3	4.7
21-T	1.3	5.0
22-T	1.8	7.3
23-T	2.3	16.5
24-T	2.0	12.5
25-T	1.7	7.1
26-T	1.0	4.0
27-T	2.7	15.3
28-T	1.5	6.1
29-T	0.2	0.7
30-T	2.7	10.8
30-1-T	2.2	9.0
31-T	2.9	14.1
32-T	3.2	15.4
33-T	0.9	3.8
34-T	0.5	1.9
35-T	1.0	7.7
36-T	1.6	7.5
37-T	2.2	8.8
38-T	4.1	19.4
39-T	1.8	9.1
40-T	1.4	6.0
41-T	2.7	9.6
42-T	1.7	6.3
43-T	0.9	3.1
44-T	2.1	8.4
45-T	1.4	5.2
46-T	0.7	2.4
47-T	0.9	3.0
48-T	2.3	8.4
49-T	4.2	15.4
50-T	0.9	3.9
51-T	1.9	6.2
52-T	0.2	0.5
53-T	2.5	8.1
54-T	2.9	9.2
55-T	3.1	11.1

Basin	Area	C2	C100	% Imp.	Q2	Q100
U-1	1.67	0.67	0.76	75.3	2.6	8.7
U-1a	0.98	0.63	0.79	75.9	1.4	5.2
U-1b	2.37	0.63	0.81	77.0	3.6	13.4
U-2	1.39	0.66	0.75	74.4	2.3	7.7
U-2a	0.37	0.65	0.83	80.0	0.7	2.5
U-2b	0.72	0.57	0.72	66.8	1.1	3.9
U-2c	1.03	0.65	0.83	80.0	1.7	6.4
U-3	1.03	0.56	0.72	67.2	1.6	5.9
U-4	1.03	0.53	0.72	65.2	1.2	4.6
U-5	2.84	0.46	0.70	54.1	3.3	14.8
U-6	0.52	0.52	0.71	64.3	0.6	2.5
U-7	1.36	0.52	0.71	64.7	1.5	5.8
U-8	2.31	0.51	0.71	63.7	2.3	9.6
U-10	5.15	0.37	0.67	42.7	4.0	20.9
U-11	1.84	0.51	0.71	62.3	1.9	7.9
U-12	4.16	0.50	0.71	60.6	4.1	16.9
U-13	3.09	0.65	0.74	72.6	4.0	13.1
U-13a	1.49	0.62	0.80	76.0	2.4	9.0
U-13b	0.66	0.53	0.66	59.5	0.9	3.2
U-13c	1.19	0.62	0.79	75.5	1.7	6.3
U-14	0.17	0.69	0.75	75.5	0.3	1.1
U-15	1.68	0.49	0.70	62.4	1.7	7.2
U-16	4.13	0.57	0.62	58.9	5.2	16.8
U-17	0.35	0.44	0.49	41.3	0.4	1.4
U-18	0.34	0.57	0.65	61.4	0.6	1.9
U-19	0.13	0.68	0.75	75.1	0.2	0.8
U-19a	0.46	0.65	0.82	79.7	0.7	2.6
U-20	3.08	0.72	0.77	79.1	3.1	9.7
U-21	1.22	0.77	0.83	86.5	2.4	7.5
U-22	3.99	0.20	0.25	8.3	1.7	6.0

Design Point	Q2 (cfs)	Q100 (cfs)
1U	6.4	22.9
1aU	1.4	5.2
1bU	3.6	13.4
2U	5.4	16.9
2aU	0.7	2.5
2bU	1.1	3.9
2cU	1.7	6.4
3U	1.6	5.9
4U	1.2	4.6
5U	3.3	14.8
6U	0.6	2.5
7U	1.5	5.8
8U	2.3	9.6
10U	4.0	20.9
11U	1.9	7.9
12U	4.1	17.1
13U	7.9	27.7
13aU	2.4	9.0
13bU	0.9	3.2
13cU	1.7	6.3
14U	0.3	1.1
15U	1.7	7.2
16U	5.2	16.8
17U	0.4	1.4
18U	0.6	1.9
19U	0.9	3.2
19aU	0.7	2.6
20U	3.1	9.7
21U	2.4	7.5
22U	1.7	6.0



LEGEND

- XX (in circle) = PROPOSED BASIN ID
- XX (in square) = BASIN ID
- A = AREA
- C2 = 2 YR RUNOFF CO-EFF
- C100 = 100 YR RUNOFF CO-EFF

- XX (in triangle) = DESIGN POINT
- = EXISTING DRAINAGE BOUNDARY
- = MINOR BASIN BOUNDARY
- = PROP. MAJOR BASIN BOUNDARY
- = EXISTING MAJOR CONTOURS
- = EXISTING MINOR CONTOURS
- = PROPOSED MAJOR CONTOURS
- = PROPOSED MINOR CONTOURS
- = PROPOSED FLOW ARROW
- = EMERGENCY OVERFLOW PATH
- = PROPOSED STORM
- = EXISTING STORM
- = 100 YR WSEL
- = FEMA 100 YR FLOOD PLAIN
- = FEMA BASE FLOOD ELEV. LINE

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 - ALL STORM INLETS AND STORM PIPE DOWNSTREAM OF STORM INLETS HAVE BEEN DESIGNED FOR THE 100-YEAR STORM.
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 - SHADED ALLEY LINEWORK IS FUTURE. BASINS HAVE BEEN DELINEATED FOR ALLEY AND STORM ANALYSIS.

BASIS OF BEARINGS
 BEARINGS ARE BASED IN ACCORDANCE WITH THE CITY OF AURORA HORIZONTAL CONTROL NETWORK, UPON THE NORTH LINE OF THE SOUTHWEST QUARTER OF SECTION 9, TOWNSHIP 4 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, BEING PUBLISHED TO BEAR NORTH 89°21'50" EAST, 2646.23 FEET (2646.25 FEET AS MEASURED) AND MONUMENTED AS SHOWN HEREON.

BENCH MARK
 COA ID: 3S6508NW001. ELEVATIONS ARE BASED ON THE CITY OF AURORA AND COUNTY OF ADAMS BENCHMARK #3S3508NW001 A CITY OF AURORA AND COUNTY OF ADAMS 3-1/4" ALUMINUM CAP STAMPED (CITY OF AURORA B.M. 3S6508NW001, 2007), ON A 5" #6 REBAR, IN A 9" PVC PIPE WITH A CAP, LOCATED 27' SOUTHEAST OF THE SECTION CORNER TO SECTIONS 6, 5, 8, 7, TOWNSHIP 3 SOUTH, RANGE 65 WEST, 66.7 SOUTHEAST OF A YELLOW STEEL CONCRETE POST, 20' SOUTH OF THE CENTERLINE OF A DIRT ROAD (64TH AVENUE) AND 1.3 MILES EAST OF THE INTERSECTION OF E-470 AND 64TH AVENUE. ELEVATION = 5394.58' (NAVD1988) DATUM.

APPROVED FOR ONE YEAR FROM THIS DATE

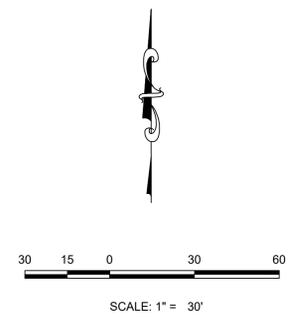
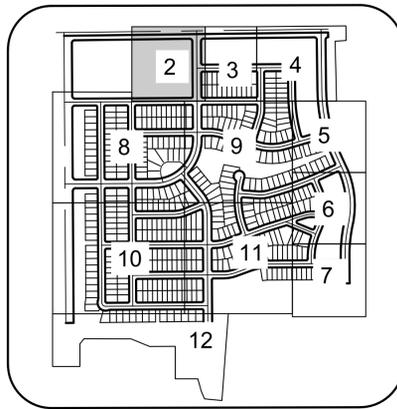
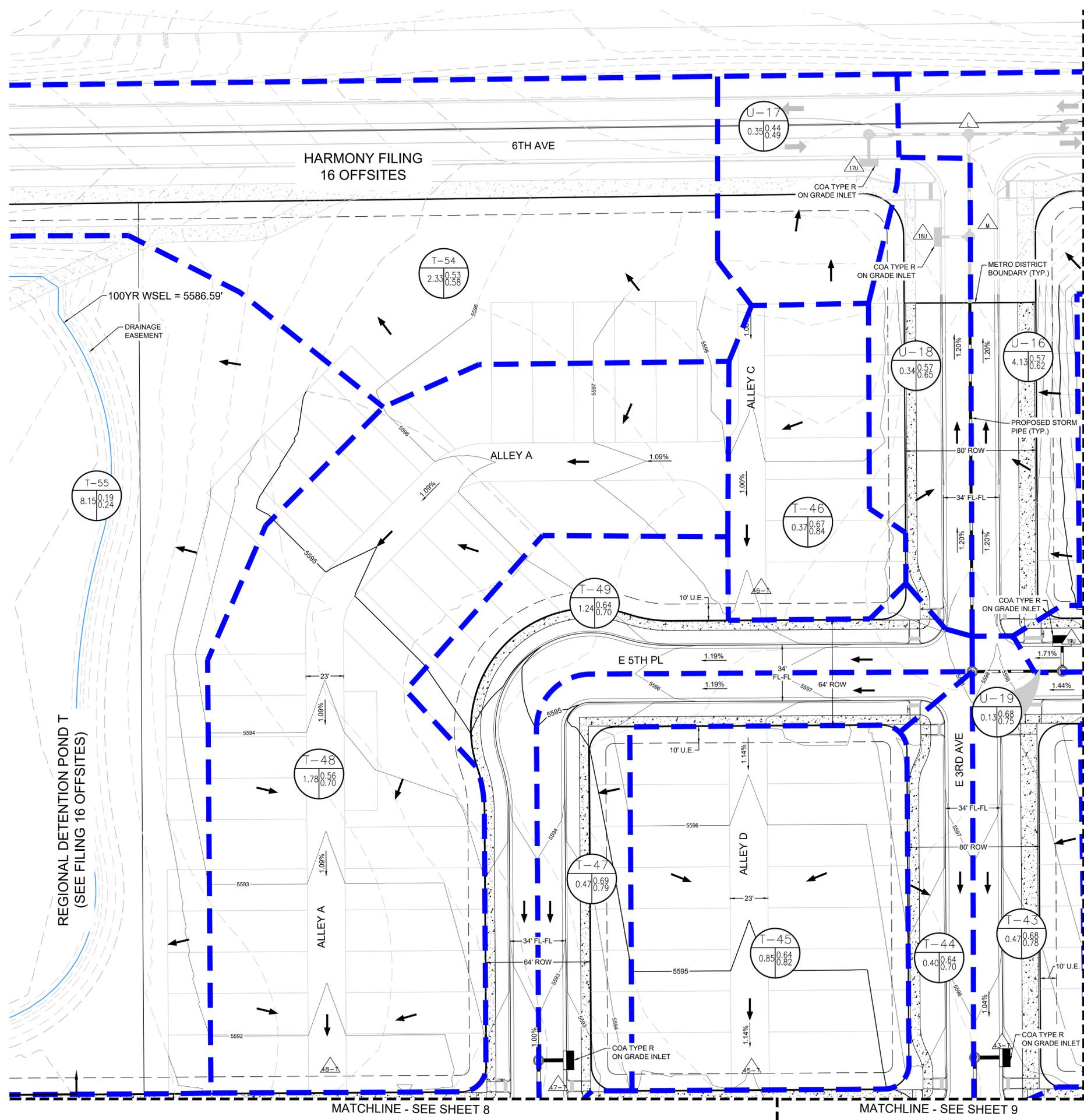
CITY ENGINEER	DATE
WATER DEPARTMENT	DATE

PREPARED UNDER THE SUPERVISION OF
BRIAN SCHAFFER
 COLORADO P.E. 0057673

SHEET NUMBER	DRAWN BY:	SCALE:	DATE:	No.	Revisions	Date	Date
		AS SHOWN					
1	CHECKED BY:	FILE NO:	DATE:	No.	Date	Date	Date
HARMONY SUBDIVISION FILING NO. 16 PRELIMINARY DRAINAGE PLAN ONSETS OVERALL DRAINAGE MAP		Melcor/TC Aurora, LLC C/O Marathon Land Company 9750 W. Cambridge Place Littleton, CO 80127 Tel: (303) 920-9400 Fax: (303) 920-9440		Westwood 10333 E DRY CREEK RD. SUITE 240 ENGLEWOOD, CO 80112 Tel: 720.482.9516 Westwoodpro.com Westwood Professional Services, Inc.		ADONEA FILING 3 COA EDN: 200052	

N:\PROJECTS\3017504 SAND CREEK\DCS\DRAINAGE\SP-8 SUN MEADOW\FILING 1702 PRELIMINARY DRAINAGE\ONSETS\PLANS DRAWINGS\PRELIMINARY OVERALL DRAINAGE MAP DWG. RNM\COMMOIN. 12/14/22

N:\PROJECTS\3017504 SAND CREEK\DCS\DRAINAGE\SP-8 SUN MEADOW\FILING 1702 PRELIMINARY DRAINAGE\ON SITE\PLANS\DRAWINGS\PRELIMINARY AREA DRAINAGE MAPS.DWG. RNM:MDM:12/14/22



LEGEND	
	PROPOSED BASIN ID XX = BASIN ID A = AREA C2 = 2 YR RUNOFF CO-EFF C100 = 100 YR RUNOFF CO-EFF
	DESIGN POINT
	EXISTING DRAINAGE BOUNDARY
	MINOR BASIN BOUNDARY
	PROP. MAJOR BASIN BOUNDARY
	EXISTING MAJOR CONTOURS
	PROPOSED MAJOR CONTOURS
	PROPOSED MINOR CONTOURS
	PROPOSED FLOW ARROW
	EMERGENCY OVERFLOW PATH
	PROPOSED STORM
	EXISTING STORM
	100 YR WSEL
	FEMA 100 YR FLOOD PLAIN
	FEMA BASE FLOOD ELEV. LINE

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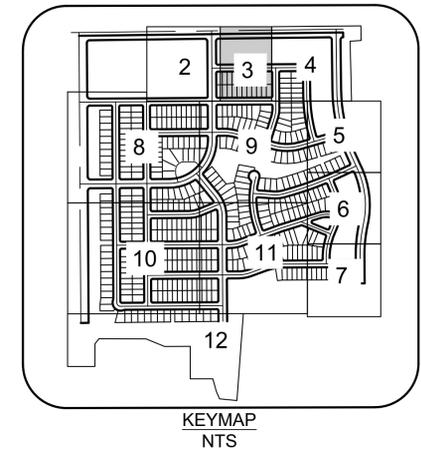
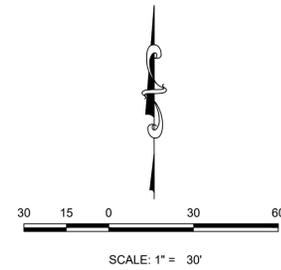
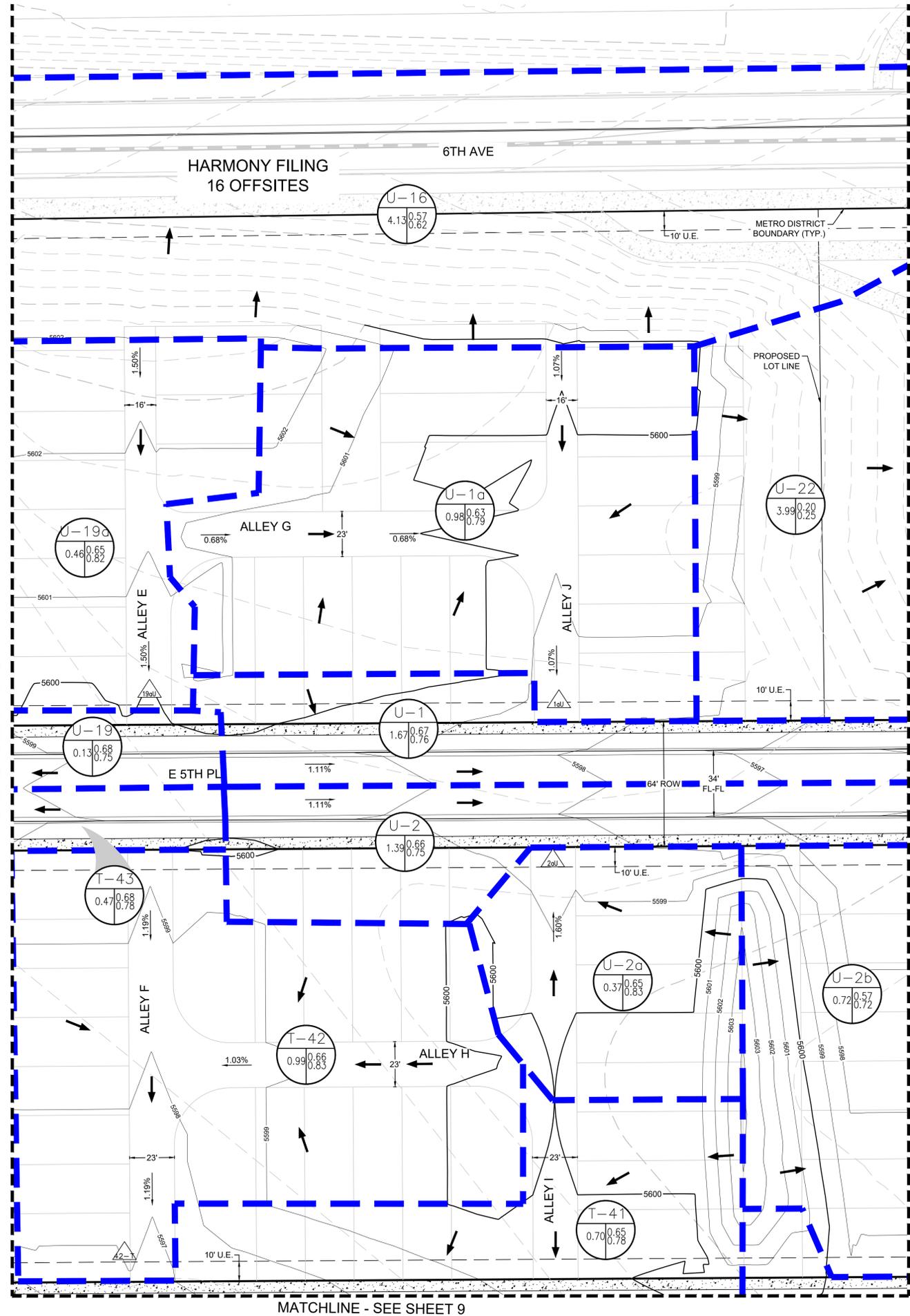
BASIS OF BEARINGS
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COA ID: 3S6508NW001. ELEVATIONS ARE BASED ON THE CITY OF AURORA AND COUNTY OF ADAMS BENCHMARK #3S3508NW001 A CITY OF AURORA B.M. 3S6508NW001, 2007), ON A 6" PVC PIPE WITH A CAP, LOCATED 27' SOUTHEAST OF THE SECTION CORNER TO SECTIONS 6, 5, 8, 7, TOWNSHIP 3 SOUTH, RANGE 65 WEST, 66.7 SOUTHEAST OF A YELLOW STEEL CONCRETE POST, 20' SOUTH OF THE CENTERLINE OF A DIRT ROAD (64TH AVENUE) AND 1.3 MILES EAST OF THE INTERSECTION OF E-470 AND 64TH AVENUE. ELEVATION = 5394.58' (NAVD1988) DATUM.

PREPARED UNDER THE SUPERVISION OF
BRIAN SCHAFFER
COLORADO P.E. 0057673

SHEET NUMBER 2	SCALE: AS SHOWN	FILE NO: 8130214922	DRAWN BY: BS	DATE: DECEMBER 2022	NO.	REVISIONS	DATE	APPR.	DATE
	CHECKED BY:	DATE:							
<p>Westwood 10333 E DRY CREEK RD. SUITE 240 ENGLEWOOD, CO 80112 TEL: 720.482.9526</p> <p>Westwoodps.com Westwood Professional Services, Inc.</p>									
<p>Melcor/TC Aurora, LLC C/O Marathon Land Company 9750 W. Cambridge Place Littleton, CO 80127 Tel: (303) 920-9400 Fax: (303) 920-9440</p>									
<p>HARMONY SUBDIVISION FILING NO. 16 PRELIMINARY DRAINAGE PLAN ON SITES AREA DRAINAGE MAPS</p>									

N:\PROJECTS\3017504 SAND CREEK\DCS\DRAINAGE\SP-6 SUN MEADOW\FILING 1702 PRELIMINARY DRAINAGE\ONSITE\PLANS_DRAWINGS\PRELIMINARY AREA DRAINAGE MAPS.DWG. RNM:KIMMON, 12/14/22



LEGEND	
	PROPOSED BASIN ID XX = BASIN ID A = AREA C2 = 2 YR RUNOFF CO-EFF C100 = 100 YR RUNOFF CO-EFF
	DESIGN POINT
	EXISTING DRAINAGE BOUNDARY
	MINOR BASIN BOUNDARY
	PROP. MAJOR BASIN BOUNDARY
	EXISTING MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	PROPOSED MAJOR CONTOURS
	PROPOSED MINOR CONTOURS
	PROPOSED FLOW ARROW
	EMERGENCY OVERFLOW PATH
	PROPOSED STORM
	EXISTING STORM
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	FEMA 100 YR FLOOD PLAIN
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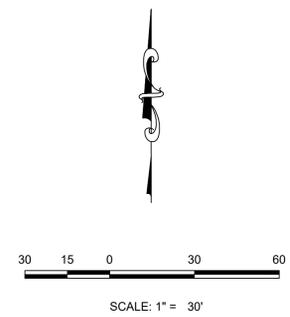
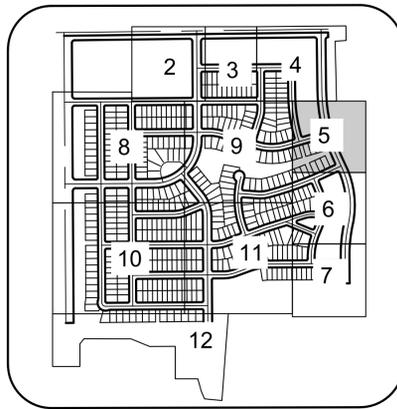
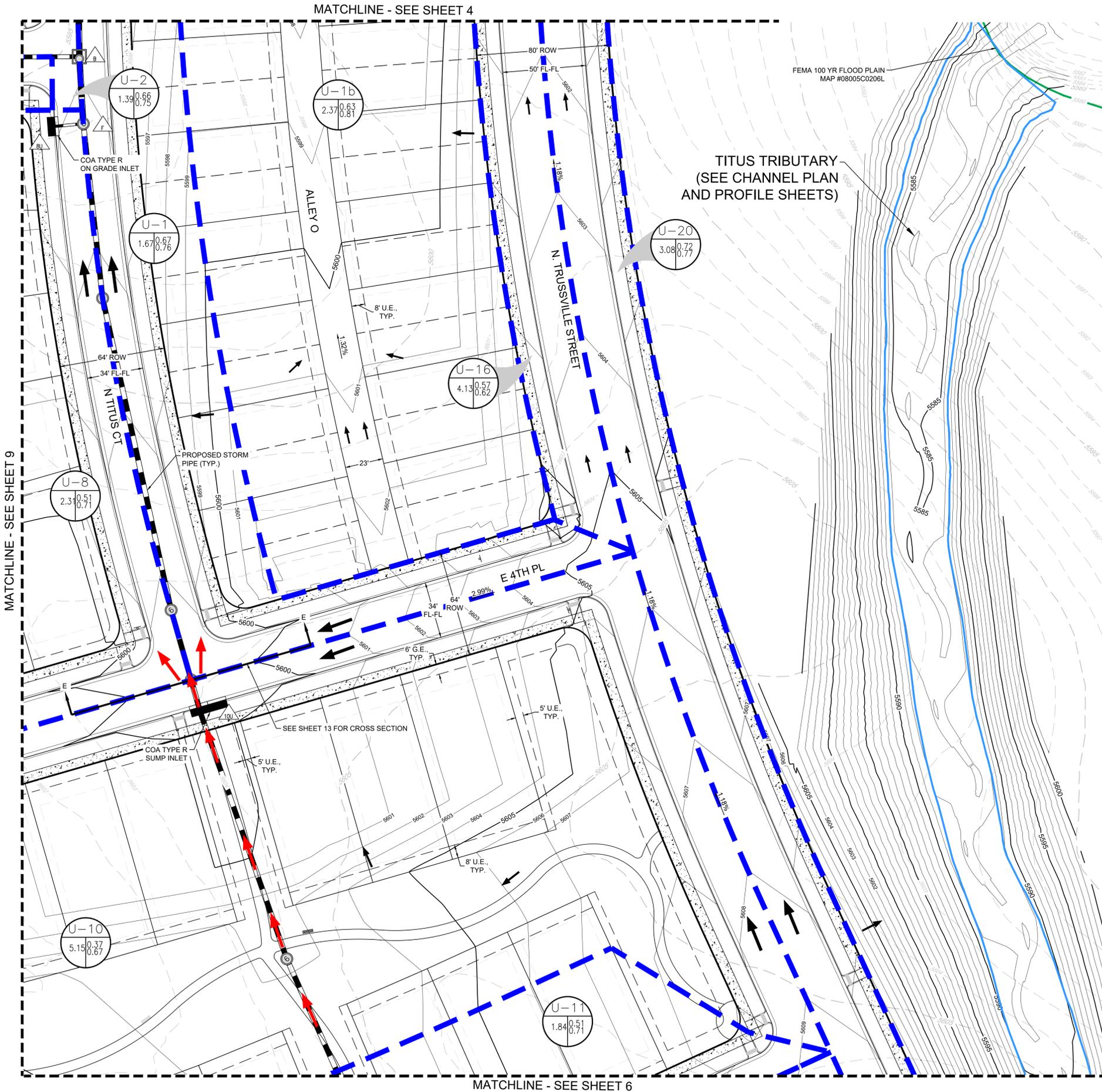
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BENCH MARK
COA ID: 3S6508NW001. ELEVATIONS ARE BASED ON THE CITY OF AURORA AND COUNTY OF ADAMS BENCHMARK #3S3508NW001 A CITY OF AURORA B.M. 3S6508NW001, 2007), ON A 5" #6 REBAR, IN A 9" PVC PIPE WITH A CAP, LOCATED 27' SOUTHEAST OF THE SECTION CORNER TO SECTIONS 6, 5, 8, 7, TOWNSHIP 3 SOUTH, RANGE 65 WEST, 66.7 SOUTHEAST OF A YELLOW STEEL CONCRETE POST, 20' SOUTH OF THE CENTERLINE OF A DIRT ROAD (64TH AVENUE) AND 1.3 MILES EAST OF THE INTERSECTION OF E-470 AND 64TH AVENUE. ELEVATION = 5394.58' (NAVD1988) DATUM.

PREPARED UNDER THE SUPERVISION OF
BRIAN SCHAFFER
COLORADO P.E. 0057673

SHEET NUMBER 3	SCALE: AS SHOWN	FILE NO: 8130214922	DRAWN BY: AS SHOWN	CHECKED BY: BS	DATE: DECEMBER 2022	NO.	REVISIONS	DATE	APPR.	DATE
	HARMONY SUBDIVISION FILING NO. 16 PRELIMINARY DRAINAGE PLAN ON SITES AREA DRAINAGE MAPS									
<p>Westwood 10333 E DRY CREEK RD. SUITE 240 ENGLEWOOD, CO 80112 TEL: 720.482.9526</p> <p>Westwoodps.com Westwood Professional Services, Inc.</p>			<p>Melcor/TC Aurora, LLC C/O Marathon Land Company 9750 W. Cambridge Place Littleton, CO 80127 Tel: (303) 920-9400 Fax: (303) 920-9440</p>			<p>Westwood 10333 E DRY CREEK RD. SUITE 240 ENGLEWOOD, CO 80112 TEL: 720.482.9526</p>				

N:\PROJECTS\3017504 SAND CREEK\DCS\DRAINAGE\SP-8 SUN MEADOW\PLING 1702 PRELIMINARY DRAINAGE\SITE\PLANS\DRAWINGS\PRELIMINARY AREA DRAINAGE MAPS.DWG RNM:CMH:0N 12/14/22



LEGEND

	PROPOSED BASIN ID XX = BASIN ID A = AREA C2 = 2 YR RUNOFF CO-EFF E100 = 100 YR RUNOFF CO-EFF
	DESIGN POINT
	EXISTING DRAINAGE BOUNDARY
	MINOR BASIN BOUNDARY
	PROP. MAJOR BASIN BOUNDARY
	EXISTING MAJOR CONTOURS
	PROPOSED MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	PROPOSED MINOR CONTOURS
	PROPOSED FLOW ARROW
	EMERGENCY OVERFLOW PATH
	PROPOSED STORM
	EXISTING STORM
	100 YR WSEL
	FEMA 100 YR FLOOD PLAIN
	FEMA BASE FLOOD ELEV. LINE

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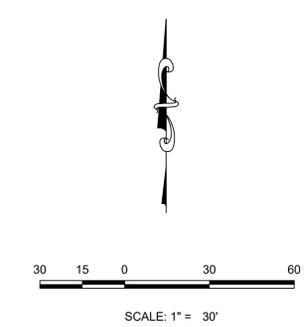
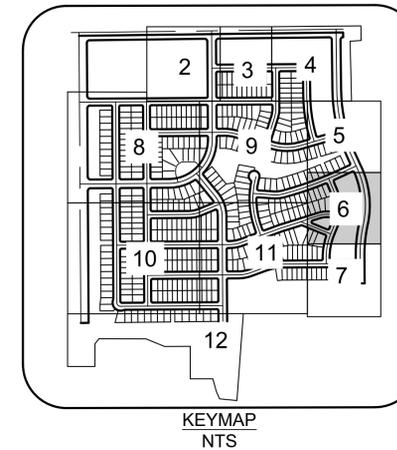
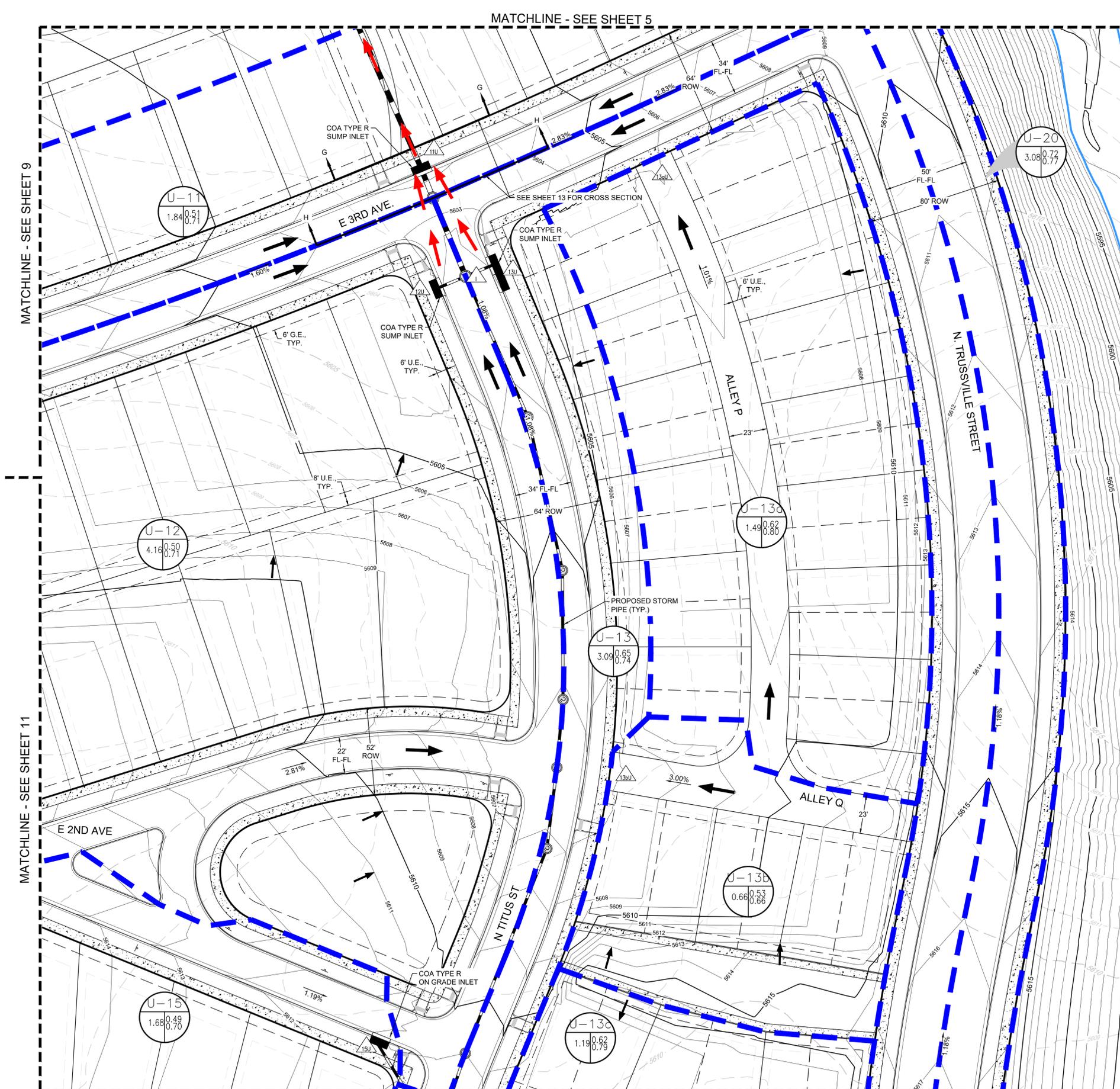
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COA ID: 3S6508NW001. ELEVATIONS ARE BASED ON THE CITY OF AURORA AND COUNTY OF ADAMS BENCHMARK #3S3508NW001 A CITY OF AURORA B.M. 3S6508NW001, 2007), ON A 5" #6 REBAR, IN A 6" PIPE WITH A CAP, LOCATED 27' SOUTHEAST OF THE SECTION CORNER TO SECTIONS 6, 5, 8, 7, TOWNSHIP 3 SOUTH, RANGE 65 WEST, 66.7 SOUTHEAST OF A YELLOW STEEL CONCRETE POST, 20' SOUTH OF THE CENTERLINE OF A DIRT ROAD (64TH AVENUE) AND 1.3 MILES EAST OF THE INTERSECTION OF E-470 AND 64TH AVENUE. ELEVATION = 5394.58' (NAVD1988) DATUM.

PREPARED UNDER THE SUPERVISION OF
BRIAN SCHAFFER
COLORADO P.E. 0057673

SHEET NUMBER 5	SCALE: AS SHOWN	FILE NO: 8130214922	DRAWN BY: BS	DATE: DECEMBER 2022	NO.	REVISIONS	DATE	APPR.
	CHECKED BY:	DATE					DATE	APPR.
Westwood 10333 E DRY CREEK RD. SUITE 240 ENGLEWOOD, CO 80112 TEL: 720.482.9526 Westwoodps.com Westwood Professional Services, Inc.		Melcor/TC Aurora, LLC C/O Marathon Land Company 9750 W. Cambridge Place Littleton, CO 80127 Tel: (303) 920-9400 Fax: (303) 920-9440		HARMONY SUBDIVISION FILING NO. 16 PRELIMINARY DRAINAGE PLAN ONSITES AREA DRAINAGE MAPS				

N:\PROJECTS\3017504 SAND CREEK\DCS\DRAINAGE\SP-8 SUN MEADOW\PLING 1702 PRELIMINARY DRAINAGE\ON SITE\PLANS DRAWINGS\PRELIMINARY AREA DRAINAGE MAPS.DWG RNM:DHON, 12/14/22



LEGEND

	PROPOSED BASIN ID XX = BASIN ID A = AREA C2 = 2 YR RUNOFF CO-EFF E100 = 100 YR RUNOFF CO-EFF
	DESIGN POINT
	EXISTING DRAINAGE BOUNDARY
	MINOR BASIN BOUNDARY
	PROP. MAJOR BASIN BOUNDARY
	EXISTING MAJOR CONTOURS
	PROPOSED MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	PROPOSED MINOR CONTOURS
	PROPOSED FLOW ARROW
	EMERGENCY OVERFLOW PATH
	PROPOSED STORM
	EXISTING STORM
	100 YR WSEL
	FEMA 100 YR FLOOD PLAIN
	FEMA BASE FLOOD ELEV. LINE

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COA ID: 3S6508NW001. ELEVATIONS ARE BASED ON THE CITY OF AURORA AND COUNTY OF ADAMS BENCHMARK #3S3508NW001 A CITY OF AURORA B.M. 3S6508NW001, 2007), ON A 6\"/>

PREPARED UNDER THE SUPERVISION OF
BRIAN SCHAFFER
COLORADO P.E. 0057673

SHEET NUMBER 6	SCALE: AS SHOWN	FILE NO: 8130214922	DRAWN BY: BS	DATE: DECEMBER 2022	NO.	REVISIONS	DATE	APPR.	DATE
	CHECKED BY:	DATE:					NO.	REVISIONS	DATE

Westwood
10333 E DRY CREEK RD.
SUITE 240
ENGLEWOOD, CO 80112
TEL: 720.482.9526
Westwoodps.com
Westwood Professional Services, Inc.

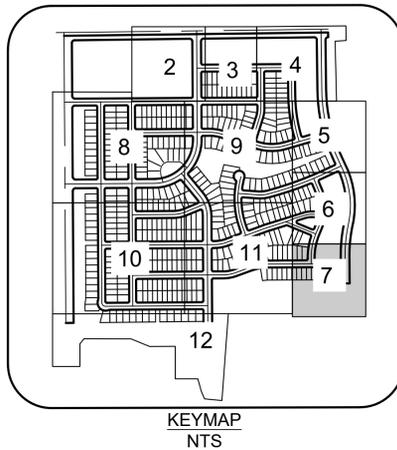
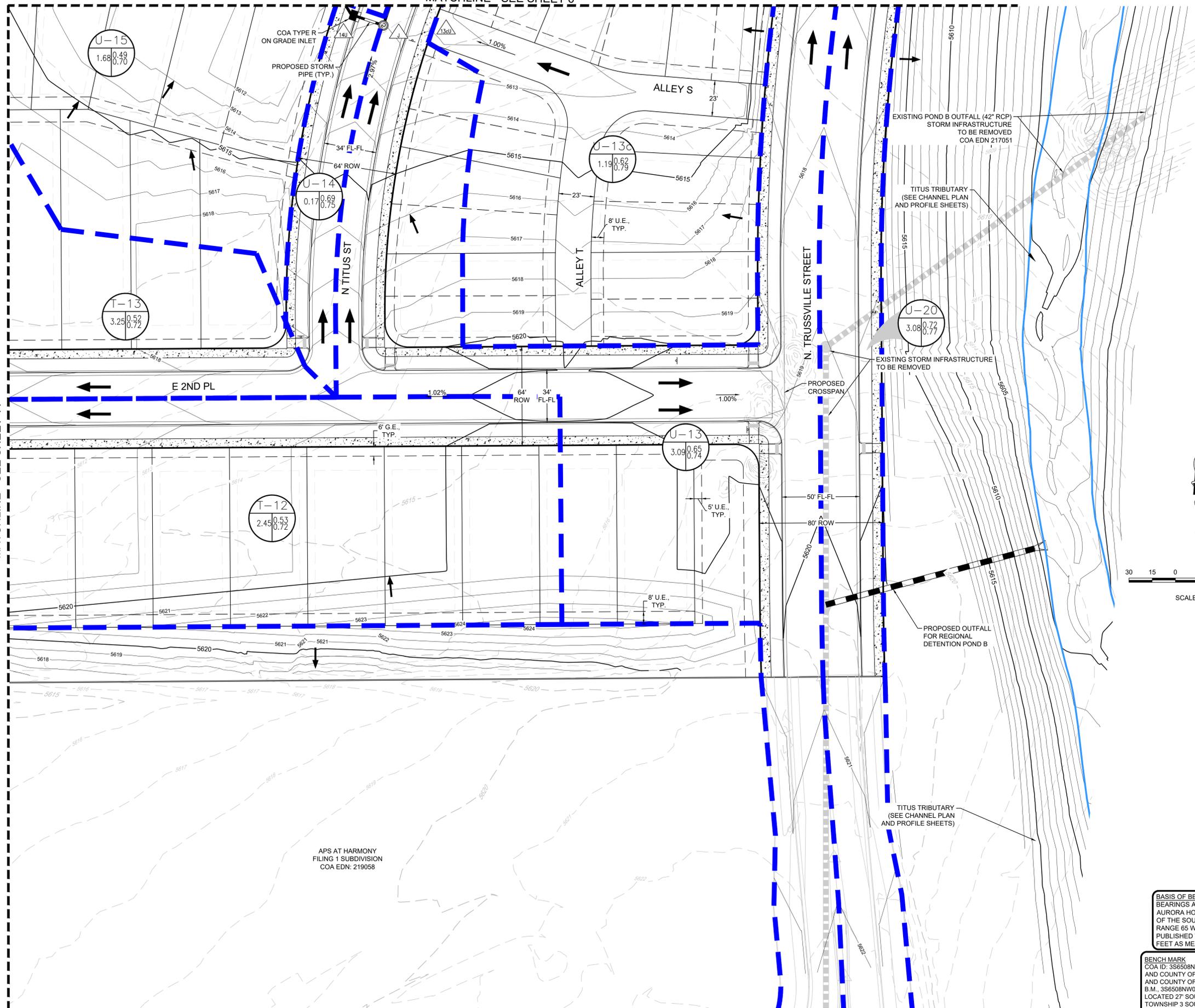
Melcor/TC Aurora, LLC
C/O Marathon Land Company
9750 W. Cambridge Place
Littleton, CO 80127
Tel: (303) 920-9400 Fax: (303) 920-9440

HARMONY SUBDIVISION FILING NO. 16
PRELIMINARY DRAINAGE PLAN ON SITES
AREA DRAINAGE MAPS

N:\PROJECTS\3017504 SAND CREEK\DCS\DRAINAGE\SP-6 SUN MEADOW\PLNG 1702 PRELIMINARY DRAINAGE\DRAINAGE\PRELIMINARY AREA DRAINAGE MAPS.DWG. RNM:MDHON. 12/14/22

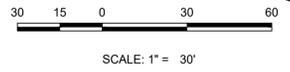
MATCHLINE - SEE SHEET 11

MATCHLINE - SEE SHEET 6



LEGEND

	PROPOSED BASIN ID XX = BASIN ID A= AREA C2= 2 YR RUNOFF CO-EFF C100= 100 YR RUNOFF CO-EFF
	DESIGN POINT
	EXISTING DRAINAGE BOUNDARY
	MINOR BASIN BOUNDARY
	PROP. MAJOR BASIN BOUNDARY
	EXISTING MAJOR CONTOURS
	PROPOSED MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	PROPOSED MINOR CONTOURS
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	EMERGENCY OVERFLOW PATH
	PROPOSED STORM
	EXISTING STORM
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	FEMA 100 YR FLOOD PLAIN
	FEMA BASE FLOOD ELEV. LINE



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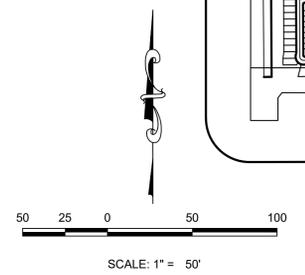
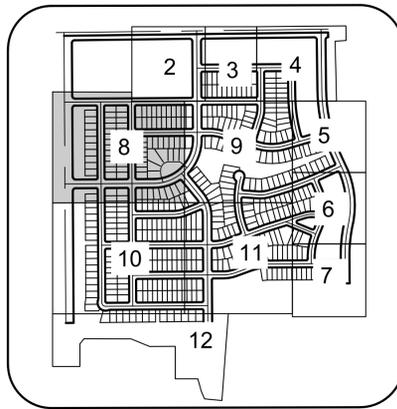
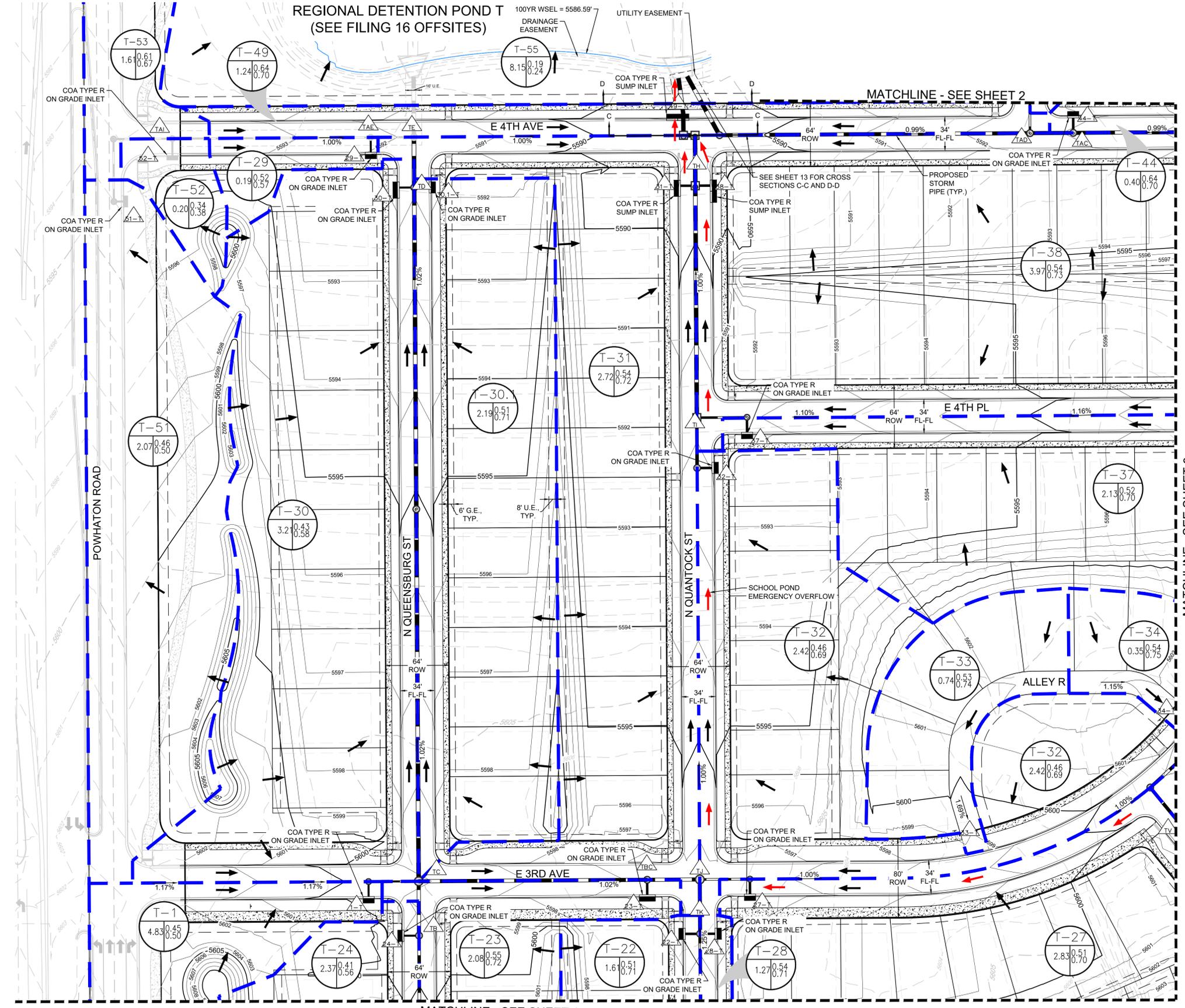
BENCH MARK
COA ID: 3S6508NW001. ELEVATIONS ARE BASED ON THE CITY OF AURORA AND COUNTY OF ADAMS BENCHMARK #3S3508NW001 A CITY OF AURORA AND COUNTY OF ADAMS 3-1/4" ALUMINUM CAP STAMPED (CITY OF AURORA B.M. 3S6508NW001, 2007), ON A 8" PVC REBAR, IN A 8" PVC PIPE WITH A CAP, LOCATED 27' SOUTHEAST OF THE SECTION CORNER TO SECTIONS 6, 5, 8, 7, TOWNSHIP 3 SOUTH, RANGE 65 WEST, 66.7' SOUTHEAST OF A YELLOW STEEL CONCRETE POST, 20' SOUTH OF THE CENTERLINE OF A DIRT ROAD (64TH AVENUE) AND 1.3 MILES EAST OF THE INTERSECTION OF E-470 AND 64TH AVENUE. ELEVATION = 5394.58' (NAVD1988) DATUM.

PREPARED UNDER THE SUPERVISION OF
BRIAN SCHAFFER
COLORADO P.E. 0057673

SHEET NUMBER	7		
	DRAWN BY:	AS SHOWN	FILE NO: 8130214922
CHECKED BY:	BS	DATE: DECEMBER 2022	
SCALE:	HARMONY SUBDIVISION FILING NO. 16 PRELIMINARY DRAINAGE PLAN ON SITES AREA DRAINAGE MAPS		
NO.	Revisions	Date	Appr.
Melcor/TC Aurora, LLC C/O Marathon Land Company 9750 W. Cambridge Place Littleton, CO 80127 Tel: (303) 920-9400 Fax: (303) 920-9440			
10333 E DRY CREEK RD. SUITE 240 ENGLEWOOD, CO 80112 TEL: 720.482.9526 Westwood.com Westwood Professional Services, Inc.			

N:\PROJECTS\3017504 SAND CREEK\DCS\DRAINAGE\SP-8 SUN MEADOW\PLNG 1702 PRELIMINARY DRAINAGE\ON SITE\PLANS DRAWINGS\PRELIMINARY AREA DRAINAGE MAPS.DWG RINMICHAMON, 12/14/22

**REGIONAL DETENTION POND T
(SEE FILING 16 OFFSITES)**



LEGEND

	PROPOSED BASIN ID XX = BASIN ID A = AREA C2 = 2 YR RUNOFF CO-EFF T100 = 100 YR RUNOFF CO-EFF
	DESIGN POINT
	EXISTING DRAINAGE BOUNDARY
	MINOR BASIN BOUNDARY
	PROP. MAJOR BASIN BOUNDARY
	EXISTING MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	PROPOSED MAJOR CONTOURS
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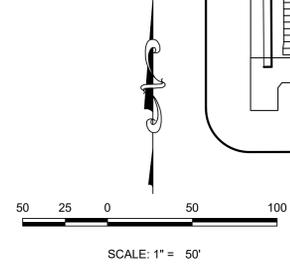
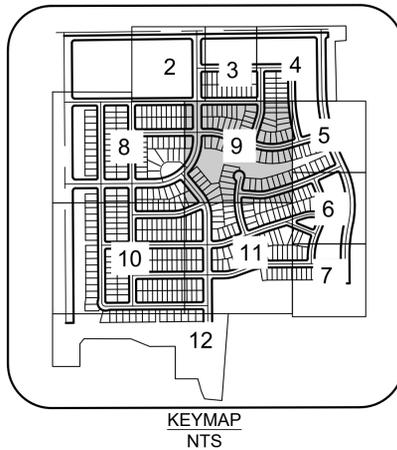
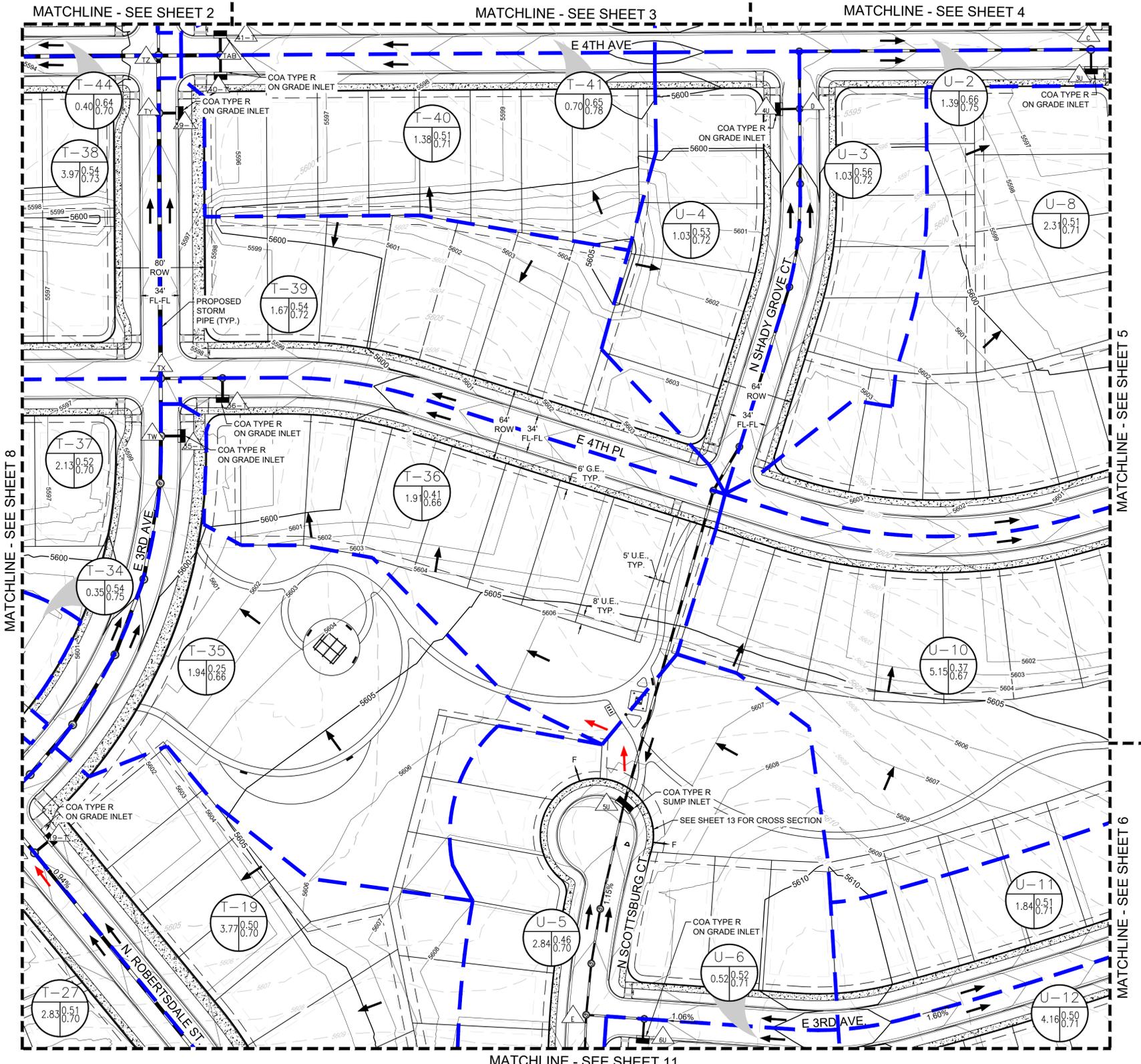
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PREPARED UNDER THE SUPERVISION OF
BRIAN SCHAFFER
COLORADO P.E. 0057673

SHEET NUMBER	DRAWN BY:		SCALE:	HARMONY SUBDIVISION FILING NO. 16 PRELIMINARY DRAINAGE PLAN ON SITES AREA DRAINAGE MAPS	Melcor/TC Aurora, LLC C/O Marathon Land Company 9750 W. Cambridge Place Littleton, CO 80127 Tel: (303) 920-9400 Fax: (303) 920-9440	Date
	AS SHOWN	CHECKED BY:	FILE NO:			
8	BS	DATE:	8130214922	Revisions	Westwood 10333 E DRY CREEK RD. SUITE 240 ENGLEWOOD, CO 80112 TEL: 720.482.9516	Date
	DECEMBER 2022	NO.	APPR.			

N:\PROJECTS\3017504 SAND CREEK\DCS\DRAINAGE\SP-8 SUN MEADOW\PLNG 1702 PRELIMINARY DRAINAGE\CONSITE\PLANS DRAWINGS\PRELIMINARY AREA DRAINAGE MAPS.DWG. RINMICHAMON, 12/14/22



LEGEND

	PROPOSED BASIN ID XX = BASIN ID A = AREA C2 = 2 YR RUNOFF CO-EFF C100 = 100 YR RUNOFF CO-EFF
	DESIGN POINT
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	MINOR BASIN BOUNDARY
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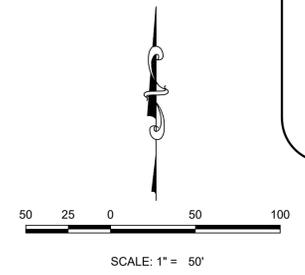
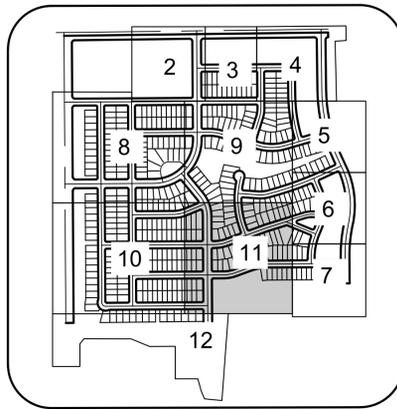
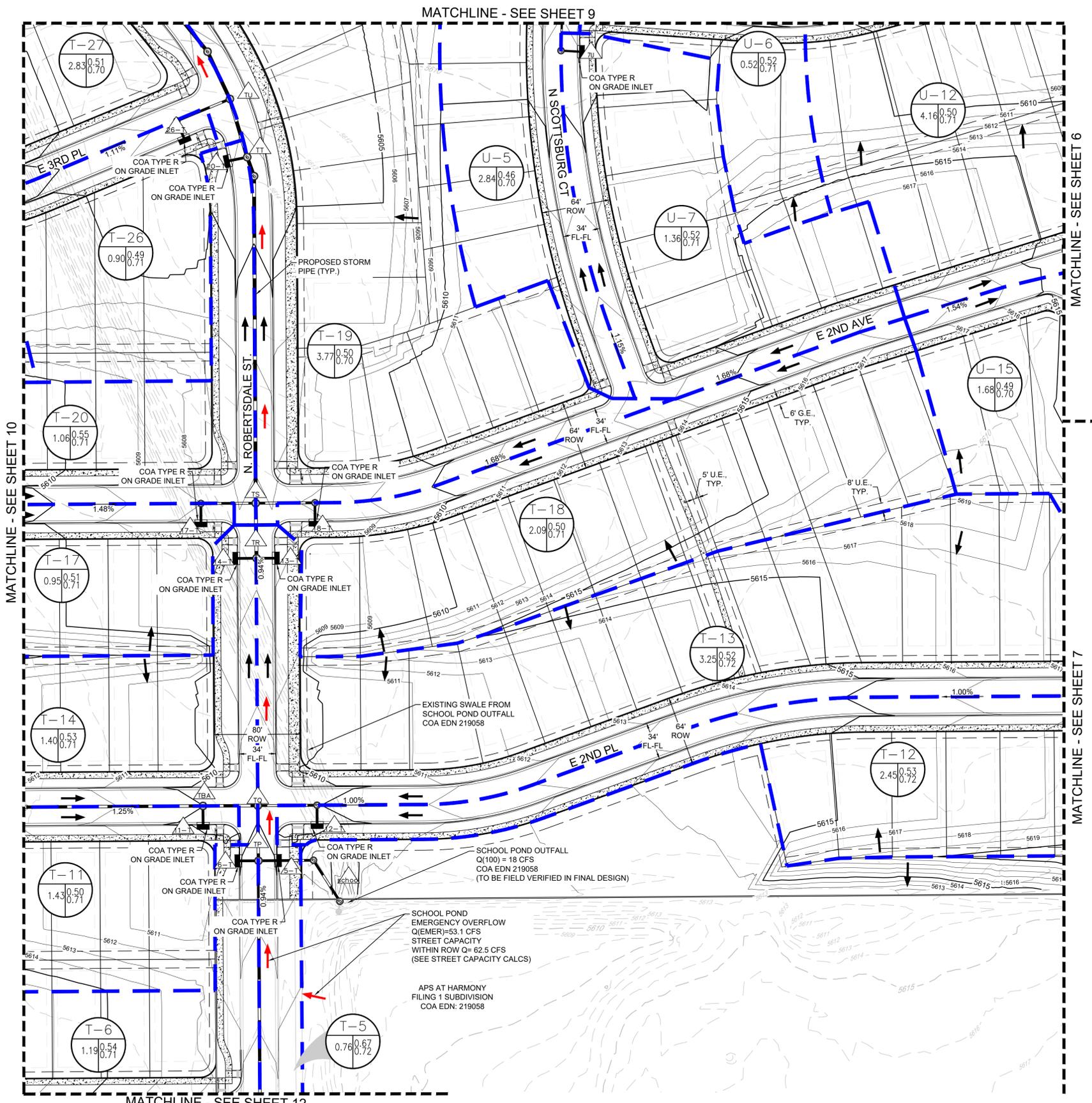
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BRIAN SCHAFFER
COLORADO P.E. 0057673

SHEET NUMBER 9	DRAWN BY:	SCALE:	AS SHOWN	FILE NO: 8130214922	DATE: DECEMBER 2022												
	CHECKED BY:	DATE:															
HARMONY SUBDIVISION FILING NO. 16 PRELIMINARY DRAINAGE PLAN ON SITES AREA DRAINAGE MAPS			Melcor/TC Aurora, LLC C/O Marathon Land Company 9750 W. Cambridge Place Littleton, CO 80127 Tel: (303) 920-9400 Fax: (303) 920-9440														
Westwood Professional Services, Inc. 10333 E DRY CREEK RD. SUITE 240 ENGLEWOOD, CO 80112 TEL: 720.482.9526			<table border="1"> <tr> <th>No.</th> <th>Revisions</th> <th>Date</th> <th>Init.</th> <th>Appr.</th> <th>Date</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>			No.	Revisions	Date	Init.	Appr.	Date						
No.	Revisions	Date	Init.	Appr.	Date												

N:\PROJECTS\3017504 SAND CREEK\DCS\DRAINAGE\SP-6 SUN MEADOW\PLNG 1702 PRELIMINARY DRAINAGE\ON SITE\PLANS DRAWINGS\PRELIMINARY AREA DRAINAGE MAPS.DWG RNM:KIMONAH, 12/14/22



LEGEND

	PROPOSED BASIN ID XX = BASIN ID A = AREA C2 = 2 YR RUNOFF CO-EFF E100 = 100 YR RUNOFF CO-EFF
	DESIGN POINT
	EXISTING DRAINAGE BOUNDARY
	MINOR BASIN BOUNDARY
	PROP. MAJOR BASIN BOUNDARY
	EXISTING MAJOR CONTOURS
	PROPOSED MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	PROPOSED MINOR CONTOURS
	PROPOSED FLOW ARROW
	EMERGENCY OVERFLOW PATH
	PROPOSED STORM
	EXISTING STORM
	100 YR WSEL
	FEMA 100 YR FLOOD PLAIN
	FEMA BASE FLOOD ELEV. LINE

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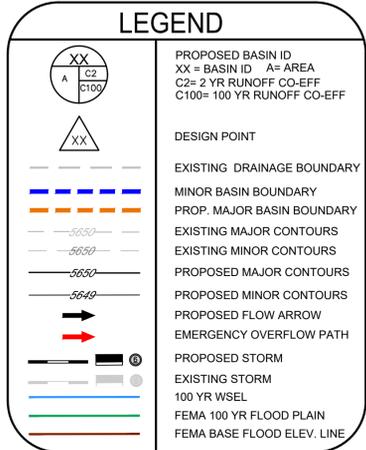
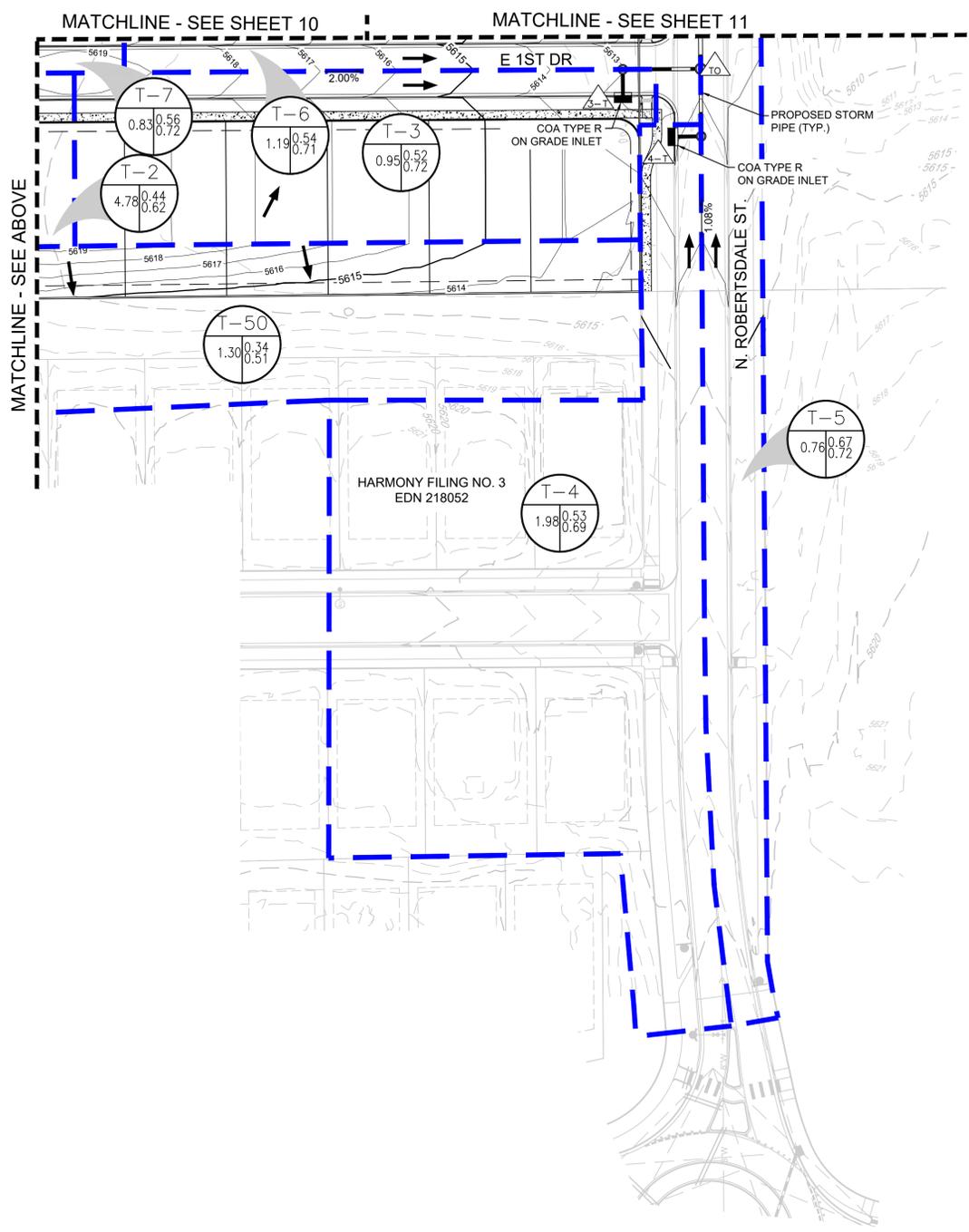
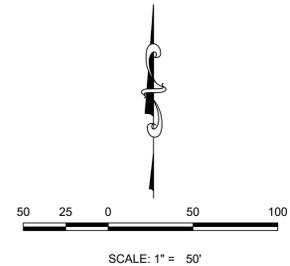
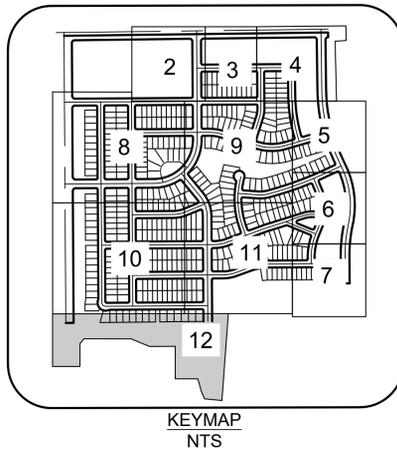
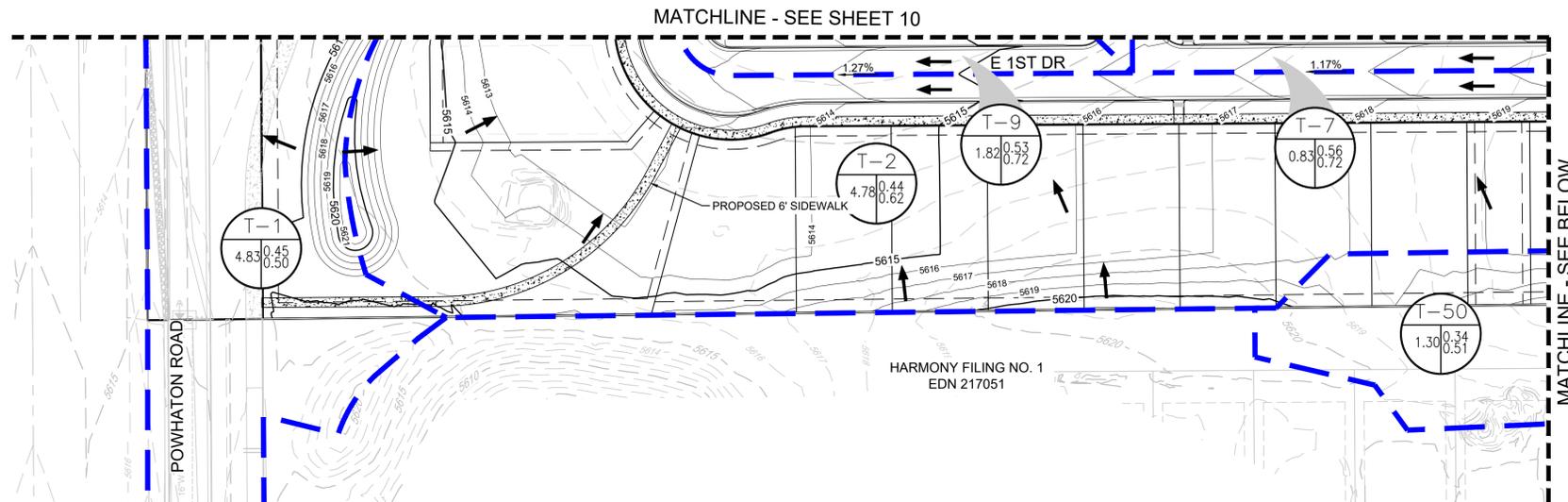
BASIS OF BEARINGS
BEARINGS ARE BASED IN ACCORDANCE WITH THE CITY OF AURORA HORIZONTAL CONTROL NETWORK, UPON THE NORTH LINE OF THE SOUTHWEST QUARTER OF SECTION 9, TOWNSHIP 4 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, BEING PUBLISHED TO BEAR NORTH 89°21'50" EAST, 2646.23 FEET (2646.25 FEET AS MEASURED) AND MONUMENTED AS SHOWN HEREON.

BENCH MARK
COA ID: 3S6508NW001. ELEVATIONS ARE BASED ON THE CITY OF AURORA AND COUNTY OF ADAMS BENCHMARK #3S3508NW001 A CITY OF AURORA AND COUNTY OF ADAMS 3-1/4" ALUMINUM CAP STAMPED (CITY OF AURORA B.M. 3S6508NW001, 2007), ON A 5" #6 REBAR, IN A 6" PVC PIPE WITH A CAP, LOCATED 27' SOUTHEAST OF THE SECTION CORNER TO SECTIONS 6, 5, 8, 7, TOWNSHIP 3 SOUTH, RANGE 65 WEST, 66.7 SOUTHEAST OF A YELLOW STEEL CONCRETE POST, 20' SOUTH OF THE CENTERLINE OF A DIRT ROAD (64TH AVENUE) AND 1.3 MILES EAST OF THE INTERSECTION OF E-470 AND 64TH AVENUE. ELEVATION = 5394.58' (NAVD1988) DATUM.

PREPARED UNDER THE SUPERVISION OF
BRIAN SCHAFFER
COLORADO P.E. 0057673

SHEET NUMBER 11	DRAWN BY:	SCALE:	AS SHOWN
	CHECKED BY:	FILE NO.:	
	DATE:	8/30/21	14922
<p>Westwood 10333 E DRY CREEK RD. SUITE 240 ENGLEWOOD, CO 80112 TEL: 720.482.9526</p> <p>Westwoodpro.com Westwood Professional Services, Inc.</p>			
<p>Melcor/TC Aurora, LLC C/O Marathon Land Company 9750 W. Cambridge Place Littleton, CO 80127 Tel: (303) 920-9400 Fax: (303) 920-9440</p>			
<p>HARMONY SUBDIVISION FILING NO. 16 PRELIMINARY DRAINAGE PLAN ON SITES AREA DRAINAGE MAPS</p>			
No.	Revisions	Date	Appr.

N:\PROJECTS\3017504 SAND CREEK\DCS\DRAINAGE\SP-6 SUN MEADOW\FILING 1702 PRELIMINARY DRAINAGE\ON SITE\PLANS\DRAWINGS\PRELIMINARY AREA DRAINAGE MAPS.DWG. RRM:MDM:12/14/22



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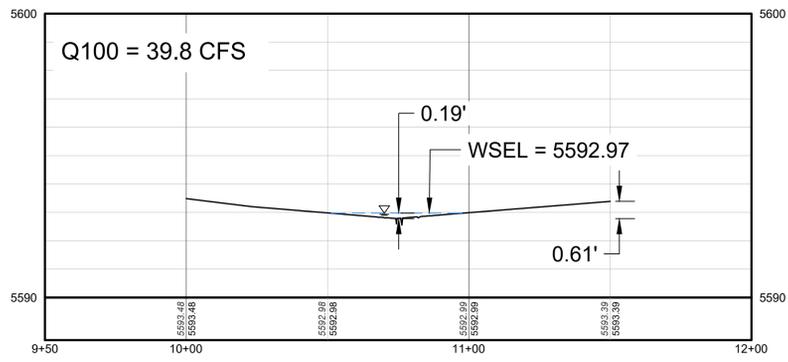
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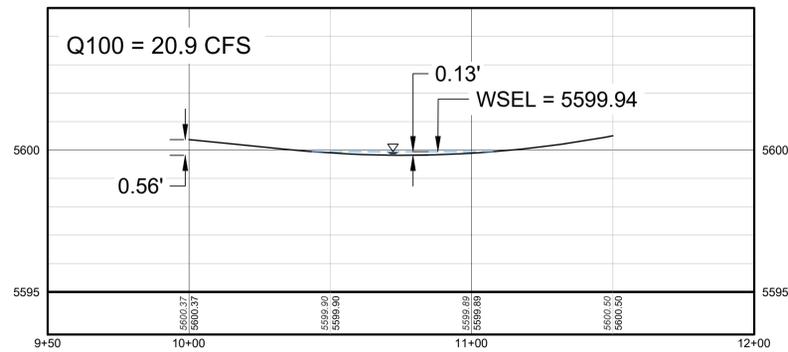
PREPARED UNDER THE SUPERVISION OF
 BRIAN SCHAFFER
 COLORADO P.E. 0057673

SHEET NUMBER	12	
	NO.	12
DRAWN BY:	AS SHOWN	FILE NO. 8130214922
CHECKED BY:	BS	DATE: DECEMBER 2022
SCALE:	AS SHOWN	
HARMONY SUBDIVISION FILING NO. 16 PRELIMINARY DRAINAGE PLAN ON SITES AREA DRAINAGE MAPS		
Melcor/TC Aurora, LLC C/O Marathon Land Company 9750 W. Cambridge Place Littleton, CO 80127 Tel: (303) 920-9400 Fax: (303) 920-9440		
Westwood 10333 E DRY CREEK RD. SUITE 240 ENGLEWOOD, CO 80112 TEL: 720.482.9526 Westwoodps.com Westwood Professional Services, Inc.		
Revisions	Date	Appr.

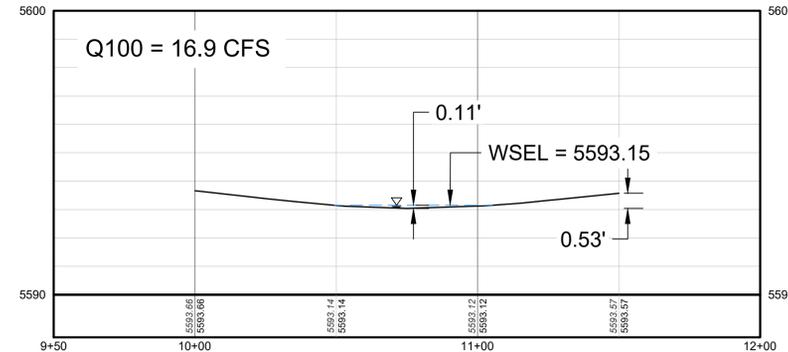
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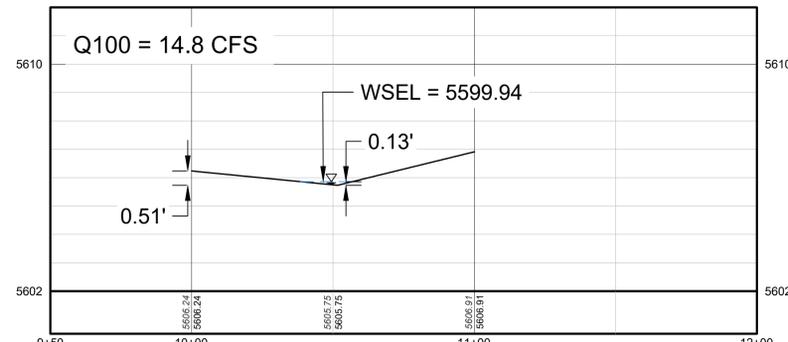
PROFILE: EMERGENCY OVERFLOW WEIR SECTION A-A
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 5'



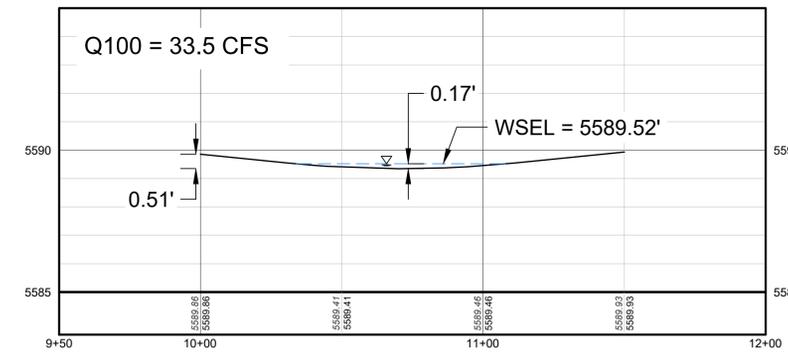
PROFILE: EMERGENCY OVERFLOW WEIR SECTION E-E
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 5'



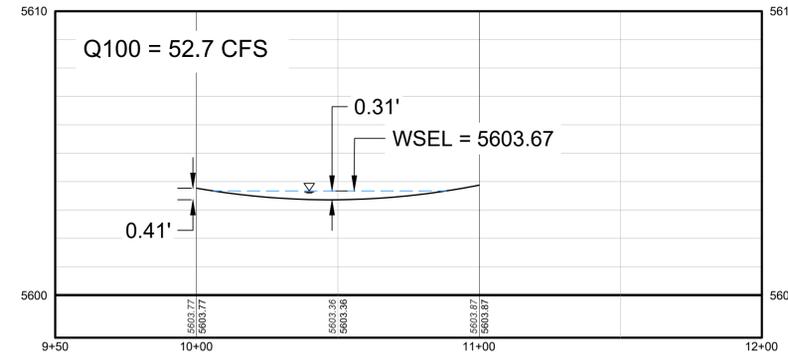
PROFILE: EMERGENCY OVERFLOW WEIR SECTION B-B
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 5'



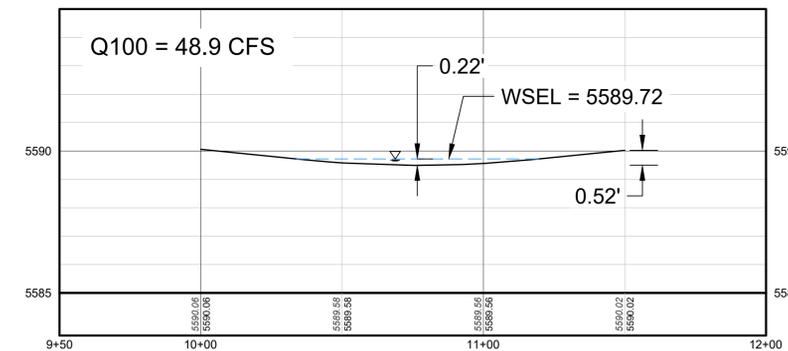
PROFILE: EMERGENCY OVERFLOW WEIR SECTION F-F
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 5'



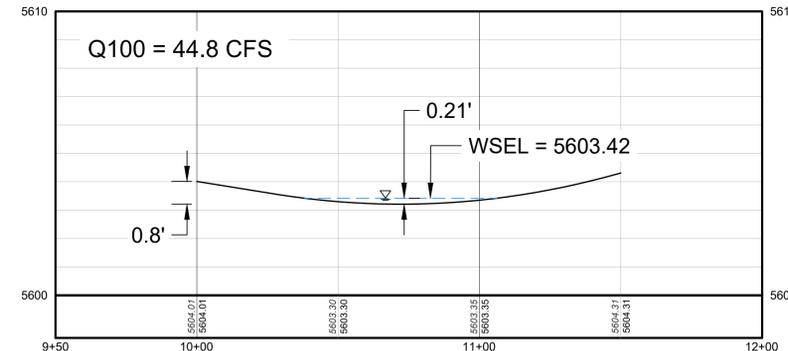
PROFILE: EMERGENCY OVERFLOW WEIR SECTION C-C
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 5'



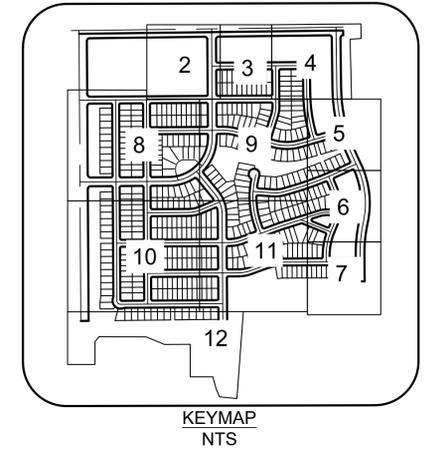
PROFILE: EMERGENCY OVERFLOW WEIR SECTION G-G
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 5'



PROFILE: EMERGENCY OVERFLOW WEIR SECTION D-D
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 5'



PROFILE: EMERGENCY OVERFLOW WEIR SECTION H-H
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 5'



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PREPARED UNDER THE SUPERVISION OF

BRIAN SCHAFFER
COLORADO P.E. 0057673

No.	Revisions	Date	Init.	Apr.	Date

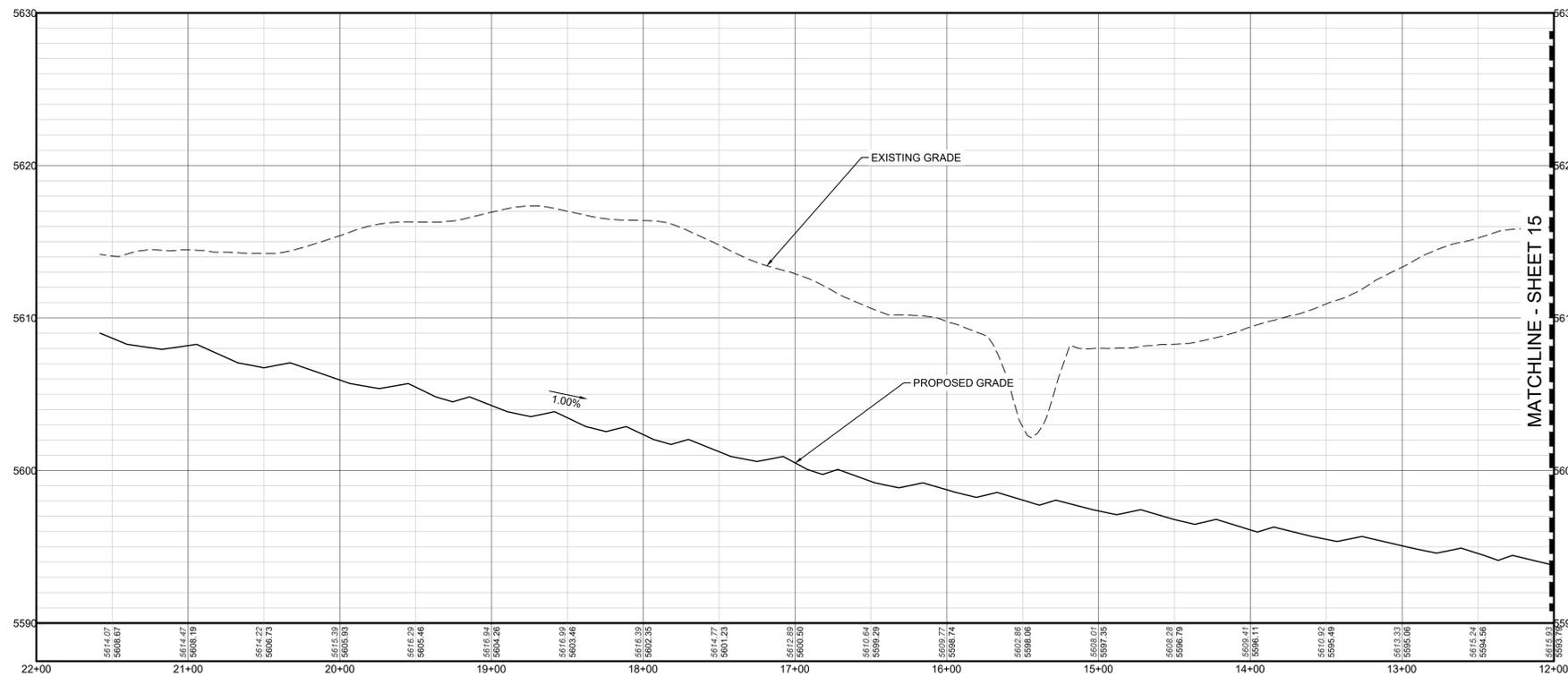
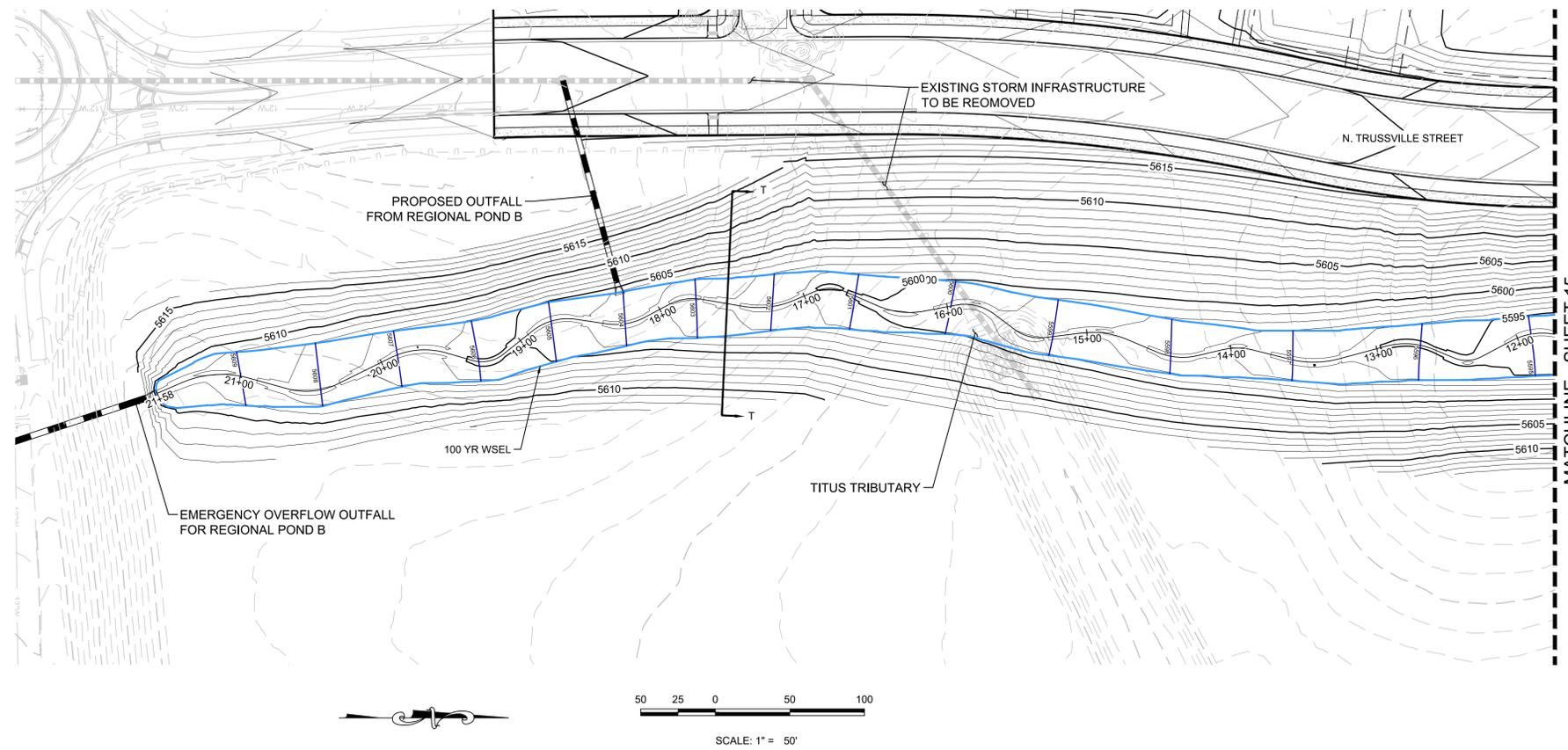
Westwood
10333 E DRY CREEK RD.
SUITE 240
ENGLEWOOD, CO 80112
TEL: 720.482.9526
Westwoodps.com
Westwood Professional Services, Inc.

Melcor/TC Aurora, LLC
C/O Marathon Land Company
9750 W. Cambridge Place
Littleton, CO 80127
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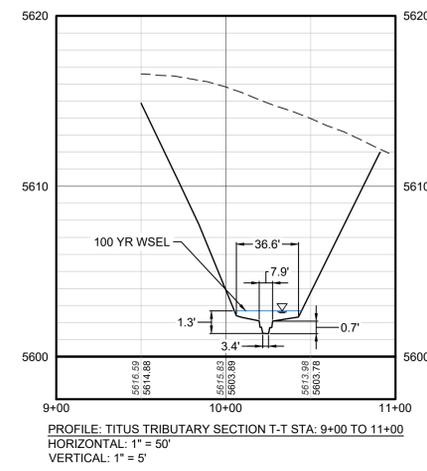
HARMONY SUBDIVISION FILING NO. 16
PRELIMINARY DRAINAGE PLAN ON SITES
EMERGENCY OVERFLOW CROSS SECTIONS

SCALE: AS SHOWN
FILE NO: 8130214922
DRAWN BY: BS
CHECKED BY: BS
DATE: DECEMBER 2022
SHEET NUMBER 13

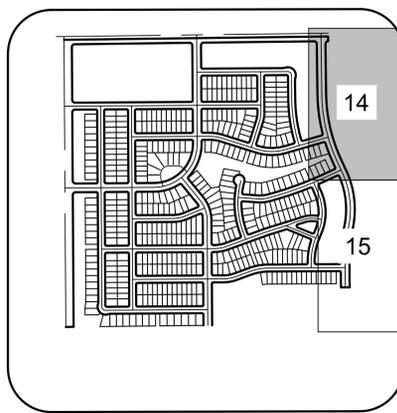
N:\PROJECTS\3017504 SAND CREEK\CA\ENGINEERING\SHEET SET\DRCD\DRCD FILING\CHANNEL.PWP.DWG. RNMCMACHON. 12/14/22



PROFILE: TITUS TRIBUTARY STA: 22+00.00 TO 12+00.00
 HORIZONTAL: 1" = 50'
 VERTICAL: 1" = 5'



PROFILE: TITUS TRIBUTARY SECTION T-T STA: 9+00 TO 11+00
 HORIZONTAL: 1" = 50'
 VERTICAL: 1" = 5'



KEYMAP
NTS

LEGEND

- 100-YEAR WSEL
- 100-YEAR BASE FLOOD ELEV. LINE
- FEMA 100 YEAR FLOOD PLAIN
- FEMA BASE FLOOD ELEV. LINE
- 5615 EXISTING MAJOR CONTOUR
- 5616 EXISTING MINOR CONTOUR
- 5620 PROPOSED MAJOR CONTOUR
- 5607 PROPOSED MINOR CONTOUR
- PROPOSED FLOW ARROW
- - - PROPOSED STORM
- - - EXISTING STORM

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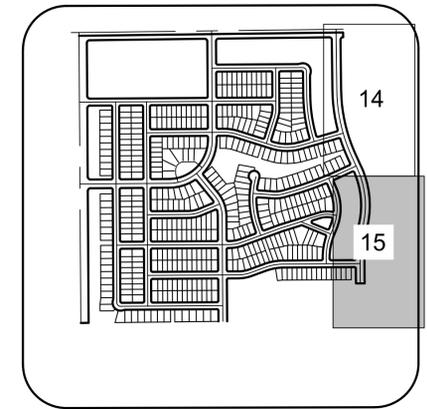
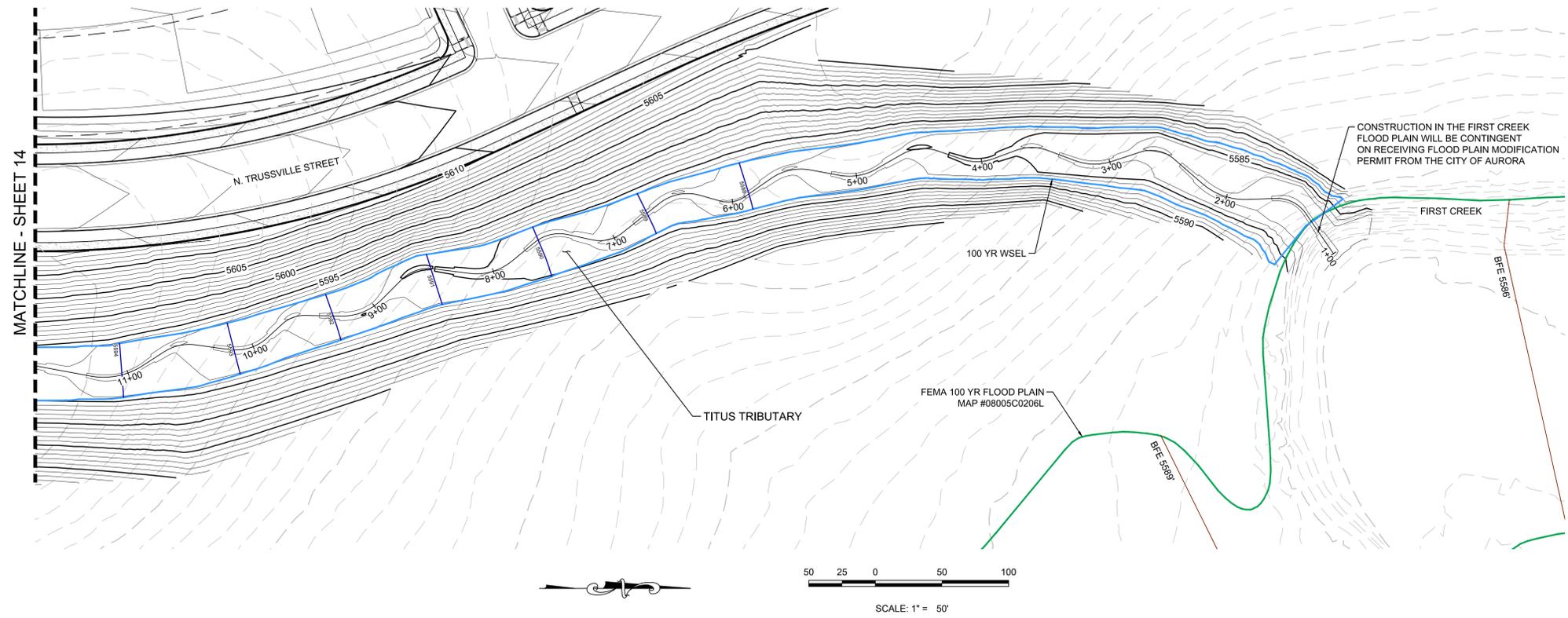
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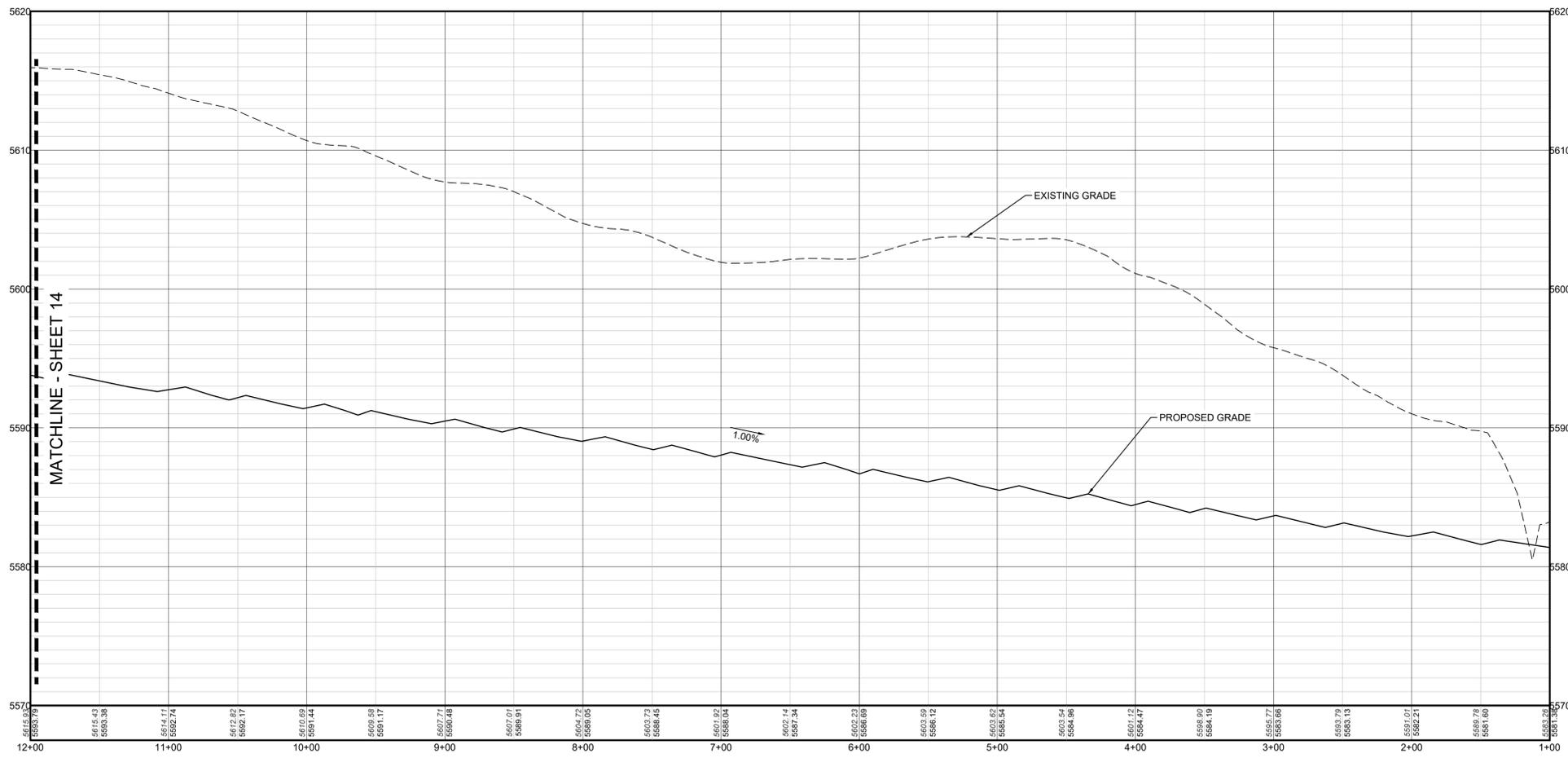
14	DRAWN BY:	AS SHOWN	SCALE:	AS SHOWN
	CHECKED BY:	BS	FILE NO.:	8130214922
DATE:	DECEMBER 2022			
SHEET NUMBER				
<p>Westwood 10333 E DRY CREEK RD. SUITE 240 ENGLEWOOD, CO 80112 TEL: 720.482.9526 Westwoodps.com Westwood Professional Services, Inc.</p>				
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<p>HARMONY SUBDIVISION FILING NO. 16 PRELIMINARY DRAINAGE PLAN ONSITES CHANNEL P&P</p>				
Revisions	No.	Date	Init.	Date

N:\PROJECTS\2017\504 SAND CREEK\CAD\ENGINEERING\SHEET SET\DRCD\DRCD FILING\BCHANNEL.PRP.DWG. RNMCMACHON, 12/14/22



LEGEND

- 100-YEAR WSEL
- 100-YEAR BASE FLOOD ELEV. LINE
- FEMA 100 YEAR FLOOD PLAIN
- FEMA BASE FLOOD ELEV. LINE
- 5615 EXISTING MAJOR CONTOUR
- 5616 EXISTING MINOR CONTOUR
- 5620 PROPOSED MAJOR CONTOUR
- 5607 PROPOSED MINOR CONTOUR
- PROPOSED FLOW ARROW
- PROPOSED STORM
- EXISTING STORM



PROFILE: TITUS TRIBUTARY STA: 12+00.00 TO 1+00.00
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 5'

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 BEARINGS ARE BASED IN ACCORDANCE WITH THE CITY OF AURORA HORIZONTAL CONTROL NETWORK, UPON THE NORTH LINE OF THE SOUTHWEST QUARTER OF SECTION 9, TOWNSHIP 4 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, BEING PUBLISHED TO BEAR NORTH 89°21'50" EAST, 2646.23 FEET (2646.25 FEET AS MEASURED) AND MONUMENTED AS SHOWN HEREON.

BENCH MARK
 COA ID: 3S6508NW001. ELEVATIONS ARE BASED ON THE CITY OF AURORA AND COUNTY OF ADAMS BENCHMARK #3S3508NW001 A CITY OF AURORA B.M. 3S6508NW001, 2007), ON A 6" PVC PIPE WITH 1/4" CAP, LOCATED 27' SOUTHEAST OF THE SECTION CORNER TO SECTIONS 6, 5, 8, 7, TOWNSHIP 3 SOUTH, RANGE 65 WEST, 66.7 SOUTHEAST OF A YELLOW STEEL CONCRETE POST, 20' SOUTH OF THE CENTERLINE OF A DIRT ROAD (64TH AVENUE) AND 1.3 MILES EAST OF THE INTERSECTION OF E-470 AND 64TH AVENUE. ELEVATION = 5394.58' (NAVD1988) DATUM.

PREPARED UNDER THE SUPERVISION OF

BRIAN SCHAFFER
 COLORADO P.E. 0057673

<p>Westwood 10333 E DRY CREEK RD. SUITE 240 ENGLEWOOD, CO 80112 TEL: 720.482.9526</p> <p>Westwoodps.com Westwood Professional Services, Inc.</p>	<p>Revisions</p> <table border="1"> <tr><th>No.</th><th>Date</th><th>Init.</th><th>Appr.</th></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>	No.	Date	Init.	Appr.				
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<p>Melcor/TC Aurora, LLC C/O Marathon Land Company 9750 W. Cambridge Place Littleton, CO 80127 Tel: (303) 920-9400 Fax: (303) 920-9440</p>	<p>HARMONY SUBDIVISION FILING NO. 16 PRELIMINARY DRAINAGE PLAN ONSITES CHANNEL P&P</p>								
<p>SCALE: AS SHOWN</p>	<p>FILE NO: 8130214922</p>								
<p>DRAWN BY:</p>	<p>CHECKED BY: BS</p>								
<p>DATE: DECEMBER 2022</p>	<p>SHEET NUMBER 15</p>								