

**LEGEND**

PR. SANITARY SEWER LINE 12"

EX. SANITARY SEWER LINE

PR. FORCE MAIN **FM** **FM**

ROW/PROPERTY LINE

PLANNING AREA BOUNDARY

PROPERTY BOUNDARY

EX. MAJOR CONTOUR (25') - 5050

EX. MINOR CONTOUR (5') - 5045

FLOW DIRECTION

WATERSHED BOUNDARY

DESIGN POINT OFFSITE BASIN DESIGNATION OS-1

BASIN FLOW (MGD) 6.35

**BASIN LEGEND**

TAH BASIN 1

TAH BASIN 2

TAH BASIN 3

**OFFSITE BASIN SUMMARY**

BASIN	APPROXIMATE ACERAGE	PEAK FLOW + INFIL (MGD)
OS-2	364.0	1.75
OS-5	730.0	3.27
OS-6	56.4	0.24
OS-7	67.8	0.42

DESIGN POINT	PEAK FLOW (MGD)	ESTIMATED PIPE SLOPE (%)	ESTIMATED PIPE SIZE (IN)	PIPE NAME	ESTIMATED VELOCITY (FPS)	% FULL FLOW
1	1.75	0.40%	15	SS-1	4.0	53.5%
2.1	1.90	0.40%	15	SS-2	4.1	56.3%
2.2	1.07	0.40%	12	SS-4	3.6	57.1%
2.2	0.40	0.40%	8	SS-5	2.8	60.8%
2.2	3.31	0.40%	18	SS-6	4.7	58.9%
2.2	0.43	0.40%	10	SS-7	2.9	44.3%
2.2	0.81	0.40%	10	SS-8	3.3	65.5%
3.1	1.20	0.40%	12	SS-9	3.7	61.5%
3.2	1.53	0.40%	12	SS-10	3.8	73.4%
3.3	4.57	0.40%	18	SS-11	5.0	74.2%
4	0.21	0.40%	8	SS-12	2.4	41.4%
4	0.14	0.40%	8	SS-13	2.1	33.3%
5.1	0.41	1.60%	10	SS-14	4.7	29.8%
5.2	0.10	0.50%	8	SS-15	1.9	28.0%
5.2	0.50	0.40%	10	SS-16	3.0	48.4%
5.3	5.10	0.25%	24	SS-17	4.4	55.3%
6	0.05	0.40%	8	SS-18	1.6	19.8%
6	0.38	0.40%	8	SS-19	2.8	63.8%
7	5.37	0.25%	24	SS-20	4.5	57.1%
8	3.27	0.25%	18	SS-21	3.9	68.6%
9.1	0.38	0.40%	8	SS-23	2.8	58.8%
9.2	0.30	0.40%	8	SS-24	2.6	50.8%
9.2	0.69	0.40%	10	SS-25	3.2	58.8%
9.3	1.18	0.40%	12	SS-26	3.7	60.8%
10	4.25	0.25%	24	SS-27	4.3	50.0%
11.1	0.32	0.40%	8	SS-28.1	2.6	52.8%
11.2	5.82	0.25%	24	SS-28	4.6	61.7%
12	10.35	0.25%	30	SS-29	5.3	61.5%
13	10.59	0.25%	30	SS-30	5.3	61.6%
14	10.89	0.25%	30	SS-31	5.3	62.3%
14	0.09	0.40%	8	SS-32	2.0	25.1%
15	0.36	0.40%	8	SS-33	2.7	56.8%
16	0.48	0.40%	8	SS-34	2.9	69.1%
17	0.61	1.00%	8	SS-35	4.4	59.4%
18	0.78	0.88%	12	SS-37	4.4	37.9%
19	0.36	0.40%	8	SS-38.1	2.7	56.8%
19	1.32	0.25%	36	SS-38	2.9	15.5%
19	0.33	0.40%	8	SS-39	2.7	53.8%
20	0.68	0.40%	10	SS-40	3.2	58.3%
21	2.46	0.25%	36	SS-41	3.5	21.0%
22	13.02	0.25%	36	SS-42	5.6	44.5%
22	1.70	0.50%	8	SS-43	4.3	73.0%
25	4.59	0.40%	18	SS-45	5.0	74.5%

DRAWN BY: K LH      JOB DATE: 4/2024

APPROVED: RWL      JOB NUMBER: 181211.47

CAD DATE: 5/30/2024 3:10:52 PM

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BAR IS ONE INCH ON OFFICIAL DRAWINGS. 0" = 1"

IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION
1	10/2019	KH	REMOVED SEC. 21 & 28 FROM PROJECT
2	11/2022	KH	REVISED AREA AND LAND USE IN PA-55
3	4/2024	KH	REVISED AREA AND LAND USE

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AURORA HIGHLANDS, LLC  
AURORA, COLORADO

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MASTER UTILITY REPORT - AMENDMENT 3  
OVERALL SANITARY BASIN MAP

SHEET NO.  
SS1

APPROVED ONE YEAR FROM THIS DATE

CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

AURORA WATER - UTILITIES DEPARTMENT \_\_\_\_\_ DATE \_\_\_\_\_

FIRE DEPARTMENT \_\_\_\_\_ DATE \_\_\_\_\_





DRAWN BY: KJH JOB DATE: 05/2024  
APPROVED: RWL JOB NUMBER: 180725  
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NO.	DATE	BY	REVISION DESCRIPTION
1	8/2019	KH	REMOVED SEC. 21 & 28 FROM PROJECT
2	11/2022	KH	REVISED AREA AND LAND USE IN PA-55
3	5/2024	KH	REVISED AREAS, UNIT COUNTS AND LAND USES



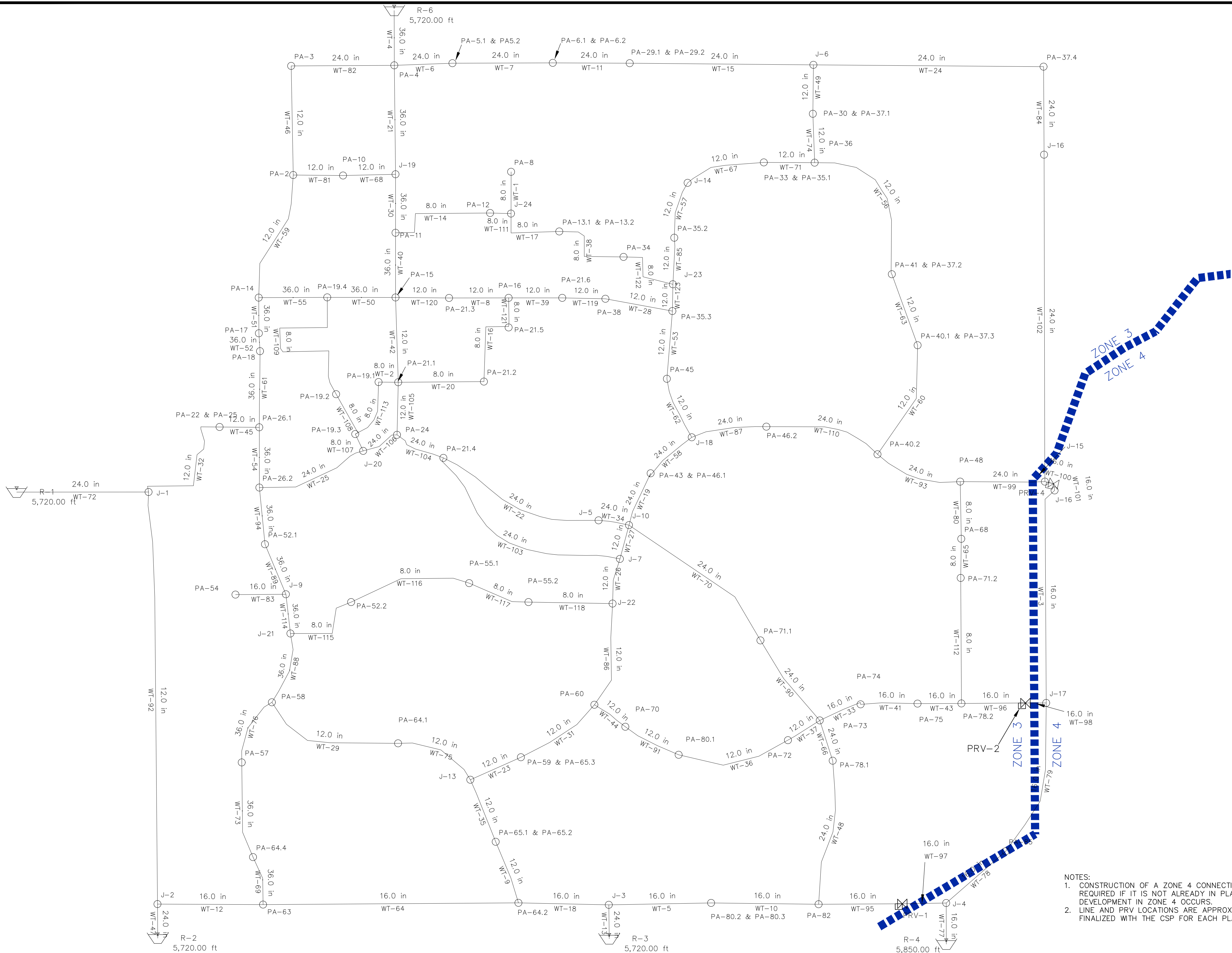
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MASTER UTILITY REPORT – AMENDMENT 3  
MASTER WATER PLAN

SHEET NO.  
WT1

X:\eris\OUTPUT\00EUT\00LandUse\00BoundaryHatch\00EMA\_REV1: 47-XI-ROW



- LEGEND
- PA-85 DEMAND NODE
  - J-17 JUNCTION NODE
  - ⊗ PRV-1 PRESSURE REDUCING VALVE
  - ▽ R-4 RESERVOIR

0 N/A  
NOT TO SCALE



- NOTES:
1. CONSTRUCTION OF A ZONE 4 CONNECTION WILL BE REQUIRED IF IT IS NOT ALREADY IN PLACE WHEN DEVELOPMENT IN ZONE 4 OCCURS.
  2. LINE AND PRV LOCATIONS ARE APPROXIMATE AND WILL BE FINALIZED WITH THE CSP FOR EACH PLANNING AREAS.

DRAWN BY: KLH JOB DATE: 02/2019  
APPROVED: RWL JOB NUMBER: 180725  
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MASTER UTILITY REPORT – AMENDMENT 3  
MASTER WATER SCHEMATIC

SHEET NO.  
WT2