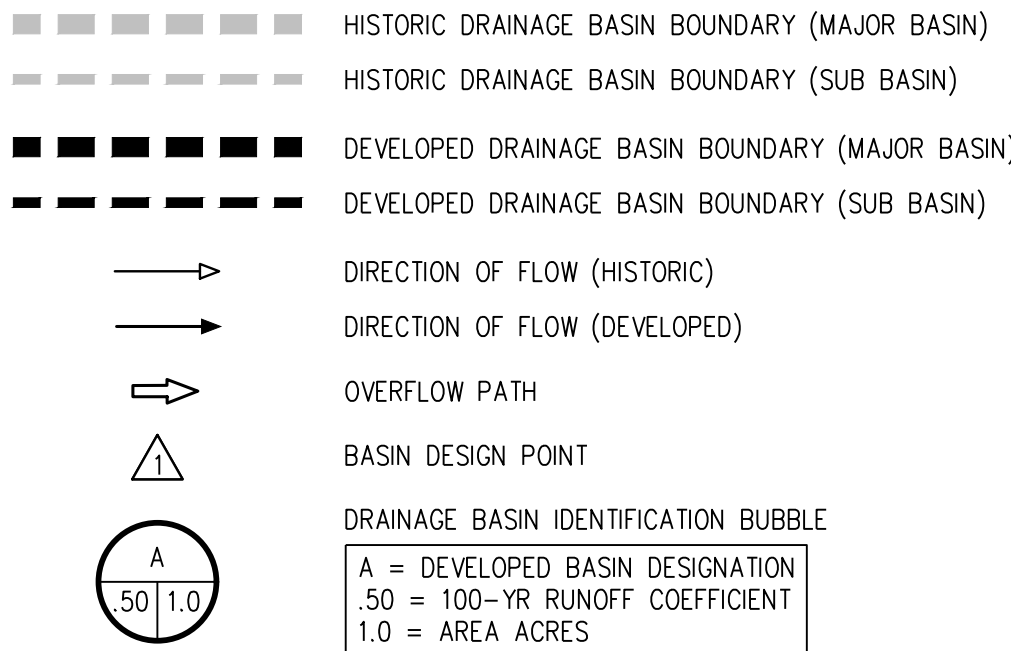


## DRAINAGE MAP LEGEND



## NOTES:

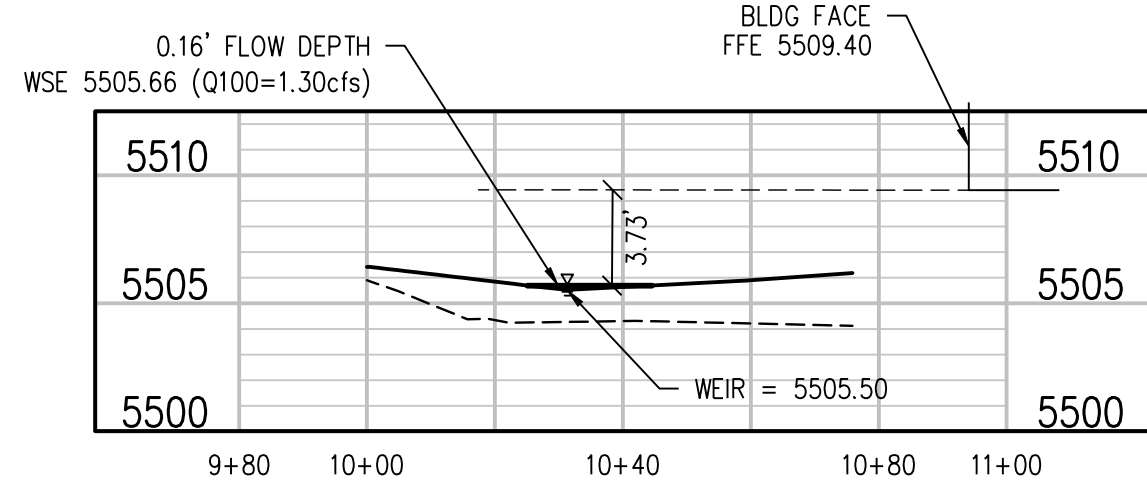
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- ALL SWALES AND DITCHES ARE PRIVATELY MAINTAINED.

## BENCHMARK:

COA ID: 456609SW002  
ELEVATION: 5504.48 (NAVD 88)  
DESCRIPTION: CHISELED SW COR CONC PED. OF STREET LIGHT #38-91 ON THE E SIDE OF AIRPORT BLVD. @ 100' +/- S OF E. CENTRETECH PKWY BEING ON THE W. SIDE OF AIRPORT BLVD REV. EXT NOT., REV. DESC. FROM ELLSWORTH TO CENTRETECH PKY.

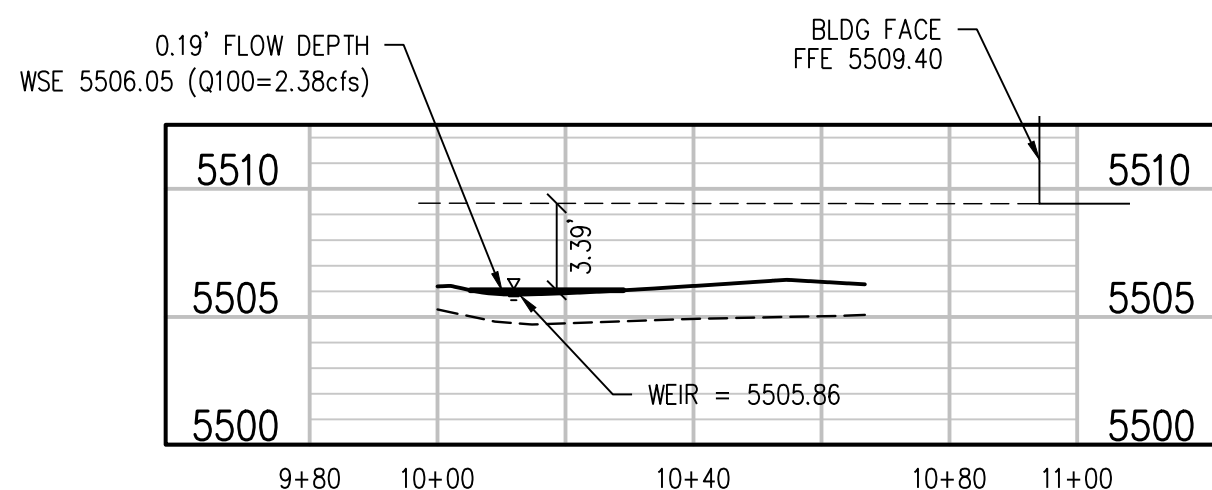
DEVELOPED RUNOFF SUMMARY TABLE

BASIN	DESIGN POINT	AREA (ACRES)	2-YR RUNOFF COEFF.	100-YR RUNOFF COEFF.	2-YR RUNOFF (CFS)	100-YR RUNOFF (CFS)	% Imperviousness
R	1	1.27	0.79	0.87	2.92	9.12	95%
P1	2	0.23	0.39	0.69	0.26	1.30	51%
P2	3	0.36	0.64	0.81	0.90	2.38	79%
P3	4	0.32	0.79	0.87	0.74	2.31	95%
P4	5	0.06	0.62	0.80	1.65	0.40	76%
P5	6	0.30	0.42	0.71	1.77	1.45	54%
P6	7	0.20	0.64	0.81	0.38	1.35	79%
P7	8	0.54	0.29	0.64	0.36	2.28	39%
P8	9	0.22	0.58	0.78	0.37	1.41	72%
P9	10	0.25	0.65	0.81	0.44	1.55	80%
P10	11	0.10	0.48	0.73	0.12	0.51	61%
A1	12	0.13	0.70	0.83	0.26	0.86	86%
A2	13	0.03	0.79	0.87	0.07	0.23	95%
A3	14	0.09	0.29	0.64	0.07	0.44	39%
A4	15	0.21	0.37	0.68	0.21	1.11	48%
A5	16	0.16	0.66	0.82	0.30	1.05	81%
A6	17	0.22	0.14	0.57	0.08	0.92	20%
Z1	18	0.31	0.77	0.87	0.71	2.23	94%
Z2	19	0.34	0.79	0.87	0.77	2.41	95%
Z3	20	0.57	0.79	0.87	1.31	4.08	95%
Z4	21	0.26	0.79	0.87	0.59	1.85	95%
Z5	22	0.40	0.67	0.82	0.78	2.69	82%



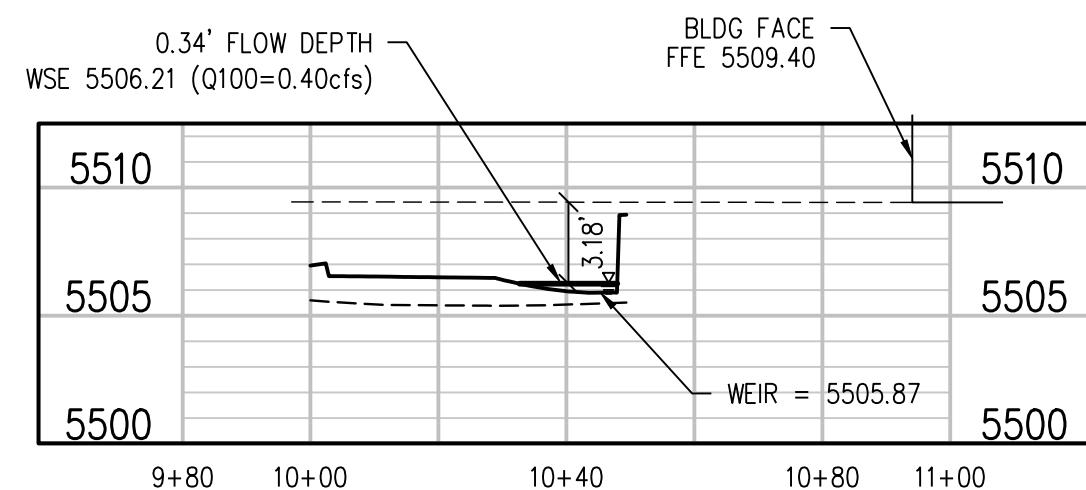
P1 Weir (A-A) Cross Section

SCALE: 1"=30' HORIZ  
1"=8' VERT



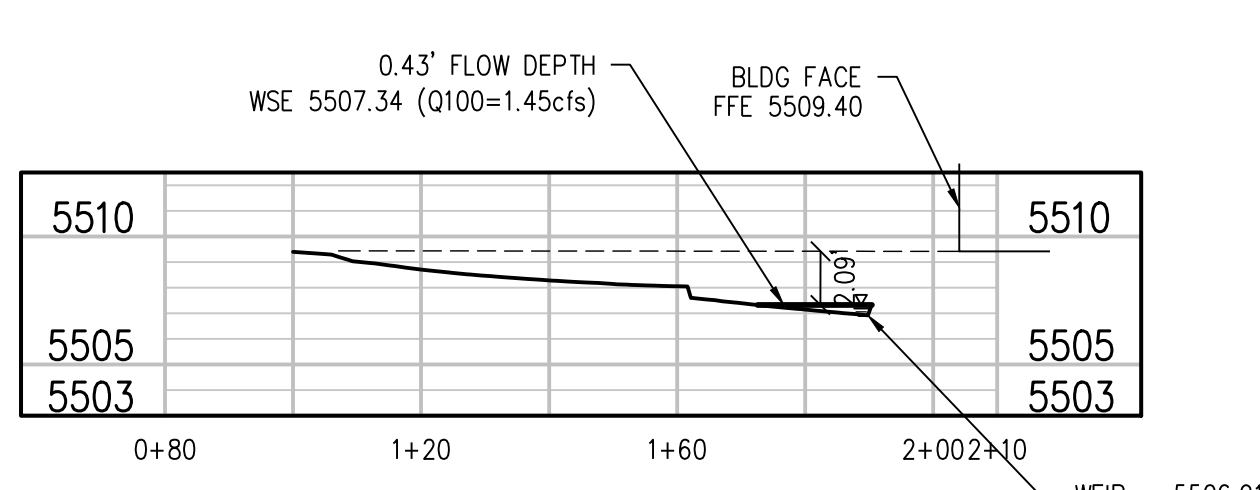
P2 Weir (B-B) Cross Section

SCALE: 1"=30' HORIZ  
1"=8' VERT



P4 Weir (D-D) Cross Section

SCALE: 1"=30' HORIZ  
1"=8' VERT



P5 Weir (E-E) Cross Section

SCALE: 1"=30' HORIZ  
1"=8' VERT

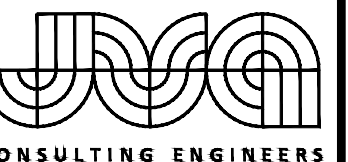
DETENTION SUMMARY TABLE

	VOLUME (AC-FT)	VOLUME (CF)	DEPTH (FT)	WATER SURFACE ELEV	RELEASE RATE (CFS)
WQV	0.111	4835	2.71	5501.62	0.1
EURV	0.326	14200	5.05	5503.96	2.4
100-YR	0.423	18425	5.82	5504.73	6.2

Approved For One Year From This Date

Aurora Water - Drainage Division

Date



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REVISION DESCRIPTION

NO. DATE DESD DWN

PRELIMINARY  
NOT FOR  
CONSTRUCTION

DESIGNED BY: AMP/TWW  
DRAWN BY: CMS  
CHECKED BY: HMM  
JOB #: 3533c  
DATE: AUG, 2024  
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PICKENS TECHNOLOGY CENTER FILING  
#05 - LOT 2, BLOCK 1

PRELIMINARY DEVELOPED DRAINAGE MAP

SHEET NO.

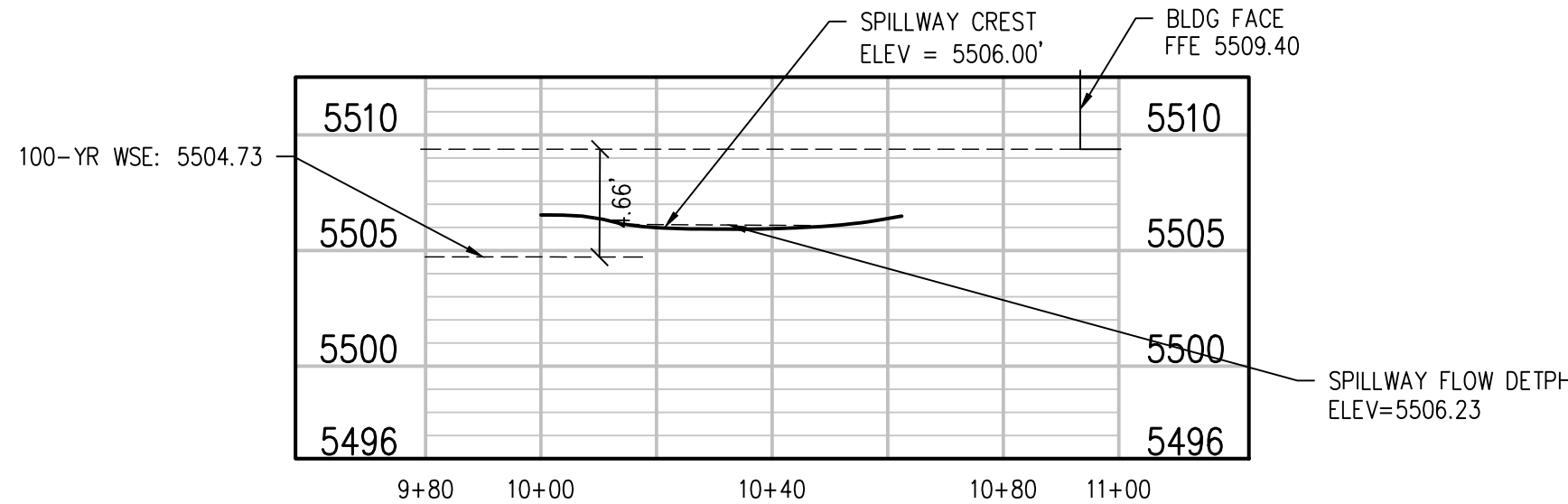
FIG 1



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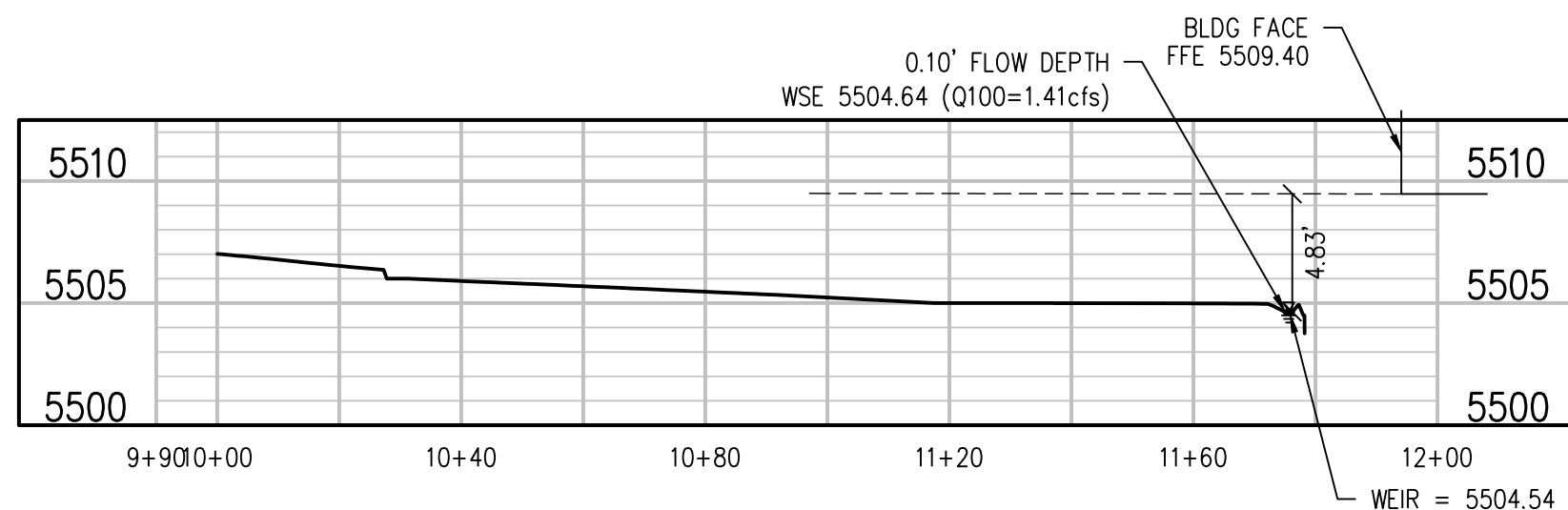
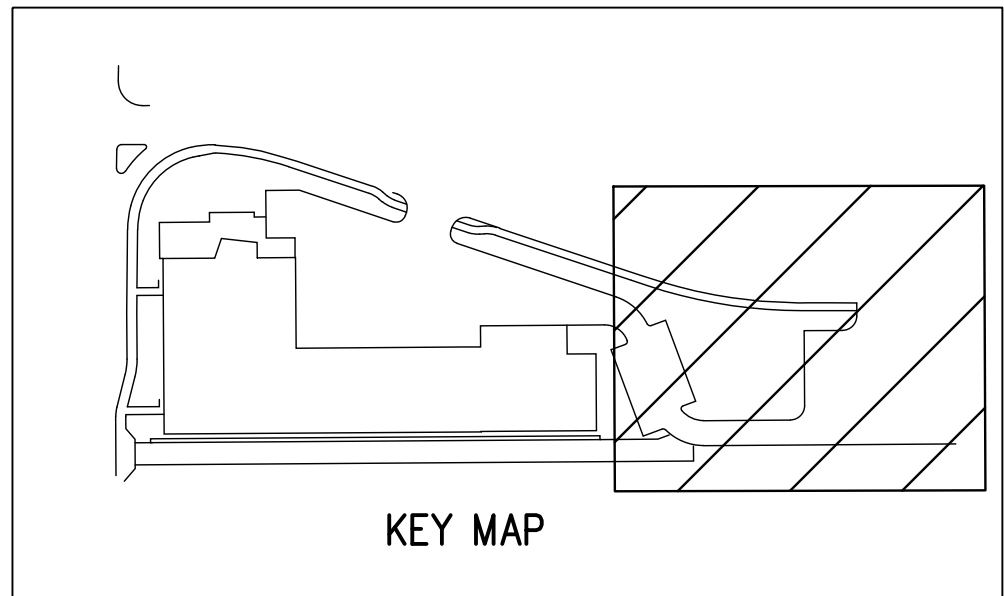
DEVELOPED RUNOFF SUMMARY TABLE							
BASIN	DESIGN POINT	AREA (ACRES)	2-YR RUNOFF COEFF.	100-YR RUNOFF COEFF.	2-YR RUNOFF (CFS)	100-YR RUNOFF (CFS)	% Imperviousness
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P3	4	0.32	0.79	0.87	0.74	2.31	95%
P4	5	0.06	0.62	0.80	1.65	0.40	76%
P5	6	0.30	0.42	0.71	1.77	1.45	54%
P6	7	0.20	0.64	0.81	0.38	1.35	79%
P7	8	0.54	0.29	0.64	0.36	2.28	39%
P8	9	0.22	0.58	0.78	0.37	1.41	72%
P9	10	0.25	0.65	0.81	0.44	1.55	80%
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Z3	20	0.57	0.79	0.87	1.31	4.08	95%
Z4	21	0.26	0.79	0.87	0.59	1.85	95%
Z5	22	0.40	0.67	0.82	0.78	2.69	82%

DETENTION SUMMARY TABLE					
	VOLUME (AC-FT)	VOLUME (CF)	DEPTH (FT)	WATER SURFACE ELEV	RELEASE RATE (CFS)
WQCV	0.111	4835	2.71	5501.62	0.1
EURV	0.326	14200	5.05	5503.96	2.4
100-YR	0.423	18425	5.82	5504.73	6.2



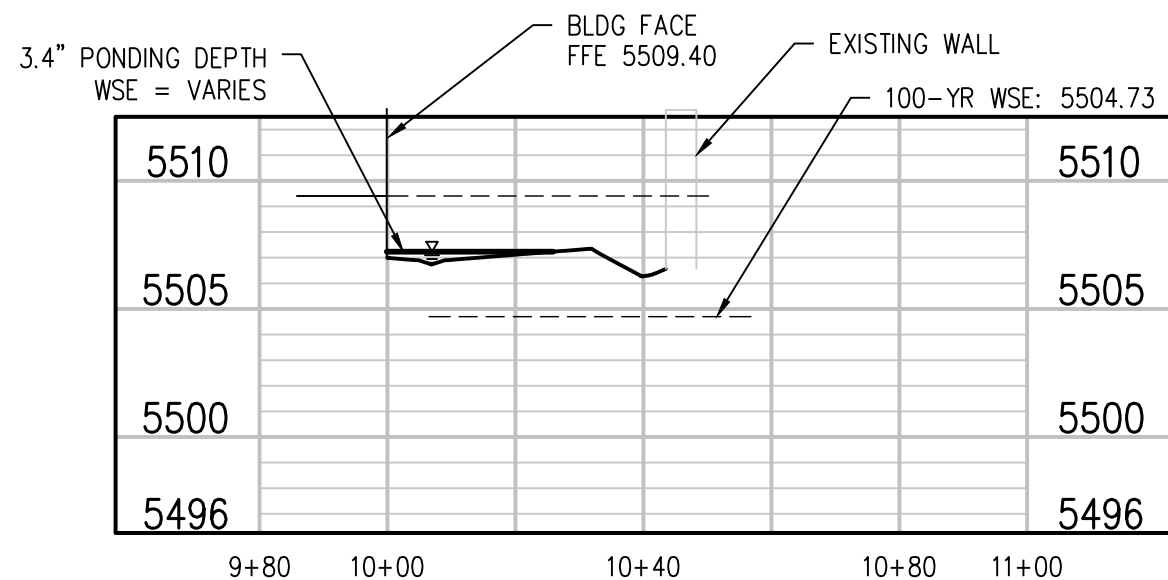
Spillway Cross Section (K-K) Cross Section

SCALE: 1"=30' HORIZ  
1"=8' VERT



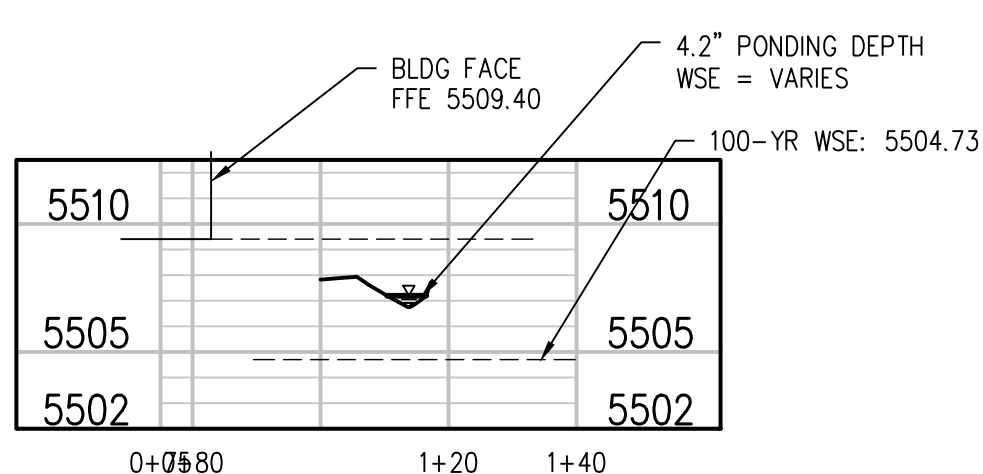
P8 Weir (G-G) Cross Section

SCALE: 1"=30' HORIZ  
1"=8' VERT



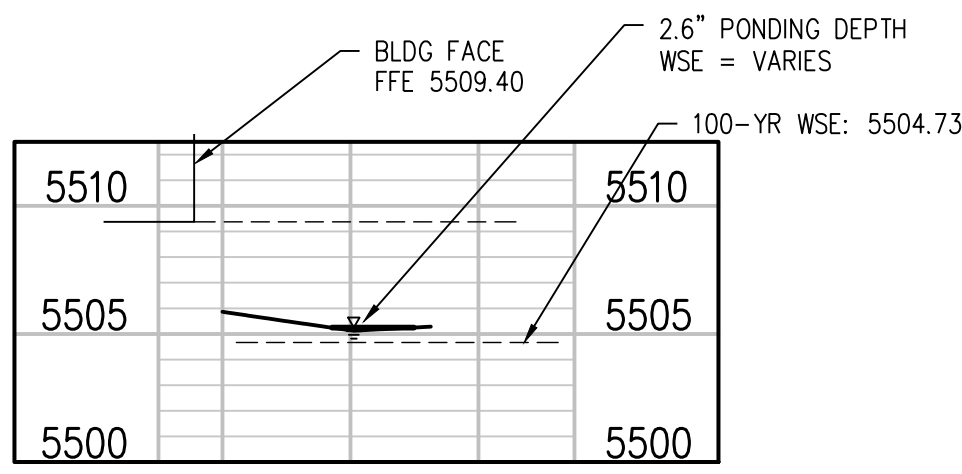
Concrete Pan Cross Section (H-H) Cross Section

SCALE: 1"=30' HORIZ  
1"=8' VERT



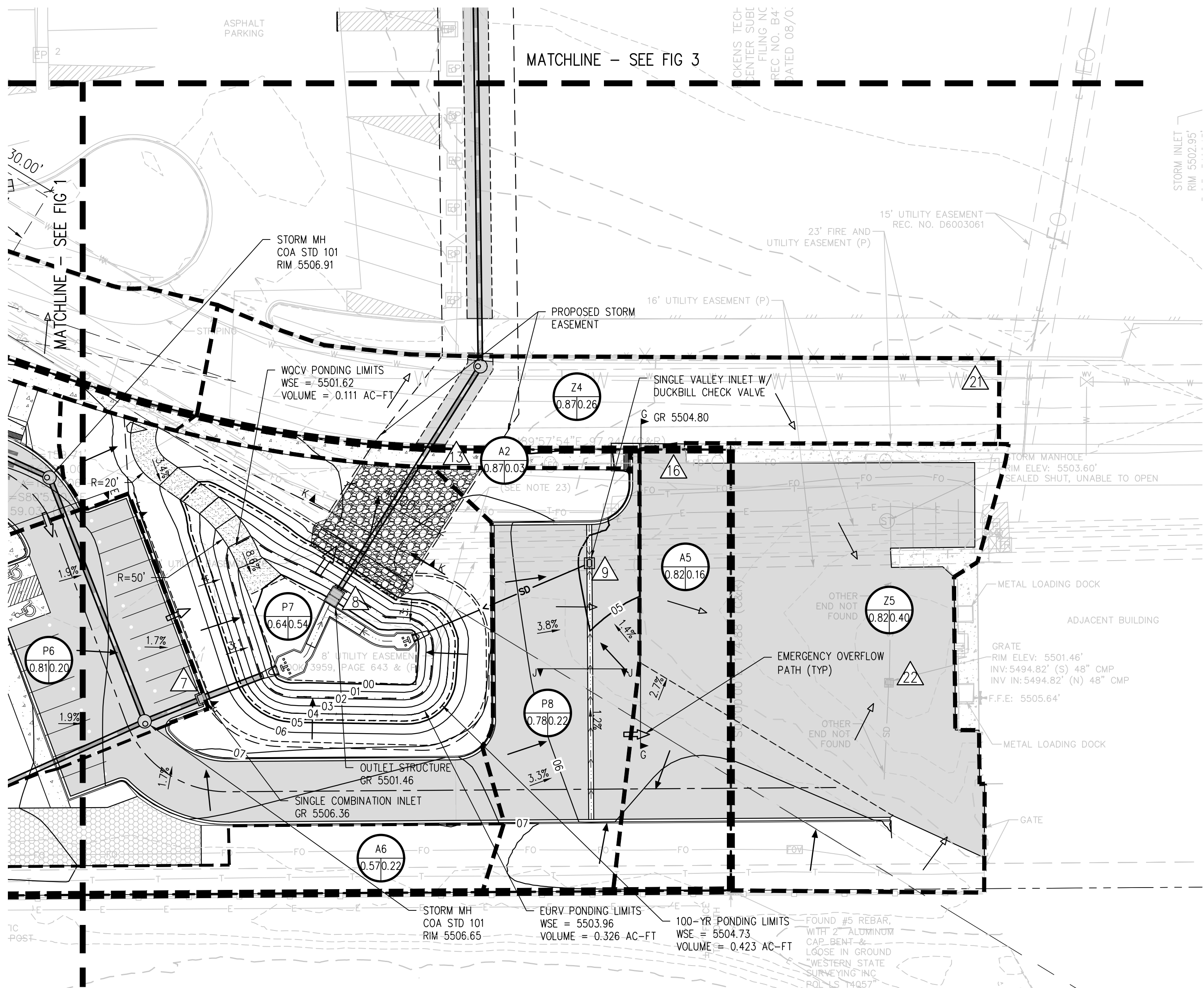
South Swale Section (I-I) Cross Section

SCALE: 1"=30' HORIZ  
1"=8' VERT



Eastern Pan (J-J) Cross Section

SCALE: 1"=30' HORIZ  
1"=8' VERT



DRAINAGE MAP LEGEND

- HISTORIC DRAINAGE BASIN BOUNDARY (MAJOR BASIN)
- HISTORIC DRAINAGE BASIN BOUNDARY (SUB BASIN)
- DEVELOPED DRAINAGE BASIN BOUNDARY (MAJOR BASIN)
- DEVELOPED DRAINAGE BASIN BOUNDARY (SUB BASIN)
- DIRECTION OF FLOW (HISTORIC)
- DIRECTION OF FLOW (DEVELOPED)
- OVERFLOW PATH
- BASIN DESIGN POINT
- DRAINAGE BASIN IDENTIFICATION BUBBLE
  - A = DEVELOPED BASIN DESIGNATION
  - .50 = 100-YR RUNOFF COEFFICIENT
  - 1.0 = AREA ACRES

NOTES:

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BENCHMARK:

COA ID: 456609SW002  
ELEVATION: 5,504.48 (NAVD 88)  
DESCRIPTION: CHISELED SQ SW COR CONC PED. OF STREET LIGHT #38-91 ON THE E SIDE OF AIRPORT BLVD. @ 100' +/- S OF E. CENTRETECH PKWY BEING ON THE W. SIDE OF AIRPORT BLVD REV. EXT NOT., REV. DESC. FROM ELLSWORTH TO CENTRETECH PKY.

Approved For One Year From This Date

Aurora Water - Drainage Division

Date



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CONSTRUCTION

DESIGNED BY: AMP/TWW  
DRAWN BY: CMS  
CHECKED BY: HMM  
JOB #: 3533c  
DATE: AUG, 2024  
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#05 - LOT 2, BLOCK 1

PRELIMINARY DEVELOPED DRAINAGE MAP

SHEET NO.

FIG 2



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DETENTION SUMMARY TABLE					
	VOLUME (AC-FT)	VOLUME (CF)	DEPTH (FT)	WATER SURFACE ELEV.	RELEASE RATE (CFS)
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100-YR	0.423	18425	5.82	5504.73	6.2

DEVELOPED RUNOFF SUMMARY TABLE							
Basin	Design Point	Area (Acres)	2-Yr Runoff Coeff.	100-Yr Runoff Coeff.	2-Yr Runoff (Cfs)	100-Yr Runoff (Cfs)	% Imperviousness
R	1	1.27	0.79	0.87	2.92	9.12	95%
P1	2	0.23	0.38	0.69	0.26	1.30	51%
P2	3	0.36	0.64	0.81	0.90	2.38	79%
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DRAINAGE MAP LEGEND

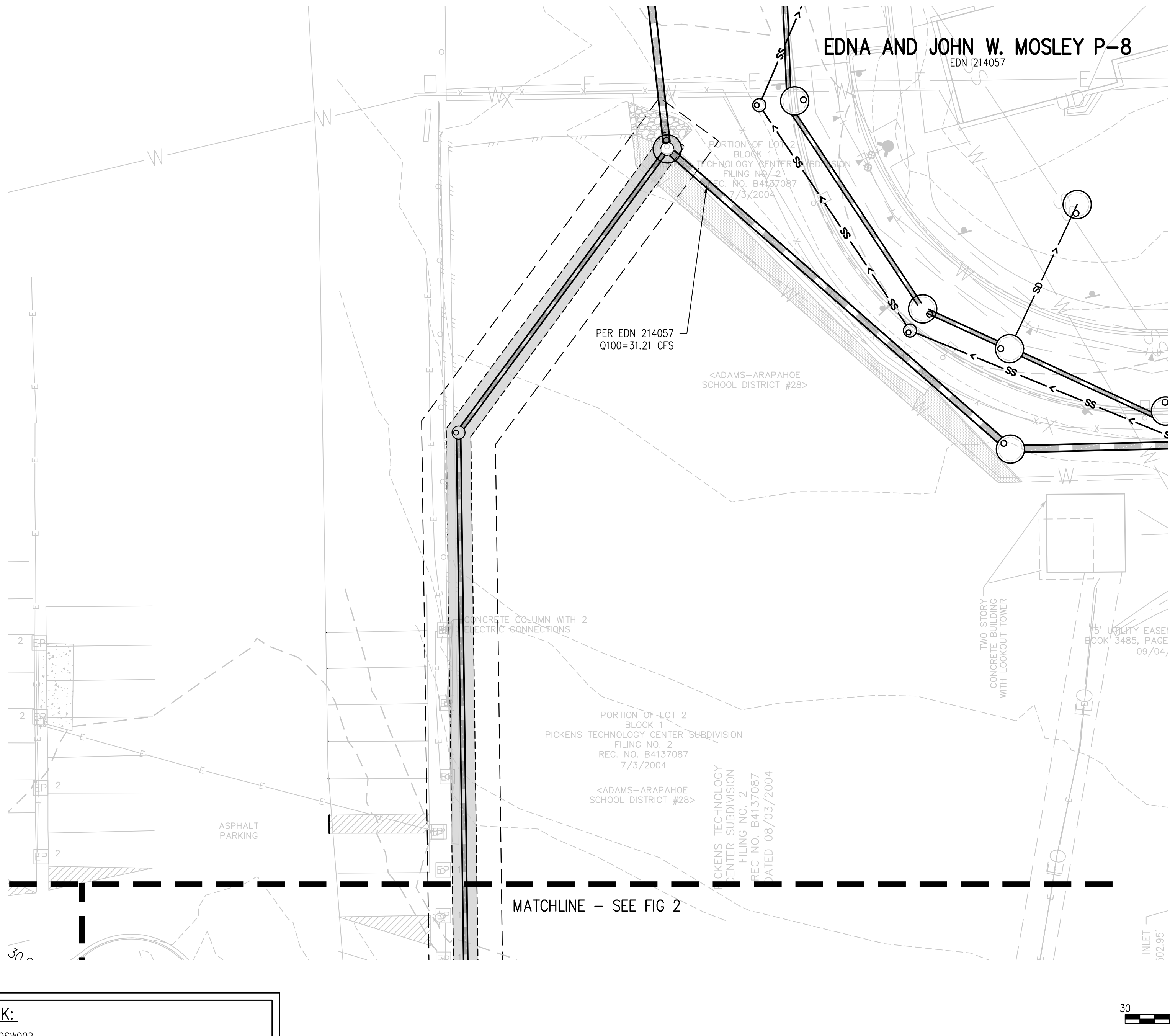
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	HISTORIC DRAINAGE BASIN BOUNDARY (SUB BASIN)
	DEVELOPED DRAINAGE BASIN BOUNDARY (MAJOR BASIN)
	DEVELOPED DRAINAGE BASIN BOUNDARY (SUB BASIN)
	DIRECTION OF FLOW (HISTORIC)
	DIRECTION OF FLOW (DEVELOPED)
	OVERFLOW PATH
	BASIN DESIGN POINT
	DRAINAGE BASIN IDENTIFICATION BUBBLE
A = DEVELOPED BASIN DESIGNATION	
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BENCHMARK:

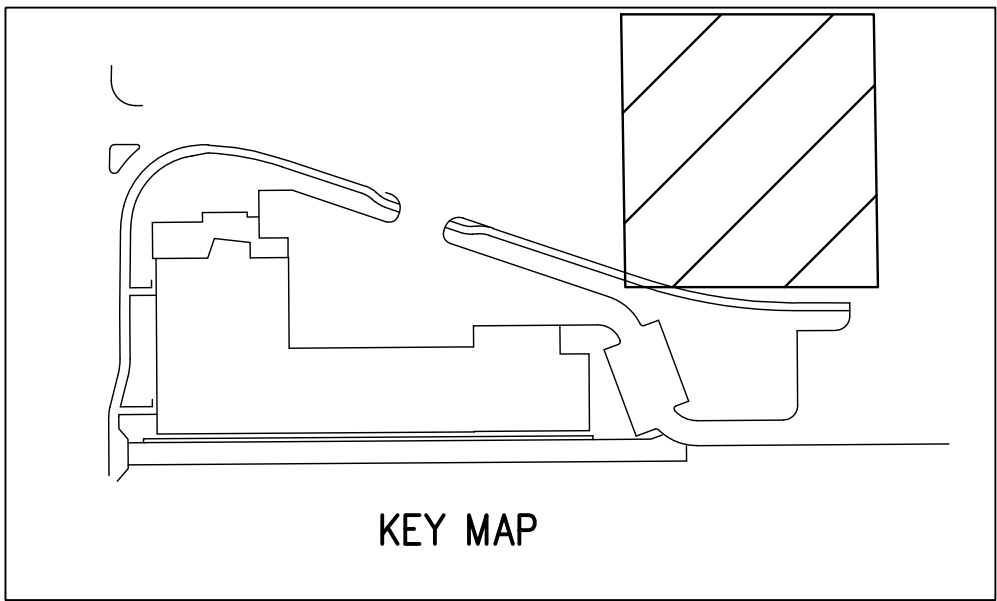
COA ID: 456609SW002  
ELEVATION: 5,504.48 (NAVD 88)  
DESCRIPTION: CHISELED SO SW COR CONC PED. OF STREET LIGHT #38-91 ON THE E SIDE OF AIRPORT BLVD. @ 100' +/- S OF E. CENTRETECH PKWY BEING ON THE W. SIDE OF AIRPORT BLVD REV. EXT NOT., REV. DESC. FROM ELLSWORTH TO CENTRETECH PKY.



Approved For One Year From This Date

Aurora Water - Drainage Division

Date



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DESIGNED BY: AMP/TWW  
DRAWN BY: CMS  
CHECKED BY: HMM  
JOB #: 3533c  
DATE: AUG, 2024  
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#05 - LOT 2, BLOCK 1

PRELIMINARY DEVELOPED DRAINAGE MAP

SHEET NO.

FIG 3