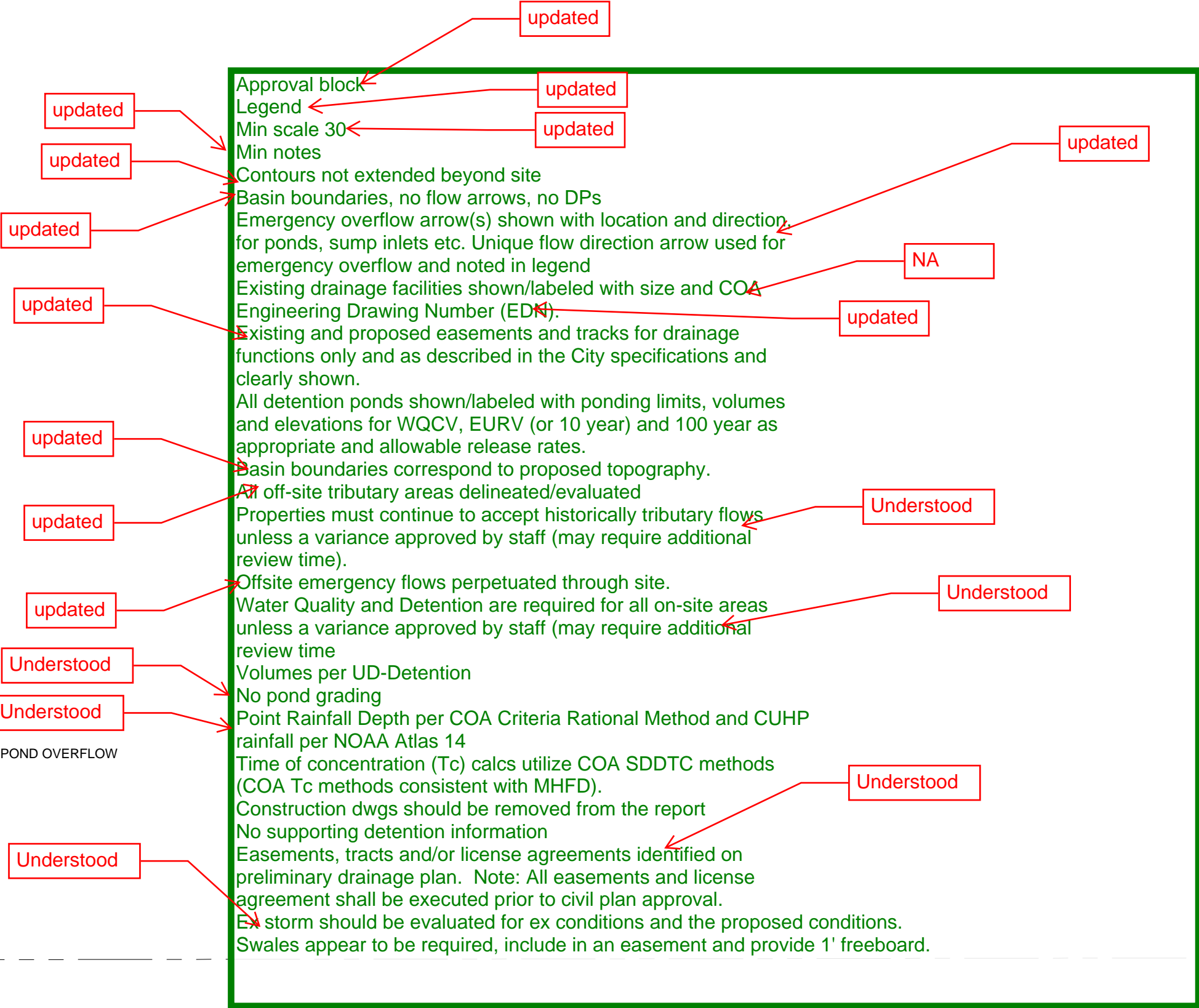


Volume and Release Rate	
V-KA	
A (Tributary area in acres)	3.60
(Developed Basin Imperviousness %)	42.62
$K_{10} = (0.951 - 1.90)/1000$	0.04
$K_{100} = (1.781 - 0.002)^2 - 3.56/900$	0.08
V_{10} (ac-ft)	0.14
V_{100} (ac-ft)	0.27



- 1) REFER TO GENERAL NOTES SHEET FOR CITY STANDARD GENERAL NOTES, UTILITY NOTES AND CONSTRUCTION DESIGN NOTES.
- 2) THE CITY OF AURORA STORM DRAINAGE CRITERIA MANUAL WAS FOR DESIGN STORM FREQUENCY, RUNOFF COEFFICIENTS AND RAINFALL INTENSITIES.

Diagram illustrating the components of a Drainage Area (DA 1):

- EXISTING CONTOUR:** Represented by a dashed line at the top.
- DRAINAGE BOUNDARY:** Represented by a thick solid line.
- PROPERTY LINE:** Represented by a dashed line below the drainage boundary.
- BASIN OR SUB BASIN:** Indicated by a line pointing to the pink-shaded area labeled "DA 1".
- AREA (ACRES):** The area of DA 1 is divided into three sections: 2.03, 0.53, and 1.65.
- C VALUE 2YR. STORM:** A label on the right side of the diagram.
- C VALUE 100YR. STORM:** A label on the right side of the diagram.
- DRAINAGE ID AREA:** A label on the right side of the diagram.
- 2.5%:** A label indicating the slope percentage, with an arrow pointing right.
- DRAINAGE FLOW DIRECTION:** A label on the right side of the diagram.

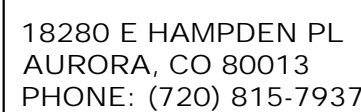
SW COR, NW1/4 SEC.34
FOUND 2.5" ALUM CAP
LS23501 IN RANGE BOX

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UNDER THE SUPERVISION OF:

MICHAEL R. GROSELLE	52071
TYPE OR PRINT NAME	PE #
2022/10/14	
DATE	

[illegible]

PROPOSED DRAINAGE AREA MAP



DESIGNED: DD	DATE	PROJECT #	SHEET
DRAWN: DD	OCTOBER 2022	22-006	C5.1
REVIEWER: MG			