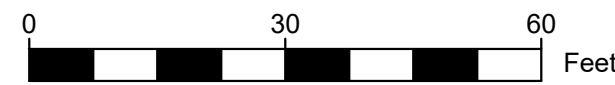
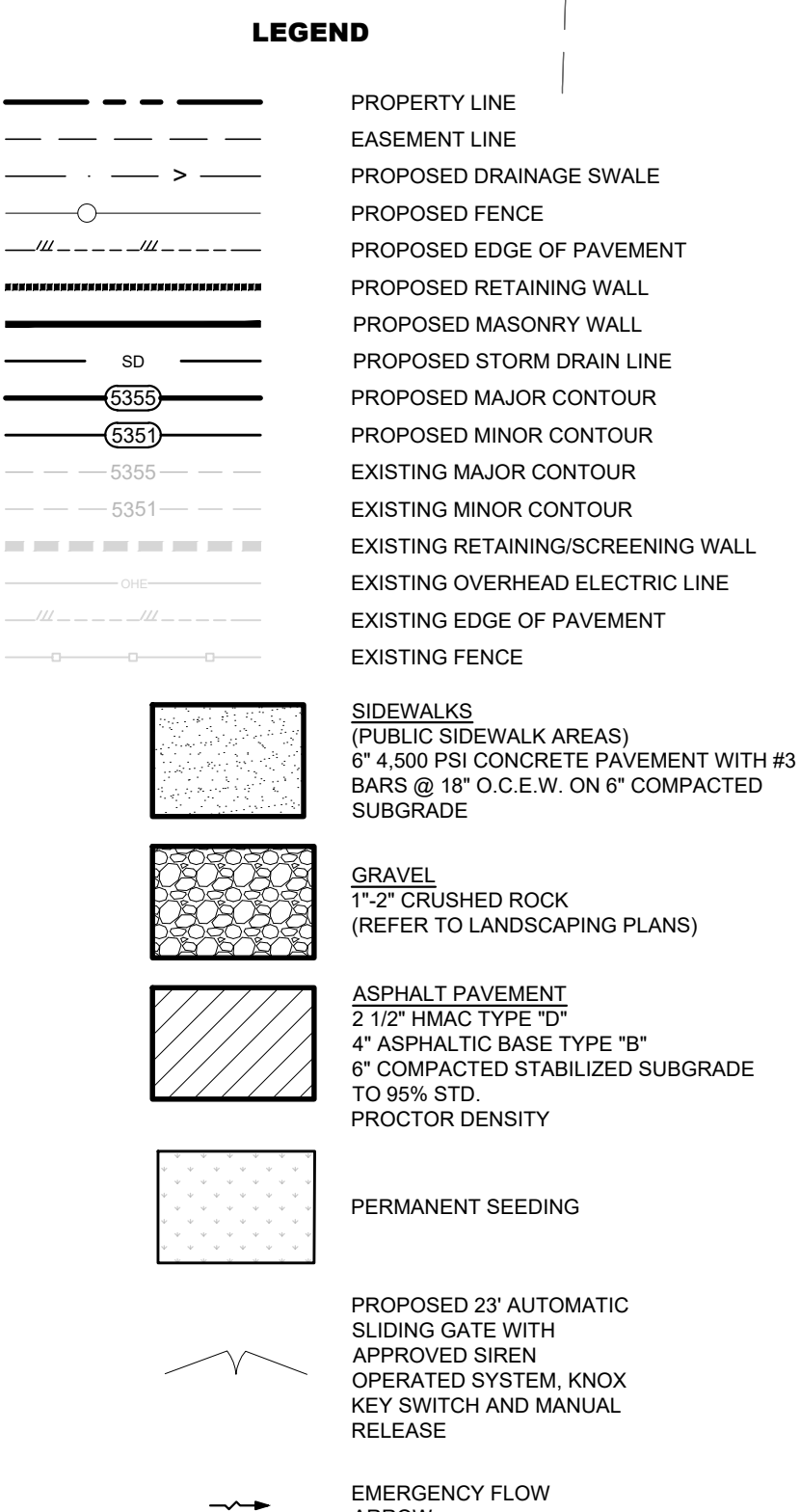


Volume and Release Rate	
V=KA	
A (Tributary area in acres)	3.60
I (Developed Basin Imperviousness %)	42.62
$K_{10} = (0.951 - 1.90)/1000$	0.04
$K_{100} = (1.781 - 0.0021^2 - 3.56)/900$	0.08
V_{10} (ac-ft)	0.14
V_{100} (ac-ft)	0.27



- 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 a drainage area (DA 1) and its associated features:

- EXISTING CONTOUR**: Indicated by a dashed line at elevation 5355.
- DRAINAGE BOUNDARY**: Indicated by a thick solid line.
- PROPERTY LINE**: Indicated by a dashed line.
- BASIN OR SUB BASIN**: Labeled as **DA 1** within the pink circle.
- C VALUE**: Labeled as **2YR. STORM** and **100YR. STORM**.
- DRAINAGE ID AREA**: Labeled as **2.03** and **1.65** (acres).
- AREA (ACRES)**: Labeled as **2.5%**.
- DRAINAGE FLOW DIRECTION**: Indicated by a large arrow pointing right.

PROPERTY LINE
EASEMENT LINE
PROPOSED DRAINAGE SWALE
PROPOSED FENCE
PROPOSED EDGE OF PAVEMENT
PROPOSED RETAINING WALL
PROPOSED MASONRY WALL
PROPOSED STORM DRAIN LINE
PROPOSED MAJOR CONTOUR
PROPOSED MINOR CONTOUR
EXISTING MAJOR CONTOUR
EXISTING MINOR CONTOUR
EXISTING RETAINING/SCREENING WALL
EXISTING OVERHEAD ELECTRIC LINE
EXISTING EDGE OF PAVEMENT
EXISTING FENCE

SIDEWALKS
(PUBLIC SIDEWALK AREAS)
6" 4,500 PSI COMPACTED PAVEMENT WITH
BARS @ 18" O.C. E.W. ON 6" COMPACTED
SUBGRADE

GRAVEL
1 1/2" CRUSHED ROCK
(REFER TO LANDSCAPING PLANS)

ASPHALT PAVEMENT
2 1/2" HMAC TYPE "D"
4" ASPHALTIC BASE TYPE "B"
6" COMPACTED STABILIZED SUBGRADE
TO 95% STD.
PROCTOR DENSITY

PERMANENT SEEDING

PROPOSED 23' AUTOMATIC
SLIDING GATE WITH
APPROVED SIREN
OPERATED SYSTEM, KNOX
KEY SWITCH AND MANUAL
RELEASE

EMERGENCY FLOW
ARROW

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

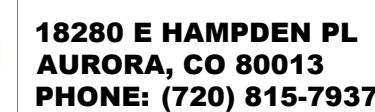
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MICHAEL R. GROSELLE	52071
TYPE OR PRINT NAME	PE #
2022/10/14	
DATE	

NO.	DATE	REVISION

2252 TOWER ROAD
2252 TOWER ROAD
AURORA, ADAMS COUNTY, COLORADO

PROPOSED DRAINAGE AREA MAP



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