

MURPHY CREEK EAST  
FILING NO. 3

MURPHY CREEK  
FILING NO. 7

S. EATON DRIVE

S. PLACER TRAIL

FUTURE  
MURPHY CREEK EAST  
FILING NO. 3

E. YALE AVE.

**Know what's below.  
Call before you dig.**

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ON THIS MAP. THE LOCATION IS INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO LOCATE UTILITIES AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

**NOTICE:**  
CONSTRUCTION ACTIVITY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OF ANY OTHER PERSONS.



**ATWELL**  
866.850.4200 [www.atwell-group.com](http://www.atwell-group.com)  
143 UNION BOULEVARD, SUITE 700  
LAKEWOOD, CO 80228  
303.462.1100

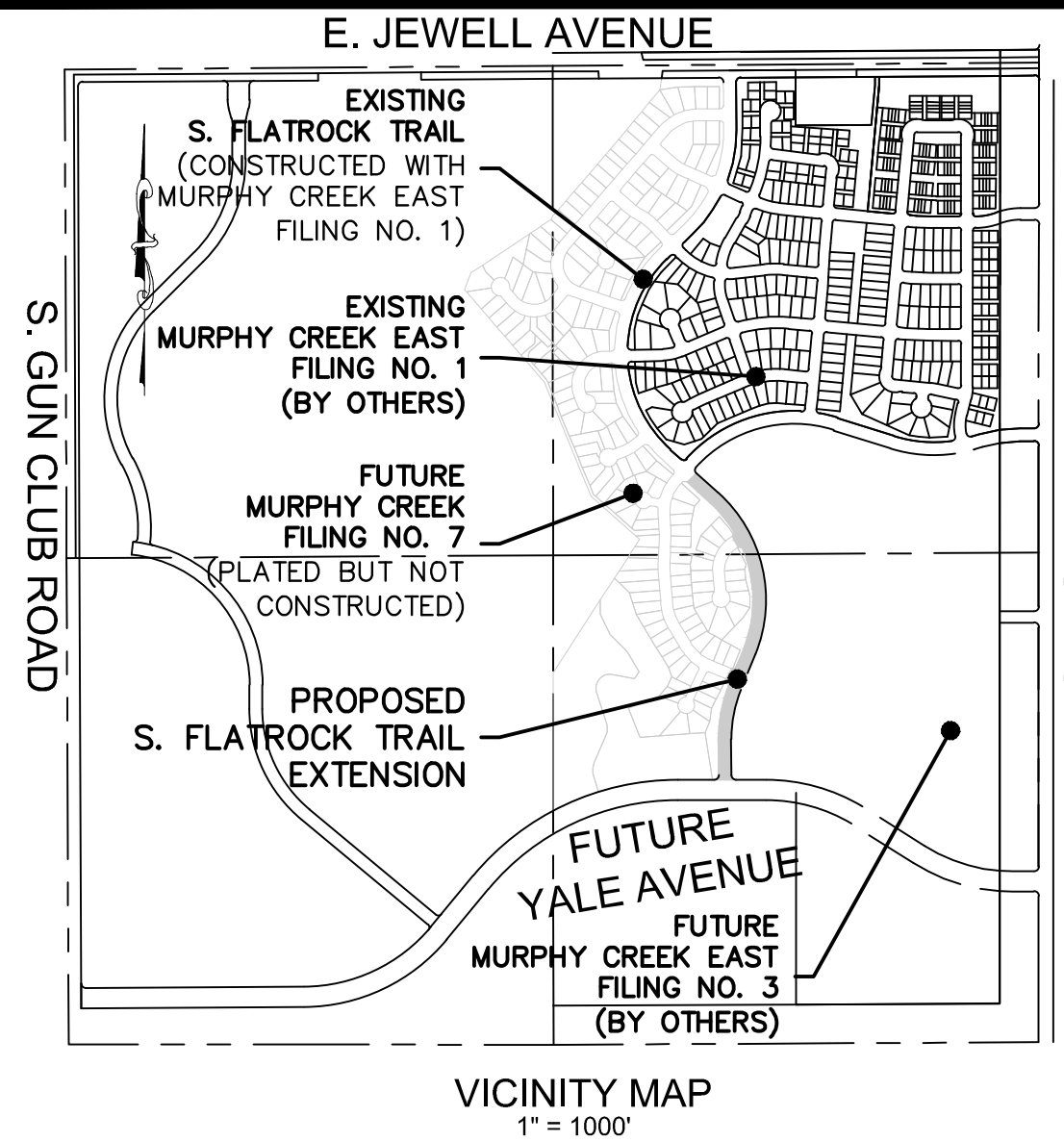
DEVELOPER	9335 E. HARVARD AVE. DENVER, CO 80231
	303.961.4242
	HARVEY ALPERT

MURPHY CREEK DEVELOPMENT, LLC  
S. FLATROCK TRAIL EXTENSION  
AURORA, COLORADO  
PRELIMINARY DRAINAGE PLAN  
HISTORIC DRAINAGE MAP

DATE		06/12/2022
A	1ST SUBMITTAL TO JURISDICTION	06/12/2022 - RDJ
B	2ND SUBMITTAL TO JURISDICTION	07/07/2022 - DJM
		REVISIONS

[illegible]

DR.	EAP	CH.	RDL
P.M. RDL			
JOB		21003852	
SHEET NO.			
1			



LEGEND	
	PROPERTY BOUNDARY
	EXISTING LOT LINE
	PROPOSED CURB & GUTTER
	EXISTING CURB & GUTTER
	PROPOSED SIDEWALK
	PROPOSED CONCRETE PAVEMENT
	SECTION LINE
	PROPOSED EASEMENT
	EXISTING EASEMENT
	PROPOSED 2' CONTOURS
	EXISTING 2' CONTOURS
	BASE FLOOD ELEVATION
<p>           A = BASIN DESIGNATION            B = AREA IN ACRES            C = 2 YR RUNOFF COEFFICIENT            D = 100 YR RUNOFF COEFFICIENT         </p>	
<p>DESIGN POINT</p>	
<p>MAJOR BASIN BOUNDARY</p>	
<p>PROPOSED BASIN BOUNDARY</p>	
<p>DRAINAGE FLOW ARROW</p>	
<p>HIGH OR LOW POINT</p>	

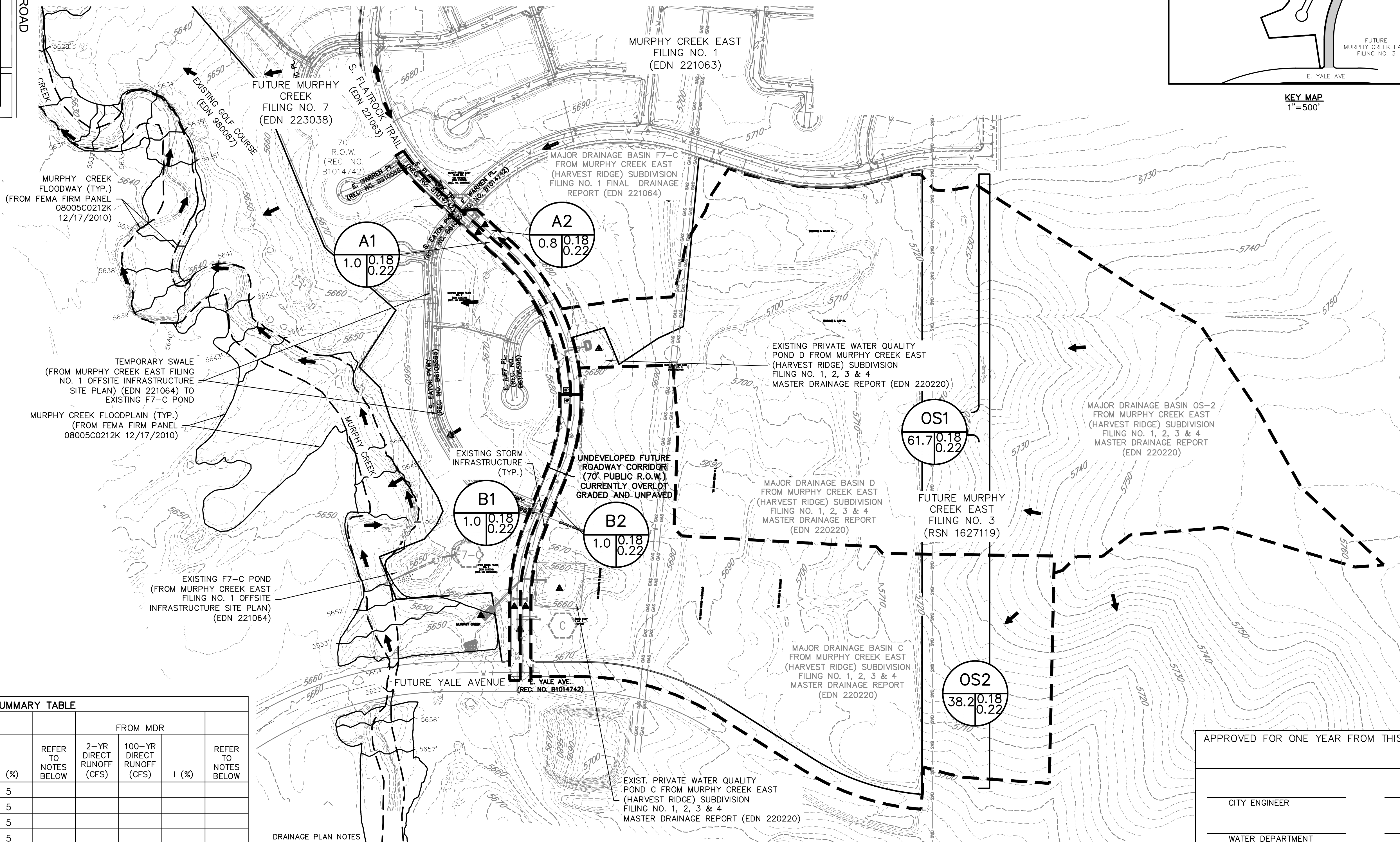
HISTORIC RUNOFF SUMMARY TABLE										
			FROM PDR				FROM MDR			
DESIGN POINT	CONTRIBUTING BASIN	CONTRIBUTING AREA (ACRES)	2-YR DIRECT RUNOFF (CFS)	100-YR DIRECT RUNOFF (CFS)	I (%)	REFER TO NOTES BELOW	2-YR DIRECT RUNOFF (CFS)	100-YR DIRECT RUNOFF (CFS)	I (%)	REFER TO NOTES BELOW
A1	A1	1.03	0.40	1.42	5					
A2	A2	0.76	0.30	1.05	5					
B1	B1	1.00	0.39	1.38	5					
B2	B2	1.00	0.39	1.38	5					
1	OS1	61.67	24.20	85.13	5		41.61	160.93	37.2	1
2	OS2	38.21	14.99	52.75	5		28.85	114.28	57.2	1

NOTE 1: FLOW NUMBERS ARE REFERENCED FROM "MURPHY CREEK EAST (HARVEST RIDGE) SUBDIVISION FILING NO. 1, 2, 3, 4 MASTER DRAINAGE REPORT", DATED NOVEMBER 2020. WHERE THERE ARE BOTH MDR AND PDR VALUES, MDR FLOWS HAVE BEEN USED IN THE DESIGN OF FILING NO. 7 TO BE MORE CONSERVATIVE.

NOTE 2: FLOW NUMBERS ARE REFERENCED FROM "MASTER DRAINAGE PLAN FOR MURPHY CREEK, A PLANNED COMMUNITY", DATED FEBRUARY 1998.

NOTE 3: FLOW NUMBERS ARE REFERENCED FROM "MURPHY CREEK EAST (HARVEST RIDGE) SUBDIVISION FILING NO. 1 FINAL DRAINAGE REPORT", DATED FEBRUARY 2021.

NOTE 4: FLOW NUMBERS ARE REFERENCED FROM "PRELIMINARY DRAINAGE REPORT FOR MURPHY CREEK 7", DATED AUGUST 31ST, 2021 BASED ON RATIONAL CALCULATIONS FOR THE OFF-SITE TRIBUTARY AREAS WITHIN THE GOLF COURSE PROPERTY."



1. ALL STORM INFRASTRUCTURE IS TO BE PUBLICLY MAINTAINED UNLESS OTHERWISE NOTED.

2. STORM SYSTEM HAS BEEN SIZED FOR THE 100-YR STORM.

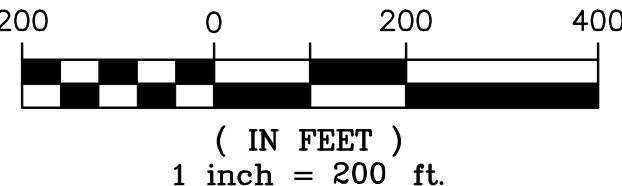
3. "CITY OF AURORA PLAN REVIEW IS ONLY FOR GENERAL CONFORMANCE WITH CITY OF AURORA DESIGN CRITERIA AND THE CITY CODE. THE CITY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, OF DIMENSIONS AND ELEVATIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE. THE CITY OF AURORA, THROUGH THE APPROVAL OF THIS DOCUMENT, ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT."

4. MURPHY CREEK 7 AND MURPHY CREEK EAST ARE ANTICIPATED TO BE IN CONSTRUCTION STAGES DURING THE CONSTRUCTION OF SOUTH FLATROCK TRAIL. THESE FILINGS ARE NOT TRIBUTARY TO POND C/DESIGN POINT 6 AND DO NOT AFFECT THE DRAINAGE CONDITIONS OF THE SOUTH FLATROCK TRAIL PROJECT.

5. MURPHY CREEK EAST (BY CVL CONSULTANTS) IS ANTICIPATED TO BE CONSTRUCTED AHEAD OF MURPHY CREEK FILING NO. 7. MURPHY CREEK EAST IS CONSTRUCTING THE POND C/DESIGN POINT 6. THE CITY OF AURORA, THROUGH THE APPROVAL OF THIS DOCUMENT, ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT. IF STRUCTURES ARE NECESSARY, MURPHY CREEK EAST PROJECT INCLUDES THE FOLLOWING SUBMISSIONS THAT HAVE BEEN ACCOUNTED FOR IN THE DESIGN OF FILING NO. 7 (EDN 223038):

- 5.1. MURPHY CREEK EAST (HARVEST RIDGE) SUBDIVISION FILING NO. 1, 2, 3, & 4 MASTER DRAINAGE REPORT (220220)
- 5.2. MURPHY CREEK EAST FILING NO. 1 OFFSITE INFRASTRUCTURE SITE PLAN (EDN 221064)
- 5.3. MURPHY CREEK EAST FILING NO. 1 CIVIL PLANS (EDN 221063)
- 5.4. MURPHY CREEK EAST FILING NO. 2 CIVIL PLANS (RSN 1509083)
- 5.5. MURPHY CREEK EAST (HARVEST RIDGE) SUBDIVISION FILING NO. 1 FINAL DRAINAGE REPORT (EDN 221063)

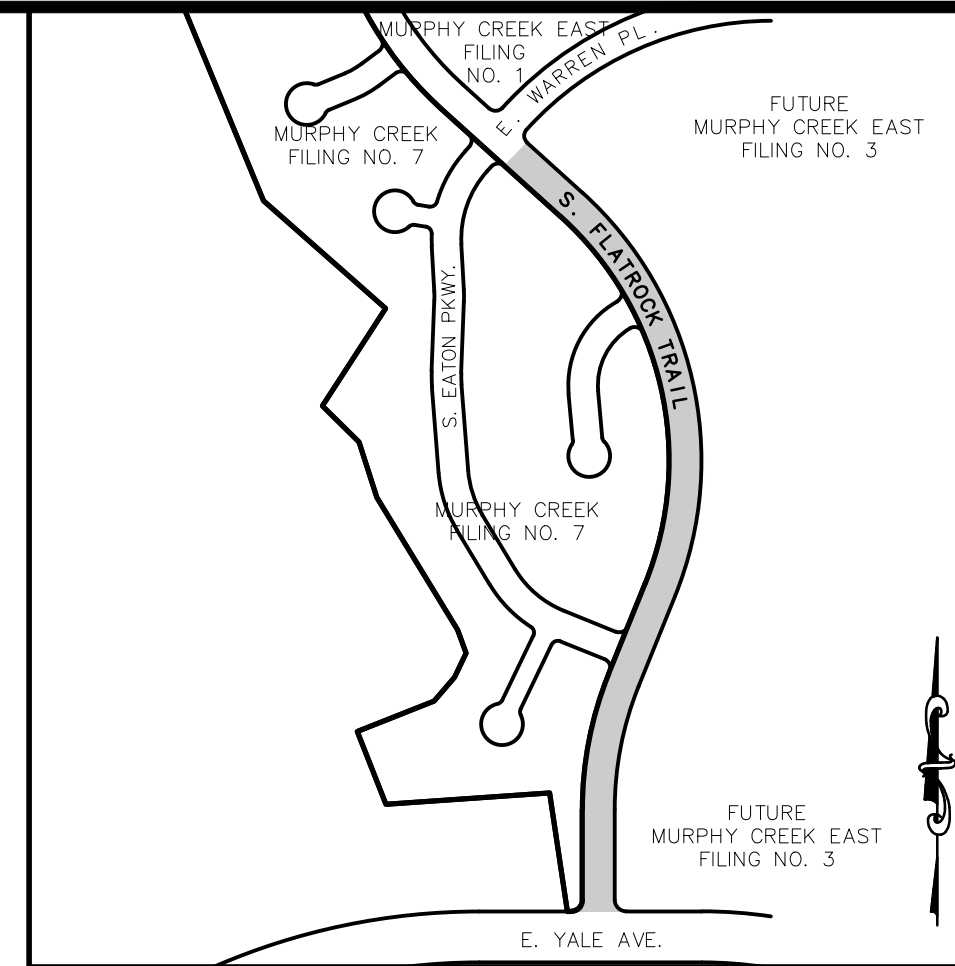
6. THE CONSTRUCTION OF SOUTH FLATROCK TRAIL IS ANTICIPATED TO OCCUR PRIOR TO DEVELOPMENT OF MURPHY CREEK FILINGS 3 AND/OR 4.



1. ALL STORM INFRASTRUCTURE IS TO BE PUBLICLY MAINTAINED UNLESS OTHERWISE NOTED.
2. STORM SYSTEM HAS BEEN SIZED FOR THE 100-YR STORM.
3. "CITY OF AURORA PLAN REVIEW IS ONLY FOR GENERAL CONFORMANCE WITH CITY OF AURORA DESIGN CRITERIA AND THE CITY CODE. THE CITY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, OF DIMENSIONS AND ELEVATIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE. THE CITY OF AURORA, THROUGH THE APPROVAL OF THIS DOCUMENT, ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT."
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5. MURPHY CREEK EAST (BY CIVL CONSULTANTS) IS ANTICIPATED TO BE CONSTRUCTED AHEAD OF MURPHY CREEK FILING NO. 7. MURPHY CREEK EAST CONSISTS OF THE PONDS ON THE FILING NO. 7 PROPERTY. FILING NO. 7 IS MAINTAINING PONDS AS CONSTRUCTED BY MURPHY CREEK EAST AND ONLY MODIFYING GRADING AND OUTLET STRUCTURES AS NECESSARY. MURPHY CREEK EAST PROJECT INCLUDES THE FOLLOWING SUBMISSIONS THAT HAVE BEEN ACCOUNTED FOR IN THE DESIGN OF FILING NO. 7 (EDN 223038).
  - 5.1. MURPHY CREEK EAST (HARVEST RIDGE) SUBDIVISION FILING NO. 1, 2, 3, & 4 MASTER DRAINAGE REPORT (220220)
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  - 5.5. MURPHY CREEK EAST (HARVEST RIDGE) SUBDIVISION FILING NO. 1 FINAL DRAINAGE REPORT (EDN 221063)
6. THE CONSTRUCTION OF SOUTH FLATROCK TRAIL IS ANTICIPATED TO OCCUR PRIOR TO DEVELOPMENT OF MURPHY CREEK FILINGS 3 AND/OR 4.

PROPOSED DIRECT RUNOFF SUMMARY TABLE										
			FROM PDR				FROM MURPHY CREEK FILING NO. 3			
DESIGN POINT	CONTRIBUTING BASIN	CONTRIBUTING AREA (ACRES) PDR	2-YR DIRECT RUNOFF (CFS)	100-YR DIRECT RUNOFF (CFS)	I (%)	REFER TO NOTES BELOW	2-YR DIRECT RUNOFF (CFS)	100-YR DIRECT RUNOFF (CFS)	I (%)	REFER TO NOTES BELOW
A1	A1	1.03	2.61	8.03	100					
A2	A2	0.80	1.92	5.92	100					
B1	B1	1.00	2.53	7.79	100					
B2	B2	1.00	2.53	7.79	100					
1	C	70.72					67.00	267.90	40	4
	OS1	21.66					8.10	27.10	5	4

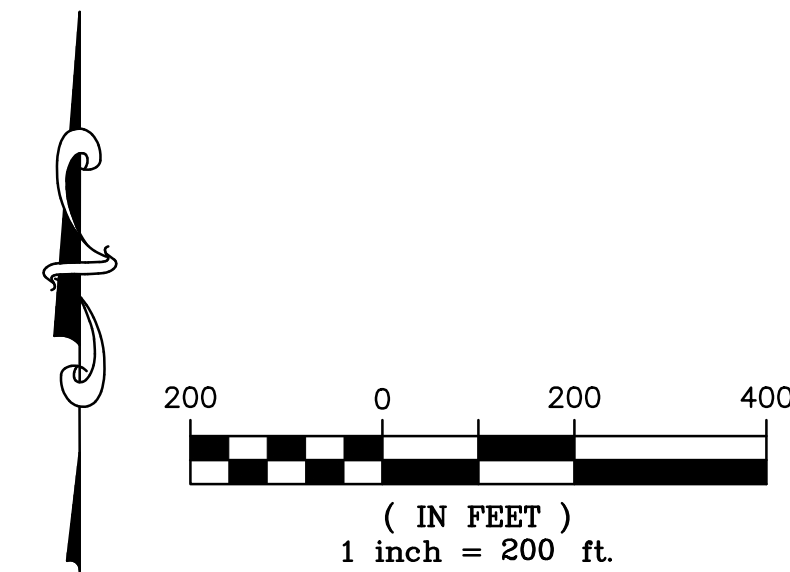
NOTE 4: FLOW NUMBERS ARE REFERENCED FROM "PRELIMINARY DRAINAGE REPORT FOR MURPHY CREEK EAST FILING 3", DATED MARCH 13TH 2023.



**KEY MAP**  
1"=500'

	PROPERTY BOUNDARY
	EXISTING LOT LINE
	PROPOSED CURB & GUTTER
	EXISTING CURB & GUTTER
	PROPOSED SIDEWALK
	PROPOSED CONCRETE PAVEMENT
	SECTION LINE
	PROPOSED EASEMENT
	EXISTING EASEMENT
	PROPOSED CONTOURS
	EXISTING CONTOURS
	BASE FLOOD ELEVATION

	A = BASIN DESIGNATION B = AREA IN ACRES C = 2 YR RUNOFF COEFFICIENT D = 100 YR RUNOFF COEFFICIENT
	DESIGN POINT
	PROPOSED BASIN BOUNDARY
	DRAINAGE FLOW ARROW
	EMERGENCY OVERFLOW PATH
	HIGH OR LOW POINT



APPROVED FOR ONE YEAR FROM THIS DATE

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

WATER DEPARTMENT \_\_\_\_\_ DATE \_\_\_\_\_

CITY OF AURORA PLAN REVIEW IS ONLY FOR GENERAL CONFORMANCE WITH CITY OF AURORA DESIGN CRITERIA AND THE CITY CODE. THE CITY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, OF DIMENSIONS, AND ELEVATIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE. THE CITY OF AURORA THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO OTHER RESPONSIBILITY OTHER THAN AS STATED ABOVE FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

CITY OF AURORA ID: 4S6519SRE001 (OLD #21-065)  
PUNCH IN 3: DIAM. BRASS CAP ON NORTHEAST  
CORNER IN CONCRETE BASE FOR 1ST POWER TOWER  
SOUTH OF THE FLORIDA LANDLINE; SAID POWER  
TOWER BEING ON THE WEST SIDE OF HARVEST ROAD.

PUBLISHED ELEVATION: 5,629.98 (C.O.A. DATUM:  
NAVD 88—U.S. SURVEY FT.)



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**Call** before you dig.

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CONTRACTOR; NEITHER THE OWNER  
NOR THE ENGINEER SHALL BE  
EXPECTED TO ASSUME ANY  
RESPONSIBILITY FOR SAFETY OF  
THE WORK, OF PERSONS ENGAGED  
IN THE WORK, OF ANY NEARBY  
STRUCTURES, OR OF ANY OTHER  
PERSONS.

**ATWELL**  
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DEVELOPER

335 E. HARVARD AVE.  
DENVER, CO 80231

CLIENT  
MURPHY CREEK DEVELOPMENT LLC

## SS EL ATROCK TRAIL EXTENSION

## PRELIMINARY DRAINAGE PLAN

DATE 06/12/2022

A	1 <sup>ST</sup> SUBMITTAL TO JURISDICTION 06/12/2022 - RDL
B	2 <sup>ND</sup> SUBMITTAL TO JURISDICTION 07/07/2022 - DJM


REMICIONS

REVISIONS

**1** **2** **3** **4** **5** **6** **7** **8** **9** **10** **11** **12** **13** **14** **15** **16** **17** **18** **19** **20** **21** **22** **23** **24** **25** **26** **27** **28** **29** **30** **31** **32** **33** **34** **35** **36** **37** **38** **39** **40** **41** **42** **43** **44** **45** **46** **47** **48** **49** **50** **51** **52** **53** **54** **55** **56** **57** **58** **59** **60** **61** **62** **63** **64** **65** **66** **67** **68** **69** **70** **71** **72** **73** **74** **75** **76** **77** **78** **79** **80** **81** **82** **83** **84** **85** **86** **87** **88** **89** **90** **91** **92** **93** **94** **95** **96** **97** **98** **99** **100** **101** **102** **103** **104** **105** **106** **107** **108** **109** **110** **111** **112** **113** **114** **115** **116** **117** **118** **119** **120** **121** **122** **123** **124** **125** **126** **127** **128** **129** **130** **131** **132** **133** **134** **135** **136** **137** **138** **139** **140** **141** **142** **143** **144** **145** **146** **147** **148** **149** **150** **151** **152** **153** **154** **155** **156** **157** **158** **159** **160** **161** **162** **163** **164** **165** **166** **167** **168** **169** **170** **171** **172** **173** **174** **175** **176** **177** **178** **179** **180** **181** **182** **183** **184** **185** **186** **187** **188** **189** **190** **191** **192** **193** **194** **195** **196** **197** **198** **199** **200** **201** **202** **203** **204** **205** **206** **207** **208** **209** **210** **211** **212** **213** **214** **215** **216** **217** **218** **219** **220** **221** **222** **223** **224** **225** **226** **227** **228** **229** **230** **231** **232** **233** **234** **235** **236** **237** **238** **239** **240** **241** **242** **243** **244** **245** **246** **247** **248** **249** **250** **251** **252** **253** **254** **255** **256** **257** **258** **259** **260** **261** **262** **263** **264** **265** **266** **267** **268** **269** **270** **271** **272** **273** **274** **275** **276** **277** **278** **279** **280** **281** **282** **283** **284** **285** **286** **287** **288** **289** **290** **291** **292** **293** **294** **295** **296** **297** **298** **299** **300** **301** **302** **303** **304** **305** **306** **307** **308** **309** **310** **311** **312** **313** **314** **315** **316** **317** **318** **319** **320** **321** **322** **323** **324** **325** **326** **327** **328** **329** **330** **331** **332** **333** **334** **335** **336** **337** **338** **339** **340** **341** **342** **343** **344** **345** **346** **347** **348** **349** **350** **351** **352** **353** **354** **355** **356** **357** **358** **359** **360** **361** **362** **363** **364** **365** **366** **367** **368** **369** **370** **371** **372** **373** **374** **375** **376** **377** **378** **379** **380** **381** **382** **383** **384** **385** **386** **387** **388** **389** **390** **391** **392** **393** **394** **395** **396** **397** **398** **399** **400** **401** **402** **403** **404** **405** **406** **407** **408** **409** **410** **411** **412** **413** **414** **415** **416** **417** **418** **419** **420** **421** **422** **423** **424** **425** **426** **427** **428** **429** **430** **431** **432** **433** **434** **435** **436** **437** **438** **439** **440** **441** **442** **443** **444** **445** **446** **447** **448** **449** **450** **451** **452** **453** **454** **455** **456** **457** **458** **459** **460** **461** **462** **463** **464** **465** **466** **467**

10. *Journal of the American Medical Association*, 273, 1995, 1031-1034.

10. *Journal of the American Medical Association*, 2000; 284: 1361-1366.

10. *Journal of the American Medical Association*, 2000; 284: 1039-1044.

10. *Journal of the American Medical Association*, 2000; 284: 1039-1044.

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1000

DR.	FAP	CH.	RDI
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P.M. RDL

100 01003850

SHEET NO.

2

DRAINAGE PLAN NOTES

- ALL STORM INFRASTRUCTURE IS TO BE PUBLICLY MAINTAINED UNLESS OTHERWISE NOTED.
- STORM SYSTEM HAS BEEN SIZED FOR THE 100-YR STORM.
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  - MURPHY CREEK EAST FILING NO. 1 OFFSITE INFRASTRUCTURE SITE PLAN (EDN 221064)
  - MURPHY CREEK EAST FILING NO. 1 CIVIL PLANS (EDN 221063)
  - MURPHY CREEK EAST FILING NO. 2 CIVIL PLANS (RSN 1509083)
  - MURPHY CREEK EAST (HARVEST RIDGE) SUBDIVISION FILING NO. 1 FINAL DRAINAGE REPORT (EDN 221063)
- THE CONSTRUCTION OF SOUTH FLATROCK TRAIL IS ANTICIPATED TO OCCUR PRIOR TO DEVELOPMENT OF MURPHY CREEK FILINGS 3 AND/OR 4.

PROPOSED DIRECT RUNOFF SUMMARY TABLE									
DESIGN POINT	CONTRIBUTING BASIN	CONTRIBUTING AREA (ACRES) PDR	FROM PDR			REFER TO NOTES BELOW	FROM MURPHY CREEK FILING NO. 3		
			2-YR DIRECT RUNOFF (CFS)	100-YR DIRECT RUNOFF (CFS)	I (%)		2-YR DIRECT RUNOFF (CFS)	100-YR DIRECT RUNOFF (CFS)	I (%)
A1	A1	1.03	2.61	8.03	100				
A2	A2	0.80	1.92	5.92	100				
B1	B1	1.00	2.53	7.79	100				
B2	B2	1.00	2.53	7.79	100				
1	C	70.72					67.00	267.90	40
	OS1	21.66					8.10	27.10	5

NOTE 1: FLOW NUMBERS ARE REFERENCED FROM "MURPHY CREEK EAST (HARVEST RIDGE) SUBDIVISION FILING NO. 1, 2, 3, 4 MASTER DRAINAGE REPORT", DATED NOVEMBER 2020. WHERE THERE ARE BOTH MDR AND PDR VALUES, MDR FLOWS HAVE BEEN USED IN THE DESIGN OF FILING NO. 7 TO BE MORE CONSERVATIVE.

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NOTE 4: FLOW NUMBERS ARE REFERENCED FROM "PRELIMINARY DRAINAGE REPORT FOR MURPHY CREEK EAST FILING 3", DATED MARCH 13TH 2023.

KEY MAP  
1"=500'

LEGEND

	PROPERTY BOUNDARY
	EXISTING LOT LINE
	PROPOSED CURB & GUTTER
	EXISTING CURB & GUTTER
	PROPOSED SIDEWALK
	PROPOSED CONCRETE PAVEMENT
	SECTION LINE
	PROPOSED EASEMENT
	EXISTING EASEMENT
	PROPOSED CONTOURS
	EXISTING CONTOURS
	BASE FLOOD ELEVATION
	A = BASIN DESIGNATION B = AREA IN ACRES C = 2 YR RUNOFF COEFFICIENT D = 100 YR RUNOFF COEFFICIENT
	DESIGN POINT
	PROPOSED BASIN BOUNDARY
	DRAINAGE FLOW ARROW
	EMERGENCY OVERFLOW PATH
	HIGH OR LOW POINT

50 0 50 100  
( IN FEET )  
1 inch = 50 ft.

APPROVED FOR ONE YEAR FROM THIS DATE

CITY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
WATER DEPARTMENT \_\_\_\_\_ DATE \_\_\_\_\_

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**BENCHMARK**  
CITY OF AURORA ID: 4S6519SRE001 (OLD #21-065) PUNCH IN 3" DIAM. BRASS CAP ON NORTHEAST CORNER IN CONCRETE BASE FOR 1ST POWER TOWER SOUTH OF THE FLORIDA LANDLINE; SAID POWER TOWER BEING ON THE WEST SIDE OF HARVEST ROAD.

PUBLISHED ELEVATION: 5,629.98 (C.O.A. DATUM: NAVD 88-U.S. SURVEY FT.)

**811**  
Know what's below.  
Call before you dig.

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NOTICE:  
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

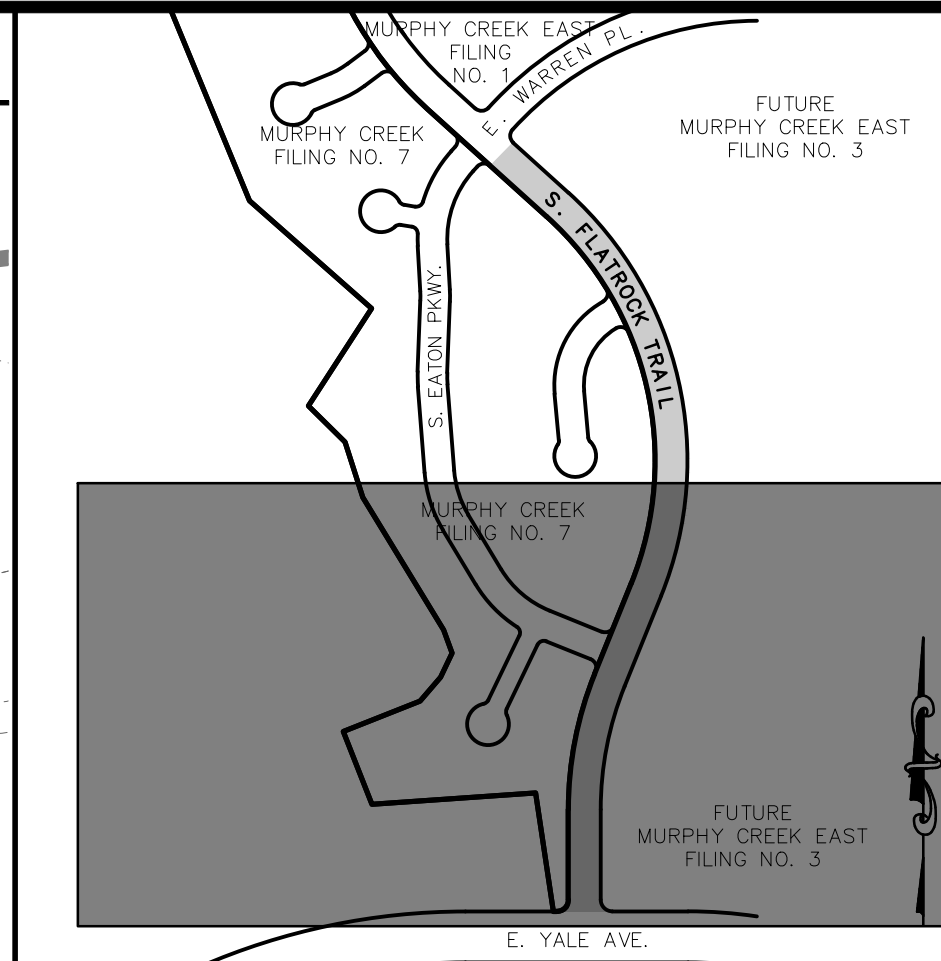
**ATWELL**  
866.850.4200 www.atwell-group.com  
143 UNION BOULEVARD, SUITE 700  
LAKEWOOD, CO 80228  
303.462.1100

DEVELOPER	MURPHY CREEK DEVELOPMENT, LLC 9335 E HARVARD AVE. DENVER, CO 80231
CLIENT	MURPHY CREEK DEVELOPMENT, LLC S. FLATROCK TRAIL EXTENSION AURORA, COLORADO
DATE	06/12/2022
REVISIONS	
DR.	EAP
CH.	RDL
P.M.	RDL
JOB	21003852
SHEET NO.	3

1. ALL STORM INFRASTRUCTURE IS TO BE PUBLICLY MAINTAINED UNLESS OTHERWISE NOTED.
2. STORM SYSTEM HAS BEEN SIZED FOR THE 100-YR STORM.
3. "CITY OF AURORA PLAN REVIEW IS ONLY FOR GENERAL CONFORMANCE WITH CITY OF AURORA DESIGN CRITERIA AND THE CITY CODE. THE CITY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, OF DIMENSIONS AND ELEVATIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE. THE CITY OF AURORA, THROUGH THE APPROVAL OF THIS DOCUMENT, ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT."
4. MURPHY CREEK 7 AND MURPHY CREEK EAST ARE ANTICIPATED TO BE IN CONSTRUCTION STAGES DURING THE CONSTRUCTION OF SOUTH FLATROCK TRAIL PROJECT. THE CITY OF AURORA TRIBUTARY TO POND C/DESIGN POINT 6 AND DO NOT AFFECT THE DRAINAGE CONDITIONS OF THE SOUTH FLATROCK TRAIL PROJECT.
5. MURPHY CREEK EAST (BY CIVL CONSULTANTS) IS ANTICIPATED TO BE CONSTRUCTED AHEAD OF MURPHY CREEK FILING NO. 7. MURPHY CREEK EAST IS CONSTRUCTING THE PONDS ON THE FILING NO. 7 PROPERTY. FILING NO. 7 IS MAINTAINING PONDS AS CONSTRUCTED BY MURPHY CREEK EAST AND ONLY MODIFYING GRADING AND OUTLET STRUCTURES AS NECESSARY. MURPHY CREEK EAST PROJECT INCLUDES THE FOLLOWING SUBMISSIONS THAT HAVE BEEN ACCOUNTED FOR IN THE DESIGN OF FILING NO. 7 (EDN 223038):
  - 5.1. MURPHY CREEK EAST (HARVEST RIDGE) SUBDIVISION FILING NO. 1, 2, 3, & 4 MASTER DRAINAGE REPORT (2022020)
  - 5.2. MURPHY CREEK EAST FILING NO. 1 OFFSITE INFRASTRUCTURE SITE PLAN (EDN 221064)
  - 5.3. MURPHY CREEK EAST FILING NO. 1 CIVIL PLANS (EDN 221063)
  - 5.4. MURPHY CREEK EAST FILING NO. 2 CIVIL PLANS (RSN 1509083)
  - 5.5. MURPHY CREEK EAST (HARVEST RIDGE) SUBDIVISION FILING NO. 1 FINAL DRAINAGE REPORT (EDN 221063)
6. THE CONSTRUCTION OF SOUTH FLATROCK TRAIL IS ANTICIPATED TO OCCUR PRIOR TO DEVELOPMENT OF MURPHY CREEK FILINGS 3 AND/OR 4.

PROPOSED DIRECT RUNOFF SUMMARY TABLE										
			FROM PDR				FROM MURPHY CREEK FILING NO. 3			
DESIGN POINT	CONTRIBUTING BASIN	CONTRIBUTING AREA (ACRES) PDR	2-YR DIRECT RUNOFF (CFS)	100-YR DIRECT RUNOFF (CFS)	I (%)	REFER TO NOTES BELOW	2-YR DIRECT RUNOFF (CFS)	100-YR DIRECT RUNOFF (CFS)	I (%)	REFER TO NOTES BELOW
A1	A1	1.03	2.61	8.03	100					
A2	A2	0.80	1.92	5.92	100					
B1	B1	1.00	2.53	7.79	100					
B2	B2	1.00	2.53	7.79	100					
1	C	70.72					67.00	267.90	40	4
	OS1	21.66					8.10	27.10	5	4

NOTE 4: FLOW NUMBERS ARE REFERENCED FROM "PRELIMINARY DRAINAGE REPORT FOR MURPHY CREEK EAST FILING 3", DATED MARCH 13TH 2023.



**KEY MAP**  
1"=500'

PROPERTY BOUNDARY

EXISTING LOT LINE

PROPOSED CURB & GUTTER

EXISTING CURB & GUTTER

PROPOSED SIDEWALK

PROPOSED CONCRETE PAVEMENT

SECTION LINE

PROPOSED EASEMENT

EXISTING EASEMENT

PROPOSED CONTOURS

EXISTING CONTOURS

BASE FLOOD ELEVATION

5650'

2

1

A = BASIN DESIGNATION

B = AREA IN ACRES

C = 2 YR RUNOFF COEFFICIENT

D = 100 YR RUNOFF COEFFICIENT

DESIGN POINT

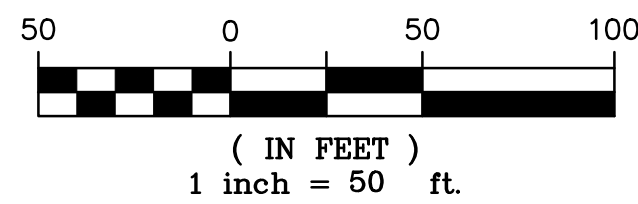
PROPOSED BASIN BOUNDARY

DRAINAGE FLOW ARROW

EMERGENCY OVERFLOW PATH

HIGH OR LOW POINT

HP LP



APPROVED FOR ONE YEAR FROM THIS DATE

_____ CITY ENGINEER	_____ DATE
_____ WATER DEPARTMENT	_____ DATE

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**BENCHMARK**  
CITY OF AURORA ID: 4S6519SRE001 (OLD #21-065)  
PUNCH IN 3: DIAM. BRASS CAP ON NORTHEAST  
CORNER IN CONCRETE BASE FOR 1ST POWER TOWER  
SOUTH OF THE FLORIDA LANDLINE; SAID POWER  
TOWER BEING ON THE WEST SIDE OF HARVEST ROAD.

PUBLISHED ELEVATION: 5,629.98 (C.O.A. DATUM:  
NAVD 88—U.S. SURVEY FT.)