## ENG-SF21032-R2-FDR.pdf Markup Summary

| 6 (3)   |  |   |  |
|---|--|---|--|
| <u> </u>  | Subject:   |   |  |
| ention Pond in co<br>moff is piped sou  | Page Index: 6<br>Date: 3/22/2022 10:26:18 AM<br>Author: dsdrice<br>Color: Layer:<br>Space:   | f is piped  |  |
| <ul> <li>S1(Qp-11.4cfs, Qp=29.6cb) is 9.27 mrss is 30.7 proce<br/>for Sarling Rach Filing 3 size. Randf from this basin</li> </ul>  | Page Label: 6<br>Subject: Callout<br>Page Index: 6   | sheet flows?  |  |
| ntion Francis confluence with operation flows from the root of the relation generation of the heat state generation of the heat state generation of the heat flows?<br>EDDRAINAGE CONDITIONS<br>DECEMBER DATACHE<br>d site was broken into three major busins: Basin A and  | Date: 3/22/2022 10:26:55 AM<br>Author: dsdrice<br>Color: Layer:<br>Space:<br>Page Label: 6   |   |  |
| single-family residential line and a local seast. Reset from this basis durine to as a  | Subject: Callout   |   |  |
| at design point 16.<br><b>Racks H1</b> (Qu. 6 20K, Quart 12 field) is 2.44 across and 80 percent impervious in con-<br>family midwards loss, hand mash, you show have losselike, and a coll-do-saw. The most<br>draines are agreed from pilot list collared at design point 13.<br><b>Racks 22</b> (Qu. 9.25K, Quart 2, No.) is 4.33 across and 35 percent impervious is on   | Page Index: 6  | 15'   |  |
| J & DENTERNE 22   | Date: 3/22/2022 10:31:52 AM<br>Author: dsdrice<br>Color: Layer:<br>Space:  |   |  |
|   | Page Label: 6  |   |  |
| 7 (10)  |  |   |  |
| (and) summarized the subject of the set hand in the set of the  | Subject: SW - Highlight<br>Page Index: 7<br>Date: 3/21/2022 5:47:04 PM<br>Author: Glenn Reese - EPC Stormwater<br>Color: Layer:<br>Space:<br>Bage Lobel: 7 | The runoff is not treated and drains directly into Sand Creek   |  |
|   | Page Label: 7  |   |  |
| Henris Belly, Hohr, Beyl S, Holl S, Will S, Will S, Wang S, San S, Sa | Subject: SW - Highlight<br>Page Index: 7<br>Date: 3/21/2022 5:47:08 PM<br>Author: Glenn Reese - EPC Stormwater<br>Color: Layer:<br>Space:<br>Page Label: 7 | The runoff is not treated and drains directly into Sand Creek.  |  |
| <text><text><text><text><text></text></text></text></text></text>   | Subject: SW - Textbox with Arrow<br>Page Index: 7<br>Date: 3/21/2022 5:47:14 PM<br>Author: Glenn Reese - EPC Stormwater<br>Color:<br>Layer:                | These statements alone are insufficient. The cumulative untreated area is >1ac, which is not allowed unless WQ exclusions area applied. So discuss the applicable WQ exclusions per |  |
|   | Space:<br>Page Label: 7  | Possible exclusions include: ECM App I.7.1.C.1 (20% up to 1ac of development can be excluded) and those exclusions listed in ECM App I.7.1.B.#.                                     |  |

| rcent impervious is comprised of op<br>ype R on grade inlet located et desi<br>captured in the 100 year event. Rune<br>west of<br>cent impervious is comprised of sing<br>drains to a rear lot type C area inlet                                   | Subject: Callout<br>Page Index: 7<br>Date: 3/22/2022 10:32:51 AM<br>Author: dsdrice<br>Color: Layer:<br>Space:<br>Page Label: 7 | west of |
|--|---|---------|
| ed at de   | Subject:<br>Page Index: 7<br>Date: 3/22/2022 10:32:56 AM<br>Author: dsdrice<br>Color: Layer:<br>Space:<br>Page Label: 7         | at      |
| alk. Runoff from basin B5 drai<br>ig Sterling Ranch Road. All of 1<br>nlet is piped and outfalls into por<br>1.59?<br>2.2cfs, Q <sub>100</sub> =5.1cfs) is 1.35 acre<br>il lots and open space. Runoff fr<br>it DP 10.                             | Subject: Callout<br>Page Index: 7<br>Date: 3/22/2022 10:33:46 AM<br>Author: dsdrice<br>Color: Layer:<br>Space:<br>Page Label: 7 | 1.59?   |
| to a rea   | Subject:<br>Page Index: 7<br>Date: 3/22/2022 10:35:33 AM<br>Author: dsdrice<br>Color: Layer:<br>Space:<br>Page Label: 7         | a       |
| 55 acres and 57 percent impervious<br>unoff from basin B4 drains to a rear<br>4?<br>15 acres and 51 percent impervious i<br>unoff from basin B4 drains to a rear lo  | Subject: Callout<br>Page Index: 7<br>Date: 3/23/2022 8:12:12 AM<br>Author: dsdrice<br>Color: Layer:<br>Space:<br>Page Label: 7  | 4?      |
| nage channel where it is conveyed to an existing an $(Q_{\rm mer}^{-1}, {\rm feft})$ 3.47 arrow and $(P_{\rm percent}$ impervisor basis there il more to the south and case into an existing arow and provided from the Sterfing Rase $42^{\circ}$ | Subject: Callout<br>Page Index: 7<br>Date: 3/22/2022 10:41:13 AM<br>Author: dsdrice<br>Color: Layer:<br>Space:<br>Page Label: 7 | 42"     |

Subject: Callout and future development? Page Index: 7 Date: 3/22/2022 10:42:02 AM Author: dsdrice Color: Layer: Space: Page Label: 7 11 (4) Subject: Callout 20.26 and 43% without Tract C, 20.91 and 42% Page Index: 11 with Tract C? Date: 3/23/2022 8:25:11 AM Author: dsdrice Color: Layer: Space: Page Label: 11 Subject: ERLING RANCH FILING 3 \$203,870 \$83,390 Sterling Ranch Sterling Ranch Drainage Fee Bridge Fee Page Index: 11 Date: 3/23/2022 8:22:14 AM the overall impervious area. The total a Author: dsdrice Color: Layer: Space: Page Label: 11 nu us (auj Subject: 10.4 Page Index: 11 10.4 Date: 3/23/2022 8:22:16 AM Author: dsdrice Color: Layer: Space: Page Label: 11 . . . . . . . . . . . . . Subject: Callout staff calculates 10.76 or 11.1 Page Index: 11 Date: 3/23/2022 8:26:23 AM Author: dsdrice Communities Cost Opinion The Desinage Celerica Manual questiles a Cost Estimate of proposed desinage Sacility improvement for administral with the Final Damage Report. A concernant cost opinion has here port-label below Color: Layer: Space: Page Label: 11

## 56 (2)



Subject: Arrow Page Index: 56 Date: 3/22/2022 10:27:35 AM Author: dsdrice Color: Layer: Space: Page Label: 56



Subject: Arrow Page Index: 56 Date: 3/22/2022 10:27:39 AM Author: dsdrice Color: Layer: Space: Page Label: 56

## 57 (2)



Subject: Callout Page Index: 57 Date: 3/22/2022 2:24:06 PM Author: dsdrice Color: Layer: Space: Page Label: 57

label inlet

Subject: Callout Page Index: 57 Date: 3/22/2022 3:13:12 PM Author: dsdrice Color: Layer: Space: Page Label: 57

Label ECB slope stabilization

## 58 (1)



Subject: SW - Textbox with Arrow Page Index: 58 Date: 3/21/2022 5:52:20 PM Author: Glenn Reese - EPC Stormwater Color: ■ Layer: Space: Page Label: 58

Pdf page 7 above states that all runoff from Basins D1 & D2 (4.69 total acres) is not treated. Show/shade/hatch all of this non-treated area and label different WQ exclusions appropriately if there is more than one applicable exclusion to this area.

The shading for the excluded area may need to be separately shaded from this "Interim Improvements area" that is currently shown.