

# ENG-SF20015-R2-FDR-redlines.pdf Markup Summary

1 (2)

Need: City approvals for road, pond, outfall to channel;

**Subject:** Text Box  
**Page Index:** 1  
**Date:** 3/30/2021 10:03:12 AM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
**Space:**  
**Page Label:** 1

Need: City approvals for road, pond, outfall to channel;

Engineering Review  
dsdrice@epc.com  
JedRice@epc.com  
(714) 938-7977  
EPC Planning & Community Development Department

**Subject:** EPC ENG Review  
**Page Index:** 1  
**Date:** 3/30/2021 10:03:27 AM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
**Space:**  
**Page Label:** 1

4 (1)

verify with updated plat  
of 49.5387 acres and is presently undeveloped. Vegetation is  
dominated by trees generally sloping from north to south at  
18%.

**Subject:** Callout  
**Page Index:** 4  
**Date:** 3/29/2021 7:02:42 PM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
**Space:**  
**Page Label:** 4

verify with updated plat

5 (1)

of 49.5387 acres  
of 538 acres. T]

**Subject:**  
**Page Index:** 5  
**Date:** 3/29/2021 7:03:59 PM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
**Space:**  
**Page Label:** 5

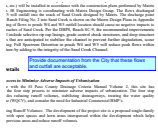
49.5387

6 (1)

ion will  
ie of the

**Subject:**  
**Page Index:** 6  
**Date:** 3/29/2021 7:04:33 PM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
**Space:**  
**Page Label:** 6

will



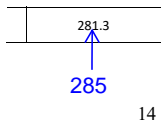
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**Page Index:** 16  
**Date:** 3/30/2021 10:57:16 AM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
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**Page Label:** 16

Provide documentation from the City that these flows and outfall are acceptable.



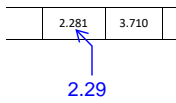
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**Page Index:** 16  
**Date:** 3/30/2021 8:56:34 AM  
**Author:** dsdrice  
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**Page Label:** 16

Further expand on the impacts to Sand Creek from re-routing flows to the Pond W5/PondW4 diversion outfall and why there will be no negative impacts. Compare historic flows and contributing acreage to proposed flows and acreage.



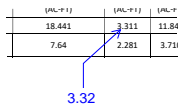
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**Page Label:** 17

285



**Subject:** Callout  
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**Date:** 3/30/2021 10:57:53 AM  
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**Layer:**  
**Space:**  
**Page Label:** 17

2.29



**Subject:** Callout  
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**Date:** 3/30/2021 10:57:53 AM  
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**Layer:**  
**Space:**  
**Page Label:** 17

3.32


18.3/b

12.211

**Subject:**  
**Page Index:** 17  
**Date:** 3/30/2021 10:57:59 AM  
**Author:** dsdrice  
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12.211


7.64

**Subject:**  
**Page Index:** 17  
**Date:** 3/30/2021 10:58:01 AM  
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**Space:**  
**Page Label:** 17

7.64


18 (3)



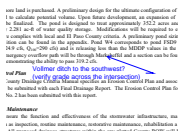
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**Page Index:** 18  
**Date:** 3/30/2021 10:20:15 AM  
**Author:** dsdrice  
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**Layer:**  
**Space:**  
**Page Label:** 18


The peak flows to the channel are reduced due to the Full Spectrum Detention adding to the integrity of the channe



**Subject:** Callout  
**Page Index:** 18  
**Date:** 3/30/2021 10:21:03 AM  
**Author:** dsdrice  
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**Layer:**  
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**Page Label:** 18

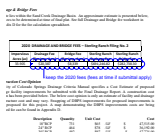
Is this true with the diversions? Compare historic to proposed flows.




**Subject:** Callout  
**Page Index:** 18  
**Date:** 3/30/2021 10:43:07 AM  
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**Page Label:** 18

Vollmer ditch to the southwest? (verify grade across the intersection)

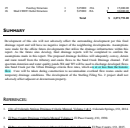
19 (1)




**Subject:** Cloud+  
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**Space:**  
**Page Label:** 19

keep the 2020 fees (fees at time if submittal apply)

20 (2)




**Subject:**  
**Page Index:** 20  
**Date:** 3/30/2021 10:24:18 AM  
**Author:** dsdrice  
**Color:**   
**Layer:**  
**Space:**  
**Page Label:** 20

e at or less than the historic flow

flows to the Sand Creek Drainage channel. F  
nd W5 will be used to discharge developed flo  
flow rates, which are at or less than the flow  
to accommodate overland flow routes onsite a  
of the Sterling Filing No. 2 project shall i

verify

**Subject:** Callout  
**Page Index:** 20  
**Date:** 3/30/2021 10:24:39 AM  
**Author:** dsdrice  
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**Layer:**  
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**Page Label:** 20


verify

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116 (1)



is 113.3 over  
capacity?

**Subject:** Callout  
**Page Index:** 116  
**Date:** 3/30/2021 10:58:26 AM  
**Author:** dsdrice  
**Color:**   
**Layer:**  
**Space:**  
**Page Label:** 116


is 113.3 over capacity?

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117 (14)


(T/T)

0.004
-0.010
0.010

**Subject:**  
**Page Index:** 117  
**Date:** 3/30/2021 10:53:42 AM  
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**Color:**   
**Layer:**  
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**Page Label:** 117

0.004

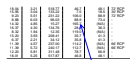
-0.012
-0.013
0.002
-0.020
0.005

**Subject:**  
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**Page Label:** 117


0.002



**Subject:** Highlight  
**Page Index:** 117  
**Date:** 3/30/2021 10:56:50 AM  
**Author:** dsdrice  
**Color:**   
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**Page Label:** 117




Are these over  
capacity? Are  
watertight joints  
required?

**Subject:** Callout  
**Page Index:** 117  
**Date:** 3/30/2021 10:58:46 AM  
**Author:** dsdrice  
**Color:**   
**Layer:**  
**Space:**  
**Page Label:** 117

Are these over capacity? Are watertight joints required?


51.3  
42.6  
148.0  
30.0  
50.7

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**Subject:**  
**Page Index:** 117 148.0  
**Date:** 3/30/2021 10:58:59 AM  
**Author:** dsdrice  
**Color:**   
**Layer:**  
**Space:**  
**Page Label:** 117


50.4  
49.7  
138.2  
53.0  
100.0

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**Subject:**  
**Page Index:** 117 138.2  
**Date:** 3/30/2021 10:59:02 AM  
**Author:** dsdrice  
**Color:**   
**Layer:**  
**Space:**  
**Page Label:** 117


100.2  
53.0  
109.9  
112.4  
50.0

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**Subject:**  
**Page Index:** 117 109.9  
**Date:** 3/30/2021 10:59:04 AM  
**Author:** dsdrice  
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**Space:**  
**Page Label:** 117


50.0  
109.9  
112.4  
59.9  
02.7

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**Subject:**  
**Page Index:** 117 112.4  
**Date:** 3/30/2021 10:59:07 AM  
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**Color:**   
**Layer:**  
**Space:**  
**Page Label:** 117


100.0  
88.9  
165.7  
28.1  
110.0

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**Subject:**  
**Page Index:** 117 165.7  
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**Color:**   
**Layer:**  
**Space:**  
**Page Label:** 117

100.7  
28.1  
119.0  
35.7  
05.0


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**Subject:**  
**Page Index:** 117 119.0  
**Date:** 3/30/2021 10:59:13 AM  
**Author:** dsdrice  
**Color:**   
**Layer:**  
**Space:**  
**Page Label:** 117


33.1  
35.8  
114.2  
112.7  
78.7

**Subject:**  
**Page Index:** 117  
**Date:** 3/30/2021 10:59:15 AM  
**Author:** dsdrice  
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**Page Label:** 117


33.8  
114.2  
112.7  
78.7  
46.8

**Subject:**  
**Page Index:** 117  
**Date:** 3/30/2021 10:59:17 AM  
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**Page Label:** 117

(%)  
104.8  
64.1  
25.4


**Subject:**  
**Page Index:** 117  
**Date:** 3/30/2021 10:59:25 AM  
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**Page Label:** 117

70.1  
77.1  
153.1  
101.0  
28.2

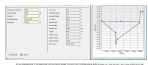
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120 (2)



**Subject:** Text Box  
**Page Index:** 120  
**Date:** 1/14/2021 10:32:08 AM  
**Author:** FC  
**Color:**   
**Layer:**  
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**Page Label:** 120

MARKSHEFFEL HALF SECTION EMERGENCY OVERFLOW CAPACITY



**Subject:** Typewriter  
**Page Index:** 120  
**Date:** 1/27/2021 4:42:41 PM  
**Author:** FC  
**Color:**   
**Layer:**  
**Space:**  
**Page Label:** 120

IF AN EMERGENCY OVERFLOW SITUATION WERE TO OCCUR, UPSTREAM BASIN'S (A6A, A7, A8, A9 A11, A15, A16, AND A21) 100 YEAR RUNOFF WOULD TRAVEL DOWN MARKSHEFFEL ROAD AND SHEET FLOW INTO SAND CREEK. THE TOTAL 100 YEAR RUNOFF OF THESE BASINS IS 126.7 CFS.

Verify intersection grades

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132 (1)

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19  
34  
58  
91  
99



**Subject:** Highlight  
**Page Index:** 132  
**Date:** 3/30/2021 10:59:57 AM  
**Author:** dsdrice  
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**Page Label:** 132

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143 (1)

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missing pages?

**Subject:** Text Box  
**Page Index:** 143  
**Date:** 3/30/2021 11:10:51 AM  
**Author:** dsdrice  
**Color:** ■  
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**Page Label:** 143

missing pages?

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233 (2)

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**Subject:** Callout  
**Page Index:** 233  
**Date:** 3/30/2021 11:13:02 AM  
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**Space:**  
**Page Label:** 233

See plat comments for added tracts

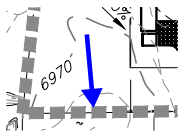


**Subject:** Highlight  
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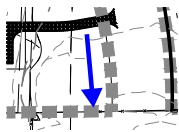
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274 (4)

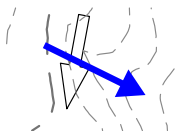
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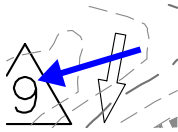
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**Subject:** Arrow  
**Page Index:** 274  
**Date:** 3/30/2021 11:01:07 AM  
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**Page Label:** 274



**Subject:** Arrow  
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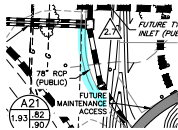


**Subject:** Arrow  
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**Date:** 3/30/2021 11:01:28 AM  
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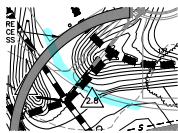
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275 (4)

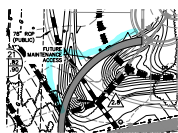
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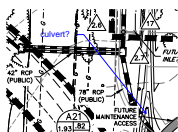
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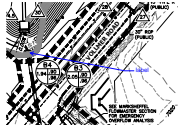
culvert?



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276 (2)

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**Page Index:** 276  
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label



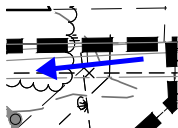
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**Page Label:** 276

Show proposed grading

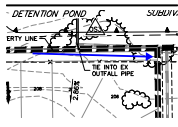
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277 (4)

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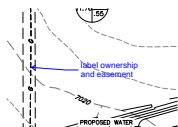


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**Subject:** Callout  
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**Date:** 3/30/2021 11:19:52 AM  
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**Page Label:** 277

proposed contours missing?



**Subject:** Callout  
**Page Index:** 277  
**Date:** 3/30/2021 11:20:30 AM  
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**Layer:**  
**Space:**  
**Page Label:** 277

label ownership and easement