ENG-CDR20004-R2-FDR-redlines.pdf Markup Summary

1 (2) Subject: Text Box Also see comment letter. Blue highlights are on Page Index: 1 areas of concern that need to be revised or Date: 11/17/2020 9:51:38 AM verified. Author: dsdrice Color: Layer: Space: Page Label: 1 Subject: EPC ENG Review Page Index: 1 Date: 11/17/2020 9:51:57 AM Author: dsdrice Color: Layer: Space: Page Label: 1 4 (4) Subject: Callout until accepted by the County Page Index: 4 Date: 11/17/2020 1:15:06 PM Author: dsdrice Color: Layer: Space: Page Label: 4 Subject: Cloud+ verify Page Index: 4 Date: 11/17/2020 9:55:31 AM Author: dsdrice Color: Layer: Space: Page Label: 4 Subject: Callout feet? Page Index: 4 Date: 11/17/2020 9:56:38 AM Author: dsdrice Color: Layer: Space: Page Label: 4 Subject: Callout what about Pond W5 outfall? Page Index: 4 Date: 11/17/2020 9:57:23 AM Author: dsdrice Color: Layer: Space:

6 (3)

Subject: Callout Page Index: 6

Date: 11/17/2020 1:18:22 PM

Author: dsdrice

Color: Layer: Space:

Page Label: 6

lo Springs and El Paso County Flood I rgency Management Agency, effective Filing No. 1

Subject: Callout Page Index: 6

Date: 11/17/2020 1:18:41 PM

Author: dsdrice es for the existing condition floodplain design. The existing condition floodplai

Color: Layer: Space: Page Label: 6 Filing No. 1

Final Drainage Report for

Subject: Text Box Page Index: 6

Date: 11/17/2020 1:21:35 PM

Author: dsdrice Color: Layer: Space: Page Label: 6

Provide a complete and thorough discussion on Reference 2 including correlation of DBPS costs to anticipated costs for each reach and item.

7(3)

Subject: Highlight Page Index: 7

Date: 11/17/2020 1:38:03 PM

Author: dsdrice Color: Layer: Space: Page Label: 7

ized

Subject: Highlight Page Index: 7

Date: 11/17/2020 1:38:06 PM

Author: dsdrice Color: Layer: Space:

Page Label: 7

Subject: Text Box Page Index: 7

Date: 11/17/2020 1:38:32 PM

Author: dsdrice Color: Layer: Space: Page Label: 7

Address the effects of diversions upstream of the confluence at DP 53. See comment letter.

on the be

Subject: Highlight Page Index: 8

is 1.55 po Date: 11/19/2020 1:01:52 PM

Author: dsdrice

Color: Layer: Space: Page Label: 8

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Subject: Page Index: 8

Date: 11/19/2020 1:04:33 PM

Author: dsdrice Color: Layer: Space: Page Label: 8

Subject: Page Index: 8

Date: 11/19/2020 1:05:24 PM

Author: dsdrice Color: Layer: Space: Page Label: 8

Subject: Page Index: 8

Date: 11/19/2020 1:06:05 PM

Author: dsdrice Color: Layer: Space: Page Label: 8

Nothing has changed based on EPC comments.

were caused and Production than the state or equations with Class Traction for the origination present for the city, in 2.5 panels and equation with Class of traction of the origination present for the city, in 2.5 panels and city of the city of

Subject: Text Box Page Index: 8

Date: 11/19/2020 1:06:30 PM

Author: dsdrice Color: Layer: Space: Page Label: 8

Subject: Page Index: 8

Date: 11/19/2020 1:06:39 PM

Author: dsdrice Color: Layer: Space: Page Label: 8

Model does not meet these?

Subject: Callout Page Index: 9

Space: Page Label: 9

Date: 11/19/2020 1:09:00 PM

Author: dsdrice Color: Layer: Space: Page Label: 9

doesn't match plans

Subject: Cloud+ Page Index: 9

Date: 11/19/2020 1:11:06 PM

Author: dsdrice Color: Layer: Space: Page Label: 9

this project is providing the design?

10 (2)



Subject: Cloud+ Page Index: 10

Date: 11/19/2020 1:12:42 PM

Author: dsdrice Color: Layer: Space: Page Label: 10

These need to be addressed if there is residential development adjacent.

Subject: Highlight ther Page Index: 10 nel. Date: 11/19/2020 1:14:06 PM Author: dsdrice cess Color: Layer: Space: Page Label: 10 11 (2) Subject: 20 Page Index: 11 Date: 11/19/2020 1:17:37 PM 2 recommended and riprap lines I design with 20 will exceed the Author: dsdrice Color: Layer: Space: Page Label: 11 Subject: Callout State whether the bridges are to be constructed Page Index: 11 completely or phased. Date: 11/19/2020 1:19:14 PM Author: dsdrice Color: Layer: Space: Page Label: 11 12 (2) Subject: Text Box Address MDDP recommendations, including this: Page Index: 12

Date: 11/19/2020 1:19:57 PM

Author: dsdrice Color: Layer: Space:

Page Label: 12

Subject: Snapshot Page Index: 12

Date: 11/19/2020 1:19:57 PM

Author: dsdrice Color: Layer: Space:

Page Label: 12

16 (1)

Subject: 40.8 ft 1,474.2 cfs Page Index: 16

8.1 fps 0.67

10.6 fps

Date: 11/19/2020 1:21:50 PM

Author: dsdrice Color:

Layer: Space: Page Label: 16

8.1 fps

//6,2 cts	Subject:
7.8 fps	Page Index: 17
0.92	Date: 11/19/2020 1:25:03 PM
8.3 fps	Author: dsdrice
2/8	Color:
	Layer:
	Space:
	Page Label: 17
	- age
= 1,922.1 cfs	Subject:
= 10.6 fps	Page Index: 17
= 0.88	Date: 11/19/2020 1:25:05 PM
= 11.6 fps	Author: dsdrice
= 4.6 ft	Color:
	Layer:
	Space:
	Page Label: 17
	raye Lavei. 17

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20 (2)



Subject:

Page Index: 20 Date: 11/19/2020 1:25:35 PM

Author: dsdrice Color: Layer: Space: Page Label: 20



Subject: Page Index: 20

Date: 11/19/2020 1:25:37 PM

Author: dsdrice Color: Layer: Space: Page Label: 20



Subject: Highlight Page Index: 21 Date: 11/19/2020 1:25:48 PM

Author: dsdrice Color: Layer: Space: Page Label: 21

Subject: Highlight

Page Index: 21

Date: 11/19/2020 1:26:09 PM

Author: dsdrice Color: Layer: Space:

25 (9)		
	Subject:	
8.77	_ Page Index: 25	9.31
9.31	Date: 11/19/2020 1:28:05 PM Author: dsdrice	
10.46	Color:	
	Layer: Space:	
	Page Label: 25	
8.50	Subject:	9.04
9.04	Page Index: 25 Date: 11/19/2020 1:28:07 PM	0.01
10.23	Author: dsdrice	
10.25	Color: Layer:	
	Space:	
	Page Label: 25	
	Subject:	
8.80	_ Page Index: 25	9.35
9.35	Date: 11/19/2020 1:28:12 PM Author: dsdrice	
10.49	Color:	
	Layer: Space:	
	Page Label: 25	
8.44	Subject:	8.98
8.98	Page Index: 25Date: 11/19/2020 1:28:46 PM	
10.15	Author: dsdrice Color:	
	Layer:	
	Space: Page Label: 25	
	rage Label. 23	
	Subject:	
9.56	Page Index: 25 Date: 11/19/2020 1:28:48 PM	10.30
10.30	- Author: dsdrice	
11.07	Color: Layer:	
	Space:	
	Page Label: 25	
8.66	Subject: Page Index: 25	9.25
9.25	Date: 11/19/2020 1:29:11 PM	
10.41	Author: dsdrice Color:	
	Layer:	
	Space: Page Label: 25	
	<u> </u>	

8.55	Subject:	9.17
9.17	Page Index: 25 Date: 11/19/2020 1:31:35 PM	•
10.35	Author: dsdrice	
10.00	Color: Layer:	
	Space:	
	Page Label: 25	
1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982 1982	Subject: Text Box Page Index: 25	Please label the drop stations. All of the
Please label the drop stations. All of the highlighted velocities are between drops.	Date: 11/19/2020 1:34:48 PM	highlighted velocities are between drops.
	Author: dsdrice Color:	
	Layer:	
	Space:	
	Page Label: 25	
	Subject: Callout	
Excessive	Page Index: 25	Excessive velocities highlighted.
velocities highlighted.	Date: 11/19/2020 2:04:58 PM	
G. Elev E. G. Slope Vel Chel Flow Area Top Wild (%) (9310) (938) (sq %) (9)	Author: dsdrice Color:	
	Layer:	
	Space: Page Label: 25	
26 (5)		
7.46	Subject:	7.97
7.97	Page Index: 26 Date: 11/19/2020 2:02:03 PM	1.31
	Author: dsdrice	
9.02	Color:	
	Layer: Space:	
	Page Label: 26	
9.35	Subject: Page Index: 26	10.07
10.07	Date: 11/19/2020 2:02:11 PM	
11.35	Author: dsdrice	
	Color: Layer:	
	Space:	
	Page Label: 26	
	Subject:	
8.50	Page Index: 26	9.06
9.06	Date: 11/19/2020 2:02:50 PM Author: dsdrice	
10.19	Color:	
	Layer:	
	Space: Page Label: 26	

8.88	Subject:	9.44
9.44	Page Index: 26 Date: 11/19/2020 2:03:17 PM	3.44
10.57	Author: dsdrice	
10.57	Color: Layer:	
	Space:	
	Page Label: 26	
8.83	Subject:	9.38
9.38	Page Index: 26 Date: 11/19/2020 2:03:32 PM	3.30
	Author: dsdrice	
10.48	Color:	
	Layer: Space:	
	Page Label: 26	
27 (3)		
9.55	Subject:	10.31
10.31	Page Index: 27 Date: 11/19/2020 2:01:17 PM	
11.66	Author: dsdrice	
	Color: Layer:	
	Space:	
	Page Label: 27	
8.49	Subject: Page Index: 27	9.04
9.04	Date: 11/19/2020 2:01:33 PM	
10.19	Author: dsdrice Color:	
	Layer:	
	Space:	
	Page Label: 27	
	Subject: Text Box Page Index: 27	(This page not reviewed)
(This page not reviewed)	Date: 11/19/2020 2:04:08 PM	
A	Author: dsdrice	
7/10 1 10/10 10 10 10 10 10 10 10 10 10 10 10 10 1	Color: Layer:	
	Space:	
	Page Label: 27	
20 (1)		
28 (1)		
	Subject: Text Box Page Index: 28	(This page not reviewed)
(This page not reviewed)	Date: 11/19/2020 2:04:12 PM	
7 E.E. Signer Vol. Clott Flore Area Septidition Frontied COC Clotter Septidition Sep	Author: dsdrice	
2 45950 20 W.F 10 0 00 00 00 00 00 00 00 00 00 00 00 0	Color: Layer:	
	Space:	
	Page Label: 28	

8.87	Subject:	9.44
9.44	Page Index: 30 Date: 11/19/2020 1:52:03 PM	
10.57	Author: dsdrice Color:	
ı	Layer:	
	Space: Page Label: 30	
	rage Laber. 50	
0.50	Subject:	
8.50	_ Page Index: 30	9.05
9.05	Date: 11/19/2020 1:52:11 PM Author: dsdrice	
10.19	Color:	
	Layer: Space:	
	Page Label: 30	
31 (8)		
31 (0)	Outlibert	
8.77	Subject: Page Index: 31	9.35
9.35	Date: 11/19/2020 1:47:37 PM Author: dsdrice	
10.38	Color:	
	Layer: Space:	
	Page Label: 31	
9.46	Subject:	10.19
10.19	Page Index: 31 Date: 11/19/2020 1:47:39 PM	
11.78	Author: dsdrice	
-	Color: Layer:	
	Space: Page Label: 31	
	rage Label. 31	
	Subject:	
9.52	_ Page Index: 31	10.41
11.60	Date: 11/19/2020 1:48:04 PM Author: dsdrice	
11.00	Color: Layer:	
	Space:	
	Page Label: 31	
	Cubicati	
8.54	Subject: Page Index: 31	8.99
8.99	Date: 11/19/2020 1:48:57 PM Author: dsdrice	
10.22	Color:	
	Layer: Space:	
	Page Label: 31	

8.79	Subject:	9.30
9.30	Page Index: 31 Date: 11/19/2020 1:49:07 PM	
10.43	Author: dsdrice Color: Layer: Space:	
	Page Label: 31	
8.87	Subject:	9.43
9.43	Page Index: 31 Date: 11/19/2020 1:49:20 PM	
10.56	Author: dsdrice	
.0.00	Color: Layer:	
	Space:	
	Page Label: 31	
8.89	Subject:	0.40
9.46	Page Index: 31 Date: 11/19/2020 1:49:48 PM	9.46
	Author: dsdrice	
10.60	Color: Layer:	
	Space:	
	Page Label: 31	
1	Subject:	
8.89	Page Index: 31	9.46
9.46	Date: 11/19/2020 1:50:02 PM Author: dsdrice	
10.60	Color:	
	Layer: Space:	
	Page Label: 31	
32 (2)		
	Subject:	
9.55	Page Index: 32	10.31
10.31	Date: 11/19/2020 1:46:29 PM Author: dsdrice	
11.67	- Color:	
	Layer: Space:	
	Page Label: 32	
8.49	Subject: Page Index: 32	9.04
9.04	Date: 11/19/2020 1:46:56 PM Author: dsdrice	
10.19	Color:	
	Layer: Space:	
	Page Label: 32	

33 (3) Subject: Callout on a curve Page Index: 33 Date: 11/19/2020 1:39:04 PM curve Author: dsdrice Color: Layer: Space: Page Label: 33 Subject: 6.92 7.47 Page Index: 33 7.47 Date: 11/19/2020 1:39:13 PM Author: dsdrice 8.55 Color: Layer: Space: Page Label: 33 Subject: Text Box Sterling Ranch Blvd. Page Index: 33 terling Date: 11/19/2020 1:54:11 PM Ranch Blvc Author: dsdrice Color: Layer: Space: Page Label: 33 34 (4)

Provide modeling to DP 50A

Subject: Text Box Page Index: 34

Date: 11/19/2020 1:42:45 PM

Author: dsdrice
Color: Layer:
Space:
Page Label: 34

Provide modeling to DP 60A (downstream of

proposed pond outfall)

9.55 10.31 11.67 Subject: Page Index: 34

Date: 11/19/2020 1:43:46 PM

Author: dsdrice
Color: Layer:
Space:

Page Label: 34

10.31

Excessive velocities highlighted.

Subject: Callout Page Index: 34

Date: 11/19/2020 1:44:32 PM

Author: dsdrice
Color: Layer:
Space:
Page Label: 34

Excessive velocities highlighted.

9.55 10.31

11.67

Subject:

Page Index: 34 Date: 11/19/2020 1:56:01 PM

Author: dsdrice

Color: Layer: Space: Page Label: 34 10.31

61 (1)



Subject: Highlight Page Index: 61

Date: 11/19/2020 2:19:17 PM

Author: dsdrice Color: Layer: Space:

Page Label: 61

73 (1)



Subject: Text Box Page Index: 73

Date: 11/19/2020 2:24:25 PM

Author: dsdrice Color: Layer: Space:

Page Label: 73

Provide modeling through the property line and downstream to DP 60A (downstream of proposed pond and diversion outfall).

125 (1)



Subject: Text Box Page Index: 125

Date: 11/19/2020 2:29:28 PM

Author: dsdrice Color: Layer: Space:

Page Label: 125

Provide complete report and plan for the extents of construction

136 (1)



Subject: Text Box Page Index: 136

Date: 11/19/2020 2:28:53 PM

Author: dsdrice Color: Layer: Space:

Page Label: 136

Provide original PDF versions of these Core sheets.

153 (1)



Subject: Text Box Page Index: 153

Date: 11/19/2020 2:41:38 PM

Author: dsdrice Color: Layer: Space:

Page Label: 153

Provide Section IV pages 40, 49, and VII 51-54 ...

156 (1)

Subject: Text Box
Page Index: 156
Date: 11/19/2020 2:43:01 PM
Author: dsdrice
Color: Layer:
Space:
Page Label: 156

Also provide Sheets 48 and 47