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435 71

results?
arges all assume existing, or
tained from a Soil Conservation
the "SCS" method. The hydrology
milar. The MDDP used the U.
curve numbers to develop the

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results?

6 (11)

C DESIGN CRITERIA
lain certification study will be conducted
ubmittal will be required after constructio
within future Sterling Ranch Filings that v
en bridge low chord and 100-year design
of 15 feet and well below the 2-foot mi
riteria Manual bridge.
scour was performed at upstream and
structure is entered as culvert, the bridge

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Author: dsdrice
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Verify

0.2 percent
4 feet
.025-.035

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was



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year
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year

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one

and 100-year de
 l below the 2-foot
 ge. above?
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above?

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a

0.75

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0.75

ding Iron at
ridge cross


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average width at each follows.
previous acre

200' of channel,
255' SABC

ans is to be completed all at
will commence prior to or
the first. EITC No. 2 and


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200' of channel, 255' SABC

10 (2)


ve adequate capacity to carry effective 100-y
r surface elevations. Scour analysis indicates
prevent undermining of the structure durin
acts to the downstream natural channel com

shear stress

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Author: dsdrice
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shear stress


References?

Subject: ADD/MODIFY TEXT
Page Index: 10
Date: 1/28/2022 10:41:30 AM
Author: Alivia Plankis
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References?

12 (1)


Delete duplicate Appendix cover sheet

Subject: ADD/MODIFY TEXT
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Author: Alivia Plankis
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Delete duplicate Appendix cover sheet

13 (1)

Delete duplicate Appendix cover sheet

Subject: ADD/MODIFY TEXT
Page Index: 13
Date: 1/28/2022 10:41:49 AM
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Delete duplicate Appendix cover sheet

14 (1)

Delete duplicate Appendix cover sheet

Subject: ADD/MODIFY TEXT
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Date: 1/28/2022 10:42:08 AM
Author: Alivia Plankis
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Delete duplicate Appendix cover sheet

15 (1)

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Subject: ADD/MODIFY TEXT
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Date: 1/28/2022 10:42:20 AM
Author: Alivia Plankis
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Delete duplicate Appendix cover sheet

16 (1)

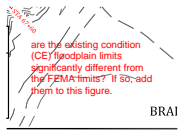
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Add FEMA FIRM panel

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Date: 1/28/2022 10:42:30 AM
Author: Alivia Plankis
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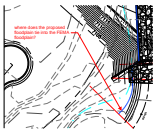
Add FEMA FIRM panel

18 (2)



Subject: ADD/MODIFY TEXT
Page Index: 18
Date: 1/28/2022 10:42:58 AM
Author: Alivia Plankis
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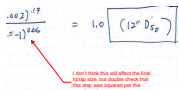
are the existing condition (CE) floodplain limits significantly different from the FEMA limits? If so, add them to this figure.



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where does the proposed floodplain tie into the FEMA floodplain?

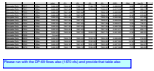
21 (1)



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I don't think this will affect the final riprap size, but double check that this step was squared per the equation above.

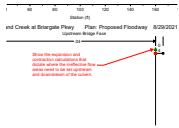
26 (1)



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Author: dsdrice
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Please run with the DP-69 flows also (1870 cfs) and provide that table also

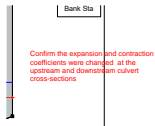
31 (1)



Subject: LEADERED NOTE
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Show the expansion and contraction calculations that dictate where the ineffective flow areas need to be set upstream and downstream of the culvert.

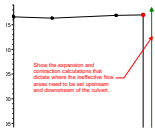
32 (1)



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Confirm the expansion and contraction coefficients were changed at the upstream and downstream culvert cross-sections

33 (1)



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Show the expansion and contraction calculations that dictate where the ineffective flow areas need to be set upstream and downstream of the culvert.

54 (1)

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71 (1)

Should the newer report dated July 29, 2021 from the project? (At least use the appendix sheets from that report, which are legible)

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Should the newer report dated July 29, 2021 also be provided? (At least use the appendix sheets from that report, which are legible)

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Update as applicable

