

ENG-PUDSP21010-R7-PDR.pdf Markup Summary

2 (1)

IDENTIFICATION

have read and will comply with all of the re

Provide Signature

z. Horton
55 S. Kinaston Court

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Page Index: 2
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Author: CDurham
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Provide Signature

3 (4)

These should be the last items in the appendix.
City Plan
v Reserve CLOMR Report (03/22/23)
ances

Subject: Callout
Page Index: 3
Date: 10/17/2023 12:56:00 PM
Author: CDurham
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These should be the last items in the appendix.

279-374
375-551

E **Subject:** Text Box
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G **Date:** 10/20/2023 3:12:16 PM
Author: Jeff Rice - EPC Engineering Review
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279-374
375-551

D. Water Quality Computations
E. Drainage Maps & Water Quality Plan
F. Eastonville PDR & Grandview Reserve CLOMR
G. MDDP & DP'S Street References
please add pdf page numbers (update these)

Subject: Callout
Page Index: 3
Date: 10/20/2023 3:13:24 PM
Author: Jeff Rice - EPC Engineering Review
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please add pdf page numbers (update these)

separate line?
separate CLOMR Report (03/22/23)

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Author: Jeff Rice - EPC Engineering Review
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separate line?

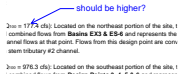
5 (1)


Unresolved: Please discuss the difference between FEMA flows (at then-existing conditions), 514 cfs in Eastonville report, and Meridian Ranch MDDP - DP-G06 1.45 sq. mi., historic Q100=628, developed 663 cfs. This will need to be resolved with the final drainage report.

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Unresolved:
Please discuss the difference between FEMA flows (at then-existing conditions), 514 cfs in Eastonville report, and Meridian Ranch MDDP - DP-G06 1.45 sq. mi., historic Q100=628, developed 663 cfs. This will need to be resolved with the final drainage report.


7 (2)

 should be higher?
Design Point #1 (DP1) Located on the northeast portion of the site, it is a combined flow from Basins E02 & E04 and represents the small flows at that point. Flows from this design point are conveyed into a 42' channel.

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should be higher?


 total
existing main stem tributary #2 channel flows

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total
existing main stem tributary #2 channel flows

8 (2)



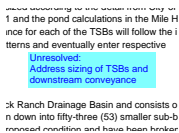
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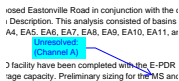
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10 (3)

 Unresolved:
Address sizing of TSBs and downstream conveyance

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Unresolved:
Address sizing of TSBs and downstream conveyance

 Unresolved:
(Channel A)

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Unresolved:
(Channel A)

Retention ponds or two sediment basins. All necessary calculations can be found in the report.
Revised to include Reach Tab #1 (Channel A) and Reach Tab #2 (Channel B) into the E-PDR. Currently, these channels receive flow from two off-site Design Storms for the E-PDR and The Secondary Flows of PDR (Alternative A) for the E-PDR and The Secondary Flows of PDR (Alternative B) for the E-PDR. The 10-, 25-, 50-, 100-, and 500-year storms are used for the E-PDR and The Secondary Flows of PDR (Alternative B) for the E-PDR.
[see Existing Conditions comment]
all of the proposed Eastonville Basin to conform with the other units and Sub-Area Drainage. The analysis consisted of both CDD, CDD, CDD, EA-3, EA-4, EA-5, EA-6, EA-7, EA-8, EA-9, EA-10, and EA-11. See references.
The EA-3 PDR has been completed with the E-PDR (Reach B) 10' such of storage capacity. Preliminary study for the E-PDR and Eastonville

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(see Existing Conditions comment)

11 (1)

project site. This property will need to submit a separate drainage water quality and retention design, as part of its development, as per system separate from the callout for the property will be required to ensure the site drainage, once constructed, will not adversely affect downstream facilities. Preliminary pond sizing calculations have been performed. Retention ponds will be required to be adjacent to the project site.
[see Existing Conditions comment]
EA-3 doesn't match plan
EA-3 (10.3 cfs). Located at the northern border of the site (Eastonville Road). Runoff from this basin will shed to downstream to a public 10' CDDT Type R inlet in sump - 17' at the end of the cul-de-sac for Farm Close Court. It is gutter on the east side of Eastonville Road and be directed into the main storm tributary #2 channel.

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doesn't match plan

19 (1)

EA-3 (14.8 cfs). Located on the western side of the site (Eastonville Road). Runoff from this basin will shed to downstream to a public 10' CDDT Type R inlet in sump - 17' at the end of the cul-de-sac for Farm Close Court. It is gutter on the east side of Eastonville Road and be directed into the main storm tributary #2 channel.
EA-3 doesn't match plan
EA-3 (10.3 cfs). Located at the northern border of the site (Eastonville Road). Runoff from this basin will shed to downstream to a public 10' CDDT Type R inlet in sump - 17' at the end of the cul-de-sac for Farm Close Court. It is gutter on the east side of Eastonville Road and be directed into the main storm tributary #2 channel.

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Page Index: 19
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Author: Jeff Rice - EPC Engineering Review
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EA-3 got deleted?

57 (1)



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Page Index: 57
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Author: CDurham
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Verify this input value and warning, as it appears on several sheets

151 (1)

Known Q = 16.10
Flow per summary table on drainage map shows DP EA1 with a flow of 19.5 cfs

Subject: Callout
Page Index: 151
Date: 10/17/2023 11:49:42 AM
Author: CDurham
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Flow per summary table on drainage map shows DP EA1 with a flow of 19.5 cfs

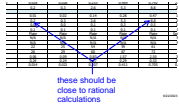
157 (1)

APPENDIX D
Water Quality Requirements

Subject: Engineer
Page Index: 157
Date: 10/20/2023 4:24:13 PM
Author: Jeff Rice - EPC Engineering Review
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Provide HEC-RAS summary tables for both channels somewhere in the PDR

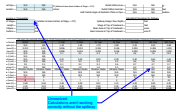
206 (1)



Subject: Callout
Page Index: 206
Date: 10/20/2023 4:42:47 PM
Author: Jeff Rice - EPC Engineering Review
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these should be close to rational calculations

264 (1)



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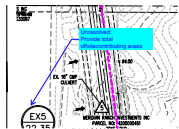
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Calculations aren't working correctly without the spillway

270 (4)



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Unresolved:
Provide total offsitecontributing areas



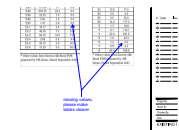
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Unresolved:
Provide total offsitecontributing areas

| Q ₁₀ (cfs) | Q ₁₀₀ (cfs) |
|--------------------------|---------------------------|
| 28.3 | 0.0 |
| 1.7 | 0.0 |
| 22.4 | 0.0 |
| 7.0 | 0.0 |
| 1.2 | 0.0 |
| 0.9 | 0.0 |
| 3.4 | 24.4 |

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Author: Jeff Rice - EPC Engineering Review
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missing values, please make tables clearer

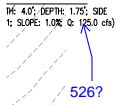


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271 (2)

SECTION
H: 1.75'; SIDE
% Q: 125.0 cfs)

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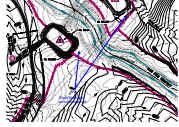
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272 (2)



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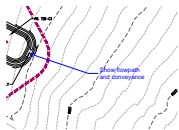
Show how flow gets to channel or state that flows are accounted for in the next pond down



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Show flowpath and conveyance

273 (1)



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Show flowpath and conveyance

274 (6)

| | | |
|-----|------|-------|
| 5 | 1.0 | 3.1 |
| 6 | 4.0 | 10.7 |
| 7 | 1.1 | 2.9 |
| 8 | 14.7 | 39.9 |
| 10a | 7.1 | 18.7 |
| 105 | 8.0 | 125.0 |
| 30 | 38.0 | 928.9 |

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| | | |
|-----|------|-------|
| 7 | 1.1 | 2.0 |
| 8 | 14.7 | 30.8 |
| 10a | 7.1 | 16.7 |
| 35 | 8.0 | 125.0 |
| 34 | 36.0 | 419.0 |

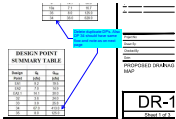
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| | | |
|-------|------|-------|
| EA2 | 7.0 | 14.9 |
| EA2.1 | 14.1 | 30.0 |
| 32 | 3.6 | 24.0 |
| 33 | 3.9 | 25.8 |
| 34 | 67.0 | 419.0 |
| 35 | 8.0 | 125.0 |

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| | | |
|-------|------|-------|
| EA2.1 | 14.1 | 30.0 |
| 32 | 3.6 | 24.0 |
| 33 | 3.9 | 25.8 |
| 34 | 67.0 | 419.0 |
| 35 | 8.0 | 125.0 |

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Delete duplicate DP's. Also DP 34 should have same flow and note as on next page

RESERVE CDMR REPORT, BY FOR REFERENCE ONLY AND AC REPORT.

Missing drainage basin summary table (all sheets)

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Missing drainage basin summary table (all sheets)

552 (1)

Omit duplicative / old appendixes (pdf pages 552-957)

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Page Index: 552
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Author: Jeff Rice - EPC Engineering Review
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Omit duplicative / old appendixes (pdf pages 552-957)