

# rainage V\_1.pdf Markup Summary

1 (1)

SP-19-001

**Subject:** Text Box  
**Page Index:** 1  
**Date:** 3/19/2019 2:09:39 PM  
**Author:** dsdrice  
**Color:** ■  
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**Page Label:** 1

SP-19-001

3 (1)

in accordance with the requirements of the El Paso County Land Use Ordinance Manual Volumes 1 and 2, and the Engineering Standards.  
JENNIFER IRVINE, P.E.  
El Paso County Engineer / ECM Administrator

**Subject:** Text Box  
**Page Index:** 3  
**Date:** 3/19/2019 2:43:32 PM  
**Author:** dsdrice  
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**Page Label:** 3

Jennifer Irvine, P.E.  
County Engineer / ECM Administrator

4 (2)

industry for use with, and for industry hazard facilities.

East half?

refine Cir. and Marksheffel Rd. - the 6th P.M., El Paso County, Colorado.

Dr., on the north by the Chateau at sheffel Rd., and on the south by N.

**Subject:** Callout  
**Page Index:** 4  
**Date:** 3/19/2019 2:50:06 PM  
**Author:** dsdrice  
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East half?

on vacancy located as the northern end of the existing 24" CMP storm culvert originally studied as part of the previously for Hilltop Subdivision El Paso County, 1998.

Provide excerpts.

Area, Colorado, prepared by the U.S. Army Corps of Engineers, Fort Collins, Colorado, for map.

**Subject:** Callout  
**Page Index:** 4  
**Date:** 3/19/2019 2:57:27 PM  
**Author:** dsdrice  
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**Page Label:** 4

Provide excerpts.

5 (2)

the Federal Emergency Management Agency (FEMA) Flood Hazard Insurance Study for the project area is included in the appendix.  
HYDROLOGY (RATIONAL METHOD) & HYDRAULIC SUMMARY  
of the specific analysis, the project site has been divided into

**Subject:** Cloud+  
**Page Index:** 5  
**Date:** 3/20/2019 9:21:18 AM  
**Author:** dsdrice  
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**Layer:**  
**Space:**  
**Page Label:** 5

update

R	9.62	18.1
S	5.10	10.7
T	5.10	192.7

Provide total contributing area

**Subject:** Cloud+  
**Page Index:** 5  
**Date:** 3/20/2019 9:23:03 AM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
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**Page Label:** 5

Provide total contributing area

6 (3)

R	9.62	18.1
S	5.10	10.7
T	5.10	192.7

**Subject:** Text Box  
**Page Index:** 6  
**Date:** 3/20/2019 8:51:43 PM  
**Author:** dsdrice  
**Color:** ■  
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**Page Label:** 6

Provide total flows and intercepted/bypassed for each basin/DP.

R	9.62	18.1
S	5.10	10.7
T	5.10	192.7

**Subject:** Text Box  
**Page Index:** 6  
**Date:** 3/20/2019 9:17:42 PM  
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**Color:** ■  
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**Space:**  
**Page Label:** 6

Provide the level of detail in the previous report for all DPs.



**Subject:** Highlight  
**Page Index:** 6  
**Date:** 3/20/2019 9:22:13 AM  
**Author:** dsdrice  
**Color:** ■  
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**Page Label:** 6

8 (1)

R	9.62	18.1
S	5.10	10.7
T	5.10	192.7

**Subject:** Text Box  
**Page Index:** 8  
**Date:** 3/20/2019 9:20:46 PM  
**Author:** dsdrice  
**Color:** ■  
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**Page Label:** 8

Provide the level of detail in the previous report for both ponds. Address maintenance access, overflow paths and spillway protection.

9 (2)

R	9.62	18.1
S	5.10	10.7
T	5.10	192.7

**Subject:** Text Box  
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**Date:** 3/20/2019 9:23:12 PM  
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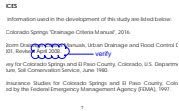
For information; to be calculated at time of each final plat submittal.



**Subject:** Callout  
**Page Index:** 9  
**Date:** 3/20/2019 9:25:56 PM  
**Author:** dsdrice  
**Color:** ■  
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**Space:**  
**Page Label:** 9

Revise to address ECM I.7.2.A - Step 4: Consider Need for Industrial and Commercial BMPs (not applicable).

10 (2)



**Subject:** Cloud+  
**Page Index:** 10  
**Date:** 3/20/2019 9:24:17 AM  
**Author:** dsdrice  
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**Page Label:** 10

verify



**Subject:** Cloud+  
**Page Index:** 10  
**Date:** 3/20/2019 9:24:35 AM  
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**Page Label:** 10

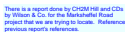
2018

11 (2)



**Subject:** Callout  
**Page Index:** 11  
**Date:** 3/20/2019 9:25:15 AM  
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**Color:** ■  
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**Space:**  
**Page Label:** 11

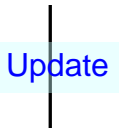
Include this report in appendix.



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**Page Label:** 11

There is a report done by CH2M Hill and CDs by Wilson & Co. for the Marksheffel Road project that we are trying to locate. Reference previous report's references.

17 (1)

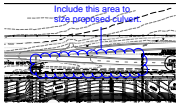


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Update

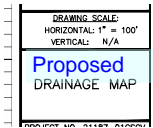


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**Page Label:** 18



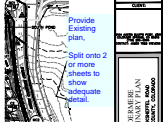
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**Date:** 3/19/2019 1:55:32 PM  
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Include this area to size proposed culvert.



**Subject:** Text Box  
**Page Index:** 43  
**Date:** 3/19/2019 1:56:17 PM  
**Author:** dsdrice  
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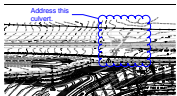
Proposed



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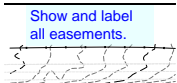
Provide Existing plan,

Split onto 2 or more sheets to show adequate detail.



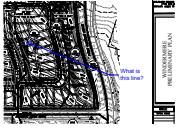
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**Page Label:** 43

Address this culvert.



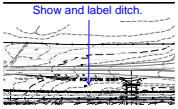
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Show and label all easements.



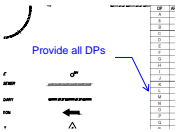
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**Page Label:** 43

What is this line?



**Subject:** Callout  
**Page Index:** 43  
**Date:** 3/20/2019 12:48:07 PM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
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**Page Label:** 43

Show and label ditch.



**Subject:** Callout  
**Page Index:** 43  
**Date:** 3/20/2019 8:48:39 PM  
**Author:** dsdrice  
**Color:** ■  
**Layer:**  
**Space:**  
**Page Label:** 43

Provide all DPs