

ENG-SF18027-2024R1 - FDR.pdf Markup Summary

1 (3)

Subject: Text Box

See comment letter also.

Page Index: 1

[See comment letter also.](#)

Date: 3/26/2024 4:44:15 PM

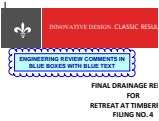
Author: Jeff Rice - EPC Engineering Review

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Page Label: 1



Subject: PCD Comment Legend

Page Index: 1

Date: 3/26/2024 4:44:12 PM

Author: Jeff Rice - EPC Engineering Review

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Subject: Stamp - Stormwater Comment Legend

Page Index: 1

Date: 3/27/2024 9:19:41 AM

Author: Mikayla Hartford

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5 (1)

consists of a 5.5 Ac. off-site basin fi
sheet flows on-site into Basin EX-1.
and swale

and swale

Subject: Callout

Page Index: 5

Date: 3/26/2024 3:18:09 PM

Author: Jeff Rice - EPC Engineering Review

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Page Label: 4

consists of a 9.6 Ac. off-site basin aj
that sheet flows on-site into Basin

7 (1)



Subject: Callout

district-maintained

Page Index: 7

Date: 3/26/2024 3:25:28 PM

Author: Jeff Rice - EPC Engineering Review

Color: ■

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Page Label: 6



Subject: Highlight
Page Index: 13
Date: 3/26/2024 3:47:36 PM
Author: Jeff Rice - EPC Engineering Review
Color:
Layer:
Space:
Page Label: 12

41 (2)

2	8
3	9

Subject: SW - Highlight
Page Index: 41
Date: 3/27/2024 12:01:07 PM
Author: Mikayla Hartford
Color:
Layer:
Space:
Page Label: 41

3 9

1.00	0.75	0.50	0.25	0.01	10	10
1.00	1.00	1.00	1.00	1.00	1	1
1.00	1.00	1.00	1.00	1.00	1	1

In the Filing 3 drainage report OS-4 which corresponds with DP-6 is listed as having flows of 2 and 6 cfs. Discuss discrepancies between original calculations and proposed results and verify the rain garden can still accept all flows from filing 4.

Subject: SW - Textbox with Arrow
Page Index: 41
Date: 3/27/2024 12:02:49 PM
Author: Mikayla Hartford
Color:
Layer:
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Page Label: 41

In the Filing 3 drainage report OS-4 which corresponds with DP-6 is listed as having flows of 2 and 6 cfs. Discuss discrepancies between original calculations and proposed results and verify the rain garden can still accept all flows from filing 4.

65 (6)

Provide headwater calculations for the area inlets.
 Provide ditch and channel flow calculations for the proposed ditches and diversion.
 Provide ECB/TRM specifications.

Subject: Text Box
Page Index: 65
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Author: Jeff Rice - EPC Engineering Review
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Provide headwater calculations for the area inlets.
 Provide ditch and channel flow calculations for the proposed ditches and diversion.
 Provide ECB/TRM specifications.

Determine if permanent check dams are necessary in these ditches. El Paso County does not prefer to accept and maintain permanent check dams because they can become a maintenance issue.

Subject: SW - Textbox with Arrow
Page Index: 65
Date: 3/27/2024 9:55:06 AM
Author: Mikayla Hartford
Color:
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Determine if permanent check dams are necessary in these ditches. El Paso County does not prefer to accept and maintain permanent check dams because they can become a maintenance issue.

Provide approved calcs for existing rain garden in the stormwater quality calculations as well

Subject: SW - Textbox
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Author: Mikayla Hartford
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Provide approved calcs for existing rain garden in the stormwater quality calculations as well

Subject: SW - Textbox
Page Index: 65
Date: 3/27/2024 12:47:51 PM
Author: Mikayla Hartford
Color: ■
Layer:
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Page Label: 65

Per DCMv2 – Chap 4.2, trickle channel should at a minimum provide capacity equal to twice the release capacity at the upstream forebay outlet. Provide these calcs in the drainage report and revise plans as needed.

STORMWATER QUALITY CALC

STORI

Subject: SW - Textbox
Page Index: 65
Date: 3/27/2024 1:15:15 PM
Author: Mikayla Hartford
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Provide spillway riprap sizing calcs

Provide spillway riprap sizing calcs

STORI

Subject: Text Box
Page Index: 65
Date: 3/27/2024 5:55:53 PM
Author: Jeff Rice - EPC Engineering Review
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Page Label: 65

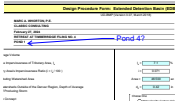
(Discuss with Staff)

(Discuss with Staff)

66 (1)

Subject: Callout
Page Index: 66
Date: 3/26/2024 3:51:50 PM
Author: Jeff Rice - EPC Engineering Review
Color: ■
Layer:
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Pond 4?



71 (20)

Subject: SW - Textbox with Arrow
Page Index: 71
Date: 3/27/2024 2:10:29 PM
Author: Mikayla Hartford
Color: ■
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Page Label: 71

Where do the optional override values come from?



zoidal)

6.00	ft (relat
25.00	feet
3.00	H:V
1.00	feet

Subject: Checkmark
Page Index: 71
Date: 3/27/2024 12:49:55 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
Page Label: 71

6.00	ft (relat
25.00	feet
3.00	H:V
1.00	feet

Subject: Checkmark
Page Index: 71
Date: 3/27/2024 12:49:59 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
Page Label: 71

6.00	ft (relat
25.00	feet
3.00	H:V

Subject: Checkmark
Page Index: 71
Date: 3/27/2024 12:50:25 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
Page Label: 71

3.00	
36.00	
21.00	

Subject: Checkmark
Page Index: 71
Date: 3/27/2024 12:58:41 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
Page Label: 71

3 Restrictor	Not
3.00	
36.00	
21.00	

Subject: Checkmark
Page Index: 71
Date: 3/27/2024 12:58:42 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
Page Label: 71

3 Restrictor	Not
3.00	
36.00	
21.00	

Subject: Checkmark
Page Index: 71
Date: 3/27/2024 12:58:55 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
Page Label: 71

9.00	
4.00	
4.00	
Mesh Grate	
50%	

Subject: Checkmark
Page Index: 71
Date: 3/27/2024 1:06:04 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
Page Label: 71

3.50	
9.00	
4.00	<input checked="" type="checkbox"/>
4.00	
Mech Grate	

Subject: Checkmark
Page Index: 71
Date: 3/27/2024 1:06:46 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
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Line 3 Weir	Not
3.50	
9.00	<input checked="" type="checkbox"/>
4.00	
4.00	

Subject: Checkmark
Page Index: 71
Date: 3/27/2024 1:07:38 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
Page Label: 71

ed Grate and Outlet f	
Line 3 Weir	Not
3.50	<input checked="" type="checkbox"/>
9.00	
4.00	

Subject: Checkmark
Page Index: 71
Date: 3/27/2024 1:08:05 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
Page Label: 71

(numbered from low	
1 (required)	Row 2
0.00	<input checked="" type="checkbox"/>
0.79	

Subject: Checkmark
Page Index: 71
Date: 3/27/2024 1:08:18 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
Page Label: 71

1 (required)	Row 2
0.00	
0.79	<input checked="" type="checkbox"/>

Subject: Checkmark
Page Index: 71
Date: 3/27/2024 1:11:18 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
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lowest to highest)	
v 2 (optional)	Row 3
1.20	<input checked="" type="checkbox"/>
0.89	

Subject: Checkmark
Page Index: 71
Date: 3/27/2024 1:12:45 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
Page Label: 71

v 2 (optional)	Row 3
1.20	
0.89	<input checked="" type="checkbox"/>

Subject: Checkmark
Page Index: 71
Date: 3/27/2024 1:12:45 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
Page Label: 71

v 3 (optional)	Row 4
2.40	<input checked="" type="checkbox"/>
0.89	

Subject: Checkmark
Page Index: 71
Date: 3/27/2024 1:12:48 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
Page Label: 71

v 3 (optional)	Row 4
2.40	
0.89	<input checked="" type="checkbox"/>

Subject: Checkmark
Page Index: 71
Date: 3/27/2024 1:12:48 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
Page Label: 71

0.00	ft (relat
3.50	ft (relat
14.00	inches
N/A	sq. inch

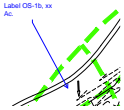
Subject: Checkmark
Page Index: 71
Date: 3/27/2024 1:12:55 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
Page Label: 71

Elliptical Slot Weir (ty	
0.00	ft (relat
3.50	ft (relat
14.00	inches
N/A	sq. inch

Subject: Checkmark
Page Index: 71
Date: 3/27/2024 1:12:56 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
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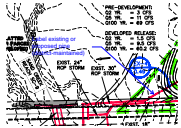
Elliptical Slot Weir (ty	
0.00	ft (relat
3.50	ft (relat
14.00	inches

Subject: Checkmark
Page Index: 71
Date: 3/27/2024 1:12:58 PM
Author: Mikayla Hartford
Color: ■
Layer:
Space:
Page Label: 71



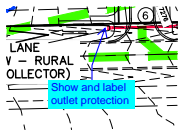
Subject: Callout
Page Index: 79
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Author: Jeff Rice - EPC Engineering Review
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Layer:
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Page Label: [1] Layout1

Label OS-1b, xx Ac.



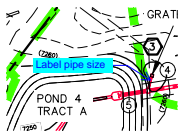
Subject: Callout
Page Index: 79
Date: 3/26/2024 3:50:21 PM
Author: Jeff Rice - EPC Engineering Review
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Layer:
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Page Label: [1] Layout1

Label existing or proposed pipe
(district-maintained)



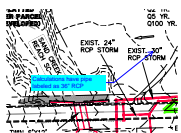
Subject: Callout
Page Index: 79
Date: 3/27/2024 4:35:46 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Show and label outlet protection



Subject: Callout
Page Index: 79
Date: 3/27/2024 4:41:58 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Label pipe size



Subject: Callout
Page Index: 79
Date: 3/27/2024 4:45:13 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Calculations have pipe labeled as 36" RCP