

ENG-CDR23021-R1-FDR-S2.pdf Markup Summary

1 (1)

Subject: Text Box

See comment letter also.

Page Index: 1

[See comment letter also.](#)

Date: 2/21/2024 5:04:15 PM

Author: Jeff Rice - EPC Engineering Review

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4 (9)

ize improvements to
o safely capture and conver
stained stormwater to adequ
from [Londonderry Dr.](#) to R

Subject:

Londonderry Dr.

Page Index: 4

Date: 2/20/2024 4:23:19 PM

Author: Jeff Rice - EPC Engineering Review

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from [Londonderry Dr.](#) to Re:
ent road in El Paso County,
in Sections 21 and 28, Town
State of Colorado.

Subject:

Londonderry Dr. t

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Author: Jeff Rice - EPC Engineering Review

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Subject:

26' wide
temporary pavement

Page Index: 4

Date: 2/20/2024 4:23:45 PM

Author: Jeff Rice - EPC Engineering Review

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retained stormwater to adequa
l from Londonderry Dr. to Rex

gravel

herein, is an existing 26' wide
isting 60' wide El Paso Count

Subject: Callout

gravel

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Author: Jeff Rice - EPC Engineering Review

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unplatted. A vicinity map is pres

isting [temporary pavement](#) road
temporary pavement width for th
five landscaped swales are locat
id through a series of existing cu

Subject:

temporary pavement

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Date: 2/20/2024 4:45:35 PM

Author: Jeff Rice - EPC Engineering Review

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the existing temporary pavement width for the length of the project is 26' wide.



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Date: 2/20/2024 4:46:06 PM
Author: Jeff Rice - EPC Engineering Review
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There are 4' wide gravel shoulders and native landscaped swales are located on both sides of the roadway.

...
 s the west side c
 the western side
 : F.

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Page Index: 4
Date: 2/20/2024 4:51:36 PM
Author: Jeff Rice - EPC Engineering Review
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western

ingeway that traverses the site in the west to east
 Road. The channel is a mapped wetland and a
 mile Road improvement project. Channel A is not with
 of the project site and will not be impacted by this
 area.
 runs along the edge of western side of Eastonville, or
 Eastonville north of Falcon Regional Park, and an existing
 Eastonville Road. An existing drainage map with these

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Author: CDurham
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Show existing gas line on map. Did not see it.

6 (7)

st and northwest of the Eastonvi
 on
 pts flows from areas to the wes
 atigo Development. The flows e
 proved Meridian Ranch MDDP
 consider the detailed analysis of

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Trails


veloped peak flow rates from the
 aluate the existing conditions

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Date: 2/20/2024 8:40:28 PM
Author: Jeff Rice - EPC Engineering Review
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temporary pavement


a and temporary pavement area
 es with flows from Latigo Trails
 total area of 321.5 acres (The
 veeyed across Eastonville Road



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emporary
pavement



Subject:
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Date: 2/20/2024 8:41:56 PM
Author: Jeff Rice - EPC Engineering Review
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Page Label: 6


temporary
pavement

n existing roadside swale where
 11.3 acres (The Sanctuary Filing
 an existing 24" CMP culvert (Q_s =
 and temporary pavement to the
 with flows from The Sanctuary F
 utary #1 and an existing roadside
 Point G06) (Q_s = 22.4 cfs Q₁₀₀ =

Subject:
Page Index: 6
Date: 2/20/2024 8:42:09 PM
Author: Jeff Rice - EPC Engineering Review
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emporary pavement t

arry Drive to Rex Road. As
 sts of 26' wide temporary

Subject:
Page Index: 6
Date: 2/20/2024 8:57:12 PM
Author: Jeff Rice - EPC Engineering Review
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Page Label: 6

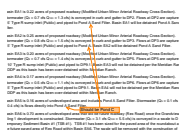
26' wide temporary


Segment 2?
 historically been the predominant land use,
 on is occurring within the drainage basin,
 rails Developments. Both are single family
 rest of the Eastonville Segment 1 Improve

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Segment 2?

7 (11)



Subject: SW - Textbox with Arrow
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Author: Glenn Reese - EPC Stormwater
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Should be Pond C



pavement roadway with
Offsite stormwater is by:
The proposed improvem
Basins EA1-EA11.

Subject: pavement roadway
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Author: Jeff Rice - EPC Engineering Review
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land shoulders and weedy swales located on
under the road through a series of existing cul
in Rex Road south to the southern property li
l of the 26' wide temporary pavement and rep
ross-Section consisting of 48' pavement and re
es Basins EA1-EA11.
gment 1 improvements FDR for subbasin inf

Subject: 26' wide temporary pavement
Page Index: 7
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Author: Jeff Rice - EPC Engineering Review
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Stormwa
a 5' Typ
Filter.

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Page Index: 7
Date: 2/21/2024 10:26:33 AM
Author: Jeff Rice - EPC Engineering Review
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Stormwa
a 5' Typ

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Page Index: 7
Date: 2/21/2024 10:26:41 AM
Author: Jeff Rice - EPC Engineering Review
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EA4 will be detained from
Urban Minor Arterial Roadway Cr
and gutter to DP5. Flows at D
EA3 will not be detained per th
Ranch.

Subject: will not be detained
Page Index: 7
Date: 2/21/2024 10:27:30 AM
Author: Jeff Rice - EPC Engineering Review
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Urban Minor Arterial Roadway C
rb and gutter to DP6. Flows at I
EA4 will not be detained per th
an Ranch.
Pond A Sand Filter. Stormwat

Subject: will not be detained
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Author: Jeff Rice - EPC Engineering Review
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cts Q₁₀₀ =
n a 10' Typ
ment 1 FL

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Page Index: 8
Date: 2/21/2024 10:44:36 AM
Author: Jeff Rice - EPC Engineering Review
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g the west
sed 15" RC
ll occur in

Subject:
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Date: 2/22/2024 8:30:42 AM
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and parking area north of Rex Road and co
mwater is conveyed to DP7 and is captured ir
ad. No development associated with Eastonvil
18" min.
(Q₂ = 0.2 cfs Q₁₀₀ = 1.2 cfs) along the western
DP6 and is captured in a proposed 15' RCP
located with Eastonville Road will occur in Ba
(Q₂ = 3.8 cfs Q₁₀₀ = 17.3 cfs) along the west
P64 in a separate stormwater pond.

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they proposed Urban Minor Roadway Cross-Section
conveyed in curb and gutter to DP17. Flows from DP17
inlet (Public) and piped to Pond B. This inlet design is in #
EA10 will be treated Pond B Full Spectrum Detention Ba
in # FDR.
Stormwater from this basin combines with the
Flow 1.0 cfs is conveyed westward to DP1. This structure
36E.2 cfs are conveyed across Eastonville Road in an out
let Tributary #2 (Channel B). This basin is located upstream
to show which flows go that are upstream of the project at
this basin.

Subject: Callout
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Verify all basin flows with hydrology spreadsheet

9 (4)

Storage Facility Design
The proposed Pond B Full Spectrum Detention Basin
is located upstream of the proposed Pond C Full
Spectrum Detention Basin. The proposed Pond B
Full Spectrum Detention Basin is located upstream
of the proposed Pond C Full Spectrum Detention
Basin. The proposed Pond B Full Spectrum Detention
Basin is located upstream of the proposed Pond C
Full Spectrum Detention Basin. The proposed Pond
B Full Spectrum Detention Basin is located
upstream of the proposed Pond C Full Spectrum
Detention Basin. The proposed Pond B Full
Spectrum Detention Basin is located upstream
of the proposed Pond C Full Spectrum Detention
Basin. The proposed Pond B Full Spectrum
Detention Basin is located upstream of the
proposed Pond C Full Spectrum Detention Basin.
The proposed Pond B Full Spectrum Detention
Basin is located upstream of the proposed Pond
C Full Spectrum Detention Basin. The proposed
Pond B Full Spectrum Detention Basin is located
upstream of the proposed Pond C Full Spectrum
Detention Basin. The proposed Pond B Full
Spectrum Detention Basin is located upstream
of the proposed Pond C Full Spectrum Detention
Basin. The proposed Pond B Full Spectrum
Detention Basin is located upstream of the
proposed Pond C Full Spectrum Detention Basin.

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Clarify if this 0.63ac is the area from this proposed
project (CDR2321) that is being treated by Pond C,
and not the total treatment in the pond (CDR2321
+ Grandview areas).
And state the minimum req'd acreage of treatment

100-yr flow rate with 1.0' of freeboard south. SF
rates at historic runoff rates. Runoff from Pond C will
flow rates.
Add a statement about
which Segment 2 basins
are tributary to this pond:
EA8 - EA11.
The Board of County Commissioners acceptance
Right-of-Way are to be owned and maintained by
and maintained by the Grandview Reserve Mer

Subject: SW - Textbox with Arrow
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Add a statement about which Segment 2 basins
are tributary to this pond: EA8 - EA11.



Subject: SW - Textbox
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Author: Glenn Reese - EPC Stormwater
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Basins OS2 - OS6, and the unnamed basins that are east of Eastonville Rd all have proposed soil disturbances within them, which all must be accounted for via WQ treatment or an applicable WQ exclusion. So please address this in the respective Basin paragraphs and create new proposed sub-basins as necessary.



Subject: SW - Textbox
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Author: Glenn Reese - EPC Stormwater
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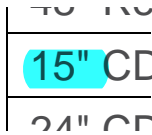
Per DCMv2 – Chap 4.2, trickle channel should at a minimum provide capacity equal to twice the release capacity at the upstream forebay outlet. Provide these calcs in the drainage report and revise plans as needed.

10 (4)



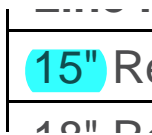
Subject: SW - Textbox with Arrow
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Author: Glenn Reese - EPC Stormwater
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Clarify that this is just for the SFB. The EDB is 40hrs, as recommended by MHFD.



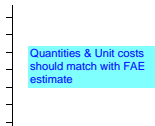
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Author: Jeff Rice - EPC Engineering Review
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15"



Subject:
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Author: Jeff Rice - EPC Engineering Review
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15"



Subject: Text Box
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Author: CDurham
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Quantities & Unit costs should match with FAE estimate

EPC
 This cost estimate should include the full cost to install the pond (ie: labor), not just the cost of materials, which is what it currently appears to be.

Item	Quantity	Unit Price	Total
1.000	EA	\$100	
2.000	EA	\$2,100	
3.000	EA	\$23,875	

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This cost estimate should include the full cost to install the pond (ie: labor), not just the cost of materials, which is what it currently appears to be.

1	EA	\$100	
2	EA	\$2,100	
3	EA	\$23,875	

ne Analysis
 The above will be provided with the following submittal, and calculations shall be designed in accordance with El Paso County

each Drainage Basin. Water quality and detention for the site is provided detention ponds, sand filters and temporary sediment basins

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will be provided with the following submittal,

Item	Quantity	Unit Price	Total
1.000	EA	\$100	
2.000	EA	\$2,100	
3.000	EA	\$23,875	

Subject:
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The water quality and detention features ponds will be maintained by the Grandview Reserve Metropolitan District No. 2 (DISTRICT).

stream properties. verify

asin maps.

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verify

FG38	18.88	-
G18	131.26	-
CG38	832.70	-

AREA AND Q TAKEN FROM

Basin labels not matching labels on drainage map & in report

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Author: CDurham
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Basin labels not matching labels on drainage map & in report

FG38	18.88	-
G18	131.26	-
CG38	832.70	-

AREA AND Q TAKEN FROM

Missing Basin EX1 (Sanc Filing 1 FG-38), EX3 & EX4

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Author: CDurham
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Page Label: 15

Missing Basin EX1 (Sanc Filing 1 FG-38), EX3 & EX4.

28 (1)

4	OS6	832.70		
---	-----	--------	--	--

Labels need to match with labels on map

Subject: Callout
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Date: 2/21/2024 3:30:04 PM
Author: CDurham
Color: ■
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Page Label: 18

Labels need to match with labels on map

30 (1)

OS1	OS2	OS3	OS4	OS5	OS6
-----	-----	-----	-----	-----	-----

See comments on drainage map for summary tables. Tables shown here should match tables shown on maps.

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Author: CDurham
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See comments on drainage map for summary tables. Tables shown here should match tables shown on maps.

34 (3)

6	EA4
6.1	
7	OS3
8	
9	OS3

Why are there 2 OS3 basins?

Subject: Callout
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Author: CDurham
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Why are there 2 OS3 basins?

16.1	EA10	0.18	0.20
17.1	EA11	0.11	0.43

Missing Basins OS1, OS2, OS5 & OS6

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Author: CDurham
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Missing Basins OS1, OS2, OS5 & OS6

17.1	EA10	0.18	0.20
	EA11	0.11	0.43

Missing Design Points 8.1 & 13.1

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Author: CDurham
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Missing Design Points 8.1 & 13.1

35 (1)

17.1	EA10	0.18	0.20
	EA11	0.11	0.43

See comments on previous sheet

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See comments on previous sheet

APPENDIX C - HYDRAULIC CALCULATIONS

Subject: Text Box
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Author: CDurham
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Provide design calculations for all proposed swales & ditches

APPENDIX C - HYDRAULIC CALCULATIONS

Subject: Text Box
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Date: 2/22/2024 5:22:07 PM
Author: CDurham
Color: ■
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Provide design calculations for riprap outlet protection at end of all culverts

APPENDIX C - HYDRAULIC CALCULATIONS

Subject: Text Box
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Date: 2/22/2024 4:38:56 PM
Author: CDurham
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Provide design calculations for culverts and storm systems

Provide analysis of any existing culverts that remain

Subject: Text Box
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Author: CDurham
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Provide analysis of any existing culverts that remain

LATIONS

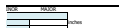
Missing DP1 calculations for existing and needed culvert size

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Author: Jeff Rice - EPC Engineering Review
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Including DP1 calculations for existing and needed culvert size

Missing inlet design

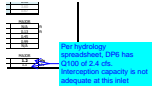
Missing inlet design



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Author: CDurham
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Missing inlet design

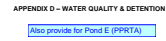
44 (1)



Subject: Callout
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Author: CDurham
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Per hydrology spreadsheet, DP6 has Q100 of 2.4 cfs. Interception capacity is not adequate at this inlet

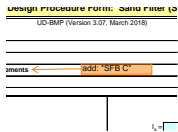
49 (1)



Subject: Text Box
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Date: 2/23/2024 9:20:23 AM
Author: Jeff Rice - EPC Engineering Review
Color: ■
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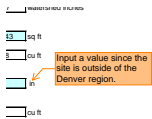
Also provide for Pond E (PPRTA)

50 (3)



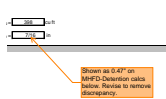
Subject: SW - Textbox with Arrow
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Author: Glenn Reese - EPC Stormwater
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add: "SFB C"



Subject: SW - Textbox with Arrow
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Date: 2/20/2024 5:21:17 PM
Author: Glenn Reese - EPC Stormwater
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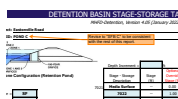
Input a value since the site is outside of the Denver region.



Subject: SW - Textbox with Arrow
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Date: 2/20/2024 5:22:34 PM
Author: Glenn Reese - EPC Stormwater
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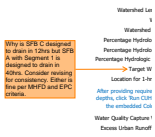
Shown as 0.47" on MHFD-Detention calcs below. Revise to remove discrepancy.

52 (2)



Subject: SW - Textbox with Arrow
Page Index: 52
Date: 2/20/2024 5:18:35 PM
Author: Glenn Reese - EPC Stormwater
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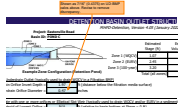
Revise to "SFB C" to be consistent with the rest of this report.



Subject: SW - Textbox with Arrow
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Date: 2/20/2024 5:19:25 PM
Author: Glenn Reese - EPC Stormwater
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Why is SFB C designed to drain in 12hrs but SFB A with Segment 1 is designed to drain in 40hrs. Consider revising for consistency. Either is fine per MHFD and EPC criteria.

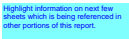
54 (1)



Subject: SW - Textbox with Arrow
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Author: Glenn Reese - EPC Stormwater
Color: ■
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Shown as 7/16" (0.4375) on UD-BMP calcs above. Revise to remove discrepancy.

59 (1)



Subject: Text Box
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Author: CDurham
Color: ■
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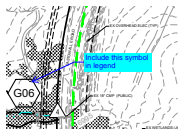
Highlight information on next few sheets which is being referenced in other portions of this report.

64 (5)



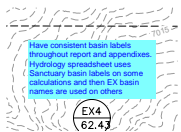
Subject: Text Box
Page Index: 64
Date: 2/21/2024 3:46:58 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_ex_Seg2-E DR 1

Add additional contour labels



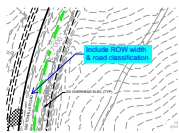
Subject: Callout
Page Index: 64
Date: 2/21/2024 3:47:19 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_ex_Seg2-E DR 1

Include this symbol in legend



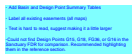
Subject: Text Box
Page Index: 64
Date: 2/21/2024 3:48:26 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_ex_Seg2-E DR 1

Have consistent basin labels throughout report and appendixes. Hydrology spreadsheet uses Sanctuary basin labels on some calculations and then EX basin names are used on others



Subject: Callout
Page Index: 64
Date: 2/21/2024 3:49:23 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_ex_Seg2-E DR 1

Include ROW width & road classification



Subject: Text Box
Page Index: 64
Date: 2/21/2024 3:51:43 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_ex_Seg2-E DR 1

- Add Basin and Design Point Summary Tables

- Label all existing easements (all maps)

- Text is hard to read, suggest making it a little larger

-Could not find Design Points G15, G18, FG36, or G16 in the Sanctuary FDR for comparison. Recommended highlighting them in the reference section.

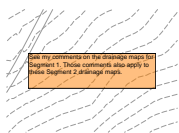
65 (1)



Subject: Text Box
Page Index: 65
Date: 2/21/2024 3:52:43 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [2] 201662.08_FDR_map_ex_Seg2-E DR 2

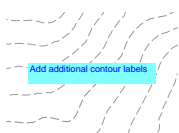
Viewport appears to be at a larger scale than the previous sheet, even though scales say they are the same. Please have viewport at same scale as previous sheet.

66 (29)



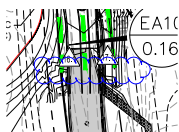
Subject: SW - Textbox
Page Index: 66
Date: 2/20/2024 2:59:13 PM
Author: Glenn Reese - EPC Stormwater
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

See my comments on the drainage maps for Segment 1. Those comments also apply to these Segment 2 drainage maps.

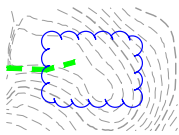


Subject: Text Box
Page Index: 66
Date: 2/21/2024 3:57:29 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

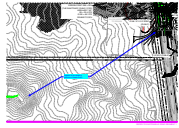
Add additional contour labels



Subject: Cloud
Page Index: 66
Date: 2/21/2024 3:58:08 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

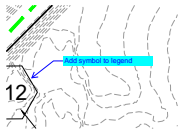


Subject: Cloud
Page Index: 66
Date: 2/21/2024 3:58:23 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1



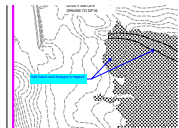
Subject: Callout
Page Index: 66
Date: 2/21/2024 3:58:41 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

Appear to be missing portions of basin lines



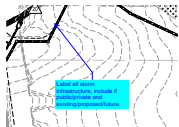
Subject: Callout
Page Index: 66
Date: 2/21/2024 4:56:18 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

Add symbol to legend



Subject: Callout
Page Index: 66
Date: 2/21/2024 4:56:46 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

Add hatch and linetype to legend



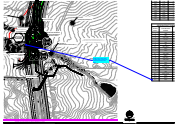
Subject: Callout
Page Index: 66
Date: 2/22/2024 11:57:59 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

Label all storm infrastructure, include if public/private and existing/proposed/future.



Subject: Callout
Page Index: 66
Date: 2/21/2024 4:58:18 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

Label road and include ROW width and classification



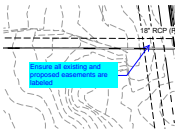
Subject: Callout
Page Index: 66
Date: 2/21/2024 5:07:47 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

Design Point name used on next sheet. Please use a different Design Point label



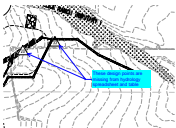
Subject: Callout
Page Index: 66
Date: 2/21/2024 5:07:42 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

Label too dark to read



Subject: Callout
Page Index: 66
Date: 2/21/2024 4:59:50 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

Ensure all existing and proposed easements are labeled



Subject: Callout
Page Index: 66
Date: 2/21/2024 5:01:01 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

These design points are missing from hydrology spreadsheet and table

Include all basins in summary table

Subject: Text Box
Page Index: 66
Date: 2/21/2024 5:01:58 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

Include all basins in summary table

0.6	1.1
0.5	1.0
#NUM!	#NUM!
6.0	30.8
0.3	2.2

Subject: Highlight
Page Index: 66
Date: 2/21/2024 5:02:12 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

#NUM! #NUM!

7
8
9
10
11
12
13
14
15

Subject: Callout
Page Index: 66
Date: 2/21/2024 5:03:52 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

Design Points are missing from hydrology spreadsheet

SQ5 (cfs)	SQ100 (cfs)
0.0	0.0
0.8	1.5
1.6	3.2

Subject: Highlight
Page Index: 66
Date: 2/21/2024 5:05:15 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

0.0 0.0

0.7	1.3
1.2	2.4
7.0	34.0
6.0	30.8
0.3	2.2

Subject: Highlight
Page Index: 66
Date: 2/21/2024 5:05:20 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

7.0 34.0

1.2	2.4
7.0	34.0
6.0	30.8
0.3	2.2
6.3	32.6

Subject: Highlight
Page Index: 66
Date: 2/21/2024 5:05:23 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

6.0 30.8

7.0	34.0
6.0	30.8
0.3	2.2
6.3	32.6
7.0	33.8

Subject: Highlight
Page Index: 66
Date: 2/21/2024 5:05:25 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

0.3 2.2

OS2

Subject: Highlight
Page Index: 66
Date: 2/21/2024 5:05:32 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

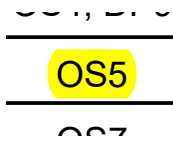
OS2

0.3	2.2
6.3	32.6
7.0	33.8
5.6	9.5
10.5	49.8

Subject: Highlight
Page Index: 66 7.0 33.8
Date: 2/21/2024 5:05:39 PM
Author: CDurham
Color:
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

7.0	33.8
5.6	9.5
10.5	49.8
23.1	110.5
3.6	24.4

Subject: Highlight
Page Index: 66 10.5 49.8
Date: 2/21/2024 5:05:44 PM
Author: CDurham
Color:
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1



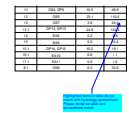
Subject: Highlight
Page Index: 66 OS5
Date: 2/21/2024 5:05:50 PM
Author: CDurham
Color:
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

5.6	9.5
10.5	49.8
23.1	110.5
3.6	24.4
24.6	122.4

Subject: Highlight
Page Index: 66 23.1 110.5
Date: 2/21/2024 5:05:52 PM
Author: CDurham
Color:
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

DP7, DP8	6.3	32.6
DP8, DP1	7.0	33.8
EA6, EA7	5.6	9.5
OS4, OS5	10.5	49.8
OS5	23.1	110.5
DP12, DP13	24.6	122.4
EA8	5.2	9.8
EA9	5.0	10.4
DP14, DP15	10.2	19.1
EA10	0.6	1.1

Subject: Highlight
Page Index: 66 OS7 3.6 24.4
Date: 2/21/2024 5:05:57 PM
Author: CDurham
Color:
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1



Subject: Callout
Page Index: 66
Date: 2/21/2024 5:06:40 PM
Author: CDurham
Color:
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

Highlighted items in table do not match with hydrology spreadsheet. Please revise so table and spreadsheet match

Include all design points as listed in hydrology spreadsheet

D
F

Subject: Text Box
Page Index: 66
Date: 2/21/2024 5:08:31 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

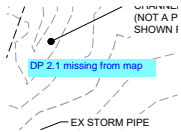
Include all design points as listed in hydrology spreadsheet



Subject: Callout
Page Index: 66
Date: 2/21/2024 5:10:56 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] 201662.08_FDR_map_Seg2-FDR Map 1

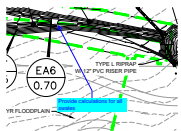
Is there a wall along here? If so, please label

67 (9)



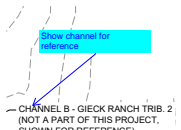
Subject: Text Box
Page Index: 67
Date: 2/21/2024 5:04:54 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [2] 201662.08_FDR_map_Seg2-FDR Map 2

DP 2.1 missing from map



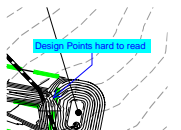
Subject: Callout
Page Index: 67
Date: 2/21/2024 5:12:38 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [2] 201662.08_FDR_map_Seg2-FDR Map 2

Provide calculations for all swales



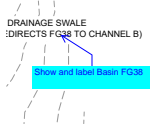
Subject: Callout
Page Index: 67
Date: 2/21/2024 5:14:08 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [2] 201662.08_FDR_map_Seg2-FDR Map 2

Show channel for reference



Subject: Callout
Page Index: 67
Date: 2/21/2024 5:14:27 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [2] 201662.08_FDR_map_Seg2-FDR Map 2

Design Points hard to read



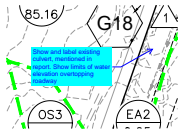
Subject: Callout
Page Index: 67
Date: 2/21/2024 5:14:53 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [2] 201662.08_FDR_map_Seg2-FDR Map 2

Show and label Basin FG38



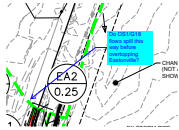
Subject: Callout
Page Index: 67
Date: 2/22/2024 8:44:40 AM
Author: Jeff Rice - EPC Engineering Review
Color: ■
Layer:
Space:
Page Label: [2] 201662.08_FDR_map_Seg2-FDR Map 2

Provide DP and show conveyance to drainageway



Subject: Callout
Page Index: 67
Date: 2/22/2024 11:47:45 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [2] 201662.08_FDR_map_Seg2-FDR Map 2

Show and label existing culvert, mentioned in report. Show limits of water elevation overtopping roadway



Subject: Callout
Page Index: 67
Date: 2/23/2024 8:16:01 AM
Author: Jeff Rice - EPC Engineering Review
Color: ■
Layer:
Space:
Page Label: [2] 201662.08_FDR_map_Seg2-FDR Map 2

Do OS1/G18 flows spill this way before overtopping Eastonville?

0.6	1.1
0.5	1.0
#NUM!	#NUM!
6.0	30.8
0.3	2.2

Subject:
Page Index: 67
Date: 2/23/2024 8:16:34 AM
Author: Jeff Rice - EPC Engineering Review
Color: ■
Layer:
Space:
Page Label: [2] 201662.08_FDR_map_Seg2-FDR Map 2

#NUM! #NUM!