




1 (2)


Subject: EPC ENG Review
Page Index: 1
Date: 6/9/2021 10:46:49 AM
Author: dsdrice
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Subject: PCD Comment Legend
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6 (1)

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8 (9)

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Author: dsdrice
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Author: dsdrice
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Flows exiting the site are a mix of DBPS and rational flow

remaining portions of

121.6


a Four Step Process is used to minimize the adverse impact. Developing a balanced, sustainable project. Below identifies

e 85 cfs for the 5-year storm and 250 cfs


[illegible]

This paragraph still needs more detail, and needs to correspond to a plan showing current conditions.


development, there are
to the channel reach
and is 172.8 acres. Fut
asin WT220 is on the
a 5-year storm and 25

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WT220, as shown in the
then Road. Basin WT210
are 60 and 188 cfs for the
and is 121.6 acres. Flow
orm. Flows from both basins
eg Hydrology) and 3.13 (

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wn in the DBPS)
WT210 is on the
cfs for the minor
res. Flows from
both basins are
id 3-12 (Future


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Runoff Reduction Process

development uses Low Impact Development (LID) practices to reduce runoff at the property, thereby creating point-of-source changes that are directly connected to impervious area runoff through property owner's landscape utilization. In general, single-family lots are great at promoting LID practices. The project site has incorporated open areas throughout the area to help disperse pervious areas. Grass buffers and wooded areas, specifically around the property's lot lines. These items help to reduce runoff.


Review this section for the "Four-Step Process"

for selecting structural BMPs (Section 17.7.2 BMP Practices), or switch R2 and R3, and review


Subject: Contractor
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Author: EPC Stormwater - Glenn Reese
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Revise this section per the "Four-Step Process" for selecting structural BMPs (ECM Section I.7.2 BMP Selection). ie: switch #2 and #3, and revise #4 to match what is in EPC criteria.

ontrol volume detention
ed into the channel. WQCV
and 2
idential, Filing No. 1 will
ll be treated prior to being
a small area less than 1 0

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and 2

volume to allow the release of runoff from the site.
On-site water quality control volume decreases
The runoff being released into the channel. WQCV
Bent.
A, west of Bent Grass Residential, Filing No. 1, will
be able to ensure flows will be treated prior to being
through the site. Only a small area, less than 1
channel.  Is the last sentence correct?
conveys runoff to the existing detention and water
Pond DBPS. The Falcon Creek also flows as
to receive flows from both MT00 and discharge
and DBPS. Flows from Bent Grass Meadow Drive are
existing roadside ditch along Meridian Road, which
at and upstream basins will release into the area
Pond DBPS is currently under construction. The
channel basins will be constructed prior to the start of

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Is the last sentence correct?

conveys runoff to the existing detention and water
Pond DBPS. The Falcon Creek also flows as
to receive flows from both MT00 and discharge
and DBPS. Flows from Bent Grass Meadow Drive are
existing roadside ditch along Meridian Road, which
at and upstream basins will release into the area
Pond DBPS is currently under construction. The
channel basins will be constructed prior to the start of

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Meridian Road

side ditch along Meridian Road was included with results
in a new permit for the existing ditch. As a result
parameters are anticipated to be stable in the future per
the water quality pond SR-4 that is to receive flow
to, ultimately routing to existing Pond MN. Flows from
MT000 but are being routed to the existing roadside
Pond. Flows from the "School Site" and downstream

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as proposed in the DBPS

ch lot onto the
; to **DP 15**. Flow
rth WQCV po

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DP 15

om each lot c
; to **DP 12**. Flow
rth WQCV po

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DP 12



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still not per plan


e intersectic
at DP 8. Fl

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DP 8

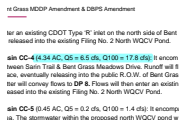
noff will flow from each lot onto the p
will convey flows to the intersection c
sly to the existing inlet at DP 8. Flow:


DP13?

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DP13?


12 (15)



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(4.34 AC, Q5 = 6.5 cfs, Q100 = 17.8 cfs):

existing CDOT Type 'R' inlet on t
d into the existing Filing No. 2 N
3.65
-4 (4.34 AC, Q5 = 6.5 cfs, Q100
Sarin Trail & Bent Grass Meadow
eventually releasing into the public
convey flows to DP 8. Flow will

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3.65

encompasses single-family r
each lot onto the proposed pi
DP 21. Flows will then enter ;
outfall in the proposed south
22?
basin D-2 (7.42 AC, Q5 = 15
family residential lots, Isabel

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22?

el Place, Raylan Loop, Jolie Cou
lot onto the proposed public R.O.
DP 14. Flows will then enter a pr
tfall in the proposed south WQC
21?
0.8 cfs, Q100 = 2.3 cfs); a basin
mpasses the backs of several pr
roperty line and Swale E (existing

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21?

ach lot onto the
s to DP 14. Flo
/ outfall in the

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DP 14.

each lot o
DP 21. Flo
outfall in t

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DP 21

proposed mountable curb at
DOT Type 'R' inlet where it w
DP 31
45?
re southwest corner of the s
idential lots as well as prop
south property line. Duff

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45?

d CDOT Type
l at DP 31.

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DP 31.

system w
DP 31.

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DP 31

ot onto the pro
s to DP 17. Flo
ly outfall in th

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DP 17

awena Way, & portions of Linley
into the proposed public R.O.W.
DP 17. Flows will then enter a
outfall in the proposed south W
42?
dfs): a basin that is located at t
cludes residential lots, as well
Flows will be directed towards th

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42?

roposed
d CDOT Type 'F
nd at DP 31.

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
t DP 31.

the public R.O.
to DP 18. Flo
ely outfall in th

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DP 18.

ch): a basin that is located at the southwest
cludes residential lots, as well as a portion of
Flows will be directed towards the public R.O.)
the south along Henzlee Place to DP 18. Flow
will then be piped and ultimately outfall in the
43?
2 ch): a basin that is south of Basin D-5 & ea
& half of Linley Way, Jayla Trail, Henzlee Pl
posed public R.O.W. where proposed moun







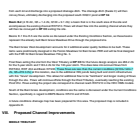

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43?

CDOT Type 'R
l at DP 31.


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DP 31.

<p>to DP 18. Fl</p> <p>outfall in the</p>	<p>Subject:</p> <p>Page Index: 13</p> <p>Date: 5/21/2021 11:50:12 AM</p> <p>Author: dsdrice</p> <p>Color: </p> <p>Layer:</p> <p>Space:</p> <p>Page Label: 13</p>	<p>DP 18</p>
<p>d CDOT Type</p> <p>l at DP 31.</p>	<p>Subject:</p> <p>Page Index: 13</p> <p>Date: 5/21/2021 11:50:15 AM</p> <p>Author: dsdrice</p> <p>Color: </p> <p>Layer:</p> <p>Space:</p> <p>Page Label: 13</p>	<p>DP 31</p>
<p>d ditch (Swale</p> <p>l at DP 32.</p>	<p>Subject:</p> <p>Page Index: 13</p> <p>Date: 5/21/2021 11:51:20 AM</p> <p>Author: dsdrice</p> <p>Color: </p> <p>Layer:</p> <p>Space:</p> <p>Page Label: 13</p>	<p>DP 32.</p>
<p>alcon Meadc</p> <p>ng No. 3.</p>	<p>Subject:</p> <p>Page Index: 13</p> <p>Date: 5/21/2021 11:52:50 AM</p> <p>Author: dsdrice</p> <p>Color: </p> <p>Layer:</p> <p>Space:</p> <p>Page Label: 13</p>	<p>No. 3</p>
<p>adows Drive through the proposed site.</p> <p>ints for 2 additional water quality facilities to t</p> <p>alcon Meadows for Bent Grass PDR and will</p> <p>ing No.  1 and 3?</p> <p>Tributary at DP CC for the future design anal</p> <p>a 100-year storm. This does take into accoun</p> <p>ese flows are less than the current condition</p> <p>the additional WQ ponds being built and stor</p> <p>r for additional flow to the "half bank" outfall</p>	<p>Subject: Callout</p> <p>Page Index: 13</p> <p>Date: 5/21/2021 11:53:17 AM</p> <p>Author: dsdrice</p> <p>Color: </p> <p>Layer:</p> <p>Space:</p> <p>Page Label: 13</p>	<p>1 and 3?</p>
	<p>Subject:</p> <p>Page Index: 13</p> <p>Date: 5/21/2021 11:54:32 AM</p> <p>Author: dsdrice</p> <p>Color: </p> <p>Layer:</p> <p>Space:</p> <p>Page Label: 13</p>	<p>. These flows are less than the current conditions (Q100=1224.7 cfs, Q5=278.3 cfs)</p>


ake into account flows from
current conditions (Q100=1224.7
ng built and storm infrastructure
d back" and longer routing of flows
, eventually reaching the existing
!WT210 in the HEC HMS models.
1169?

assed under the Current Conditions

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1169?

302, RWT 204 and Basin WT200.
5=278.3 cfs) at this location, due
his "future" development. This alk
gh the site. Flows will continue of
WU. Flows exiting the project site
261?
of the Bent Grass development,
in, specifically in regard to DBPS

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261?

100. Proposed Channel Improvements
Without Impairment
Through the existing channel and culverts are enhanced and improved and will support
1040 per previous model -
Bent Grass development -
DBPS only has 950 at
Woodmen Road

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compare to existing (pre-Bent Grass Res. 2)

1040 per previous model -
Bent Grass development -
DBPS only has 950 at
Woodmen Road

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1040 per previous model - how did this increase?
DBPS only has 950 at Woodmen Road

1040 per previous model -
Bent Grass development -
DBPS only has 950 at
Woodmen Road

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still does not make sense

1040 per previous model -
Bent Grass development -
DBPS only has 950 at
Woodmen Road

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Describe how flows to the channel have increased
- some area from Mid. Trib. diverted, water-quality
facilities without 100-year detention...

14 (1)



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Author: dsdrice
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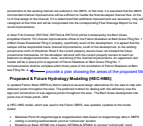
state what the combined rerouted flows are to DP AA (Q5=270, Q100=1,180, FEMA Q100=1,400).

15 (2)



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mention the proposed type and approximate number of grade control structures



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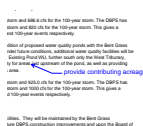
provide a plan showing the areas of the proposed filings

16 (4)

nal water c
uth only tr
e nond a

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on



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provide contributing acreage

if any other new c
y 24, is regional c
for the same Fall
lease rates 15.0 f

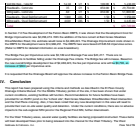
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the same

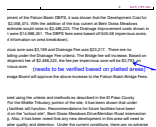
nance

the west side of?

17 (3)



e \$3,793, an increase of \$604



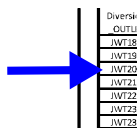
(needs to be verified based on platted areas)

see comment letter

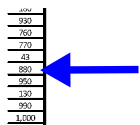
as \$23,217. There are no
Bridge fee will increase. Based on
pervious acre will be \$3,793, an

see comment letter

27 (2)



Subject: ALLOW
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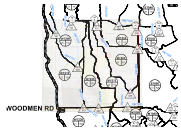
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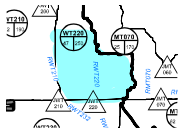
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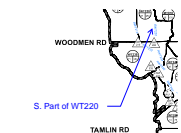
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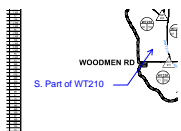



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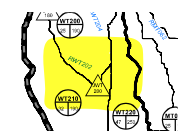
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S. Part of WT220

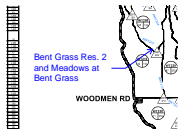



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S. Part of WT210

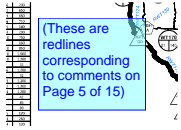



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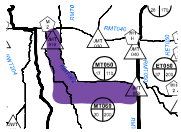
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Bent Grass Res. 2 and Meadows at Bent Grass

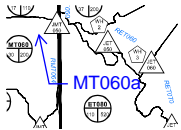



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(These are redlines corresponding to comments on Page 5 of 15)

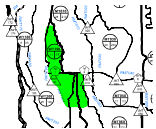


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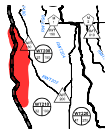



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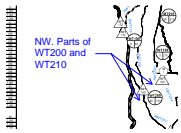
MT060a



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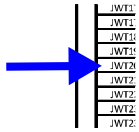


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Space:
Page Label: 28

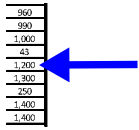


Subject: Callout
Page Index: 28
Date: 6/9/2021 9:53:00 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 28

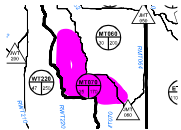
NW. Parts of WT200 and WT210



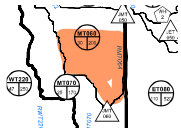
Subject: Arrow
Page Index: 28
Date: 5/21/2021 12:10:09 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 28



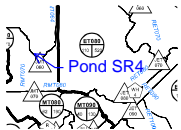
Subject: Arrow
Page Index: 28
Date: 5/21/2021 12:10:19 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 28



Subject: Highlight
Page Index: 28
Date: 6/4/2021 5:24:12 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 28

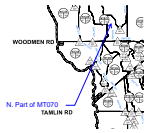



Subject:
Page Index: 28
Date: 6/4/2021 5:24:45 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 28



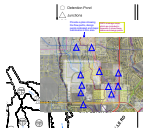
Subject: Callout
Page Index: 28
Date: 6/4/2021 5:25:44 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 28


Pond SR4

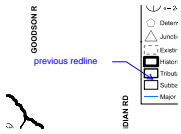



Subject: Callout
Page Index: 28
Date: 6/4/2021 5:27:01 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 28

N. Part of MT070



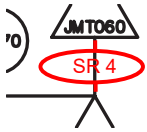
Subject: Snapshot
Page Index: 28
Date: 6/9/2021 9:44:44 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 28




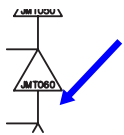
Subject: Callout
Page Index: 28
Date: 6/9/2021 9:44:59 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 28


previous redline

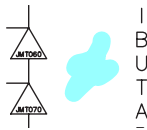
107 (9)




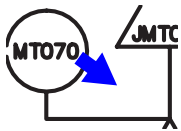
Subject: Snapshot
Page Index: 107
Date: 6/4/2021 5:29:14 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 107




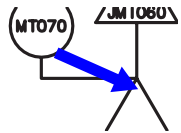
Subject: Arrow
Page Index: 107
Date: 6/4/2021 5:30:19 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 107




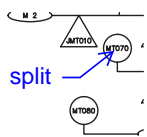
Subject:
Page Index: 107
Date: 6/4/2021 5:29:49 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 107




Subject: Arrow
Page Index: 107
Date: 6/4/2021 5:30:19 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 107

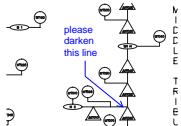



Subject: Arrow
Page Index: 107
Date: 6/4/2021 5:30:34 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 107



Subject: Callout
Page Index: 107
Date: 6/4/2021 5:31:09 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 107


split



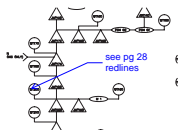
Subject: Callout
Page Index: 107
Date: 6/4/2021 5:31:50 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 107


please darken this line



Subject: Delete
Page Index: 107
Date: 6/4/2021 5:32:03 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 107

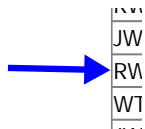
Delete



Subject: Callout
Page Index: 107
Date: 6/9/2021 9:51:21 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 107

see pg 28 redlines

110 (2)



Subject: Arrow
Page Index: 110
Date: 6/4/2021 5:34:31 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 110

Subject: Text Box
Page Index: 110
Date: 6/8/2021 10:26:11 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 110

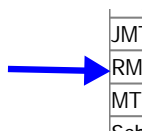
Does the model include Bent Grass Residential 2?
Values don't match table on the plan.

111 (1)

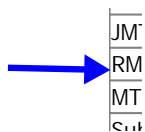
Subject: Callout
Page Index: 111
Date: 6/8/2021 10:21:45 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 111

997 per previous model? Model with old outlet structure

112 (4)



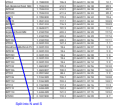
Subject: Arrow
Page Index: 112
Date: 6/4/2021 5:37:43 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 112




Subject: Arrow
Page Index: 112
Date: 6/4/2021 5:37:31 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 112

Subject:
Page Index: 112
Date: 6/4/2021 5:39:35 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 112

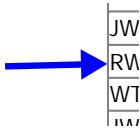
MT070




Subject: Callout
Page Index: 112
Date: 6/4/2021 5:40:03 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 112

Split into N and S

120 (1)



Subject: Arrow
Page Index: 120
Date: 6/8/2021 8:42:26 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 120


165 (1)



Subject: Highlight
Page Index: 165
Date: 6/7/2021 1:43:17 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 165

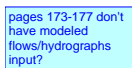
172 (1)




Subject: Callout
Page Index: 172
Date: 6/7/2021 1:46:58 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 172

Flowrates are missing?

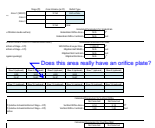
173 (1)




Subject: Text Box
Page Index: 173
Date: 6/7/2021 4:21:49 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 173

pages 173-177 don't have modeled flows/hydrographs input?


175 (1)



Subject: Callout
Page Index: 175
Date: 6/7/2021 4:32:19 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 175


Does this area really have an orifice plate?


178 (1)

Subject: Text Box
Page Index: 178
Date: 6/7/2021 4:33:02 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 178

Pond WU inflow structure?


181 (2)


Subject: Arrow
Page Index: 181
Date: 6/7/2021 4:33:53 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 181


Subject: Text Box
Page Index: 181
Date: 6/7/2021 4:56:10 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 181

No difference between this and "current" values?

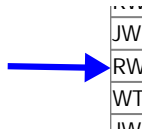
182 (1)

Subject: Arrow
Page Index: 182
Date: 6/7/2021 4:57:10 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 182

Subject: Arrow
Page Index: 183
Date: 6/7/2021 4:48:10 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 183

Subject: Arrow
Page Index: 183
Date: 6/7/2021 4:48:10 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 183

191 (1)



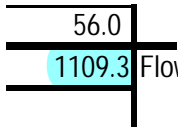
Subject: Arrow
Page Index: 191
Date: 6/8/2021 8:43:58 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 191

224 (2)



Subject: Callout
Page Index: 224
Date: 6/8/2021 10:10:45 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 224

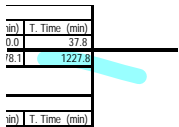
Plan doesn't match this and this is higher than the model. The model flows need to be labeled.



Subject:
Page Index: 224
Date: 6/8/2021 10:10:09 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 224

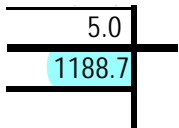
1109.3

262 (1)



Subject:
Page Index: 262
Date: 6/8/2021 10:32:06 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 262

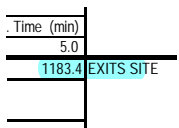
263 (1)



Subject:
Page Index: 263
Date: 6/8/2021 10:34:35 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 263

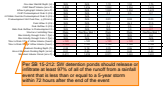
1188.7

265 (1)



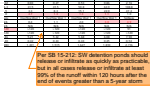
Subject:
Page Index: 265
Date: 6/8/2021 10:35:26 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 265

1183.4 EXITS SI



Subject: Contractor
Page Index: 274
Date: 6/7/2021 3:51:55 PM
Author: EPC Stormwater - Glenn Reese
Color: ■
Layer:
Space:
Page Label: 274

Per SB 15-212: SW detention ponds should release or infiltrate at least 97% of all of the runoff from a rainfall event that is less than or equal to a 5-year storm within 72 hours after the end of the event



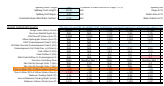
Subject: Contractor
Page Index: 274
Date: 6/7/2021 3:51:55 PM
Author: EPC Stormwater - Glenn Reese
Color: ■
Layer:
Space:
Page Label: 274

Per SB 15-212: SW detention ponds should release or infiltrate as quickly as practicable, but in all cases release or infiltrate at least 99% of the runoff within 120 hours after the end of events greater than a 5-year storm

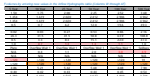


Subject: Contractor
Page Index: 274
Date: 6/8/2021 4:13:48 PM
Author: EPC Stormwater - Glenn Reese
Color: ■
Layer:
Space:
Page Label: 274

Just as a side note, if this pond is being maintained by an HOA, they might want to look into adjusting the outlet structure, since they are detaining water longer than is acceptable by the state, per SB 15-212.



Subject: SW - Rectangle
Page Index: 274
Date: 6/7/2021 3:54:24 PM
Author: EPC Stormwater - Glenn Reese
Color: ■
Layer:
Space:
Page Label: 274



Subject: SW - Rectangle
Page Index: 274
Date: 6/7/2021 3:54:24 PM
Author: EPC Stormwater - Glenn Reese
Color: ■
Layer:
Space:
Page Label: 274



Subject: Contractor
Page Index: 274
Date: 6/8/2021 4:13:56 PM
Author: EPC Stormwater - Glenn Reese
Color: ■
Layer:
Space:
Page Label: 274

Please make a note that this pond's calcs for existing conditions is for "information only" since there are not any proposed improvements to it.

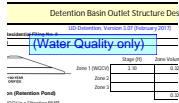
277 (1)



Subject: Text Box
Page Index: 277
Date: 6/8/2021 10:44:55 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 277

(Water Quality only)

279 (1)



Subject: Text Box
Page Index: 279
Date: 6/7/2021 4:31:16 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 279

(Water Quality only)

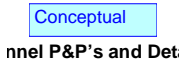
282 (1)



Subject: Text Box
Page Index: 282
Date: 6/8/2021 10:45:06 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 282

(Water Quality only)

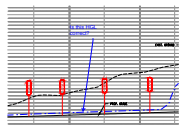
390 (1)



Subject: Text Box
Page Index: 390
Date: 6/9/2021 9:27:26 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 390

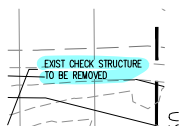
Conceptual

391 (4)

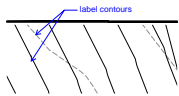


Subject: Callout
Page Index: 391
Date: 6/9/2021 9:27:06 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 391

Is this HGL correct?

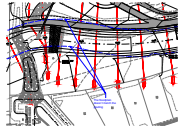


Subject:
Page Index: 391
Date: 6/9/2021 9:27:58 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 391



Subject: Callout
Page Index: 391
Date: 6/9/2021 9:30:11 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 391

label contours



Subject: Callout
Page Index: 391
Date: 6/9/2021 9:35:58 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 391

The floodplain doesn't match the grading

394 (1)



Subject: Text Box
Page Index: 394
Date: 6/9/2021 9:40:25 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 394

Replace the DBPS Conceptual Plan Sheets that were in the previous version.

401 (6)

18.2	93.7
9.1	63.4
246.5	1103.3
260.7	1168.7

Subject:
Page Index: 401
Date: 6/8/2021 9:59:40 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 401

38.9	160.0	179.9	200.4	211.2
------	-------	-------	-------	-------

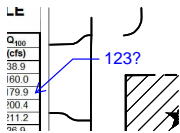
880 or 1040 cfs pre-Bent Grass development?

Subject: Callout
Page Index: 401
Date: 6/9/2021 9:57:41 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 401

880 or 1040 cfs pre-Bent Grass development?

38.9	160.0	179.9	200.4	211.2
------	-------	-------	-------	-------

Subject:
Page Index: 401
Date: 6/8/2021 10:02:04 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 401



Subject: Callout
Page Index: 401
Date: 6/8/2021 10:02:19 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 401

123?

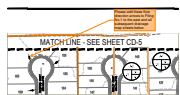
179.9
200.4
211.2
26.9

Subject:
Page Index: 401
Date: 6/8/2021 10:02:35 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 401

179.9
200.4
211.2
26.9
8.2

Subject:
Page Index: 401
Date: 6/8/2021 10:03:08 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 401

403 (9)



Subject: Contractor
Page Index: 403
Date: 6/7/2021 3:54:38 PM
Author: EPC Stormwater - Glenn Reese
Color: ■
Layer:
Space:
Page Label: 403

Please add these flow direction arrows to Filing No.1 to the east and all subsequent drainage map sheets below.

DESIGN POINT SUMMARY TABLE

Design Point	Q ₁₀₀ (cfs)	Q ₁₀₀ (cfs)
20	277.8	1226.8
2	2.1	11.8


Subject: Callout
Page Index: 403
Date: 6/8/2021 10:24:40 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 403

use model value (1040?)

Q ₁₀₀
(cfs)
1226.8
8.6
11.0

Subject:
Page Index: 403
Date: 6/8/2021 10:24:13 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 403


	43.7
	1.0
	1224.7
	63.4
	60.9

Subject:
Page Index: 403
Date: 6/8/2021 10:26:37 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 403


[illegible]

Subject: Callout
Page Index: 403
Date: 6/8/2021 10:26:57 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 403


3	7.1	17.9
4	8.1	23.8
5	18.3	54.1
iA	12.2	37.0
A	268.8	1181.4
B	268.3	1176.5
6	12.7	30.2
7	8.1	20.5
8	10.6	32.2

Subject:
Page Index: 403
Date: 6/8/2021 10:27:05 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 403


	0.1	23.0
5	18.3	54.1
A	12.2	37.0
A	268.8	1181.4
3	268.3	1176.5
5	12.7	30.2
7	8.1	20.5
3	10.6	32.2
9	9.5	29.7

Subject:
Page Index: 403
Date: 6/8/2021 10:27:07 AM
Author: ddsdrice
Color: 
Layer:
Space:
Page Label: 403

	6.3	
	0.2	
	278.8	
	2.7	
	5.1	

Subject:
Page Index: 403
Date: 6/8/2021 10:27:09 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 403

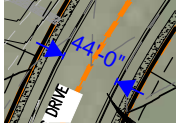
	Q_5	
	(cfs)	
	277.8	
	3.1	
	4.3	

Subject:
Page Index: 403
Date: 6/8/2021 10:27:13 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 403



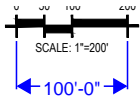
Subject: Callout
Page Index: 407
Date: 5/21/2021 11:26:16 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 407

Provide DPs for the inlets



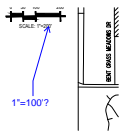
Subject: Length Measurement
Page Index: 407
Date: 5/21/2021 11:34:48 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 407

44'-0"



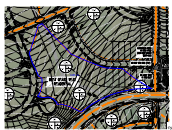
Subject: Length Measurement
Page Index: 407
Date: 5/21/2021 11:36:46 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 407

100'-0"



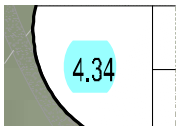
Subject: Callout
Page Index: 407
Date: 5/21/2021 11:35:37 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 407

1"=100'?



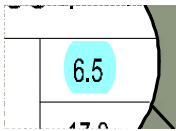
Subject: Area Measurement
Page Index: 407
Date: 5/21/2021 11:38:45 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 407

3.65 ac

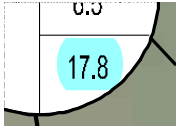


Subject:
Page Index: 407
Date: 5/21/2021 11:40:25 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 407

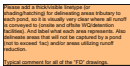
4.3



Subject:
Page Index: 407 6.5
Date: 5/21/2021 11:40:31 AM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 407



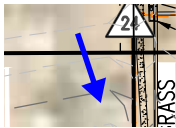
Subject:
Page Index: 407 17.8
Date: 5/21/2021 11:40:34 AM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 407



Subject: Contractor
Page Index: 407
Date: 6/7/2021 3:56:11 PM
Author: EPC Stormwater - Glenn Reese
Color:
Layer:
Space:
Page Label: 407

Please add a thick/visible linetype (or shading/hatching) for delineating areas tributary to each pond, so it is visually very clear where all runoff is conveyed to (onsite and offsite WQ/detention facilities). And label what each area represents. Also delineate areas that will not be captured by a pond (not to exceed 1ac) and/or areas utilizing runoff reduction.

Typical comment for all of the "FD" drawings.



Subject: Arrow
Page Index: 407
Date: 6/9/2021 10:33:58 AM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 407



Subject: Cloud+
Page Index: 407 Correct the values
Date: 6/9/2021 10:35:32 AM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 407

408 (9)



Subject: Callout
Page Index: 408 Label RWT210
Date: 6/8/2021 8:45:46 AM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 408

3	10.0	21.5
4	1.2	4.5
5	53.8	173.9
A	1.1	45.8
5	288.2	1183.4
7	2.1	63.5
1	5.8	67.4
2	6.5	64.8
A	4.9	34.5

Subject:
Page Index: 408
Date: 6/8/2021 8:45:15 AM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 408

BRIDGE BENT PIERS FOR CHALLENGE	
FALCON CO.	
doesn't match HMS sheet (1113)	
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Subject: Callout
Page Index: 408
Date: 6/8/2021 10:41:06 AM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 408

doesn't match HMS sheet (1113)

ign	Q ₁	Q ₁₀₀
int	(cfs)	(cfs)
0	278.1	1227.8
1	3.1	8.6
2	4.3	11.9
3	5.9	15.9
4	8.3	22.3

Subject:
Page Index: 408
Date: 6/8/2021 10:32:26 AM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 408

BRIDGE BENT PIERS FOR CHALLENGE	
FALCON CO.	
doesn't match HMS sheet (1113)	
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Subject: Callout
Page Index: 408
Date: 6/8/2021 10:33:17 AM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 408

use model values for SCS calculations


0	7.8
8	12.4
6	915.3
5	6.1
9	7.0

Subject:
Page Index: 408
Date: 6/8/2021 10:33:46 AM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 408


3	40.9
0	850.0
5	909.3
0	7.8
8	12.4
5	915.3

Subject:
Page Index: 408
Date: 6/8/2021 10:33:47 AM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 408

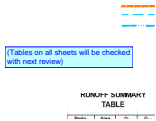
	37.0	
3	1188.7	
5	1186.4	
6	39.4	
7	22.8	


Subject:
Page Index: 408
Date: 6/8/2021 10:33:52 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 408

10	19.3	43.5
3A	6.0	21.9
15	37.5	90.8
5A	12.2	37.0
4A	270.3	1188.7
1B	209.5	1186.4
16	16.6	39.4
17	10.6	26.8
18	13.5	39.2

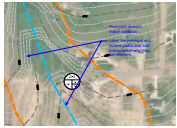
Subject:
Page Index: 408
Date: 6/8/2021 10:33:57 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 408


411 (3)



Subject: Text Box
Page Index: 411
Date: 6/9/2021 10:30:35 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 411

(Tables on all sheets will be checked with next review)




Subject: Callout
Page Index: 411
Date: 6/9/2021 10:32:22 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 411

Flow path doesn't match contours

Label the previous and current paths and add a description why they are different



Subject:
Page Index: 411
Date: 6/9/2021 10:31:31 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 411