ENG-SF21026-R3-FDR.pdf Markup Summary

5 (7)

The second secon

Subject: Text Box Page Index: 5

Date: 12/27/2021 11:43:22 AM

Author: CDurham

Color: Layer: Space:

Page Label: 5

Existing condition calculations need to be updated based on current criteria. See redlines in appendix.

storm recurrenc
vs/03 and MHFI
string (see app
description of er

Newer version of
spreadsheet
Onsite A-group
are conduced by

Subject: Callout Page Index: 5

Date: 12/27/2021 11:43:40 AM

Author: CDurham

Color: Layer: Space:

Page Label: 5

Newer version of spreadsheet

floral Method was used to determine runoff quanrecurence intervis. Mile High Flood District design and MHFD-Integl and Rowmanter were also used to lide see appends 187 eaclughting). See below for a sition of each design point. Subject: Callout Page Index: 5

Date: 12/27/2021 11:44:19 AM

Author: CDurham

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Space:
Page Label: 5

Inlet design spreadsheet was not included in appendix for any of the inlets. Please add.

Rational Method Runoff Summary

is and offsite Basins D-13, D-14, D-15, CT and full spectrum detention facility at the north e

* (DP7) (G.=20.0 cfs and G.::e41.6 cfs) repres nd D-14 of Pronghorn Meadows Subdivisit e of this project development. These flows is Report for Windermere," by Classic C 2014. An existing 25" type R curb intel title st across Antelope Ridge Dr. This inlet and p Subject: Highlight Page Index: 5

Date: 12/27/2021 11:44:34 AM

Author: CDurham

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Space:
Page Label: 5

(Q5=20.0 cfs and Q100=41.6 cfs

f Summary

I, D-15, CT and WS represent flows that rat the north-page of the size of the contract of the north-page of the size of the si

Subject: Callout Page Index: 5

Date: 12/27/2021 11:44:58 AM

Author: CDurham

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Page Label: 5

gineers & lows and

and will connect to the existing inlet at DP A. Subject: Text Box Page Index: 5

Date: 12/27/2021 11:46:18 AM

Author: CDurham

Color: Layer: Space:

Page Label: 5

Flows don't match table on next page.

and will connect to the existing inlet at DP A.

Subject: Page Index: 5

Date: 12/29/2021 9:34:32 AM

Author: dsdrice
Color: Layer:
Space:
Page Label: 5

6 (2)

Subject: Cloud+ Page Index: 6

Date: 12/15/2021 8:32:57 AM

Author: CDurham

Color: Layer: Space: Page Label: 6

C5 0.11 0.1 0.5

Subject: Text Box Page Index: 6

Date: 12/27/2021 11:47:10 AM

Author: CDurham

Color: Layer:
Space:
Page Label: 6

Tables not verified with this review.

Provide detained flows

Basin A1

7 (10)

mere Subalvision, resulting | / Basin A and Basin D15 w I the piped flows from existil irtheast via 36" RCP storm w for flows to be directed

oposed 10' Type R at-grade

Subject: Callout Page Index: 7

Date: 12/27/2021 11:47:44 AM

Author: CDurham

Color: Layer: Space:

Page Label: 7

sted at a low point on Antelope Ridge ymbined flows from Basins D-15, offsite ésting inlet is proposed to be replaced be installed on Antelope Ridge Dr. for in the need to adjust the existing inlet, ill be captured in their entirety by the ng DP7 (DPA Q=21). of s and Que44.9 sewer. An emergency overflow swale

e inlet in Basin A2. The flows leave this C. This design point captures all the Subject: Highlight Page Index: 7

Date: 12/27/2021 11:47:56 AM

Author: CDurham

Color: Layer: Space:

Page Label: 7

Subject: Callout Page Index: 7

Date: 12/27/2021 11:48:16 AM

Author: CDurham

Color: Layer: Space:

Page Label: 7

uning engineers a on Antelope Ridge i Basins D-15, offsite sed to b Flows different fre letope Ri previous page their entirety by the spes and Quart44,9 may average their previous page. Flows different from previous page

(DPA Q5=21.0 cfs and Q100=44.9

resulting in the need to adjust the ex in D15 will be captured in their entire om existing DP7 (DPA Q_S=21.0 cfs and CP storm sewer. An emergency over directed to the path and earl in the

in Antelope Ridge Drive
at-grade inlet in Basin A2. The flow:
ards DP-C. This design point capts
are Q₅=8.8 cfs and Q₁₀₀=19.4 cfs.

Subject: Callout Page Index: 7

Date: 12/27/2021 11:48:42 AM

Author: CDurham

Color: Layer: Space: Page Label: 7

in Antelope Ridge Drive

Plan says inlet is to be modified. Please discuss

Design Point A replaces
"Preliminary Drainage Re
Surveyors, October 2014. T
Dr. at an existing 10" sump.
DP-7 (described above) a
in kind (10" Type R sump is
access into the Winderme
The flows generated by B

Subject: Callout Page Index: 7

Date: 12/27/2021 11:49:14 AM

Author: CDurham

Color: Layer: Space: Page Label: 7

Plan says inlet is to be modified. Please discuss

I combine with the piped flows from existing DFT (DFA Q=0.0.c) in flow to the northmat Via 3°E (EPC thatm sews. An emergency of floot D will allow for flows to be directed to the north and earl it stage.

Catled at a proposed 10°Type R at-grade lifet in Basin A2. The 1 a 26' storm pipe to the south towards DF-C. This design paint of

conted of a proposed 10° type 8 roll grade lette In Earl AC. The forest is 0.0° team page is the early theorem 20° this design prior contrate should be a should Subject: Callout Page Index: 7

Date: 12/27/2021 11:50:16 AM

Author: CDurham

Color: Layer: Space: Page Label: 7

From inlet capacity spreadsheet in appendix, double type R inlet can handle 19.4 cfs.

he south towards DP-C. This design po from Basin A2 are Q_3 =8.8 cfs and Q_{100} =1

ed 10° Type R at-grade inlet in Basin A3 the northwest towards a proposed Type A3 are Q₃=5.2 cfs and Q₁₀₀=11.2 cfs.

posed Type 2 storm manhole along Bo he flows from DPA-DPC, and discharges vs at DP-C1 are Qs=29.5 cfs and Qs∞=63.5 Subject: Highlight Page Index: 7

Date: 12/27/2021 11:50:26 AM

Author: CDurham

Color: Layer: Space: Page Label: 7

Q5=5.2 cfs and Q100=11.2 cfs

D15 will be captured in their entirety by the existing DP7 (DPA Qu*21.0 ch and Q u*44.9 storm sever. An emergency overflow swale acted to the north and east in the event of

tone Queblich and Chevil 4 cts.

stignate hiele in laid. At. The flows towards oprepared type 3 thom the member of the property of the propert

Subject: Callout Page Index: 7

Date: 12/27/2021 1:18:51 PM

Author: CDurham

Color: Layer: Space: Page Label: 7

For all at-grade inlets, discuss how much of flow is intercepted and how much is flow-by.

Type R at grade intel in Basin A4. The flows leave conveyed to the northeast forwards a proposed Ty lasin A4 are Qs=1.7 cft and Qss=3.8 cft. Type 2 storm manhole along Borrowdale Lane. From DPA-DPD, and dischalges to the northeas P-D1 are Qs=30 Acts and Qss=8.4 cft. "Why is this intel so large?"

Why is linet to large?

Why is his inlet so large?

yinde 15 Type R nilet in Basin A5. The flows leave
the conveyed towards DFF1 to the south. This de
lasin A5. The flows from Basin A5 are Q₁=4.3 cfs.

grade 15' Type R inlet in Basin A6. The flows leave

Subject: Callout
Page Index: 7

Date: 12/27/2021 1:19:30 PM

Author: CDurham

Color: Layer: Space: Page Label: 7

Why is this inlet so large?

Subject: Text Box Page Index: 7

Date: 12/27/2021 1:20:35 PM

Author: CDurham

Color: Layer: Space: Page Label: 7 This inlet was missing on the inlet capacity chart in appendix.

8 (2)

Subject: Text Box Page Index: 8

Date: 12/27/2021 1:20:44 PM

Author: CDurham

Color: Layer: Space: Page Label: 8 This inlet was missing on the inlet capacity chart in appendix.

roposed sump 10' Type R inlet at the low point on W leave this inlet via 30" storm pipe and are con-

Subject: Text Box Page Index: 8

Date: 12/27/2021 1:21:52 PM

Author: CDurham

Color: Layer: Space: Page Label: 8 This inlet is shown on at-grade not sump inlet chart. Please update.

9 (6)

its 70-73. Rows generated by this basin y a 2'x6" concrete swale along the lot

Subject: Callout Page Index: 9

Date: 12/27/2021 1:22:36 PM

Author: CDurham

Color: Layer: Space: Page Label: 9 Include what flow is for each of these basins.

Subject: Text Box Page Index: 9

Date: 12/27/2021 1:23:16 PM

Author: CDurham

Color: Layer: Space: Page Label: 9 These inlets were not shown on inlet charts in appendix.

to lower as the proposed determine recently set on Basins B1 and B2. The flows Subject: Highlight Page Index: 9

Date: 12/27/2021 1:23:28 PM

Author: CDurham

Color: Layer: Space:

Page Label: 9

Q5=12.0 cfs and Q100=26.5 cfs

Subject: Callout Flows don't match plan Page Index: 9 Date: 12/27/2021 1:23:45 PM Author: CDurham Color: Layer: Space: Page Label: 9 Subject: Highlight B4 Page Index: 9 Date: 12/27/2021 1:23:58 PM Author: CDurham ws are Color: Layer: Space: Page Label: 9 Subject: Text Box **B5?** Page Index: 9 **B5**? Date: 12/27/2021 1:24:17 PM Author: CDurham in R1 Color: Layer: Space: Page Label: 9 10 (3) Subject: 4" CMP culvert crossing at Mins C1 & C2, detained flows releastfishe flows from MDDP DP-1X. The 2.4 cfs, a portion of which were the MDDP flows can be four by Classic Consulting Engineers s, a portion of which Page Index: 10 Date: 12/29/2021 10:05:49 AM Author: dsdrice Color: Layer: Space: Page Label: 10 Subject: Callout If used, SCS needs to be the whole basin Page Index: 10 Date: 12/29/2021 10:06:16 AM Author: dsdrice Color: Layer: Space: Page Label: 10 Subject: Callout Compare to the MDDP flows here. Page Index: 10 Date: 12/29/2021 10:07:45 AM Author: dsdrice Color: Layer:

> Space: Page Label: 10

Subject: Callout Page Index: 11

Date: 12/27/2021 1:25:24 PM

Author: CDurham

Color: Layer: Space: Page Label: 11 Need analysis check of this existing inlet with current flows.

in N. Carefree Cir., ne flows from Basins fsite Basin EXR, and

intersection with N. rm pipe to the east, le at existing design

Subject: Callout Page Index: 11 Date: 12/27/2021 1:25:46 PM sin NC2, these flow

Author: CDurham

Color: Layer: Space:

Page Label: 11

List basin flows

p by the existing to the oad. The flows then leave nverging with the flows fro

)P-J1 via an existing 24" st g DP-20 in offsite Basin NC

Subject: Callout Page Index: 11

Date: 12/27/2021 1:26:03 PM

Author: CDurham

Color: Layer: Space:

Page Label: 11

List flows

Subject: Text Box Page Index: 11

Date: 12/27/2021 1:27:30 PM

Author: CDurham

Color: Layer: Space: Page Label: 11 Include discussion on proposed storm sewer design & impact to existing systems (current design flow vs previous design flow)

Subject: Text Box Page Index: 11

Date: 12/27/2021 1:28:30 PM

Author: CDurham Color:

Layer: Space:

Page Label: 11

Include statement that ponds will be designed to full spctrum detention criteria

Subject: Callout Page Index: 11

Date: 12/27/2021 1:29:19 PM

Author: CDurham

Color: Layer: Space: Page Label: 11 Each forebay should be designed per area

directed to it.

12 (3)

Subject: Text Box Page Index: 12

Date: 12/27/2021 1:41:03 PM

Author: CDurham

Color: Layer: Space:

Page Label: 12

Subject: Callout Page Index: 12

Date: 12/27/2021 1:41:42 PM

Author: CDurham

Color: Layer: Space:

Page Label: 12

Subject: Text Box Page Index: 12

Date: 12/27/2021 1:48:50 PM

Author: CDurham

Color: Layer: Space:

Page Label: 12

How do these release rates compare to those in the previous report by Classic?

Include calculation in appendix for sizing riprap in

spillway. See Ch 13 Eqn 13-9 in City DCM

Appendix shows 58.8%.

13 (1)

Subject: Text Box Page Index: 13

Date: 12/27/2021 1:42:09 PM

Author: CDurham

Color: Layer: Space:

Page Label: 13

Update table per spreadsheet

14 (2)

Subject: Text Box Page Index: 14

Date: 12/27/2021 1:43:04 PM

Author: CDurham

Color: Layer: Space: Page Label: 14 Include discussion on design of proposed swales and analysis of existing ditches (velocities, depths,

freeboard, etc)

Subject: Callout Page Index: 14

Date: 12/27/2021 1:43:47 PM

Author: CDurham

Color: Layer: Space:

Page Label: 14

What happens at Marksheffel (overtop road, inundates channel, etc)

15 (1)

Subject: Text Box Page Index: 15

Date: 12/27/2021 1:44:09 PM

Author: CDurham

Color: Layer: Space:

Page Label: 15

Include section on Maintenance

Include cost estimate

seems high - per App. L Table 3-1, 53%?

16 (9)

10.0 DRAINAGE/BRIDGE FEES The project lies within the Sand C payment of drainage/bridge fee Subject: Text Box Page Index: 16

Date: 12/27/2021 1:44:28 PM

Author: CDurham

Color: Layer: Space:

Page Label: 16

Subject: Callout Page Index: 16

Date: 12/29/2021 12:02:50 PM

Author: dsdrice Color: Layer: Space:

Page Label: 16

\$20,387

\$8,339

Subject: Callout Page Index: 16

Date: 12/29/2021 12:04:31 PM

Author: dsdrice Color: Layer: Space:

Page Label: 16

Subject: Callout Page Index: 16

Date: 12/29/2021 12:04:53 PM

Author: dsdrice Color: Layer: Space:

Page Label: 16

cres at 44.6% impervious = 23.23 imper

ore, the following fees are due: cres x \$18,841.00 = \$437,646.80 draind cres x \$8,339.00 = \$193.701.86 bridge is considered as an open space trac pment of Tract B will require a replat a proposed impervious acreage.

Subject: Page Index: 16

Date: 12/29/2021 12:06:10 PM

Author: dsdrice Color: Layer: Space: Page Label: 16 \$18,841.00 = \$437,646.80

Subject: \$8,339.00 = \$193.701.86 ore, the following fees are due: Page Index: 16 cres x \$18,841.00 = \$437,646.80 drainc cres x \$8,339.00 = \$193.701.86 bridge Date: 12/29/2021 12:06:13 PM Author: dsdrice Color: Layer: Space: Page Label: 16 Subject: 23.23 Page Index: 16 23.23 ac Date: 12/29/2021 12:06:18 PM 23.23 ac Author: dsdrice Color: Layer: Space: Page Label: 16 Subject: 23.23 OC Page Index: 16 23.23 23.23 QC Date: 12/29/2021 12:06:21 PM Author: dsdrice Color: Layer: Space: Page Label: 16 Subject: 52.07 acres at 44.6% impervious = 23.23 Page Index: 16 Date: 12/29/2021 12:06:26 PM Author: dsdrice 23.23 acres x \$18.841.00 = \$437,646.80 drainag 23.23 acres x \$8,339.00 = \$193.701.86 bridge 6 Color: Layer: Space: Page Label: 16 Subject: Cloud+ These values should be 0.09 & 0.36 per new Page Index: 63 criteria Date: 12/27/2021 1:45:55 PM Author: CDurham





Color: Layer: Space: Page Label: 63

Subject: Cloud+ Page Index: 63

Date: 12/27/2021 1:46:52 PM

Author: CDurham

Color: Layer: Space: Page Label: 63 100-Yr C should not be lower than 5-yr

147 (1) Subject: Text Box Need to include Basins CT & WS to be accounted Page Index: 147 for in overall imperviousness to North Pond Date: 12/27/2021 1:53:38 PM Author: CDurham Color: Layer: Space: Page Label: 147 152 (1) Subject: Cloud+ DP Table on Drainage plan shows area as 434.39 Page Index: 152 acres. Date: 12/27/2021 1:55:04 PM Author: CDurham Color: Layer: Space: Page Label: 152 153 (5) Subject: Text Box Missing Basins CT, EX-R, D-16 & WS and Design Page Index: 153 Points 4 & 24. Date: 12/27/2021 1:56:16 PM Author: CDurham Color: Layer: Space: Page Label: 153 Subject: Highlight 10.3 Page Index: 153 Date: 12/27/2021 1:56:26 PM 10.3 Author: CDurham 6.3 Color: Layer: Space: Page Label: 153 Subject: Highlight 10.3 6.3 Page Index: 153 6.3 Date: 12/27/2021 1:56:28 PM Author: CDurham 15.9 Color: Layer: Space: Page Label: 153 Subject: Highlight 8.8 5.2 Page Index: 153 Date: 12/27/2021 1:56:33 PM 5.2 Author: CDurham 29.5 Color: Layer: Space: Page Label: 153

Subject: Cloud+ Page Index: 153

Date: 12/27/2021 1:57:17 PM

Author: CDurham

Color: Layer: Space:

Page Label: 153

Missing information

22.6

13.2

9.1

154 (4)

22.6 13.2 Subject: Highlight Page Index: 154

Date: 12/27/2021 1:56:50 PM

Author: CDurham

Color: Layer: Space:

Page Label: 154

22.6 13.2 34.2 Subject: Highlight Page Index: 154

Date: 12/27/2021 1:56:52 PM

Author: CDurham

Color: Layer: Space:

Page Label: 154

34.2 9.1

7.1

Subject: Highlight Page Index: 154

Date: 12/27/2021 1:56:56 PM

Author: CDurham

Color: Layer: Space:

Page Label: 154

19.4 11.2 63.5 Subject: Highlight Page Index: 154

Date: 12/27/2021 1:56:59 PM

Author: CDurham

Color: Layer: Space:

Page Label: 154

11.2

155 (1)



Subject: Text Box Page Index: 155

Date: 12/21/2021 2:57:31 PM

Author: CDurham

Color: Layer:

Page Label: 155

Full review not performed on storm system& inlet sizing due to possible changes in flows with edits to "C-values" in hydrology calculations. Review will

completed at next submittal.

205 (1)

DETENTION BASIN MHFD.

Pond 1?

Subject: Text Box Page Index: 205

Date: 12/27/2021 9:16:05 AM

Author: CDurham

Color: Layer: Space:

Page Label: 205

Pond 1?

207 (1)



Subject: Callout Page Index: 207

Date: 12/21/2021 3:00:29 PM

Author: CDurham

Color: Layer: Space:

Page Label: 207

This should be ~1

210 (1)



Subject: Callout Page Index: 210

Date: 12/21/2021 3:01:50 PM

Author: CDurham

Color: Layer: Space:

Page Label: 210

Need to include in appendix how this imperviousness was obtained

215 (1)



Subject: Callout Page Index: 215

Date: 12/21/2021 3:03:31 PM

Author: CDurham

Color: Layer: Space:

Page Label: 215

Appendix shows % imp to be 58.8%. Confirm

correct %

220 (3)



Subject: Engineer Page Index: 220

Date: 12/27/2021 2:26:54 PM

Author: dotprete Color: Layer: Space:

Page Label: 220

Provide outlet protection riprap calculations

1.008 ac-ft 0.0302 ac-ft 0.0310 ac-ft Subject: Highlight Page Index: 220

Date: 12/27/2021 2:41:25 PM

Author: CDurham

Color: Layer: Space:

Page Label: 220

0.0310 ac-ft

<u>Ή</u>



Subject: Callout Page Index: 220

Date: 12/27/2021 2:41:55 PM

Author: CDurham

Color: Layer: Space:

Page Label: 220

Per CD's appear to be short of required volume.

221 (21)

Subject: Text Box Page Index: 221

Date: 12/21/2021 3:28:21 PM

Author: CDurham

Color: Layer: Space:

Page Label: 221

Include single overall map with basins & grading

Contour labels

Subject: Text Box Page Index: 221

Date: 12/21/2021 3:28:35 PM

Author: CDurham

Color: Layer: Space:

Page Label: 221

Contour labels

All storm infrastructure needs to be labeled as public or private.

Subject: Text Box Page Index: 221

Date: 12/21/2021 3:36:12 PM

Author: CDurham

Color: Layer: Space:

Page Label: 221

All storm infrastructure needs to be labeled as

public or private.



Subject: Text Box Page Index: 221

Date: 12/22/2021 1:16:22 PM

Author: CDurham

Color: Layer: Space:

Page Label: 221

Who has channel maintenance, county or metro district?



Subject: Callout Page Index: 221

Date: 12/27/2021 9:11:47 AM

Author: CDurham

Color: Layer: Space:

Page Label: 221

What is radius? Maintenance access needs to be within 25' of all forebays, outlets, etc.



Subject: Callout Page Index: 221

Date: 12/27/2021 9:03:16 AM

Author: CDurham

Color: Layer: Space:

Page Label: 221

Label wye



Subject: Callout Page Index: 221

Date: 12/27/2021 9:03:24 AM

Author: CDurham

Color: Layer: Space:

Page Label: 221

Label pipe size



Subject: Callout Page Index: 221

Date: 12/27/2021 9:05:32 AM

Author: CDurham

Color: Layer: Space:

Page Label: 221

Move basin label to see MH note

Label inlets as sump or at-grade

Subject: Text Box Page Index: 221

Date: 12/27/2021 9:06:19 AM

Author: CDurham

Color: Layer: Space:

Page Label: 221

Label inlets as sump or at-grade

Include match lines on all sheets

Subject: Text Box Page Index: 221

Date: 12/27/2021 9:07:02 AM

Author: CDurham

Color: Layer: Space:

Page Label: 221

Include match lines on all sheets



Subject: Callout Page Index: 221

Date: 12/27/2021 9:11:14 AM

Author: CDurham

Color: Layer: Space:

Page Label: 221

Label pipe size



Subject: Callout Page Index: 221

Date: 12/27/2021 9:11:44 AM

Author: CDurham

Color: Layer: Space:

Page Label: 221

Label structure



Subject: Callout Page Index: 221

Date: 12/27/2021 9:25:11 AM

Author: CDurham

Color: Layer: Space:

Page Label: 221

Move label to forebay location. How is access to this forebay being accomplished?

Subject: Callout



Subject: Callout Page Index: 221

Date: 12/27/2021 9:13:27 AM

Author: CDurham

Color: Layer: Space:

Page Label: 221

What are these?

Subject: Text Box Page Index: 221

Date: 12/27/2021 11:31:37 AM

Author: CDurham

Color: Layer: Space:

Page Label: 221

Label all existing storm infrastructure

Subject: Text Box Page Index: 221

Date: 12/27/2021 11:28:47 AM

Author: CDurham

Color: Layer: Space:

Page Label: 221

Development/Owners

Development/Owners D 1.36

Subject: Text Box Page Index: 221

Date: 12/27/2021 11:28:57 AM

Author: CDurham

Color: Layer: Space:

Page Label: 221

Development/Owners



Subject: Text Box

Page Index: 221 Date: 12/27/2021 11:31:50 AM

Author: CDurham

Color: Layer: Space:

Page Label: 221

Label high and low points



Subject: Engineer Page Index: 221

Date: 12/27/2021 1:27:17 PM

Author: dotprete

Color: Layer: Space:

Page Label: 221



Subject: Engineer Page Index: 221

Date: 12/27/2021 1:27:28 PM

Author: dotprete

Color: Layer: Space:

Page Label: 221

This reference is for open channels.



Subject: Callout Page Index: 221

Date: 12/29/2021 10:03:24 AM

Author: dsdrice Color:

Layer: Space:

Page Label: 221

If there is a separate tract here now, label it. (Label all tracts)

222 (12)



Subject: Callout Page Index: 222

Date: 12/21/2021 12:32:03 PM

Author: CDurham

Color: Layer: Space:

Page Label: 222

Does a more well-defined ditch need to be provided for the proposed >18 cfs runoff into this

area? Provide analysis.



Subject: Callout Page Index: 222

Date: 12/21/2021 12:31:44 PM

Author: CDurham

Color: Layer: Space:

Page Label: 222

It appears that hatching has been moved. please update.



Subject: Callout Page Index: 222

Date: 12/21/2021 12:32:48 PM

Author: CDurham

Color: Layer: Space:

Page Label: 222

If Tract F is a runoff reduction Grass Buffer Strip, calculations and maintenance requirements need

to be provided.



Subject: Callout Page Index: 222

Date: 12/21/2021 3:29:58 PM

Author: CDurham

Color: Layer: Space:

Page Label: 222

Label ex inlet & pipe



Subject: Callout Page Index: 222

Date: 12/21/2021 3:38:14 PM

Author: CDurham

Color: Layer: Space:

Page Label: 222

Label pipe size, material, etc - Stay/removed?



Subject: Callout Page Index: 222

Date: 12/21/2021 3:37:33 PM

Author: CDurham

Color: Layer: Space:

Page Label: 222

Can't read label



Subject: Callout Page Index: 222

Date: 12/21/2021 3:37:53 PM

Author: CDurham

Color: Layer: Space:

Page Label: 222

Move arrow or text



Subject: Callout Page Index: 222

Date: 12/27/2021 8:51:23 AM

Author: CDurham

Color: Layer: Space:

Page Label: 222

Label pipe size



Subject: Text Box

Page Index: 222 Date: 12/27/2021 11:29:11 AM

Author: CDurham

Color: Layer: Space:

Page Label: 222

Development/Owners



Subject: Engineer Page Index: 222

Date: 12/27/2021 1:03:21 PM

Author: dotprete

Color: Layer: Space:

Page Label: 222

show limits of wall and concrete swale



Subject: Arrow Page Index: 222

Date: 12/29/2021 10:00:57 AM

Author: dsdrice

Color: Layer: Space:

Page Label: 222



Subject: Arrow Page Index: 222

Date: 12/29/2021 10:00:57 AM

Author: dsdrice

Color: Layer: Space:

Page Label: 222

223 (4)



Subject: Callout Page Index: 223

Date: 12/27/2021 9:34:57 AM

Author: CDurham Color:

Color: Layer: Space:

Page Label: 223

Label pipe size



Subject: Callout Page Index: 223

Date: 12/27/2021 9:35:07 AM

Author: CDurham

Color: Layer: Space:

Page Label: 223

Label Structure



Subject: Text Box Page Index: 223

Date: 12/27/2021 11:29:21 AM

Author: CDurham

Color: Layer: Space:

Page Label: 223

Development/Owners



Subject: Text Box Page Index: 223

Date: 12/27/2021 11:29:28 AM

Author: CDurham

Color: Layer: Space:

Page Label: 223

Development/Owners

224 (5)



Subject: Engineer Page Index: 224

Date: 12/27/2021 12:29:16 PM

Author: dotprete

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The ECM allows for 20% of the site, up to 1 ac of the applicable development site area to not be captured. these two areas add up to over 1 acre. WQ will be required for areas over the 1 acre limit.



Subject: Engineer Page Index: 224

Date: 12/27/2021 12:29:11 PM

Author: dotprete

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this area includes an outlet pipes, spillways, concrete wall, and concrete channel. It should not be considered "undeveloped" and therefore does

not meet the WQ exclusion.



Subject: Engineer Page Index: 224

Date: 12/29/2021 9:56:38 AM

Author: dotprete

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According to the proposed contours, this entire basin would need to be shaded blue and would then be greater than 1ac, triggering the WQ

requirement.



Subject: Callout Page Index: 224

Date: 12/29/2021 9:56:34 AM

Author: dsdrice Color:

Layer: Space:

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Should be 1"=100'?



Subject: Area Measurement

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Date: 12/29/2021 9:57:44 AM
Author: dsdrice
Color:

Layer: Space:

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78,656.54 sf