

ENG-SF21021-R2-FDR.pdf Markup Summary

1 (2)

See comment letter also

Subject: Text Box
Page Index: 1
Date: 12/10/2021 12:53:01 PM
Author: dsdrice
Color: ■
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Space:
Page Label: 1

See comment letter also

Engineering Review
12/10/2021 12:53:01 PM
dsdrice
JedRice@epcd.org
719-528-7977
EPC Planning & Community
Development Department

Subject: EPC ENG Review
Page Index: 1
Date: 12/10/2021 12:53:14 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 1

7 (3)

ing on-site stock pond will continue to
Include flows for Basin EX-5
P-5 (Q₂ = 3 cfs, Q₁ = 11 cfs, Q₁₀₀ = 69
Basin EX-5 is the northwest portion
very defined natural ravine that conv

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Include flows for Basin EX-5

with along from on-site storage during heavy precipitation
secondary direction towards Sand Creek. Along with the
secondary emergency access road up to Arroyo Lane, several
convey portions of these flows under the access road. The
continue to remain as a required portion of the on-site storage
Routing DP routing needs to be
Basin EX-5
Q₂ = 3 cfs, Q₁ = 11 cfs, Q₁₀₀ = 69
Basin EX-5 is the northwest portion
very defined natural ravine that conv

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Author: CDurham
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Existing DP routing needs to be shown in appendix. Flows do not match those shown on drainage map.

wards Sand Creek. Dual 30"
road crosses this ravine. This
if-site flows will be accounted

culvert material?

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culvert material?

8 (1)

Reference to the water quality plan and state how much area from roads and urban lots is proposed not to be treated.

Subject: Callout
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Author: dsdrice
Color: ■
Layer:
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Page Label: 8

Reference to the water quality plan and state how much area from roads and urban lots is proposed not to be treated.

14 (1)

installed to intercept 99% or the > yr...
= 0 cfs, $Q_{100} = 2.3$ cfs) will then continu
(See: [List Basin S flows](#))
flows from Basin S and the flow-by fro
d 15" Type R Sump Inlet will be install

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List Basin S flows

16 (4)

n the Board of County Commissioners
l maintained by the El Paso County along
Y. [Describe maintenance
access for ponds.](#)
commended as a floodplain preservation

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Author: CDurham
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Describe maintenance access for ponds.

[Design Point 15?](#)
d flows sheet flow in a southerly
into the temporary sediment basin
alley Trail. At this point, all on-site

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Design Point 15?

for the acquisition or appropriate for
the southern property line to facilita
Ranch in this area, Basins V, W and C
potentially eliminate the swale along
[Missing Discussion on Basin F](#)
DETONATION / STORMWATER QUALI
As required, storm water quality m
sediment, debris and pollutants that
are not limited to Full Spectrum Det

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Missing discussion on Basin F

ownership and maintenance by the TimberRidge Metro
of construction and upon the Board of County Commis
channel will be owned and maintained by the El Paso Count
than the public Right of Way.
REQUIREMENTS
structural
improvements
DBPS, this Reach SC-9 is recommended as a Floodplain prese
act of the current requirements for detention/SWQ facilities p
need release at or below pre-development flows, the section

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Author: dsdrice
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structural improvements

17 (4)

was required to install stable. Existing FEMA 10 channel collection in
a DBPS [was to exceed appropriate allowable velocities](#). Although,
a from the CSRE Consultants, Inc. Impact Identification Report, no sig
and degradation through the property currently exists at the site. Spe
control structures (See Appendix) were specified in the DBPS through this
the current velocity to the DBPS recommended 7 feet per second and to a
requirement exceed degradation allowing channel change and overbank
with and these structures will into degradation under the existing

Subject: Highlight
Page Index: 17
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Author: CDurham
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Author: CDurham
Color: ■
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velocities do or do not exceed recommended allowable? List the range of velocities.

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Author: dsdrice
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There is still not enough information in this section. Provide the proposed criteria being used in the channel design.

Subject:
Page Index: 17
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ca

19 (1)

Subject:
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Author: dsdrice
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S


20 (3)

Subject: Text Box
Page Index: 20
Date: 11/22/2021 3:58:28 PM
Author: CDurham
Color: ■
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What is the range of shear stress in the channel after improvements?

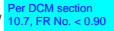
Subject: Callout
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Author: dsdrice
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Address whether this is valid based on current design practices.

Subject:
Page Index: 20
Date: 12/10/2021 3:06:00 PM
Author: dsdrice
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S-

21 (1)

to, over 1.0 for this stretch of
s remains less than 1.0, with
allow  (Per DCM section
10.7, FR No. < 0.90
ramp locations and details)

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Per DCM section 10.7, FR No. < 0.90


24 (1)



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Author: dsdrice
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25 (1)


Verify based on
other comments

\$45,000 EA x 1 = \$ 45,000

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Author: dsdrice
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Verify based on other comments

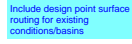
70 (1)


 Include this basin in
report discussion

A
C
D
E1
E2
F
G
H
H2

Subject: Callout
Page Index: 70
Date: 11/23/2021 2:56:50 PM
Author: CDurham
Color: 
Layer:
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Include this basin in report discussion

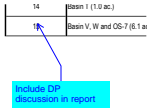
72 (1)

 Include design point surface
routing for existing
conditions/basins
MARY
Flow

Subject: Text Box
Page Index: 72
Date: 11/23/2021 11:20:30 AM
Author: CDurham
Color: 
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Page Label: 45

Include design point surface routing for existing conditions/basins

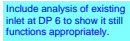
73 (1)



Subject: Callout
Page Index: 73
Date: 11/23/2021 2:57:31 PM
Author: CDurham
Color: ■
Layer:
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Page Label: 46

Include DP discussion in report

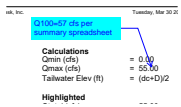
90 (1)



Subject: Text Box
Page Index: 90
Date: 11/23/2021 3:04:34 PM
Author: CDurham
Color: ■
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Space:
Page Label: 63

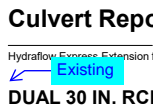
Include analysis of existing inlet at DP 6 to show it still functions appropriately.

91 (3)



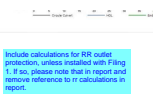
Subject: Callout
Page Index: 91
Date: 11/23/2021 3:05:23 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 64

Q100=57 cfs per summary spreadsheet



Subject: Callout
Page Index: 91
Date: 11/23/2021 3:09:47 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 64

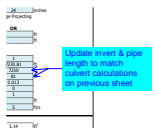
Existing



Subject: Text Box
Page Index: 91
Date: 11/24/2021 11:02:07 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 64

Include calculations for RR outlet protection, unless installed with Filing 1. If so, please note that in report and remove reference to rr calculations in report.

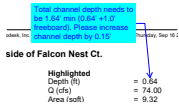
93 (1)



Subject: Callout
Page Index: 93
Date: 11/23/2021 3:12:51 PM
Author: CDurham
Color: ■
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Page Label: 66

Update invert & pipe length to match culvert calculations on previous sheet

96 (1)



Subject: Callout
Page Index: 96
Date: 11/23/2021 3:22:12 PM
Author: CDurham
Color: ■
Layer:
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Page Label: 69

Total channel depth needs to be 1.64' min (0.64' + 1.0' freeboard). Please increase channel depth by 0.15'

98 (1)

What is velocity in swale? Any lining any needed?

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Page Index: 98
Date: 11/23/2021 3:27:57 PM
Author: CDurham
Color: ■
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Page Label: 71

What is velocity in swale? Any lining any needed?

99 (1)

What is velocity in swale? Any lining any needed?

Subject: Text Box
Page Index: 99
Date: 11/23/2021 3:28:15 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 72

What is velocity in swale? Any lining any needed?

106 (5)

13.58	5.46	6.60	14.23	4.0
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-Velocities are higher than the allowed 18 fps.

Subject: Text Box
Page Index: 106
Date: 11/24/2021 10:07:43 AM
Author: CDurham
Color: ■
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-Velocities are higher than the allowed 18 fps.

Jump	4/
Pressurized	39
Supercritical	10

Subject: Highlight
Page Index: 106
Date: 11/23/2021 3:33:48 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 79

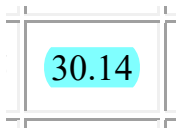
Pressurized

00	Supercritical	10.00	0.00
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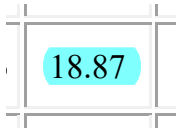
-Pressure pipe-look at upsizing pipe size

Subject: Text Box
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Date: 11/23/2021 3:34:17 PM
Author: CDurham
Color: ■
Layer:
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-Pressure pipe-look at upsizing pipe size

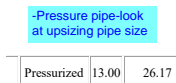


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Page Index: 106 30.14
Date: 11/24/2021 10:07:13 AM
Author: CDurham
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Subject: Highlight
Page Index: 106 18.87
Date: 11/24/2021 10:07:15 AM
Author: CDurham
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107 (3)



Pressurized	13.00	26.17
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Subject: Text Box
Page Index: 107 -Pressure pipe-look at upsizing pipe size
Date: 11/23/2021 3:34:24 PM
Author: CDurham
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Layer:
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Page Label: 80

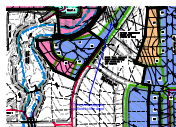
Pressurized	13
Supercritical	4

Subject: Highlight
Page Index: 107 Pressurized
Date: 11/23/2021 3:34:29 PM
Author: CDurham
Color:
Layer:
Space:
Page Label: 80

Supercritical	8
Pressurized	25
Supercritical	23

Subject: Highlight
Page Index: 107 Pressurized
Date: 11/23/2021 3:34:33 PM
Author: CDurham
Color:
Layer:
Space:
Page Label: 80

129 (1)



Subject: Callout
Page Index: 129 This area appears to flow to the west
Date: 12/10/2021 12:43:17 PM
Author: dsdrice
Color:
Layer:
Space:
Page Label: [1] Model

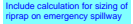
130 (1)



Subject: Engineer
Page Index: 130
Date: 12/2/2021 3:10:24 PM
Author: dotprete
Color: ■
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Page Label: 104

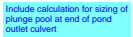
provide a figure showing all proposed UIA and RPA areas to be utilized for runoff reduction. All RPA areas will need to be within a no build/drainage easement and discussed in the maintenance agreement and O&M Manual.

135 (3)



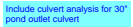
Subject: Text Box
Page Index: 135
Date: 11/23/2021 4:01:04 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 109

Include calculation for sizing of riprap on emergency spillway



Subject: Text Box
Page Index: 135
Date: 11/24/2021 11:01:08 AM
Author: CDurham
Color: ■
Layer:
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Page Label: 109

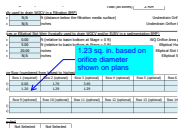
Include calculation for sizing of plunge pool at end of pond outlet culvert



Subject: Text Box
Page Index: 135
Date: 11/24/2021 11:04:31 AM
Author: CDurham
Color: ■
Layer:
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Page Label: 109

Include culvert analysis for 30" pond outlet culvert

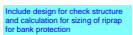
144 (1)



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Date: 11/24/2021 11:58:56 AM
Author: CDurham
Color: ■
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Page Label: 118

1.23 sq. in. based on orifice diameter shown on plans

148 (2)



Subject: Text Box
Page Index: 148
Date: 11/24/2021 11:10:11 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 122

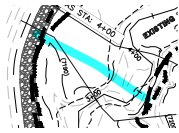
Include design for check structure and calculation for sizing of riprap for bank protection

Include design for secondary bypass channel for wetlands and discuss in report

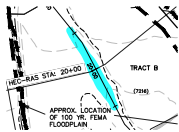
Subject: Text Box
Page Index: 148
Date: 11/24/2021 11:11:21 AM
Author: CDurham
Color: ■
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Include design for secondary bypass channel for wetlands and discuss in report

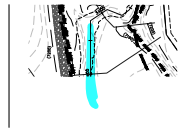
149 (7)



Subject:
Page Index: 149
Date: 12/8/2021 3:53:52 PM
Author: dsdrice
Color: ■
Layer:
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Page Label: [1] CHANNEL STATIONS



Subject:
Page Index: 149
Date: 12/8/2021 4:03:05 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] CHANNEL STATIONS



Subject:
Page Index: 149
Date: 12/8/2021 4:03:40 PM
Author: dsdrice
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Page Label: [1] CHANNEL STATIONS

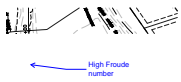


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Page Index: 149
Date: 12/8/2021 4:15:08 PM
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Page Label: [1] CHANNEL STATIONS



Subject: Callout
Page Index: 149
Date: 12/8/2021 4:16:13 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: [1] CHANNEL STATIONS

High velocity and shear stresses



Subject: Callout
Page Index: 149
Date: 12/8/2021 4:16:47 PM
Author: dsdrice
Color: ■
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Page Label: [1] CHANNEL STATIONS

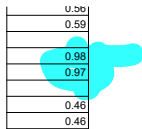
High Froude number



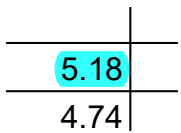
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Page Index: 149
Date: 12/10/2021 1:11:43 PM
Author: dsdrice
Color: ■
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Page Label: [1] CHANNEL STATIONS

High depth

171 (2)



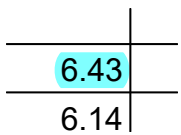
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Date: 12/8/2021 3:58:55 PM
Author: dsdrice
Color: ■
Layer:
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Page Label: 140



Subject:
Page Index: 171
Date: 12/8/2021 4:02:02 PM
Author: dsdrice
Color: ■
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Page Label: 140

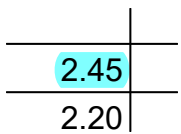
5.18

172 (12)



Subject: Highlight
Page Index: 172
Date: 11/23/2021 10:49:23 AM
Author: CDurham
Color: ■
Layer:
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Page Label: 141


6.43



Subject: Highlight
Page Index: 172
Date: 11/23/2021 10:49:26 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 141


2.45

6.43
6.14

Subject: Highlight
Page Index: 172
Date: 11/23/2021 10:49:28 AM
Author: CDurham
Color: 
Layer:
Space:
Page Label: 141


6.14

2.45
2.20


Subject: Highlight
Page Index: 172
Date: 11/23/2021 10:49:32 AM
Author: CDurham
Color: 
Layer:
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Page Label: 141

2.20


0.59
0.54
0.96
0.95
0.96
1.11

Subject:
Page Index: 172
Date: 12/8/2021 4:00:43 PM
Author: dsdrice
Color: 
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0.96
0.95
0.96
1.11


Subject:
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Date: 12/8/2021 4:00:47 PM
Author: dsdrice
Color: 
Layer:
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6.52	6.85
6.31	6.57
7.82	10.19
7.30	8.99
5.18	6.09

Subject:
Page Index: 172
Date: 12/8/2021 4:01:35 PM
Author: dsdrice
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Layer:
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7.82 10.19

6.31	6.57
7.82	10.19
7.30	8.99
5.18	6.09
4.87	5.53


Subject:
Page Index: 172
Date: 12/8/2021 4:01:38 PM
Author: dsdrice
Color: 
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7.30 8.99


6.09
5.53

Subject: 6.09
Page Index: 172
Date: 12/8/2021 4:01:46 PM
Author: dsdrice
Color: 
Layer:
Space:
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6.09
5.53

Subject: 5.53
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Author: dsdrice
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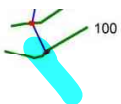
6.85
6.57


Subject: 6.85
Page Index: 172
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Author: dsdrice
Color: 
Layer:
Space:
Page Label: 141

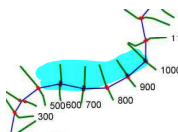
6.85
6.57


Subject: 6.57
Page Index: 172
Date: 12/8/2021 4:01:52 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 141

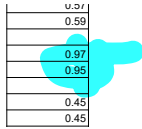
174 (2)



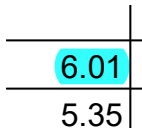
Subject:
Page Index: 174
Date: 12/8/2021 4:13:32 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 143



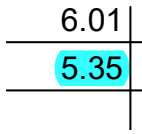
Subject:
Page Index: 174
Date: 12/8/2021 4:13:49 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 143



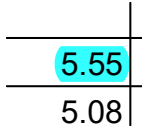
Subject:
Page Index: 183
Date: 12/8/2021 4:06:27 PM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 152



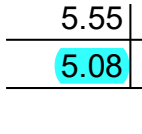
Subject: 6.01
Page Index: 183
Date: 12/8/2021 4:06:39 PM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 152



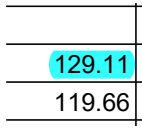
Subject: 5.35
Page Index: 183
Date: 12/8/2021 4:06:41 PM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 152



Subject: 5.55
Page Index: 183
Date: 12/8/2021 4:07:30 PM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 152



Subject: 5.08
Page Index: 183
Date: 12/8/2021 4:07:32 PM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 152



Subject: 129.11
Page Index: 183
Date: 12/8/2021 4:30:25 PM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 152

	Subject:	5.44
	Page Index: 183	
5.44	Date: 12/8/2021 4:36:02 PM	
5.17	Author: dsdrice	
	Color: ■	
	Layer:	
	Space:	
	Page Label: 152	

5.44	Subject:	5.17
5.17	Page Index: 183	
	Date: 12/8/2021 4:36:04 PM	
	Author: dsdrice	
	Color: ■	
	Layer:	
	Space:	
	Page Label: 152	

184 (18)

	Subject:	7.05
	Page Index: 184	
7.05	Date: 12/8/2021 4:09:55 PM	
6.40	Author: dsdrice	
	Color: ■	
	Layer:	
	Space:	
	Page Label: 153	

7.05	Subject:	6.40
6.40	Page Index: 184	
	Date: 12/8/2021 4:09:57 PM	
	Author: dsdrice	
	Color: ■	
	Layer:	
	Space:	
	Page Label: 153	

	Subject:	6.10
	Page Index: 184	
6.10	Date: 12/8/2021 4:10:02 PM	
5.56	Author: dsdrice	
	Color: ■	
	Layer:	
	Space:	
	Page Label: 153	

	Subject:	5.78
	Page Index: 184	
5.78	Date: 12/8/2021 4:10:05 PM	
5.08	Author: dsdrice	
	Color: ■	
	Layer:	
	Space:	
	Page Label: 153	

5.78
5.08

Subject:
Page Index: 184
Date: 12/8/2021 4:10:08 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 153

5.08

6.10
5.56

Subject:
Page Index: 184
Date: 12/8/2021 4:10:19 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 153

5.56

5.90
5.61

Subject:
Page Index: 184
Date: 12/8/2021 4:10:21 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 153

5.9

5.90
5.61

Subject:
Page Index: 184
Date: 12/8/2021 4:10:24 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 153

5.6



Subject: Callout
Page Index: 184
Date: 12/8/2021 4:11:41 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 153


Grade control required?

6.30
5.99

Subject:
Page Index: 184
Date: 12/8/2021 4:12:07 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 153


6.30

6.30 |
5.99 |

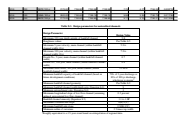
Subject:
Page Index: 184
Date: 12/8/2021 4:12:09 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 153


5.99

5.83 |
5.42 |


Subject:
Page Index: 184
Date: 12/8/2021 4:12:24 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 153

5.83




Subject: Snapshot
Page Index: 184
Date: 12/8/2021 4:35:29 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 153

5.83 |
5.42 |

Subject:
Page Index: 184
Date: 12/8/2021 4:35:46 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 153


5.42

5.21 |
4.90 |

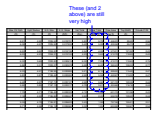
Subject:
Page Index: 184
Date: 12/8/2021 4:35:51 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 153

5.21

MHFD has acceptable criteria; address channel design and stability.

Subject: Callout
Page Index: 184
Date: 12/8/2021 4:39:03 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 153

MHFD has acceptable criteria; address channel design and stability.



Subject: Cloud+
Page Index: 184
Date: 12/10/2021 1:05:13 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 153

These (and 2 above) are still very high

7188.25	7195.43
7185.84	7195.23
7185.84	7194.55
7184.80	7193.06
7184.80	7192.56

Subject:
Page Index: 184
Date: 12/10/2021 1:06:37 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 153

7185.84 7194.55

188 (1)



Subject: Callout
Page Index: 188
Date: 12/10/2021 12:35:03 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 168

Is there a grade control structure here?

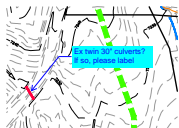
190 (3)

0.01	1.00	1.00	3.00	0.10	0.01
0.02	1.00	1.00	3.00	0.10	0.01
0.07	1.00	1.00	10.00	0.10	0.01

Include design point summary table.

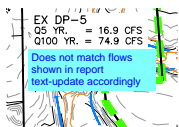
Subject: Text Box
Page Index: 190
Date: 11/23/2021 11:19:25 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Include design point summary table.



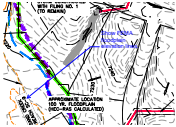
Subject: Callout
Page Index: 190
Date: 11/23/2021 11:31:09 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Ex twin 30" culverts? If so, please label



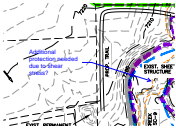
Subject: Text Box
Page Index: 190
Date: 11/23/2021 11:37:11 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: [1] Layout1

Does not match flows shown in report text-update accordingly



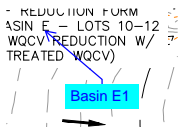
Subject: Callout
Page Index: 191
Date: 11/23/2021 11:02:59 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 185

Show FEMA floodplain elevation lines.



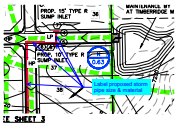
Subject: Callout
Page Index: 191
Date: 11/23/2021 11:05:31 AM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 185

Additional protection needed due to shear stress?



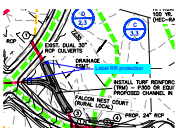
Subject: Callout
Page Index: 191
Date: 11/23/2021 12:47:27 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 185

Basin E1



Subject: Callout
Page Index: 191
Date: 11/23/2021 3:49:36 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 185

Label proposed storm pipe size & material



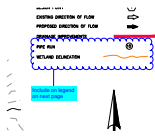
Subject: Callout
Page Index: 191
Date: 11/23/2021 3:51:02 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 185

Label RR protection



Subject: Text Box
Page Index: 191
Date: 11/23/2021 3:54:08 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 185

Indicate whether all proposed storm facilities are private or public



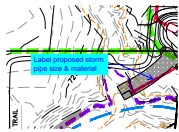
Subject: Cloud+
Page Index: 191
Date: 11/23/2021 3:54:53 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 185

Include on legend on next page



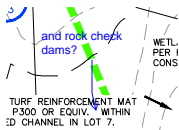
Subject: Callout
Page Index: 191
Date: 11/23/2021 3:59:03 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 185

Label emergency spillway



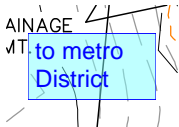
Subject: Callout
Page Index: 191
Date: 11/23/2021 3:59:55 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 185

Label proposed storm pipe size & material



Subject: Callout
Page Index: 191
Date: 12/9/2021 1:47:55 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 185

and rock check dams?



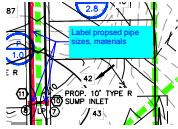
Subject: Text Box
Page Index: 191
Date: 12/9/2021 2:06:10 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 185

to metro District



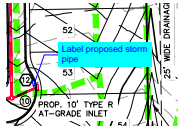
Subject: Callout
Page Index: 191
Date: 12/10/2021 1:20:35 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 185

See comment letter



Subject: Callout
Page Index: 192
Date: 11/23/2021 3:52:34 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 185

Label proposed pipe sizes, materials



Subject: Callout
Page Index: 192
Date: 11/23/2021 3:52:56 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 185

Label proposed storm pipe



Subject: Callout
Page Index: 192
Date: 11/23/2021 3:53:17 PM
Author: CDurham
Color: ■
Layer:
Space:
Page Label: 185

Label proposed storm pipe