

ENG-SP20008-R3-PDR-redlines.pdf Markup Summary

7 (2)

Subject: Callout
Page Index: 7
Date: 9/9/2021 3:26:46 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 7

see plan redlines

Subject: Text Box
Page Index: 7
Date: 9/9/2021 8:59:10 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 7

See drainage plan redline question about additional sub-basin

8 (3)

Subject: Callout
Page Index: 8
Date: 9/10/2021 10:19:11 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 8

Does this include flows from west of Vollmer?

Subject: Callout
Page Index: 8
Date: 9/10/2021 10:25:09 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 8

(complete description)

Subject: Text Box
Page Index: 8
Date: 9/10/2021 10:31:11 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 8

provide the interim flows for these basins in the narrative

9 (1)


Subject: Callout
Page Index: 9
Date: 9/10/2021 10:32:37 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 9

(Will this FDR be done with the road plans?)

Sheet 18 has a tributary area of 9.91 Acres and is 7.7% impervious. Sheet 18 is a portion of the wetland portion of Vollmer Road. Runoff from the basin drains to a 4.0' x 4.0' manhole at the intersection of Vollmer and Blingue. It is to be replaced with a 4.0' x 4.0' manhole.

Sheet 18 has a tributary area of 1.11 Acres and is 10% impervious. Sheet 18 is a portion of the wetland portion of Vollmer Road and the road. Runoff from a 4.0' x 4.0' manhole at the intersection of Vollmer and Blingue. It is to be replaced with a 4.0' x 4.0' manhole.

Sheet 18 has a tributary area of 1.11 Acres and is 10% impervious. Sheet 18 is a portion of the wetland portion of Vollmer Road and the road. Runoff from a 4.0' x 4.0' manhole at the intersection of Vollmer and Blingue. It is to be replaced with a 4.0' x 4.0' manhole.


Subject: Text Box
Page Index: 15
Date: 9/10/2021 1:05:06 PM
Author: dsdrice
Color: 
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Space:
Page Label: 15

call out the design points also from here down

Sheet 18 has a tributary area of 9.91 Acres and is 7.7% impervious. Sheet 18 is a portion of the wetland portion of Vollmer Road. Runoff from the basin drains to a 4.0' x 4.0' manhole at the intersection of Vollmer and Blingue. It is to be replaced with a 4.0' x 4.0' manhole.

Sheet 18 has a tributary area of 1.11 Acres and is 10% impervious. Sheet 18 is a portion of the wetland portion of Vollmer Road and the road. Runoff from a 4.0' x 4.0' manhole at the intersection of Vollmer and Blingue. It is to be replaced with a 4.0' x 4.0' manhole.

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Subject: Callout
Page Index: 15
Date: 9/10/2021 1:07:04 PM
Author: dsdrice
Color: 
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Space:
Page Label: 15

doesn't match plan

Sheet 18 has a tributary area of 9.91 Acres and is 7.7% impervious. Sheet 18 is a portion of the wetland portion of Vollmer Road. Runoff from the basin drains to a 4.0' x 4.0' manhole at the intersection of Vollmer and Blingue. It is to be replaced with a 4.0' x 4.0' manhole.

Sheet 18 has a tributary area of 1.11 Acres and is 10% impervious. Sheet 18 is a portion of the wetland portion of Vollmer Road and the road. Runoff from a 4.0' x 4.0' manhole at the intersection of Vollmer and Blingue. It is to be replaced with a 4.0' x 4.0' manhole.

Sheet 18 has a tributary area of 1.11 Acres and is 10% impervious. Sheet 18 is a portion of the wetland portion of Vollmer Road and the road. Runoff from a 4.0' x 4.0' manhole at the intersection of Vollmer and Blingue. It is to be replaced with a 4.0' x 4.0' manhole.

Subject: Callout
Page Index: 15
Date: 9/10/2021 1:10:11 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 15

is this per the approved Vollmer plans?

17 (4)




Subject: Highlight
Page Index: 17
Date: 9/10/2021 1:11:55 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 17

Sheet 18 has a tributary area of 9.91 Acres and is 7.7% impervious. Sheet 18 is a portion of the wetland portion of Vollmer Road. Runoff from the basin drains to a 4.0' x 4.0' manhole at the intersection of Vollmer and Blingue. It is to be replaced with a 4.0' x 4.0' manhole.

Sheet 18 has a tributary area of 1.11 Acres and is 10% impervious. Sheet 18 is a portion of the wetland portion of Vollmer Road and the road. Runoff from a 4.0' x 4.0' manhole at the intersection of Vollmer and Blingue. It is to be replaced with a 4.0' x 4.0' manhole.

Sheet 18 has a tributary area of 1.11 Acres and is 10% impervious. Sheet 18 is a portion of the wetland portion of Vollmer Road and the road. Runoff from a 4.0' x 4.0' manhole at the intersection of Vollmer and Blingue. It is to be replaced with a 4.0' x 4.0' manhole.


Subject:
Page Index: 17
Date: 9/10/2021 1:14:13 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 17

and runoff from the Vollmer Road improvements

Sheet 18 has a tributary area of 9.91 Acres and is 7.7% impervious. Sheet 18 is a portion of the wetland portion of Vollmer Road. Runoff from the basin drains to a 4.0' x 4.0' manhole at the intersection of Vollmer and Blingue. It is to be replaced with a 4.0' x 4.0' manhole.

Sheet 18 has a tributary area of 1.11 Acres and is 10% impervious. Sheet 18 is a portion of the wetland portion of Vollmer Road and the road. Runoff from a 4.0' x 4.0' manhole at the intersection of Vollmer and Blingue. It is to be replaced with a 4.0' x 4.0' manhole.

Sheet 18 has a tributary area of 1.11 Acres and is 10% impervious. Sheet 18 is a portion of the wetland portion of Vollmer Road and the road. Runoff from a 4.0' x 4.0' manhole at the intersection of Vollmer and Blingue. It is to be replaced with a 4.0' x 4.0' manhole.

Subject: Callout
Page Index: 17
Date: 9/10/2021 1:14:32 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 17

needs to be addressed

improvement
road be
the box

Subject:
Page Index: 17
Date: 9/10/2021 1:15:14 PM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 17

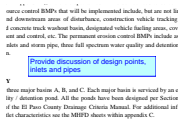
road

18 (2)



Subject: Contractor
Page Index: 18
Date: 8/23/2021 11:29:37 AM
Author: GReese
Color:
Layer:
Space:
Page Label: 18

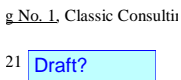
Unresolved comment from Review 1 and 2: Per ECM Appendix I.7.2, please revise the heading for Step 4 to:
"Consider Need for Industrial and Commercial BMP's"



Subject: Text Box
Page Index: 18
Date: 9/10/2021 1:16:46 PM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 18

Provide discussion of design points, inlets and pipes

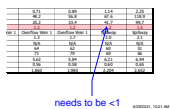
20 (1)



Subject: Text Box
Page Index: 20
Date: 9/10/2021 1:17:50 PM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 20

Draft?

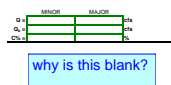
52 (1)



Subject: Callout
Page Index: 52
Date: 9/8/2021 12:48:25 PM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 52

needs to be <1

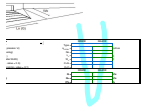
69 (1)



Subject: Text Box
Page Index: 69
Date: 9/10/2021 1:23:50 PM
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Color:
Layer:
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Page Label: 69

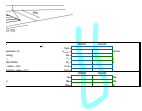
why is this blank?

75 (1)



Subject:
Page Index: 75
Date: 9/10/2021 1:26:00 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 75

83 (1)



Subject:
Page Index: 83
Date: 9/10/2021 1:27:32 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 83

123 (5)

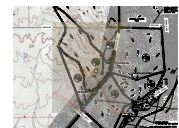


Subject:
Page Index: 123
Date: 9/8/2021 12:56:02 PM
Author: dsdrice
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Space:
Page Label: 123



Subject: Callout
Page Index: 123
Date: 9/9/2021 3:23:05 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 123

Flows appear to be bypassed to DP 2o (path with red dots)



Subject: Image
Page Index: 123
Date: 9/9/2021 3:24:40 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 123



Subject: Highlight
Page Index: 123
Date: 9/9/2021 3:23:29 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 123



Subject: Callout
Page Index: 123
Date: 9/9/2021 3:23:49 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 123

Sub-basin line?

124 (11)



Subject: Arrow
Page Index: 124
Date: 9/9/2021 3:28:25 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 124

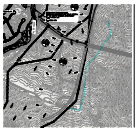


Subject: Callout
Page Index: 124
Date: 9/9/2021 3:30:15 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 124

show diversion if this goes to the west



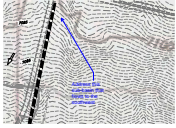
Subject: Arrow
Page Index: 124
Date: 9/9/2021 3:31:06 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 124



Subject:
Page Index: 124
Date: 9/9/2021 3:32:36 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 124



Subject:
Page Index: 124
Date: 9/9/2021 3:32:59 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 124

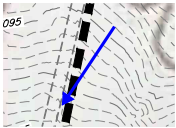


Subject: Callout
Page Index: 124
Date: 9/9/2021 3:33:46 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 124

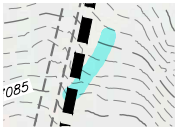
Address this sub-basin that flows to the southwest



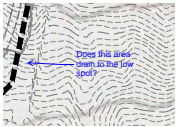
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Page Index: 124
Date: 9/9/2021 8:50:39 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 124



Subject: Arrow
Page Index: 124
Date: 9/9/2021 8:51:09 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 124



Subject:
Page Index: 124
Date: 9/9/2021 8:51:29 PM
Author: dsdrice
Color: ■
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Space:
Page Label: 124

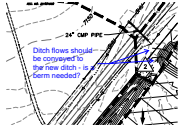


Subject: Callout
Page Index: 124
Date: 9/9/2021 8:51:56 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 124

Does this area drain to the low spot?

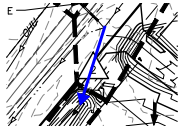


Subject: Arrow
Page Index: 124
Date: 9/9/2021 8:58:18 PM
Author: dsdrice
Color: ■
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Space:
Page Label: 124

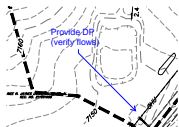


Subject: Callout
Page Index: 125
Date: 9/10/2021 12:13:42 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 125

Ditch flows should be conveyed to the new ditch - is a berm needed?

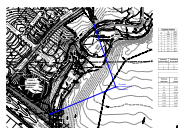


Subject: Arrow
Page Index: 125
Date: 9/9/2021 9:01:49 AM
Author: dsdrice
Color: ■
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Space:
Page Label: 125



Subject: Callout
Page Index: 125
Date: 9/9/2021 8:53:25 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 125

Provide DP (verify flows)



Subject: Callout
Page Index: 125
Date: 9/10/2021 10:20:41 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 125

Provide rundown/outlet protection



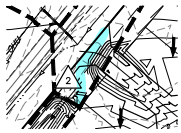
Subject: Callout
Page Index: 125
Date: 9/10/2021 10:23:15 AM
Author: dsdrice
Color: ■
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Space:
Page Label: 125


Provide swale cross-sections, grades



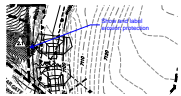
Subject: Callout
Page Index: 125
Date: 9/10/2021 10:24:04 AM
Author: dsdrice
Color: ■
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Space:
Page Label: 125


Do not show curb and gutter on grading



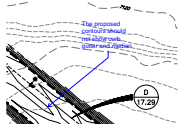
Subject:
Page Index: 125
Date: 9/10/2021 12:13:21 PM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 125


126 (6)



Subject: Callout
Page Index: 126
Date: 9/9/2021 9:04:28 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 126


Show and label erosion protection



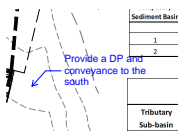
Subject: Callout
Page Index: 126
Date: 9/9/2021 9:05:18 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 126


The proposed contours should not show curb, gutter and median



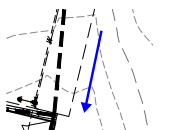
Subject: Callout
Page Index: 126
Date: 9/9/2021 9:05:59 AM
Author: dsdrice
Color: 
Layer:
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Page Label: 126


Provide outlet protection

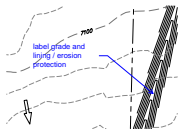


Subject: Callout
Page Index: 126
Date: 9/9/2021 9:07:07 AM
Author: dsdrice
Color: 
Layer:
Space:
Page Label: 126

Provide a DP and conveyance to the south



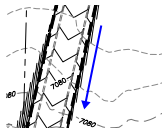
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Page Index: 126
Date: 9/9/2021 9:07:18 AM
Author: dsdrice
Color: 
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Page Label: 126



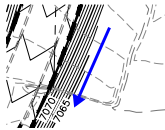
Subject: Callout
Page Index: 126
Date: 9/9/2021 9:11:14 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 126

label grade and lining / erosion protection

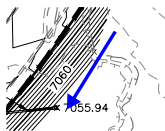
127 (8)



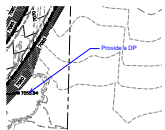
Subject: Arrow
Page Index: 127
Date: 9/9/2021 9:07:48 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 127



Subject: Arrow
Page Index: 127
Date: 9/9/2021 9:08:01 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 127

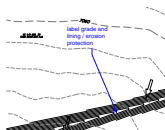


Subject: Arrow
Page Index: 127
Date: 9/9/2021 9:08:26 AM
Author: dsdrice
Color: ■
Layer:
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Page Label: 127



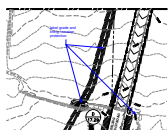
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Date: 9/9/2021 9:08:36 AM
Author: dsdrice
Color: ■
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Space:
Page Label: 127

Provide a DP



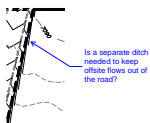
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Page Index: 127
Date: 9/9/2021 9:10:37 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 127

label grade and lining / erosion protection



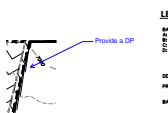
Subject: Callout
Page Index: 127
Date: 9/10/2021 10:34:45 AM
Author: dsdrice
Color: ■
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Space:
Page Label: 127

label grade and lining / erosion protection



Subject: Callout
Page Index: 127
Date: 9/10/2021 10:34:24 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 127

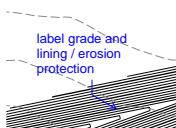
Is a separate ditch needed to keep offsite flows out of the road?



Subject: Callout
Page Index: 127
Date: 9/10/2021 10:35:16 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 127

Provide a DP

128 (3)



Subject: Callout
Page Index: 128
Date: 9/9/2021 9:10:20 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 128

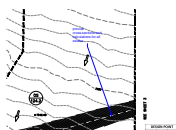
label grade and lining / erosion protection

SEWERAGE/SWALE - SUMMARY TABLE

LINE #	DESCRIPTION	START	END	LENGTH	DIAMETER	DEPTH	VELOCITY	STATUS
1	12" DIA. SWALE	0+00	0+10	10	12"	12"	1.49	OK
2	18" DIA. SWALE	0+10	0+20	10	18"	18"	1.49	OK
3	24" DIA. SWALE	0+20	0+30	10	24"	24"	1.49	OK
4	30" DIA. SWALE	0+30	0+40	10	30"	30"	1.49	OK
5	36" DIA. SWALE	0+40	0+50	10	36"	36"	1.49	OK
6	42" DIA. SWALE	0+50	0+60	10	42"	42"	1.49	OK
7	48" DIA. SWALE	0+60	0+70	10	48"	48"	1.49	OK
8	54" DIA. SWALE	0+70	0+80	10	54"	54"	1.49	OK
9	60" DIA. SWALE	0+80	0+90	10	60"	60"	1.49	OK
10	66" DIA. SWALE	0+90	1+00	10	66"	66"	1.49	OK

Subject: Callout
Page Index: 128
Date: 9/9/2021 9:48:05 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 128

Verify size based on contributing area from east side of SRR



Subject: Callout
Page Index: 128
Date: 9/10/2021 10:36:01 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 128

provide cross-sections and calculations for all swales

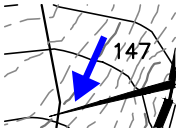


Subject: Callout
Page Index: 130
Date: 9/9/2021 12:53:26 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 130

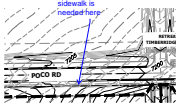
Label and show required easements



Subject: Arrow
Page Index: 130
Date: 9/9/2021 12:56:50 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 130



Subject: Arrow
Page Index: 130
Date: 9/9/2021 12:57:33 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 130



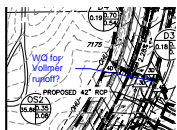
Subject: Callout
Page Index: 130
Date: 9/9/2021 1:04:28 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 130

sidewalk is needed here



Subject: Callout
Page Index: 130
Date: 9/10/2021 12:14:53 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 130

Remove culvert?



Subject: Callout
Page Index: 130
Date: 9/10/2021 12:15:58 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 130

WQ for Vollmer runoff?



Subject: Callout
Page Index: 130
Date: 9/10/2021 12:18:45 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 130

Is berm needed?



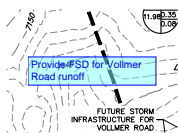
Subject: Callout
Page Index: 130
Date: 9/10/2021 12:20:18 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 130

revise based on existing conditions

131 (7)

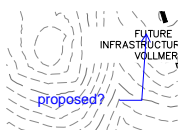


Subject:
Page Index: 131
Date: 9/9/2021 1:10:00 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 131



Subject: Text Box
Page Index: 131
Date: 9/9/2021 1:11:08 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 131

Provide FSD for Vollmer Road runoff



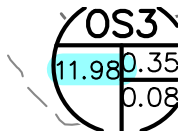
Subject: Callout
Page Index: 131
Date: 9/9/2021 1:11:25 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 131

proposed?



Subject: Callout
Page Index: 131
Date: 9/9/2021 8:54:56 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 131

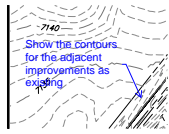
Verify flows and sub-basin



Subject:
Page Index: 131
Date: 9/10/2021 1:06:32 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 131



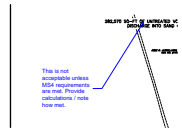
Subject:
Page Index: 131
Date: 9/10/2021 1:06:37 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 131



Subject: Callout
Page Index: 131
Date: 9/10/2021 1:11:08 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 131

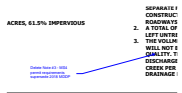
Show the contours for the adjacent improvements as existing

132 (2)



Subject: Callout
Page Index: 132
Date: 9/9/2021 1:15:56 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 132

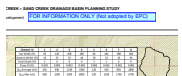
This is not acceptable unless MS4 requirements are met. Provide calculations / note how met.



Subject: Callout
Page Index: 132
Date: 9/9/2021 1:15:05 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 132

Delete Note #3 - MS4 permit requirements supersede 2018 MDDP

137 (1)



Subject: Text Box
Page Index: 137
Date: 9/9/2021 1:19:56 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 137

FOR INFORMATION ONLY (Not adopted by EPC)