ENG-SP20003-R4-PDR.pdf Markup Summary

1 (2)

Subject: EPC ENG Review
Page Index: 1
Date: 7/12/2021 2:25:24 PM
Author: dsdrice
Color: ■
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Space:
Page Label: 1

Subject: Text Box
Page Index: 1
Date: 7/12/2021 2:25:36 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 1

See comment letter also

8 (2)

Subject:
Page Index: 8
Date: 7/11/2021 5:57:55 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 8

open
space and sidewalk

Subject: Callout
Page Index: 8
Date: 7/12/2021 8:10:56 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 8

Sterling Ranch Road?

9 (3)

Subject:
Page Index: 9
Date: 7/12/2021 8:17:15 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 9

open
space

Subject: Callout
Page Index: 9
Date: 7/12/2021 8:18:01 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 9

roads and rear yards of

Subject: Text Box
Page Index: 9
Date: 7/12/2021 8:48:43 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 9

Any flows over the inlet capacity will sheet flow to Ennis Dr. (?)

---

10 (1)

Subject: Text Box
Page Index: 10
Date: 7/12/2021 9:11:42 AM
Author: dsdrice
Color: ■
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Space:
Page Label: 10

Provide discussion of design points, inlets and pipes.

---

12 (1)

Subject: Cloud+
Page Index: 12
Date: 7/12/2021 9:10:55 AM
Author: dsdrice
Color: ■
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Space:
Page Label: 12

Address ECM Step 4: "Consider Need for Industrial and Commercial BMPs" - If there are not proposed commercial or industrial uses on this site, state that.

---

35 (1)

Subject: Text Box
Page Index: 35
Date: 7/12/2021 9:18:54 AM
Author: dsdrice
Color: ■
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Space:
Page Label: 35

Delete?

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36 (1)

Subject: Text Box
Page Index: 36
Date: 7/12/2021 9:19:13 AM
Author: dsdrice
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Space:
Page Label: 36

Delete?

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49 (2)

Subject: Text Box
Page Index: 49
Date: 7/12/2021 10:26:28 AM
Author: dsdrice
Color: ■
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Space:
Page Label: 49

If this is intentional provide the overflow conveyance design and show on the drainage plan. Add a short description on this sheet.

Depth for Total Interception
Depth for Curb Opening Weir Equation
Combination Inlet Performance Reduction Factor for Long Inlets
Curb Opening Performance Reduction Factor for Long Inlets
Grated Inlet Performance Reduction Factor for Long Inlets

Total Inlet Interception Capacity (assumes clogged condi
WARNING Inlet Capacity less than Q Peak for Major Storm

Subject:
Page Index: 49
Date: 7/12/2021 10:25:56 AM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 49

: Inlet Capacity less than Q Peak for Major Storm

---

72 (2)

Scenario: 100 Year

Interim condition?

Subject: Text Box
Page Index: 72
Date: 7/12/2021 10:23:25 AM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 72

Interim condition?

Also provide final
condition
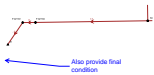
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Page Index: 72
Date: 7/12/2021 10:23:40 AM
Author: dsdrice
Color:
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Space:
Page Label: 72

Also provide final condition

---

74 (6)

30.88
10.65
22.47
5.77
11.16

Subject:
Page Index: 74
Date: 7/12/2021 9:48:58 AM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 74

22.47

10.58
12.83
10.66
30.88
10.65

Subject:
Page Index: 74
Date: 7/12/2021 9:49:00 AM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 74

10.66

5.77
11.16
22.73
22.46

Subject:
Page Index: 74
Date: 7/12/2021 9:49:11 AM
Author: dsdrice
Color:
Layer:
Space:
Page Label: 74

22.73

11.16
22.73
22.46

Subject:
Page Index: 74
Date: 7/12/2021 9:49:13 AM
Author: dsdrice
Color: ■
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Space:
Page Label: 74

22.46

Subject: Callout
Page Index: 74
Date: 7/12/2021 9:49:30 AM
Author: dsdrice
Color: ■
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Space:
Page Label: 74

Capacities less than flows

Capacities less than flows

Provide calculations for the "C" basins also - inlets 5 and 6 to MH7.1 and DP4 to MH7.1

Subject: Text Box
Page Index: 74
Date: 7/12/2021 10:33:24 AM
Author: dsdrice
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Space:
Page Label: 74

Provide calculations for the "C" basins also - inlets 5 and 6 to MH 7.1 and DP4 to MH7.1.

---

81 (1)

Label this (Barbarick pond...?)

Worksheet for FSD Outlet Orifice Plate
Description
Dimen

Subject: Text Box
Page Index: 81
Date: 7/12/2021 9:52:33 AM
Author: dsdrice
Color: ■
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Space:
Page Label: 81

Label this (Barbarick pond...?)

---

82 (1)

Label this (Barbarick pond...?)

Worksheet for FSD Overflow - Pass
Description
Dschxe

Subject: Text Box
Page Index: 82
Date: 7/12/2021 9:52:50 AM
Author: dsdrice
Color: ■
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Space:
Page Label: 82

Label this (Barbarick pond...?)

---

83 (1)

Duplicate?

Subject: Text Box
Page Index: 83
Date: 7/12/2021 9:53:25 AM
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Page Label: 83

Duplicate?

Subject: Cloud+
Page Index: 88
Date: 7/12/2021 8:21:42 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 88

A detail of this area will be needed. Verify no conflicts with the existing utilities.
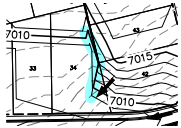
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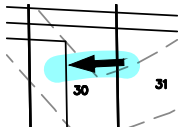
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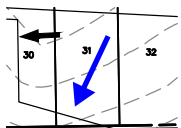
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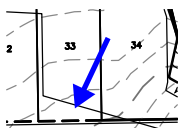
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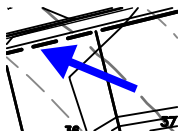
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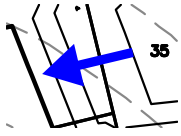
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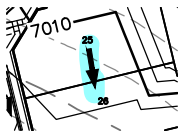
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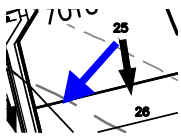
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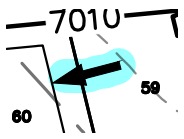
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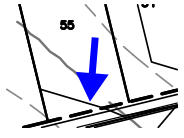
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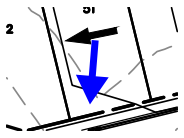
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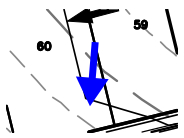
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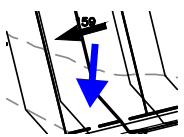
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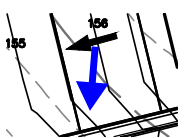
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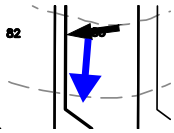
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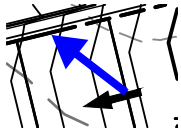
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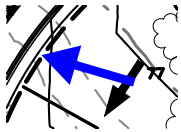
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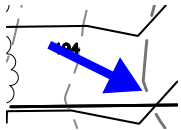
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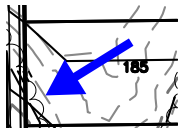
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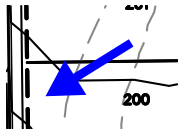
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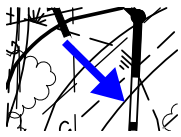
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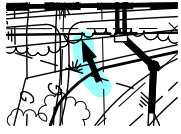
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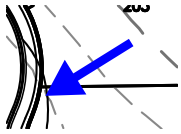
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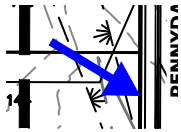
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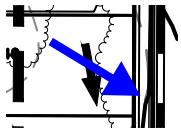
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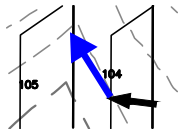
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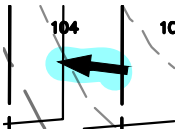
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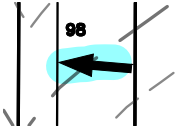
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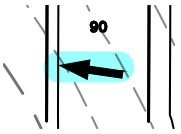
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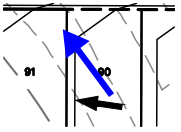
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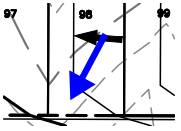
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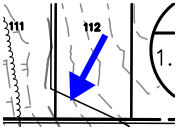
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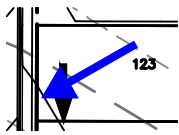
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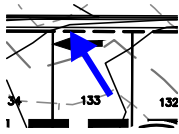
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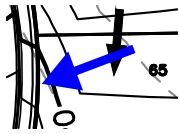
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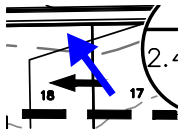
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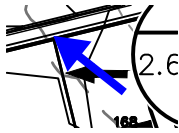
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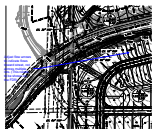
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Page Label: 88

Adjust flow arrows to indicate flows toward street, not across multiple lots. (This needs to be shown on the FDR)
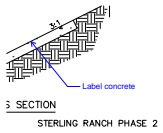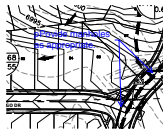
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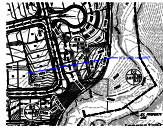
Subject: Callout
Page Index: 88
Date: 7/12/2021 2:24:56 PM
Author: dsdrice
Color: ■
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Space:
Page Label: 88

Is a wall needed?

Subject: Callout
Page Index: 88
Date: 7/12/2021 2:31:13 PM
Author: dsdrice
Color: ■
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Space:
Page Label: 88

pPovide manholes as appropriate.

89 (1)
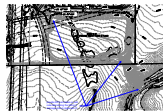
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Date: 7/12/2021 10:07:14 AM
Author: dsdrice
Color: ■
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Page Label: 89

provide DPs and table or add note referencing the Filing 2 drainage plan in Appendix D

90 (1)

Subject: Text Box
Page Index: 90
Date: 7/12/2021 10:04:52 AM
Author: dsdrice
Color: ■
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Space:
Page Label: 90

Add the plan that was previously included with the PBMP Applicability Form