ENG-SP20003-R3-PDR-redlines.pdf Markup Summary

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1 (2)

Subject: EPC ENG Review
Page Index: 1
Date: 4/6/2021 9:18:29 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 1

Subject: Text Box
Page Index: 1
Date: 4/6/2021 9:18:51 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 1

See comment letter also.

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5 (1)

Subject:
Page Index: 5
Date: 4/5/2021 3:36:59 PM
Author: dsdrice
Color: ▢
Layer:
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Page Label: 5

MMD

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7 (10)

Subject: Callout
Page Index: 7
Date: 4/5/2021 8:29:50 PM
Author: dsdrice
Color: ■
Layer:
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Page Label: 7

basin?

Subject: Callout
Page Index: 7
Date: 4/5/2021 8:29:57 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 7

15?

Subject: Callout
Page Index: 7
Date: 4/5/2021 8:31:16 PM
Author: dsdrice
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Page Label: 7

17?

cal road. Runoff from th
st corner of the site, in
basin?
ercent impervious is cor

Subject: Callout
Page Index: 7
Date: 4/5/2021 8:31:36 PM
Author: dsdrice
Color: ■
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Page Label: 7

basin?

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family residen
design point 2
upstream flow:
bypass?
Basin A3 (Q₅=
family residen
design point 3

Subject: Callout
Page Index: 7
Date: 4/5/2021 8:36:54 PM
Author: dsdrice
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bypass?

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sidential lots and a loca
int 3 in confluence with
20?
(Q₅= 5.5cfs, Q₁₀₀=11.)
sidential lots, open spac

Subject: Callout
Page Index: 7
Date: 4/5/2021 8:38:48 PM
Author: dsdrice
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Page Label: 7

20?

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in A2 (Q₅: 1.6cfs, Q₁₀₀=4.0cfs) is 1.41 acres and 31 percent impervious
tly residential lots, open space, several trails, and a local road. Runoff
sign point 2, a type R on grade inlet on the southwest corner of the
ream flows from basin A1.
in A3 (Q₅: 6.8cfs, Q₁₀₀=14.6cfs) is 3.68 acres and 65 percent impervious
tly residential lots and a local road. Runoff from this basin drains to an
ign point 3 in confluence with upstream flows from basin A9.
in A4 (Q₅: 5.5cfs, Q₁₀₀=11.3cfs) is 2.71 acres and 73 percent impervious
tly residential lots, open space a local road and two urban knuckles. Run
a sump type R inlet located at design point 4 in confluence with upstrea
, A3, and A9.

Subject:
Page Index: 7
Date: 4/5/2021 8:39:43 PM
Author: dsdrice
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Page Label: 7

in confluence with upstream flows from basin A9.

---

oad and two urban knuckles. F
int 4 in confluence with upst
22?

Subject: Callout
Page Index: 7
Date: 4/5/2021 8:41:09 PM
Author: dsdrice
Color: ■
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Page Label: 7

22?

---

d two urban knuckles. Runoff from
in confluence with upstream flows
bypass?

Subject: Callout
Page Index: 7
Date: 4/5/2021 8:43:23 PM
Author: dsdrice
Color: ■
Layer:
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Page Label: 7

bypass?

type R in

nd A9.

Subject:
Page Index: 7
Date: 4/5/2021 8:43:44 PM
Author: dsdrice
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Page Label: 7

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8 (13)

drains to a swale on we
nt 29
— 25?

npervious is comprised
sheet flows to the so

Subject: Callout
Page Index: 8
Date: 4/5/2021 8:47:27 PM
Author: dsdrice
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Page Label: 8

25?

---

ily residential lots a
nt 5.
— 16?

sin A6 (Q_5= 15.3cf
gle-family residentia

Subject: Callout
Page Index: 8
Date: 4/5/2021 8:49:22 PM
Author: dsdrice
Color: ■
Layer:
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Page Label: 8

16?

Basin A6 (Q_5= 1.
single-family resid
design point 6 in c
19? —
Basin A7 (Q_5= 3.
family residential
located at design p

Subject: Callout
Page Index: 8
Date: 4/5/2021 8:51:13 PM
Author: dsdrice
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Page Label: 8

19?

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73 percent impervious is
basin drains to an on gra
s A5, A10, and A6.1

ercent impervious is comp

Subject:
Page Index: 8
Date: 4/5/2021 8:52:43 PM
Author: dsdrice
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Page Label: 8

, A10, and A6.1

---

ts and local roads. Th
int 7 in confluence with
— 21?
fs, Q_{100}=9.1cfs) 4.22 a
ts and open space. The

Subject: Callout
Page Index: 8
Date: 4/5/2021 8:53:32 PM
Author: dsdrice
Color: ■
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Page Label: 8

21?

ids. Runoff from this basi
ream flows from basins A5
— pipe
1.43 acres and 75 percer
s. The Runoff from this l

Subject: Callout
Page Index: 8
Date: 4/5/2021 8:54:03 PM
Author: dsdrice
Color: ■
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Page Label: 8

pipe

A10, and A6.1

impervious is comprised of single
basin drains to a sump type R inlet
basins A5, A10, A6.1 and A6.1.

impervious is comprised of a single
drains to a swale on western side of

Subject:
Page Index: 8
Date: 4/5/2021 8:54:36 PM
Author: dsdrice
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Page Label: 8

A5, A10, A6.1 and A6.1

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f from this basin drain
int 8.
— 24?
and 8 percent imperv
f from this basin drain

Subject: Callout
Page Index: 8
Date: 4/5/2021 8:56:19 PM
Author: dsdrice
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Page Label: 8

24?

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en space.
int 27.

Subject: Highlight
Page Index: 8
Date: 4/5/2021 8:58:53 PM
Author: dsdrice
Color: ■
Layer:
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Page Label: 8

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uckles, and a cul-de
int 1B.
— 13?
s and 73 percent imp
ains to a type R sum

Subject: Callout
Page Index: 8
Date: 4/5/2021 9:00:38 PM
Author: dsdrice
Color: ■
Layer:
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Page Label: 8

13?

Basin B2 (Q_5= 9.1cfs,
family residential lots.
2B— 12?
Basin B3 (Q_5= 1.4cfs,
space and sidewalk. Ru

Subject: Callout
Page Index: 8
Date: 4/5/2021 9:01:17 PM
Author: dsdrice
Color: ■
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Page Label: 8

12?

Subject: Callout
Page Index: 8
Date: 4/5/2021 9:03:50 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 8

adjust plan location?

Subject: Highlight
Page Index: 8
Date: 4/5/2021 9:09:06 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 8

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9 (9)

Subject: Callout
Page Index: 9
Date: 4/5/2021 9:20:09 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 9

4?

Subject:
Page Index: 9
Date: 4/5/2021 9:21:20 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 9

14.

Subject:
Page Index: 9
Date: 4/5/2021 9:21:36 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 9

13

Subject:
Page Index: 9
Date: 4/5/2021 9:22:29 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 9

12.

Subject:
Page Index: 9
Date: 4/5/2021 9:24:01 PM
Author: dsdrice
Color: ▨
Layer:
Space:
Page Label: 9

0

Subject: Callout
Page Index: 9
Date: 4/5/2021 9:24:53 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 9

southwest and (?)

Subject: Callout
Page Index: 9
Date: 4/5/2021 9:28:58 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 9

adjacent properties and

Subject:
Page Index: 9
Date: 4/5/2021 9:30:51 PM
Author: dsdrice
Color: ▨
Layer:
Space:
Page Label: 9

9

Subject: Callout
Page Index: 9
Date: 4/5/2021 9:43:48 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 9

Address proposed conveyance sizes and
emergency overflow paths

Subject: Text Box
Page Index: 10
Date: 4/5/2021 9:13:34 PM
Author: dsdrice
Color: ■
Layer:
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Page Label: 10

Provide discussion of design points, inlets and
pipes.

Subject: Callout
Page Index: 10
Date: 4/5/2021 9:18:21 PM
Author: dsdrice
Color: ■
Layer:
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Page Label: 10

1?

Subject: Text Box
Page Index: 10
Date: 4/5/2021 9:19:02 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 10

Address the eastern portion of the basin.

Subject: Highlight
Page Index: 10
Date: 4/5/2021 9:29:59 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 10

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12 (2)

Subject:
Page Index: 12
Date: 4/5/2021 9:14:34 PM
Author: dsdrice
Color: ■
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Page Label: 12

e MMDP

Subject: Cloud+
Page Index: 12
Date: 4/5/2021 9:16:05 PM
Author: dsdrice
Color: ■
Layer:
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Page Label: 12

Address ECM Step 4

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17 (1)
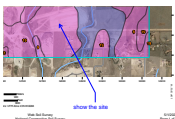
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Page Index: 17
Date: 4/5/2021 9:35:29 PM
Author: dsdrice
Color: ■
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Page Label: 17

show the site

39 (3)

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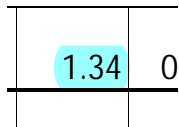
Subject:
Page Index: 39
Date: 4/5/2021 9:37:15 PM
Author: dsdrice
Color: ▪
Layer:
Space:
Page Label: 39

1.34

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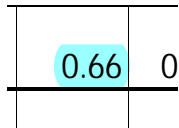
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Date: 4/5/2021 9:37:35 PM
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Space:
Page Label: 39

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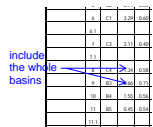
Subject: Callout
Page Index: 39
Date: 4/5/2021 9:38:36 PM
Author: dsdrice
Color: ▪
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Space:
Page Label: 39

include the whole basins

41 (2)

Subject: Highlight
Page Index: 41
Date: 4/5/2021 9:41:55 PM
Author: dsdrice
Color: ▪
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Page Label: 41

Extension for Autodesk® AutoCAD® Civil 3

nt 8, Q100 = 3.7CFS
— inlet?
z:1)   = 4.00, 4.00
t)   = 2.00
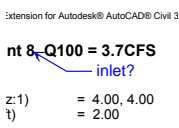
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Page Index: 41
Date: 4/5/2021 9:44:46 PM
Author: dsdrice
Color: ▪
Layer:
Space:
Page Label: 41

inlet?

42 (1)

int 8, Q

Subject:
Page Index: 42
Date: 4/5/2021 9:54:00 PM
Author: dsdrice
Color: ▪
Layer:
Space:
Page Label: 42

8

Subject: Text Box
Page Index: 43
Date: 4/5/2021 9:45:42 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 43

(not checked from here on)

Subject:
Page Index: 43
Date: 4/5/2021 9:53:52 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 43

t 12

Subject: Text Box
Page Index: 44
Date: 4/5/2021 9:47:08 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 44

Provide inlet, culvert and pipe calculations.
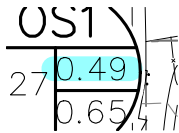
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Page Index: 50
Date: 4/5/2021 3:56:11 PM
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Space:
Page Label: 50
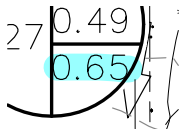
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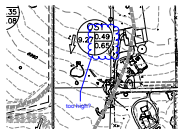
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Page Index: 50
Date: 4/5/2021 3:56:31 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 50

too high?

Subject: Text Box
Page Index: 50
Date: 4/5/2021 9:05:53 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 50

Also provide DP summary

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51 (18)

Subject: Callout
Page Index: 51
Date: 4/5/2021 10:00:21 PM
Author: dsdrice
Color: ■
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Page Label: 51

bank stabilization?
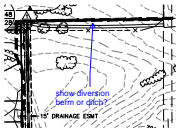
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Page Index: 51
Date: 4/5/2021 3:58:58 PM
Author: dsdrice
Color: ■
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Page Label: 51

show diversion berm or ditch?
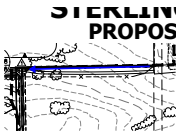
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Date: 4/5/2021 3:59:22 PM
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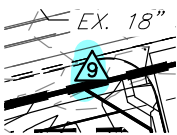
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Page Index: 51
Date: 4/5/2021 9:03:26 PM
Author: dsdrice
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Page Label: 51

Subject: Text Box
Page Index: 51
Date: 4/5/2021 9:05:09 PM
Author: dsdrice
Color: ■
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Page Label: 51

Also provide DP summary
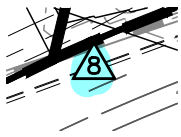
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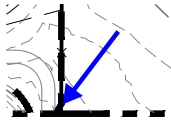
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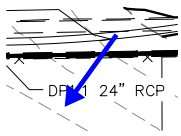
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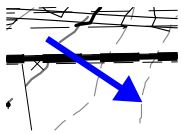
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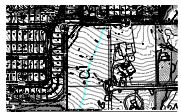
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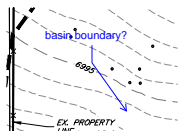
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Page Index: 51
Date: 4/5/2021 9:28:15 PM
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Color: 🟦
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Page Label: 51

basin boundary?
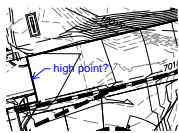
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Date: 4/5/2021 9:32:20 PM
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high point?
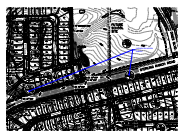
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Page Index: 51
Date: 4/5/2021 9:33:44 PM
Author: dsdrice
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Page Label: 51

include the whole basins
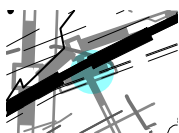
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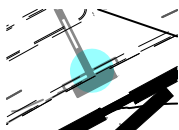
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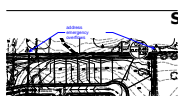
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Date: 4/5/2021 9:41:31 PM
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Color: ■
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Page Label: 51

address emergency overflows
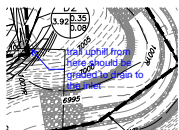
Subject: Callout
Page Index: 51
Date: 4/5/2021 9:58:36 PM
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Color: ■
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Page Label: 51

trail uphill from here should be graded to drain to the inlet
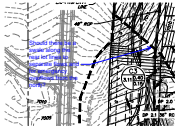
Subject: Callout
Page Index: 51
Date: 4/6/2021 2:23:35 PM
Author: dsdrice
Color: ■
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Page Label: 51

Should there be a swale along the rear lot lines to separate flows and for emergency overflows from the north?
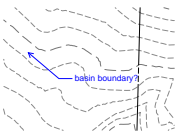
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52 (3)

Subject: Callout
Page Index: 52
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Author: dsdrice
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Page Label: 52

provide DPs and table

Subject:
Page Index: 52
Date: 4/5/2021 9:26:24 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 52

Subject: Callout
Page Index: 52
Date: 4/5/2021 9:26:48 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 52

basin boundary?