

ENG-PUDSP20005-R2-PDR-redlines.pdf Markup Summary

1 (2)



Subject: EPC ENG Review
Page Index: 1
Date: 2/2/2021 8:40:21 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 1

[See comment letter also](#)

Subject: Text Box
Page Index: 1
Date: 2/2/2021 8:40:27 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 1

See comment letter also

4 (4)

Preliminary Drainage Report is to identify or downstream drainage features and facilities. [MDDP](#) will be needed and where they will be with the [previously approved MDDP](#) for the

scription
e-family residential development located in located in the Northwest ¼ and Southwest

Subject:
Page Index: 4
Date: 2/2/2021 8:42:14 AM
Author: dsdrice
Color: ■
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Page Label: 4

previously approved MDDP

[not found?](#)
Drainage Report is to identify or downstream drainage features and facilities. [MDDP](#) will be needed and where they will be with the [previously approved MDDP](#) for the

Subject: Callout
Page Index: 4
Date: 2/2/2021 8:42:30 AM
Author: dsdrice
Color: ■
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not found?

[provide revised MDDP](#)
Drainage Report is to identify or downstream drainage features and facilities. [MDDP](#) will be needed and where they will be with the [previously approved MDDP](#) for the

Subject: Callout
Page Index: 4
Date: 2/2/2021 8:44:59 AM
Author: dsdrice
Color: ■
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Page Label: 4


provide revised MDDP

[Revision in Progress per Meridian Road Intersection Comments](#)
Drainage Report is to identify or downstream drainage features and facilities. [MDDP](#) will be needed and where they will be with the [previously approved MDDP](#) for the

Subject:
Page Index: 4
Date: 2/2/2021 8:45:17 AM
Author: dsdrice
Color: ■
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Page Label: 4


, Revision in Progress per Meridian Road Intersection Comments

Basin C-1 (9 Sarin Trail, not from each lot flows to DP 1

Subject: Callout
Page Index: 10
Date: 2/2/2021 11:17:43 AM
Author: dsdrice
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Page Label: 10


doesn't match grading

(1.35 AC, Q5 = 4. If of Sarin Trail. Rountable curb and let where it will be

Subject:
Page Index: 10
Date: 2/2/2021 11:43:04 AM
Author: dsdrice
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Page Label: 10


Sarin Tra

een Sarin Trail & the proposed us will then enter

Subject:
Page Index: 10
Date: 2/2/2021 11:43:11 AM
Author: dsdrice
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Page Label: 10


Sarin Tra

1 C-4 (4.34 AC, C een Sarin Trail & wav & Company. In


Subject:
Page Index: 10
Date: 2/2/2021 11:43:22 AM
Author: dsdrice
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Page Label: 10

Sarin Trai

ween Sarin Trail & Bent Galloway & Company, Inc. Sarin Trail is now Henzlee Place?

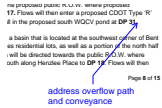
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Page Index: 10
Date: 2/2/2021 11:43:29 AM
Author: dsdrice
Color: 
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Space:
Page Label: 10

Sarin Tra

Subject: Text Box
Page Index: 10
Date: 2/2/2021 11:44:18 AM
Author: dsdrice
Color: 
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Page Label: 10

Sarin Trail is now Henzlee Place?

11 (1)



Subject: Callout
Page Index: 11
Date: 2/2/2021 11:07:06 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 11

address overflow path and conveyance

12 (1)



Subject: Callout
Page Index: 12
Date: 2/2/2021 12:34:47 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 12

Describe in general - design points, materials, etc.

13 (7)



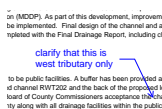
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Page Index: 13
Date: 2/2/2021 10:05:34 AM
Author: dsdrice
Color: ■
Layer:
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Page Label: 13

e Master Development Drainage Plan for Bent Grass Residential Subdivision (MDDP



Subject: Callout
Page Index: 13
Date: 2/2/2021 10:05:50 AM
Author: dsdrice
Color: ■
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Page Label: 13

we need this now



Subject: Callout
Page Index: 13
Date: 2/2/2021 10:06:53 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 13

clarify that this is west tributary only



Subject: Cloud+
Page Index: 13
Date: 2/2/2021 10:10:20 AM
Author: dsdrice
Color: ■
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Page Label: 13

This needs to be district or HOA, not individual lot owners.

provide proposed details
ents
es of Grouted Sloping Boulder Drops with
all outfalls from the site into the channel to

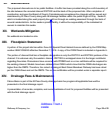
Subject: Callout
Page Index: 13
Date: 2/2/2021 12:35:41 PM
Author: dsdrice
Color: ■
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Page Label: 13

provide proposed details

including channel grading, drop/check
are anticipated to
n provided along the north boundary of
a proposed lots. After completion of
ance the channel will be owned and
with the public Right-of-Way. Swale D,
isting easement through the back of

Subject: Cloud+
Page Index: 13
Date: 2/2/2021 12:36:24 PM
Author: dsdrice
Color: ■
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Page Label: 13

are anticipated to



Subject: Callout
Page Index: 13
Date: 2/2/2021 12:37:14 PM
Author: dsdrice
Color: ■
Layer:
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Page Label: 13

Address Tract J swale

14 (2)



Subject:
Page Index: 14
Date: 2/2/2021 9:22:11 AM
Author: dsdrice
Color: ■
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Page Label: 14

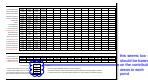
All of the channel corridors are proposed to be publicly owned and maintained and shall be the responsibility of El Paso County.

West residential subdivision lies within the West Tributary of the Falls
area as made within the report to establish and maintain multiple
all site. Water quality for the site is provided in two on-site WQCY and
drainage facilities within the report were stated according to the El Paso
all. All of the channel corridors are proposed to be publicly owned and
maintained by El Paso County. The new WQCY ponds and all the site
as needed. A Final Drainage Report will be submitted along with the
plans.

Subject: Callout
Page Index: 14
Date: 2/2/2021 9:23:02 AM
Author: dsdrice
Color: ■
Layer:
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Page Label: 14

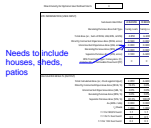
clarify that this is only the west tributary

33 (3)



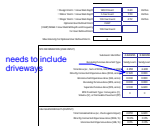
Subject: Cloud+
Page Index: 33
Date: 2/2/2021 1:12:05 PM
Author: dsdrice
Color: ■
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Space:
Page Label: 33

this seems low - should be based on the contributing areas to each pond.



Subject: Callout
Page Index: 33
Date: 2/2/2021 2:55:39 PM
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Color: ■
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Page Label: 33

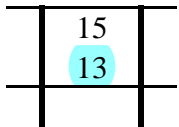
Needs to include houses, sheds, patios



Subject: Callout
Page Index: 33
Date: 2/2/2021 2:55:48 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 33

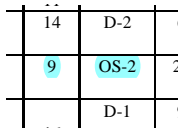
needs to include driveways

46 (8)



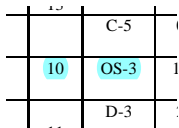
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Date: 2/2/2021 3:27:53 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 46

13



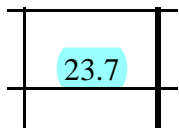
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Page Index: 46
Date: 2/2/2021 3:32:52 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 46

9 OS-2



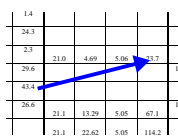
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Date: 2/2/2021 3:32:57 PM
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Page Label: 46

10 OS-3

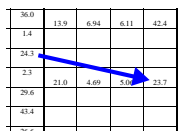


Subject:
Page Index: 46
Date: 2/2/2021 3:34:20 PM
Author: dsdrice
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Page Label: 46

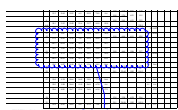
23.7



Subject: Arrow
Page Index: 46
Date: 2/2/2021 3:34:51 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 46

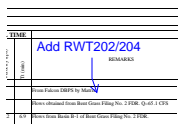


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Page Index: 46
Date: 2/2/2021 3:35:02 PM
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Color: ■
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Space:
Page Label: 46



Subject: Cloud+
Page Index: 46
Date: 2/2/2021 3:35:49 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 46

verify plan and routing



Subject: Callout
Page Index: 46
Date: 2/2/2021 3:52:16 PM
Author: dsdrice
Color: ■
Layer:
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Page Label: 46

Add RWT202/204

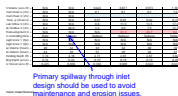
50 (1)

Not checked with this review. Provide all inlet calculations.

Subject: Text Box
Page Index: 50
Date: 2/2/2021 3:54:06 PM
Author: dsdrice
Color: ■
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Page Label: 50

Not checked with this review. Provide all inlet calculations.

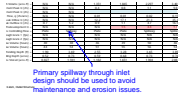
57 (1)



Subject: Callout
Page Index: 57
Date: 2/2/2021 3:59:41 PM
Author: dsdrice
Color: ■
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Page Label: 57

Primary spillway through inlet design should be used to avoid maintenance and erosion issues.

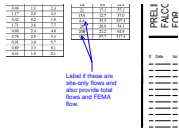
62 (1)



Subject: Callout
Page Index: 62
Date: 2/2/2021 4:03:00 PM
Author: dsdrice
Color: ■
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Page Label: 62

Primary spillway through inlet design should be used to avoid maintenance and erosion issues.

66 (2)



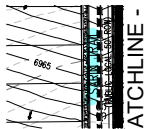
Subject: Callout
Page Index: 66
Date: 2/2/2021 4:06:23 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 66

Label if these are site-only flows and also provide total flows and FEMA flow.

M	2.7	4.7
7	5.2	35.4
8	2.8	18.9
9	9.0	43.4
10	4.7	22.7
11	15.9	81.5
12	15.1	65.1
15	3.6	22.4
21	17.1	57.1
15A	12.5	37.0
AA	55.5	297.4

Subject:
Page Index: 66
Date: 2/2/2021 9:57:00 AM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 66

67 (2)



Subject:
Page Index: 67
Date: 2/2/2021 11:41:34 AM
Author: dsdrice
Color: ■
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Page Label: 67

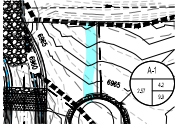
Add an overall sub-basin plan with minimal labeling, at the same scale as Existing plan. This can be with the WQVC/MS4 plan information (color-coded or hatched treated/untreated areas preferable).

68 (4)

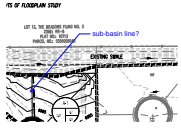


Subject: Text Box
Page Index: 68
Date: 2/2/2021 11:08:37 AM
Author: dsdrice
Color: ■
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Page Label: 68

Label lot numbers and tracts

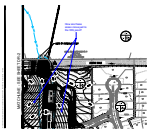


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 Page Index: 68
 Date: 2/2/2021 11:16:00 AM
 Author: dsdrice
 Color: ■
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 Space:
 Page Label: 68



Subject: Callout
 Page Index: 68
 Date: 2/2/2021 11:16:15 AM
 Author: dsdrice
 Color: ■
 Layer:
 Space:
 Page Label: 68

sub-basin line?



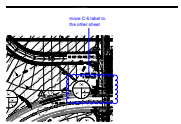
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 Page Label: 68

How are these areas conveyed to the WQ pond?

69 (15)

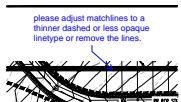
9.0	43.4
4.7	24.3
5.3	23.7
4.1	9.0
19.8	42.4
14.3	29.6
16.9	36.0

Subject:
 Page Index: 69
 Date: 2/2/2021 10:02:58 AM
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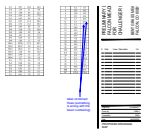
Subject: Cloud+
 Page Index: 69
 Date: 2/2/2021 10:49:12 AM
 Author: dsdrice
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 Page Label: 69

move C-5 label to the other sheet



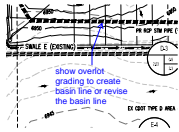
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 Page Index: 69
 Date: 2/2/2021 10:49:17 AM
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 Page Label: 69

please adjust matchlines to a thinner dashed or less opaque linetype or remove the lines.



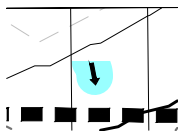
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Page Index: 69
Date: 2/2/2021 10:53:25 AM
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Page Label: 69

label combined flows (something is wrong with the basin numbering)

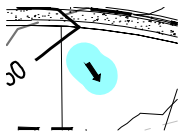


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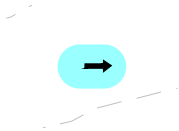
show overlot grading to create basin line or revise the basin line



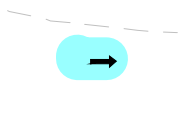
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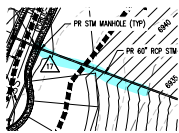
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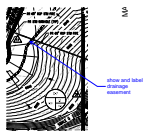
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Date: 2/2/2021 10:59:07 AM
Author: dsdrice
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Subject:
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Layer:
Space:
Page Label: 69

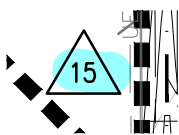


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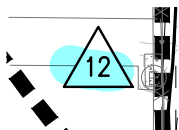


Subject: Callout
Page Index: 69
Date: 2/2/2021 12:02:17 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 69

show and label drainage easement



Subject:
Page Index: 69
Date: 2/2/2021 3:32:10 PM
Author: dsdrice
Color: ■
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Page Label: 69

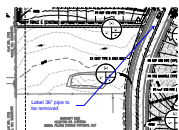


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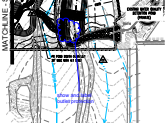
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Page Index: 69
Date: 2/2/2021 3:38:20 PM
Author: dsdrice
Color: ■
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Page Label: 69

size?



Subject: Callout
Page Index: 69
Date: 2/2/2021 4:08:26 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: 69

Label 36" pipe to be removed



Subject: Cloud+
Page Index: 70
Date: 2/2/2021 4:09:28 PM
Author: dsdrice
Color: ■
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Space:
Page Label: 70

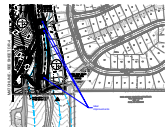
show and label outlet protection

500	31.3	66.9
500	100.0	100.0

Add note calling out total model flows and FEMA flow.

Subject: Callout
Page Index: 70
Date: 2/2/2021 4:10:33 PM
Author: dsdrice
Color: ■
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Space:
Page Label: 70

Add note calling out total model flows and FEMA flow.



Subject: Callout
Page Index: 70
Date: 2/2/2021 4:15:55 PM
Author: dsdrice
Color: ■
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Space:
Page Label: 70

label improvements