


ENG-SF19004-R4-FDR-Redlines. Summary_Markup Summary


1 (1)

Y. C. ULUKADU
Engineering Review
03/16/2020 12:53:29 PM
steveku@pasocounty.com
(719) 520-6413
EPC Planning & Community
Development Department


Subject: EPC ENG Review
Page Index: 1
Date: 3/16/2020 12:53:29 PM
Author: Steve Kuhster
Color: 
Layer:
Space:
Page Label: 1

9 (3)




Subject: Highlight
Page Index: 9
Date: 3/16/2020 1:14:30 PM
Author: Steve Kuhster
Color: 
Layer:
Space:
Page Label: 9



Subject: Highlight
Page Index: 9
Date: 3/16/2020 1:14:35 PM
Author: Steve Kuhster
Color: 
Layer:
Space:
Page Label: 9

CV and EURV required for the site has been d
ado Springs/El Paso County Drainage Criteri


Indicate where the access
to these individual SFB's
will be provided. etc.

Subject: text box
Page Index: 9
Date: 3/16/2020 1:17:09 PM
Author: Steve Kuhster
Color: 
Layer:
Space:
Page Label: 9

Indicate where the access to these individual
SFB's will be provided. etc.

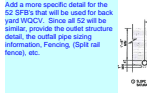
11 (1)

\$26 /LF 43,108.00
Total \$ 449,583.00
for the improvements to the Sand
No.2. Add the sentence: Up to the
amount as shown in the
DBPS or as adjusted
through the Drainage board.
Unit Cost Cost
\$80 /Ton \$31,200.00
5,000 /EA \$375,000.00

Subject: text box
Page Index: 11
Date: 3/17/2020 9:47:15 AM
Author: Steve Kuhster
Color: 
Layer:
Space:
Page Label: 11

Add the sentence; Up to the amount as shown in
the DBPS or as adjusted through the Drainage
board.

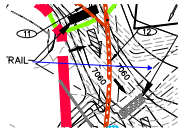
113 (1)



Subject: text box
Page Index: 113
Date: 3/16/2020 9:39:59 AM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: 100

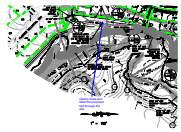
Add a more specific detail for the 52 SFB's that will be used for back yard WQCV. Since all 52 will be similar, provide the outlet structure detail, the outfall pipe sizing information, Fencing, (Split rail fence), etc.

118 (1)



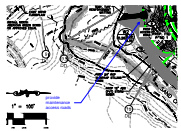
Subject: Arrow
Page Index: 118
Date: 3/16/2020 9:43:32 AM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: [1] SHEET 4

119 (4)



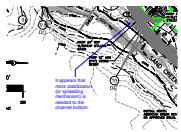
Subject: Callout
Page Index: 119
Date: 3/16/2020 10:00:25 AM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: [1] Homestead Fil. No. 2

Clearly show and label the proposed trail through the site.



Subject: Callout
Page Index: 119
Date: 3/16/2020 10:02:11 AM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: [1] Homestead Fil. No. 2

provide maintenance access roads



Subject: Callout
Page Index: 119
Date: 3/16/2020 10:02:37 AM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: [1] Homestead Fil. No. 2

It appears that more stabilization (or spreading mechanism) is needed to the channel bottom.




Subject: Callout
Page Index: 119
Date: 3/16/2020 10:03:44 AM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: [1] Homestead Fil. No. 2

Will the trail be utilized to access and maintain the SFBs?


ENG-SF19004-R4-SC-CDs-Redlines Summary_Markup Summary

1 (4)


FEBRUARY 2020
AND COMPLETION TIME PERIOD 0
SEPTEMBER 2020
HIGH THE FINAL STABILIZATION

Subject: Highlight
Page Index: 1
Date: 3/16/2020 11:42:10 AM
Author: Steve Kuehster
Color: 
Layer:
Space:
Page Label: GR01

FEBRUARY 2020
AND COMPLETION TIME PERIOD 0
SEPTEMBER 2020
HIGH THE FINAL STABILIZATION WILL
1.54 AC.
SITE TO BE CLEARED, EXCAVATED


Subject: Highlight
Page Index: 1
Date: 3/16/2020 11:42:19 AM
Author: Steve Kuehster
Color: 
Layer:
Space:
Page Label: GR01



Subject: text box
Page Index: 1
Date: 3/16/2020 12:49:54 PM
Author: Steve Kuehster
Color: 
Layer:
Space:
Page Label: GR01


Reference the Plans that show the Construction BMP's, SWMP etc for this work.



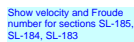
Subject: EPC ENG Review
Page Index: 1
Date: 3/16/2020 12:49:57 PM
Author: Steve Kuehster
Color: 
Layer:
Space:
Page Label: GR01


2 (6)



Subject: text box
Page Index: 2
Date: 3/16/2020 10:37:45 AM
Author: Steve Kuehster
Color: 
Layer:
Space:
Page Label: GR02

Show in legend Trail designation.



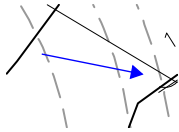
Subject: text box
Page Index: 2
Date: 3/16/2020 10:47:10 AM
Author: Steve Kuehster
Color: 
Layer:
Space:
Page Label: GR02

Show velocity and Froude number for sections SL-185, SL-184, SL-183

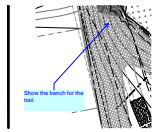


Subject: text box
Page Index: 2
Date: 3/16/2020 10:48:34 AM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: GR02

Call out for Pond 4?

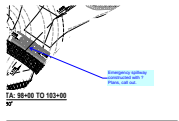


Subject: Arrow
Page Index: 2
Date: 3/16/2020 10:48:47 AM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: GR02



Subject: arrow & box
Page Index: 2
Date: 3/16/2020 11:29:15 AM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: GR02

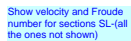
Show the bench for the trail.



Subject: arrow & box
Page Index: 2
Date: 3/16/2020 11:30:52 AM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: GR02

Emergency spillway constructed with ? Plans, call out.

3 (6)



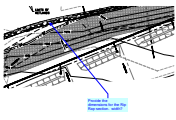
Subject: text box
Page Index: 3
Date: 3/16/2020 10:51:46 AM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: GR03

Show velocity and Froude number for sections SL-(all the ones not shown)



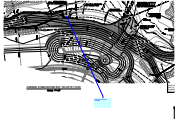
Subject: arrow & box
Page Index: 3
Date: 3/16/2020 11:00:29 AM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: GR03

Show Maintenance Access Road and for the permanent Sand filter basins



Subject: arrow & box
Page Index: 3
Date: 3/16/2020 11:04:36 AM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: GR03

Provide the dimensions for the Rip Rap section. width?



Subject: arrow & box
Page Index: 3
Date: 3/16/2020 11:07:05 AM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: GR03

Call out the pond number

JD CREK 7
) CONSTR

Subject: Highlight
Page Index: 3
Date: 3/16/2020 11:40:44 AM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: GR03

CRE

Show the grading so the rip rap section is placed per the detail . (100 yr flow protection.) vs. existing contours.

Subject: text box
Page Index: 3
Date: 3/16/2020 12:56:11 PM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: GR03

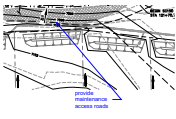
Show the grading so the rip rap section is placed per the detail . (100 yr flow protection.) vs. existing contours.

4 (7)



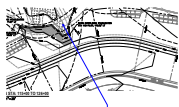
Subject: arrow & box
Page Index: 4
Date: 3/16/2020 11:45:05 AM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: GR04

Provide the dimensions for the Rip Rap section. width?



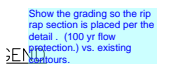
Subject: Callout
Page Index: 4
Date: 3/16/2020 11:46:36 AM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: GR04

provide maintenance access roads



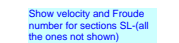
Subject: arrow & box
Page Index: 4
Date: 3/16/2020 11:51:24 AM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: GR04

Show the contours for the trail.



Subject: text box
Page Index: 4
Date: 3/16/2020 12:34:22 PM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: GR04

Show the grading so the rip rap section is placed per the detail . (100 yr flow protection.) vs. existing contours.



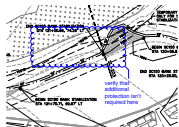
Subject: text box
Page Index: 4
Date: 3/16/2020 12:55:22 PM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: GR04

Show velocity and Froude number for sections SL-(all the ones not shown)



Subject: Callout
Page Index: 4
Date: 3/19/2020 4:39:22 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: GR04

extend SC250 and riprap south of SL-205



Subject: Cloud+
Page Index: 4
Date: 3/19/2020 4:42:02 PM
Author: dsdrice
Color: ■
Layer:
Space:
Page Label: GR04

verify that additional protection isn't required here

5 (1)



Subject: text box
Page Index: 5
Date: 3/16/2020 12:45:14 PM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: GR05

Show all the contours where construction is proposed. Show the improvements: Rip rap and erosion blanket for each section.

Subject: text box
Page Index: 6
Date: 3/16/2020 12:41:06 PM
Author: Steve Kuehster
Color: ■
Layer:
Space:
Page Label: GR06

Arrange so there are no more than 6 (8 1/2X11) details per sheet