

V1_Drainage Report - Final_Comments.pdf Markup Summary

Callout (15)

Appendix A. The Grading and Erosion s for the Site. The Site has been as section
 northeast?
 mining pits and process area) to in the northwest corner of the Site. nt basin to allow sediments to drop se soil types allow for infiltration of

Subject: Callout
Page Label: 13
Author: Daniel Torres
Date: 11/22/2022 10:00:49 PM
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northeast?

Subject: Callout
Page Label: 13
Author: Daniel Torres
Date: 11/22/2022 10:02:07 PM
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Please label the sediment basin on the drainage plan (catchment plan)

Maximum width (ft)	355	1
Minimum width (ft)	25	1
Maximum depth (ft)	8	1
Minimum depth (ft)	2	1

Subject: Callout
Page Label: 14
Author: Daniel Torres
Date: 11/22/2022 10:05:46 PM
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identify the type and size of the culvert

Station	Width (ft)	Depth (ft)
1+00	11.00	17.6
2+00	12.45	12.00
3+00	13.5	2.2

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Page Label: 16
Author: Daniel Torres
Date: 11/22/2022 10:14:56 PM
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Garrett Rd and Curtis Road are classified as arterial roadways. flow shall comply with type C road as indicated on table 6-1, depth of flow shall not encroach upon street shoulder.

23.51	11.00
54.2	17.6
12.45	12.00
13.5	2.2

Subject: Callout
Page Label: 12
Author: Daniel Torres
Date: 11/22/2022 10:17:13 PM
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The mining operation plan indicates a depth of 40 ft. revise so that they are consistent with each other

Subject: Callout
Page Label: 6
Author: Daniel Torres
Date: 11/22/2022 8:51:58 PM
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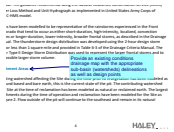
Subject: Callout
Page Label: 8
Author: Daniel Torres
Date: 11/22/2022 9:14:21 PM
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Per County GIS the 80 acre parcel is located primarily within the Curtis Ranch Drainage Basin and also a portion is within Solberg Ranch Drainage basin. The existing parcels are within Solberg Ranch. Please also identify this in the narrative



Subject: Callout
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Author: Daniel Torres
Date: 11/22/2022 9:45:13 PM
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Per Drainage Criteria Manual (DCM) the site should be designed for the 5 year (minor storm) and 100 year (major storm) storm events



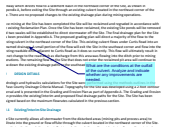
Subject: Callout
Page Label: 9
Author: Daniel Torres
Date: 11/23/2022 10:00:16 AM
Status:
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Provide an existing conditions drainage map with the appropriate sub-basin (watersheds) delineations as well as design points

Hour 100-Year Storm (Pre-Vegetation)	
WS-1	WS-2
1.25	4.00
4.95	4.50
17.00	22.00
1.35	2.00
66	66
10	10
2.85	2.82
1.85	1.88

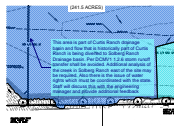
Subject: Callout
Page Label: 12
Author: Daniel Torres
Date: 11/23/2022 10:00:43 AM
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What are the conditions at the outfall of the culvert. Analyze and indicate whether any improvements are needed.

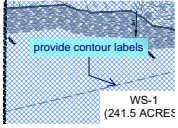


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Author: Daniel Torres
Date: 11/23/2022 10:05:35 AM
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This area is part of Curtis Ranch drainage basin and flow that is historically part of Curtis Ranch is being diverted to Solberg Ranch Drainage basin. Per DCMV1 1.2.6 storm runoff transfer shall be avoided. Additional analysis of the creek in Solberg Ranch east of the site may be required. Also there is the issue of water rights which must be coordinated with the state. Staff will discuss this with the engineering manager and provide additional feedback

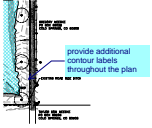


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Page Label: 21
Author: Daniel Torres
Date: 11/23/2022 9:44:30 AM
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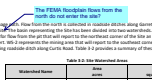
Subject: Callout
Page Label: 21
Author: Daniel Torres
Date: 11/23/2022 9:53:38 AM
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provide contour labels



Subject: Callout
Page Label: 21
Author: Daniel Torres
Date: 11/23/2022 9:54:08 AM
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provide additional contour labels throughout the plan



Subject: Callout
Page Label: 10
Author: Daniel Torres
Date: 11/23/2022 9:59:30 AM
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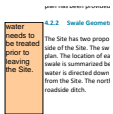
The FEMA floodplain flows from the north do not enter the site?

Cloud (1)



Subject: Cloud
Page Label: 21
Author: Daniel Torres
Date: 11/23/2022 9:31:11 AM
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Engineer (1)



Subject: Engineer
Page Label: 14
Author: dotprete
Date: 11/19/2022 2:25:49 PM
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water needs to be treated prior to leaving the Site.

File Attachment (1)



Subject: File Attachment
Page Label: 3
Author: Daniel Torres
Date: 11/22/2022 8:43:22 PM
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Highlight (1)

related agg
n of 35 feet
as been

Subject: Highlight
Page Label: 17
Author: Daniel Torres
Date: 11/22/2022 10:18:03 PM
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Image (1)



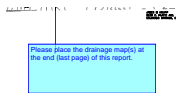
Subject: Image
Page Label: 8
Author: Daniel Torres
Date: 11/22/2022 9:10:34 PM
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Text Box (4)

Provide standard
County signature block.
See attached

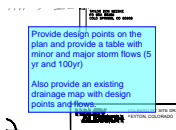
Subject: Text Box
Page Label: 3
Author: Daniel Torres
Date: 11/22/2022 8:42:06 PM
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Provide standard County signature block. See attached



Subject: Text Box
Page Label: 21
Author: Daniel Torres
Date: 11/23/2022 9:18:24 AM
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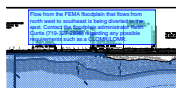
Please place the drainage map(s) at the end (last page) of this report.




Subject: Text Box
Page Label: 21
Author: Daniel Torres
Date: 11/23/2022 9:47:43 AM
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Provide design points on the plan and provide a table with minor and major storm flows (5 yr and 100yr)

Also provide an existing drainage map with design points and flows.



Subject: Text Box
Page Label: 21
Author: Daniel Torres
Date: 11/23/2022 9:57:00 AM
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Flow from the FEMA floodplain that flows from north west to southeast is being diverted to the east. Contact the floodplain administrator Keith Curtis (719-327-2898) regarding any possible requirements such as a CLOMR/LOMR.