# ENG-SP20003-R2-PDR-redlines.pdf Markup Summary

| 1 (4)  |   |   |
|--|---|---|
| See comment letter also.   | Subject: Text Box<br>Page Index: 1<br>Date: 9/2/2020 10:13:28 AM<br>Author: dsdrice<br>Color: Layer:<br>Space:<br>Page Label: 1   | See comment letter also.  |
| Engineering Review<br>0922/07/754/9/AM<br>JetBie of Neuropean<br>(17)75359/777<br>EPC Panning & Community<br>Development Department  | Subject: EPC ENG Review<br>Page Index: 1<br>Date: 9/2/2020 10:14:39 AM<br>Author: dsdrice<br>Color: Layer:<br>Space:<br>Page Label: 1   |   |
| 719-593-2593   | Subject: Text Box   | 00.000  |
| SP-20-003  | Page Index: 1<br>Date: 9/2/2020 10:16:48 AM<br>Author: dsdrice<br>Color: Color: C | SP-20-003   |
| The major with an executivy if a particular at a second se   | Subject: Cloud+<br>Page Index: 1<br>Date: 9/2/2020 4:28:52 PM<br>Author: dsdrice<br>Color: Layer:<br>Space:<br>Page Label: 1  | This may not be necessary if specific revisions to<br>the MDDP are not discussed. If this report is to be<br>approved prior to the Filing 2 report, the diversions<br>need to be addressed. |
| 4 (1)  |   |   |
| pressy analogue.<br>The data is a data of partial of hands 1, 2, 6, 3, 7 archity,<br>Sach Party Matchine and Parto Congo, Source of Congo<br>Sach Party and Matchine and Data Congo, Source of Congo<br>Sach Party and Sach Parto Congo, Sach Parto,<br>Partial Congo, Sach Parto, Sach Parto,<br>Parto, Sach Parto, Parto, Parto,<br>Parto, Parto, Parto, Parto, Parto,<br>Parto, Parto, Parto, Parto, Parto, Parto,<br>Parto, Parto, Parto, Parto, Parto, Parto, Parto,<br>Parto, Parto, Parto, Parto, Parto, Parto, Parto, Parto, Parto,<br>Parto, Parto, P | Subject: Cloud+<br>Page Index: 4<br>Date: 9/2/2020 11:38:45 AM<br>Author: dsdrice<br>Color: Layer:<br>Space:<br>Page Label: 4   | Preliminary   |
| 5 (1)  |   |   |
| us a control of Section as romoves.<br>is of the eastern portion of Sterfing Ranch<br>nto the existing storm sever just years of<br>east<br>Page   2   | Subject: Callout<br>Page Index: 5<br>Date: 9/2/2020 2:54:33 PM<br>Author: dsdrice<br>Color: Layer:<br>Space:<br>Page Label: 5   | east  |

|   | Cubicate Callout   |  |
|---|--|--|
| g Ranch Filing 2 dete<br>asin <u>A3.</u><br>A2?   | Subject: Callout<br>Page Index: 6<br>Date: 9/2/2020 4:00:57 PM | A2?  |
| ercent impervious an<br>thic bacin drains into  | Author: dsdrice<br>Color:                                      |  |
|   | Layer:<br>Space:   |  |
|   | Page Label: 6  |  |
| HALAMAN TALAHA BUMA BUMA NA SANA ANA ANA ANA ANA ANA ANA ANA AN   | Subject: Callout<br>Page Index: 6                              | Is this really existing or assumed? Include    |
| $\mu$ = 7 MeV and the set of proceeding set of the set o                           | Date: 9/2/2020 4:01:32 PM                                      | reference to project under review or approved  |
| and the set of the                                | Author: dsdrice<br>Color:                                      | plans  |
|   | Layer:   |  |
|   | Space:<br>Page Label: 6  |  |
|   | - ugo Lubol. 0   |  |
| 5.52 area to 27 process improvings and in located to the same of the size Bound?<br>Similar the Storing East, Fring 2 detection Pool is combined with opportunit<br>over periods of Editional AI.   | Subject: Callout   | seems low for the development in the northern  |
| Is wall. Amount of them the home inter entrong werear source located or drops<br>and another than the source of the source of the source of the source<br>of the source of the<br>source of the source of the source of the source of the source of the<br>source of the source of the source of the source of the source of the<br>source of the source of the source of the source of the source of the<br>source of the source of the source of the source of the source of the<br>source of the source of the source of the source of the source of the<br>source of the source of the source of the source of the source of the<br>source of the source of the<br>source of the source of th | Page Index: 6<br>Date: 9/2/2020 4:04:16 PM                     | portion which has ponds - split into 2 basins? |
| is a start and an experiment approximation and its invariant and advanced spatial start is the<br>off off and finand firms have based above soft the model groups over here been stored or<br>its later across and 0 present impervious and is havened to do rate of dor models,<br>also Ramif arous shakes above or its prior just model of forming Ramik Hand<br>phone 4.   | Author: dsdrice  |  |
| raard finns the basis data work one for at a singe prior 10   | Color: Layer:  |  |
|   | Space:   |  |
|   | Page Label: 6  |  |
| located north of the eastern portion of   | Subject: Callout   | western  |
| site at design point 10.<br>md is located directly north of the site<br>n point 11.   | Page Index: 6<br>Date: 9/2/2020 4:05:33 PM                     | western  |
| western   | Author: dsdrice  |  |
|   | Color: Layer:  |  |
|   | Space:   |  |
|   | Page Label: 6  |  |
| 6.8 percent intervious as is located notify of the easter   | Subject: Callout   | northwest                                      |
| 6.8 percent impervious as is located nom of the easter<br>basins drains south onto the site at design point 10. and 39.2 percent impervious and is located directly nort<br>ins south onto the site at design point 11.   | Page Index: 6<br>Date: 9/2/2020 4:06:15 PM                     | nonnwest                                       |
| northwest   | Author: dsdrice  |  |
|   |  |  |
|   | Layer:<br>Space:   |  |
|   | Page Label: 6  |  |
| the site. Historic runoff from this basins drains sos   | Subject: Callout   | docaribo ponde                                 |
| Sub-basin OS7 is 18.52 Acres and 39.2 percent i<br>Historic runoff from this site drains south onto the   | Page Index: 6<br>Date: 9/2/2020 4:08:48 PM                     | describe ponds                                 |
| describe ponds  | Author: dsdrice  |  |
| JR Engineering  |  |  |
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|   | Page Label: 6  |  |

A CARACTAR AND A CARA

Subject: Callout Page Index: 6 Date: 9/2/2020 4:09:20 PM Author: dsdrice Color: Layer: Space: Page Label: 6

describe culverts/outfalls

G RANCH PHASE 2 May 2020

7 (3)

(not reviewed in detail) Basin A (lower-portion), Basin B (mid and site. The pronosed basin (and sub-basin) Subject: Text Box Page Index: 7 Date: 9/2/2020 4:10:51 PM Author: dsdrice Color: Layer: Space: Page Label: 7

PELININARY DRAINAGE ESPORT FOR STREEM RANCE PLANE Provide un "Interim conditions" analysis to match prograde andy gatadag PROPOSED DRAINAGE CONDITIONS PROPOSED/SUB-ALSIN DRAINAGE Subject: Text Box Page Index: 7 Date: 9/2/2020 4:19:26 PM Author: dsdrice Color: Layer: Space: Page Label: 7

Date: 9/2/2020 4:29:59 PM

Subject: Text Box

Page Index: 7

Author: dsdrice Color: Layer: Space: Page Label: 7

.....

(not reviewed in detail)

Provide an "interim conditions" analysis to match proposed early grading

Label flows for all basins and DPs

8 (1)

Subject: Cloud+ Page Index: 8 Date: 9/2/2020 4:16:06 PM Author: dsdrice Color: Layer: Space: Page Label: 8

Why are these prefixed "OS"? - usually that designates offsite areas. See comment letter regarding water quality requirements

10 (2)

(a) \$USY) in 23 bases, Aff flows should have draps by eff be which all to be due -instants from for balancist and Commune all BMPs. BMPs will be written as manned by the start of the start and of data start of the start of the start of the start of the start and start of the Subject: Callout Page Index: 10 Date: 9/2/2020 4:21:33 PM Author: dsdrice Color: Layer: Space: Page Label: 10

Do not include temporary BMPs in this discussion, address commercial and industrial areas specifically (none on site?) Subject: Highlight Page Index: 10 Date: 9/2/2020 4:22:36 PM Author: dsdrice Color: Layer: Space: Page Label: 10

### 11 (3)

where we can be a first process makes a mark process process mark process pro

Subject: Callout Page Index: 11 Date: 9/2/2020 4:23:48 PM Author: dsdrice Color: Layer: Space: Page Label: 11

provide summary information for the pond and provide name W-5

that the Erosion Control Plan and Cost Estin

INTERNANCE district? function and effortments of the stormwater infrastruction, routing matternance, restorative maintenance, rehabimy overskalla be responsible for the impercision, maintenrer and responsible for the impercision, maintenthy in writing and responsibility is properly assisting is provided from onsite facilities and essements for proprelative for the factor of the Maintenne Maintenn Subject: Callout Page Index: 11 Date: 9/2/2020 4:24:14 PM Author: dsdrice Color: Layer: Space: Page Label: 11

district?

Address maintenance road design and locations.



Subject: Text Box Page Index: 11 Date: 9/2/2020 4:30:34 PM Author: dsdrice Color: Layer: Space: Page Label: 11

13 (2) Subject: Callout same? Page Index: 13 Date: 9/2/2020 4:25:52 PM Author: dsdrice Color: Layer: Space: Page Label: 13 ..... Subject: Callout Add Kiowa Sand Creek Channel design report Page Index: 13 Date: 9/2/2020 4:26:14 PM Author: dsdrice Color: Layer: Space: Page Label: 13

### 21 (1)

(Review stopped here) Subject: Text Box Page Index: 21 Date: 9/2/2020 4:32:00 PM Author: dsdrice Color: Layer: Space: Page Label: 21

## 37 (5)



Subject: Page Index: 37 Date: 9/2/2020 11:53:36 AM Author: dsdrice Color: Layer: Space: Page Label: 37



Subject: Callout Page Index: 37 Date: 9/2/2020 12:03:34 PM Author: dsdrice Color: Layer: Space: Page Label: 37

Show current grades or label grading as assumed to exist following projects to the west. Are Marksheffel Road plans south of Sterling Ranch Road proposed?



Subject: Page Index: 37 Date: 9/2/2020 3:45:17 PM Author: dsdrice Color: Layer: Space: Page Label: 37



Subject: Text Box Page Index: 37 Date: 9/2/2020 3:46:31 PM Author: dsdrice Color: Layer: Space: Page Label: 37

Also provide the Existing Drainage Plan from SF20015 showing a larger area (with comments addressed) down to existing confluence

Subject: Callout Page Index: 37 Date: 9/2/2020 4:09:50 PM Author: dsdrice Color: Layer: Space: Page Label: 37

Show the existing upstream facilities, access roads and culverts



#### 38 (12)



Subject: Callout Page Index: 38 Date: 9/2/2020 12:05:13 PM Author: dsdrice Color: Laver: Space: Page Label: 38



. . . . . . . . . . . . Subject: Page Index: 38 Date: 9/2/2020 2:43:57 PM Author: dsdrice Color: Layer: Space: Page Label: 38



Subject: Callout Page Index: 38 Date: 9/2/2020 2:45:43 PM Author: dsdrice Color: 📘 Layer: Space: Page Label: 38



\_\_\_\_\_ Subject: Callout Page Index: 38 Date: 9/2/2020 2:46:45 PM Author: dsdrice Color: 📘 Layer: Space: Page Label: 38

This area does not appear to comply with new

MS4-related criteria. Provide additional WQCV

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Show and label conceptual channel improvements

Subject: Callout Date: 9/2/2020 2:50:52 PM Space: Page Label: 38

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Page Index: 38 Author: dsdrice Color: Layer:

Provide a sheet showing Lift station tract, Marksheffel Road, Pond W5, all contributing flows to it and outfall improvements (including channel)

.....

STERLING RANCH

Subject: Text Box Page Index: 38 Date: 9/2/2020 3:01:35 PM Author: dsdrice Color: Layer: Space: Page Label: 38

Provide the interim drainage plan proposed for early grading (to match GEC plan)

label pipes and easments

BMPs as appropriate.

