ENG-PUDSP22007-R1-PDR redlines.pdf Markup Summary

1 (4)		
Job No. 1183.20 PCD Project No. PUDSP227	Subject: SW - Textbox Page Index: 1 Date: 7/12/2022 7:37:07 AM Author: Glenn Reese - EPC Stormwater Color: Layer: Space: Page Label: 1	PUDSP227
FOR STERLING RANCH EAST PRELIMINARY PLAN / PUD NO. 2 Refundament Baking Panch	Subject: SW - Textbox Page Index: 1 Date: 7/12/2022 7:40:34 AM Author: Glenn Reese - EPC Stormwater Color: Layer: Space: Page Label: 1	Add additional text for project name: "FourSquare at Sterling Ranch"
	Subject: PCD Comment Legend Page Index: 1 Date: 7/19/2022 12:13:46 PM Author: dsdrice Color: Layer: Space: Page Label: 1	
Engineering Review drivsad7773-bit PM MMTG-Versencom drivsas-Nor77 CPCPRain(a & Community Development Department	Subject: EPC ENG Review Page Index: 1 Date: 7/19/2022 12:13:54 PM Author: dsdrice Color: Layer: Space: Page Label: 1	
4 (2)		
Comparison of the second	Subject: Callout Page Index: 4 Date: 7/19/2022 12:59:50 PM Author: dsdrice Color: Layer: Space: Page Label: 4	FourSquare?
ind East Fork Drainage ots is proposed within Sand Creek	Subject: Callout Page Index: 4 Date: 7/19/2022 3:38:04 PM Author: dsdrice Color: Layer: Space: Page Label: 4	Sand Creek

5 (6)		
nprovements to the Sand barate report prepared by ated October 21, 2021. Pl equirements and associate	Subject: Page Index: 5 Date: 7/19/2022 5:49:40 PM Author: dsdrice Color: Layer: Space: Page Label: 5	October 21, 202
ort prepared by JR Engineering, "Final D ber 21, 2021. Please reference this rep- nts and associated wetland mitigation p verify latest is site have been previously studied in 1	Subject: Callout Page Index: 5 Date: 7/19/2022 5:49:55 PM Author: dsdrice Color: Layer: Space: Page Label: 5	verify latest
The adjacent San Drainage Basin Pli	Subject: Page Index: 5 Date: 7/19/2022 5:52:28 PM Author: dsdrice Color: Layer: Space: Page Label: 5	adjacent
art propared by Al Engineering. "Field Design Report at 21, 2021, Resear reference this report for al distance and associated wettind miligation plans and the second second statistical framework (Statistical resolution) and the second statistical framework (Statistical and Statistical Reports by Historical Reports by Historical Reports by Historica Reports by Historical Reports by Historica Reports by Historica Reports by Historica Reports by Historica Reports Based Based Based Based Based Based Based Based Reports Based Based Based Based Based Based Based Based Reports Based Based Based Based Based Based Based Based Reports Based Based Based Based Based Based Based Reports Based Based Based Based Based Based Based Reports Based Based Based Based Based Based Reports Based Based Based Based Based Based Based Reports Based Based Based Based Based Based Based Reports Based Based Reports Based B	Subject: Callout Page Index: 5 Date: 7/19/2022 5:52:49 PM Author: dsdrice Color: Layer: Space: Page Label: 5	clarify this statement
<text></text>	Subject: Page Index: 5 Date: 7/19/2022 5:53:20 PM Author: dsdrice Color: Layer: Space: Page Label: 5	h East Preliminary Plan No. 1 development areas
An and a straight of the Mater Development Descary Factor Bar An and Antic An any and the Mater Development Descary Factor Bar Antic Development Development Development Development And ADD Conference on the Straight Development Development And ADD Conference on the Straight Development Develop	Subject: Callout Page Index: 5 Date: 7/19/2022 5:56:18 PM Author: dsdrice Color: Layer: Space: Page Label: 5	Add MDDP amendment submitted with Preliminary Plan?

6 (1)		
Reserved and the second s	Subject: Callout Page Index: 6 Date: 7/19/2022 5:55:22 PM Author: dsdrice Color: Layer: Space: Page Label: 6	Please color code and label the individual sites
7 (2)		
west portion of the Sterling Ranch tity approved by County Staff and swale's adjacent to this property. s proposed development in these roposed Prelimary Plan area but for in the Retreat at TimberRidge	Subject: Page Index: 7 Date: 7/19/2022 6:00:21 PM Author: dsdrice Color: Layer: Space: Page Label: 7	adjacent to this property
inducing basins wereas the face fork basins. The non-inter- net sectors in the face fork basins. The non-inter- tion of the the non-theory of the face	Subject: Callout Page Index: 7 Date: 7/19/2022 6:01:04 PM Author: dsdrice Color: Layer: Space: Page Label: 7	not this property
8 (1)		
where the set is a balancepy partners. We make a statuse to the out- dation the strength right of the Garcin has the participation on the balance has called a strength right of the Garcin has the part of the strength regimes a strength regimes a strength regimes a strength regimes a strength regimes a strength regimes a called a strength regimes a stre	Subject: Callout Page Index: 8 Date: 7/19/2022 6:39:44 PM Author: dsdrice Color: Layer: Space: Page Label: 8	Sterling Ranch
9 (1)		
	Subject: Callout Page Index: 9 Date: 7/19/2022 7:00:42 PM Author: dsdrice Color: Layer: Space: Page Label: 9	Add sub-basins and DPs per plan redlines

11 (1)

Cent Ketreat a Subject: Page Index: 11 n a natural sw Date: 7/20/2022 7:54:57 AM Author: dsdrice V codiment b Color: Layer: Space: Page Label: 11

natura

12 (3)		
Now will be collected in various at grade lefts whether the resulting mean particle detected does and them match taxaetic the p de densities fills are also the standard taxaetic the particle densities of the standard detected are particular at the standard detected are particular to additional tay particular and DPP and DPA and DPA and DPA and DPA standard detected are addeted at the standard detected are the standard detected are resulted at the standard detected are the standard detected at the standard detected are the standard detected at the standard detected at the first standard detected at the standard detected at the standard detected at the standard detected at the standard detected at the detected at the standard at the first standard detected at the detected at the standard at the first standard detected at the detected at the standard at the first standard detected at the detected at the standard at the first standard detected at the detected at the standard at the first standard detected at the detected at the standard at the first standard detected at the detected at the standard at the first standard detected at the detected at the standard at the first standard detected at the detected at the standard at the first standard detected at the detected at the standard at the standard first standard detected at the detected at the detected at the standard at the first standard detected at the detected at the standard at the standard at the first standard detected at the detected at	Subject: Callout Page Index: 12 Date: 7/20/2022 8:08:36 AM Author: dsdrice Color: Layer: Space: Page Label: 12	and DP7 and DP6?
2 area and a small portion of this orth of Briargate Pixor. This basin is if a public torm system stub will be Road.	Subject: Callout Page Index: 12 Date: 7/20/2022 8:00:22 AM Author: dsdrice Color: Layer: Space: Page Label: 12	outfalling to DP7?
Annue and each distribution provides of the formation	Subject: Callout Page Index: 12 Date: 7/20/2022 8:08:24 AM Author: dsdrice Color: Layer: Space: Page Label: 12	It appears that this basin needs to be broken up so that flows to Briargate inlets can be calculated.
13 (3)		
Please clarify this sentence - LP is DPP7 3-16 will need to be adjusted as the interford flow report loady described Deage Notifs 5 servicepet flow arong t wy, best as of the service flow and into one engre out by Deage Point 7.	Subject: Callout Page Index: 13 Date: 7/20/2022 8:02:35 AM Author: dsdrice Color: Layer: Space: Page Label: 13	please clarify this sentence - LP is DP6?
this low-point. The the previously plus any bypass from inlets west and north ed flows at this pipe rehav innact	Subject: Callout Page Index: 13 Date: 7/20/2022 8:06:18 AM Author: dsdrice Color: Layer: Space: Page Label: 13	plus any bypass from inlets west and north
All when the background as the intermed of this regress is the device that the intermediate is the intermediate of the intermediate spectra of the intermediate is the intermediate of the intermediate of the intermediate of the intermediate of the intermediate of the intermediate of the intermediate of the intermediate of the intermediate of the intermediate of the intermediate of the intermediate of the intermediate of	Subject: Callout Page Index: 13 Date: 7/20/2022 8:10:01 AM Author: dsdrice Color: Layer: Space: Page Label: 13	for the south side. (address the north side since there is a median)

14 (3)		
ch that. The start anticipated developed from setting the data for birth C characterization and design shorts. Tell graces (Tell Control (Tell (Tell Control (Tell (Tel	Subject: Callout Page Index: 14 Date: 7/20/2022 8:14:17 AM Author: dsdrice Color: Layer: Space: Page Label: 14	Revise per FSD redlines
ch East M	Subject: Page Index: 14 Date: 7/20/2022 8:14:26 AM Author: dsdrice Color: Layer: Space: Page Label: 14	East
 VIIII - 200 UN Que - 157 cts Que - 244 cts And a state of the bistrict; Delete "East" In storm system within Briargate Phay, reference the "Drainage Letter for prepared by JR Engineering, LLC, dated 	Subject: Callout Page Index: 14 Date: 7/20/2022 8:14:40 AM Author: dsdrice Color: Layer: Space: Page Label: 14	Delete "East"
15 (6)		
s a combined total re i) of (Q ₅ = 8.8 cfs, Q _{1c} rm system will run in	Subject: SW - Highlight Page Index: 15 Date: 7/12/2022 3:02:31 PM Author: Glenn Reese - EPC Stormwater Color: Layer: Space: Page Label: 15	(Q5 = 8.8 cfs
Specify the attempty the QC MCO's is a use that the mean time mCO's is a use that the mean time consolid that and the initial and the mean time is action with the discussion rate that or giving a significant time is $ \alpha (\alpha) = 4.4$, $\alpha_{nn} = 1.34$ and $(A, A, A$	Subject: SW - Textbox with Arrow Page Index: 15 Date: 7/12/2022 3:03:13 PM Author: Glenn Reese - EPC Stormwater Color: ■ Layer: Space: Page Label: 15	Specify that although this Q5 exceeds what was shown in the MDDP, it is still less than the pre-development Q5, so it is ok.
<text></text>	Subject: SW - Textbox Page Index: 15 Date: 7/12/2022 3:36:46 PM Author: Glenn Reese - EPC Stormwater Color: Layer: Space: Page Label: 15	Can you clarify that 100% of the proposed soil disturbances within this PUD will be treated by the WQ pond and/or runoff reduction? It appears to be true from the map on pdf pg 80 below. But would be nice to document this in the text here as well. If not 100%, state which basins (or portions of basins) will not be treated and which treatment exclusions apply, per the PBMP Applicability Form.

Subject: Callout Address the effect of diverting this flow to the main Page Index: 15 Sand Creek channel, how it will be mitigated, and Date: 7/20/2022 8:17:55 AM how historic flows are being matched at the south Author: dsdrice SR property line where these flows previously Color: went. Layer: Space: Page Label: 15 Subject: Callout Address when this pond will need to be completed Page Index: 15 and current status. Date: 7/20/2022 8:19:32 AM Author: dsdrice Color: Layer: Space: Page Label: 15 Subject: Callout Update Page Index: 15 Date: 7/20/2022 8:20:11 AM Author: dsdrice Color: Layer: Space: Page Label: 15 16(1) Subject: Callout ermit (Action No. SPA-2015-00428-SCO) w west of IR Engineering, LLC is also coordinating a CI Page Index: 16 adjacent to the site and defined as Reach S Date: 7/20/2022 8:20:45 AM Briargate Pkwy.) west of Author: dsdrice DRAINAGE CRITERIA Color: Hydrologic calculations were performed Layer: Space: Page Label: 16 20(1)



Subject: Callout Page Index: 20 Date: 7/19/2022 7:36:52 PM Author: dsdrice Color: Layer: Space: Page Label: 20

25 (1)



Subject: Callout Page Index: 25 Date: 7/19/2022 7:35:27 PM Author: dsdrice Color: Layer: Space: Page Label: 25 Update when available

Provide an outline of this site

42 (1)		
Provide a larger plan. See dranage plan. Refines about sub-basins	Subject: Callout Page Index: 42 Date: 7/19/2022 7:33:17 PM Author: dsdrice Color: Layer: Space: Page Label: 42	Provide a larger plan. See drainage plan redlines about sub-basins
43 (1)		
Not checked with this review PRE-DEVELOPMENT CONDITIONS (Syr. Subcached Revif Seeney	Subject: Text Box Page Index: 43 Date: 7/19/2022 7:32:24 PM Author: dsdrice Color: Layer: Space: Page Label: 43	Not checked with this review
59 (2)		
Provide a larger	Subject: Callout Page Index: 59 Date: 7/19/2022 7:31:25 PM Author: dsdrice Color: Layer: Space: Page Label: 59	Provide a larger plan
	Subject: Callout Page Index: 59 Date: 7/19/2022 7:33:44 PM Author: dsdrice Color: Layer: Space: Page Label: 59	illegible
60 (1)		
Not checked with this review PRELIMINARY PLANPUD NO. 2 (Syr. Ex Isotobeen Ramff Semary	Subject: Text Box Page Index: 60 Date: 7/19/2022 7:30:51 PM Author: dsdrice Color: Layer: Space: Page Label: 60	Not checked with this review
71 (1)		

Not checked with this review
. - VERSION 5.1 (Build 5.1.012)
PLAN/PUD NO. 2

Subject: Text Box Page Index: 71 Date: 7/19/2022 7:30:07 PM Author: dsdrice Color: Layer: Space: Page Label: 71

Not checked with this review

77 (1)



92 (10)



Subject: Page Index: 92 Date: 7/19/2022 6:42:00 PM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 3

Page Label: [1] SHEET 1



Subject: Page Index: 92 Date: 7/19/2022 6:42:35 PM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 3



Subject: Page Index: 92 Date: 7/19/2022 6:43:17 PM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 3



Subject: Page Index: 92 Date: 7/19/2022 6:46:29 PM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 3

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Subject: Callout Page Index: 92 Date: 7/19/2022 6:57:12 PM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 3

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Sub-basins need to be broken out to separate areas not affected by this development.

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Subject: Polygon Page Index: 92 Date: 7/19/2022 6:59:07 PM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 3

Add DP



Subject: Polygon Page Index: 92 Date: 7/19/2022 6:59:07 PM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 3

Add DP

Subject: Polygon Page Index: 92 Date: 7/19/2022 6:59:07 PM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 3

Add DP

Subject: Polygon Page Index: 92 Date: 7/19/2022 6:59:07 PM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 3

Add DP



Subject: Text Box Page Index: 92 Date: 7/19/2022 7:03:07 PM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 3

Add a sheet showing these areas and development outfall facilities post-development

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93 (14)



Subject: Text Box Page Index: 93 Date: 7/14/2022 3:25:30 PM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 1



Subject: Callout Page Index: 93 Date: 7/19/2022 12:05:32 PM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 1

Provide an additional plan zoomed in to this development area to show more detail

See E911 comments on road names.

Subject: Callout Page Index: 93 Date: 7/20/2022 7:59:13 AM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 1

Inlets?



Subject: Callout Page Index: 93 Date: 7/19/2022 7:13:08 PM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 1

Label FSD-16 outflow rates



Subject: Callout Page Index: 93 Date: 7/19/2022 7:14:18 PM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 1

Provide a plan showing the outfall location



Subject: Callout Page Index: 93 Date: 7/19/2022 7:27:10 PM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 1 Call out overflow location and spillway dimensions



Subject: Callout Page Index: 93 Date: 7/20/2022 7:49:25 AM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 1

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Tie outfall to forebay?



Subject: Arrow Page Index: 93 Date: 7/20/2022 7:49:31 AM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 1

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Label this basin



Subject: Callout Page Index: 93 Date: 7/20/2022 7:50:24 AM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 1

Subject: Callout Page Index: 93 Date: 7/20/2022 7:51:09 AM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 1

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Show existing utilities

move basin label down



Subject: Callout Page Index: 93 Date: 7/20/2022 7:56:44 AM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 1

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Subject: Callout Page Index: 93 Date: 7/20/2022 8:10:51 AM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 1

Provide DPs

Subject: Callout Page Index: 93 Date: 7/20/2022 8:13:02 AM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 1

There should be a tract here for the pipe and overflow swale



Subject: Arrow Page Index: 93 Date: 7/20/2022 8:13:25 AM Author: dsdrice Color: Layer: Space: Page Label: [1] SHEET 1