ENG-PUDSP21005-R5-PDR-MDDP.pdf Markup Summary



solution and the second second

Subject: SW - Textbox with Arrow Page Index: 18 Date: 11/3/2022 12:08:11 PM Author: EPC Stormwater - Glenn Reese Color: ■ Layer: Space: Page Label: 18

Revise if appropriate per my comments on the drainage map below.



al GEC plan. The Preliminary Plan/PUD als 2 O and M manual also lists how to maintair imits I delete typo and/or complete the sortence	Subject: SW - Textbox with Arrow Page Index: 18 Date: 11/3/2022 12:08:17 PM	delete typo and/or complete the sentence.
Complete the semance. To acces is completed of gene agave Tract 1 = 0 cfs, $Q_{im} = 2$ cfs) sheet flows from the ge consists of undeveloped pervious area. T	Author: EPC Stormwater - Glenn Reese Color: Layer: Space: Page Label: 18	REMOVED
you quar Tan I adjuarts underskynd land aut of far sin. er fans fan far de anne ans eine de andersken blad. De	Subject: SW - Textbox with Arrow	Why is this tout have and in accord places on the
of on the low part of the charge of the first of the charge of the charg	Page Index: 18 Date: 11/3/2022 12:07:52 PM Author: EPC Stormwater - Glenn Reese Color: Layer: Space:	drainage maps? Maybe the ECM sub-section is mis-referenced?
		REMOVED
	Page Label: 18	
Y of that consists of the rear setback whi d to be placed over these areas on the F improvements constructed within the re c.) for Los 142, 156, d Tract C [*] . The mary Plan/PUD also places impervious re	Subject: SW - Highlight Page Index: 18 Date: 11/3/2022 12:07:57 PM	Lots 40-42, 156, & Tract C
its how to maintain this space. This acrea:	Color: Co	NO NEED TO
	Space: Page Label: 18	
nits I	Subject: SW - Highlight Page Index: 18 Date: 11/3/2022 12:08:00 PM	I
	Color: Co	REMOVED
	Space: Page Label: 18	
Pri δ 20 area is completed of space space. This I adjuster to understanding and last over (eds. -2 , eds. doing of them from the ones uses can be understanding	Subject: SW - Highlight	I 7 1 C 1 a – Less than 1 acres of developed
(the $+$ to $h_{\rm c}$ $-$ 1 and and non-time in any maps are the sampling the same of the sampling the same of th	Page Index: 18 Date: 11/3/2022 12:08:06 PM Author: EPC Stormwater - Glenn Reese	roadway area.
	Color: Layer: Space:	REMOVED
	Page Label: 18	
24 (1)		
m 22 to 1510 Prod.). is a supprint of trade-topol space space. Teach adjunctic the winding outstat at take of the site. Result $Q_{12} = 1.2$ day from Basin V share from 1. The antire sample sensition of underlandpolynomian stars. Thereafore, this Basin How Water despite the stratistican star (Aroparda 1114). This with the strategies and the st	Subject: Engineer Page Index: 24	and I.7.1.C.1.a – Less than 1 acres of developed

Page Index: 24 Date: 11/4/2022 2:08:35 PM Author: dsdrice Color: Layer: Space: Page Label: 24

roadway area.

REMOVED

29 (3)		
The second secon	Subject: Callout Page Index: 29 Date: 11/2/2022 1:52:23 PM Author: CDurham Color: Layer: Space: Page Label: 29	Check structure? CHANGED TO CHECK
on <mark>190</mark> 0 ł	Subject: Engineer Page Index: 29 Date: 11/4/2022 2:24:42 PM Author: dsdrice Color: Layer: Space: Page Label: 29	190 revised to 1400
a onder to stabilize the deduced of 10 E venders (10 E to venders) of 0.01 F	Subject: Callout Page Index: 29 Date: 11/4/2022 2:25:41 PM Author: dsdrice Color: Layer: Space: Page Label: 29	some text is missing? SORRY NOT SURE WHAT HAPPENED TO IT. NOW INSERTED
31 (1)		
Per the desirage map in the property of the second that the second seco	Subject: Text Box Page Index: 31 Date: 11/2/2022 3:58:36 PM Author: CDurham Color: Layer: Space: Page Label: 31	Per the drainage map in the appendix, it appears that there is more encroachment on lots 35 & 36. I AM COMPARING THE HECRAS MODEL I RAN WITH THE EXISTING CONDITION AND FLOW MENTIONED ABOVE TO THE PROPOSED CONDITION HECRAS MODEL NOT TO THE FEMA FLOOPLAIN. I HAVE ADDED MORET TEXT TO THE REPORT TO EXPLAIN THIS.
34 (1)		
In O.S., U.S., U.S., U.S., K. I. WILL RE SHEPY ends). where the interim condition all muself can be trained to the interim condition all muself can be trained to the interim condition all muself the inter- medical for scalars, where insteads the "Garger groups to initiative advectiments interiments": on on the site are surrounded by Indexpiring and maximum the advectiments areas on the site will where the interiments areas on the site will advectiments and innerviews areas and the site will advectiments and advectiments areas and the site will advectiments and advectiments areas and the site will advectiments and advectiments areas and the site will advectiments advectiments are advectiments are advectiments areas and the site will advectiments advectiments areas areas and the site will advectiments advectiments advectiments areas and the site will advectiments are adv	Subject: Text Box Page Index: 34 Date: 11/2/2022 4:47:10 PM Author: CDurham Color: Layer: Space: Page Label: 34	Include discussion of maintenance and maintenance easements needed for swales IT IS DISCUSSED IN ABOVE PARAGRAPH AND I ADDED MORE TEXT
189 (1)		
	Subject: Engineer Page Index: 189 Date: 11/4/2022 2:53:39 PM	

Date: 11/4/2022 2:53:39 I Author: dsdrice Color: Layer: Space: Page Label: 189

not sure what the comment is

196 (1)



Date: 11/4/2022 2:58:4 Author: dsdrice Color: Layer: Space: Page Label: 199

revised

202 (1) Subject: Callout Delete these duplicate pages? Page Index: 202 Date: 11/4/2022 3:02:59 PM Author: dsdrice removed duplicates Color: Laver: Space: Page Label: 200 204 (2) Subject: Rectangle Page Index: 204 cine or plain Cine, similar, full en-Date: 11/4/2022 3:03:45 PM Author: dsdrice Color: 1.00 1.00 1.00 1.03 1.03 1.03 necessaria L. Transition P. Francisco (Sector) addded Layer: Space: Page Label: 202 Subject: Callout highlight the values used Page Index: 204 Date: 11/4/2022 3:04:18 PM Author: dsdrice Color: addded Layer: Space: Page Label: 202 210 (2) channer Subject: Engineer NA Exist. Channel NA Exist. Channel 6.06% 7.91% geometry Page Index: 210 geo Date: 11/4/2022 3:06:49 PM NA Exist. doesn't have bankfull NA Exist. doesn't have bankfull added asterisk ** about Author: dsdrice Color: channel channel analyzing at FDR and Layer: CDs Space: Page Label: 208 Subject: Callout See comment memo Page Index: 210 Date: 11/7/2022 11:05:21 AM Author: dsdrice added asterisk ** about Color: 📘 analyzing at FDR and Layer: Space: **CDs** Page Label: 208

211 (1)



Subject: Callout Page Index: 211 Date: 11/4/2022 3:08:17 PM Author: dsdrice Color: Layer: Space: Page Label: 209

these values are too high

added asterisk ** about analyzing at FDR and CDs

262 (1)		
Next to have right portion of characteristics are or instructeristics from setting the set of instruction from section, to model convergence.	Subject: Text Box Page Index: 262 Date: 11/2/2022 4:11:18 PM Author: CDurham Color: Layer: Space: Page Label: 260	Need to have right portion of channel shown as ineffective area or remove from section, so model doesn't assume this area for channel conveyance. removed right portion but we still have overt topping.
263 (1)		
Need to have refit notice if a more of the second state of the sec	Subject: Text Box Page Index: 263 Date: 11/2/2022 4:11:25 PM Author: CDurham Color: Layer: Space: Page Label: 261	Need to have right portion of channel shown as ineffective area or remove from section, so model doesn't assume this area for channel conveyance. removed right portion but we still have overt topping.
301 (1)		
Need to have right portion of channel shown is initiated on an or- indexed to have the state of the channel correspond	Subject: Text Box Page Index: 301 Date: 11/2/2022 4:10:46 PM Author: CDurham Color: Layer: Space: Page Label: 299	Need to have right portion of channel shown as ineffective area or remove from section, so model doesn't assume this area for channel conveyance. removed right portion but we still have overt topping.
302 (1)		
Need to have right poten of channel show is inefficience as a modern is assessed as a set of the description of the set of the set (provpotence)	Subject: Text Box Page Index: 302 Date: 11/2/2022 4:12:42 PM Author: CDurham Color: Layer: Space: Page Label: 300	Need to have right portion of channel shown as ineffective area or remove from section, so model doesn't assume this area for channel conveyance. removed right portion but we still have overt topping.
329 (1)		
	Subject: Callout Page Index: 329 Date: 11/2/2022 4:15:41 PM Author: CDurham Color: Layer: Space: Page Label: 327	Channel has vertical face? SORY I HAD A BAD SPOT IN THERE REVISED
346 (1)		
Los Col Los Dr0 Col 1.00 Dr0 MRDA/POD FELAR Mean	Subject: Callout Page Index: 346 Date: 11/7/2022 10:07:00 AM Author: dsdrice Color: Layer: Space: Page Label: [1] EX 1	Add DP13 ADDED

347 (1)



Subject: Callout Page Index: 347 Date: 11/7/2022 10:34:56 AM Author: dsdrice Color: Layer: Space: Page Label: [1] EX 2

Label the channel flow here

I have to ask why? there is no design point or any significance for this spot and per you other comment and my response on the MDDP maps there is no channel flow here in the proposed condition. so why are we adding a flow here to compare or analyze against. I added DP 7A anyway

348 (1)



Subject: Callout Page Index: 348 Date: 11/7/2022 9:56:12 AM Author: dsdrice Color: Layer: Space: Page Label: [1] EGP 1

Delete duplicate contours?

REMOVED

350 (1)



Subject: Callout Page Index: 350 Date: 11/7/2022 10:11:30 AM Author: dsdrice Color: Layer: Space: Page Label: [1] PROP 1

THERE IS NO CHANNEL FLOW HERE IT IS 0 CFS IN THE MDDP DRAINAGE ANALYSIS, WHEN WE ASSUME UPSTREAM IS DEVELOPED. THE FUTURE FILINGS IN THE FULL BUILD OUT WILL BE CAPTURING RUN OFF AND ROUTING IT VIA STORM DRAIN TO THE POND SO ROADS WILL CUTOFF FLOW AND TAKE IT IN PIPE. PER MAP CHANNEL IS FILLED IN AND WE DON'T SHOW CULVERTS

351 (3)

FLOW HERE IS 0 CFS IN THE MDDP DRAINAGE ANALYSIS, UME UPSTREAM IS DEVELOPED. THE FUTURE FILINGS IN D OUT WILL BE CAPTURING RUN OFF AND ROUTING IT VIA TO THE POND SO ROADS WILL CUTOFF FLOW AND TAKE IT IAP BELOW CHANNEL IS FILLED IN AND WE DON'T SHOW MOVED THE CHANNEL AND WETLANDS UPTSREAM OF ROAD
Label future inflow pipe location from upstream basins to the north
OWNER IS A DIFFERENT CLIENT WITH ANOTHER ENGINEER AND THEY ARE PLAYING WITH LAYOUT CHANGES TO THE NORTH SO NOT SURE WHERE IT WILL COME IN BUT THEY WILL HAVE TO DO A MDDP AND FINAL DRAINAGE REPORT TO MODIFY THIS POND

355 (22)



revised

Layer: Space: Page Label: [1] PROP 2

	Subject: Area Measurement Page Index: 355 Date: 11/3/2022 12:09:10 PM Author: EPC Stormwater - Glenn Reese Color: Layer: Space: Page Label: [1] PROP 2	5,257 sf <mark>revised</mark>
	Subject: SW - Textbox with Arrow Page Index: 355 Date: 11/3/2022 12:09:10 PM Author: EPC Stormwater - Glenn Reese Color: ■ Layer: Space: Page Label: [1] PROP 2	area measurements shown for reference only. You don't need to add these numbers into this map. But verify RR calcs spreadsheet on pdf pg 196 above.
TRACT 8	Subject: Area Measurement Page Index: 355 Date: 11/3/2022 12:09:10 PM Author: EPC Stormwater - Glenn Reese Color: Layer: Space: Page Label: [1] PROP 2	634 sf
	Subject: Area Measurement Page Index: 355 Date: 11/3/2022 12:09:10 PM Author: EPC Stormwater - Glenn Reese Color: Layer: Space: Page Label: [1] PROP 2	576 sf
And the second s	Subject: SW - Textbox with Arrow Page Index: 355 Date: 11/3/2022 12:09:10 PM Authon 500 1 am just removing the reference to Layer I.7.1.C.1.A. as basins I, J, M1, P & Y Space all meet the exclusion for I.7.1.B.7. Page	Depending on how much area is attributed to the WQ exclusions (up to 20%, not to exceed 1ac), which will be shown as a separate line on this table (per comment to the right), you may be able to add some or all of this RR area to that excluded area (ideal). Adjust map and RR calcs accordingly.
	Subject: Area Measurement Page Index: 355 Date: 11/3/2022 12:09:10 PM Author: EPC Stormwater - Glenn Reese Color: Layer: Space: Page Label: [1] PROP 2	1,709 sf

	Subject: Area Measurement Page Index: 355 Date: 11/3/2022 12:09:10 PM Author: EPC Stormwater - Glenn Reese Color: Layer: Space: Page Label: [1] PROP 2	1,336 sf revised
	Subject: SW - Textbox with Arrow Page Index: 355 Date: 11/3/2022 12:09:10 PM Author: EPC Stormwater - Glenn Reese Color: Layer: Space: Page Label: [1] PROP 2	area measurements shown for reference only. You don't need to add these numbers into this map. But verify RR calcs spreadsheet on pdf pg 196 above.
	Subject: SW - Rectangle Page Index: 355 Date: 11/3/2022 12:09:10 PM Author: EPC Stormwater - Glenn Reese Color: Layer: Space: Page Label: [1] PROP 2	revised
ACRES OF CH A AND 1.7.1.21.A EVELOPED ROADWAY	Subject: SW - Rectangle Page Index: 355 Date: 11/3/2022 12:09:10 PM Author: EPC Stormwater - Glenn Reese Color: Layer: Space: Page Label: [1] PROP 2	revised
La Difference of the second se	Subject: SW - Textbox with Arrow Page Index: 355 Date: 11/3/2022 12:09:10 PM Author: EPC Stormwater - Glenn Reese Color: ■ Layer: Space: Page Label: [1] PROP 2	delete duplicate text revised
A CARACTER AND A CARA	Subject: SW - Textbox with Arrow Page Index: 355 Date: 11/3/2022 12:09:10 PM Author: EPC Stormwater - Glenn Reese Color: Layer: Space: Page Label: [1] PROP 2	revise this text. That exclusion is not specific to roadway areas, nor do I think that this is the only type of area that is included in this exclusion, but that will be more clear once the PBMP Summary Table is update. Revise this Legend text as needed.
		all meet the exclusion for 1.7.1.B.7.



Subject: SW - Textbox with Arrow Page Index: 355 Date: 11/3/2022 12:09:10 PM Author: EPC Stormwater - Glenn Reese Color: ■ Layer: Space: Page Label: [1] PROP 2



Subject: SW - Textbox Page Index: 355 Date: 11/3/2022 12:09:10 PM Author: EPC Stormwater - Glenn Reese Color: ■ Layer: Space: Page Label: [1] PROP 2



Subject: SW - Textbox with Arrow Page Index: 355 Date: 11/3/2022 12:09:10 PM Author: EPC Stormwater - Glenn Reese Color: Layer: Space: Page Label: [1] PROP 2

Subject: Callout Page Index: 355 Date: 11/4/2022 4:42:39 PM Author: dsdrice Color: Layer: Space: Page Label: [1] PROP 2 What are these 2 yellow areas? The legend shows that that is RPA's but I don't think that is the intent of these areas.

removed

Note that most of the comments on this sheet should be applied to all other drainage maps and the GEC Plans.

revised all sheets per these comments

And per my comment on pdf pg 18 above, revise this "roadway area" reference to be more clear (here and on Legend above)

I am just removing the reference to I.7.1.C.1.A. as basins I, J, M1, P & Y all meet the exclusion for I.7.1.B.7.

A check structure may be needed here also

added text in report stating that this may need to happen time of FDR.