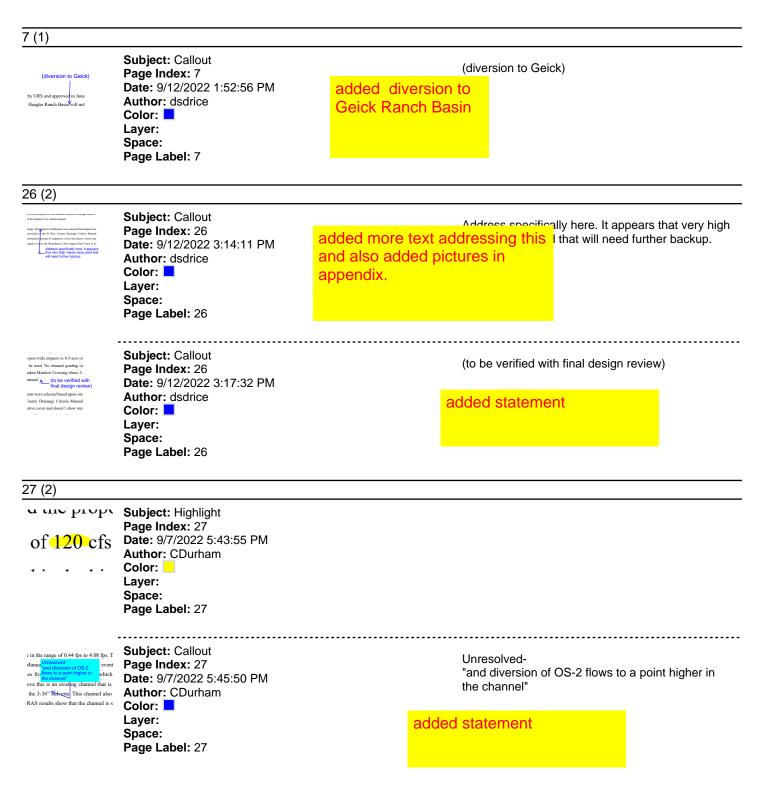
ENG-PUDSP21005-R4-PDR-MDDP.pdf Markup Summary



28 (1) Subject: Callout check structure? Page Index: 28 Date: 9/12/2022 3:16:05 PM Author: dsdrice Color: revised to check Laver: Space: Page Label: 28 33 (1) Subject: Callout diversion to Geick Ranch Page Index: 33 Date: 9/12/2022 1:57:49 PM Author: dsdrice added diversion to Color: Geick Ranch Basin Layer: Space: Page Label: 33 56 (1) Subject: Text Box Unresolved-Page Index: 56 Missing Basin OS-9 as shown on basin map. Date: 9/7/2022 5:56:24 PM Please include Author: CDurham Color: I believe you are referencing the wrong Map (sheets 311 & 312). Laver: This is the Early grading spreadsheet which corresponds to sheets Space: 309 & 310 because per the plan submitted and marked up by Page Label: 56 EPC there are no DP 9 & 13 57(1) Subject: Text Box Unresolved-Page Index: 57 Design Points 9 and 13 are shown on drainage Date: 9/7/2022 5:57:38 PM map but are missing from table. Please include. Author: CDurham Color: I believe you are referencing the wrong Map (sheets 311 & 312). Layer: This is the Early grading spreadsheet which corresponds to sheets Space: 309 & 310 because per the plan submitted and marked up by Page Label: 57 EPC there are no DP 9 & 13 195 (1) Subject: SW - Textbox Revise these sheets 3 RR calculation sheets as Page Index: 195 needed per my comments on pdf pg 312 below. Date: 9/8/2022 5:42: removed I & J Basins and Most of the SPA areas shown on these 3 sheets Author: EPC Stormy added statement in report can actually just be listed as excluded from WQ all Color: together and therefore could be remove from these about being excluded. Layer: 3 sheets. Be sure to discuss the exclusions in the Space: Only have Basin N now report text above. Page Label: 195 196 (2) Subject: SW - Textbox with Arrow 10010 1 1 I don't understand why RR calcs are provided for Page Index: 196 M1 if there is no UIA tributary to it, then there is not Date: 9/7/2022 3:47:42 PM need for RR. Author: Glenn Reese - EPC Stormwater Color:

Laver:

Space:

Page Label: 196

Is there another basin that has a UIA that is conveyed to this SPA?

removed sheet and added statement in report about being excluded Subject: SW - Textbox with Arrow Page Index: 196 Date: 9/8/2022 5:40:25 PM Author: EPC Stormwater - Glenn Reese Color: Layer: Space: Page Label: 196

197 (1)



Subject: SW - Textbox with Arrow Page Index: 197 Date: 9/7/2022 3:44:02 PM Author: Glenn Reese - EPC Stormwater Color: ■ Layer: Space: Page Label: 197

200 (1)

206 (3)



Subject: Rectangle Page Index: 200 Date: 9/12/2022 2:26:05 PM Author: dsdrice Color: Layer: Space: Page Label: 200

Date: 9/12/2022 2:12:38 PM

Subject: Callout

Page Index: 206

Author: dsdrice

Page Label: 206

Color: Layer: Space: If not, this basin can just be listed as an excluded basins per one of several potential WQ exclusions.

removed sheet and added statement in report about being excluded

No column for "V" on this spreadsheet.

removed, basin V (DP 32) is picked up in area inlet and routed to pond 3

0.08 is you max per table 10-2 added text in report backing this up

Provide maximum channel slopes and approximate min. radii of curvature

added

0.06 to 0.12 0.6 to 0.9 0.6 to 0.9

0.08 is you max per table 10-2 added text in report backing this up

0.07 Max? Provide additional backup.

0.08 is you max per table 10-2 added text in report backing this up



Subject: Page Index: 206 Date: 9/12/2022 2:18:52 PM Author: dsdrice Color: Layer: Space: Page Label: 206

0.07 Max? Provide additional backup. # channel 9 prigr Valar 5 n / channel Channel 5 n / channel Channel 2 actus 8 actus 8 actus 2 actus 8 actus 2 actus 8 actus 2 actus 8 actus 2 actus Subject: Callout Page Index: 206 Date: 9/12/2022 2:22:48 PM Author: dsdrice Color: Layer: Space: Page Label: 206

217 (1)		
Provide XS numbers west chain pritery Plan. Plan 03 7/132022 2000 .04	Subject: Text Box Page Index: 217 Date: 9/12/2022 3:02:04 PM Author: dsdrice Color: Layer:	Provide XS numbers
	Space: Page Label: 217	added
243 (1)		
These could change if n values change	Subject: Text Box Page Index: 243 Date: 9/12/2022 2:23:43 PM Author: dsdrice Color:	These could change if n values change
	Layer: Space: Page Label: 243	revised per new hecras runs
252 (1)		
Provide XS numbers east chan pr PDR ev Pan Plan 01 7/1320 200 Plan Plan 01 7/1320 200 Plan Plan 01 7/1320	Subject: Text Box Page Index: 252 Date: 9/12/2022 3:01:52 PM Author: dsdrice Color: Layer: Space:	Provide XS numbers added
	Page Label: 252	
261 (1)		
Is this correct?	Subject: Callout Page Index: 261 Date: 9/12/2022 2:33:58 PM Author: dsdrice Color: Layer: Space: Page Label: 261	Is this correct?
275 (3)		
	Subject: Callout Page Index: 275 Date: 9/12/2022 2:31:39 PM Author: dsdrice Color: Layer: Space: Page Label: [1] Layout1	FFs should be based on FP at highest perpendicular to channel revised also added more than 1' to most
	· ago Labon [1] Layouti	
131	Subject: Page Index: 275 Date: 9/12/2022 2:29:44 PM Author: dsdrice Color: Layer: Space: Page Label: [1] Layout1	revised also added more than 1' to most

Subject: Page Index: 275 Date: 9/12/2022 2:32:37 PM revised also added more Author: dsdrice than 1' to most Color: Layer: Space: Page Label: [1] Layout1 283 (1) Subject: Text Box Are these pages out of order or duplicated? Page Index: 283 Remove if so. Date: 9/12/2022 2:44:27 PM Author: dsdrice Color: removed Layer: Space: Page Label: 283 292 (1) Subject: Callout Is this correct? Is this correct? Page Index: 292 Date: 9/12/2022 2:43:12 PM Author: dsdrice removed Color: Layer: Space: Page Label: 292 311 (3) Subject: SW - Textbox with Arrow What is this linetype? Show it on the Legend. Page Index: 311 Date: 9/8/2022 3:27:31 PM Author: EPC Stormwater - Glenn Reese sorry don't know why Color: this is a different color Layer: changed to red to Space: Page Label: [1] PROP 1 match offsite Subject: SW - Textbox with Arrow Why is this "onsite" basin boundary shown around Page Index: 311 the perimeter of the "offsite" basins. It is confusing. Date: 9/8/2022 3:28:41 PM Author: EPC Stormwater - Glenn Reese sorry changed to red to Color: match the offsite Layer: Space: Page Label: [1] PROP 1 Subject: SW - Textbox with Arrow What is the difference between the thick and thin Page Index: 311 red dashed lines? Show on Legend. Date: 9/8/2022 3:29:33 PM Author: EPC Stormwater - Glenn Reese Color: sorry there is no difference I Layer: changed wider one to match the Space: Page Label: [1] PROP 1 thinner one

312 (7)



Subject: SW - Textbox with Arrow Page Index: 312 Date: 9/7/2022 3:49:38 PM Author: Glenn Reese - EPC Stormwater Color: ■ Layer: Space: Page Label: [1] PROP 2



Subject: SW - Textbox with Arrow Page Index: 312 Date: 9/7/2022 3:58:17 PM Author: Glenn Reese - EPC Stormwater Color: ■ Layer: Space: Page Label: [1] PROP 2



Subject: SW - Textbox with Arrow Page Index: 312 Date: 9/8/2022 5:35:53 PM Author: EPC Stormwater - Glenn Reese Color: ■ Layer: Space: Page Label: [1] PROP 2



Subject: SW - Textbox with Arrow Page Index: 312 Date: 9/8/2022 3:37:23 PM Author: EPC Stormwater - Glenn Reese Color: ■ Layer: Space: Page Label: [1] PROP 2



Subject: SW - Textbox with Arrow Page Index: 312 Date: 9/8/2022 5:35:23 PM Author: EPC Stormwater - Glenn Reese Color: ■

changed hatch and removed SPA label from legend and relabeled as "EXCLUDED UNDEVELOPED PERVIOUS AREA"

sorry I showed the SPA's

added hatch to area outside of LOD



Page Index: 312 Date: 9/8/2022 5:37:07 PM Author: EPC Stormwater - Glenn Reese Color: ■ Layer: Space: Page Label: [1] PROP 2 Per comments from a previous submittal, the SPA/RPA areas cannot include wetland areas per the MS4 Permit and MHFD guidelines.

removed, basin P from RR spreadsheet as it is all undeveloped pervious area that can be excluded

Are these 2 yellow boxes supposed to be UIA's? Because pg 196 above shows the UIA for this sub-basin to be 0.

no they are no erased

These areas are not shown as treated on the RR map or the Pond map. Create a separate color/hatching for excluded areas within the LOD and label which exclusion applies to each color/hatching type.

> done changed hatch and removed SPA label from legend and relabeled

Plus the UIA overlaps with the RPA, which is not allowed.

it was left on by mistake now removed

Please define these SPA's. Are they excluded from needing WQ treatment? Reference the applicable ECM section for each exclusion type.

Some of these SPA's are outside of the LOD. None of the SPA's are provided WQ treatment, so why even show them on here?

Currently the PBMP Applicability Form shows that there are no WQ exclusions on this site, so that will need to be resolved (unless using the WQ exclusion of <20% of site, up to 1ac of site) which is acceptable with Design Basin Standard A on page 3 of that form.

All comments on this sheet should also be applied to pdf pg 316

done



Subject: SW - Textbox with Arrow Page Index: 312 Date: 9/8/2022 5:44:12 PM Author: EPC Stormwater - Glenn Reese Color: Layer: Space: Page Label: [1] PROP 2

Note that all RPA areas will need to be within a no build/drainage easement and discussed in the maintenance agreement and O&M manual. Also make sure to show the limits of the RPA's on GEC Plans (not just FDR) so our SW inspectors and the QSM know that these areas are to remain pervious and vegetated post-construction.

Update the O&M Manual accordingly and provide a Maintenance Agreement.

315 (1)



Subject: Page Index: 315 5' Type R Sump Inle Date: 9/12/2022 2:49:30 PM Author: dsdrice Color: Laver: Space: Page Labol [1] DDOD 1 revised to 10'

> CHANGED LOT GRADING SO ONLY LAST 20' OF THE LOT (NO BUILD ZONE IN SETBACK) DRAINS OFFSITE AND IS EXCLUDED UNDEVELOPED PERVIOUS AREA FOR ALL OTHER REVIOUS BASINS W/ RR . NOW **ONLY HAVE RPA IN BASIN M2**

> PER JEFF RICE "we are working on a policy but are currently allowing for a plat note, so no additional easement is needed at this time. This is the plat note: No lots shall have any impervious improvements constructed within the rear setback (i.e. patios, hard-scape, recreational facilities, etc.)"

ALSO ADDED SECTION TO O&M MANUAL LAST SUBMITTAL

ALSO ADDED AND TO GEC .