

Comment Log for Rolling Meadows Channel & Floodplain Modification - 60% Design Plans

REVIEWERS															
Reviewers: El Paso County Engineering & El Paso County Stormwater				3/1/2023		MATRIX RESPONSE Disposition Key: A = Will Incorporate, B = Will Evaluate, C = Will Incorporate in Later Submittal, D = Other			Date: 3/06/2023		MATRIX RESPONSE Disposition Key: A = Will Incorporate, B = Will Evaluate, C = Will Incorporate in Later Submittal, D = Other			Date: 4/27/2023	
Comment Number	Plan Sheet	Reviewer Comment	Reviewer Initials	Disposition	Matrix Response	Matrix Initials	Reviewer Response	Reviewer Initials	Disposition	Matrix Response	Matrix Initials				
1	TS01	Design report states vertical datum as NAVD 88. Please revise so documents state same information.	EPC Engineering	A	Records reviewed - all work should be in NGVD29	TKM	One more reference to clarify on page 6 of the design report.	CD/JR	D	This one is correct. We will have to convert datums for the submittal of the CLOMR	TKM				
2	GN01	insert "El Paso County" in note 6	EPC Engineering	A	Added to note	EAL	✓	CD/JR							
3	DR01	smooth out edge?	EPC Engineering	C	Will incorporate at 90% Design	TKM	TBD - minimize spiral flows?	JR	-	Agree	TKM				
4	DR01	Label all easements	EPC Engineering	A	Typ. Easement label added	EAL	(label on applicable sheets and clarify linetypes in legend)	CD/JR	A	Done	TKM				
5	DR01	Indicate if channel will be within a tract, easement, etc	EPC Engineering	A	Added.	TKM	Discuss with Staff.	JR	C	This is something we anticipate finalizing as the development plans are finalized.	TKM				
	DR01						Can this be filled in if the BLR swale isn't constructed.	JR	D	The area is the be "plugged" regardless as it is anticipated that site grading will be completed on the eastern bank of the proposed channel for development. This drainage will be eliminated.	TKM				
6	DR02	Clarify legend	EPC Engineering	A	Line width/scale adjusted in GN01 legend. Does this address your comment?	EAL	Some linetypes are still different than legend.	JR	A	Modified	TKM				
7	HZ01/02	Alignment table or centerline labels will need to be added on this sheet or on the plan & profile sheets	EPC Engineering	A	Line & curve tables added on HZ03	EAL	Add line and curve labels to HZ01 and HZ02	CD/JR	A	Modified	TKM				
8	EC01	These sheets should be included in the GEC Plan or all GEC Plan Sheets should be added to the Design Plan	EPC Stormwater	A	Removed	EAL	Add these sheets to GEC Plan?	CP	A	We felt the information was covered in the GEC plans but we added the information to the overview sheets	TKM				
9	PP03	Move scale off of text	EPC Engineering	A	Label moved	EAL	✓	JR							
10	PP03	Show existing maint. trail	EPC Engineering	A	Ex. Maintenance trail showing	EAL	✓	JR							
11	PP03	Label beginning of construction	EPC Engineering	A	Label added to Plan and Profile view	EAL	See comment about transition/tie-ins	JR	A	I believe this got addressed	TKM				
12	PP03	Per ECM Section 3.3.3.K.1 for channels longer than 1000 ft, ramps need to be provided to bottom of channel every 500 ft	EPC Engineering	C	Can you clarify: The standard reads that this is for channels greater than 10 ft deep AND 1,000 ft in length. Per DT01, our max depth is less than 10 ft, so does this apply? If required, we can incorporate this at 90%.	TKM	If access is provided to each drop structure that will be fine.	JR	C	We will show access in 90% submittal to address.	TKM				
	PP03						Please show 100-yr boundary to verify downstream cross section	JR	C	We do not have modeling that extends that far so will incorporate in 90%	TKM				
	PP03						If no work is being done here the thalweg should match the existing grade.	JR	A	Done	TKM				
13	PP04	Turn on existing and proposed grade lines	EPC Engineering	A	Pr. & Ex. grade showing in profile	EAL	✓	CD/JR							
14	PP05	Show approximate location of all utility lines in profile	EPC Engineering	A	Approx. water line location called out in profile	EAL	✓ - It appears that water line needs to be moved prior to channel construction.	JR	-	Agreed.	TKM				
15	PP06	Water line relocation may require significant County approval process (if in County parcels)	EPC Engineering	D	Water line to be replaced by others	EAL	✓ - It appears that water line needs to be moved prior to channel construction.	JR	-	Agreed.	TKM				
16	PP08	Existing headwall(?)	EPC Engineering	A	Labeled	EAL	✓	JR							
17	PP08	See comments on DT01	EPC Engineering	B	Floodplain extents vary based on channel hydraulics	EAL	✓	JR							
18	PP08	If this project will be constructed before Bradley Road widening, grading and details for the interim condition will be needed.	EPC Engineering	B	To be incorporated in future submittals. Project phasing not yet established.	TKM	TBD	JR							
19	PP09	Is widening going to be done before channel improvements?	EPC Engineering	B	At this time, the project phasing has not been established. This submittal shows all improvements and final phasing will be detailed in future submittals.	TKM	TBD	JR							
20	PP09	Show access to culverts	EPC Engineering	C	Will incorporate at 90% Design. Note added to plans	EAL/TKM	TBD	CD/JR							
21	PP09	Provide a section here	EPC Engineering	C	The design of this rundown has not been finalized and is not detailed enough to be shown in cross section. A cross section and detail will be provided in 90%.	TKM	TBD	JR							
22	PP09	more detail will be needed on the drop for the flow coming through	EPC Engineering	C	Will incorporate at 90% Design	EAL	TBD	JR							
23	PP09	Include height of drop	EPC Engineering	A	Labeled	EAL	✓	JR							
24	PP09	Label riprap type	EPC Engineering	A	Labeled	EAL	✓	JR							
25	PP10	Bradley Road	EPC Engineering	A	Labeled	EAL	✓	JR							
26	PP10	(show all poles)	EPC Engineering	A	Additional electrical poles labeled	EAL	✓	JR							
27	PP10	Delete duplicate sheet	EPC Engineering	A	Removed	EAL	✓	JR							
28	PP15	Provide a section through Drennan Road showing ROW width, pavement, shoulders, culverts etc.	EPC Engineering	A	Incorporated the survey data that we have.	TKM	Ok for this submittal	JR							
29	XS01/02	Please show the proposed floodplain	EPC Engineering	A	100-yr floodplain extents added	EAL	✓	JR							
30	DT01	label slopes	EPC Engineering	A	0% slopes labeled	EAL	✓	JR							
31	DT01	On plans it looks like only 1' of rise at the ends.	EPC Engineering	B	Note added, floodplain extents vary based on channel hydraulics	EAL	✓	JR							

32	DT01	Deviation request for low-flow channel should be submitted to finalize that aspect of design.	EPC Engineering	C	Our base flow channel is not intended to be the "low flow" channel. The flow identified at Q_{low} meets EPC requirements.	EAL	We need to document approval of the base flow/low flow design in a deviation since it is "non-standard" per EPC criteria.	JR	C	Acknowledged that this is required and requires submittal. Based on recent coordination with the client, There's a possibility we may revise the channel based on the new DBPS data. I'm going to save us all time and submit the deviation once we make the final call on hydrology.	TKM
33	DT03	On plans it looks like only 1' of rise at the ends.	EPC Engineering	B	Note added, sheet pile extents vary based on channel hydraulics	EAL	✓	JR			
34	DT04	Should be 15'	EPC Engineering	A	Detail edited to show access road 15' wide	EAL	✓	JR			
GEC Plans											
35	TS02	Provide printed name, Business name and address	EPC Engineering	A	Changed	EAL	✓	CD			
36	TS02	Change to Joshua Palmer, PECountry Engineer / ECM Administrator	EPC Engineering	A	Changed	EAL	✓	CD			
37	EC03	Label all proposed temporary construction BMPs by phase of implementation (initial, interim, final).	EPC Stormwater	C	See note on GN01. Phasing will be included in later design phases.	EAL	TBD	CP			
38	EC04	Label all adjacent city/town/jurisdictional boundaries, subdivision names, and property parcel numbers	EPC Stormwater	D	See note on GN01. Parcel ownership information show on EX01-02 of design plans.	EAL	Also needs to be shown on GEC plans	CP/JR	A	Added to EC01-02	TKM
39	EC05	Grading within the channel should be provided with this project and smoothly tie in to the main channel - a couple options	EPC Engineering	D	Swale design by others. Grading will be coordinated at later design phases	EAL	TBD	CP			
40	EC05	Install Temporary Sediment Basin. Provide details of temporary sediment basin including riser pipe diameter and perforation sizing, number of rows of holes, required volume, location of outlet pipe and spillway, and tributary area to the sediment basin. And provide contours for sediment basin.	EPC Stormwater	D	Per the EPC DCM Vol. 2 3.3, temporary sediment basins are nor to be installed in active streams.	EAL	✓	CP			
41	EC05	add correct sheet number to all matchlines or remove callout to sheets for all matchlines (typ.)	EPC Stormwater	A	Matchline label revised.	EAL	✓	CP			
42	EC06	all sheets should be the same size	EPC Stormwater	D	EC03-04 are for City of Colorado Springs review only	EAL	It would help for consistency when printing for inspectors	CP/JR	D	Due to City scale requirements, we cannot make the sheets smaller and also show the entire width of the project. Open to ideas.	TKM
43	EC09	check dams should be spaced based on the detail below	EPC Stormwater	D	Can you clarify? The contributing drainage area at the upstream end of the project is 1.4 mi ² (896 ac). Per EPC DCM Vol. 2 3.3, check dams should not be used in channels with drainage areas greater than 10 acres.	EAL	Rock check dams have been used on similar projects with large contributing areas. One set is shown on the plans and it would make sense to back that up depending on phasing, or provide upstream diversions/sediment traps. Also, if the construction includes diversion or ties in toward the end of construction there would be less flow in the channel. Staff is open to discussion.	CP/JR	C	Understood. I think this is something best left to incorporate in later submittals once we have construction phasing identified.	TKM
44	EC09	label street	EPC Stormwater	A	Labeled	EAL	✓	CP			
45	EC11	show stormwater flow direction and add BMPs if flowing offsite to the south	EPC Stormwater	A	Additional labels added near road embankment.	EAL	✓	CP			
46	EC12	straw wattles or silt fence	EPC Stormwater	A	Silt fence added to areas shown on EC12 & EC15	EAL	✓	CP			
47	EC15	label roadway	EPC Stormwater	A	Labeled	EAL	✓	CP			
48	EC17	Provide a copy of County VTC detail as it is different than City's.	EPC Engineering	A	EPC VTC detail added.	EAL	✓	CD			