

RESPONSE TO COMMENTS

RESPONSE TO COMMENTS RECEIVED FROM CHRISTOPHER B. BURKE ENGINEERING VIA LEBANON CITY ENGINEER DATED JUNE 6, 2023

RESPONSE TO COMMENTS

Project:		AAA Plumbing Development (CBBEL Project No. 200087.00066)	
Document:		Engineering Drawings and Specifications	
Responder(s):		Roger Azar, PE (DES Engineering)	Date: July 06, 2023
Item	Reference	IDOH Question/Comment	Response/Action
1	Comment #1	Through previous coordination and consultation with staff of the City of Lebanon, the project was to include an extension of the detention basin outlet system north within the Sam Ralston Road right-of-way to the existing culvert north of the site. This design information should be incorporated into the project plans and stormwater report.	DEFER – This design element was deemed not possible during the design phase due to lack of proper cover over the proposed pipe.
2	Comment #2	The detention basins should be encompassed in drainage easements.	CONCUR – A drainage easement has been created by James Swift IN RLS. The easement will be recorded upon approval of the design. See sheet G1.03 for a copy of the easement. The easement is also shown in plan view on the design sheets.
3	Comment #3	The 100-year elevations of the detention basins should be noted on the appropriate plan sheets.	CONCUR – The 100-year peak elevations for Pond #1 and Pond #2 have been added to the plan set on sheets C5.02 and C5.03 respectively.
4	Comment #4	The project plans should include an overflow from Basin 2 to Basin 1 and from Basin 1 to the roadside ditch along Sam Ralston Road.	CONCUR – A 12' wide broad crested rectangular weir has been added to Pond #1. See sheet C5.02 in the plan set as well as the Hydrocad Output in the DSR. Through previous conversations and meetings, a conclusion was reached by all parties for the overflow from Pond #2 to Pond #1. The 15" RCP culvert has been upgraded to an 18"x12" elliptical RCP culvert.
	Comment #5	The dry detention basins should include a subsurface drain with at least one and one-half foot of cover.	DEFER – Through previous conversations and meetings, a conclusion was reached by all parties that the minimum bottom slope of 1% for both ponds was sufficient and underdrains are not needed.
	Comment #6	An Operations and Maintenance (O&M) Manual for the post-construction stormwater quality measures should be submitted for review.	CONCUR – An Operations and Maintenance (O&M) Manual for the project has been created and submitted for approval.
	Comment #7a	SWPPP Item A29: The location of soil stockpiles was not shown on Plan Sheet C6.01	CONCUR – The soil stockpile locations have been added to sheet C6.01
	Comment #7b	SWPPP Item A30: if they will be utilized for the project, show the location of a construction staging area, material storage, waste storage, port-o-lets, and the Notice of Intent (NOI) posting location.	CONCUR – The NOI posting location has been added to sheet C6.01 along with an area dedicated for waste disposal. A note regarding the location for construction staging, material storage, and port-o-lets has been added to C6.01.
	Comment #7c	SWPPP Item B4: Energy dissipation measures should be utilized at the end of the gutter turnouts.	CONCUR – Rip rap rocking has been added to the end of the gutter turnouts on Sheets C6.01.

RESPONSE TO COMMENTS

	Comment #7d	SWPPP Item B8: Since it does not appear that Grade Stabilization Structures will be utilized for this project, the response for this item should be Not Applicable (N/A).	CONCUR – The response for Item B8 has been changed to N/A
	Comment #7e	SWPPP Item B9: A dewatering measure detail was provided by a location for this measure was not noted on Plan Sheet C6.01.	CONCUR – The location for dewatering is not known at this time. A note has been added that dewatering shall occur when groundwater is encountered during excavation.
	Comment #7f	SWPPP Item B11: The maintenance guidelines for the construction period stormwater quality measures were not provided on Plan Sheet C6.01. If the guidelines for each measure are included with the measure detail, this should be noted with the response.	CONCUR – The response for item B11 has been changed.
	Comment #7g	SWPPP Item C5 and C6: Information for these items was not provided on Plan Sheet C6.01	<p>DEFER – Item C5: maintenance guidelines for post-construction stormwater measures are included on C6.01 in the section titled: Post-Construction Storm Water Quality Measure Sequence</p> <p>Item C6: Roger Azar, P.E. is the responsible party and his contact information is on C6.01 in the lower left-hand corner alongside information for emergency responses.</p>
1232		Various comments from meeting on June 13, 2023	CONCUR – Changes were made regarding car stacking, landscaping, electric utility, water lateral and meter, fire service, and additional items.

**NO ADDITIONAL COMMENTS ARE PROVIDED
END OF RESPONSE TO COMMENTS SECTION**

RESPONSE TO COMMENTS

ASSOCIATED DOCUMENTS:

REVISED PLAN SHEETS

REVISED DRAINAGE STUDY REPORT

REVISED OPERATION & MAINTENANCE MANUAL