



STORMWATER PLAN REVIEW MEMORANDUM

June 6, 2023

TO: Kevin Krulik, P.E., P.S., AICP – Lebanon City Engineer
Scott Calvert – Lebanon Stormwater Manager

FROM: Kerry Daily, E.I., CFM, CPESC, CPSWQ – CBBEL, Indianapolis

SUBJECT: **AAA Plumbing Development**
CBBEL Project No. 200087.00066

A 1.44-acre site along the west side of Sam Ralston Road just north of Main Street will be developed into a commercial site featuring a 6,000 square foot building intended to serve five individual storefronts. Separate access drives on Sam Ralston Road and Main Street will be provided for the site which will include 28 parking spaces and two dry detention basins in series. Runoff from the parking areas will be discharged into the detention basins through curb cuts and the detention basins will ultimately drain to the northeast corner of the site.

After a review of the submitted material, CBBEL offers the following comments regarding the project's compliance with the Stormwater Management Ordinance for the City of Lebanon (Ordinance), the Stormwater Technical Standards Manual for the City of Lebanon (Standards) and the Indiana Construction Stormwater General Permit (CSGP):

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 Ralson 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.
2. The detention basins should be encompassed in drainage easements.
3. The 100-year elevations of the detention basins should be noted on the appropriate plan sheets.
4. The project plans should include an overflow from Basin 2 to Basin 1 and from Basin 1 to the roadside ditch along Sam Ralson Road.
5. The dry detention basins should include a subsurface drain with at least one and one-half foot of cover.
6. An Operations and Maintenance (O&M) Manual for the post-construction stormwater quality measures should be submitted for review.

7. The following comments concerning the project's Stormwater Pollution Prevention Plan (SWPPP) should be addressed:
 - a. SWPPP Item A29: The location of soil stockpiles was not shown on Plan Sheet C6.01.
 - b. SWPPP Item A30: if they will be utilized for the project, show the location of a construction staging area, materials storage, waste storage, port-o-lets, and the Notice of Intent (NOI) posting location.
 - c. SWPPP Item B4: Energy Dissipation measures should be utilized at the end of the gutter turnouts.
 - d. 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).
 - e. SWPPP Item B9: A dewatering measure detail was provided but a location for this measure was not noted on Plan Sheet C6.01.
 - f. 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.
 - g. SWPPP Items C5 and C6: Information for these items was not provided on Plan Sheet C6.01.

No error or omission in the plans, calculations, or applications (whether said plans, calculations or applications have been reviewed by the review engineer or not) shall permit or release the applicant and designer from constructing this work in any other manner than that provided for in the Ordinance or Standards.

cc: DES Civil and Environmental Engineering

KMD/kd
M200087.54.1