



November 9th, 2023

City of Lee's Summit, Missouri
Attn: Gene Williams
220 SE Green Street
Lee's Summit, MO 64063

**RE: THE VILLAGE AT DISCOVERY PARK – PUBLIC WATER
PL2023144**

This letter provides responses to comments as provided and dated below. Thank you for your time, all approvals are acknowledged without comment below. Please note the following formatting conventions:

- General statements, descriptions, and quotes from previous communication of changes not in direct response to a comment shall be unformatted.
- *Comments as provided or described as well as possible shall be italicized.*
- **Responses to comments shall be bold.**

Thanks,

A handwritten signature in black ink, appearing to read "David Eickman".

David Eickman

Engineering Review - Corrections

1. Sheet 553: The old 12" water main running along the west side of the project in a north/south alignment should be abandoned at Lee's Summit Road. At Lee's Summit Road where this 12 inch main is currently connected, remove valve 84192 (i.e., the valve that is located on the 12 inch line serving the north/south branch of the line to the southwest of the existing tee), install a plug in the tee, pour a thrust block against the plug and abandon the old 12-inch main to the south. The water main might be under the sidewalk so some sidewalk restoration might be needed. Do not install a fire hydrant shown in detail 1, as the entire 12 inch line from Colbern Rd. to Lee's Summit Rd. will be abandoned in-place. Abandon the 12" main at the tee on the north side of Colbern Road. Plug the tee and place a thrust block against the plug. Abandon the 12-inch water main to the north of the tee on the north side of Colbern Road.
Abandonment detail updated on Sheet C553 as requested. Abandonment of the main at Lee's Summit Rd added to the plans and shown on Sheet C553a.
2. Sheet C557: Note in the profile at Sta. 21+53.38 includes installing a 12"X6" tee. There are no notes stating to install the remainder of the hydrant assembly. Please provide notes to install the remainder of the fire hydrant assembly.
Plan labels added for the fire hydrant assembly.

3. Sheet 559: It looks like the Curb Inlet D-2 was moved closer to the RCB to avoid a conflict with the 20" water main. Looking at the 20-inch water main record drawing, it looks like the top of the main could be between elevation 946 and 947 where the proposed storm pipe will cross the water main. It is suggested the 20 inch water main be potholed in this location to confirm its location vertically and horizontally, as this will be a major impediment to construction if there are any conflicts
Note added to the Sheet C559. The drawing and the location of the main was shared with the contractor, who will determine the depth of the transmission main. We will keep the city updated and would ask to continue with the review of the plans.
4. Sheet 563: Please delete the air release valve if the hydrant at Sta. 13+70.64 is near the high point on the proposed water main. The fire hydrant can be used on a periodic basis by Water Utilities to release entrapped air, and hence the requirement to place an air-release assembly is negated.
Air release valve removed at Sta. 13+70.64 on Sheet C561 (Sheet renumbered due to details sheets being moved to the back of the set).
5. Sheet 567: Add a 12" valve on the west side of the 12"x12" tee at Sta. 28+01.20. This is an important water main and needs three valves. The existing 12" water main connection located west of Sta. 28+01.20 has three valves.
12" gate valve added to the west side of proposed 12"x12" tee. Refer to Sheets C564 and C567.
6. All Sheets with 12 Inch Butterfly Valves (In particular, the northern extension sheets): Please delete the references to 12 inch butterfly valves, and substitute "gate valve" in its place. The City recently changed the requirements, and butterfly valves are no longer required unless the water main is 16 inches or larger.
All proposed butterfly valves changed to gate valves on Sheets C561, C562, C563 (Sheets renumbered due to details sheets being moved to the back of the set).
7. Is it possible to rearrange the plans so the standard details section is located in the back? As shown, the south portion of the new water main is shown, then a few standard details, then the north portion is shown after, then more standard details. Suggest rearranging the plans to make more useable in the field, and to eliminate any confusion.
Detail plans moved to the end of the set and sheet numbering revised accordingly.
8. Sheet C567 - Temporary Connection Detail A: Please change the 12 inch butterfly valve to a 12 inch gate valve.
Butterfly valves changed to gate valves on connection detail on Sheet C567.
9. Sheet C566: Add notes specifying the 12 inch water main to be bored. No open trench installation will be allowed.
Note specifying 12" main to be bored added to the profile on Sheet C564 (Sheet renumbered due to details sheets being moved to the back of the set).
10. Add bold notes on the abandonment plan that abandonment of the existing north/south 12 inch water main shall not be allowed until the new line along Douglas St. has been completed. Otherwise, there will be insufficient water pressure for water customers to the north of your development.
Requested note added to Sheets C553 and C553a.