

December 12, 2016

Design Engineer Response Letter to Weber County Engineering Department comments dated November 18, 2016 and Pressurized Irrigation comments dated December 08, 2016.

Re: Gallop Bend Subdivision

Dear Mr. White and Mr. Felix

This letter is in response to the County comments and Hooper Irrigation Co. notes created on 11/19/16 and 12/08/16.

“Weber County Engineering Division Review”

1. CG101, Provide elevations for the proposed and existing contours.
Response:
Elevations have been added to plans.
2. CS101, Use a base course with a 3/4" minus compacted to 95% modified instead of crushed gravel.
Response:
Detail on sheet CS101 has been updated to reflect this callout.
3. Specify the sidewalk depth to be 6" concrete w/ 6" road base under driveway entrances and 4" concrete and 4" road base everywhere else.
Response:
Detail on sheet CS101 has been updated to reflect this callout.
4. CP101 – CP104, show waterlines in profiles to ensure no conflicts with other utilities.
Response:
Waterline and pressurized irrigation main have been added to all profiles to show potential conflicts and min. cover required.
5. Please provide all details for road, water, sewer, and storm drain.
Response:
Details have been added for storm water detention pond and outlet structure. Potential conflicts have been identified. Standard details have been called out for water, sewer and storm drain per governing specifications and details.
6. Show addresses and designated side of frontage for lots touching the road on two sides.
Response:
Disregard per Braden Felix's email on 11/21/16.

7. Will there be basements? If so, where will the pumped groundwater go?

Response:

Yes, there will be shallow basements. A foundation drain system has been called out on the plans. This will tie into the County storm drain system. Foundations will be pumped or drain by gravity (upper lots) to 4” laterals connected to 6” lines running at the back of the PUE.

8. As there has been discussion of a public walkway between lots 107 and 108, please specify the design of the walkway.

Response:

Design and construction of this pathway will be called out per County standards.

“Hooper Irrigation Co. Review”

Profile: Secondary water lines must be shown in profile to verify resolution of potential conflicts with other gravity utilities. Of particular note: a minimum cover of 2’ is required over the secondary line. It appears that, as designed, conflicts will occur between the secondary and storm drain lines when the minimum cover is provided.

Response:

Secondary water lines are shown in profile. 2’ min. cover has been called out and potential conflicts are shown.

Drainage: Complete drainage of the secondary system shall be designed. As designed, it appears that the secondary lines can drain completely, but compliance with the minimum depth of cover requirement may require drainage to storm drain boxes or manholes.

Response:

Secondary water system is shown to drain to storm drain manhole SDMH-2.

Venting: Placement of automatic combination air–vac valves is required at all peaks and dead ends in the main line. As designed, it appears that adequate venting is designed, but compliance with the minimum depth of cover requirement may necessitate additional air valves.

Response:

Air vacs shown at dead end streets.

Valves: Valves shall be placed at all tees and crosses. Adequately addressed as designed.

Response:

No action required.

The existing main line to which this subdivision will connect is a 24” ductile iron pipe on the north side of 2550 South; the hot tap callout should identify the 24” DIP mainline.

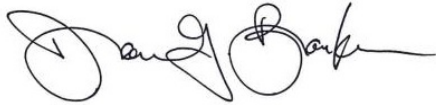
Response:

24” ductile iron pipe and hot tap called out.

Service laterals: Service lateral locations shall be proposed by the developer. No services shall cross a street. Adequately addressed in plans.

Please let me know if there are any questions or concerns with the plan submittal. Thank you.

Thank you,

A handwritten signature in black ink, appearing to read "Dean Barker". The signature is fluid and cursive, with the first name "Dean" and last name "Barker" clearly distinguishable.

Dean Barker, P.E.

cc: Brock Loomis