

## Topographic Survey Notes

### Oscarson Elementary

- The main waterline is in the southwest corner of the lot and cuts diagonally through to the current building. If the new building is to be placed over the top of this line, a temporary line will have to be put in place to service the current building during construction.
  - Town water lines on other streets around the lot are not marked and need to be identified. Identifying those lines may help to determine if the new building would be better serviced from a different street. It may also help with other aspects of the project.
- The septic tank for the preschool building is not marked and needs to be located. It will most likely have to be removed and may be in the way of construction.
- It would obviously be very expensive to attempt to move the irrigation well. The well marks the furthest north the building would likely be placed.
- The elevation changes significantly across the lot. Building up the soccer field high enough to have the building face west seems less practical than having the building continue to face east or to face south.
- Water drains to the east and the storm drain would be most cheaply placed in the southeast corner of the current parking lot.
- Placing the front of the school at the current gym entrance from the lunchroom would require the least amount of dirt work to prepare for construction. This would require demolishing the gym prior to the start of construction.

**Other notes:** The architects and the civil engineer believed the cheapest and easiest placement of the school would be directly behind the current school with the current gym being removed before construction. They believed the north side of the building is very conducive to a fire lane and bus drop-off lane. Essentially 200 north would go through the lot but would be restricted to buses and emergency vehicles. This plan would have the building continue to face east. The current parking lot would be torn up and replaced partially where the current building and front lawn is now. That is obviously not decided but that is what they thought represented the most economical use of the lot based on the topographic survey.

### Circleville Elementary

- While Oscarson's lot is almost too sloped, Circleville's is almost too flat. One of the problems with a really flat lot is that you need water to drain to somewhere. The Circleville Elementary lot may require multiple storm drains to ensure proper drainage. A slight slope can help. The Circleville Elementary lot only changes elevation by about four feet from one end of the lot to the other.
- The school district obviously cannot move or really do anything with the town well building. Unfortunately the town was designed for 300 south to go through the elementary lot all the way to 100 west. That wouldn't matter except for it influenced where the main town water line went out from the well building. The main well water line does not go directly west from the well house as we had hoped, it goes north to just before the playground and then goes west to the street. If 300 south went through to 100 west, as it originally did, that water line would follow alongside the road.
  - This presents a major obstacle for placing the new building directly behind the old building as it would be directly on top of the main town well water line. Moving that line could be an expensive and cumbersome process.
- There is rumor that the victims of the Circleville Massacre were buried somewhere between the pavilion and batting cage. We mentioned this as an interesting thought, but the architects were very interested as the discovery of Native American bones could slow or stop construction for months or years while it's investigated. A small portion of Richfield High School was over an old pioneer cemetery and the discovery of human bones did momentarily delay things.
- The irrigation ditches that are piped or open were not believed to be a significant obstacle. Accommodations could be made without significant changes.
- The septic system lines go almost to the parking lot on the north side of the current building. This could present a problem if the building was going to be located between the current elementary school and the town building. The septic system for the town building is not marked and may be relevant to the project, particularly if the lines go past the parking lot to the south or west.

**Other notes:** The architects and the civil engineer believed the cheapest and easiest placement of the school would be either just north of the playground partially covering the softball field or between the current school and the town

building. The first option would have the building face west. We made it clear that the community wants to keep the softball field and that if it's determined that is the best placement of the school, the field would have to be replaced somewhere else on the lot. We discussed turning the current t-ball field into a little league field and the current backstop on the southwest corner into a t-ball field. The other option of placing the building between the current building and the town building could be done while preserving the softball field as is. The architects would like to present a couple possible footprints for the building at the next meeting, which we failed to set a date for.

None of the things we've discussed so far completely eliminate any ideas, but some ideas have been identified as significantly more difficult and expensive than other ideas.