

November 7th, 2007
CSFM Meeting Minutes

In Attendance: David May, Richard Battison, Dennis Spackman, Verdon Walker, Kristen Thelen, Tom Hopkins, Erna Waterman, Ray Limb, Tony Howes, Steve Bubnick

Sharon Steel Updates:

- ◆ UDEQ Updates
 - Tony – UDEQ did the groundwater monitoring in Sept. The interceptor trench where the wetlands are is dry. They are working on getting the groundwater report written up. The next inspection will be done on Nov 27th.
- ◆ Midvale City Updates
 - (Ray Limb) The quarterly inspection report said the trenches were not cleaned. Ray checked on it, and they have now been cleaned. They were cleaned two weeks ago. They are supposed to be cleaned 3-4 times a year, but he thinks it has probably only been cleaned once this year. To clean it they weed whack and chain saw it. They may need to backhoe some of it out.
 - Bingham Junction road is going to go through both sites. The estimated cost was supposed to be 7 million, but will probably be 12 million. So far the city won't have to put any additional money towards it. Construction on the road is still estimated to start in 2008.
 - Question: Is the construction on 7200 South related to the site? Response: It is a 12 inch waterline going into Bingham Junction south. It needs to be completed before the road can go in.
 - The capped part of Sharon Steel is now owned by Ben Magelson outright. The other properties around still have some stakeholders. They still don't know what they are going to do with it. They were supposed to put more fill on the site a month ago, but nothing has happened.
 - Question: Has there been any resolution on the geotechnical studies? Response: They may have to do more with the geotechnical studies, and that may be a setback. Question: Has UDEQ done anything more on this? Tony - The comments on the studies is the last thing UDEQ has done on the geotechnical studies. Ray - UDEQ's studies indicated that more studies needed to be done to make sure it would be safe.
 - Question: What about settlement of the road? Response: It is on a different part of the site than where they are having issues. They won't be cutting into the cap for the road. The road is a different type of construction than the buildings.

Midvale Slag Updates

- ◆ EPA Updates
 - Tony and Erna are going to talk and plan out more what they are doing with the groundwater monitoring.

- Erna has the sheet pile design. It's a design using a grouted boulder structure. This is the design that the contractor will use. It would be worthwhile for everyone in the group to look at the design. She would like comments before the next stakeholders meeting on December 6th. Ray will have a hard copy if anyone would like to look at it.
- ◆ UDEQ Updates
 - UDEQ has started talking with Erna about groundwater monitoring. They have meetings this week to get started on it. Question: Is there enough information about the North side to know where the wells should go in. Response (Ray): In the next 2 weeks there should be more information. Question: How many wells are they planning on putting in on OU2? Response: They are thinking of 18 wells. Dave M. - If they know about where the wells are going in it would be helpful to give that information to the contractors so they can work around those spots. Response: They will try and get that information to the city.
 - Midvale Slag OU2 – There have been a couple of presentations to planning and zoning. Gardner is working on purchasing it. It looks like it is a go.
- ◆ Jordan River Stakeholders Meeting Updates
 - The meeting was well attended. There was good dialog. There were many representatives who had different interests in the river.
 - Tony talked about UDEQ's work on sampling.
 - Erna gave an update on the grouted boulder structure.
 - There were questions about what was going to happen to the sheet pile dam.
 - USGS came and gave an overview about the sampling process they will be doing. They will be doing measurements on the river's velocity, etc. Also they will be doing a geo study on the bank. Their overview was very informative.
 - The information they gather will also be useful to the county.
 - The work that has been done on the west bank looks like soil on the surface. Underneath the surface is willow. It's an emergent bench. It's built so it can flood. There was a lot of work that was done there. It does impact us. The river is going to move towards the east bank and erode the site's bank. Comment: It will take out OU2 if it continues like it is. It looks like the river has been narrowed.
 - The project engineer for the bridges spoke. The UTA representative sounded like they have planned what they are going to do, and will be sticking to it. There was a lot of discussion about the type of the bridge they will be putting in. There was also discussion about the 500 year flood plan, and if they have considered it. The stakeholder's group gave some public input about the bridge.
 - There is a sharp turn in the river. The county did not do the dynamics for the sharp turn in the river.
 - Erna has recommended that they don't take out invasive plants on the south side. If they don't have the invasive plants, they will lose the bank stability. Tony – They may be able to leave the root structure and kill the root and it will keep the structure. Erna – don't want to mess with it

too much, because it could compound the problem.

- EPA has created a new work assignment with CDM. It is a limited work assignment to help with these river issues. They would like CDM to do some outlines about ideas of what to do after the sheet pile dam. She will also work with Tony, and would like CSFM's input about what to do. Some ideas they have had are a possible boat dock, riparian area, etc. She would like CDM to do 4 outlines for riparian work and developer guidelines.
- With the development of Bingham Junction the storm drains are going to go into the river or close to it. Question: What is going to happen in this area when water is channelized into the river. Tom – Are there any velocity controls or requirements to control this? Response: The county has control over this and have cautioned the developers about putting retention ponds too close to the river. Comment: – The community wants parks over there, and retention ponds are not parks. Question: Does the planning zone have any control over what is put in? Response: The planning zone looks more at the site as a macro system, not in micro pieces. The developers designed it so there would be housing along river, which would limit the access of the green belt area by the river to the community. The green belt belongs to the city, and needs to have access for the community. They need to have a road to a parking area where you could use the river. That was taken under advisement by the builders, and planning and zoning will see what they come back with.
- Comment: The community needs to be engaged in the decisions that are being made right now, this is when the big decisions are being made.
- Rick Battison – The stakeholders meeting was a really good meeting.
- Fish and wildlife wants a little more control in what stream structures are being put in. The county has done research about the species of fish in the river. Depending on what they put in, the structures and shape of the river bottom will encourage different types of fish.
- Tony and Ray have been trying to connect with West Jordan. At the stakeholders meeting they had someone attend who works on the trail system. Someone from fish and wildlife was there.
- Midvale city will continue to coordinate and hold the stakeholder meetings.
- Steve – About the grouted boulder design – last time there was some uncertainty about if it would work. They now have definitive answers. The bearing weight of the soils is more than enough for it. It will behave as a large footprint rather than a lot of small ones. They have Ok'ed CDM's design on it. They will cut down the sheetpile dam level to where new structure will cover it. It's will be left in the channel bottom, and in the soil. They were concerned on the original design, which planned to increase the water level by 5 feet. They were concerned that the pool would be back at the bridge, and they wanted to stay away from the bridge. The new design increases the water level by 18 inches instead. It will vary with flow, but the pull length won't have any effect at the bridge. The new structure is going to be 300 feet structure now.

- It was going to be 500 feet. There is less slope to the structure. The whole 300 feet will be structured, and will also act as a spillway.
- It's designed to look like more of a natural structure. It will look more like boulders than concrete. They don't want boulders to be mobilized. It can be one complete structure. The decrease in slope will decrease the erosion on the slope banks as well. Question: How do you deal with settlements? Response: That's why they hired USGS to help with the process. To help answer those questions. Question: With having a 300 ft section of river permanent, will that be a problem if other parts of the river change? Response: They have funnel on both ends to accommodate change in the river.
 - USGS' project will go up to the south side of Sharon Steel. That's where they will start to take all their measurements and create their 2D model. They will go from there and go past the railroad bridge. Then they can put in different flows and see the velocity and changes to the river. It will help in planning the future. Comment – analyzing the river might be useful to those in charge of Utah lake, so they can see what their discharge is doing. Comment – it is amazing that Utah lake has to discharge it all when it reaches a certain level instead of slowly letting it out.
 - Tom – at some point in the near future (5 years) there will be an effort south of Sharon Steel to create some meanders. Fish and wildlife would like USGS to continue their survey further south. The meanders will soften the velocity further down.
 - USGS's study will also take into consideration water coming from Kennecott.
 - ◆ Other Updates
 - Latest on OU1 – They are still building that one section. They will be expanding a little further around to Winchester Estates. With the housing market, that will probably slow down a bit. There are 3-5 different builders involved in OU1. There are only building permits on that one section. They are starting to sell now. They thought they would all be sold before they were constructed. It has slowed down a lot. The commercial is trying to line up tenants. Once they get the tenants in line they will decide how much space they will develop.
 - Question: North of Jordan river blvd, how many developers are there? Response: Mercer owns the whole thing, but he subs it out. That's what's going to happen on Bingham Junction south, with Gardner.
 - Tom got a environmental study for Bingham Junction Boulevard. They had a category exclusion so they don't have to do a full study.
 - The wetland is sliding downhill as a functioning wetland, but when they get more water it will come back.

Next Meeting: January 3rd, 2008