

There were 148 pieces of steel pipe installed, and each piece of pipe is 40 feet long. The grouting operations began in December 2006. The first 2,000 feet of the tunnel grouting operations was completed from the Lake Hodges side, and now the contractor has moved the equipment to the shaft site. They are in the process of grouting about 4,000 feet of the tunnel from the Olivenhain side. They will continue the grout work from the shaft site for about five weeks. Kiewit is scheduled to be finished with the pipeline project in May 2007.

Archer Western, the pump station and inlet-outlet structure contractor, began excavating the pump station last summer, and they are also constructing the cofferdam, which will hold back the water in the lake while the inlet-outlet structure is constructed. The pump station excavation is scheduled to be complete in April 2007, and the cofferdam is scheduled to be complete in February 2007. Next, they will construct a tunnel to connect the pump station excavation and the inlet-outlet structure areas. After all of the excavation is complete, it will become a concrete project, with approximately 10,000 cubic yards of concrete needed to construct the pump station and inlet-outlet structure. It will take about 10 months to construct the pump station and to install all of the equipment inside the pump station.

Kelly Rodgers, Lake Hodges project manager, updated the community on the status of the landscape architect and the community's landscape planning committee. She said the request for proposals for a landscape architect will be going out in February 2007, and she expects to have a landscape architect on board by June 2007. The landscape committee is comprised of five volunteers: Debbie Davis, Mike Kratz, Suzette Amon, Donny Speer, and Lara Belice. The volunteers, Water Authority staff and landscape architect will meet to discuss ideas for landscaping at the staging and pump station areas. The landscape committee meetings are expected to start this summer, and the goal is to complete all of the landscaping plans by the end of 2007 or early 2008. The landscape architect will develop renderings of the pump station and the project site based on input received at the meetings. The architect will also come to the full Del Dios Town Council to present the ideas from the committee. Once the plans are finalized, the Water Authority will hire a landscape contractor to implement the plans.

Questions and Comments During the Presentation:

Q. How thick is the pipe?

A. Each piece is between ½ inch and 1-1/8 inch thick.

Q. Is the internal chamber of the pipe anti-corrosive?

A. The inside of the pipe is covered in an epoxy liner.

Q. Is the small space between the tunnel and pipe sealed now?

A. There is about one foot of space between the inside of the tunnel and the outside wall of the pipe and that is being filled with cellular grout. The first 2,000 feet of tunnel was completed from the Lake Hodges side, and now the contractor has moved the equipment to the shaft site. They are in the process of grouting about 4,000 feet of the tunnel from the Olivenhain side.

Q. How did you fill it in from the Lake Hodges side? Did you pump it in?

A. Yes, the grout material was pumped into the tunnel from the Lake Hodges side.

- Q. Will you fill in the whole area between the tunnel and the pipe, so the only access is through the pipe?
- A. Yes.
- Q. Where is the ground level on that diagram of the pump station (Joe was showing the cross-section diagram of the pump station)?
- A. The top 18 feet of the pump station is above ground.
- Q. Has there been much water in the pump station pit?
- A. No, the contractor built a wall to keep the water out, and now they've gotten to solid granite.
- Q. When the pump station is generating electricity, will you use wires to connect to the existing power lines?
- A. SDG&E already installed all of the power lines and poles. A 69 kV wire will be added, but they'll use the existing power line poles.
- Q. What's happening to the material from the excavation?
- A. The rock from the pump station excavation is being processed into six-inch rock and it's being used to fill the cofferdam cells. At the end of project when the cofferdam is removed, the rock will be used as backfill around the pump station.
- Q. How will you get the rock out of the cofferdam cells?
- A. The contractor will use a clam shell excavator to take the rock out of the cofferdam cells.
- Q. Do the electrical lines from the pump station end at Del Dios Highway?
- A. Yes, they connect to the local electrical grid on Del Dios Highway.
- Q. Will the outside of the pump station have any architectural finish?
- A. Right now the plan is to finish the pump station building with a desert varnish. The design of the pump station will be a part of the landscaping renderings that the landscape architect develops.
- Q. Will there be a mural on the pump station building like the horse wall at Olivenhain?
- A. There are no plans for a mural on the pump station building right now, but this could be something we discuss during the landscape committee meetings.

Note: Some members of the community believed the Water Authority had already said there would be a mural on the outside of the pump station building. After checking the past Del Dios Town Council meeting summaries from the presentations the Water Authority has made to the town council in the last five years, the Water Authority found that no commitment had been documented about including artwork on the pump station building.

The idea of artwork on the pump station building was originally brought up by a Del Dios community member at the Oct. 15, 2005, Del Dios Town Council meeting. The question and answer from that meeting summary is as follows:

Q. *During the Olivenhain Dam construction, an art project was incorporated in – is something like that planned for the pump station?*

A. *No art work is planned for the pump station. However, we would encourage your input for the pump station. The Water Authority didn't have a part in the decision making process for the art project during the dam construction. It was an Olivenhain Municipal Water District project.*

Q. *But, if we come up with a neat idea, you'll listen?*

A. *Yes.*

Q. Will there be any windows on the pump station building?

A. No.

Q. What if we backfilled the side of the pump station and made it a slope and then planted shrubs on the slope?

A. We'd like to have the landscape committee start meeting to discuss these ideas before we get too far into the details of what the site will look like when the project is complete. We pulled the landscaping out of Archer Western's contract so we have the latitude to make changes to the landscaping plans, based on the community's input. Our goal is to make it easy to incorporate the community's input into the plans, while still staying within budget and working with the Water Authority's Operations & Maintenance Department, the City of San Diego, and the San Dieguito River Park Joint Powers Authority.

C. We want a mural or something on the outside of the building. We don't want it to look like a Costco building or a prison.

Q. What is the landscaping budget?

A. The landscape architect's budget is \$50,000, and the landscape contractor's budget is \$350,000.

Q. Is there any leeway in the budget? That sounds low.

A. The bulk of the budget will be for the plants. Archer Western will do all of the rough grading of the site and hydroseeding. If we're very effective in our landscape committee meetings and there is extra money from the landscape architect's budget, that will go towards the landscape contractor.

C. We would like the landscape committee to come back to the Del Dios Town Council and ask for a vote from the community to make sure their plans are okay with the community.

Q. What direction are you sending the landscape architect in?

A. We'll give the landscape architect the landscape/irrigation plans and electronic files that were originally in Archer Western's contract. We've also developed the scope of work for the landscape architect, which includes meeting with the landscape committee and coming to the Del Dios Town Council meetings, developing boards and a PowerPoint presentation, and taking input from the community on the plans.

Q. Is the landscaping budget-driven?
A. Our in-house estimator did an estimate for the landscaping, and we added on to that to get our budget numbers.

Q. What is the acreage of the project site?
A. There are two different areas of the site. Overall, it's about 10 acres, but we'll have to confirm that number.

Note: The project team reviewed the plans after the meeting and determined that the area to be landscaped in the staging area and pump station is approximately 11 acres. Approximately five acres (staging area owned by the city) will be hydroseeded by Archer Western. Approximately six acres of hydroseeding will be completed by the landscape contractor. The planting of trees, shrubs, etc., at the pump station and staging areas will be discussed at the landscape committee meetings.

Q. Do the 10 acres include the trail?
A. The trail is separate. Archer Western will restore the trail as part of their contract.

Q. Will the cliffs on the sides of the site stay there?
A. No, Archer Western will grade the site and fill in the area between the pipeline and the pump station.

Q. Will we be able to provide input on the location of the road? Is there room for trees between the pump station building and the road?
A. The property for the road has already been purchased from the City of San Diego. There's not much space in the area between the pump station and the lake. The road and the trail both have to fit in that area.

Q. Do you have to get any input from any other organizations on the landscaping plans?
A. Yes. We've committed to involve the San Dieguito River Park Joint Powers Authority because the trail goes through the site. The city of San Diego owns the staging area part of the site, and the Water Authority is leasing land from the city. One of the lease requirements with the city is to construct a parking lot in the windsurfing area. The city will also need to review the types and locations of the plants. Also, the Water Authority's Operations & Maintenance Department will need to be consulted because they will be maintaining the site after construction is finished. We will get early input from the city and the Water Authority O&M staff on their requirements prior to commencing landscape committee meetings.

Q. Based on the budget numbers and the acreage of the site (stated above), it seems like it's only \$1 per square foot for the landscaping budget. Is that enough?
A. That number is not accurate because much of the area won't need any landscaping, plus there will be a parking lot, the pump station building, etc. Kelly stated that she increased the budget from the estimator's numbers.

Q. Is Kiewit done with their project?
A. No, they will be finished in May 2007.

- Q. Is Kiewit responsible for backfilling the site?
A. No, Archer Western is responsible for that.
- Q. How much distance is between the pump station building and the road?
A. About 50 feet.
- Q. Will there be fencing around the building? Will it be barbed wire fencing?
A. There will be a security fence around the building, but it will not be barbed wire. The architect will put the fence in the plans.
- Q. Will the fence around the trail be taken down?
A. Yes, when the project is complete the fence around the trail will be taken down.
- Q. What will the material of the road be?
A. Decomposed granite.
- Q. How big will the parking lot be?
A. The Water Authority's lease with the city of San Diego states that it will be big enough to hold 50 cars. It will be located near the windsurfing area.
- Q. Will the big building that's in that area now be removed?
A. Yes, it will be removed at the end of the project.
- Q. Will the "big city" of buildings in the staging area be gone?
A. Yes, the staging area trailers will be removed at the end of the project, and that area will be a part of the landscaping plans.
- Q. Will the parking lot be made of asphalt?
A. No.
- Q. Will there be any trees in the parking lot?
A. We can talk about that during the landscape committee meetings, but that will also have to be approved by the city of San Diego.
- Q. When will you be pouring the concrete for the last 18 feet of the pump station building (the portion of the building above ground)?
A. Approximately spring 2008.
- Q. Has the Water Authority already made up its mind about giving money to the San Dieguito River Park JPA for the trail?
A. That issue will be going to the Water Authority's board of directors at the Jan. 25, 2007, meeting. We do not have any current information, but board memos will be available on our website about a week before the board meeting.

- Q. Would it make a difference to have members of the community make a comment to the board?
- A. Public comments are welcome at board meetings. The information about the board meeting will be posted on the Water Authority's website.

Joe Bride and Kelly Rodgers concluded the session by thanking everyone for attending.

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Pictures Shown During the Presentation



Lake Hodges to Olivenhain tunnel.



Lake Hodges to Olivenhain tunnel at the Lake Hodges side looking out.



Steel pipe segments to be installed in the tunnel (each one is 40 feet long).



Welding the steel pipe pieces together.



Cellular grout mix batch plant equipment (used to make the grout, which is then pumped into the tunnel to seal the area between the tunnel and the pipe).



Pump station excavation (in the foreground) and the cofferdam construction (in the background).



Excavator working inside the pump station pit.



Drilling equipment inside the pump station pit is used to drill holes in the rock.



Excavator digging material out of the pump station pit.



Cofferdam construction is nearly complete. Once it is done, the water will be pumped out, and then construction will begin on the inlet-outlet structure.