

# MARANA DOMESTIC WATER IMPROVEMENT DISTRICT

Draft Board of Directors Meeting Minutes

September 10, 2012

The Board of Directors of the Marana Domestic Water Improvement District met in session at the Marana Domestic Water Improvement District Office 16560 West El Tiro Road Marana, Arizona at **4:00 P.M. on Monday, September 10, 2012**

## 1. Call to order and Pledge of Allegiance

Chairman Mr. Sostarich called the meeting to order at 4:07 P.M.

Mr. Sostarich ask Mr. Kendrick to lead the Pledge of Allegiance.

## 2. Roll Call

Upon roll call, those present were as follows:

Board Members Present were;  
Anthony Sostarich, Chairman  
Gary Kendrick, Vice-Chairman  
Don Peetoom  
Michael Young  
Teresa Ball-Cummings, Absent

Staff Members present were;  
System Manager, Sig Danielson  
Field Technician, Tony Griggers  
Clerk, L. Katy Walker

5 members of the Public and Employee Tony Griggers present

## 3. Consent items

1. Approval of meeting minutes from the August 6, 2012 meeting

Mr. Kendrick: First I would like to make a statement.

Mr. Sostarich: Yes.

Mr. Kendrick: There's a lot of, still there's a lot of over, inaudibles that she can't hear because everybody's talking, mainly from back there. You gotta wait for people to stop talking and to stop interrupting the people so she can correctly hear what's going on and properly document it. That's all I have.

Mr. Sostarich: Your thoughts have been noted, the important things are highlighted.

It was moved by Mr. Kendrick, seconded by Mr. Peetoom and carried unanimously that; **The minutes of the August 6, 2011 meeting of the Marana Domestic Water Improvement District shall be approved as presented.**

4 Ayes            0 Opposed

## 4. System Manager's Report

1. Mr. Danielson reported: We've not had any problems with the system since the last BOD meeting. We have had 3 service line leaks that have been repaired. We also now have 2 new ones, both on Savage, that we need to be repairing. The staff is working on the annual audit and they're setting up to have the accountant to come out either later this week or early next week. I've got a carpenter, construction guy coming in tomorrow to look at these buildings over to do some repair work out here. We've got a leaky roof on the other building. The door frame is rotted off here. The door frame is in bad shape over there. We've got some issues with walls, some cracking and other things to be fixed. I said the leaky roof, a few minor maintenance type stuff. This guy, I've known him for several years, he's real good, he did the remodeling at my house. He's got a crew of himself and up to 4 people, including himself that he can throw at a job. He'll be out tomorrow afternoon for a walk through, and then do measuring and get everything figured out.
2. August billing included 162 late notices, which is higher than average.
3. We did 4 shutoffs in August for nonpayment, which is slightly below average.

|                                 |              |
|---------------------------------|--------------|
| Accounts Payable                | \$ 36,712.15 |
| Capital Expenditures            | \$ 0         |
| Accounts Receivable             | \$ 43,855.05 |
| Balance                         | \$ 7,142.90  |
| MDWID Balances Brought Forward: |              |
| MDWID Balance at Pima County    | \$ 98,475.00 |
| N B of AZ Checking              | \$ 10,000.00 |
| WIFA Reserve Account            | \$59,469.81  |
| RD General Account              | \$ 354.97    |
| RD Reserve Account              | \$ 14,493.83 |
| RD O&M Account                  | \$ 9,351.52  |
| RD Replacement Account          | \$ 7,887.50  |
| RD Bond Account                 | \$19,709.54  |
| Bills Pending Balance           | \$ 1,624.92  |

That concludes the Managers Report.

Mr. Sostarich: Any questions for Sig?

Mr. Kendrick: Yeah, on this in August, 2012, the 9,892 spent for salaries, that was just for the extra paycheck, right, in the month?

Mr. Danielson: That is correct, and our fringes are way down, because we didn't get billed from on medical until the 30<sup>th</sup> of the month, or the 29<sup>th</sup> of the month, or something like that, so we're gonna have a double whammy in September, and I don't know why it happens, but it happens just about every year in August, the medical bill is way late and then we end up paying twice in September.

Mr. Kendrick: And, one more question, just on the bank account we have in Marana for \$10,000, that's just a straight checking account, we never see any interest, right, there's no interest gained on it?

Mr. Danielson: No, and it actually isn't quite \$10,000, there's some service fees that have been deducted from that. That is strictly in order to pay our Federal Taxes.

Mr. Kendrick: Yeah.

Mr. Sostarich: Any other questions for Sig on System Managers Report?

Mr. Kendrick: Just on the carpenters work, are you gonna have more than 1 person come and give estimates?

Mr. Danielson: Just that one guy come give an estimate, he's reputable, I like the guy, he's good and he's quick.

## **5. Call for Public Comment (limit 3 minutes)**

Mr. Sostarich: No Public Comments

## **6. Discussion and Possible Action concerning Deanne Clark property at Tiro Road.**

Mr. Clark: That's me, well it's my wife, it's in my wifes name. I'm just concerned about the bill. It jumped from 18,000 gallons of usage the prior month to 250,000 gallons. I don't have any wet spots, I've checked toilets, I've checked under the house, I've checked all my irrigation. In fact, all my irrigation, since the monsoon started, I've shut all the irrigation off, so I should be using less water instead of jumping up to 250,000 gallons from 18,000. I think something is wrong with the meter.

Mr. Kendrick: Is that one of the new meters, the magnetic ones?

Mr. Danielson: Yes.

Mr. Griggers: Yeah.

Mr. Danielson: That meter's got less than 10 % of it's expected lifetime.

Mr. Kendrick: Has it been tested?

Mr. Danielson: Not yet.

Mr. Griggers: Basically what happened was I got high use alert on my rereads, so I went over there and opened the box, seen it was spinning, I went and got him, said hey, your meter's spinning, come

check it out. We went over there, looked at it, I took the angle meter key over there, turned it off, it stopped spinning, turned it off, it spun again, and basically that's pretty much it.

Mr. Clark: After we did that, I went up to the house and shut the main water off to the house, stopped the meter, went back out, checked it, it was stopped, went back up, turned it back on, and the meter did start back up. That's when I decided to crawl under the house, see if there was anything leaking or whatever, checked all the outside faucets, nothing running. I just have no idea where the water, if the water actually went through the meter, where it went.

Mr. Kendrick: I think for that much usage there would be a wet spot.

Mr. Clark: Yeah, I mean, I can understand.

Mr. Griggers: Like I said earlier to these guys, there was a wet spot but he said it was a puddle there that exists, because the neighbor graded the road and made a big hole right there. It's feasible because there's 2 Oleanders that are bigger than the rest of them, that was the only thing I pointed out to him.

Mr. Clark: Yeah, there are a couple of them that are really high. He had a water leak last year, right across from his meter, wasn't it, and the guy across the easement?

Mr. Griggers: Yeah one was a saddle leak and then he had a meter leaking too in the same spot.

Mr. Clark: Those Oleanders, they went boom, they took off. The rest of them is like 8 or 10, 15 of them down through there, they just stayed normal height, but the other 2 grew exceptionally tall. But we knew they had the water leak in the easement.

Mr. Kendrick: Tony, Sig, how much trouble would it be to swap out the meter, just to make sure, double check that it's

Mr. Griggers: Well we've got all the equipment to do that, but that's up to you guys, how you want to work that out. We've got a calibrated tank, I got to put it back together, the PVC is starting to rot because we haven't tested one in a while, you know Arizona.

Mr. Sostarich: What's the essence here, you're saying your water bill has jumped cause the water meter is showing a higher level of usage?

Mr. Clark: Yeah, it jumped from 18,000 gallons in the last 2 months to 250,000 this last reading.

Mr. Sostarich: And you talked to Tony about it, what did he recommend?

Mr. Clark: That's up to you guys, I'm totally new at this, we've never had a real major problem, we've had some spikes, but we had water leaks and I took care of it. I'm not gonna argue on a small spike on water usage, but when it jumps to 250,000 gallons.

Mr. Kendrick: Yeah.

Mr. Sostarich: Do you think there's something wrong with the meter then?

Mr. Clark: I think there is, yeah.

Mr. Sostarich: Okay.

Mr. Kendrick: Mr. Chairman?

Mr. Sostarich: What?

Mr. Clark: I don't know how, exactly how the meters work.

Mr. Kendrick: I would suggest that we swap out the meter, turn back on his water, see if that meter continues to spin out of control.

Mr. Griggers: See that's, that right there would be, just this meter right here is what, \$175 plus the top, you're looking at 300 bucks right there, probably close to.

Mr. Sostarich: He's got a good idea, but let's go a little bit further than this. How about if we, we'll meet you halfway on this, all right? How about if we replace the meter and if the new meter, take the meter out and test it, all right?

Mr. Clark: Let me make you an offer.

Mr. Sostarich: All right.

Mr. Clark: I've been checking the meter every day, okay? On the average, it's about 240 to 250 gallons a day, okay. In the first 10 days that I checked it, we used 3520 gallons. So let me just check the meter for another period and see if we get another spike, cause I'm checking it every day.

Mr. Kendrick: So it's not spinning out of, spinning out of control any more?

Mr. Clark: It's not spinning out of control right now, let me just, rather than have him dig that up.

Mr. Kendrick: Because a leak is not going to fix itself.

Mr. Clark: Right, exactly and I'm looking for leaks, you understand what I'm saying?

Mr. Sostarich: Yeah.

Mr. Clark: I just checked the meter before I left the house, it's dead stopped, it ain't running at all, so I don't know what's going on.

Mr. Young: Mr. Chairman?

Mr. Sostarich: Yes.

Mr. Young: We've been having some pretty good lightning strikes around here, would that affect one of these magnetic meters?

Mr. Griggers: Not possible. I got it tore apart where I can show you guys how it works. It's a magnetic drive, if anything goes wrong in this, all it's gonna do is give free water.

Mr. Young: All right.

Mr. Sostarich: We've been through this before though.

Mr. Kendrick: A couple of times.

Mr. Danielson: A meter fails to nothing, it doesn't fail to running out of control.

Mr. Griggers: The Bermuda Triangle, some kind of magnetic force.

Mr. Sostarich: We've had this episode before.

Mr. Kendrick: A leak wouldn't fix itself, so in essence, it should continue to spin out of control, if my thinking is correct, and it's not.

Mr. Griggers: To an extent, a toilet flapper could do that, it could fix itself.

Mr. Sostarich: Not 250,000.

Mr. Griggers: No, 250,000, that's impossible, a flapper couldn't do that.

Mr. Kendrick: You would have to have 10 toilets.

Mr. Griggers: What I suggested, is watch around, watch his neighbors and stuff. That's my opinion.

Mr. Sostarich: You think somebody might be tapping in to his system?

Mr. Griggers: I mean, he's got everything pretty much organized over there, all the valves are set up.

Mr. Sostarich: He made an offer to keep an eye on it.

Mr. Kendrick: Yeah.

Mr. Clark: I'm retired, I've got nothing else to do. I can walk out there every morning at 7:00 and check it, it don't bother me a bit.

Mr. Kendrick: Yeah, that's a good idea.

Mr. Clark: If it will help you guys and it will help us, I'm for it. But a \$1500 water bill, I'm sorry, I'm on a fixed income. I don't make that kind of money, you know what I'm saying? My wife works, but behind every successful rancher has a woman who works in town, right?

Mr. Kendrick: Amen.

Mr. Griggers: What if it happens again?

(inaudible overlapping statements)

Mr. Sostarich: He said he's going to keep an eye on it, let's hear from him. It falls in his court.

Mr. Clark: If it happens again, Tony will be the first one or this gentleman here will get my call. I'll shut the meter off and they can come and look at it right then. If it's available for them, you know, I'm not gonna demand that they pop right down there right at that minute, but you know when they can get to it, within a reasonable length of time.

Mr. Kendrick: I would suggest maybe if it does happen again, then we swap out the meter at that time, if it does happen again and then he'll continue to check it and just go from there.

Mr. Griggers: I think he should keep a close eye around his house, cause I can't see that it should shoot 250,000 gallons through, it's not possible, it's foolproof.

Mr. Sostarich: What do you think, Sig?

Mr. Danielson: Here's my suggestion, is we put a hold on the account for the time being, until we do some further investigation, okay? Then we run through that irrigation system, one area at a time, but at the same time look to see if there's any wet spot that looks that it might not be quite right or something like that. Also, is it on a regular timer system?

Mr. Clark: The irrigation?

Mr. Danielson: Yes.

Mr. Kendrick: But it's off now.

Mr. Clark: Right now they're off, cause if it's raining, I don't need to irrigate right now.

Mr. Danielson: Yeah, well let's, my suggestion is, do you run the irrigation during the day?

Mr. Clark: No, I don't run it all right now.

Mr. Danielson: But when you run it, when do you run it?

Mr. Clark: Oh, well, it's on timers, it runs every 7 days, most of them run 30 minutes at a time, and that's all the irrigation they get.

Mr. Danielson: During the day, correct?

Mr. Clark: Yeah, cause I usually start about 7:00 A.M. in the morning.

Mr. Danielson: Okay, what I would, okay further suggestion, turn it back on and let it run through a cycle and let's track the use for each individual cycle, I don't know how many, how many zones do you have?

Mr. Clark: 1,2,3,4,5,6,7.

Mr. Danielson: Okay 7 zones? Let's figure out how many emitters are on each zone and let's look at use on each individual zone, maybe we can figure out something from there and we'll just hold, put the bill on hold.

Mr. Peetoom: Table it.

Mr. Danielson: Table this agenda item until next month is my recommendation to the Board.

Mr. Griggers: See I've got an opinion on how that could have happened.

Mr. Danielson: Go ahead.

Mr. Griggers: We just did all that work down there on that main line, you know, putting that saddle in, maybe a pebble got stuck in one of those valves for his timer.

Mr. Danielson: Could be.

Mr. Griggers: Cause he's got 1-inch line running through his irrigation in some spots, right?

Mr. Clark: Yeah.

Mr. Danielson: That is also an area that we worked in very recently too.

Mr. Griggers: 250,000 gallons could go through like that.

Mr. Kendrick: You would notice that amount of water, wouldn't he?

Mr. Clark: I remember when we had a saddle leak, remember when we had one at that address? We had water standing in the easement and it had only been leaking like a week, but you couldn't even walk in the easement, it was so wet.

Mr. Kendrick: 250,000, that's what, 10 inches deep for an acre?

Mr. Clark: On an acre, that's 10 inches of water.

Mr. Kendrick: Yeah.

Mr. Griggers: But what I'm getting at is, you can't, the water passed through this meter, guaranteed it passed through that meter.

(inaudible overlapping statements)

Mr. Danielson: Well, let's continue working with Mr. Clark and see if we can resolve this. I will relate a story to the Board that happened shortly after the District took over. I had a customer from the South End call me, he said there's no way his water use could be that high, that his meter was spinning, and went out there and started looking around his property, he showed me, he said that's the only leak I know I've got, but he was still running about 3 gallons a minute. We started looking around, looking around, finally spotted something way on the back of his property, and he lives on Volk Road, and I said what's that back there, he said that's an old hose bib that I don't use any more. We walked back there, the hose bib was turned on, with the hose going down in the wash, and it was that high grass for about the size of this room in the wash and his response was "oops."

Mr. Kendrick: Yeah.

Mr. Clark: Well that's the first thing, when Tony notified me, the first thing I done after we shut the meter off, I walked around and checked the entire acre, I don't have a wet spot.

Mr. Danielson: Uh-huh, okay, well we'll continue to work with you, Mr. Clark, so that's my recommendation.

Mr. Kendrick: That meter, does for that meter to rotate and to change numbers, does water have to pass through it for it to change numbers?

Mr. Danielson: Yes, absolutely, it is a positive displacement meter.

(inaudible overlapping statements)

Mr. Kendrick: It's not one of those where nothing has to pass through to change it?

Mr. Danielson: No.

Mr. Kendrick: Okay.

(inaudible overlapping statements)

Mr. Griggers: But it's a fairly new meter.

Mr. Danielson: It's less than 10% on it's life, it's had about 1.3 million gallons go through that meter. The economic life of a meter is about 15 million gallons. After 15 million gallons, it's starting to fail and it's time to replace.

(inaudible overlapping statements)

Mr. Clark: I've got a few million gallons to go but if it keeps running like it's been, I'll go through it in a heartbeat.

Mr. Sostarich: Is there anybody present that disagrees with Sig's suggestion?

Mr. Peetoom: I favor it.

Mr. Sostarich: Everybody else favor it?

Mr. Kendrick: Yes.

Mr. Young: Yes.

Mr. Sostarich: Okay, we'll move with Sig's suggestion then, which is work with the customer Who's going to monitor the meter movement.

Mr. Griggers: Does anybody want to see how this meter works or do you want me to go?

Mr. Danielson: We're done with you.

Mr. Sostarich: We've already seen how this meter works.

Mr. Kendrick: The customer would like to see it.

Mr. Danielson: Okay.

Mr. Clark: I'm satisfied with your explanation.

Mr. Sims: Is this typical of all meters?

Mr. Danielson: Yes.

Mr. Griggers: These are SR2s, they're through the whole system, the only difference is, we put a touch read head on some of them. Down by your guys place down there, there's no touch heads on them and they been in there for a while, so you guys, it's like Christmas for you guys. You get more water for your buck.

Mr. Kendrick: I think we need to replace those meters.

Mr. Young: We need to put Mr. Clark's meter down in their area.

Mr. Sostarich: You had mentioned earlier, Tony, you don't see how that could happen. I've seen twice, on 2 different valving systems, where something like that could happen.

Mr. Griggers: What the back flow?

Mr. Sostarich: No, the discontinuity between turning it off, like you said, he turned it off, he turned the valves off, he turned the water off, he turned it back on, there wasn't, the turbine wasn't spinning.

Mr. Griggers: The only way it seemed, I shut the main valve off to the meter when I showed it to him.

Mr. Sostarich: That's a globe valve, right?

Mr. Danielson: Ball valve.

Mr. Sostarich: Ball valve.

Mr. Griggers Yeah and when I shut it off, it slowed down and stopped just like it should.

Mr. Sostarich: Reducing the pressure on the downstream side, allowing valves that were already shut off, to actually seat, particularly if they're the plunger type.

Mr. Danielson: Yep.

Mr. Sostarich: That you screw down.

(inaudible overlapping statements)

Mr. Sostarich: Not a ball valve, the kind that you screw down.

(inaudible overlapping statements)

Mr. Sostarich: Not a gate valve, a circular, a pop it type valve that you screw down.

Mr. Danielson: Oh, okay, yeah.

Mr. Sostarich: Well the bottom line is, I've seen 2 episodes where that has happened.

One was on a water system and one was on a Propane System, on 3 different unrelated Propane Systems. I've found irregularities.

Mr. Griggers: It run backward, is that what you're saying?

Mr. Sostarich: No, it didn't run backward, it, I've had valve issues, flow issues.

Mr. Griggers: Oh, okay, I got you.

Mr. Sostarich: Any further comments on item # 6?

Mr. Kendrick: No, for now we're just going to table it.

Mr. Sostarich: That's correct, we're going to agree with Sig's recommendation, we're gonna move forward with that.

## **7. Discussion and Possible Action concerning USDA-RD Grant and Loan Program/Application**

Mr. Danielson: Okay I actually promised the Board this at the last meeting and I was not able to get it done. In July we looked at the potential funding options and what we have to do as far as rates would go in order to fund various things. I ask to table it, I did say to the Board that I would put together at least an analysis of the preliminary Engineering Report and the 27 items that were on there and you've got a copy of the original analysis that I finished up Friday afternoon at 1. Well basically, while this does need a little bit more work, but of the 27 projects that we identified for 2.2 million dollars that we applied to RD for, that we don't think will be funded, the about half, or a little bit more than half of it is just with replacing the 4-inch line over here in the area between Anway, Musket, El Tiro and Moore. Then we looked at, in that area, while it is undersized pipe, we do have hydraulic issues, we don't have, we would have hydraulic issues if we had any fire hydrants over in that area, we don't. 4-inch line is big enough for what draw we have on the system since it's all primarily residential and yeah the pipe is in excess of 40 years old, but we haven't had any trouble with the pipe yet. Looked at a couple other areas, project 6,7,16 and 22 for a hundred thousand dollars, or a hundred and two thousand dollars is a brilliant idea, they are interconnect projects that, they're nice to have in order to fully loop systems, but that kind of stuff, but everybody's got dead ends in their systems and that's a hundred and two thousand that we really don't need to spend. Project #10 is to replace the 4-inch ABS along Flintlock Road and heading up toward Tony's house. Well ABS may be primarily electrical conduit but we did, when I was working at San Manuel Well we used ABS for water and for air. The area over here by Marana Vet clinic, that little triangle in there, that entire system is all ABS. So it's something that probably shouldn't have been used for the water line, but it's been in there for 40 plus years and it's working okay. Projects 4,5,9,21 for Three-hundred and forty-four thousand for under-sized line replacements and that would be again to foster fire flow and fire hydrants through the system. Project #11 for fifty-seven thousand is for fire hydrants and without replacing the 4-inch line we can't support the thousand gallons a minute fire flow that the fire department wants anyway. That would have been option four of the original PER that we replace all the 4-inch line with 8-inch line and it still would have been questionable without at least another probably half million to three-quarter million dollars worth of additional line upgrades plus an upgrade to the booster station, just to handle up here, that's not even thinking about what we need to do at the South end. Project #8 is sixteen-thousand-five-hundred for blue poly service line replacement. We've been replacing them as necessary, when they get a hole in them, we dig them up, fix them and get, help me out, Ernie's crew in here to pave it, and Ernie's really proud of his paving work. Project 23 is nineteen-thousand for the SCADA system, we can go with what we've got for the time being. Project 24 is automatic transfer switches for the generator sets and project 26 was pot-holing equipment. Both of them are luxuries that we can live without. Project 25 is for twelve-thousand-five-hundred for office computer upgrades. We've done about half of it on operating money, we've put some extra money in the budget, 16, 17 months ago just in order to do that because we figured we'd be forced in to it and we were. Project 27 was for PER report and that's been paid. So we have project #1 which was replacement of various valves throughout the system and item 2 was automatic read meters. I feel we should work on both projects and what I'm gonna try to do, and this is more a report rather than requiring any action by the Board. What I will do between this meeting and the next meeting is try to sit down and take a look at where we're at on various things and probably try to spend about twelve to fifteen-thousand dollars per year over the next years in order to do valves and meters. Questions?

Mr. Sostarich: I thought we already settled the valve issue.

Mr. Danielson: Yes we pretty much have, yes, this is just really an update.

Mr. Peetoom: I've got a question. How many more touch read meters, you know like we had, how many we still got to get in to the system?

Mr. Danielson: Okay the old Marana Water Service North area, there are five-hundred meters here, they're all done. IM Water was 90 meters, out here, up there, half of them. Okay so, lets error on the side of caution, 50 of them up there. South end, 200 meters, about a third done?

Mr. Griggers: Down on the South end?

Mr. Danielson: Quarter? Say probably 225 meters to replace.

Mr. Peetoom: Okay.

Mr. Sostarich: In other words, about a third.

Mr. Danielson: About a third, yes.

Mr. Sostarich: Hit it.

Mr. Kendrick: I just have a, when we dig up a road, like we did Weatherby, what cost do we incur for repaving? You said we have Ernie do that?

Mr. Danielson: Yes Ernie Smith, Dos Llaves Enterprises, LLC. I think he charges fourteen-hundred bucks to do pavement patch. The one we done over here on Sandy that we dug up was about 675.

Mr. Kendrick: I mean, does he charge you like square foot by square foot?

Mr. Danielson: I think that's basically what he does, plus how much prep work he's got to do, get in, because we'll bring it up to the road surface, then is guys have got to go back in there and you know, drop it back down a couple of inches for the paving, then put the paving in.

Mr. Sostarich: Does he do a better job than the county has been doing on Flintlock?

Mr. Kendrick: Yeah.

Mr. Danielson: I agree with Tony.

Mr. Sostarich: I recommend everybody get rack-n-pinion type steering for their cars these days.

Mr. Young: On the Grant, did you ever get over that one guys head to the the boss that owes you a favor, did you ever get with him?

Mr. Danielson: Yeah, it's in Washington, he doesn't have any influence over it either.

Mr. Peetoom: They might do it when the Republicans get in.

Mr. Danielson: Yeah, who knows, maybe we'll get the Grant three years from now.

Mr. Kendrick: Now the Fire Department, or the fire hydrants, you said we need a thousand gallons of flow?

Mr. Danielson: Uh-huh.

Mr. Kendrick: What do we have now with the 4-inch?

Mr. Danielson: 4-inch line on a loop system, 4-inch line, most water you're gonna get through a 4-inch line is 320 gallons a minute.

Mr. Kendrick: Okay so that's quite a difference.

Mr. Danielson: If it's a loop system that you don't have a restriction on either end so that you can feed both ends through a fire hydrant, you're probably looking at 340, that would be 680, but you're gonna have to have the, but the most you're gonna be able to tap that at, a 4-inch is probably gonna be right at three to three and a quarter, which friction loss in effect in there, most you're gonna get out of a fire hydrant on a six-inch line is probably gonna be 580, 600 gallons, and that's at with a 50 PSI pressure drop.

Mr. Kendrick: And the Fire Department has no obligation of helping us with the cost of putting in fire hydrants and changing them?

Mr. Danielson: Back several years ago, Barry Gerber got, did receive a grant to put in fire hydrants and he got a basically fifty-thousand grant, is that the right number, I can't remember, it's been too many years ago. He got a grant to put in fire hydrants. I worked with Tom Nix who was the

Mr. Kendrick: The last Fire Chief.

Mr. Danielson: the last Fire Chief and the Fire Marshall at the time and we identified where we felt we could at least support 7, 800 gallons a minute or maybe even 1000 gallons a minute on six-inch lines and where we had very little restrictions to the 6-inch lines. So we put in a total of eight fire hydrants and by the time we got permitting done and everything else, it roughly cost us about 80% of the grant money. We turned around and since he wanted us to run the project, we charged him 10% of the total grant for construction management, which Sig Danielson did the construction management and Sig Danielson would have rather had that 10% in his back pocket rather than the Districts back pocket but

Mr. Sostarich: Can't have everything.

Mr. Danielson: Can't have everything. The other 10% went to put in a couple of upgrade hydrants over in the Tucson Water area that we had no part of.

Mr. Kendrick: Thank you.

Mr. Sostarich: I've got a question regarding fire hydrants. Having read the meeting minutes of last month. If the developer put in that bastard fire hydrant, then why are we liable?

Mr. Danielson: We aren't.

Mr. Sostarich: End of line. Any other questions for Sig on item 7?

Mr. Kendrick: Is that the fire hydrant we were talking about last month from?

Mr. Sostarich: Yeah the one with the insurance guy, the fellow that claims that his insurance went up.

Mr. Young: Larry Stewart.

Mr. Kendrick: Larry Stewart.

Mr. Sostarich: Yeah.

Mr. Danielson: Excuse me, I checked with a couple different insurance companies, whether there's a fire hydrant or not out here, in this rural area, it's your proximity to the Fire Department is what governs it. How far you physically are away from the firehouse.

**8. Discussion and Possible action concerning Administrative Details.**

Mr. Sostarich: Anybody got anything they want to bring up? I do, because there's 2 Tony's here, you may refer to me as Anthony, all right? That's the name I go by professionally at work, we've already got 1 Tony here. Any other Administrative Details?

**9. Announcement of Next Scheduled Meeting**

Mr. Sostarich: That would be

Mr. Kendrick: October 15<sup>th</sup>.

Mr. Sostarich: 15<sup>th</sup> of October at 4:00 P.M.

**10. Adjournment**

It was moved by Mr. Peetoom, seconded by Mr. Kendrick and unanimously carried that; **This meeting of the Board of Directors of the District shall be adjourned.** **Marana Domestic Water Improvement**

**4 Ayes          0 Opposed**

The meeting was adjourned at 4:52 P.M.

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Minutes prepared by  
L. Katy Walker  
**Clerk of the Board**