



<b>Project Name:</b>	Ekota Dry Pond and Menisa Storm Relief		
<b>Branch/Section:</b>	Utilities Infrastructure		
<b>Project Manager:</b>	Minnan Liu	<b>Recorded by:</b>	Brad Kerr/Nathan Forsyth (Sameng)
<b>Date:</b>	Monday March 21, 2016	<b>Time:</b>	7:00-9:00 PM
<b>Location:</b>	St Clement School, 7620 Mill Woods Rd S NW, Edmonton, AB T6K 2P7		

**Attendees (See Appendix A for Public Sign-In sheets):**

<b>Representative</b>	<b>Representing (Company or Branch/Section)</b>
Minnan Liu	City of Edmonton – Utilities Infrastructure
Gary Fei	City of Edmonton – Utilities Infrastructure
Michelle Kauffman	City of Edmonton – Communications
David Yue	Sameng Inc
Nathan Forsyth	Sameng Inc
Brad Kerr	Sameng Inc
Brandon Rivet	Sameng Inc
Spencer Tiedemann	Sureway Construction Group Ltd
Ryan Reich	Sureway Construction Group Ltd

<b>Item</b>	<b>Discussion</b>	<b>Action / Assignment</b>
<b>1.0</b>	<b>Introduction</b>	
1.1	Minnan Liu (City of Edmonton) gave a brief introduction to the project and the purpose and intent of the assembly at the open house.	INFO
<b>2.0</b>	<b>Project Presentation</b>	
2.1	<p>David Yue (Sameng) gave a presentation with slideshow of the project scope and objectives (see Appendix B for a copy of the presentation slides):</p> <ul style="list-style-type: none"> <li>• The Ekota Dry pond will occupy most of the yard around St. Clement School</li> <li>• New pipes under the walkway will be installed by trenchless method between the Menisa and Father Ivor Daniel Parks</li> <li>• Open cut installation of storm pipe in the remaining areas</li> <li>• There will be truck activity on the roadways and partial/full closures during pipe construction.</li> <li>• Majority of the project is proposed to be completed by fall 2016 weather permitting, with cleanup and final works to be done in the spring of 2017.</li> </ul>	INFO
<b>3.0</b>	<b>Summary of Attendance</b>	
3.1	Approximately 75 people from 58 addresses attended this meeting, plus staff	INFO

	from St. Clements and Menisa School. All but 3 attendees had a Mill Woods postal code. Feedback forms were given to everyone and 21 forms were received back. Feedback forms are summarized at the end of this document.	
<b>4.0</b>	<b>Questions and Answers</b>	
4.1	David Yue led a question and answer period, with the assistance of Minnan Liu, Spencer Tiedemann and Ryan Reich. See below for the summary of this activity. This was then followed by an informal open discussion session in front of display boards (see Appendix C for a copy of the display boards).	INFO

**What is the typical proposed construction work week, 5 or 7 day a week, hours?**

- (Sureway) When school is in session, work hours will be 9am - 9pm, 6 days a week, Monday through Saturday. When school is out, work hours will be from 7am to 7pm, Monday through Saturday. May work outside these hours but within City Bylaw when required to meet schedule. Sundays may be added as well if it is needed to meet schedule constraints.

**Will there be added lighting in the park?**

- (Sameng) There is no intention to add additional lighting beyond what currently exists in the park.

**Is the section of pipe installation along 75<sup>th</sup> street going to be done trenchlessly; without excavation?**

- (Sureway) This section will be open excavated for the pipe installation. Sureway will work with those with directly affected access, they will give advanced notice of any local work, and they will work with the homeowner to determine the most suitable hours of work. Pedestrian access will be maintained to homes, however, at certain times vehicle access may be restricted but supplemental parking accommodation will be made where possible.

**Where will the haul route be? Is Knottwood Road to 66<sup>th</sup> Street affected?**

- (Sameng) The haul route for the pond excavation, which is the majority of the construction truck traffic, will use Mill Woods Road S, eastbound to 66<sup>th</sup> Street. The only construction traffic on Knottwood Road will be to support pipe installation and will be a much lighter volume.

**In any future references, it would be helpful to identify Mill Woods and Knottwood Roads by their North, East, South and West sections, as this is how residents know the area.**

- (Sameng) We will endeavor to clearly identify these roads sections in future communications.

**What assurances do we have about the finished product quality, particularly in the ponds and sports fields?**

- (Sameng) All the sports equipment will be new, the fields will be sodded along with any other disturbed grass areas within the scope of the project to ensure quick re-establishment of those areas, and all work will be inspected by the City and is subject to warranty through Sureway.

**What are the walkways within the park going to be?**

- (Sameng) They will be concrete trails, 1.5m wide.

**There are mature elm trees along the side of the pond that are going to be taken out. It also seems like more trees are being removed than replaced, we want this to stay feeling like a park.**

- (Sameng) All trees around the park, excepting two, that are to be removed already have been relocated within the park. The net planting will be positive, with significantly more added than relocated. Detailed landscaping drawings are on file with the City.

**Street parking in the area is already an issue, how is parking for Sureway going to be accommodated? Has thought been given to approaching the local church or other businesses with parking lots?**

- (Sureway) There are options to work with local businesses regarding finding parking, this is something Sureway has done on previous projects and will look into as plans develop for this project. Parking for construction staff will also be done within the park construction boundaries.

**For the new walkways around the perimeter of the pond, why is there no lighting being added? Was this considered?**

- (Sameng) This was considered and it was determined that for the type of trail and its anticipated use as a minor connector trail, it is not a requirement to add lighting. There are also additional concerns regarding the addition of lighting, such as added electrical system installation, stray light impact on properties adjacent to the pond.

**During digging for the pipe installations, are there increased risks of flooding of homes? How will the contractor mitigate these risks? If a Sewer backup occurs, who covers this? What contingency plans are there for this type of occurrence?**

- (Sureway, Sameng) The existing utilities have been hydrovac'd and located. Coordination with the utility owners is being managed and ongoing and will be throughout construction. Sureway has the resources and experience available to perform emergency repairs if damage of this type occurs. Sureway's project insurance would cover any damages resulting from these activities, and would initiate reparative actions. Any utility service connection crossings will be managed. Generally the risk is much greater of flooding Sureway's working trench than of causing flooding to any of the homes in the area.

**Following a storm that fills the pond, is there concern of raising the water table in the area? There's not going to be any type of liner in the pond, will the water soak into the ground?**

- (Sameng) After construction, water that would otherwise have caused ponding on roads and private property will end up in the pond. The pond will drain out through the inlet/outlet structures leading to the storm sewers and the bottom will dry out through the weeping tile subdrains, also leading into those structures and finally the storm sewers. While there is no liner, the duration of the pond being full is not long enough to impact the water table, and the soil is clay-heavy, so there will not be much water soaking into the ground.

**Where does the pond water go?**

- (Sameng) The structures within the pond will drain to the storm trunk sewer along Mill Woods Road S and W, and the storm trunk sewer will drain from the area towards the north.

**What about the impact on or from other connections to the storm trunk?**

- (Sameng) Other connections were considered, as the model used to simulate the pond performance included the surrounding areas as well. The proposed project does not have any negative impacts.

**What drains the whole area?**

- (Sameng) The existing storm sewers all drain out to 91<sup>st</sup> Street and then north to 30<sup>th</sup> avenue, into a major collector trunk that runs all the way to a 5m pipe outfall into the North Saskatchewan River, just northeast of Terwillegar Park.

**Everything in the area is already developed; why not go south towards the Henday? Wouldn't that be cheaper and/or simpler?**



- (Sameng) The elevation rises towards the south, and the existing pipes do not go in that direction; therefore the chosen design is the most feasible and practical.

**We moved to the area not knowing the flood issues, we were affected by the 2012 event and were happy with the City's response, the backflow valve installation subsidy program and that this project is happening, thanks.**

- (Sameng) We appreciate the positive feedback.

**How deep will the water get?**

- (Sameng) The water can get to 1.5m deep for the 1 in 100 year storm event, and 0.25m deep for the 1:10 year event

**When will this be functional?**

- (Sameng) The storm dry pond will be functional by the end of 2016, weather permitting.

**Where will the excavated soil go? Is it going to be used for a berm along the Anthony Henday as indicated by Councilor Mike Nickel?**

- (Sameng, Sureway) The subcontractor responsible for the excavated material has not yet released to Sureway what location the material will be moved to, as this will only be disclosed upon signing of their contract. The construction of a berm in this location was not discussed prior to this project being set for request for tender. It is not included in Sureway's contract with the City and is not part of the scope of this project.

**Are backwater valves still needed in the area?**

- (Sameng) While the dry pond and conveyance improvement design is to ensure that 1:100 year events do not cause storm water flooding, natural events can be more unpredictable and go beyond the design envelope. The valves are still beneficial. (Additional note: the backwater valve protects from sanitary system backups, which can happen for reasons beyond storm water accumulation that floods the sanitary system from large storm events; they are a good flood mitigation measure, regardless of other system improvements.)

**A previous homeowner mentioned that the city paid for half of their backwater valve, is this still available and how does this program work?**

- (City of Edmonton) The program is still active, and while there are specific criteria to be eligible for the program, information and contacts are provided on the city of Edmonton website. (Direct link: [http://www.edmonton.ca/programs\\_services/flooding/program-flood-proofing-backwater-valve-subsidy.aspx](http://www.edmonton.ca/programs_services/flooding/program-flood-proofing-backwater-valve-subsidy.aspx))

**The timeline shows this project being mostly complete this fall (2016), when are the upgrades along 91<sup>st</sup> Street going to be done, since this project drains into that area?**

- (Sameng) This pond will still work without that being done as it serves to reduce peak flows in that system.
- (City of Edmonton) The 91<sup>st</sup> Street upgrades sewer installation is proposed to be done this year (2016), with the double-barrel conversion and surface repairs and cleanups to be done by next summer (2017). The tunneling machine will be on site to tunnel April-June 2016, any other underground work will be finished this year.

**With the 23<sup>rd</sup> Avenue and 85<sup>th</sup> Street construction, plus this project, how will the added traffic disruption be addressed?**

(City of Edmonton) The southbound traffic on 85 Street will be closed again in the summer to facilitate the construction of connections to the new tunnel.



To minimize the traffic disruption, the designated haul route for construction of the Dry Pond is Mill Woods Road south starting at the southeast corner of the pond area east to 66th Street. When school is in session, no heavy trucks or equipment is permitted west of this point. The trucks are not allowed to turn into west bound traffic on 23 Ave from 66 Street. There will be no truck haul during school morning drop off and afternoon pick up peak times.

**Why not sacrifice the boulevard on 23<sup>rd</sup> Avenue to allow all lanes to remain open?**

- (City of Edmonton) The traffic management department needs to generate and/or approve any plans for traffic pattern modifications.

**What are the tax implications of the project? Who's paying for it?**

- (Sameng, City of Edmonton) This project is funded from drainage service fees which are shared proportionately among all utility users.

**Knottwood and Mill Woods Road traffic reductions, plus closure of 85<sup>th</sup> Street; schools, businesses and neighbourhoods already have too much traffic before additional closures are added, how will this be managed?**

- (Sameng) To explain the impact of our project, the main additional traffic we will be causing is the trucking out of the excavated materials, which has a specific directive to only use Mill Woods Road S eastbound to 66<sup>th</sup> Street. The excavation should be finished by July. The majority of road reductions or closures will be during summer when traffic is otherwise decreased anyway, and the contractor will move through restoring and resurfacing quickly as completion of the underground utilities moves along.

**There is also significant traffic to Dan Knott and Satoo school, with Satoo school taking in more bussed-in kids than before. There is heavy bus traffic on 80<sup>th</sup> Street. Has this been considered?**

- (Sameng, City of Edmonton) We can have further discussions on limited hours and traffic management.

**The hauling hour limitations for Thursdays don't match the school hours for Menisa, Dan Knott and Satoo schools.**

- (Sameng) The hauling traffic does not affect these schools as it is on Mill Woods Road S, going eastbound. The Knottwood Road S work near Menisa School will be done in July and August when school is off.

**On the north end of the park, at 18<sup>th</sup> Avenue and 75<sup>th</sup> Street, will there be additional construction traffic or parking in this area?**

- (Sureway) The pond will be fenced, with the site trailer being in the northeast end of the pond, near the identified location. Staff parking of road vehicles, not construction equipment, will be in this area. Meetings will also be held near the site trailer.

**On Knottwood Road S, near the playground, how will buses and traffic be affected?**

- (Sureway) The road will be closed there at some point in July/August for a few days, as there is a large structure that needs to be installed and the pipe needs to cross from the park on the north of Knottwood Road S to the south side of the road. Sureway will coordinate with ETS, a meeting is already planned. Additional bus access and alternative bus stops will be provided. As discussed in the preconstruction meeting, a turnaround site or alternate access lane for the bus route will be provided; the details of this will be planned out in the upcoming meeting.



**Where will the site office be? At 18<sup>th</sup> Avenue and 75<sup>th</sup> Street? This location is used extensively for parents dropping off their kids for school, as well as kids walking to school from the apartment buildings.**

- (Sureway) This area will be fenced off, will allowances for foot traffic to the west of the pond excavation area. The northwest of the park is part of the special school use area, and will be left undisturbed until the end of the school year, further aiding in maintaining access around the construction site.

**Due to the proximity to the school, parents are concerned about the people who are on-site being considered safe to be around kids.**

- (Sureway) Criminal record checks of Sureway employees are not done as standard procedure, but drug and alcohol testing is. Those in positions to be interacting with the public – supervisors, foremen and flag people – will have background checks done. Discussions of the requirements with the City for ensuring safety of the children are ongoing. Sureway is aiming to minimize interactions of any of their operators or workers other than those just mentioned with the public.

**What is the timing for the work and closure of the trenchless installation under the pathway?**

(Sureway) Once the materials are ready, sureway would like to start this section as soon as possible, it will likely take 1-2 months to complete this work, and the plan is to keep the path open throughout the construction.

**Is there going to be a risk of driving over the edge and into the pond on 18<sup>th</sup> Avenue, as many people already drive over the low curb in that area, and would the pond be an added hazard?**

(Sameng) The slope entering the pond is quite gentle at only a 4:1 or 5:1 grade, and the pond is setback from the edge of the park and road by about 3 metres.

**What are the plans for control of dust?**

(Sureway) During high winds, Sureway will shut down operations. Routinely during work, dozers, graders, water trucks and skidsteers equipped with sweepers will be deployed to manage dust.

**During the Mill Woods Canada Day celebrations and Sikh Parade Day, what will the impact be?**

(Sameng, City of Edmonton) Sureway is planning to not work on Canada Day and Sikh parade day.

### **Summary of Feedback Forms**

- Forms handed out: 58
- Forms collected back: 21

### **Summary of responses**

1. How did you hear about this information session?
  - a. Mail drop (14)
  - b. Road Sign (11)
  - c. School newsletter (2)
  - d. Newspaper (1)
2. Were you aware of the City of Edmonton Flood Mitigation Project before you came to this information session? If yes, how?
  - a. Yes (17)



- i. Living by construction (2)
    - ii. Previous public meetings (5)
    - iii. City website (2)
    - iv. Mailed info (3)
    - v. Media coverage (2)
    - vi. Other source (1)
  - b. No (4)
- 3. Did you find the information presented about the project easy to understand? If not, please explain
  - a. Yes (21)
  - b. No (0)
- 4. Did the information session address any questions or concerns you might have had? Do you have any other comments or suggestions?
  - a. (Mostly positive response, two concerns that the project stay on schedule to avoid major disruptions like some past projects)
  - b. One comment about Backwater valves to be contacted directly
- 5. What neighborhood do you reside in?
  - a. Menisa (11)
  - b. Ekota (2)
  - c. Satoo (7)
  - d. Ellerslie Crossing (1)
  - e. Meyokumen (1)
- 6. Was the venue suitable?
  - a. Yes (18)
- 7. Was the time suitable? If not when would be better?
  - a. Yes (20)
- 8. (Attendees who asked for further information are to be added to the mailing list, not to be published)

The foregoing is considered to be a true and accurate record of all items discussed. If any discrepancies are noted, please contact Brad Kerr or Nathan Forsyth at 780-482-2557.