



May 31, 2024

(via Email only)

Robert D. Klavoon, PE
Senior Civil Engineer
Wendel
375 Essjay Road, Suite 200
Williamsville, NY 14221

**RE: STAMP Fire Tank
Basis of Design Report and Plans Review
CPL Project # R24.15997.00**

Dear Mr. Klavoon:

We are writing in response to your May 17, 2024 letter. We have reviewed your comments on the Engineering Report (ER) and plans for the Stamp Fire Tank.

Our responses to your comments are provided in ***bold/ italics***.

Engineering Report

1. "The report mentions a Water System Operator. Please describe what entity will operate the tank (maintenance) and be responsible for responding to alarms."
Response: GCEDC/STAMP Water Works Corp. has contracted with the Town of Batavia to fulfil the Water System Operator position for all water main, tank and associated appurtenance operation and maintenance which will include the water storage tank.

Design Plans

1. "Please indicate which two parties the proposed easement will be between that is shown on the design plans."
Response: The proposed easement shown on the tank and water main layout will be between the STAMP Water Works and GCEDC.
2. "Please confirm our understanding of the following. It is the intent of the GCEDC to only construct the 24" waterline leaving the fire tank to the west up to the point past the connection to the Edwards fire pump connection. At a time that it becomes necessary the 24" waterline will be extended out to Crosby Road. If this is the case, what impact will this future extension have on the Edwards site plan in regards to their landscaping, parking and pavement."
Response: The future 24" waterline will continue within the 50ft easement proposed in the tank design to Crosby Road where it will remain within the road Right-of-Way. This area is not currently owned by Edwards but if any future purchase and development of this property occurs before the main is extended, the area will be open cut to install the new main and the restored in kind with what the surface was before the start of construction.



3. "Please add a 2" temporary blow off at the end of the 24" fireline past the Edwards connection."
Response: This will be added to the updated drawing set.
4. "Will any mixing system be added to the ground storage tank?"
Response: Due to the intended use of this tank for fire suppression support only, the water is not intended to continue to be potable after the control building and does not require a mixing system to maintain water quality. The circulation necessary for keeping the water above the temperature required by NFPA will be achieved by placing the heater(s) at the bottom of the tank and the warm water rising and cold water sinking naturally.
5. "What materials will the 12" potable/non-potable watermains and 24" fireline be made of? DIP, PVC, PCCP?"
Response: In the building and within 10 feet of any foundation and penetration, the mains will be DIP, outside of these areas the water main will either be DIP or PVC depending on which material is more cost effective.
6. "Please show sample points on the plans along with testing and disinfection apparatus on the details sheets."
Response: This will be added to the updated drawing set.
7. "Please provide waterline trench and valve setting details on the plans."
Response: This will be added to the updated drawing set.

Design Plans

(Responses below by Kevin Watts per his email on May 21, 2024)

1. "Edwards Vacuum's approved site and utility plans (attached) indicate a waterline connection to a future yet to be built GCEDC waterline located to the east of their proposed project site on a proposed roadway connection (Indicated as Edwards Lane on the Metzger Civil Engineering (MCE) Utility Drawing). The domestic connection was through an RPZ and the connection for the fire pump on that site plan was not shown as at that time, GCEDC/Edwards needed to work together to figure out how fireflows were to be provide to the site. The hydraulic calculations and available flow for the site were modeled by CPL on behalf of GCEDC and provided to the MCE design team to provide the required hydraulic information in the engineering report.

The current CPL tank site plan shows a 12" domestic connection off of Crosby Road on the northern property line of the Edwards site in an easement. This same 12" domestic waterline heading east of Crosby Road will provide the potable domestic water for Edwards as well as be the watertank fill line for the proposed 500,000 ground storage tank. Furthermore, there will be a 24" fireline coming out of the tank that will flow west and service Edwards' fire pump as well as future fire connections along Crosby Road to the west.

Based upon the above, my concerns are as follows:

- a. Is Edwards aware of the proposed 50' easement along the northern property line of their site?

GEIS Response: Yes, and we have it shown on our drawings.



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- b. Is Edwards aware that the domestic water is proposed to be connected off Crosby Road and not Edwards Lane?
GEIS Response: Yes, and our plans have been updated accordingly. We are tapping into the city side of the 12" line that runs to the north of our property line.
- c. It appears the hotbox connection on the Edwards site plan off of Edwards Lane is incorrect based upon the latest CPL drawings. This connection to the RPZ needs to be corrected on the Edwards Utility Drawing.
GEIS Response: Yes, and our plans have been updated accordingly.
- d. Now that the proposed location of the GCEDC fireline has been established, the fireline connection to the Edwards firepump needs to be shown on the Edwards utility drawing.
GEIS Response: Our plans have been updated accordingly.
- e. The hydraulic calculations completed by MCE for the Edwards site were completed using hypothetical water modeling data provided by CPL with a proposed future waterline connection off of Edwards Lane. Now that the domestic waterline is to be connected off of Crosby Road (per the CPL drawing), does that change Edwards hydraulics?"
GEIS Response: Our plans have been updated accordingly. This change allowed us to disconnect fire water and domestic water which creates a safer water source for occupants. This creates a better hydraulic scenario for our domestic water supply.

If you have any questions or require additional information, please contact Andrew Kosa Akosa@CPLteam.com / 585-402-7506 or me JDelyser@CPLteam.com / 585-402-7565.

Very truly yours,

CPL

A handwritten signature in blue ink that reads "Jeremy E. DeLyser".

Jeremy E. DeLyser, P.E.
Project Manager

Enclosures

c: Mark Masse, CPA., GCEDC (w/ Enc. – via Email)