

**Enhanced Public Participation Plan  
STAMP Wastewater Treatment Facility  
Meeting with Nation Leadership  
Meeting Minutes  
9/9/21**

GCEDC Attendees: Mark Masse, Adam Walters (Phillips Lytle), Matthew Fitzgerald (Phillips Lytle), Andrew Kosa (CPL)

NYSDEC Attendees: David Witt, Tom Haley

**1. Introductions**

- a. Mark Masse, Adam Walters, and Chief Hill provided introductions and preliminary remarks.
- b. Nation commenced meeting with opening words.

**2. Review of Agenda (additions/deletions/etc)**

- a. Copy of initial agenda prepared by GCEDC *attached hereto*.
- b. No additions/deletions requested by Nation, GCEDC or NYSDEC

**3. Brief Discussion of Enhanced Public Participation Plan**

- a. A Walters provided an overview of the EPPP
  - i. EPPP was created with Nation and DEC input.
  - ii. Purpose of the EPPP is to keep Nation informed as to developments on the STAMP site.
  - iii. Information and documentation is available through online and hard copy repositories, as well as through informational meetings.
  - iv. This meeting is the first of two meetings with Nation leadership, with the second meeting serving to answer any questions raised at the first meeting which were not answered if a second meeting is deemed necessary by the Nation.
  - v. A separate meeting will be held with members of the Nation, pending the Nation providing direction as to the format of the meeting.

**4. Wastewater Treatment Facility Details**

- a. GCEDC provided detailed overview of the wastewater treatment facility ("WWTF") treatment process and design.
  - i. WWTF is located in the center of the STAMP Site in the utility area, to the north of the current Plug Power site (A copy of a map was shared with the Nation showing the location of the WWTF on the STAMP Site - *copy attached hereto*).

- ii. Sewage water from individual STAMP tenants flows via gravity to WWTF (a site plan for the WWTF was shared with the Nation - *copy attached hereto*).
  - iii. Sewage water exits head building and large debris is screened and removed from flow.
  - iv. Screened sewage water is pumped to sequential batch reactors ("SBR") for a 3 step sanitation process:
    - a. aeration - wastewater is aerated to encourage bacterial breakdown of waste
    - b. settling - aluminum sulfate is added to further breakdown waste
    - c. decanting - cleanest water is removed from flow for next step of processing, with refuse water pumped back to beginning of sanitation process
  - v. Wastewater is then pumped to holding tanks for additional processing before being sent to dewatering building, where additional solids are pressed out of flow
  - vi. Wastewater is then pumped to disk filter building, where additional solids suspended in the flow are removed and a UV disinfection system treats wastewater
  - vii. Wastewater next pumped to wet well for main pump station and enters the force main which directs treated wastewater away from Nation's Territory
  - viii. Post-treated effluent is then discharged to Oak Orchard Creek
    - 1. NYDOT and Fish & Wildlife permits have been obtained for force main route.
- b. GCEDC explained that the requested SPDES permit from DEC has strict limits for treatment of wastewater, and that the WWTF is a state of the art plant with treatment criteria superior to that of tap water. (The Nation has been provide copies of the SPDES application and all related materials including the proposed discharge limits for the WWTF).

## 5. Question and Answer Session

- a. Nation asked about the Corfu WWTF
  - i. GCEDC responded that the Corfu WWTF (which is a separate project from the STAMP WWTF) is a new development, consisting of a 150,000 gallon per day system made up of two 75,000 gallon per day SBRs. Capacity for WWTF is typically designed to be double the anticipated maximum need to ensure that the system is redundant in the vent of a failure.

- ii. GCEDC further explained that the STAMP WWTF will have capacity at full buildout of up to 1,000,000 gallons per day, but that anticipated use by all tenants is not expected to exceed 500,000 gallons per day.
  - iii. GCEDC clarified that non-biological process water from STAMP tenants cannot go through the WWTF, and that all process water must be pre-treated under a separate discharge permit with NYSDEC before it can enter force main for eventual discharge.
  - iv. GCEDC explained that the Town of Alabama will serve as the fallback owner/operator of the WWTF in the event that the STAMP Sewer Works corporation ceases to operate, and that the Town of Alabama has reserved capacity of 100,000 gallons per day allocated.
- b. Nation asked what water/sewer utilities currently run from the Town of Alabama to the STAMP site.
  - i. GCEDC explained that currently only water is connected, no municipal sewer currently flows to/from the STAMP site although 100,000 gpd have been reserved for the Town in the event the Town decides to create a sewer district in the future and send wastewater to the WWTF (the Town would be responsible for any costs related to same).
  - ii. GCEDC also reiterated that Plug Power project will hold and haul sanitary wastewater rather than hooking in to STAMP WWTF. The amount of sewage to be generated by Plug Power simply is not enough to build the WWTF. GCEDC will be responsible for the holding tank as well as the pumping and hauling operation.
  - iii. GCEDC further detailed that the original plan for STAMP wastewater discharge was to go to Whitney Creek, but that in response to feedback from the Nation, the discharge location was relocated to Oak Orchard Creek 10 miles north of STAMP to stay well away from the Tonawanda Creek watershed.
- c. Nation asked what would happen in the event the WWTF experienced a system failure and what type of testing will be required.
  - i. GCEDC explained that the system is designed to have capacity to service double the anticipated actual need; in the event that a system failure occurs the excess capacity allows the WWTF to continue to process at full capacity. In addition, the system includes meters and alarms throughout to ensure that the system is operating appropriately.
  - ii. GCEDC further explained that testing is required to at various points of the discharge train, and that such testing is ongoing for the WWTF.

- d. Nation asked what requirements would be placed on new tenants on the STAMP Site.
  - i. GCEDC explained that process wastewater from individual tenants will be metered and tested individually for each STAMP tenant, and that each tenant will require its own specific permit from DEC, subject to an EPPP and Nation consultation process.
- e. Nation asked whether Plug Power would be able to use pollution credits to increase its permitted discharge thresholds under a SPDES permit.
  - i. GCEDC clarified that pollution credits are typically used in the context of air emissions, and that such a permit is not proposed here. No type of pollution credits are associated with the WWTF. Further, in the event that GCEDC (or any tenant of the STAMP site) exceeded the thresholds of any DEC permits, the DEC would take enforcement action against the offending party.
- f. The Nation requested an update with respect to other potential tenants of the STAMP site.
  - i. GCEDC provided an overview of the potential future tenants and the status of the same, noting that such info is made available in the GCEDC's weekly update emails to the Nation and any updates will be provided in the same.
  - ii. GCEDC noted that monthly calls with the Nation and Nation's counsel are scheduled in addition to weekly update emails to provide the Nation with updates and answer any of the Nation's questions.
  - iii. GCEDC encouraged the Nation to continue to ask questions at any time should the Nation want additional information on STAMP or prospective tenants.
- g. The Nation requested information on the process for prospective tenants expressing interest in STAMP.
  - i. GCEDC explained that companies typically send in a minimal request for information relating to basic site details which GCEDC fills out and sends back. Site selectors working for prospective tenants then screen sites based on that information, and follow up with limited site visits before moving forward to intensive sit visits, due diligence, and negotiation of business terms. GCEDC reiterated that any updates on prospective tenants will be included in weekly update reports.
  - ii. Mark: usually receive RFI with minimal info, GCEDC fills out and sends back

- h. Nation's counsel requested details on the most common issues that go wrong with a WWTF.
  - i. GCEDC explained that basic mechanical failures are the most common issues, which is why operations are closely monitored (including alarms to warn when there are equipment malfunctions), redundant parts are kept in stock and the system is designed to have redundant capacity in the event of equipment failure.
- i. Nation's counsel requested additional clarification relating to the Corfu WWTF.
  - i. GCEDC explained that the Corfu WWTF has been online for approximately 3-4 months, with capacity for up to 150,000 gallons per day. GCEDC explained that the Corfu WWTF experiences some complications due to the presence of stormwater discharge in their flow, whereas the STAMP WWTF will not experience such complications as all stormwater at the STAMP Site will be managed pursuant to a stormwater pollution prevention plan.
- j. Nation's counsel requested additional information relating to the amount of aluminum sulphate, diesel, and any hazardous substances to be stored at the WWTF.
  - i. GCEDC explained that all hazardous materials are stored in accordance with DEC bulk storage requirements, including secondary containment measures.
  - ii. GCEDC agreed to provide volume information to Nation following the meeting.
- k. Nation's counsel requested additional information relating to volume of solid waste from dewatering process which will be trucked from WWTF for disposal.
  - i. GCEDC agreed to provide detail on volume based on assumed buildout of WWTF at volumes of 250,000 gallons per day, 500,000 gallons per day, and 1,000,000 gallons per day, together with the number of trucks anticipated to haul such waste.
- l. Nation's counsel requested additional information on what portions of the treatment process occur in open air.
  - i. GCEDC explained that the SBR process is the only portion of the WWTF process that occurs in open air (partially buried concrete pools), while the remainder of the process is contained entirely in enclosed structures.

- m. Nation's counsel requested clarification regarding the role of the force main and process water in the context of this EPPP.
  - i. GCEDC explained that if any future process water from tenants at STAMP is proposed, with the exception of food manufacturers with biological type waste, no such discharges would be sent to the WWTF; that it enters a wet well and the force main which the WWTF also discharges to, but that this could only happen after NYSDEC had issued a permit for such discharge.
- n. Nation's counsel requested confirmation that the force main has capacity to handle 5,000,000 gallons per day of process wastewater and whether DEC is reviewing the same.
  - i. GCEDC confirmed that the force main is designed to accommodate up to 5,000,000 gallons per day of process wastewater in addition to the up to 1,000,000 gallons per day of post-treated effluent from the WWTF, and that while DEC is reviewing the design of the WWTF to ensure that the design is sufficient, the actual permitting of future process wastewater discharges is not a part of the current application before DEC.
- o. Nation's counsel requested clarification on potential impacts to Oak Orchard Creek.
  - i. GCEDC explained that, in response to DEC questions, a hydrological study was completed, reviewed by DEC, and accepted by DEC which showed that there was no adverse impact to Oak Orchard Creek.
- p. Nation requested information relating to the storage of leftover waste from the treatment process as well as the handling of the same.
  - i. GCEDC explained that leftover waste is fully contained within holding tanks, with secondary containment measures (including in the loading area for trucks) designed to mitigate risks in the very unlikely event of any type of spill. While still under review, it is likely that the waste will be trucked to the Mill landfill in Riga.
- q. NYSDEC reiterated that it is responsible for ensuring compliance with the EPPP and working with the Nation. DEC offered to make engineers available to answer questions, give tours of similar facilities, or answer any other questions the Nation may have.
- r. Nation asked whether the NYSDEC is involved in STAMP other than the WWTF.

- i. DEC explained that NYSDEC is involved in all projects requiring a NYSDEC permit, including Plug Power's stormwater permit. NYSDEC noted that Section 106 consultation is ongoing with the Nation and Nation's counsel.
- s. Nation asked for the status of the WWTF's permit approval.
  - i. NYSDEC explained that the permit is out for public comment, and that DEC's engineers are reviewing the design of the WWTF and force main.
- t. Nation asked the NYSDEC to explain how the Plug Power facility could be permitted if it was unique.
  - i. DEC explained that they rely on experts and engineers to review technical data, drawing on their expertise from other similar projects including Plug Power's existing facilities in the Albany area.
- u. The Nation asked whether a change in the design of the Plug Power project would result in the addition of new permitting requirements.
  - i. DEC explained that Plug Power is providing NYSDEC with additional information to confirm whether any additional permits will be required.
- v. The Nation asked when the Army Corps of Engineers becomes involved in the SPDES permitting for the discharge to Oak Orchard Creek.
  - i. DEC explained that the Army Corps of Engineers typically regulates fill, while the DEC handles permitting of discharges.
- w. The Nation asked what type of monitoring would be required for the portions of the force main passing through the wildlife refuge.
  - i. DEC explained that the force main would be carrying treated water, not raw sewage, and that monitoring is not typically required along the force main route.
  - ii. GCEDC clarified that, in order to obtain a Right of Way permit from Fish and Wildlife Service (which was issued recently after a 5 year review process), GCEDC is required to monitor the flow rates at the points prior to and after entering and exiting the refuge to ensure no leaks or other issues with the force main.
- x. The Nation asked what impacts the discharge would have to fishing in Oak Orchard Creek.
  - i. NYSDEC explained that the discharge standards are all set by NYSDEC and that NYSDEC's fisheries experts have been involved

in the review of the permitting process to ensure no adverse impact to the same.

- ii. GCEDC further explained that there will be monitoring at the discharge point of the force main to ensure compliance with applicable NYSDEC standards, as well as other test points further up the discharge train.
  
- y. The Nation requested clarification with respect to the timing of the Plug Power project versus the WWTF.
  - i. GCEDC explained that the Plug Power project would come first, with the WWTF to commence development once a suitable tenant at STAMP required its capacity.

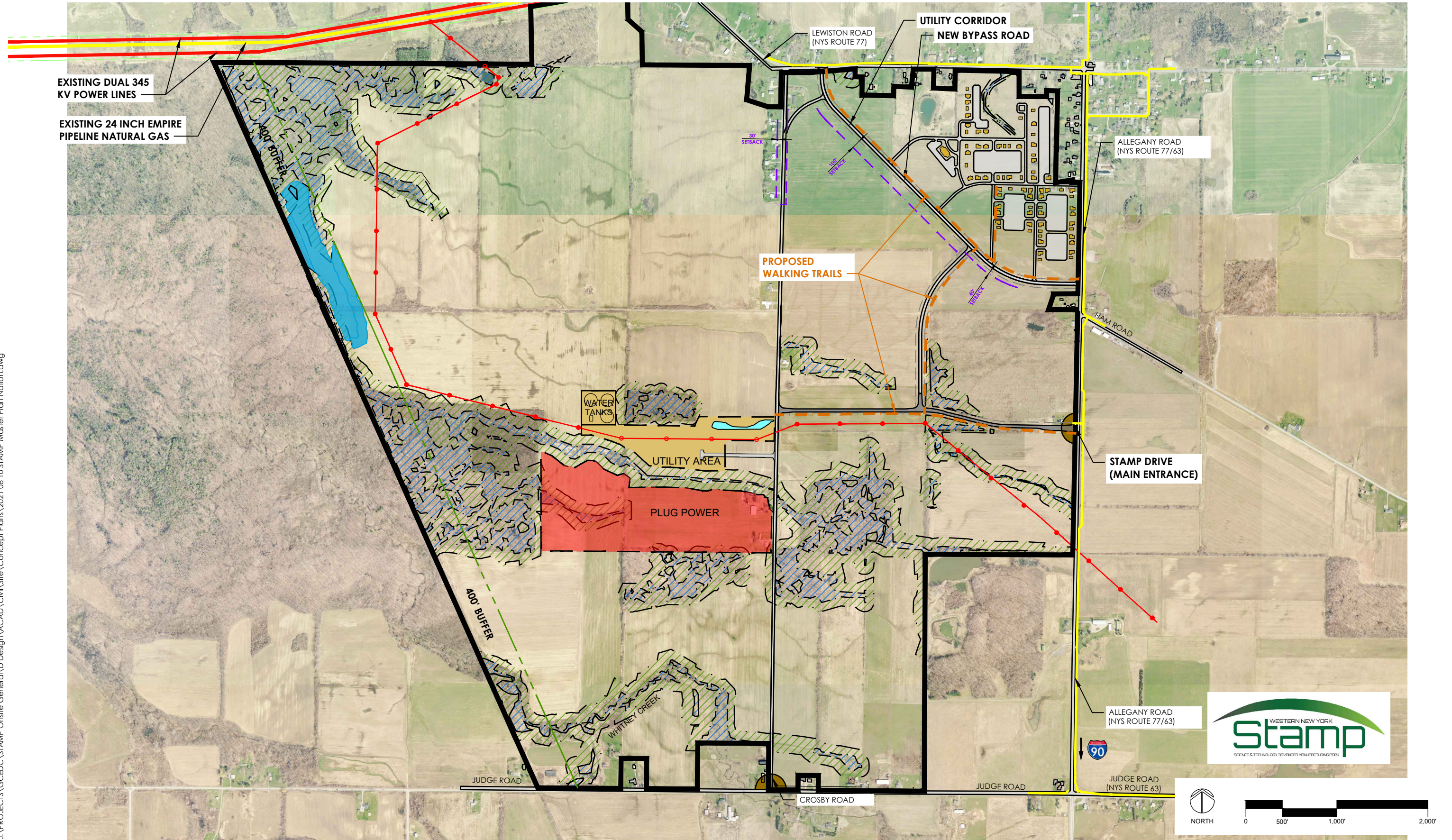
#### **6. Closing Remarks, Next Steps**

- a. Following the meeting, GCEDC will circulate detailed meeting notes for Nation review and respond to any requests for additional information.
- b. The Nation will follow up with an update regarding whether a second meeting with the Nation's leadership will be needed.
- c. The Nation will follow up with a date for meeting with Nation Members.
  - i. GCEDC offered to hold multiple smaller meetings, hold remote meetings, and/or to disseminate fact sheets if the Nation would find those options helpful.
- d. GCEDC provided closing remarks.
- e. The Nation provided closing remarks.
- f. Nation ended meeting with closing words

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STAMP Wastewater Treatment Facility  
Meeting with Nation Leadership  
Agenda  
9/9/21**

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4. Wastewater Treatment Facility Details
5. Question and Answer Session
6. Closing Remarks, Next Steps
  - a. Following the meeting, GCEDC will circulate detailed meeting notes for Nation review and respond to any requests for additional information.
  - b. Set date for meeting with Nation Members
  - c. Set date for follow-up meeting with Nation Leadership

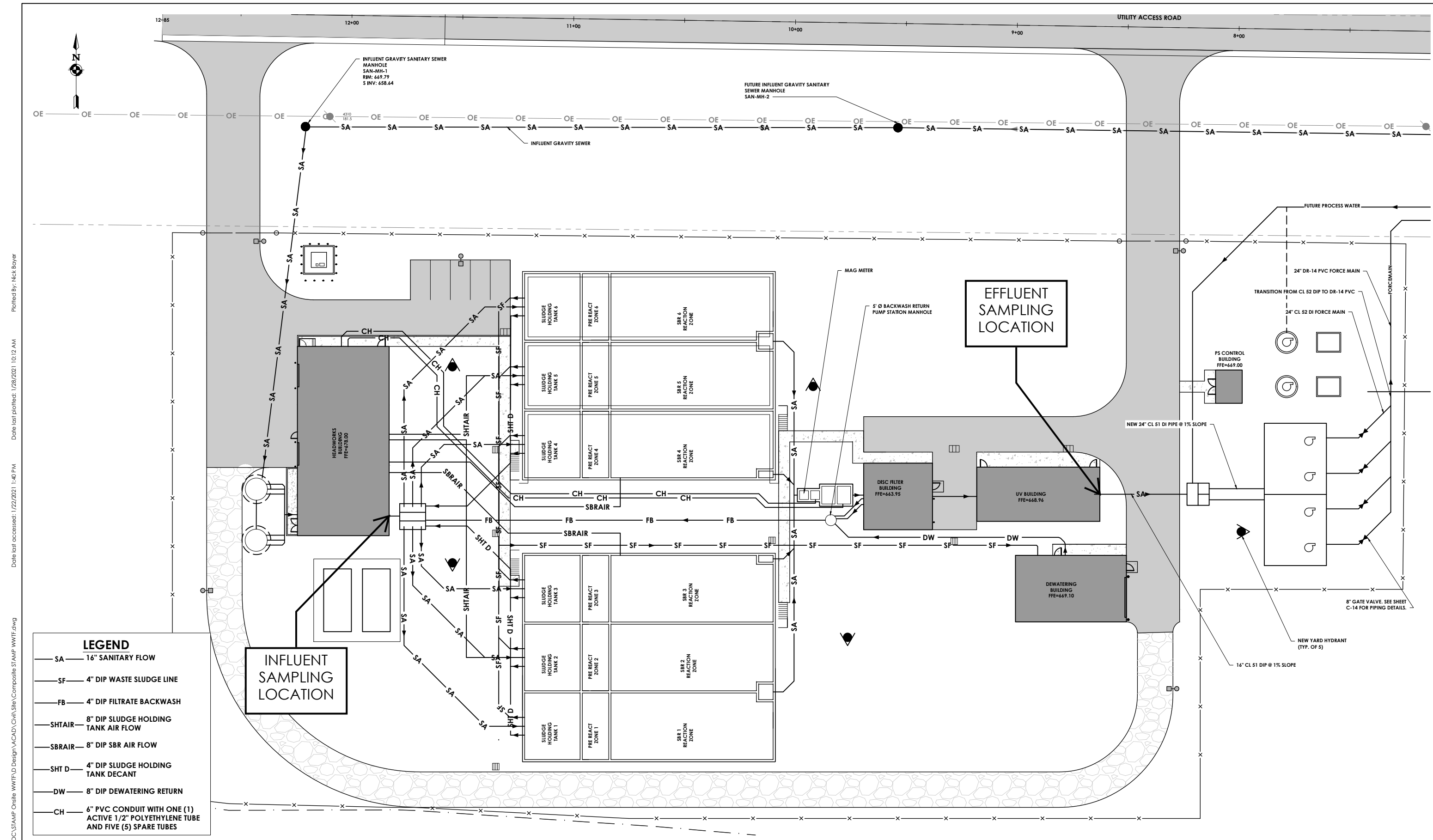
J:\PROJECTS\GCEDC\STAMP Onsite General\Design\ACAD\Civil\Site\Concept Plans\2021\_08\_10 STAMP Master Plan Nation.dwg



# STAMP - MASTER PLAN

WNY SCIENCE AND TECHNOLOGY ADVANCED MANUFACTURING PARK (STAMP)

JANUARY 2021



**LEGEND**


- SA — 16" SANITARY FLOW
- SF — 4" DIP WASTE SLUDGE LINE
- FB — 4" DIP FILTRATE BACKWASH
- SHTAIR — 8" DIP SLUDGE HOLDING TANK AIR FLOW
- SBRAIR — 8" DIP SBR AIR FLOW
- SHT D — 4" DIP SLUDGE HOLDING TANK DECANT
- DW — 8" DIP DEWATERING RETURN
- CH — 6" PVC CONDUIT WITH ONE (1) ACTIVE 1/2" POLYETHYLENE TUBE AND FIVE (5) SPARE TUBES

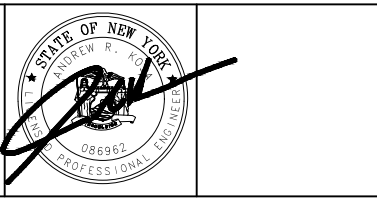
**INFLUENT SAMPLING LOCATION**

**EFFLUENT SAMPLING LOCATION**

Referenced Drawings: None  
 Drawing Name: J:\PROJECTS\GCEDC\STAMP Onsite WWTF\0 Design\CAD\Civil\Site\Composite STAMP WWTF.dwg  
 Date last accessed: 1/22/2021 1:40 PM  
 Date last plotted: 1/28/2021 10:12 AM  
 Plotted By: Nick Boyer

REVISIONS				
NO.	DATE	BY	CHKD	DESCRIPTION


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**GENESSEE COUNTY ECONOMIC DEVELOPMENT CENTER**  
 (AGENCY SET, NOT FOR CONSTRUCTION)  
 TOWN OF ALABAMA    GENESSEE COUNTY    NEW YORK STATE

DATE: 04/27/2020  
 DRAWN: MCZ  
 DESIGNED: NAB  
 CHECKED: TAC  
 SCALE: 1"=40'

**STAMP ONSITE WASTEWATER TREATMENT FACILITY**  
 SITE PLAN AND SAMPLING LOCATIONS

PROJECT NUMBER  
 14822.00  
 DRAWING NUMBER  
**C-03**

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