
**Livingston County Water and Sewer Authority
Request for Proposals
For Professional Engineering Services
For the
Livingston County Water and Sewer Authority (LCWSA) Regional Water Supply Project
November 13, 2025**

Questions regarding the RFP for Professional Engineering Services:

1. I do have a question related to the SHPO review under 3.1. The initial submission to SHPO is not an issue. It is also simple to obtain a quote from an archeologist for the completion of the Phase 1A review, which is a report. However, to obtain SHPO sign-off, we anticipate field investigations (Phase 1B), but it will be impossible to accurately determine the amount of field work required at this point. It could be minimal; it could be a lot.

Response: The cost for the completion of Phase 1A should be included with your proposal. The cost of Phase 1B can be determined during the design and those costs passed on through an amendment to the design services contract.

2. Is the “Proficy iFix Certified Solutions Provider” preference that important to you? According to the GE website there are only 18 companies in the US that have this certification.

Response: If the consultant can not provide a system integrator that is a Proficy iFix Certified Solution Provider, then the consultant should demonstrate how the integrator is proficient in GE iFix v2023 through adequate training, work experience and/or prior projects.

3. Has the LCWSA determined which grants will be accessed for reimbursement of the professional engineering services?

Response: Currently it is expected that the IMG and SRF funding will be used for reimbursement of professional engineering services. It is LCWSA's intention that the LGE and NBRC grants will reimburse for construction costs only.

4. For mains that are identified as “transmission” mains in the RFP, can you please confirm that residential and commercial customers along the routing will be extended water service?

Response: Yes, residential and commercial customers along the transmission main alignments will be extended water services if they request to connect to the main. We have estimated that 150 new customers will connect to new transmission mains installed with this project.

5. Does the LCWSA have a model of the existing consolidated water district that will be provided to the Selected Consultant, or should we assume that a new model will need to be developed for the existing

water system as an independent confirmation of the final recommendations? If a model is to be provided to the Selected Consultant, has the model been calibrated/verified? If a model does not exist, can LCWSA provide additional information on the extents of what will need to be modeled for this project. Please confirm that the independent water systems not owned and operated by LCWSA do not need to be modeled.

Response: The selected consultant should assume that a new hydraulic model will need to be developed for the existing water system as independent confirmation of the final recommendations. The LCWSA consolidated water system, which includes the Leicester water system, would be included with this updated model. The Avon, Lima and Mt. Morris water systems will not be included in this model update.

6. Are record drawings available for the Hemlock Pump station and if so, are they available in AutoCAD format? Can these be provided during the proposal phase? If record drawings are not available, please let us know if a site visit can be made prior to the submission of the proposal.

Response: Attached please find the as-built drawings for the Hemlock Pump Station (2017).

7. For the Avon-LCWSA connection, how much additional piping is required and what does this connection entail? Is a master meter vault required here?

Response: The current LCWSA transmission main is within 100 feet of the Avon transmission main. Yes, a master meter vault is required at this location.

8. At the Lima-LCWSA connection, will there need to be a master meter vault installed?

Response: No, a master meter vault for this interconnection will not be installed as part of this project.

9. It is unclear if the Amendment No. 2 map shows the full limits on the Murray Hill Campus that will be required to connect to the existing campus water mains. Can it be verified that the map does show the final connection, or if not, can that be provided?

Response: Attached please find an estimated distribution route for the Livingston County Murray Hill Campus transmission main. This route alignment is subject to final design and approval.

10. For the interconnection at Murray Hill Campus, will a master meter vault be required?

Responses: Yes, a master meter vault will be required at this location.

11. For the interconnection with Letchworth State Park at the intersection of Gibsonville and Crapsey Roads, will a master meter vault be required?

Response: Yes, a master meter vault will be required at or near this interconnection.

12. Can the County confirm that the 32,100-foot section of watermain outlined in Section 2.2.1 of the RFP includes Abele Road, north on NYS Route 63, west on Jones Bridge Road, north on River Road and Cuylerville Road, and west on Canandaigua Street to the existing tank. The RFP does not mention River Road (north of Jones Bridge Road) or Canandaigua Street along this routing; however, the map appears to indicate this extension.

Response: Yes, please see below.

- *Installation of new water main along Abele Road from Crossett Road to NYS Route 63 & NYS Route 63 from Abele Road to Jones Bridge Road is approximately 12,700 lf.*
- *Installation of new water main along Jones Bridge from NYS Route 63 to River Road is approximately 12,000 lf.*
- *Installation of new water main north along River Road from Jones Bridge Road to Cuylerville Rd./Rt. 20A and west along Canandaigua St./Caledonia Road to the existing water tank is approximately 7,400 lf.*

13. The RFP specifically mentions the bridge over the Genesee River in reference to the water main section along the Genesee Valley Greenway. Is it the intent of the County to proceed with a bridge mounted water main for this crossing?

Response: Yes.

14. Is the intent of the allocations outlined on page 9/10 of the RFP, to cover all easement-related assistance, including property research, land acquisition agreements, mapping, figures, and descriptions?

Response: It is expected this allocation will include survey mapping, boundaries, property description and meats and bounds for critical properties. The selected consultant should expect to have property owner engagement to facilitate the needed access agreements/easements. The LCWSA attorney will be involved in the process and will be responsible for abstracts/title searches and drafting any necessary access agreements/easements.

15. Does LCWSA have an idea of the proposed HGL of the water level in the new Leicester water storage tank? Is LCWSA anticipating a ground or elevated tank? If the LCWSA anticipates a ground tank, has the type of tank been determined (e.g., concrete, steel, or glass fused-to-steel)? Should the scope include an altitude valve vault adjacent to the new tank?

Response: The anticipated hydraulic grade for the new Leicester water tank is approximately 920 feet but this will be verified once the specific location of the tank is determined. It is anticipated that the new tank would be a ground tank. While LCWSA anticipates the ground tank to be glass fused-to-steel tank the construction material would be finalized during the basis of design. LCWSA has installed an altitude valve with some of its water tanks, however it is expected this detail will be finalized during the basis of design.

16. What type of TTHM removal system has the county implemented successfully at their existing tanks?

Response: LCWSA currently has IXOM Watercare – GridBee Systems installed in several water storage tanks.

17. Section 2.2.2 of the RFP (Leicester Water Storage Tank) requests an evaluation to determine if re-chlorination stations will be required along new transmission mains. Does that mean an evaluation of whether re-chlorination stations are required in all areas of the project where new transmission mains will be installed or just in this area of the system adjacent to the proposed tank site as outlined in the RFP? Does this project only include the evaluation phase and if deemed necessary, will the design be considered an additional service? We did not see these stations included in the construction cost estimate.

Response: It is anticipated that the selected consultant will complete an initial evaluation to determine if re-chlorination stations are required in areas where new transmission mains will be installed. It is anticipated that once the evaluation is completed, if additional re-chlorination stations are needed, additional design will be addressed through an amendment to the design services contract.

18. If the Leicester Pump Station is only designed to fill the existing tank at Letchworth State Park, what will control the pump operation? Is there an existing level sensor at the Letchworth State Park tank that this pump station will need to communicate with?

Response: It is expected that a level sensor will be installed in the Letchworth state park tank as part of this project for start and stop fill communication with the pump station.

19. For the Mt. Morris master meter interconnection, where will the master meter be installed; inside existing pump house or in an adjacent below grade vault? Can additional information be provided here for this interconnection?

Response: Yes, a master meter will be installed inside an existing pump house. In 2021 the pump house discontinued pumping water from Mt. Morris (west) to the LCWSA ARS water tank as a transmission main was installed connecting the ARS tank to the LCWSA consolidated system (east). The pump house has existing piping and valving that connects the LCWSA system to the Mt. Morris system. Attached please find the floor plans for the ARS pump house.

20. An allocation is identified in section 2.1 (\$35,000) and section 2.2 (\$25,000) for land use agreements. Is it the intention that this would act as an Additional Service line item and be billed hourly for these tasks? Under this same section, the Firm is responsible for property research; is the LCWSA planning to have Abstracts or title searches done on any critical properties where access or easements are intended and will assistance from Legal (representing LCWSA) be involved in this process?

Response: See response to question 14 referenced above.

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21. Preliminary design indicates coordination with NYSHPO is needed and archaeological surveys would be required. Has the LCWSA completed SEQR and/or NEPA for the project and does this provide an indication of the amount of archeological survey that may be needed? Are the SEQR responses and documentation available for review?

Response: Attached please responses to SEQR from SHPO and NYS DEC.

22. Does the LCWSA have a minimum requirement on the number of soil borings and geo-technical data it would prefer along the watermain alignments? Are there areas the LCWSA is aware of where encountering rock may be more or less likely throughout the project?

Response: The LCWSA does not have a minimum amount of soil borings/geo-probes and geo-technical data it prefers along the watermain alignment. The selected consultant is expected to suggest the appropriate amount of soil borings and geo-technical data needed for design.

23. What resources or digital files are available for the development and implementation of a hydraulic model of the LCWSA water system?

Response: See response to question 5 referenced above.

24. Is there any need for allocation of time for public participation and public outreach as part of the Preliminary Design phase services by the Firm?

Response: There is no need for allocation of time for public participation and public outreach as part of the preliminary design phase.

25. Would LCWSA consider an extension to the deadline required for submission?

Response: No.

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CONSTRUCTION DRAWINGS FOR: LIVINGSTON COUNTY WATER AND SEWER AUTHORITY

DOCCS WATER SUPPLY
CONTRACT 4: PUMP STATIONS

MAY 2017

LIVINGSTON COUNTY, NEW YORK

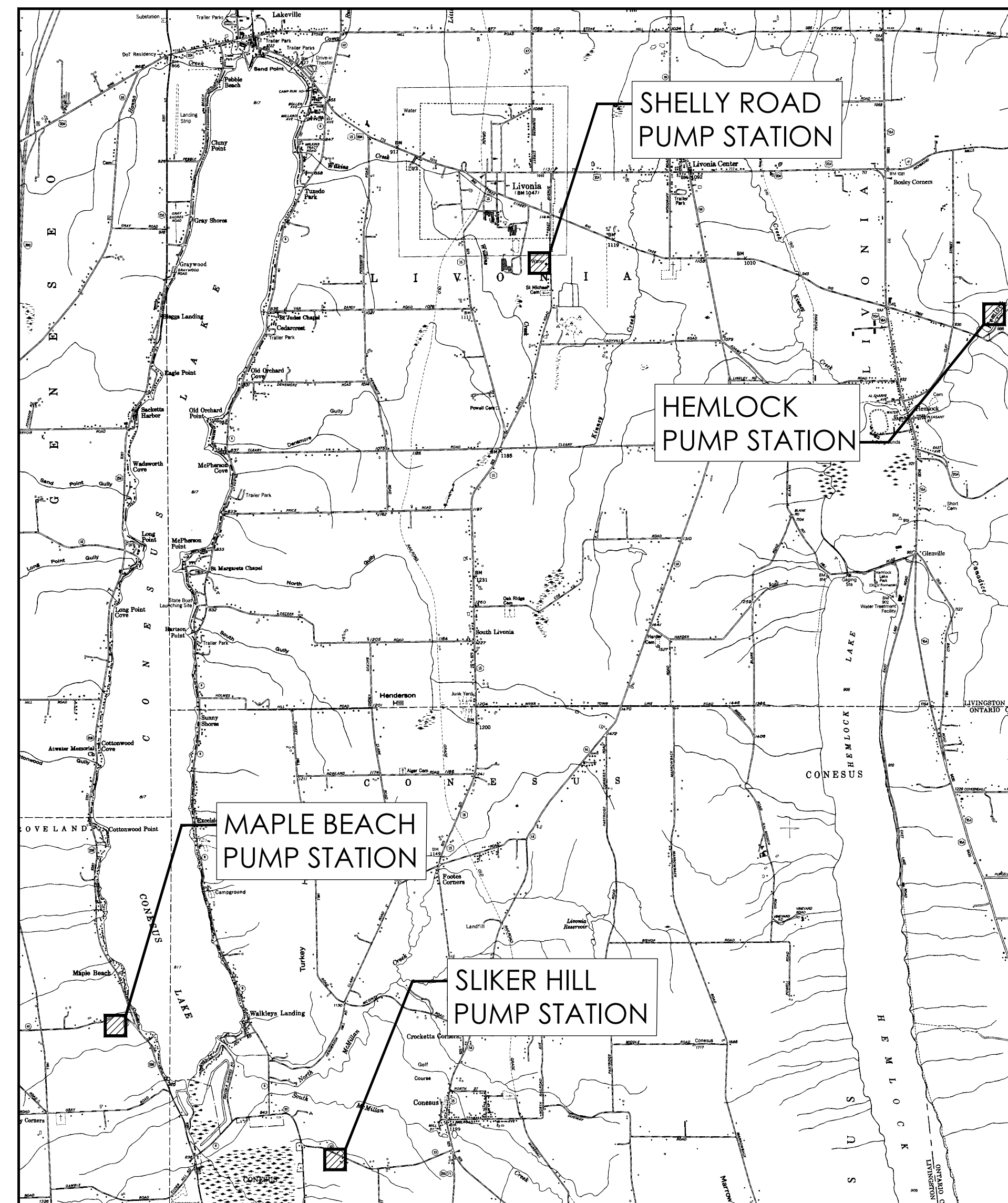
LIVINGSTON COUNTY WATER
AND SEWER AUTHORITY

CHAIRMAN
HAROLD STEWART

MEMBERS
STEVEN BEARDSLEY
TIMOTHY ANDERSON
PHILIP BROOKS
DALE KRIEWALL
FRANK MILLER
DAVID LEFEBER

EXECUTIVE DIRECTOR
MICHELLE BAINES

RECORD DRAWINGS



LOCATION PLAN

SCALE: 1"=4000'

DRAWING INDEX	
DWG. NO.	SHEET TITLE
G-01	GENERAL NOTES
H-01R	HEMLOCK PUMP STATION: DEMO PLAN AND PROPOSED FLOOR PLAN
H-02R	HEMLOCK PUMP STATION SECTIONS
H-03	HEMLOCK PUMP STATION SECTIONS
SH-01	SHELLY ROAD PUMP STATION SITE, DEMO & PROPOSED FLOOR PLAN
SH-02	SHELLY ROAD PUMP STATION SECTION, ROOF PLAN AND ELEVATIONS
SH-03	SHELLY ROAD PUMP STATION MECHANICAL PLAN AND DETAILS
SL-01	SLIKER HILL PUMP STATION SITE PLAN, FLOOR PLAN AND SECTIONS
M-01R	MAPLE BEACH PUMP STATION PROPOSED SITE AND GRADING PLAN (BASE BID)
M-02	MAPLE BEACH PUMP STATION FOUNDATION & FLOOR PLAN (BASE BID)
M-03R	MAPLE BEACH PUMP STATION EQUIPMENT PLAN AND SECTIONS (BASE BID)
M-04	MAPLE BEACH PUMP STATION ELEVATIONS (BASE BID)
M-05	MAPLE BEACH PUMP STATION BUILDING DETAILS
M-06	MAPLE BEACH PUMP STATION MECHANICAL PLAN AND DETAILS
D-01	MISCELLANEOUS DETAILS
D-02	MISCELLANEOUS DETAILS

PREPARED BY: _____ DATE 5/17/2017



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ARCHITECTURE | ENGINEERING | PLANNING

Referenced Drawings: None
Drawing Name: J:\PROJECTS\LCWSA\Grove Cor Wth VC Construction\ASBUILTS\DWG\Contract 4 Pump Stations\Details\G01.dwg
Date last accessed: 4/4/2019 1:58 PM
Date last plotted: 8/1/2019 2:05 PM
Plotted By: Connor Hines

GENERAL NOTES:

- ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH NYSDOH, OSHA, LIVINGSTON COUNTY DOH, TOWN OF LIVONIA, LIVINGSTON COUNTY WATER AND SEWER AUTHORITY, AND LOCAL COMMUNITY REQUIREMENTS.
- THE LOCATIONS, SIZES AND ELEVATIONS OF EXISTING UTILITIES ARE BASED ON INFORMATION COMPILED BY THE ENGINEER FROM DRAWINGS OF RECORDS AND INFORMATION FURNISHED BY THE VARIOUS UTILITIES, WITH FIELD CHECKING WHERE NECESSARY AND POSSIBLE. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND MAY BE APPROXIMATE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE THIS INFORMATION VERIFIED AND LOCATED PRIOR TO CONSTRUCTION. NO CONSTRUCTION EXCAVATION, BORING, OR SLASTING SHALL BE DONE WITHOUT CERTIFICATION OF THE DEPTH AND LOCATION OF UTILITIES. CALL UPFO AT 1-(800)-942-7962 AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.
- THE APPROXIMATE LOCATION OF THE PROPOSED SEWER MAIN IS INDICATED ON THE PLANS. HOWEVER, THE ACTUAL LOCATION WILL BE GOVERNED BY THE ACTUAL LOCATION OF THE UNDERGROUND UTILITIES OR OTHER CONTROLLING FACTORS AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION.
- CONTRACTOR SHALL PROTECT AND SUPPORT ALL EXISTING UTILITIES FOR THE DURATION OF THE CONTRACT. THE CONTRACTOR SHALL REPLACE ANY UTILITY WHICH BECOMES DAMAGED AS A RESULT OF THE CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES, SERVICES, SEWERS AND LATERALS AHEAD OF PIPE LAYING OR OTHER WORK OPERATIONS SO THAT IF MINOR ADJUSTMENTS MUST BE MADE IN ELEVATION AND/OR ALIGNMENT, DUE TO INTERFERENCE, THESE CHANGES CAN BE MADE IN ADVANCE OF THE WORK.
- ALL FITTINGS SHALL BE PROPERLY RESTRAINED AND ALL UNDERGROUND FITTINGS SHALL BE WITH FLUOROCARBON BOLTS.
- HIGHWAY DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION. THE ROADS SHALL BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.
- SAFE AND CONTINUOUS THROUGH TRAFFIC AND INGRESS AND EGRESS FOR ADJACENT OWNER DRIVEWAYS, SERVICE ROADS AND PUBLIC STREETS SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION.
- THE CONTRACTOR SHALL LOCATE, FLAG AND PRESERVE SURVEY MONUMENTS, EXISTING SURVEY CONTROL POINTS AND PROPERTY CORNER MARKERS. THE CONTRACTOR SHALL HAVE A LICENSED SURVEYOR REESTABLISH ANY PROPERTY CORNERS OR SURVEY MONUMENTS DISTURBED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTROL OF EROSION AND SEDIMENT ORIGINATING FROM CONSTRUCTION OPERATIONS IS CONSIDERED A CRITICAL RESPONSIBILITY OF THE CONTRACTOR. EROSION CONTROL DEVICES SHALL BE ESTABLISHED PRIOR TO COMMENCING WORK. THE ENGINEER WILL BE THE FINAL JUDGE OF THE ADEQUACY OF CONTRACTOR'S EROSION AND SEDIMENT CONTROL AND MAY SUSPEND WORK UNTIL ADEQUATE CONTROL IS ATTAINED.
- UTILITY POLES SHALL BE SUPPORTED, WHERE WORK IS WITHIN 34" OF POLE, AS NECESSARY, AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL TREES, FENCES AND OTHER OBSTACLES WITHIN THE ROW AND EASEMENT.
- TO PROTECT NEW OR EXISTING WORK, SHEETING OR SHORING (IF REQUIRED DURING CONSTRUCTION) SHALL BE PROVIDED AT NO COST TO THE OWNER.
- WHEREVER MAILBOXES, POSTS, FENCES, SHRUBBERY, ETC. ARE IN CONFLICT WITH THE PROPOSED CONSTRUCTION, THEY SHALL BE REMOVED AND RESET AS ORDERED BY THE ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DISPOSAL OF EXCAVATED MATERIAL FROM THE SITE.
- THE CONTROL OF DUST ORIGINATING FROM THE CONSTRUCTION OPERATIONS IS CONSIDERED A CRITICAL RESPONSIBILITY OF THE CONTRACTOR. THE ENGINEER WILL BE THE FINAL JUDGE OF THE ADEQUACY OF THE CONTRACTOR'S DUST CONTROL EFFORTS. WORK MAY BE SUSPENDED BY THE ENGINEER UNTIL ADEQUATE DUST CONTROL IS ATTAINED.
- ALL THRUST BLOCKS SHALL BE INSTALLED AGAINST UNDISTURBED SOIL.
- NO EXCAVATIONS ARE TO BE LEFT OPEN OVER NIGHT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE TO EXISTING PUBLIC AND PRIVATE ROADWAYS, PAVEMENT, LAWN AREAS, TREES, UTILITIES, STRUCTURES, SIGNS, AND OTHER EXISTING FEATURES CAUSED BY HIS OPERATIONS. ALL SUCH DAMAGE SHALL BE REPAIRED OR REPLACED IN KIND BY THE CONTRACTOR AT HIS EXPENSE TO THE SATISFACTION OF THE OWNER.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PRESERVE AND PROTECT ALL UTILITY LINES IN THE AREA OF CONSTRUCTION. THE LOCATIONS, SIZES, AND ELEVATIONS OF EXISTING UTILITIES/PIPING ARE BASED ON INFORMATION COMPILED FROM DRAWINGS OF RECORD WITH FIELD CHECKING WHERE POSSIBLE. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY INCUR BY HIS AND HIS AGENTS ACTIONS.
- THE CONTRACTOR SHALL RESTORE ALL ROADWAYS, WALKWAYS, AND LAWNS DISTURBED ON-SITE DURING CONSTRUCTION. RESTORATION SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. THE COST FOR RESTORATION SHALL BE INCLUDED IN THE APPROPRIATE BID ITEM.
- THE APPROXIMATE LOCATION OF ALL EQUIPMENT, CONTROLS, AND PIPING IS INDICATED ON THE PLANS, BUT THE FINAL LOCATION WILL BE GOVERNED BY THE ACTUAL LOCATION OF THE EXISTING PIPING TO REMAIN IN SERVICE, EXISTING/PROPOSED EQUIPMENT, OR OTHER CONTROLLING FACTORS AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION.
- ALL EXCAVATED AND DEMOLITION MATERIAL INCLUDING BUT NOT LIMITED TO, SCRAP METAL AND EQUIPMENT SHALL BE PROPERLY DISPOSED OF OFF-SITE BY THE CONTRACTOR AT HIS EXPENSE AT AN APPROPRIATELY PERMITTED FACILITY.
- ANY COSTS FOR SHORING, SHEETING, AND BRACING REQUIRED FOR CONSTRUCTION PURPOSES SHALL BE INCLUDED IN THE APPROPRIATE BID ITEM. ANY STRUCTURAL SHEET PILING TO BE USED SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER AND SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW AS A REQUIRED SUBMITTAL PRIOR TO ITS USE.
- PRIOR TO STARTING ANY WORK, THE CONTRACTOR SHALL SURVEY AND VERIFY ALL EXISTING ELEVATIONS AS GIVEN IN THESE PLANS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- WITHIN 7 DAYS AFTER AWARD OF CONTRACT AND PRIOR TO ISSUANCE OF A NOTICE TO PROCEED THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE OF CONSTRUCTION INCLUDING PLANNED TEMPORARY PUMPING AND CONTROL MEASURES FOR REVIEW AND DISCUSSION. THE PLAN SHOULD INCLUDE MEASURES EXPLAINING ANTICIPATED USE OF ON-SITE EMERGENCY POWER AND BACKUP PUMPING EQUIPMENT AND ITS AVAILABILITY.
- THE CONTRACTOR SHALL VIDEO THE SITE TO DEPICT ALL EXISTING CONDITIONS TO THE SATISFACTION OF THE ENGINEER PRIOR TO THE START OF WORK.
- MANY EXISTING FEATURES ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FULLY FAMILIARIZE HIMSELF WITH ALL EXISTING FEATURES TO DETERMINE THE EXTENT OF THE WORK IN CONJUNCTION WITH THE CONTRACT SPECIFICATIONS AND PLANS PRIOR TO SUBMITTING A BID.
- ALL PIPING PENETRATIONS THROUGH EXISTING CONCRETE WALLS SHALL INCLUDE A STEEL PIPE SLEEVE AND LINK SEAL ASSEMBLY AND SHALL BE GROUTED FLUSH WITH NON-SHRINK GROUT.
- ALL EXPOSED EXPANSION JOINTS SHALL BE CAULKED.
- IF THE PROPOSED WORK CONFLICTS WITH UNFORESEEN CONDITIONS, THE CONTRACTOR SHALL NOT PROCEED WITHOUT RESOLUTION TO THESE CONFLICTS. RESOLUTION WILL BE PROVIDED BY THE ENGINEER.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL CONTROL AND ALARM WIRING WITHIN EACH COMPONENT PROVIDED BY THE GENERAL CONTRACTOR.
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONDUIT, POWER WIRING, CONTROL WIRING, AND ALARM WIRING UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND BE RESPONSIBLE FOR ALL POWER CONNECTIONS FOR EACH COMPONENT PROVIDED BY OTHER CONTRACTORS.
- CONTRACTOR SHALL CONFIRM ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK AND NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
- CONTRACTOR SHALL PROTECT ALL EXISTING SITE AMENITIES NOT DESIGNATED FOR REMOVAL. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY UTILITY WHICH BECOMES DAMAGED AS A RESULT OF HIS CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL PROTECT AND SUPPORT ALL EXISTING UTILITIES FOR THE DURATION OF THE CONTRACT. THE CONTRACTOR SHALL REPLACE ANY UTILITY WHICH BECOMES DAMAGED AS A RESULT OF THE CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL MAINTAIN SAFE VEHICULAR AND PEDESTRIAN ACCESS TO THE WORK AREA FOR THE DURATION OF THE CONSTRUCTION.
- ALL EXCESS EXCAVATION MATERIALS DETERMINED BY THE ENGINEER TO BE REUSABLE BY THE CONTRACTOR FOR THIS CONTRACT, MAY BE STORED ON-SITE IN A LOCATION DETERMINED BY THE OWNER. CONTRACTOR SHALL STRIP AND STOCKPILE TOPSOIL AT A LOCATION ACCEPTABLE TO THE OWNER.
- CONTRACTOR STAGING AREAS ARE TO BE COORDINATED WITH THE OWNER PRIOR TO START OF CONSTRUCTION. ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL CONDITION.

WATER MAIN TESTING AND DISINFECTION NOTES:

- WATER FOR TESTING AND FLUSHING SHALL BE OBTAINED FROM EXISTING WATER SYSTEM. ARRANGEMENTS SHALL BE MADE WITH THE WATER DEPARTMENT FOR PAYMENT OF WATER USED.
- FLUSH MAINS AND SERVICES BEFORE TESTING. MINIMUM FLUSHING VELOCITY SHALL BE 2.5 FEET PER SECOND.
- BEFORE TESTING, SECTIONS ADJACENT TO THE TEST SECTION SHALL BE FILLED WITH WATER. THE CONTRACTOR SHALL FURNISH ALL WATER, EQUIPMENT, CONNECTIONS, PIPING, METERS, MEASURING DEVICES, PUMPS, AND TEMPORARY ENCLOSURES NECESSARY TO PERFORM THE REQUIRED TESTS.
- TESTING SHALL MEET THE MINIMUM REQUIREMENTS OF AWWA C-600 SECTION 4, EXCEPT WHERE MORE RIGID REQUIREMENTS ARE ESTABLISHED BY THE SPECIFICATIONS. BEFORE APPLYING TEST PRESSURE, ALL AIR SHALL BE EXPELLED FROM THE PIPE.
- ANY PUMP, PIPE, CONNECTIONS, GAUGES, AND MEASURING DEVICES SHALL BE CALIBRATED TO THE SATISFACTION OF THE ENGINEER.
- ALL WATER MAINS AND APPURTENANCES SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C 651 DISINFECTING WATER MAINS AND THE REQUIREMENTS OF NYS DEPARTMENT OF HEALTH, USING THE CONTINUOUS FEED METHOD. THE REQUIREMENTS OF NYS DEPARTMENT OF HEALTH SHALL GOVERN WHEN THERE IS A CONFLICT. USE 50 PPM INITIAL CHLORINE DOSE. DISINFECTANT SHALL REMAIN IN THE SYSTEM FOR A PERIOD OF 24 HOURS AFTER WHICH THE RESIDUAL SHALL BE AT LEAST 25 PPM. FOLLOWING DISINFECTION, ALL TREATED WATER SHALL BE THOROUGHLY FLUSHED FROM THE MAIN.
- WATER USED FOR DISINFECTING THE WATER MAINS, IF DISCHARGED TO THE STREAMS, MUST HAVE A CHLORINE RESIDUAL NOT EXCEEDING 0.05 mg/l AT THE POINT OF DISCHARGE. THE CONTRACTOR IS RESPONSIBLE TO ATTAIN THIS CHLORINE RESIDUAL LEVEL BY WHATEVER MEANS NECESSARY, AT NO COST TO THE OWNER.
- THE INTERIORS OF ALL APPURTENANCES AND SECTIONS OF WATER MAIN THAT CANNOT NORMALLY BE DISINFECTED SHALL BE SWABBED BY THE CONTRACTOR, TO THE SATISFACTION OF THE ENGINEER, WITH A CONCENTRATED CHLORINE SOLUTION CONTAINING NO LESS THAN 200 PPM OF FREE CHLORINE. THE CONTRACTOR SHALL ALSO DISINFECT ALL EXISTING WATER LINES AND APPURTENANCES WHICH WERE BROKEN, DAMAGED, CONTAMINATED, OR SUSPECTED OF BEING CONTAMINATED AS A RESULT OF WORK DONE WITH THIS PROJECT.
- WATER SAMPLES SHALL BE COLLECTED BY THE CONTRACTOR AND ANALYZED BY A NEW YORK STATE DEPARTMENT OF HEALTH APPROVED TESTING LABORATORY FOR BACTERIOLOGICAL CONTENT WITH ONE TEST SAMPLE TO INCLUDE A HETEROTROPHIC PLATE COUNT. A MINIMUM OF TWO CONSECUTIVE SETS OF SAMPLES TAKEN 24 HOURS APART FROM EACH LOCATION AS SHOWN ON THE CONTRACT LOCATION. LOCATION OF SAMPLING TAP AS APPROVED BY THE ENGINEER AND L.C.D.O.H. FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING DEVICES. THE CONTRACTOR SHALL COORDINATE WITH THE LIVINGSTON COUNTY HEALTH DEPARTMENT TO OBTAIN THESE SAMPLES. THE WORK WILL NOT BE ACCEPTED UNTIL A REPORT IS SUBMITTED TO THE ENGINEER, SHOWING THAT THE WATER SAMPLE IS SATISFACTORY AND THE SYSTEM IS READY FOR USE. THE WATER MAIN SHALL NOT BE PLACED INTO SERVICE UNTIL SO AUTHORIZED BY THE LIVINGSTON COUNTY DEPARTMENT OF HEALTH.

CONSTRUCTION SEQUENCE NOTES:

- THE OWNER WILL MAINTAIN AND OPERATE ALL EXISTING FACILITIES AT CURRENT LEVELS UP TO AND UNTIL THAT TIME AT WHICH THE CONTRACTOR REQUIRES ACCESS TO AN EXISTING PROCESS UNIT AS DETAILED BELOW FOR REHABILITATION OR DEMOLITION PURPOSES.
- GENERAL AND ELECTRICAL CONTRACTORS ARE REQUIRED TO COORDINATE ALL CONSTRUCTION WITH EACH OTHER.
- THE OWNER WILL PAY ALL NECESSARY UTILITY CHARGES RELATED TO THE OPERATION OF THE EXISTING FACILITY AND THOSE NEWLY-CONSTRUCTED FACILITIES DEEMED OPERATIONAL BY THE ENGINEER. THE OWNER SHALL PAY ALL UTILITY COSTS ASSOCIATED WITH CONSTRUCTION OPERATIONS, INCLUDING BUT NOT BE LIMITED TO TEMPORARY ELECTRIC AND TELEPHONE SERVICE REQUIRED.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL TEMPORARY PUMPS, PIPING AND FACILITIES REQUIRED TO PERFORM HIS WORK.
- THE CONTRACTOR SHALL COORDINATE ALL OPERATIONAL CHANGES WITH THE OWNER AND ENGINEER. THE CONTRACTOR SHALL TEST AND SUCCESSFULLY START-UP ALL NEW UNITS AND MAKE ALL NEW PORTIONS OF THE PUMP STATIONS OPERATIONAL. WHEN A FACILITY IS TURNED OVER TO THE OWNER FOR THEIR OPERATION, THE WARRANTY PERIOD BEGINS FOR THAT FACILITY.
- PRIOR TO ISSUANCE OF A NOTICE TO PROCEED, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL A DETAILED CONSTRUCTION AND OPERATION PLAN DETAILING HIS METHOD OF MAINTAINING EXISTING PUMPING DURING HIS CONSTRUCTION SEQUENCE.
- IT IS THE RESPONSIBILITY OF ANY CONTRACTOR SUBMITTING A BID TO FULLY INVESTIGATE AND BECOME KNOWLEDGEABLE IN THE CURRENT PUMPING OPERATION AND ALL EXISTING CONTROLS, AND PIPING CRITICAL TO MAINTAIN CURRENT PUMPING REQUIREMENTS. ANY TEMPORARY EQUIPMENT OR PIPING NECESSARY TO MAINTAIN OPERATION OF EACH FACILITY WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND RELATED COSTS INCLUDED IN THE BID ITEMS.

EROSION CONTROL NOTES:

- ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH N.Y.S. GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL, AND LOCAL GOVERNING SOIL AND WATER CONSERVATION AGENCY RECOMMENDATIONS AND STANDARDS.
- ONLY AREAS NEEDED FOR CONSTRUCTION AS SHOWN ON THESE PLANS SHALL BE DISTURBED. NO OTHER TREES, SHRUBS, OR GRASSES ARE TO BE REMOVED FOR CONSTRUCTION. REMAINING VEGETATION SHALL BE PROTECTED TO PRESERVE THEIR AESTHETIC AND EROSION CONTROL VALUES.
- THE CONTROL OF EROSION AND SEDIMENTATION SHALL BE A CONTINUOUS PROCESS UNDERTAKEN AS NECESSARY PRIOR TO, DURING AND AFTER SITE PREPARATION AND CONSTRUCTION BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF EROSION CONTROL AND SEDIMENTATION CONTROLS AFTER GROUND COVER IS ESTABLISHED.
- THE CONTRACTOR SHALL REMOVE EROSION CONTROL MEASURES WHEN AN AREA IS PERMANENTLY STABILIZED. CONSTRUCTION IS COMPLETE, FINAL VEGETATIVE COVER HAS BEEN ESTABLISHED, AND AS APPROVED BY THE ENGINEER.
- "LOOSE PILE" MATERIAL THAT IS EXCAVATED FOR BUILDING CONSTRUCTION PURPOSES SHALL BE KEPT LOOSE PILED UNTIL IT IS USED FOR FOUNDATION BACKFILL OR FINAL GRADING AND PERMANENT VEGETATION.
- RUNOFF FROM STOCKPILED MATERIALS SHALL BE CONTAINED BY EROSION CONTROL MEASURES. STOCKPILED MATERIALS NOT MOVED WITHIN 30 DAYS SHALL BE SHAPED INTO A UNIFORM PILE AND SEEDED WITH A RAPID GERMINATING GRASS SEED MIX.
- CONTRACTOR SHALL ROUGH GRADE THE SITE. ALL FILL MATERIAL SHALL BE COMPACTED SUFFICIENTLY TO PREVENT PROBLEMS OF EROSION AND SETTLEMENT WHERE THE MATERIAL IS TO SUPPORT STRUCTURES. IT SHALL BE COMPACTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR TEST DENSITY WITH PROPER MOISTURE CONTENT.
- ALL CATCH BASINS/DRAINAGE INLETS SHALL BE PROTECTED TO KEEP SEDIMENTATION FROM ENTERING THE STORM SEWER.
- CONTRACTOR SHALL TEMPORARY SEED AND MULCH ALL DIVERSION DITCHES AND ANY OTHER DISTURBED AREAS NOT SCHEDULED FOR IMMEDIATE ADDITIONAL WORK. REMAINING DISTURBED AREAS SHALL BE SEEDED WITH GROUND COVER AND MULCHED AS AFTER THEIR DISTURBANCE AS CONSTRUCTION PRACTICES AND WEATHER WILL ALLOW.
- DRAINAGE SYSTEMS AND EROSION AND SEDIMENT CONTROL DEVICES SHALL BE MAINTAINED AS FREQUENTLY AS NECESSARY AND REPLACED IF NECESSARY UNTIL SUCH TIME AS A SUBSTANTIAL STAND OF VEGETATION HAS DEVELOPED AND THE POTENTIAL FOR EROSION NO LONGER EXISTS.
- THE CONTRACTOR SHALL MAINTAIN SITE CONDITIONS WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THE CONTRACTOR SHALL KEEP CLEAN AND FREE SIDEWALKS, STREETS, AND PAVEMENTS FROM DIRT, MUD, STONE, DEBRIS, AND OTHER HAULED MATERIALS AS A RESULT OF HIS WORK.
- SITE EROSION CONTROL MEASURES INCLUDE BUT ARE NOT LIMITED TO MEASURES SHOWN ON THE PLANS. CONTRACTOR SHALL IMPLEMENT OTHER MEASURES AS ORDERED BY THE ENGINEER NECESSARY TO CONTROL EROSION AND SEDIMENTATION ON SITE.
- CONTRACTOR SHALL INSPECT EROSION AND SEDIMENTATION CONTROL MEASURES ONCE PER WEEK, AND WITHIN ONE WORKING DAY OF ANY RAINFALL EVENT OF 1/2" RAINFALL OR GREATER.
- REMOVE ACCUMULATED SEDIMENTS FROM TRAPS WHEN SEDIMENTS OCCUPY 50% OF THE VOLUME PROVIDED.
- CHECK AND REPAIR SILT FENCING AREAS, AS NECESSARY.
- SWEEP ADJOINING ROADWAYS, IF ANY TRACKING OF SOILS ONTO OFF-SITE PAVING OCCURS.
- INSPECT, AND CLEAN AS NECESSARY, ALL TEMPORARY CONTROL PROVISIONS AT DRAINAGE INLETS.

LEGEND

	ABANDON EXISTING HYDRANT, VALVE
	DIRECTION OF FLOW
	POWER POLE
	LIGHT POLE
	SIGN
	DECIDUOUS TREE, PINE TREE, STUMP
	PROPOSED STUMP REMOVAL AND TREE REPLACEMENT
	IRON PIN
	CHECK DAM
	CLAY PLUG
	PRESSURE TRANSDUCER
	PRESSURE SWITCH
	PRESSURE INDICATOR

DEMOLITION / REMOVAL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR PROMPT REMOVAL AND PROPER DISPOSAL OFF-SITE OF ALL MATERIALS NOT OTHERWISE DESIGNATED TO BE STORED, REUSED, RELOCATED OR TURNED OVER TO THE OWNER.
- ALL DISPOSAL SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS REQUIRED AND THE COST OF DISPOSAL.
- ALL TREES AND SHRUBS WITHIN CONSTRUCTION ZONE DESIGNATED FOR REMOVAL SHALL BE COMPLETELY REMOVED (ROOT SYSTEM INCLUDED) AND PROPERLY DISPOSED OF.
- TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE. CONTRACTOR SHALL TAKE APPROPRIATE EROSION CONTROL MEASURES TO PREVENT MATERIAL FROM ENTERING DRAINAGE BASINS OR FLOWING TO ADJACENT PROPERTIES. NO TOPSOIL SHALL BE REMOVED FROM THE SITE WITHOUT APPROVAL OF THE ENGINEER. ALL TOPSOIL REMAINS THE PROPERTY OF THE OWNER.
- EXCESS AND UNSUITABLE FILL MATERIAL, IF ANY SHALL BE REMOVED FROM SITE AND PROPERLY DISPOSED OF BY THE CONTRACTOR.

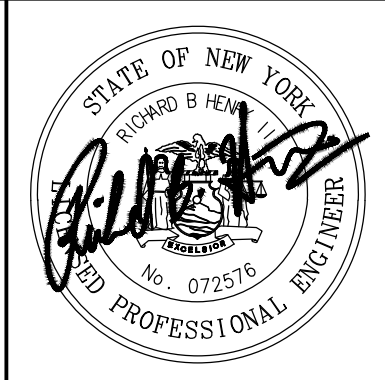
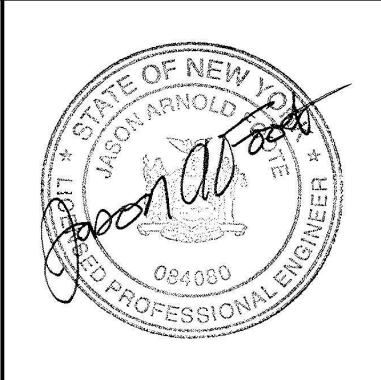
RECORD DRAWINGS

REVISIONS				
NO.	DATE	BY	CHKED	DESCRIPTION



205 ST. PAUL STREET, SUITE 500
ROCHESTER, NEW YORK 14604
TEL (800) 274-9000
FAX (585) 232-5836
www.clarkpatterson.com

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LIVINGSTON COUNTY WATER
AND SEWER AUTHORITY

LIVINGSTON COUNTY NEW YORK

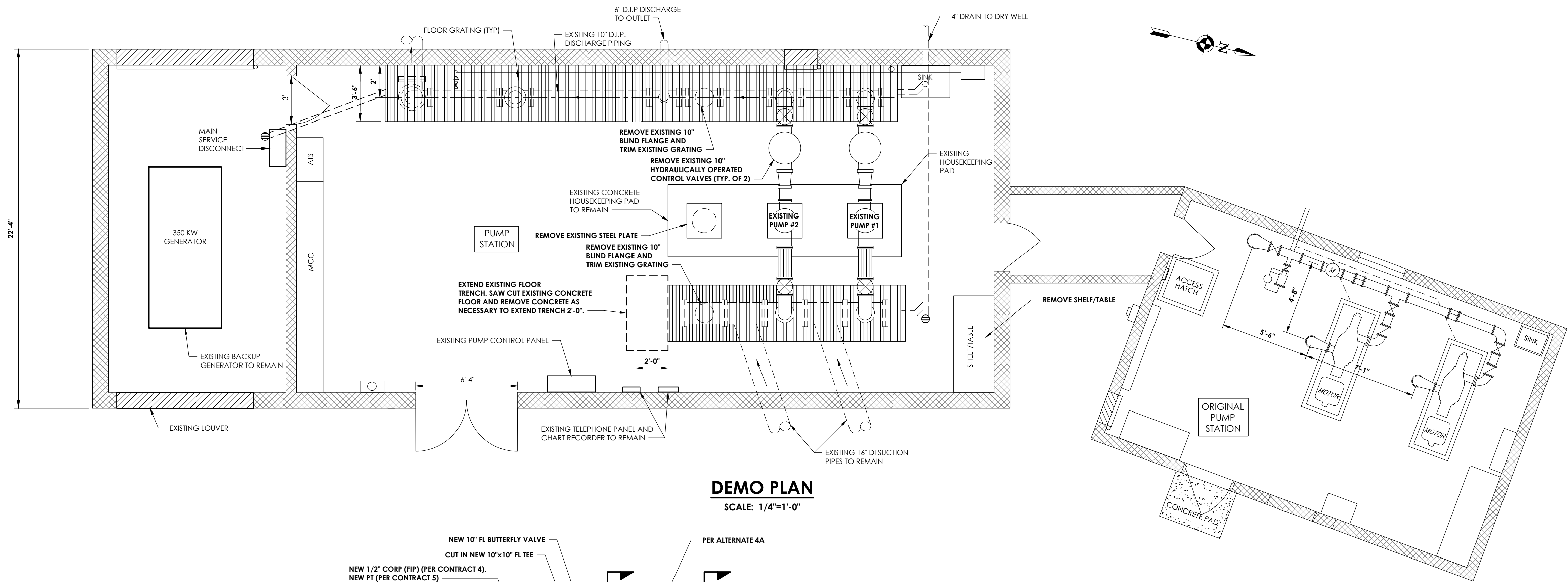
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DESIGNED:	JAF
CHECKED:	ECW
SCALE:	AS NOTED

DOCCS WATER SUPPLY
CONTRACT 4: PUMP STATIONS

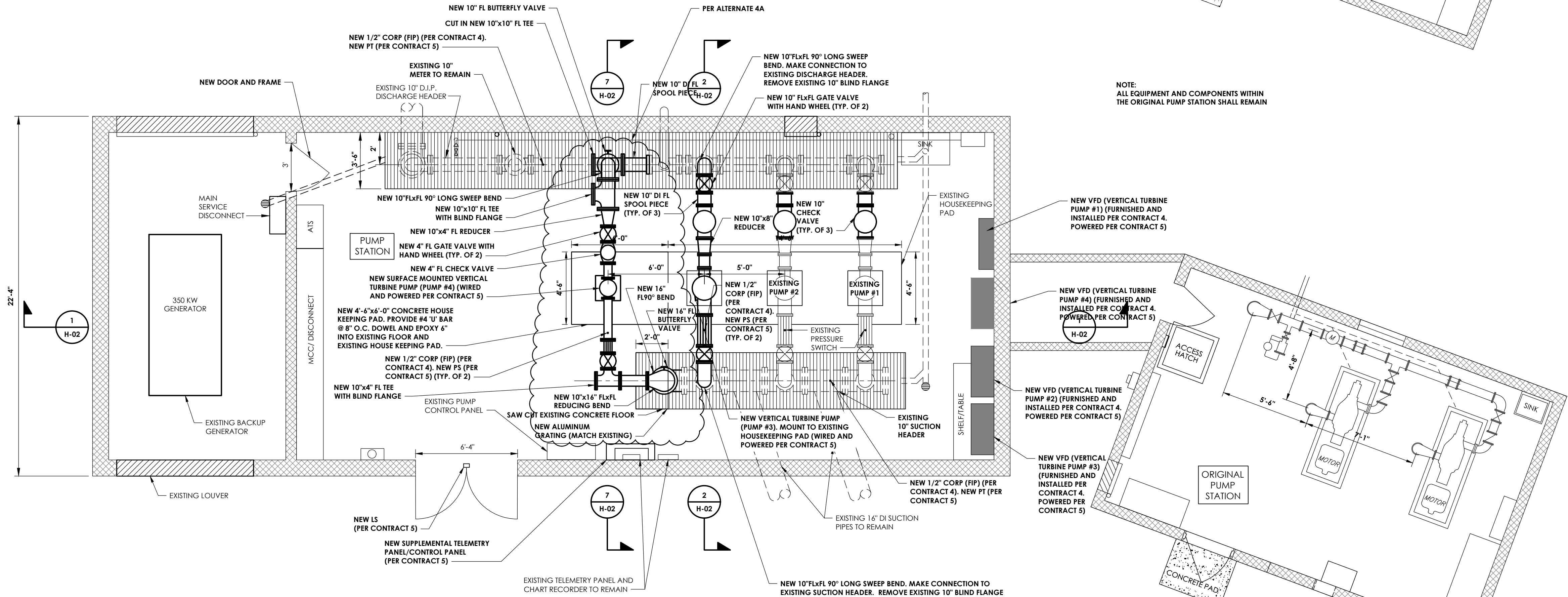
GENERAL NOTES

PROJECT NUMBER	13629.00
DRAWING NUMBER	G-01

Referenced Drawings: None
Drawing Name: J:\PROJECTS\LCWSA\Grove Cor Wtr V Construction\ASBUILTS\DWG\Contract 4 Pump Stations\Hemlock PS\Hemlock Building.dwg
Plotted By: Connor Himes
Date last plotted: 8/1/2019 10:06 AM
Date last accessed: 8/1/2019 10:04 AM



DEMO PLAN
SCALE: 1/4"=1'-0"



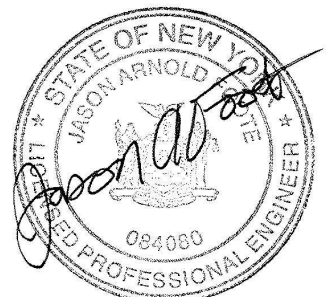
PROPOSED FLOOR PLAN
SCALE: 1/4"=1'-0"

RECORD DRAWINGS

REVISIONS					DESCRIPTION
NO.	DATE	BY	CHKD		
1	06/01/17	NCB	JAF		PER ADDENDUM NO. 1

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**LIVINGSTON COUNTY WATER
AND SEWER AUTHORITY**

LIVINGSTON COUNTY NEW YORK

DATE:	1/24/17
DRAWN:	DGI
DESIGNED:	JAF
CHECKED:	ECW
SCALE:	AS NOTED

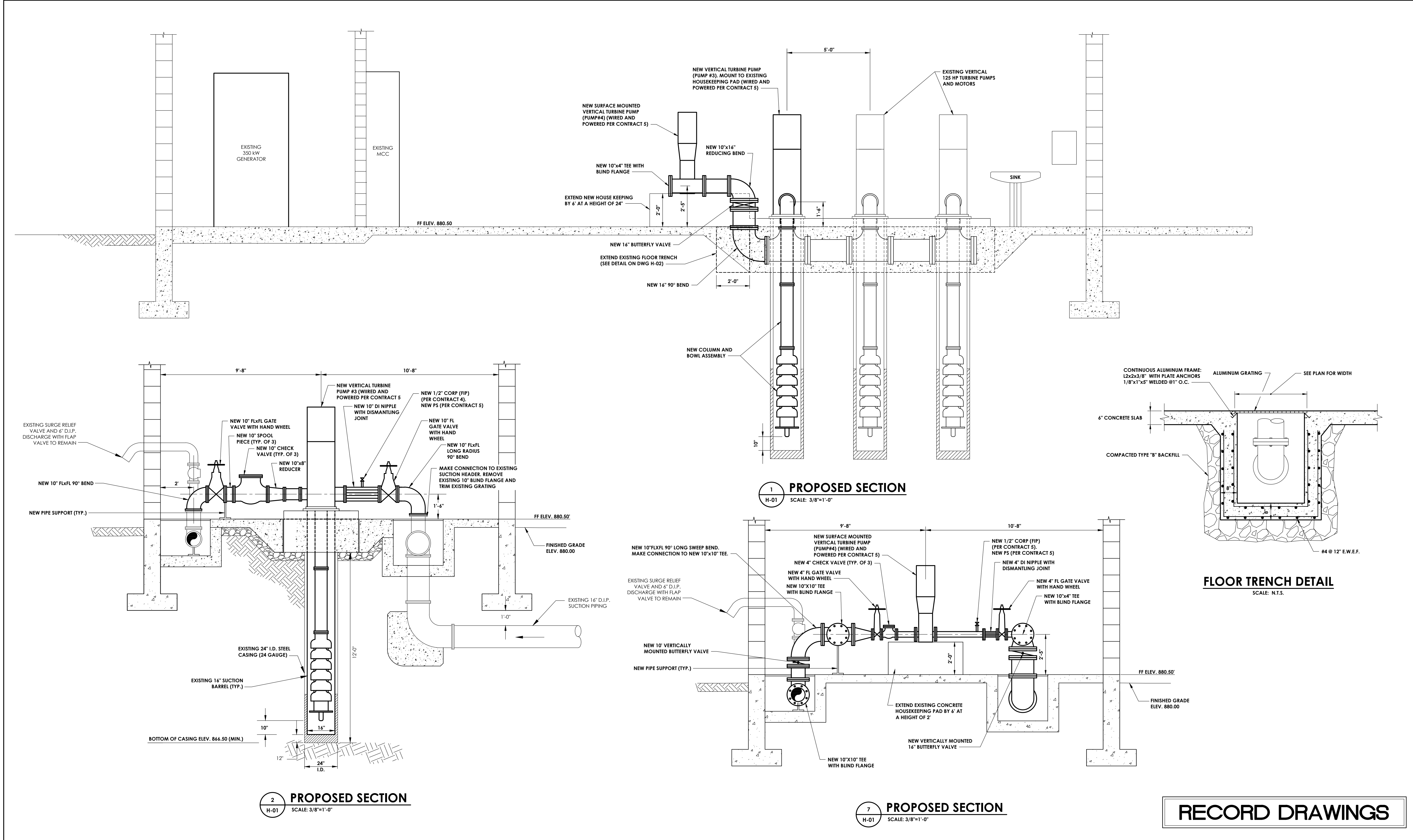
DOCCS WATER SUPPLY
CONTRACT 4: PUMP STATIONS

**HEMLOCK PUMP STATION:
DEMO PLAN AND PROPOSED FLOOR PLAN**

PROJECT NUMBER	13629.00
DRAWING NUMBER	H-01R

THIS IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR SURVEYOR, TO ALTER AN ITEM IN ANY WAY IF AN ITEM BEARING THE SEAL OF A LICENSED ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED. THE ALTERING PARTY SHALL APPLY TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION. AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Referenced Drawings: None
Drawing Name: J:\PROJECTS\LCWSA\Grove Corr Wtr VC Construction\ASBUILTS\DWG\Contract 4 Pump Stations\Hemlock PS\Hemlock Building.dwg
Plotted By: Connor Himes
Date last accessed: 8/1/2019 10:04 AM
Date last plotted: 8/1/2019 10:05 AM

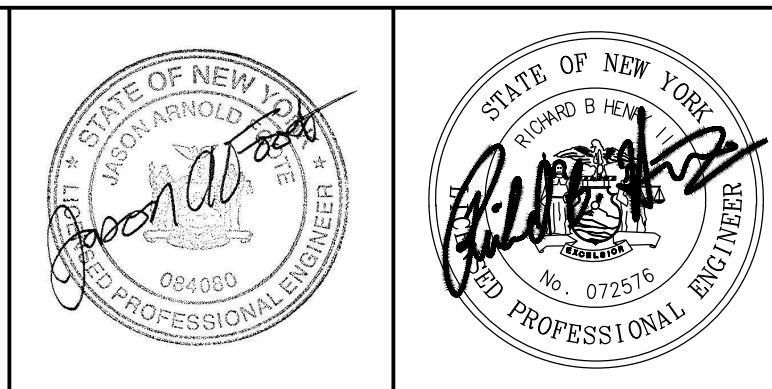


RECORD DRAWINGS

REVISIONS					DESCRIPTION
NO.	DATE	BY	CHKD		
1	06/01/17	NCB	JAF		PER ADDENDUM NO. 1

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LIVINGSTON COUNTY WATER AND SEWER AUTHORITY

LIVINGSTON COUNTY NEW YORK

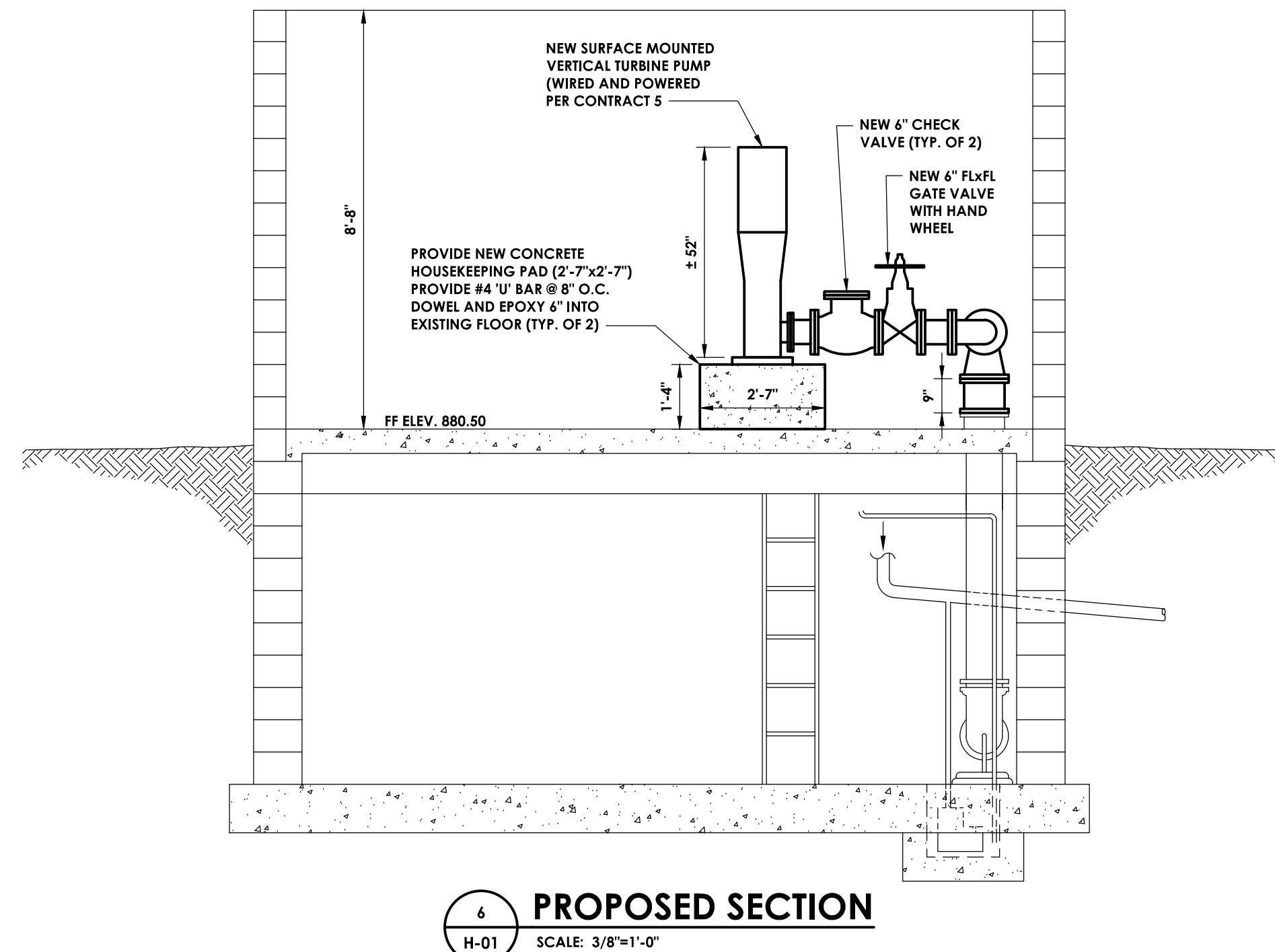
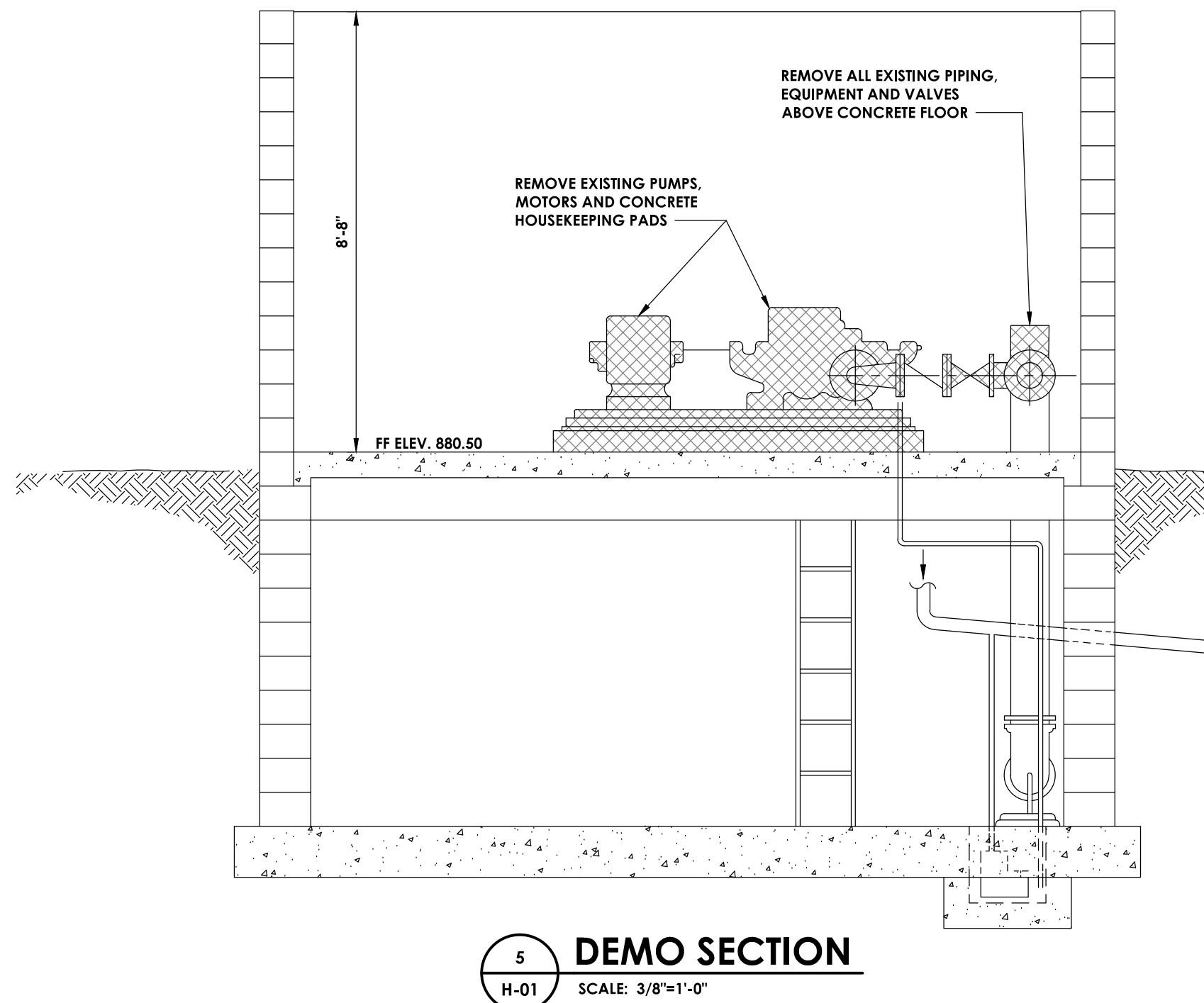
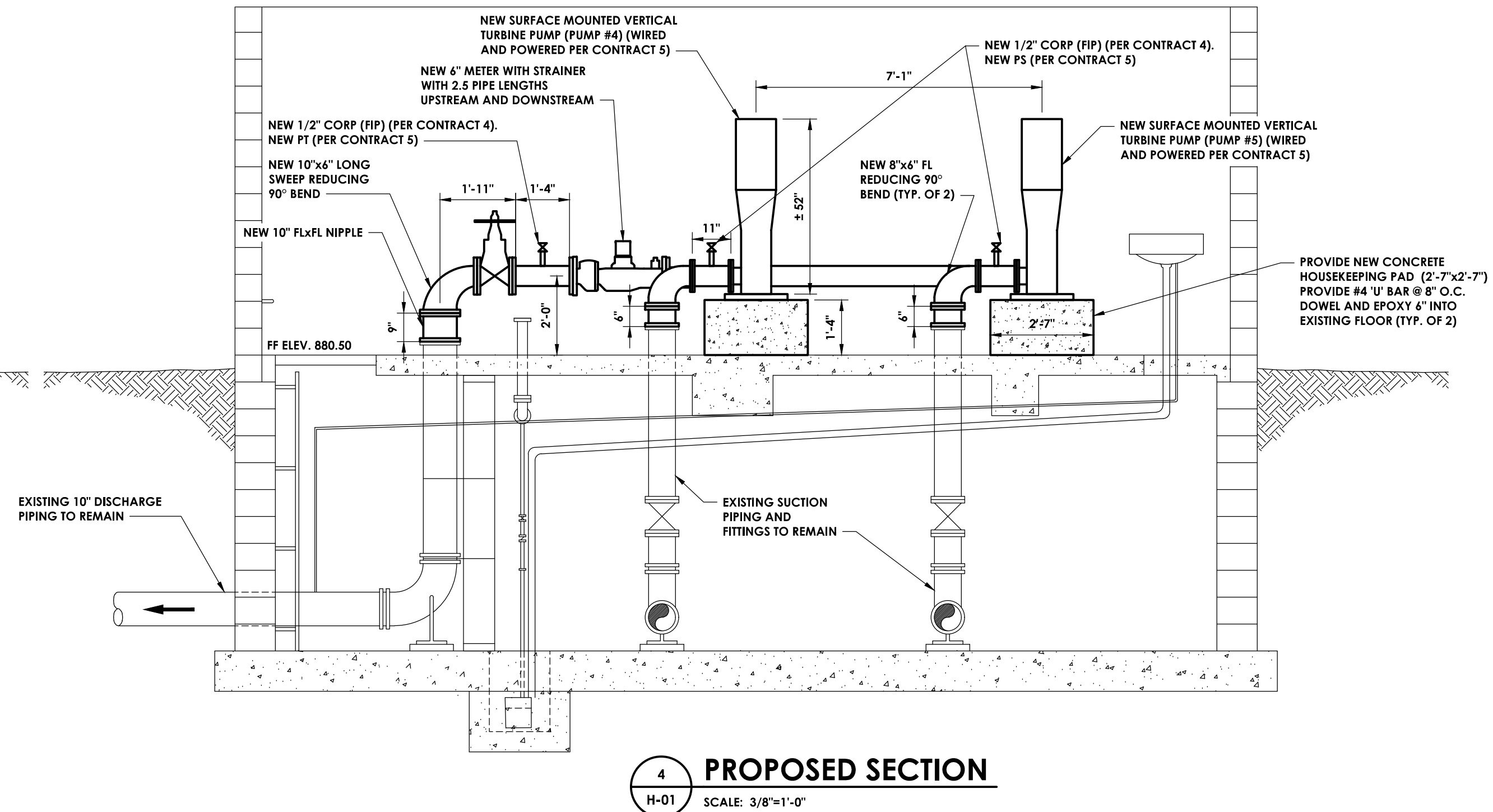
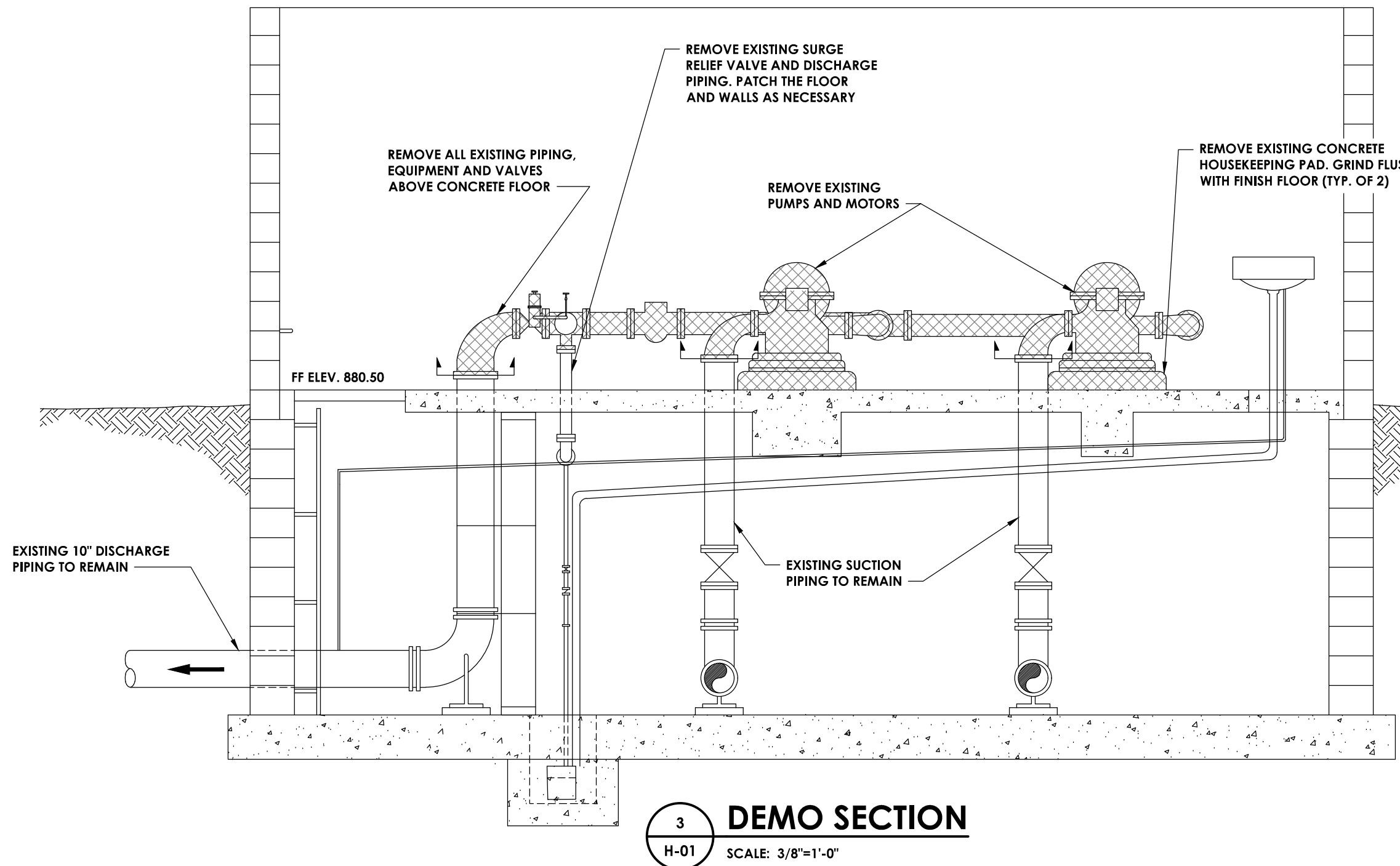
DATE:	1/24/17
DRAWN:	DGI
DESIGNED:	JAF
CHECKED:	ECW
SCALE:	AS NOTED

**DOCCS WATER SUPPLY
CONTRACT 4: PUMP STATIONS**

**HEMLOCK PUMP STATION:
SECTIONS**

PROJECT NUMBER	13629.00
DRAWING NUMBER	H-02R

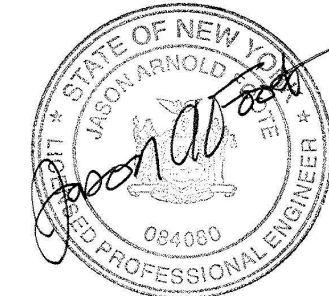
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Plotted By: Connor Himes
Date last plotted: 8/1/2019 10:04 AM
Date last accessed: 4/4/2019 10:28 AM



NOTES:
1. ALL WORK ON THIS PAGE IS PER ALTERNATE 4A

RECORD DRAWINGS

REVISIONS					
NO.	DATE	BY	CHKD	DESCRIPTION	



LIVINGSTON COUNTY WATER
AND SEWER AUTHORITY

LIVINGSTON COUNTY NEW YORK

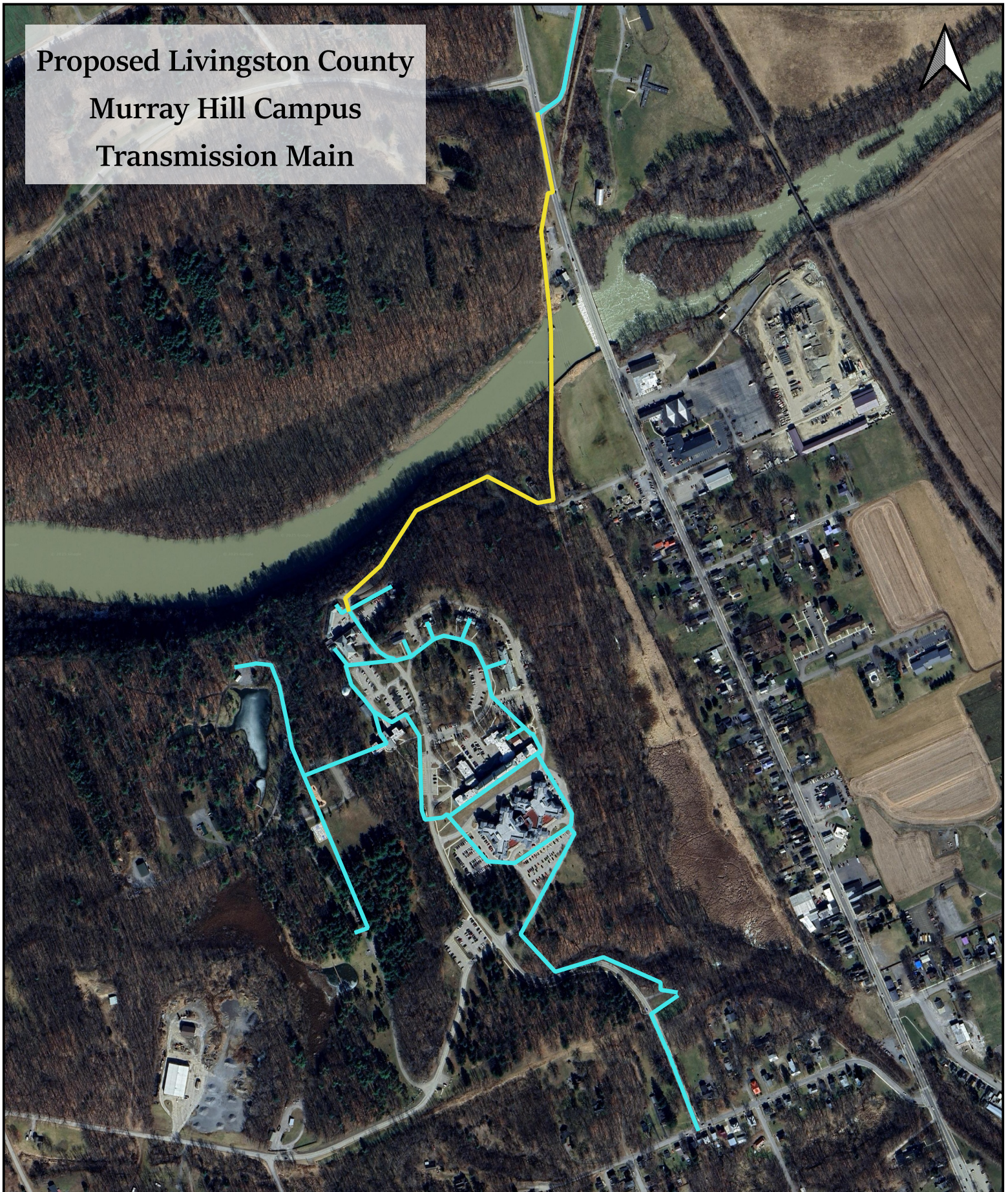
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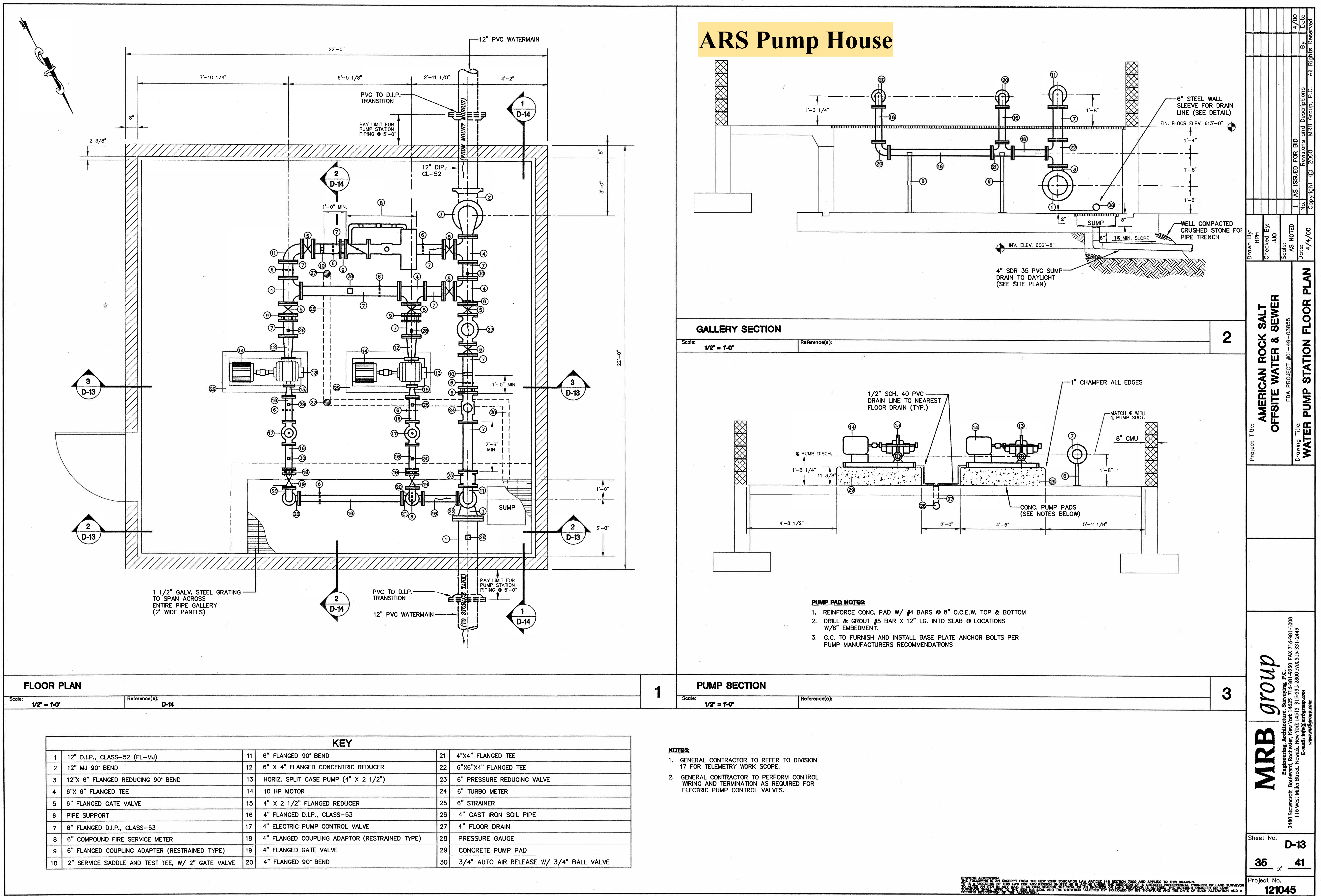
DOCCS WATER SUPPLY
CONTRACT 4: PUMP STATIONS

HEMLOCK PUMP STATION:
SECTIONS

PROJECT NUMBER	13629.00
DRAWING NUMBER	H-03

Proposed Livingston County
Murray Hill Campus
Transmission Main





ARS Pump House

GALLERY SECTION

Scale: 1/2" = 1'-0"

Reference(s):

2

PUMP SECTION

Scale: 1/2" = 1'-0"

Reference(s):

3

FLOOR PLAN

Scale: 1/2" = 1'-0"

Reference(s): D-14

1

KEY

1	12" D.I.P., CLASS-52 (FL-MJ)	11	6" FLANGED 90° BEND	21	4"x4" FLANGED TEE
2	12" MJ 90° BEND	12	6" X 4" FLANGED CONCENTRIC REDUCER	22	6"x6"x4" FLANGED TEE
3	12"x 6" FLANGED REDUCING 90° BEND	13	HORIZ. SPLIT CASE PUMP (4" X 2 1/2")	23	6" PRESSURE REDUCING VALVE
4	6"x 6" FLANGED TEE	14	10 HP MOTOR	24	6" TURBO METER
5	6" FLANGED GATE VALVE	15	4" X 2 1/2" FLANGED REDUCER	25	6" STRAINER
6	PIPE SUPPORT	16	4" FLANGED D.I.P., CLASS-53	26	4" CAST IRON SOIL PIPE
7	6" FLANGED D.I.P., CLASS-53	17	4" ELECTRIC PUMP CONTROL VALVE	27	4" FLOOR DRAIN
8	6" COMPOUND FIRE SERVICE METER	18	4" FLANGED COUPLING ADAPTOR (RESTRAINED TYPE)	28	PRESSURE GAUGE
9	6" FLANGED COUPLING ADAPTER (RESTRAINED TYPE)	19	4" FLANGED GATE VALVE	29	CONCRETE PUMP PAD
10	2" SERVICE SADDLE AND TEST TEE, W/ 2" GATE VALVE	20	4" FLANGED 90° BEND	30	3/4" AUTO AIR RELEASE W/ 3/4" BALL VALVE

NOTES:

- GENERAL CONTRACTOR TO REFER TO DIVISION 17 FOR TELEMETRY WORK SCOPE.
- GENERAL CONTRACTOR TO PERFORM CONTROL WIRING AND TERMINATION AS REQUIRED FOR ELECTRIC PUMP CONTROL VALVES.

AMERICAN ROCK SALT
OFFSITE WATER & SEWER

WATER PUMP STATION FLOOR PLAN

MRB group

Engineering, Architecture, Surveying, P.E.
2480 Brownsville Road, Suite 200, Rockville, MD 20850 FAX 301-381-1008
110 West Village Street, New York, NY 10013 315-331-2800 FAX 315-331-2445
E-mail: info@mrbgroupp.com
www.mrbgroup.com

Sheet No. D-13

35 of 41

Project No. 121045

Drawn By: HPH
Checked By: JJO
Scale: AS NOTED
Date: 4/4/00

AS ISSUED FOR BID
Revisions and Descriptions
No. 1
Date 4/4/00

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July 21, 2025

Jason Molino
Livingston County Water & Sewer Authority
1997 D'Angelo Drive
P.O. Box 396
Lakeville, NY 14480

Re: NYSEFC
Livingston County Water and Sewer Authority Regional Water Supply Project
Livingston County, NY
25PR06369
Project # 19225

Dear Jason Molino:

The State Historic Preservation Office (SHPO) understands that there are temporal and financial concerns regarding this project that require a letter from the SHPO so that funds may be committed. The SHPO does not oppose the obligation of funds as long as there is a commitment from Livingston County to conduct any SHPO recommended cultural resource investigations prior to construction, with NYSEFC concurrence. The SHPO appreciates the opportunity to comment on this information.

If you have any questions, I can be reached at Sydney.Snyder@parks.ny.gov.

Sincerely,

Sydney Snyder
Scientist - Archaeology



October 27, 2025

Sent via email

Jason Molino
Livingston County Water & Sewer Authority
1997 D'Angelo Dr
Lakeville, NY 14480

Re: **SEQR Lead Agency Response / Jurisdictional Review**
LCWSA Regional Water Supply Project
Various Streets, Mt. Morris, Avon, Livonia, Lima, Leicester, Groveland,
Geneseo (T), Livingston (C)

Jason Molino:

The New York State Department of Environmental Conservation (the Department) has reviewed the information provided for the development of a new regional water supply project in Livingston County. Please find the following comments for the approximated project location (see attached area map).

SEQR Coordination & Establishment of Lead Agency

The NYS Department of Environmental Conservation has no objection to the Livingston County Water and Sewer Authority being established as SEQR lead agency for the environmental review of this action.

Biotic Communities/Endangered and Threatened Species of Flora and Fauna

We have reviewed the available information in the New York State Natural Heritage Program databases for known occurrences of federally-listed or proposed endangered or threatened species; state-listed endangered, threatened or rare animal and plant species; significant natural communities; and other significant habitats. Occurrences of short-eared owl (*Asio flammeus*), sedge wren (*Cistothorus stellaris*), and Wabash pigtoe (*Fusconaia flava*) were found in the vicinity of the project site. It is recommended that a professional (biologist, botanist or landscape architect) familiar with the identification of these species undertake a survey of the literature and determine if the proposed project contains habitats which would favor these species. If favorable habitats exist, a field survey would be needed to determine if the species is actually present. If populations of the endangered or threatened species are found to be in the project area, project modifications should be considered to avoid or minimize impact. In addition, if a state-listed threatened or endangered species of wildlife, or its habitat is present within or near a project area, a Part 182 Incidental Take permit may be required from the DEC.

Article 15 Protection of Waters

The streams near/in the project vicinity are considered navigable. An Article 15 Protection of Waters permit, pursuant to 6NYCRR Part 608 will be required for any excavation or fill of this stream during the course of the project. The U. S. Army Corps of Engineers in Buffalo should be contacted to determine if any federal approvals are required for work in or near the protected streams or their tributaries. Contact the U. S. Army Corps at: Chief Regulatory Branch, U. S. Army

Corps of Engineers, Buffalo District, 478 Main St., Buffalo NY 14202. Their phone number is (716) 879-4330.

Portions of the Genesee River are in very close proximity to listed mussel occurrences, as such, a mussel survey may need to be conducted before any construction that will divert stormwater runoff into this stream can be done. Standard sedimentation and erosion controls should be employed to avoid contravention of the water quality standards.

The U. S. Army Corps of Engineers in Buffalo should be contacted to determine if any federal approvals are required for work in or near the protected streams or their tributaries. Contact the U. S. Army Corps at: Chief Regulatory Branch, U. S. Army Corps of Engineers, Buffalo District, 478 Main St., Buffalo NY 14202. Their phone number is (716) 879-4330.

Article 24 NYS Freshwater Wetlands

Portions of New York State regulated freshwater wetlands and their adjacent areas may be located in the project area. Although some limited activities are exempt from permitting, most activities that involve disturbance within a wetland or its 100-foot adjacent area require an Environmental Conservation Law (ECL) Article 24, Freshwater Wetlands permit from the DEC. Information on regulated activities within freshwater wetlands and adjacent areas is available on DEC's website (see: <https://dec.ny.gov/regulatory/permits-licenses/waterways-coastlines-wetlands/freshwater-wetlands#Determine>), which contains examples of regulated activities and those exempt from wetland permits.

DEC's amended Article 24, Freshwater Wetlands Jurisdiction and Classification regulations (6 NYCRR Part 664) went into effect on January 1, 2025. To determine whether the property contains regulated freshwater wetlands the project sponsor must submit a request for a Parcel Jurisdictional Determination (Parcel JD). A Parcel JD is a determination made by DEC whether a property contains regulated freshwater wetlands or adjacent areas within the parcel boundary. Please use the following link to request a Parcel JD for the project site: <https://dec.ny.gov/nature/waterbodies/wetlands/freshwater-wetlands-program/freshwater-wetland-jurisdictional-determination>. If you have any problems submitting the Parcel JD request, please email fwwjurisdiction@dec.ny.gov.

If the property contains regulated freshwater wetlands or adjacent areas, further delineation of the wetland boundaries and a Project Jurisdictional Determination (Project JD) may be required. A Project JD is a determination made by DEC whether a proposed activity within a parcel containing regulated freshwater wetlands or adjacent areas requires an Article 24 Freshwater Wetlands permit. If necessary, a Project JD may also be requested using the link provided above.

If regulated freshwater wetlands or adjacent areas are present, all efforts must be made to first avoid disturbing the wetland and adjacent area. If disturbance to the wetland and/or adjacent area cannot be avoided, the project sponsor must submit a Freshwater Wetland permit application and obtain a permit to conduct a regulated activity. In accordance with DEC's Freshwater Wetlands Permit Requirements Regulations (6 NYCRR Part 663), the applicant would need to justify the disturbance, discuss alternatives, and minimize impacts as part of the Freshwater Wetlands permit application. More information on application procedures and permit issuance standards is available on DEC's website at: <https://dec.ny.gov/regulatory/permits-licenses/waterways-coastlines-wetlands/freshwater-wetlands#Determine>.

Federal Wetlands

While the Department asserts jurisdiction over NYS regulated freshwater wetlands, the U. S. Army Corps of Engineers regulates federally protected wetlands. For questions regarding federal wetlands, and the federal permitting process, contact the U. S. Army Corps of Engineers at: Chief, Regulatory Branch, U. S. Army Corps of Engineers, Buffalo District, 478 Main St., Buffalo NY 14202 or (716) 879-4330.

Section 401 Water Quality Certification (WQC)

Work in certain waters and wetlands of the United States may require a permit from the U. S. Army Corps of Engineers (Corps). If a Corps permit is required, the Corps may request that the DEC make a determination (Water Quality Certification, pursuant to Section 401 of the Federal Clean Water Act) that discharges from the proposed activities, for which an applicant is seeking a Corps permit approval, will comply with the applicable effluent limitations, water quality standards, and any other applicable conditions of the State Law.

Documentation in support of a 401 Water Quality Certification would include demonstration of compliance with either the Department's State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activities (GP-0-20-001) or the MS4 (Municipal Separate Storm Sewer Systems). This documentation would include submission of a completed Notice of Intent and, in an MS4 area, a copy of the local municipality's approved MS4 Stormwater Pollution Prevention Plan (SWPPP) Acceptance Form as part of a complete application. The actual SWPPP could also be required depending on the project.

Supplemental Materials for Horizontal Directional Drilling (HDD)

For projects involving HDD near wetlands, streams, or other protected natural resources, the Department would request the submission of an Inadvertent Return Plan (IRP) prior to the commencement of drilling operations to demonstrate that prevention and response measures are established in the event of an inadvertent release of drilling fluid. The attached Inadvertent Return Plan Sample (Attachment C) provides guidance regarding the general components of an adequate IRP. Please note that the Department would request an IRP which is specific to the proposed project and simply providing the sample IRP would not be considered adequate.

Additionally, the Department would request a comprehensive list of products within the drilling fluid. An adequate product list would include the trade name for each component, the name of the manufacturer, all ingredients—proprietary or not—including specific chemical compounds and percentage of composition, identification of any hazardous substances and/or environmental contaminants, and any chemical analysis available from the manufacturer.

Depending on the site conditions and proposed project plans, The Department may also request a geotechnical assessment of the project area. Geotechnical assessments would need to be completed by a qualified geologist and would serve to address the viability of the project site. Components of an adequate assessment may include an estimation of potential inadvertent return risk (low/medium/high), soil core sampling analysis, and range of drilling pressures to be maintained throughout the project.

Please note that supplemental materials requested by the Department are project-specific, and that the types of information requested may change as guidance regarding HDD procedures is updated.

Flood Plain

The site may be located within a 100-year floodplain boundary and may also be located within the floodway boundaries. Structural designs should take these criteria into account and, if located within the floodway, allow passage of the flood waters flowing through the floodway. This project must be completed in compliance with Town flood control ordinances. As required by Floodplain Management Regulations, if any state monies are used, this project must also be in compliance with 6 NYCRR Part 502 Floodplain Management Criteria for State Projects.

Stormwater General Permit – Construction

This project may need to be compliant with the State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activities (GP-0-20-001). Construction activities that involve one acre or more of land disturbance must obtain SPDES stormwater permit coverage through either an individual permit or GP-0-20-001. To obtain authorization under GP-0-20-001 a Stormwater Pollution Prevention Plan (SWPPP) must be prepared in accordance with all applicable requirements of GP-0-20-001 and a completed Notice of Intent (NOI) form must be submitted to the Department.

Historic, Architectural, Archeological, and Cultural Resources

GIS review indicates that the project site is located within an archaeologically sensitive area. It is suggested that recommendations be sought from NYS OPRHP regarding the potential impacts on historic and archeological resources from the development of this area. Additional information can be found on NYS OPRHP's website at <http://nysparks.com/shpo/online-tools/> or by calling (518) 237-8643. Potential impacts to these resources must be considered in the State Environmental Quality Review (SEQR) documentation. For example, previous disturbance should be described to indicate whether future project components will have the potential to further affect archeological resources.

Invasive Species Recommendations

To minimize the spread of invasive species during construction, consider the following best management practices (BMPs):

- Clean all construction equipment of mud, seeds, vegetation, and other debris as you move from one area to another.
- Excavate topsoil separately from subsoil for appropriate backfilling.
- Return all ground disturbance to pre-construction conditions and stabilize disturbed areas with seeding and mulch as soon as possible.

Stream Protection Recommendation Notes

A portion of a stream is located on the subject property. Streambanks, sometimes called riparian zones or stream corridors, are the link between land and water, and the health of streams depends in large part on the condition of the streambank. Over the past two decades, research has shown that naturally vegetated corridors along streams perform numerous services essential for human health and welfare. Healthy stream corridors can reduce floods; trap sediment; remove dissolved contaminants; provide shade; contribute leaf matter (important for insect food and fish habitat); provide wildlife habitat; offer recreational opportunities; and increase aesthetic value and desirability of a property.

In order to protect the stream corridor, consider the following:

- Maintain a healthy, vegetated streambank buffer by preserving trees and shrubs along the stream edge and limiting logging to removing large branches that fall into the stream and divert streamflow and cause erosion.

- Control water flow through the streamside buffer to filter contaminants and reduce erosion by managing stormwater runoff from dwellings to prevent channelized flow; minimizing impervious areas near the streamside by using stone or brick instead of pavement for driveways and walkways; and excluding vehicles, livestock, or excessive pedestrian traffic.
- Prevent contaminants from entering the stream corridor by minimizing or eliminating buffer area exposure to fertilizer, herbicides, pesticide, animal waste, household and automotive chemicals, trash, debris, and piles of leaf litter and by maintaining septic systems.

Please be advised that the project is still subject to any other necessary local approvals. In the case that the project scope or location changes, please contact us so that we may reevaluate this determination. State regulations applicable to the location subject to this determination are occasionally revised and you should verify the need for permits if the project is delayed or postponed. This determination regarding the need for permits will remain effective for one year unless you are otherwise notified.

If you have any questions, feel free to contact me at 585-226-5399 or by email at danielle.meyers@dec.ny.gov.

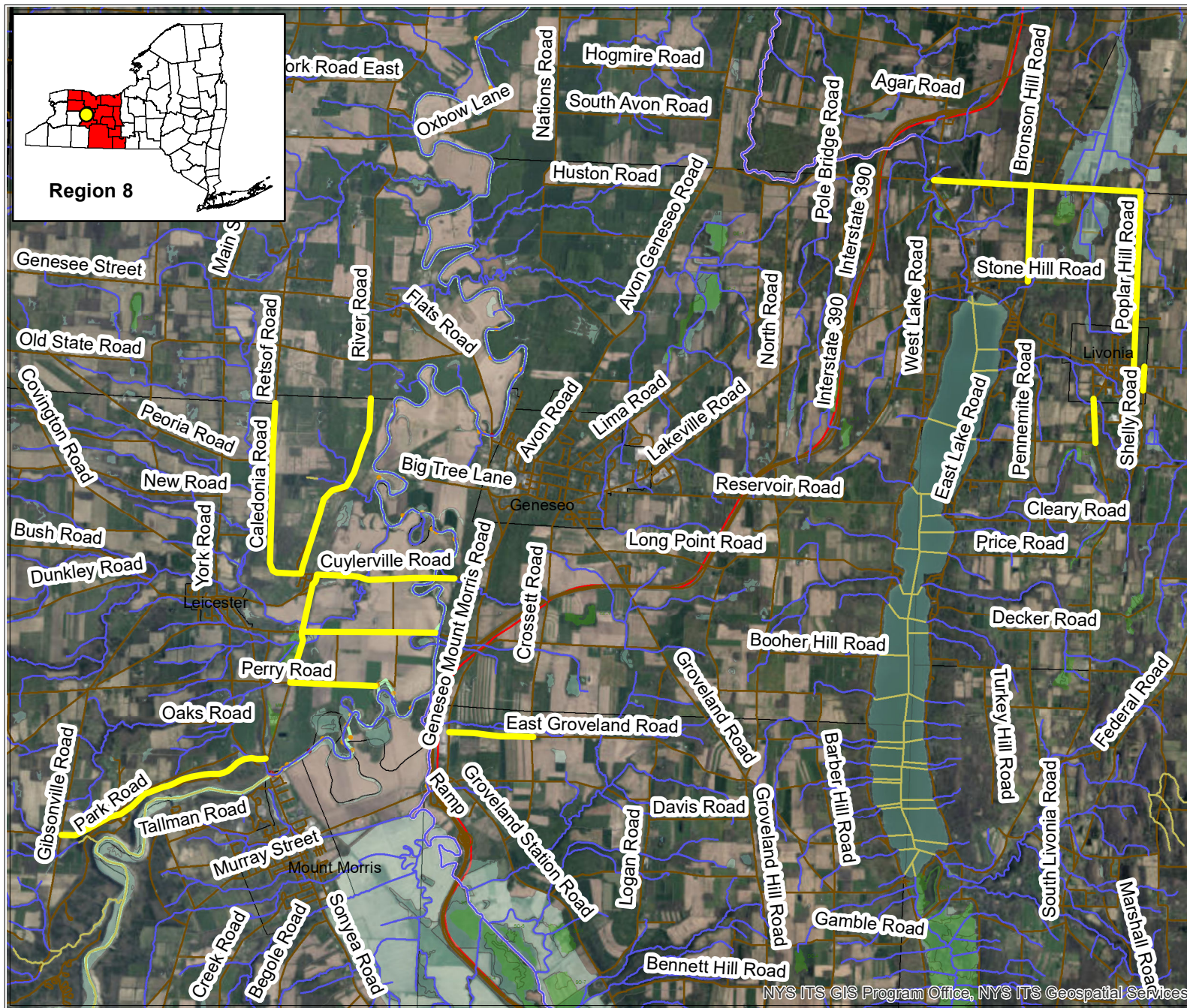
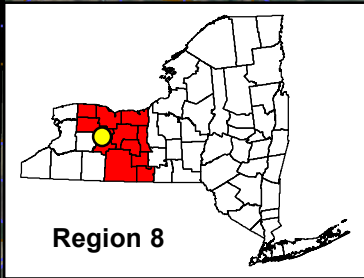
Thank you,



Danielle Meyers
Environmental Analyst

Ecc.

Attachments: Area Map



PROJECT LOCATION MAP

LivingstonCo Water Authority
Various streets
Livonia, Avon, Mt. Morris,
Groveland, and Lima

Legend

- LCWA
- Water Quality Classifications**
 - Unprotected
 - Protected
- Wetlands Inventory**
 - Wetlands Regulated by USACE

0 7,000 14,000 28,000 42,000 Feet

1 inch = 9,991 feet

Date: 10/27/2025

Disclaimer: This map was prepared by the NYSDEC Division of Environmental Permits using the most current data available. It is deemed accurate but is not guaranteed. NYSDEC is not responsible for any inaccuracies in the data and does not necessarily endorse any interpretations or products derived from the data.



Department of
Environmental
Conservation

NYS ITS GIS Program Office, NYS ITS Geospatial Services