

GENERAL NOTES

1.

UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE ONLY IN LOCATION. THE CONTRACTOR SHALL CONTACT THE UTILITIES AND OBTAIN A DIG SAFE NEW YORK STAKE OUT (1-800-962-7962) PRIOR TO COMMENCING CONSTRUCTION. DAMAGE TO UTILITIES RESULTING FROM NEGLIGENCE OR FAILURE ON THE PART OF THE CONTRACTOR TO MAKE ACCURATE LOCATION IS THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR MAY NEED TO CONTACT PRIVATE UTILITY LOCATIONS SERVICE TO LOCATE ALL PROCESS LINES ONSITE. ALL WORK SHALL BE IN ACCORDANCE WITH THE CONTRACTORS APPROVED VA DIG PERMIT.
2.

EXISTING UTILITIES SHOWN OR NOT SHOWN, INCLUDING BUT NOT LIMITED TO WATER, UNDERGROUND ELECTRICAL, TELEPHONE AND GAS SERVICES SHALL BE LOCATED AND PROTECTED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING OR REPAIRING ANY DAMAGED UTILITY TO THE SATISFACTION OF THE ENGINEER AND OWNER AT THEIR OWN EXPENSE.
3.

CONTRACTOR SHALL PROTECT ALL EXISTING STORM WATER DRAINAGE FACILITIES TO REMAIN, INCLUDING PIPES, DRAINAGE STRUCTURES, SWALES, DITCHES, ETC. CONTRACTOR SHALL REPLACE AND RESTORE ANY OF THESE FACILITIES, AT THEIR OWN EXPENSE, AFFECTED BY CONSTRUCTION ACTIVITIES.
4.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY SURVEY OR RIGHT-OF-WAY MONUMENTS DISTURBED DURING CONSTRUCTION. THE CONTRACTOR SHALL EMPLOY A LICENSED LAND SURVEYOR TO RESTORE ALL DISTURBED MONUMENTS TO THEIR ORIGINAL LOCATION.
5.

RESTORE ALL SURFACES TO AS GOOD OR BETTER CONDITION THAN BEFORE CONSTRUCTION AS SOON AS POSSIBLE FOLLOWING COMPLETION OF WORK IN ANY AREA.
6.

THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH SITE CONDITIONS AND SHALL INCLUDE PROVISIONS TO AVOID CONFLICTS WITH AND/OR RESTORE SITE FEATURES TO AS GOOD OR BETTER CONDITION. NO SEPARATE OR ADDITIONAL PAYMENT WILL BE MADE FOR WORK REQUIRED TO AVOID CONFLICTS WITH EXISTING SURFACE FEATURES OR RESTORE THOSE WHICH ARE NOT SHOWN.
7.

LIMITS OF CLEARING SHALL BE CONFINED TO WWTP PROPERTY UNLESS OTHERWISE SHOWN.
8.

PROVIDE 5'-0" FEET MINIMUM COVER OVER TOP OF FORCE MAINS UNLESS OTHERWISE NOTED ON THE PLANS.
9.

UNLESS OTHERWISE NOTED ON THE PLANS, ALL EXISTING FEATURES WHICH ARE DISTURBED OR DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION, (INCLUDING BUT NOT LIMITED TO CULVERT PIPES, SWALES, TREES, SHRUBS, BUSHES, PLANTERS, SIGNS, ASPHALT DRIVES, CONCRETE DRIVES, GRAVEL DRIVES, FENCES AND WALKWAYS), SHALL BE RESTORED AND/OR REPLACED IN KIND, SIZE, MATERIAL AND TYPE AS APPLICABLE, BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL SAWCUT ASPHALT AND CONCRETE PAVEMENT WHERE CROSSED.
10.

THE CONTRACTOR SHALL COORDINATE THE TEMPORARY SUPPORT AND/OR RELOCATION OF UTILITY POLES, WHERE NECESSARY, WITH THE RESPECTIVE UTILITY. SUCH COORDINATION AND SUPPORT SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
11.

ALL PIPE TRENCHES BENEATH ROADWAYS, DRIVEWAYS AND OTHER AREAS OF VEHICULAR LOAD SHALL BE BACKFILLED WITH SPECIAL BACKFILL AT SPECIFIED DEPTHS.
12.

CONTRACTOR SHALL RESTRICT LOCATIONS OF ON-SITE FIELD OFFICE TRAILERS AND MATERIALS AND EQUIPMENT STOCKPILES TO THE AREA DESIGNATED ON THE PLANS OR AS AGREED TO BY OWNER AND ENGINEER. CONTRACTOR SHALL MAINTAIN ACCESS TO THE PLANT FOR OWNER PERSONNEL AND MATERIAL DELIVERIES BY OWNER SUPPLIERS AT ALL TIMES. SEE DRAWING G1002.
13.

FOR CLARITY, EXISTING FACILITIES AND PIPING GENERALLY SHOWN LIGHT. NEW FACILITIES AND PIPING GENERALLY SHOWN HEAVY.
14.

THE CONTRACTORS SHALL COORDINATE EXISTING EQUIPMENT REMOVALS TO ENSURE THAT ALL ELECTRICAL EQUIPMENT IS ELECTRICALLY DISCONNECTED PRIOR TO DEMOLITION.
15.

ALL BURIED PIPING ENTERING/LEAVING A STRUCTURE SHALL HAVE A JOINT WITHIN FOUR FEET OF THE STRUCTURE'S WALL.
16.

THE CONTRACTOR SHALL CONSTRUCT THE IMPROVEMENTS IN SUCH A MANNER THAT WASTEWATER TREATMENT PLANT FUNCTION IS MAINTAINED AT ALL TIMES. CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY FACILITIES AS NECESSARY TO MAINTAIN FULL PLANT FUNCTION, AND SHALL OBTAIN THE APPROVAL OF THE OWNER FOR THE SAME. PLANT PROCESS SHUT-DOWNS FOR NEW PIPING CUT-INS SHALL BE PERFORMED ONLY WITH A MINIMUM 5 DAYS NOTICE. MAXIMUM SHUT-DOWN SHALL BE 4 HOURS. NO MORE THAN 1 SHUT DOWN SHALL BE PERMITTED PER CALENDAR WEEK (SUNDAY - SATURDAY). CONTRACTOR(S) MAY NEED TO TEMPORARILY RELOCATE EXISTING EQUIPMENT TO MAINTAIN OPERATION OF WWTP. CONTRACTOR SHALL OPERATE THE PLANT SHUT DOWN IN COORDINATION WITH THE OWNER.
17.

BURIED BENDS ARE NOT GENERALLY CALLED OUT ON THE DRAWINGS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL REQUIRED FITTINGS TO CONSTRUCT THE BURIED FORCE MAIN PIPING AS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH APPLICABLE STANDARDS.
18.

EXISTING ELEVATIONS AND DIMENSIONS SHOWN ARE FROM AN EXISTING FIELD SURVEY. ELEVATIONS ON THE RECORD DRAWINGS ARE ASSUMED TO BE ON AN OUTDATED DATUM. ALL ELEVATIONS AND DIMENSIONS ARE CONSIDERED APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO STARTING CONSTRUCTION (INCLUDING REMOVALS).
19.

THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING PIPING ELEVATIONS, LOCATIONS, SIZES AND MATERIALS WITH NEW INSTALLATIONS. DIFFERENCES NOT SHOWN ON THE CONTRACT DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO REMOVAL.
20.

ALL EXISTING PIPING, ELECTRICAL CONDUITS, PULL BOXES, SUPPORTS AND ACCESSORIES MAY NOT BE SHOWN ON THE CONTRACT DRAWINGS. CONTRACTOR SHALL FIELD VERIFY.
21.

INSTALLATION OF NEW EQUIPMENT AND PIPING MAY REQUIRE ADDITIONAL MODIFICATIONS NOT SPECIFICALLY SHOWN. CONTRACTOR SHALL FIELD VERIFY THE REMOVALS AND INSTALLATIONS TO ACCOUNT FOR ANY NECESSARY WORK NOT SHOWN. ALL WORK NECESSARY FOR THE INSTALLATION OF THE EQUIPMENT AND SYSTEMS SHOWN AND/OR SPECIFIED SHALL BE INCLUDED IN THE APPLICABLE BID PRICE. INCIDENTAL ADDITIONAL WORK NOT SHOWN ON THE DRAWINGS BUT NECESSARY FOR COMPLETE OPERATION SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
22.

REMOVALS WHERE SHOWN SHALL CONSIST OF ALL EQUIPMENT, EQUIPMENT BASES, PADS, ELECTRICAL PANELS, WIRING, CONDUITS, PIPING AND APPURTENANCES. AFTER THE REMOVAL OF ANY EQUIPMENT BASES, THE SURFACE SHALL BE CLEANED AND GROUTED WITH NON-SHRINK GROUT TO A SMOOTH FINISH AS APPLICABLE.
23.

ALL NECESSARY PIPE AND EQUIPMENT SUPPORTS SHALL BE PROVIDED, WHETHER SHOWN OR NOT ON THE CONTRACT DRAWINGS.
24.

ALL NEW VALVES SHALL BE INSTALLED IN EXIST. PIPING WITH FLANGE ADAPTERS, SPOOL PIECES AND/OR SPACERS AS NECESSARY AND AS APPROVED BY ENGINEER/OWNER.
25.

GENERAL/MECHANICAL CONTRACTOR SHALL SUBMIT TO ENGINEER AN EXCAVATION AND DEWATERING PLAN FOR REVIEW PRIOR TO EXCAVATING FOR FOUNDATIONS OF PROPOSED STRUCTURES.
26.

THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE ENGINEER AND OWNER.
27.

THE CONTRACTOR(S) SHALL PERFORM EXPLORATORY EXCAVATIONS WHERE PROPOSED PIPING CROSSES EXISTING UTILITIES AND WHERE PROPOSED PIPING CONNECTS TO EXISTING PIPING IN ACCORDANCE WITH THE SPECIFICATIONS. NO ADDITIONAL PAYMENT SHALL BE MADE FOR EXPLORATORY EXCAVATION.
28.

THE GENERAL CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS NEEDED, NO SEPARATE PAYMENT FOR DUST CONTROL SHALL BE MADE.
29.

CONTRACTOR OWNED EQUIPMENT TO BE STORED ON SITE SHALL BE LOCATED IN OWNER DESIGNATED EQUIPMENT STORAGE AREAS.
30.

GENERAL/MECHANICAL CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL SNOW AND ICE AS NEEDED AT NO ADDITIONAL COST. CONTRACTOR'S OPERATIONS SHALL NOT INTERFERE WITH THE OWNER'S ABILITY TO REMOVE SNOW AND PROVIDE ICE CONTROL.
31.

THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION AS REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PERFORM THE WORK SUCH THAT TREATMENT AND CONVEYANCE OF WASTEWATER IS MAINTAINED AT ALL TIMES THROUGHOUT CONSTRUCTION.
32.

THE CONTRACTOR MAY UTILIZE AVAILABLE NON-POTABLE PLANT WATER (EFFLUENT) FOR HYDROSTATIC AND HYDRAULIC TESTING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ANY DISINFECTION, PUMPING EQUIPMENT AND THEN DISCHARGE IN ACCORDANCE WITH ENVIRONMENTAL PERMITS.
33.

ALL ABOVE GROUND PIPING SHALL BE PAINTED IN ACCORDANCE WITH THE "RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES", 2014 EDITION AS PUBLISHED BY GREAT LAKES - UPPER MISSISSIPPI RIVER BOARD OF STATE AND PROVINCIAL PUBLISH HEALTH AND ENVIRONMENTAL MANAGERS.
34.

UNLESS OTHERWISE INDICATED, ALL PIPING SHALL BE DUCTILE IRON, CLASS 52 WITH MECHANICAL JOINT FITTINGS IF BURIED AND WITH FLANGED FITTINGS IF LOCATED WITHIN A BUILDING.
35.

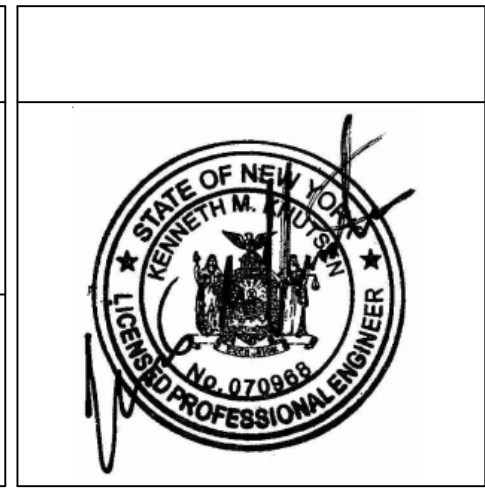
ALL NEW AND EXISTING PIPELINES AND UNDERGROUND UTILITIES EXPOSED IN OPEN EXCAVATIONS SHALL BE PROTECTED FROM WEATHER AND FREEZING TEMPERATURES.
36.

THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN TEMPORARY CONSTRUCTION FENCING AROUND ALL OPEN EXCAVATIONS FOR THE DURATION OF THE EXCAVATION WORK. TEMPORARY FENCING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF OSHA STANDARDS.

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Revisions:	Date

ARCHITECT / STRUCTURAL:	CIVIL:



PROJECT PRIME/ENGINEER:

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Drawing Title
GENERAL NOTES , ABBREVIATIONS AND LEGEND
Approved: Project Director

Project Title
Renovate Sewage Treatment Plant Trickling Filter
VA Hudson Valley Healthcare System at Castle Point, New York
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Date
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Checked
KK
Drawn
LJC

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