GENERAL NOTES

1. SURVEY INFORMATION SHOWN (AS INDICATED ON PLANS) IS BASED ON TOPOGRAPHIC AND UTILITY SURVEY PERFORMED ON SEPTEMBER 28, 2012 AND JANUARY 2015 BY CONTRACTORS Lines AND GRADE, INC. EL. INVITIONS SHOWN ARE REFERRED TO U.S. DONATIAL & GEODETIC (NAVD-88) DATUM. ALL VALUES SHOWN ARE IN ENGLISH UNITS. EXISTING UNDERGROUND UTILITIES, AS SHOWN ON THIS DRAWING, HAVE BEEN DETERMINED BY STANDARD SURVEY METHODS AND AVAILABLE UTILITY RECORDS. NEITHER THE EXACT LOCATION NOR THE INFORMATION GIVEN FOR THESE EXISTING UTILITIES IS GUARANTEED TO BE COMPLETE OR CORRECT.
2. SURVEY INFORMATION SHOWN (AS NOTED ON PLANS) IS BASED ON AERIAL PHOTOGRAPHY DATED NOVEMBER 18, 2013 AND SUPPLEMENTAL FIELD WORK LAST REVISED SEPTEMBER 3, 2014 BY INSITE ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C. ELEVATIONS SHOWN ARE REFERRED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88) DATUM. ALL VALUES SHOWN ARE IN ENGLISH UNITS. EXISTING UNDERGROUND UTILITIES, AS SHOWN ON THIS DRAWING, HAVE BEEN DETERMINED BY STANDARD SURVEY METHODS AND AVAILABLE UTILITY RECORDS. NEITHER THE EXACT LOCATION NOR THE INFORMATION GIVEN FOR THESE EXISTING UTILITIES IS GUARANTEED TO BE COMPLETE OR CORRECT.
3. IF THERE ARE ANY DISCREPANCIES BETWEEN THE CONTRACT PLANS AND THE PROJECT SPECIFICATIONS, THE CONTRACTOR IS RESPONSIBLE TO GAIN CLARIFICATION FROM THE PROJECT ENGINEER PRIOR TO PROCEEDING WITH PROWO OR PROCEEDING WITH THE WORK.
4. THE EXISTING UTILITIES SHOWN ON THE SURVEY WERE TAKEN FROM THE BEST AVAILABLE INFORMATION AND ARE NOT GUARANTEED TO BE ACCURATE. FIELD CONDITIONS MAY VARY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE LOCAL UTILITY COMPANIES THAT HAVE SUBSURFACE INSTALLATIONS IN THE AREA OF WORK FOR THIS CONTRACT AND DIRECT THEM TO HAVE THEIR FACILITIES MARKED OUT PRIOR TO COMMENCING WORK. FIELD VERIFICATION OF UTILITIES SUCH AS TEST PITS MAY BE NEEDED (AT CONTRACTOR'S EXPENSE) PRIOR TO COMMENCING WORK. ALL UTILITY COMPANIES MUST BE NOTIFIED AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION TO COMPLY WITH RULE 53 OF INDUSTRIAL CODE OF THE STATE OF NEW YORK, DEPARTMENT OF LABOR FOR "CONSTRUCTION, EXCAVATION AND DEMOLITION OPERATIONS AT OR NEAR UNDERGROUND FACILITIES".
5. CONTRACTOR TO FIELD-VERIFY ALL REMOVAL QUANTITIES.
6. CONTRACTOR SHALL PROVIDE EROSION CONTROL IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
7. ALL DEMOLITION, GRADING, AND TREE REMOVAL PROCEDURES, PERMITS AND APPROVALS SHALL BE IN ACCORDANCE WITH NYSDEC AND/OR OTHER APPROPRIATE AUTHORIZING AGENCIES AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.
8. CLEARING OF TREES SHALL BE PERFORMED BETWEEN OCTOBER 1 AND COMPLETED BY MARCH 31 DUE TO THE PRESENCE OF PROTECTED BAT SPECIES.
9. THE CONTRACTOR SHALL PRESERVE ALL NATURAL SITE FEATURES, AS LITTLE VEGETATIVE COVER SHALL BE REMOVED AS NECESSARY. ANY DISTURBED AREAS SHALL BE IMMEDIATELY STABILIZED PER EROSION AND SEDIMENT CONTROL PLANS.
10. IN PERFORMING THE SHEETING OF A TRENCH FOR EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF THE NEW YORK STATE LABOR LAW AND PARTICULARLY WITH RULE NUMBER 23 (AS AMENDED) OF THE INDUSTRIAL CODE (AS ORIGINALLY ADOPTED BY THE BOARD OF STANDARDS AND APPEALS, LISTED IN FEDERAL REGISTER / VOLUME 44, NUMBER 209 / TUESDAY, OCTOBER 31, 1989, (DOCKET NUMBER S-204) RIN 1218 AA 05, WHERE THE SPACING OF STRUTS AND CROSS BRACING SPECIFIED IN RULE NUMBER 23 ARE SUCH THAT THE CONTRACTOR CAN NOT ADEQUATELY AND IN A PRACTICAL MANNER CARRY ON HIS OPERATIONS, HE SHALL SUBMIT TO THE PROFESSIONAL ENGINEER FOR APPROVAL ALTERNATE DESIGNS FOR SHEETING OR SHORING WITH ALL BRACINGS AS MAY BE NECESSARY TO COMPLY WITH THE INTENT OF RULE NUMBER 23.
11. WHEN ORDERED BY THE ENGINEER, THE TRENCH SHALL BE EXCAVATED TO ITS FULL DEPTH FOR AT LEAST 50-FEET IN ADVANCE OF THE UTILITY CONSTRUCTION. UNSUITABLE SOIL IS ENCOUNTERED AT THE SUB-GRADE LESS THAN FIVE FEET THICK, IF ENCOUNTERED AT THE SUB-GRADE SHALL BE REMOVED TO AN ACCEPTABLE STRATUM AND REPLACED WITH BROKEN STONE AS DIRECTED BY THE ENGINEER. IN SUCH CASE, THE SHEETING PLACED SHALL BE LEFT IN PLACE BELOW THE SPRING LINE OF THE PIPE.
12. PRIOR TO RECEIVING FINAL SIGN-OFF FROM MUNICIPALITIES, AN "AS-BUILT" PLAN SHOWING THE INSTALLED AND COMPLETED IMPROVEMENTS (ABOVE AND BELOW GRADE), CERTIFIED BY A NEW YORK STATE LICENSED LAND SURVEYOR SHALL BE PREPARED AT THE SOLE EXPENSE OF THE CONTRACTOR. LAND SURVEY PLAN SHALL BE PROVIDED TO THE MUNICIPALITIES AND PROJECT ENGINEER DOCUMENTING SATISFACTORY COMPLETION OF ALL APPROVED AND AUTHORIZED CONSTRUCTION ACTIVITIES AND ZONING COMPLIANCE.
13. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DAMAGES CAUSED BY HIS OPERATIONS. ALL DAMAGES SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITHOUT COST TO THE CLIENT AND TO THE SATISFACTION OF THE PROJECT ENGINEER.
14. THE CONTRACTOR SHALL EXAMINE AND FIELD VERIFY ALL EXISTING AND GIVEN DIMENSIONS AND CONDITIONS WITH THOSE SHOWN ON THE PLANS. IN CASE OF ANY DISCREPANCY, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER.
15. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION PERMITS AND APPROVALS PRIOR TO COMMENCING WORK.
16. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR, EQUIPMENT, AND MATERIALS AS REQUIRED FOR THE IMPROVEMENT WORK SHOWN WITHIN THE PROJECT AREA.
17. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION METHODS AND MEANS FOR COMPLETION OF THE WORK DEPICTED ON THESE PLANS, NOR FOR ANY CONFLICTS AND/OR INVERSIONS WHICH RESULT FROM THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING METHODS AND MEANS OF COMPLETION OF THE WORK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND NOTIFY THE PROJECT ENGINEER WHEN A CONFLICT IS IDENTIFIED.
18. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ENSURE THE SAFETY OF HIS EMPLOYEES AND GENERAL PUBLIC, STRUCTURALISITE FEATURES TO REMAIN ADJACENT PROPERTIES & PUBLIC RIGHT-OF-WAYS DURING ALL CONSTRUCTION AND REMOVAL ACTIVITIES IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL CODES AND REGULATIONS. THE OWNER AND PROJECT ENGINEER ASSUME NO RESPONSIBILITIES FOR THE CONTRACTOR'S SAFETY PROGRAM AND PROCEDURES IN CONNECTION WITH THE WORK.
19. THE CONTRACTOR SHALL PERFORM WORK IN SUCH A MANNER TO ENSURE MINIMUM INTERFERENCE WITH CURRENT SITE ACTIVITIES, INGRESS AND EGRESS LOCATIONS, WALKWAYS, AND ADJACENT PROPERTIES.
20. THE CONTRACTOR IS ADVISED THAT ADDITIONAL NOTES SHALL BE FOUND ON SUBSEQUENT SHEETS OF THE CONTRACT PLANS AND SUCH NOTES WHILE PERTAINING TO THE SPECIFIC DRAWINGS THEY ARE PLACED ON, ALSO SUPPLEMENT THE GENERAL NOTES LISTED HEREIN.
21. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH PROPER UTILITY COMPANY OR AGENCY FOR DISCONNECTING SERVICES, RELOCATING SERVICES, AND PROVIDING NEW SERVICES WITHIN THE PROJECT AREA.
22. WHERE CONSTRUCTION, INCLUDING UTILITY LINES, CROSSES OR IS ADJACENT TO EXISTING UTILITY LINES (FUEL, WATER, SEWER, TELECOMMUNICATION, GAS OR ELECTRIC), CONTRACTOR SHALL DIG TEST PITS AND CAREFULLY HAND EXCAVATE SO AS TO LOCATE, MARK, AND PROTECT THE UTILITY LINES AGAINST DISTURBANCE OR DAMAGE.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTIONS AND OFF ALIGNMENTS ACCORDING TO CODES AND STANDARDS OF GOOD PRACTICE. SHEETING AND EXCAVATION TRENCH SUPPORT SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR.
24. IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE CAUSING AN INTERRUPTION IN OR DAMAGED TO SAID SERVICE, THE CONTRACTOR SHALL IMMEDIATELY ARRANGE FOR SERVICE TO BE RESTORED AT THE CONTRACTOR'S EXPENSE AND MAY NOT CONTINUE HIS WORK OPERATION UNTIL SERVICE IS RESTORED, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER.
25. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT STORM DRAIN INLETS (WITHIN THE PROJECT AREA) FROM FILLING WITH DEBRIS DURING THE SITEWORK OPERATIONS. IN THE EVENT THE CONTRACTOR'S OPERATION DAMAGES OR BLOCKS THE DRAINAGE SYSTEM, THE CONTRACTOR SHALL AT HIS/HER EXPENSE IMMEDIATELY REPAIR OR RESTORE THE DRAINAGE SYSTEM AS DIRECTED BY THE PROJECT ENGINEER.
26. THE TOP ELEVATION OF ALL EXISTING SURFACE UTILITY FEATURES (I.E. HANDHOLES, MANHOLES, CATCH BASINS, VALVE BOXES, AND FILL CAPS COVERS) LOCATED WITHIN THE CONSTRUCTION AREA (AND WHICH ARE TO REMAIN) SHALL BE RESET AND BE MADE FLUSH WITH THE PROPOSED GRADE.
27. ALL FINISH GRADING SHALL BE DONE SO AS TO ENSURE POSITIVE DRAINAGE TOWARD THE APPROPRIATE STORM DRAIN INLETS.
28. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL PRODUCTS (I.E. PIPES, STRUCTURES, ETC.) INCLUDING MATERIAL SPECIFICATIONS FOR FILL MATERIAL AND PAVEMENT SECTION. ALL SITE-RELATED SHOP DRAWINGS SUBMITTED TO THE PROJECT ENGINEER SHALL BEAR THE APPROVAL STAMP OF THE GENERAL CONTRACTOR.
29. WHERE MANUFACTURER'S NAMES AND PRODUCT NUMBERS ARE INDICATED ON DRAWINGS, IT SHALL BE CONSTRUED TO MEAN THE ESTABLISHMENT OF QUALITY AND PERFORMANCE STANDARDS OF SUCH ITEMS. ALL OTHER PRODUCTS MUST BE SUBMITTED TO THE PROJECT ENGINEER FOR APPROVAL BEFORE THEY SHALL BE DEEMED EQUAL.
30. UNSUITABLE MATERIAL, CONSTRUCTION DEBRIS, ETC. SHALL BE PROPERLY REMOVED AND DISPOSED OF OFF-SITE IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL CODES, ORDINANCES, AND LAWS.
31. WHERE EXISTING CONCRETE PAVEMENT OR ASPHALT CONCRETE PAVEMENT ARE REMOVED, THE CONTRACTOR SHALL SAWCUT AND NEATLY TRIM EDGE OF REMAINING PAVEMENT BEFORE INSTALLING NEW CONSTRUCTION.
32. ALL REGULATORY AND WARNING TRAFFIC SIGNS SHALL CONFORM WITH THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
33. CONTRACTOR IS RESPONSIBLE TO CONTACT ALL APPLICABLE UTILITY FIRMS TO COORDINATE SERVICE CONNECTION TYPE AND LOCATION.
34. ENGINEER OF RECORD NOT RESPONSIBLE FOR SITE SAFETY OR JOB SITE SUPERVISION.
35. SEQUENCE AND COORDINATION OF CONSTRUCTION IS SOLELY THE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR SHOULD CONSULT THE RECOMMENDED SEQUENCE OF CONSTRUCTION INCLUDED IN THE PROJECT SWPPP AND CONSTRUCTION DOCUMENTS.
36. THE CONTRACTOR SHALL UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, SECURE AND PAY FOR REQUIRED INSPECTIONS, PERMIT(S), FEES, LICENSES AND INSPECTIONS NECESSARY FOR THE PROPER EXECUTION OF THE WORK.
37. CONTRACTOR TO REFER TO GEOTECHNICAL REPORT PREPARED BY ARRP FOR SUBSURFACE SOIL CONDITIONS.
38. UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH @ 28 DAYS OF 4,000 PSI.
39. THE COVERED STORAGE, STORAGE BINS, FUEL PAD, DUMPSTER PAD, WASH PAD, AND CHEMICAL STORAGE FOUNDATIONS SHALL BE DESIGNED BY OTHERS.
40. THE APPROVED FLOODPLAIN PERMIT WILL BE OBTAINED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
41. A WRITTEN ACCEPTANCE FROM THE MASTER DEVELOPER SHALL BE PROVIDED TO THE TOWN PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR TO INSTALL TEMPORARY SITE CONSTRUCTION FENCE AROUND PERIMETER OF WORK AREA PRIOR TO START OF CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE TO EVALUATE AND IMPLEMENT ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS REQUIRED, BEYOND THE PRACTICES SHOWN ON PLANS, TO MEET THE OBJECTIVES OF THE STATE AND LOCAL STORMWATER REGULATIONS AND/OR CODE.
3. THE CONTRACTOR IS RESPONSIBLE TO INSTALL EROSION AND SEDIMENT CONTROL PRACTICES PRIOR TO ANY SOIL DISTURBANCE AND TO MAINTAIN THEM UNTIL PERMANENT PROTECTION IS ESTABLISHED. EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSTALLED IN ACCORDANCE WITH THE CURRENT EDITION OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
4. THE CONTRACTOR SHALL EMPLOY A "TRAINED CONTRACTOR" WHO SHALL BE RESPONSIBLE FOR DAY TO DAY IMPLEMENTATION OF THE SWPPP. THE "TRAINED CONTRACTOR" SHALL BE AN EMPLOYEE FROM THE CONTRACTING (CONSTRUCTION) COMPANY, THAT HAS RECEIVED FOUR (4) HOURS OF DEPARTMENT (NYSDEC) ENDORSED TRAINING IN PROPER EROSION AND SEDIMENT CONTROL PRINCIPLES FROM A SOIL AND WATER CONSERVATION DISTRICT, OR OTHER DEPARTMENT ENDORSED ENTITY. AFTER RECEIVING THE INITIAL TRAINING, THE TRAINED CONTRACTOR SHALL RECEIVE FOUR (4) HOURS OF TRAINING EVERY (3) YEARS.

   THE TRAINED CONTRACTOR CAN ALSO BE AN EMPLOYEE FROM THE CONTRACTING (CONSTRUCTION) COMPANY, THAT MEETS THE QUALIFIED INSPECTOR QUALIFICATIONS (E.G. LICENSED PROFESSIONAL ENGINEER, CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), REGISTERED LANDSCAPE ARCHITECT, OR SOMEONE WORKING UNDER THE DIRECT SUPERVISION OF, AND AT THE SAME COMPANY AS, THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED LANDSCAPE ARCHITECT, PROVIDED THEY HAVE RECEIVED FOUR (4) HOURS OF DEPARTMENT ENDORSED TRAINING IN PROPER EROSION AND SEDIMENT CONTROL PRINCIPLES FROM A SOIL AND WATER CONSERVATION DISTRICT, OR OTHER DEPARTMENT ENDORSED ENTITY).
5. THE "TRAINED CONTRACTOR" SHALL INSPECT THE EROSION CONTROL AND SEDIMENT CONTROL PRACTICES AND POLLUTION PREVENTION MEASURES BEING IMPLEMENTED WITHIN THE ACTIVE WORK AREA DAILY TO ENSURE THAT THEY ARE BEING MAINTAINED IN EFFECTIVE OPERATION CONDITION AT ALL TIMES. IF DEFICIENCIES ARE IDENTIFIED, THE CONTRACTOR SHALL BEGIN IMPLEMENTING CORRECTIVE ACTIONS WITHIN ONE BUSINESS DAY AND SHALL COMPLETE THE CORRECTIVE ACTIONS IN A REASONABLE TIME FRAME.
6. IN AREAS WHERE SOIL DISTURBANCE ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED, THE APPLICATION OF SOIL STABILIZATION MEASURES MUST BE INITIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN SEVEN (7) DAYS FROM THE DATE THE CURRENT SOIL DISTURBANCE ACTIVITY CEASED (FOURTEEN (14) DAYS WHEN OVERALL SITE SOIL DISTURBANCE IS UNDER 5-ACRES). THE SOIL STABILIZATION MEASURES SELECTED SHALL BE IN CONFORMANCE WITH THE TECHNICAL STANDARD, NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, DATED AUGUST 2005.
7. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION, INSPECTION, AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS AND AS DIRECTED BY THE PROJECT ENGINEER.
8. SITE EXCAVATION: ALL EXCAVATED SOIL SHALL BE STOCKPILED IN CONFORMANCE WITH THE EROSION AND SEDIMENT CONTROL DETAILS. ALL NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONVERSATION (NYSDEC) AND UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) REGULATIONS FOR REMOVAL OF CONTROLLED FILL SHALL BE ADHERED TO.
9. THE CONTRACTOR IS RESPONSIBLE TO KEEP RIGHTS-OF-WAY ALONG SITE BOUNDARIES CLEAR OF SOIL AND DEBRIS AND IS RESPONSIBLE FOR ANY STREET CLEANING NECESSARY DURING THE COURSE OF THE PROJECT.
10. ALL SLOPES 3H:1V AND STEEPER SHALL BE TEMPORARILY STABILIZED WITH ROLLED EROSION CONTROL PRODUCT (RECP).
11. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL THROUGHOUT CONSTRUCTION PERIODS AND UNTIL SITE IS PERMANENTLY STABILIZED. THE SITE SHALL BE WATERED DOWN DURING CONSTRUCTION TO MINIMIZE DUST.
12. THE CONTRACTOR IS RESPONSIBLE TO REMOVE EROSION AND SEDIMENT CONTROL MEASURES AFTER THE DISTURBED AREAS HAVE ACHIEVED FINAL STABILIZATION. FINAL STABILIZATION MEANS THAT ALL SOIL DISTURBANCE ACTIVITIES HAVE CEASED AND A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF EIGHTY (80) PERCENT OVER THE ENTIRE PERVIOUS SURFACE HAS BEEN ESTABLISHED; OR OTHER EQUIVALENT STABILIZATION MEASURES, SUCH AS PERMANENT LANDSCAPE MULCHES, BOOK RIP-RAP OR WASHED CRUSHED STONE HAVE BEEN APPLIED ON ALL DISTURBED AREAS THAT ARE NOT COVERED BY PERMANENT STRUCTURES, CONCRETE, OR PAVEMENT.
13. THE CONTRACTOR TO MODIFY THE LOCATION OF THE STABILIZED CONSTRUCTION ENTRANCE CONSTRUCTION HAUL ROADS, AND CONSTRUCTION LAY DOWN AREAS AS THE PROJECT PROGRESSES AND TO ACCOMMODATE DIFFERENT PHASES OF THE PROJECT.
14. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN ARE SPECIFIC MEASURES THAT MAY REQUIRE ADJUSTMENTS AND/OR MODIFICATIONS THROUGHOUT THE DURATION OF CONSTRUCTION. THESE MODIFICATIONS MAY BE DUE TO SITE CONDITIONS AND/OR CONSTRUCTION SEQUENCE AND ACTIVITY. CONTRACTOR SHALL PROVIDE ROUTINE MAINTENANCE AND INSPECTION OF ALL EROSION AND SEDIMENT CONTROL MEASURES FOR THE DURATION OF CONSTRUCTION.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERMIT/APPROVAL COORDINATION WITH NYSDEC FOR STORMWATER AND/OR GROUNDWATER DEWATERING OPERATIONS (IF NECESSARY).
16. ALL EXISTING TREES AND VEGETATION TO REMAIN SHALL BE PROTECTED BY THE CONTRACTOR. ANY DAMAGED TREES AND/OR VEGETATION SHALL BE REPLACED IN KIND AT THE EXPENSE OF THE CONTRACTOR.
17. AREAS DISTURBED BY CONSTRUCTION SHALL BE TOPSOILED, SEEDED & MULCHED UNLESS OTHERWISE NOTED.
18. PROVIDE INLET PROTECTION FOR DRAINAGE INLETS AFFECTED BY CONSTRUCTION.
19. DUE TO CLAY AND FINE SILTS WHICH ARE PRESENT WITHIN THE WORK AREA, THE CONTRACTOR MAY BE REQUIRED TO OPERATE AND MAINTAIN A CHEMICAL TREATMENT SYSTEM (CTS) TO PREVENT THE DISCHARGE OF TURBID STORM WATER RUNOFF. THE PRIMARY MECHANISM IS TO INTRODUCE CHEMICAL FLOCCULANTS USING AN ACTIVE, PUMPED TREATMENT SYSTEM, TO BIND CLAYS AND SILTS TOGETHER AND ENHANCE SETTLEMENT AND REMOVAL PRIOR TO DISCHARGE. CONTRACTOR SHALL NOTE:

   19.1. THE USE OF A PORTABLE CHEMICAL TREATMENT WAS PRE-APPROVED BY THE NYSDEC AND IS AUTHORIZED UNDER THE SWPPP. NO CHEMICAL TREATMENT IS TO BE USED UNTIL AUTHORIZED BY THE ENGINEER. THE CTS SHALL COMPLY WITH THE NYSDEC APPROVED "WATER TREATMENT CHEMICAL USE APPLICATION."

   19.2. PRIOR TO AUTHORIZATION FOR FIELD USE, TESTING SHALL BE CONDUCTED BY THE CONTRACTOR IN ORDER TO DEMONSTRATE THAT TURBIDITY REDUCTION NECESSARY TO MEET THE RECEIVING WATER QUALITY CRITERIA CAN BE ACHIEVED.

   19.3. CHEMICALLY TREATED STORM WATER SHALL NOT BE DIRECTLY DISCHARGED FROM THE CONSTRUCTION SITE TO A RECEIVING WATERBODY WITHOUT TREATMENT THROUGH A SAND FILTER. CONTRACTOR WILL BE RESPONSIBLE TO MAINTAIN THE SYSTEM THROUGHOUT THE DURATION OF THE PROJECT.
20. A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH REPRESENTATIVES OF THE TOWN, THE CONSTRUCTION MANAGER, AND THE CONTRACTOR PRIOR TO ANY SITE DISTURBANCE. ANY POTENTIAL CHANGES TO THE EROSION AND SEDIMENT CONTROL PLAN SHOULD BE DISCUSSED AT THIS TIME.
21. THE CONTRACTOR SHALL CONTINUOUSLY MONITOR WEATHER FORECASTS AND CONDITIONS DURING CONSTRUCTION. THE CONTRACTOR SHALL ENSURE THAT ADEQUATE PUMPING EQUIPMENT IS AVAILABLE AT ALL TIMES TO COLLECT AND CONVEY ALL RUNOFF FROM DISTURBED AREAS TO THE SEDIMENT BASIN. EXTRA PUMPS AND EQUIPMENT SHALL BE READILY AVAILABLE ON-SITE IN THE EVENT OF ANY PUMPING EQUIPMENT FAILURE OR IF ADDITIONAL PUMPING CAPACITY IS REQUIRED. THE CONTRACTOR SHALL ENSURE ALL RUNOFF COLLECTED IS CONVEYED TO THE SEDIMENT BASIN AT THE END OF EACH DAY. THE CONTRACTOR SHALL ALSO MAKE PROVISIONS TO HAVE ADEQUATE STAFF COVERAGE THROUGHOUT PROJECT CONSTRUCTION (I.E. 24 HOURS A DAY, 7 DAYS A WEEK) TO OPERATE PUMPING SYSTEMS DURING RAIN EVENTS.

SITE DEMOLITION NOTES

1. ALL EXCAVATED SOIL SHALL BE STOCKPILED IN CONFORMANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES AND REGULATIONS.
2. ASBESTOS OR HAZARDOUS MATERIALS, IF FOUND ON SITE, SHALL BE REMOVED BY A LICENSED HAZARDOUS MATERIALS CONTRACTOR IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES AND REGULATIONS.
3. ALL EXISTING TREES AND VEGETATION TO REMAIN SHALL BE PROTECTED BY THE CONTRACTOR. ANY DAMAGED TREES AND/OR VEGETATION SHALL BE REPLACED IN KIND AT THE EXPENSE OF THE CONTRACTOR.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL. ALL WORK ZONE TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICE. (M.U.T.C.D.).

SEWER, WATERMAIN AND DRAINAGE NOTES

1. PRIOR TO STARTING WORK, THE CONTRACTOR WILL SUBMIT IN WRITING THE NAMES OF ALL VENDORS AND MANUFACTURERS HE INTENDS TO USE. THE CONTRACTOR SHALL SUBMIT ONLY ONE (1) VENDOR OR MANUFACTURER FOR EACH PRODUCT THAT IS TO BE INCORPORATED IN THE CONTRACT. THE USE OF MULTIPLE VENDORS OR MANUFACTURERS TO SUPPLY THE SAME PRODUCT WILL BE PROHIBITED.
2. SHEETING AND/OR SHORING SHALL BE INSTALLED FOR ALL TRENCHES WITH A DEPTH OF FIVE (5) FEET OR MORE. DESIGN OF SHEETING AND SHORING SYSTEMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL SOIL DENSITY TESTING, CONSISTING OF BOTH PROCTOR ANALYSIS OF SOIL SAMPLES AND IN-PLACE SOIL DENSITY TESTS, TO BE PERFORMED DURING THE BACKFILLING OF WATER MAIN TRENCHES SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 7.12 OF THE STANDARD HIGHWAY SPECIFICATIONS.
4. ANY DAMAGE TO EXISTING SEWERS, MANHOLES, BASINS AND CONNECTIONS CAUSED BY THE CONTRACTOR'S WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR, AS DIRECTED BY THE PROJECT ENGINEER, AT NO ADDITIONAL COST.

SANITARY SEWERS:

1. EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE EXACT LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
2. SANITARY SEWER MAINS SHALL BE CLEANED AND FLUSHED UPON CONSTRUCTION COMPLETION.
3. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN REGRADING OVER EXISTING NEW UTILITIES INCLUDING, BUT NOT LIMITED TO STORM AND SANITARY SEWERS, WATER MAINS, GAS AND ELECTRIC LINES.
4. SANITARY MANHOLE COVERS ARE TO BEAR THE INSCRIPTION "SANITARY."
5. NO SANITARY SEWER LINE WITHIN THE PROJECT SITE SHALL BE ACTIVATED UNTIL AN EXFILTRATION/INFILTRATION TEST HAS BEEN PERFORMED AND HAS MET REQUIREMENTS AND STANDARDS SET FORTH BY THE TOWN OF THOMPSON MUNICIPAL ENGINEER. ALL SEWER PIPES MUST MEET AN INFILTRATION TEST RATE OF ONE HUNDRED (100) GALLONS PER DAY/MILE/INCH DIAMETER, OR ANY OTHER REQUIREMENT SET FORTH BY THE TOWN MUNICIPAL ENGINEER.
6. EXFILTRATION/INFILTRATION TESTS SHALL BE OBSERVED AND CERTIFIED TO THE TOWN MUNICIPAL ENGINEER AND PROJECT ENGINEER.

WATER LINES

1. ALL WATER DISTRIBUTION WORK (INCLUDING WET TAP CONNECTIONS) SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN OF THOMPSON AND TEN (10) STATES STANDARDS FOR WATER WORKS AS APPLICABLE.
2. WHERE WATER LINE PASSES UNDER SEWER OR SANITARY HAZARDS (I.E. STORM DRAINAGE, FUEL GAS, ETC.), A MINIMUM OF EIGHTEEN (18) INCHES VERTICAL CLEARANCE IS REQUIRED. ALL WORK MUST BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN AND TEN (10) STATE STANDARDS FOR WATER WORKS.
3. WATER MAINS PASSING UNDER HOUSE SEWERS, IN ADDITION, SHALL BE PROTECTED BY PROVIDING VERTICAL SEPARATION OF 18" MINIMUM FROM THE BOTTOM OF THE SEWER TO THE TOP OF THE WATER LINE AND ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF THE JOINTS AND THE SEWER SETTLING AND BREAKING THE WATER LINE. IN ADDITION THE LENGTH OF WATER PIPE SHALL BE CENTERED AT THE POINT OF CROSSING SO THAT THE JOINTS WILL BE EQUIDISTANT OR AS FAR AS POSSIBLE FROM THE SEWER. NO WATER LINE MAY PASS THROUGH OR COME IN CONTACT WITH ANY PART OF THE SEWER OR SEWER MANHOLE.
4. WATER MAINS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED GRAVITY SANITARY OR STORM SEWER, SEPTIC TANK, GREASE TRAP/INTERCEPTOR OR SUBSOIL TREATMENT SYSTEM. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE. IF MINIMUM SEPARATION CAN NOT BE MAINTAINED AT CERTAIN LOCATIONS, CONTRACTOR SHALL NOTIFY THE MUNICIPAL AND PROJECT ENGINEER FOR RESOLUTION.
5. ALL WATER MAINS, LATERALS, VALVES AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH AWWA STANDARDS, THE TOWN OF THOMPSON AND THE NEW YORK STATE HEALTH DEPARTMENT REQUIREMENTS. ALL WATER MAINS TO HAVE A MINIMUM COVER OF 5 FEET, AND NOT EXCEEDING 6 FEET, FROM THE TOP OF THE PIPE TO THE PROPOSED SURFACE ELEVATIONS. ANY PERMITS AND/OR LICENSES NECESSARY FOR THE EXECUTION OF THE WORK SHALL BE SECURED AND PAID FOR BY THE CONTRACTOR.
6. ALL NEW WATER MAINS SHALL BE DISINFECTED BEFORE BEING PUT INTO SERVICE AND CONNECTION MADE TO EXISTING PIPE.
7. ALL AREAS DISTURBED BY CONSTRUCTION WILL BE RESTORED TO ORIGINAL CONDITION UPON COMPLETION OF WORK.
8. INTERNAL WATER METERS SHALL BE INSTALLED PER THE TOWN OF THOMPSON STANDARDS.
9. WATER MAINS TO BE POLYVINYL CHLORIDE (PVC) C900 DR18 (PRESSURE CLASS 150) WITH MATERIAL CELL CLASSIFICATION 12454-B PER ASTM D1784, AND WITH MECHANICAL JOINT AND FITTING. ALL NECESSARY JOINT MATERIALS SHALL BE FURNISHED. WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH AWWA STANDARDS (LATEST REVISIONS).
10. ALL SERVICE CONNECTIONS AND SMALL DIAMETER EXTENSIONS SHALL CONFORM TO AWWA C-600.
11. ALL CHANGES IN PIPE LINE DIRECTION BOTH HORIZONTAL AND VERTICAL SHALL BE TIE-RODDED AND THRUST