## ARCHAEOLOGICAL EXCAVATION PITS

1. THE CONTRACTOR SHALL BE ADVISED THAT ARCHAEOLOGICAL EXCAVATION MAY BE ONGOING WITHIN THE EXCHANGE AVE. RIGHT OF WAY AND ADJACENT CONTRACTS DURING THIS CONTRACT.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE STATE ARCHAELOGICAL ENGINEER - JOSEPH M. GALLOY, Ph.D., RPA (618) 251-3922 - 14 WORKING DAYS PRIOR TO START OF ANY PAVEMENT OR FOUNDATION REMOVAL.

3. THE EXISTING TOPOGRAPHY SHOWN ON THE PLANS REFLECTS THE FINAL CONDITION AFTER THE COMPLETION OF DEMOLITION CONTRACTS 76C39, 76C68 AND 76C69 AND DOES NOT NECESSARILY REFLECT CURRENT FIELD CONDITIONS. THE CONTRACTOR SHALL ASSUME THAT THE EXISTING CONDITIONS PER THE CONTRACT PLANS WILL BE PRESENT AT THE START OF CONSTRUCTION.

4. SOME VARIATIONS IN REMOVAL QUANTITIES AND FURNISHED EMBANKMENT QUANTITIES DUE TO ONGOING ADJACENT CONTRACT CONSTRUCTION AND/ OR ENVIRONMENTAL/ARCHAEOLOGICAL INVESTIGATION IS TO BE EXPECTED. ADJUSTMENTS FOR SUCH VARIATIONS SHALL BE MADE IN THE FIELD BY THE ENGINEER. ALL REMOVAL ITEMS THAT HAVE BEEN DISPLACED DUE TO ONGOING AJDACENT CONTRACT CONSTRUCTION AND/ OR ENVIRONMENTAL/ ARCHAEOLOGICAL INVESTIGATION, BUT REMAIN ON SITE, MUST BE REMOVED BY THE CONTRACTOR PER THE CONTRACT PLANS. QUANTITIES FOR REMOVAL ITEMS THAT NO LONGER REMAIN ON SITE SHALL BE SUBTRACTED FROM THE CONTRACT AT NO EXPENSE TO THE CONTRACT AT THE DIRECTION OF THE ENGINEER.

5. ARCHAEOLOGICAL EXCAVATION PITS WHICH HAVE BEEN PREVIOUSLY EXCAVATED AND BACKFILLED BY OTHERS ARE IDENTIFIED ON THE CONTRACT PLAN SHEET "EARTH EXCAVATION (SPECIAL) PLANS" AND THE SPECIAL PROVISION FOR "EARTH EXCAVATION (SPECIAL)". THE CONTRACTOR SHALL RE-EXCAVATE AND RE-COMPACT THESE AREAS WITHIN 10' FROM THE BACK OF PROPOSED CURB AND GUTTER PER THE PLANS AND SPECIAL PROVISION FOR "EARTH EXCAVATION (SPECIAL)".

## SANITARY/ STORM STRUCTURE AND SEWER REMOVAL/ REPAIR NOTES

1. EXISTING STRUCTURES AND SEWERS FOR REMOVAL WITHIN THE PROPOSED RIGHT OF WAY HAVE BEEN IDENTIFIED ON THE CONTRACT PLANS.

2. EXISTING SEWER TO BE REMOVED WHICH EXTENDS BEYOND THE RIGHT OF WAY SHALL BE REMOVED AT THE RIGHT OF WAY, AND THE REMAINING SEWER SECURELY SEALED WITH CLASS SI CONCRETE OR BRICK AND MORTAR PER ARTICLE 605.04 OF THE STANDARD SPECIFICATIONS. THE COST OF SEALING REMAINING SEWER SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE SEWER REMOVAL.

3. THE HOLES RESULTING FROM EXISTING SEWERS TO BE REMOVED WHICH ARE CONNECTED TO STRUCTURES TO BE FILLED OR ABANDONED SHALL BE SEALED WITH CLASS SI CONCRETE OR BRICK AND MORTAR PER ARTICLE 605.04 OF THE STANDARD SPECIFICATIONS. THE COST OF SEALING THE REMAINING HOLES SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE SEWER REMOVAL.

4. EXISTING SEWER TO BE REMOVED WHICH IS FOUND TO BE CONVEYING STORMWATER SHALL NOT BE SEALED, BUT FLOW SHALL BE MAINTAINED PER ARTICLE 605.03 AND SHALL BE PAID FOR VIA FORCE ACCOUNT.

5. THE CONTRACTOR SHALL BE AWARE THAT THERE MAY BE YET UNIDENTIFIED EXISTING SEWER BENEATH THE SURFACE WHICH MAY BE ENCOUNTERED DURING EXCAVATION OPERATIONS. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY UNIDENTIFIED EXISTING SEWER ENCOUNTERED WITHIN THE PROPOSED RIGHT OF WAY DURING EXCAVATION. THE ENGINEER SHALL DETERMINE IF THE SUBJECT SEWER CAN BE REMOVED AND CAPPED AT THE RIGHT OF WAY AND PAID PER AGREED UNIT PRICE, OR IF THE SEWER FLOW MUST BE MAINTAINED.

6. ANY ABANDONED PIECES OF SEWER OR STRUCTURE ENCOUNTERED WHICH HAVE ALREADY BEEN DISPLACED FROM THE SEWER SYSTEM SHALL BE DISPOSED OF BY THE CONTRACTOR. THE COST OF THIS DISPOSAL SHALL BE INCLUDED IN THE COST OF CLEARING (SPECIAL).

7. ALL PROPOSED SANITARY SEWER CONNECTED TO THE EXISTING SANITARY/ COMBINED SEWER SYSTEM SHALL BE SUBJECT TO THE SANITARY SEWER AND SANITARY MANHOLE TESTING NOTES LOCATED ON THESE GENERAL NOTES PLAN SHEETS.

8. THE CONTRACTOR SHALL USE EXTRA CAUTION WHEN EXCAVATING NEAR EXISTING BRICK OR CONCRETE STRUCTURES, WHILE REMOVING OR PLUGGING EXISTING SEWERS, OR RECONSTRUCTING/ ADJUSTMENTS TO DRAINAGE STRUCTURES. ANY DAMAGE TO THE EXISTING BRICK OR CONCRETE STRUCTURES DURING EXCAVATION ACTIVITIES, REMOVAL OR PLUGGING OF SEWERS, OR RECONSTRUCTION/ ADJUSTMENTS OF DRAINAGE STRUCTURES, SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.

## EROSION AND SEDIMENT CONTROL

1. THE WORK DESCRIBED ON THESE DRAWINGS ARE AN INTEGRAL PART OF THE STORM WATER POLLUTION PREVENTION PLAN USED TO OBTAIN THE NPDES PERMIT FROM IEPA FOR THE CONSTRUCTION OF THIS PROJECT.

2. THE PURPOSE OF THE EROSION AND SEDIMENT CONTROL MEASURES INCLUDED FOR THIS PROJECT IS TO LIMIT THE SEDIMENT POLLUTION IMPACT, OF ANY STORM WATER DISCHARGES THAT ORIGINATE ON THIS SITE OR OFF-SITE FLOWS THAT FLOW OVER THE DISTURBED AREAS, ON DOWNSTREAM AREAS.

3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.

4. TO THE MAXIMUM EXTENT POSSIBLE, ALL FLOWS ORIGINATING OFF THE CONSTRUCTION SITE WILL BE DIVERTED AROUND DISTURBED AREAS OR WILL BE CONVEYED THROUGH THE SITE IN A MANNER THAT UNTREATED ON-SITE RUNOFF DOES NOT MIX WITH THE OFF-SITE RUNOFF.

5. ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL MINIMIZE THE OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITY.

6. A MAXIMUM OF 10 ACRES MAY BE IN SOME STAGE OF GRADING/DISTURBANCE AT A SINGLE TIME. ADDITIONAL AREAS (UP TO 10 ACRES) MAY BE CLEARED BUT WILL NOT BE STRIPPED OF VEGETATION UNTIL THE GRADED/DISTURBED AREAS HAVE BEEN PROTECTED FROM EROSION THROUGH INSTALLATION OF EITHER TEMPORARY OR PERMANENT MEASURES. WHENEVER POSSIBLE, THE GRADING WILL BE COMPLETED TO THE DESIGN GRADE AND THE PERMANENT VEGETATION PLAN IMPLEMENTED PRIOR TO STARTING GRADING ACTIVITIES ON THE NEXT SITE.

7. DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION, THE AREA WILL BE STABILIZED USING PERMANENT MEASURES WITHIN 7 CALENDAR DAYS. TEMPORARY STABILIZATION THROUGH USE OF GROUND COVER, MULCHING, TEMPORARY SEEDING, OR OTHER APPROVED MEASURES WILL BE INSTALLED WHENEVER SITE DEVELOPMENT WORK, GRADING OR OTHER EARTH DISTURBING ACTIVITIES CEASE TO BE CONTINUOUS FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. THE 7/14 DAY REQUIREMENT IS TAKEN TO MEAN THAT THE STABILIZATION OPERATION IS COMPLETE OR NEARING COMPLETION IN THE DEFINED TIME.

8. THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES AS RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS. THIS PERSON IS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES. THIS EMPLOYEE IS TO HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTIONS CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN GIVEN BY THE ENGINEER. ALL MEASURES WILL BE INSPECTED BY THIS INDIVIDUAL AND THE ENGINEER ON A REGULAR BASIS (AT LEAST ONCE EVERY 7 DAYS) AND AFTER RAINFALL EVENTS GREATER THAN 1/2 INCH.

9. INLET FILTERS ARE REQUIRED FOR THE STRUCTURES SHOWN ON THE PLANS. STRUCTURE OPENINGS VARY SUCH THAT FIELD MEASUREMENT AND/OR CONTRACTOR DESIGN WILL BE REQUIRED. COST OF DESIGN, LABOR AND MATERIALS WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR "INLET FILTERS".

10. ALL AREAS DISTURBED FOR ANY REASON SHALL BE TEMPORARILY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.

11. THE RESIDENT ENGINEER SHALL HAVE FINAL DETERMINATION OF THE PLACEMENT AND LOCATION OF THE PERIMETER EROSION BARRIER.

12. SEE EROSION AND SEDIMENT CONTROL PLANS FOR PLACEMENT OF ALL EROSION AND SEDIMENT CONTROL PAY ITEMS.

13. EROSION CONTROL MEASURES SHALL BE REMOVED ONLY WHERE INDICATED ON THE PLANS. COST OF REMOVAL SHALL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE TYPE OF MEASURE INDICATED ON THE PLANS.

14. AT THE COMPLETION OF CONSTRUCTION ACTIVITIES, THE CONSTRUCTION ENTRANCES AND THE PERIMETER EROSION BARRIER (PEB) SHALL BE REMOVED.