

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4011	07-00072-00-PV	McHENRY	00	2
ILLINOIS PROJECT				
CONTRACT NO. 63137				

GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007, AND THE SUPPLEMENTAL SPECIFICATIONS RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2009 REFERRED TO AS THE STANDARD SPECIFICATIONS EXCEPT AS MODIFIED IN THESE PLANS OR THE SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY.
- THE CONTRACTOR SHALL CALL J.U.L.I.E. (1-800-892-0123) FOR UNDERGROUND UTILITY LOCATIONS PRIOR TO BEGINNING ANY EXCAVATION WORK.
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, INCLUDING UTILITY LOCATIONS AND ELEVATIONS, PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- ANY DAMAGE DONE BY THE CONTRACTOR TO EXISTING UNDERGROUND UTILITIES OR SURFACE IMPROVEMENTS TO REMAIN SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SIGNS, BARRICADES, AND FENCES AS REQUIRED TO COMPLY WITH LOCAL, STATE, AND FEDERAL LAW. SIDEWALK CLOSURE SIGNS SHALL BE PLACED ON ALL SIDEWALKS ENTERING AREAS WHERE CONSTRUCTION IS BEING PERFORMED.
- ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH APPLICABLE IDOT HIGHWAY STANDARDS.
- THE CONTRACTOR SHALL NOTIFY RESIDENTS 24 HOURS PRIOR TO REMOVING ANY DRIVEWAY PAVEMENT. THE CONTRACTOR SHALL USE A VILLAGE APPROVED DOOR HANGAR CARD WITH ALL IMPORTANT CONSTRUCTION SCHEDULE INFORMATION DISPLAYED.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE ADJUTING PROPERTIES INTERSECTING ROADWAYS FOR THE OPERATION OF CONSTRUCTION. SURFACE COURSE, TYPE B SHALL INCLUDE PLACEMENT, MAINTENANCE, AND REMOVAL OF TEMPORARY AGGREGATE FOR THIS PURPOSE. MATERIAL SHALL BE PLACED TO A SUFFICIENT DEPTH AND WIDTH TO THE SATISFACTION OF THE ENGINEER, AND SHALL CONSIST OF IDOT GRADATION CA-6 CRUSHED LIMESTONE. THIS MATERIAL MAY BE RE-USED IN CONSTRUCTION WITH PERMISSION OF THE ENGINEER.
- ALL TREES NOTED ON THE PLANS FOR PROTECTION SHALL BE TRIMMED, PRUNED, AND ROOT PRUNED, WITH A TEMPORARY FENCE PLACED AROUND THE PERIMETER TO PROTECT THEM FROM THE CONTRACTOR'S OPERATIONS.
- THE VILLAGE OF ALGONQUIN WILL ISSUE TO THE RESIDENTS OF THE PROJECT A TIMELINE FOR THE REMOVAL OF EXISTING MAILBOXES. THE CONTRACTOR WILL NEED TO PROVIDE GANG BOXES ON THE FRINGE OF THE PROJECT WHERE DIRECTED BY THE VILLAGE FOR MAIL DELIVERY DURING CONSTRUCTION. THE GANG BOXES MUST NOT BE KEY OPERATED. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- DURING NON-WORKING HOURS OR ON WEEKENDS, THE ENTIRE LENGTH OF THE IMPROVEMENT WILL HAVE A LANE OPEN FOR USE BY EMERGENCY VEHICLES. DURING DAYLIGHT HOURS, THE CONTRACTOR SHALL KEEP THE POLICE AND FIRE DEPARTMENTS NOTIFIED AS TO WHAT AREAS ARE CLOSED AND AT WHAT TIME THEY ARE TO BE OPENED AGAIN.
- HEAVY CONSTRUCTION VEHICLES WILL NOT BE PERMITTED TO CROSS OVER CURBS OR USE PRIVATE DRIVEWAYS FOR TURNAROUNDS. ANY DAMAGE TO PARKWAYS, CURBS AND DRIVEWAYS CAUSED BY THE CONTRACTOR'S OPERATIONS WILL BE REPAIRED AT HIS EXPENSE.
- THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO THAT ACCESS TO EXISTING HOMES OR BUSINESSES IS MAINTAINED. THE CONTRACTOR SHALL PROVIDE 24 HOUR NOTICE TO ANY PROPERTY OWNER WHOSE ACCESS MAY BE TEMPORARILY INTERRUPTED BECAUSE OF CONSTRUCTION.
- USE OF FIRE HYDRANTS SHALL BE EXPRESSLY PROHIBITED UNLESS PERMITTED BY THE VILLAGE WATER DEPARTMENT. A METER OR SOME OTHER METHOD MUST BE USED TO ACCOUNT FOR THE AMOUNT OF WATER USED. A WATER USE PERMIT MUST BE TAKEN OUT BY THE CONTRACTORS WITHOUT FEE. ONLY EMPLOYEES OF THE VILLAGE ARE AUTHORIZED TO OPERATE VALVES CONNECTED TO THE VILLAGE SYSTEM.
- THE CONTRACTOR SHALL PROTECT TREES FROM DAMAGE DUE TO CONSTRUCTION EQUIPMENT AND OPERATIONS IN ACCORDANCE WITH VILLAGE STANDARDS. THE CONTRACTOR SHALL CONTACT THE VILLAGE'S PARKS AND FORESTRY SUPERINTENDENT TO DETERMINE IF ANY TREE TRIMMING, PRUNING, ROOT PRUNING OR PROTECTION IS REQUIRED PRIOR TO THE START OF CONSTRUCTION. UNLESS PROVIDED FOR IN A SPECIFIC PAY ITEM ALL SUCH TRIMMING, PRUNING AS WELL AS REPAIR OF WOUND SURFACES OR DAMAGE SHALL BE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE TO THE WORK BY STORMS OR BY WATER ENTERING THE SITE OF THE WORK DIRECTLY OR THROUGH THE GROUND. IN CASE OF DAMAGE BY STORM OR WATER, THE CONTRACTOR SHALL AT HIS OWN EXPENSE MAKE SUCH REPAIRS OR REPLACEMENTS OR REBUILD SUCH PARTS OF THE WORK AS THE ENGINEER MAY REQUIRE IN ORDER THAT THE FINISHED WORK MAY BE COMPLETED AS REQUIRED BY THE CONTRACT.
- NO PERSON, FIRM OR CORPORATION, OTHER THAN THE CONTRACTOR, WHO SIGNED THIS CONTRACT AS SUCH, SHALL HAVE ANY INTEREST OR RIGHT, NO CLAIM SHALL BE MADE OR BE VALID EITHER AGAINST THE VILLAGE OR ANY AGENT OF THE VILLAGE AND NEITHER THE VILLAGE NOR ANY AGENT OF THE VILLAGE SHALL BE LIABLE FOR OR BY HELD TO PAY ANY MONEY.
- DURING CONSTRUCTION, THE PREMISES SHALL BE KEPT CLEAN OF RUBBISH, PAPER, AND OTHER DEBRIS. ALL SPOIL MATERIALS SHALL BE REMOVED FROM THE JOB SITE AS THEY ARE EXCAVATED. STOCKPILING OF SPOIL MATERIALS ON SITE WILL NOT BE PERMITTED. ALL DIRT TRACKED OFFSITE ONTO STREETS SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER AT THE END OF THE WORK DAY OR AS OFTEN AS THE ENGINEER REQUIRES. ALL MATERIAL OR DEBRIS THAT HAS BEEN WASHED INTO EXISTING WATERCOURSE, DITCHES, GUTTERS, DRAINS, SEWER PIPE AND STRUCTURES AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REMOVED AND DISPOSED OF DURING THE PROGRESS OF THE WORK AND SHALL BE LEFT IN A CLEAN AND NEAT CONDITION UPON THE COMPLETION OF THE WORK.

SURFACE IMPROVEMENT NOTES

- ALL BASE COURSE, CURB & GUTTER, SIDEWALK, AND PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE IDOT STANDARD SPECIFICATIONS AND VILLAGE OF ALGONQUIN REQUIREMENTS.
- PRIOR TO PLACEMENT OF THE BASE COURSE, THE SUBGRADE SHALL BE INSPECTED BY PROOF-ROLLING IN THE PRESENCE OF THE ENGINEER, USING A FULLY LOADED TANDEM-AXEL TRUCK WITH A MINIMUM GROSS WEIGHT OF 25 TONS. ANY SOFT OR YIELDING AREAS SHALL BE SCARIFIED AND RECOMPACTED IN ACCORDANCE WITH ARTICLE 301 OF THE STANDARD SPECIFICATIONS. ANY UNSTABLE SOILS STILL PRESENT SHALL BE REMOVED AND REPLACED WITH COMPACTED POROUS GRANULAR EMBANKMENT (SUBGRADE) IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER. THE COST OF THE PROOF-ROLL SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- SUB-BASE GRANULAR MATERIALS FOR ROADWAY AND AGGREGATE BASE COURSE FOR THE BIKE PATH SHALL BE IDOT GRADATION CA-6 CRUSHED STONE, IN ACCORDANCE WITH ARTICLE 311 AND 351 OF THE STANDARD SPECIFICATIONS. RECLAIMED ASPHALT PAVEMENT (RAP) FROM COLD MILLING OF THE EXISTING PAVEMENT MAY BE SUBSTITUTED WITH APPROVAL OF THE ENGINEER.
- PRIOR TO PLACEMENT OF THE CURB AND GUTTER AND THE PAVEMENT BINDER COURSE, THE CONTRACTOR SHALL PROOF-ROLL THE COMPACTED SUB-BASE COURSE AS DESCRIBED ABOVE, WITH ANY SOFT OR YIELDING AREAS REMOVED AND REPLACED AS DIRECTED. THE COST OF THE PROOF-ROLL SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- ROADWAY AND DRIVEWAY PAVEMENT SHALL BE FULL-DEPTH SAWCUTS PRIOR TO REMOVAL WHERE THE NEW PAVEMENT ABUTS THE EXISTING. THE COST OF ALL SAWCUTS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- WORK PAID FOR UNDER THE DRIVEWAY PAVEMENT REMOVAL ITEM SHALL ALSO INCLUDE THE PROTECTION, TEMPORARY REMOVAL AND STORAGE, OR CLEARING AND REMOVAL OF LANDSCAPE PLANTERS, DECORATIVE STONES, SHRUBS, RETAINING WALLS, AND OTHER FEATURES THAT INTERFERE WITH THE INSTALLATION OF THE NEW ROADWAY AND DRIVEWAYS.
- THE CONTRACTOR SHALL PROVIDE ADVANCE "FRESH OIL" SIGNS ON ALL ROADWAYS THAT HAVE RECEIVED PRIME MATERIAL AND SHALL REMAIN IN PLACE UNTIL PLACEMENT OF THE SURFACE COURSE.
- MATERIAL FOR THE BINDER AND SURFACE COURSES SHALL BE HOT MIX ASPHALT NSO AS INDICATED IN THE TYPICAL SECTIONS.
- ALL CONCRETE SHALL BE CLASS SI WITH NO CHLORINE ADDITIVES.
- ALL DRIVEWAY APRONS ARE TO BE WITH PORTLAND CEMENT CONCRETE TO THE RIGHT OF WAY LINE. CONCRETE DRIVEWAY PAVEMENT SHALL BE A MINIMUM OF 6-INCHES THICK FOR RESIDENTIAL DRIVEWAYS AND 8-INCH THICK FOR COMMERCIAL DRIVEWAYS. ALL CONCRETE DRIVEWAY PAVEMENT SHALL BE CONSTRUCTED ON A 4-INCH AGGREGATE BASE COURSE TYPE B (CA-6).

SURFACE IMPROVEMENT NOTES (CONT.)

- PCC SIDEWALKS SHALL BE A MINIMUM OF 5-INCHES THICK, WITH THE PORTION ACROSS DRIVEWAYS TO MATCH THE DRIVEWAY THICKNESS (6-INCHES FOR RESIDENTIAL DRIVEWAYS AND 8-INCHES FOR COMMERCIAL DRIVEWAYS).
- ALL SIDEWALK SHALL BE CONSTRUCTED ON A 2-INCH SAND CUSHION (FA-2), WHICH SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE SIDEWALK.
- SIDEWALKS SHALL HAVE A BROOM FINISH WITH TOOLED CONTROL JOINTS PLACED AT 5-FOOT CENTERS. FIBER EXPANSION JOINTS SHALL BE PLACED AT 50 FOOT CENTERS AND WHERE THE SIDEWALK ABUTS CURB OR EXISTING SIDEWALK, AND AT THE END OF A PREVIOUS PLACEMENT.
- WHERE SIDEWALK INTERSECTS DRIVEWAY APRONS, SEPARATE POURS SHALL BE MADE.
- FOR STEEL BARS CERTIFICATION, PLEASE CONTACT ABDUL DAHMAN, IDOT BUREAU OF MATERIALS, AT (847) 705-4363.

UTILITY NOTES

- SANITARY SEWER AND WATER MAIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, FIFTH EDITION, AND VILLAGE OF ALGONQUIN REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS IN THE FIELD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL PRIVATE UTILITY RELOCATIONS WHERE NOTED ON THE PLANS OR WHERE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
- SEPARATION OF WATER AND SEWER MAIN SHALL MEET THE REQUIREMENTS OF ARTICLE 550.04 OF THE STANDARD SPECIFICATIONS.
- ALL TRENCHES UNDER OR WITHIN TWO FEET OF ANY EXISTING OR PROPOSED PAVEMENT, DRIVEWAYS, SIDEWALKS, OR BUILDINGS SHALL BE BACKFILLED WITH CA-6 OR FA-6 GRANULAR MATERIAL MECHANICALLY COMPACTED IN SIX-INCH HORIZONTAL LAYERS. EACH LAYER SHALL BE EVENLY SPREAD, MOISTENED (OR DRIED, IF NECESSARY), AND THEN TAMPED OR ROLLED UNTIL 90 PERCENT RELATIVE COMPACTION IS ACHIEVED. PEA GRAVEL WILL NOT BE PERMITTED.
- ALL STORM SEWER AND WATER MAIN SHALL BE BEDDED ON A MINIMUM 4" LAYER OF CA-6, CA-7, B, 11, OR 13 CRUSHED STONE PLACED TO THE SPRINGLINE. ALL SANITARY SEWER SHALL BE BEDDED ON A 4" LAYER OF FA-6, PLACED TO 12-INCHES OVER THE TOP OF THE PIPE.
- ALL UTILITY STRUCTURES SHALL BE PRECAST REINFORCED CONCRETE IN ACCORDANCE WITH ASTM C478 AND THE APPLICABLE DETAILS. ALL JOINTS BETWEEN PRECAST ELEMENTS, ADJUSTING RINGS, AND FRAMES SHALL BE SEALED USING ROPE STYLE BUTYL RUBBER JOINT SEALANT. A MINIMUM OF 3 INCHES AND A MAXIMUM OF 8 INCHES OF ADJUSTING RINGS MAY BE USED. THE TOP ADJUSTMENT RING FOR STRUCTURES LOCATED IN PAVEMENT AREAS SHALL BE AN EAST JORDAN GNR RECYCLED RUBBER INFRA RISER RING, OR APPROVED EQUAL.
- ALL FRAMES SHALL BE SEALED TO THE MANHOLE OR VALVE VAULT BY USING A HEAT SHRINKABLE WRAP AROUND SLEEVE. SEALS SHALL BE AS MANUFACTURED BY CRETEX OR CANJSA WRAPID SEAL MANHOLE ENCAPSULATION SYSTEM OR APPROVED EQUAL. WHERE FLAT SLAB TOPS ARE REQUIRED, A RING SHALL BE CAST INTO THE SLAB FOR THIS PURPOSE.
- FRAMES AND LIDS SHALL BE AS FOLLOWS:
MANHOLES AND VALVE VAULTS
EAST JORDAN NO. 1050-Z1, OR APPROVED EQUAL, WITH 1" CONCEALED PICKHOLE, LETTERED "STORM", "WATER", OR "SANITARY", AS APPROPRIATE, WITH VILLAGE OF ALGONQUIN LOGO AND IN ACCORDANCE WITH THE VILLAGE STANDARD DETAILS. SANITARY LIDS SHALL INCLUDE A SEAL GASKET (TYPE 1).
INLETS AND CATCH BASINS
IN LANDSCAPE AREAS: EAST JORDAN NO. 6527, OR APPROVED EQUAL (TYPE B).
IN HIGH VELOCITY FLOW LANDSCAPE AREAS (WHERE SPECIFIED): EAST JORDAN NO. 6508, OR APPROVED EQUAL.
IN CURB AND GUTTER: EAST JORDAN NO. 7010 OR APPROVED EQUAL, WITH TYPE T1 BACK AND TYPE M3 SINUSOIDAL GRATE. USE TYPE M4 DIRECTIONAL VANE GRATE WHERE GRADE IS GREATER THAN OR EQUAL TO 3 PERCENT (TYPE 3).
- ALL DRAINAGE STRUCTURES SHALL BE CLEANED PRIOR TO FINAL ACCEPTANCE. THIS SHALL BE INCIDENTAL TO THE COST OF THE STRUCTURE.
- INDICATED PIPE LENGTHS ARE TO THE INSIDE WALL OF THE STRUCTURES.
- STATION, OFFSET, AND RIM ELEVATIONS FOR ALL CURB-LINE STRUCTURES ARE INDICATED AT THE EDGE OF PAVEMENT. ALL OTHER STRUCTURES ARE INDICATED AT THE CENTER.
- UNLESS OTHERWISE NOTED, ALL STORM SEWER PIPE SHALL BE REINFORCED CONCRETE IN ACCORDANCE WITH ASTM C76, WITH RUBBER GASKETED JOINTS IN ACCORDANCE WITH ASTM C443.
- PIPE UNDERDRAINS SHALL BE PERFORATED PVC CONFORMING TO AASHTO M 278. PIPE SHALL BE WRAPPED WITH A LAYER OF MIRIFI OR APPROVED EQUAL GEOTEXTILE FABRIC AND BACKFILLED WITH WASHED CRUSHED STONE.
- EXISTING RESIDENTIAL SUMP PUMP DISCHARGE LINES AND ANY DRAIN TILES ENCOUNTERED DURING INSTALLATION OF THE STORM SEWERS SHALL BE CORE DRILLED AND CONNECTED TO THE NEW SEWER. PIPE INSTALLATION SHALL BE PAID AS PIPE UNDERDRAIN AND CONNECTION SHALL BE INCIDENTAL TO THE CONTRACT.
- UNLESS DIRECTED OTHERWISE, ALL FRAMES, LIDS, VALVES, AND HYDRANTS FROM UTILITIES THAT ARE REMOVED OR ABANDONED SHALL BE TURNED OVER TO THE ALGONQUIN PUBLIC WORKS DEPARTMENT.
- SANITARY SEWER MATERIALS SHALL BE AS FOLLOWS:
DEPTHS TO 15 FEET: PVC SDR-26, IN ACCORDANCE WITH ASTM D-3034, WITH ELASTOMERIC SEAL JOINTS IN ACCORDANCE WITH ASTM D-3212. PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D-2321, "UNDERGROUND INSTALLATION OF FLEXIBLE THERMOPLASTIC SEWER PIPE".
DEPTHS OVER 15 FEET: DUCTILE IRON PIPE, CLASS 52 IN ACCORDANCE WITH AWWA C151, BITUMINOUS COATED AND EPOXY LINED, WITH AWWA C111 PUSH-ON JOINTS.
- WATER MAINS SHALL BE DUCTILE IRON PIPE, CLASS 52, IN ACCORDANCE WITH AWWA C151, WITH BITUMINOUS COATING AND CEMENT LINING IN ACCORDANCE WITH AWWA C104. PIPE JOINTS SHALL BE MECHANICAL OR PUSH-ON IN ACCORDANCE WITH AWWA C111. ALL WATER MAIN INSTALLED WITH NEW VALVES AND HYDRANTS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE VALVE OR HYDRANT.
- TEES, BENDS, REDUCERS, AND OTHER FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINT, BITUMINOUS COATED AND CEMENT LINED, FURNISHED WITH RESTRAINED JOINT (MEGALUG OR APPROVED EQUAL) IN ACCORDANCE WITH AWWA C111.
- VALVES 10" AND OVER SHALL BE LOCATED WITHIN A MINIMUM 60" DIAMETER VAULT. PIPE PENETRATION SHALL BE SEALED USING FLEXIBLE RUBBER CONNECTOR WITH STAINLESS STEEL BANDS, IN ACCORDANCE WITH ASTM C443 AND C923. VALVES SHALL BE MUELLER A-2360 OR APPROVED EQUAL RESILIENT WEDGE GATE VALVES. ALL FITTINGS SHALL BE SWABBED WITH A CHLORINE SOLUTION OF AT LEAST 50 MG/L, TO BE TESTED AND APPROVED BY THE ENGINEER PRIOR TO USE.
- FIRE HYDRANTS SHALL BE WATEROUS PACER WB67-250, OR APPROVED EQUAL, IN ACCORDANCE WITH VILLAGE STANDARDS, WITH A 6" AUXILIARY VALVE AND VALVE BOX.
- ONLY VILLAGE OF ALGONQUIN WATER DEPARTMENT PERSONNEL OR PERSONS AUTHORIZED BY THE UTILITY SUPERINTENDENT OR DIRECTOR OF PUBLIC WORKS ARE PERMITTED TO OPERATE VALVES CONNECTED TO THE VILLAGE WATER SYSTEM.
- ALL EXISTING CULVERT PIPES SHALL BE REMOVED AND DISPOSED. REMOVAL OF FLARED END SECTIONS SHALL BE INCLUDED IN THE COST OF STORM SEWER REMOVAL.
- WATER MAINS SHALL BE PRESSURE TESTED PRIOR TO DISINFECTION. PRESSURE TESTING SHALL BE IN ACCORDANCE WITH THE ESTABLISHED VILLAGE STANDARD PROCEDURE AND SHALL BE SUPERVISED BY THE ENGINEER. THE CONTRACTOR SHALL NOTIFY THE WATER DEPARTMENT AT LEAST 48 HOURS PRIOR TO PRESSURE TESTING THE MAIN.
- WATER MAINS SHALL BE FLUSHED AND DISINFECTED FOLLOWING PRESSURE TESTING. FLUSHING AND DISINFECTION SHALL BE IN ACCORDANCE WITH ARTICLE 41-2.14 OF THE STANDARD SPECIFICATIONS AND VILLAGE REQUIREMENTS. THE CONTRACTOR SHALL NOTIFY WATER DEPARTMENT AT LEAST 48 HOURS PRIOR TO FLUSHING AND DISINFECTING THE MAIN.
- PRESSURE CONNECTIONS SHALL BE LOCATED WITHIN A MINIMUM 60" DIAMETER VAULT. PIPE PENETRATION SHALL BE SEALED USING FLEXIBLE RUBBER CONNECTOR WITH STAINLESS STEEL BANDS, IN ACCORDANCE WITH ASTM C443 AND C923. TAPPING SLEEVES SHALL BE MUELLER 615. TAPPING VALVES SHALL BE RESILIENT WEDGE GATE VALVE NRS WITH MECHANICAL JOINTS. ALL FITTINGS SHALL BE SWABBED WITH A CHLORINE SOLUTION OF AT LEAST 50 MG/L, TO BE TESTED AND APPROVED BY THE ENGINEER PRIOR TO USE.

EROSION CONTROL AND RESTORATION NOTES

- SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MAINTENANCE IDOT HIGHWAY STANDARDS AND VILLAGE REQUIREMENTS. IN CASES OF CONFLICT, THE MORE STRINGENT PROVISION SHALL GOVERN.
- THE CONTRACTOR SHALL BE THE RESPONSIBLE PARTY FOR EROSION CONTROL FOR THE DURATION OF CONSTRUCTION.
- THE EROSION CONTROL SHOWN IS THE MINIMUM REQUIRED FOR THE SITE. THE VILLAGE OF ALGONQUIN OR ITS GOVERNING BODIES MAY REQUIRE ADDITIONAL MEASURES BE INSTALLED AT ANY TIME DURING THE COURSE OF CONSTRUCTION.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- ALL SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE DISTURBANCE OF UPLAND AREAS.
- ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY, OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. THIS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- IF Dewatering DEVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN.
- DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT SEEDING WITHIN 7 DAYS OF THE COMPLETION OF GRADING IN THAT AREA. TEMPORARY SEEDING SHALL BE IN ACCORDANCE WITH IDOT SECTION 280.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING THE DUST AND AIR-BORNE DIRT GENERATED BY CONSTRUCTION ACTIVITIES. THE ENGINEER MAY REQUIRE THE IMPLEMENTATION OF APPROPRIATE DUST CONTROL MEASURES, INCLUDING WATERING, AS SPECIFIED IN SECTION 107.36 OF THE STANDARD SPECIFICATIONS. THE COST OF ANY SUCH DUST CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- DRAINAGE STRUCTURES LOCATED IN TURF AREAS SHALL BE PROTECTED BY INLET FILTERS, WHICH SHALL BE LEFT IN PLACE UNTIL THE VEGETATION IS ESTABLISHED. INLETS AND CATCH BASINS IN ROADWAY AREAS SHALL BE PROTECTED BY INLET FILTERS IN ACCORDANCE WITH THE APPLICABLE SPECIAL PROVISION.
- LANDSCAPE RESTORATION SHALL CONSIST OF FURNISHING AND PLACING A MINIMUM 4-INCH LAYER OF TOPSOIL, SEED, AND EROSION CONTROL BLANKET AS NOTED.
- THE SEEDING SHALL BE GUARANTEED FOR A PERIOD OF ONE FULL GROWING SEASON (APRIL TO OCTOBER) FROM THE DATE OF SUBSTANTIAL COMPLETION OF THE TOTAL PROJECT AS ESTABLISHED BY THE ENGINEER FOR LOSS DUE TO FAULTY MATERIALS, WORKMANSHIP OR PROCEDURE.
- AN EROSION CONTROL BLANKET SHALL BE PLACED OVER THE SEEDED AREAS IMMEDIATELY TO PREVENT EROSION AS NOTED IN THE RESTORATION PLANS.
- TEMPORARY DITCH CHECKS SHALL BE PLACED IN AREAS INDICATED IN THE PLANS OR AS DIRECTED BY THE FIELD ENGINEER. TEMPORARY DITCH CHECKS SHALL BE CONSTRUCTED WITH ROLLED EXCELSIOR PRODUCTS FROM IDOT'S APPROVED LIST OF MANUFACTURERS. MANUFACTURED DITCH CHECKS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
- TREES TO BE PLANTED SHALL HAVE A TRUNK DIAMETER (MEASURED TWELVE INCHES ABOVE THE GROUND) OF NOT LESS THAN THREE INCHES (3"). FOR CLARIFICATION OR A LIST OF APPROVED SPECIES, CONTACT STEVE LUDWIG, VILLAGE ARBORIST, AT (847) 658-2754 EXT. 411. NO MORE THAN TWENTY PERCENT (20%) OF ANY GENUS AND NO MORE THAN TEN PERCENT (10%) OF ANY SPECIES SHALL BE USED. ALL TREE SPECIES ARE SUBJECT TO APPROVAL BY THE ENGINEER. TREES SHALL BE BALLED AND BURLAPPED AND GROWN ACCORDING TO GOOD NURSERY PRACTICES AS SPECIFIED IN THE ARBORICULTURAL SPECIFICATIONS MANUAL. SYNTHETIC BURLAP AND ROPE PRODUCTS SHALL NOT BE USED. ALL TREES DELIVERED TO THE PROJECT IN BASKETS SHALL HAVE THE BASKETS ENTIRELY REMOVED PRIOR TO PLANTING. ALL TREES SHALL BE PLANTED IN A PLUMB POSITION, WITH THE BASAL FLARE RESIDING AT GRADE. STAKING OF TREES SHALL ONLY BE PERFORMED IF NECESSARY. STAKES SHALL REMAIN ON THE SPECIMENS FOR NO LONGER THAN ONE YEAR.
NO SOIL AMENDMENTS SHALL BE ALLOWED.
3" OF APPROVED DECORATIVE MULCH SHALL BE INSTALLED AT THE TIME OF PLANTING OVER THE ENTIRE ROOT ZONE.
- STRAW HAY BALES SHALL NOT BE USED AS EROSION PROTECTION FOR DITCH CHECKS AND INLET AND PIPE PROTECTION.

EROSION CONTROL CONSTRUCTION SEQUENCE:

- CONTRACTOR SHALL INSTALL SILT FENCE, TEMPORARY DITCH CHECKS, AND INLET AND PIPE PROTECTION AT EXISTING STRUCTURES AND AT LOCATIONS INDICATED PRIOR TO THE START OF EXCAVATION AND PAVEMENT REMOVAL.
- CONTRACTOR SHALL PROVIDE INLET PROTECTION AROUND ALL PROPOSED OPEN-LIDDED STORM STRUCTURES IMMEDIATELY UPON INSTALLATION.
- CONTRACTOR SHALL PROVIDE TEMPORARY SEEDING OR PERMANENT SEEDING AND EROSION CONTROL BLANKET WITHIN 7 DAYS OF THE COMPLETION OF GRADING IN ANY AREA.

INSPECTION/MAINTENANCE SCHEDULE:

- CONTRACTOR SHALL INSPECT SILT FENCE AND INLET PROTECTION MEASURES WEEKLY AND WITHIN 24 HOURS AFTER ANY STORM OF 0.5 INCHES OR GREATER RAINFALL. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED IMMEDIATELY FOLLOWING INSPECTION.
- CONTRACTOR SHALL CONDUCT STREET SWEEPING AS NEEDED AND AS DIRECTED BY THE ENGINEER TO REMOVE ACCUMULATED SEDIMENT.
- CONTRACTOR SHALL PROTECT SEEDED AREAS FROM VEHICULAR AND FOOT TRAFFIC.
- ANY AREAS WHERE SEEDLING EMERGENCE IS POOR OR EROSION OCCURS SHALL BE RESEEDED.

REVISIONS	
NAME	DATE

HANSON ROAD IMPROVEMENTS
EDGEWOOD DRIVE TO HUNTINGTON DRIVE

GENERAL NOTES

DATE: 03-27-09

DRAWN BY: AJR
CHECKED BY: MAY

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
CHICAGO, ILLINOIS