#### 1. STANDARD SPECIFICATIONS

EXCEPT WHERE MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK PROPOSED HEREON SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE

- STANDARD SPECIFICATIONS FOR EARTHWORK, PAVEMENT AND SIDEWALKS. ALL EARTHWORK, PAVEMENT, CURBING AND SIDEWALK ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AS PREPARED BY I.O.O.T., LATEST ADDITION AND WITH ANY SPECIAL PROVISIONS SPECIFIED HEREIN TO SAID STANDARD SPECIFICATION.
- STANDARD SPECIFICATIONS FOR SANITARY SEWERS, STORM SEWERS AND WATER MAINS, ALL SANITARY SEWER, STORM SEWER AND WATER MAIN CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS" LATEST ADDITION AND WITH ANY SPECIAL PROVISIONS SPECIFIED HEREIN TO SAID STANDARD SPECIFICATIONS.
- CITY OF BATAVIA SUBDIVISION CONTROL ORDINANCE DATED MARCH 1989, INCLUDING ALL PERTINENT ADDENDA AND ALL APPLICABLE CITY OF BATAVIA STANDARDS.
- THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS" AS PUBLISHED BY LD.O.T., LATEST ADDITION.
- THE "PROCEDURES AND STANDARDS FOR URBAN EROSION CONTROL IN ILLINOIS" AS PUBLISHED BY THE ILLINOIS CONSERVATION DISTRICT.
- CONFLICTS: IN THE CASE OF CONFLICTS BETWEEN THE PLANS AND SPECIFICATIONS SHOWN HEREIN AND THE APPLICABLE STANDARD SPECIFICATIONS, THESE PLANS AND SPECIFICATIONS SHOWN HEREIN SHALL TAKE PRECEDENCE, NO SUBSTITUTIONS IN MATERIALS, DETAILS OR ANY OTHER PART OF THE WORK SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.

## 2. GENERAL

- 2.1 HEALTH AND SAFETY: THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND FEDERAL SAFETY RECILLATIONS AS OUTLINED IN THE LATEST REVISIONS OF THE FEDERAL CONSTRUCTION SAFETY STANDARDS (SERIES 1926) AND THE APPLICABLE PROVISIONS AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA STANDARDS OF THE WILLIAMS STEGER OCCUPATIONAL HEALTH STATE AND SAFETY ACT
- 2,2 BONDING AND LICENSING: THE CONTRACTOR AND HIS INDIVIDUAL SUBCONTRACTORS PRIOR TO THE COMMENCEMENT OF WORK SHALL OBTAIN ALL APPLICABLE CITY PERMITS, LICENSES AND BONDS.
- 2.3 THE CONTRACTOR SHALL PERFORM ALL WORK INDICATED OR IMPLIED IN THE CONTRACT DOCUMENTS. ALL WORK NOT SPECIFIED, BUT REQUIRED TO COMPLETE THE PROJECT, INCLUDING ACCESSORIES AND APPURTENANCES, SHALL BE PERFORMED BY THE CONTRACTOR IN A SATISFACTORY MANNER. TREE TRIMMING OR TREE REMOVAL SHALL BE PERFORMED BY A LICENSED ARBORIST, AND APPROVED BY THE ENGINEER OR SENDINGERS OF SENDI
- 2.4 ELECTRIC, TELEPHONE, NATURAL GAS AND OTHER UTILITY COMPANIES HAVE UNDERGROUND AND/OR OVERHEAD SERVICE FACILITIES IN THE VICINITY OF THE PROPOSED WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR MAINTENNANCE AND PRESERVATION OF THE FACILITIES. THE CONTRACTOR SHALL CALL JULLIE. AT 800-892-0123 FOR UTILITY LOCATIONS.
- 2.5 NEITHER THE ENGINEER NOR THE CITY OF BATAVIA ARE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY CONTRACTOR.
- 2.6 THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS. SPECIAL ATTENTION IS DRAWN TO THE FACT THAT THE ARTICLE 105.06 OF THE LD.O.T. STANDARD SPECIFICATIONS REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES INRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE ABLE TO SPEAK ENCLISH. HE SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT, AND SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVE CONTROL OF ALL WORK AS THE AGENT OF THE CONTRACTOR, FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 109.08.
- 2.7 THE CONTRACTOR, ENGINEER AND DEVELOPER SHALL BE RESPONSIBLE FOR THEIR OWN RESPECTIVE AGENTS AND EMPLOYEES.
- 2.8 IN THE EVENT OF A DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR OUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
- 2.9 IN THE EVENT OF CONFLICTING SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
- 2.10 PRIOR TO THE START OF CONSTRUCTION, THE ENGINEER, THE PROJECT ENGINEER AND THE GENERAL CONTRACTOR SHALL ATTEND A PRECONSTRUCTION MEETING. THE PURPOSE OF THE MEETING IS TO REVIEW ACCEPTABLE SITE DEVELOPMENT AND CONSTRUCTION PRACTICES IN ACCORDANCE WITH THE CONSTRUCTION CONTROL PLAN AND CITY ORDINANCES AND POLICIES.
- 2.11GRANULAR TRENCH BACKFILL: ALL TRENCH SECTIONS FOR STORM SEWERS, SANITARY SEWERS, WATER MAINS, ELECTRICAL CONDUITS AND ALL OTHER UNDERGROUND SERVICE LINES LOCATED WITHIN EXISTING AND PROPOSED PAVEMENT AREAS OR AS OTHERWISE NOTED ON THE PLAN SHALL BE BACKFILLED TO THE PROPER SUBGRADE WITH SELECTED GRANULAR TRENCH BACKFILL MATERIAL CA-6 CRUSHED LIMESTONE. THE GRANULAR TRENCH MATERIAL SHALL BE PLACED IN LAYERS NO THICKER THAN TWELVE INCHES AND THOROUGHLY COMPACTED IN PLACE ACCORD TO I.D.O.T. STANDARD SPECIFICATIONS METHOD 1. USE CA-7 OPEN GRADED FOR PERFORATED PVC, CATCH BASINS AND INLETS.
- 2.12FINAL ADJUSTMENTS OF FRAMES, LIDS AND GRATES; THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING AND ADJUSTING FRAMES AND GRATES ON MANHOLES, INLETS AND VALUES TO THEIR FINISHED ELEVATIONS OR AS DIRECTED BY THE ENGINEER.
- 2.13EXISTING STREET CLEANLINESS: THE CONTRACTOR(S) SHALL KEEP EXISTING ADJACENT STREET PAVEMENTS CLEAN OF DIRT AND DEBRIS, CLEAN PAVEMENTS ON A DAILY BASIS OR MORE OFTEN WHEN NECESSARY AS DIRECTED BY THE ENGINEER.

USE OF CCDD FILL OPERATIONS, PER PUBLIC ACT 97-0137, IF THE CONTRACTOR CHOOSES TO DISPOSE OF UNCONTAMINATED SOIL OR UNCONTAMINATED SOIL MIXED WITH CLEAN CONSTRUCTION AND DEMOLITION DEBRIS (CCDD) AT A CCDD FILL OPERATION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM ALL NECESSARY FIELD AND LABORATORY ANALYSIS AND TO OBTAIN THE LICENSED PROFESSIONAL ENGINEERY'S SCRIFFICATION REQUIRED AS PER PUBLIC ACT 96-1416 TO USE THE SITE.THIS WORK SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION OR RELATED EXCAVATION OR REMOVAL ITEM, AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED. COMPENSATION WILL BE PROVIDED.

- 2.14 CONCRETE: ALL CONCRETE USED IN CONSTRUCTING THE IMPROVEMENTS SHALL BE CLASS "SI". SIX (6) BAG MIX, AND SHALL HAVE A COMPRESSIVE STRENGTH OF 3500 PSI AFTER 14 DAYS.
- 2.15 UNDERGROUND UTILITY INSPECTION: PRIOR TO THE PLACEMENT OF BACKFILL, THE INSTALLATION OF ALL UNDERGROUND UTILITY LINES SHALL BE INSPECTED AND APPROVED BY THE ENGINEER.
- 2.16 EXISTING FIELD TILES: THE LOCATION OF ANY EXISTING FIELD TILES ENCOUNTERED DURING EXCAVATION SHOULD IMMEDIATELY BE FLAGGED ONSITE AND MARKED ON THE CONTRACTOR'S RECORD PLAN SET. THE CONTRACTOR SHALL RECORNECT ALL FIELD TILE OF THE PROPOSED STORM SEWER SYSTEM IN A MANNER ACCOUNTED THE TILE STORMER. ACCEPTABLE TO THE ENGINEER.
- 2.17 BEFORE ACCEPTANCE BY THE ENGINEER AND FINAL PAYMENTS, ALL WORK SHALL E INSPECTED AND APPROVED BY THE ENGINEER OR HIS REPRESENTATIVE. EASEMENT THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE AND UTILITIES WITHIN DIED RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS.
- 2.18 UNLAWFUL ACTIVITIES—PRAINAGE FACILITIES—EARTHEN BERMS: IT IS UNLAWFUL FOR ANY PERSON TO CONSTRUCT OR CAUSE TO BE CONSTRUCTED ANY DRAINAGE FACILITY FOR THE PURPOSE OF THE DETENTION OR RETENTION OF WATER WITHIN A DISTANCE OF 10 FEET PLUS ONE AND ONE-HALF TIMES THE DEPTH OF ANY DRAINAGE FACILITY ADJACENT TO THE RIGHT OF WAY OF ANY PUBLIC HIGHWAY WITHOUT THE WRITTEN PERMISSION OF THE HIGHWAY AUTHORITY HAVING JURISDICTION OVER THE PUBLIC HIGHWAY. IT IS UNLAWFUL FOR ANY PERSON TO CONSTRUCT OR CAUSE TO BE CONSTRUCTED ANY EARTHEN BERM SUCH THAT THE TOE OF SUCH BERM WILL BE NEARER THAN THAN 10 FEET TO THE RIGHT-OF-WAY OF ANY PUBLIC HIGHWAY WITHOUT THE WRITTEN PERMISSION OF THE HIGHWAY AUTHORITY HAVING JURISDICTION OVER THE PUBLIC HIGHWAY.
- 2.19 CONTACT DON CHIARUGI, THE TRAFFIC FIELD ENGINEER AT (847)-741-9857 TWO WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 2.20 THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847)-205-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

  2.21 ANY WASTE GENERATED AS A SPECIAL WASTE OR A WASTE NOT CERTIFIED AS A NON-SPECIAL WASTE FROM THIS PROJECT SHOULD BE MANIFESTED OFF-SITE USING THE GENERATOR NUMBER ASSOCIATED WITH KANE COUNTY. THE GENERATOR NUMBER SOCIATED WITH KANE COUNTY. THE GENERATOR NUMBER FOR KANE COUNTY IS 089895009.

WORK UNDER THIS SECTION SHALL INCLUDE BUT NOT LIMITED TO THE FOLLOWING

- CLEARING AND REMOVAL OF ALL UNDESIRABLE TREES AND OTHER VEGETATIVE GROWTH WITHIN THE CONSTRUCTION AREA IS INCIDENTAL. TREE REMOVAL AS DESIGNATED BY AND APPROVED BY THE ENGINEER SHALL BE KEPT TO A MINIMUM. THE ENGINEER WILL NOT PERMIT THE ONSITE BURIAL OF TREES, BRUSH, MISC. CONCRETE AND ETC.
- 3.2 PRIOR TO ONSET OF MASS CRADING OPERATIONS THE EARTHWORK CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SOIL EROSION CONTROL SPECIFICATIONS. THE INITIAL IMPLEMENTATION OF EROSION CONTROL PROCEDURES AND THE PLACEMENT OF FILTER FENCING, ETC., TO PROTECT ADJACEDT PROPERTIES, SHALL OCCUR BEFORE MASS GRADING BEGINS, IN ACCORDANCE WITH THE SOIL EROSION CONTROL CONSTRUCTION SCHEDULE T
- 3.3 ALL TESTING, INSPECTION AND SUPERVISION OF SOIL QUALITY, THE REMOVAL AND REPLACEMENT OF UNSUITABLE SOIL AND OTHER SOILS RELATED OPERATIONS SHALL BE ENTIRELY THE RESPONSIBILITY OF THE SOILS ENGINEER, HE OR HIS REPRESENTATIVE WILL CLOSELY SUPERVISE AND INSPECT THE GRADING OPERATIONS, PARTICULARLY DURING REMOVAL OF UNSUITABLE MATERIAL AND THE CONSTRUCTION OF EMBANKMENTS.
- 3.4 THE GRADING AND CONSTRUCTION OF THE SITE IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORMWATER. ALL AREAS ADJACENT TO THESE IMPROVEMENTS SHALL BE GRADED TO ALLOW POSITIVE DRAINAGE.
- 3.5 THE PROPOSED GRADING ELEVATIONS SHOWN ON THE PLANS ARE FINISH GRADES. A MINIMUM OF FOUR INCHES (4") INCHES OF TOPSOIL IS TO BE PLACED BEFORE FINISH GRADE ELEVATIONS ARE ACHIEVED.
- 3.6 THE SELECTED STRUCTURAL FILL MATERIAL SHALL BE PLACED IN LEYEL UNIFORM LAYERS SO THAT THE COMPACTED THICKNESS IS APPROXIMATELY SIX INCHES (6"); IF COMPACTION EQUIPMENT DEMONSTRATED THE ABILITY TO COMPACT GREATER THICKNESSES, THEN A GREATER THICKNESS MAY BE SPECIFIED, EACH LAYER SHALL BE THOROUGHLY MIXED DURING SPREADING TO INSURE UNIFORMITY.
- 3.7 EMBANKMENT MATERIAL WITHIN ROADWAY, PARKING LANES AND OTHER STRUCTURAL CLAY FILL AREAS SHALL BE COMPACTED TO A MINIMUM OF NINETY-FIVE PERCENT (95%) OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM SPECIFICATIONS D-1557 (MODIFIED PROTOTOR METHOD), OR TO OTHER SUCH DENSITY AS MAY BE DETERMINED APPROPRIATE BY THE SOILS ENGINEER, EMBANKMENT MATERIAL FOR BUILDING PADS SHALL BE COMPACTED TO MINIMUM OF NINETY-FIVE PERCENT (95%) OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM DESIGNATION D-1557 (MODIFIED PROCTOR METHOR TO SUCH OTHER DENSITY AS MAY BE DETERMINED APPROPRIATE BY THE SOIL ENGINEER.
- 3.6 EMBANKMENT MATERIAL (RANDOM FILL) WITHIN NON-STRUCTURAL FILL AREAS SHALL BE COMPACTED TO MINIMUM OF INNETLY PERCENT (902) OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM DESIGNATION D-1957 (MODIFIED PROCTOR METHOD).
- 3.9 THE SURFACE VEGETATION, TOPSOIL AND ANY OBVIOUSLY SOFT UNDERLYING SOIL. SHOULD BE STRIPPED FROM ALL AREAS TO RECEIVE CLAY FILL. IF THE UNDERLYING SUBGRADE SOILS RUT DEEPER THEN AN INCH UNDER THE CONSTRUCTION EQUIPMENT OR IF THE MOISTURE CONTENT EXCEEDS THAT NEEDED FOR PROPER COMPACTION, THE SOIL SHALL BE SCARIFIED, DRIED AND RECOMPACTED TO THE REQUIRED SOIL SPECIFICATIONS. (SEE SECTION 212.03 OF THE LO.O.T. SPECIFICATIONS).
- 3.10 ALL PAVEMENT SUBGRADE SHALL HAVE A MINIMUM JBR=3 AS DETERMINED BY THE SOILS ENGINEER WITH RESULTS SUBMITTED TO THE ENGINEER, IF AREAS OF PAVEMENT SUBGRADE ARE ENCOUNTEED WHICH DO NOT PROVIDE A MINIMUM IBR=3, SUBGRADE REPLACEMENT OR PAVEMENT DESIGN REVISIONS SHALL BE PROVIDED WHICH ARE ADEQUATE TO DETAIN EQUIVALENT PAVEMENT STRENGTH, AS DETERMINED BY THE EMPRINED AND COMES EMPORATED.
- 3.11 PRIOR TO UTILITY CONSTRUCTION PROPOSED PAVEMENT AREAS, SIDEWALKS AND YARD/OPEN SPACE AREAS SHALL BE ROUGH EXCAVATED OR FILLED TO PLUS OR MINUS ONE FOOT (1) OF DESIGN SUBGRADE ELEVATION BY THE CONTRACTOR.
- 3.12 THE STREET SUBGRADE SHALL BE SHAPED AND COMPACTED AS SPECIFIED IN SECTION 301 OF THE LD.O.T. SPECIFICATIONS, JUST PRIOR TO THE CONSTRUCTION OF THE BASE COURSE, THE SUBGRADE SHALL BE PROOF-ROLLED AND WITNESSED BY THE ENGINEER AFF IN THE OPINION OF THE ENGINEER AFF SUBGRADE AREAS ARE FOUND TO BE UNSTABLE, THEN SAID AREAS SHALL BE REPROVED AND REPLACED WITH AN ACCEPTABLE GRANULAR MATERIAL. IF PRECIPITATION OCCURS AFTER THE SUBGRADE PROOF-ROLLING AND BEFORE THE CONSTRUCTION OF THE BASE COURSE, THEN SAID SUBGRADE PROOF-ROLLING SHALL BE REPEATED TO VERIFY THAT THE SUBGRADE IS STABLE, IF AREAS OF THE SUBGRADE ARE FOUND TO BE UNSTABLE FOLLOWING REPLACEMENT WITH ACCEPTABLE GRANULAR MATERIALS THE SOILS ENGINEER AND THE ENGINEER SHALL DETERMINE THE CORRECTIVE ACTION. ENGINEER SHALL DETERMINE THE CORRECTIVE ACTION.
- 3.13 GEOTEXTILE PAVING FABRIC REQUIRED ON ALL STREET SUBGRADE APPLICATIONS AND SHALL CONSIST OF A NONWOVEN GEOTEXTILE FABRIC, 12 OZ/SY MINIMUM.
- 3.14 THE SUBGRADE SHALL MEET MINIMUM STANDARD OF NINETY-FIVE PERCENT (95%) OF THE STANDARD PROCTOR TEST AND SHALL BE TESTED AT 200 FOOT INTERVALS,

- 3.15 AGGREGATE BASE COURSE: AFTER APPROVAL BY THE ENGINEER, THE AGGREGATE BASE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 351 OF THE L.D.O.T. STANDARD SPECIFICATIONS FOR TYPE A OR TYPE B CONSTRUCTION, THE MATERIAL SHALL BE CRUSHED LIMESTONE CONFORMING TO CA-6 GRADATION, THE MINIMAM COMPACTED THICKNESS SHALL BE AS SHOWN ON THE TYPICAL CROSS-SECTION DETAIL. THE AGGREGATE BASE SHALL BE PROOF-ROLLED ONE DAY PRIOR TO PLANNED APPLICATION OF THE PRIME COAT AND BINDER COURSE, IF, IN THE OPPLICION OF THE ENGINEER THE AGGREGATE BASE INSTABLE, IT SHALL BE REMOVED AND REPLACED WITH NEW SUBBASE AND AGGREGATE BASE SEMATERS MATERIAL AND COMPACTED TO NOT LESS THAN NINETY-FIVE PERCENT (95%) OF THE STANDARD LABORATORY DENSITY.
- 3.16 AFTER COMPLETION OF ALL UTLITIES IN THE RIGHT OF WAY THE PARKWAYS SHALL BE TOPSOILED AND SEEDED.

### 4. STORM SEWER CONSTRUCTION

- 4.1 STORM SEWER SHALL TYPICALLY BE REINFORCED CONCRETE SEWER PIPE, CLASS III OR IV AS NOTED, COMFORMING TO ASIM C-76 SPECIFICATIONS WITH MASTIC SEALED JOINTS, WHERE HORIZONTAL SEPARATION FROM WATER MAIN CONTROLS, PVC STORM SEWER OF WATER MAIN QUALITY SHALL BE USED, WITH JOINTS CONFORMING TO ASTM D-2855. NO ALTERNATE PIPE MATERIAL, SUCH AS PVC OR ADS PLASTIC, ETC., SHALL BE CONSIDERED ACCEPTABLE FOR THE MAIN STORM SEWER LINES WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
- 4.2 FRAMES, LIDS AND GRATES DESIGNATED ON THE PLANS FOR STORM SEWER INLETS, MANHOLES AND JUNCTION BOXES SHALL CONFORM TO THE FOLLOWING OR AN APPROVED EQUAL:

CURB INLET E.J. 7220 TYPE 1 CURB BACK, TYPE M1 GRATE E.J. 1020 TYPE M1 OR TYPE A GRATE MANHOLE YARD INLET E.J. 6527
JUNCTION BOX E.J. 1020 TYPE M1 OR TYPE A GRATE

THE WORDS "CITY OF BATAVIA", "STORM" SHALL BE CAST INTO THE LID.

- MANHOLES TYPE "C" MANHOLES DESIGNATED ON THE PLANS AS TYPE "C" ARE SHALLOW DEPTH MANHOLES WITH A REINFORCED CONCRETE FLAT SLAB TOP. THE DEPTH OF THE FLAT SLAB TOP TO BE 6 INCHES.
- POURED INVERTS: ALL INLETS, CATCH BASINS, STORM MANHOLES AND OTHER DRAINAGE STRUCTURES SHALL BE PROVIDED WITH PRECAST CONCRETE INVERTS OR SHALL HAVE POURED IN PLACE CONCRETE INVERTS CONFORMING TO THE SHAPE OF THE PIPE OR AS OTHERWISE SHOWN ON THE PLANS, POURED IN PLACE CONCRETE SHALL BE CLASS "SI" SHAPED AND TROWELED FOR A SMOOTH FINISH.

### 5. SANITARY SEWER CONSTRUCTION

- 5.1 SEWER PIPE AND FITTINGS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS EXCEPT AS APPROVED BY THE ENGINEER:
  - BETWEEN DEPTHS OF SIX FEET (6') AND FOURTEEN FEET (14'), PVC PIPE ASTM D-3034 SDR 26 SHALL BE REQURIED. (ORD. 97-32, 6-2-1997)
- FOR DEPTHS SHALLOWER THAN SIX FEET (6') OR DEEPER THAN FOURTEEN FEET (14'
  DUCTILE IRON PIPE, ASTM C151, CLASS 52 WITH PUSH ON JOINTS OR RESTRAINED
  JOINTS WHERE APPLICABLE, PIPE SHALL BE AS MANUFACTURED BY GRIFFIN PIPE
  CO., H2SEWER SAFE DUCTILE IRON OR APPROVED EQUAL, ALL DUCTILE IRON SHALL CO. M2SEMER SAFE DUCTILE IRON OR APPROVED EQUAL. ALL DUCTILE IRON SHALL INCLUDE POLY-WARA, ALL PIPE INSTALLED AT DEPTHS GREATER THAN FOURTEEN FEET (14') SHALL BE EVALUATED FOR THICKNESS BY CONSIDERING THE TRENCH LOAD AND INTERNAL PRESSURE SEPARATELY IN ACCORDANCE WITH ANSI/AWWA CISO/A2LS. PRESSURE RATED PIPE, ASTM D-2241, SDR 21 MAY BE SUBSTITUTED FOR BURY DEPTHS FROM FOURTEEN FEET (14'), TO TWENTY FEET (20'), PRESSURE RATED PIPE, ASTM D-2241, SDR 3, AWWA C-900, MAY BE REQUIRED OR SUBSTITUTED AT DEPTHS GREATER THAN TWENTY FEET (20'). ANY USE OF PLASTIC PIPE AT THESE DEPTHS SHALL BE WITH THE PERMISSION OF (OR REQUIRED BY) THE ENGINEER. (ORD. 85-21,9-3-1985)
- 3. FOR PIPE TWENTY FOUR INCHES (24") AND LARGER, PIPE SHALL BE AS MANUFACTURED BY GRIFFIN PIPE CO., HZSEWER SAFE DUCTILE OR APPROVED EQUAL. ALL DUCTILE IRON SHALL INCLUDE POLY-WRAP. ALL PIPE GREATER THAN TWENTY FOUR INCHES (24") OIL OR INSTALLED AT DEPTHS GREATER THAN FOURTEEN FEET (14") SHALL BE EVALUATED FOR THICKNESS BY CONSIDERING THE TRENCH LOAD AND INTERNAL PRESSURE SEPARATELY IN ACCORDANCE WITH ANSIZAWWA C150/A215, PRESSURE RATED PIPE ASTN D- 2241 OR AWWA C905, MAYBE REQUIRED (OR SUBSTITUTED) ON LARGE DIA. PIPE BY THE ENGINEER.
- 5.2 MANHOLE FRAMES AND LIDS: THE FRAMES AND LIDS SHALL BE OF THE MANNOLE FRAMES AND LIDS: THE FRAMES AND LIDS SHALL BE UP THE NON-ROCKING AND SELF-SEALING TYPE WITH RUBBER WATERTIGHT GASKET AND SHALL CONFORM TO EAST JORDAN NO 1020 OR AN APPROVED EQUAL. THE LIDS TO BE SOLID WITH CONCEALED PICK HOLE AND WITH THE WORDS "CITY OF BATAVIA" AND "SANITARY SEWER" IN THE CAST IN LID. "INFA-SHIELD", "CANUSA" OR APPROVED EQUAL, CHIMNEY SEALS SHALL BE INSTALLED ON ALL SANITARY SEWER HANDINGS."
- CAPTURES.

  8.3 SEWER PIPE BEDDING AND COVER: ALL SANITARY SEWER PIPE INCLUDING SERVICE LINES SHALL BE BEDDED AND CRADLED TO THE CENTERLINE OF THE PIPE IN SAND OR FINE GRAVEL. FROM THE CENTERLINE OF THE PIPE TO 12 INCHES OVER THE TOP OF THE PIPE, GRANULAR TRENCH BACKFILL MATERIAL SHALL BE HAND PLACED AND COMPACTED. ALL TO THE DETAILS SHOWN ON THE PLANS, PVC PIPE SHALL BE BEDDED AND CRADLED IN ACCORDANCE WITH ASTM D-232 (CLASS I) SPECIFICATIONS. ALL TRENCHES WITHIN STREETS AND FOR SANITARY SEWERS CONSTRUCTED UNDER PROPOSED PAVED AREAS SHALL BE BACKFILLED WITH CA-7 CRUSHED STONE, FLOWABLE FILL IN ACCORDANCE WITH ID.O.T. SPECIAL PROVISION FOR CONTROLED LOWD-STRENGTH MATERIALS (CLSW) MAY BE REQUIRED UNDER CERTAIN CURCUMSTANCES AS DIRECTED BY THE DEPT. OF PUBLIC WORKS OR THE ENGINEER. CA-6 CRUSHED STONE TRENCH BACKFILL (BSZ) COMPACTION & ONE FOOT INTERVALS ACCORDING TO CITY POLICY) OR OTHER SUITABLE TRENCH BACKFILL MAY BE SUSSTITUTED FOR CA-7 LUNDER THE FOLLOWING CONDITIONS: II APPROVED BY STREET DEPARTMENT SUPERINTENDENT AND ENGINEER, 2) ON-SIT APPROVED BY STREET DEPARTMENT SUPERINTENDENT AND ENGINEER, 2) ON-SIT APPROVED STREET DEPARTMENT SUPERINTENDENT AND ENGINEER, 2) ON-SITE INSPECTION OF TRENCH BACKFILL DURING CONSTRUCTION.
- 5.4 SANITARY SEWER SERVICES: SANITARY SEWER STUBS INSTALLED FOR HOUSE SERVICE CONNECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS OR THE STANDARD SPECIFICATIONS. SEWER STUBS SHALL BE EXTENDED TO THE R.O.W. THE EXACT LOCATION SHALL BE DETERMINED IN THE FIELD, AND THE CONSTRUCTED LOCATION ACCURATELY RECORDED AND THE END MARKED WITH A 2°X4° POST PAINTED GREEN. SERVICE LINES SHALL HAVE A MINIMUM SLOPE OF 2 0'X
- 5.5 LEAKAGE TESTING: ALL SANITARY SEWERS SHALL BE TESTED FOR WATERTIGHTNESS BY THE AIR TESTING METHOD SPECIFIED IN THE STANDARD SPECIFICATIONS.

SCALE: NTS

SHEET 2

5.6 DEFLECTION TESTING: ALL SANITARY SEWER MAIN CONSTRUCTED OF PVC PIPE SHALL BE TESTED FOR DEFLECTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

5.7 VACUUM TESTING: VACUUM TESTING SHALL BE CARRIED OUT IMMEDIATELY AFTER ASSEMBLY AND PRIOR TO BACKFILLING. ALL LIFT HOLES SHOULD BE PLUGGED WITH AN APPROVED NON-SHRINK GROUT, OR RUBBER PLUG, NO GROUT WILL BE PLACED IN THE HORIZONTAL JOINTS BEFORE TESTING. ALL PIPES ENTERING THE MANHOLE SHALL BE PLUGGED, TAKING CARE TO SECURLY BRACE THE PLUGS FROM BEING DRAWN INTO THE MANHOLE. A VACUUM OF TEN (ID) INCHES OF MERCURY SHALL BE PLACED ON THE MANHOLE AND THE TIME MEASURED FOR THE VACUUM TO DROP TO NINE (9) INCHES OF MERCURY. THE VACUUM SHALL NOT DROP BELOW NINE (9) INCHES OF MERCURY FOR THE FOILOWING TIME PERSONS DREACH SIZE MANHOLE. FOLLOWING TIME PERIODS FOR EACH SIZE MANHOLE:

SEVENTY-TWO (72) INCHES DIAMETER

NINETY (90) SECONDS

THE VACUUM TESTER SHALL BE MANUFACTURED BY P.A. GLAZIER, INC., WORCESTER, MA. 03613, PHONE (800) 822-6488, OR OTHER TESTING EQUIPMENT MEETING THE SAME STANDARDS, IF APPROVED BY THE CITY DEPARTMENT OF PUBLIC WORKS ALL TESTING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF P.A. GLAZIER, INC. IF TESTING FAILS THE CONTRACTOR SHALL SEAL ALL LEAKS WITH MATERIAL AND METHODS RECOMMENDED BY P.A. GLAZIER, INC. AND RE-TESTED UNTIL ACCEPTABLE. IT IS RECOMMENDED THAT THIS TESTING BE DONE BEFORE BACKFILLING SO THAT ANY LEAKS CAN BE FOUND AND FIXED EXTERNALLY. THE MANHOLE FRAME AND ADJUSTING RINGS SHALL BE IN PLACE WHEN TESTING.

- 5.8 MANHOLES: ALL SANITARY SEWER MANHOLES SHALL BE OF PRECAST CONCRETE CONSTRUCTION, AND SHALL HAVE RUBBER GASKETED COUPLINGS FOR ALL INLET AND OUTLET PIPES. INVERTS SHALL BE PRECAST CONCRETE CONFORMING TO THE SIZE AND SHAPE OF THE SHAPE OF THE PIPE OR POURED IN PLACE CLASS "SI" CONCRETE SHAPED AND TROWELED FOR A SMOOTH FINISH CONFORMING TO THE SIZE AND SHAPE OF THE PIPE. MINIMUM SLOPE ON BENCHES SHALL BE ONE INCH PER FOOT. SEWER DROPS ARE TO BE INSTALLED WHERE INLETS TO MANHOLE ARE GREATER THEN TWO (2) FEET ABOVE THE OUTLET INVERT.
- 5.9 A NON-SHEAR "MISSION" BRAND COUPLING SHALL BE USED WHEN JOINING PIPES MADE OF DISSIMILAR MATERIAL OR WHERE NO "HUB" END EXISTS. PVC TRANSITION FITTINGS SHALL BE USED WHEN JOINING PVC PIPES OF DISSIMILAR MATERIAL SPECIFICATIONS SUCH AS WITH STORM SEWER OR WATER MAIN.

#### 6. SIDEWALK AND CURB CONSTRUCTION

- 6.1 COMBINATION CURB AND GUTTER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 606 OF THE I.D.O.T. STANDARD SPECIFICATIONS. THE CONCRETE CURB AND CUTTER SHALL BE TYPE B6.12 UNLESS DETAILED OTHERWISE IN THE CONSTRUCTION PLANS. THE CONTRACTOR IS CAULTIONED TO REFER TO THE CONSTRUCTION STANDARDS AND THE PAVEMENT CROSS-SECTION TO DETERMINE THE GUTTER FLAC THICKNESS AND THE AGGREGATE BASE COURSE THICKNESS BENEATH THE CURB AND GUTTER. THE CONCRETE SHALL BE CLASS SI. IT SHALL HAVE AN AIR CONTENT OF NOT LESS THAN 5% NOR MORE THAN 7% OF THE VOLUME OF THE CONCRETE. IT SHALL DEVELOP A MINIMUM OF 3,500 PSI COMPRESSIVE STRENGTH AT 14 DAYS. TEST CYLINDERS SHALL BE TAKEN AND THE CERTIFIED COMPRESSION TEST RESULTS SUBMITTED TO THE ENGINEER.
- 6.2 REINFORCING BARS SHALL BE RUN CONTINUOUSLY THROUGH ITS LENGTH, EXCEPT AT EXPANSION JOINTS. AT EACH EXPANSION JOINT PROVIDE TWO 18" LONG NO. 6 SMOOTH BARS WITH EXPANSION CAPS AND 3/4" PREMOLDED, MON-EXTRUDING JOINT FILER, EXPANSION JOINTS ARE TO BE PROVIDED AT ALL RADIUS POINTS, 5' TO 10' EITHER SIDE OF STRUCTURES AND 100' INTERVALS.
- 6.3 CONTRACTION JOINTS SHALL BE SAWED AT A MAXIMUM OF TEN FEET (10') SPACING. THE CONTRACTION JOINTS SHALL BE CUT IN THE UPPER 1/3 OF CURBS AND GUTTERS WITHIN 24 HOURS OF PLACEMENT.
- 6.4 ALL CURB AND GUTTER SHALL BE BROOM FINISHED, FINISHED SURFACES OF ALL NEWLY CONSTRUCTED CURB AND GUTTER SHALL BE COATED WITH ANTI-SPALL AND CURING COMPOUND APPROVED BY THE ENGINEER.
- 6.5 CURING AND PROTECTION OF ALL EXPOSED CONCRETE SURFACES SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. NO HONEYCOMBING OF THE CURB AND GUTTER WILL BE ACCEPTED.
- 6.6 BACKFILLING OF CURBS SHALL BE COMPLETED PRIOR TO PLACEMENT OF ROADWAY BASE-COURSE.
- 6.7 SIDEWALKS SHALL BE FIVE INCHES (5") THICK EXCEPT THRU DRIVEWAYS, HANDICAP RAMPS AND WHERE THE SIDEWALKS IS ADJACENT TO CURB THE THICKNESS IS TO BE SIX INCHES (6"). THE WIDTH OF THE SIDEWALK SHALL BE A MINIMUM OF FIVE FEET (5"). ALL SIDEWALK CONCRETE SHALL DEVELOP A MINIMUM OF 3.500 PSI COMPRESSIVE STRENGTH AT 14 DAYS. CONTRACTION JOINTS SHALL BE SET AT 5 FOOT CENTERS WITH %. "PREMOLDED FIBER EXPANSION JOINTS AT 50 FEET CENTERS, AND WHERE SIDEWALK MEETS THE CURB, A BUILDING, OR ANOTHER SIDEWALK OR AT THE END OF EACH POUR. ALL SIDEWALKS SHALL BE BROOM FINISHED. IF A MANHOLE FRAME FALLS WITHIN THE LIMITS OF A SIDEWALK, A BOX-OUT SECTION SIDEWALK SHALL BE PLACED AROUND FRAME WITH A 1/2" EXPANSION JOINT.
- 6.8 HANDICAP SIDEWALK RAMPS SHALL BE INSTALLED AT ALL SIDEWALK/STREET INTERSECTIONS AS SHOWN ON DETAIL.
- 5.9 SIDEWALK SHALL NOT BE PLACED UNTIL BUILDING CONSTRUCTION HAS BEEN COMPLETED TO THE POINT THAT CONSTRUCTION TRAFFIC NEED NO LONGER CROSS THE SIDEWALK AREA, OR AS OTHERWISE DIRECTED BY THE ENGINEER.

# LIST OF STATE STANDARDS

000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS TEMPORARY EROSION CONTROL SYSTEMS

PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSE PERPENDICULAR CURB RAMPS FOR SIDEWALK DEPRESSED CORNER FOR SIDEWALKS

424021-01 424026-01 ENTRANCE / ALLEY PEDESTRIAN CROSSING 442201-04 CLASS C & D PATCHES

CATCH BASIN, TYPE A CATCH BASIN, TYPE C INLET, TYPE A 602301-03

602401-03 MANHOLE, TYPE A PRECAST REINFORCED CONCRETE FLAT SLAB TOP

MANHOLE STEPS
FRAME AND LIDS, TYPE 1
GRATE, TYPE 8

604036-02 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER 606001-04

CONCRETE CORMS 179E B AND CUMBINATION CONCRETE CUMB AND GUITER
LANE CLOSURE, 21, 2W, SHORT TIME OFFERATIONS
URBAN LANE CLOSURE, 21, 2W, WITH BIOIRECTIONAL LEFT TURN LANE
URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE 701602-06

URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN LAME CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE TRAFFIC CONTROL DEVICES

1441

TYPICAL PAVEMENT MARKINGS 780001-03

781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

> THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SAFETY AS WELL AS SUPERVISION/DIRECTION AND MEANS/METHODS OF CONSTRUCTION

SHORINEERING, LTD. 9675 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500

DESIGNED CUM REVISED DRAWN REVISEO CHECKED / M. REVISED DATE REVISED LOT DARE = 1/4/2013

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**  **GENERAL NOTES, SPECIFICATIONS** AND LANDSCAPE NOTES

OF 88 SHEETS STA.

SHEETS NO. SECTION COUNTY KANE 12-00073-01-TL 88 2 CONTRACT NO. 63763

ILLINOIS FED. AID PROJECT

A:10215.0000;\Civ:I\SEN\_01\_10219.0000;;;a

Ι	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FEDERAL 20% LOGAL LANDSCAPING URBAN	100% STATE SAFETY URBAN	100% LOCAL LOCAL URBAN
+-		TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	170	170		
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	20	20		
	20101100	TREE TRUNK PROTECTION	EACH	14	14		
	20101200	TREE ROOT PRUNING	EACH	10	10		
	20200200	ROOK EXCAVATION			<u> </u>		
			CU YD	57		7	50
1		REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CUYD	30	30		
	20800150	TRENCH BACKFILL	CU YD	7		7	
Ħ	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQYD	90	90		
+	21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	200	200		
				1			
11		SODDING, SALT TOLERANT	SQYD	1050	1050		<u> </u>
*	25200200	SUPPLEMENTAL WATERING	UNIT	60	60		
П	28000510	INLET FILTERS	EACH	30	30	<u></u>	
+	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CUYD	30	30		
H							
$\pm 1$		AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	625	625		
+	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQYD	90	90		
H	35102400	AGGREGATE BASE COURSE, TYPE B 12"	SQ ÝĎ	750	750		
$\dashv$	35300100	PORTLAND CEMENT CONCRETE BASE COURSE 6"	SQ YD	90	90		
1				1			
	;	PORTLAND CEMENT CONCRETE BASE COURSE 7*	SQYD	600	600		
$+\overline{1}$	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	50	50		
Ц	49600100	BITLMINOUS MATERIALS (PRIME COAT)	GALLON	620	190		430
Li		AGGRÉGATE (PRIME COAT)		14	4		10
1.1			TON		[		
+1		POLYMERIZED LEVELING BINDER (MACHINE METHOD). N70	TON	240	50		190
-	40603340	HOT-MIX ASPHALT SURFACE COURSE. MIX "D". N70	TON	540	160		380
$\Box$	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	290	290		
++	42400800	DETECTABLE WARNINGS	SQFT	500	328	132	40
П						134	
$\forall$		PAVEMENT REMOVAL	SCIYD	490	490		
H	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	6675	3075		3600
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	165	107	58	
H	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1585	741	325	519
$\Box$							
╁┼	44000600	SIDEWALK REMOVAL	SQ FT	16525	6408	7553	2564
11	44201692	CLASS D PATCHES, TYPE II, 4 INCH	SO YO	1200	700	300	200
$\Box$	50200400	ROCK EXCAVATION FOR STRUCTURES	CUYD	5		5	
1 1	1	STORM SEWERS, CLASS A. TYPE 2 12"			470		
Ш			FOOT	172	172		
₩	55100500	STORM SEWER REMOVAL 12"	FOOT	137	92		45
1	56100600	WATER MAIN 6"	F007	145			145
1.	56100700	WATER MAIN 8"	FOOT	1345			1345
	Setonann i	WATER MAIN 12"					
1 [			FOOT	160			160
<del>     </del>	56104900	WATER VALVES 6"	EACH	14			14
	56105000	WATER VALVES 8"	EACH	10			10
-	56105200	WATER VALVES 12"	EACH	2			2
П		ADJUSTING SANITARY SEWERS, BINCH DIAMETER OR LESS					
			FOOT	100			100
Π	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	3			3
	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	7			7
L		CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	4	4		
11	ı						
1-1		MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LIO	EACH	2	2		
1 1		· · · · · · · · · · · · · · · · · · ·					
		MANHOLES, TYPE A, 4-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1		
	60219300	MANHOLES, TYPE A, 4-DIAMETER, TYPE 11 FRAME AND GRATE NLETS, TYPE A, TYPE 11 FRAME AND GRATE		1 6	1 6		
	60219300 I	NLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	6			12
	60219380   60236880   60248980	NLETS, TYPE A, TYPE 11 FRAME AND GRATE  VALVE VAULTS, TYPE A, 5-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH EACH	6	6		19
	60219380   60236880   60248980	NLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	6		2	19
	60219380   60236880   60248980   60255500	NLETS, TYPE A, TYPE 11 FRAME AND GRATE  VALVE VAULTS, TYPE A, 5-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH EACH	6	6	2 2	
	602193800   60236800   60248900   60255500   60260100	NLETS, TYPE A, TYPE 11 FRAME AND GRATE  VALVE VALUES, TYPE A, 5-DIAMETER, TYPE 1 FRAME, CLOSED LID  MANHOLES TO BE ADJUSTED  NLETS TO BE ADJUSTED	EACH EACH EACH EACH	6 19 20	5		13
	60219380   60236800   60248900   60255500   60260100   60266600	NLETS, TYPE A, TYPE 11 FRAME AND GRATE  VALVE VAULTS, TYPE A, 5-DIAMETER, TYPE 1 FRAME, CLOSEDLID  MANHOLES TO BE ADJUSTED  NLETS TO BE ADJUSTED  VALVE BOXES TO BE ADJUSTED	EACH EACH EACH EACH	6 19 20 15	5 3		13
	60219360   60236800   60248900   60256500   60266100   60266600   60500040   605000040   6050000040   6050000040   6050000040   6050000040   6050000040   60500000040   60500000040   6050000000040   605000000000000000000000000000000000	NLETS, TYPE A, TYPE 11 FRAME AND GRATE  VALVE VAULTS, TYPE A: 5-DIAMETER, TYPE 1 FRAME, CLOSED LID  MANHOLES TO BE ADJUSTED  VALVE BOXES TO BE ADJUSTED  REMOVING MANHOLES	EACH EACH EACH EACH EACH	6 19 20 15 6 7	5 3 6		13
	60219360   60236800   60248900   60256500   60266100   60266600   60500040   605000040   6050000040   6050000040   6050000040   6050000040   6050000040   60500000040   60500000040   6050000000040   605000000000000000000000000000000000	NLETS, TYPE A, TYPE 11 FRAME AND GRATE  VALVE VAULTS, TYPE A, 5-DIAMETER, TYPE 1 FRAME, CLOSEDLID  MANHOLES TO BE ADJUSTED  NLETS TO BE ADJUSTED  VALVE BOXES TO BE ADJUSTED	EACH EACH EACH EACH	6 19 20 15	5 3		13
	60219390   60236800   60248900   60255500   60266900   60266900   60500040   60500060   605000060   605000600   6050000600   6050000600   6050000600   6050000600   6050000600   6050000000000	NLETS, TYPE A, TYPE 11 FRAME AND GRATE  VALVE VAULTS, TYPE A: 5-DIAMETER, TYPE 1 FRAME, CLOSED LID  MANHOLES TO BE ADJUSTED  VALVE BOXES TO BE ADJUSTED  REMOVING MANHOLES	EACH EACH EACH EACH EACH	6 19 20 15 6 7	5 3 6		13
	60215360   60256800   60256800   60256500   60266600   60266600   60266600   60266600   60266600   60266600   60266600   60266600   60266600   60266600   60266600   60266600   60266600   60266600   60266000   60266000   60266000   60266000   60266000   60266000   60260000   60260000   60260000   60260000   60260000   602600000   602600000   602600000   602600000   602600000   602600000   602600000   602600000   602600000   602600000   602600000   602600000   602600000   6026000000   6026000000   6026000000   6026000000   6026000000   6026000000   6026000000   60260000000   60260000000   60260000000   60260000000   60260000000   602600000000   60260000000000	NLETS, TYPE A, TYPE 11 FRAME AND GRATE  VALVE VAULTS, TYPE A, 5-DIAMETER, TYPE 1 FRAME, CLOSED LID  MANHOLES TO BE ADJUSTED  VALVE BOXES TO BE ADJUSTED  REMOVING MANHOLES  REMOVING MANHOLES  REMOVING MANHOLES	EACH EACH EACH EACH EACH EACH EACH EACH	6 9 9 20 15 6 7 6 6 6	5 3 6 5		13
	60219360   60226800   60248900   60256500   60260100   60266000   602660000   605000000   605000000   605000000   605000000   605000000   605000000   605000000   605000000   605000000   6050000000   6050000000   6050000000   6050000000   6050000000   6050000000   6050000000   6050000000   6050000000   6050000000   6050000000   6050000000   6050000000   6050000000   6050000000   60500000000   60500000000   60500000000   6050000000   60500000000   6050000000   60500000000   60500000000   605000000000   605000000000   60500000000   605000000000   6050000000000	NLETS, TYPE A, TYPE 11 FRAME AND GRATE  VALVE VAULTS, TYPE A, 5-DIAMETER, TYPE 1 FRAME, CLOSED LID  MANHOLES TO BE ADJUSTED  VALVE BOXES TO BE ADJUSTED  REMOVING MANHOLES  REMOVING MANHOLES  REMOVING INLETS  FILLING VALVE VAULTS  ZONGRETE CURB, TYPE 8	EACH EACH EACH EACH EACH EACH EACH EACH	6 19 20 15 6 7 6 6 6 100 100 100 100 100 100 100 100 1	5 3 6 5	2	13 10 7
	60219360   60236900   60266900   60500600   60500605   60600605   60600800   60600000   606000000   606000000   606000000   60600000000	NLETS, TYPE A, TYPE 11 FRAME AND GRATE  VALVE VAULTS, TYPE A, 5-DIAMETER, TYPE 1 FRAME. CLOSED LID  MANHOLES TO BE ADJUSTED  NLETS TO BE ADJUSTED  VALVE BOXES TO BE ADJUSTED  REMOVING MANHOLES  SEMOVING INLETS  FILLING VALVE VAULTS  CONCRETE CURB, TYPE B  CONSINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	EACH EACH EACH EACH EACH EACH EACH EACH	6 9 9 20 15 6 7 6 6 6	5 3 6 5		13
	60219360   60236900   60266900   60500600   60500605   60600605   60600800   60600000   606000000   606000000   606000000   60600000000	NLETS, TYPE A, TYPE 11 FRAME AND GRATE  VALVE VAULTS, TYPE A, 5-DIAMETER, TYPE 1 FRAME, CLOSED LID  MANHOLES TO BE ADJUSTED  VALVE BOXES TO BE ADJUSTED  REMOVING MANHOLES  REMOVING MANHOLES  REMOVING INLETS  FILLING VALVE VAULTS  ZONGRETE CURB, TYPE 8	EACH EACH EACH EACH EACH EACH EACH EACH	6 19 20 15 6 7 6 6 6 100 100 100 100 100 100 100 100 1	5 3 6 5	2	13 10 7
	60219360 ( 60236800 1 60248900 1 60256500 1 60266000 1 60500000 ( 60500000 1 60500000 ( 6050000 ( 6050000 ( 6050000 ( 6050000 ( 6050000 ( 6050000 ( 605000 ( 6050000 ( 6050000 ( 6050000 ( 6050000 ( 6050000 ( 6050000 ( 6050000 ( 6050000 ( 605000 ( 605000 ( 605000 ( 605000 ( 605000 ( 605000 ( 605000 ( 605000 ( 605000 ( 605000 ( 605000 ( 605000 ( 605000 ( 605000 ( 6050 ( 60500 ( 60500 ( 60500 ( 60500 ( 60500 ( 60500 ( 60500 ( 6050	NLETS, TYPE A, TYPE 11 FRAME AND GRATE  VALVE VAULTS, TYPE A, 5-DIAMETER, TYPE 1 FRAME. CLOSED LID  MANHOLES TO BE ADJUSTED  NLETS TO BE ADJUSTED  VALVE BOXES TO BE ADJUSTED  REMOVING MANHOLES  SEMOVING INLETS  FILLING VALVE VAULTS  CONCRETE CURB, TYPE B  CONSINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	EACH EACH EACH EACH EACH EACH EACH EACH	6 19 20 15 6 7 6 6 6 100 2105	5 3 6 5	2 250	13 10 7
	60219360   60236800   60248900   60256000   60266000   60266000   602600000   6026000000   6026000000   6026000000   602600000000   60260000000000	NLETS, TYPE A, TYPE 11 FRAME AND GRATE  VALVE VALUES, TYPE A, 5-DIAMETER, TYPE 1 FRAME, CLOSED LID  MANHOLES TO BE ADJUSTED  NLETS TO BE ADJUSTED  REMOVING MANHOLES  REMOVING MANHOLES  REMOVING INLETS  FILLING VALVE VAULTS  CONCRETE CURB, TYPE B  COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12  COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12	EACH EACH EACH EACH EACH EACH EACH EACH	6 19 20 15 6 7 6 8 100 2105 35	5 3 6 6 100	2 250	13 10 7 6 519

						80% FEDERAL	100% STATE	100% LOCAL
Т	Ţ	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	LANDSCAPING URBAN	SAFETY URBAN	LOCAL URBAN
+	7	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.6	0.3	0.1
1	#	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	0.6	0.3	0.1
$\pm$	$\pm$	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	0.6	0.3	0,1
+	7	70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQFT	500			500
7	_1.		TEMPORARY PAVEMENT MARKING - LINE 4"	1				
				FOOT	8000			8000
+	+	70400100	TEMPORARY CONCRETE BARRIER	FOOT	150			150
Ŧ	1	72000100	SIGN PANEL - TYPE 1	SQFT	59	<u> </u>	59	
#	1	72000200	SIGN PANEL - TYPE 2	SQFT	25	<u> </u>	25	
,	×	78000100	THERMOPLASTIC PAYEMENT MARKING - LETTERS AND SYMBOLS	\$Q FT	200	200		
٦,	ㅗ		THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2200	2200		
Ţ								
ľ	7	-010	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	800	800		
- 3	-		THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	150	150		
'n	×	80400100	ELECTRIC SERVICE INSTALLATION	EACH	3	2	1	
-	۲.	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		)_1	
,	×	80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	2		2	
			UNDERGROUND CONDUIT, GALYANIZED STEEL, 2" DIA.		2123	420		
- 1		ŀ		FOOT		120	2003	
-	-1	- 1	UNDERGROUND CONDUIT. GALVANIZED STEEL, 2,1/2 DIA	FOOT	478	-	478	
1	*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3° DIA	FOOT	258		258	
×	k	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	930	50	880	
*	*	81028260	UNDERGROUND CONDUIT, GALVANIZED STEEL, 6° DIA	FOOT	255	255		
	*	81028910	UNDERGROUND CONDUIT, PVC, 3/4" DIA.	FOOT	450	450		
Ш	Ţ		UNDERGROUND CONDUIT, PVC, 1° DIA.					
Т				FOOT	960	960		
1	1		UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	4970	4970		
- *	*	81028740	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	370	370		
ž	k .	81400100	HANDHOLE	EACH	- 11		11	
*	k .	81400200	HEAVY-DUTY HANDHOLE	EACH	10	2	8	
	*	B1400300	DOUBLE HANDHOLE	EACH	5		5	
┰	Т							
I.	1		UNIT DUCT, 800V, 3-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA, POLYETHYLENE	FOOT	702	·	702	
- 4	*	81702110	ELECTRIC CABLE IN CONDUIT, 800V (XLP-TYPE USE) 1/C NO. 10	FOOT	5137	5100	37	
- 4	K .	817.02130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO, 6	FOOT	20600	20600		
7	k I	81702140	ELECTRIC CABLE IN CONDUIT, 606V (XLP-TYPE USE) 1/C NO. 4	FOOT	7750	7750		
k	k :	81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOCT	400	400		
*		- 1	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 8	FOOT	37		37	
Ę	Т						31	··· ··· · · · · · · · · · · · · · · ·
	_1		LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 200AMP	EACH	1	1		
*	4	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	20	20		
Ä	١	84200804	REMOVAL OF POLE FOUNDATION	EACH	20	20		
*	k (	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		<del>:</del>	
	1	85100500	PAINT NEW TRAFFIC SIGNAL POST	EACH	15			15
	1		PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT					
1	•			EACH	7			
	1		PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	†			1
Т	Т		FRANSCEIVER - FIBER OPTIC	EACH	2		2	
×		37300925	LECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2386		2386	
ì	1	37301215	ELECTRIC CABLE IN CONDUIT. SIGNAL NO. 14 2C	FOOT	2930		2930	
*	+	37301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 30	FOOT	3790		3790	
	1		ELECTRIC CABLE IN CONDUIT, SIGNALING, 14 5C	FOOT	2047		2047	
T	1		ELECTRIC CABLE IN CONDUIT. SIGNAL NO. 1470					
L	1			FOOT .	3747		3747	
1	1	A	LECTRIC CABLE IN CONDUIT, LEAD-IN, NO, 14.1 PAIR	FOOT	5646		5645	
*	1	37301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	49		49	
×		37301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1503		1503	
ķ	+	37502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1		1	
1			TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1		1	
1			CONCRETE FOUNDATION, TYPE A					
Г				FOOT	32		32	
T	T		CONCRETE FOUNDATION, TYPE C	FOOT	. 8		8	
×		7800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	47		47	
	k 8	38030020	SIGNAL HEAD, LED. 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	9		9	
*	.1	8030100	SIGNAL HEAD, LED. 1-FACE, S-SECTION, BRACKET MOUNTED	ÉACH	7		7	
1	T							
*	1		SIGNAL HEAD, 1-FACE, 5-SECTION, MAST-ARM MOUNTED					
*	4.	8030110	SIGNAL HEAD, LED, 1-FAGE, 5-SECTION, MAST-ARM MOUNTED	EACH	9			
*		8030110 s	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1		1	
* *		88030110 s 8030220 s 88102717 a						

CHRISTOPHER B. BURKE

EMGINEERING, LTD.
9575 W. Higgins Road, Suite 600
975 W. Higgins Road, Suite 600
976 W. Higgins Road, Suite 600
976 W. FLOT SCALE . 1'
976 DATE - 11/25/2012

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

 SUMMARY OF QUANTITIES
 RTE. | S
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 441 | 12-0

 SCALE: NTS | SHEET 4 | OF 88 | SHEETS | STA. | TO STA.
 TO STA.
 TO STA.

F.A.U SECTION COUNTY TOTAL SHEET NO. [441 12-00073-01-TL KANE 88 4 CONTRACT NO. 63763

	CODE NO.	ITEM	UNIT	TOTAL	80% FEDERAL LANDSCAPING	SAFETY	100% LÓCAL LOCAL URBAN
×	88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	ÉÁCH	QUANTITY 18	URBAN	URBAN 18	URBAN
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	23		23	
×	88600100	DETECTOR LOOP, TYPE (	F007	1436	ł	1436	
*	88700200	LIGHT DETECTOR	EACH	4			A
*	1	LIGHT DETECTOR AMPLIFIER			<u> </u>		
ı,	l .		EACH	2			2
- 1		PEDESTRIAN PUSH-BUTTON	EACH	16		16	
*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2		2	
X	89602300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	926		926	
×	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2	<del></del>	2	
+	89502380	REMOVE EXISTING HANDHOLE	EACH	26	10	15	
*	89502382	REMOVE EXISTING DOUBLE HANDHOLE					
			EACH	2		2	
*		REMOVE EXISTING CONCRETE FOUNDATION	EACH	17		17	
╀	A2002524	TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 3" CALIPER, BALLED AND BURLAPPED	EACH	7	7		
-	A2002884	TREE, CELTIS OCCIDENTALIS CHICAGOLAND, (CHICAGOLAND HACKBERRY), 3° CALIPER, BALLED AND BURLAPPED	EACH	2	2		
1	A2004424	TREE, GINKGO BILOBA (GINKGO), 3" CALIPER, BALLED AND BURLAPPED	EACH	2	2		
-	A2004621	TREE, GLEDITSIA TRIACANTHOS VAR. INERMIS IMPERIAL (IMPERIAL THORNLESS HONEYLOCUST), 3" CALIPER, BALLED AND	ÉACH	4	4		
Ţ.		TREE, GLEDITSIA TRIACANTHOS INERMIS SHADEMASTER (SHADEMASTER THORNLESS COMMON HONEYLOCUST), 3° CALIPER.					
			EACH"	3	3		
Ť		TREE, QUERCUS MACROCARPA (BUR OAK), 3" CALIPER, BALLED AND BURLAPPED	EACH	6	6		
F	A2007253	TREE. ROBINA PSUEDCACACIA "CHICAGO BLUES" (CHICAGO BLUES BLACK LOCUST), 3" CALIPER, BALLED AND BURLAPPED	EACH	ż	2		
1	A2008618	TREE, ULMUS MORTON GLOSSY (TRIUMPH ELM), 3" CALIPER, BALLED AND BURLAPPED	EACH	2	2		
1.	B2006322	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 3° CALIPER, BALLED AND BURLAPPED	EACH	2	2		
1.		SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 5-GALLON	EACH	21	21		
1							
		SHRUB, ROSA RUGOSA 'FLOWER CARPET WHITE' (FLOWER CARPET WHITE ROSE), 5-GALLON	EACH	23	23		
*	C20154G8	SHRUB, JUNIPERUS VIRGINIANA 'BLUE MOUNTAIN' IBLUE MOUNTAIN JUNIPER), 5-GALLON	EACH	11	11		
*	K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	13.3	13.3		
ŀ	K1001988	IRRIGATION SYSTEM SPECIAL	LSUM	1	1		1
+	K1003679	MULCH	GU YO	35	35		
Ţ	X0300636	DI AMTED	EACH	22			22
‡							
L		RETAINING WALL REMOVAL	SO FT	160	160		
+	X3323760	SANITARY SEWER SERVICE, 6" PVC, COMPLETE	EACH	35			35
	X0323577	SANITARY SEWER TELEVISION INSPECTION, VIDEOTAPING AND RECORDING	FOOT	1200			1200
	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	701			701
+	X0326498	GFCI 20 AMP DUPLEX RECEPTACLE	EACH	19	19		
		ORNAMENTAL LIGHT UNIT, COMPLETE					
			EACH	12	12		
		CURED-IN-PLACE PIPE LINER, 24"	FOOT	66			66
1	X032729 <b>8</b>	REMOVE AND RELOCATE LIGHTING SYSTEM	LSUM	1			· · · · · · ·
	X0327368	SANITARY SEWER, DUCTILE IRON, 12"	FOOT	281			281
1	X0487800	SANTARY SEWER REMOVAL 12"	FOOT	281			281
Н	X0540000	BRICK PAVERS	SO FT	13152	5020	8132	
		TRENCH BÄCKFILL, SPECIAL	CUYD	1700	400		1300
		PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH. SPECIAL				1000	1500
			SQ FT	7665	3045	4623	
1	X5610650	WATER MAIN TO BE ABANDONED	L SUM				1
1 1			=				4
1	X6026052	SANITARY MANHOLES FRAME AND ADJUSTMENT SEALING	EACH	4			
ш		SANITARY MANHOLES FRAME AND ADJUSTMENT SEALING SANITARY MANHOLE, SPECIAL	EACH	4 5			5
-	X6026055	SANITARY MANHOLE, SPECIAL	EACH	5			51
-	X6026055 X6026622	SANITARY MANHOLE, SPECIAL. VALVÉ VAULTS TO BE REMOVED	EACH EACH	5	10		
-	X6026055 X6026622 X8140105	SANITARY MANHOLE, SPECIAL VALVE VAULTS TO BE REMOVED HANDHOLE (SPECIAL)	EACH EACH EACH	1 13	13		
*	X6026055 X6026622 X6140105 X6140230	SANITARY MANHOLE, SPECIAL  VALVÉ VAULTS TO BE REMOVED  HANDHOLE (SPECIAL)  HANDHOLE, COMPOSITE CONCRETE (SPECIAL)	EACH EACH EACH EACH	1 13 4	13 4		
	X6026055 X6026622 X8140105 X8140230 X8250091	SANITARY MANHOLE, SPECIAL  VALVÉ VAULTS TO BE REMOVED  HANDHOLE (SPECIAL)  HANDHOLE (SOMPOSITE CONCRETE (SPECIAL)  COMBINATION LIGHTING CONTROLLER	EACH EACH EACH	1 13		2	
	X6026055 X6026622 X8140105 X8140230 X8250091	SANITARY MANHOLE, SPECIAL  VALVÉ VAULTS TO BE REMOVED  HANDHOLE (SPECIAL)  HANDHOLE, COMPOSITE CONCRETE (SPECIAL)	EACH EACH EACH EACH	1 13 4		2	
* · ·	X6026055 X6026622 X6140105 X6140230 X6250091 X6250210	SANITARY MANHOLE, SPECIAL  VALVÉ VAULTS TO BE REMOVED  HANDHOLE (SPECIAL)  HANDHOLE (SOMPOSITE CONCRETE (SPECIAL)  COMBINATION LIGHTING CONTROLLER	EACH EACH EACH EACH	5 1 13 4 4	4	2	
x	X6026055 X6026622 X6140105 X6140230 X6250091 X6250210 X8250500	SANITARY MANHOLE, SPECIAL  VALVÉ VAULTS TO BE REMOVED  HANDHOLE (SPECIAL)  HANDHOLE, COMPOSITE CONCRETE (SPECIAL)  COMBINATION LIGHTING CONTROLLER  PHOTOCELL RELAY  LIGHTING UNIT COMPLETE, SPECIAL	EACH EACH EACH EACH EACH EACH	5 1 13 4 2 11	11 12	2	
x	X6026055 X6026622 X8140105 X6140230 X8250091 X8250210 X8250500 X8360110	SANITARY MANHOLE, SPECIAL  VALVE VAULTS TO BE REMOVED  HANDHOLE (SPECIAL)  HANDHOLE (COMPOSITE CONCRETE (SPECIAL)  COMBINATION LIGHTING CONTROLLER  PHOTOCELL RELAY  LIGHTING UNIT COMPLETE, SPECIAL  LIGHT POLE FOUNDATION SPECIAL	EACH EACH EACH EACH EACH EACH EACH EACH	5 1 13 4 2 11 11 12	11 12 60	2	
* * * * * * * * * * * * * * * * * * *	X6026055 X6026622 X8140105 X6140230 X6250091 X8250210 X8250500 X8360210 X8360210	SANITARY MANHOLE, SPECIAL  VALVE VAULTS TO BE REMOVED  HANDHOLE (SPECIAL)  LANDHOLE, COMPOSITE CONCRETE (SPECIAL)  COMBINATION LIGHTING CONTROLLER  PHOTOCELL RELAY  LIGHTING UNIT COMPLETE, SPECIAL  LIGHT POLE FOUNDATION SPECIAL  LIGHT POLE FOUNDATION SPECIAL  LIGHT POLE FOUNDATION 24" DIAMETER, SPECIAL	EACH EACH EACH EACH EACH EACH EACH EACH	1 1 13 13 4 4 2 11 11 12 60 86	11 12 80 88	2	
*   *   *   *   *   *   *   *   *   *	X6026055 X6026022 X8140105 X8140230 X8250091 X8250091 X8250500 X8360210 X8360215	SANITARY MANHOLE, SPECIAL  VALVÉ VAULTS TO BE REMOVED  HANDHOLE (SPECIAL)  HANDHOLE (COMPOSITE CONCRETE (SPECIAL)  COMBINATION LIGHTING CONTROLLER  PHOTOCELL RELAY  LIGHTING UNIT COMPLETE, SPECIAL  LIGHT POLE FOUNDATION, SPECIAL  LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL  LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL  LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL	EACH EACH EACH EACH EACH EACH EACH EACH	5 1 13 4 2 11 12 60 86 29	11 12 60	2	
*   *   *   *   *   *   *   *   *   *	X6026055 X6026022 X8140105 X8140230 X8250091 X8250091 X8250500 X8360210 X8360215	SANITARY MANHOLE, SPECIAL  VALVE VAULTS TO BE REMOVED  HANDHOLE (SPECIAL)  LANDHOLE, COMPOSITE CONCRETE (SPECIAL)  COMBINATION LIGHTING CONTROLLER  PHOTOCELL RELAY  LIGHTING UNIT COMPLETE, SPECIAL  LIGHT POLE FOUNDATION SPECIAL  LIGHT POLE FOUNDATION SPECIAL  LIGHT POLE FOUNDATION 24" DIAMETER, SPECIAL	EACH EACH EACH EACH EACH EACH EACH EACH	1 1 13 13 4 4 2 11 11 12 60 86	11 12 80 88	2	
x x x x x x x x x x x x x x x x x x x	X6026055 X6926622 X8140105 X6140230 X8250091 X8250210 X8250500 X8360210 X8360215 X8410116	SANITARY MANHOLE, SPECIAL  VALVÉ VAULTS TO BE REMOVED  HANDHOLE (SPECIAL)  HANDHOLE (COMPOSITE CONCRETE (SPECIAL)  COMBINATION LIGHTING CONTROLLER  PHOTOCELL RELAY  LIGHTING UNIT COMPLETE, SPECIAL  LIGHT POLE FOUNDATION, SPECIAL  LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL  LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL  LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL	EACH EACH EACH EACH EACH EACH EACH EACH	5 1 13 4 2 11 12 60 86 29	11 12 60 88 29	2	
x x x x x x x x x x x x x x x x x x x	X6026055 X6026622 X6140105 X6140230 X6250091 X6250210 X8250500 X8360110 X8360215 X8410116 X8570226	SANITARY MANHOLE, SPECIAL  VALVE VAULTS TO BE REMOVED  HANDHOLE (SPECIAL)  COMBINATION LIGHTING CONCRETE (SPECIAL)  COMBINATION LIGHTING CONTROLLER  PHOTOCELL RELAY  LIGHTING UNIT COMPLETE, SPECIAL  LIGHT POLE FOUNDATION, SPECIAL  LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL	EACH EACH EACH EACH EACH EACH FOOT FOOT L SUM EACH	5 1 13 4 2 11 12 60 60 68 29	11 12 60 88 29		
x	X6026055 X6026622 X6140105 X6140230 X6250091 X6250210 X8250500 X8360110 X8360215 X8410116 X8570226 X85620200	SANITARY MANHOLE, SPECIAL  VALVÉ VAULTS TO BE REMOVED  HANDHOLE (SPECIAL)  COMBINATION LIGHTING CONCRETE (SPECIAL)  COMBINATION LIGHTING CONTROLLER  PHOTOCELL RELAY  LIGHTING UNIT COMPLETE, SPECIAL  LIGHT POLE FOUNDATION. SPECIAL  LIGHT POLE FOUNDATION. 24" DIAMETER, SPECIAL  LIGHT POLE FOUNDATION	EACH EACH EACH EACH EACH EACH EACH FOOT FOOT L SUM EACH EACH	5 1 13 4 2 11 12 60 88 29 1 1	11 12 60 88 29	2	
	X6026055 X6026622 X8140105 X6140230 X6250091 X8250091 X8250210 X8360210 X8360215 X8410116 X8570228 X8570228 X8570228 X8710024	SANITARY MANHOLE, SPECIAL  VALVE VAULTS TO BE REMOVED  HANDHOLE (SPECIAL)  COMBINATION LIGHTING CONCRETE (SPECIAL)  COMBINATION LIGHTING CONTROLLER  PHOTOCELL RELAY  LIGHTING UNIT COMPLETE, SPECIAL  LIGHT POLE FOUNDATION SPECIAL  LIGHT POLE FOUNDATION 24" DIAMETER, SPECIAL  LIGHT POLE FOUNDATION 24" DIAMETER, SPECIAL  LIGHT POLE FOUNDATION 24" DIAMETER, OFFSET  MAINTENANCE OF TEMPORARY LIGHTING SYSTEM  FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL  UNINTERRUPTABLE POWER SUPPLY, SPECIAL  FIBER OPTIC CABLE IN CONDUIT, NO, 82 5/125, MM12F SM24F	EACH EACH EACH EACH EACH EACH EACH EACH	5 1 13 4 2 11 12 60 86 29 1 1 2 2 2, 2432	11 12 60 88 29	2 2 2432	
	X6026055 X6026622 X6140105 X6140230 X6250091 X8250010 X8250500 X8360110 X8360210 X8360210 X8370226 X8570226 X8710024 X8770123	SANITARY MANHOLE, SPECIAL  VALVE VAULTS TO BE REMOVED  HANDHOLE (SPECIAL)  COMBINATION LIGHTING CONCRETE (SPECIAL)  COMBINATION LIGHTING CONTROLLER  PHOTOCELL RELAY  LIGHTING UNIT COMPLETE, SPECIAL  LIGHT POLE FOUNDATION SPECIAL  LIGHT POLE FOUNDATION 24" DIAMETER, SPECIAL  LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL  JULI-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL  JUNITERRUPTABLE FOWER SUPPLY, SPECIAL  STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 24 FT, (SPECIAL)	EACH EACH EACH EACH EACH EACH EACH EACH	5 1 13 4 2 11 12 60 86 29 1 2 2 2 2432	11 12 60 88 29	2 2 2 2432 2	
	X6026055 X6026622 X6140105 X6140230 X6250091 X8250010 X8250500 X8360110 X8360210 X8360210 X8370226 X8570226 X8710024 X8770123	SANITARY MANHOLE, SPECIAL  VALVE VAULTS TO BE REMOVED  HANDHOLE (SPECIAL)  COMBINATION LIGHTING CONCRETE (SPECIAL)  COMBINATION LIGHTING CONTROLLER  PHOTOCELL RELAY  LIGHTING UNIT COMPLETE, SPECIAL  LIGHT POLE FOUNDATION SPECIAL  LIGHT POLE FOUNDATION 24" DIAMETER, SPECIAL  LIGHT POLE FOUNDATION 24" DIAMETER, SPECIAL  LIGHT POLE FOUNDATION 24" DIAMETER, OFFSET  MAINTENANCE OF TEMPORARY LIGHTING SYSTEM  FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL  UNINTERRUPTABLE POWER SUPPLY, SPECIAL  FIBER OPTIC CABLE IN CONDUIT, NO, 82 5/125, MM12F SM24F	EACH EACH EACH EACH EACH EACH EACH EACH	5 1 13 4 2 11 12 60 86 29 1 1 2 2 2, 2432	11 12 60 88 29	2 2 2432	
x x x x x x x x x x x x x x x x x x x	X6026055 X6026622 X6140105 X6140230 X6250091 X8250010 X8250500 X8360210 X8360210 X8360210 X8360210 X8370226 X8710024 X8770123 X8772842	SANITARY MANHOLE, SPECIAL  VALVE VAULTS TO BE REMOVED  HANDHOLE (SPECIAL)  COMBINATION LIGHTING CONCRETE (SPECIAL)  COMBINATION LIGHTING CONTROLLER  PHOTOCELL RELAY  LIGHTING UNIT COMPLETE, SPECIAL  LIGHT POLE FOUNDATION SPECIAL  LIGHT POLE FOUNDATION 24" DIAMETER, SPECIAL  LIGHT POLE FOUNDATION, 24" DIAMETER, SPECIAL  JULI-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL  JUNITERRUPTABLE FOWER SUPPLY, SPECIAL  STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 24 FT, (SPECIAL)	EACH EACH EACH EACH EACH EACH EACH EACH	5 1 13 4 2 11 12 60 86 29 1 2 2 2 2432	11 12 60 88 29	2 2 2 2432 2	

1	· · · · · ·		T	1	80% FEDERAL	100% STATE	100% LOCA
-1	GODE NO.	TEM	UNIT	TOTAL	LANDSCAPING URBAN	SAFETY URBAN	LOCAL URBAN
-	X8770136	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. (SPECIAL)	EACH	2	JIGAN	2	CADA
×	X8770137	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT: (SPECIAL)	EACH	1		11	
1	X8770151	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT. (SPECIAL)	EACH	1		1	
1		TRASH RECEPTACLES	EACH	6			6
		LUMINAIRE, HIGH PRESSURE SODIUM, SPECIAL	EACH	12		12	
							<u> </u>
		REMOVE FISER OPTIC CABLE FROM CONDUIT	FOOT	937		937	
+-	XX004951	CAST IN PLACE CONCRETE STAIR	LSUM	1	1		
ŀ	XX005221	TO ESOIL FURNISH AND PLACE (PULVERIZED) VARTABLE	SQYD	175	175		
#	XX005283	BRICK PAVER CROSSWALK	SQ FT	4700	4700		
	XX005735	PLANTER CURB	FOOT	960	960		<del> </del>
-	XX005967	TOPSOIL PLANT MIXTURE	CUYD	246	246		
1		CLASS D PATCHES, 6" (SPECIAL)					
			SQ YD	900	500	300	100
	7	SERVICE LATERAL SPECIAL	EACH	10			10
-	XX007324	RECYCLING RECEPTACLE	EACH	6			6
	XX007852	PEDESTRIAN BENCH, FURNISH AND PLACE	EACH	1			1
	20003850	BENCHES	EACH	5			5
+	20003855	BICYCLE RACKS	EACH	9			
			1		9		
$^{\dagger}$		CONSTRUCTION LAYOUT	LSUM	1	0.6	0.3	0.1
		SEDIMENT CONTROL. DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	18	18		
H	Z0023700	FILLING EXISTING HANDHOLES	EACH	7	7		
	Z003302	MAINTENANCE OF EXISTING LIGHTING SYSTEM COMPLETE	LSUM	1	1		
1	Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1		1	
H	Z0044298	PRESSURE CONNECTION TO EXISTING WATER MAIN	EACH	2			2
	Z0047500						
11			CAL DA				5
Н	Z0067500	STEEL CASINGS 16	FOOT	60		······	60
	20073510	TEMPORARY TRAFFIC SIGNAL TIMING	ÉACH	2		2	
	Z0076600	TRAINEES	HOUR	1000	667	333	
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	667	333	
Li		CONGRETE FOUNDATION. (SPECIAL)	FOOT	44		44	
			1				
		PEDESTRIAN PUSHBUTTON POST, TYPE A	EACH	6		6	
H	XXXXXXX	PORTLAND CEMENT CONCRETE BASE COURSE 5"	SQYD	1405	1405		
	XXXX8752	CURED-IN-PLACE PIPE LINER: SANITARY, 12"	FOOT	475			476
M	XX008753	CURED-IN-PLACE PIPE LINER, SANITARY, 24"	FOOT	53			53
	12005464	TREE, MALUS X ZUMI "CALOCARPA" (ZUMI CALOCARPA CRABAPPLE), 3" CALIPER, BALLED AND BURLAPPED	EACH	6	6	-	
1 1		TREE, PLANTANUS X ACERIFOLIA BLOODGOOD (BLOODGOOD LONDON PLANETREE), 3' CALIPER, BALLED AND BURLAPPED					
1			EACH	5	5		
П		PRECAST PLANTERS (30" HEIGHT)	EACH	9	-		9
		STONEWORK LIMESTONE FILLAR A	EACH	2	2		
П	XX008756	STONEWORK LIMESTONE PILLAR B	EACH	1	1		
b	XXXXX757	STONEWORK LIMESTONE PILLAR C	EACH .	1	1		
<u>                                     </u>	XXX08758	STONEWORK LIMESTONE PILLAR D	EACH	3	1		
$\Box$		STONEWORK LIMESTONE PILLAR E	EACH	1			
1 1		STONEWORK LIMESTONE CAP	1		1		
			FOOT	154	154		
1.1		STONEWORK LIMESTIONE VENEER SEAT WALL	SQ FT	400	400		
F	(XXX8762	STONEWORK CONCRETE FOUNDATION AND CONCRETE CORE	FOOT	154	154		
##	xx008x63	CAST IN PLACE CONCRETE SEATWALL	FOOT	40	40		
Ħ	XXXX8764	CAST IN PLACE CONCRETE RETAINING WALL. 8"	FOOT	120	120		
1.1	لسند	SANTTARY SEWER CLEAN OUT	EACH	35			35
		NON-SPECIAL WASTE OFFOSAL					
P 1		and the second s	Cuyo	325	/00	160	<u> </u>
		SPECIAL WRITE PLANS AND REPORTS	1. Sum		0.4	0.4	0.2
*	2690053O	SOIL DISPOSAL AWALYSIS	EACH	.5			11
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CHRISTOPHER B. BURKE

ENGINEERING, LTD.

9575 W. Higgins Road, Suite 800
Rosemont, Hinole 80018
(847) 823-9500

PLOT 04TE = 11/26/28/2

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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