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**SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS**

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ("STANDARD SPECIFICATIONS"), ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2011; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JULY 2009 SIXTH EDITION, THE DETAILS IN THE PLANS, AND THE SPECIAL PROVISIONS AND IDOT STANDARD DRAWINGS INCLUDED IN THE CONTRACT DOCUMENTS.
2. NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET AND APPROPRIATE PERMITS HAVE BEEN OBTAINED.
3. THE ENGINEER AND ALL UTILITY COMPANIES, SCHOOL DISTRICTS, AND LOCAL POLICE AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
5. WHEN REMOVING CURB AND GUTTER, PAVEMENT OR ANY OTHER STRUCTURE, THE CONTRACTOR SHALL TAKE PRECAUTIONS NECESSARY TO AVOID DAMAGE TO UNDERGROUND PUBLIC OR PRIVATE UTILITIES IN ACCORDANCE WITH ARTICLES 105.07, 107.20, AND 107.31. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL CONCRETE BREAKER BE ALLOWED.

6. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE PROJECT LIMITS. ALL EXCESS OR WASTE MATERIAL SHALL BE EITHER HAULED AWAY FROM THE PROJECT SITE BY THE CONTRACTOR AND DEPOSITED AT LOCATIONS PROVIDED BY HIM, OR DISPOSED OF WITHIN THE RIGHT-OF-WAY IN A MANNER OTHER THAN BURNING, SUBJECT TO THE APPROVAL OF THE ENGINEER. NO EXTRA COMPENSATION WILL BE ALLOWED THE CONTRACTOR FOR ANY EXPENSE INCURRED BY COMPLYING WITH THE REQUIREMENTS OF THIS NOTE.

**PAVING, SHOULDERS, CURB & GUTTER AND SIDEWALK**

1. THE CONTRACTOR SHALL SAW CUT PAVEMENT, CURB & GUTTER, MEDIAN, SHOULDER, AND SIDEWALK AS INDICATED ON THE PLANS TO SEPARATE THE EXISTING MATERIAL TO BE REMOVED BY MEANS OF AN APPROVED CONCRETE SAW TO A DEPTH AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

THE CONTRACTOR SHALL BE REQUIRED TO SAW VERTICAL CUTS SO AS TO FORM CLEAN VERTICAL JOINTS. SHOULD THE CONTRACTOR DEFACE ANY EDGE, A NEW SAWED JOINT SHALL BE PROVIDED AND ANY ADDITIONAL WORK, INCLUDING REMOVAL AND REPLACEMENT, SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.

2. REMOVAL OF ALL REINFORCEMENT WITHIN THE EXISTING PAVEMENT SHALL BE INCLUDED IN THE COST OF "PAVEMENT REMOVAL".

3. HOT-MIX ASPHALT BINDER COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY CURED AND BACKFILLED TO THE SATISFACTION OF THE ENGINEER.

4. HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOPSOIL PLACEMENT, AND HOT-MIX ASPHALT BINDER COURSE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.

5. THE THICKNESSES OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACE, BINDER, OR BASE UPON WHICH THE HOT-MIX ASPHALT MATERIALS ARE PLACED.

6. ALL RAISED REFLECTIVE PAVEMENT MARKERS IN THE RESURFACING AREA SHALL BE REMOVED PRIOR TO MILLING AND REPLACED WHEN PAVING IS COMPLETE. THE REMOVAL OF ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PAID FOR AS "RAISED REFLECTIVE PAVEMENT MARKER REMOVAL".

7. ALL SIDEWALK CONSTRUCTED OVER A UTILITY TRENCH SHALL BE REINFORCED WITH THREE #4 REBARS WHICH EXTEND 5 FEET BEYOND THE TRENCH WALLS. AT LOCATIONS WHERE THE SIDEWALK IS ADJACENT TO THE BACK OF CURB, A 1" PREFORMED EXPANSION JOINT FILLER SHALL BE INSTALLED BETWEEN THE CURB AND SIDEWALK. THIS WORK SHALL BE INCLUDED IN THE COST OF "PCC SIDEWALK 5 INCH".

8. ALL FORMS USED FOR SIDEWALK SHALL BE 2" X 6" LUMBER, 2" X 8" LUMBER, OR APPROVED METAL FORMS, AND ALL FORMS USED FOR DRIVEWAY PAVEMENT SHALL BE 2" X 8" LUMBER OR APPROVED METAL FORMS, EXCEPT WITHIN AREAS WITH RADII WHEN 1" X 6" FORMS SHALL BE UTILIZED. THE ENGINEER MUST INSPECT AND APPROVE THE BASE AND FORMWORK BEFORE ANY CONCRETE IS POURED. A MINIMUM 24 HOUR NOTICE SHALL BE PROVIDED FOR FORM WORK INSPECTION. THIS WORK SHALL BE INCLUDED IN THE COST OF THE SIDEWALK OR DRIVEWAY PAVEMENT BEING CONSTRUCTED.

9. THE EXISTING CURB AND GUTTER SHALL BE SAW CUT AT EACH LIMIT OF REMOVAL AND THE NEW CURB AND GUTTER SHALL BE TIED IN TO THE EXISTING WITH TWO 1/4 INCH STEEL DOWEL BARS (18" LONG) DRILLED INTO THE EXISTING CURB AND GUTTER END. THE ENGINEER MUST INSPECT AND APPROVE THE BASE AND FORMWORK BEFORE ANY CONCRETE IS POURED. A MINIMUM 24 HOUR NOTICE SHALL BE PROVIDED FOR FORM WORK INSPECTION. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER BEING CONSTRUCTED.

**TREE REMOVAL, CLEARING AND HEDGE REMOVAL**

1. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF THE UTMOST IMPORTANCE TO THE VILLAGE. ALL TREE PROTECTION, TREE REMOVAL, TREE PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
2. TEMPORARY FENCE SHALL BE ERECTED ALONG THE DRIP LINE OF EXISTING TREES TO REMAIN WHEN DIRECTED BY THE ENGINEER. AFTER TREES ARE SAFELY FENCED NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

**ROADWAY EXCAVATION**

1. POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN INCLUDED IN THE CONTRACT TO REPLACE SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. IF UNSUITABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. THESE LIMITS MAY BE ALTERED BY THE ENGINEER IF FIELD CONDITIONS SO WARRANT. REMOVAL OF THESE UNSUITABLE SOILS SHALL BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL."

2. THE QUANTITIES OF FURNISHED EXCAVATION HAVE BEEN CALCULATED ASSUMING THAT ALL MATERIAL EXCAVATED UNDER THE PAY ITEM EARTH EXCAVATION WILL BE REMOVED FROM THE JOB SITE. IF THE CONTRACTOR EXCAVATES SUITABLE MATERIAL AND PLACES IT IN AREAS OF THE PROJECT REQUIRING EMBANKMENT UNDER THE PAY ITEM EARTH EXCAVATION, AS DESCRIBED IN SECTION 202 OF THE STANDARD SPECIFICATIONS AND AS APPROVED BY THE ENGINEER, THE APPLICABLE DEDUCTION TO THE FURNISHED EXCAVATION QUANTITY SHALL BE MADE AS DEFINED BY ARTICLE 204.07(B), EXCEPT THAT A SHRINKAGE FACTOR OF 15% SHALL BE USED. THE CONTRACTOR SHALL NOT BE ALLOWED A CHANGE IN THE UNIT PRICES FOR EARTH EXCAVATION OR FURNISHED EXCAVATION BASED ON THESE CHANGES TO THE QUANTITIES. THE VOLUMES OF FURNISHED EXCAVATION SHOWN ON THE PLANS ARE THE COMPACTED VOLUMES. THE VOLUMES SHOWN ON THE PLANS HAVE NOT BEEN ADJUSTED TO ACCOUNT FOR SHRINKAGE DUE TO COMPACTION.

3. USE OF CCDD FILL OPERATIONS - 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 ENGINEER'S CERTIFICATION REQUIRED AS PER PUBLIC ACT 96-1416 TO USE THE SITE. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

**UTILITIES**

1. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY.
2. COORDINATION OF ANY UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE.
3. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, WATER, SEWER AND CABLE TELEVISION FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)

4. WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE STORM SEWERS AND DRAINAGE STRUCTURES INSTALLED AS PART OF THIS PROJECT.

5. ANY EXISTING OR PROPOSED SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE DEPARTMENT, IN ACCORDANCE WITH ARTICLES 105.07, 107.20, AND 107.31.

6. THE CONTRACTOR SHALL RECEIVE NO ADDITIONAL COMPENSATION FOR CONSTRUCTION STAGING NECESSARY TO ACCOMMODATE UTILITY RELOCATION OR ADJUSTMENT CAUSED BY UTILITY RELOCATION OR ADJUSTMENT.

7. THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIAL NECESSARY FOR DEWATERING TRENCH EXCAVATIONS AS WELL AS SHORING TRENCH WALLS DURING UTILITY OPERATIONS. THE COST TO COMPLY WITH THE ABOVE SHALL BE INCLUDED IN THE COST OF THE STORM SEWERS AND DRAINAGE STRUCTURES INSTALLED AS PART OF THIS PROJECT.

8. SANITARY SEWER REQUIRED FOR THE ITEM "ADJUSTING SANITARY SEWERS, 8-INCH DIAMETER OR LESS" SHALL MEET THE FOLLOWING MATERIAL REQUIREMENTS: PIPE SHALL BE PVC PLASTIC PIPE. ALL PIPE AND FITTINGS SHALL CONFORM TO ASTM D3034 SDR 26 PS=115. THE SDR SHALL BE 26 AS A MINIMUM. ALL PIPE SHALL BE MADE FROM QUALITY PVC RESIN, COMPOUNDED TO PROVIDE PHYSICAL AND MECHANICAL PROPERTIES THAT EQUAL OR EXCEED CELL CLASS 12454 AS DEFINED IN ASTM D1784.

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