

GENERAL CONSTRUCTION NOTES

ALL EARTHWORK AND STREET CONSTRUCTION WITHIN THE LIMITS OF THE PROJECT SHALL BE DONE IN ACCORDANCE WITH THE (SSRBC) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS, CURRENT EDITION, AND ALL SUPPLEMENTS AND REVISIONS THERETO, THE "SPECIAL PROVISIONS", THESE "CONSTRUCTION NOTES" AND THE STANDARD SPECIFICATIONS OF THE AGENCY HAVING JURISDICTION OVER THE PROJECT.

ALL SEWER AND WATER MAIN CONSTRUCTION WITHIN THE LIMITS OF THIS PROJECT SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION, AND ALL SUPPLEMENTS AND REVISIONS THERETO, THE "SPECIAL PROVISIONS", THESE "CONSTRUCTION NOTES" AND THE STANDARD SPECIFICATIONS OF THE AGENCY HAVING JURISDICTION OVER THE PROJECT.

A COPY OF THE ABOVE SPECIFICATIONS SHALL BE IN THE POSSESSION OF THE CONTRACTOR OF THIS PROJECT AT ALL TIMES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION ALONG OR ACROSS EXISTING STREETS OR HIGHWAYS. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING, AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS BEFORE CONSTRUCTION BEGINS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC.

EXISTING UTILITIES AND UTILITY EASEMENTS, BOTH PUBLIC AND PRIVATE, ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION AVAILABLE TO THE ENGINEER AND ARE ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY WHATSOEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF ALL UTILITY LINES AND FOR THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT SAID CONFLICT MAY BE RESOLVED.

PUBLIC WATER MAIN FACILITIES MAY BE OPERATED ONLY BY VILLAGE PERSONNEL. THE CONTRACTOR IS NOT PERMITTED TO OPEN, CLOSE OR ADJUST ANY PUBLIC WATER VALVE FOR ANY REASON. CONTRACTOR SHALL PROVIDE 72 HOUR NOTICE FOR ANY SERVICES REQUIRED BY VILLAGE. IF AN EMERGENCY SITUATION ARISES, THE CONTRACTOR SHALL CONTACT THE VILLAGE PUBLIC WORKS DEPARTMENT IMMEDIATELY.

SAWING OF EXISTING SURFACES WHEN REQUIRED FOR REMOVAL OR CONSTRUCTION WILL NOT BE PAID FOR SEPARATELY BUT WILL BE CONSIDERED INCIDENTAL TO THE VARIOUS REMOVAL PAY ITEMS.

CONTRACTOR SHALL POST BOND AND INSURANCE WITH COOK COUNTY PRIOR TO BEGINNING PROJECT.

ANY ERADICATION OF EXISTING PAVEMENT MARKINGS SHALL BE DONE IN ACCORDANCE WITH BOTH IDOT AND COOK COUNTY STANDARDS. MR. DILIP PATEL SHALL BE CONTACTED PRIOR TO ANY ERADICATION OR APPROVAL OF REMOVAL METHOD. MR. PATEL CAN BE REACHED AT (708) 974-6862.

STORM SEWER

ALL STORM SEWER CONSTRUCTION WITHIN THE LIMITS OF THIS PROJECT SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION, AND ALL SUPPLEMENTS AND REVISIONS THERETO, THE "SPECIAL PROVISIONS", THESE "CONSTRUCTION NOTES" AND THE STANDARD SPECIFICATIONS OF THE AGENCY HAVING JURISDICTION OVER THE PROJECT.

STRUCTURES FOR STORM SEWERS SHALL BE IN ACCORDANCE WITH THESE IMPROVEMENT PLANS AND THE APPLICABLE STANDARD SPECIFICATIONS. ALL JOINT SECTIONS SHALL BE SEALED WITH CONTINUOUS BUTYL MASTIC ROPE & MORTARED WITH NON-SHRINK MORTAR WHICH SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE VARIOUS SEWER PAY ITEMS.

EXCEPT WHERE INDICATED OTHERWISE IN THE PLANS, ALL MANHOLES SHALL HAVE A FRAME CONFORMING TO NEENAH R-1550 OR APPROVED EQUAL.

ALL LIDS SHALL BE NEENAH R-1550 OR R-2578 (OR APPROVED EQUAL) TYPE "B" SELF SEALING WITH A CONCEALED PICK HOLE AND "STORM" CAST INTO THE TOP SURFACE TO IDENTIFY THE LINE.

ALL TOPS OF FRAMES FOR STORM SEWER ARE TO BE ADJUSTED TO MEET FINISH GRADE. THIS ADJUSTMENT IS TO BE MADE BY THE SEWER CONTRACTOR AND SHALL NOT EXCEED 12 INCHES.

STEPS SHALL BE INSTALLED IN ALL STORM MANHOLES ON 16" CENTERS (NEENAH R-1981-1 CAST IRON OR EAST JORDAN 8533 OR APPROVED EQUAL).

UNLESS OTHERWISE INDICATED ON THE PLANS, STORM SEWER PIPE AND CULVERT PIPE 12" IN DIAMETER AND LARGER SHALL BE REINFORCED CONCRETE PIPE, ASTM C-76, CLASS IV.

ANY STORM SEWER WITHIN 10' (HORIZONTALLY) OF WATERMAIN SHALL HAVE GASKETED JOINTS MEETING THE REQUIREMENTS OF WATER QUALITY PIPE. RUBBER GASKETS SHALL BE ACCORDING TO AASHTO M315 / ASTM C443.05A.

ALL CONNECTIONS TO EXISTING MANHOLES SHALL BE MADE BY CORING OR SAW-CUTTING THE EXISTING STRUCTURE. BREAKING INTO STRUCTURES WILL NOT BE ALLOWED.

IN LINE CURB STRUCTURES MAY NOT INCLUDE THE USE OF SHIMS. ALL FRAMES SHALL SIT DIRECTLY ABOVE THE ADJACENT RINGS OR FLAT TOP. OFFSET FRAMES WILL NOT BE ACCEPTED.

LIDS AND GRATES, WHERE PRACTICAL, SHALL COMPLY WITH NPDES PHASE II BEST MANAGEMENT PRACTICES THROUGH APPROPRIATE FACIAL MARKINGS.

PROVIDE TRENCH BACKFILL FOR ALL UTILITY LINES UNDER OR WITHIN 2 FEET OF PAVED AREAS.

STRUCTURE ADJUSTMENTS AND RECONSTRUCTIONS UP TO 12 INCHES CAN BE MADE WITH CONCRETE ADJUSTMENT RINGS. CHANGES IN ELEVATION GREATER THAN 12 INCHES SHALL REQUIRE ADDITIONAL CONCRETE BARREL SECTIONS.

DEMOLITION

THOSE ITEMS (SIGNS, POSTS, LIGHT POLES, ETC.) WHICH ARE SO DESIGNATED BY THE ENGINEER SHALL BE REMOVED, STORED, AND SUBSEQUENTLY RELOCATED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT. IN ADDITION, ANY SUCH ITEMS WHICH ARE DAMAGED DURING CONSTRUCTION OPERATIONS BEYOND REPAIR SHALL BE REPLACED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE CONTRACT.

ALL CLEARING OF BUSHES, HEDGES, AND TREES UNDER 6" IN DIAMETER WILL BE INCIDENTAL TO THE COST OF EARTH EXCAVATION.

TRENCHING

GRANULAR FOUNDATION AND BACKFILL TRENCH SECTIONS FOR SANITARY SEWER, STORM SEWER AND WATER MAIN ARE TO BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. THE COST OF BEDDING, HAUNCHING AND INITIAL BACKFILL SHALL BE INCLUDED IN THE COST FOR SEWERS AND WATER MAIN AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL SURPLUS EXCAVATED MATERIAL FROM THE TRENCH WILL BE PROPERLY DISPOSED OF BY THE CONTRACTOR. SEE NOTES UNDER "EXCAVATED MATERIALS" FOR ADDITIONAL INFORMATION.

EXCAVATED MATERIALS

ALL SURPLUS EXCAVATED MATERIALS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.

ALL CONSTRUCTION AND DEMOLITION DEBRIS OR WASTE, INCLUDING EXCESS OR UNSUITABLE MATERIAL, SHALL BE DISPOSED OF IN A LICENSED LANDFILL, RECYCLED, REUSED OR OTHERWISE DISPOSED OF AS ALLOWED BY STATE OR FEDERAL SOLID WASTE DISPOSAL LAWS AND REGULATIONS AND SOLID WASTE DETERMINATIONS OF THE IEPA.

TRAFFIC CONTROL

WHEN LANE CLOSURES ARE REQUIRED TO PERFORM THE WORK, CONTRACTOR SHALL PROVIDE SIGNAGE AND FLAGMEN AS NECESSARY.

BI-DIRECTIONAL TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR SHALL NOTIFY THE VILLAGE ENGINEERING DEPARTMENT AND EMERGENCY DISPATCHER OF ANY LANE CLOSURE A MINIMUM OF 48 HOURS IN ADVANCE OF CLOSURE.

STAKING

THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR A PROFESSIONAL LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS:
A.) FOR STRUCTURES FALLING IN THE CURB LINE--TO THE BACK OF CURB
B.) FOR ALL OTHER STRUCTURES--TO THE CENTER OF THE STRUCTURE.

ALL ELEVATIONS ARE ON U.S.C.S. DATUM. ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR STRUCTURES, BACK OF CURB, ETC., ARE FROM THE BASELINE AS SHOWN ON THE PLANS.

□ DENOTES ITEM OR WORK INCLUDED IN THE COST OF OTHER ITEMS

WATERMAIN

ALL WATER MAIN CONSTRUCTION WITHIN THE LIMITS OF THIS PROJECT SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION, AND ALL SUPPLEMENTS AND REVISIONS THERETO. THE "SPECIAL PROVISIONS", THESE "CONSTRUCTION NOTES" AND THE STANDARD SPECIFICATIONS OF THE AGENCY HAVING JURISDICTION OVER THE PROJECT.

GRANULAR FOUNDATION AND BACKFILL TRENCH SECTIONS FOR WATER MAINS ARE TO BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. GRANULAR BEDDING TYPE 5 SHALL BE PROVIDED FOR THE ENTIRE LENGTH OF THE WATER MAIN. THE COST OF THE BEDDING SHALL BE INCLUDED WITH THE COST FOR THE WATER MAIN AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL WATER MAINS SHALL BE DUCTILE CAST IRON, CLASS 52, IN ACCORDANCE WITH ANSI/AWWA C-151/A21.51 AND ANSI/AWWA C-111/A21.11 STANDARDS. FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINT CONFORMING TO THE LATEST ANSI SPECIFICATION A21.10 AND AWWA C-100. ALL PIPE AND FITTINGS SHALL BE CEMENT LINED IN ACCORDANCE WITH AWWA C-104. JOINTS SHALL BE PUSH-ON OR MECHANICAL. ELECTRICAL CONDUCTIVITY SHALL BE PROVIDED WITH BRASS WEDGES. CORROSION PROTECTION OF THE WATER MAIN SHALL BE PROVIDED THROUGH THE USE OF A PROPERLY INSTALLED POLYETHYLENE ENCASEMENT WITH TAPED JOINTS. PROVIDE JOINT RESTRAINTS IN ACCORDANCE WITH VILLAGE STANDARDS.

PROVIDE EAST JORDAN 9872S VALVE BOX STABILIZER AND TYLER 6850 SERIES AUXILIARY VALVE AND AND AUXILIARY VAULT W/ S.S. TRIM (OR APPROVED EQUALS) AT ALL FIRE HYDRANTS.

ALL WATER MAINS SHALL BE SEPARATED FROM SANITARY SEWERS AND STORM SEWERS A MINIMUM OF 10' HORIZONTALLY (WHEN RUNNING PARALLEL) OR 18" VERTICALLY WHEN CROSSING EACH OTHER. IN ADDITION, IF THE WATER MAIN LIES BELOW THE SEWER LINE, THE WATER MAIN SHALL BE ENCASED IN A WATER TIGHT SLEEVE SUCH THAT NEITHER END OF THE SLEEVE IS CLOSER THAN 10' AS MEASURED PERPENDICULAR FROM THE SEWER. WATER MAIN PROTECTION FOR CROSSING SEWER LINES SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT UNIT PRICE FOR WATER MAIN.

CONTRACTOR SHALL TEST WATER MAINS FOR ACCEPTANCE BY PRESSURE TESTING IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, CURRENT EDITION. IF EXISTING VALVES ARE USED FOR PRESSURE TESTS, THE CONTRACTOR REMAINS RESPONSIBLE FOR PASSING THE TESTS. TESTING SHALL BE WITNESSED BY A REPRESENTATIVE OF THE VILLAGE OF LEMONT. COST OF TESTING SHALL BE INCLUDED IN THE UNIT PRICE FOR WATER MAIN CONSTRUCTION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL SURPLUS EXCAVATED MATERIAL FROM THE TRENCH WILL BE PROPERLY DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE, UNLESS MATERIAL IS CONSIDERED SPECIAL WASTE.

THE VILLAGE OF LEMONT PUBLIC WORKS DEPARTMENT SHOULD BE CONTACTED AT LEAST 48 HOURS IN ADVANCE OF ANY CONNECTIONS TO THE WATER SYSTEM OR ANY SHUT DOWN REQUIRED TO CONSTRUCT THE WATER SYSTEM. ALL SHUT DOWNS SHALL BE ACCOMPLISHED UNDER THE DIRECTION OF THE WATER DEPARTMENT.

ALL CONNECTIONS TO EXISTING MANHOLES SHALL BE MADE BY CORING OR SAW-CUTTING THE EXISTING STRUCTURE. BREAKING INTO STRUCTURES WILL NOT BE ALLOWED.

PROVIDE 18" MINIMUM SPACING BETWEEN ALL WATER MAIN FITTINGS (AS MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT FITTINGS).

SITE GRADING AND PAVING

EARTH EXCAVATION SHALL INCLUDE CLEARING, STRIPPING, AND STOCKPILING TOPSOIL, REMOVING UNSUITABLE MATERIALS, THE CONSTRUCTION OF EMBANKMENTS, CONSTRUCTING NON-STRUCTURAL FILLS, AND FINAL SHAPING AND TRIMMING TO THE LINES, GRADES AND CROSS SECTIONS SHOWN ON THE PLANS. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE PROVISIONS OF SECTION 200 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS.

THE GRADING OPERATIONS ARE TO BE CLOSELY SUPERVISED AND INSPECTED BY THE SOILS ENGINEER OR HIS REPRESENTATIVE, PARTICULARLY DURING THE REMOVAL OF UNSUITABLE MATERIAL AND THE CONSTRUCTION OF EMBANKMENTS. THE REMOVAL AND BACKFILL OF UNSUITABLE MATERIAL SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL WITH THE QUANTITY DETERMINED BY FIELD MEASUREMENT.

THE CONTRACTOR SHALL STOCKPILE EXCAVATED TOPSOIL AND CLAY ON THE SITE AT SEPARATE LOCATIONS DESIGNATED BY THE OWNER AND IN ACCORDANCE WITH THE SPECIFICATIONS. EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A SEQUENCE SO AS TO ELIMINATE ANY RE HANDLING OR DOUBLE MOVEMENTS BY THE CONTRACTOR. FAILURE TO PROPERLY SEQUENCE THE STOCKPILING OPERATION SHALL NOT CONSTITUTE A CLAIM FOR ADDITIONAL COMPENSATION.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL EXCAVATED MATERIAL, INCLUDING PAVEMENT, CONCRETE, ETC. FROM THE SITE.

THE APPLICATION RATE FOR BITUMINOUS MATERIALS (PRIME COAT) SHALL BE 0.35 GALLONS PER SQUARE YARD. THE APPLICATION RATE FOR AGGREGATE (PRIME COAT) SHALL BE 4.0 POUNDS PER SQUARE YARD.

TRAFFIC CONTROL PLAN

PROVIDE TRAFFIC CONTROL CONSISTENT WITH THE PLAN SHOWN ON THIS SHEET.

TRAFFIC CONTROL FOR WORK ON 127TH STREET SHALL BE IN ACCORDANCE WITH STANDARD 701502-05. SIDEWALK CLOSURES SHALL BE IN ACCORDANCE WITH STANDARD 701801-05. THE COST OF TRAFFIC CONTROL CONSISTENT WITH THESE STANDARDS SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL) AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

