

PARKSIDE SUBDIVISION PLAT #1

IMPROVEMENT PLANS

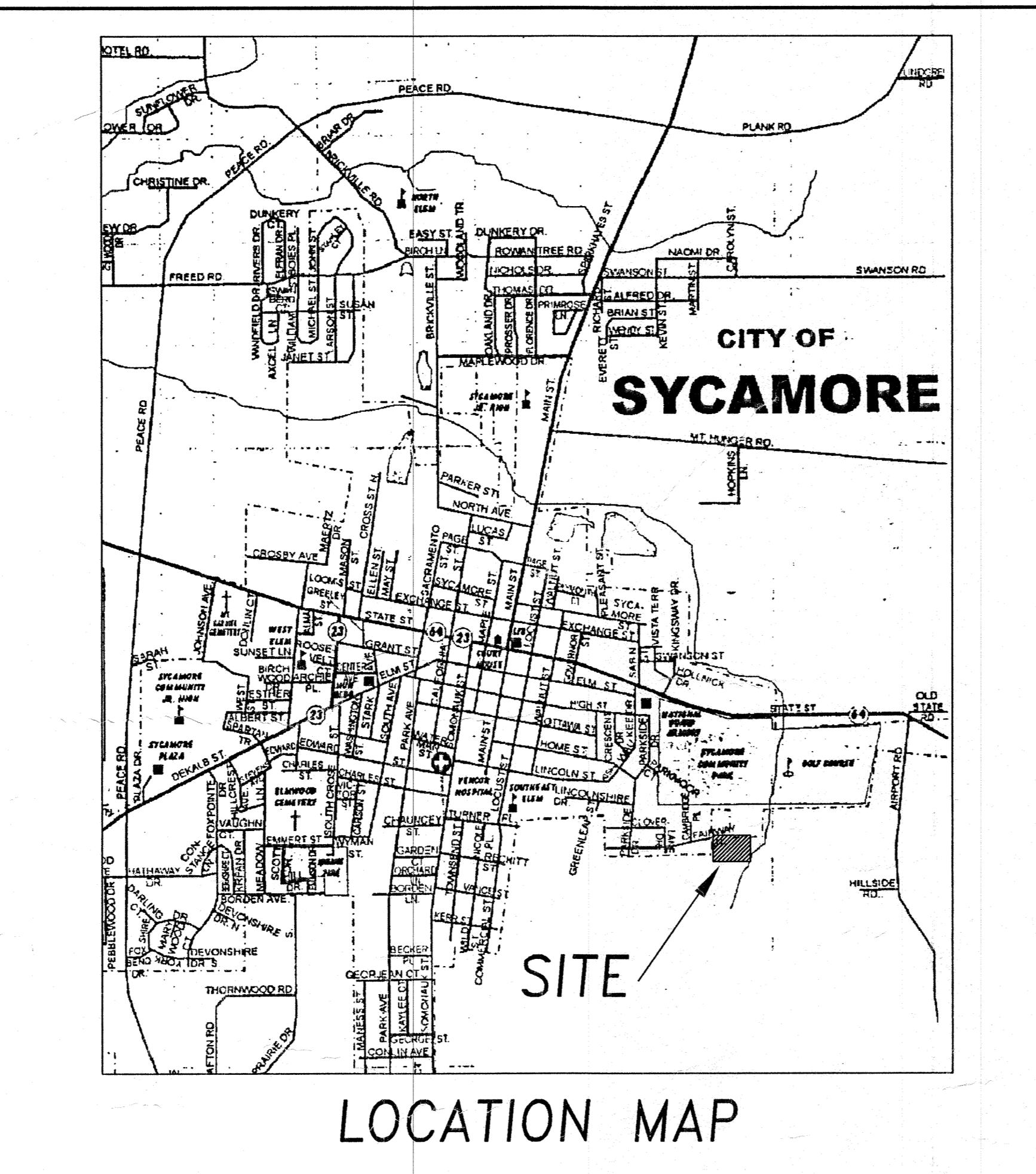
OCTOBER 2001

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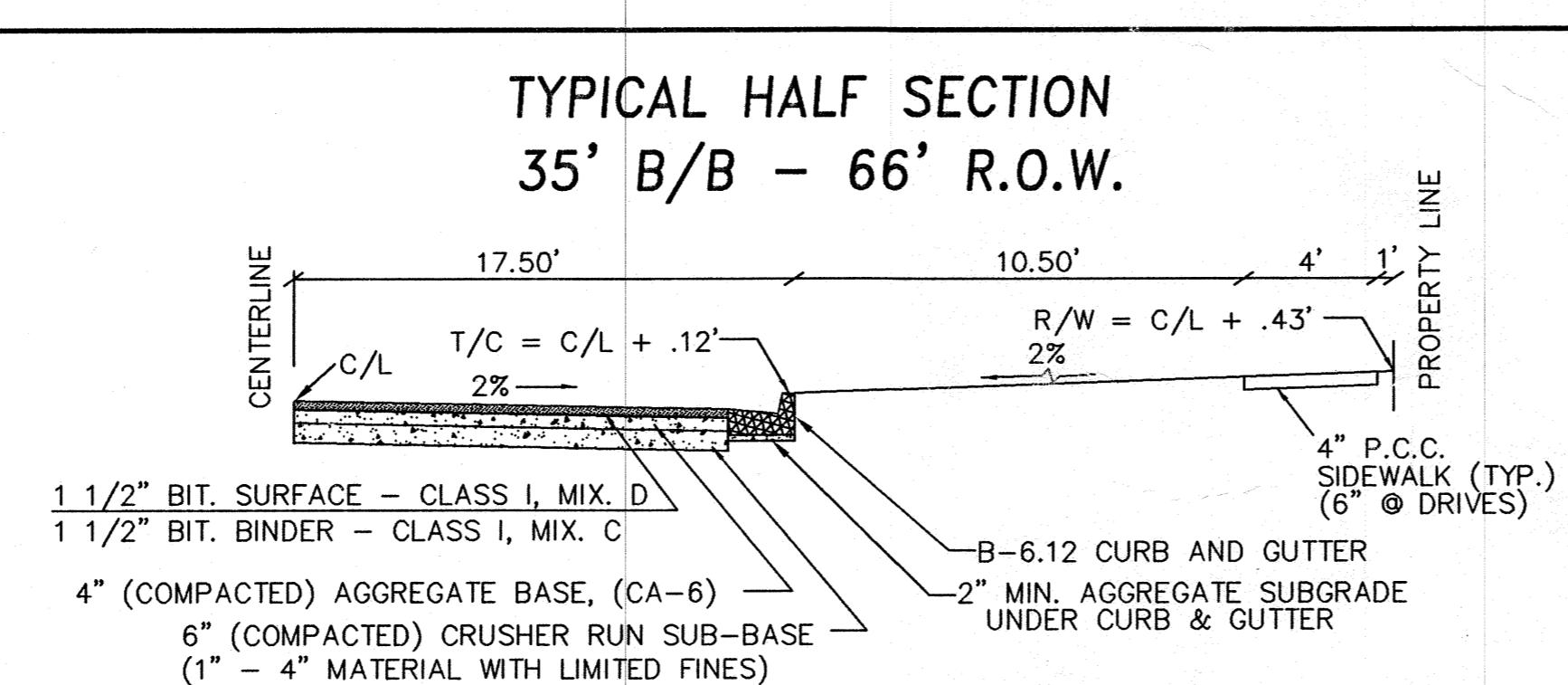
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QUANTITIES

SANITARY SEWER, 8" PVC	859 L.F.
SANITARY M.H. - 4" DIA.	4 EACH
CONNECT TO EXISTING SANITARY MANHOLE	1 EACH
6" SAN. SERVICE, PVC	14 EACH
TRENCH BACKFILL FOR SANITARY SEWER	805 C.Y.
D.I. WATERMAIN, 6", INCL. FITTINGS	11 L.F.
D.I. WATERMAIN, 8", INCL. FITTINGS	338 L.F.
D.I. WATERMAIN, 10", INCL. FITTINGS	946 L.F.
6" GATE VALVE AND 4" DIA VAULT	1 EACH
10" GATE VALVE AND 5" DIA VAULT	4 EACH
FIRE HYDRANT ASSEMBLY, COMPLETE	3 EACH
2" FLUSHING HYDRANT, COMPLETE	3 EACH
CONNECT TO EXISTING WATERMAIN	1 EACH
1" WATER SERVICE COMPLETE	14 EACH
TRENCH BACKFILL FOR WATERMAIN	80 C.Y.
2" DIA. INLET, TYPE A, WITH 1077B FRAME & CLOSED LID	2 EACH
2" DIA. CATCH BASIN TYPE C WITH TYPE B GRATE	1 EACH
CATCH BASIN, 2x3' WI NEENAH R-3246 FRAME & GRATE	3 EACH
CATCH BASIN, 2x3' WI NEENAH R-1878-B7G FRAME & GRATE	1 EACH
3" DIA. STORM MANHOLE, WITH TYPE 1 FRAME & SOLID LID	1 EACH
6" H.D. PVC SDR 26	498 L.F.
10" H.D. PVC SDR 26	120 L.F.
12" R.C.C.P. CL. III STORM SEWER	456 L.F.
15" R.C.C.P. CL. III STORM SEWER	507 L.F.
12" PRECAST END SECTION	1 EACH
15" PRECAST END SECTION	1 EACH
4" SUMP STUB	14 EACH
ORIFICE PLATE	1 EACH
TRENCH BACKFILL FOR STORM SEWER	15 C.Y.
RIP RAP (MIN. RR-5) WITH FABRIC UNDERLAYMENT	10 S.Y.
STRIP AND STOCKPILE TOPSOIL	1 L.S.
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	125 C.Y.
ROADWAY & POND EXCAVATION	1 L.S.
EMBANKMENT (COMPACTED FILL)	1 L.S.
MODIFIED B-12 PCC CURB AND GUTTER	1605 L.F.
SUB-BASE GRAN. MAT'L SPECIAL (CRUSHER RUN WITH LIMITED FINES, I)	125 C.Y.
CRUSHER RUN BASE COURSE (COMPACTED), 6"	3294 S.Y.
CA-6 AGGREGATE BASE COURSE, 4"	3294 S.Y.
BITUMINOUS BINDER COURSE, CLASS I, MIX C, 1-1/2"	3294 S.Y.
BITUMINOUS SURFACE COURSE, CLASS I, MIX D, 1-1/2"	3294 S.Y.
BIT. MATERIALS, PRIME COAT (.40 GAL/S.Y.)	1318 GAL.
PCC SIDEWALK, 4" THICK	6595 S.F.
EROSION CONTROL	1 L.S.
RESTORATION, TOPSOIL, AND SEEDING	1 L.S.
SOD	1 L.S.



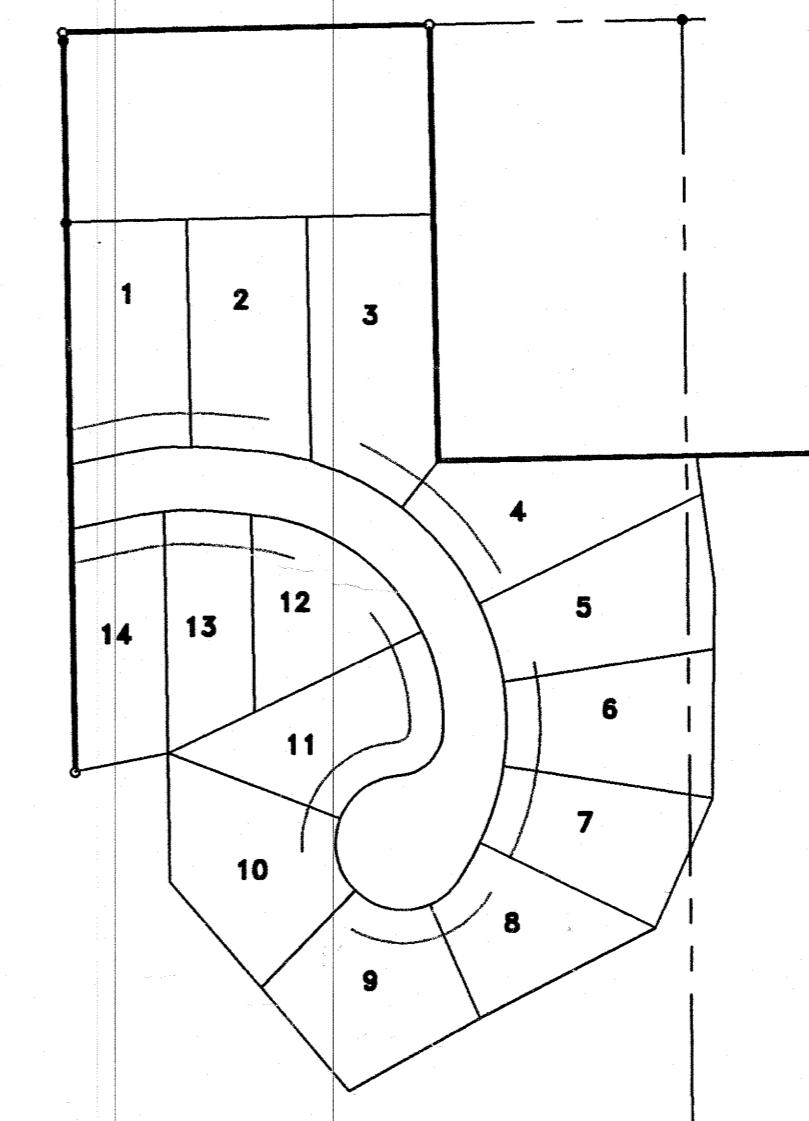
LOCATION MAP



CONTACT:
J.U.L.I.E.

1-800-892-0123

PRIOR TO ANY CONSTRUCTION



OWNER / DEVELOPER

MILAN KRPAN
726 KRPAN COURT
DeKALB, IL 60115
(815)-756-7286

APPROVED BY: *Brady*
DATE 4-19-02



PARKSIDE SUBDIVISION PLAT #1
PLANS PREPARED BY: CES, INC., 5028 E. PINE STREET, DEKALB, IL 60115
(815) 547-8435 FAX: (815) 544-0421

SPECIFICATIONS AND GENERAL NOTES

SPECIFICATIONS

- IN THESE CONTRACT DOCUMENTS MENTION IS MADE TO THE "ENGINEER", WHICH SHALL MEAN CIVIL ENGINEERING SERVICES, INC., OR THEIR AUTHORIZED AGENT.
- ALL EARTHWORK, ROADWAY WORK, DRAINAGE WORK AND STORM SEWER WORK SHALL BE PERFORMED UTILIZING MATERIALS AND METHODS IN STRICT ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION AND THE STANDARD DETAIL SHEETS ATTACHED. WHERE THERE IS A CONFLICT BETWEEN THE TWO, THE STANDARD DETAIL SHEETS SHALL GOVERN. ALL MUNICIPAL AGENCIES AND PUBLIC WORKS DEPARTMENT REQUIREMENTS AND STANDARDS SHALL ALSO BE STRICTLY ADHERED TO.
- ALL SANITARY SEWER AND WATERMAIN WORK SHALL BE PERFORMED USING METHODS AND MATERIALS IN STRICT ACCORDANCE WITH THE LATEST EDITION OF "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" AS WELL AS THE STANDARDS OF THE CITY OF SYCAMORE; ALL SANITARY AND WATER DEPARTMENTS SHALL BE CONTACTED BY CONTRACTOR TO ENSURE COMPLIANCE WITH STANDARDS.
- WHEN UNIT SPECIFICATIONS ARE SUPPLIED ALONG WITH THE PLANS THEY SHALL TAKE PRECEDENCE IN THE CASE OF A CONFLICT WITH THE STANDARD SPECIFICATIONS NOTED IN ITEMS 2 AND 3.
- ALL EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR WITH ALL AFFECTED UTILITY COMPANIES PRIOR TO INITIATING CONSTRUCTION OPERATIONS. THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY FOR THE ACCURACY, SUFFICIENCY OR EXACTNESS OF THESE UTILITY REPRESENTATIONS. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL CONTACT THE OFFICES OF THE AFFECTED UTILITIES FOR EXACT FIELD LOCATIONS OF ALL UTILITIES IN THE PROXIMITY OF THE PROJECT SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF UTILITIES TO ELIMINATE CONFLICTS BETWEEN MUNICIPAL UTILITIES AND GAS MAINS, GAS SERVICES, ELECTRIC SERVICE, POWER POLE PLACEMENT, TELEPHONE SERVICE, AND CABLE TV SERVICE.
- THE RESPONSIBILITY FOR THE REPAIR OR REPLACEMENT OF ANY UTILITY, STRUCTURE, LANDSCAPING, ETC. DAMAGED DURING CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR, WITH NO EXPENSE BEING CHARGED TO THE OWNER. PRIOR TO ACCEPTANCE OF THIS REPAIR OR REPLACEMENT, THE CONTRACTOR SHALL PRESENT THE OWNER WITH A SIGNOFF LETTER, SIGNED BY A RESPONSIBLE OFFICIAL OF THE OWNER OF THE DAMAGED EQUIPMENT STATING THAT THE REPAIR IS ACCEPTABLE. THE EXISTING ROADWAY RIGHTS-OF-WAY DAMAGED DURING CONSTRUCTION ARE TO BE RESEDED AS NECESSARY AS PER THE CITY OF SYCAMORE REQUIREMENTS (COST TO BE INCIDENTAL). ANY DAMAGE TO EXISTING PROPERTY, RIGHTS-OF-WAY, VALVES, MANHOLES, UTILITIES, SIDEWALK, PAVEMENT, CONCRETE CURB AND GUTTER, OR OTHER STRUCTURES SHALL BE REPAVED OR REPLACED WITH EQUALS WITHOUT COST TO THE OWNER.
- SHOULD EXISTING UTILITIES OR STRUCTURES INTERFERE WITH THE PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE RELOCATION OF THESE FACILITIES TO ACCOMMODATE NEW CONSTRUCTION; SIGNOFF LETTERS WILL BE REQUIRED AS IN ITEM NUMBER 6.
- FINAL INSPECTION OF THE WORK PERFORMED HEREIN WILL BE DONE BY THE CITY OF SYCAMORE; ALL DEFICIENCIES NOTED AT THAT TIME SHALL BE CORRECTED BY THE CONTRACTOR WITHOUT COST TO THE OWNER PRIOR TO FINAL PAYMENT. THE CITY OF SYCAMORE OR THEIR AGENT SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE OR REJECT THE CONSTRUCTION OR IMPROVEMENTS DETAILED BY THESE PLANS AND SPECIFICATIONS. ALL WORK SHALL BE GUARANTEED WITH REGARD TO WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL APPROVAL. DEFECTS SHALL BE REPAVED OR REPLACED BY THE CONTRACTOR WITHIN 30 DAYS OF REQUEST FOR REPAIR.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER, THE CITY OF SYCAMORE, AND THE OWNER AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION IN ORDER TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION. WORK PERFORMED OR MATERIALS AND EQUIPMENT INSTALLED WITHOUT INSPECTION WILL BE CONSIDERED UNACCEPTABLE, AND MAY HAVE TO BE REPLACED AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL INDEMNIFY THE OWNER AND HIS AGENTS, THE ENGINEER AND HIS AGENTS, AND THE CITY OF SYCAMORE AND THEIR AGENTS, ETC. FROM ALL LIABILITY WITH THE CONSTRUCTION, INSTALLATION AND TESTING OF THE WORK ON THIS PROJECT. NO WORK SHALL BEGIN UNTIL THE CERTIFICATE OF INSURANCE IS FILED WITH THE OWNER. ALL COSTS OF INSURANCE SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- ALL PHASES OF THE PROPOSED IMPROVEMENTS ARE SUBJECT TO TESTING BY THE CITY OF SYCAMORE; THE COST OF TESTS REQUIRED BY THESE AGENCIES SHALL BE BORNE SOLELY BY THE CONTRACTOR AND THIS COST SHALL BE INCORPORATED IN THE PROPOSAL FOR EACH ITEM OF WORK.
- THE CONTRACTOR SHALL BE PAID FOR MATERIALS AND EQUIPMENT SUCCESSFULLY INSTALLED AS MEASURED IN PLACE BY THE ENGINEER OR HIS AGENT. THE CONTRACTOR IS TO VERIFY ALL PLAN AND ACTUAL QUANTITIES AND NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST.
- ALL PUBLIC SIDEWALKS AS SHOWN ON PLANS SHALL BE PLACED 1' FROM ALL SUBDIVISION PROPERTY LINES. THE SIDEWALK SHALL BE 4" THICK EXCEPT AT DRIVEWAY LOCATIONS, WHERE IT SHALL BE 6" THICK. EXISTING SIDEWALKS DAMAGED BY THE CONTRACTOR OR HIS AGENTS SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL, UPON COMPLETION OF ALL CONSTRUCTION WORK INCLUDED IN THE PLANS FOR THIS PROJECT, PROVIDE A WRITTEN STATEMENT TO THE OWNER THAT ALL MATERIALS AND WORKMANSHIP INCORPORATED INTO THE PROJECT CONFORM TO THE APPROVED PLANS AND SPECIFICATIONS. COPIES OF ALL DELIVERY TICKETS FOR MATERIALS USED IN THIS PROJECT SHALL BE SUBMITTED TO THE ENGINEER WITH THE STATEMENT REQUIRED ABOVE. COPIES OF THE RESULTS OF ALL TESTS REQUIRED FOR THIS PROJECT SHALL BE DELIVERED TO THE ENGINEER. THE CONTRACTOR WILL BE REQUIRED TO SUBSTANTIATE DEPTH OF BURT FOR WATERMAIN, AND BASE COURSE AND PAVEMENT THICKNESSES. CORE-DRILLING MAY BE REQUIRED TO VERIFY THESE THICKNESSES AT THE ENGINEER'S DISCRETION. COSTS ASSOCIATED WITH THE VERIFICATION OF PROPER CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR, WITH NO EXPENSE TO THE OWNER OR HIS AGENTS.
- A PRECONSTRUCTION CONFERENCE FOR REPRESENTATIVES OF THE DEVELOPER, CITY OF SYCAMORE, AND THE CONTRACTOR WILL BE HELD BEFORE THE CONTRACTOR PROCEEDS WITH CONSTRUCTION, AT A TIME AND PLACE CONVENIENT FOR ALL PARTIES FOR REVIEW OF THE CONTRACTOR'S CONSTRUCTION SCHEDULES. THIS CONFERENCE SHALL ESTABLISH PROCEDURES FOR HANDLING SHOP DRAWINGS AND OTHER SUBmittALS, DETERMINE SCHEDULING, AND ESTABLISH A WORKING UNDERSTANDING AMONG THE PARTIES AS TO THE CONTRACT WORK.
- TRAFFIC SIGNS, STREET NAME SIGNS, AND PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF SYCAMORE STANDARDS AND SPECIFICATIONS AND THE "ILLINOIS DEPARTMENT OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". LOCATIONS OF SIGNS AND MARKINGS SHALL BE AS SPECIFIED BY THE CITY ENGINEER. COST OF ALL SIGNAGE IS INCIDENTAL TO THE PRICE BID FOR BITUMINOUS PAVEMENT.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH ANY AND ALL EASEMENTS OR PERMITS OBTAINED FOR THIS PROJECT; THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE REQUIREMENTS INCLUDED IN SAID EASEMENTS OR PERMITS AND INCORPORATING ANY COST ASSOCIATED WITH EXECUTING THESE REQUIREMENTS IN HIS BID - EXTRAS WILL NOT BE AWARDED AS A RESULT OF THE CONTRACTOR CLAIMING IGNORANCE OF THIS REQUIREMENT.
- RESTORATION OF EXISTING ROADWAYS AND RIGHTS-OF-WAY ARE CONSIDERED INCIDENTAL TO THIS CONTRACT WHERE NOT SPECIFICALLY CALLED OUT ON THE PLANS, AND SHOULD BE INCLUDED IN THE COST OF THE UNDERGROUND IMPROVEMENTS.
- THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY THE CITY OF SYCAMORE. THE CONSTRUCTION DETAILS AS PRESENTED ON THE PLANS MUST BE FOLLOWED BY THE CONTRACTOR. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED IN CONSTRUCTING IMPROVEMENTS INDICATED ON THE ENGINEERING PLAN; EXTREME CAUTION MUST BE FOLLOWED REGARDING THE COMPACTION OF ALL UTILITY TRENCHES. CONTRACTORS ARE ADVISED THAT ALL MUD AND DEBRIS MUST BE CLEANED FROM ROADWAYS AS PER THE REQUIREMENTS OF THE CITY OF SYCAMORE.
- THE CONTRACTOR SHALL PERFORM ALL WORK IN STRICT ACCORDANCE WITH ALL STATE, FEDERAL AND LOCAL CODES (TO INCLUDE SAFETY CODES). THE ENGINEER, CITY OF SYCAMORE, AND OWNER ARE NOT RESPONSIBLE FOR ENSURING COMPLIANCE BY THE CONTRACTOR WITH SAID CODES, AND ASSUMES NO LIABILITY FOR ACCENTS, INJURIES, DEATHS, ETC. OR CLAIMS RELATING THERETO WHICH MAY RESULT FROM LACK OF ADHERENCE TO SAID CODES.
- TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE APPLICABLE ARTICLES OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", LATEST EDITIONS. TRAFFIC CONTROL AND PROTECTION SHALL BE PROVIDED AS CALLED FOR IN THESE SPECIFICATIONS, ON THE PLANS, OR AS DIRECTED BY THE ENGINEER. NO MODIFICATIONS OF THESE REQUIREMENTS SHALL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER. THE COST OF TRAFFIC CONTROL AND PROTECTION IS INCIDENTAL TO THE BID AND NO FURTHER COMPENSATION WILL BE AWARDED.

GENERAL CONSTRUCTION NOTES

- AS PART OF THE BIDDING PROCEDURE, THE CONTRACTOR SHALL VERIFY THAT QUANTITIES AS SHOWN IN THESE PLANS ARE ESSENTIALLY CORRECT; IF DISCREPANCIES OR ERRORS ARE DETECTED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE ERROR PRIOR TO THE BID DATE.
- IMPROVEMENT REPRESENTATIONS SHOWN IN THESE PLANS ARE AS ACCURATE AS POSSIBLE FROM INFORMATION AVAILABLE, SOME SUCH REVISIONS MAY BE REQUIRED TO ACCOMMODATE UNFORESEEN CIRCUMSTANCES. THE ENGINEER SHALL BE APPRISED OF ANY NECESSARY REVISIONS WITH SUFFICIENT LEAD TIME TO PROPERLY CONSIDER AND ACT UPON SAID REQUEST.
- ALL VALVE BOXES, VIALTS, STRUCTURES, MANHOLES, FRAMES, OR OTHER STRUCTURES REQUIRING ADJUSTMENT SHALL BE ADJUSTED TO FINAL GRADES AS DETERMINED ACCEPTABLE BY THE CITY OF SYCAMORE. COST TO BE INCIDENTAL TO EARTH EXCAVATION. THE MAXIMUM ADJUSTMENT FOR ANY UTILITY STRUCTURE WITH ADJUSTING RINGS IS 8", UNLESS OTHERWISE APPROVED BY THE ENGINEER AND THE UTILITY OWNER. ANY ADJUSTMENT OVER 8" MUST INCORPORATE ADDITIONAL BARREL SECTIONS FOR THE MANHOLE, VAULT, ETC.
- ALL UNDERGROUND INSTALLATIONS OF FLEXIBLE THERMOPLASTIC PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE PROCEDURES OUTLINED IN THE LATEST VERSION OF ASTM D2321. THE PIPE SHALL BE BEDDED TRUE TO LINE AND GRADE WITH UNIFORM AND CONTINUOUS SUPPORT FROM A FIRME BASE. BLOCKING SHALL NOT BE USED TO BRING THE PIPE TO GRADE. BACKFILL MATERIAL SHALL BE PROPERLY PLACED AND COMPACTED TO PROVIDE LATERAL SUPPORT AGAINST DEFLCTION IN THE PIPE DIAMETER. CRUSHED LIMESTONE CA-07 SHALL BE USED FOR BEDDING, HAUNCHING AND FINAL BACKFILL TO A MINIMUM OF 12" ABOVE THE TOP OF THE PIPE. BEDDING, HAUNCHING, AND FINAL BACKFILL SHALL BE IN ACCORDANCE WITH SECTION 20-2.20 AND SECTION 20-2.21 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS FOR ALL STORM SEWERS, CULVERTS, WATERMAIN, TILE AND RIGID SANITARY SEWERS REGARDLESS OF PIPE MATERIAL BEING USED. BEDDING AND HAUNCHING MATERIAL IS NOT REQUIRED WHERE RIGID PIPE MATERIALS ARE USED FOR WATERMAIN OR FORCE MAINS. THE FINAL BACKFILL FOR TRENCHES AND EXCAVATION MADE IN EXISTING OR UNDER PROPOSED PAVEMENTS WHERE THE INNER EDGE OF THE TRENCH IS WITHIN TWO (2) FEET OF THE EDGE OF PAVEMENT, CURB, GUTTER, CURB AND GUTTER, STABILIZED SHOULDER OR SIDEWALK MAY BE MADE FROM THE EXCAVATED MATERIAL FROM THE TRENCH PROVIDED IT IS COMPACTED TO A MINIMUM 85% OF STANDARD PROCTOR DENSITY. WHERE THE EXCAVATED MATERIAL IS UNSUITABLE FOR FINAL BACKFILL, AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL FURNISH ADDITIONAL SATISFACTORY GRANULAR BACKFILL MATERIAL. THIS ADDITIONAL GRANULAR BACKFILL FURNISHED FROM AN OFF SITE SOURCE AND THE DISPOSAL OF UNSATISFACTORY MATERIALS UNDER THESE CIRCUMSTANCES SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR TRENCH BACKFILL IN ACCORDANCE WITH STANDARD DRAWING NO. 2 IN THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION, IN ILLINOIS. SUITABLE FINAL BACKFILL COLLECTED ON SITE SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE BID PER FOOT OF CONDUIT CONSTRUCTED OF THE SIZE SPECIFIED. BEDDING, HAUNCHING, AND INITIAL BACKFILL SHALL NOT BE MEASURED FOR SEPARATE PAYMENT, BUT SHALL BE INCLUDED AS PART OF THE RESPECTIVE UNIT BID PRICE PER FOOT OF CONDUIT CONSTRUCTION OF THE SIZE SPECIFIED.
- STREET LIGHTING WILL BE INSTALLED TO CITY OF SYCAMORE STANDARDS AS TO TYPE AND FINAL LOCATION.
- THE CONTRACTOR SHALL KEEP A LOG OF THE SEWER AND WATERMAIN SERVICE LOCATIONS AT THE MAIN AS WELL AS AT THE PROPERTY OR EASEMENT LINE. A DISTANCE SHALL BE RECORDED FROM THE DOWNSTREAM MANHOLE TO THE SANITARY VIES OR TEES. THE DIMENSION TO THE END OF THE SERVICE SHALL BE RECORDED FROM THE NEAREST PROPERTY PIN. THE DEPTH FROM FINISHED GRADE AT THE END OF THE SERVICE SHALL ALSO BE RECORDED. A MINIMUM OF A 4" X 4" POST SHALL BE INSTALLED AT THE END OF EACH WATER AND SEWER SERVICE. SAD POSTS SHALL EXTEND A MINIMUM OF 24" ABOVE FINISHED GRADE AND SHALL EXTEND TO THE END OF THE UTILITY SERVICE LINE. THE WATER AND SEWER SERVICE LOGS SHALL BE GIVEN TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE.
- DEPRESSED (HANDICAPPED) CURBS ARE REQUIRED AT ALL LOCATIONS WHERE SIDEWALKS INTERSECT CURBING.
- ALL MANHOLE AND CLEANOUT LIDS SHALL BE APPROPRIATELY MARKED WITH "SANITARY" FOR SANITARY SEWERS, "STORM" FOR STORM SEVRS, AND "WATER" FOR VALVE VAULTS, UNLESS OTHER WRITTEN DIRECTION IS GIVEN BY THE CITY OF SYCAMORE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING THE DESIGN ENGINEER WITH ALL REQUIRED "AS-BUILT" DIMENSIONS AND OTHER DATA SO THE ENGINEER MAY PREPARE "AS-BUILT" DRAWINGS FOR CITY OF SYCAMORE USE.

SANITARY SEWER CONSTRUCTION

- ALL POLYVINYL CHLORIDE (PVC) SEWER PIPE AND FITTINGS, HEAVY DUTY SDR-26, SHALL CONFORM TO A.S.T.M. D-3034 WITH A D-3212 JOINT. IT SHALL BE BEDDED PER DETAILS INCLUDED IN THE CONSTRUCTION PLANS WITH CLASS ONE MATERIALS. SEE NOTE 25 ABOVE FOR BACKFILL REQUIREMENTS. ALL DUCTILE IRON PIPE FOR SEWER MAINS SHALL BE CLASS 50 WITH PUSH-ON COMPRESSION GASKET JOINT. THE PIPE SHALL CONFORM TO ANSI A21.51 (AVVA C-151). ALL PIPE FITTINGS SHALL BE MECHANICAL JOINT DUCTILE IRON FITTINGS (MEGA-LUG) CONFORMING TO ANSI A21-10 (AVVA C-110) AND ANSI 21.11 (AVVA C-111). SEE NOTE 25 ABOVE FOR BACKFILL REQUIREMENTS.
- WHERE REQUIRED, THE SERVICES SHALL BE CONSTRUCTED OF WATERMAIN QUALITY PIPE MEETING ASTM D-2241 WITH ASTM D-3139 JOINTS. SUBSTITUTION OF WATERMAIN QUALITY MATERIALS SHALL BE INCIDENTAL TO THE COST OF SANITARY SERVICES. THE COST OF TRENCH BACKFILL FOR SANITARY SERVICES SHALL BE INCLUDED IN THE PRICE BID FOR SANITARY SERVICE.
- RAW SEWAGE SHALL NOT BE BYPASSED OUT OF THE SANITARY SYSTEM AT ANY TIME.
- MEASUREMENT FOR PAYMENT OF SANITARY SEWER SHALL BE PERFORMED HORIZONTALLY AT FINISHED GRADE, THROUGH THE MANHOLES.
- ALL SANITARY SEWER SHALL BE AIR TESTED (LOW PRESSURE) IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS". SANITARY SEWERS SHALL ALSO BE TESTED FOR DEFLECTION WITH MAXIMUM ALLOWABLE DEFLECTION BEING 5% OF PIPE DIAMETER, AS DETERMINED BY RUNNING A MANDEL THROUGH ALL SEWER SECTIONS. DEFLECTION TESTING NO SOONER THAN 30 DAYS AFTER INSTALLATION OF LAST PIECE OF PVC. CONTRACTOR TO NOTIFY SANITARY DISTRICT ON DAY LAST PVC IS INSTALLED SO 30 DAY PERIOD CAN COMMENCE. ALL SEWER SEGMENTS TO BE LAMPED FOR LINE AND GRADE. COST OF ALL TESTING (INCLUDING SUBSEQUENT RE-TESTING) IS INCIDENTAL TO COST BID FOR SANITARY SEWERS. REPAIRS NECESSITATED BY DEFECTS FOUND DURING TESTING SHALL BE PERFORMED IMMEDIATELY, AT THE CONTRACTOR'S EXPENSE. TELEVISION INSPECTION IS REQUIRED (AT CONTRACTOR'S EXPENSE) AND SHALL BE WITNESSED BY THE SUPERINTENDENT.
- SANITARY MANHOLE FRAMES AND CLEANOUTS SHALL BE LEFT ONE INCH ABOVE FINISHED GRADE IN UNPAVED AREAS AND AT FINISHED GRADE IN PAVED AREAS. THE MANHOLE FRAMES AND LIDS ON THE SANITARY SEWER MUST CONFORM TO THE SPECIFICATIONS OF THE CITY OF SYCAMORE FOR SANITARY SEWER CONSTRUCTION.

STORM SEWER CONSTRUCTION

- PRECAST REINFORCED STORM SEWER PIPE SHALL CONFORM TO A.S.T.M. C-76 (CLASS IV) WITH JOINTS CONFORMING TO A.S.T.M. C-443 (O-RING GASKET IS REQUIRED WHERE CALLED FOR ON PLANS INCLUDING ALL EASEMENT INSTALLATIONS). PVC STORM SEWER PIPE SHALL CONFORM TO ASTM D-3034 (SDR 26) AND JOINTS SHALL CONFORM TO ASTM D-3212.
- STORM SEWER PIPE SHALL BE BEDDED IN ACCORDANCE WITH THE DETAILS INCLUDED IN THE CONSTRUCTION DRAWINGS; COST OF BEDDING AND TRENCH BACKFILL IS INCIDENTAL. WHERE THE STORM SEWER LIES IN THE ROADWAY OR IS WITHIN 2 FEET OF THE BACK OF CURB, IT SHALL BE BACKFILLED IN ACCORDANCE WITH NUMBER 25 OF THESE SPECIFICATIONS.
- STORM SEWER MANHOLE AND INLET CASTINGS SHALL CONFORM TO THE CITY OF SYCAMORE STANDARDS.
- THE CLASS OF ALL STORM SEWER SHALL BE IN CONFORMANCE WITH IDOT'S SPECIFICATIONS.

WATERMAIN CONSTRUCTION

- ALL PIPE FOR WATER MAINS SHALL BE DUCTILE IRON PIPE CLASS 53 WITH A PUSH-ON COMPRESSION GASKET JOINT. PIPE SHALL CONFORM TO ANSI A21.51 (AVVA C-151). ALL PIPE FITTINGS SHALL BE MECHANICAL JOINT (MEGA-LUG) DUCTILE IRON FITTINGS CONFORMING TO ANSI A21-10 (AVVA C-110) AND ANSI 21.11 (AVVA C-111). SEE NOTE 25 ABOVE FOR BACKFILL REQUIREMENTS.
- ALL VALVES, HYDRANTS, FITTINGS, CURB STOPS, CORPORATION STOPS, VALVE BOXES, ETC., SHALL COMPLY WITH STANDARDS OF THE LOCAL WATER AND FIRE DEPARTMENTS. THE CONTRACTOR IS TO VERIFY THESE STANDARDS PRIOR TO BIDDING. ALL FRAMES, LIDS AND OTHER CASTINGS SHALL CONFORM TO CITY OF SYCAMORE STANDARDS. THE COST OF TRENCH BACKFILL FOR WATER SERVICES SHALL BE INCLUDED IN THE PRICE BID PER WATER SERVICE COMPLETE.
- FIRE HYDRANT ASSEMBLIES SHALL CONSIST OF:
 - FIRE HYDRANT
 - GATE VALVE AND CAST IRON BOX
 - M.J. REDUCER AS REQUIRED
 - M.J. TEE AS REQUIRED
 - 6" WATERMAIN AS REQUIRED
 ALL HYDRANTS, VALVES, FITTINGS, AND BENDS SHALL BE PROPERLY THRUST-BLOCKED AS SHOWN ON THE DETAIL SHEETS. THE COST OF THRUST BLOCKING SHALL BE INCIDENTAL TO THE PRICE BID PER LINEAL FOOT OF WATER MAIN.
- ALL WATERMAINS SHALL BE PRESSURE TESTED, DISINFECTED AND TESTED FOR CONTAMINATION PRIOR TO PUTTING THE SYSTEM INTO SERVICE; THIS SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF SYCAMORE AND ILLINOIS ENVIRONMENTAL PROTECTION AGENCY REQUIREMENTS. COST OF ALL TESTING (INCLUDING RE-TESTING IF REQUIRED) IS INCIDENTAL TO COST BID FOR WATER MAIN. REPAIRS NECESSITATED BY DEFECTS FOUND DURING TESTING SHALL BE PERFORMED IMMEDIATELY, AT THE CONTRACTOR'S EXPENSE.
- ALL WATERMAIN, HYDRANT STUBS, ETC. SHALL HAVE A MINIMUM DEPTH OF COVER OF 5.5 FEET FROM THE CROWN OF THE PIPE TO FINISHED GRADE. TO ENSURE PROPER DEPTH, ROUGH GRADING OF THE AREA SHALL BE PERFORMED TO WATERMAIN INSTALLATION.
- WHERE ENCASEMENT FOR WATER SUPPLY PROTECTION IS REQUIRED, IT SHALL CONSIST OF PLACING A LENGTH OF Ductile IRON AROUND THE WATERMAIN, AND SEALING (WATERPROOFING) OF BOTH ENDS; SAID LENGTH SHALL BE CENTERED SUCH THAT THE WATERMAIN IS PROTECTED 10' EITHER SIDE OF THE CROSSING. SHOULD IT BE NECESSARY TO LOWER THE WATERMAIN OR WATER SERVICE TO PROVIDE MINIMAL COVERAGE AND CLEARANCES WITH OTHER UTILITIES, THE COST OF THIS WORK (INCLUDING ADDITIONAL PIPE, FITTINGS, EARTHWORK, ETC.) SHALL BE CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE UNIT PRICE BID FOR WATERMAIN, VALVES, VALVE VAULTS, HYDRANT, ETC. OF CONVENTIONAL DEPTH, NO EXTRA COMPENSATION WILL BE AWARDED.
- MINIMUM HORIZONTAL AND VERTICAL SEPARATIONS BETWEEN ANY WATER MAIN OR SERVICE AND ANY EXISTING OR PROPOSED SEWER SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" (LATEST EDITION). IF MINIMUM HORIZONTAL OR VERTICAL SEPARATION REQUIREMENTS CANNOT BE OBTAINED, THE REQUIREMENTS SPECIFIED IN THE ABOVE REFERENCED SPECIFICATIONS SHALL BE MET.

GENERAL EXCAVATION

- GREEN AREAS WHERE EXCAVATION HAS BEEN PERFORMED SHALL RECEIVE 4" (MINIMUM) OF APPROVED COMPACTED TOPSOIL ALONG WITH SEEDING. TOPSOIL AND SEEDING MATERIALS AND METHODS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. THE REQUIRED 4" TOP SOIL SHALL BE SPREAD OVER THE ENTIRE DISTURBED AREA AND FERTILIZED, SEEDED AND MULCHED WITH STRAW. THE SEEDING MIXTURE TO BE USED:

KENTUCKY BLUE GRASS	100#/ACRE
FERNINNED RYE GRASS	50#/ACRE
FINE LEAF TURF TYPE FESCUE	50#/ACRE
ANNUAL RYE GRASS	40#/ACRE

 THE STARTER FERTILIZER SHALL HAVE A COMPOSITION OF 6-24-24 OR APPROVED EQUAL AT A RATE OF 400#/ACRE.
- ALL AREAS OF UNSUITABLE SUBGRADE MATERIAL (AS DETERMINED BY THE CITY) SHALL BE UNDERCUT AND REPLACED WITH SUB-BASE GRANULAR MATERIAL SPECIAL (8" TOP SIZE CRUSHER RUN LIMESTONE WITH LIMITED FINES).
- THE SUBGRADE SHALL BE TEST-ROLLED IN THE PRESENCE OF THE ENGINEER PRIOR TO PLACEMENT OF THE AGGREGATE BASE COURSE. LIKEWISE, THE BASE COURSE SHALL BE TEST-ROLLED IN THE PRESENCE OF THE ENGINEER PRIOR TO PAVING. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS PRIOR TO ANY TESTS. PROOF-ROLLING SHALL BE PERFORMED WITH A FULLY LOADED SIX WHEELER.
- THE SURFACE COURSE SHALL BE LAID TWO YEARS AFTER THE BINDER COURSE UNLESS OTHER WRITTEN DIRECTION IS GIVEN BY THE CITY OF SYCAMORE. THE BINDER COURSE SHALL BE CLEARED AND A TACK COAT APPLIED AT A RATE OF 0.10 GAL/SY.
- THE COST OF AGGREGATE UNDER THE CURB AND GUTTER AND SIDEWALK AND BACKFILLING THE CURB AND GUTTER IS INCIDENTAL TO THE PRICE BID PER LINEAL FOOT OF CURB AND GUTTER.
- ALL SURPLUS EXCAVATED MATERIAL FROM THE UTILITY TRENCHES OR EARTHWORK IS TO BE STOCKPILED, SPREAD, OR PLACED IN LOCATIONS ON SITE AS DIRECTED BY THE ENGINEER. COST FOR TRANSPORT IS CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF EARTHWORK. SAND, GRAVEL OR CLAY MATERIAL SHALL NOT BE LEFT ON SURFACE; THIS MATERIAL SHALL BE COVERED WITH A MINIMUM OF 4" OF COMPACTED TOPSOIL (COST TO BE INCIDENTAL).
- ALL EXCESS EXCAVATED MATERIAL AND TOPSOIL SHALL BE USED TO BRING THE LOTS AND OTHER AREAS TO PLANNED ELEVATIONS AS DIRECTED BY THE ENGINEER OR AS SHOWN ON THE GRADING PLAN. NO EXCAVATED EARTH MATERIAL SHALL BE HAULED OFF-SITE WITHOUT WRITTEN APPROVAL FROM THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUGH GRADING THE DEPOSITED MATERIAL TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL BE REQUIRED TO PREVENT EROSION AND SILTATION OF DITCHES, CATCH BASINS, INLETS, ETC. DURING CONSTRUCTION. THE CONTRACTOR SHALL USE SILT FENCES, HAY BALES, ETC. STAKED IN PLACE TO PREVENT EROSION AND SILTATION. THE CONTRACTOR SHALL INSPECT AND CLEAN ALL DITCHES, DRAINAGE STRUCTURES AND CONDUITS ON A DAILY BASIS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING THAT A "NOTICE OF INTENT" (NOI) HAS BEEN SUBMITTED TO THE E.P.A. CONSTRUCTION MAY NOT BEGIN AT THE SITE UNTIL 48 HOURS HAVE PASSED SINCE THE TIME OF SUBMITAL OF THE NOI TO THE E.P.A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING THE REQUIREMENTS OF THE NOI, INCLUDING THE REQUIREMENT THAT A EROSION AND SEDIMENTATION CONTROL PLAN BE AVAILABLE ALL TIMES AT THE CONSTRUCTION SITE. THE CONTRACTOR SHALL FOLLOW THE E.P.A. ILLINOIS URBAN MANUAL, 1995. THE REMOVAL OF SOME EROSION CONTROL MEASURES WHEN SURFACES ARE STABILIZED WILL BE REQUIRED. THE COST OF ALL MAINTENANCE AND UPKEEP OF EROSION CONTROL ITEMS SHALL BE INCIDENTAL TO THE COST OF INSTALLATION OF SAME. ITEMS NOT EXPRESSLY LISTED IN THE QUANTITIES BUT REQUIRED FOR EROSION CONTROL SHALL BE PROVIDED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER OR HIS AGENTS.
- THE CONTRACTOR SHALL INSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH CONSTRUCTION DAY. SITE DRAINAGE SHALL BE ACHIEVED BY DITCHING, PUMPING, OR ANY OTHER METHOD ACCEPTABLE TO THE ENGINEER.
- NO PAYMENT SHALL BE MADE FOR ANY WORK OTHER THAN THAT LISTED IN THE SUMMARY OF QUANTITIES. ALL ITEMS OF WORK NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE PLANS SHALL BE INCLUDED IN THE PRICE FOR ITEMS AS LISTED IN THE SUMMARY OF QUANTITIES. FINAL MEASUREMENTS FOR PAYMENT SHALL BE MADE BY THE ENGINEER.



CES INC. 508 (815)
PARKSIDE SU
DRAWN BY DATE
TAB 10/19/
CHECKED BY DATE
KCB 10/19/
FILE: DS

SCALE 1" = 40'

SCALE 1" = 40'

4" SUMP LINE CONNECTION TO RCCP TO BE AN INSERTA TEE FITTING. PIPE TO BE CORE-DRILLED FOR THIS CONNECTION.

12" DIA. 4" 1/4" STEEL PLATE GROUTED IN PLACE ORIFICE PLATE DETAIL

GRADING, DETENTION AND EROSION CONTROL PLAN

REVISED 3/1/02 TAB PER J.B.
REVISED 1/10/02 TAB PER J.B.
REVISED 1/7/02 TAB PER MILAN
REVISED 12/12/01 TAB OFFSITE STORM
REVISED 11/26/01 LBW - DETENTION POND & STORM SEWER

CIVIL ENGINEERING SERVICES
CES INC. 700 WEST LOCUST ST. BELVIDERE, IL 61010
(815)-547-8435 FAX: (815)-544-0400

PARKSIDE SUB. PLAT #1
DRAWN BY DATE SHEET
SLS/TAB 10/18/01 4
CHECKED BY DATE
KCB 10/18/01
FILE: DS0828G1.DWG (J.B. & CON)

GRADING, EROSION *DETENTION AND* CONTROL PLAN

SED 3/14/02 TAB PER J.B.	SED 1/10/02 TAB PER J.B.	
SED 1/7/02 TAB PER MILAN	SED 12/12/01 TAB OFFSITE STORM	
SED 11/26/01 LBW - DETENTION POND & STORM SEWER	CIVIL ENGINEERING SERVICES 700 WEST LOCUST ST., BELVIDERE, IL 610 (815)-547-8435 FAX: (815)-544-0	
PARKSIDE SUB. PLAT #1		
AWN BY LS/TAB	DATE 10/18/01	SHEE
CKED BY KCB	DATE 10/18/01	4
E: DS0828G1.DWG		(J.B. & CON)

2' x 3' RECT. C.B. WITH 2' SUMP
CASTING TO BE A NEENAH
R-1878-B7G.
RIM = 834.00
INV. = 830.56
INSTALL 4" ORIFICE PLATE
IN INVERT OF 12" OUTLET PIPE

SED 3/14/02 TAB PER J.B.	SED 1/10/02 TAB PER J.B.	
SED 1/7/02 TAB PER MILAN	SED 12/12/01 TAB OFFSITE STORM	
SED 11/26/01 LBW - DETENTION POND & STORM SEWER	CIVIL ENGINEERING SERVICES 700 WEST LOCUST ST., BELVIDERE, IL 610 (815)-547-8435 FAX: (815)-544-0	
PARKSIDE SUB. PLAT #1		
AWN BY LS/TAB	DATE 10/18/01	SHEE
CKED BY KCB	DATE 10/18/01	4
E: DS0828G1.DWG		(J.B. & CON)

