

**GENERAL NOTES**

- THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY FIELD INVESTIGATION AND SEARCH OF AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE. UTILITIES SHOWN IN PROFILE ARE PLACED ACCORDING TO THE FOLLOWING: ELECTRIC, PHONE, FIBER OPTICS - 2' COVER, GAS - 3' COVER AND WATER MAIN - 4' COVER. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITIES SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.
- THE CONTRACTOR SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 (TEN) DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES AS REGARDS TO THEIR FACILITIES.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR MUST CALL J.U.L.I.E. AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE, GAS FACILITIES, AND ALL PUBLIC UTILITIES. A 48 HOURS NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWER AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE.
- UTILITY POLES, PEDESTALS, FIRE HYDRANTS AND VAULTS IN THE AREA WHERE THE IMPROVEMENT IS TO TAKE PLACE ARE TO BE MOVED OR ADJUSTED, IF NECESSARY, BY THE APPROPRIATE UTILITY.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTTING PROPERTY OWNERS AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.
- THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PROTECT PUBLIC AND PRIVATE PROPERTY. IF AT ANY TIME HE/SHE DAMAGES OR DESTROYS PUBLIC OR PRIVATE PROPERTY, THE CONTRACTOR SHALL AT HIS/HER OWN EXPENSE RESTORE SUCH PROPERTY TO A CONDITION EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE.
- WHERE SECTION STONES OR PROPERTY MARKERS ARE ENCOUNTERED, ALL MARKERS SHALL BE PROTECTED AND PRESERVED UNTIL AN OWNER OR PROFESSIONAL LAND SURVEYOR HAS WITNESSED AND REFERENCED THEIR LOCATION.
- WHEREVER IN THESE PLANS REFERENCE IS MADE TO THE "STANDARD SPECIFICATIONS", IT IS UNDERSTOOD TO INCLUDE THE "SUPPLEMENTAL SPECIFICATIONS" INCLUDED IN THE PROPOSAL.
- THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION. THE CONTRACTOR WILL NOT BE ALLOWED TO BUILD FIRES ON THE SITE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO THE LUMP SUM PAY ITEMS.
- ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM.
- ONLY THOSE TREES INDICATED IN THE PLANS TO BE REMOVED SHALL BE REMOVED. ALL TREES AND SHRUBS INDICATED ON THE PLANS FOR REMOVAL SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE.
- WHERE PROPOSED CONSTRUCTION ABUTS EXISTING APPURTENANCES, A SAW CUT SHALL BE MADE TO ACHIEVE A NEAT BUTT JOINT. SAW CUTS WILL NOT BE PAID FOR SEPARATELY. COST OF SAW CUTS SHALL BE INCLUDED IN THE TYPE OF WORK ENCOUNTERED.
- TRAFFIC SIGNS REMOVED MUST BE RESET AT THEIR PERMANENT LOCATIONS IN A WORKMANLIKE MANNER AND VISIBLE TO TRAFFIC ON THE ROADWAY AS DIRECTED BY THE ENGINEER. THESE SIGNS SHALL BE RESET BEFORE THE ROADWAY IS OPEN TO TRAFFIC. COST OF SUCH WORK SHALL BE INCLUDED WITH THE COST OF EARTH EXCAVATION.
- THE CONTRACTOR SHALL COMPLY WITH THE ENVIRONMENTAL PROTECTION AGENCY (E.P.A.) REGULATIONS WHICH APPLY TO THE STORM SEWER CONSTRUCTION REGARDING THE HORIZONTAL AND VERTICAL SEPARATION OF A STORM SEWER LINE FROM ANY EXISTING WATERMAIN. AT LOCATIONS WHERE THE SEPARATION IS INADEQUATE, CITY WATER LIGHT AND POWER (C.W.L.P.) SHALL ADJUST THE WATERMAIN TO PROVIDE THE REQUIRED SEPARATION OR THE STORM SEWER SHALL BE CONSTRUCTED OF THE MATERIAL SPECIFIED IN THE E.P.A. REGULATIONS.
- THE ELEVATIONS AND EXACT SIZE OF ALL EXISTING WATERMANS AND SANITARY SEWERS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION OF EACH RUN OF STORM SEWER TRUNK LINE OR LATERAL LINE WITHIN WHICH A CROSSING OF EITHER OR BOTH TYPES OF THESE EXISTING UTILITIES IS TO BE ENCOUNTERED. THE CONTRACTOR SHALL THEN DETERMINE WHICH OF THE ABOVE OPTIONS HE WILL USE TO RESOLVE THE CONFLICT BETWEEN THE PROPOSED STORM SEWER AND THE EXISTING UTILITY. THE APPROVAL OF THE RESIDENT ENGINEER AND THE SUPERINTENDENT OF THE UTILITY SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO STARTING CONSTRUCTION OF THIS SEGMENT OF STORM SEWER.
- FOR INLETS AND MANHOLES CONSTRUCTED IN CONJUNCTION TO THE CURB/GUTTER, THE OFFSET DISTANCE SHOWN ON THE PLANS IS FROM THE CENTERLINE OF CONSTRUCTION TO THE CENTER OF THE STRUCTURE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONSTRUCT EACH INLET OR MANHOLE, AT THE PROPOSED LOCATION SO THAT THE FRAME MATCHES THE CURB LINE.
- CA-6 GRANULAR CRADLE CONSISTS OF BEDDING AND HAUNCHING. IT SHALL BE PLACED IN ACCORDANCE WITH SECTION 20-2.20 OF THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS, MAY, 1996, FIFTH EDITION. IT WILL NOT BE MEASURED FOR PAYMENT, BUT WILL BE CONSIDERED INCLUDED IN THE UNIT PRICE BID FOR STORM SEWER AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. INITIAL BACKFILL AND FINAL BACKFILL SHALL CONSIST OF CA-6 AND SHALL BE PLACED IN ACCORDANCE WITH SECTION 20-2.21 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, MAY 1996, FIFTH EDITION. THIS WILL BE MEASURED FOR PAYMENT ACCORDING TO THE MAXIMUM WIDTH FOR PAYMENT AND WILL BE PAID FOR AS TRENCH BACKFILL.
- ADDITIONAL DEPTH REQUIRED IN DRAINAGE STRUCTURES DUE TO CONFLICTS WITH OTHER UTILITY LINES WILL BE CONSIDERED INCLUDED IN THE UNIT PRICE BID FOR DRAINAGE STRUCTURES AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS GRADING AND TRENCHING OPERATIONS AROUND TRANSMISSION LINES. THE ADDED COST OF SO DOING SHALL BE INCLUDED WITH THE COST OF STORM SEWER.
- FRAMES AND GRATES ON EXISTING STRUCTURES, PIPE CULVERTS AND WATER MAIN WHICH ARE TO BE REMOVED, ABANDONED, OR WHICH OTHERWISE ARE NOT INCORPORATED INTO THE IMPROVEMENT SHALL BECOME THE PROPERTY OF THE CITY OF SPRINGFIELD. THE CONTRACTOR SHALL STORE THE FRAMES AND GRATES WITHIN THE RIGHT OF WAY AT LOCATIONS DESIGNATED BY THE ENGINEER.
- THE COST OF ADDITIONAL LABOR AND MATERIALS NOT ACCOUNTED FOR ON THE PLANS, WHICH MIGHT BE INVOLVED IN CONNECTING EXISTING DRAIN TILE OR STORM SEWERS TO PROPOSED DRAINAGE STRUCTURES, SHALL BE INCLUDED WITH THE COST OF THE STORM SEWER OR STORM STRUCTURE.
- MAXIMUM HEIGHT OF ADJUSTING RINGS ALLOWED ON ANY STRUCTURE IS 6".
- EXISTING CONCRETE SIGN BASES AND OTHER MISCELLANEOUS CONCRETE NOT SPECIFICALLY SHOWN ON THE PLANS, BUT INTERFERING WITH PROPOSED CONSTRUCTION, SHALL BE REMOVED. COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- THE REMOVAL OF HOT-MIX ASPHALT SURFACING NOT ON RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION.
- WHENEVER IT IS NECESSARY TO REMOVE BITUMINOUS AGGREGATE MIXTURE, OIL AND CHIP SURFACE, EXISTING GRAVEL OR CRUSHED STONE BASE COURSE, IT SHALL BE REMOVED AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ADDITIONAL LABOR OR EQUIPMENT REQUIRED.
- SEE SHEET 17 FOR EROSION CONTROL NOTES.
- THE FOLLOWING APPLICATION RATES WERE USED IN CALCULATING QUANTITIES:

NITROGEN FERTILIZER NUTRIENTS	90 POUNDS/ACRE
PHOSPHORUS FERTILIZER NUTRIENTS	90 POUNDS/ACRE
POTASSIUM FERTILIZER NUTRIENTS	90 POUNDS/ACRE
AGRICULTURAL GROUND LIMESTONE	2 TONS/ACRE
TEMPORARY EROSION CONTROL SEEDING (5 APPLICATIONS)	100 POUNDS/ACRE
LIME	0.02 TONS/SQ YD
HOT-MIX ASPHALT SURFACES	0.056 TONS/SQ YD-INCH

**LEGEND**

○	IRON PIN SET
△	SET SPIKE NAIL
□	EX POWER POLE
⊗	EX POWER POLE WITH TRANSFORMER
⊕	EX POWER POLE WITH LIGHT
⊙	EX ORNAMENTAL STREET LIGHT
—	EX GUY WIRE
—	EX TELEPHONE SPLICE BOX
—	EX SIGN
—	EX RIGHT OF WAY MARKER
—	EX MAILBOX
—	EX FIRE HYDRANT
—	EX WATER VALVE
—	EX GAS VALVE
—	EX ELECTRIC BOX
—	EX IRRIGATION CONTROL VALVE
—	EX MANHOLE
—	EX INLET
—	EX FLARED END SECTION
—	EX FLOODLIGHT
—	EX DECIDUOUS TREE
—	EX CONIFEROUS TREE
—	EX CONTOUR
—	EX SANITARY SEWER
—	EX STORM SEWER
—	EX WATER MAIN
—	EX GAS LINE
—	EX FIBER OPTIC LINE
—	EX BURIED TELEPHONE LINE
—	EX OVERHEAD ELECTRIC LINE
—	EX UNDERGROUND ELECTRIC LINE
—	EX IRRIGATION CONTROL
—	EX 4" PVC UNDERDRAIN
—	EX FENCE
—	PR STORM SEWER
—	PR STORM INLET
—	PR STORM MANHOLE
—	PR FLARED END SECTION

SEE SHEETS 8-12 FOR REMOVAL LEGEND  
SEE SHEET 17 FOR EROSION CONTROL AND SEEDING NOTES

**STANDARDS**

280001-05	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
602301-02	INLET, TYPE A
602306-02	INLET, TYPE B
602401-02	MANHOLE, TYPE A
602406-03	MANHOLE, TYPE A, 1.8 m (6') DIAMETER
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS, TYPE 1
604006-04	FRAME AND GRATE, TYPE 3
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-03	OFF-ROAD OPERATIONS, 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-02	TYPICAL PAVEMENT MARKINGS
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
BLR 21-8	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

**SPECIFICATIONS**

SPECIFICATIONS SHALL BE THOSE OF THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007, AND THE SUPPLEMENTARY SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JANUARY 1, 2010.

STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, SIXTH ADDITION, ADOPTED JULY, 2009.

MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2003 EDITION INCLUDING REVISION 1 DATED NOVEMBER, 2004 AND THE ILLINOIS SUPPLEMENT (MUTCD).

**UTILITY CONTACTS**

CITY WATER, LIGHT AND POWER - WATER DEPT.  
401 N. 11th STREET  
SPRINGFIELD, IL 62702  
ATTENTION: STEVE STEWART (217) 789-2022

CITY WATER, LIGHT AND POWER - ELECTRIC DEPT.  
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ATTENTION: ROLEEN THOELE (217) 757-8520

AT&T  
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SPRINGFIELD, IL 62707  
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<p>SHEET TITLE</p> <p><b>GENERAL NOTES, HIGHWAY STANDARDS &amp; LEGEND</b></p>		<p>PROJECT NO. 09040</p>
<p>PROJECT FAU RTE. 8046 (MEADOWBROOK ROAD) SECTION 09-00465-00-PV CITY OF SPRINGFIELD SANGAMON COUNTY</p>		<p>SCALE</p> <p>DATE 4/19/10</p> <p>DRAWN BY PPW</p> <p>CHECKED BY</p>
<p><b>Coombe-Bloxdorf P.C.</b> -CIVIL ENGINEERS- -STRUCTURAL ENGINEERS- -LAND SURVEYORS- Phone: 217/544-8477 Design Firm License No. 184-002703 755 South Grand Ave. W, Springfield, IL 62704</p>		<p>DRAWING NO. 2</p> <p>OF 30 SHTS</p>