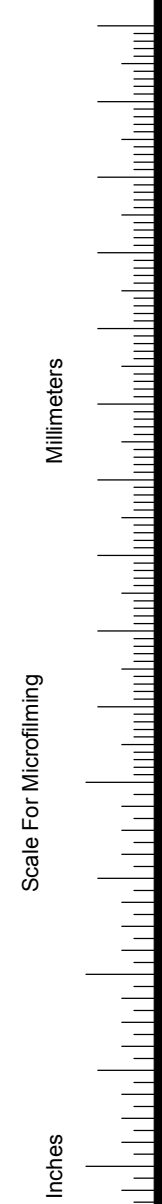
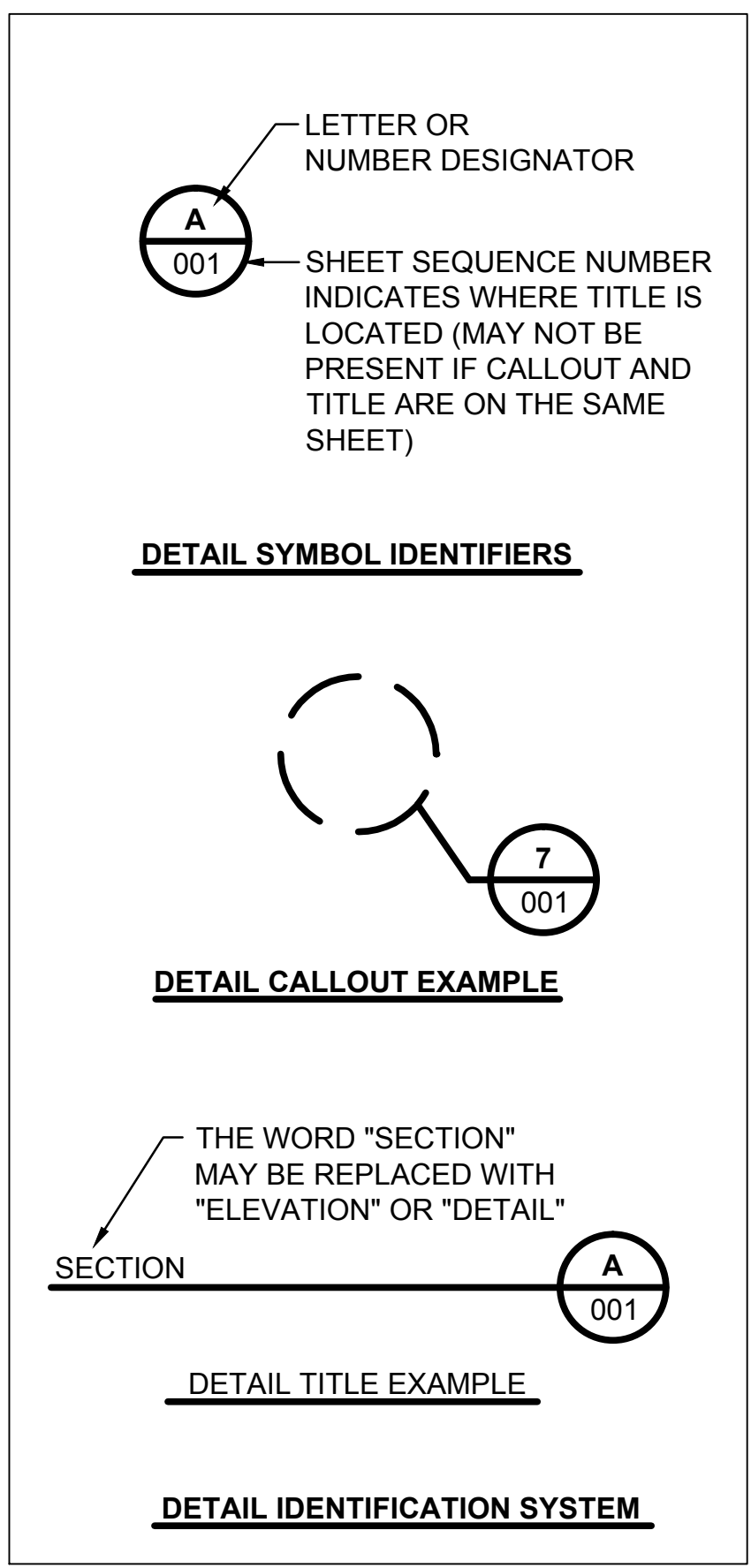


- 20. RESTORATION OF LAWNS IS SUBSIDIARY TO THE PROJECT, INCLUDED IN SITE RESTORATION. RESTORATION OF PAVEMENT WILL BE MEASURED AND PAID FOR PER SQUARE FOOT BASIS AS MEASURED ALONG THE CENTERLINE OF THE WATER MAIN REGARDLESS OF WIDTH, PAVEMENT TYPE AND/OR PAVEMENT THICKNESS. MINIMUM UNITS OF SUCH PAVEMENT REMOVAL AND REPLACEMENT SHALL BE ONE FOOT BEYOND THE LIMITS OF THE EXCAVATION MADE FOR THE WATER MAIN OR THE STRUCTURE, EXCEPT WHEN SUCH SAW CUTS ARE WITHIN 3- FEET OF AN EXISTING JOINT. REMOVAL AND REPLACEMENT OF EXISTING PAVEMENT SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE CITY OF WICHITA STANDARD SPECIFICATIONS. CURB AND GUTTER REMOVAL AND REPLACEMENT SHALL BE CONSIDERED SUBSIDIARY TO PAVEMENT REMOVAL AND REPLACEMENT.
- 21. A SAW CUT OF AT LEAST ONE-HALF THE DEPTH OF EXISTING SURFACE COURSES OR ONE FOURTH THE DEPTH OF THE EXISTING TOTAL PAVEMENT THICKNESS SHALL BE PROVIDED AT LOCATIONS WHERE PROPOSED CONSTRUCTION ABUTS AN EXISTING SURFACE COURSE OR PAVEMENT IS REQUIRED, WHEN SUCH SAW CUTS ARE WITHIN 3- FEET OF AN EXISTING JOINT THE UNITS OF REMOVAL SHALL BE EXTENDED TO THE EXISTING JOINT. SUCH SAW CUTS WILL NOT BE PAID FOR DIRECTLY AND THIS COST WILL BE CONSIDERED SUBSIDIARY TO THE REMOVAL OF THE SURFACE OR PAVEMENT.
- 22. ALL IRRIGATION, LANDSCAPING, AND FENCING DISTURBED DURING CONSTRUCTION SHALL BE REMOVED AND REPLACED IN KIND. THE CONTRACTOR SHALL PROVIDE A MINIMUM ADVANCE NOTICE OF 48-HOURS TO THE AFFECTED PROPERTY OWNERS PRIOR TO BEGINNING CONSTRUCTION. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO "SITE CLEARING AND SITE RESTORATION. REFER TO SPECIAL PROVISIONS PART 200. EXISTING FENCES THAT ENCROACH ON THE EXISTING R/W AND CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL ONLY BE TAKEN DOWN AS NECESSARY FOR CONSTRUCTION AND STOCKPILED ON PRIVATE PROPERTY. THE CONTRACTOR WILL NOT BE REQUIRED TO REPAIR ANY FENCES OR OTHER IMPROVEMENTS THAT ENCROACH ON THE EXISTING R/W. COST TO BE SUBSIDIARY TO THE LUMP SUM BID ITEM SITE CLEARING.
- 23. THE CONTRACTOR SHALL MINIMIZE WATER SERVICE INTERRUPTIONS TO PROPERTY OWNERS WITHIN THE PROJECT AREA. ANY PROPERTY OWNERS WHO WILL HAVE SERVICES INTERRUPTED SHALL BE GIVEN WRITTEN NOTICE AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE. NO PROPERTY OWNERS SHALL HAVE THEIR WATER SERVICE INTERRUPTED FOR MORE THAN A 8-HOUR PERIOD. EXISTING WATER MAINS AND SERVICE CONNECTIONS ARE TO REMAIN IN SERVICE UNTIL PROPOSED NEW MAINS HAVE BEEN COMPLETED AND TESTED. NEW WATER SERVICES WILL NOT BE INSTALLED FOR VACANT PROPERTIES UNLESS SHOWN ON THE PLANS OR SPECIFIED IN THE SPECIAL PROVISIONS.
- 24. ALL SIDEWALK REPLACEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF WICHITA STANDARDS. WHERE THE SIDEWALK IS TO BE REPLACED AT STREET INTERSECTIONS, THE CONTRACTOR SHALL CONSTRUCT ADA RAMPS PER THE CITY OF WICHITA STANDARD SPECIFICATIONS. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR CONCRETE SIDEWALK REMOVAL AND REPLACEMENT.
- 25. THE CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES (BMPs) TO PREVENT ERODED SOIL FROM ENTERING DITCHES, STORM SEWERS, OR ANY OTHER DRAINAGE FEATURE. THE CITY OF WICHITA STANDARD DETAILS FOR SOIL EROSION BMPs ARE A PART OF THIS SET OF DRAWINGS AND ARE INCLUDED TO PROVIDE GUIDELINES AS TO WHAT TYPE OF SOIL EROSION PROTECTION WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS. THE CONTRACTOR SHALL BID THE PROJECT ACCORDINGLY. BMPs SHALL BE MAINTAINED DURING THE CONSTRUCTION PROCESS. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE SUBSIDIARY TO PROJECT COST.
- 26. WATER SERVICE LINES CONNECTED TO MAINS BEING ABANDONED SHALL BE RECONNECTED TO NEW MAINS IN ACCORDANCE WITH THE CITY OF WICHITA WATER AND SEWER DEPARTMENT REGULATIONS. NEW SERVICES SHALL BE PROVIDED TO ALL LOCATIONS ALONG THE PROPOSED ALIGNMENT AS SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO CONSTRUCTION DETAILS FOR SERVICE RECONNECTIONS. SERVICES WILL BE BID PER EACH BASIS FOR LONG AND SHORT SERVICES. LONG SERVICE LINES CROSS THE CENTERLINE OF THE ROADWAYS. SHORT SERVICE LINES DO NOT CROSS THE CENTERLINE OF THE ROADWAYS. THE CONTRACTOR SHALL RETURN ALL SALVAGEABLE VALVES, HYDRANT FITTINGS, AND ETC. TO THE CITY OF WICHITA WATER DISTRIBUTION DEPARTMENT YARD LOCATED AT 1825 S. MCLEAN BLVD. THE CONTRACTOR SHALL HAVE ALL SALVAGED MATERIAL CHECKED IN BY THE STOREKEEPER. EXISTING SERVICE LINES TO BE ABANDONED SHALL BE CUT AND CAPPED. EXISTING METER BOXES, RINGS AND LIDS SHALL BE RETURNED BY THE CONTRACTOR TO 1825 S. MCLEAN BLVD.
- 27. ALL EXISTING MAILBOXES IN CONFLICT WITH THE PROPOSED CONSTRUCTION ACTIVITIES SHALL BE TEMPORARILY RESET TO ACCOMMODATE CONSTRUCTION ACTIVITIES. TEMPORARY LOCATIONS OF MAILBOXES SHALL BE COORDINATED WITH PROPERTY OWNERS AND THE US POSTAL SERVICE. UPON COMPLETION OF CONSTRUCTION ACTIVITIES MAILBOXES SHALL BE RESET IN THEIR ORIGINAL LOCATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER. NO DIRECT PAYMENT SHALL BE MADE FOR THE TEMPORARY RESETTING OF EXISTING MAILBOXES OR FOR MOVING MAILBOXES BACK TO THEIR ORIGINAL LOCATIONS. IN THE EVENT AN EXISTING MAILBOX OR MOUNTING POST IS DAMAGED DURING CONSTRUCTION OR FOUND TO BE UNUSABLE, THE CONTRACTOR SHALL REPLACE SAID ITEM AT NO COST TO THE PROJECT.
- 28. DUCTILE IRON OR CAST IRON FITTINGS, VALVES, FIRE HYDRANTS OR OTHER METALLIC ITEMS INSTALLED AS PART OF THE WATER LINE PROJECT SHALL HAVE POLYETHYLENE CORROSION PROTECTIONS. REFER TO SPECIFICATION SECTION 803, WATERLINE CONSTRUCTION.
- 29. UNLESS OTHERWISE INDICATED, DIMENSIONS ARE MEASURED TO THE CENTERLINE OF THE FITTINGS IN THE PLAN VIEW AND TO THE TOP OF PIPE IN THE PROFILE VIEW.
- 30. SANITARY SEWER SERVICE LINE LOCATIONS ARE UNKNOWN AND ARE ANTICIPATED TO RUN ALONG THE BACKS OF PROPERTIES. HOWEVER, THE CONTRACTOR SHALL VERIFY LOCATIONS PRIOR TO WATER MAIN CONSTRUCTION AND NOTIFY THE CITY AND ENGINEER OF ANY POTENTIAL CONFLICTS. CONTRACTOR SHALL MAINTAIN HORIZONTAL AND VERTICAL CLEARANCES PER PART 800, WATER AND SEWER, SECTION 803 OF THE CITY OF WICHITA, KANSAS'S STANDARD SPECIFICATIONS FOR WATER MAIN INSTALLATIONS.
- 31. CONTRACTOR IS RESPONSIBLE FOR THE EXCAVATION OF THE TAP HOLE, THRUST BLOCKING, THE TAP AND VALVE AFTER TAP IS MADE, AND FOR INSTALLING THE VALVE BOX DURING THE BACKFILL OF THE TAP HOLE. THE CITY OF WICHITA WILL PROVIDE THE TAPPING SLEEVE, TAPPING VALVE, AND THE VALVE BOX AS WELL AS MAKING THE TAP. VALVE BOX ELEVATIONS SHALL MATCH EXISTING GROUND. CONTRACTOR TO SET TOP OF VALVE BOXES TO EXISTING GROUND AFTER PROPER BACKFILLING IS COMPLETE.
- 32. PRIOR TO BIDDING THE PROJECT, EACH BIDDER SHALL VISIT THE SITE AND SATISFY HIMSELF OF SURFACE AND SUBSURFACE CONDITIONS. EACH BIDDER SHALL ALSO FULLY INFORM HIMSELF AS TO THE EXTENT OF THE SCOPE OF WORK TO BE PERFORMED.
- 33. THE WATER DEPARTMENT SHALL FIELD LOCATE WATER VALVES ONE TIME DURING CONSTRUCTION WHEN REQUESTED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE SUCH FIELD LOCATIONS DURING THE CONSTRUCTION PROCESS. WATER VALVE, WATER VALVE BOXES OR FIRE HYDRANTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- 34. ALL TRAFFIC SIGNS THAT ARE LOCATED IN DIRECT CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED AND PROTECTED FROM DAMAGE BY THE CONTRACTOR. ALL SIGNS THAT ARE REMOVED DURING CONSTRUCTION SHALL BE REPLACED OR RESET BY THE CONTRACTOR AS SOON AS CONSTRUCTION PERMITS. ANY SIGN DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT NO ADDITIONAL COST TO THE PROJECT. ALL TRAFFIC CONTROL SIGNS SHALL REMAIN OPERATIONAL DURING ALL PHASES OF THE PROJECT BY EITHER RESETTING EXISTING OR ERECTING TEMPORARY SIGNS. THIS SHALL INCLUDE ALL SCHOOL CROSSINGS, WARNING SIGNS, AND APPLICABLE REGULATORY SIGNS. THE COST FOR ANY REMOVAL, REPLACEMENT AND/ OR RESETTING OF TRAFFIC SIGNS SHALL BE SUBSIDIARY TO SITE RESTORATION.
- 35. TEMPORARY BLOW-OFF VALVES NECESSARY TO FLUSH LINES AT EXISTING WATER LINE TIE-INS SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO OTHER ITEMS IN THE BID.

- 36. ALL COSTS ASSOCIATED WITH KILLING AND CUTTING CORP. STOPS AND ABANDONMENT OF EXISTING WATER LINES IN PLACE SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.
- 37. THE PROPOSED WATER LINES THAT ARE INSTALLED BY OPEN CUT METHODS UNDER PAVEMENT SHALL BE BACKFILLED WITH SAND, FLUSHED AND VIBRATED, FROM 6 INCHES BELOW ALL PIPES TO WITHIN 2 FEET BELOW THE BOTTOM OF THE ROCK BASE OR FINISHED GRADE. COST TO BE SUBSIDIARY TO THE MEASURED QUANTITY BID ITEM PAVEMENT REPAIR AND RESTORATION.
- 38. THE CONTRACTOR SHALL REPLACE ANY ASPHALT PAVEMENT THAT IS TO BE REMOVED WITH 6 INCH AC PAVEMENT (4 INCH BIT. BASE) ON 6 INCH CRUSHED ROCK BASE. PORTIONS OF EXISTING VALLEY GUTTERS THAT ARE TO BE REMOVED SHALL BE REPLACED WITH 7 INCH REINFORCED CONCRETE PAVEMENT ON 6 INCH CRUSHED ROCK BASE. ALL CURB AND GUTTER THAT IS TO BE REMOVED SHALL BE REPLACED WITH TYPE 2 CURB AND GUTTER (3 3/8" RL AND 1 1/2"). COST TO BE SUBSIDIARY TO THE MEASURED QUANTITY BID ITEM FOR PAVEMENT REPAIR.
- 39. ANCHOR GATE VALVES ARE AN OPTION IN LOCATIONS TO BE CONNECTED TO WITH SEPERATE LINES.
- 40. ALL LOCATIONS WHERE 1" TAPS FEED EXISTING WATER MAINS THE KILLS SHALL BE AT THE 1" TAPS WITH THE 1" PIPING SEVERED AT THE TAP.
- 41. LOCATIONS WHERE TEMPORARY AND PERMANENT CONNECTIONS ARE CALLED OUT USE ANCHOE VALVES AND TEMPORARY BLOW OFF ASSEMBLIES.



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**Burns & McDonnell**  
SINCE 1898

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date	APRIL 24, 2014	detailed	M. CHARRETTE
designed	J. MCNIFF	checked	S. WILSON

**City of Wichita, Kansas**

**ETHEL NEIGHBORHOOD WATER MAIN REPLACEMENT**  
GENERAL NOTES CONT.

project	77025	contract	448-90612
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