

GENERAL NOTES:

- 1. ALL WATER MAINS AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF WICHITA, KANSAS STANDARD SPECIFICATIONS FOR WATER MAIN INSTALLATIONS. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY STANDARDS.
2. CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM NOTICE OF 2 WORKING DAYS TO UTILITY PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:
KANSAS ONE-CALL 800-344-7233
LOCAL (WICHITA) 687-2470
THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:
COX COMMUNICATIONS 262-0661
KANSAS GAS 800-527-0357
WESTAR (ELECTRIC) 383-8600
KANSAS GAS SERVICE (GAS) 800-482-4950 OR 832-3101
BLACK HILLS ENERGY (GAS) 800-303-0357
AT&T (TELEPHONE) 800-870-8390
CITY OF WICHITA WATER AND SEWER 219-8921
3. THE LOCATIONS OF EXISTING UTILITIES, AS SHOWN, ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES.
4. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING WATER MAINS AT THE CONNECTION TO VERIFY PIPE SIZE, PIPE TYPE, FITTINGS AND THE HORIZONTAL AND VERTICAL LOCATIONS.
5. CONTRACTORS SHALL PROTECT EXISTING POWER POLES AND LIGHT POLES FROM DAMAGE AND SHALL PROVIDE BRACING, SHORING, OR OTHER WORK NECESSARY FOR SUCH PROTECTION.
6. THE EXISTING WATER MAINS ARE TO BE PLUGGED AND ABANDONED IN PLACE. ALL EXISTING PIPING TO BE ABANDONED SHALL BE PLUGGED AND CAPPED AT EACH END AND SHALL BE COMPLETELY REMOVED FROM SERVICE.
7. GAS MAIN DEPTHS THROUGHOUT THE PROJECT VARY. THE CONTRACTOR SHALL EXPOSE THE EXISTING GAS MAINS AT ALL CROSSINGS.
8. THE WATER MAINS SHALL BE CONSTRUCTED ON THE ALIGNMENT SHOWN BY THE DRAWINGS. TRACER WIRE SHALL BE INSTALLED AND TEST STATIONS CONNECTED TO LOCATE ALL WATER LINES REGARDLESS OF PIPE MATERIAL PER THE CITY OF WICHITA'S STANDARD SPECIFICATION AND DETAILS FOR WATER MAIN INSTALLATIONS
9. TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH THE PROPOSED OPEN CUT INSTALLATION OF THE NEW WATER LINE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL.
10. THE CONTRACTOR SHALL USE DIRECTIONAL DRILLING METHODS AS MUCH AS POSSIBLE AND SHALL OPEN CUT WHERE ABSOLUTELY NECESSARY.
11. OPENING AND CLOSING WATER VALVES SHALL BE DONE SLOWLY TO PREVENT DAMAGE TO THE WATER DISTRIBUTION SYSTEM FROM WATER HAMMER.
12. THE CONTRACTOR SHALL NOT START WORK ON THE PROJECT UNTIL THE PROJECT INSPECTOR IS ASSIGNED TO THE PROJECT AND IS PRESENT ON THE SITE.
13. THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS DIRECTLY ABUTTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN DAYS ADVANCE NOTICE PRIOR TO THE START OF CONSTRUCTION.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING EXISTING PROPERTY IRONS AND RIGHT-OF-WAY MONUMENTS.
15. THE CONTRACTOR SHALL RESTORE ALL DITCHES, SWALES, ROAD SHOULDERS, ENTRANCES, AND BANK LINES TO THEIR ORIGINAL SLOPES AND GRADES UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
16. ANY EXCESS EXCAVATION OR RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES INCLUDING ANY TREES REMOVED AND TREE TRIMMINGS SHALL BE DISPOSED OF ON SITES PROVIDED BY THE CONTRACTOR.
17. ALL LAWN AREAS DISTURBED BY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE RESTORED WITH THE SAME GRASS AS EXISTING.
18. THE CONTRACTOR SHALL SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WITH TEMPORARY RYE GRASS.
19. INTERURBAN TRAFFIC GENERATED OUTSIDE THE PROJECT AREA AND LOCAL BUSINESS OR RESIDENTIAL TRAFFIC GENERATED WITHIN THE PROJECT AREA ARE TO BE CARRIED THROUGH CONSTRUCTION AS FURTHER PROMULGATED BY THE PROJECT SPECIAL PROVISIONS.

LEGEND

These standard symbols will be found in the drawing. Shaded text and symbols are existing.

- Utility vault
Property corner
Water valve
Water meter
Irrigation control valve
Traffic signal manhole
Monument post
Monitoring well
Electric cable box
Telephone pole
Bush
Satellite dish
Fire hydrant
Guy anchor
Light pole
Mail box
Power pole
Road sign
Manhole
Stump
Telephone cable riser
Waterline
Gas line
Sanitary sewer
Fiber optic cable
Telephone cable underground
Telephone cable overhead
Power cable underground
Power cable overhead
Fence

NEW WATER MAIN SYMBOLS

- OPEN CUT INSTALLATION
NEW WATER METER
NEW FIRE HYDRANT
WATER VALVE
WATER MAIN
BLOW OFF ASSEMBLY
AIR RELEASE VALVE
BEND W/ BACKING BLOCK
REDUCER
TEE/ TAPPING SLEEVE
CAP/ PLUG

ABBREVIATION LIST

- AHD - AHEAD
ASSY - ASSEMBLY
AVE - AVENUE
BK - BACK
BM - BENCH MARK
B.O. - BLOW OFF
BOL - BEGINNING OF LINE
BLVD - BOULEVARD
CI - CAST IRON
CL - CENTERLINE
CL EL - CENTERLINE ELEVATION
DIP - DUCTILE IRON PIPE
DWG - DRAWING
ECL - EAST CURB LINE
EL - ELEVATION
EOL - END OF LINE
EX - EXISTING
FHA - FIRE HYDRANT ASSEMBLY
FL - FLOW LINE
L - LENGTH
LF - LINEAR FEET
LN - LANE
LT - LEFT
NCL - NORTH CURB LINE
NWCL - NORTHWEST CURB LINE
MH - MANHOLE
MIN - MINIMUM
PVC - POLYVINYL CHLORIDE
PVI - POINT OF VERTICAL INTERSECTION
RCP - REINFORCED CONCRETE PIPE
RT - RIGHT
R/W - RIGHT-OF-WAY
SAN - SANITARY
SCL - SOUTH CURB LINE
ST - STREET
STA - STATION
TOP - TOP OF PIPE
TYP - TYPICAL
UNK - UNKNOWN
WCL - WEST CURB LINE
W/ - WITH
WL - WATERLINE
11°15'- ELEVEN AND A QUARTER DEGREES
22°30'- TWENTY-TWO AND A HALF DEGREES
N - NORTH
E - EAST
S - SOUTH
W - WEST



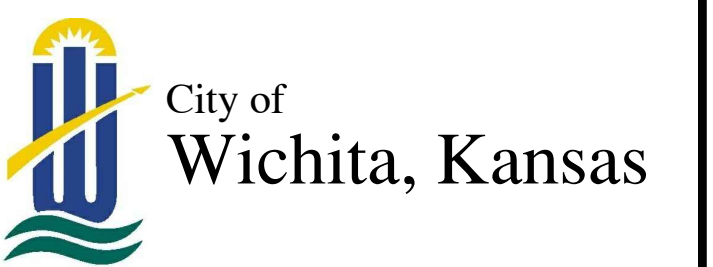
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Table with columns: no., date, by, ckd, description



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Table with columns: date, detailed, designed, checked



ETHEL NEIGHBORHOOD
WATER MAIN REPLACEMENT
GENERAL NOTES AND LEGEND

Table with columns: project, contract, drawing, rev, sheet, sheets, file

Digital signature block containing a circular seal for Julie Ann Monferrer, License No. 21158, and text: 'This document has been digitally signed. 05/08/15 9:37 AM' and 'Name Discipline License No.'