

GENERAL NOTES

- ALL ELEVATIONS SHOWN ARE NAVD88 DATUM. (NAVD88 - 1187.87 = CITY OF WICHITA DATUM)
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

KANSAS ONE-CALL 687-2470

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

COX COMMUNICATIONS	262-0661
KANSAS GAS SERVICE	832-3169
WESTAR ENERGY	383-8600
AQUILA NETWORK	(800)-527-0357
SBC	(800)-870-8390
CITY OF WICHITA WATER DEPARTMENT	262-6000
CITY OF WICHITA SEWER MAINTENANCE	262-6000

- THE WATER MAIN AND SWS BOX SHALL BE CONSTRUCTED ON THE ALIGNMENT SHOWN BY THE PLANS. TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE. THE COST FOR ANY NECESSARY TREE TRIMMING, CLEARING AND/OR GRUBBING SHALL BE SUBSIDIARY TO "SITE CLEARING".
- THE CONTRACTOR SHALL NOT START WORK ON THE PROJECT UNTIL THE PROJECT INSPECTOR IS ASSIGNED TO THE PROJECT AND IS PRESENT ON THE SITE. ANY WORK DONE WITHOUT INSPECTION WILL BE REQUIRED TO BE UNCOVERED FOR INSPECTION.
- THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY DIRECTLY ADJACENT TO THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS ADVANCE NOTICE PRIOR TO START OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO SITE RESTORATION.
- THE CONTRACTOR SHALL RESTORE ALL DITCHES, SWALES, ROAD SHOULDERS, ENTRANCES, AND BANK LINES TO THEIR ORIGINAL SLOPES AND GRADES EXCEPT AS SHOWN OTHERWISE.
- INTERURBAN TRAFFIC GENERATED OUTSIDE THE PROJECT AREA AND LOCAL BUSINESS OR RESIDENTIAL TRAFFIC WITHIN THE PROJECT AREA ARE TO BE CARRIED THROUGH CONSTRUCTION AS FURTHER PROMULGATED BY PROJECT SPECIAL PROVISIONS. THE CONTRACTOR SHALL UTILIZE BARRICADES, SIGNS, GUARDS, AND FLAGMEN IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES INCLUDING ANY TREES REMOVED AND TREE TRIMMINGS AND EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OF ON SITES PROVIDED BY THE CONTRACTOR. THESE SITES SHALL ALSO BE APPROVED OF BY THE ENGINEER AS TO SUITABILITY, APPEARANCE, AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WILL REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS MAY REQUIRE ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED DISPOSAL LOCATION.
- ALL LAWN/TURF AREAS DISTURBED BY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE RESTORED WITH THE SAME GRASS/SOD AS EXISTING. RESTORATION OF DISTURBED AREAS SHALL INCLUDE, BUT NOT BE LIMITED TO, TOP SOIL PREPARATION, SEEDING, MULCH, AND/OR RESEEDING. ALL SEEDING/SODDING WORK SHALL BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD SPECIFICATIONS AND THE CITY OF WICHITA ADMINISTRATIVE REGULATION NO. AR78 WHICH GOVERNS CLEANUP AND RESTORATION OR REPLACEMENT FOLLOWING CONSTRUCTION. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO THE LUMP SUM PRICE BID FOR "SITE RESTORATION".
- THE CONTRACTOR SHALL SEED ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WITH TEMPORARY RYE GRASS. RYE GRASS SEED SHALL BE PLANTED AT A MINIMUM RATE OF SIX (6) POUNDS PER ONE THOUSAND (1,000) SQUARE FEET. THIS TEMPORARY SEEDING MAY BE OMITTED ONLY IF OTHER SEEDING IS REQUIRED IN ACCORDANCE WITH GENERAL NOTE NO. 13 ABOVE. TEMPORARY SEEDING OR PERMANENT SEEDING/SODDING SHALL BE APPLIED WITHIN 14 DAYS AFTER THE AREA HAS BEEN DISTURBED.
- TRAFFIC IS TO BE MAINTAINED AT ALL TIMES EXCEPT IN THE IMMEDIATE AREA OF CONSTRUCTION. IMMEDIATE AREA OF CONSTRUCTION IS DEFINED AS THE BLOCK IN WHICH TRENCHING AND PIPE LAYING IS OCCURRING. TRAFFIC IS TO BE MAINTAINED USING FLAG PERSONS AS NECESSARY. SIDE STREET INTERSECTIONS MAY BE CLOSED WHILE PIPE IS BEING LAID ACROSS THE INTERSECTION, HOWEVER, NO TWO CONSECUTIVE INTERSECTIONS CAN BE CLOSED AT THE SAME TIME. THE CONTRACTOR SHALL UTILIZE BARRICADES, SIGNS, GUARDS, AND FLAGMEN IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. SEE SHEET NO. 3 FOR STREET CLOSURE SCHEDULE NECESSARY FOR WATERLINE AND STORM WATER SEWER CONSTRUCTION.
- PAVEMENT REMOVAL AND/OR REPLACEMENT WILL BE MEASURED AND PAID FOR ON THE LINEAL FOOT BASIS AS MEASURED ALONG THE CENTERLINE OF THE WATER LINE REGARDLESS OF WIDTH, PAVEMENT TYPE AND/OR PAVEMENT THICKNESS. MINIMUM LIMITS OF SUCH PAVEMENT REMOVAL AND REPLACEMENT SHALL BE ONE FOOT BEYOND THE LIMITS OF THE EXCAVATION MADE FOR THE WATER LINE OR THE STRUCTURE, EXCEPT WHEN SUCH SAW CUTS ARE WITHIN THREE (3) FEET OF AN EXISTING JOINT THE LIMITS OF REMOVAL SHALL BE EXTENDED TO THE EXISTING JOINT. REMOVAL AND REPLACEMENT OF EXISTING PAVEMENT SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE CITY OF WICHITA STANDARD SPECIFICATIONS.
- SITE DEMOLITION BETWEEN THE RIVER AND THE WEST SIDE OF MAIN STREET IS INCLUDED ON THE PAVING PLANS FOR THE WATERWALK. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION ACTIVITIES WITH THE PAVING CONTRACTOR.
- 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 FOR WHICH PARTIAL REMOVAL OF THAT SURFACE OR PAVEMENT IS REQUIRED, WHEN SUCH SAW CUTS ARE WITHIN THREE (3) FEET OF AN EXISTING JOINT THE LIMITS OF REMOVAL SHALL BE EXTENDED TO THE EXISTING JOINT. SUCH SAW CUTS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE REMOVAL OF THE SURFACE OR PAVEMENT. NO MORE THAN 1,000 FEET (3 BLOCKS) OF EXISTING PAVEMENT IS TO BE REMOVED WITHOUT PERMANENT PAVEMENT BEING REPLACED. THE CONTRACTOR SHALL PROVIDE TEMPORARY SURFACING MATERIALS AS REQUIRED TO MAINTAIN ACCESS TO BUSINESSES AND RESIDENCES. WHENEVER PAVEMENT REMOVAL EXCEEDS 500 FEET, THE CONTRACTOR WILL BE REQUIRED TO PLACE AND MAINTAIN A TEMPORARY DRIVING SURFACE UNTIL SUCH TIME AS PERMANENT PAVEMENT REPLACEMENT BEGINS. THE CONTRACTOR WILL BE REQUIRED TO INSURE THAT THE ELDERLY AND PHYSICALLY LIMITED PERSONS HAVE ADEQUATE ACCESS TO THEIR BUSINESSES AND RESIDENCES.
- THE CONTRACTOR SHALL PROVIDE EROSION PROTECTION IN ACCORDANCE WITH THE STORM WATER PERMIT AND THE EROSION PROTECTION AND SEDIMENT BARRIER DETAILS. ALL COSTS ASSOCIATED WITH EROSION PROTECTION/STORM WATER MANAGEMENT (OTHER THAN SEDIMENT BARRIERS SPECIFIED IN THE PLANS) SHALL BE INCLUDED IN THE LUMP SUM BID FOR "EROSION CONTROL". ALSO, ANY SLOPES GREATER THAN 6 (HORIZ.); 1 (VERT.) THAT IS DISTURBED SHALL INCLUDE EROSION PROTECTION EITHER BY SEEDING/MULCHING, THE USE OF EROSION MATS, OR OTHER APPROVED METHODS. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE PROTECTED WITHIN 14 DAYS AFTER THE AREA IS DISTURBED.
- CONTRACTOR TO PROVIDE DRAINAGE AT CURB INLET LOCATIONS THROUGH CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE EROSION PROTECTION PER THE CITY OF WICHITA STANDARDS.
- CURB AND GUTTER REMOVAL AND REPLACEMENT SHALL BE SUBSIDIARY TO THE COST OF PAVEMENT REMOVAL AND REPLACEMENT.

CONDUIT/SERVICE BOX ASSEMBLY

The Contractor shall install a continuous conduit from WL Sta. 10+20.00 to WL Sta. 29+34.33. The conduit shall be CARLON OPTIC-GARD 1-1/4" diameter, SDR 11, PE Pipe or approved equal. The pipe shall be ribbed/smooth, orange in color, and shall contain a pre-installed poly pull rope. Where necessary, the pipe shall be jointed with metallic threaded sleeve couplings as manufactured by Carlon, or approved equal. Stainless Steel bands shall be installed every 20 feet along the 48" Waterline to secure the conduit to the top of the waterline.

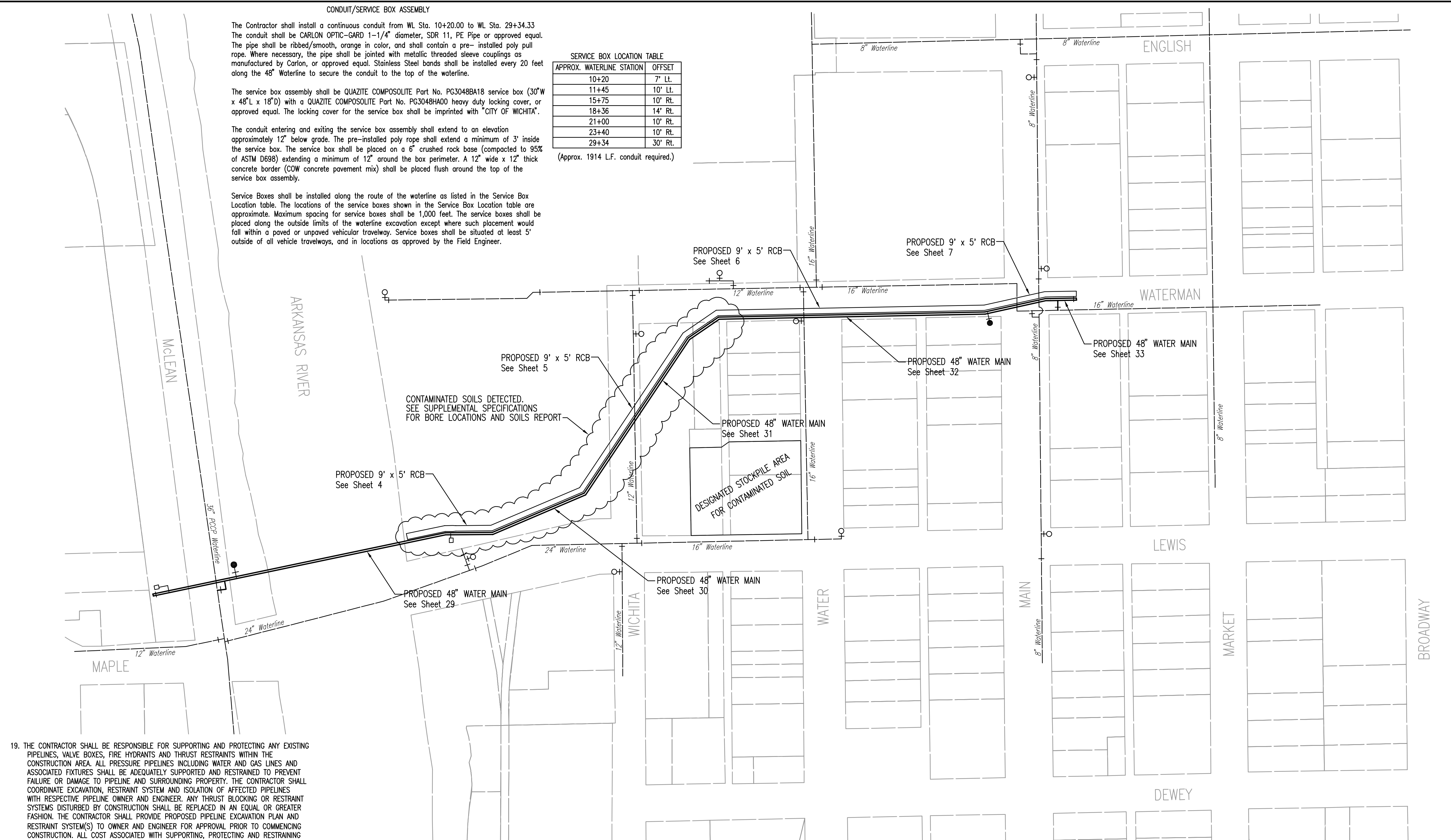
The service box assembly shall be QUAZITE COMPOSITE Part No. PG3048BA18 service box (30"W x 48"L x 18"D) with a QUAZITE COMPOSITE Part No. PG3048HA00 heavy duty locking cover, or approved equal. The locking cover for the service box shall be imprinted with "CITY OF WICHITA".

The conduit entering and exiting the service box assembly shall extend to an elevation approximately 12" below grade. The pre-installed poly rope shall extend a minimum of 3' inside the service box. The service box shall be placed on a 6" crushed rock base (compacted to 95% of ASTM D698) extending a minimum of 12" around the box perimeter. A 12" wide x 12" thick concrete border (COW concrete pavement mix) shall be placed flush around the top of the service box assembly.

Service Boxes shall be installed along the route of the waterline as listed in the Service Box Location table. The locations of the service boxes shown in the Service Box Location table are approximate. Maximum spacing for service boxes shall be 1,000 feet. The service boxes shall be placed along the outside limits of the waterline excavation except where such placement would fall within a paved or unpaved vehicular travelway. Service boxes shall be situated at least 5' outside of all vehicle travelways, and in locations as approved by the Field Engineer.

SERVICE BOX LOCATION TABLE		
APPROX. WATERLINE STATION	OFFSET	
10+20	7' LT.	
11+45	10' LT.	
15+75	10' RT.	
18+36	14' RT.	
21+00	10' RT.	
23+40	10' RT.	
29+34	30' RT.	

(Approx. 1914 L.F. conduit required.)



CONTAMINATED SOILS DETECTED. SEE SUPPLEMENTAL SPECIFICATIONS FOR BORE LOCATIONS AND SOILS REPORT

PROPOSED 9' x 5' RCB See Sheet 6

PROPOSED 9' x 5' RCB See Sheet 7

PROPOSED 9' x 5' RCB See Sheet 5

PROPOSED 48" WATER MAIN See Sheet 32

PROPOSED 48" WATER MAIN See Sheet 33

PROPOSED 9' x 5' RCB See Sheet 4

PROPOSED 48" WATER MAIN See Sheet 31

PROPOSED 48" WATER MAIN See Sheet 29

PROPOSED 48" WATER MAIN See Sheet 30

WATERLINE NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORTING AND PROTECTING ANY EXISTING PIPELINES, VALVE BOXES, FIRE HYDRANTS AND THRUST RESTRAINTS WITHIN THE CONSTRUCTION AREA. ALL PRESSURE PIPELINES INCLUDING WATER AND GAS LINES AND ASSOCIATED FIXTURES SHALL BE ADEQUATELY SUPPORTED AND RESTRAINED TO PREVENT FAILURE OR DAMAGE TO PIPELINE AND SURROUNDING PROPERTY. THE CONTRACTOR SHALL COORDINATE EXCAVATION, RESTRAINT SYSTEM AND ISOLATION OF AFFECTED PIPELINES WITH RESPECTIVE PIPELINE OWNER AND ENGINEER. ANY THRUST BLOCKING OR RESTRAINT SYSTEMS DISTURBED BY CONSTRUCTION SHALL BE REPLACED IN AN EQUAL OR GREATER FASHION. THE CONTRACTOR SHALL PROVIDE PROPOSED PIPELINE EXCAVATION PLAN AND RESTRAINT SYSTEM(S) TO OWNER AND ENGINEER FOR APPROVAL PRIOR TO COMMENCING CONSTRUCTION. ALL COST ASSOCIATED WITH SUPPORTING, PROTECTING AND RESTRAINING EXISTING PIPELINES SHALL BE CONSIDERED SUBSIDIARY TO THE PRICE BID FOR PIPE AND SWS BOX.
- ALL IRRIGATION, LANDSCAPING, AND FENCING DISTURBED DURING CONSTRUCTION SHALL BE REMOVED AND RESET/REPLACED IN KIND. THE CONTRACTOR SHALL PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO THE AFFECTED PROPERTY OWNERS PRIOR TO BEGINNING CONSTRUCTION. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO "SITE CLEARING" AND "SITE RESTORATION".
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING CONTINUOUS FLOW OF SEWAGE THROUGH CONSTRUCTION. FOR SANITARY SEWER THAT WILL BE AFFECTED BY CONSTRUCTION, COST OF MAINTAINING FLOW OF SEWAGE THROUGH CONSTRUCTION WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER RELATED ITEMS OF WORK.
- EROSION CONTROL (BMP'S) THE CONTRACTOR SHALL INSTALL AND/OR MAINTAIN EROSION CONTROL METHODS AS SPECIFIED ON SHEETS 38-41. THE GENERAL LOCATION OF THE REQUIRED EROSION CONTROL IS ILLUSTRATED IN THE PLANS. THE WATERLINE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE EROSION CONTROL SHOWN THROUGH THE COMPLETION OF THIS PROJECT. INSTALLATION OF THESE BMP'S DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF ABATING SOIL EROSION. THE CONTRACTOR SHALL MEET THE REQUIREMENTS OF THE STORM WATER PERMIT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND CAPPING THE HYATT LAWN IRRIGATION SYSTEM BETWEEN THE EAST BANK OF THE ARKANSAS RIVER AND WICHITA STREET PRIOR TO CONSTRUCTION. CONTACT THANE ROGERS, CITY OF WICHITA PARKS AND RECREATION DEPARTMENT AT (316) 337-9181 FOR COORDINATION. ALL SPRINKLER HEADS NECESSARY FOR REMOVAL SHALL BE SALVAGED TO MR. ROGERS. COST SHALL BE CONSIDERED SUBSIDIARY TO "SITE CLEARING".
- CONTRACTOR SHALL EXERCISE THE NECESSARY PRECAUTIONS AS DIRECTED BY KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT IN HANDLING OF SOILS DEEMED CONTAMINATED BY OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL SUITABLY STOCKPILE ALL CONTAMINATED MATERIAL AT AN APPROVED LOCATION AS DETERMINED BY THE OWNER. THE CONTRACTOR WILL BE REQUIRED TO PLACE SAND BAGS AND PLASTIC SHEETING AT THE PROPOSED STOCK PILE LOCATION. ALL STOCKPILED CONTAMINATED MATERIAL WILL BE REMOVED FROM THE SITE TO AN APPROVED LANDFILL BY THE OWNER.
- THE CONTRACTOR SHALL SET OFFSET STAKES FOR THE BORING LOCATIONS AS SHOWN IN APPENDIX A, BORINGS 5000 THROUGH 5009. THE SURVEYOR SHALL COORDINATE WITH THE FIELD ENGINEER OFFSET DISTANCES FOR STAKING OF THESE BORING LOCATIONS.

- ALL WATER MAINS AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF WICHITA, KANSAS STANDARD SPECIFICATIONS AND PROJECT SUPPLEMENTAL SPECIFICATIONS.
- OPENING AND CLOSING WATER VALVES SHALL BE DONE SLOWLY TO PREVENT DAMAGE TO THE WATER DISTRIBUTION SYSTEM FROM WATER HAMMER. ALL VALVES CLOSED BY THE CONTRACTOR MUST BE REOPENED AS NEW CONSTRUCTION PERMITS. PROJECT INSPECTOR MUST ASCERTAIN THAT ANY VALVE CLOSED BY THE CONTRACTOR IS REOPENED. CONTRACTOR WILL BE PERMITTED TO OPERATE WATER VALVES ONLY WHEN THE PROJECT INSPECTOR ASSIGNED TO THE PROJECT IS PRESENT.
- NO SERVICES WILL BE INSTALLED AS PART OF THIS PROJECT.
- THE TEST PRESSURE FOR THE NEWLY CONSTRUCTED WATERLINE SHALL BE 150 PSI, AND ALL FITTINGS, PIPE, AND APPURTENANCES INSTALLED SHALL HAVE A PRESSURE RATING OF 150 PSI (MIN.).
- UNLESS NOTED OTHERWISE IN THE PLANS, THE CONTRACTOR MAY USE 48" DUCTILE IRON OR 48" PCOP (PRESTRESSED CONCRETE CYLINDER PIPE) FOR THE WATERLINE AS SPECIFIED IN THE PROJECT SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL RESTRAIN ALL BENDS, VALVES, AND TEES THROUGH THE USE OF A RESTRAINED JOINT PIPE AS SPECIFIED, AT THE MINIMUM LENGTHS AS SHOWN IN THE PLANS. OTHER METHODS OF RESTRAINT MAY BE SUBMITTED IN WRITING TO THE DESIGN ENGINEER FOR APPROVAL AT LEAST 7 DAYS PRIOR TO BIDDING. RESTRAINED JOINT PIPE WILL NOT BE BID SEPARATELY AND SHALL BE INCLUDED IN THE PRICE BID FOR PIPE IN PLACE.
- PIPE DEFLECTIONS SHOWN IN THE PLANS MAY EXCEED THE MAXIMUM PIPE DEFLECTIONS ALLOWABLE PER THE PIPE MANUFACTURERS RECOMMENDATIONS. THESE PIPE DEFLECTIONS MAY BE ACCOMPLISHED THROUGH MORE THAN ONE JOINT. PIPE DEFLECTIONS AT A JOINT SHALL NOT EXCEED THE MANUFACTURERS RECOMMENDATIONS.
- ALL FITTINGS INSTALLED SHALL NOT BE BACKFILLED UNTIL THE FIELD ENGINEER ESTABLISHES TIES TO ESTABLISHED LANDMARKS.
- ALL COUPLINGS INSTALLED PER THE DETAIL SHEETS SHALL INCLUDE A 1/2" GAP BETWEEN THE PLAIN END PIPES BEING JOINED.

- THE CONTRACTOR SHALL PROVIDE CORROSION CONTROL ITEMS AS OUTLINED IN THE SUPPLEMENTAL SPECIFICATIONS FOR EACH TYPE OF PIPE BID. ALL PIPE CONNECTIONS MADE WITH PIPING OF DISSIMILAR MATERIALS SHALL INCLUDE DIELECTRIC ISOLATION. ALL CORROSION CONTROL MEASURES REQUIRED SHALL BE INCLUDED IN THE PRICE BID FOR PIPE.
- THE CONTRACTOR SHALL PROVIDE THREADED RODS AND COLLARS TO ANCHOR VALVES AND SLEEVES TO PROPOSED RESTRAINED JOINT PIPING, AS SHOWN IN THE PLANS. THREADED RODS AND COLLARS SHALL BE HIGH STRENGTH, HEAT TREATED CORTEN STEEL AND SHALL CONFORM TO ASTM A242, TYPE 2, AS MANUFACTURED BY STAR NATIONAL PRODUCTS OR APPROVED EQUAL. THE NUMBER OF TIEBOLT RESTRAINTS AND FASTENING METHOD SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. TIE BOLTS SHALL BE DESIGNED FOR A TOTAL DESIGN PRESSURE OF 200 PSI.
- THE CROSSING OF THE ARKANSAS RIVER SHALL CONFORM WITH THE RESPECTIVE PERMIT REQUIREMENTS INDICATED DIRECTED BY THE CORPS OF ENGINEERS AND KANSAS DEPARTMENT OF AGRICULTURE - DIVISION OF WATER RESOURCES. THE PERMITS AND REQUIREMENTS ARE INCLUDED IN THE PROJECT SUPPLEMENTAL SPECIFICATIONS.

LEGEND

- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- EXISTING WATER VALVE
- PROPOSED WATER VALVE
- PROPOSED AIR VALVE VAULT
- EXISTING FIRE HYDRANT
- PROPOSED HYDRANT
- PROPOSED SWS BOX

SEE SHEET NO. 3 FOR HORIZONTAL & VERTICAL CONTROL

1" = 100'

SEE SHEET NO. 3 FOR CONSTRUCTION SEQUENCE AND STREET CLOSURE SCHEDULE.

No.	Revision	By	Date

WATERWALK PUBLIC IMPROVEMENTS - PHASE 2 PACKAGE 2 (SOUTHEAST 48" WATERLINE - PHASE 1A)

**KEY MAP AND GENERAL NOTES**

JAMES L. ARMOUR, P.E. - CITY ENGINEER  
CITY OF WICHITA PROJECT NO. 448-90182

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Designed by MDK Job No. 35-05787-001-42  
Drawn by JGA Date March 2006

Sh. 2 of 47

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