

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84071	2005	012	

GENERAL NOTES

	DATE	BY

62. Fabric base reinforcement shall be 8 x 1100 geogrid as manufactured by Tensor Corporation or approved equal. Fabric base reinforcement shall be installed in accordance with manufacturer's recommendations. Crushed rock shall be uniformly graded from 1-1/2" maximum size to not more than 10% passing a no. 200 sieve. Rock quality shall be the same as specified for coarse aggregate for concrete mixes.

79. The Contractor shall maintain water distribution during all phases of construction. Requests for short-term water service interruptions shall be made at least seventy-two (72) hours in advance to the City of Wichita Water and Sewer Department and will be subject to their approval. Subject to approval, the Contractor shall notify all affected water customers of pending construction at least forty-eight (48) hours in advance.

63. Rock base is to be compacted and smoothed with a steel faced roller prior to placement of asphalt. Tack coat shall not be applied to rock base.

80. The Contractor must schedule the connections to the existing mains with the City such that there is a minimum of disruption to the city. Connections shall be made during periods of low water usage. The Contractor shall submit his proposed schedule for their approval for completing work at least ten (10) days prior to beginning construction. The Contractor shall submit a construction sequence plan to the Engineer for approval prior to construction.

64. Temporary Safety Fence shown in Phase 2 typical section will be subsidiary to the Temporary MSE Retaining Wall. Design for the Temporary Safety Fence will need to be submitted for approval by the Engineer.

81. The existing waterlines that are replaced as part of this project shall be abandoned in place. All abandoned piping shall be plugged or capped, thus blocking provided at each end and completely removed from service. Plugs, caps, and adequate thrust restraint shall also be provided on all waterlines to remain in service. The method of waterline abandonment shall be approved by the Construction Engineer. No additional payment shall be made for this work and shall be considered subsidiary to the price bid for "1/2" pipe XX" where XX is the size of waterline being constructed.

65. Wrought Iron Fence for installation at the museum shall match the existing fence. The original was purchased from: American Fence, 2309 S. West St., Wichita, KS 67217, Phone: 316-945-5001.

82. Temporary blowoffs for flushing shall be provided by the Contractor at an additional cost to the project. These temporary blowoffs shall include piping and tapping or plugs/caps. All temporary blowoff materials shall be removed and the blowoff pipe removed and capped by approved methods.

66. A full depth saw cut 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. All cuts for this work shall be subsidiary to "Pavement Removal".

83. The ground water was measured to be approximately 13.5' to 16.0' deep on April 15, 2003. The ground water is contaminated but meets all the City of Wichita pre-treatment limits. The Contractor should contact the City of Wichita Water and Sewer Department to determine the requirements for discharging the dewatering into the sanitary sewer system.

67. Interurban traffic generated outside the project area and local business or residential traffic generated within the project area shall not be disturbed to the greatest extent possible as indicated by the project special provisions. Only temporary closures will be permitted and they must be approved by the Engineer. All traffic control shall be in accordance with the City of Wichita Standard Plans and Specifications in particular the Contractor shall utilize barricades, signs, guards and flagmen in accordance with the Manual of Uniform Traffic Control Devices (MUTCD). All costs for this work shall be bid as Traffic Control.

84. All dimension lines shall be considered 90 degrees unless otherwise noted.

68. The Contractor shall provide positive drainage away from all manhole covers.

85. All dimensions are taken perpendicular to wall, curb, P.O.B., or centerline unless otherwise noted.

69. Sanitary manholes shall be "Type 1" manholes. Manholes shall be constructed in accordance with the City of Wichita Standard Specifications and the standard detail drawings.

86. Written dimensions take precedence over scaled dimensions.

70. The Contractor shall prevent any construction debris from entering the existing sanitary sewer during construction. Prevention and cleaning of any debris that enters the existing sanitary sewer will be considered subsidiary to other items of work.

87. Concrete Mow Curb is paid by the "Linear Foot" and complete in place. Minor grading to achieve a smooth and even subbase is subsidiary to "Concrete Mow Curb".

71. The Contractor is required to maintain continuous flow of sewage in existing mains at all times.

88. Poured-in-Place Splash Blocks are paid by "Each", manufactured, delivered, and installed in place. Any required cutting for a snug fit is subsidiary to "Precast Splash Blocks" or "Cast-in-Place Splash Blocks".

72. The Contractor shall not bury manholes that have rim elevations which are lower than existing ground at the manhole unless proposed manholes are under existing pavement. The ground around such manholes and along the sewer alignment shall be backfilled to the approximate elevation of the proposed ground elevation shown on the plan/profile sheets. The Contractor shall provide drainage away from these manholes and sewer lines by construction of Temporary ditches or sloping the ground as required. All costs for this work shall be considered subsidiary to the installed bid price for manholes or pipe.

89. Poured-in-Place Flumes are paid by the "Linear Foot" and complete in place. All subbase grading, forming, materials, and other items of work or labor to complete the flumes are subsidiary to "Poured-in-Place Flume (20")" or "Poured-in-Place Flume (36)".

73. The Contractor shall replace pavement that is required to be removed with construction of proposed manholes with Temporary Asphaltic Concrete of all proposed manholes that have the top elevation lower than existing grade. (4"x4" min.)

90. Proposed tree locations are diagrammatic. The Contractor shall stake all tree locations in field using unique colored flags for each different tree species for review and approval by the Landscape Architect prior to excavation for planting activities. The Landscape Architect reserves the right to adjust plant location in field prior to installation activities.

74. All water mains and appurtenances shall comply with and be installed in accordance with City of Wichita, Kansas Standard Specifications.

91. Trees overhanging sidewalks and parking or pedestrian areas shall have a minimum clear trunk branching height of eight (8) feet.

75. The water main 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 "Clearing Right-of-Way".

92. All plant material shall be maintained in a healthy and vigorously growing condition, and must be immediately replaced with plant material of equal variety and size if damaged, destroyed or removed. Damaged or destroyed planting material will be identified by the Landscape Architect.

76. Opening and closing water valves shall be done slowly to prevent damage to the water distribution system by 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. The Contractor will be permitted to operate water valves only when the project inspector assigned to the project is present.

93. The Contractor shall ensure that all landscaped areas shall be kept free of trash, litter, and weeds at all times during construction and the maintenance period.

77. No services will be installed as part of this project.

94. The Landscape Contractor shall be responsible for fine grading, removal of miscellaneous debris and any additional fill required to create a smooth condition prior to planting in all lawn areas. Fine grading is subsidiary to landscape pay items.

78. Pavement removal and/or replacement related to water line installation 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 Specification.

95. All quantities shown on these plans are estimates for the Contractor's information only. Proposed plant spacing will be indicated on plant schedule unless otherwise noted. It is the Contractor's responsibility to provide full coverage in all planting areas as specified in the plant schedule remarks.

79. The Contractor shall maintain water distribution during all phases of construction. Requests for short-term water service interruptions shall be made at least seventy-two (72) hours in advance to the City of Wichita Water and Sewer Department and will be subject to their approval. Subject to approval, the Contractor shall notify all affected water customers of pending construction at least forty-eight (48) hours in advance.

96. The Contractor shall ensure that all landscaped areas will be irrigated utilizing an underground automatic irrigation system. Refer to irrigation plans for location of irrigation meter, sleeves and controller.

63. Rock base is to be compacted and smoothed with a steel faced roller prior to placement of asphalt. Tack coat shall not be applied to rock base.

97. All trees must be mulched to a depth of 3" around the tree forming a "cosh ring" after installation, maintained through time of inspection and during the maintenance period.

64. Temporary Safety Fence shown in Phase 2 typical section will be subsidiary to the Temporary MSE Retaining Wall. Design for the Temporary Safety Fence will need to be submitted for approval by the Engineer.

98. See planting details and specifications for plant bed preparations.

65. Wrought Iron Fence for installation at the museum shall match the existing fence. The original was purchased from: American Fence, 2309 S. West St., Wichita, KS 67217, Phone: 316-945-5001.

99. The Contractor shall bid 3 years full warranty and maintenance. See specifications for more information.

66. A full depth saw cut 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. All cuts for this work shall be subsidiary to "Pavement Removal".

100. All landscape, water-proofing and drainage pay item unit prices are to be paid as finished, complete in place items. All miscellaneous hardware, finish grading, equipment, materials, etc. required to install items per plans and specifications are subsidiary.

101. The Irrigation installer and the Contractor must refer to the construction documents in their entirety to ensure necessary coordination among all disciplines throughout the duration of the contract.

102. The system design assumes a design pressure of approximately 90 psi at the City main. This assumption is based on the City of Wichita information in June 2002. The Contractor shall verify approximate pressure after meter installation and prior to main line connection.

103. The Contractor is to refer to the written technical specifications for additional information regarding the system's components and performance.

104. Irrigation plans and pipe routing are schematic. The Contractor shall make minor changes in line routing as necessary, to avoid site features, proposed trees, utilities and other features that may affect system function. The Contractor shall maintain a set of drawings reflecting these modifications and will provide the set to the Engineer upon completion of the irrigation improvements. For clarity, plans may show irrigation lines outside the intended installation location, refer to all enlargements and details for proposed locations of system components.

105. The Contractor shall flag proposed locations of controllers, main line routing, system valves, and other system components prior to installation. Notify the Engineer of any potential problems or discrepancies.

106. The Contractor shall carefully adjust the arc and radius of each sprinkler head to achieve full, head to head coverage and a minimum amount of over-spray.

107. All electrical power service for system controllers is to be coordinated with electrical Sub-Contractor and installed per local code.

108. Each valve shall be in its own valve box.

109. All items not specifically itemized in quantity tables are subsidiary to construction.

110. All irrigation pay items are to be paid for a complete in place installation. Any items not specifically identified that are required to install a working system according to the plans and specifications shall be subsidiary to irrigation pay items.

111. All construction on Cox's property (between Douglas and Waterman and 25' east of the existing WUT main track #2) will be completed within 180 days of the start of this work. The contractor will notify Cox of the start date within 30 days of the award of the project.

112. All track construction occurring on Cargill/Horizon property or directly affecting their service will be planned a minimum of 15 working days in advance. The Contractor and Cargill/Horizon will be in agreement as to the time frame the any interruptions will start and stop. Parties involved in the planning the interruptions will be the WTA, Cargill/Horizon, Contractor and Construction Project Manager.

113. The Contractor will replace the Eight (8) trees with a caliber range between 3" and 6" that will be removed for the new track construction at the museum site. The new trees will have a caliber range between 3" and 6" and will be planted within the museum site at a location designated by the Museum after the Museum track construction is completed.

114. Concrete Road Crossing Panels that are removed from the existing BNSF Main tracks and from the Temporary Main track that are not relocated and used within the project will be removed by the Contractor and delivered to the K&O Railroad yard located at 1825 West Harry, Wichita, KS. Contact person is Neil Jacobs (office No. 316-261-6172 or cell phone No. 316-215-4087). All cost to be subsidiary to other items of work.

115. Contractor must handle all material scheduled for Remove and Stockpile with care in order to prevent damage. All Track and Turnouts to be removed must be unbolted or saw cut with a rail saw if CRR. Cutting with a torch will NOT be permitted. The cost of this work is subsidiary to the rail removal.

116. No field changes will be permitted without the written authorization from the Engineer.

This sheet designed by:



ARCHITECTS ENGINEERS PLANNERS

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NO.	DATE	REVISIONS	BY	APP'D
CITY OF WICHITA				
WICHITA CENTRAL CORRIDOR				
GENERAL NOTES				
SHEET NO.	OF	SCALE	APP'D	TRACED
DESIGNED	DETAILED	QUANTITIES	QUANCK.	FRANCE GK.
DESIGN GK.	DETAILED GK.	QUANCK.		