GENERAL NOTES

1. Utility service lines, poles, valve boxes, gas meters, and etcetera are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

2. The Contractor shall give all property owners and/or tenants of developed property abutting the project limits a minimum of ten (10) days advance notice prior to start of construction.

3. Contractor will be required to provide a minimum advance notice of forty-eight (48) hours to utility companies prior to excavation or working adjacent to utilities. Kansas One-Call 687-2470

4. The Contractor shall notify pipeline companies at least forty-eight (48) hours in advance of any work being performed across from and/or adjacent to any pipelines.

5. 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. Sawed joint to facilitate removal within three (3) feet of existing joints will not be permitted and for such instances the limits or removal shall extend to the existing joint. Such saw cuts will not be paid for directly and this cost shall be considered INCIDENTAL to the removal of the surface or pavement.

6. All project waste including any trees, milled asphalt, rubble from miscellaneous structures, abandoned pipes, excess excavation & etc. shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will 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 would 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 would require additional archaeological investigations unless buried in a previously approved borrow location.

7. The Engineer in charge of construction shall be responsible for preserving all sections line & block corner monuments. The Engineer shall procure a licensed Land Surveyor to take accurate ties to said monuments as well as submittal of the required forms to the Dept. of Archives, Kansas State History Society. The Contractor shall set a City survey monument in the required location where said monuments fall within the limits of pavement construction. Survey monuments will be furnished by the City. A licensed Land Surveyor shall locate and install the iron within the monument. The Contractor shall also be responsible for replacing shown Property Irons that are damaged or removed during construction.

8. Prior to bidding the project, each bidder shall visit the site and satisfy himself of surface & subsurface conditions. Each bidder shall also fully inform himself as to the extent of the scope of work to be performed.

9. Contractor shall be aware that some gas & telephone lines within the project corridor may have been abandoned in place as new lines are installed. The Contractor shall be responsible for contacting the appropriate owners to determine the status of said lines.

10. 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 valves, water valve boxes or fire hydrant damaged during construction shall be repaired by the Contractor at his own expense.

11. The Contractor shall be made aware that he will be working in close proximity of existing utilities. Any conflicts with such utilities shall be reported to the Engineer. The Contractor shall coordinate the construction of this project with relocation of any existing utilities by the utility companies.

12. Existing SWS pipes that will be connected to new inlets shall be flushed and cleaned from the first existing junction with all debris removed prior to hook-up. Connection of existing storm sewer to proposed conduits and/or structures shall not be paid for directly, but shall be considered INCIDENTAL to the pipe or conduit being installed.

13. The Lump Sum Bid Item "Site Restoration" shall INCLUDE all costs for relocating or reconstructing traffic signs, temporary pole bracing, final grading of the work area, and other such items requiring replacement for which a pay item is not provided for in the Proposal.

14. Properties within the project limits may have underground sprinkler systems in public right-of-way which conflict with new construction. The Contractor will be required to repair or replace any system disturbed by project construction. Portions of underground sprinkler systems not in conflict with new construction shall be protected from damage and shall remain in place. All work in connection with underground sprinkler systems shall be considered INCIDENTAL to other items in the Project.

15. Manhole tops indicated to be adjusted shall include new standard ring and cover castings except where noted. Castings removed shall be stockpiled within the right-of-way & picked up by City Crews. Cost of removal and stockpiling shall be INCIDENTAL. ~~to "Removal of Existing Structures"~~. TO MH, ADJUSTMENT W/NEW RING & LID

16. Removal of all signs, foundations, abandoned pipes, fences, trees, shrubs, stumps, drain pipes (<12"), pavement markings, and any other items slated for removal for which a pay item is not provided shall be INCLUDED in the lump sum bid item "R/W Clearing and Site Preparation."

17. The Contractor shall remove and deliver to the Central Maintenance Facility, 1801 S. McLean, all regulatory signs, street name signs, information signs, and etc. that conflict with the proposed construction. Cost of removal and delivery shall be INCIDENTAL to the Project.

18. Trees and Shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed and disposed of 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.

19. Fences with in the public right-of-way which are in direct conflict with proposed new construction shall be removed and stockpiled on the land owners property by the Contractor with the Engineer's approval. Cost to be INCIDENTAL to "~~Removal of Existing Structures~~". "R/W Clearing & Site Preparation."

20. All lawn/turf areas disturbed by construction shall be restored with the same grass/sod as existing. Restoration of disturbed areas shall include, but not limited to, top soil preparation, seeding, mulch, and/or reseeding. All seeding/sodding work shall be in accordance with City Standard specifications and the City Administrative Regulations No. AR78 which governs cleanup and restoration or replacement following construction. All costs for this work shall be INCIDENTAL to "Site Restoration."

21. The Contractor shall reseed all areas disturbed by construction with a mixture of Rye grass (applied at a rate of 200 lbs. per acre) and Buffalo grass (applied at a rate of 100 lbs. per acre). Pure Nitrogen fertilizer shall also be applied at a rate of 1.5 lbs. per thousand square feet. The seed shall be watered with deep soaking every two (2) weeks during dry periods until a mature stand of grass is obtained. The temporary seeding may be omitted only if other seeding is required in accordance with General Note 20. All costs for this work shall be INCIDENTAL to "Site Restoration."

22. All channel slopes disturbed by construction shall be restored to their original slopes and grades. The Contractor shall be responsible for reseeding the disturbed slopes in accordance with General Note 21 and to install an Erosion Control Blanket. The Erosion Control Blanket shall be a North American Green Type SC150 Erosion Control Mat, or approved equal. Contact North American Green, Inc. at 1-800-772-2040 for more information. All costs for this work shall be INCIDENTAL to "Site Restoration."

23. Contractor shall be responsible for implementing erosion control methods during construction to prevent unnecessary silt/sediment discharge through downstream properties and/or storm sewer systems. Contractor shall install and maintain erosion controls as directed by the Engineer These controls may include but not limited to: hay bales; silt fences, temporary mulching or other controls necessary to inhibit sediment runoff during construction.

24. All sign post, light pole and traffic signal removal shall include removal of footings as INCIDENTAL to such removal.

25. Driveway widths and locations shown on the plan are tentative Contractor shall be required to obtain properly executed driveway request form signed by the property owner or an authorized representative verifying such driveway widths and locations. Such forms shall be submitted to the Engineer for his review and approval.

26. New Sidewalk shall have a maximum side slope of not more than one-half inch (1/2") per foot and a maximum longitudinal slope of five (5) percent unless otherwise approved by the Engineer. The sidewalk location shown on the plan is tentative The Contractor shall be aware that the final sidewalk alignment may be subject to field changes based on the new location of power poles, utility pedestals, and trees. However, the Contractor shall make every effort to adhere to the sidewalk plan with respect to slope and drainage conditions.

27. The Contractor shall not start work on the Project until the Project Inspector is assigned and is present on site. Any work done without inspection will be required to be uncovered for inspection.

28. Areas over-excavated in surface or pavement removal shall be filled to sub grade elevation and compacted to 95% Std. Density. Cost shall be INCIDENTAL to the Project.

29. Geogrid Reinforcement for the rock base shall be Tensar BX1100 as manufactured by the Tensar Corporation, or approved equal. Geogrid fabric shall be INCIDENTAL to the bid item "Reinf. Crushed Rock Base."

30. The crushed rock base under valley gutters, concrete pavement, and bituminous pavement shall conform to the following limits:

Sieve Size	% Passing
2-1/2"	100
3/4"	40-80
No. 4	20-50
No. 40	6-20
No. 200	2-10

Rock quality shall conform to the requirements specified by the KDOT 1990 Edition Standard Specification, Subsection 1102 for Durability Class 1.

32. Monitoring Wells that conflict with the proposed construction shall by plugged by "Others" prior to construction. Upon award of this contract, the Contractor shall be responsible for contacting the Kansas Dept. of Health and Environment at 337-6020 to determine the status of the well.

31. The Contractor shall comply with all applicable safety regulations.

32. TRAFFIC CONTROL:
One lane of traffic in each direction must be maintained on Hydraulic during construction. Contractor shall provide, erect, and maintain traffic control devices in accordance with the Manual on Uniform Traffic Control Devices (M.U.T.C.D) as shown on the Traffic Control plans and subject to the Engineer's approval. Access to Residences & Businesses shall be maintained at all stages of the Project.

33. In locations where new SWB telephone vault lids are to be incorporated into the new sidewalk, the sidewalk shall be thickened to 5" minimum & reinforced with #4 rebar bent continuously through corners. Cost shall be INCIDENTAL to "Sidewalk Concrete (4")".

34. Existing and Proposed Power Poles may require bracing during certain phases of the Project. The Contractor shall be responsible for coordinating the pole bracing with Hank Velghe with Westar Energy at 261-6828.

LIST OF UTILITY COMPANIES

Contractor shall be required to provide notice to Kansas One Call at 687-2470 a minimum of two (2) working days prior to any excavation or work adjacent to utilities.

TYPE	OWNER	CONTACT	TELEPHONE	(ALT.)
Locator Service	Kansas One-Call		687-2470	800-344-7233
TV	Cox Communications (Cable)	Mark Anaya	262-4270	
Electric	Westar Energy (K.G.E.)	Russ Chitwood	383-8650	
Gas	Kansas Gas Service	Charlene Lawless	888-482-4950	
Pipeline	Conoco Pipeline Company	Mike Martin	800-231-2551	
Pipeline	Williams Pipeline Company	Kevin Phillips	529-6600	800-324-9696
Telephone	Southwestern Bell Telephone	Bob Ally	268-2245	800-286-8313
Traffic	Wichita Traffic Signal Shop		268-4034	268-4203
Water	Wichita Water Department	Bill Perkins	268-4563	268-4908
Storm Water Sewer	Wichita SWS Maintenance	Bob Jennings	268-4095	
Sanitary Sewer	Wichita Sewer Maintenance	Calvin Fugit	268-4024	262-6000

PROJECT NUMBER	SHEET NAME	ENGINEERING DIRECTORY
472-76-245-83324	Notepage	F:\Eng\Hydraulic

DESIGN	DRAWN	APPROVED	DATE	SCALE	BAUGHMAN NO
JFB/TPV	STAFF	JFB	Sept. 2002	None	99-09-E450

STREET & SWS IMPROVEMENTS
GENERAL NOTES
HYDRAULIC AVENUE PAVING - 47TH STREET SOUTH TO MACARTHUR ROAD

BAUGHMAN COMPANY, P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 * 315 ELLIS * WICHITA, KANSAS 67211