

## GENERAL NOTES

1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY REGULATIONS. ALL CONSTRUCTION SHALL BE COMPLETED FOLLOWING CURRENT CITY STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. CONTRACTOR WILL BE REQUIRED TO PROVIDE NOTICE TO UTILITY COMPANIES A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO ANY EXCAVATION, AS FOLLOWS:  
  
KANSAS ONE-CALL 687-2470  
  
THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:  
  

AT&T	1-800-246-8464
BLACK HILLS ENERGY (GAS)	1-800-694-9999
CITY OF WICHITA WATER & SEWER	1-316-219-8921
CITY OF WICHITA STORMWATER	1-316-268-4090
CITY OF WICHITA TRAFFIC	1-316-268-4034
COX COMMUNICATIONS	1-888-249-3530
KANSAS GAS SERVICE	1-888-482-4950
ENERGY	1-800-544-4857
3. UTILITY SERVICE LINES, POLES, ETC. 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.
4. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED 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, IN THE OPINION OF THE ENGINEER, THAT 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 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 WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
5. 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.
6. THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY ABOUTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS NOTICE PRIOR TO START OF CONSTRUCTION.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL 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.
8. THE ENGINEERING DIVISION 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, VALVE BOXES OR FIRE HYDRANTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY CONTRACTOR AT HIS OWN EXPENSE. VALVE BOXES AND WATER METERS WITHIN THE PROJECT LIMITS SHALL BE ADJUSTED TO MATCH FIELD GRADES BY THE CONTRACTOR.
9. IF TRAFFIC WILL BE IMPACTED BY CONSTRUCTION, A TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CITY TRAFFIC ENGINEER AT [traffic@wichita.gov](mailto:traffic@wichita.gov) BEFORE CONSTRUCTION CAN BEGIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES TO FACILITATE CONSTRUCTION. ALL CONSTRUCTION ZONE MARKINGS AND SIGNAGE SHALL CONFORM TO THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS PUBLISHED BY THE US DEPT. OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION. ALL COSTS ASSOCIATED WITH CONSTRUCTION MARKINGS AND SIGNAGE SHALL BE THE CONTRACTORS RESPONSIBILITY.
10. ALL AREAS DISTURBED DURING CONSTRUCTION THAT WILL NOT BE UNDER PROPOSED PAVEMENT SHALL BE RESTORED TO MATCH EXISTING CONDITIONS.
11. MAINTAIN A MINIMUM OF 10-FOOT HORIZONTAL SEPARATION BETWEEN ALL WATER LINES (MAINS, SERVICES, AND FIRE HYDRANTS) AND ALL SANITARY SEWER LINES (MAINS, SERVICES, AND MANHOLES). ALL SEPARATION DISTANCES ARE TO BE MEASURED FROM EDGE-TO-EDGE, AT THE CLOSEST POINT.
12. MAINTAIN A MINIMUM OF 2-FOOT VERTICAL SEPARATION BETWEEN ALL WATER LINES (MAINS AND SERVICES) AND ALL GRAVITY SANITARY SEWER LINES (MAINS, SERVICES, AND MANHOLES) AT CROSSINGS. ALL SEPARATION DISTANCES ARE TO BE MEASURED FROM EDGE-TO-EDGE, AT THE CLOSEST POINT.
13. MAINTAIN A MINIMUM OF 2-FOOT VERTICAL SEPARATION BETWEEN ALL WATER LINES (MAINS AND SERVICES) AND ALL PRESSURIZED SANITARY SEWER LINES (FORCE MAINS AND SERVICES) AT CROSSINGS. WATERLINES MUST ALWAYS BE PLACED ABOVE PRESSURIZED SANITARY SEWER LINES WHERE THEY CROSS. ALL SEPARATION DISTANCES ARE TO BE MEASURED FROM EDGE-TO-EDGE, AT THE CLOSEST POINT.
14. CONTRACTOR SHALL LIMIT THE EXTENT OF TRENCH OPENINGS OVERNIGHT AND WEEKENDS TO LESS THAN 50 FEET.
15. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS COMPANIES AND IS EITHER FROM COMPANY UTILITY DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
16. OPENING AND CLOSING OF WATER VALVES SHALL BE DONE SLOWLY TO PREVENT DAMAGE TO THE WATER DISTRIBUTIONS SYSTEM FROM WATER HAMMER. ALL VALVES CLOSED BY THE CONTRACTOR MUST BE REOPENED AS NEW CONSTRUCTION PERMITS. THE 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.
17. THE CONTRACTOR SHALL LAY A TRACER WIRE AND SET TEST STATIONS ALONG ALL WATER PIPE INSTALLED IN ACCORDANCE WITH CITY SPECIFICATIONS AND TRACER WIRE DETAIL ON DETAIL SHEET WL-101, COST IS SUBSIDIARY TO PIPE INSTALLATION.
18. THE CONTRACTOR SHALL PROVIDE MATERIALS FOR TEMPORARY BLOWOFF OF WATERLINES. CONNECTIONS TO THE EXISTING WATERLINE(S) SHALL BE MADE WITH CLEAN, SWABBED PIPE AND FLUSHED UPON COMPLETION OF TIE-INS.
19. DEFLECTIONS AT PIPE JOINT OR COUPLINGS SHALL NOT EXCEED THE PIPE MANUFACTURER'S RECOMMENDED MAXIMUM, WHERE DEFLECTIONS ARE GREATER THAN THE MAXIMUM ALLOWED, THE CONTRACTOR SHALL UTILIZE MULTIPLE JOINTS.
20. ANY EXISTING JOINT EXPOSED DURING EXCAVATION SHALL BE REPLACED IF WITHIN FOUR FEET OF PROPOSED JOINT.
21. THE CONTRACTOR SHALL PROTECT FROM DAMAGE AND SUPPORT EXISTING UTILITIES THROUGH CONSTRUCTION AS APPROVED BY THE UTILITY OWNER AND THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
22. ALL TRAFFIC CONTROL DEVICES IN THE WORK ZONE (INCLUDING MARKINGS AND SIGNS) AND THEIR INSTALLATION AND MAINTENANCE SHALL COMPLY WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL TRAFFIC CONTROL DEVICES IN THE TRAVELED WAY OR CLEAR ZONE SHALL BE CRASHWORTHY (NCHRP REPORT 350 OR MASH COMPLIANT).  
[https://safety.fhwa.dot.gov/roadway\\_dept/countermeasures/reduce\\_crash\\_severity/](https://safety.fhwa.dot.gov/roadway_dept/countermeasures/reduce_crash_severity/)
23. ALL CONSTRUCTION EQUIPMENT, INCLUDING VEHICLES, MATERIALS, AND DEBRIS, SHALL BE STORED OUTSIDE OF THE CLEAR ZONE, WHERE THIS CANNOT BE ACHIEVED THE CONTRACTOR SHALL PLACE APPROPRIATE SIGNS, OBJECT IDENTIFIERS, AND/OR BARRICADES IN COMPLIANCE WITH MUTCD.
24. EXCEPT WHEN REQUIRED FOR SAFETY, TRAFFIC CONTROL SHALL NOT BLOCK ANY LANES OR SIDEWALKS WHEN WORK IS NOT BEING PERFORMED.

25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING EXISTING PROPERTY IRONS SHOWN ON PLANS. THE CONTRACTOR WILL BE REQUIRED TO REESTABLISH ANY SHOWN PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE REESTABLISHED AT THE CONTRACTOR'S EXPENSE BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
26. CONSTRUCTION STAKING SHALL BE PERFORMED BY THE CITY OF WICHITA PUBLIC WORKS DEPARTMENT. ALL STAKING PERFORMED BY THE CITY OF WICHITA WILL BE DONE AT NO COST TO THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE THE SURVEY STAKING WITH THE CITY OF WICHITA PUBLIC WORKS DEPARTMENT AND GIVE THE SURVEYOR 24 HOURS NOTICE WHEN STAKES ARE REQUIRED.
27. ALL STATIONING, RADII, PAVEMENT WIDTHS, OFFSET DISTANCES, ETC... ARE MEASURED TO THE BACK OF THE CURB AND GUTTER AND NOT TO THE PROJECT CENTERLINE UNLESS OTHERWISE NOTED ON THE PLANS. SPOT ELEVATIONS ON PLAN SHEETS ARE AT BACK OF FULL-HEIGHT CURB AND GUTTER FLOW LINE. SPOT ELEVATIONS ON INTERSECTION DETAILS ARE AS NOTED. CROSS-SECTION ELEVATIONS ARE EXISTING SURFACE AND TOP OF PROPOSED SURFACE AT THE PROJECT BASELINE.
28. A SAW CUT OF AT LEAST ONE-HALF THE DEPTH OF THE EXISTING SURFACE COURSES OR ONE-FOURTH THE DEPTH OF THE EXISTING TOTAL PAVEMENT THICKNESS SHALL BE PROVIDED AT LOCATIONS WHERE PROPOSED PROJECTION ABUTS AN EXISTING SURFACE OR PAVEMENT FOR WHICH PARTIAL REMOVAL OF THAT SURFACE OR PAVEMENT IS REQUIRED. SAW JOINT TO FACILITATE REMOVAL WITHIN THREE (3) FEET OF EXISTING JOINTS WILL NOT BE PERMITTED AND FOR SUCH INSTANCES THE LIMITS OF REMOVAL SHALL EXTEND TO THE EXISTING JOINT.
29. CONTRACTOR SHALL REMOVE AND DELIVER TO 1801 S. MCLEAN ALL REMOVED HYDRANTS, AND OTHER ITEMS NOTED FOR REMOVAL DURING CONSTRUCTION. ALL ASSOCIATED COSTS TO TRANSPORT THE SALVAGED MATERIAL WILL BE SUBSIDIARY TO THE BID ITEM "TRANSPORTATION OF SALVAGED MATERIALS".
30. ARTERIAL STREETS SHALL UTILIZE A BM-2 MIX DESIGN WITH PG 64-22 ASPHALT CEMENT FOR THE BASE AND PG 70-28 FOR SURFACE. MILL AND OVERLAY PROJECTS USING BM1-B SURFACE MIXES SHALL ALSO USE PG 70-28 GRADED OIL. THE CONTRACTOR MAY SUBSTITUTE AN ALTERNATE GRADE OF ASPHALT THAT COMPLIES WITH OR EXCEEDS THE UPPER AND LOWER GRADE DESIGNATIONS FOR THE GRADE SPECIFIED. SUCH SUBSTITUTIONS REQUIRE ADVANCED APPROVAL BY THE ENGINEER AND ANY ADDITIONAL COST WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL TEMPORARY ASPHALT PAVEMENT ON THE PROJECT SHALL BE 6" ASPHALT MEETING THE SPECIFICATIONS FOR CITY OF WICHITA BC-1 MIX.
31. BITUMINOUS PAVEMENT SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.
32. A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GAL. PER SQUARE YARD BETWEEN EACH LIFT OF BITUMINOUS MATERIAL.
33. CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF 12 INCHES FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.
34. CRUSHED ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PRIOR TO PLACEMENT OF PAVEMENT. TACK COAT WILL NOT BE APPLIED TO ROCK BASE.
35. ALL AREAS DISTURBED BY CONSTRUCTION THAT ARE ADJACENT TO DEVELOPED PROPERTIES SHALL BE RESTORED WITH SOD TO MATCH EXISTING TURF TYPE. RESTORATION OF DISTURBED AREAS SHALL INCLUDE, BUT NOT BE LIMITED TO, TOP SOIL PREPARATION AND SODDING. ALL SODDING WORK SHALL BE IN ACCORDANCE WITH CITY STANDARD SPECIFICATIONS AND THE CITY ADMINISTRATIVE REGULATION NO. AR6.5, WHICH GOVERNS CLEANUP AND RESTORATION OR REPLACEMENT FOLLOWING CONSTRUCTION. THE "RECAPITULATION OF QUANTITIES" SHOWS THE ESTIMATED SQUARE YARDS OF SODDING, WITH A BID ITEM FOR THE SAME. WHEN THE WEATHER/SEASON PREVENTS THE INSTALLATION OF SOD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING EROSION CONTROL BLANKET (CURLX1 OR APPROVED EQUAL) AT THE BACK OF CURB (8" WIDE MINIMUM). ALL COSTS FOR EROSION MAT INSTALLATION SHALL BE SUBSIDIARY TO "SITE RESTORATION". SEE SECTIONS 902.7 AND 902.8 OF THE STANDARD SPECIFICATIONS.
36. THE CONTRACTOR SHALL RESEED ALL UNDEVELOPED AREAS DISTURBED BY CONSTRUCTION WITH A MIXTURE OF RYEGRASS (APPLIED AT A RATE OF 200 LBS. PER ACRE) AND BUFFALO GRASS, DEPENDING ON THE SOIL CONDITIONS AND LOCAL CLIMATE (SEE STANDARD SPECIFICATIONS). PURE NITROGEN FERTILIZER SHALL ALSO BE APPLIED AT A RATE OF 1.5 LBS. PER THOUSAND SQUARE FEET. THE SEED SHALL BE WATERED WITH A DEEP SOAKING EVERY TWO (2) WEEKS DURING DRY PERIODS UNTIL A MATURE STAND OF GRASS IS OBTAINED. THE "RECAPITULATION OF QUANTITIES" SHOWS THE ESTIMATED SQUARE YARDS OF DISTURBED AREA TO BE SEEDED, WITH A BID ITEM FOR THE SAME. THE PERMANENT SEEDING MAY BE OMITTED ONLY IF SODDING IS REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING EROSION CONTROL BLANKET (CURLX1 OR APPROVED EQUAL) AT THE BACK OF CURB, TO AND INCLUDING THE LIMITS OF ALL SEEDED AREAS. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO "SEEDING".
37. PROPOSED CURBS MATCHING EXISTING CURBS SHALL BE ALTERED TO MATCH THE SHAPE AND DIMENSIONS OF THE EXISTING CURB. POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGH SUCH TRANSITIONS.
38. TEMPORARY CONCRETE SAFETY BARRIERS SHALL BE UTILIZED WHERE OPEN UTILITY TRENCHES AND NON-TRAVERSABLE DROP-OFFS ARE IMMEDIATELY LOCATED ADJACENT TO TRAFFIC. THE BID PRICE FOR "CONCRETE SAFETY BARRIER, TEMPORARY" SHALL INCLUDE PROVIDING THE BARRIER AND INCLUDE THE COST OF MULTIPLE INSTALLATIONS AND REMOVALS AS NECESSARY FOR CONSTRUCTION. REFER TO THE TRAFFIC CONTROL PLANS FOR THE PROPER HANDLING OF TRAFFIC DURING CONSTRUCTION. THE QUANTITY OF BARRIER NOTED IN THE RECAPITULATION REPRESENTS THE MAXIMUM AMOUNT OF BARRIER NEEDED FOR THE SET-UP REQUIRING THE MOST BARRIER.
39. ALL WATER LINE INSTALLATIONS SHALL UTILIZE RESTRAINED JOINTS WHERE NECESSARY TO PROVIDE THRUST RESTRAINT AT FITTINGS, BENDS, TEES, VALVES, DEAD ENDS, ENDS OF DIRECTIONALLY DRILLED SECTIONS, ETC. THRUST BLOCKS WILL NOT BE PERMITTED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE REQUIRED NUMBER OF RESTRAINED JOINT FITTINGS TO PROVIDE ADEQUATE THRUST RESTRAINT AT EACH LOCATION. LINE 1 FROM STATION 10+00 TO STATION 10+43.66, AND STATION 16+73.15 TO STATION 17+78.17 (INCLUDING THE STUB EAST), ALL OF LINE 2 AND ALL OF LINE 3 SHALL UTILIZE RESTRAINED JOINTS AT ALL JOINTS.
40. CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE WOODLAWN STREET RECONSTRUCTION PROJECT CURRENTLY UNDER CONSTRUCTION. CONTACT DAKOTA ZIMMERMAN WITH GARVER USA AS FOLLOWS:  
OFFICE PHONE: (316) 264-8008  
CELL PHONE: (316) 250-3542  
DGZIMMERMAN@GARVERUSA.COM

**Note:**  
The following items will be supplied by the City of Wichita for the construction of Lines 2 & 3:  
24"x20' 0905 DR 18 GJ Pipe  
24" DIMJ Long Solid Sleeve  
24" DIMJ 22.5 Degree Bend  
24" PVC Meg A Lug  
24" DI Meg A Lug  
STORZ MED Wichita Hydrant 5 FT  
16"x20' C905 DR 18 GJ Pipe  
16" DIMJ 22.5 Degree Bend  
16" DIMJ Long Solid Sleeve  
16" PVC Meg A Lug  
16" DI Meg A Lug  
16"x6" DIMJ x Swivel Anchor Tee

**NOTE:**  
WATER LINE VALVES TO BE OPERATED BY CONTRACTOR ONLY IF WATER INSPECTOR IS ON SITE.



PERMANENT PAVEMENT PATCH						
Location	Side	AC Pavement Removed & Replaced (L.F.)	Concrete Sidewalk 4" Removed & Replaced (L.F.)	C&G Removed & Replaced (L.F.)	Remove & Replace Wheelchair Ramp (EA)	Remarks
48+64.84 to 49+19.84	Rt.			55.0		
48+64.84 to 49+19.84	Lt.	55.0				
50+39.76 to 50+58.6	Lt.		8.2	21.4	1	
55+64.79 to 55+80.79	C/L	55.6	16.0	16.0		
<b>Total</b>		110.6	24.2	92.4	1	

ASPHALT PAVEMENT AND BASE				
Location	Side	AC Pavement 7" (5" Bit Base) (SY)	Crushed Rock Base 8", Reinforced (SY)	Remarks
50+80.14 to 56+01.89	Rt.	670.1	872.8	
<b>Total</b>		670.1	872.8	

CONCRETE CURB AND GUTTER			
Location	Side	Concrete C&G, Type 4, Special (6" & 1 1/2") (L.F.)	Remarks
50+80.14 to 56+01.89	Rt.	521.8	
<b>Totals</b>		521.8	

EARTHWORK					
Location	EXCAVATION ITEMS			Fill, Compacted (95% Density) (CY)	Remarks
	Pavement and/or Curb Removed (SY)	Sidewalk, Drive, and/or Pkg Lot Removed (SY)	Common Excavation (CY)		
Project	815				
<b>Total</b>	815				

BID ITEM DESCRIPTION	QUANTITY TOTAL	UNIT
<b>Lump Sum Bid Items</b>		
Mobilization	1	LS
Transportation of Salvaged Material	1	LS
Site Clearing	1	LS
Site Restoration	1	LS
Sodding, Fescue	1	LS
Pavement and / or Curb Removed	815	S.Y.
Crushed Rock Base 8", Reinforced	873	S.Y.
Traffic Control	1	LS

<b>Measured Quantity Bid Items</b>		
AC Pavement 7" (5" Bituminous Base)	671	S.Y.
Concrete C&G, Type 4 (6" & 1 1/2")	522	L.F.
AC Pavement Removed & Replaced	111	L.F.
C & G Removed & Replaced	93	L.F.
Concrete Sidewalk Removed & Replaced	25	L.F.
Wheelchair Ramp Removed & Replaced	1	Each
Pipe, RCP 30", Removed & Reset	12	L.F.
Concrete Collar	1	Each
BMP, Back of Curb Protection	722	L.F.
BMP, Curb Inlet Protection	2	Each
Sign, Elec. Portable Message	14	Day
Concrete Safety Barrier, Temporary	250	L.F.

<b>Measured Quantities Bid Items - Water</b>		
Pipe, WL 16" DICL	35	L.F.
Pipe, WL 16"	34	L.F.
Pipe, WL 20"	624	L.F.
Pipe, WL 20" Trenchless	175	L.F.
Pipe, WL 24" DICL	26	L.F.
Pipe, WL 24"	40	L.F.
Valve Assembly, Anchored 20"	2	Each
20"x24" Tapping Sleeve & Valve	1	Each
Fire Hydrant Assembly	1	Each
Fire Hydrant Removal	1	Each
Connect To Existing Pipe	6	Each
Pipe Removed	120	L.F.

SUMMARY OF WATER ITEMS												
Line No.	Pipe, DICL 16" (lf)	Pipe, WL 16" (lf)	Pipe, WL 20" (lf)	Pipe, WL 20" Trenchless (lf)	Pipe, DICL WL 24" (lf)	Pipe, WL 24" (lf)	Valve Assy. 20" (ea)	20"x24" Tapping Sleeve & Valve (ea)	Fire Hydrant Assy. (ea)	Fire Hydrant Removal (ea)	Connect to Ex. Pipe (ea)	Pipe Removed (lf)
1			623.2	175.0			2	1			2	
2					25.4	40.0					2	64.7
3	34.2	33.2							1	1	2	54.7
<b>Total</b>	34.2	33.2	623.2	175.0	25.4	40.0	2	1	1	1	6	119.4



37TH STREET WATER LINE

PLANS FOR WICHITA, KS

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### GENERAL NOTES AND SUMMARY OF QUANTITIES

PROJECT NO.	1901010483	
DATE	DEC. 2021	
SCALE	NO SCALE	
DESIGNED	DRAWN	CHECKED
JRA	WNJ	JRA

NO.	REVISION	DATE

SHEET NO.