PLOTTED: Friday, August 01, 2025 @ 02:49PM

GENERAL NOTES

UNLESS SHOWN OR STATED OTHERWISE ON THESE DRAWINGS, DRAWINGS, MATERIALS, AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF WICHITA STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF SEVENTY–TWO (72) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:
KANSAS ONE–CALL 1–800–344–7233
OR LOCAL WICHITA 687–2470
THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

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.

ALL CONSTRUCTION STAKING SHALL BE PERFORMED BY THE CONTRACTOR, INCLUDING STAKING FOR STRUCTURES AND BRIDGES. STAKING WILL BE PAID FOR AS "CONSTRUCTION STAKING".

UTILITY SERVICE LINES, POLES, VALVE BOXES, METERS, ETC... ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. SOME UTILITIES HAVE BEEN RELOCATED AND MAY NOT REFLECT SO ON THE PLANS. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT–OF–WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

ALL STATIONING, RADII, PAVEMENT WIDTHS, OFFSET DISTANCES, ETC... ARE MEASURED TO THE BACK OF THE CURB AND GUTTER AND ALONG THE PROJECT BASELINE UNLESS OTHERWISE NOTED ON THE PLANS. SPOT ELEVATIONS ON PLAN SHEETS ARE AT BACK OF CURB AND GUTTER FLOW LINE. CROSS–SECTION ELEVATIONS ARE EXISTING SURFACE AND TOP OF PROPOSED SURFACE AT THE PROJECT BASELINE.

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 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 ARCHEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION. MILLINGS FROM THE "MILL AND OVERLAY" OPERATION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF ON SITES PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION.

A FULL–DEPTH SAW CUT SHALL BE PROVIDED AT LOCATIONS WHERE PROPOSED CONSTRUCTION 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.

CONTRACTOR SHALL REMOVE AND DELIVER TO 1801 S. MCLEAN ALL TRAFFIC SIGNS, BOLLARDS, AND MANHOLE FRAMES AND LIDS NOTED FOR REMOVAL IN THE PLANS. THE EXISTING CONCRETE BARRIER AND WIRE GATE SHALL BE REMOVED AND DELIVERED TO 5300 S. MERIDIAN. CONTACT BRET RUSSELL AT (316) 350–3176 (OFFICE) OR (316) 253–7424 (CELL) TO COORDINATE DELIVERY OF THE CONCRETE BARRIER WIRE GATE. ALL ASSOCIATED COSTS TO TRANSPORT SALVAGE MATERIALS WILL BE SUBSIDIARY TO THE BID ITEM "TRANSPORTATION OF SALVAGED MATERIALS".

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 (CURLEX I, 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.

SELECT SOIL (TOPSOIL) SHALL BE PLACED AT A MINIMUM DEPTH OF 6 INCHES OR AS SPECIFIED ON THE DRAWINGS. THE FINISHED GRADE INDICATES THE SURFACE ELEVATION AFTER THE PRESCRIBED SELECT SOIL (TOPSOIL) THICKNESS HAS BEEN PLACED. WHERE OFFSITE SELECT SOIL IS NEEDED, IT SHALL BE FERTILE NATURAL TOPSOIL, TYPICAL OF THE LOCALITY, OBTAINED FROM WELL DRAINED AREAS. STOCKPILED TOPSOIL MAY BE USED. IT SHALL BE WITHOUT ADMIXTURE OF SUBSOIL OR SLAG AND SHALL BE FREE OF STONES, LUMPS, STICKS, PLANTS, OR THEIR ROOTS, TOXIC SUBSTANCES OR OTHER EXTRANEOUS MATTER THAT MAY BE HARMFUL TO PLANT GROWTH OR WOULD INTERFERE WITH FUTURE MAINTENANCE. TOPSOIL PH RANGE SHALL BE 5.5 TO 7.0. TOPSOIL SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO PLACEMENT. SELECT SOIL IMPORTED WILL BE SUBSIDIARY TO EXCAVATION. NO ADDITIONAL PAYMENT WILL BE MADE TO IMPORT OFF–SITE SELECT SOIL.

ALL GRAVEL OR OTHER SIMILAR DEBRIS LARGER THAT ½ INCH IN DIAMETER SHALL BE RAKED UP AND REMOVED DURING FINAL GRADE PREPARATION.

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.

CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL MANHOLE COVERS.

EXISTING CONCRETE PAVEMENT THICKNESS IS 6". EXISTING ASPHALT PAVEMENT THICKNESS IS 7".

CRUSHED ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PRIOR TO PLACEMENT OF PAVEMENT.

NEW STORM SEWER AND EXISTING STORM SEWERS TO REMAIN SHALL BE PROTECTED FROM DAMAGE FROM CONSTRUCTION TRAFFIC DURING CONSTRUCTION OPERATIONS.

TREES TO BE REMOVED ARE MARKED ⊗ OR ARE NOTED ON THE PLAN. TREE REMOVAL SHALL BE PAID FOR AS "TREE REMOVAL, LARGE" OR "TREE REMOVAL, SMALL". REMOVAL OF MASS TREE AREAS, BRUSH, SHRUBS AND OTHER VEGETATIVE DEBRIS INCLUDING STUMPS FROM TREES THAT HAVE ALREADY BEEN REMOVED PRIOR TO CONSTRUCTION SHALL BE SUBSIDIARY TO "SITE CLEARING". SEE THE SPECIAL PROVISIONS.

ALL BACKFILL FOR STORM SEWER TRENCHES SHALL BE IN ACCORDANCE WITH THE CITY OF WICHITA'S STANDARD SPECIFICATIONS. BACKFILL FOR STORM SEWER UNDER EXISTING OR PROPOSED PAVEMENT, INCLUDING LINES RUNNING PARALLEL AND ADJACENT TO THE BACK OF CURB, SHALL BE JETTED AND VIBRATED SAND. THE SAND FILL SHALL BE BROUGHT UP UNIFORMLY TO AN ELEVATION TWO FEET BELOW THE BOTTOM OF THE EXISTING OR PROPOSED PAVEMENT (12 INCHES ABOVE THE TOP OF PIPE SHALL BE THE MINIMUM). COST FOR THIS BACKFILL SHALL BE PAID ON A LINEAR FOOT BASIS AS "FILL, SAND (FLUSHED & VIBRATED)". SEE THE SPECIAL PROVISIONS.

UNDER NO CIRCUMSTANCE SHALL HEAVY CONSTRUCTION EQUIPMENT TRAVEL WITHIN 10 FEET OF THE EXISTING 48" WATER LINE SHOWN ON THE PLANS WITH THE EXCEPTION FOR TRAVEL ON EXISTING PAVED STREETS. HEAVY CONSTRUCTION MATERIAL SUCH AS BRIDGE GIRDERS SHALL NOT BE STORED WITHIN 10 FEET OF THE EXISTING 48" WATER LINE. THE CONTRACTOR SHALL LOCATE THE WATER LINE IN THE FIELD AND ERECT TEMPORARY 4 FEET TALL PLASTIC SNOW FENCE WITH STEEL POSTS 15 FEET FROM THE CENTER OF THE WATER LINE TO PREVENT CONSTRUCTION TRAFFIC AND ACTIVITIES FROM ENCROACHING NEAR THE WATER LINE. FENCE ERECTED WITHIN THE DRAINAGE CANAL IS TO BE REMOVED IN ADVANCE OF SIGNIFICANT RAINFALL EVENTS AND REPLACED AFTER CHANNEL FLOWS RESTORE TO NORMAL. FENCE IS NOT TO BE ERECTED WITHIN THE PILOT CHANNEL IN THE DRAINAGE CANAL. FENCE SHALL BE PAID FOR AS "FENCE, TEMPORARY CONSTRUCTION" AND WILL BE PAID FOR AT THE MEASURED QUANTITY PRICE TO PERFORM ALL ERECTIONS, MAINTENANCE, TEMPORARY REMOVALS AND REPLACEMENTS, AND FINAL REMOVAL OF FENCE MATERIALS. A QUANTITY OF 800 L.F. OF FENCE HAS BEEN ESTIMATED.

SUITABLE MATERIAL FROM THE VARIOUS LOCATIONS OF SOIL EXCAVATION ON THE PROJECT MAY BE REUSED FOR PROJECT FILLS IF APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE SUFFICIENT INFORMATION TO THE ENGINEER TO DETERMINE SOIL SUITABILITY.

REMOVED ROCK GABION MATERIALS, PAVEMENT, SIDEWALKS, AND CONCRETE CHANNEL LINING MAY NOT BE REUSED IN PROJECT FILLS.

EXCAVATED SOIL MATERIALS MAY NOT BE STOCKPILED WITHIN THE DRAINAGE CANAL OR WITHIN MCADAMS PARK UNLESS APPROVED BY THE ENGINEER. STOCKPILING MATERIAL WILL BE PERMITTED WITHIN THE PROPERTY EAST OF THE DRAINAGE CHANNEL OWNED BY THE CITY OF WICHITA. USE OF THIS PROPERTY WILL REQUIRE AN AGREEMENT WITH THE CITY OF WICHITA BOARD OF PARK COMMISSIONERS. CONTACT PROPERTY MANAGEMENT (316) 268–4237 FOR COORDINATION OF THE AGREEMENT PROCESS.

ALL STOCKPILE LOCATIONS AND SHALL BE APPROVED BY THE ENGINEER. STOCKPILING MATERIAL OVER THE 48" WATER LINE AND WITHIN ROOT ZONES OF TREES WILL NOT BE PERMITTED. STOCKPILES SHALL BE PROTECTED WITH BIODEGRADABLE LOG BARRIER INSTALLED AROUND THE PERIMETER OF THE MATERIAL. INSTALLING AND MAINTAINING THE BARRIER SHALL BE SUBSIDIARY TO THE BID ITEM "BMP, BIODEGRADABLE LOG". SEE SHEET 77 FOR ADDITIONAL EROSION PROTECTION AND SITE RESTORATION NOTES PERTAINING TO TEMPORARY MATERIAL STOCKPILES.

TREE PRESERVATION:
EXISTING TREES ARE AN IMPORTANT ASSET TO THIS PROJECT. EVERY EFFORT SHOULD BE MADE TO PRESERVE EACH AND EVERY TREE (UNLESS NOTED FOR REMOVAL) AS DIRECTED IN THESE PLANS & NOTES.

BEFORE ANY TYPE OF CONSTRUCTION BEGINS WITHIN THE IMPROVEMENT AREA THE CONTRACTOR SHALL INSTALL PROTECTION FENCE AROUND ALL TREE MASSES & INDIVIDUAL TREES THAT ARE NOT NOTED FOR REMOVAL. TREE PROTECTION SHALL BE SUBSIDIARY TO PROTECT. SEE DETAIL, THIS DETAIL.

EQUIPMENT AND CONSTRUCTION MATERIALS SHALL REMAIN OUT OF AND AWAY FROM TREE DRIPLINES SO AS TO NOT COMPACT THE ROOT ZONE OR DAMAGE THE TREE. CHEMICAL SPILL DAMAGE SHALL BE PREVENTED BY FILLING GAS TANKS, CLEANING TOOLS & REPAIRING EQUIPMENT WELL OUTSIDE TREE PROTECTED ROOT ZONES. CONCRETE MORTAR SHALL BE MIXED ON A THICK PLASTIC TARP. MIXING TRUCKS SHALL BE RINSED OUT OFF SITE. WHERE IT OCCURS THAT A CONSTRUCTION ROUTE OR A PROPOSED IMPROVEMENT OCCURS WITHIN A TREES (PRZ) IT MAY BE NECESSARY DEPENDENT UPON THE TYPE OF CONSTRUCTION AND EQUIPMENT USED, TO INSTALL A ROOT PROTECTION BRIDGE (I.E. 24" LAYER OF WOOD MULCH) OR APPROVED EQUIVALENT, THIS MAY BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE LANDSCAPE ARCHITECT.

ANY TREE THAT MUST HAVE BRANCHES REMOVED SHALL BE TRIMMED WITH SHARP INSTRUMENT/TOOL THAT IS INTENDED FOR SUCH OPERATIONS. CONSULT LANDSCAPE ARCHITECT PRIOR TO TRIMMING. KNOCKING BRANCHES OFF WITH A BACK HOE OR OTHER SIMILAR MACHINE IS NOT ACCEPTIBALE! REFER TO TREE TRIMMING DETAIL ON THIS SHEET FOR TRIMMING PROCEDURE.

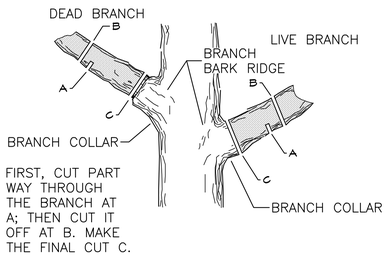
WHERE ROOT CUTTING IS NECESSARY ON TREES WHICH ARE TO REMAIN, THE ROOTS SHALL BE VERTICALLY CUT WITH A SHARP INSTRUMENT OR TRENCHER PRIOR TO EXCAVATING SOIL AROUND TO ROOTS.

CHANNEL DEWATERING:
THE CONTRACTOR WILL BE RESPONSIBLE FOR DIVERTING AND/OR MITIGATING WATER FLOW WITHIN THE DRAINAGE CHANNEL THROUGH CONSTRUCTION. THIS WORK WILL BE PAID FOR AS "DEWATERING" AND MEASURED BY THE LUMP SUM. PAYMENT WILL INCLUDE ALL MATERIALS, EQUIPMENT AND LABOR TO PERFORM NECESSARY DEWATERING DURING THE CONSTRUCTION OF THE GABION PILOT CHANNEL RELOCATION. IT IS ANTICIPATED THAT CONSTRUCTION OF THE RELOCATED GABION PILOT CHANNEL WILL OCCUR DURING 'DRY' PERIODS WHEN FLOW IN THE CHANNEL ARE TYPICAL.

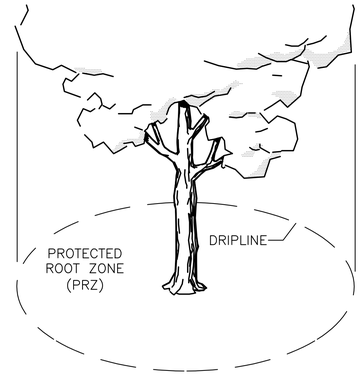
THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE METHOD OF DEWATERING. FLOWS MAY BE DIVERTED AROUND OR THROUGH ACTIVE CONSTRUCTION AREAS AS THE CONTRACTOR DEEMS SUITABLE PROVIDED THAT CONSTRUCTION ACTIVITIES MAINTAIN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS. DAMMING OF THE PILOT CHANNEL MAY BE PERFORMED FOR LIMITED PERIODS WHICH DO NOT CAUSE FLOODING DAMAGE UPSTREAM OR EROSION DAMAGE DOWNSTREAM WHEN PONDED WATER IS RELEASED.

MANAGEMENT OF FLOWS WITHIN THE DRAINAGE CHANNEL DURING AND AFTER RAINFALL EVENTS THAT EXCEED THE CAPACITY OF THE PILOT CHANNEL ARE NOT INCLUDED IN THIS BID ITEM AND WILL BE SUBSIDIARY TO OTHER ITEMS OF WORK.

THE NORMAL 'DRY' FLOW RATE WITHIN THE CHANNEL IS ESTIMATED TO BE APPROXIMATELY 20 CFS BASED ON MANNING'S FORMULA USING THE FOLLOWING ESTIMATED PARAMETERS:
- N = 0.03
- CHANNEL SLOPE = 0.051%
- WIDTH OF FLOW = 18'
- DEPTH OF FLOW = 1'



TREE TRIMMING DETAIL
NOT TO SCALE



WHERE EXCAVATION FOR NEW CONSTRUCTION IS REQUIRED WITHIN TREE PROTECTION ZONES, HAND CLEAR AND EXCAVATE TO MINIMIZE DAMAGE TO ROOT SYSTEMS. USE NARROW–TINE SPADING FORKS, COMB SOIL TO EXPOSE ROOTS, AND CLEANLY CUT ROOTS AS CLOSE TO EXCAVTION AS POSSIBLE.

1. COVER EXPOSED ROOTS WITH BURLAP AND WATER REGULARLY.

2. TEMPORARILY SUPPORT AND PROTECT ROOTS FROM DAMAGE UNTIL THEY ARE PERMANENTLY REDIRECTED AND COVERED WITH SOIL.

3. BACKFILL WITH SOIL AS SOON AS POSSIBLE.

TEMPORARY TREE PROTECTION DETAIL
NOT TO SCALE

MKEC
Wichita, KS • 316.684.9600

IMPROVEMENT PLANS FOR

15TH STREET BRIDGE OVER THE WICHITA DRAINAGE CANAL

WICHITA, KS

GENERAL NOTES

PROJECT NO. 472-2023-085864

SCALE NONE

DRAWN	DESIGNED	CHECKED
LWG	JRA	JRA

NO.	REVISION	DATE
0	ISSUED FOR CONSTRUCTION	8-1-2025

SHEET NO. 2 OF 114

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