

GENERAL NOTES

UNLESS SHOWN OR STATED OTHERWISE ON THESE DRAWINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF WICHITA CONCRETE PAVEMENT AND ASPHALTIC CONCRETE PAVEMENT SPECIFICATIONS. REFERENCES WITHIN THESE PLANS TO KDOT CONCRETE GRADES MAY BE IGNORED.

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 687-2470 (LOCAL WICHITA)

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

AT&T (TELEPHONE)	800-870-8390
COX COMMUNICATIONS (CABLE)	262-0661
WESTAR (ELECTRIC)	383-8600
KANSAS GAS SERVICE (GAS)	832-3101
CITY OF WICHITA WATER & SEWER MAINT.	262-6000
AQUILA (GAS)	946-0096

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.

EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. 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.

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 ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.

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 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.

ALL TREES TO BE REMOVED ARE MARKED . COSTS SHALL BE PAID AS SITE CLEARING AND RESTORATION.

CONNECTION OF EXISTING STORM SEWERS, SANITARY SEWERS OR DRAINAGE STRUCTURES TO PROPOSED CONDUITS AND/OR STRUCTURES SHALL INCLUDE ALL MATERIAL, EQUIPMENT AND LABOR. THESE CONNECTIONS SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS PROPOSED CONDUITS OR STRUCTURES. THIS WORK SHALL BE AS DIRECTED BY THE ENGINEER AND SHALL BE SUBSIDIARY TO THE SPECIFIC STRUCTURE BID ITEMS.

ELEVATIONS ARE IN CITY OF WICHITA DATUM.

SELECT SOIL (TOPSOIL SHALL BE PLACED AT A MINIMUM DEPTH OF 6" OR AS SPECIFIED AT ALL LOCATIONS WITHIN THE RIGHT-OF-WAY OUTSIDE OF PAVEMENT. THE FINISHED GRADE INDICATES THE SURFACE ELEVATION AFTER THE PRESCRIBED SELECT SOIL (TOPSOIL) THICKNESS HAS BEEN PLACED.

ALL GRAVEL OR OTHER SIMILAR DEBRIS LARGER THAN 1/2 INCH IN DIAMETER SHALL BE RAKED UP AND REMOVED DURING FINAL GRADE PREPARATION.

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 EXTRANEIOUS 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 LANDSCAPE ARCHITECT PRIOR TO PLACEMENT.

NEW STORM SEWER INSTALLED UNDER PROPOSED PAVEMENTS SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC DURING CONSTRUCTION OPERATIONS.

THE CITY OF WICHITA PUBLIC WORKS DEPT. SHALL TAKE FIELD TIES TO ALL QUARTER SECTION CORNERS. A CITY SURVEY MONUMENT SHALL BE SET IN THE REQUIRED LOCATION WHERE SUCH QUARTER SECTION CORNERS FALL WITHIN THE LIMITS OF PAVEMENT CONSTRUCTION. SURVEY MONUMENTS WILL BE FURNISHED AND INSTALLED AT NO COST TO THE CONTRACTOR. THE CITY OF WICHITA PUBLIC WORKS DEPT. WILL ACCURATELY LOCATE AND INSTALL THE IRON AT THE SECTION CORNER.

ALL CONSTRUCTION STAKING SHALL BE PERFORMED BY THE CITY OF WICHITA PUBLIC WORKS DEPARTMENT 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.

UNLESS INDICATED OTHERWISE IN THE PLANS, THE CITY OF WICHITA WILL SHUT OFF ALL WATER SERVICES THAT ARE TO BE REMOVED AND REPLACED AND REMOVE THE WATER METERS, VAULT, LID AND SETTER. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WHICH SERVICES ARE TO BE REMOVED AND WHEN.

CONTRACTOR SHALL REMOVE AND DELIVER TO 1801 S. MCLEAN ALL SEWER MANHOLE FRAME AND LIDS, REGULATORY SIGNS-STREET NAME SIGNS, SIGNAL POLES, SIGNALS, MAST ARMS, CABINET, ETC. NOTED FOR REMOVAL DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF NEW SIGNS. ALL ASSOCIATED COSTS TO TRANSPORT THE SALVAGED MATERIAL WILL BE SUBSIDIARY TO THE BID ITEM "TRANSPORTATION OF SALVAGED MATERIALS".

ALL BUSINESS SIGNS, POSTS AND LANDSCAPING FEATURES IN CONFLICT WITH THE NEW CONSTRUCTION WILL BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION. UPON THE START OF CONSTRUCTION, ALL ITEMS THAT REMAIN WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY. MAILBOXES IN CONFLICT SHALL REMAIN IN SERVICE AND BE TEMPORARILY RELOCATED DURING CONSTRUCTION AND PERMANENTLY RESET AFTER CONSTRUCTION BY THE CONTRACTOR.

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.

BID ITEM A.C. PAVEMENT, 7" (5" BIT. BASE): ASPHALT CEMENT FOR BITUMINOUS MATERIAL SHALL BE PG 70-28 FOR SURFACE AND BASE COURSES. BM-2 AGGREGATE SHALL BE USED IN SURFACE AND BASE COURSES.

BID ITEM 5" ASPHALT PAVEMENT (3" BIT. BASE). MATERIAL SHALL CONFORM TO CITY OF WICHITA. SC-1 FOR SURFACE COURSES AND BC-1 FOR BASE COURSES.

BITUMINOUS SURFACE COURSE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.

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.

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.

CRUSHED ROCK SUBGRADE 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.

INLET HOOK-UPS SHALL BE CONSTRUCTED AS INDICATED ON THE INLET DETAIL DRAWINGS AND SHALL BE BID AS "INLET HOOK-UP". NO DISTINCTION WILL BE MADE BETWEEN HOOK-UPS BASED ON THE SIZE AND TYPE OF INLET.

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. AR78, 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".

IN GENERAL, WICHITA TRANSIT AUTHORITY BENCHES SHALL BE RELOCATED BEHIND THE PROPOSED CURB AT THE SAME STATION OF THE CURRENT LOCATION. COORDINATE WITH THE ENGINEER AND WITH THE WTA TO RESOLVE CONFLICTS WITH OBSTACLES PREVENTING RELOCATION IN THIS MANNER.

ALL PORTIONS OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF BROADWAY AND MT. VERNON SHALL BE REMOVED INCLUDING THE TRAFFIC SIGNAL MANHOLES ALONG ALL APPROACHES. REFER TO THE PREVIOUS NOTE ON THIS PAGE CONCERNING SALVAGING OF PORTIONS OF THE SIGNAL.

ALL PORTIONS OF EXISTING STORM AND SANITARY SEWERS INCLUDING INLETS, MANHOLES AND SEWER PIPE WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED OR ABANDONED IN PLACE IN ACCORDANCE WITH CITY STANDARDS. COST SHALL BE INCLUDED AS PART OF THE BID ITEM "REMOVAL OF EXISTING STRUCTURES".

IRRIGATION SYSTEMS DISTURBED BY CONSTRUCTION SHALL BE REPAIRED AND RESTORED TO WORKING ORDER BY THE CONTRACTOR. CONTRACTOR SHALL COORDINATE IRRIGATION RESTORATION WITH THE LAND OWNER AND THE LAND OWNER'S IRRIGATION CONTRACTOR.

PAVEMENT CROSS-SLOPE TRANSITIONS WILL BE REQUIRED WHERE PROPOSED PAVEMENT MATCHES EXISTING PAVEMENT. TRANSITIONS SHALL BE MADE OVER AN ADEQUATE LENGTH TO PREVENT SUMPS FROM BEING CREATED IN GUTTERS.

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 PROJECT. SEE DETAIL, THIS SHEET.

EQUIPMENT AND CONSTRUCTION MATERIALS SHALL REMAIN OUT OF AND AWAY FROM TREE DRILINES 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 TREE'S (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 ACCEPTABLE! 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.

ITEMS NOTED FOR REMOVAL MAY BE ABANDONED IN-PLACE IF DONE SO IN CONFORMANCE WITH CITY STANDARD SPECIFICATIONS AT NO ADDITIONAL COST TO OWNER. ITEMS NOTED TO BE ABANDONED IN-PLACE MAY BE REMOVED AT THE CONTRACTOR'S DISCRETION OR IF IN CONFLICT WITH THE PROPOSED IMPROVEMENTS AT NO ADDITIONAL COST TO OWNER. COST FOR REMOVAL OR ABANDONMENT IS SUBSIDIARY TO "REMOVAL OF EXISTING STRUCTURES" AND INCLUDES ALL REMOVAL ITEMS, NOT JUST THE ITEMS INCLUDED IN THE TABLES SHOWN ON THE PLAN SHEETS. EXCEPTIONS: SANITARY SEWER PIPE TO BE REMOVED SHALL BE PAID FOR AS "REMOVE EXISTING SANITARY SEWER". SANITARY SEWER MANHOLES TO BE REMOVED SHALL BE PAID FOR AS "REMOVE EXISTING MANHOLE". SANITARY SEWER MANHOLES TO BE ABANDONED SHALL BE PAID FOR AS "ABANDON EXISTING MANHOLE".

AFTER NEW FIRE HYDRANTS HAVE BEEN PLACED IN SERVICE, THE OLD FIRE HYDRANT IS TO BE REMOVED, HYDRANT VALVE ABANDONED IN-PLACE. THE BRANCH CAPPED AND THE HYDRANT DELIVERED TO 1801 S. MCLEAN.

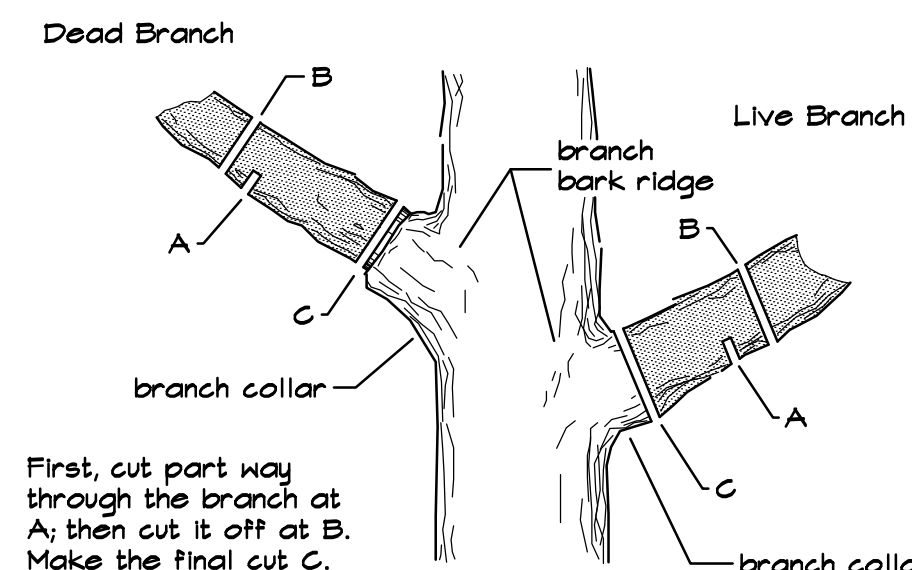
PRE-CAST STORM INLETS AND MANHOLE STACKS WILL BE ALLOWED ON THIS PROJECT.

ANY DISTURBED AREAS WITHIN THE RIVER BANKS SHALL BE RESTORED AS FOLLOWS: SEEDING TO BE ACCOMPLISHED DURING THE PERIOD OF AUGUST 15 THROUGH MARCH 15 WITH THE FOLLOWING AMOUNT AND TYPE OF SEED FOR THE MIX AT A RATE OF 8 POUNDS TOTAL PER 1,000 SQUARE FEET:

4 POUNDS K-31 FESCUE
2 POUNDS WESTERN WHEATGRASS
2 POUNDS SMOOTH BROME

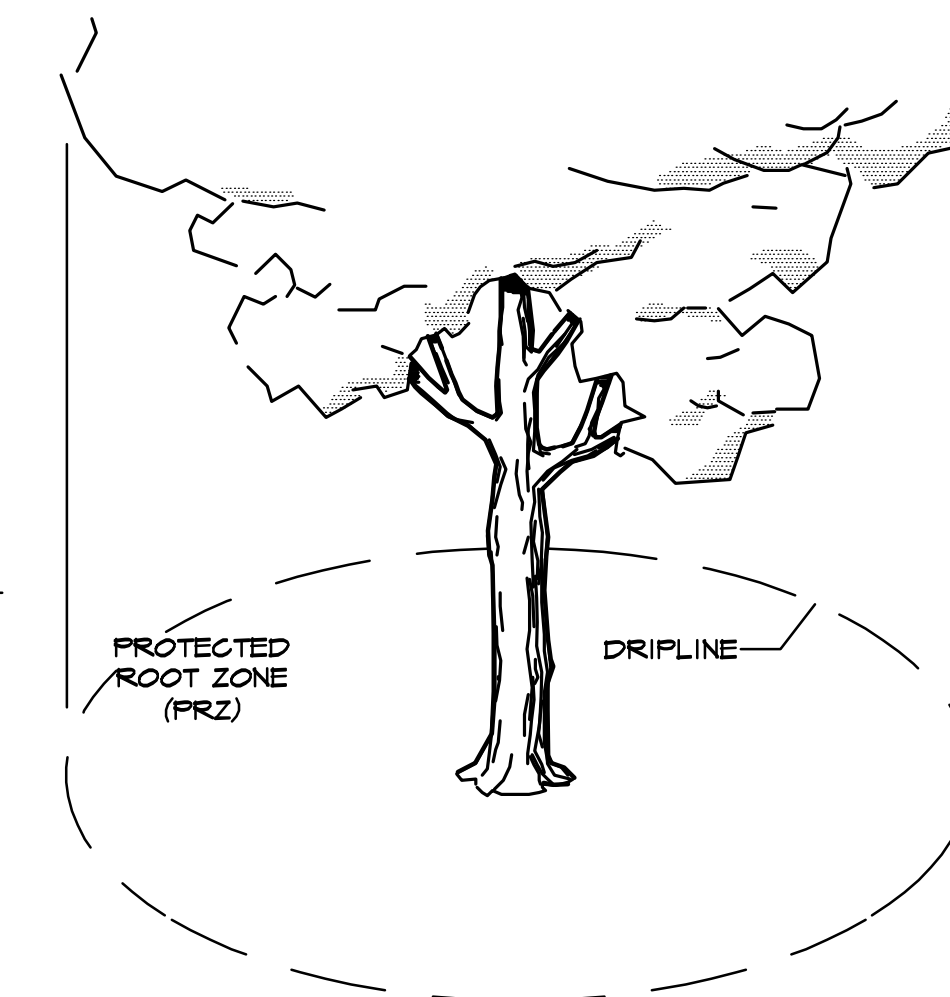
COST TO BE SUBSIDIARY TO "SITE RESTORATION".

THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING EROSION CONTROL BLANKET (CURLEX I, OR APPROVED EQUAL) OVER ALL SEEDED AREAS. ALL COSTS FOR EROSION MAT INSTALLATION SHALL BE SUBSIDIARY TO "SITE RESTORATION".



First, cut part way through the branch at A; then cut it off at B. Make the final cut C.

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 EXCAVATION 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
ENGINEERING
CONSULTANTS, INC.

411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

**MT VERNON STREET AND
DRAINAGE IMPROVEMENTS
FROM GREENWAY TO BROADWAY**

GENERAL NOTES

SHEET TITLE 472-84289
448-90385
468-84514
PROJECT NUMBER

JRA
DESIGN BY
JSB
DRAWN BY
JRA
CHECKED BY

ISSUED
May 27, 2008
REVISED

SHEET NO.

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