

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0243-01	2005	2	169
Federal Aid No. STP N024(301)				

GENERAL NOTES

FILL, FLUSH AND VIBRATE APPROVED SAND ALONG RCP AND UP TO 6" ABOVE RCP. ALL MATERIALS, LABOR, TOOLS, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK SHALL BE SUBSIDIARY TO THE BID ITEM "SAND FILL, FLUSH & VIBRATE".

CONCRETE COLLARS SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE SUBSIDIARY TO THE INDIVIDUAL PIPE BID ITEMS.

PAVEMENT MARKINGS - ALL PAVEMENT MARKINGS SHALL BE EPOXY UNLESS OTHERWISE APPROVED BY THE ENGINEER. PAVEMENT MARKINGS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SHALL MEET KDOT'S STANDARD SPECIFICATIONS 806 AND 2214. FULL TRAFFIC MAY NOT BE RESTORED (AND SUBSTANTIAL PROJECT COMPLETION ACHIEVED) UNTIL ALL PAVEMENT MARKINGS ARE IN PLACE. SHOULD CONSTRUCTION TIMING BE SUCH THAT RESTORATION OF TRAFFIC BECOMES NECESSARY DURING TEMPERATURES PROHIBITING THE INSTALLATION OF EPOXY MARKINGS, THE CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY MARKINGS UNTIL SUCH TIME THAT EPOXY MARKINGS MAY BE PROPERLY INSTALLED. EXCEPT FOR THE MATERIAL REQUIREMENT, TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED EQUIVALENT, IN EVERY MANNER (I.E. DIMENSION, FREQUENCY, SPACING, ETC.), TO THE PERMANENT MARKING LAYOUT. THE COST FOR TEMPORARY PAVEMENT MARKINGS WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THE BID ITEM FOR "PAVEMENT MARKINGS".

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. 6.5, 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 (CURLX 1, OR APPROVED EQUAL) AT THE BACK OF CURB (8' WIDE MINIMUM). ALL COSTS FOR EROSION MAT INSTALLATION SHALL BE SUBSIDIARY TO "SITE RESTORATION".

ALL AREA DISTURBED BY CONSTRUCTION THAT ARE ADJACENT TO NON-DEVELOPED PROPERTIES SHALL BE RESTORED BY SEEDING WITH A MIXTURE OF RYEGRASS (APPLIED AT A RATE OF 200 LBS. PER ACRE) AND FESCUE, BERMUDA, OR BUFFALO GRASS, DEPENDING ON THE SOIL CONDITIONS (APPLIED PER 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 DEEP SOAKING EVERY TWO (2) WEEKS DURING DRY PERIODS UNTIL A MATURE STAND OF GRASS IS OBTAINED. THE "RECAPITULATION OF QUANTITIES" WILL SHOW THE ESTIMATED SQUARE YARDS OF SEEDING, WITH A BID ITEM FOR THE SAME. THE PERMANENT SEEDING MAY BE OMITTED ONLY IF SODDING IS REQUIRED IN ACCORDANCE WITH PREVIOUS GENERAL NOTE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING EROSION CONTROL BLANKET (CURLX 1, 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 THE SEEDING BID ITEM.

FABRIC BASE REINFORCEMENT SHALL BE BX 1100 GEOGRID AS MANUFACTURED BY TENSAR 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.

ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PRIOR TO PLACEMENT OF PCCP. TACK COAT WILL NOT BE APPLIED TO ROCK BASE.

A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL AT TIE-IN LOCATIONS.

PUBLIC AND PRIVATE UTILITY FACILITIES SHALL BE MOVED OR ADJUSTED AS NECESSARY BY THE OWNERS TO FIT THE NEW CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE PROPOSAL.

ALL SAW CUTS SHOWN ON THE PLANS SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO OTHER ITEMS OF THE CONTRACT. THE DEPTH OF THE CUT SHALL BE FULL DEPTH.

EXCAVATION SHOWN TO BE WASTED SHALL BE WASTED ON SITES 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.

EXISTING PAVEMENT (CONCRETE AND ASPHALT) EXCAVATED AS PART OF THIS PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF ON SITES APPROVED BY THE ENGINEER.

ALL CONNECTIONS OF EXISTING PIPE TO NEW STRUCTURES OR NEW PIPE TO EXISTING STRUCTURES SHALL BE CONSIDERED SUBSIDIARY TO THE STORM SEWER BID ITEM.

EXISTING STREET SIGNS SHALL BE REMOVED AND DELIVERED INTACT TO THE CITY OF WICHITA MAINTENANCE FACILITY, 1801 S. MCLEAN, WICHITA, KS.

ALL EXISTING CULVERT PIPES NOT IDENTIFIED TO BE SALVAGED SHALL BECOME PROPERTY OF THE CONTRACTOR.

SEDIMENT IN EXISTING PIPE OR STRUCTURES CONNECTING TO NEW PIPE OR STRUCTURES SHALL BE CLEANED OUT. ALL LABOR, EQUIPMENT, AND MATERIALS USED FOR SEDIMENT REMOVAL SHALL BE SUBSIDIARY TO THE BID ITEM "CLEAN EXISTING STRUCTURES."

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 CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION OF THIS PROJECT.

ALL PIPE PLUGS SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE SUBSIDIARY TO THE PROJECT.

REMOVE, CLEAN, STORE AND RECONSTRUCT THE BUS BENCH AND BUS SHELTER AS DESIGNATED IN THESE DRAWINGS. IF THE EXISTING STRUCTURE IS DAMAGED DURING THE REMOVAL OPERATIONS, REPLACE ANY DAMAGED MATERIALS WITH NEW MATERIALS MATCHING THE ORIGINALS. BEFORE REMOVING THE EXISTING STRUCTURES DESIGNATED FOR RECONSTRUCTION, TAKE SUFFICIENT MEASUREMENTS AND COLOR PHOTOGRAPHS OF THE EXISTING STRUCTURES SO THE RECONSTRUCTION DUPLICATES THE ORIGINAL. PROVIDE THE ENGINEER WITH COPIES OF THE MEASUREMENTS AND PHOTOGRAPHS. SUBMIT FOR THE ENGINEER'S APPROVAL, A WRITTEN PLAN FOR THE RECONSTRUCTION OF THE EXISTING STRUCTURES, BEFORE BEGINNING ANY REMOVAL AND RECONSTRUCTION WORK. THE ENGINEER WILL MEASURE REMOVAL AND RECONSTRUCTION OF EXISTING STRUCTURES BY THE LUMP SUM.

CONSTRUCTION OF THE BUS SHELTER PAD AND BUS BENCH PADS AS DESIGNATED IN THESE DRAWINGS SHALL BE PAID AS "CONCRETE SIDEWALK 6".

THE ASPHALT TRANSITIONS FROM NEW CONCRETE CONSTRUCTION TO EXISTING ASPHALT SHALL CONSIST OF 2" SC-1 OVER 3" BC-1 PLACED ON 5" OF REINFORCED CRUSHED ROCK BASE PER CITY OF WICHITA SPECIFICATIONS. ASPHALT TRANSITIONS SHALL BE CONSTRUCTED BETWEEN HIGH-EDGES OF EXISTING CURB & GUTTER AND ON EXISTING BASE MATERIAL.

THE 6" CRUSHED ROCK HOOKUP SHALL BE BUILT WITH TYPE 1 ROCK BEDDING PER CITY OF WICHITA SPECIFICATIONS. (ASTM C33, GRADATION NO. 67)

ALL PERMANENT ASPHALT PAVEMENT ON THE PROJECT SHALL CONFORM TO CITY OF WICHITA SPECIFICATIONS FOR SC-1 FOR SURFACE COURSE AND BC-1 FOR BASE COURSE.

CONCRETE PAVING BRICK NOTES

NONWOVEN GETOTEXTILE MATERIAL SHALL MEET THE REQUIREMENTS OF AASHTO M 288, CLASS 2 (CONTECH C-60NW OR APPROVED EQUAL.)

PAVING BRICKS SHALL COMPLY WITH PEDESTRIAN ASTM C936, 8,000 P.S.I. MINIMUM AVERAGE COMPRESSIVE STRENGTH AND 8% MAXIMUM ABSORPTION. PAVERS SHALL BE BEVEL-EDGED. INSTALL HOLLAND STONE IN A 90° HERRINGBONE PATTERN FROM CURB BACK EDGE TO CURB BACK EDGE. COLOR OF THE PAVING BRICK SHALL BE CHARCOAL-RED (NATURAL, BROWN, SANDSTONE, CHARCOAL, RED/BLACK BLEND).

SAND BEDDING SHALL MEET THE SPECIFICATIONS REQUIREMENTS FOR FINE AGGREGATE, AN UNCOMPACTED SAND LAYING COURSE SHALL BE SPREAD EVENLY OVER THE AREA TO BE PAVED AND THEN SCREENED TO A LEVEL OF APPROXIMATELY 1" THICKNESS, ONCE SCREENED AND LEVELED TO THE DESIRED ELEVATION, THE SAND LAYING COURSE SHALL NOT BE DISTURBED IN ANY WAY.

PAVERS SHALL BE PLACED WITH THE CHAMFERED SIDE UP, AND JOINT SPACES KEPT UNIFORM APPROXIMATELY 1/8" THICK. THE GAPS AT THE EDGE OF THE PAVED SURFACE SHALL BE FILLED WITH PAVERS CUT TO FIT. CUTTING SHALL BE ACCOMPLISHED TO LEAVE A CLEAN EDGE TOWARD THE TRAFFIC SURFACE USING A MASONRY SAW. WHENEVER POSSIBLE, NO CUTS SHOULD RESULT WITH A PAVER LESS THAN ONE-THIRD OF ITS ORIGINAL DIMENSION.

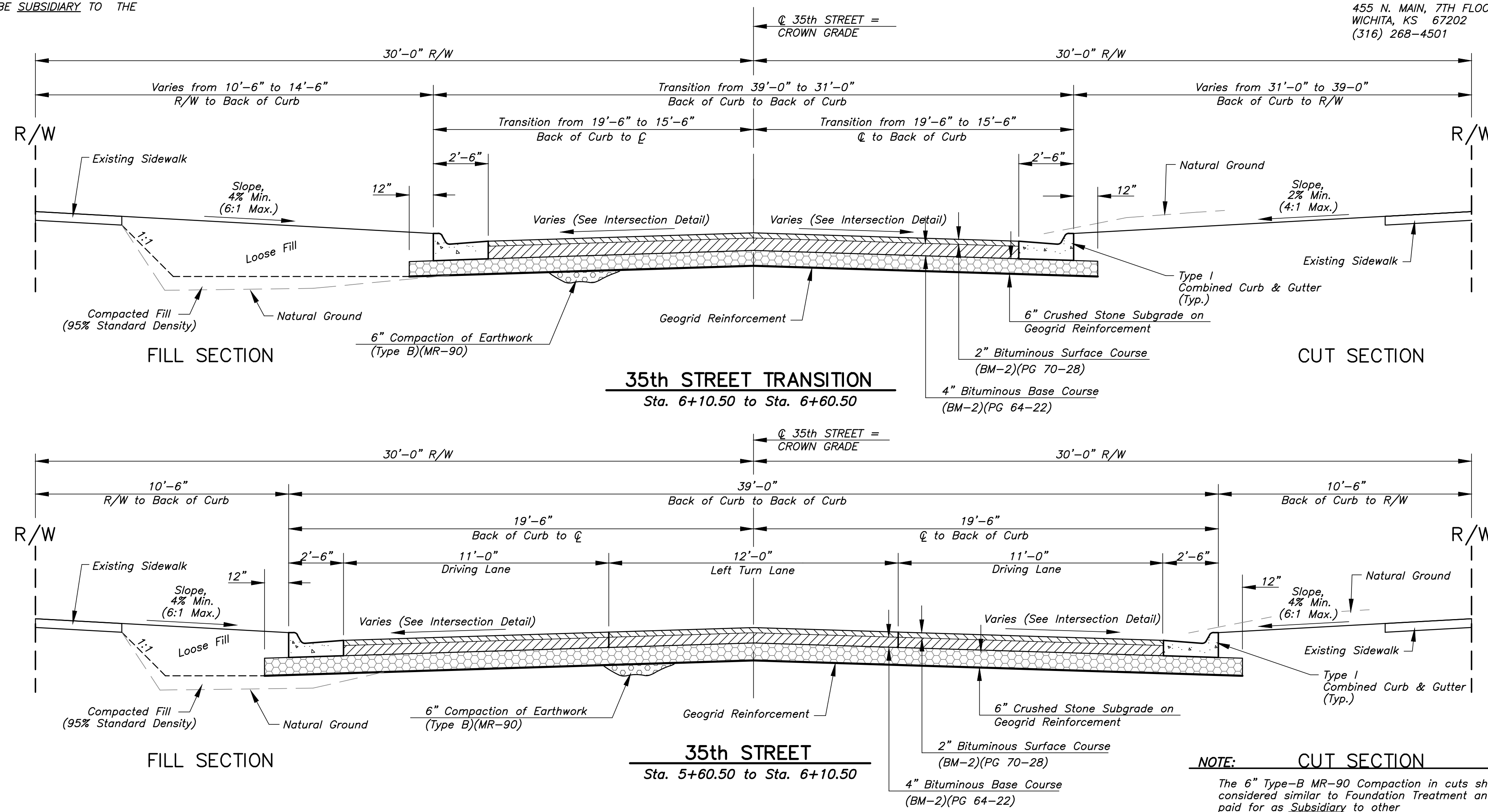
BRICK PAVERS SHALL BE VIBRATED TO THEIR FINAL LEVEL IN THE SAND LAYING COURSE BY TWO OR THREE PASSES OF A VIBRATING COMPACTOR CAPABLE OF 3,000 TO 5,000 POUNDS COMPACTION FORCE WITH THE SURFACE CLEAN AND JOINTS OPEN.

AFTER VIBRATION, CLEAN CONCRETE SAND SHALL BE SPREAD OVER THE PAVER SURFACE, ALLOWED TO DRY, AND VIBRATED INTO THE JOINTS WITH ADDITIONAL PASSES OF THE PLATE VIBRATOR SO AS TO COMPLETELY FILL THE JOINTS. A LIGHT COATING OF SAND SHALL BE SWEEPED OVER THE COMPLETED SURFACE AND LEFT TO WEATHER IN.

CONCRETE PAVING BRICKS LOCATED IN MEDIANS SHALL BE PAID FOR AS "BRICK PAVERS (CONCRETE), MEDIAN". ALL MATERIALS, LABOR, TOOLS, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK SHALL BE SUBSIDIARY.

UTILITY CONTACTS:

- | | | |
|--|--|--|
| JOHN FAGEN
AT & T DISTRIBUTION
154 N. BROADWAY
WICHITA, KS 67202
316-268-2245 | MARC HENDERSON
COX COMMUNICATIONS
701 EAST DOUGLAS
WICHITA, KS 67202
316-262-4270 / 263-2061 | GREG LOLLEY
WICHITA WATER DEPARTMENT
455 N. MAIN, 7TH FLOOR
WICHITA, KS 67202
316-268-4555 |
| LADONNA LAWRENZ
WICHITA SANITARY SEWER
455 N. MAIN, 7TH FLOOR
WICHITA, KS 67202
(316) 268-4501 | JAMES COE
KANSAS GAS SERVICE
1021 EAST 26TH STREET NORTH
WICHITA, KS 67219
316-832-3126 | KEN MCLEMORE
WESTAR ENERGY
P.O. BOX 208
WICHITA, KS 67201
316-261-6824 |



- BM #14
"X" cut on northeast corner of concrete storm sewer inlet south of I-235 off-ramp. 42.34' Rt. @ Sta. 52+02.55 Elev. 91.63
- BM #11
City of Wichita Standard disk at northwest corner of Seneca St. and 35th Street South 53.01' west of Q Seneca and 24.5' north of Q 35th Street. 53.01' Lt. @ Sta. 53+33.81 Elev. 92.53
- BM #3:
"□" on top of S. curb on 33rd St. & 12' E. of Q sidewalk on E. side of Seneca Street. North 9,288.22 East 10,173.14 59.80' Rt. ? Sta. 69+56.33 Elev. 94.21
- BM #4:
"□" on top of parking lot curb, 30' N. of Q 32nd St. & 35' W. of W. curb on Seneca. North 10,017.4415 East 10,050.0339 60.30 Lt. ? Sta. 76+86.05 Elev. 96.51
- BM #6
"□" cut on top of Walgreens parking lot curb, 30' S. of Q N. Walgreen entrance & 6' E. of Q sidewalk on E. side of Seneca. North 10,853.97 East 10,161.07 53.62' Rt. ? Sta. 85+22.25 Elev. 96.80
- BM #19
City of Wichita Standard disk at northeast corner of Seneca St. and 31st Street South, Southwest corner of traffic signal base. North 10,686.21, East 10,146.82 39.10' Rt. @ Sta. 83+54.51 Elev. 95.82

NOTE: CUT SECTION
The 6" Type-B MR-90 Compaction in cuts shall be considered similar to Foundation Treatment and paid for as Subsidiary to other items of work.

SENECA STREET
 I-235 TO 31ST STREET
 CITY OF WICHITA, KANSAS
 TYPICAL SECTIONS/GENERAL NOTES

POE & ASSOCIATES, INC.
 CONSULTING ENGINEERS
 5940 E. Central, Suite 200 | Wichita, KS
 67208-4242
 Phone: 316.685-4114 | FAX: 316.685-4444

Engineer: P. FERGUSON
 Designer: J. UNRUH
 KDOT Job No.: 87 N-0243-01
 Job No.: 87 N-0243-01
 Date: JANUARY 2010

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