

**GENERAL NOTES**

FILL, FLUSH AND VIBRATE APPROVED SAND ALONG RCB CONSTRUCTION UNDER NEW PAVEMENT. PLACE SAND ALONG SIDES OF RCB AND UP TO 6" ABOVE RCB. 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.

UTILITY CONTACTS:

JIM TOBEN  
SBC  
154 N. BROADWAY, ROOM 210  
WICHITA, KS 67202

MARC HENDERSON  
COX COMMUNICATIONS  
801 EAST DOUGLAS  
WICHITA, KS 67202  
316-262-4270 / 263-2061

CALVIN BRIGGS  
AQUILLA NETWORKS  
1611 SOUTH HOOVER  
WICHITA, KS 67209  
316-941-1608

JAMES COE  
KANSAS GAS SERVICE  
1021 EAST 26TH STREET NORTH  
WICHITA, KS 67219  
316-832-3126

MILES CAPPS  
WESTAR ENERGY  
P.O. BOX 208  
WICHITA, KS 67201  
316-261-6824

DAVID SPEARS  
SEDGWICK COUNTY PUBLIC WORKS  
1144 SOUTH SENECA  
WICHITA, KS 67213

JIM ZANG  
SEM CRUDE  
400 N. WOODLAWN, SUITE 1  
WICHITA, KS 67208

BILL PERKINS  
WICHITA WATER DEPARTMENT  
455 NORTH MAIN, 8TH FLOOR  
WICHITA, KS 67202  
316-268-4908

FABRIC BASE REINFORCEMENT SHALL BE 8 x 1100 GEOGRID AS MANUFACTURED BY TENSAR CORPORATION OR APPROVED EQUAL. FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS 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 ASPHALT. 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.

BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.

TRANSVERSE CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.

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.

**CONCRETE PAVING BRICK NOTES**

NONWOVEN GEOTEXTILE 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 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 SCREED TO A LEVEL OF APPROXIMATELY 1" THICKNESS. ONCE SCREED AND LEVELED TO THE DESIRED ELEVATION, THE SAND LAYING COURSE SHALL NOT BE DISTURBED IN ANY WAY.

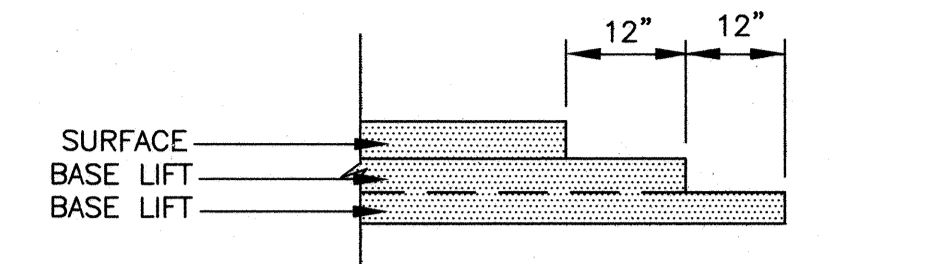
PAVERS SHALL BE PLACED WITH THE CHAMFERED SIDE UP, AND JOINT SPACES KEPT UNIFORM APPROXIMATELY 1/8" THICK. THE GAPS AT THE EDGE OF THE PAVED SURFACE SHALL BE FILLED WITH PAVERS CUT TO FIT. CUTTING SHALL BE ACCOMPLISHED TO LEAVE A CLEAN EDGE TOWARD THE TRAFFIC SURFACE USING A MASONRY SAW. WHENEVER POSSIBLE, 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.

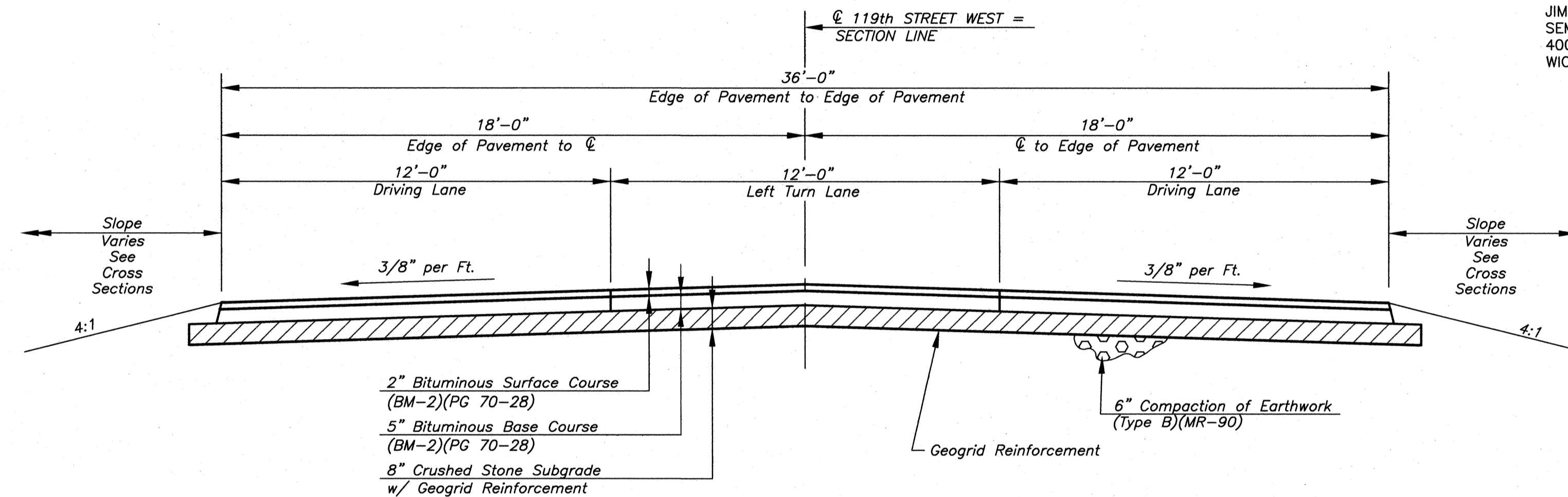
CONCRETE UNDER THE PAVERS SHALL CONFORM TO CITY OF WICHITA STANDARD SPECIFICATIONS FOR PAVING MIX.

CONCRETE PAVING BRICKS SHALL BE PAID FOR AS "PAVING BRICK (2 3/8)". ALL MATERIALS, LABOR, TOOLS, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK SHALL BE SUBSIDIARY.

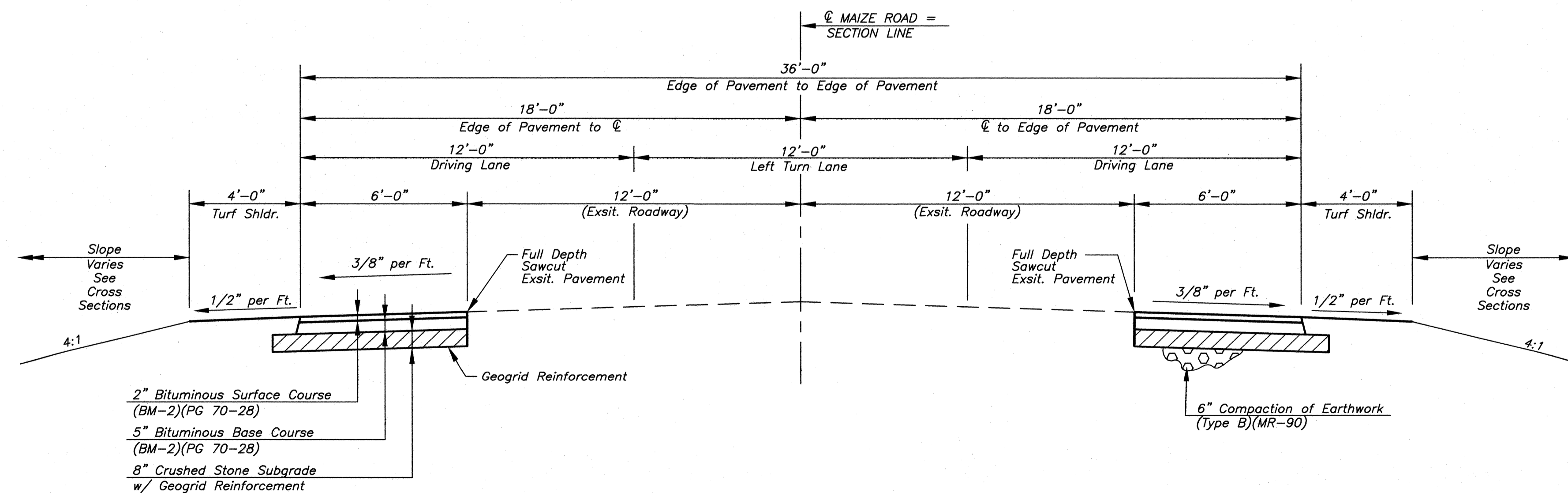


**TRANSVERSE CONSTRUCTION JOINTS**

TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINTS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 5" ASPHALTIC CONCRETE PAVEMENT (3" BITUMINOUS BASE)




**119th STREET WEST**  
Sta. 45+46.06 to Sta. 54+55.22



**MAIZE ROAD**  
Sta. 45+72.32 Lt. to Sta. 49+16.07 Lt.  
Sta. 51+00.00 Lt. to Sta. 54+27.97 Lt.  
Sta. 46+47.24 Rt. to Sta. 49+16.07 Rt.  
Sta. 51+00.00 Rt. to Sta. 54+27.97 Rt.

**NOTE:**

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.

 <p>POF &amp; ASSOCIATES, INC. CONSULTING ENGINEERS 3940 E. Central, Suite 200 • Wichita, KS 67208-0402 Phone 316/955-4114 • FAX 316/955-4444</p>	
ENGINEER :	P. Ferguson
ENG. TECH. :	J. Unruh
CAD TECH. :	J. Unruh
DATE :	JULY 2005
SHEET :	3 of 162
<p><b>119th STREET &amp; MAIZE ROAD</b> TYPICAL SECTIONS <b>CITY OF WICHITA, KANSAS</b></p> <p>PROJECT NO. 87 N-0353-01</p>	