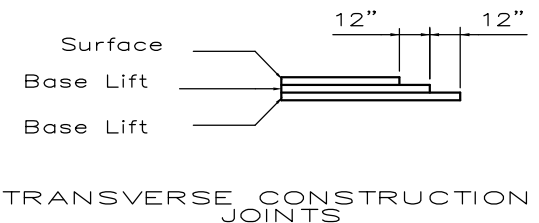
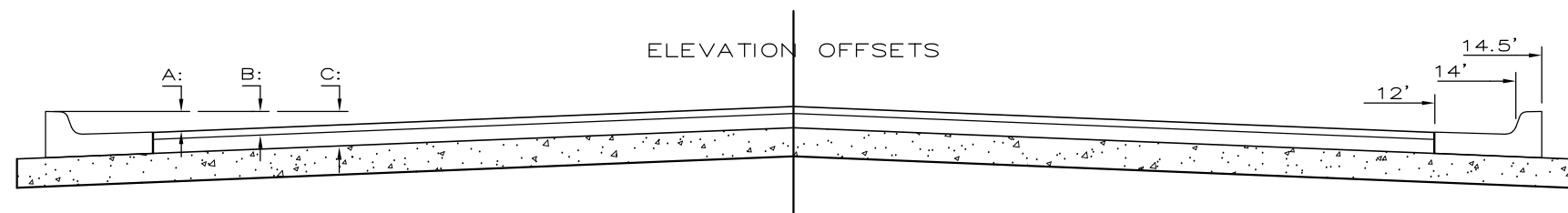
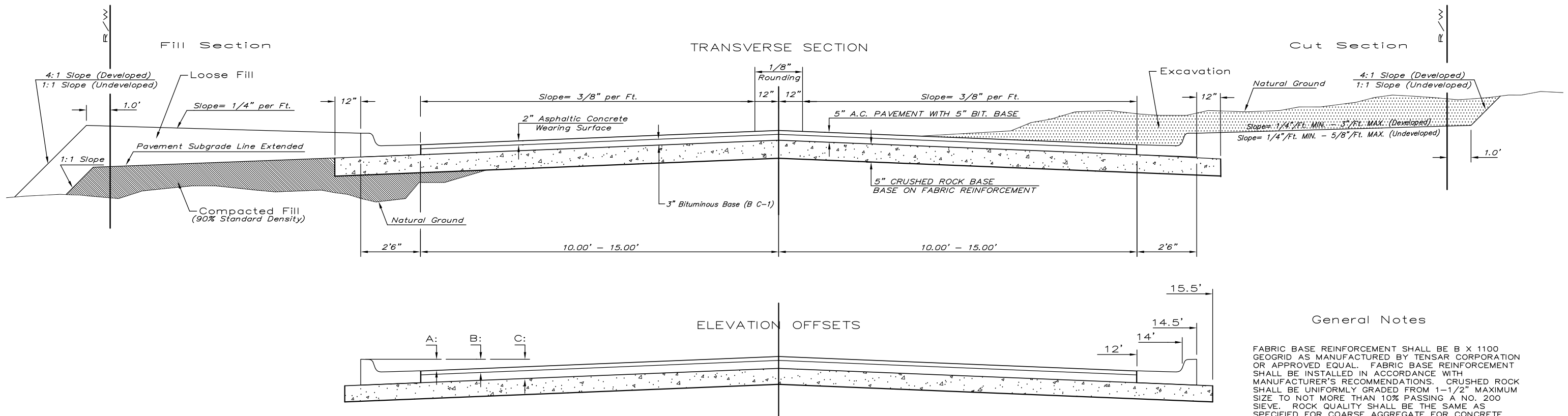


# TYPICAL 5" PAVEMENT W/ REINFORCED CRUSHED ROCK BASE



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 (3" BITUMINOUS BASE).

### General Notes

- FABRIC BASE REINFORCEMENT SHALL BE B X 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 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.
- 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.
- THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 5" ASPHALTIC CONCRETE (3" BITUMINOUS BASE.)

Type II - Combined Curb & Gutter (6 5/8")

	Distance from Back of Curb toward Center Line												
	12" beyond	Back of Curb	2.5	4.5	6.5	8.5	10.5	12.5	14.5	14.5	15.5	15.5	17.5
A: Top of Curbs to Top of Surface Lift	-	-	0.50	0.44	0.38	0.31	0.25	0.19	0.13	0.14	0.09	0.10	0.04
C: Top of Curbs to Top of Lower Base Lift	-	-	0.67	0.60	0.54	0.48	0.42	0.35	0.29	0.29	0.26	0.26	0.20
D: Top of Curbs to Top of Rock Base	1.03	0.99	0.92	0.85	0.79	0.73	0.67	0.60	0.54	0.54	0.51	0.51	0.45


CL of 29' pavement      CL of 31' CL of 35' pavement

Type I - Combined Curb & Gutter (6")

	Distance from Back of Curb toward Center Line												
	12" beyond	Back of Curb	2.5	4.5	6.5	8.5	10.5	12.5	14.5	14.5	15.5	15.5	17.5
A: Top of Curbs to Top of Surface Lift	-	-	0.35	0.29	0.23	0.17	0.10	0.04	-0.02	-0.01	-0.05	-0.04	-0.10
C: Top of Curbs to Top of Lower Base Lift	-	-	0.52	0.46	0.40	0.33	0.27	0.21	0.15	0.15	0.11	0.11	0.05
D: Top of Curbs to Top of Subgrade	1.07	1.01	0.77	0.71	0.65	0.58	0.52	0.46	0.40	0.40	0.36	0.36	0.30

CL of 29' pavement      CL of 31' CL of 35' pavement

REV: 12-10-01 MCG



THE CITY OF WICHITA

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**5" ASPHALTIC CONCRETE  
ON REINFORCED  
CRUSHED ROCK BASE**

JAMES L. ARMOUR, P.E. - CITY ENGINEER

PROJECT NUMBER 472-84521	INDEX CODE 766128
DATE July 2007	<b>Sheet 5 of 55</b>

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