

Street Improvements for  
**DONNA'S 3RD ADDITION**

**COMPTON** - From the N.L. of Robinson to the N.E. corner  
of Lot 10, Block A, Donna's 3rd Addition

Project No.

**472-76-245-81705-000-000-001**

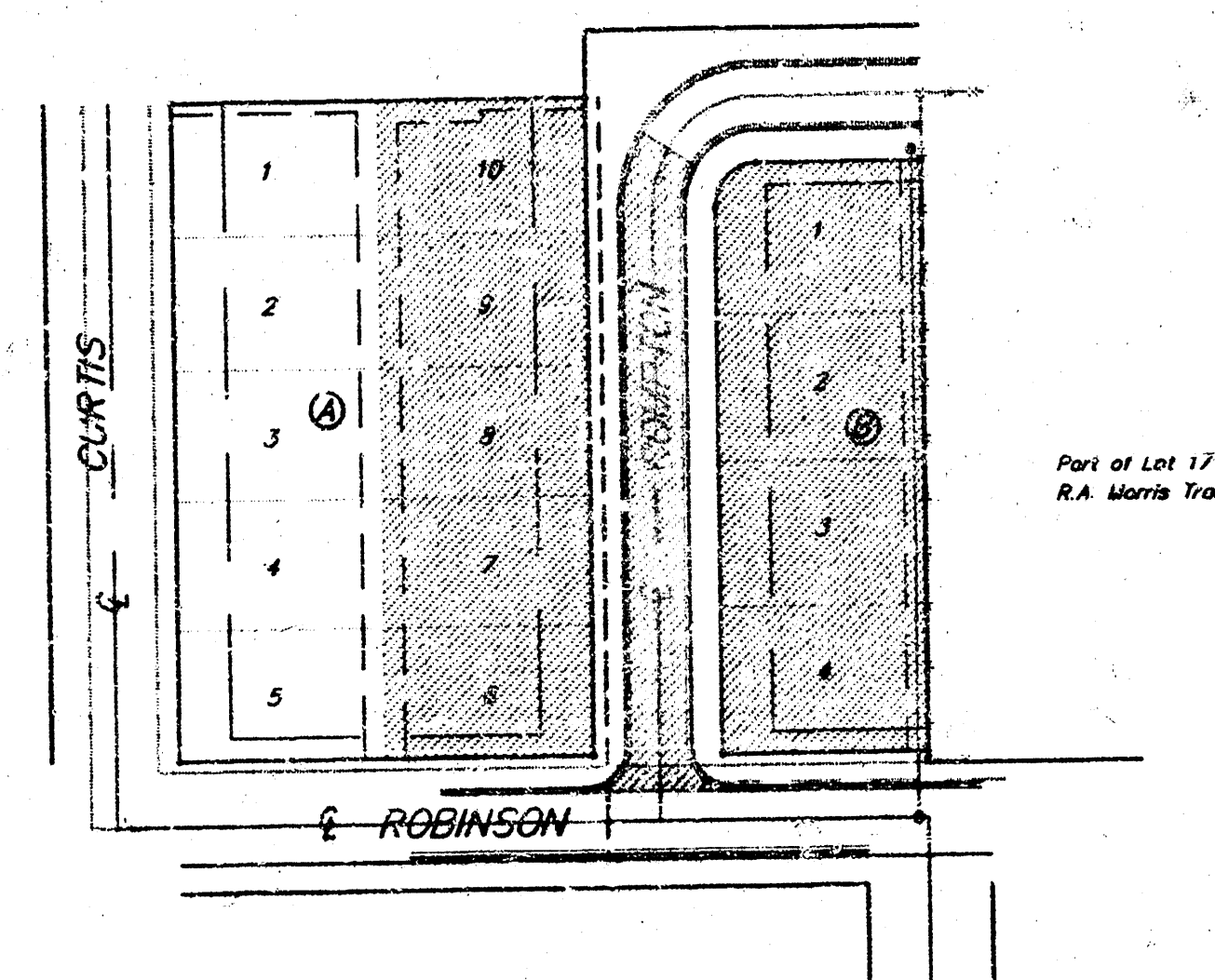
**CITY OF WICHITA, KANSAS**

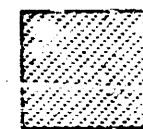
**Michael E. Lindebak City Engineer**

Index Code: **761312**

Index

- Utility service lines, poles, valve boxes, meters, and etcetera are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
- A saw cut of at least one-half the depth of 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 course or pavement for which partial removal of that surface or pavement is required. Sowed 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. Such saw cuts will not be paid for directly and this cost shall be considered as subsidiary to the removal of the surface or pavement.
- Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
- 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.
- The Contractor shall adjust Water Valve Boxes and Fire Hydrants as directed by the Engineer at the price bid for said adjustments. The Water Department shall field locate water valves one time during construction when requested by the Contractor. It shall be the Contractor's responsibility to preserve such field locations during the construction process. Water valves, water valve boxes or fire hydrants damaged during construction shall be repaired by the contractor at his own expense.
- At least one lane of traffic shall be carried through Robinson at all times during construction of this project.
- All earthwork quantities indicated are based on alternate 1. Any adjustments in earthwork quantities for alternate 2 pavement construction shall be incidental to the project.

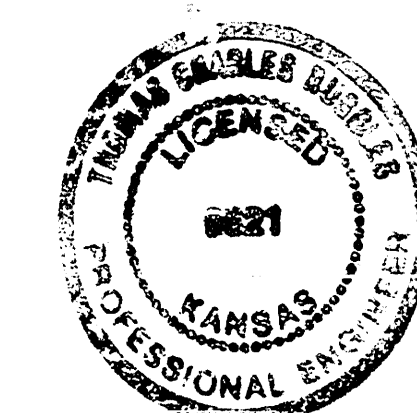


Benefit District 

General Notes

- Title Sheet
- Typical Pavement Details
- Valley Gutter Detail
- Compton Street Plan
- Cross-Sections
- Plot of Donna's 3rd Addition

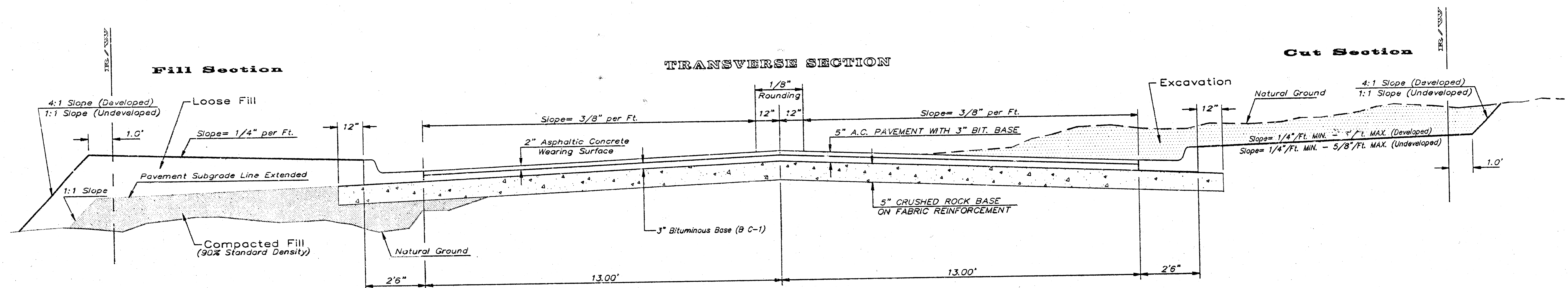
SCALE:  
1" = 100'  
• = IRON



**BAUGHMAN COMPANY P. A.**  
ENGINEERING & SURVEYING  
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

5-13-92

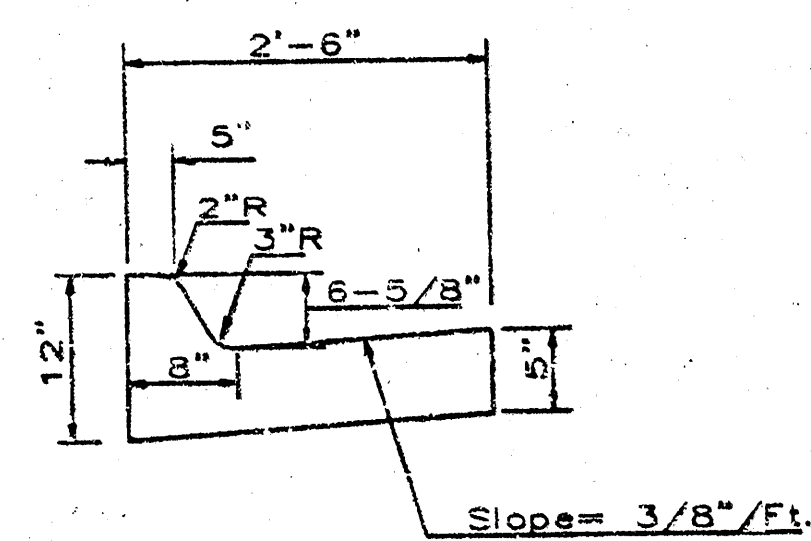
# TYPICAL 31' B-B PAVEMENT DETAILS



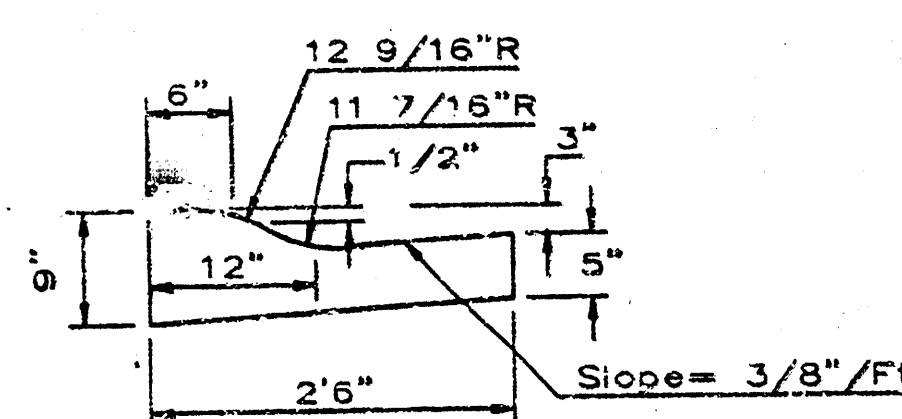
The crushed rock shall have the following gradation:

|        | % Retained |
|--------|------------|
| 2-1/2" | 0          |
| 3/4"   | 20 to 60   |
| #4     | 50 to 80   |
| #40    | 80 to 94   |
| #200   | 90 to 98   |

Rock quality shall conform to the requirements specified by the KDOT 1990 Edition Standard Specification Subsection 1102 for durability Class I.



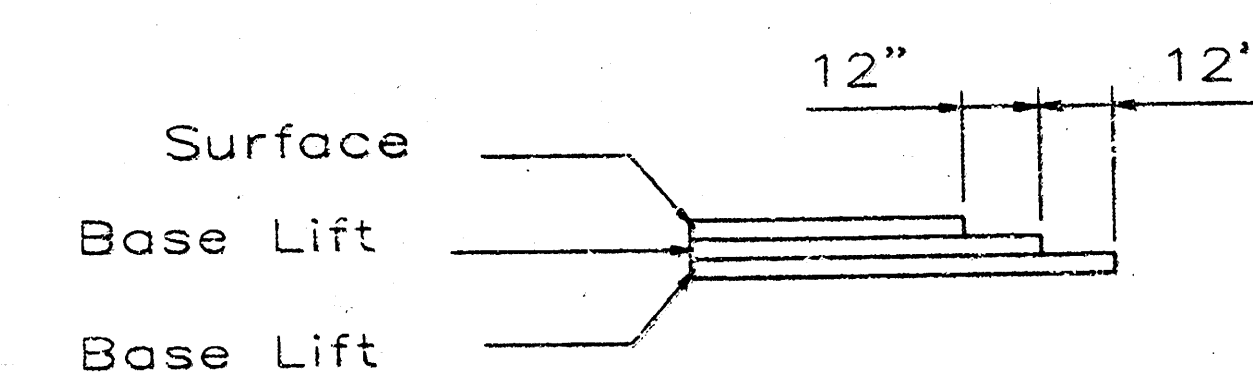
COMBINED CURB & GUTTER



COMBINED ROLL TYPE CURB & GUTTER

ELEVATION OFFSETS

|                                           | 0'   | 2'   | 4'   | 6'   | 7.5' | 10'  | 12'  | 13'  | 15'  | 15.5' | 16.5' |
|-------------------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|
| A: Top of Curbs to Top of Surface Lift    | 0.10 | 0.14 | 0.21 | 0.27 | 0.32 | 0.39 | 0.46 | 0.49 | —    | —     | —     |
| B: Top of Curbs to Top of Upper Base Lift | 0.27 | 0.31 | 0.37 | 0.44 | 0.48 | 0.56 | 0.62 | 0.65 | —    | —     | —     |
| C: Top of Curbs to Top of C.R. Subgrade   | 0.52 | 0.56 | 0.62 | 0.69 | 0.73 | 0.81 | 0.87 | 0.90 | 0.97 | 0.98  | 1.01  |



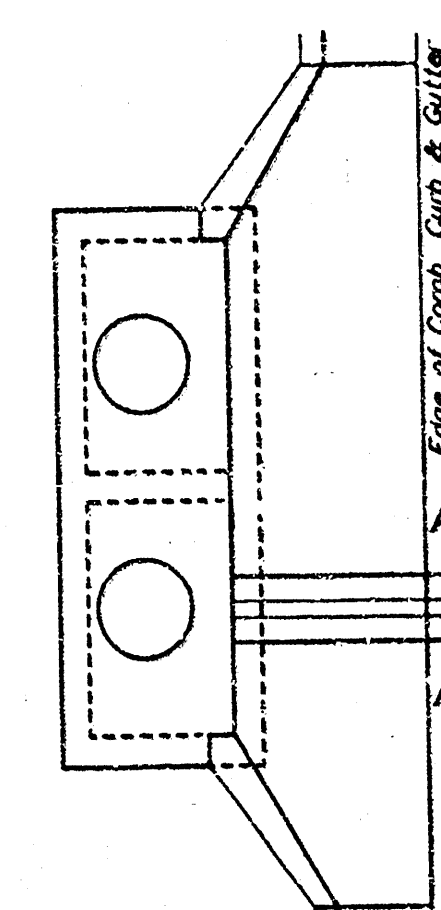
TRANSVERSE CONSTRUCTION JOINTS

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 (3" BITUMINOUS BASE).

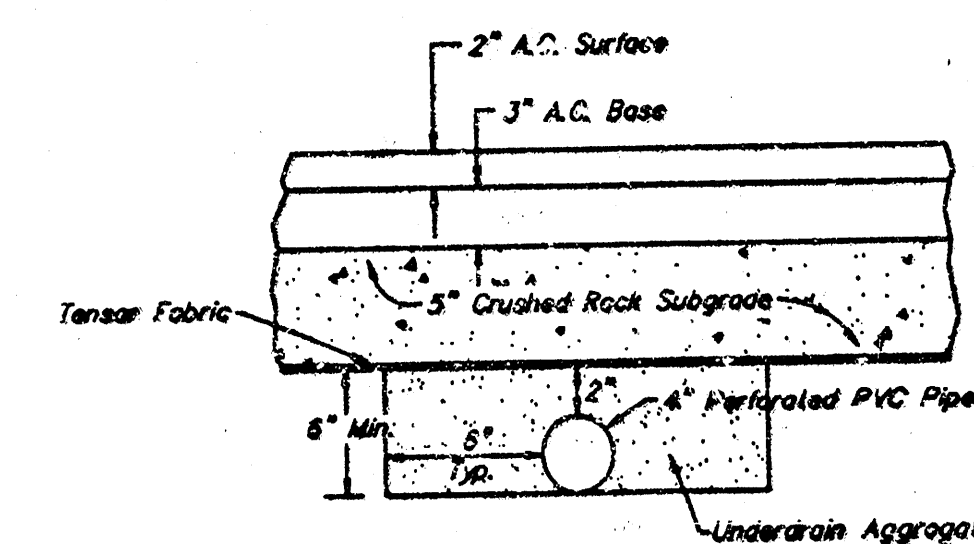
## CRUSHED ROCK GRADATION REQUIREMENTS

| Percent of Aggregate Retained |       |
|-------------------------------|-------|
| 1 1/2"                        | 0     |
| 3/4"                          | 15-60 |
| #4                            | 40-80 |
| #40                           | 74-92 |
| #200                          | 4-12  |

Rock Quality Shall Be The Same As Specified For Coarse Aggregate For Asphalt Concrete Mixes.

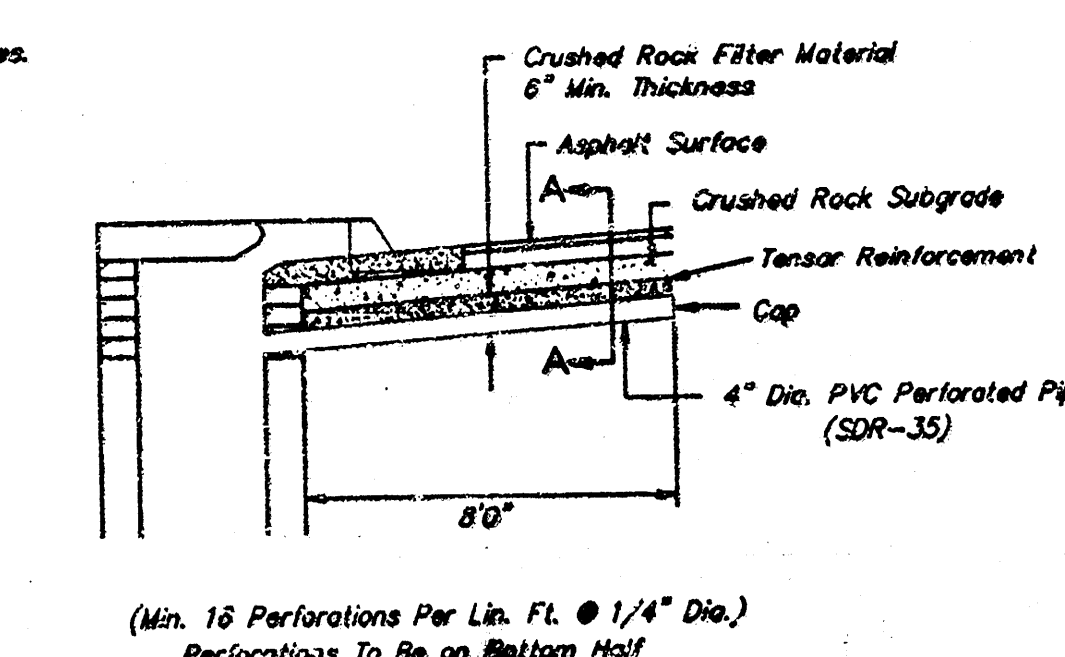


PAVEMENT UNDERDRAIN DETAIL



SECTION A-A

NOTE: Place 4" PVC Perforated Pipe at all drainage sump locations. Cost of Underdrain System to be incidental to the Reinforced Crushed Rock Subgrade.



(Min. 16 Perforations Per Lin. Ft. @ 1/4" Dia.) Perforations To Be on Bottom Half

## 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.

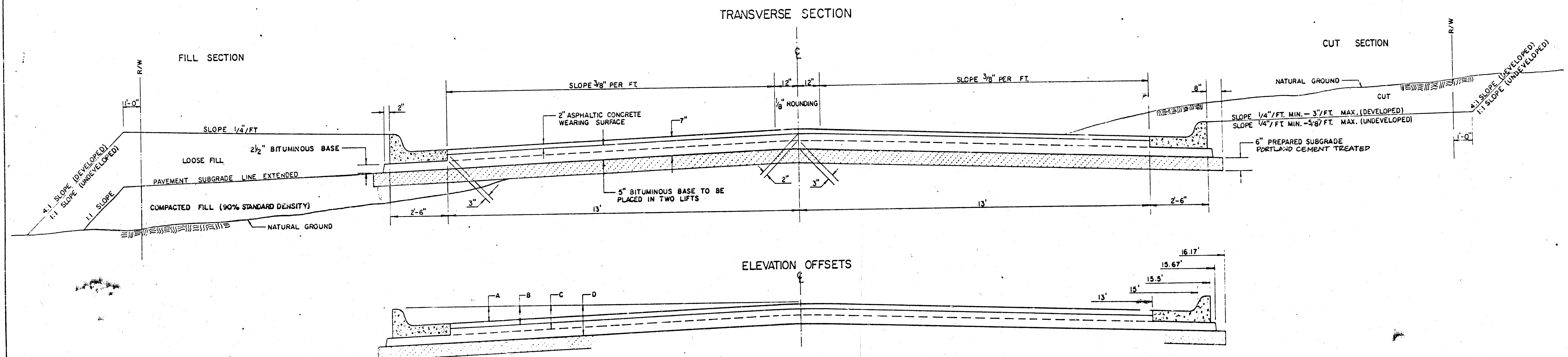
CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.

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

5 INCH Residential Asphaltic Concrete Pavement with Crushed Rock Base on Fabric Reinforcement City of Wichita, Kansas

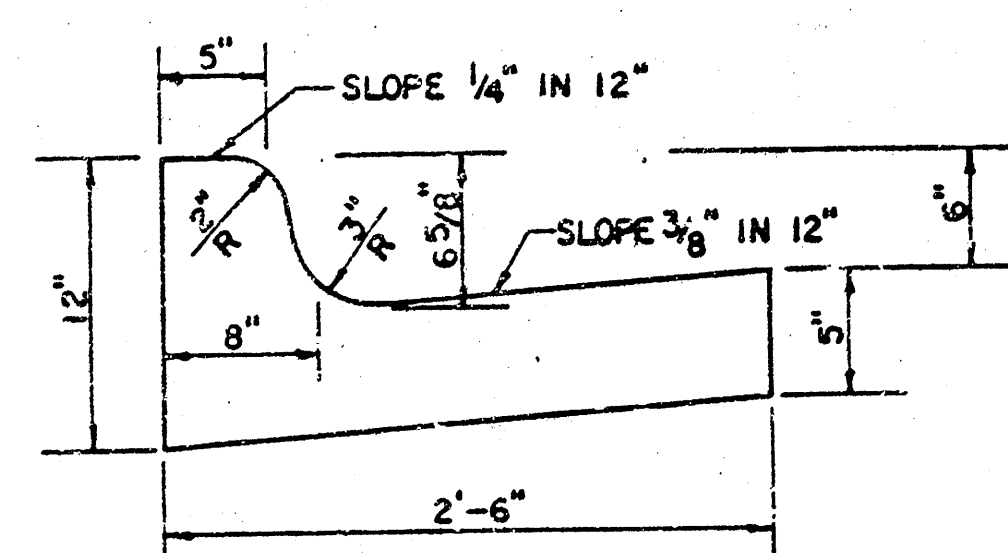
|                                                  |       |
|--------------------------------------------------|-------|
| BAUGHMAN COMPANY P. A.                           | REV.  |
| ENGINEERING & SURVEYING                          |       |
| 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211 |       |
| PROJECT NUMBER                                   | SHEET |
| 472-76-245-81705-000-000-001                     | 2     |
| DESIGN                                           | SCALE |
| BRAWN                                            |       |
| APPROVED                                         |       |
| DATE                                             |       |

# TYPICAL 3' PAVEMENT DETAILS

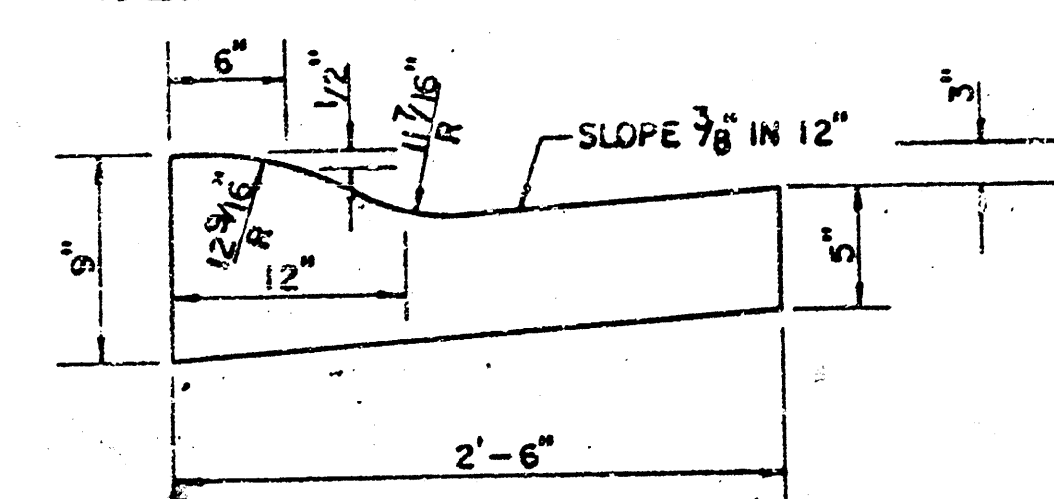


|                                           | DISTANCE FROM CENTERLINE (LT. & RT.) |      |      |      |      |      |      |      |      |       |        |        |
|-------------------------------------------|--------------------------------------|------|------|------|------|------|------|------|------|-------|--------|--------|
|                                           | 0'                                   | 2'   | 4'   | 6'   | 7.5' | 10'  | 12'  | 13'  | 15'  | 15.5' | 15.67' | 16.17' |
| A: TOP OF CURBS TO TOP OF SURFACE LIFT    | 0.10                                 | 0.14 | 0.21 | 0.27 | 0.32 | 0.39 | 0.46 | 0.49 | —    | —     | —      | —      |
| B: TOP OF CURBS TO TOP OF UPPER BASE LIFT | 0.27                                 | 0.31 | 0.38 | 0.44 | 0.49 | 0.56 | 0.63 | 0.66 | —    | —     | —      | —      |
| C: TOP OF CURBS TO TOP OF LOWER BASE LIFT | 0.44                                 | 0.49 | 0.57 | 0.64 | 0.70 | 0.79 | 0.87 | 0.90 | 0.98 | 1.00  | 1.00   | —      |
| D: TOP OF CURBS TO TOP OF SUBGRADE        | 0.69                                 | 0.73 | 0.80 | 0.87 | 0.93 | 1.01 | 1.08 | 1.12 | 1.19 | 1.21  | 1.21   | 1.23   |

COMBINED CURB & GUTTER



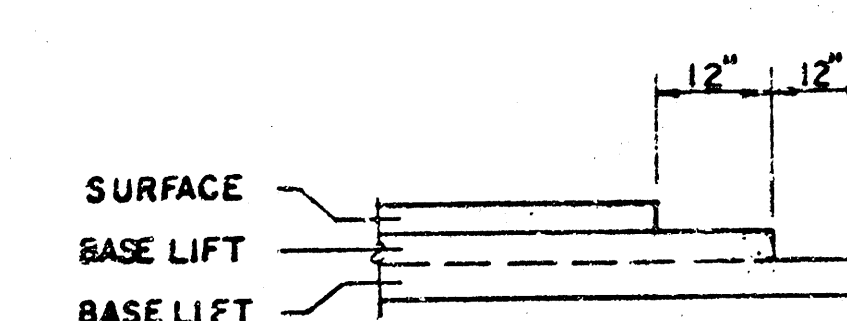
ROLL TYPE COMBINED CURB & GUTTER



## GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 2 1/2" BITUMINOUS BASE.
- 3) 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.
- 4) BITUMINOUS BASE AND ASPHALTIC CONCRETE WEARING SURFACE SHALL BE PLACED WITH A LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.
- 5) 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.
- 6) CONTRACTOR TO BID ONLY ONE SUBGRADE TREATMENT ALTERNATE WHEN ALTERNATES ARE PROVIDED IN THE PROPOSAL AND CONTRACT. THE ALTERNATE CHOSEN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

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 DETAILS. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

7 INCH RESIDENTIAL ASPHALTIC CONCRETE  
PAVEMENT WITH 5 INCH BITUMINOUS BASE  
CITY OF WICHITA, KANSAS  
PROJECT NUMBER  
472-81705

