

STREET IMPROVEMENTS TO SERVE

PAWNEE MESA THIRD ADDITION

Project Number

472-76-245-82053-000-000-001

Index Code

768052

CITY OF WICHITA, KANSAS

Michael E. Lindebak, City Engineer

General Notes

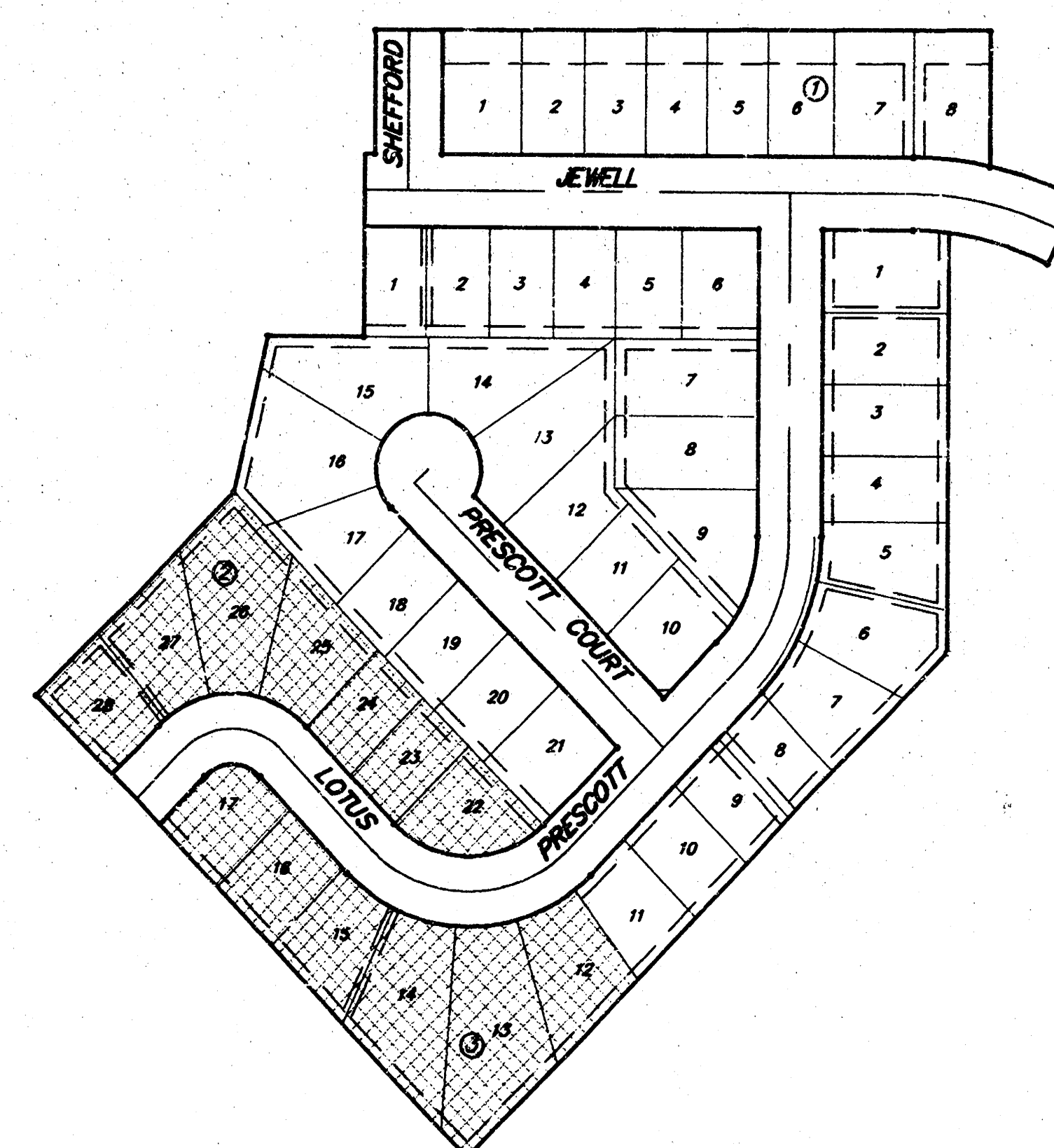
1. Contractor will be required to provide notice to utility companies a minimum of twenty-four (24) hours prior to any excavation, as follows:

Kansas One-Call 687-2470

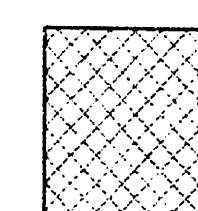
The Contractor must notify the following in case of an emergency:

Cablevision 262-4270
or 263-2061
K.P.L. Gas Service Company 263-7511
Kansas Gas & Electric Company 264-1141
Arkla Gas Company 942-8350
or 263-8161
Southwestern Bell Telephone Company 1-571-2611
City of Wichita Water Department 268-4908
City of Wichita Sewer Maintenance 268-4071

2. 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.
3. 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.
4. 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.
5. Limits of earthwork shall match existing ground elevations at the right-of-way line unless otherwise noted on the plans with a new finished grade elevation. When a new finished grade elevation is shown, the earthwork shall extend one foot beyond the right-of-way line and then sloped up or down using permissible slopes to match the existing ground surface.
6. 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 located water valves one time during construction when requested by 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.
7. 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 law.
8. No drives are to be constructed on this project.
9. All areas disturbed by construction shall be seeded at 300 lbs./acre with K31 Fescue immediately following construction in that area.
10. The bid item site restoration shall include all finished grading, final site grading, all erosion construction items and any other items as necessary for final completion and acceptance of project.



Benefit District:



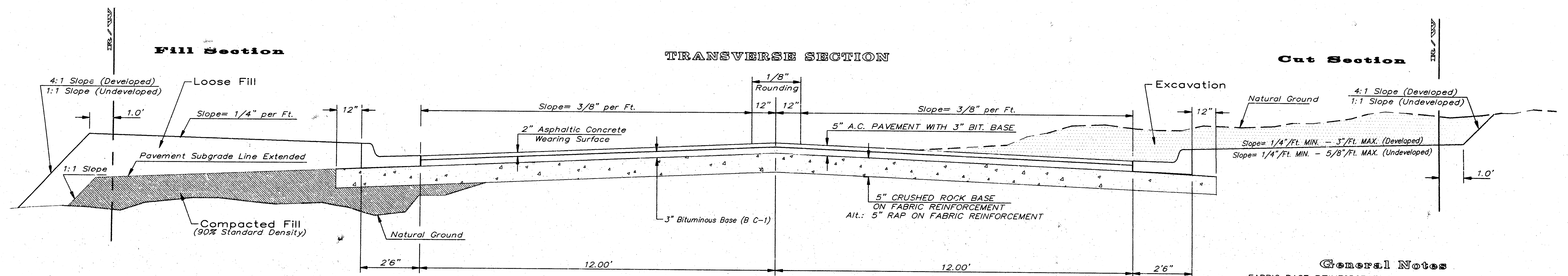
INDEX:

- 1 Title Sheet
- 2 24' Pavement Detail
- 3 Sign Detail
- 4 Lotus
- 5 Earthwork
- 6 Copy of Plat



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

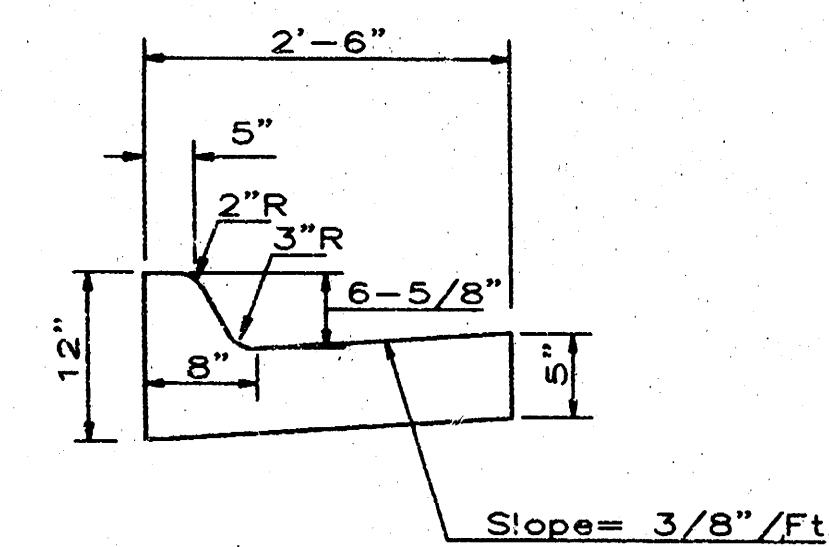
TYPICAL 29' B-B PAVEMENT DETAILS



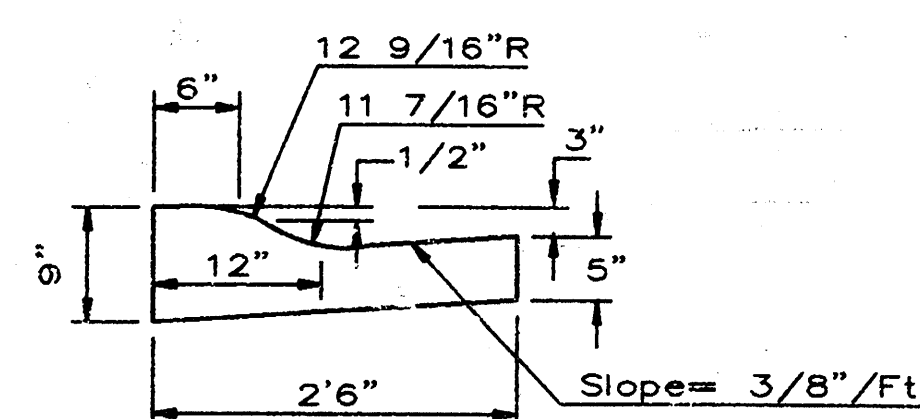
CRUSHED ROCK & RAP GRADATION REQUIREMENTS

PERCENT OF AGGREGATE RETAINED	
2-1/2"	0
3/4"	20 - 60
#4	50 - 80
#40	80 - 94
#200	90 - 98

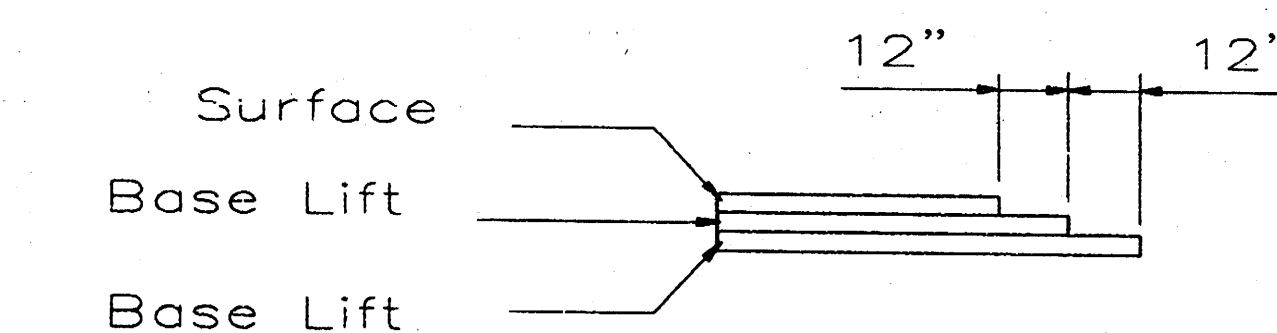
ROCK QUALITY SHALL CONFORM TO THE REQUIREMENTS SPECIFIED BY THE KDOT 1990 EDITION STANDARD SPECIFICATION SUBSECTION 1102 FOR DURABILITY CLASS I.



COMBINED CURB & GUTTER



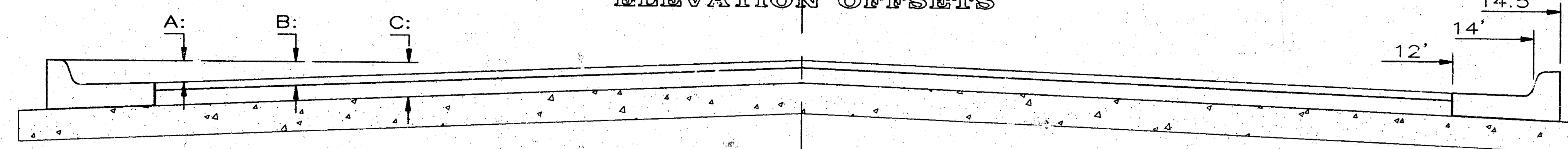
COMBINED ROLL TYPE CURB & GUTTER



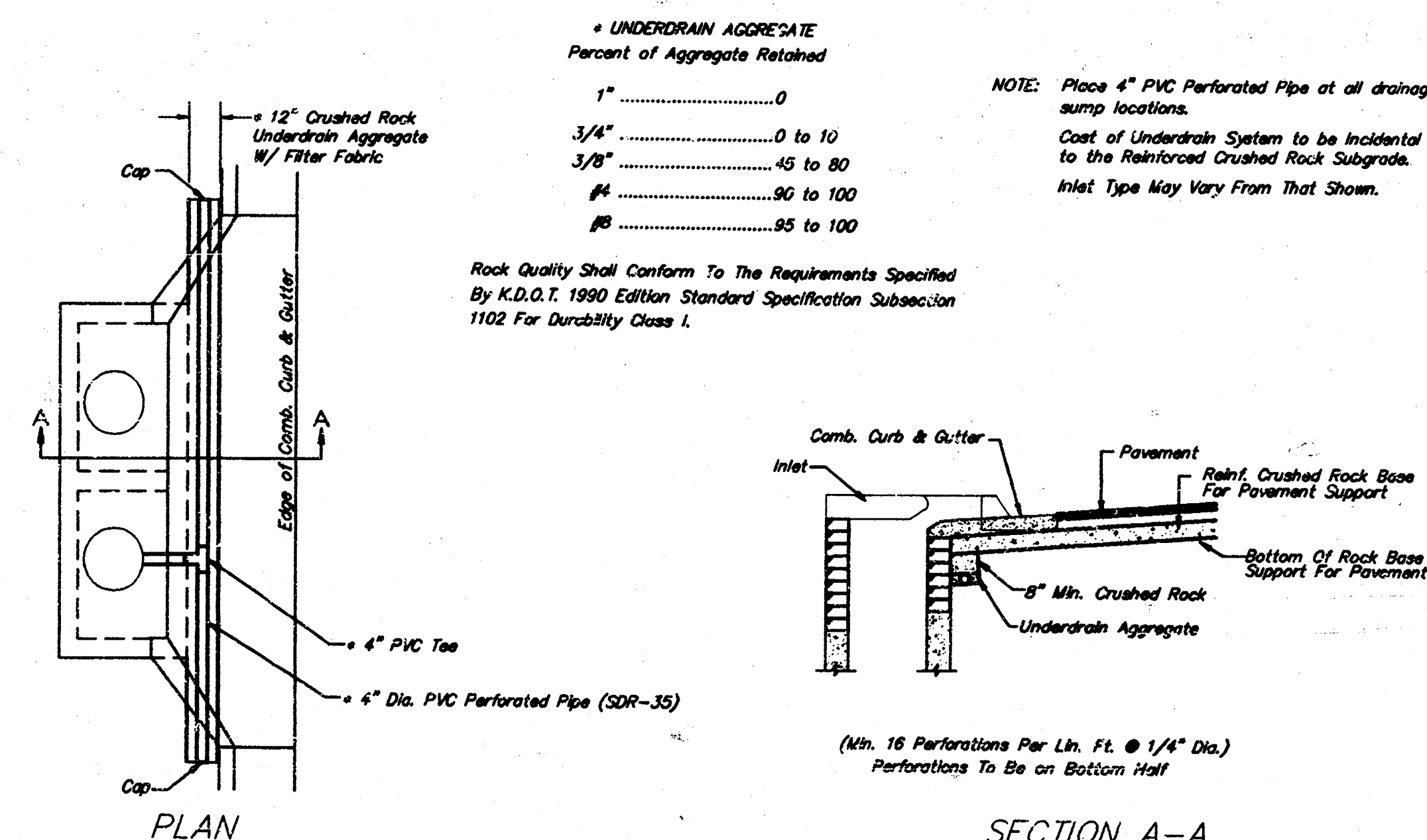
TRANSVERSE CONSTRUCTION JOINTS

Transverse construction joints shall be constructed in flexible base pavements at locations where pavement joints exist in 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\"/>

ELEVATION OFFSETS



	DISTANCE FROM CENTERLINE (L.T. & R.T.)										
	0'	2'	4'	6'	7'	8'	10'	12'	14'	14.5'	15.5'
A: Top of Curbs to Top of Surface Lift	0.13	0.18	0.24	0.30	0.33	0.36	0.43	0.49	-	-	-
B: Top of Curbs to Top of Upper Base Lift	0.30	0.35	0.41	0.47	0.50	0.53	0.60	0.66	-	-	-
C: Top of Curbs to Top of C.R. Subgrade	0.55	0.60	0.66	0.72	0.75	0.78	0.85	0.91	0.97	0.98	1.01

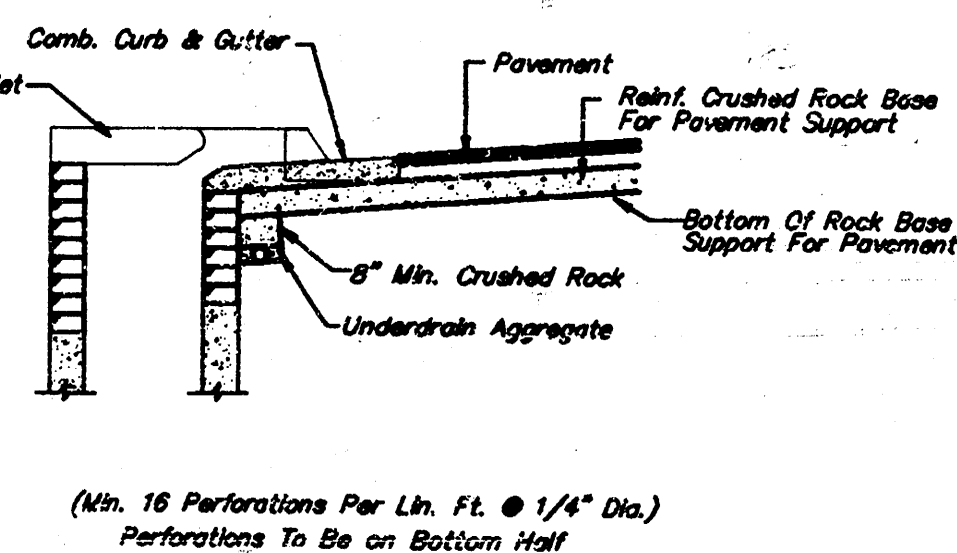


UNDERDRAIN AGGREGATE

Percent of Aggregate Retained	
1"	0
3/4"	0 to 10
3/8"	45 to 80
#4	90 to 100
#6	95 to 100

Rock Quality Shall Conform To The Requirements Specified By K.D.O.T. 1990 Edition Standard Specification Subsection 1102 For Durability Class I.

NOTE: Place 4\"/>



SECTION A-A

PAVEMENT UNDERDRAIN DETAIL
NOT TO SCALE

General Notes

FABRIC BASE REINFORCEMENT SHALL BE B X 1100 BY TENSAR CORPORATION OR APPROVED EQUAL. FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

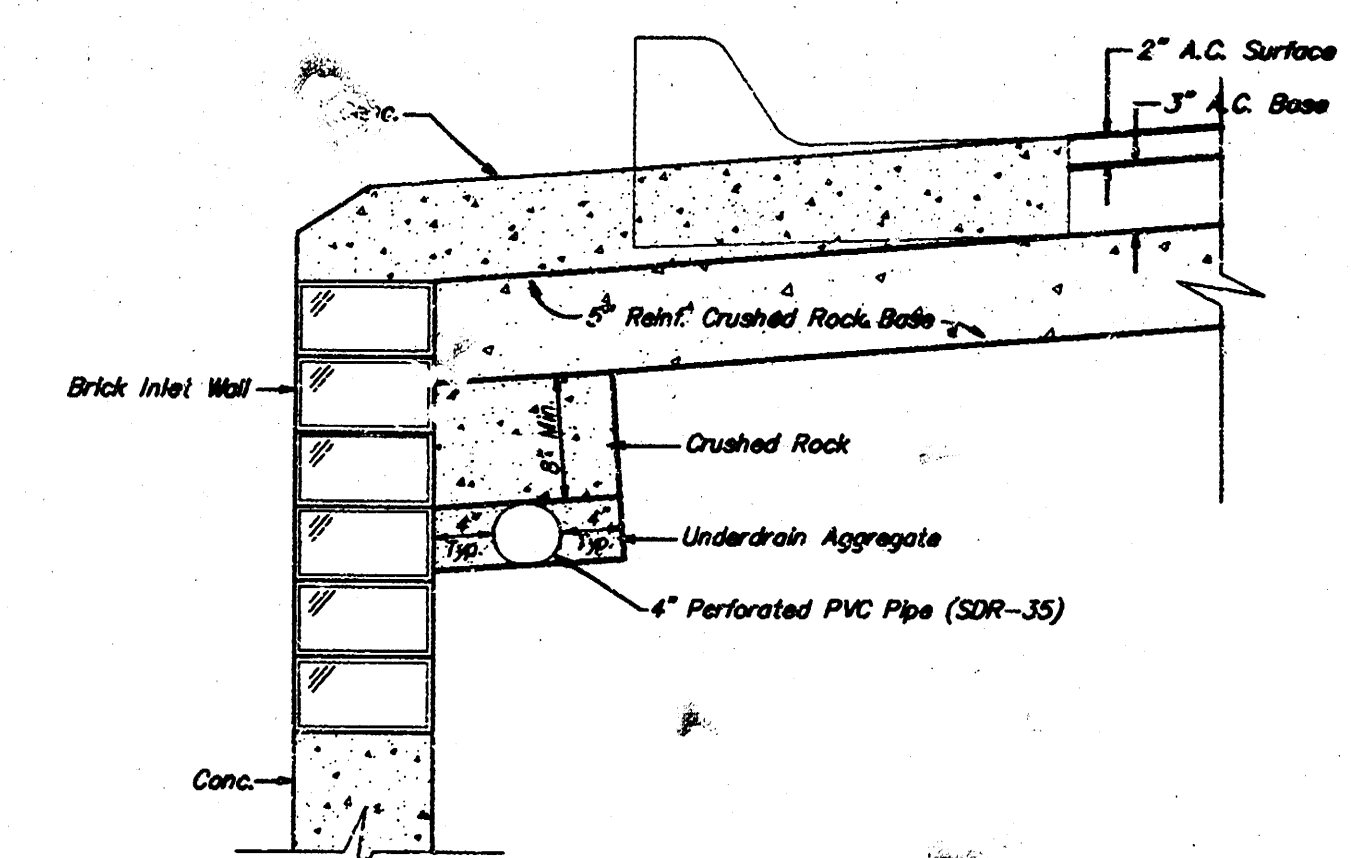
ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PRIOR TO PLACEMENT OF ASPHALT. TACK COAT WILL NOT BE APPLIED TO ROCK BASE.

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.

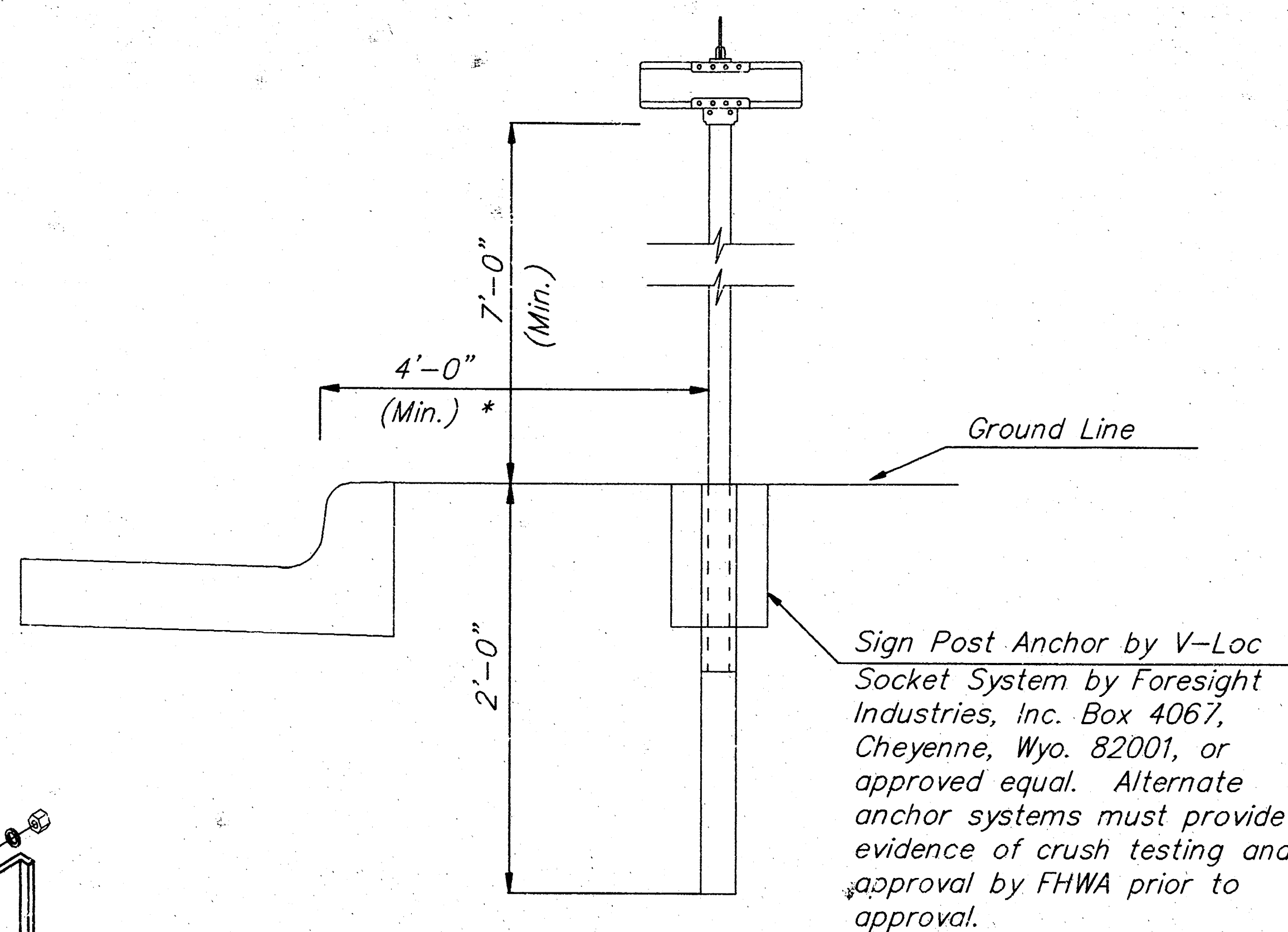
CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE T.C. LIFT.

THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 5\"/>

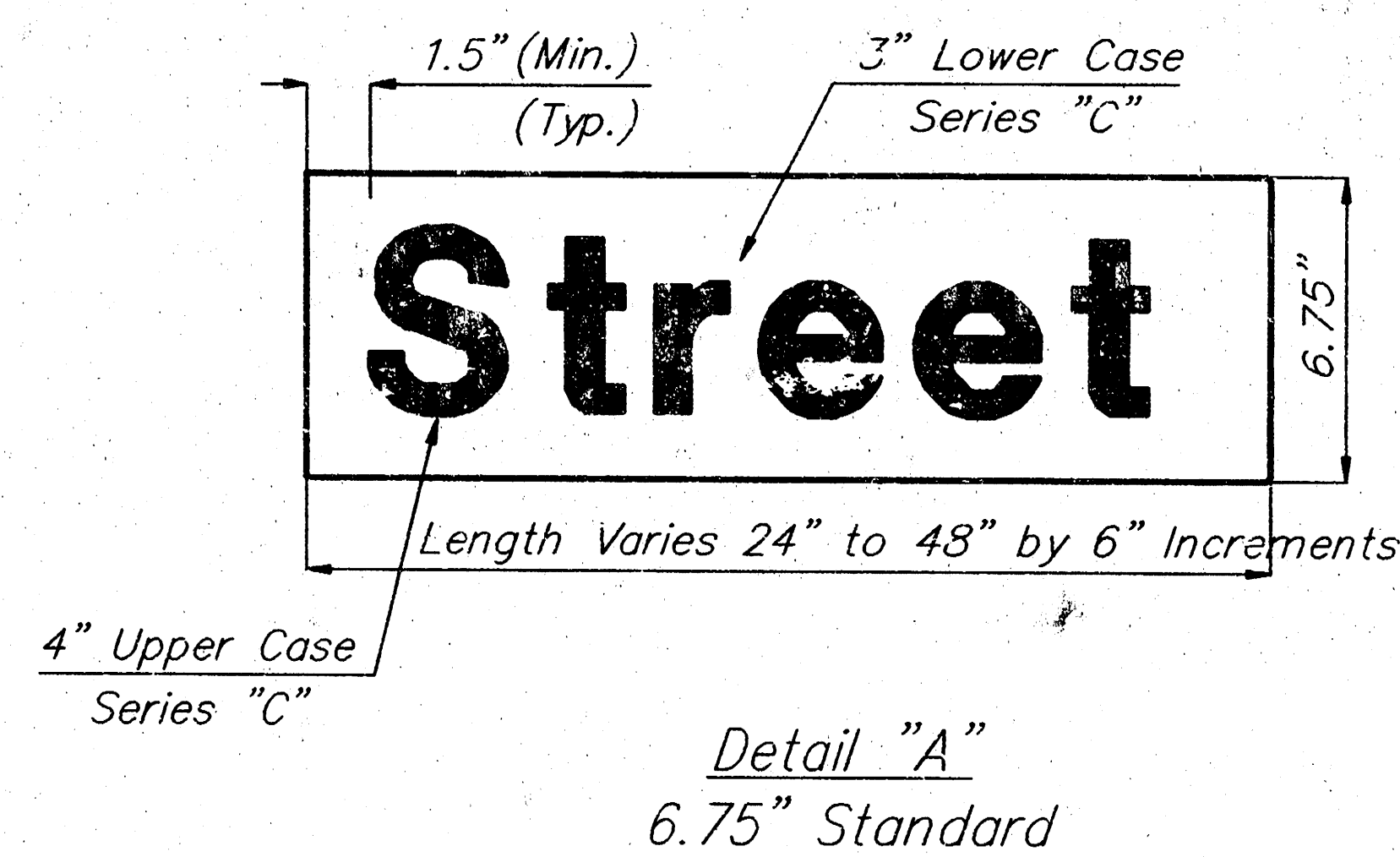


TRENCH DRAIN DETAIL FOR RES. STREETS
NOT TO SCALE

5 INCH Residential Asphaltic Concrete Pavement with Crushed Rock Base on Fabric Reinforcement City of Wichita, Kansas					
BAUGHMAN COMPANY P. A. ENGINEERING & SURVEYING 316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211				REV.	
PROJECT NUMBER 472-76-245-82053-000-000-001				SHEET 2 OF 6	
DESIGN	DRAWN	APPROVED	DATE	SCALE	



Typical Traffic Control Sign Mounting Installation
Curb and Gutter Section



The diagram illustrates a standard street name sign with the following specifications:

- Dimensions:**
 - Length: Varies from 24" to 48" by 6" increments.
 - Height: 1.75" (top section) and 2.25" (bottom section).
 - Top Section: 5" Upper Case Series "C" (height) and 3" Series "C" Numbers (height).
 - Bottom Section: 3.75" Series "C" Lower Case Letters (height) and 3" Series "C" Direction (height).
 - Letter Spacing: 1.25" (Min.) between letters.
 - Number Spacing: 2.5" (Min.) between numbers.
 - Right Margin: 1.5" (Min.) from the right edge.
- Sign Content:**
 - Top Section: "Street" (Upper Case Series "C") and "0000 N" (3" Series "C" Numbers).
 - Bottom Section: "3.75" Series "C" Lower Case Letters" and "3" Series "C" Direction".
- Optional Features:**
 - STOP:** R1-1 (30"x30")
 - NO OUTLET:** W14-2 (30"x30")
 - YIELD:** R1-2 (36"x36"x36")
 - END OF ROADWAY:** OM-1 (18"x18")
 - Directional Arrow:** R4-7 (24"x30")

Technical drawing of a street name sign blade showing side and end views with dimensions:

- Side View (Left):**
 - Top width: 0.25"
 - Top mounting hole diameter: 0.091" to 0.094"
 - Blade height: 0.75"
 - Blade thickness: 0.50"
 - Bottom mounting hole diameter: 0.250"
- End View (Right):**
 - Blade width: 6.75" or 9.00"

STREET NAME SIGN
BLADE DETAILS

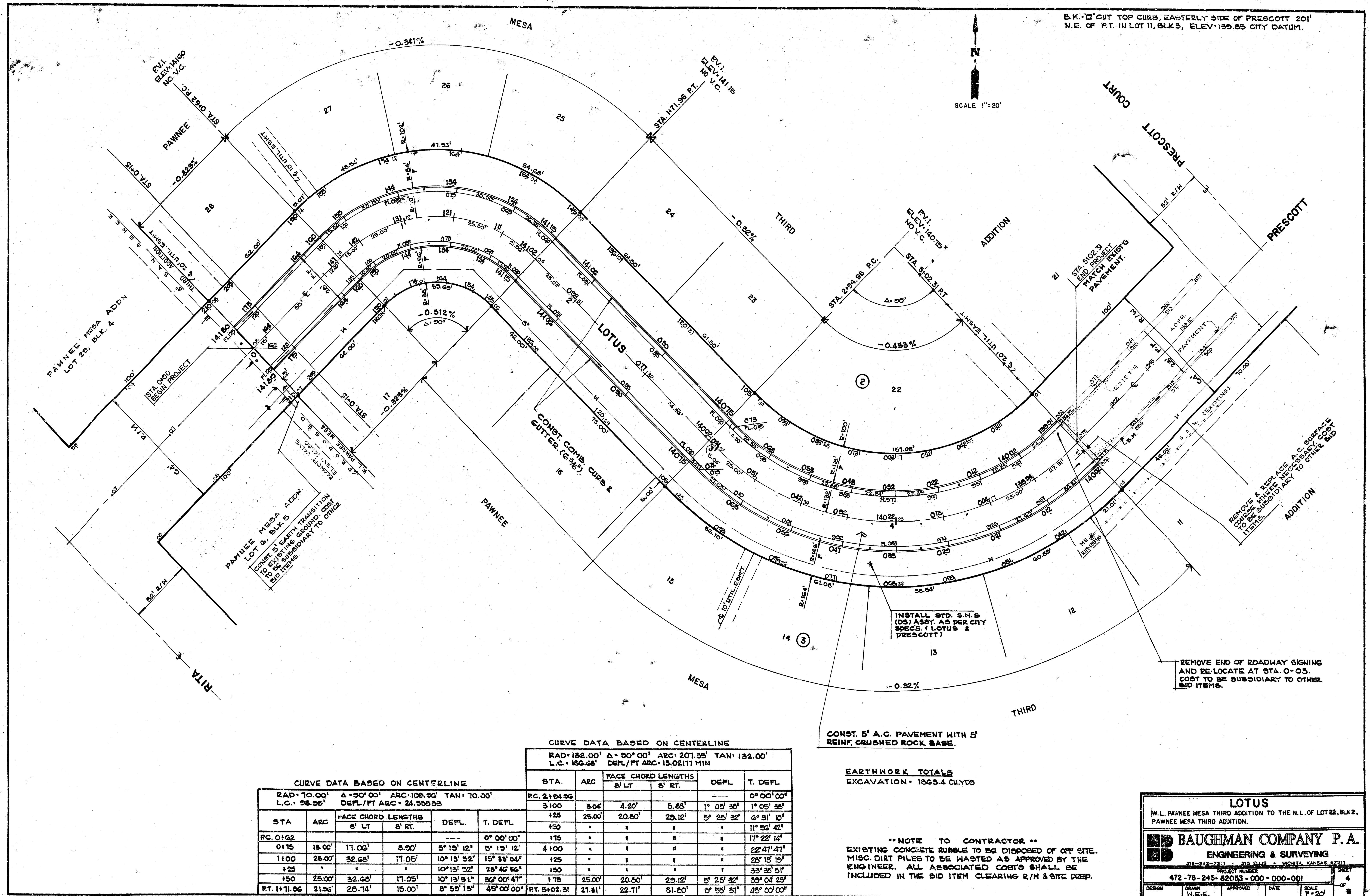
<i>SIGN ASSEMBLY TABLE</i>			
<i>STATION</i>	<i>OFFSET</i>	<i>SIGN</i>	<i>QUANTITY</i>
<i>3+89</i>	<i>20.0' RL</i>	<i>STREET SIGN</i>	<i>1</i>
<i>TOTAL</i>			<i>1</i>

STREET NAME	NO. BLADES REQ'D	
	6 3/4" STD	9" METRO
<i>Lotus</i>	1	
<i>Prescott</i>	1	

12. **New traffic control and street name signs.** New traffic control and street name signs shall be measured and paid for at the lump sum price for signing. The payment as set forth above shall be considered full compensation for all excavation, backfilling, posts, anchors, fasteners, materials, labor, tools, and incidentals necessary to complete this work.

DESIGN <i>BP</i>	DRAWN	UTIL. CHECK'D	DATE <i>May 1995</i>	SCALE <i>None</i>
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eng | stone | signed 94-04-E750



CURVE DATA BASED ON CENTERLINE

STA.	ARC	FACE CHORD LENGTHS	DEFL.	T. DEFL.
		8' LT	8' RT	
RC. 2+04.96	5.04'	4.20'	5.85'	0° 00' 00"
8+00	25.00'	20.80'	29.12'	1° 05' 35"
125	"	"	"	5° 25' 32"
175	"	"	"	11° 56' 42"
225	"	"	"	17° 22' 14"
275	"	"	"	22° 47' 47"
325	"	"	"	28° 13' 10"
375	"	"	"	33° 35' 51"
425	"	"	"	39° 04' 23"
475	"	"	"	45° 00' 00"

RT. 5+02.31

EARTHWORK TOTALS
EXCAVATION - 1863.4 CU. YDS

**** NOTE TO CONTRACTOR ****
EXISTING CONCRETE RUBBLE TO BE DISPOSED OF OFF SITE.
MISC. DIRT PILES TO BE WASTED AS APPROVED BY THE
ENGINEER. ALL ASSOCIATED COSTS SHALL BE
INCLUDED IN THE BID ITEM CLEARING R/W & SITE PREP.

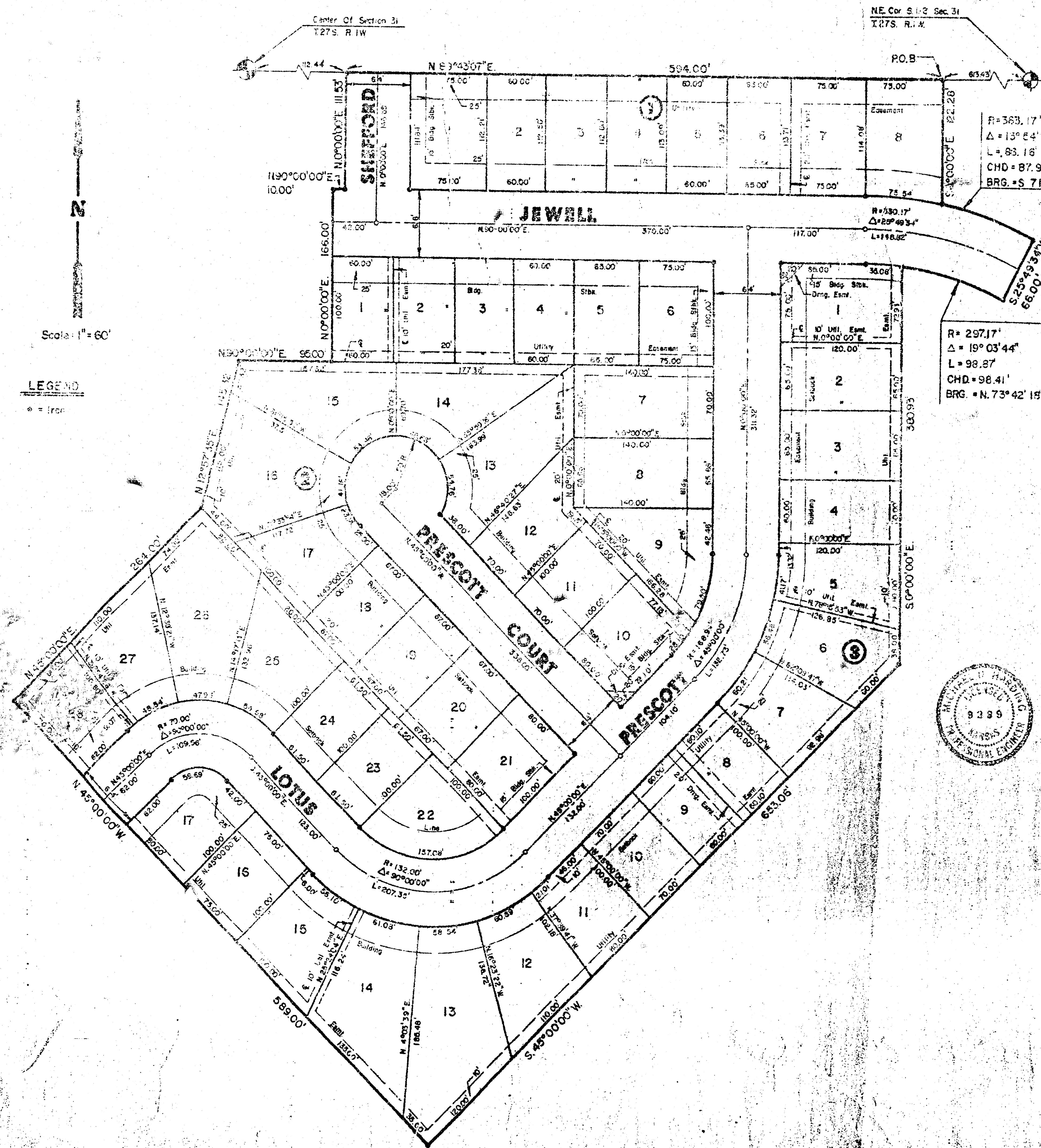
LOTUS
W.L. PAWNEE MESA THIRD ADDITION TO THE N.E. OF LOT 22, BLK 2,
PAWNEE MESA THIRD ADDITION.

BAUGHMAN COMPANY P.A.
ENGINEERING & SURVEYING
318-232-7271 • 318 E. 10th • WICHITA, KANSAS 67211

PROJECT NUMBER: 472-76-245-82053-000-000-001

DESIGN: W.E.E. APPROVED: DATE: SCALE: 1" = 20'

SHEET 4 OF 8



FINAL PLAT OF PAWNEE MESA THIRD ADDITION AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

#688303

STATE OF KANSAS
COUNTY OF SEDGWICK

This is to certify that this instrument was filed for record in the register of Deeds Office at 9:30 AM on the 1st day of MAY, 1984.

Robert F. McCurt, Register of Deeds
Pat Kuttler, Deputy

This plat of "Pawnee Mesa Third Addition" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission.

Dated this 26th day of January, 1984.

Wichita-Sedgwick County Metropolitan Area Planning Commission

Robert K. Chisholm, Chairman
Robert K. Chisholm, Secretary

Robert K. Chisholm, Secretary
Robert K. Chisholm, Secretary

This plat approved and all dedications shown herein, if any, accepted by the Board of City Commissioners of the City of Wichita, Kansas, this 31st day of February, 1984.

Margaret Knight, Mayor
Margaret Knight, Mayor

Donald C. Glick, City Clerk
Donald C. Glick, City Clerk

This plat approved and all dedications shown herein, if any, accepted by the Board of County Commissioners of Sedgwick County, Kansas, this 23rd day of April, 1984.

Jack Smart, Chairman
Jack Smart, Chairman

Donald E. Stagg, Commissioner
Donald E. Stagg, Commissioner

Tom Scott, Commissioner
Tom Scott, Commissioner

Attest: Dorothy E. White, County Clerk
Dorothy E. White, County Clerk

Entered on transfer record this 30 day of April, 1984.

Dorothy E. White, County Clerk
Dorothy E. White, County Clerk

I, Michael D. Harding, a Civil Engineer in Kansas, do hereby certify that I have been in responsible charge of surveying and platting of "Pawnee Mesa Third Addition", an addition to Wichita, Sedgwick County, Kansas, into lots, blocks and streets, the same being accurately set forth in the accompanying plat and described as follows:

A replat of Lots 1 through 7 inclusive Block 2, a portion of Lot 2, Block 4, Lots 4 through 28 inclusive Block 4, and Lots 7 through 22 inclusive Block 5, all within Pawnee Mesa Addition, in addition to Wichita, Sedgwick County, Kansas, lying in the south half of Section 31, Township 27 south, Range 1 west of the 6th P.M., more particularly described as follows:

Beginning at the northeast corner of Lot 7, Block 2, Pawnee Mesa Addition, an addition to Wichita, Sedgwick County, Kansas, said point also being on the north line of the south half of Section 31, Township 27 south, Range 1 west, 613.43 feet westerly bearing S 89° 43' 07" E from the northeast corner of the south half of Section 31; thence S 0° 00' 00" E, 122.28 feet to a point on a curve to the right having a radius of 363.17 feet and a central angle of 13° 54' 31" and a long chord of 67.94 feet bearing S 71° 07' 40" E thence along said curve an arc length of 85.16 feet; to the southwest corner of Lot 8, Block 2, Pawnee Mesa Addition; thence S 25° 49' 50" W, 66.00 feet to a point on a curve to the left having a radius of 297.17 feet, a central angle of 19° 03' 44", and a long chord of 98.41 feet bearing N 73° 42' 15" W thence along said curve an arc length of 98.87 feet; thence S 0° 00' 00" E, 380.93 feet; thence S 45° 00' 00" W, 551.06 feet; thence N 45° 00' 00" W, 589.00 feet; thence N 45° 00' 00" E, 264.00 feet; thence N 12° 57' 35" E, 145.32 feet; thence N 90° 00' 00" E, 95.00 feet; thence N 0° 00' 00" E, 166.00 feet; thence S 90° 00' 00" E, 10.00 feet; thence N 0° 00' 00" E, 111.51 feet to a point on the north line of the south half of said Section 31; thence N 89° 43' 07" E, 594.00 feet to the point of beginning; containing 11.31 acres, more or less.

All lots, easements, building setbacks and streets within the above described property are being vacated and related by virtue of K.S.A. 12-512 (b). I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 1st day of March, 1984.

Michael D. Harding, P.E.
Mid-Kansas Engineering Consultants, P.A.
240 North Rock Road, Suite 130
Wichita, Kansas 67206

Know all men by these presents that we the undersigned property owners of the land as above set forth in the Engineers Certificate have caused the same to be surveyed and platted into lots, blocks and streets, the same to be known as "Pawnee Mesa Third Addition", an addition to Wichita, Sedgwick County, Kansas. Easements for construction and maintenance of public utilities and storm sewers as indicated on the accompanying plat are hereby granted. The streets are hereby dedicated to and for the use of the public.

Alexander L. Dean, Exec. Vice. Pres.
Bradley K. Salter, Sec. Treas.

Know all men by these presents that we the undersigned property owners of the land as above set forth in the Engineers Certificate have caused the same to be surveyed and platted into lots, blocks and streets, the same to be known as "Pawnee Mesa Third Addition", an addition to Wichita, Sedgwick County, Kansas. Easements for construction and maintenance of public utilities and storm sewers as indicated on the accompanying plat are hereby granted. The streets are hereby dedicated to and for the use of the public.

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