STREET IMPROVEMENTS

For

CURTIS STREET

FROM THE N.L. ROBINSON STREET TO THE N.L. LOT 1, STEVE KELLEY 4TH ADDITION

Project Number

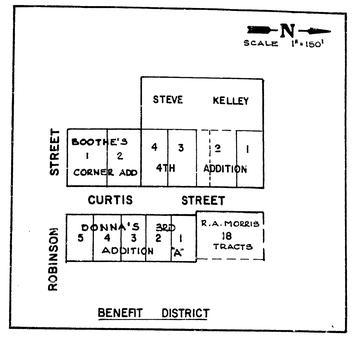
472-76-245-82487-000-000-001

Index Code

762708

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 637-2470

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

Cablevision	262-4270
or	263-2061
K.P.L. Gas Service Company	383-8650
Kansas Gas & Electric Company	383-8600
Arkla Gas Company	942-8350
Southwestern Bell Telephone Company	1-571-2611
City of Wichita Water Department	268-4908
City of Wichita Sewer Maintenance	268-4071

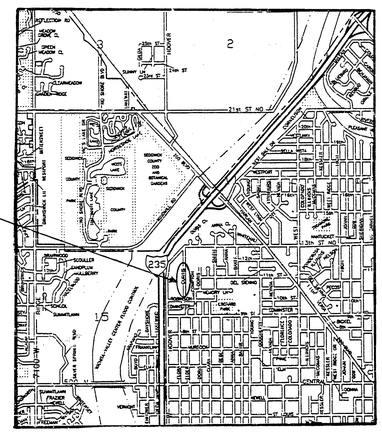
2. Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, 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 stockpiles or disposed of in a flood plain would 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.

3. 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 permissable slopes to match the existing ground surface.

4. 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.

5. All areas disturbed by construction operations shall be temporarily seeded with rye grass (8 lbs./1000 sq. ft.) immediately following construction in that area.

6. 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.



BENCHMARK:

R.R. Spike in North Side of Power Pole/Light Pole on Northeast Corner of Curtis and Robinson.

Elev. = 128.89 City Datum

INDEX:

1	Title Sheet
2	31' Pavement Detail
3	Curtis Street
4	Earthwork Cross Sections



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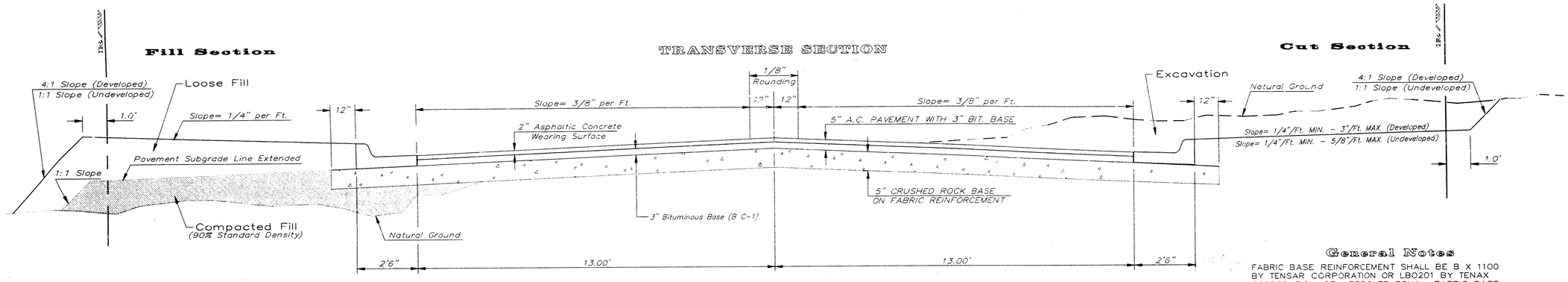
TYPICAL 31' B-B PAVEMENT DETAILS



General Notes

FABRIC BASE REINFORCEMENT SHALL BE B X 1100 BY TENSAR CORPORATION OR LBO201 BY TENAX 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.

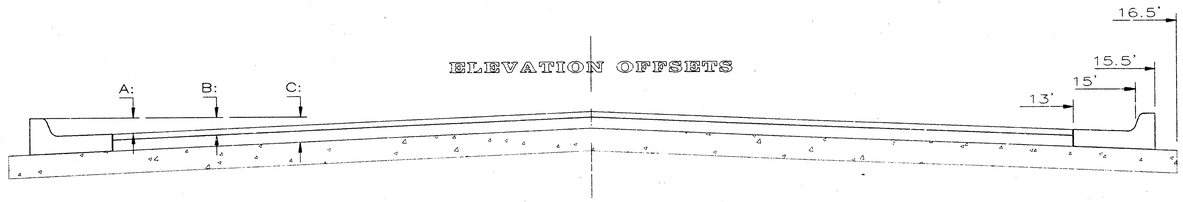
CONSTRUCTION JOINTS IN EACH LIFT SHALL BE STAGGERED A MINIMUM DISTANCE OF ONE (1) FOOT FROM JOINTS IN PRECEDING LIFTS AND PLACED SO THAT A JOINT WILL BE CONSTRUCTED ON THE CENTERLINE OF THE TOP LIFT.

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

CRUSHED ROCK GRADATION REQUIREMENTS
PERCENT OF AGGREGATE RETAINED

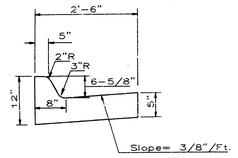
2-1/2"	0
3/4"	20 - 60
#4	50 - 80
#40	80 - 94
#200	90 - 98

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

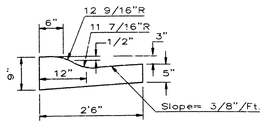


DISTANCE FROM CENTERLINE (LT. & RT.)

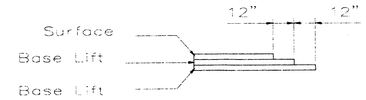
	0'	2'	4'	6'	7.5'	10'	12'	13'	15'	15.5'	16.5'
A: Top of Curbs to Top of Surface Lift	0.10	0.14	0.21	0.27	0.32	0.39	0.46	0.49	--	--	--
B: Top of Curbs to Top of Upper Base Lift	0.27	0.31	0.37	0.44	0.48	0.56	0.62	0.65	--	--	--
C: Top of Curbs to Top of C.R. Subgrade	0.52	0.56	0.62	0.69	0.73	0.81	0.87	0.90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



COMBINED CURB & GUTTER

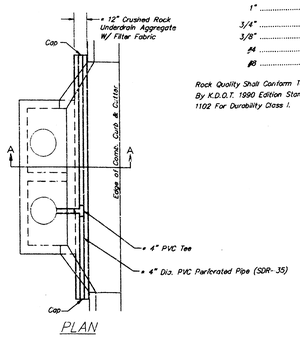


COMBINED ROLL TYPE CURB & GUTTER



TRANSVERSE CONSTRUCTION JOINTS

Transverse construction joints shall be constructed in flexible base pavements at locations where pavement joins 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).



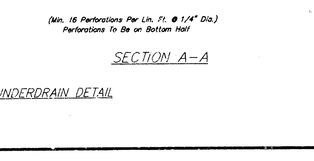
PLAN

* UNDERDRAIN AGGREGATE
Percent of Aggregate Retained

1"	0
3/4"	0 to 10
3/8"	45 to 80
#4	90 to 100
#8	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.

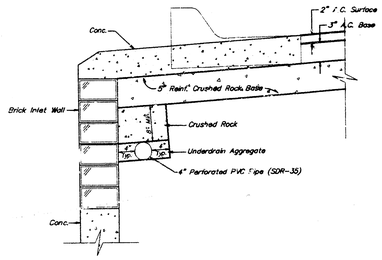
NOTE: Place 4" PVC Perforated Pipe at all drainage sump locations.
Cost of Underdrain System to be Incidental to the Reinforced Crushed Rock Subgrade.
Inlet Type May Vary From That Shown.



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

SECTION A-A

PAVEMENT UNDERDRAIN DETAIL
NOT TO SCALE



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

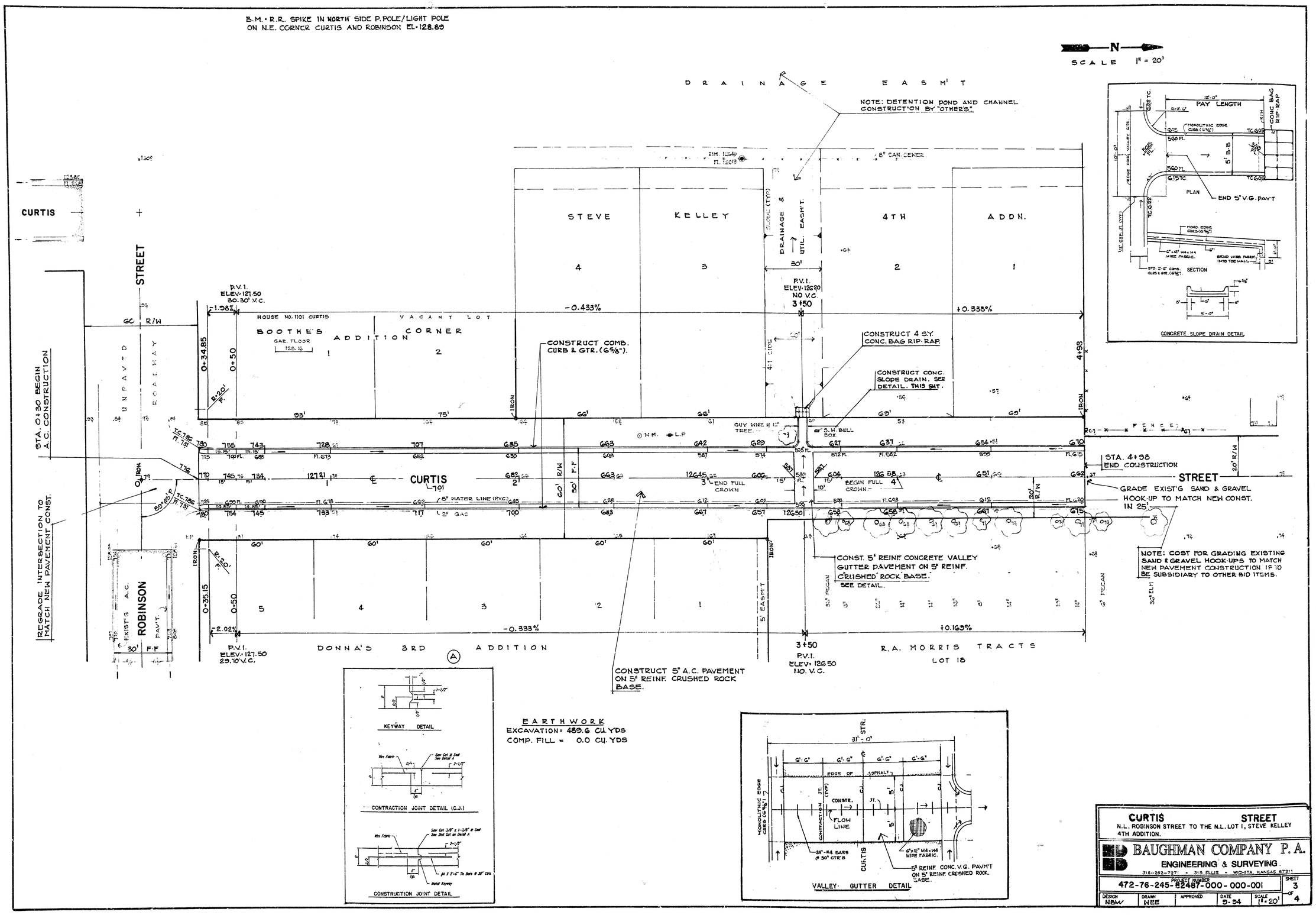
BAUGHMAN COMPANY P. A.
ENGINEERING & SURVEYING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

REV

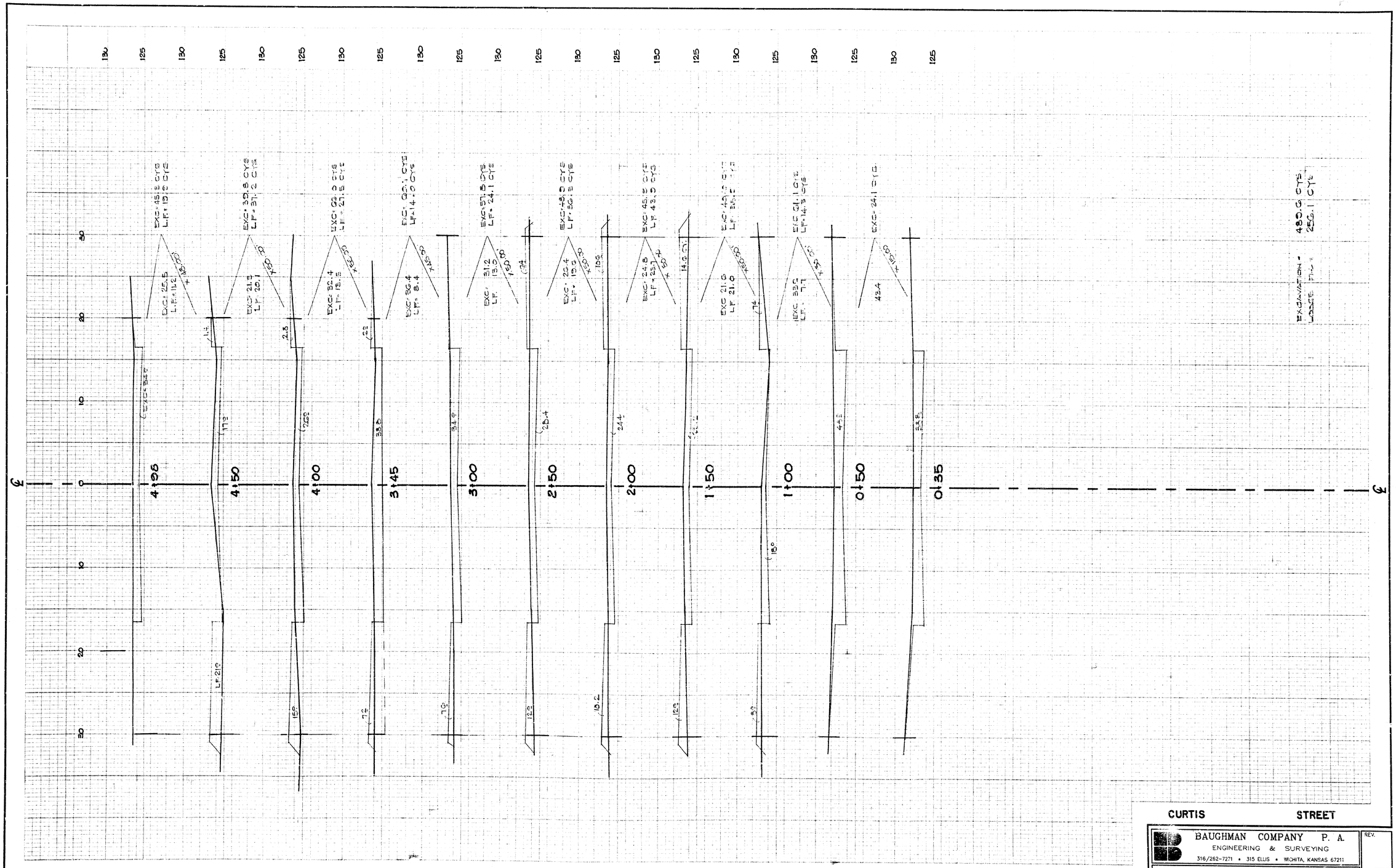
PROJECT NUMBER
472-76-245- 82487-000-000-001

SHEET 2 OF 4

DESIGN	DRAWN	APPROVED	DATE	SCALE



B.M. • R.R. SPIKE IN NORTH SIDE P. POLE/LIGHT POLE ON N.E. CORNER CURTIS AND ROBINSON EL. 128.89
SCALE 1" = 20'
DRAINAGE EASM'T
NOTE: DETENTION POND AND CHANNEL CONSTRUCTION BY "OTHERS".
CURTIS
STREET
STEVE
KELLEY
4TH
ADDN.
DRAINAGE & UTIL. EASM'T.
P.V.I. ELEV. 127.50 30.30' V.C.
P.V.I. ELEV. 126.20 NO V.C.
HOUSE NO. 1101 CURTIS
VACANT LOT
BOOTHE'S ADDITION
CORNER
CONSTRUCT COMB. CURB & GTR. (6 5/8").
CONSTRUCT 4 S.Y. CONC. BAG RIP-RAP.
CONSTRUCT CONC. SLOPE DRAIN. SEE DETAIL. THIS SHT.
STA. 0+30 BEGIN A.C. CONSTRUCTION
REGRADE INTERSECTION TO MATCH NEW PAVEMENT CONST.
UNPAVED ROADWAY
ROBINSON
EXIST'G A.C. PAV'T.
STA. 4+98 END CONSTRUCTION
GRADE EXIST'G SAND & GRAVEL HOOK-UP TO MATCH NEW CONST. IN 25'.
NOTE: COST FOR GRADING EXISTING SAND & GRAVEL HOOK-UPS TO MATCH NEW PAVEMENT CONSTRUCTION IS TO BE SUBSIDIARY TO OTHER BID ITEMS.
CONST. 5" REINF. CONCRETE VALLEY GUTTER PAVEMENT ON 5" REINF. CRUSHED ROCK BASE. SEE DETAIL.
CONSTRUCT 5" A.C. PAVEMENT ON 5" REINF. CRUSHED ROCK BASE.
DONNA'S 3RD ADDITION
R.A. MORRIS TRACTS LOT 18
P.V.I. ELEV. 127.50 29.70' V.C.
P.V.I. ELEV. 126.50 NO. V.C.
-0.433%
+0.338%
-0.333%
+0.169%
-2.02%
8" WATER LINE (P.V.C.)
2" GAS
END FULL CROWN
BEGIN FULL CROWN
GUY WIRE & 12" TREE
S.W. BELL BOX
PAY LENGTH
PLAN
SECTION
END 5" V.G. PAV'T
CONC. BAG RIP-RAP
CONCRETE SLOPE DRAIN DETAIL
KEYWAY DETAIL
CONTRACTION JOINT DETAIL (C.J.)
CONSTRUCTION JOINT DETAIL
EARTHWORK
EXCAVATION = 489.6 CU. YDS
COMP. FILL = 0.0 CU. YDS
VALLEY GUTTER DETAIL
CURTIS STREET
N.L. ROBINSON STREET TO THE N.L. LOT 1, STEVE KELLEY 4TH ADDITION.
BAUGHMAN COMPANY P.A.
ENGINEERING & SURVEYING
315-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211
PROJECT NUMBER 472-76-245-82487-000-000-001
SHEET 3 OF 4
DESIGN NBW
DRAWN WEE
APPROVED
DATE 9-94
SCALE 1" = 20'



CURTIS STREET

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SHEET
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