

CITY OF WICHITA, KANSAS

MICHAEL E. LINDEBAK, P.E., CITY ENGINEER

STREET IMPROVEMENTS

HICKORY/GOLDEN HILLS - E.L. 119TH STREET TO NORTH CURB RETURN LOT 23, BLOCK 2
PINE GROVE/KENNY - S.L. LOT 1, BLOCK 3 AND S.L. LOT 1, BLOCK 4 TO E.L. GOLDEN HILLS 5TH ADDITION

IN

GOLDEN HILLS 5TH ADDITION

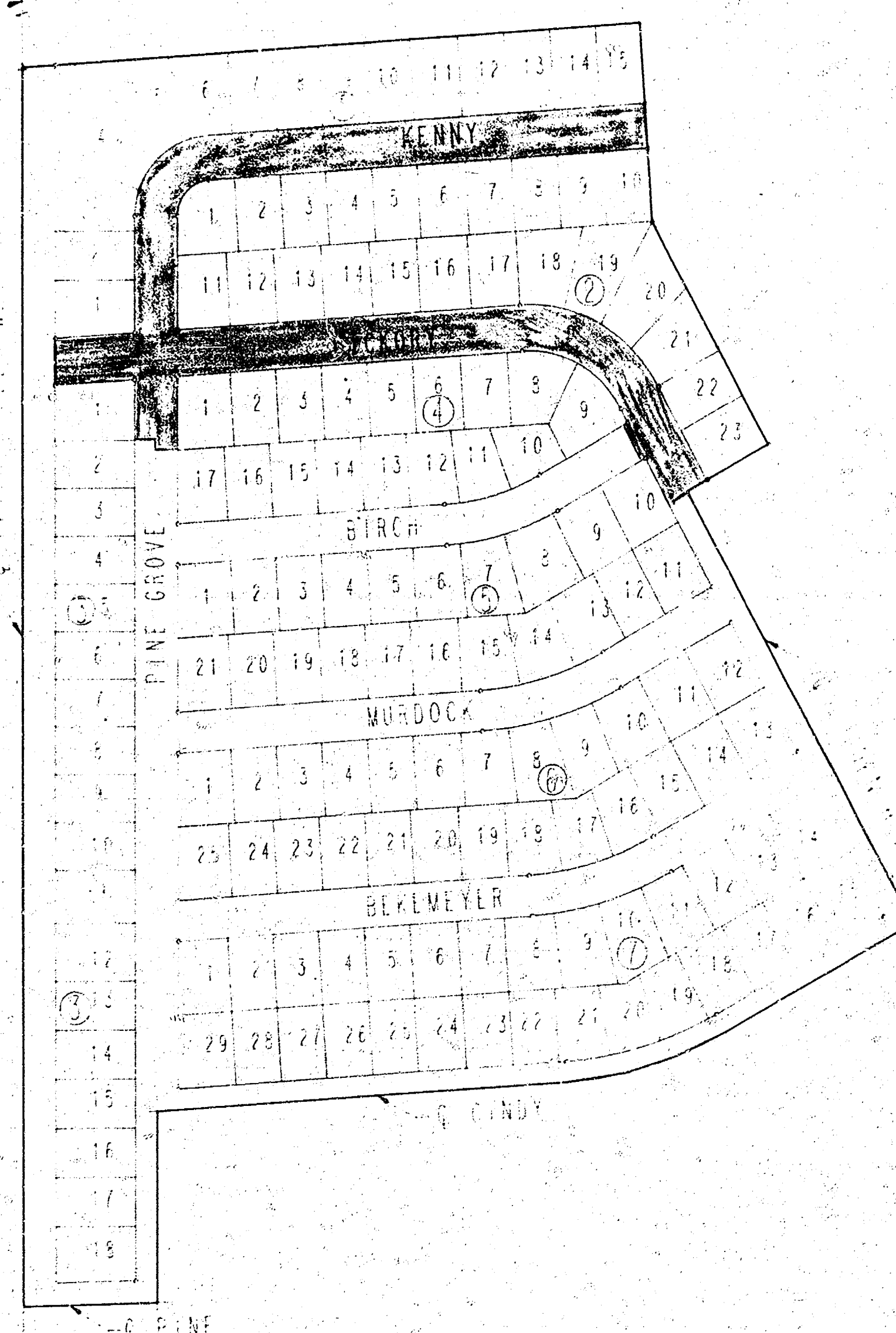
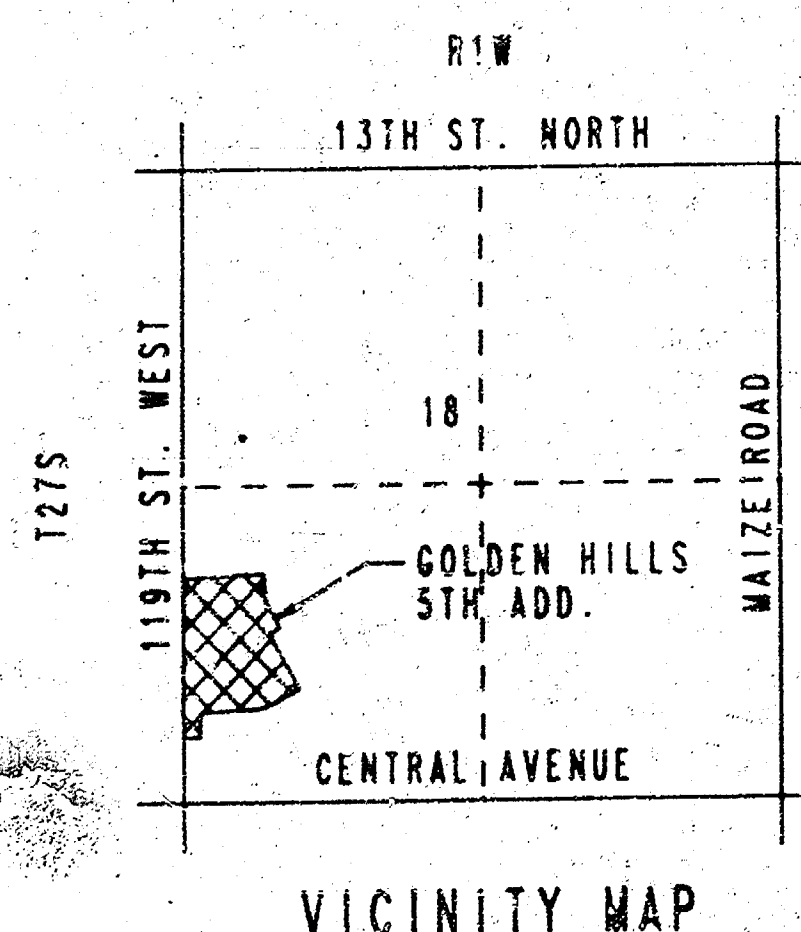
CITY OF WICHITA PROJECT NO. 472-76-245-30001-000-000-040

INDEX OF SHEETS

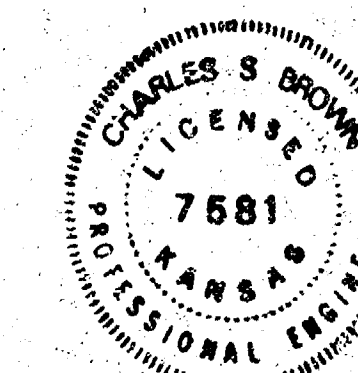
1. TITLE SHEET
2. PLAN
3. TYPICAL 37" PAVEMENT DETAILS (9")
4. TYPICAL 35" PAVEMENT DETAILS (7")
5. HICKORY/GOLDEN HILLS PAVING PLAN
6. PINE GROVE/KENNY PAVING PLAN
7. MISCELLANEOUS PAVING DETAILS
8. STANDARD ENTRANCE DRIVE DETAILS

PROJECT SURVEY CONTROL

CITY OF WICHITA DATUM
DATUM BENCH MARK: CITY OF WICHITA BENCH MARK DISC 40' EAST AND 66' SOUTH OF INTERSECTION OF 8'S CENTRAL AND 119TH STREET WEST. ELEV. +156.93
BENCH MARK: 8" SPIKE IN NW FACE 18" CEDAR ON SOUTH SIDE CENTRAL AT GOLDEN HILLS STREET. ELEV. +160.27



SCALE: 1" = 150'



GENERAL NOTES

1. ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF WICHITA SPECIFICATIONS.
2. UNDERGROUND UTILITY SITES AND OVERHEAD UTILITY POLE LINES ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION. THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR. EXISTING UTILITIES AND THEIR LOCATION, 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 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.
4. CONTRACTOR SHALL SATISFY HIMSELF OF SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION.
5. 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.
6. THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY DIRECTLY ADJUTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS ADVANCE NOTICE PRIOR TO START OF CONSTRUCTION.
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 OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.
8. CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF TWENTY-FOUR (24) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:
SOUTHWESTERN BELL TELEPHONE COMPANY 1-316-571-2611
CABLEVISION 262-4270 OR 263-2061
KPL GAS SERVICE 263-7511
KANSAS GAS & ELECTRIC 264-1141
CITY OF WICHITA WATER DEPARTMENT 268-4908
CITY OF WICHITA SEWER DEPARTMENT 268-4071
ARKLA GAS COMPANY 942-8350 OR 263-8161
9. 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 ADJUTS AN EXISTING SURFACE COURSE OR PAVEMENT FOR WHICH PARTIAL REMOVAL OF THAT SURFACE OR PAVEMENT IS REQUIRED. SAWED 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 SUBSIDIARY TO REMOVAL OF THE SURFACE OR PAVEMENT.
10. 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.
11. THIS PROJECT INCLUDES A CERTAIN AMOUNT OF ROLL TYPE CURB CONSTRUCTION. ROLL CURBS SHALL BE DEPRESSED THROUGH ALL DRIVEWAY OPENINGS WHEN SUCH DRIVES ARE CONSTRUCTED AS A PART OF THE PROJECT.

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

SANITARY SEWERS _____
STORM SEWERS _____
DRIVEWAY APPROACHES _____
WATER MAINS _____
PAVING VERH 4/4/88

NOTE TO CONTRACTOR

THIS PROJECT WILL BE CONSTRUCTED UNDER THE SUPERVISION OF THE CITY ENGINEER AND CONFORMING TO THE SPECIFICATIONS OF THE CITY OF WICHITA. THE CONTRACTOR WILL PAY THE CITY OF WICHITA FOR ALL COSTS OF PLAN REVIEW, INSPECTION AND BOOKING PER CONTRACT.

MARCH, 1988
PLANS PREPARED BY
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

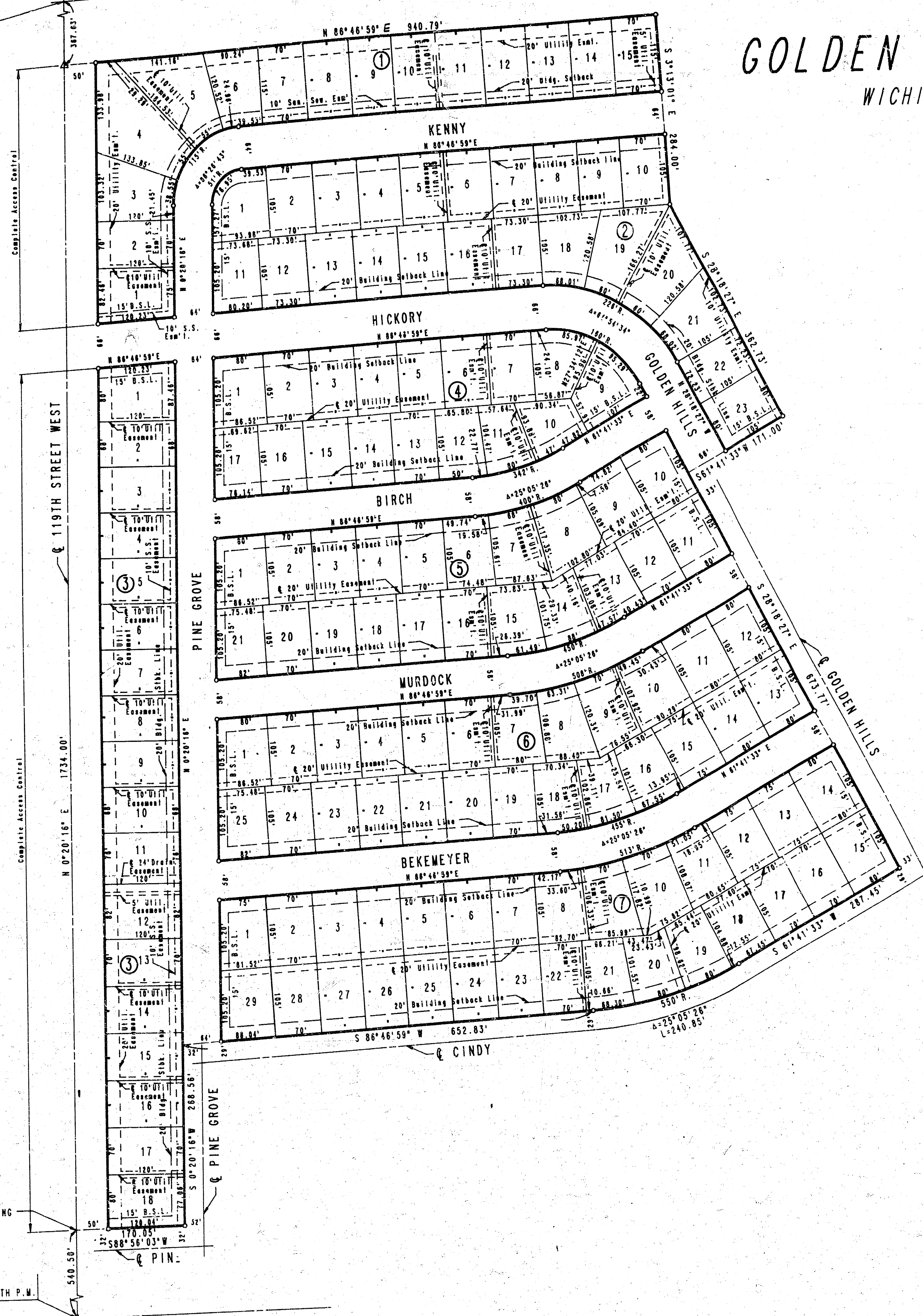
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GOLDEN HILLS 5TH ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

N.W. COR. S.W. 1/4
SEC. 18, T27S, R1W
OF THE 6TH P.M.

S.W. COR. SEC. 18,
T27S, R1W OF THE 6TH P.M.



SCALE: 1" = 100'
O = IRON SET

B.S.L. = BUILDING SETBACK LINE

B.M. = CITY OF WICHITA STD. B.M. DISC
40 FT. EAST AND 46 FT. SOUTH OF
INTERSECTION OF CENTER LINES OF
CENTRAL AND 119TH STREET WEST.
ELEV. +156.93 CITY DATUM

PLAT

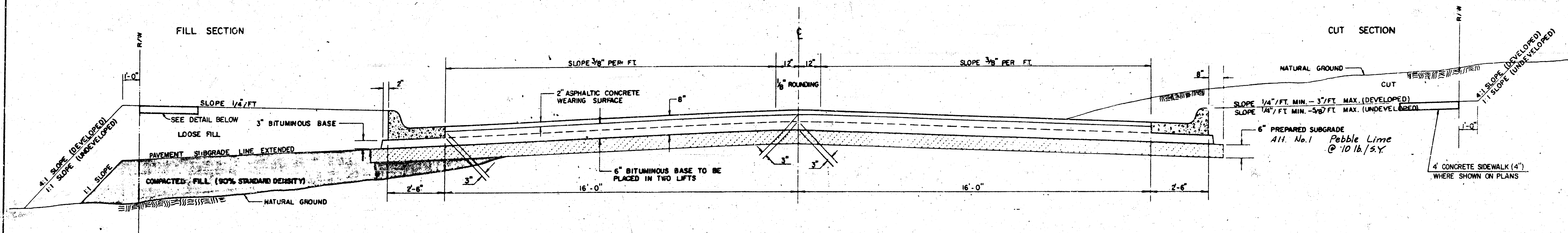
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
2/12
1985

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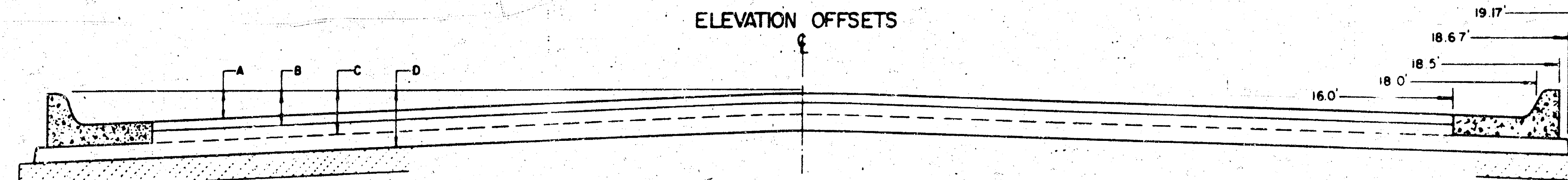
TYPICAL 37' PAVEMENT DETAILS

3/12

TRANSVERSE SECTION



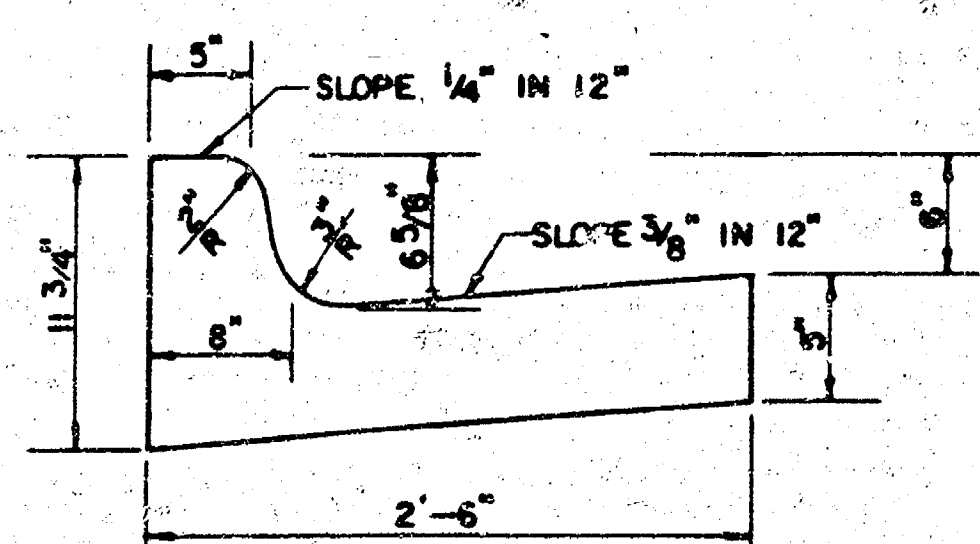
ELEVATION OFFSETS



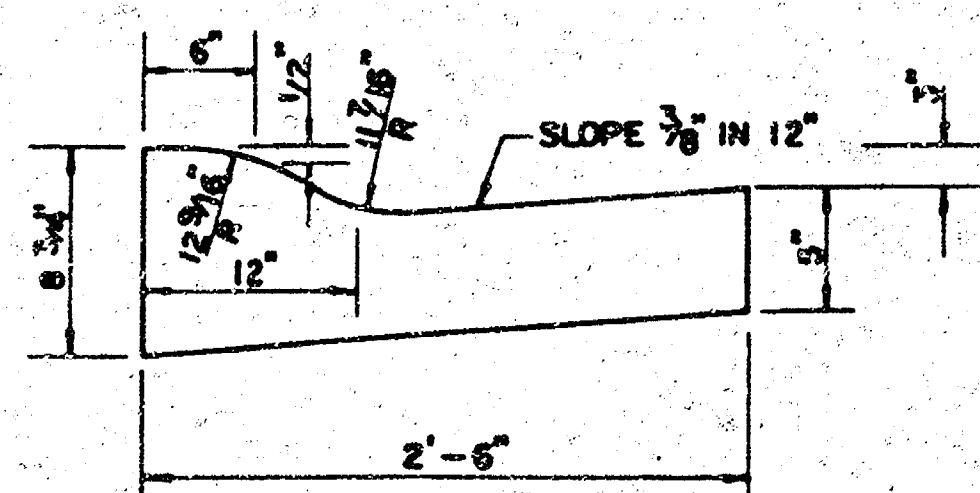
	DISTANCE FROM CENTERLINE (LT. & RT.)												
	0	2	4	6	8	10	12	14	16	18	18.5	18.67	19.17
A: TOP OF CURBS TO TOP OF SURFACE LIFT	.01	.05	.11	.18	.24	.30	.36	.43	.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	.17	.22	.28	.34	.40	.47	.53	.59	.65	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	.42	.47	.53	.59	.65	.72	.78	.84	.90	.97	.98	.99	—
D: TOP OF CURBS TO TOP OF SUBGRADE	.67	.72	.78	.84	.90	.97	1.03	1.09	1.15	1.22	1.23	1.24	1.25

COMPACTED FILL DETAIL WHEN SIDEWALK IS CONSTRUCTED

COMBINED CURB & GUTTER



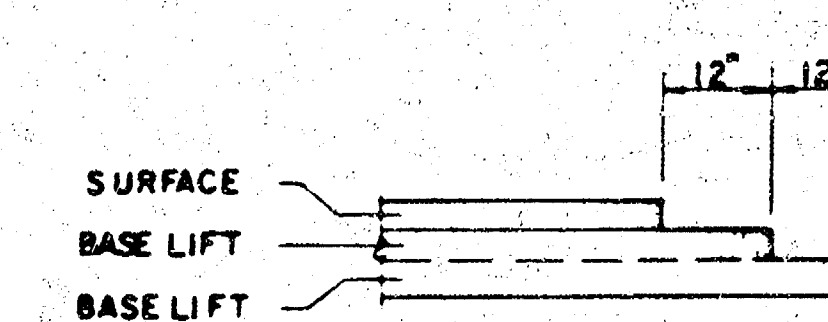
ROLL TYPE COMBINED CURB & GUTTER



GENERAL NOTES

- 1) THE ASPHALTIC CONCRETE PAVEMENT BETWEEN THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 8" ASPHALTIC CONCRETE (6" BITUMINOUS BASE).
- 2) THE BITUMINOUS BASE UNDER AND BEHIND THE COMBINED CURB AND GUTTER SHALL BE PAID AS SQUARE YARDS OF 3" 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 DESIGN BY THE SUCCESSFUL BIDDER SHALL BE USED IN CONSTRUCTING THIS PROJECT.

TRANSVERSE CONSTRUCTION JOINTS



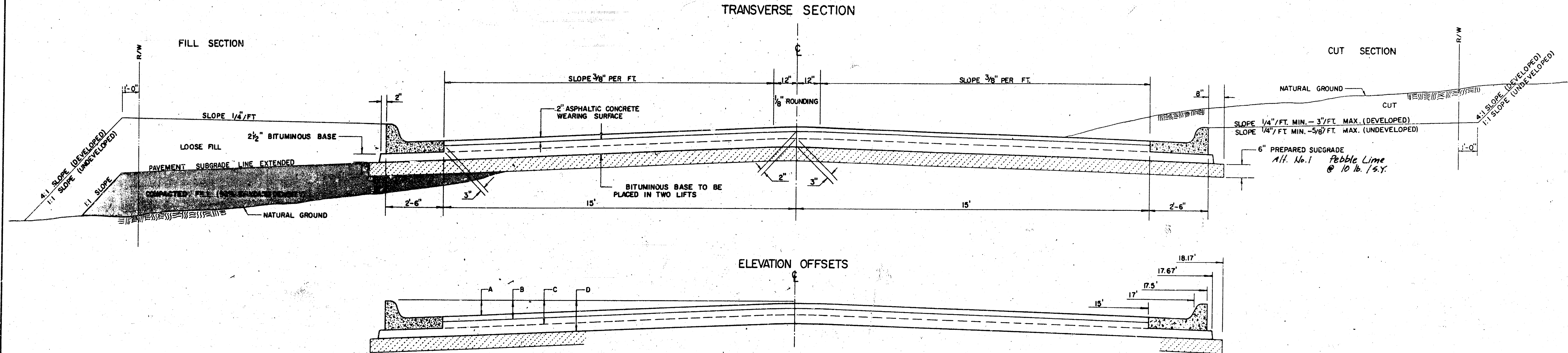
TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 8" ASPHALTIC CONCRETE (6" BITUMINOUS BASE).

8 INCH RESIDENTIAL ASPHALTIC CONCRETE
PAVEMENT WITH 6 INCH BITUMINOUS BASE
CITY OF WICHITA, KANSAS
PROJECT NUMBER
472-76-245-80001-000-000-040

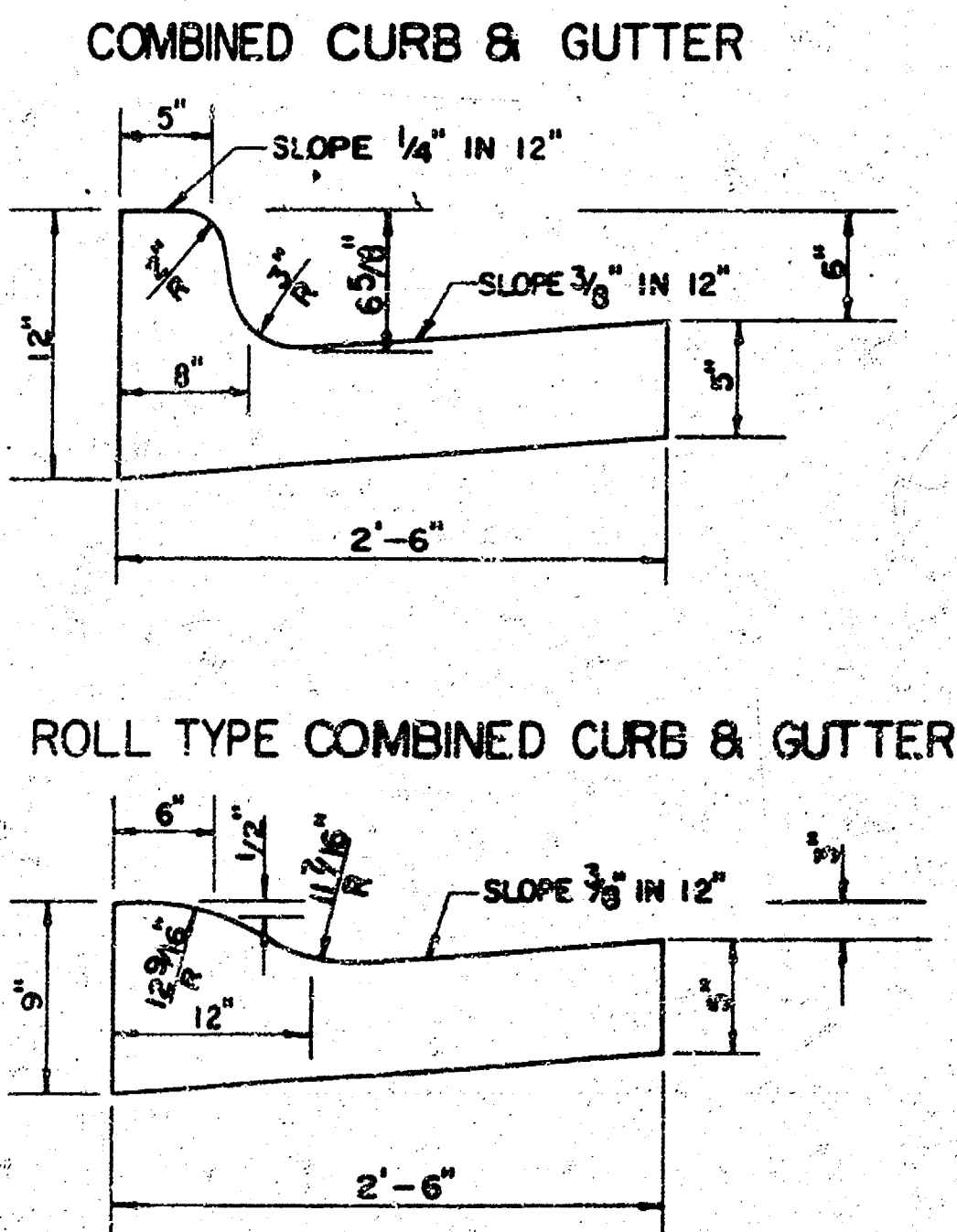
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TYPICAL 35' PAVEMENT DETAILS

4 12



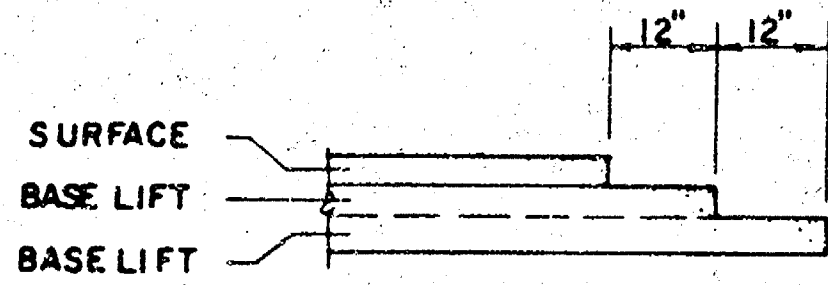
	DISTANCE FROM CENTERLINE (LT. & RT.)													
	0'	2'	4'	6'	8.5'	10'	12'	14'	15'	17'	17.5'	17.67'	18.17'	
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.04	0.08	0.14	0.21	0.29	0.33	0.39	0.46	0.49	—	—	—	—	
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.21	0.25	0.31	0.37	0.45	0.50	0.56	0.62	0.65	—	—	—	—	
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.37	0.43	0.50	0.57	0.67	0.72	0.79	0.87	0.90	0.98	1.00	1.00	—	
D: TOP OF CURBS TO TOP OF SUBGRADE	0.62	0.67	0.74	0.81	0.90	0.95	1.02	1.08	1.12	1.19	1.21	1.21	1.23	



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.

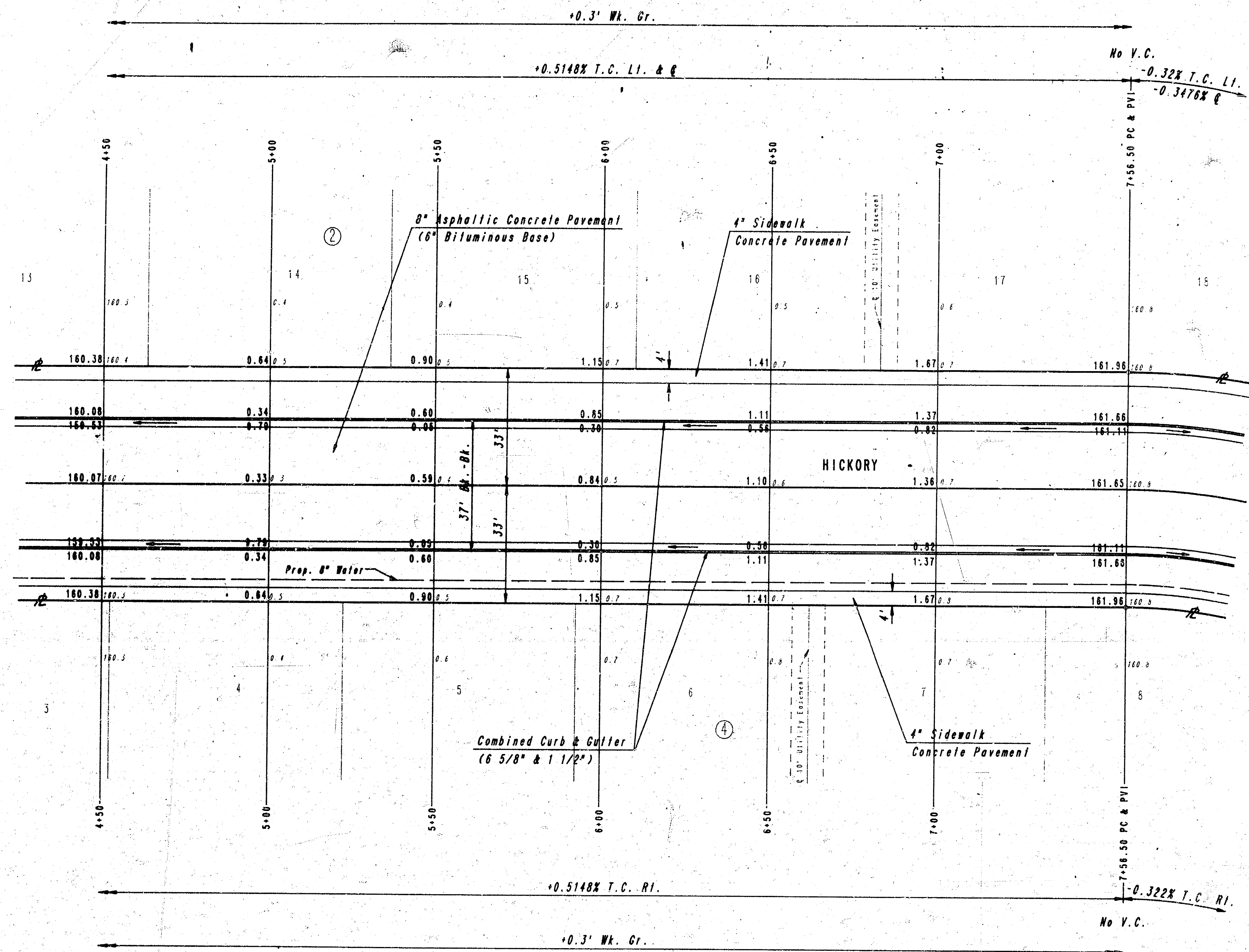
TRANSVERSE CONSTRUCTION JOINTS



TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINTS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. 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 472-76-245-80001-000-000-020

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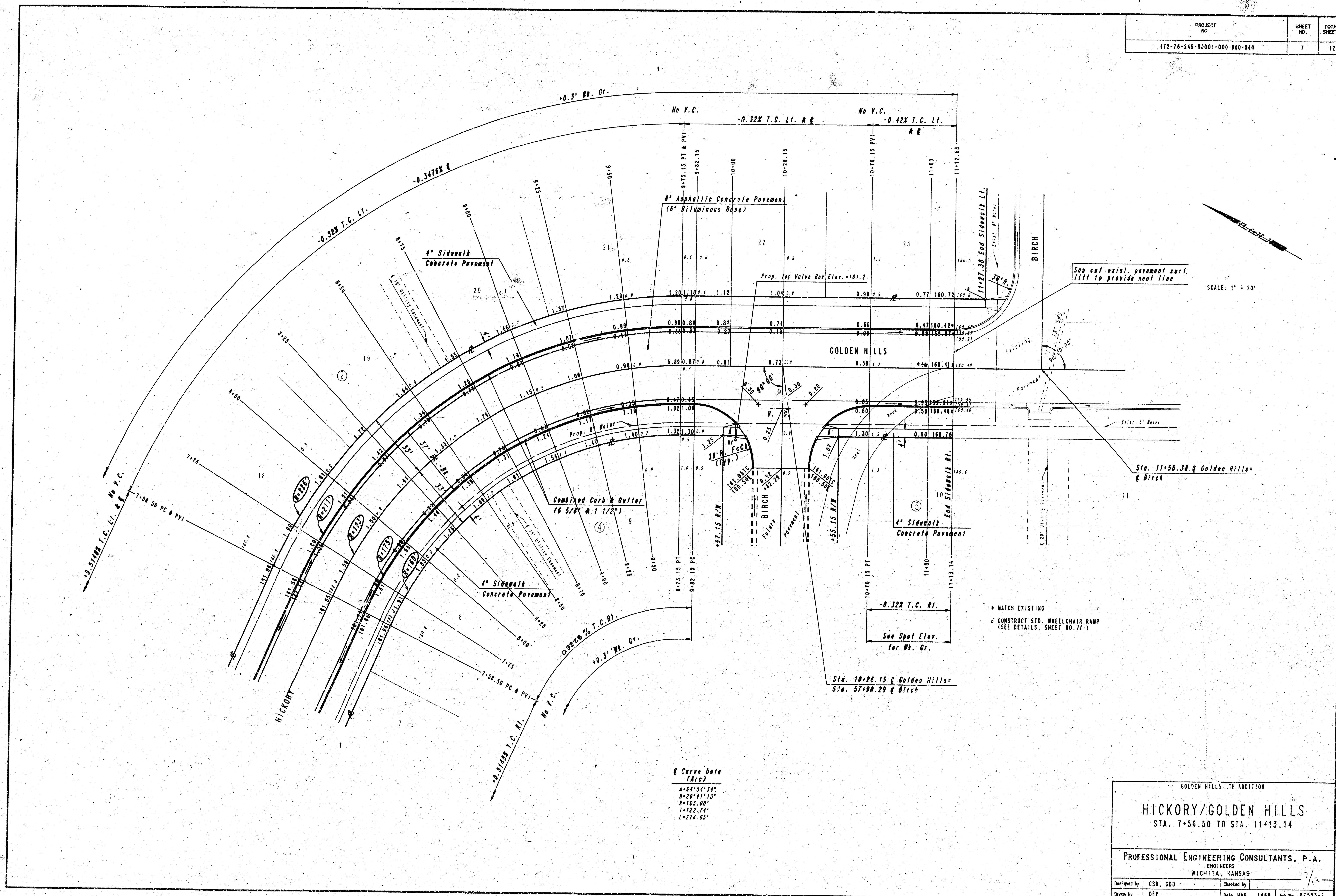


SCALE: 1" = 20'

GOLDEN HILLS STH ADDITION			
HICKORY			
STA. 4+50.00 TO STA. 7+56.50			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.			
ENGINEERS WICHITA, KANSAS			
Designed by CSB, ODD	Checked by G	Date MAR., 1968	
Drawn by DEP	Job No. 87555-1		

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PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-78-245-82001-000-000-040	7	12



Curve Data
(Arc)
A=64°54'34"
D=29°41'13"
R=193.00'
T=122.74'
L=218.65'

GOLDEN HILLS .TH ADDITION

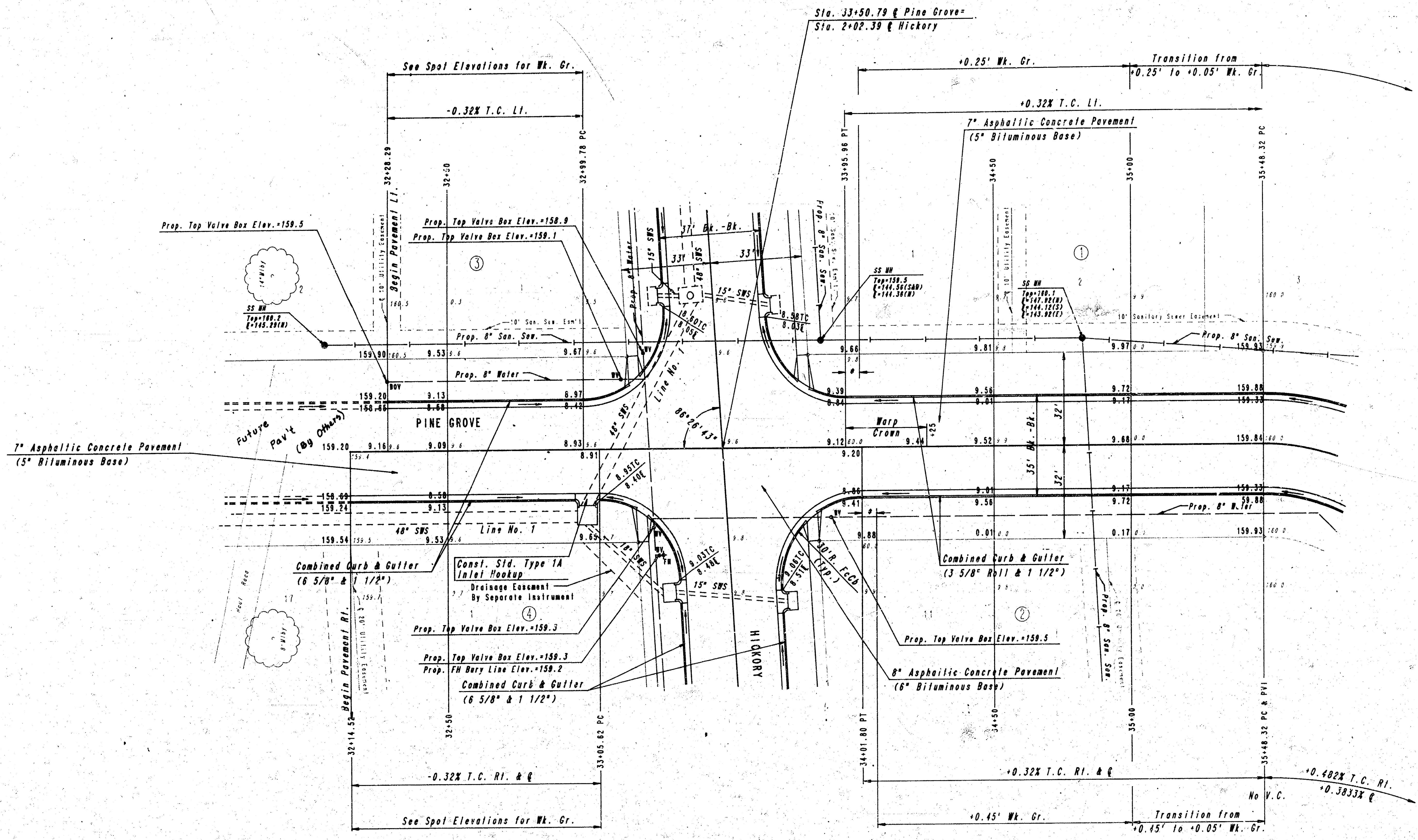
HICKORY/GOLDEN HILLS
STA. 7+56.50 TO STA. 11+13.14

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

Designed by	CSB, GDD	Checked by	7/2
Drawn by	DEP	Date	MAR., 1988
		Job No.	87555-1

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PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-76-245-80001-000-000-040	8	12



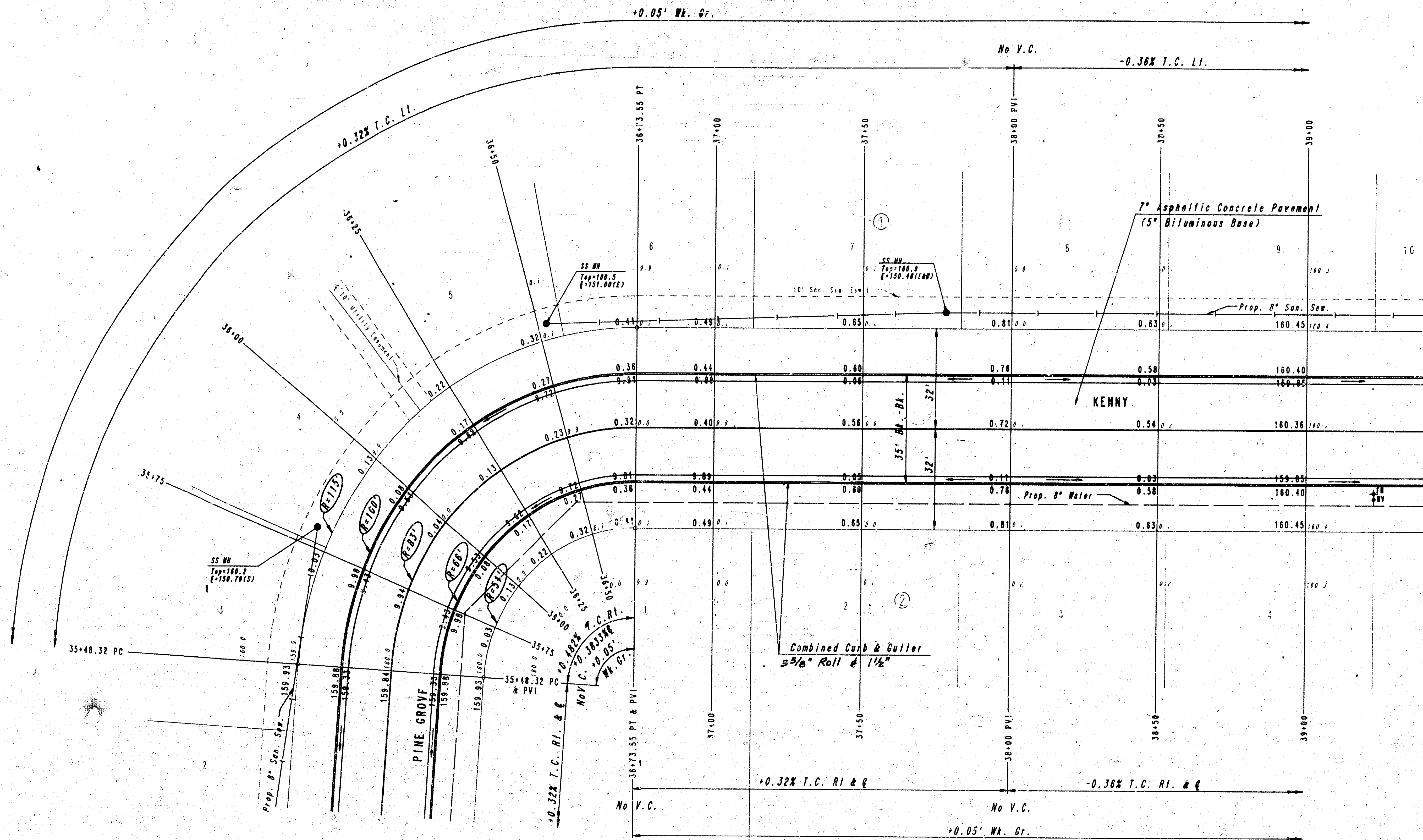
SCALE: 1" = 20'

5' TRANSITION FROM COMBINED CURB AND GUTTER
(6 5/8" & 1 1/2") TO COMBINED CURB AND GUTTER
(3 5/8" ROLL & 1 1/2")

NOTE: PINE GROVE STREET (NORTH OF HICKORY) TO BE
CONSTRUCTED WITH ROLL-TYPE CURB. TOP OF CURB
ELEVATIONS GIVEN ARE FOR FULL HEIGHT CURB.

GOLDEN HILLS STN ADDITION			
PINE GROVE			
STA. 32+14.52 TO STA. 35+48.32			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.			
ENGINEERS			
WICHITA, KANSAS			
Designed by	CSB, GDD	Checked by	8/12
Drawn by	DEP	Date	MAR., 1988
		Job No.	87555-1

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SCALE: 1" = 20'

Curve Data
(Arc)
A=65°28'43"
D=69°01'52"
R=83.60'
T=78.60'
L=125.23'

NOTE: THIS STREET TO BE CONSTRUCTED WITH ROLL-TYPE CURB. TOP OF CURB ELEVATIONS GIVEN ARE FOR FULL HEIGHT CURB.

GOLDEN HILLS STH ADDITION

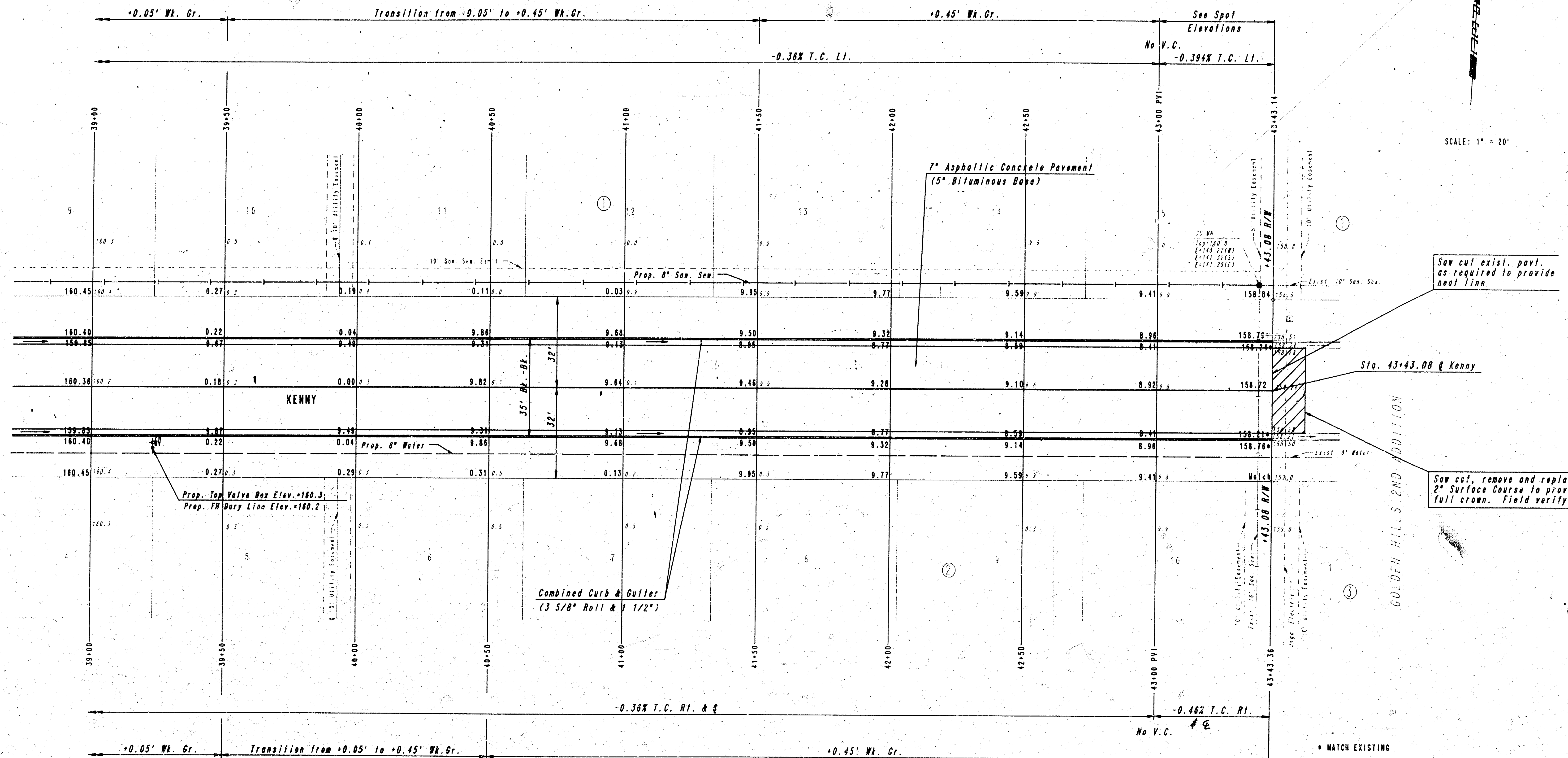
PINE GROVE/KENNY
STA. 35+48.32 TO STA. 39+00.00

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

Designed by	CSB, GBD	Checked by	9/12
Drawn by	DEP	Date	MAR., 1988 Job No. 87555-1

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PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-78-245-80001-000-040	10	12



SCALE: 1" = 20'

NOTE: THIS STREET TO BE CONSTRUCTED WITH ROLL-TYPE CURB. TOP OF CURB ELEVATIONS GIVEN ARE FOR FULL HEIGHT CURB.

GOLDEN HILLS 5TH ADDITION

KENNY

STA. 39+00.00 TO STA. 43+43.08

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.

ENGINEERS

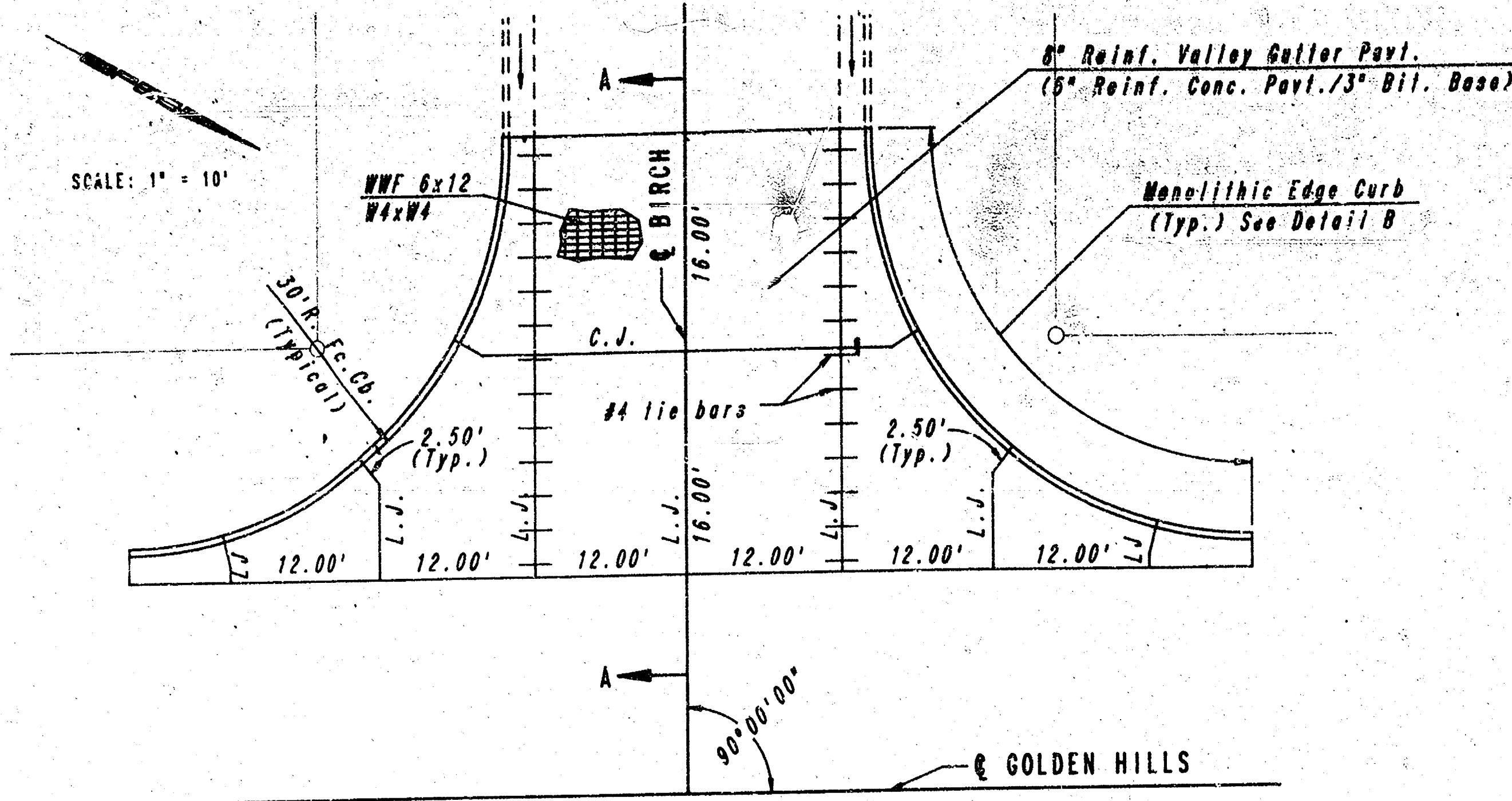
WICHITA, KANSAS

Designed by CSB, GDD Checked by 10/12

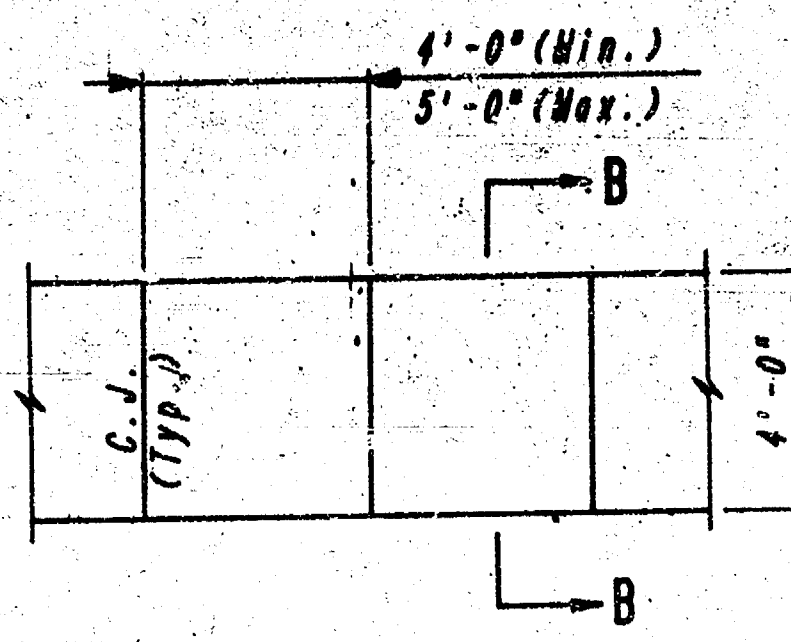
Drawn by DEP Date MAR., 1988 Job No. 87555-1

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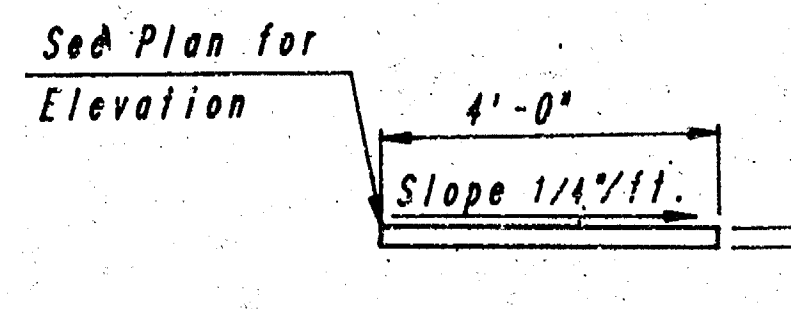
PROJECT NO.	SHEET NO.	TOTAL SHEETS
472-76-245-86801-000-000-040	11	12



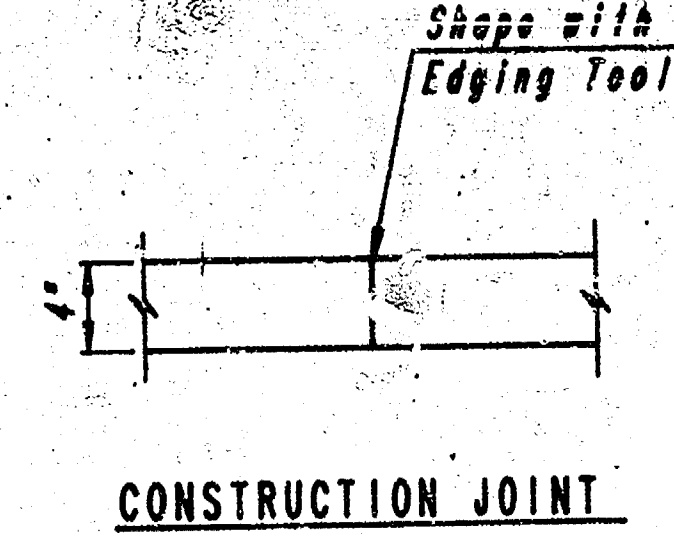
PLAN
TYPICAL REINFORCED VALLEY GUTTER



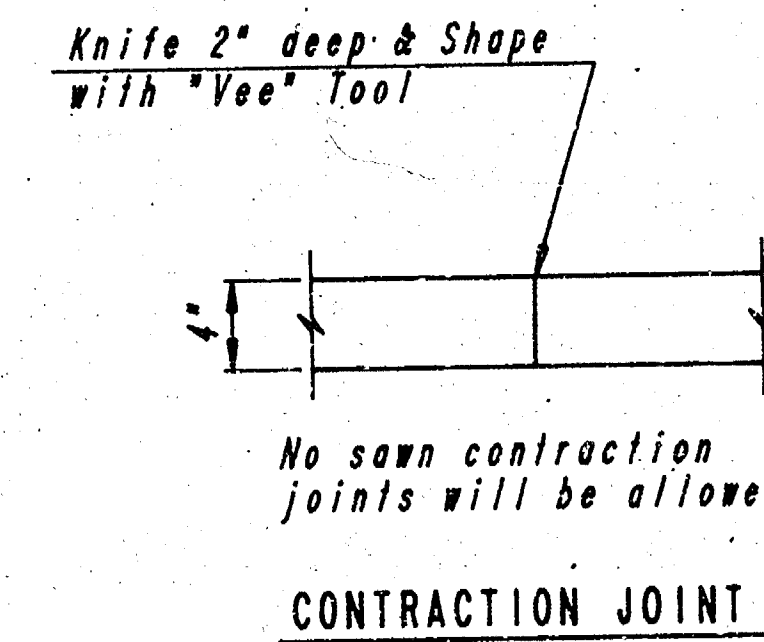
PLAN



SECTION B-B

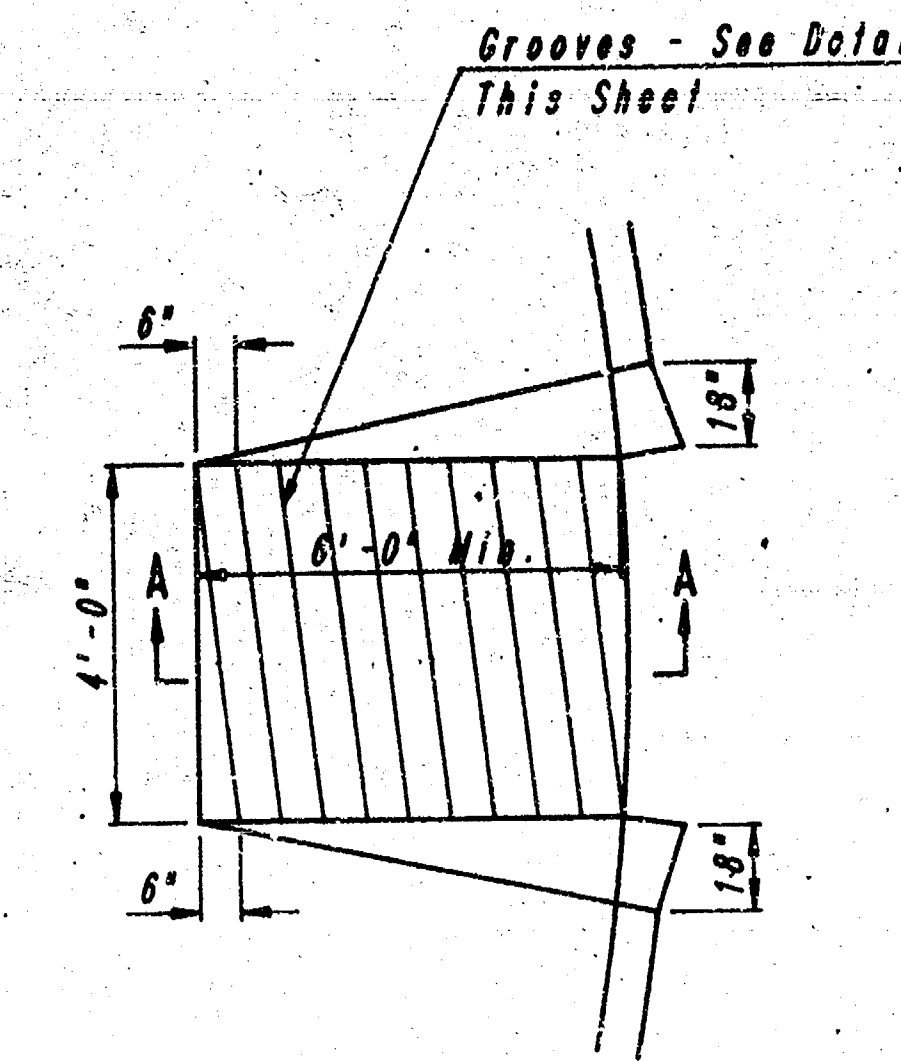


CONSTRUCTION JOINT

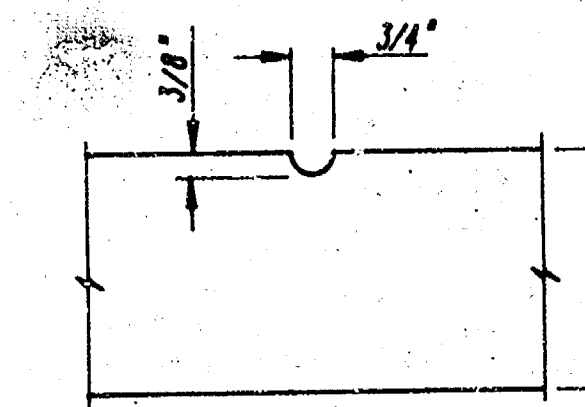


CONTRACTION JOINT

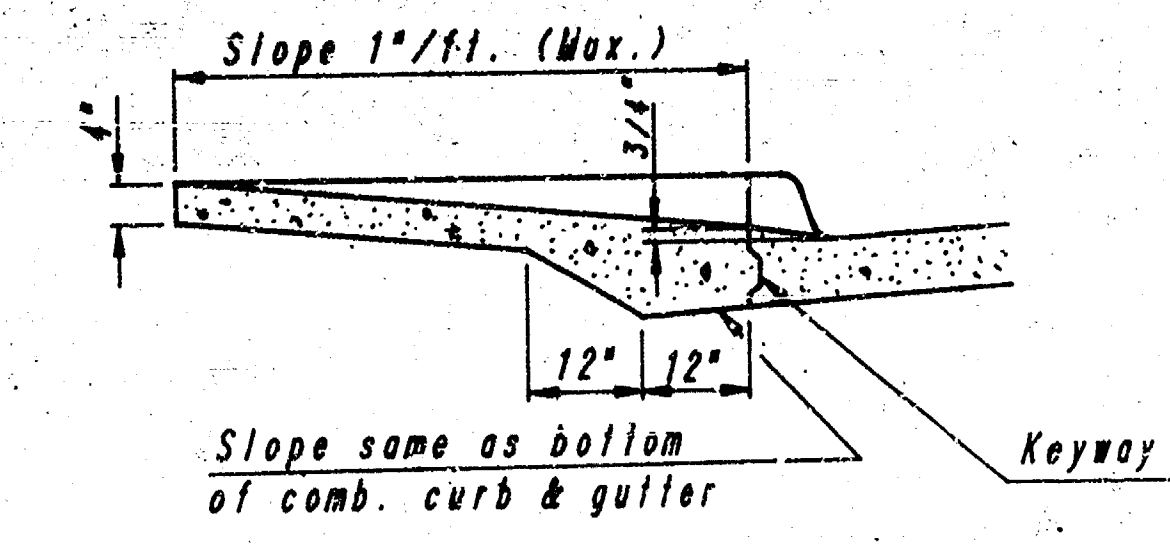
SIDEWALK DETAILS



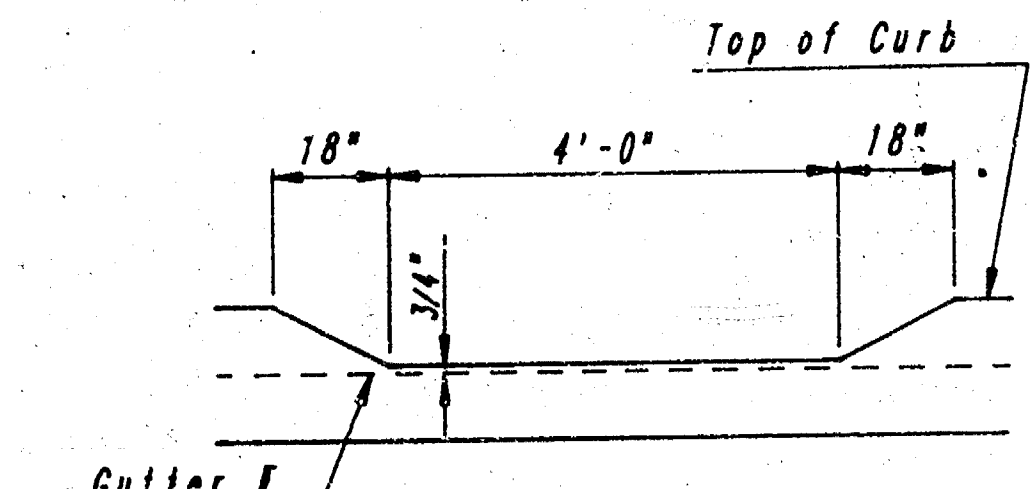
PLAN



GROOVE DETAIL

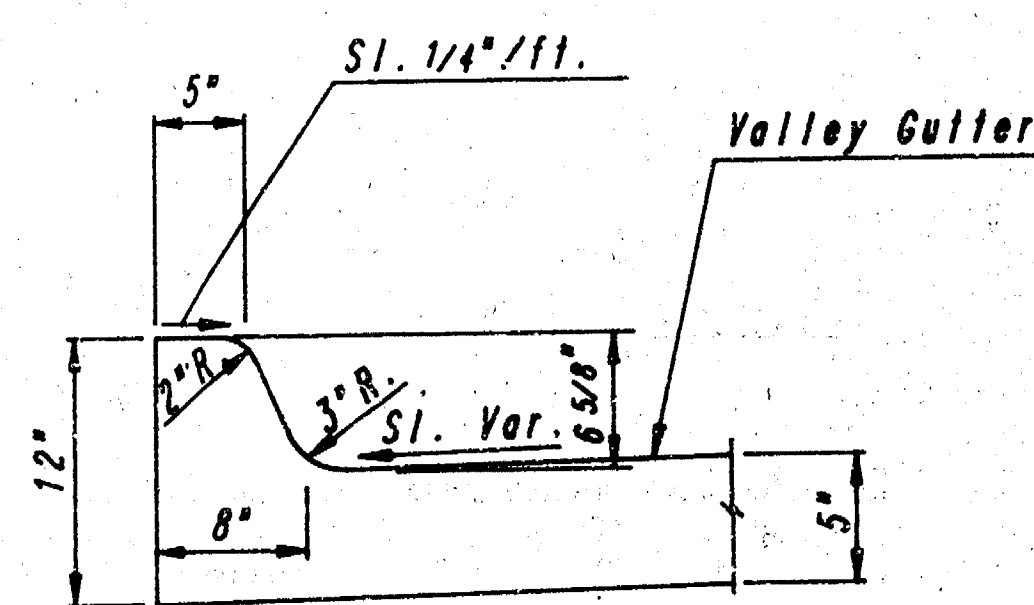


SECTION A-A

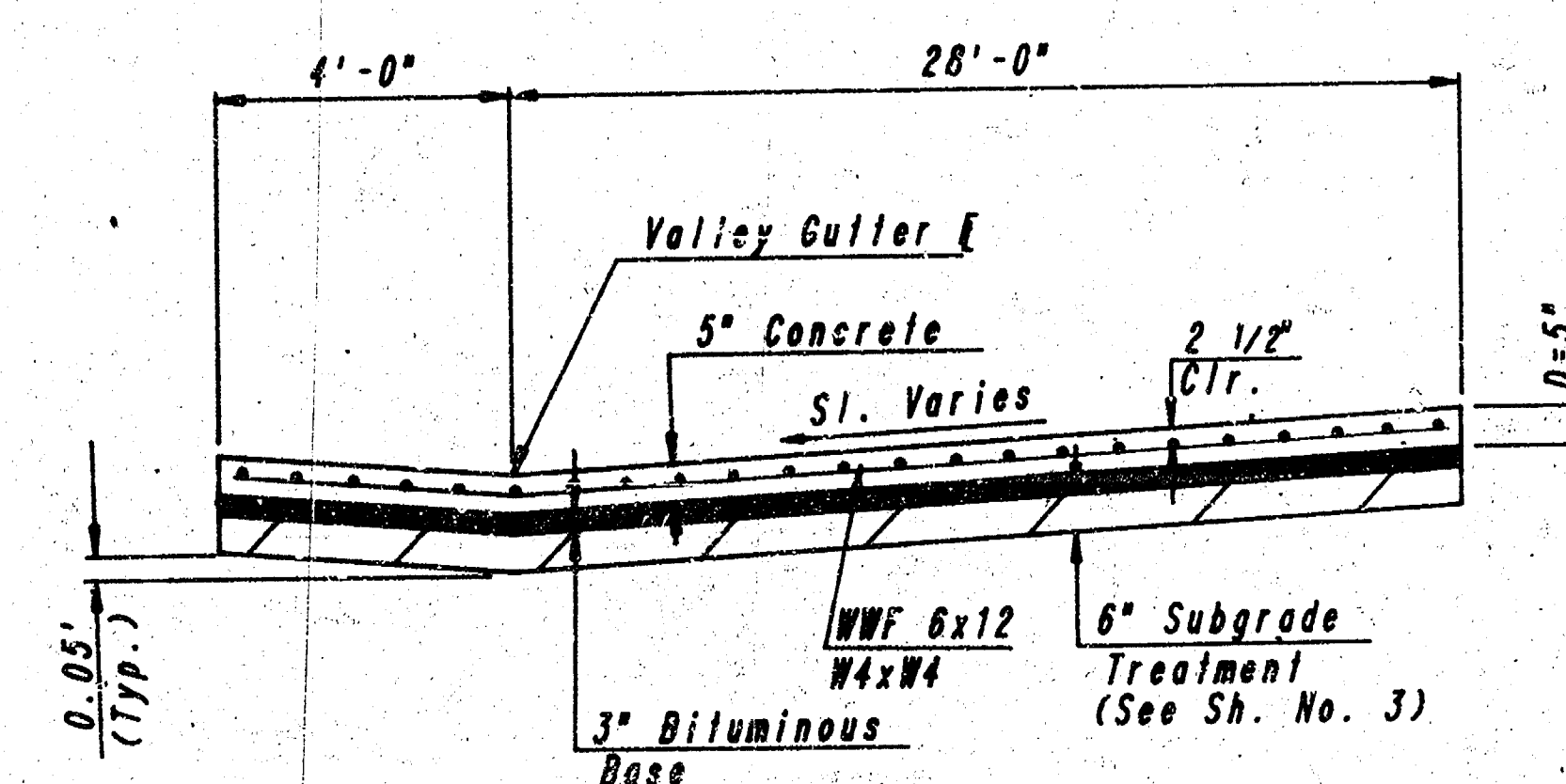


DEPRESSED CURB DETAIL

STANDARD WHEELCHAIR RAMP

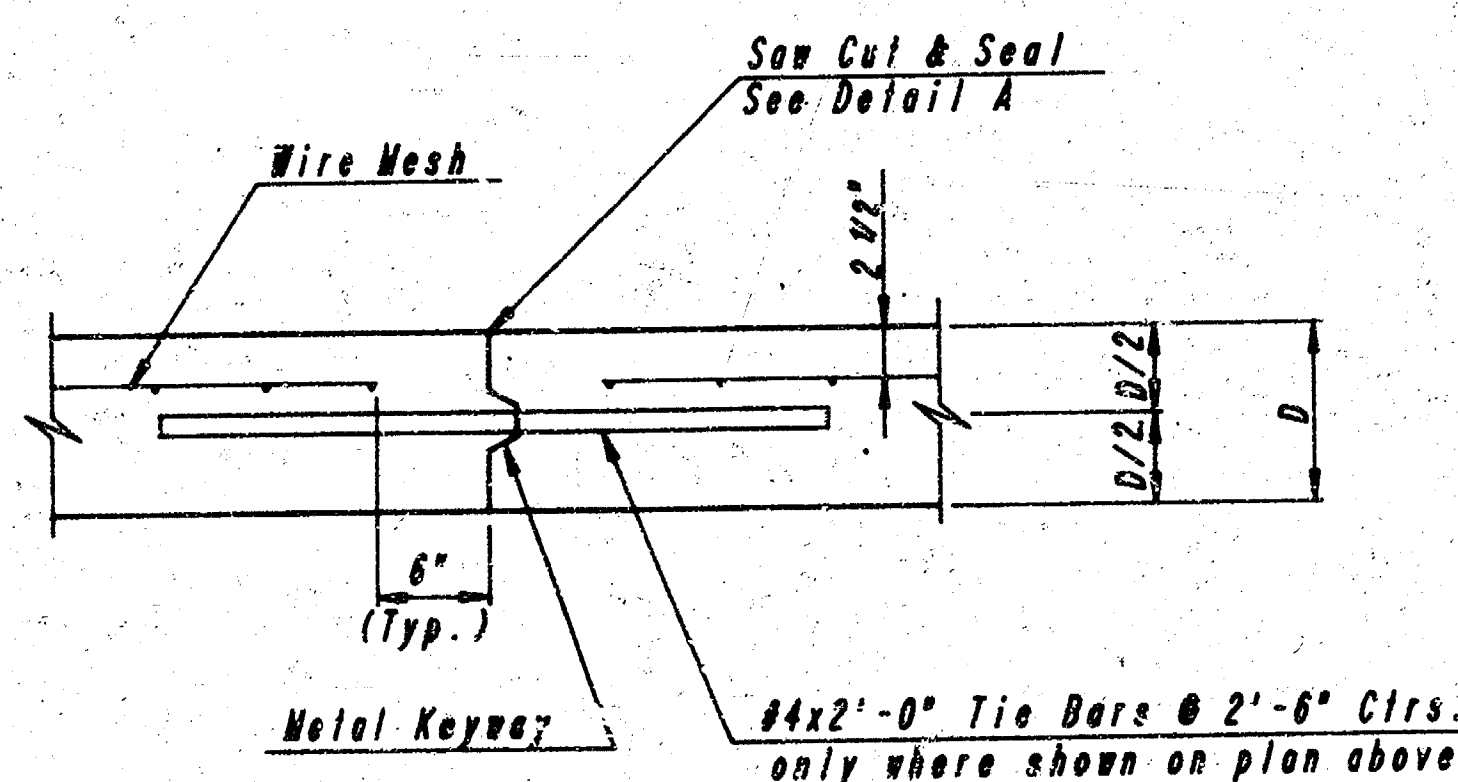


DETAIL B

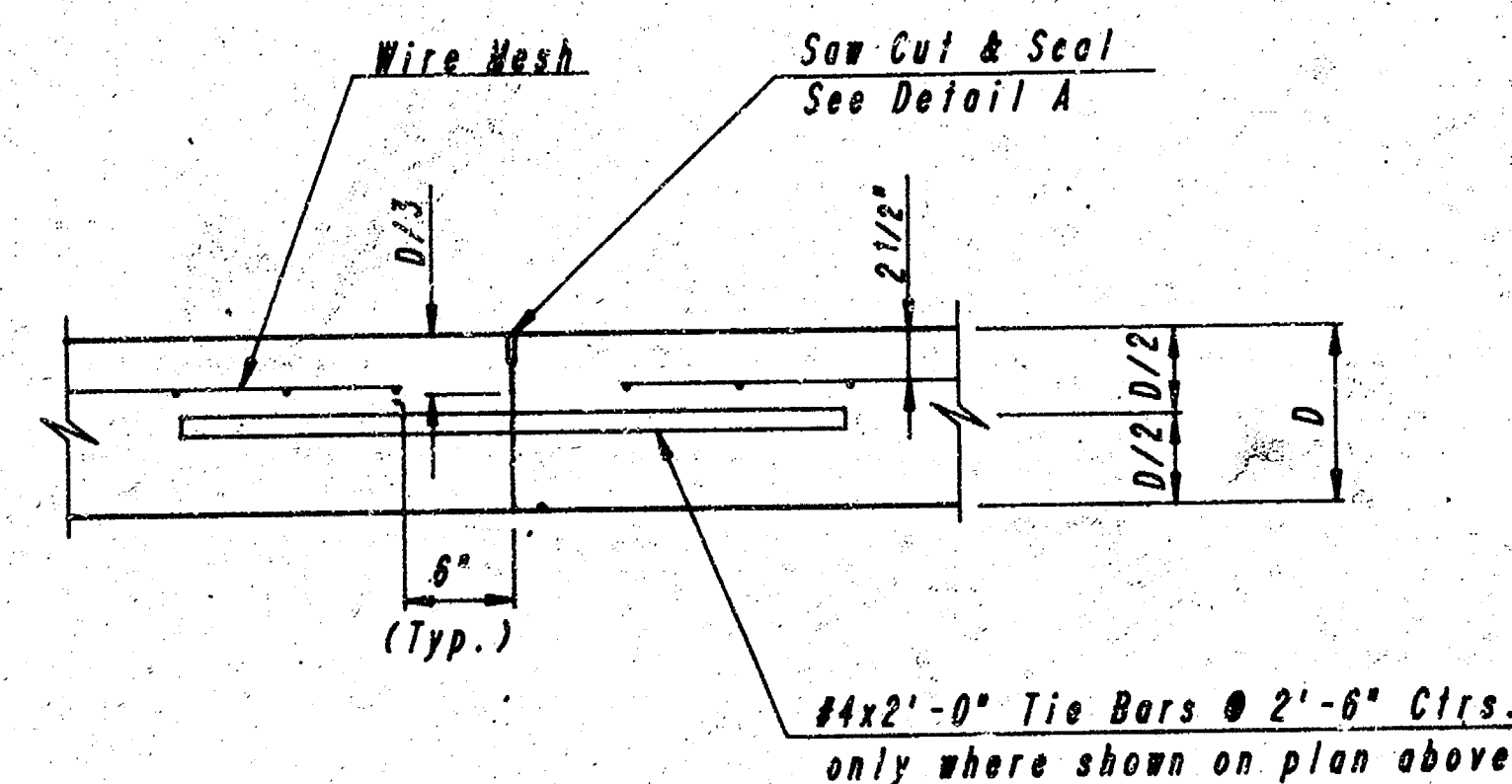


SECTION A-A

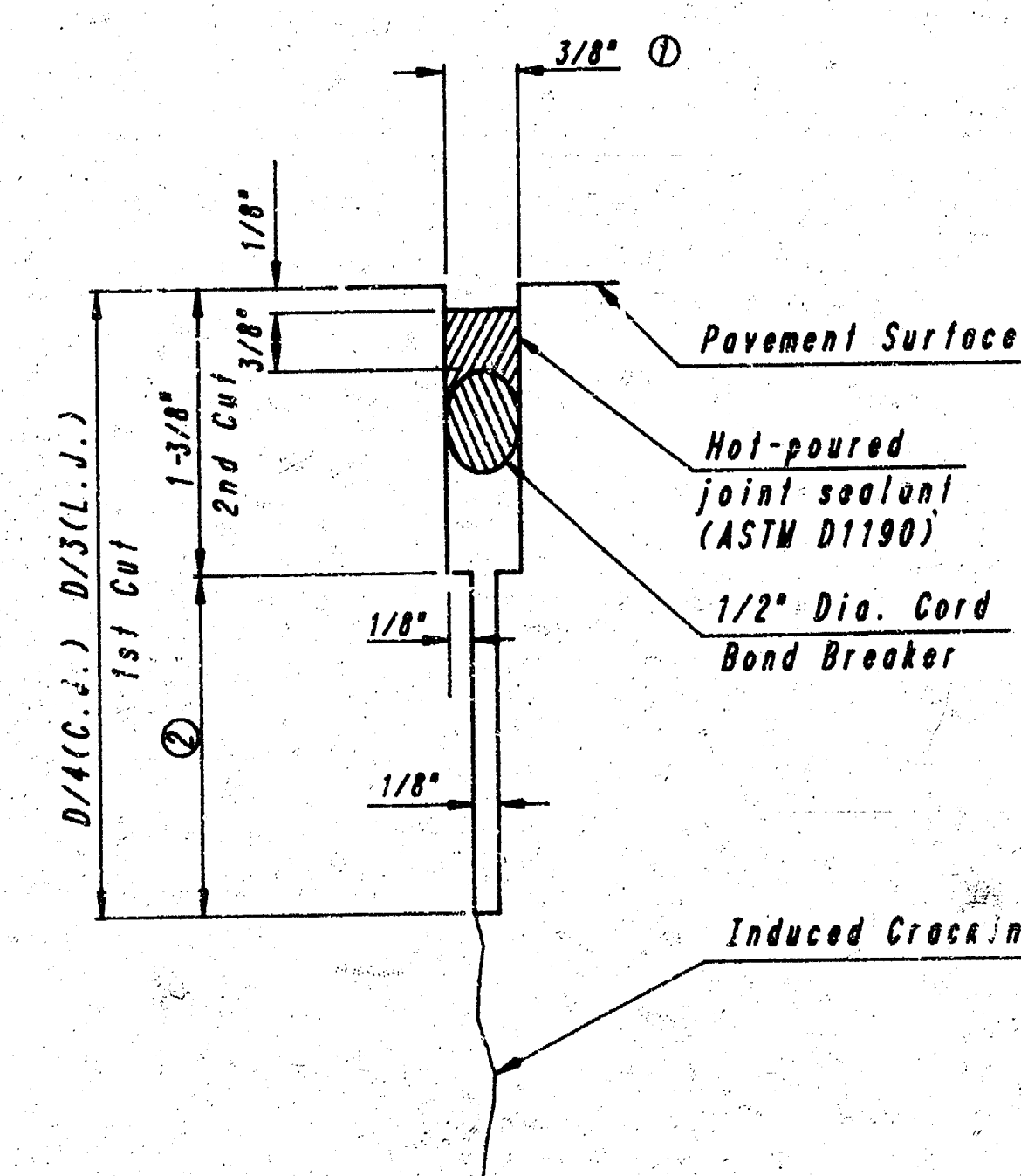
NOTE: OMIT REINFORCING MESH AT ALL JOINTS



LONGITUDINAL CONSTRUCTION JOINT DETAIL
REINFORCED PAVEMENT
(TRANSVERSE SECTION)
(ALTERNATE L.J.)

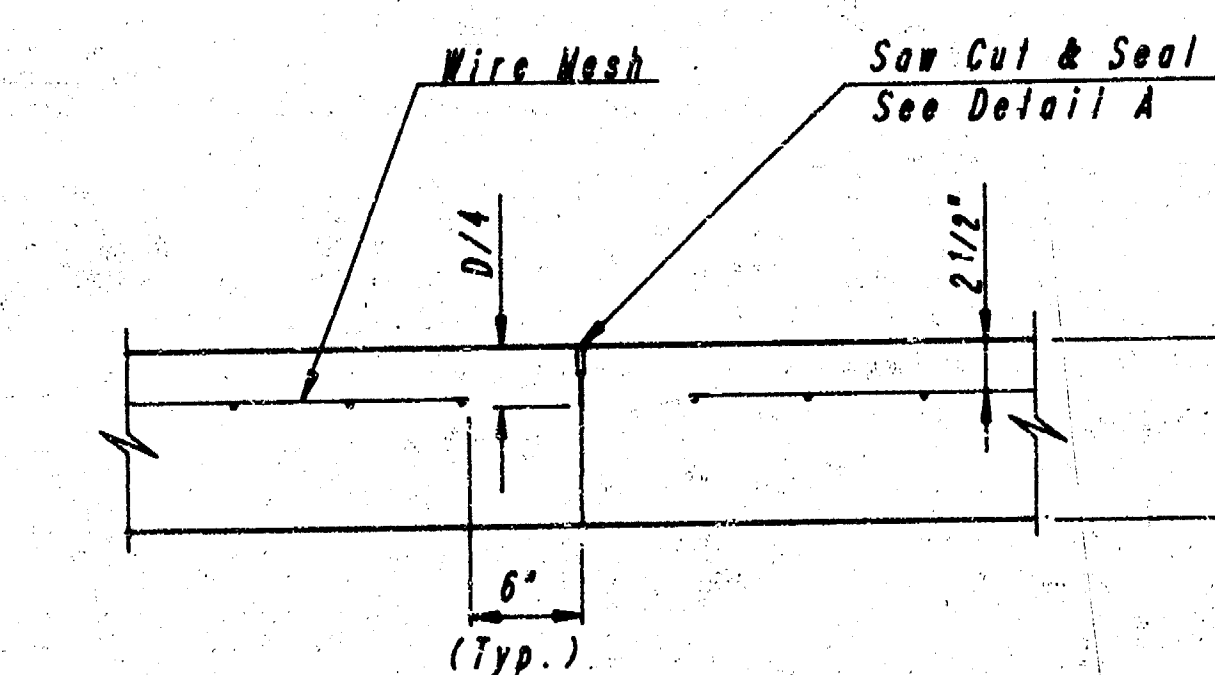


LONGITUDINAL JOINT DETAIL
REINFORCED PAVEMENT
(TRANSVERSE SECTION)
(L.J.)



DETAIL A

- To be accomplished in 2 cuts for Longitudinal Joints & Contraction Joints. Initial cut to be 1/8" wide.
- Eliminate bottom of cut when metal keyway is used as part of Longitudinal or Transverse Construction Joint and at Doweled Construction Joint Locations.



CONTRACTION JOINT DETAIL
REINFORCED PAVEMENT
(C.J.)

GOLDEN HILLS 5TH ADDITION			
VALLEY GUTTER AND MISCELLANEOUS PAVING DETAILS			
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.			
ENGINEERS WICHITA, KANSAS			
Designed by	CSB, BDB	Checked by	11
Drawn by	DEP	Date	MAR., 1988 Job No. 87555-1

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