

- GENERAL NOTES
- 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:
KANSAS ONE-CALL 687-2470
THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:
CABLEVISION 262-4270 OR 263-2061
KANSAS GAS SERVICE COMPANY 263-7511
KANSAS GAS & ELECTRIC 264-1141
KANSAS GAS COMPANY 942-8360 OR 263-8161
SOUTHWESTERN BELL TELEPHONE CO. 1-971-2611
CITY OF WICHITA WATER DEPARTMENT 268-6909
CITY OF WICHITA STREET MAINTENANCE 268-6071
 - CONTRACTOR WILL BE REQUIRED TO COORDINATE THE PAVING CONSTRUCTION WITH THE CONTRACTOR FOR THE CONVENTION SANITARY SEWER LINE PROJECT.
 - INTERURBAN TRAFFIC GENERATED OUTSIDE THE PROJECT AREA IS NOT TO BE CARRIED THROUGH CONSTRUCTION. LOCAL BUSINESS OR ANY OTHER TRAFFIC GENERATED WITHIN THE PROJECT AREA IS TO BE CARRIED THROUGH CONSTRUCTION AS FURTHER PRECIPITATED BY PROJECT SPECIAL PROVISIONS.
 - THE CONTRACTOR WILL BE PERMITTED TO BID ONLY ONE OF THE ALTERNATE TYPES OF SUBGRADE TREATMENT. THE TYPE TO BE USED BY THE SUCCESSFUL BIDDER WILL BE THE TYPE OF SUBGRADE TREATMENT USED TO CONSTRUCT THE PROJECT.
 - NOTE: 100% (9") SUBGRADE TREATMENT AS SHOWN ON PLANS MAY BE COMPLETED IN ONE LIFT IF CONTRACTOR USES ROTARY TILLERS WHICH HAVE CAPABILITIES FOR UNIFORM MIXING FOR 1/2 FULL DEPTH OF THE TREATMENT AND SPECIAL COMPACTOR EQUIPMENT CAPABLE OF COMPLETING THE 100% (9") LIFT TO THE REQUIRED DENSITY FOR THE FULL DEPTH. CONTRACTOR WILL BE REQUIRED TO ADD 1/2" SUBGRADE TREATMENT IF TWO (2) SEPARATE LIFT ONLY LABORATORY TESTS INDICATE REQUIRED MIXING AND COMPACTION IS NOT BEING ACHIEVED. ALL COSTS FOR THE SUBGRADE TREATMENT SHALL BE INCLUDED IN THE UNIT PRICE BID INTO THE STABILIZATION MATERIAL AND MANIPULATION.
 - NO MORE THAN 6 DRIVERS 135 FEET IN WIDTH, OR EQUIVALENT COMBINATIONS THEREOF, ARE TO BE CONSTRUCTED WITH THIS PROJECT.
 - DETERMINED ROUTES AND LOCATIONS SHOWN ON THE PLAN ARE TENTATIVE. CONTRACTOR WILL BE REQUIRED TO OBTAIN NECESSARY PERMITS AND REQUEST FROM STORM BY PROPERTY OWNER OR HIS AUTHORIZED REPRESENTATIVE VERIFYING SUCH DRIVEWAY WIDTHS AND LOCATIONS. SUCH FORMS SHALL BE SUBMITTED TO THE ENGINEER FOR HIS REVIEW AND APPROVAL.
 - MINOR CUTTER SECTION OF CORNERED CURB AND GUTTER AT INTERSECTIONS WILL NOT BE PAID FOR DIRECTLY, AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER CONTRACT PAY ITEMS OF WORK.
 - A SAW CUT OF AT LEAST ONE-HALF THE DEPTH OF EXISTING SURFACE COURSE OR ONE-FOURTH THE DEPTH OF THE EXISTING TOTAL PAVEMENT THICKNESS SHALL BE PROVIDED AT LOCATIONS WHERE PROPOSED CONSTRUCTION ADJACENT TO EXISTING SURFACE COURSE OR PAVEMENT FOR WHICH PARTIAL REMOVAL OF THAT SURFACE OR PAVEMENT IS REQUIRED. SAW CUTS SHALL 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.
 - LIMITS OF EARTHWORK SHALL MATCH EXISTING GROUND ELEVATIONS AT THE RIGHT-OF-WAY LINE UNLESS OTHERWISE NOTED ON THE PLANS WITH ALIGNED-GRADATION-AND-RESECTION-AND-A-TWO-TWO-TWO-ONE-ONE-ONE ELEVATION IS SHOWN, THE EARTHWORK SHALL EXTEND TO THE RIGHT-OF-WAY LINE AND THEN SLOPE UP TO THE EXISTING GROUND SURFACE.
 - THE CONTRACTOR SHALL ADJUST UNDER VALVE BOXES AND FIRE HYDRANTS AS DIRECTED BY THE ENGINEER AT THE PRICE BID FOR SAID ADJUSTMENTS. THE WATER DEPARTMENT SHALL FIELD LOCATE UNDER VALVE BOXES ONE THE DURING CONSTRUCTION WHEN REQUESTED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE SUCH FIELD LOCATIONS DURING THE CONSTRUCTION PROCESS. UNDER VALVE BOXES OR FIRE HYDRANTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
 - UTILITY SERVICE LINES, POLES, VALVE BOXES, METERS, AND SYSTEMS ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ALIGNMENT BY THE CONTRACTOR. THE CONTRACTOR SHALL 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 AVAILABLE FOR DESIGN. THE CONTRACTOR WILL BE REQUIRED TO MAKE AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT COMPLY WITH PROPOSED CONSTRUCTION. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORD LOCATIONS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
 - THE CITY OF WICHITA'S SEWER MAINTENANCE DIVISION OF THE DEPARTMENT OF WATER AND WASTE POLLUTION CONTROL HAS ADVISED SEWERS WITHIN THE LIMITS OF THE PROJECT AND HAVE FOUND NO DEFECTS REQUIRING REPAIR. THE DIVISION SHALL BE NOTIFIED AND ADVISED THE OPPORTUNITY TO RETEST/REPAIR SEWER LINES AFTER SURFACE MARK HAS BEEN COMPLETED AND PRIOR TO PAVING CONSTRUCTION TO DETERMINE IF SUCH SEWER LINES HAVE BEEN DAMAGED BY THE CONTRACTOR'S OPERATIONS. DAMAGED SEWER LINES WILL BE REPAIRED BY THE CONTRACTOR, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE. INSPECTION LOGS ARE AVAILABLE FOR INSPECTION BY THE CONTRACTOR DURING NORMAL OFFICE HOURS AT THE SEWER MAINTENANCE DIVISION'S OFFICE AT CITY HALL.
 - THE CONTRACTOR SHALL NOTIFY PIPELINE COMPANIES AT LEAST 24 HOURS IN ADVANCE OF ANY WORK BEING PERFORMED ACROSS ANY/OR ADJACENT TO PIPELINES.
 - HAZARDOUS WITHIN THE LIMITS OF THE PROJECT SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AS APPROVED BY THE ENGINEER. THE CONTRACTOR WILL BE REQUIRED TO MAKE SATISFACTORY PROVISIONS FOR MAIL DELIVERY TO PROPERTIES AFFECTED BY THIS PROJECT DURING ITS CONSTRUCTION.
 - 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.
 - ALL ENTRANCE AND CROSS ROAD PIPE WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS. REMOVAL OF SUCH PIPES SHALL CONFORM TO THE APPLICABLE SECTION OF THE STANDARD SPECIFICATIONS.
 - MATERIAL FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE HAULLED SHALL BE DISPOSED OF ON SITES AS PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, AVAILABILITY AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNDESIRABLE APPEARANCE WILL NOT BE APPROVED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY LINES. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY LINES WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH LINES SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.
 - CONTRACTOR SHALL GIVE PROPERTY OWNERS ADJUTING THIS PROJECT, ONCE LINES WILL BE LAYED THAT THE NEW FINISHED GRADE ELEVATIONS AT THE RIGHT-OF-WAY LINE, AN OPPORTUNITY TO UTILIZE EXCESS EXCAVATED MATERIAL FROM THE PROJECT TO REGRADE THEIR YARD TO GRADE TO THE NEW PAVEMENT. CONTRACTOR WILL BE REQUIRED TO DUMP AND SPREAD THE EXCESS MATERIAL AS REQUIRED BY THE SPECIFICATIONS WHEN PROVIDED BY THE PROPERTY OWNER. THE CONTRACTOR SHALL ASSURE THAT A DIRT COVER PULP HAS BEEN PROPERLY EXECUTED BY THE PROPERTY OWNER BEFORE ANY SUCH EXCESS MATERIAL IS DELIVERED TO SUCH PROPERTIES.
 - THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY ADJUTING THE PROJECT LIMITS A MINIMUM OF TEN (10) DAYS ADVANCE NOTICE PRIOR TO START OF CONSTRUCTION.

STREET IMPROVEMENTS

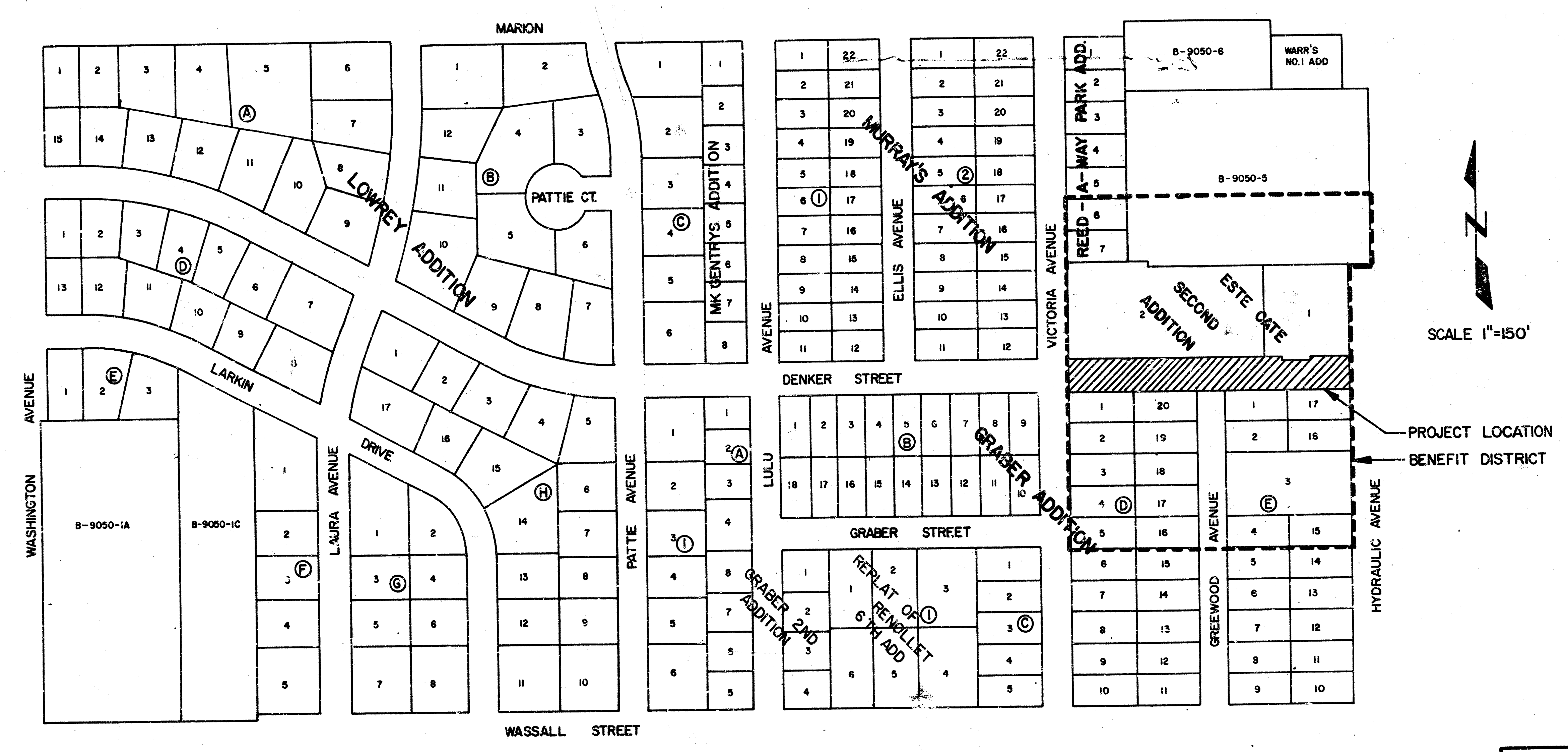
DENKER STREET

FROM THE EAST LINE OF VICTORIA TO THE
WEST CURB LINE OF HYDRAULIC

PROJECT NO. 472-76-245-81982-000-000-001

INDEX CODE 760322

CITY OF WICHITA, KANSAS
MICHAEL E LINDEBAK CITY ENGINEER
APRIL 1990

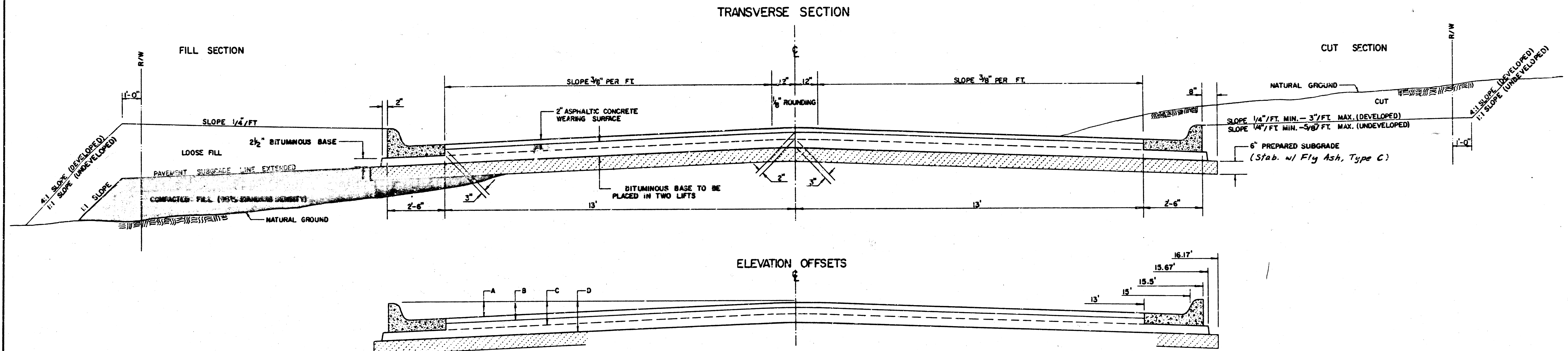


DRAWING INDEX	
SHEET	TITLE
1	MAP AND BENEFIT DISTRICT
2	TYPICAL PAVEMENT DETAILS
3	PLAN DENKER STREET
4	VALLEY GUTTER DETAILS
5	STANDARD DRIVE ENTRANCES
6	DETAIL STANDARD TYPE I CURB INLET
7	CROSS SECTIONS

WICHITA, KANSAS	
STREET IMPROVEMENTS	
MAP AND BENEFIT DISTRICT	
DENKER STREET	
PROJECT NO. 472-76-245-81982-000-000-001	
CASTLE & ASSOCIATES ENGINEERS WICHITA, KANSAS	DWG. FILE NO. 9016 - D - 80,092
DATE APRIL 1990	SHEET NO. 1 OF 7

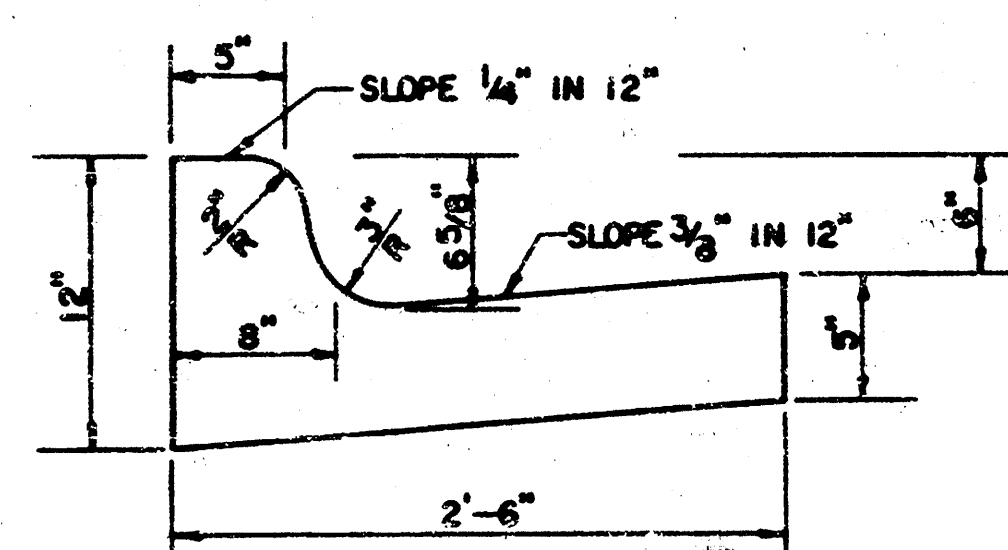
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TYPICAL 31' PAVEMENT DETAILS

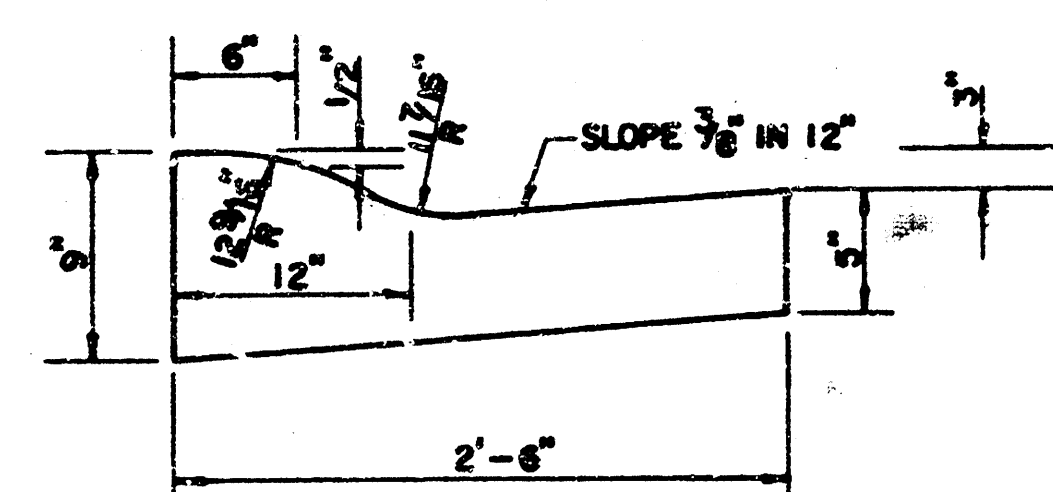


	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7.5'	10'	12'	13'	15'	15.5'	15.67'	16.17'
A. TOP OF CURBS TO TOP OF SURFACE LIFT	0.10	0.14	0.21	0.27	0.32	0.39	0.46	0.49	—	—	—	—
B. TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.27	0.31	0.38	0.44	0.49	0.56	0.63	0.66	—	—	—	—
C. TOP OF CURBS TO TOP 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



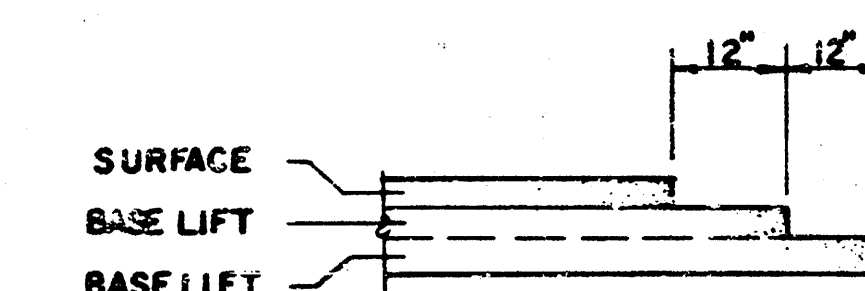
ROLL TYPE COMBINED CURB & GUTTER



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 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 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

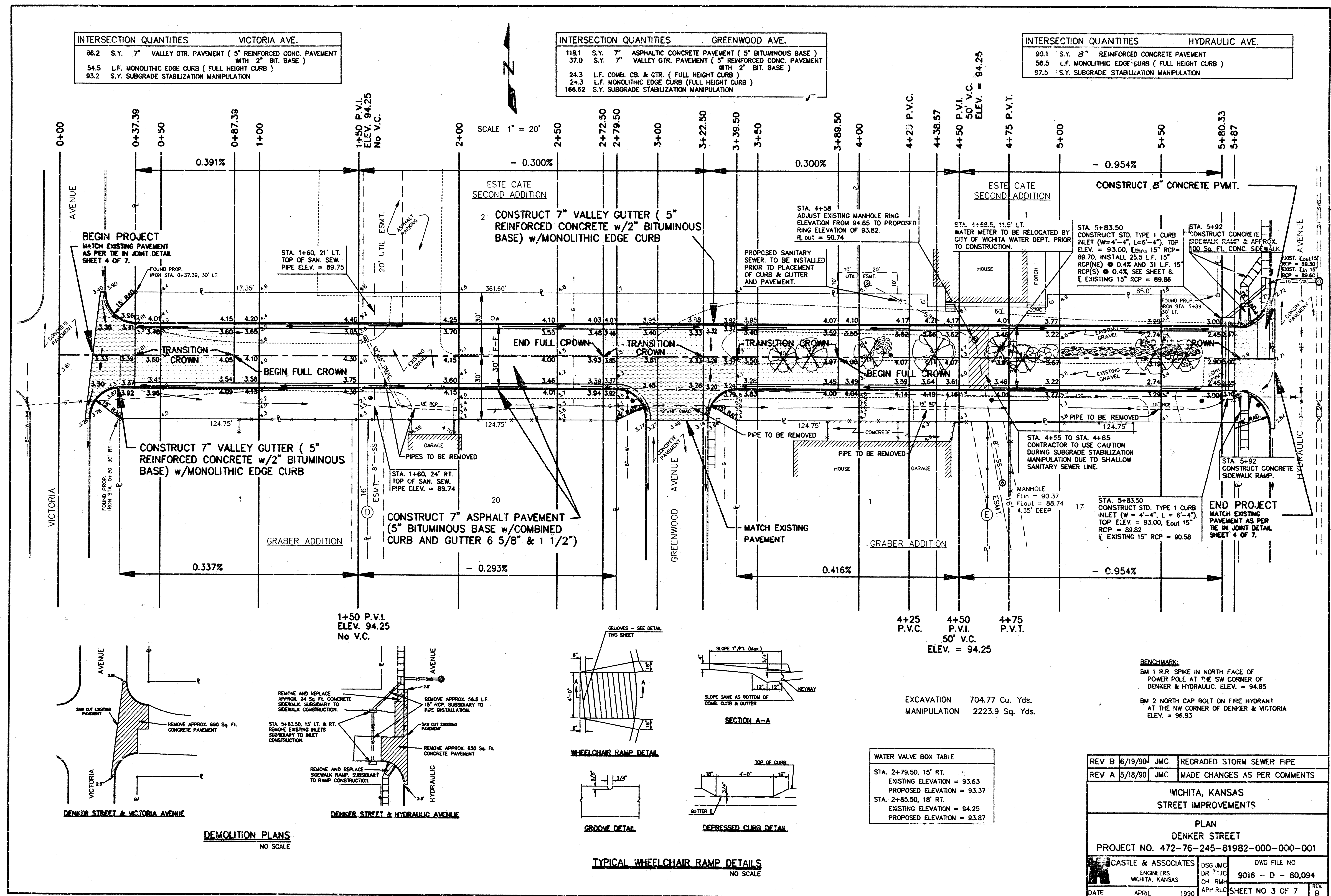
7 INCH RESIDENTIAL ASPHALTIC CONCRETE
PAVEMENT WITH 5 INCH BITUMINOUS BASE
CITY OF WICHITA, KANSAS
9046-D-80,033 PROJECT NUMBER SHEET NO. 2 OF 7
472-76-245-81982-000-000-001

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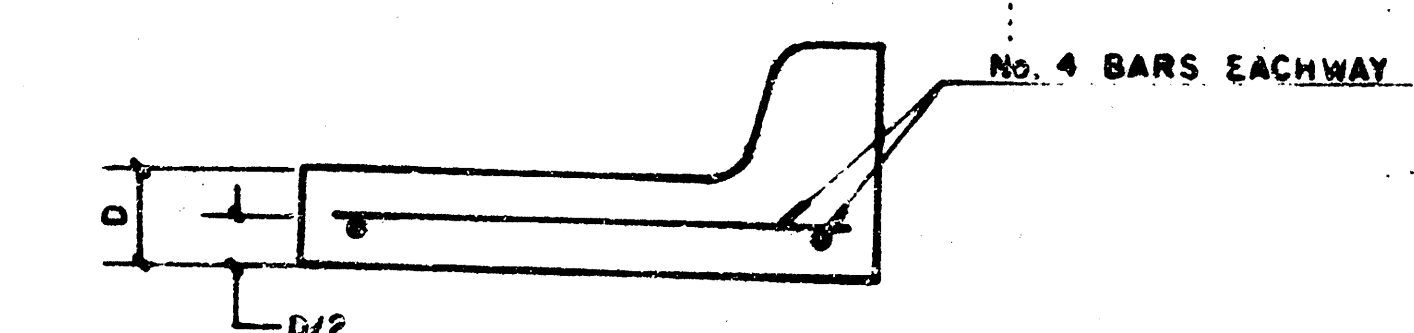
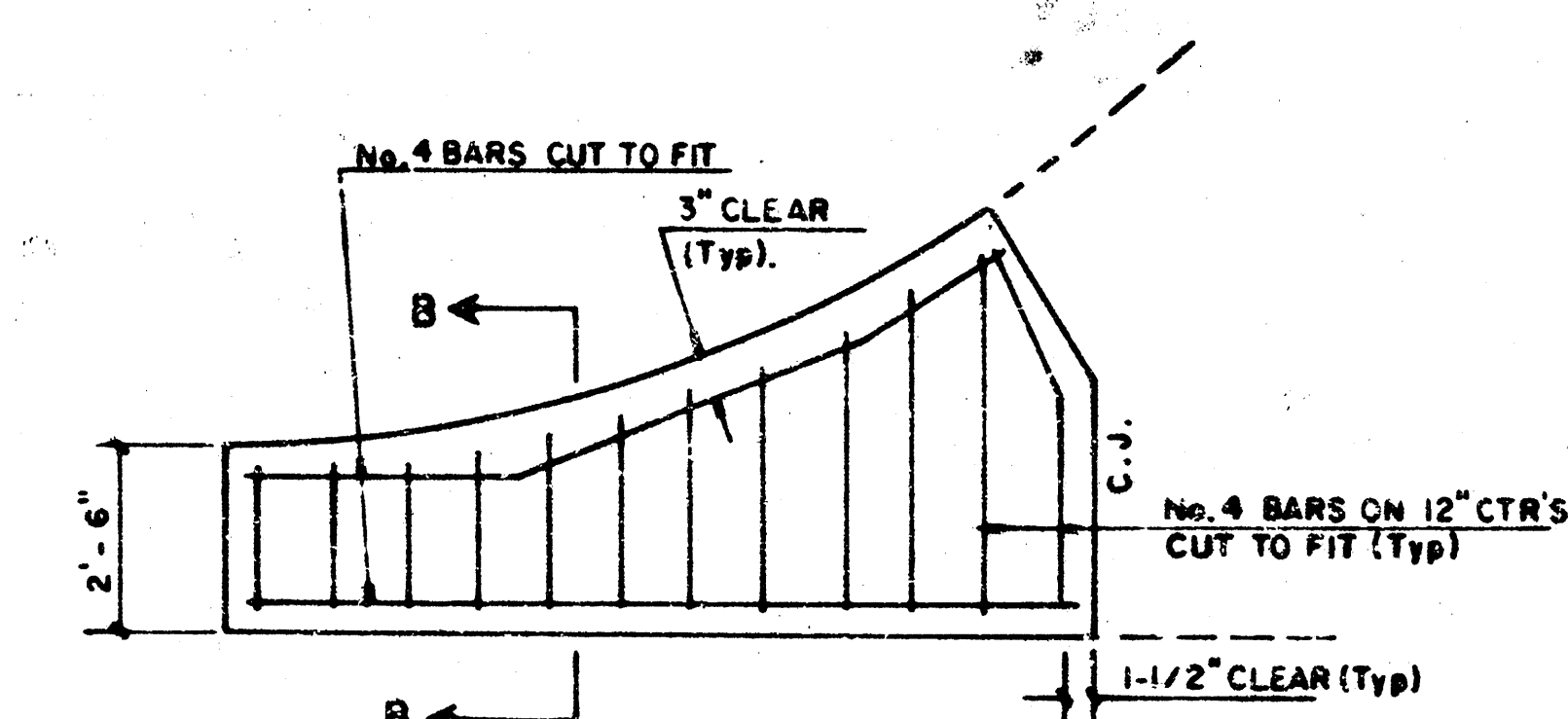
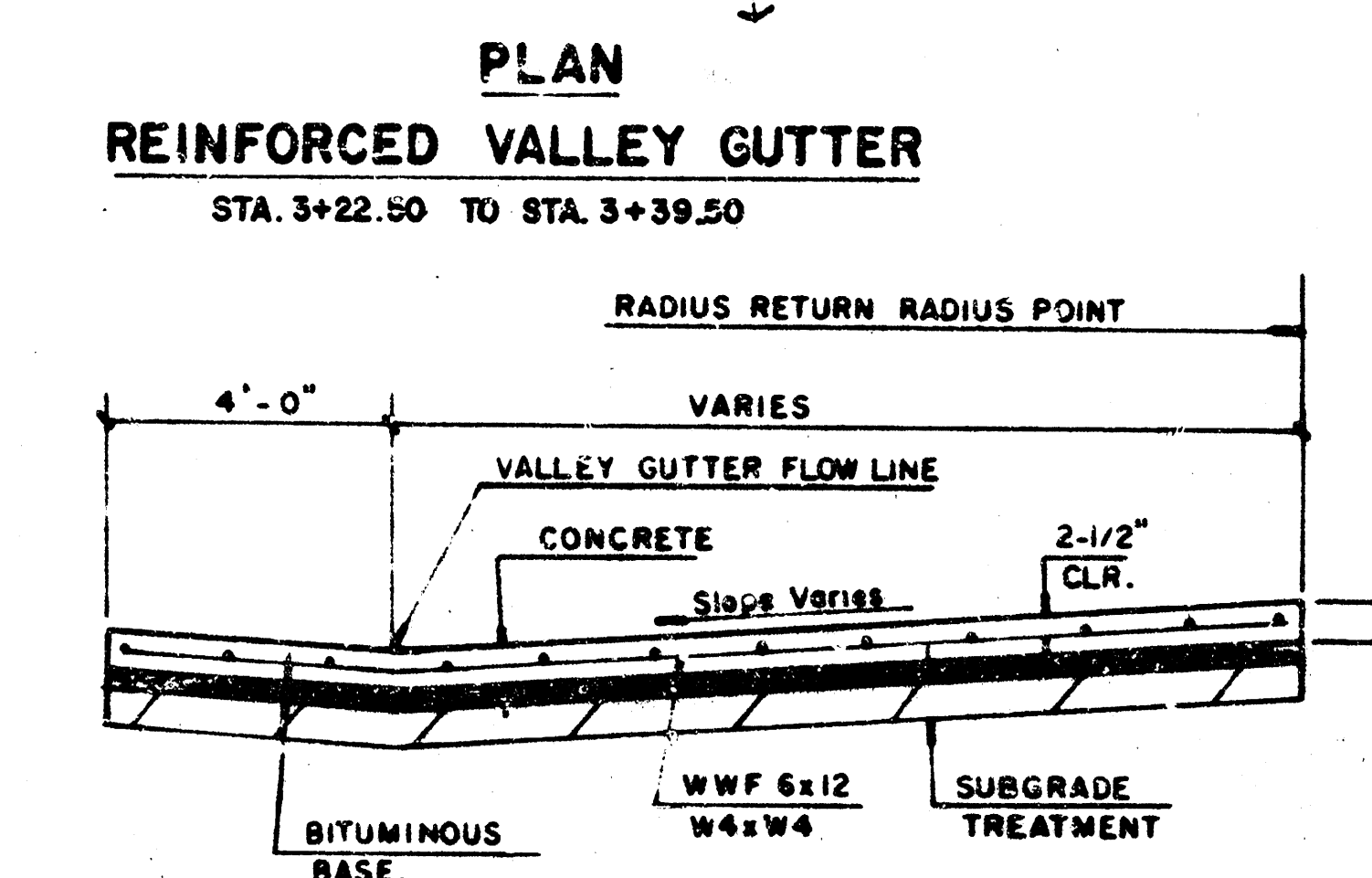
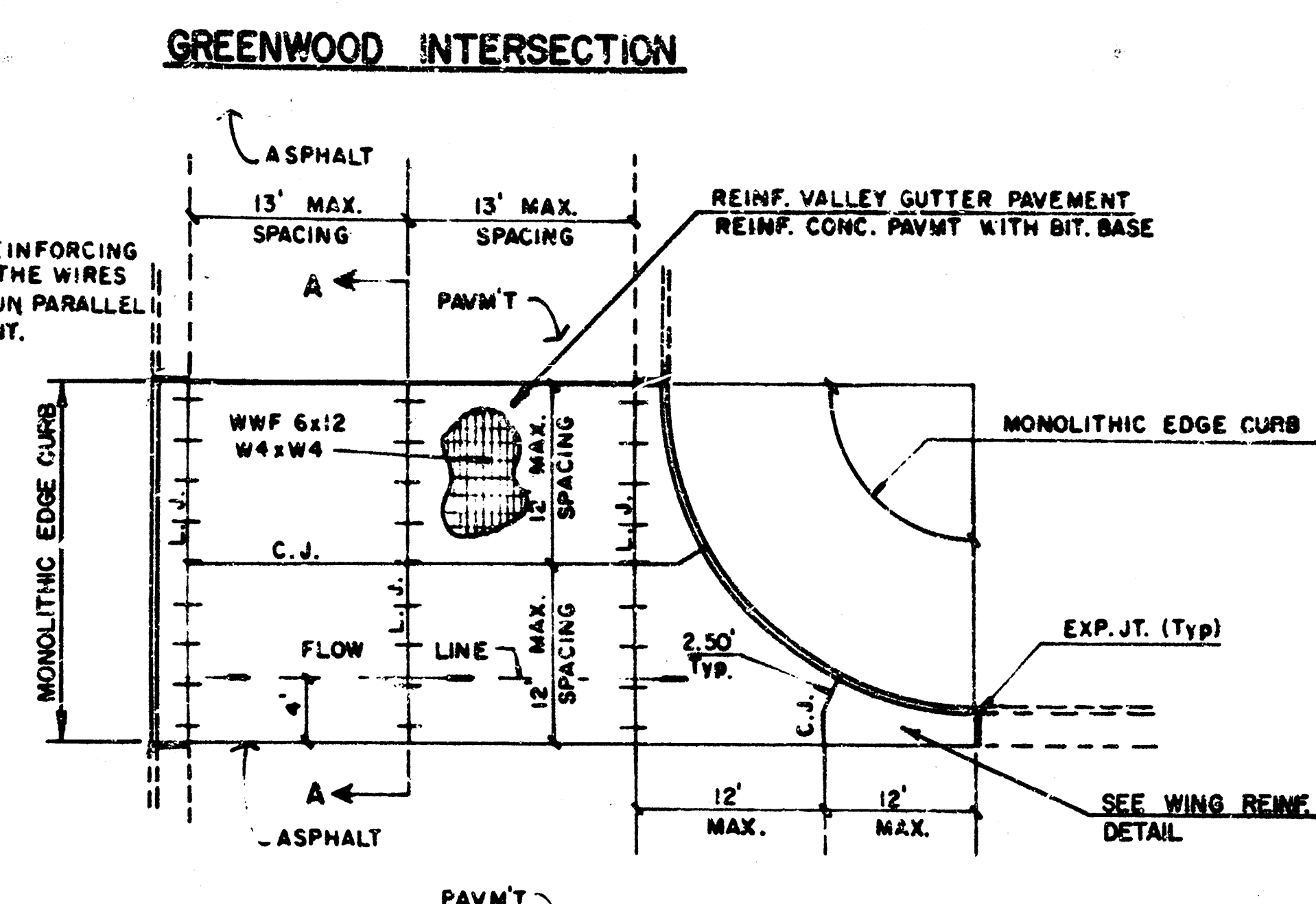
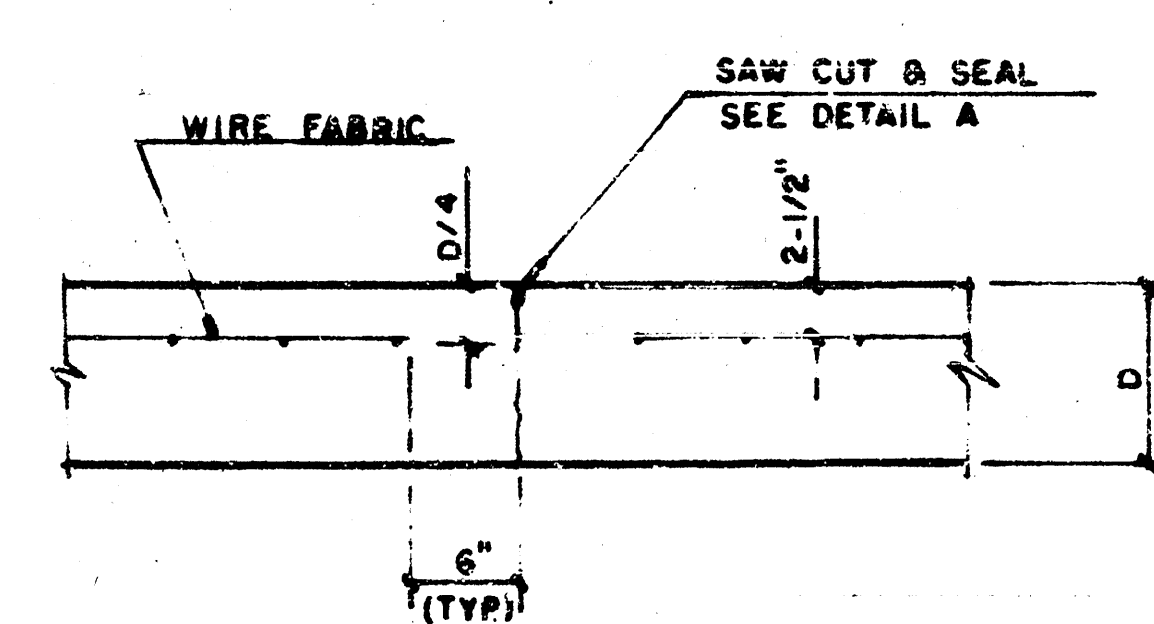
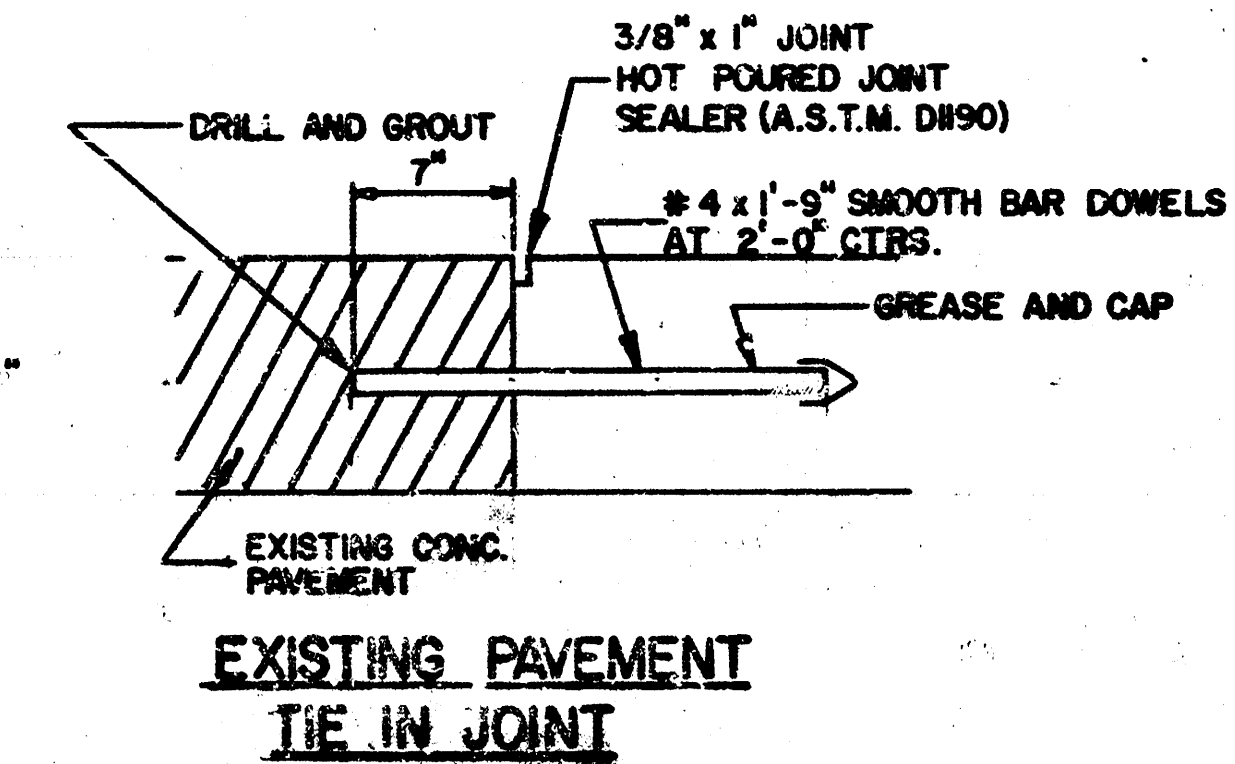
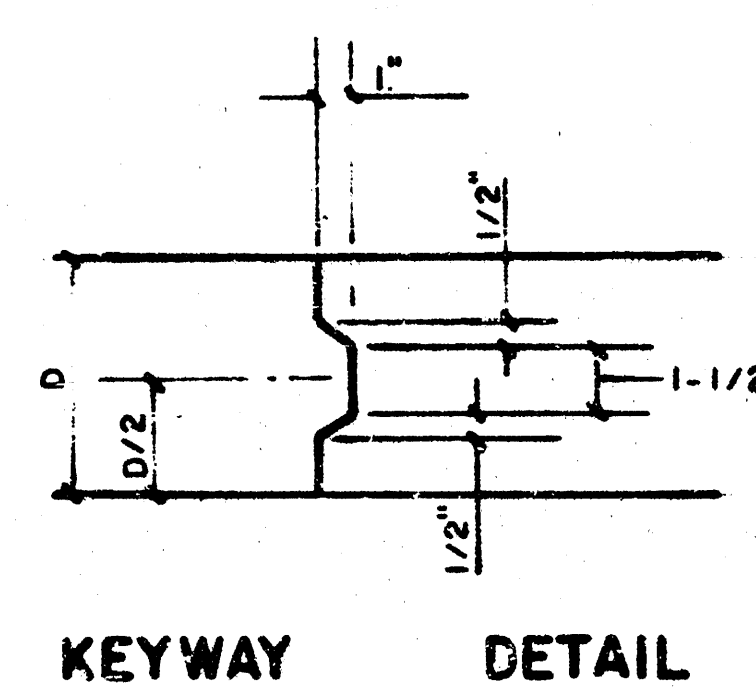
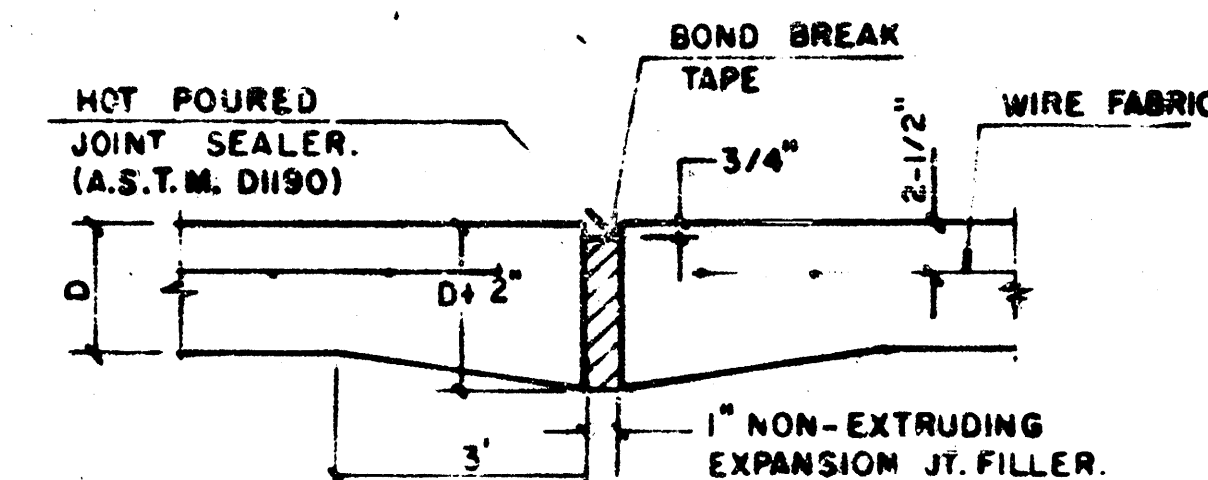
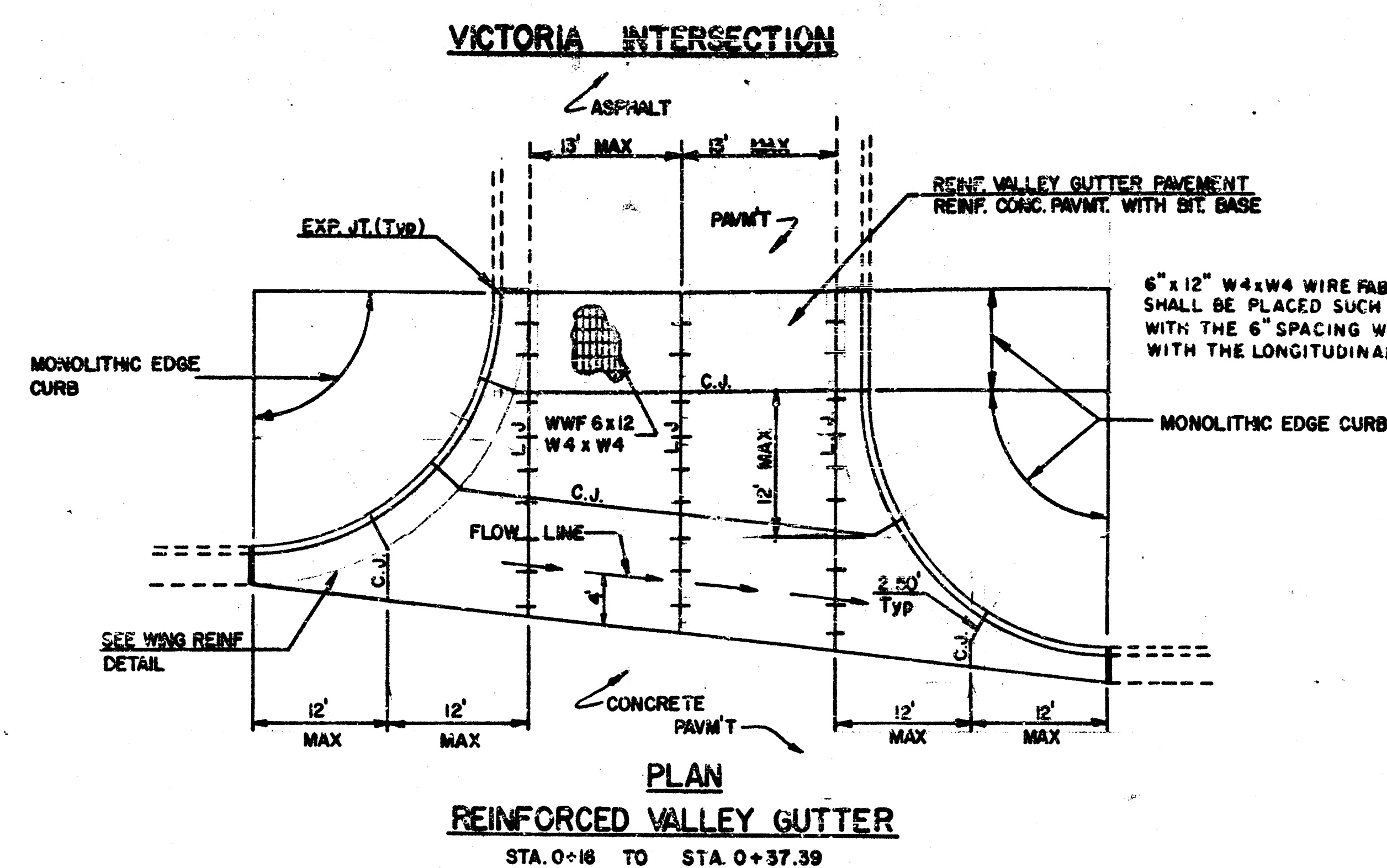
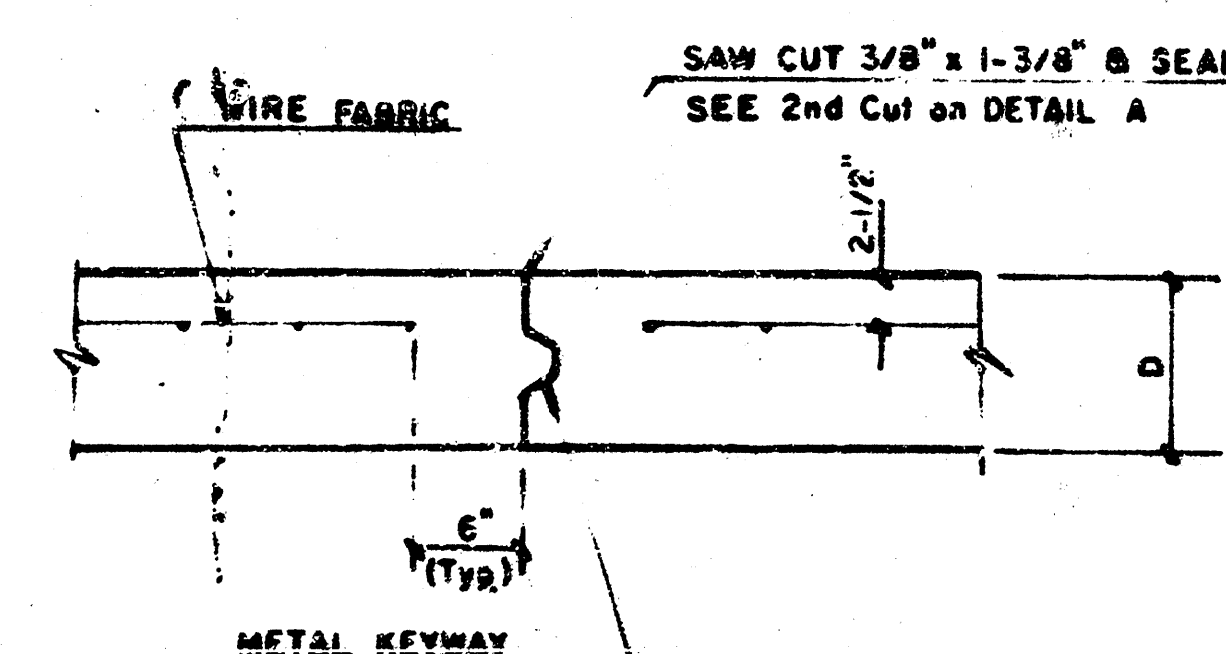
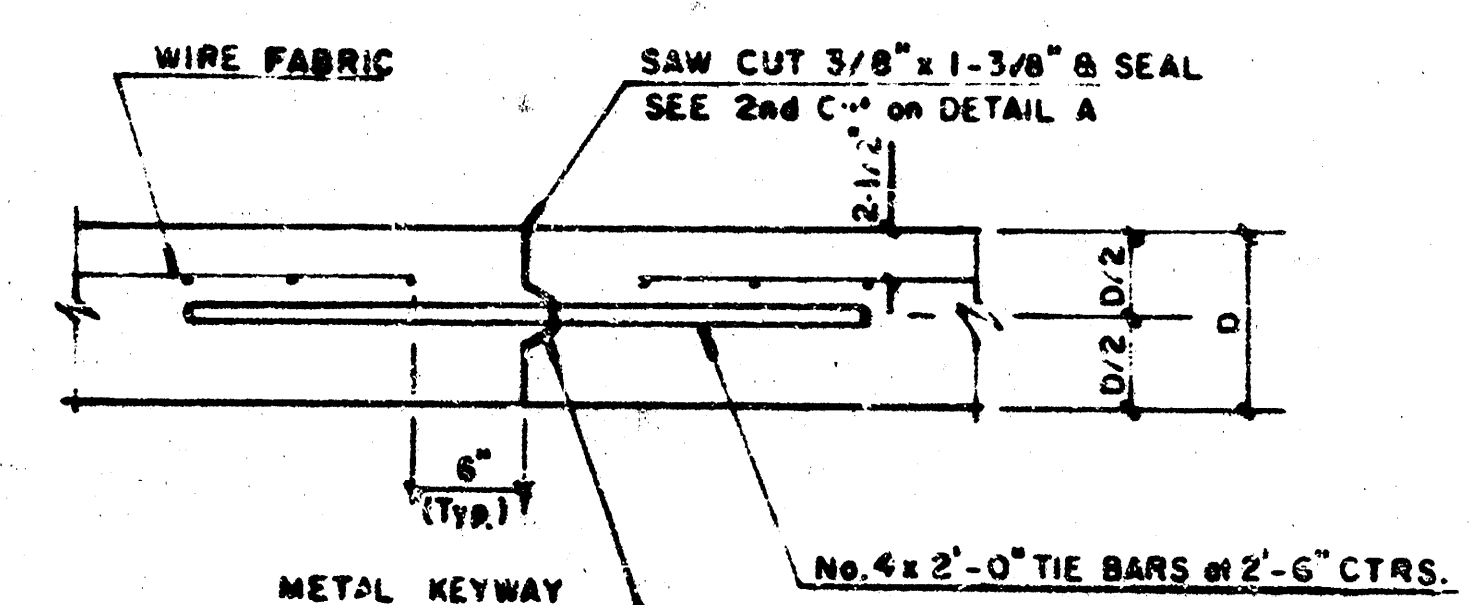
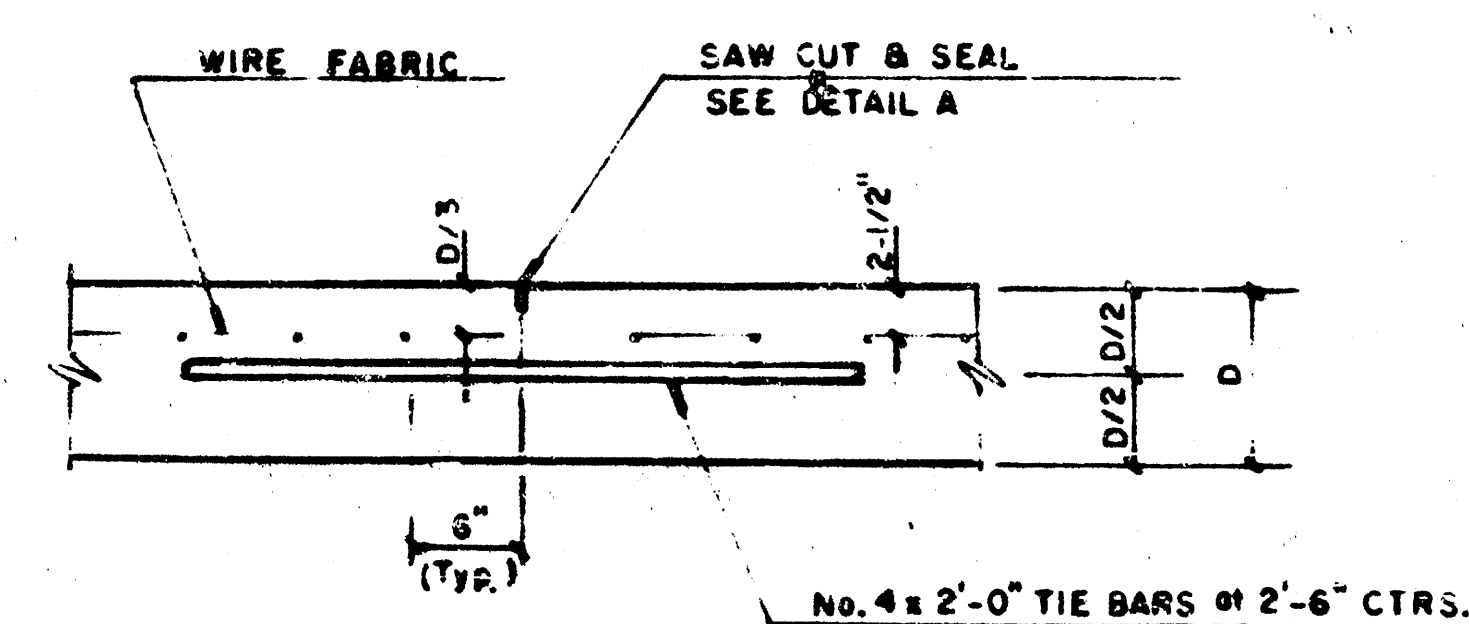
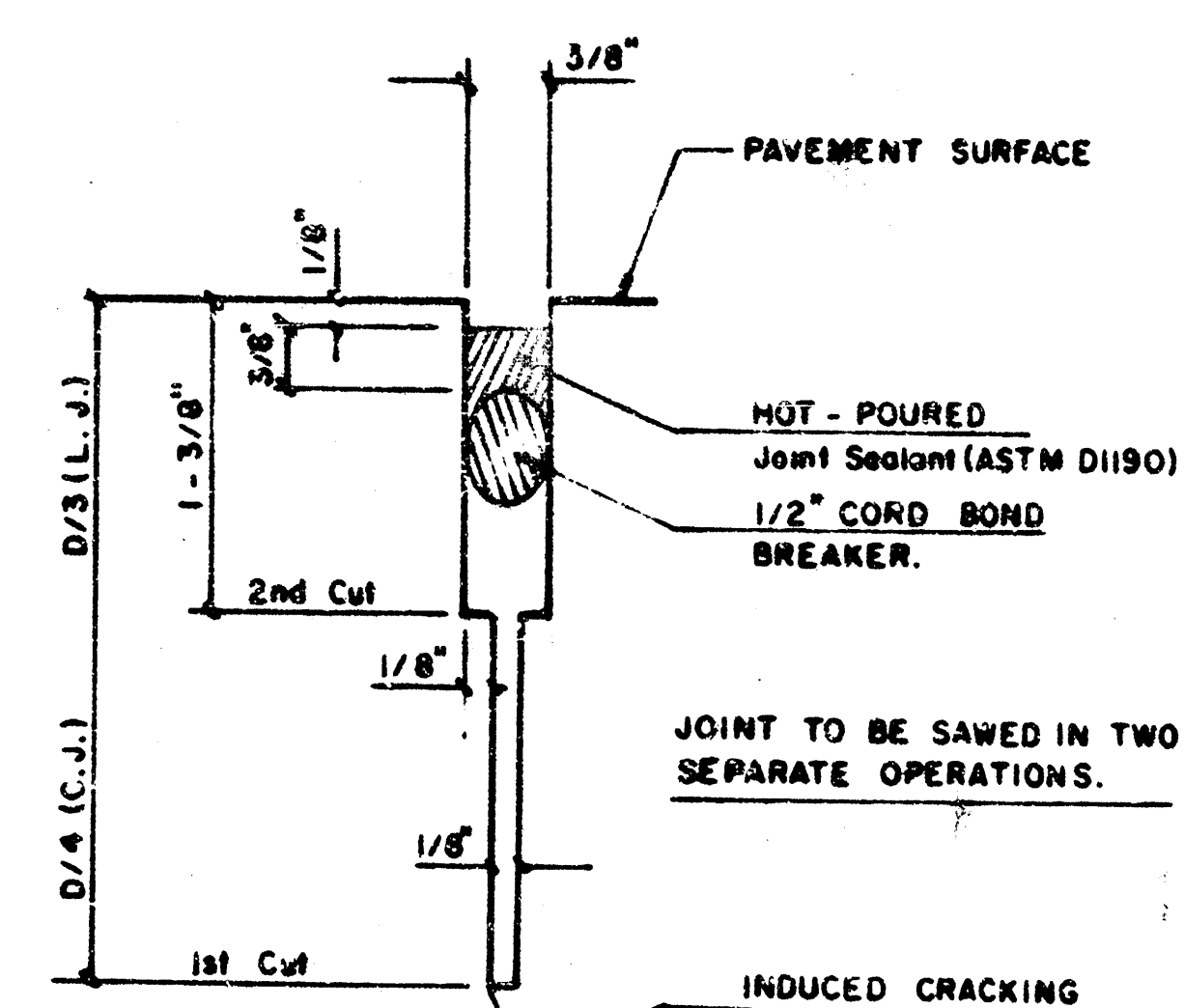
SURVEYOR: DARYL REEVES
DRAFTSMAN (CAD OPERATOR): JOHN COGAN
EARTH PLOTTER: LEON KNABE

BENCHMARK CIRCUIT (1 PAGE)
CROSS - SECTIONS (3 PAGES)
TOPOGRAPHY (3 PAGES)
UTILITY LOCATIONS (2 PAGES)

FIELD NOTES: 9016



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LEGEND

C.J. IDENTIFIES CONSTRUCTION JOINT

L.J. IDENTIFIES LONGITUDINAL JOINT

NOTE:
ALL CONCRETE VALLEY GUTTER REINFORCEMENT SHALL
BE ADEQUATELY SUPPORTED BY BAR CHAIRS IN THE REQUIRED
POSITION UNLESS APPROVED OTHERWISE BY THE ENGINEER

REVISED BY C&A APRIL 1990
9016-D-80,099

SHEET NO. 4 OF 7

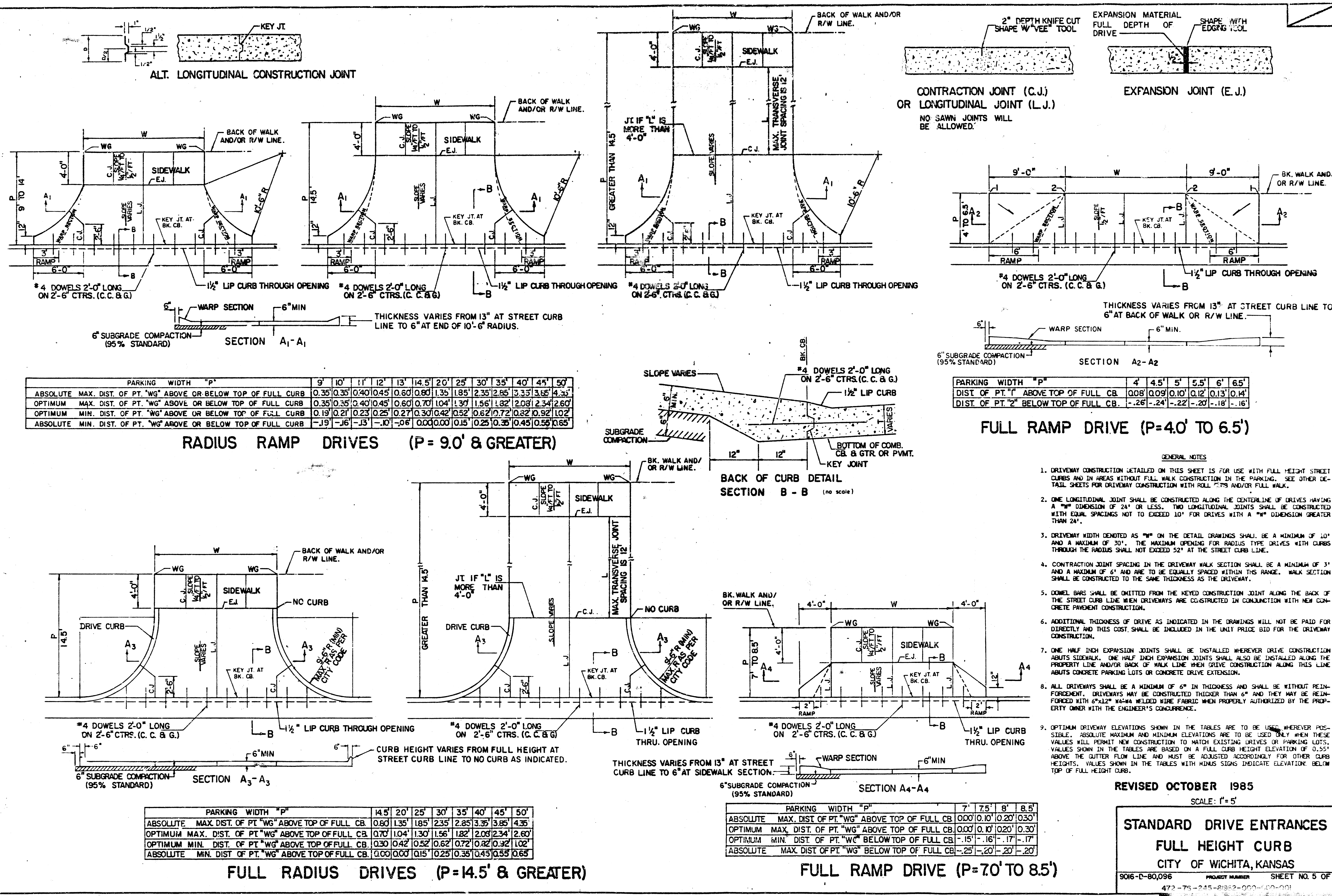
PROJECT DESCRIPTION

**VALLEY GUTTER
DETAILS**

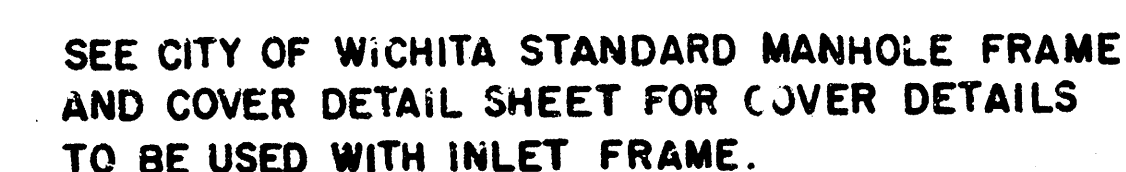
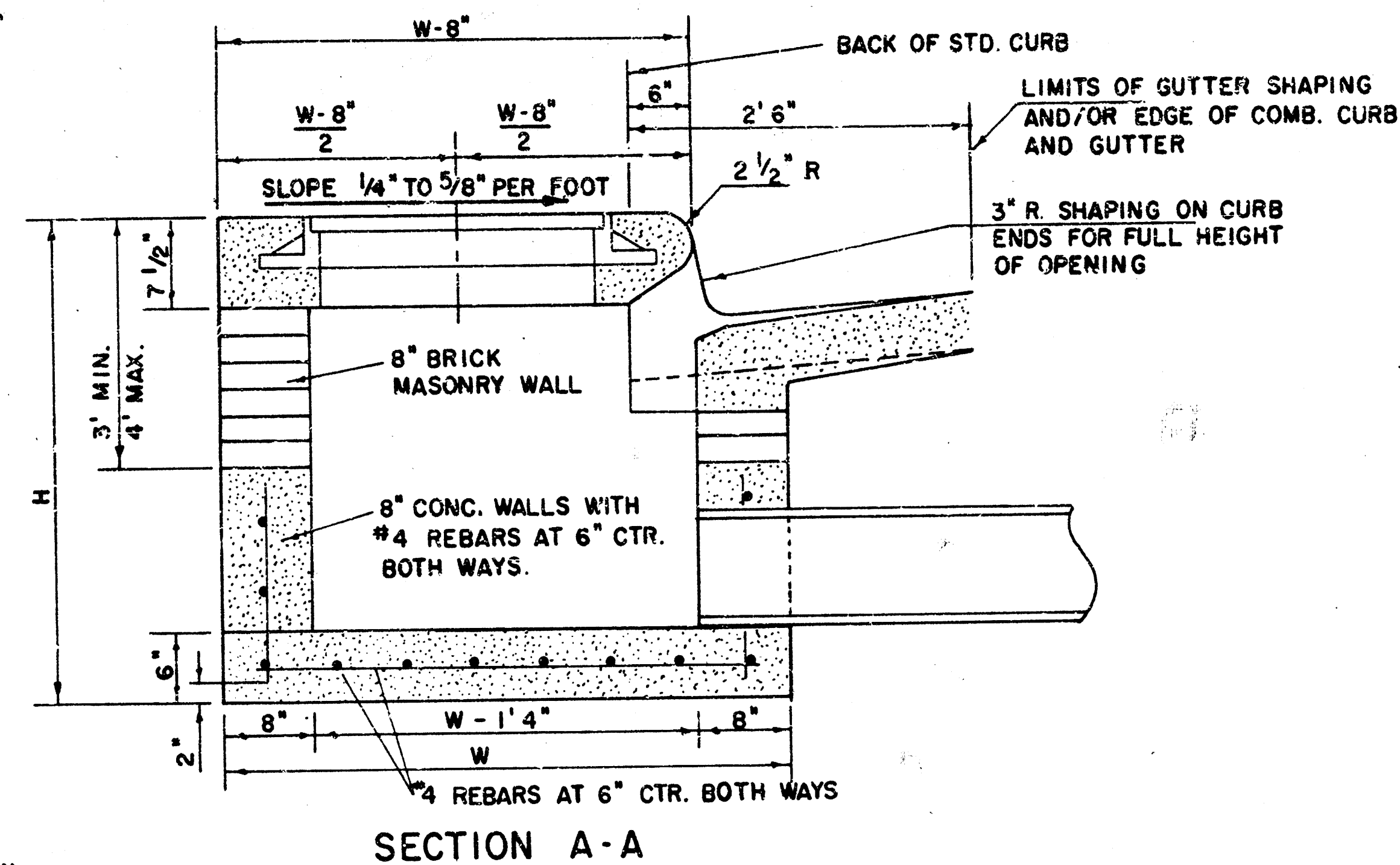
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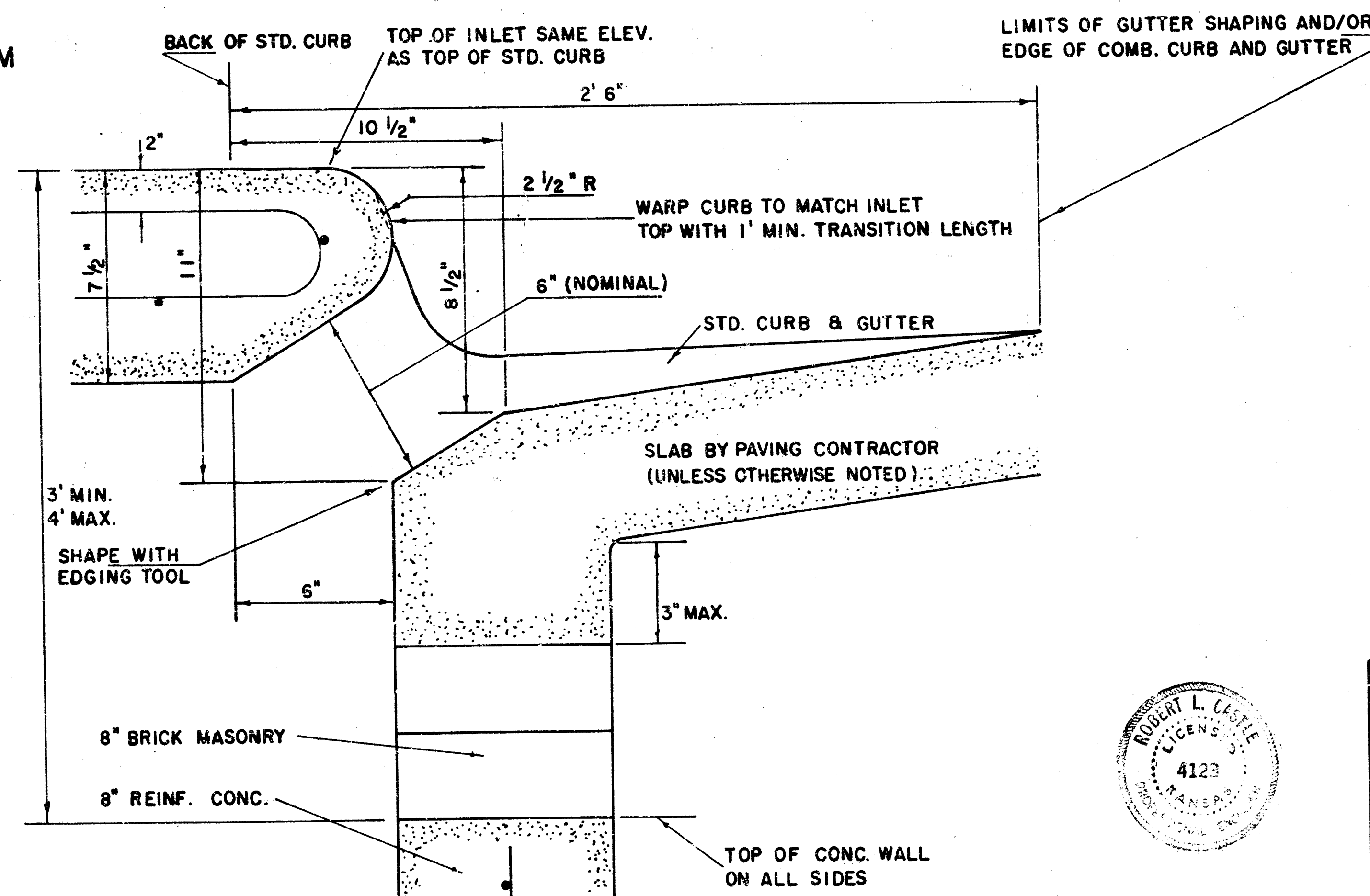


STANDARD CURB INLET PRECAST TOPS					
W	PRE-CAST TOP SIZE			PIPE SIZE	CU. YD. CONC.
4' 4"	3' 8"	5' 4"	7 1/2"	21" & SMALLER	0.38 ±
5' 4"	4' 8"	6' 4"	7 1/2"	24" & 30"	0.51 ±
6' 4"	5' 8"	6' 4"	7 1/2"	36" & 42"	0.64 ±
7' 4"	6' 8"	6' 4"	7 1/2"	48" & 54"	0.77 ±
8' 4"	7' 8"	6' 4"	7 1/2"	60" & 66"	0.90 ±

$a_1 \text{ bar} = W - 2"$
 $a_2 \text{ bar} = W - 15"$
 $1 \frac{1}{2}" R$

INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

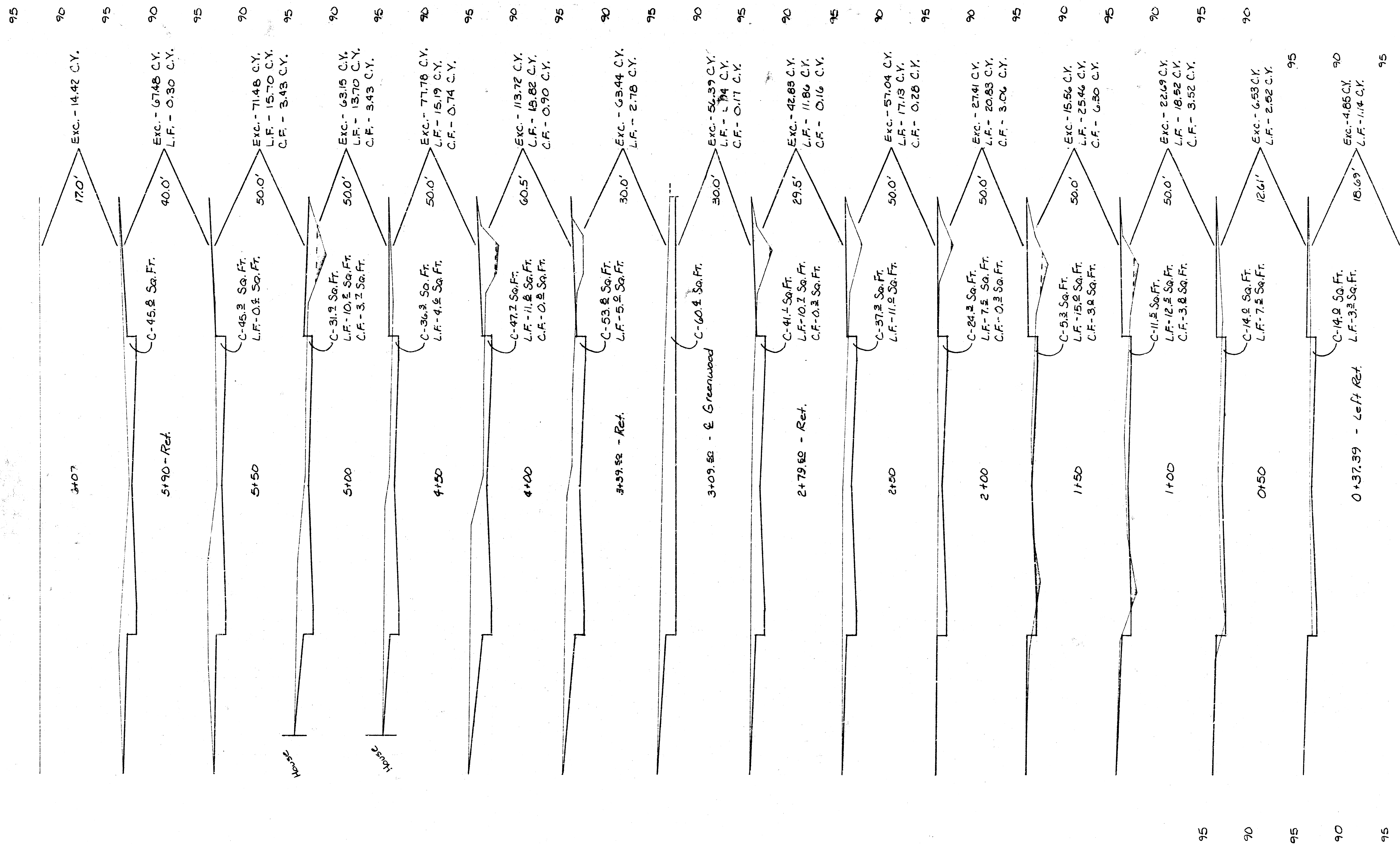
SECTION B-B



SHEET NO 6 OF 7

9016-D-8C.097

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TOTALS
 Exc. - 704.77 C.Y.
 L.F. - 169.89 C.Y.
 C.F. - 21.99 C.Y.

0+18.7 (SKEW)

WICHITA, KANSAS STREET IMPROVEMENTS			
CROSS SECTIONS DENKER STREET			
PROJECT NO. 472-76-245-81982-000-000-001			
CASTLE & ASSOCIATES ENGINEERS WICHITA, KANSAS	DSG LJK DR LJK CH	DWG FILE NO 9616-D-80,098	7
	DATE APRIL 1990	APP	

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