

PAVING PLANS FOR TEAL COVE THIRD

**OAKMOUNT: FROM THE WEST LINE OF LOT 16, BLOCK 1,
TO THE WEST LINE OF RUSHWOOD**
**CRANBERRY: FROM THE WEST LINE OF LOT 16, BLOCK 1,
TO THE WEST LINE OF RUSHWOOD**

PROJECT NO. 472-81941

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, CITY ENGINEER

INDEX NO. 760879

GENERAL NOTES

- UNLESS SHOWN OR STATED OTHERWISE ON THESE DRAWINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF WICHITA CONCRETE PAVEMENT AND ASPHALTIC CONCRETE PAVEMENT SPECIFICATIONS.
- 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.
- EXISTING UTILITIES AND THEIR LOCATIONS, 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 PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY- EIGHT (48) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

KANSAS ONE-CALL 1-800-344-7233
OR 687-2470 (LOCAL WICHITA)

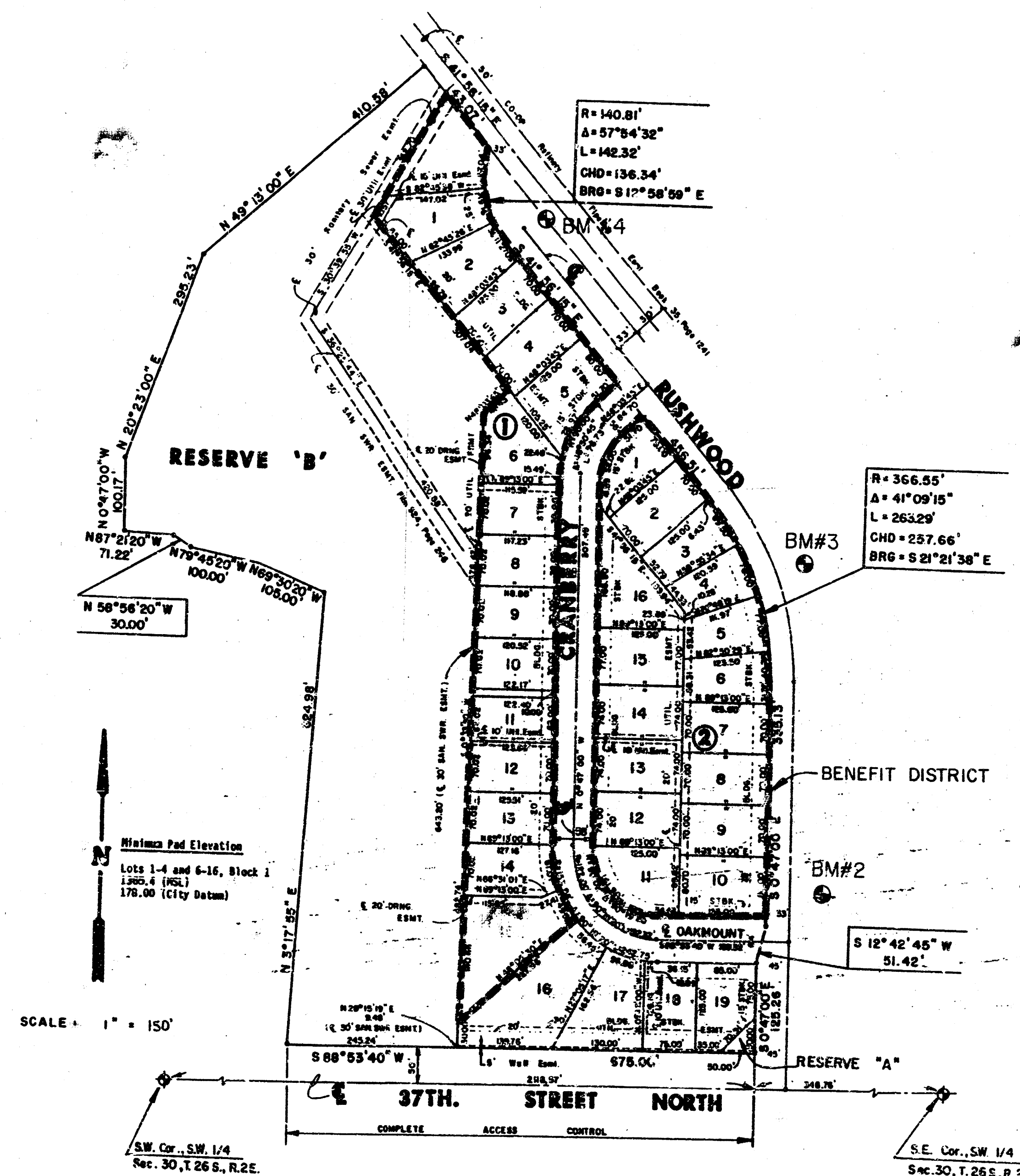
THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:

SOUTHWESTERN BELL TELEPHONE COMPANY	1-571-2115
CABLEVISION	262-4270 OR 263-2061
KPL GAS SERVICE COMPANY	263-7511
KANSAS GAS & ELECTRIC	264-1141
CITY OF WICHITA WATER DEPARTMENT	268-4808
CITY OF WICHITA SEWER MAINTENANCE	268-4808
ARKLA GAS COMPANY	942-8350 OR 263-8161

- 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.
- THIS PROJECT INCLUDES A CERTAIN AMOUNT OF FULL TYPE CURB CONSTRUCTION. FULL CURBS SHALL BE DEPRESSED THROUGH ALL DRIVEWAY OPENINGS WHEN SUCH DRIVES ARE CONSTRUCTED AS A PART OF THE PROJECT. NO MORE THAN 2 DRIVES 20 FEET IN WIDTH OR EQUIVALENT COMBINATIONS THEREOF ARE TO BE CONSTRUCTED WITH THIS PROJECT.
- 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. SAW 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 SURFACE OR PAVEMENT.
- INLET HOOKUP SHALL BE PAID AS EACH, REGARDLESS OF THE SIZE OF INLET.

BENCH MARKS

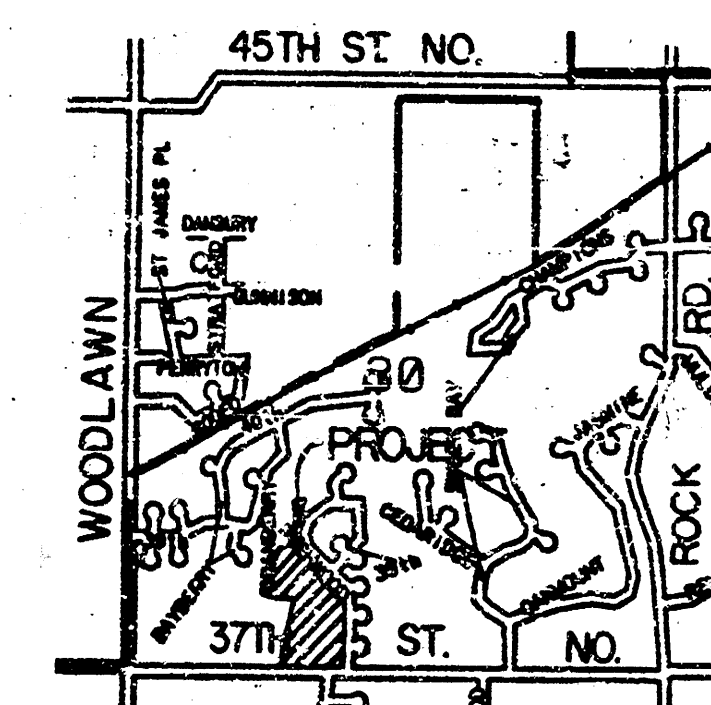
- B.M. #1 City of Wichita B.M. Disc. 30' N & 34' W of Centerline of 37th St. N. & Gouverneur Elev. = 185.54
- B.M. #2 " " Cut on N. End of Curb Return Across Rushwood from Lot 10, Block 2, Teal Cove 3rd Elev. = 181.765
- B.M. #3 " " on S. end of S. Curb return across Rushwood from Lot 4, Block 2, Teal Cove 3rd Elev. = 185.35
- B.M. #4 " " Cut on top of curb at the P.C. across Rushwood from Lot 2, Block 1, Teal Cove 3rd Elev. = 177.41



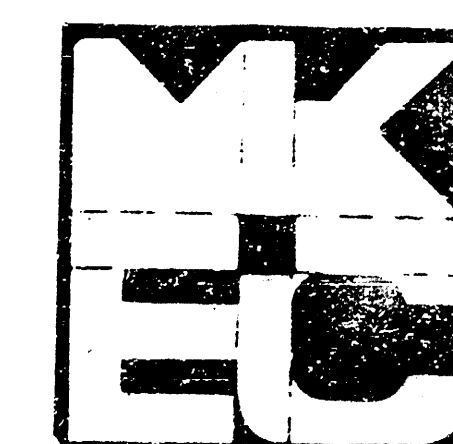
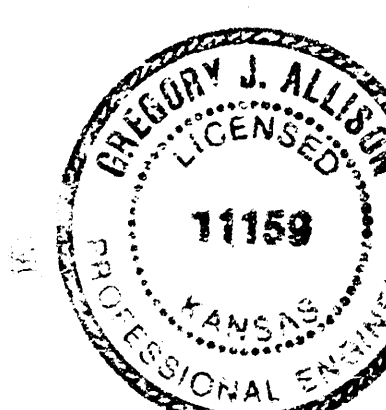
INDEX TO DRAWINGS

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2-3	PAVING DETAILS
4	VALLEY GUTTER DETAILS
5	OAKMOUNT
6-7	CRANBERRY
8-13	CROSS-SECTIONS
14	TEAL COVE 3RD FINAL PLAT

Built Per Plan 3-91



LOCATION MAP



TEAL COVE 3RD
PAVING PLANS

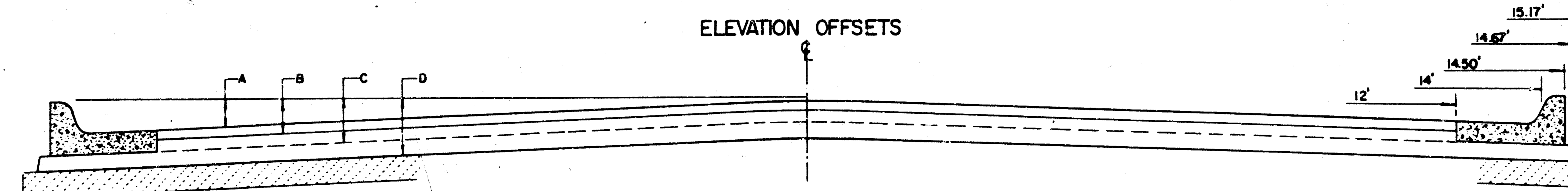
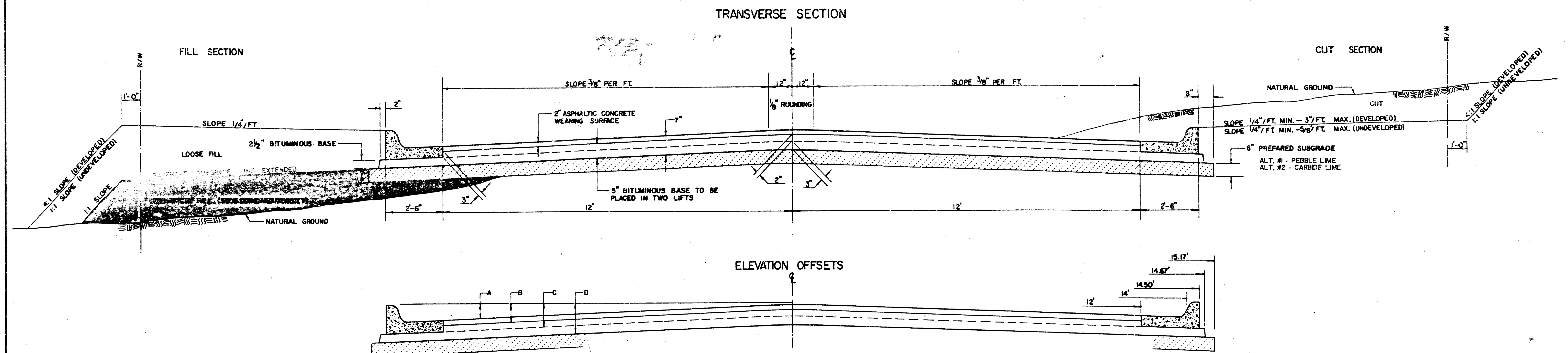
MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226

636-5666

Drawn by
DPR
Checked by
DCH
Date
APRIL 1991
Job no

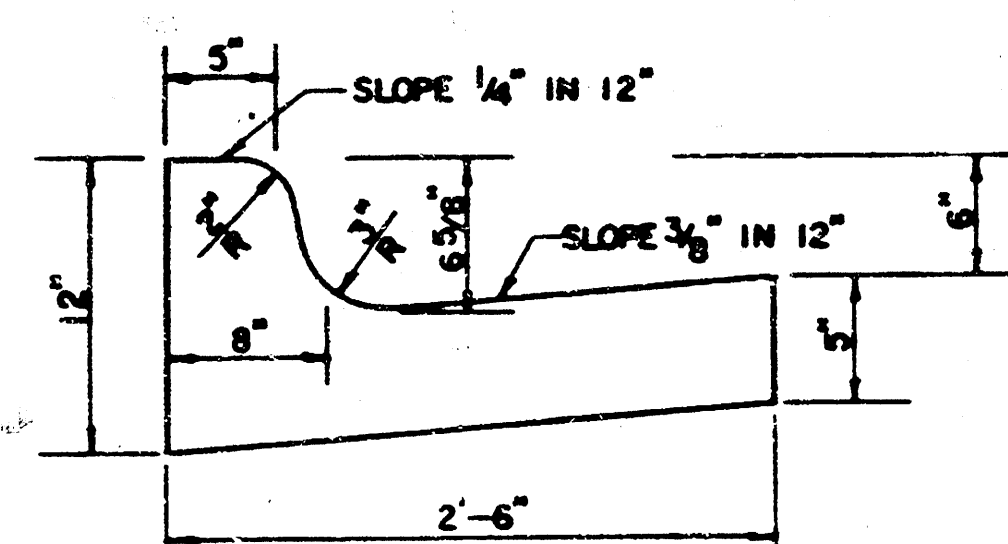
Sheet
1
of
14

TYPICAL 29' PAVEMENT DETAILS

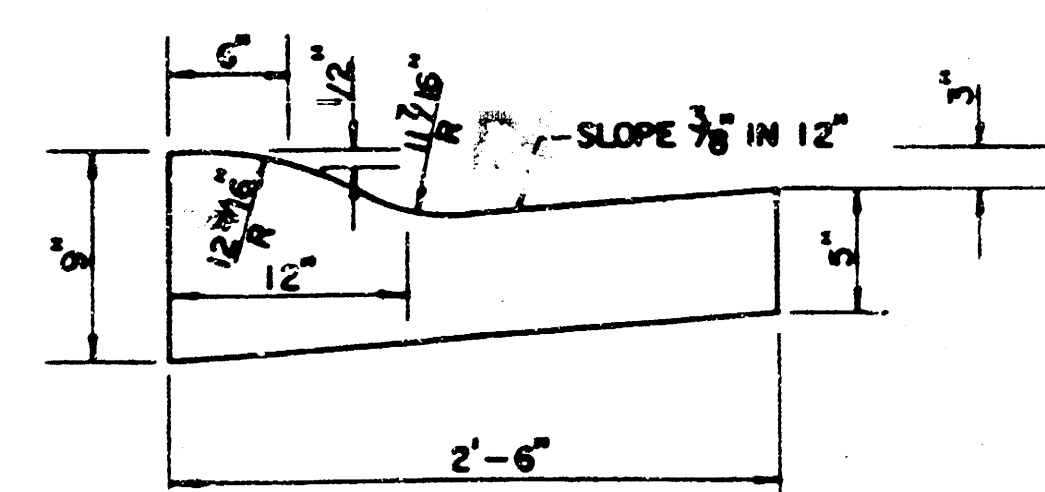


	DISTANCE FROM CENTERLINE (LT. & RT.)											
	0'	2'	4'	6'	7'	8'	10'	12'	14'	14.5'	14.67'	15.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.13	0.18	0.24	0.30	0.33	0.36	0.43	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.30	0.35	0.41	0.47	0.50	0.53	0.60	0.66	—	—	—	—
C: TOP OF CURBS TO TOP OF LOWER BASE LIFT	0.47	0.52	0.60	0.68	0.71	0.75	0.83	0.90	0.99	1.00	1.01	—
D: TOP OF CURBS TO TOP OF SUBGRADE	0.72	0.77	0.84	0.91	0.94	0.98	1.05	1.12	1.19	1.21	1.22	1.23

COMBINED CURB & GUTTER



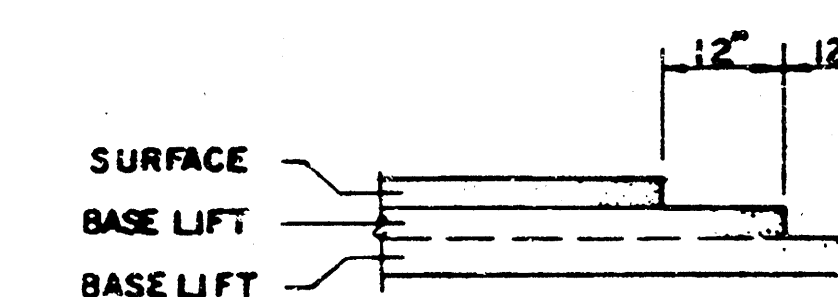
ROLL TYPE COMBINED CURB & GUTTER



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 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

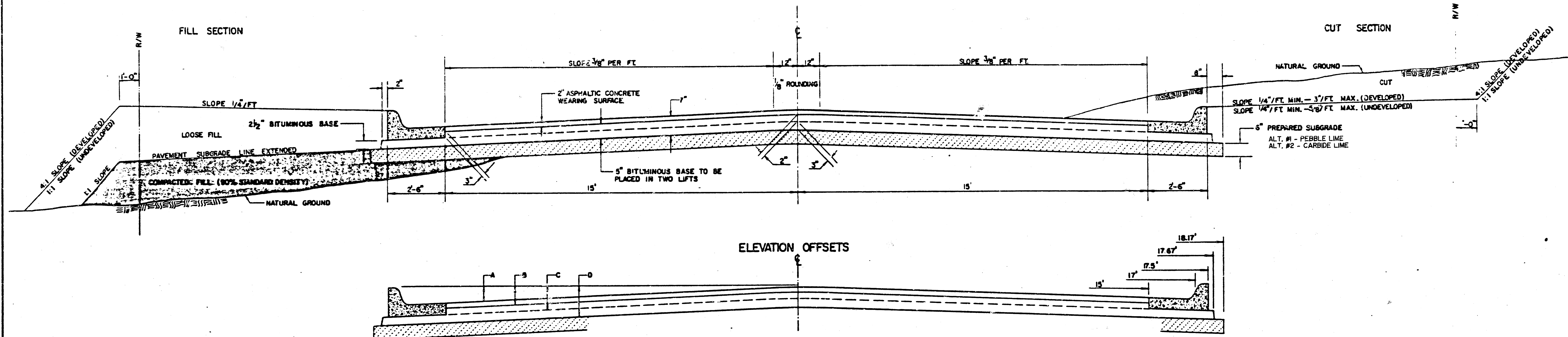
TEAL COVE 3RD
PROJECT NO. 472-B1941

PROJECT NUMBER

2 14

TYPICAL 35' PAVEMENT DETAILS

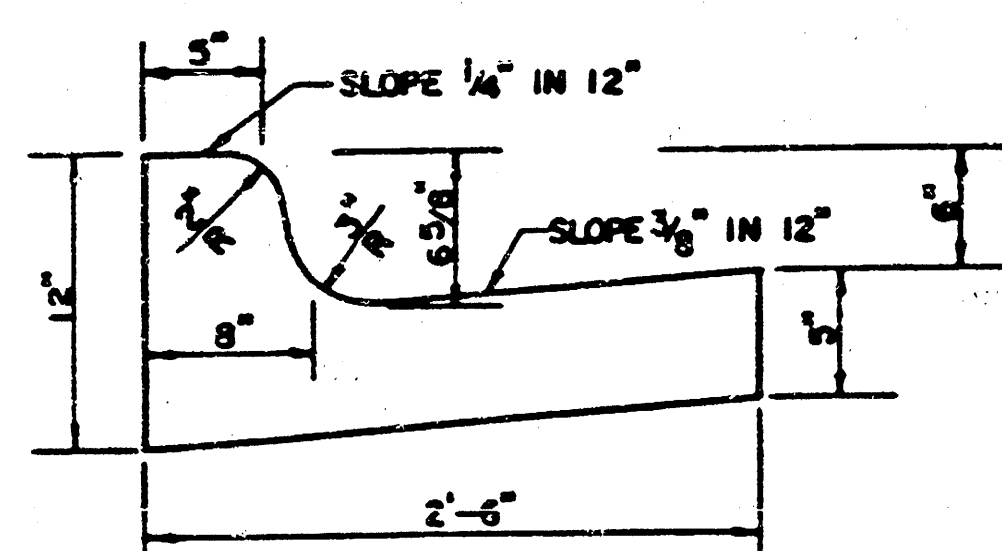
TRANSVERSE SECTION



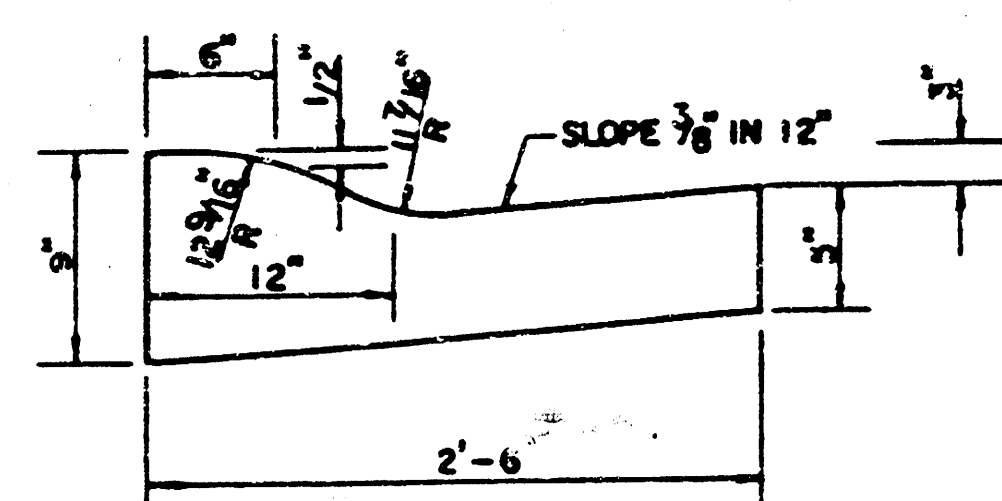
ELEVATION OFFSETS

	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

COMBINED CURB & GUTTER



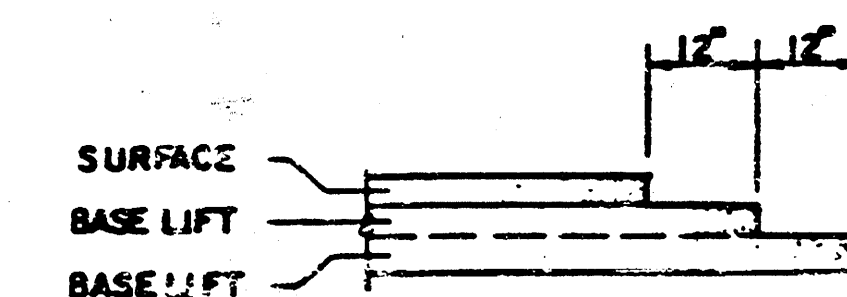
ROLL TYPE COMBINED CURB & GUTTER



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 0.03 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



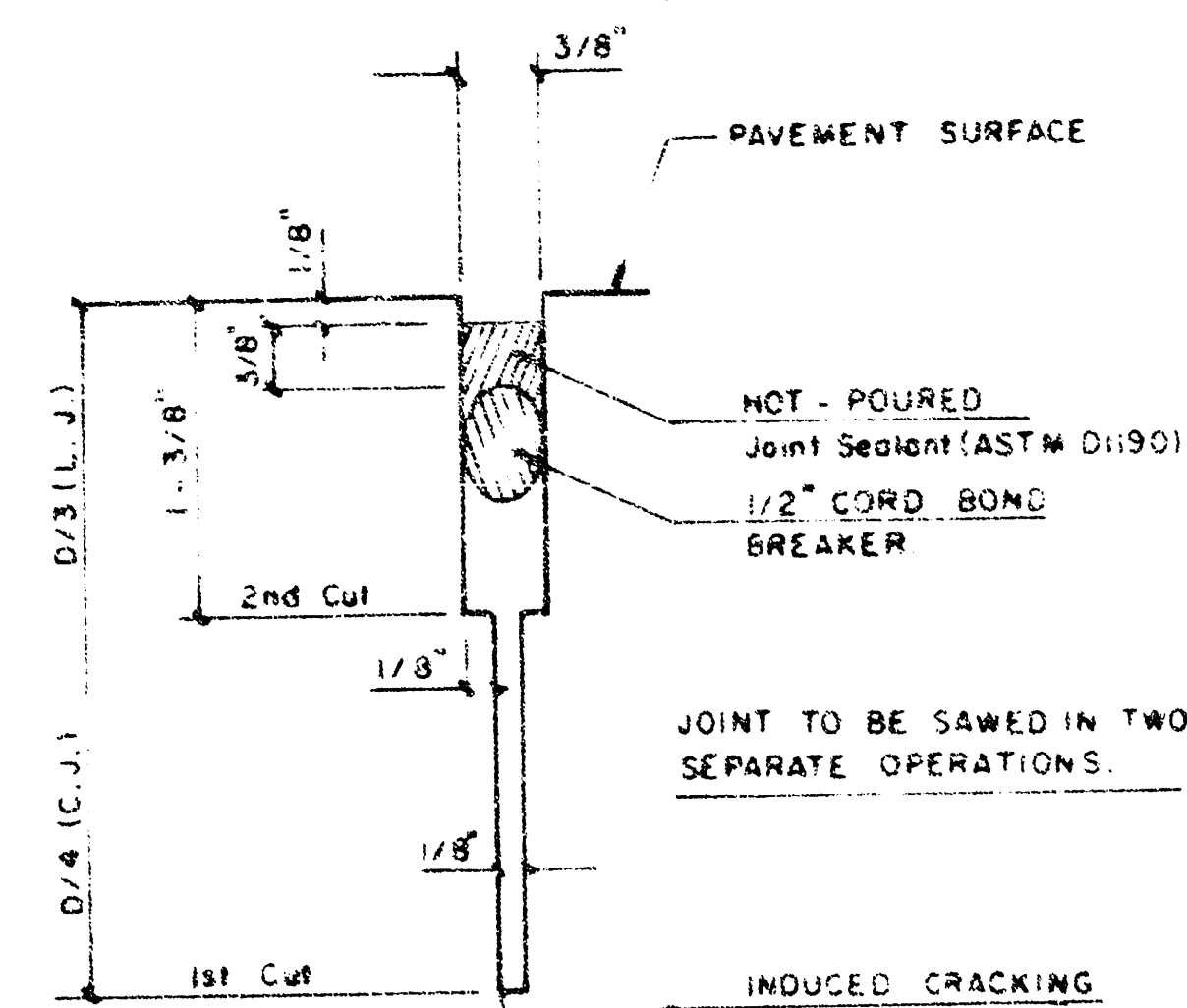
TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINTS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 8" ASPHALTIC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

7 INCH RESIDENTIAL ASPHALTIC CONCRETE
PAVEMENT WITH 5 INCH BITUMINOUS BASE
CITY OF WICHITA, KANSAS

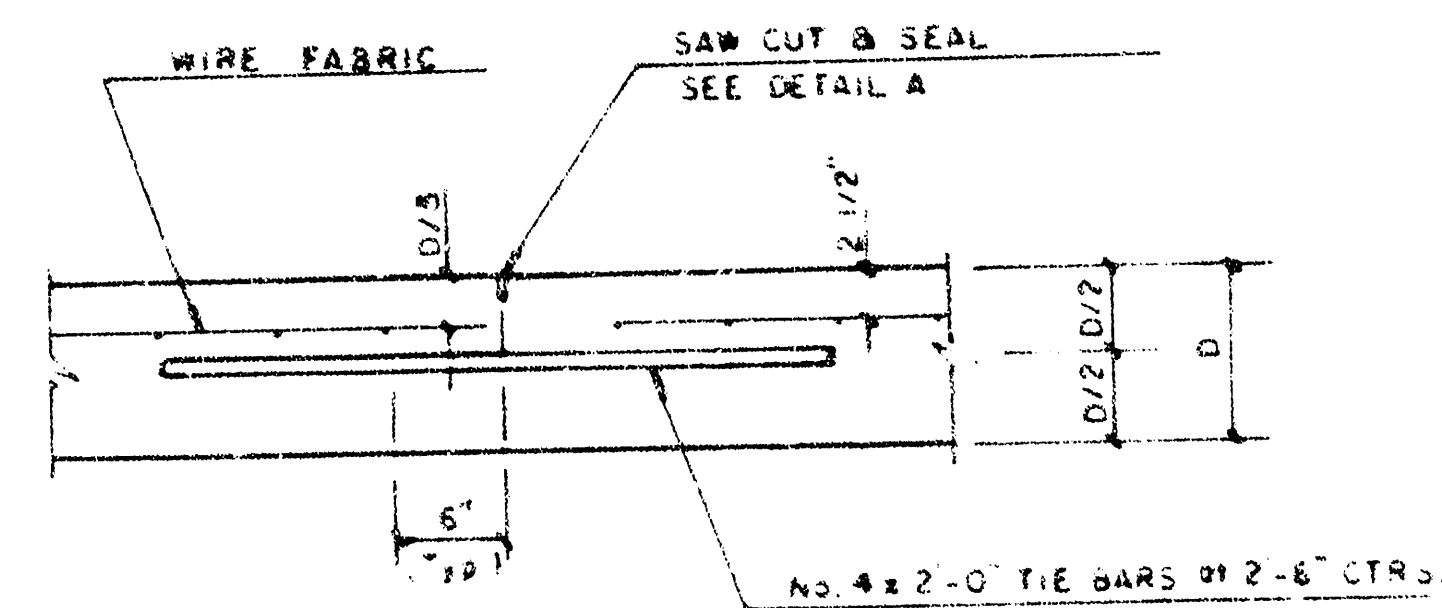
TEAL COVE 3RD.
PROJECT NO. 472-31941

PROJECT NUMBER

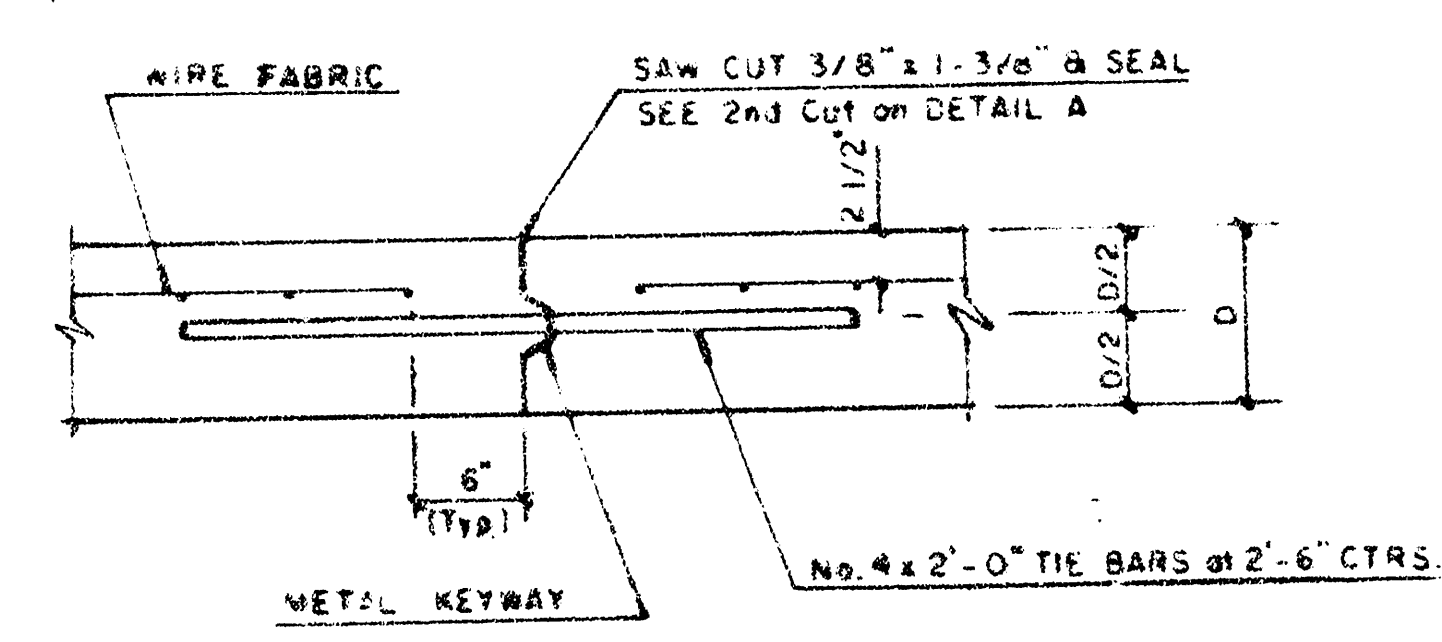
3/14



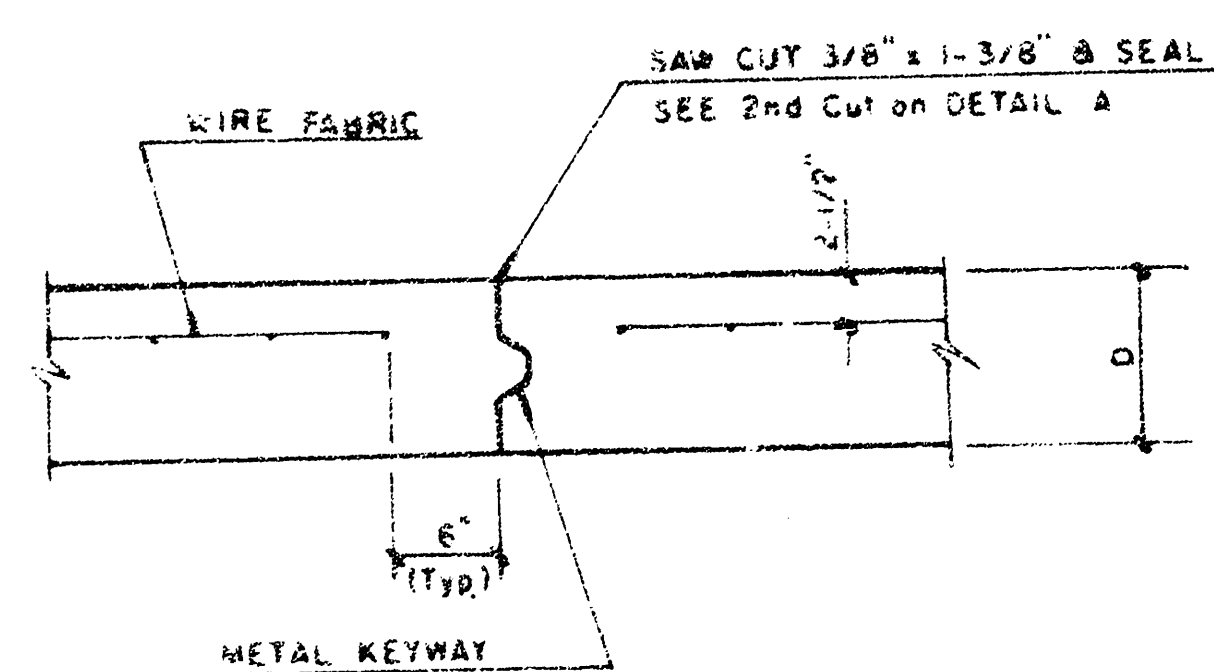
DETAIL A



LONGITUDINAL JOINT DETAIL (L.J.)

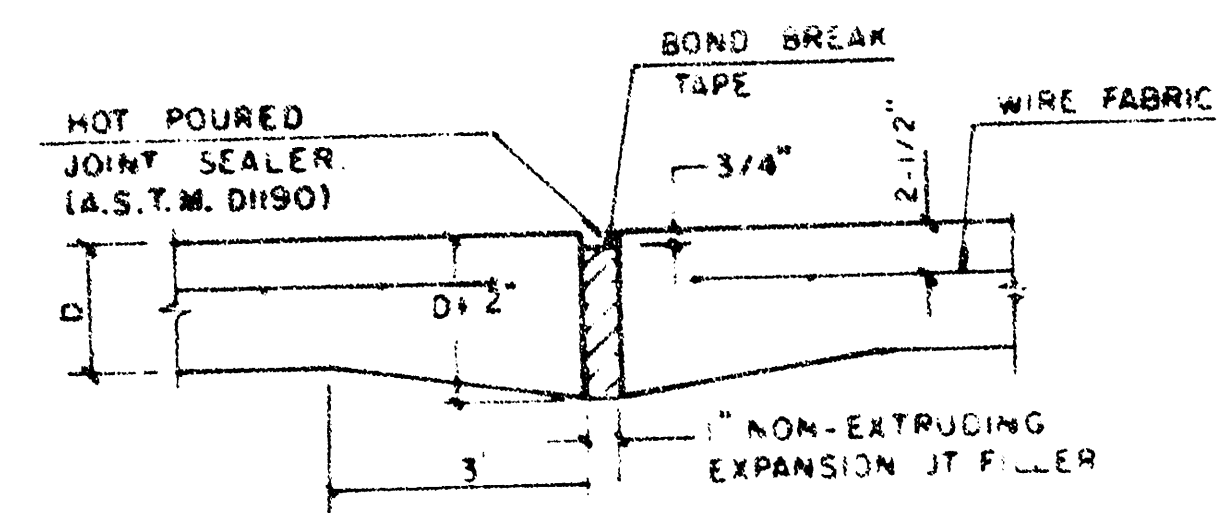


OPTIONAL LONGITUDINAL CONSTRUCTION JOINT (L.J.)
(Alternate L.J.)

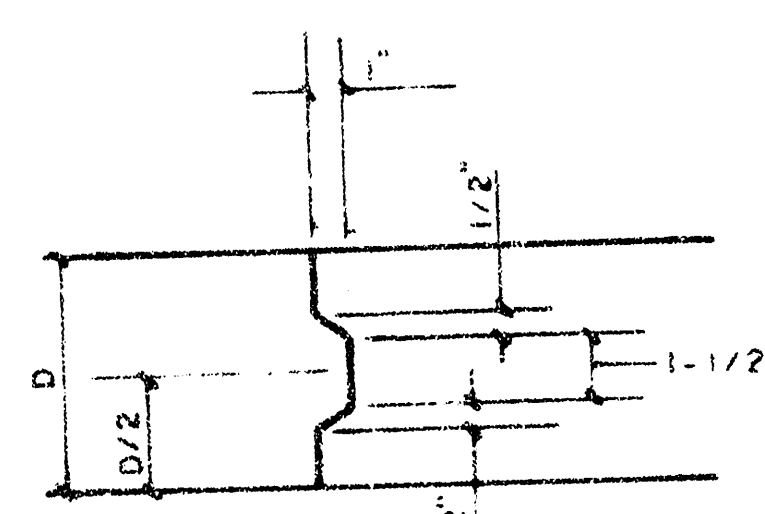


OPTIONAL CONTRACTION CONSTRUCTION JOINT (C.J.)
(Alternate C.J.)

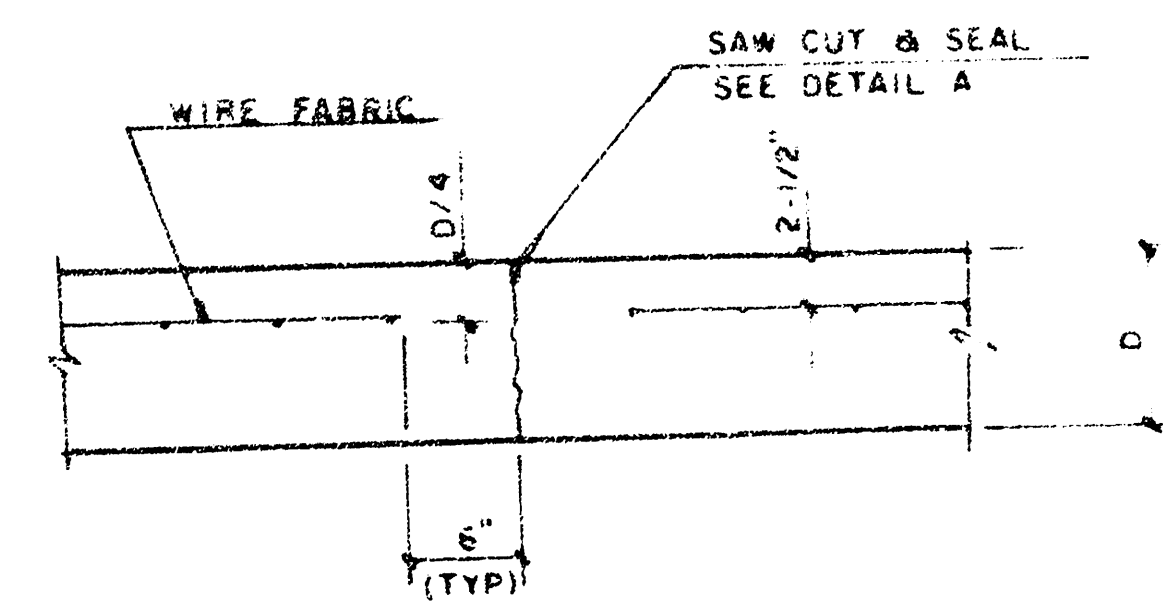
NOTE: ALL CONCRETE VALLEY GUTTER REINFORCEMENT SHALL BE ADEQUATELY SUPPORTED BY BAR CHAIRS IN THE REQUIRED POSITION UNLESS APPROVED OTHERWISE BY THE ENGINEER.



EXPANSION JOINT
NOTE: EXTRA THICKNESS TO BE SUBSIDIARY TO PRICE OF SQ YDS PAVEMENT.

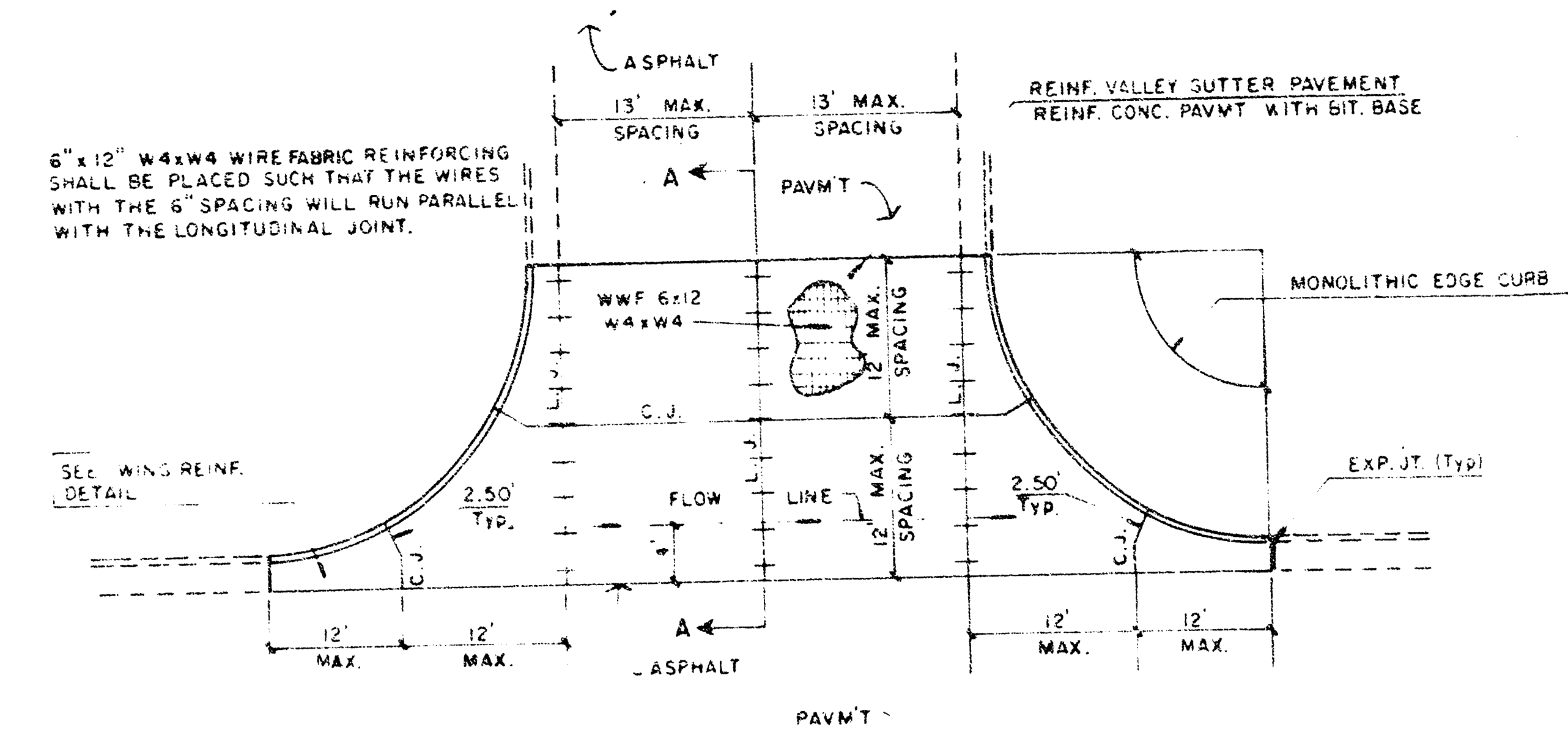


KEYWAY DETAIL

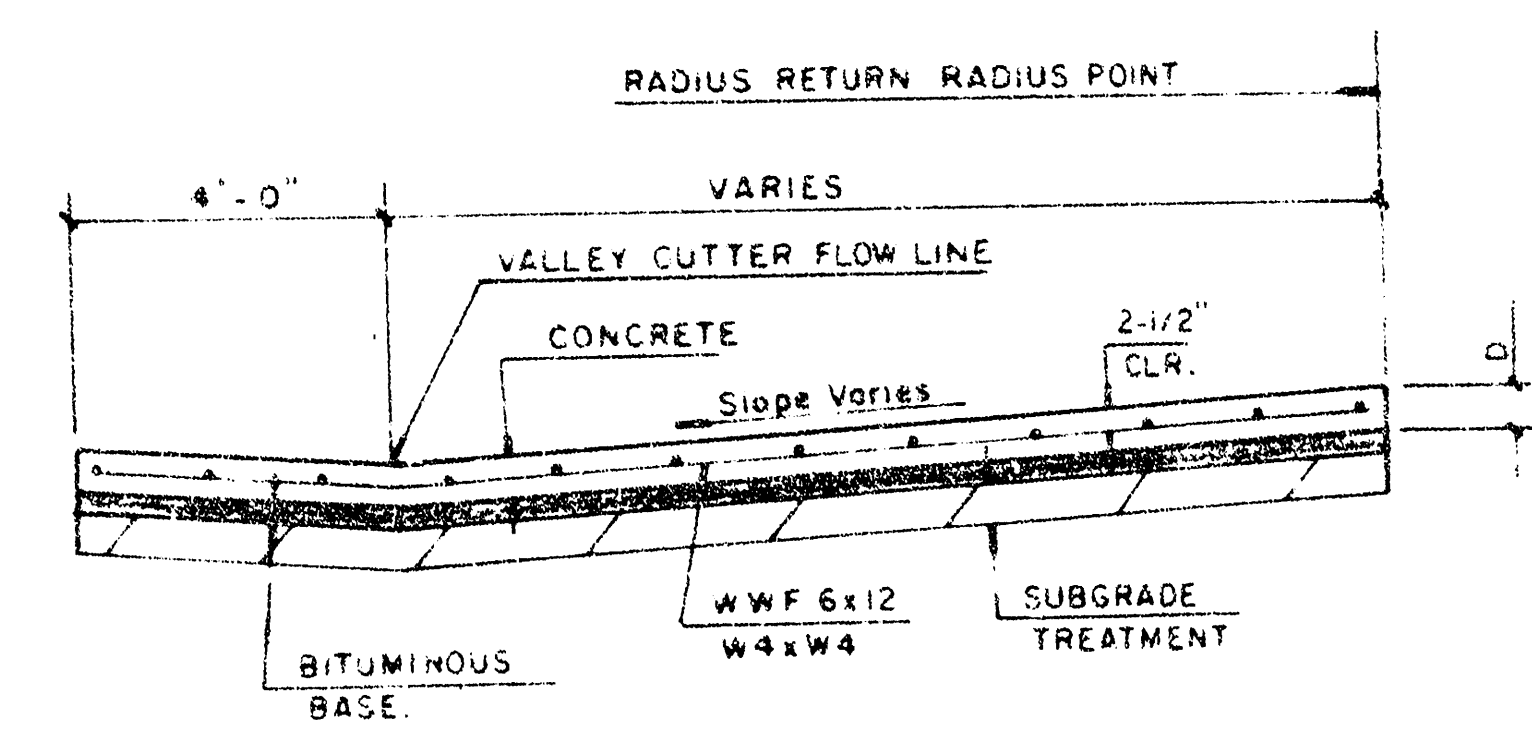


CONTRACTION JOINT DETAIL (C.J.)

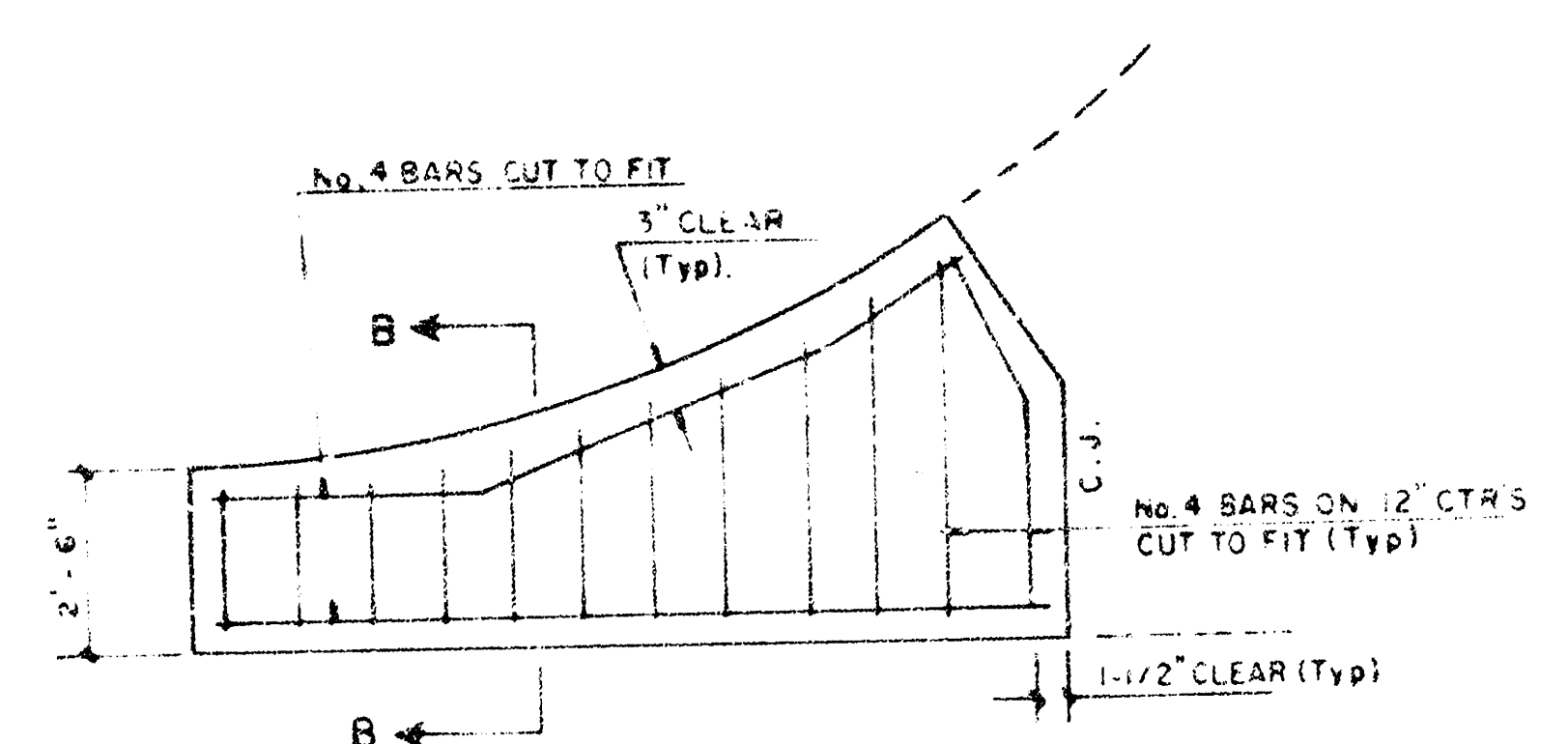
LEGEND
C.J. IDENTIFIES CONTRACTION JOINT
L.J. IDENTIFIES LONGITUDINAL JOINT



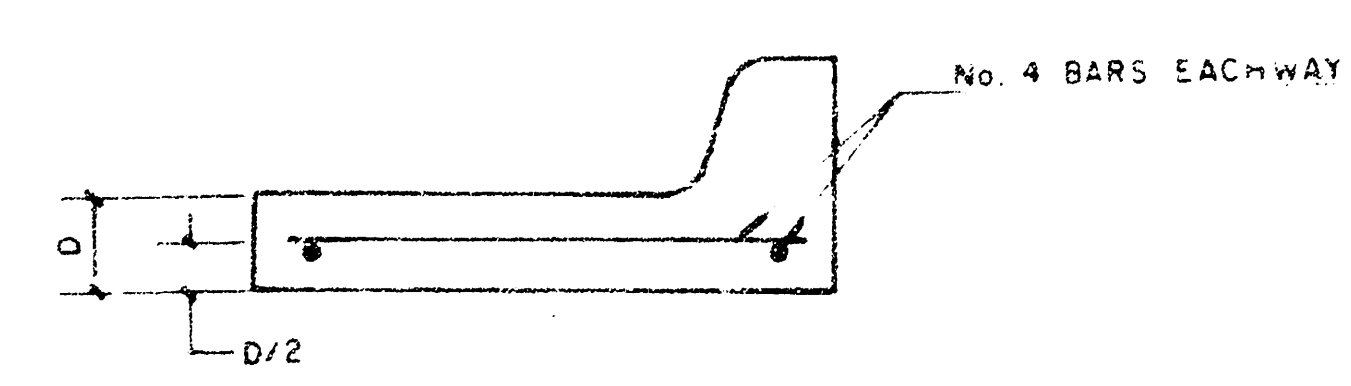
PLAN
REINFORCED VALLEY GUTTER



SECTION A-A

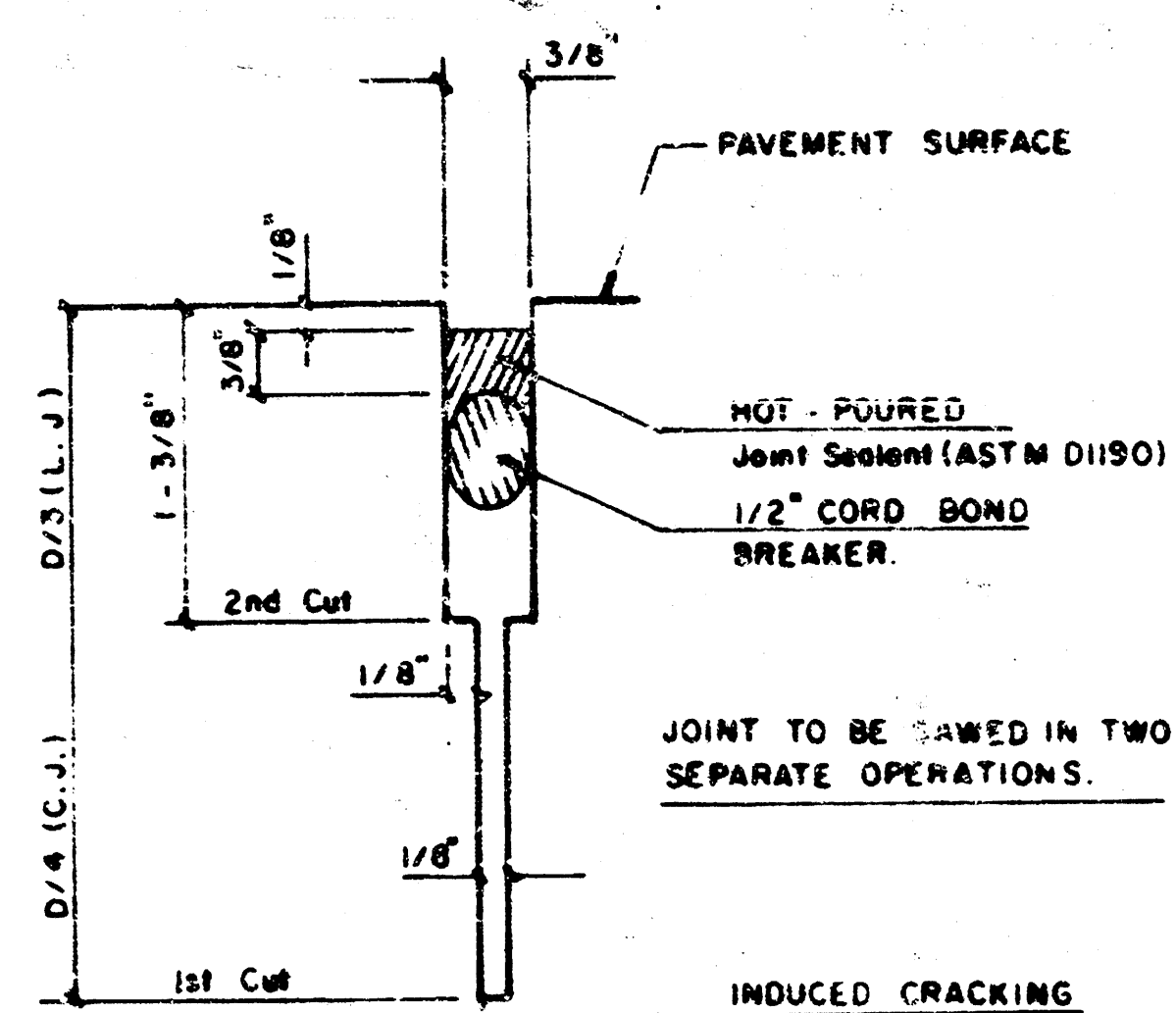


WING REINFORCING DETAIL

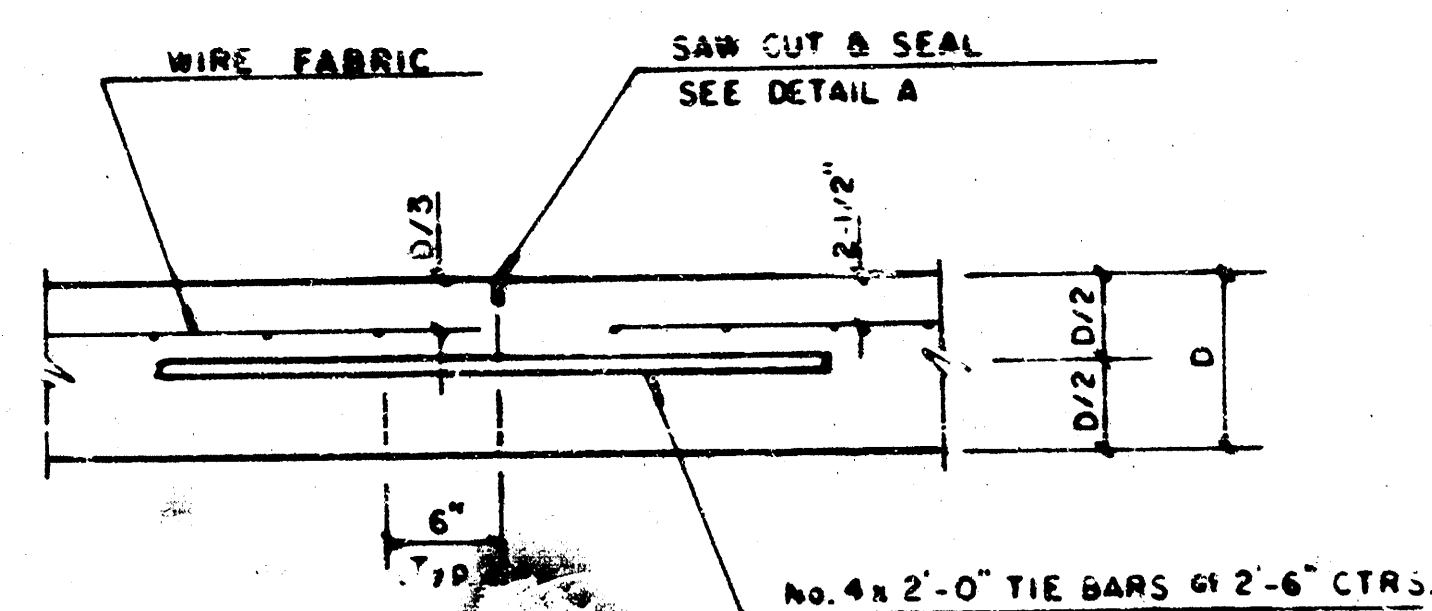


SECTION B-B

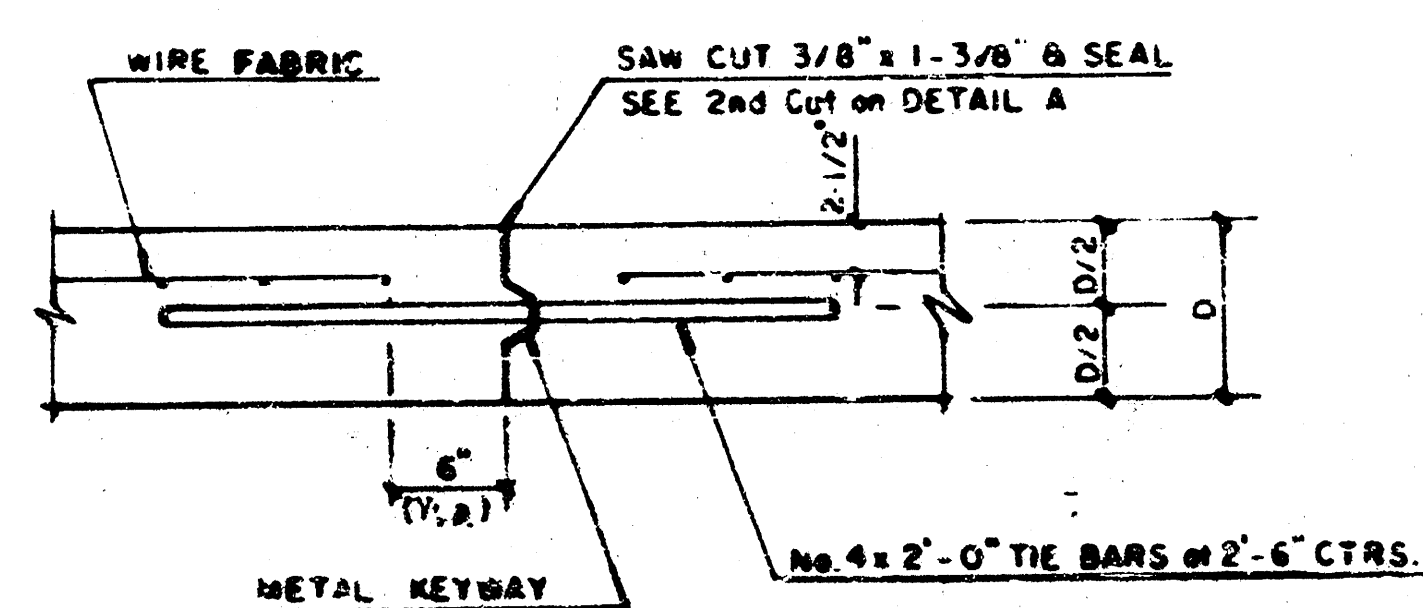
PROJECT DESCRIPTION
VALLEY GUTTER DETAILS
TEAL COVE 3RD PROJECT NO. 472-01941
PROJECT NUMBER



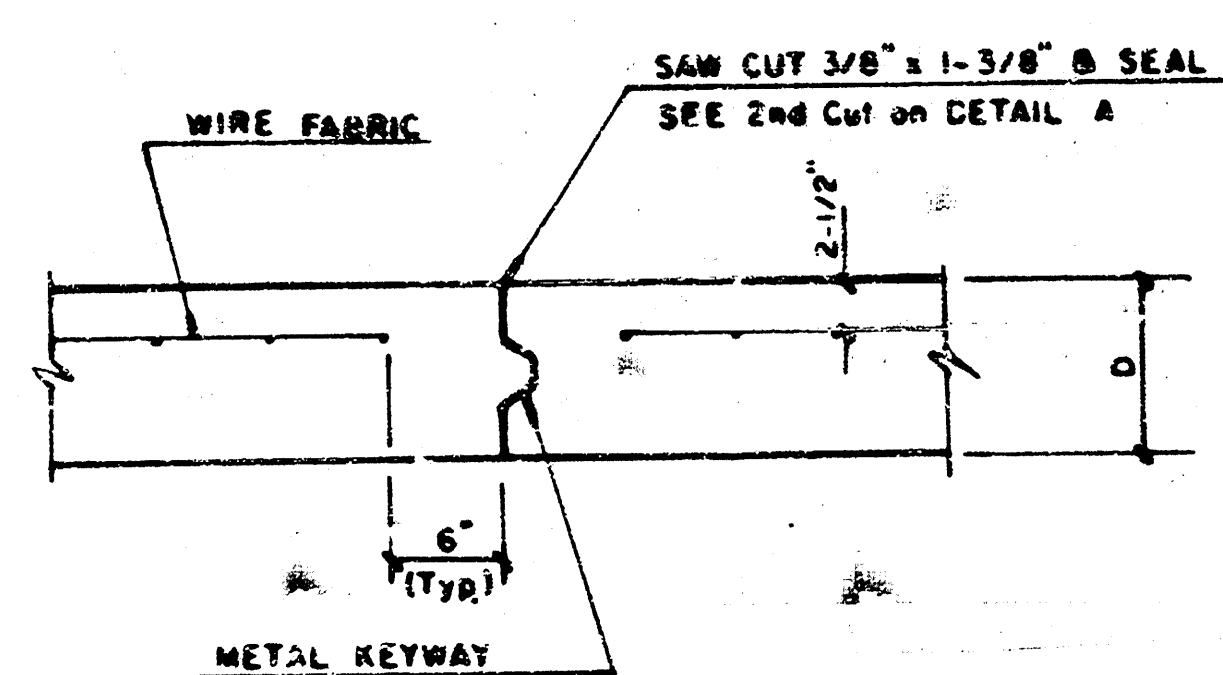
DETAIL A



LONGITUDINAL JOINT DETAIL (L.J.)

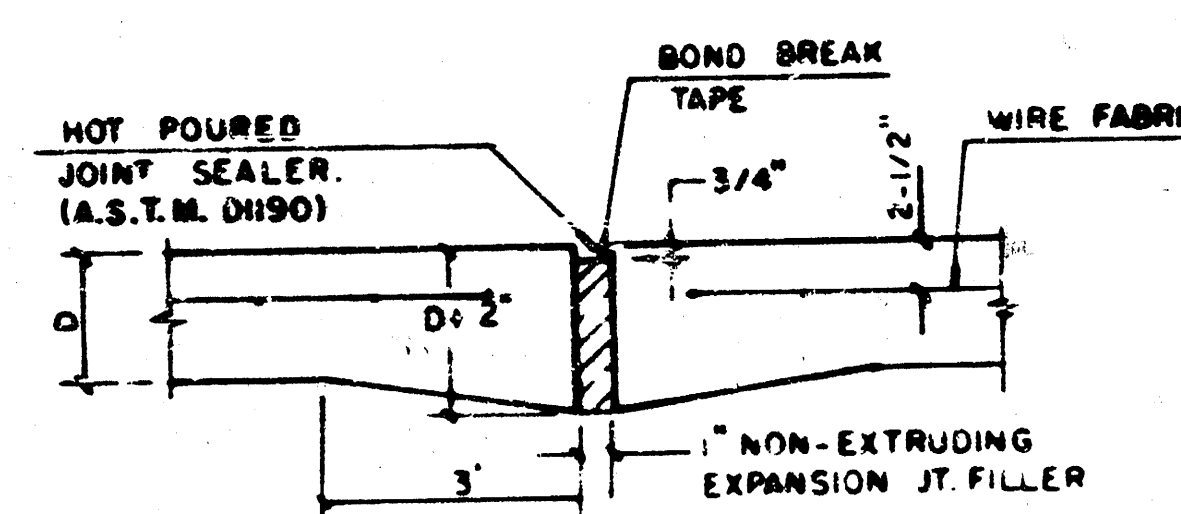


OPTIONAL LONGITUDINAL CONSTRUCTION JOINT (L.J.)
(Alternate L.J.)

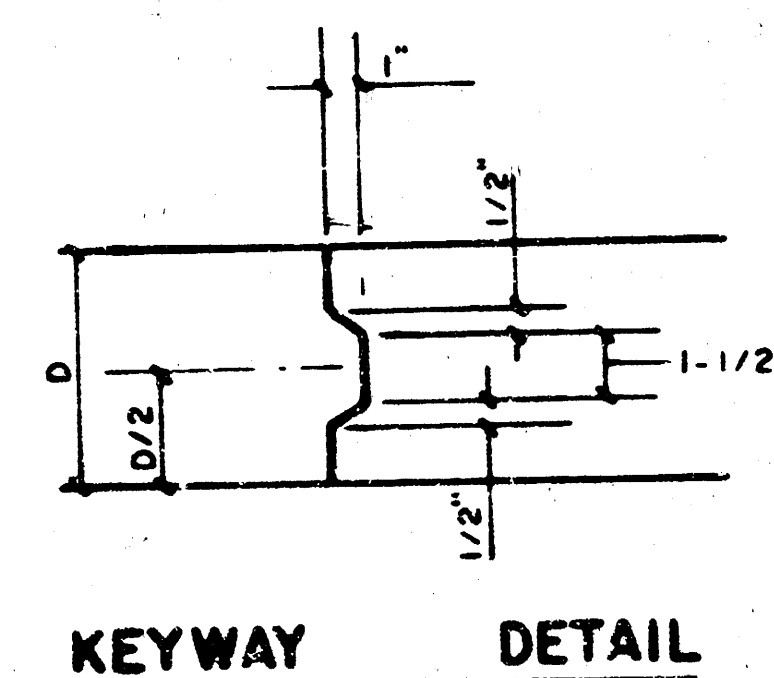


OPTIONAL CONTRACTION CONSTRUCTION JOINT (C.J.)
(Alternate C.J.)

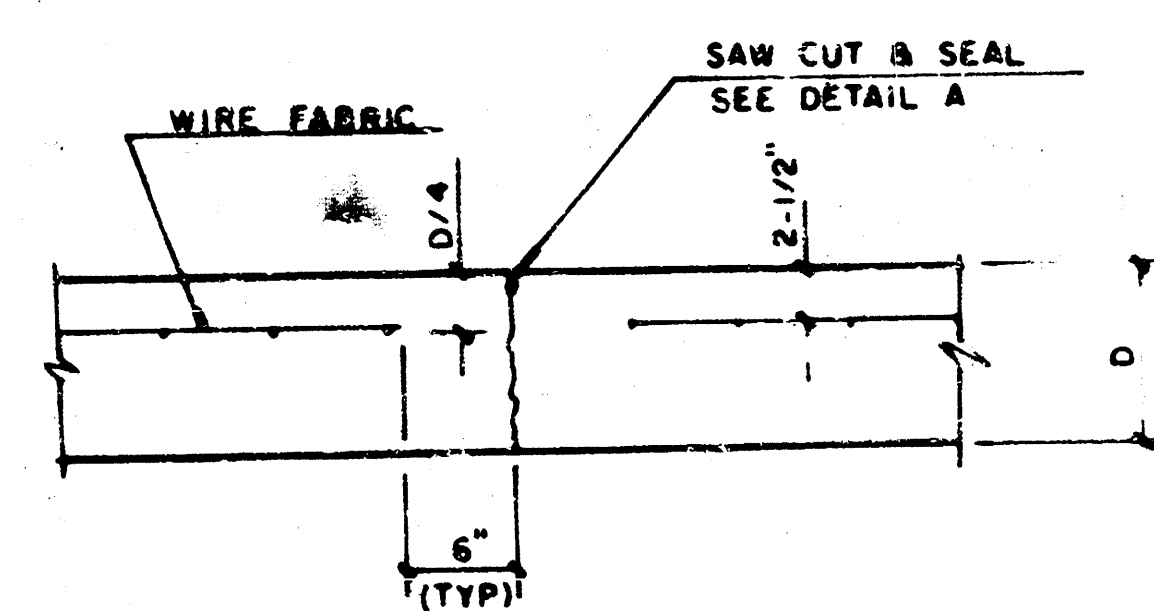
NOTE: ALL CONCRETE VALLEY GUTTER REINFORCEMENT SHALL BE ADEQUATELY SUPPORTED BY BAR CHAIRS IN THE REQUIRED POSITION UNLESS APPROVED OTHERWISE BY THE ENGINEER.



EXPANSION JOINT
NOTE: EXTRA THICKNESS TO BE SUBSIDIARY TO PRICE OF SQ YDS PAVEMENT.

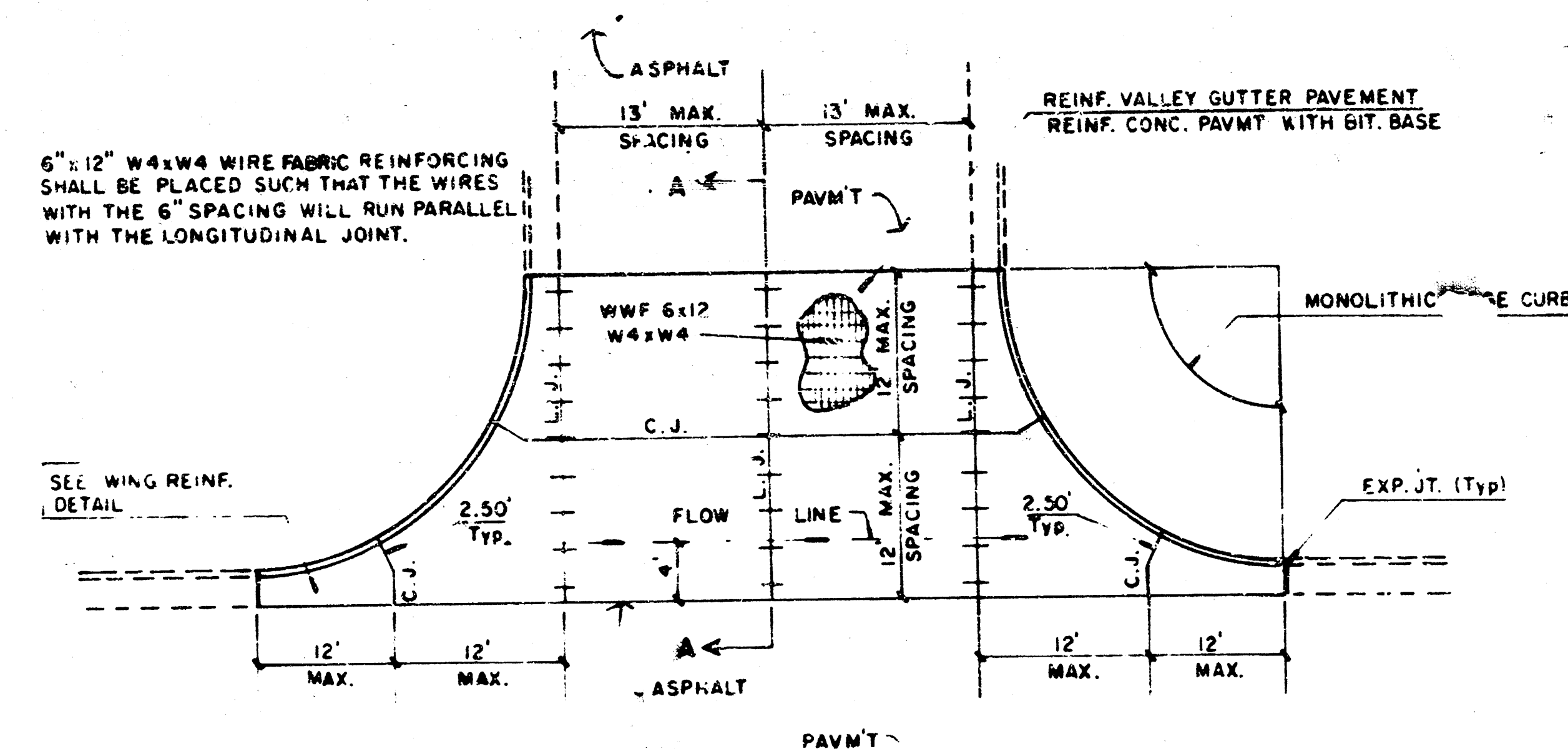


KEYWAY DETAIL

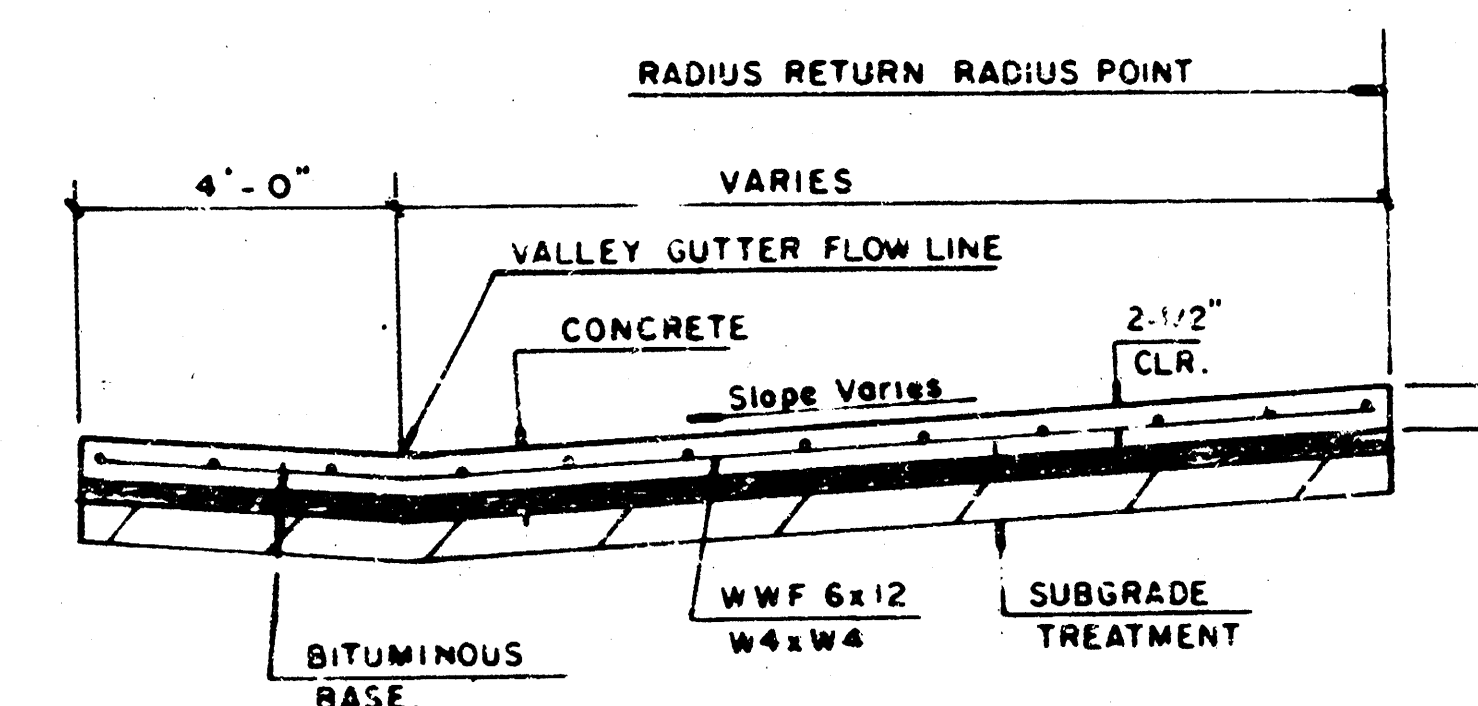


CONTRACTION JOINT DETAIL (C.J.)

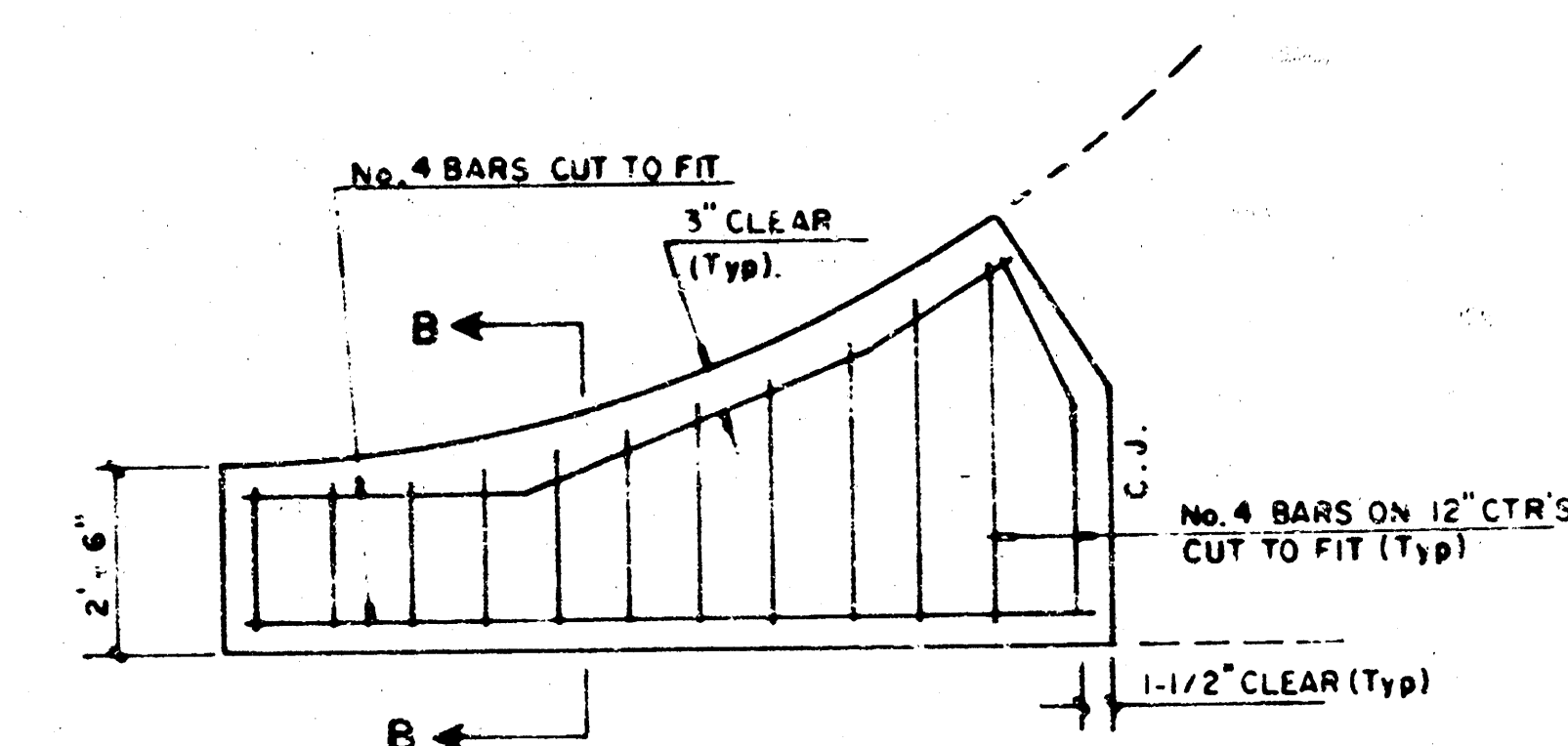
LEGEND
C.J. IDENTIFIES CONTRACTION JOINT
L.J. IDENTIFIES LONGITUDINAL JOINT



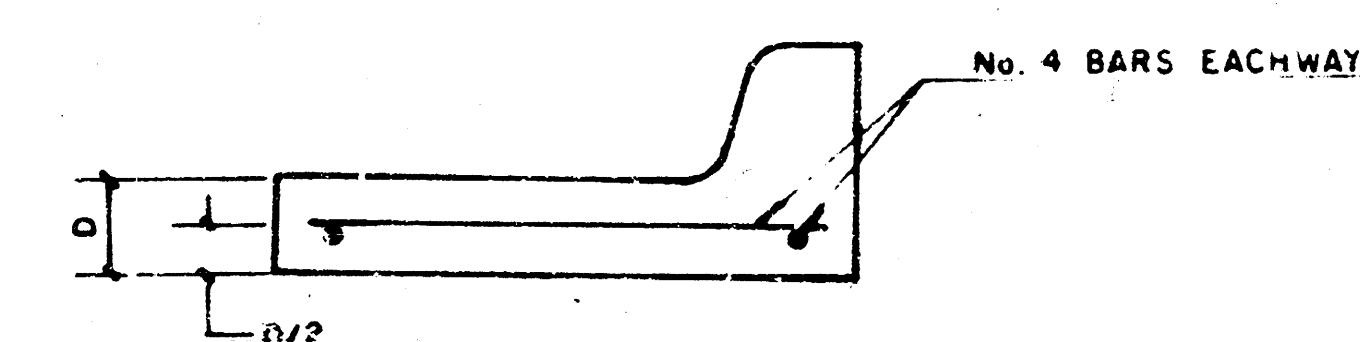
PLAN
REINFORCED VALLEY GUTTER



SECTION A-A



WING REINFORCING DETAIL



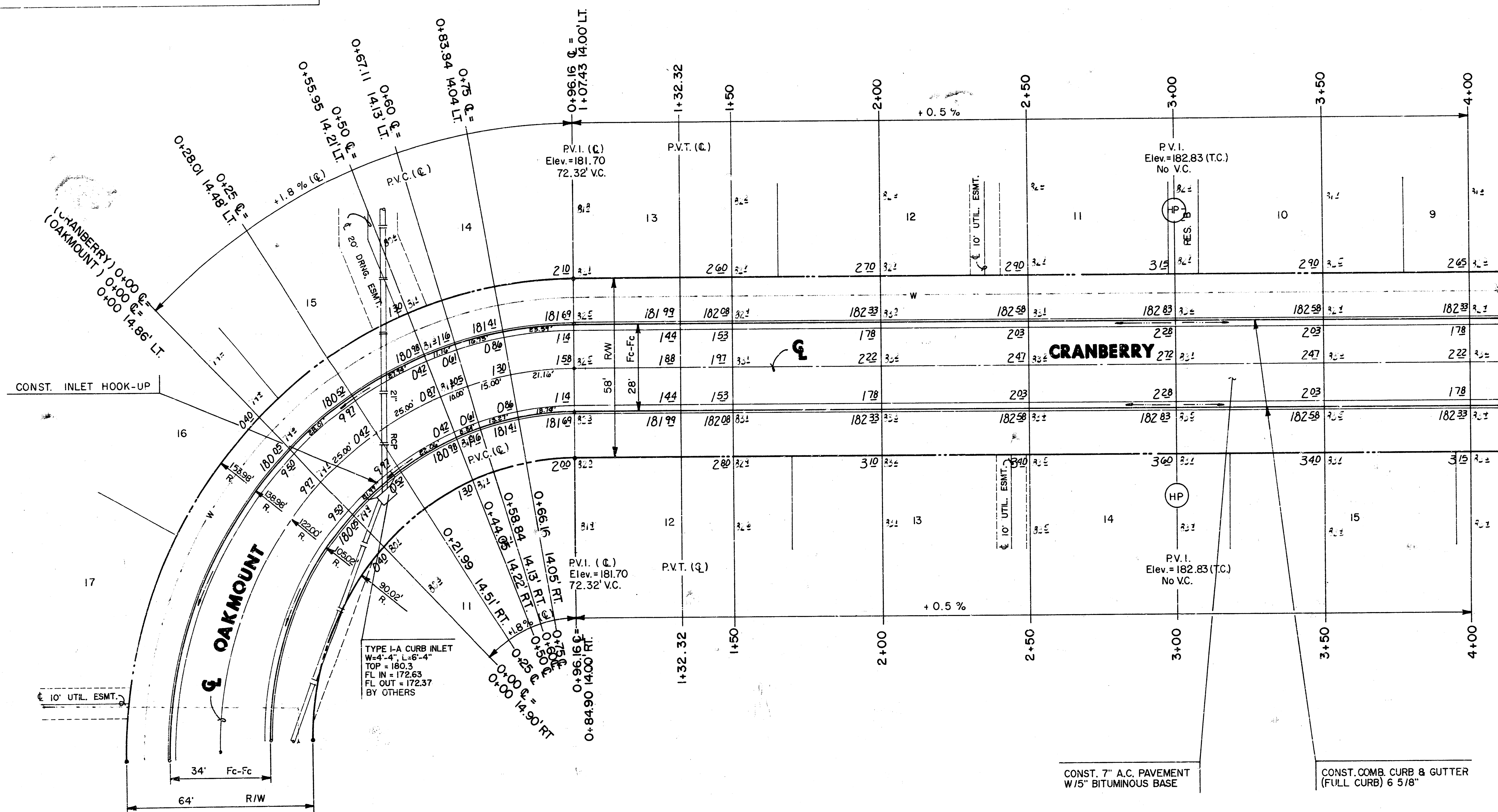
SECTION B-B

PROJECT DESCRIPTION
VALLEY GUTTER DETAILS
PROJECT NUMBER
TEAL COVE 3RD
PROJECT NO. 472-B1941

$\Delta = 44^{\circ}17'14''$ $R = 138.98'$ $T = 56.56'$ $L = 107.43'$ $LC = 104.77'$					
CURVE DATA BASED ON LEFT FACE OF CURB $\Delta/2 = 22^{\circ}08'37''$					
STATION	ARC	8' Off LtCh	8' Off RtCh	DEFLECTION	TOTAL DEFLECTION
0+00.00	-	-	-	00°00'00"	00°00'00"
0+28.01	28.01'	29.57'	-	05°46'25"	05°46'25"
0+55.55	27.54'	29.50'	-	05°48'33"	11°31'59"
0+67.11	11.16'	11.00'	-	02°18'01"	13°50'00"
0+83.84	16.73'	17.68'	-	03°26'55"	17°16'55"
1+07.43	23.59'	24.81'	-	04°51'42"	22°08'37"
Def/Pt = 12.36777 Min.					



Scale: 1" = 20'



$\Delta = 46^{\circ}19'10''$ $R = 105.02'$ $T = 44.92'$ $L = 84.90'$ $LC = 82.61'$					
CURVE DATA BASED ON RIGHT FACE OF CURB $\Delta/2 = 23^{\circ}09'35''$					
STATION	ARC	8' Off LtCh	8' Off RtCh	DEFLECTION	TOTAL DEFLECTION
0+00.00	-	-	-	00°00'00"	00°00'00"
0+21.99	21.99'	-	20.28'	05°59'55"	05°59'55"
0+44.05	22.06'	-	20.34'	06°01'03"	12°00'58"
0+58.84	14.79'	-	13.65'	04°02'04"	16°03'02"
0+66.16	7.32'	-	6.76'	01°59'48"	18°02'51"
0+84.90	18.74'	-	17.29'	05°06'44"	23°09'35"
Def/Pt = 16.36711 Min.					

CITY OF WICHITA

CRANBERRY

PROJ. NO. 472-81941

Design: GJA

Drawn by: DPR

Checked by: DCH

Date: APRIL 1991

Job no:

MID-KANSAS ENGINEERING CONSULTANTS PA

3500 NORTH ROCK ROAD

BUILDING #800

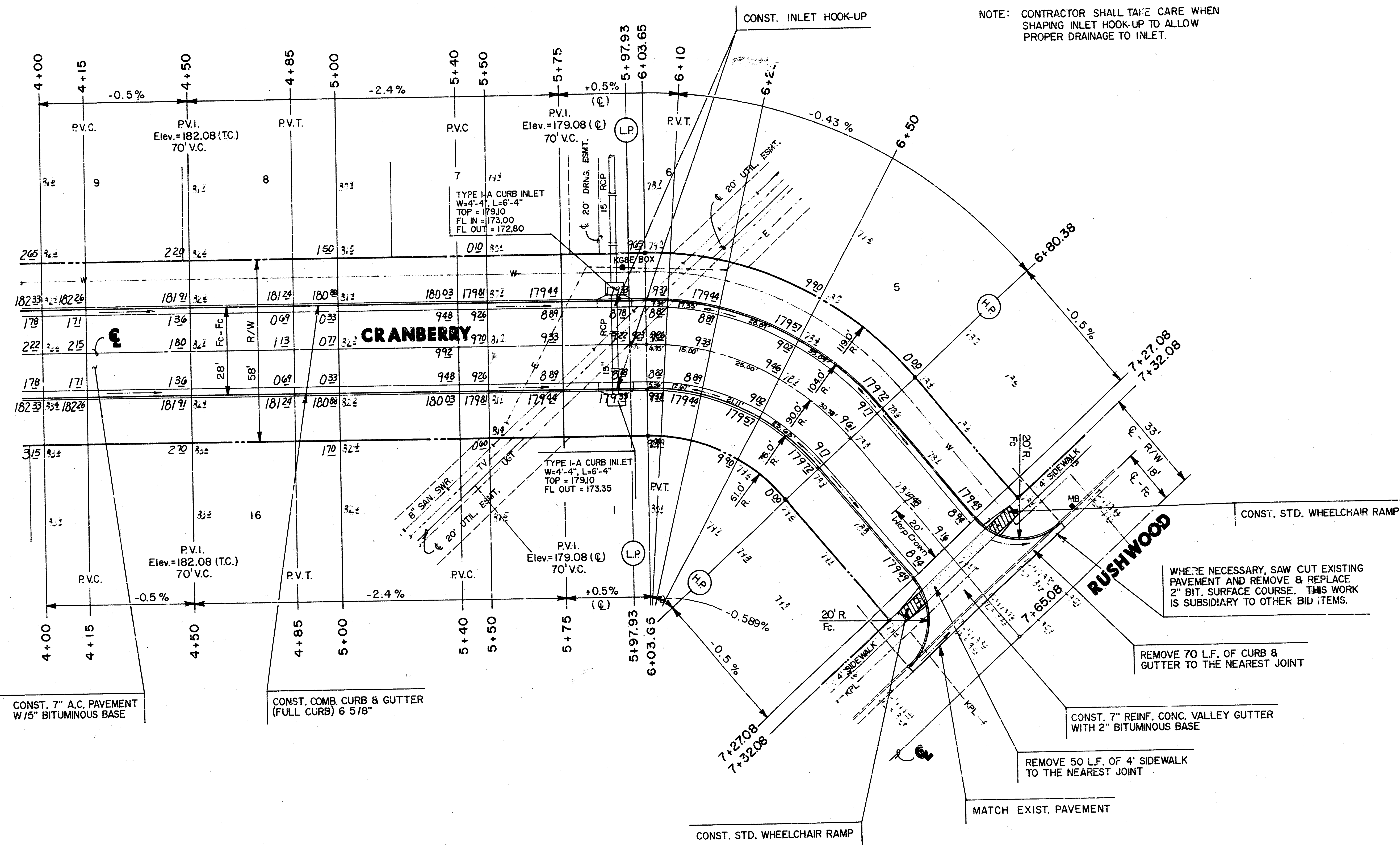
WICHITA, KANSAS 67226

636-5566

Sheet **6** of **14**



Scale: 1" = 20'



$\Delta = 48^\circ 50' 45''$ $R = 90.00'$ $T = 40.87'$ $L = 76.73'$ $LC = 74.42'$

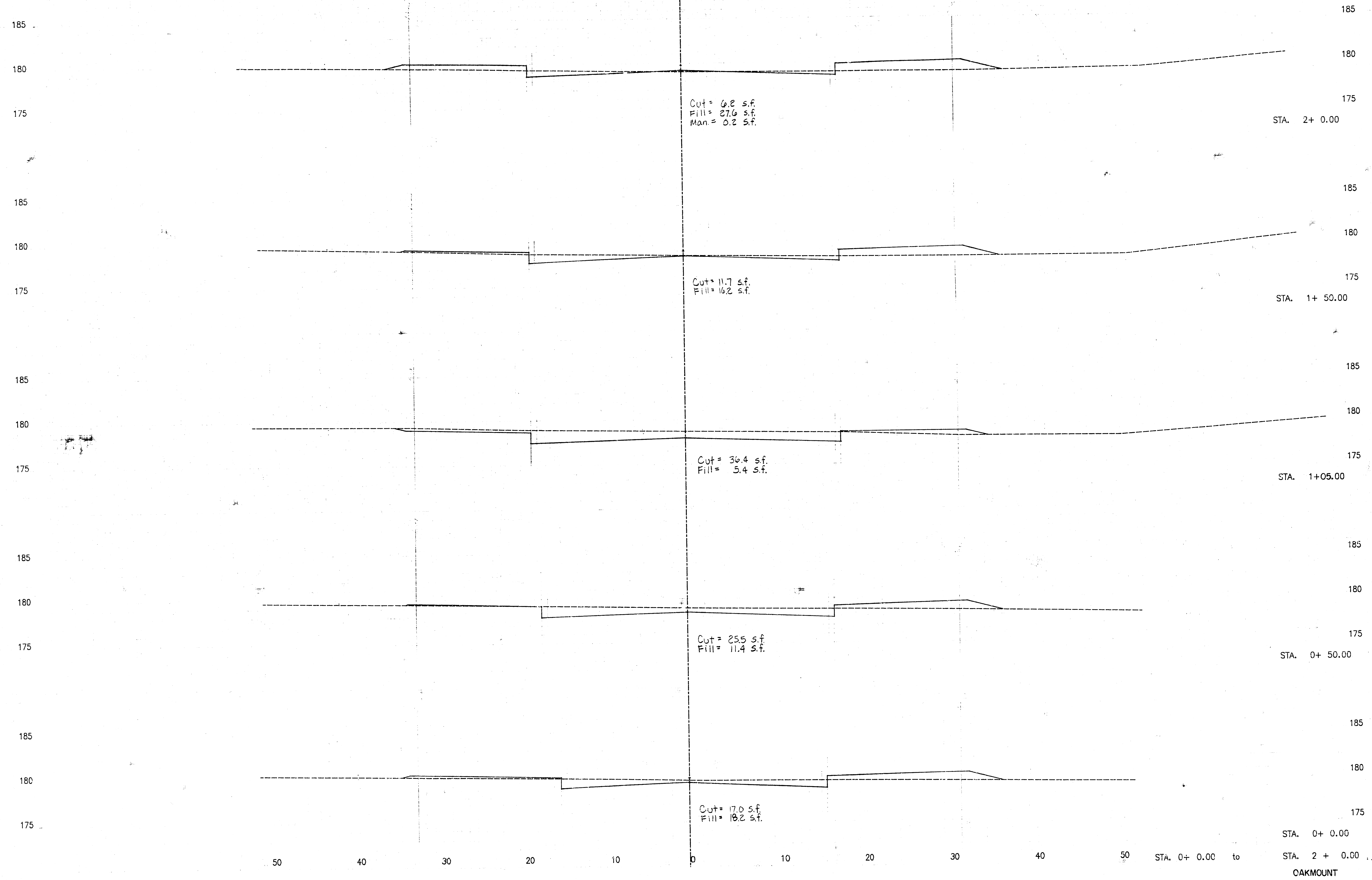
CURVE DATA BASED ON CENTERLINE $\Delta/2 = 24^\circ 25' 22''$

STATION	ARC	CHORD LENGTH		DEFLECTION	TOTAL DEFLECTION
		8' off Lch	8' off Rch		
6+03.65	-	-	-	00°00'00"	00°00'00"
6+10.00	6.35'	7.90'	4.80'	02°01'17"	02°01'17"
6+25.00	15.00'	18.65'	11.32'	04°46'29"	06°47'45"
6+50.00	25.00'	31.01'	18.83'	07°57'28"	14°45'13"
6+80.38	30.38'	37.62'	22.84'	09°40'09"	24°25'23"

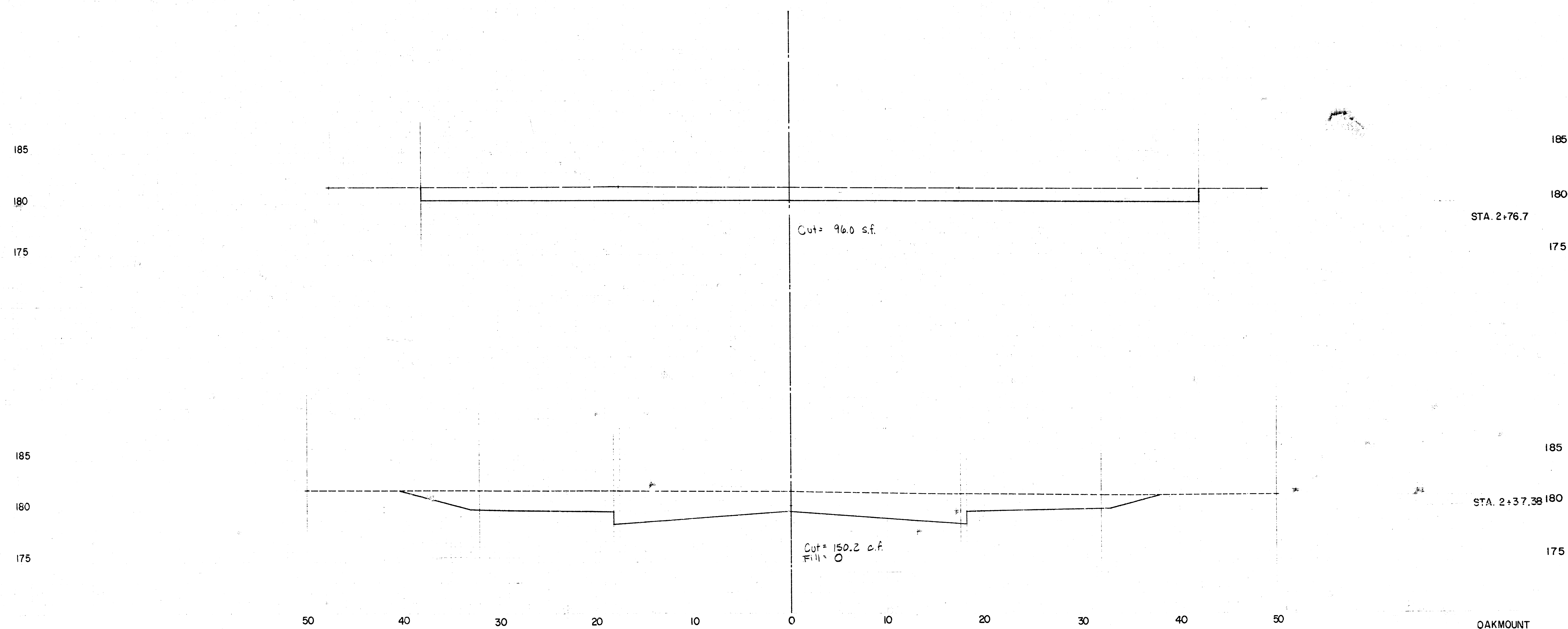
Def/Fc = 19.09859 Min.

	CITY OF WICHITA	Design GJA
	CRANBERRY	Drawn by DPR
	PROJ. NO. 472-81941	Checked by DCH
		Date APRIL 1991
MID-KANSAS ENGINEERING CONSULTANTS PA 3500 NORTH ROCK ROAD BUILDING #800 WICHITA, KANSAS 67226		Sheet 7 of 14

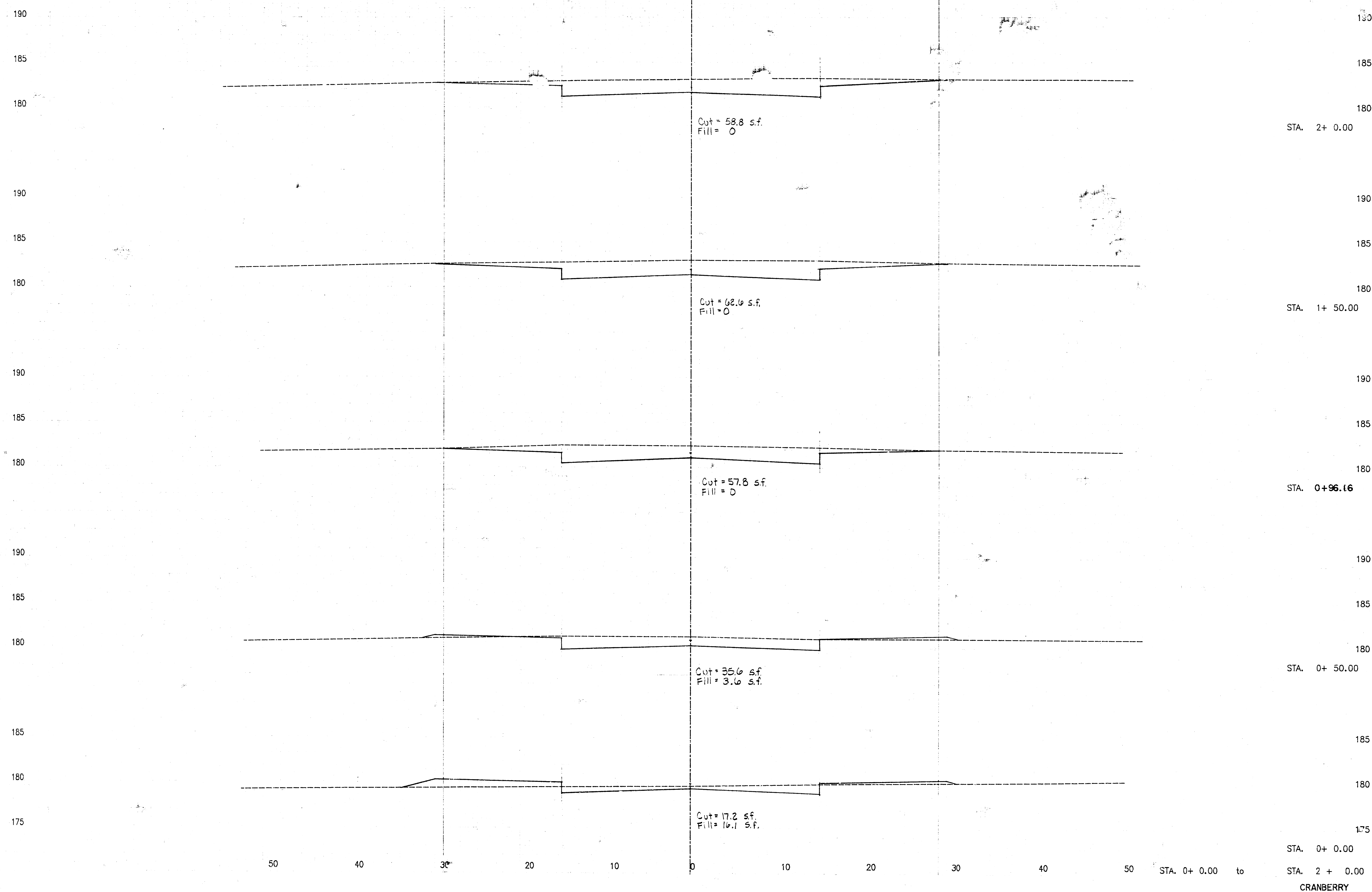
TEAL COVE 3RD
PAVING CROSS-SECTIONS
PROJECT NO. 472-81941



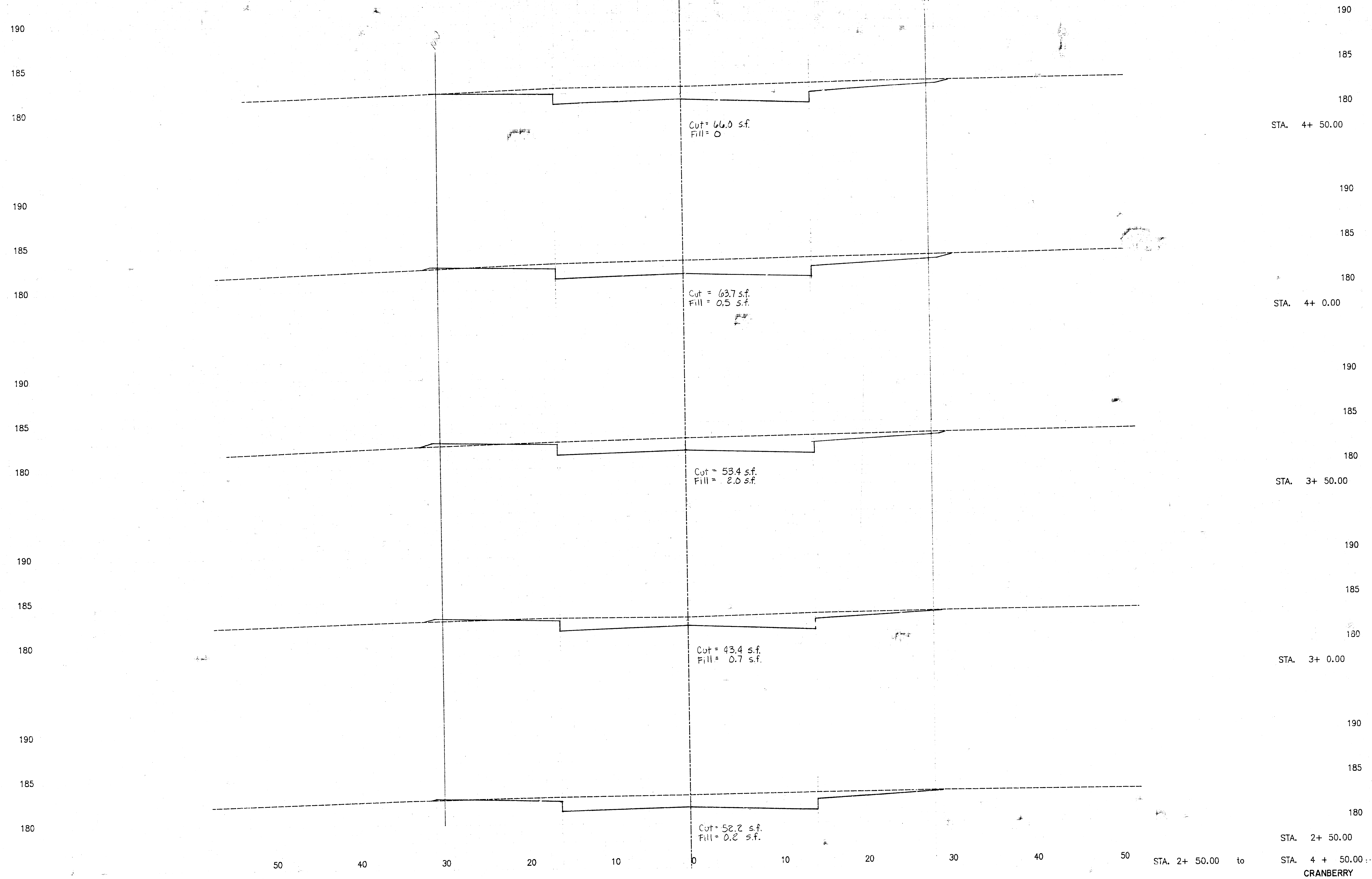
TEAL COVE 3RD
PAVING CROSS-SECTIONS
PROJ. NO. 472-81341



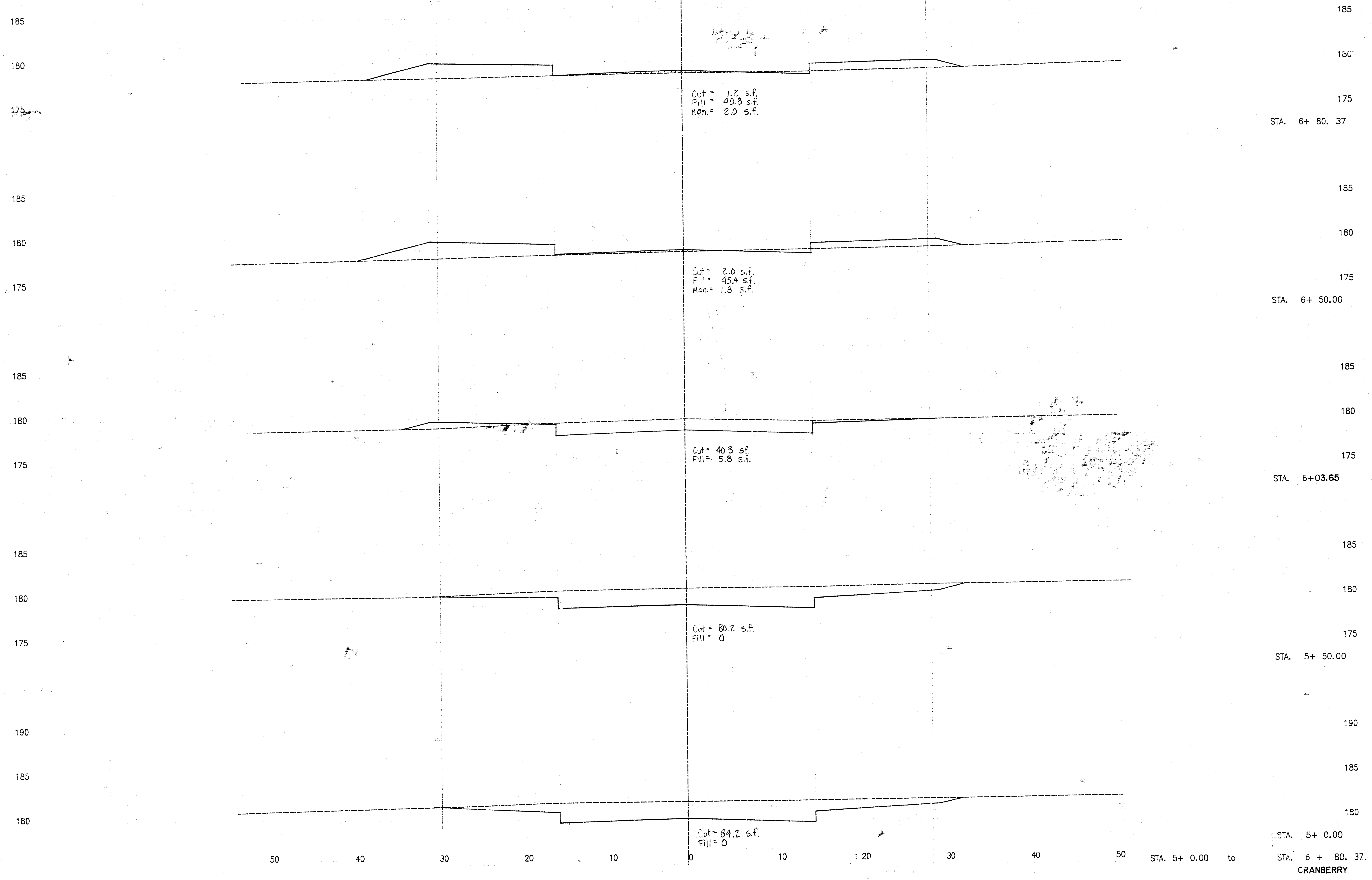
TEAL COVE 3RD
PAVING CROSS-SECTIONS
PROJECT NO. 472-81941



TEAL COVE 3RD
PAVING CROSS-SECTIONS
PROJECT NO. 472-81941



TEAL COVE 3RD
PAVING CROSS-SECTIONS
PROJECT NO. 472-81941



TEAL COVE THIRD --- EAPTHWORK QUANTITIES

TEAL COVE 3RD
PAVING CROSS-SECTIONS
PROJECT NO. 472-81941

STATION	DIST.	AREA				VOLUME			
		CUT S.F.	LF S.F.	C.F. S.F.	M.F. S.F.	CUT C.Y.	FILL C.Y.	C.F. C.Y.	M.F. C.Y.
OAKMONT									
0.00		17.0	18.2	0.0	0.0				
50.00	50.00	25.5	11.4	0.0	0.0	38.4	27.4	0.0	0.0
105.00	55.00	38.4	5.4	0.0	0.0	63.0	17.1	0.0	0.0
150.00	45.00	11.7	16.2	0.0	0.0	40.1	18.0	0.0	0.0
200.00	50.00	6.2	27.6	0.0	0.2	16.8	40.8	0.3	0.2
237.38	37.38	150.2	0.0	0.0	0.0	108.3	19.1	0.0	0.1
276.70	39.32	96.0	0.0	0.0	0.0	179.3	0.0	0.0	0.0
CRANBERRY									
0.00		17.2	16.1	0.0	0.0				
50.00	50.00	35.8	3.8	0.0	0.0	48.9	18.2	0.0	0.0
98.16	48.16	57.8	0.0	0.0	0.0	79.8	3.1	0.0	0.0
150.00	51.84	62.8	0.0	0.0	0.0	120.0	0.0	0.0	0.0
200.00	50.00	58.8	0.0	0.0	0.0	112.4	0.0	0.0	0.0
250.00	50.00	52.2	0.2	0.0	0.0	102.8	0.2	0.0	0.0
300.00	50.00	43.3	0.7	0.0	0.0	88.4	0.8	0.0	0.0
350.00	50.00	53.4	2.0	0.0	0.0	89.5	2.5	0.0	0.0
400.00	50.00	63.7	0.0	0.0	0.0	108.4	2.3	0.0	0.0
450.00	50.00	66.0	0.0	0.0	0.0	120.1	0.3	0.0	0.0
500.00	50.00	84.2	0.0	0.0	0.0	139.1	0.0	0.0	0.0
550.00	50.00	80.2	0.0	0.0	0.0	152.2	0.0	0.0	0.0
603.66	53.66	40.3	5.8	0.0	0.0	119.7	5.8	0.0	0.0
650.00	46.34	2.0	45.4	0.0	2.0	36.3	43.9	0.0	1.7
680.37	30.37	1.2	40.8	0.0	2.0	1.8	48.5	0.0	2.2
700.00	19.63	1.8	33.7	0.0	0.9	1.0	27.1	0.0	1.1
727.80	27.80	12.0	19.8	0.0	0.0	7.0	27.5	0.0	0.5
749.08	21.28	40.6	19.8	0.0	0.0	20.7	15.6	0.0	0.0
PROJECT TOTAL =						1794.9	318.2	0.0	5.8

