GENERAL NOTES

1. Utility service lines, poles, valve boxes, meters, and etc. 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.

2. The Contractor is solely responsible to notify and to make any necessary arrangements with utility companies for any needed adjustments of utility facilities prior to start of work.

3. Contractor will be required to provide as minimum advance notice of forty-eight (48) hours to utility companies prior to starting any excavation as follows:

Kansas One Call	687-2470
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

4. 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 where proposed abuts an existing surface course or pavement removal. 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 as subsidiary to the other bid items.

5. Rubble Removal - 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 US 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. The cost of disposing of rubble from the removal of miscellaneous structures and excess excavation, including loading and hauling shall be subsidiary to the other bid items.

6. 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.

7. Limits of earthwork shall match existing ground elevations at the right-of-way line unless otherwise noted on the plans. Where the new finished grade elevations do not match the existing ground elevations, 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.

8. Driveway widths and locations shown on the plan are tentative. Contractor will be required to obtain properly executed driveway request form signed 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.

9. The Contractor shall give all property owners and/or tenants of developed property abutting the project limits a minimum of ten (10) days advance notice prior to start of construction.

10. Any fence removed for construction shall be repaired in a condition equal to, or better than original, at no additional cost to the owner. This cost shall be considered as subsidiary to other bid items.

11. The Contractor must examine the construction site prior to bidding and be satisfied as to the work shown for completion. After bids have been received, the Contractor shall not assert that there was a misunderstanding of the quantities of work or of the nature of the work to be completed.

12. All construction and materials, unless otherwise noted, to comply with City of Wichita specifications and standards.

13. The Contractor shall be responsible for the acquisition of any additional right-of-ways or easements necessary to complete the work. This cost shall be considered as subsidiary to other bid items.

14. Mailboxes within the limits of the project shall be removed and replaced by the Contractor as approved by the Engineer. Contractor will be required to make satisfactory provisions for mail delivery to properties affected by this project during its construction. This cost is subsidiary to other bid items.

15. 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. This cost is subsidiary to other bid items.

16. 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. This cost is subsidiary to other bid items.

17. Contractor shall give property owners abutting this project, whose yards will be lower than the new finished grade elevations at the right-of-way line, an opportunity to utilize excess excavated material from the project to regrade their yards to drain to the new pavement. Contractor will be required to dump and spread the excess material as required by the specifications when requested by the property owner. The Contractor shall ascertain that a dirt order form has been properly executed by the property owner before any such excess material is delivered to such properties.

18. The Contractor shall adjust water valve boxes and fire hydrants as directed by the Engineer. This cost is subsidiary to other bid items. The Water Department shall field locate water valves one time during construction when requested by the 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.

19. The project limits may have underground sprinkler systems which conflict with new construction. Contractor will be required to remove such improvements should they not be removed by their owner at the time of construction of the project. The Contractor will be required to salvage all sprinkler heads and/or valves and give such material to their owner. Portions of underground sprinkler systems not in conflict with new construction shall be protected from damage and shall remain in place. All work in connection with underground sprinkler systems shall be considered as subsidiary to the contract pay items of work.

20. **THE EXISTING ELEVATIONS MAY DIFFER FROM THOSE SHOWN ON THE PLAN CROSS SECTIONS. IT IS DUE TO THE TEMPORARY ROAD BUILT BY OTHERS. THE CONTRACTOR WILL BE PAID ONLY AS PER PLAN ON EARTH WORK QUANTITIES.**

PAVING PLANS FOR
RAINBOW LAKES WEST THIRD ADDITION

RACEHORSE: FROM THE NL OF LOT 36, BLK 2 TO THE WL OF RAINBOW LAKE RD

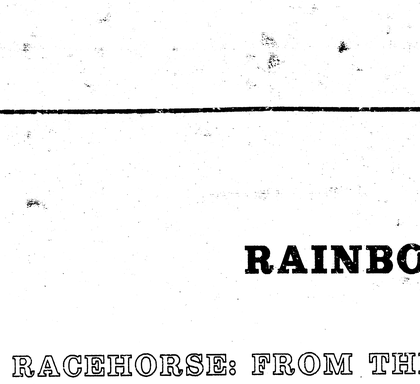
RAINBOW LAKE RD: FROM THE SL OF LOT 2, BLK 2, TO THE NL OF LOT 4, BLK 1

PROJ. NO. 472-82377

INDEX NO. 762104

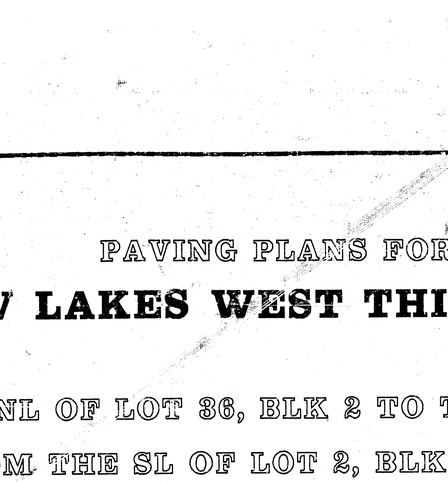
CITY OF WICHITA, KANSAS

M. E. LINDEBAK - CITY ENGINEER



Improvement District Boundary

Area Signed



LOCATION MAP

INDEX OF SHEETS

1. TITLE SHEET
2-3. PAVING DETAILS
4-6. PAVING PLANS
7. DRAINAGE PLANS
8. CURB INLET DETAIL, TYPE 1
9. DRIVE DETAILS
10-11. ADDITION PLATS
12. CROSS SECTIONS

B.M.'S.

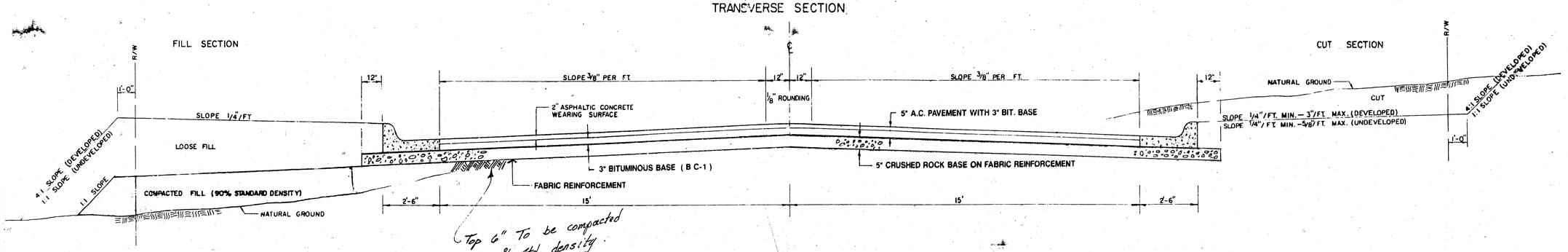
1. TOP OF THIMBLE, SOUTH OF THE SOUTHEAST CORNER OF RAINBOW LAKES WEST THIRD ADDITION. ELEV. 1322.25
2. R.R. SPIKE FIRST P.P. SOUTH OF BELL RANCH ENTRANCE. ELEV. 1349.90
3. R.R. SPIKE IN P.P. SOUTHEAST CORNER OF THE INTERSECTION OF 135th ST & CENTRAL AVE. ELEV 1349.53
4. " □ " TOP OF CURB @ N.W. COR. LOT 1, BLK 2, RAINBOW LAKES WEST 3RD ADD. ELEV 1331.48

Storm Sewer Booked 8-9-94 MCS

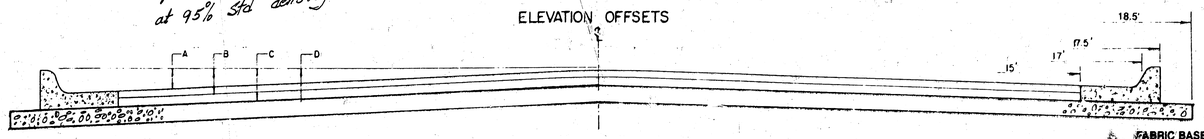
TYPICAL 35' PAVEMENT DETAILS

2 / 12

TRANSVERSE SECTION



ELEVATION OFFSETS

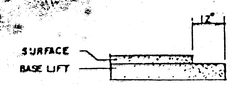


	DISTANCE FROM CENTERLINE (LT. & RT.)												
	0'	2'	4'	6'	8.5'	10'	12'	14'	15'	17'	17.5'		
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.04	0.08	0.14	0.21	0.29	0.33	0.39	0.46	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF BASE LIFT	0.21	0.25	0.31	0.37	0.45	0.50	0.56	0.62	0.65	—	—	—	—
C: TOP OF CURBS TO TOP OF ROCK BASE LIFT	0.46	0.50	0.56	0.63	0.71	0.75	0.81	0.88	0.91	0.98	1.00		—
D: TOP OF CURBS TO TOP OF SUBGRADE													

FABRIC BASE REINFORCEMENT SHALL BE B X 1100 BY TENSAR CORPORATION OR LBQ201 BY TENAX CORPORATION OR APPROVED EQUAL.

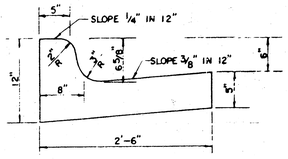
FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURES RECOMMENDATIONS. CRUSHED ROCK SHALL BE UNIFORMLY GRADED FROM 1 - 1/2" MAXIMUM SIZE TO NOT MORE THAN 10% PASSING A NO. 200 SIEVE. ROCK QUALITY SHALL BE THE SAME AS SPECIFIED FOR COARSE AGGREGATE FOR CONCRETE MIXES.

TRANSVERSE CONSTRUCTION JOINTS

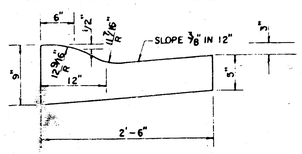


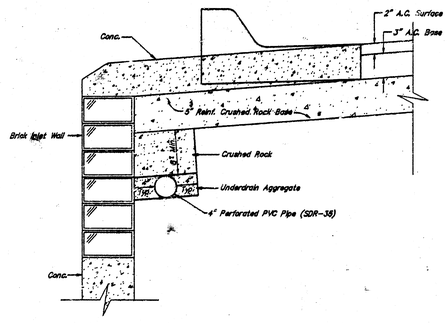
TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 5" ASPHALTIC CONCRETE PAVEMENT (3" BITUMINOUS BASE)

COMBINED CURB & GUTTER

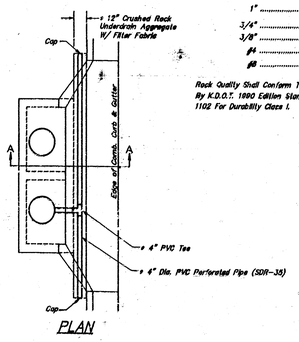


ROLL TYPE COMBINED CURB & GUTTER





TRENCH DRAIN DETAIL FOR RES. STREETS
1"=1'

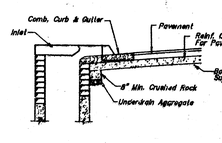


PLAN

* 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

GENERAL NOTES

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.

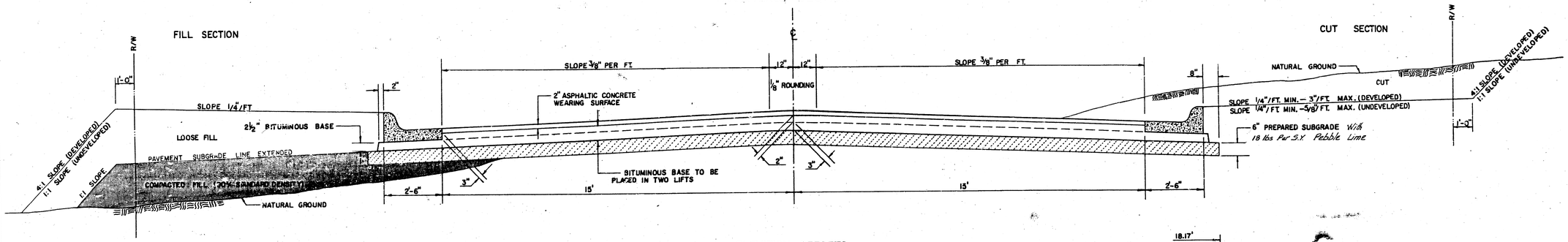
REVISED 1-3-93 JKB

5" RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH CRUSHED ROCK BASE ON FABRIC REINFORCEMENT
INDEX # 762104

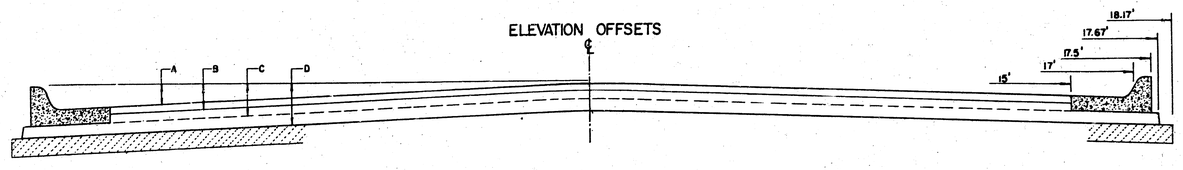
10 T S 36

TYPICAL 35' PAVEMENT DETAILS

TRANSVERSE SECTION

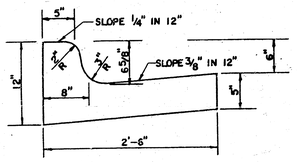


ELEVATION OFFSETS

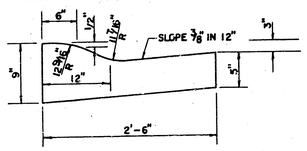


	DISTANCE FROM CENTERLINE (LT. & RT.)												
	0'	2'	4'	6'	8.5'	10'	12'	14'	15'	17'	17.5'	17.67'	18.17'
A: TOP OF CURBS TO TOP OF SURFACE LIFT	0.04	0.08	0.14	0.21	0.29	0.33	0.39	0.46	0.49	—	—	—	—
B: TOP OF CURBS TO TOP OF UPPER BASE LIFT	0.21	0.25	0.31	0.37	0.45	0.50	0.56	0.62	0.65	—	—	—	—
C: TOP 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.

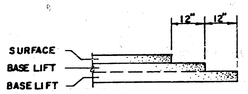
3) A TACK COAT OF EMULSIFIED ASPHALT (SC-1H OR CSS-1H) SHALL BE APPLIED AT AN APPROXIMATE RATE OF 0.05 GALLONS PER SQUARE YARD BETWEEN EACH LIFT OF ASPHALTIC MATERIAL.

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



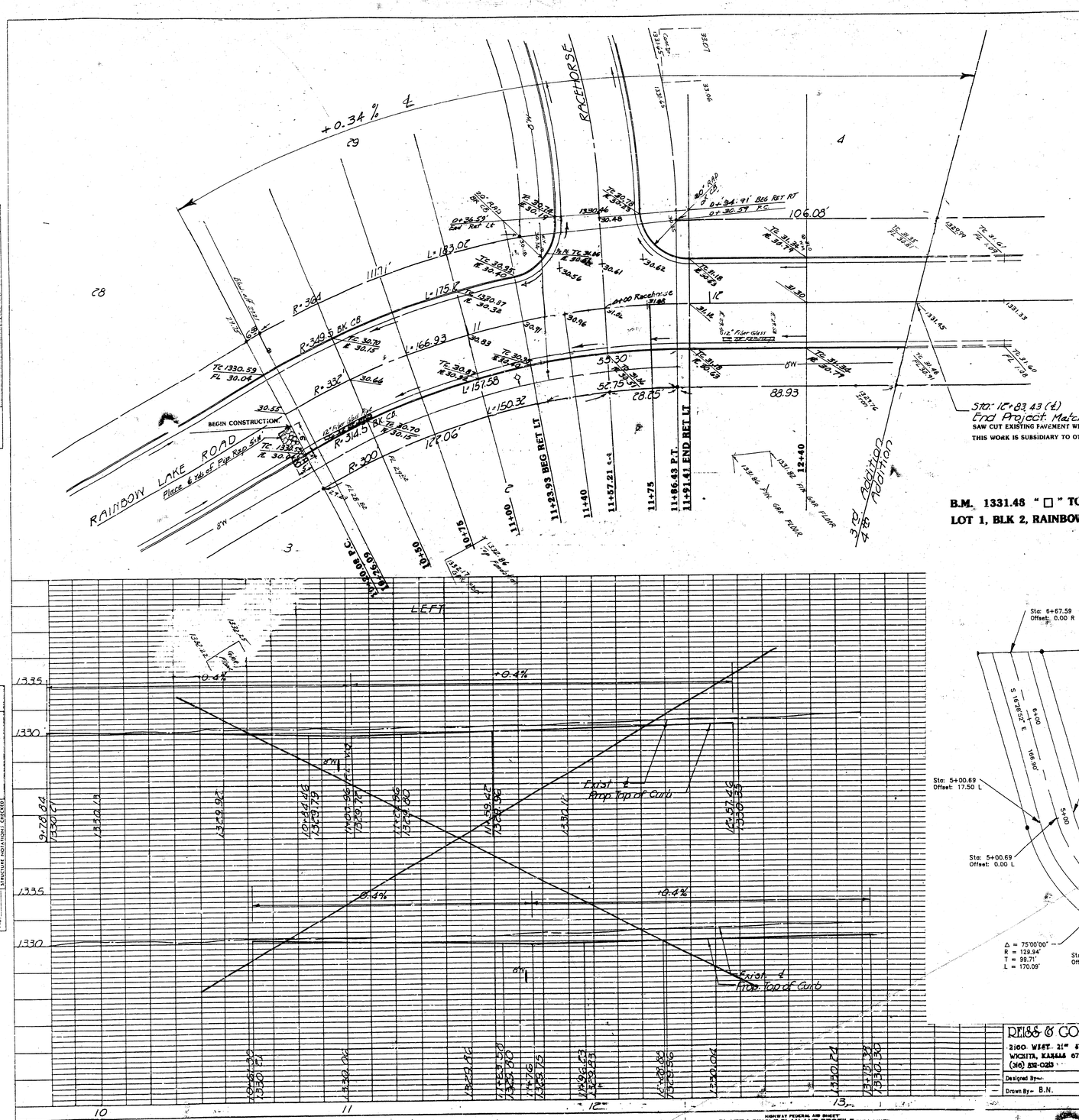
TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN FLEXIBLE BASE PAVEMENTS AT LOCATIONS WHERE PAVEMENT JOINS EXISTING FLEXIBLE BASE PAVEMENT AS SHOWN BY THE DETAIL. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF THE TRANSVERSE JOINT SHALL BE INCLUDED IN THE BID PRICE FOR SQUARE YARDS 7" ASPHALTIC CONCRETE (5" BITUMINOUS BASE).

7 INCH RESIDENTIAL ASPHALTIC CONCRETE PAVEMENT WITH 5 INCH BITUMINOUS BASE

CITY OF WICHITA, KANSAS

PROJECT NUMBER

INDEX # 762104

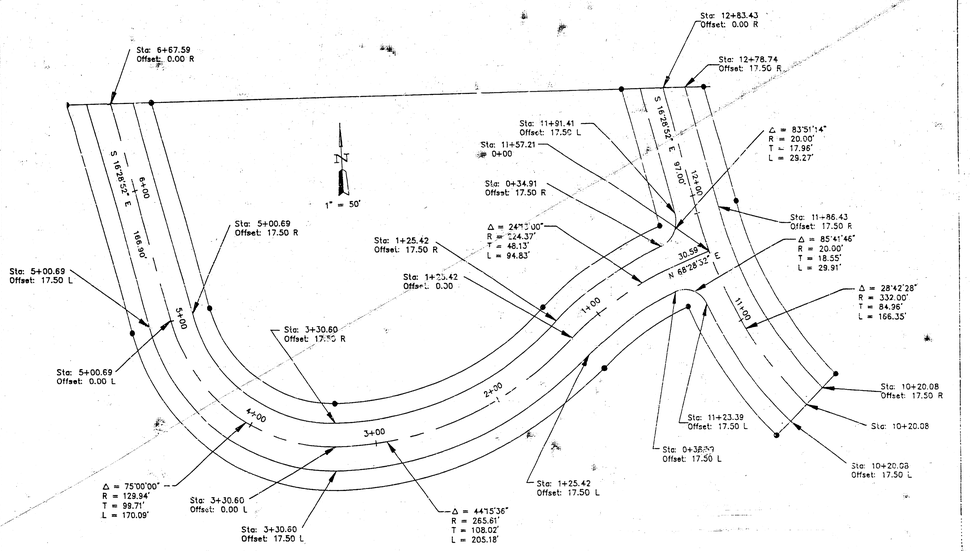


CURVE DATA BASED ON ℄				Def/ft = 5.171329 MIN
Δ = 28°42'28" R = 332' T = 84.96 L = 166.35'				
℄ STATION	℄ ARC LENGTH (ft)	CHORD LENGTH 8' @ Rt. FC. CB. (ft)	CHORD LENGTH 8' @ Lt. FC. CB. (ft)	TOTAL DEFLECTION (° ' ")
10+20.08 P.C.	—			
10+25	4.92'	4.55'	5.29'	0° 25' 28"
10+50	25'	23.11	26.88	2 34 54
10+75	25'	23.11	26.88	4 44 20
11+00	25'	23.11	26.88	6 53 46
11+23.93 Beg. Ret. Lt.	23.93	22.12	25.72	8 57 40
11+40	16.07	14.86	17.28	10 20 52
11+57.21 ℄ ⌀ ℄	17.21	15.91	18.50	11 49 58
11+75	17.79	16.45	19.13	13 22 04
11+86.43 P.T.	11.43'	11.43	10.57	14 21 15

NOTE: ALL ELEVATIONS ARE GIVEN IN MEAN SEA LEVEL (CITY DATUM = MEAN SEA LEVEL LESS 1187.4)

B.M. 1331.48 " □ " TOP OF CURB @ N.W. COR. LOT 1, BLK 2, RAINBOW LAKES WEST 3RD ADD.

PLAN: Lot. ℄ Long. SCALE 20' 0' 20' 40'
PROFILE: Horiz. Same as above
Vert. 5' 0'



PLAN: SURVEYED, PLOTTED, NOTE BOOK, No., ALIGNMENT CHECKED, R.O.W. NOTED, ST. OF WAY CHECKED, BY, DATE

PROFILE: SURVEYED, PLOTTED, NOTE BOOK, No., GRADES CHECKED, R.O.W. NOTED, STRUCTURE NOTATIONS CHECKED, BY, DATE

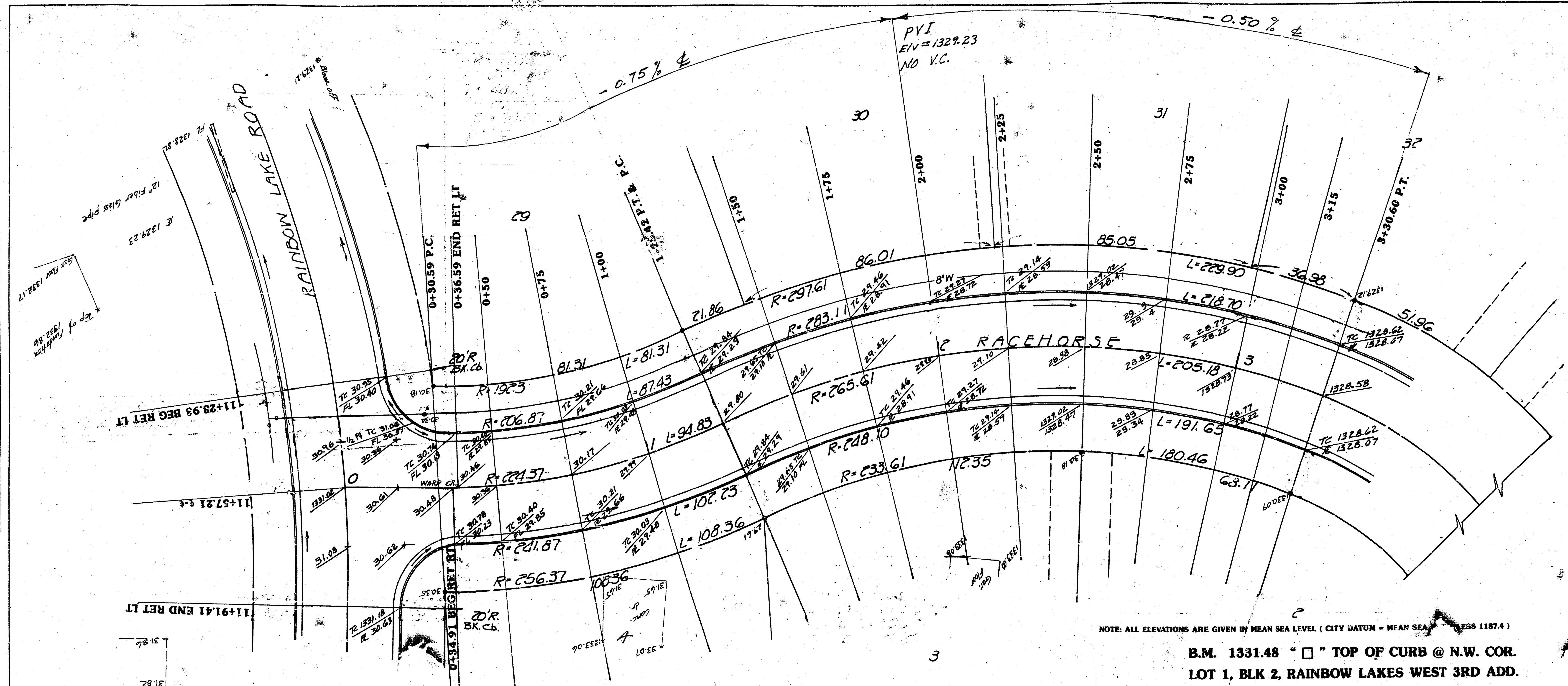
HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
"FILE NO."
PRINTED IN U.S.A.

REISS & GOODNESS ENGINEERS
2160 WEST 21ST STREET
WICHITA, KANSAS 67204
(316) 832-0233
Designed By —
Drawn By B.N.
Job No. —
Date 8-22-80

SEDGWICK COUNTY DEPARTMENT OF PUBLIC WORKS
RAINBOW LAKES WEST THIRD ADDITION
RAINBOW LAKE ROAD
10+20.08 to 12+84.52

No.	Revision	By
1	CHANGED TO PHASES	hh 3-10-81

INDEX # 762104 Sheet 4 of 4



NOTE: ALL ELEVATIONS ARE GIVEN IN MEAN SEA LEVEL (CITY DATUM = MEAN SEA LESS 1187.4)

B.M. 1331.48 " □ " TOP OF CURB @ N.W. COR.
LOT 1, BLK 2, RAINBOW LAKES WEST 3RD ADD.

CURVE DATA BASED ON ℄ Def/Ft = 7.660888 MIN
Δ = 24° 13' 00" R = 224.37 T = 48.13 L = 94.83

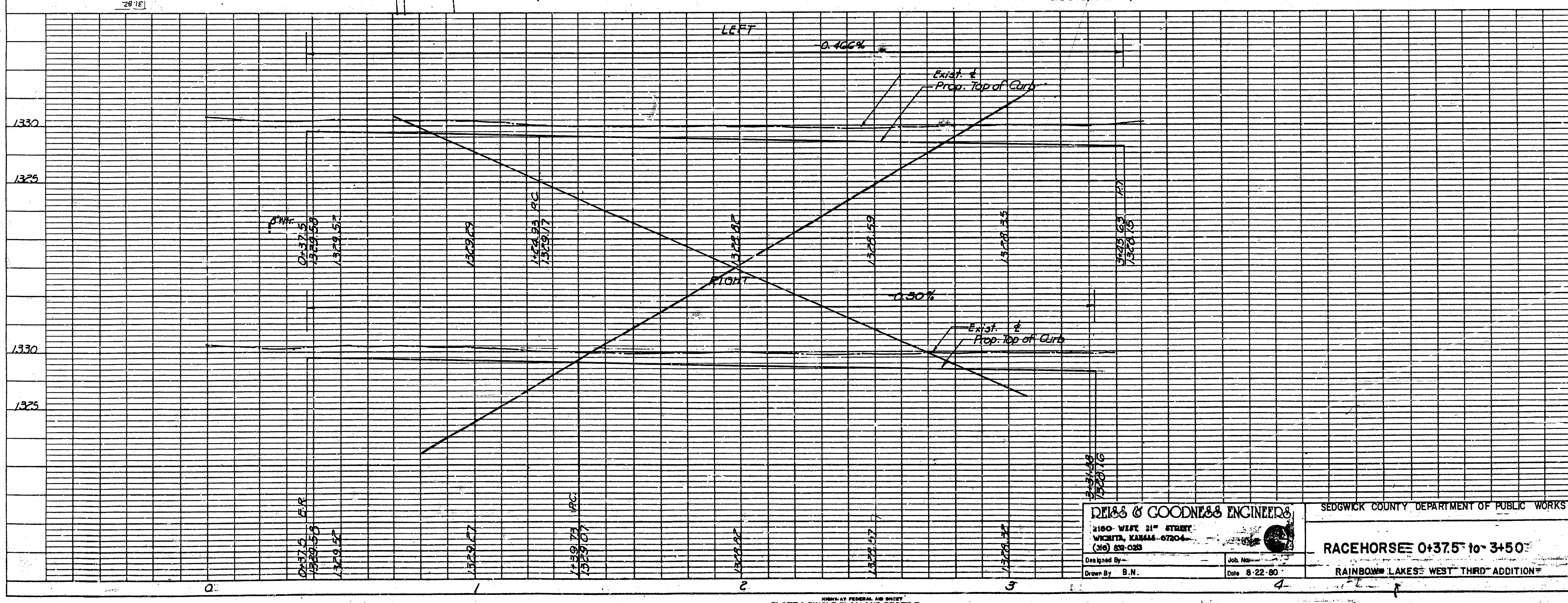
℄ STATION	℄ ARC LENGTH (Ft)	CHORD LENGTH 8' Ⓢ RT Fc. Cb. (Ft)	CHORD LENGTH 8' Ⓢ Lt. Fc. Cb. (Ft)	TOTAL DEFLECTION (° ' ")
0+30.59 P.C.	—			
0+34.91 End Ret. Rt.	4.32'	4.80'	3.84'	0° 33' 06"
0+36.59 End Ret. Lt.	1.68	1.87	1.49	0 45 58
0+50	13.41	14.90	11.91	2 28 42
0+75	25	27.77	22.20	5 40 13
1+00	25	27.77	22.20	8 51 45
1+25.42 P.T.	25.42	28.24	22.58	12 06 29

CURVE DATA BASED ON ℄ Def/Ft = 6.471418 MIN
Δ = 44° 15' 36" R = 265.61' T = 108.02' L = 205.18

℄ STATION	℄ ARC LENGTH (Ft)	CHORD LENGTH 8' Ⓢ Rt Fc. CB. (Ft)	CHORD LENGTH 8' Ⓢ Lt Fc. Cb. (Ft)	TOTAL DEFLECTION (° ' ")
1+25.42 P.C.	—			
1+50	24.58'	22.26'	26.88'	2° 39' 04"
1+75	25	22.64	27.34	5 20 51
2+00	25	22.64	27.34	8 02 38
2+25	25	22.64	27.34	10 44 25
2+50	25	22.64	27.34	13 26 13
2+75	25	22.64	27.34	16 07 60
3+00	25	22.64	27.34	18 49 47
3+15	15	13.59	16.[illegible]	20 26 51
3+30.60 P.T.	15.60	14.13	17.07	22 07 48

SCALE 20' 0 20' 40'
PLAN: Lot. & Long.
PROFILE: Horiz. same as above
Vert. 0' 5'

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
No.	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		



PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
No.	GRADES CHECKED		
	B. M.'s NOTED		
	STRUCTURE NOTATIONS CHECKED		

PHASE 3

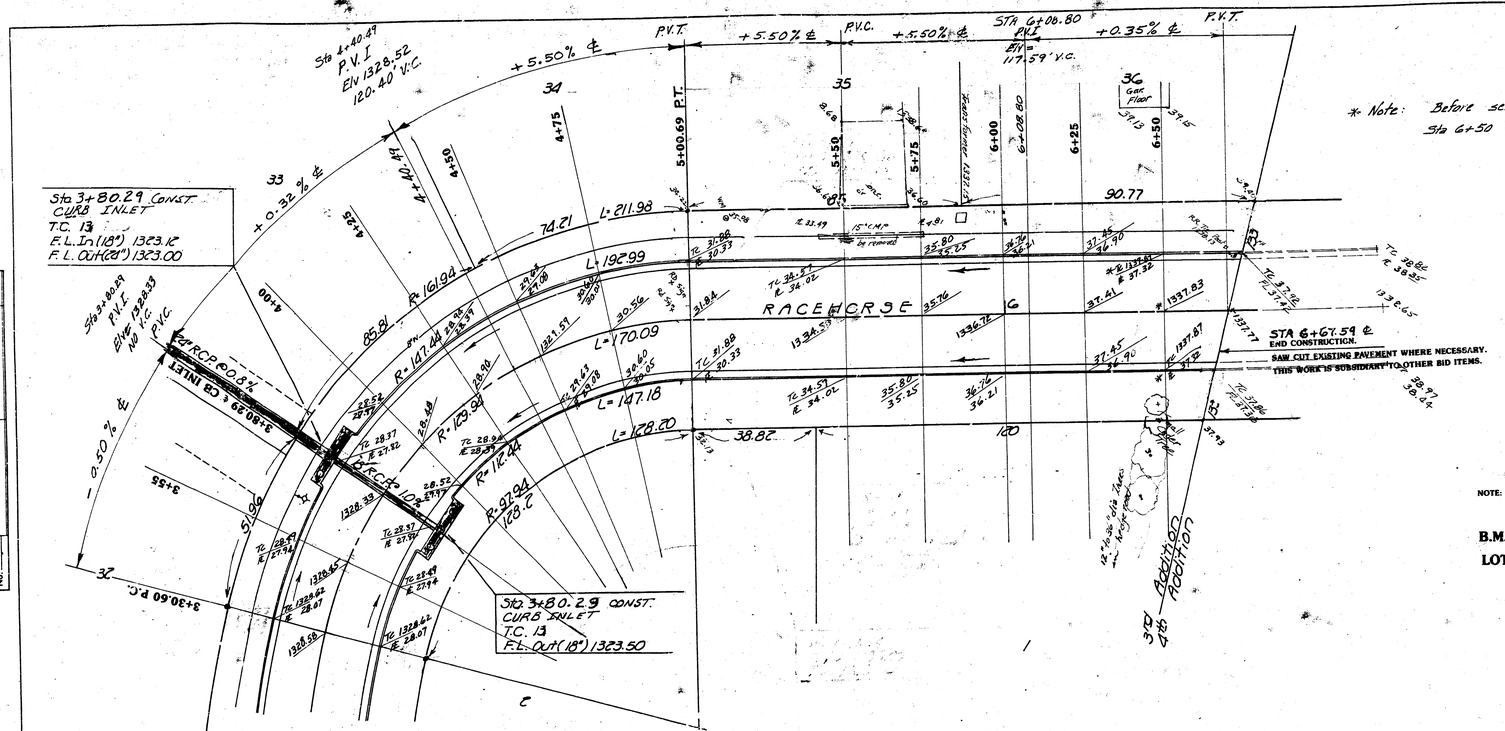
REISS & GOODNESS ENGINEERS
2160 WEST 21st STREET
WICHITA, KANSAS 67204
(316) 832-0213
Designed By —
Drawn By B.N.
Job No. —
Date 8-22-80

SEDGWICK COUNTY DEPARTMENT OF PUBLIC WORKS
RACEHORSE 0+37.5 to 3+50
RAINBOW LAKES WEST THIRD ADDITION

No.	Revision	By
1	CHANGED TO PHASES	bn 3-10-81

INDEX # 762104 Sheet 5 of 12

HIGHWAY FEDERAL AID SHEET
PLATE 1-SINGLE PLAN AND PROFILE-FULL LINE
TELEDYNE
PRINTED IN U.S.A.



* Note: Before setting grades at Sta 6+50 Verify existing elevation

CURVE DATA BASED ON ℄ Def/R = 13.222826 Min
Δ = 75° R = 129.94' T = 99.71' L = 170.09

℄ STATION	℄ Arc Length (a)	Chord Length 8'ⓢ Rt Fr. Ch. (fc)	Chord Length 8'ⓢ Lt Fr. Ch. (fc)	TOTAL DEFLECTION (° ' ")
3+30.60 P.C.	—			
3+55	24.40	19.68	29.05'	5° 22' 46"
3+80.29 ℄ CB. Inlet	25.29	20.39	30.11	10 57 19
4+00	19.71	15.90	23.48	15 18 04
4+25	25	20.16	29.76	20 48 4
4+50	25	20.16	29.76	26 19 27
4+75	25	20.16	29.76	31 50 09
5+00.69 P.I.	25.69	20.71	30.58	37 29 59

NOTE: ALL ELEVATIONS ARE GIVEN IN MEAN SEA LEVEL (CITY DATUM = MEAN SEA LEVEL LESS 1187.4)

B.M. 1331.48 " □ " TOP OF CURB @ N.W. COR.
LOT 1, BLK 2, RAINBOW LAKES WEST 3RD ADD.

SCALE:
20' 0' 20' 40'
PLAN: Lat. & Long.
PROFILE: Horiz. same as above
Vert.

PLAN: SURVEYED ___ PLOTTED ___ DESIGNS CHECKED ___ QUANTITIES CHECKED ___ NOTE BOOK ___ R. W.'s NOTED ___ No. ___ STRUCTURE NOTATIONS CHECKED ___ DATE ___ BY ___

PROFILE: SURVEYED ___ PLOTTED ___ DESIGNS CHECKED ___ QUANTITIES CHECKED ___ NOTE BOOK ___ R. W.'s NOTED ___ No. ___ STRUCTURE NOTATIONS CHECKED ___ DATE ___ BY ___

REISS & GOODNESS ENGINEERS
660 WEST 21st STREET
WICHITA, KANSAS 67204
(316) 832-0325
Designed By: ___ Job No. ___
Drawn By B.N. Date 9-22-80

SEDGWICK COUNTY DEPARTMENT OF PUBLIC WORKS
RACEHORSE 3+50 to 6+70
RAINBOW LAKES WEST THIRD ADDITION

PHASE 3

No.	Revisions	By	Date
1	CHANGED TO PHASE 3	bn	3-10-81

INDEX # 782104 Sheet 6 of 12

HIGHWAY FEDERAL AID SHEET
PLATE 1 SINGLE PLAN AND PROFILE-FULL LINE
TITELEDWG
PRINTED IN U.S.A.

NOTE: ALL ELEVATIONS ARE GIVEN IN MEAN SEA LEVEL (CITY DATUM = MEAN SEA LEVEL LESS 1187.4)

B.M. 1331.48 " □ " TOP OF CURB @ N.W. COR.
LOT 1, BLK 2, RAINBOW LAKES WEST 3RD ADD.

CURVE DATA BASED ON ℄ Def/ft = 13.228208 Min
Δ = 75° R = 129.94' T = 99.71' L = 110.09

℄ STATION	℄ Arc Length (ft)	Chord Length 8'@ Rt. Fr. Ch. (ft.)	Chord Length 8'@ Lt. Fr. Ch. (ft.)	TOTAL DEFLECTION (° ' ")
3+30.60 P.C.	—			
3+55	24.40	19.68'	29.05'	5° 22' 46"
3+80.29 ℄ Cb. Inlet	25.29	20.39	30.11	10 57 19
4+00	19.71	15.90	23.48	15 18 02
4+25	2.5	20.16	29.76	20 48 45
4+50	2.5	20.16	29.76	26 19 27
4+75	2.5	20.16	29.76	31 50 09
5+00.69 P.T.	25.69	20.71	30.58	37 29 59

STA 0+00=℄ PAVING STA 3+80.29, 20.67 LT
CONSTRUCT STD TYPE 1A CURB INLET
L=16'-4", W=4'-4" TOP CURB ELEV 1328.37
FLOW OUT (18") 1323.50

STA 0+41.34=℄ PAVING STA 3+80.29, 20.67 RT
CONSTRUCT STD TYPE 1A CURB INLET
L=16'-4", W=4'-4" TOP CURB ELEV 1328.37
FL IN (18") 1323.12 FL ØUT (24") 1323.00

38 L.F. - 18" R.C.P. @ -1.0% Grade

159 L.F. - 24" R.C.P. @ -0.8% Grade

165 L.F. - 24" R.C.P. @ -0.40% Grade

L.F. - 18" R.C.P. @ -1.18% Grade

32' Drainage Easement

75' 30' Drainage Easement

Place rip-rap 9 cy. 9'x9'

Place rip-rap 1/8 cy. max. - 1/16 cy. min.

Sta. 1+97 Install a 24" R.C.P. End Section F.L. Out (24") 1321.73

Sta. 2+10 Install a 24" R.C.P. End Section F.L. Out (24") 1321.65

Sta. 0+00 (0+94.5 p/vg.) Const. Inlet (3 openings) T.C. 1327.00 F.L. Out 1322.60

Sta. 0+39 (0+94.5 p/g.) Const. Inlet (3 openings) T.C. 1327.00 F.L. In (18") 1322.15 F.L. Out (24") 1322.05

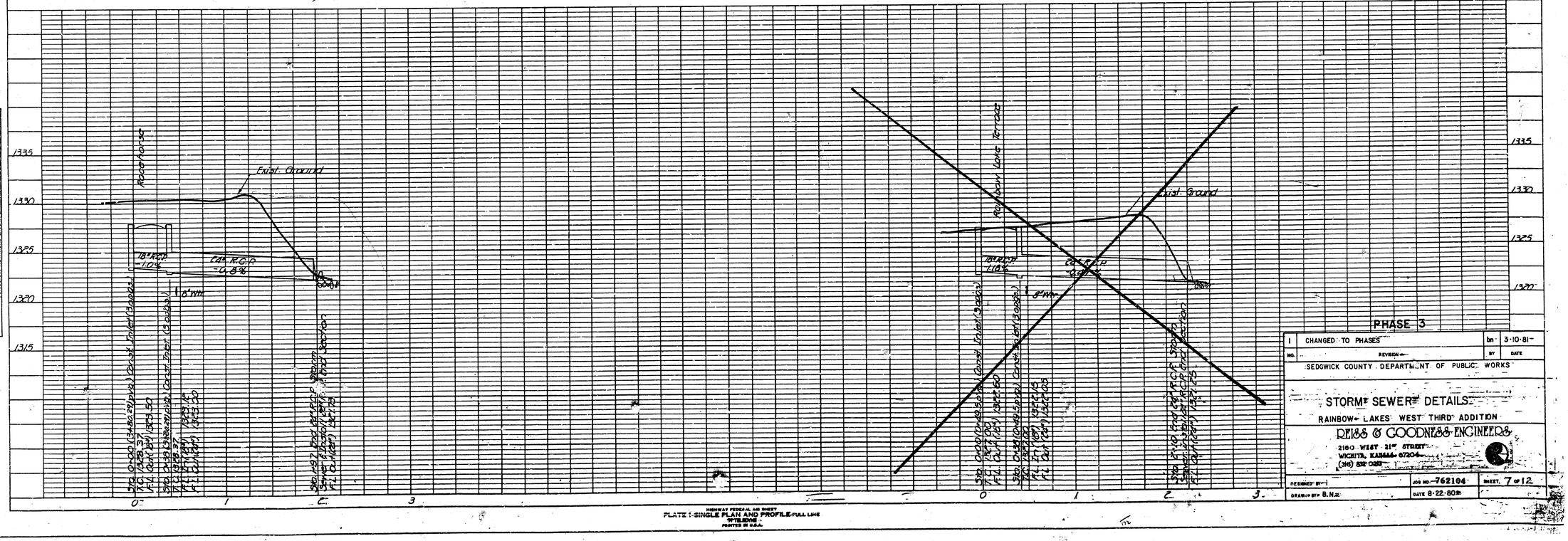
RACEHORSE

RAINBOW LAKE TERRACE

Block 2

SCALE
50' 0' 50' 100'

PLAN: Lat. & Long.
PROFILE: same as above
Vert. ——



PHASE 3

NO.	REVISION	BY	DATE
1	CHANGED TO PHASES	bn	3-10-81

SEDGWICK COUNTY DEPARTMENT OF PUBLIC WORKS

STORM SEWER DETAILS

RAINBOW LAKES WEST THIRD ADDITION

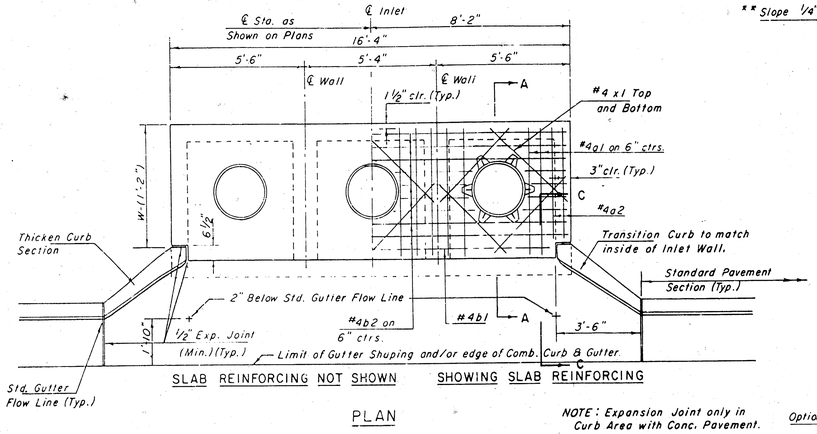
REISS & GOODNESS ENGINEERS
2160 WEST 21ST STREET
WICHITA, KANSAS 67203
(316) 832-0283

DESIGNED BY —
DRAWN BY B.N.H.
JOB NO. 762104
DATE 8-22-80
SHEET 7 of 12

PLAN — SURVEYED — PLOTTED — NOTE BOOK — No. — ALIGNMENT CHECKED — BY — DATE

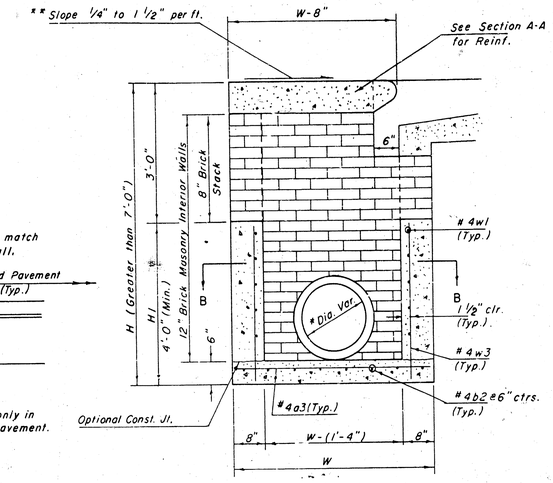
PROFILE — SURVEYED — PLOTTED — NOTE BOOK — No. — GRADES CHECKED — B. M.'s NOTED — STRUCTURE LOCATIONS CHECKED — BY — DATE

NORWAY FEDERAL AD SHEET
PLATTE 1 - SINGLE PLAN AND PROFILE - FULL LINE
TRUELINE
PRINTED IN U.S.A.



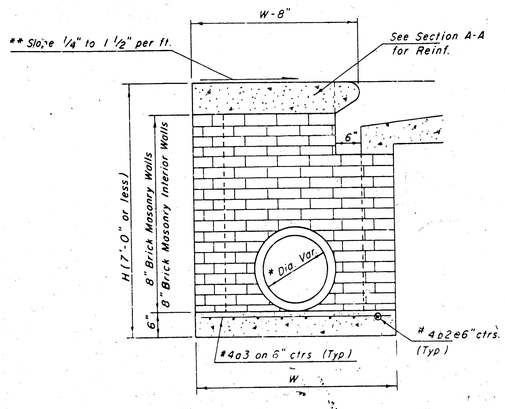
PLAN

NOTE: Expansion Joint only in Curb Area with Conc. Pavement.



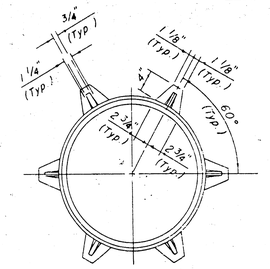
TYPICAL INLET SECTION AT INTERIOR WALL

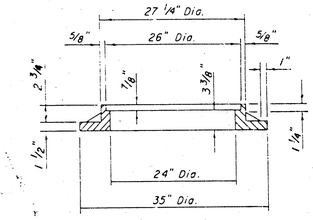
(Reinforced Concrete Walls)



TYPICAL INLET SECTION AT INTERIOR WALL

(Masonry Walls)

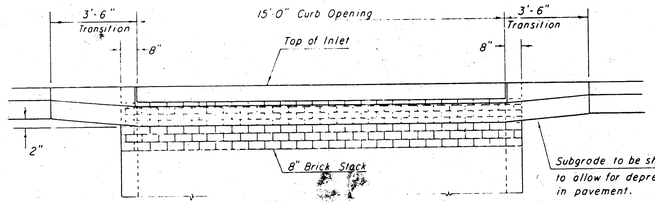




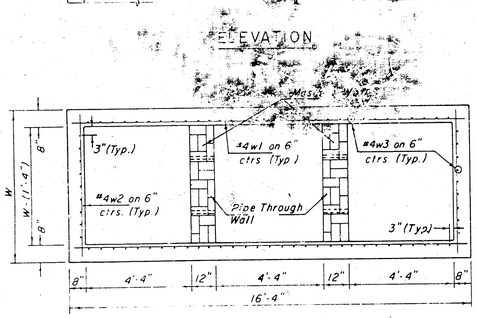
CAST IRON MANHOLE RING

Wt. 180 Lbs.

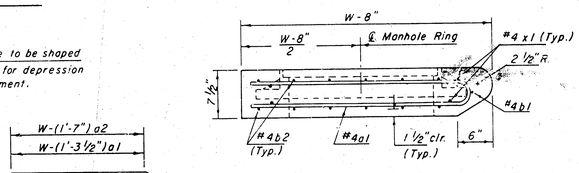
See City of Wichita Standard Manhole Frame and Cover Detail Sheet for Cover Details to be used with Inlet Frame.



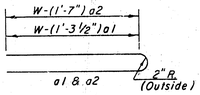
ELEVATION



SECTION B-B



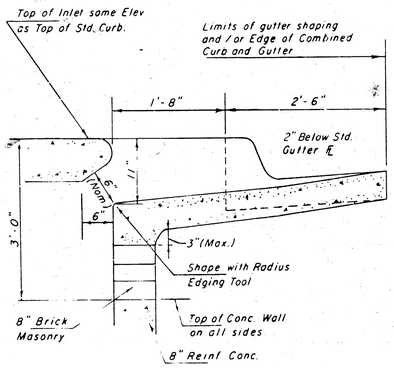
SECTION A-A



BENDING DIAGRAM

GENERAL NOTES

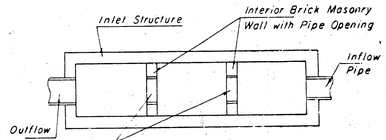
1. THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP WHEN W = 6'-4" OR LESS AND H = 7'-0" OR LESS. WHEN W IS GREATER THAN 6'-4" AND H IS LESS THAN 7'-0", THE OUTSIDE INLET WALLS BELOW THE BRICK STACK SHALL BE REINFORCED CONCRETE CONSTRUCTION.
2. 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.
3. CONCRETE SHALL BE C.O.W. STANDARD PAVING MIX. ALL EXPOSED EDGES SHALL BE FINISHED WITH AN EDGING TOOL. REINFORCING BARS SHALL BE FIELD BENT OR CUT TO CLEAR PIPES AND INLET RING. ALL BARS ARE #4 BARS AT 6" SPACING AND SHALL HAVE A MINIMUM CLEARANCE OF 1 1/2" UNLESS OTHERWISE NOTED.
4. CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST.
5. THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.



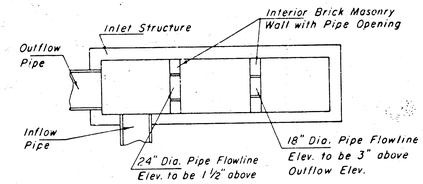
SECTION C-C

* An Interior Wall Opening shall be provided by means of a section of Reinforced Conc. Pipe. See CASE I and CASE II.

** Slope of Inlet Top to match Sidewalk or Parking Slope within the Limits indicated.



CASE I



CASE II

NOTE Interior Wall Pipe Size shall be as specified in the Inlet Construction Note on the Plan / Profile Sheets for those Cases not shown here.

PRECAST SLAB AND FLOOR REINFORCING												
		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"		
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	
#a1	#4	20	6'-7"	20	8'-7"	20	10'-7"	20	12'-7"	20	14'-7"	
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"	
a3	#4	33	4'-1"	33	5'-1"	33	6'-1"	33	7'-1"	33	8'-1"	
b1	#4	1	14'-9"	1	14'-9"	1	14'-9"	1	14'-9"	1	14'-9"	
†b2	#4	23	16'-1"	29	16'-1"	35	16'-1"	41	16'-1"	47	16'-1"	
x1	#4	24	3'-10"	24	4'-2"	24	4'-6"	24	4'-10"	24	5'-2"	
WALL REINFORCING												
		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"		
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length	
w1	#4	①	16'-1"	①	16'-1"	①	16'-1"	①	16'-1"	①	16'-1"	
w2	#4	①	4'-1"	①	5'-1"	①	6'-1"	①	7'-1"	①	8'-1"	
w3	#4	72	②	76	②	80	②	84	②	88	②	

† Field bend or cut Reinforcing as required for clearance.

① 4(H1-12") ; (H1-12") Round down to nearest 0.5'.

② H1-3"

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	SIDE OR INTERIOR WALL PIPE SIZE	CU. YD. CONC.
4'-4"	3'-8"x 16'-4"x 7 1/2"	21" & Smaller	1.20±
5'-4"	4'-8"x 16'-4"x 7 1/2"	24" & 30"	1.58±
6'-4"	5'-8"x 16'-4"x 7 1/2"	36" & 42"	1.95±
7'-4"	6'-8"x 16'-4"x 7 1/2"	48" & 54"	2.33±
8'-4"	7'-8"x 16'-4"x 7 1/2"	60" & 66"	2.70±

Revised 2-17-89

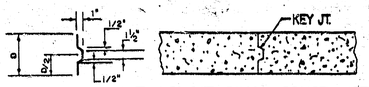
DETAIL STANDARD TYPE IA CURB INLET

INLET OPENING = 6"x15'-0"

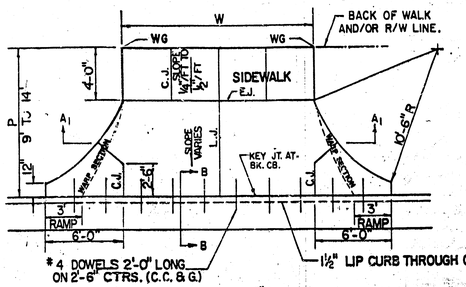
CITY OF WICHITA

M.E. LINDEBAK, CITY ENGINEER

JANUARY 1989

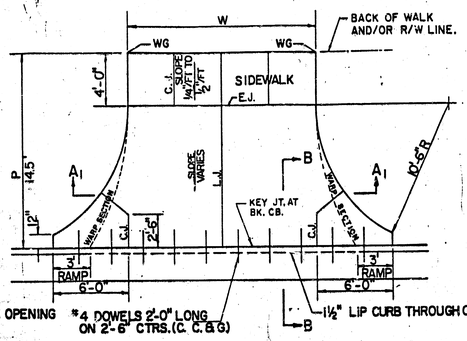


ALT. LONGITUDINAL CONSTRUCTION JOINT



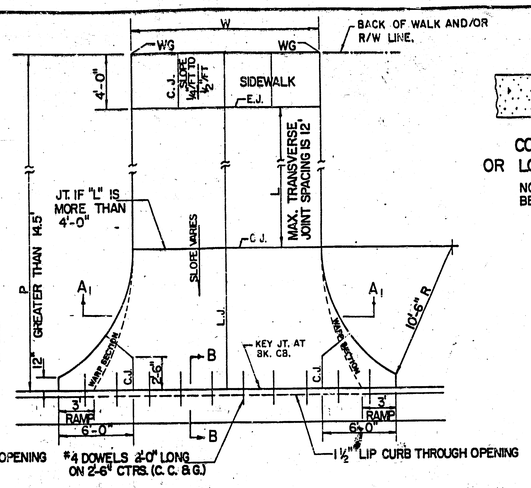
*4 DOWELS 2'-0" LONG ON 2'-6" CTRS. (C. C. & G.)

1½" LIP CURB THROUGH OPENING



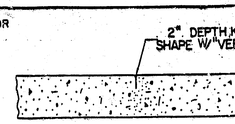
*4 DOWELS 2'-0" LONG ON 2'-6" CTRS. (C. C. & G.)

1½" LIP CURB THROUGH OPENING



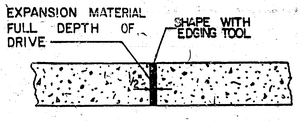
*4 DOWELS 2'-0" LONG ON 2'-6" CTRS. (C. C. & G.)

1½" LIP CURB THROUGH OPENING

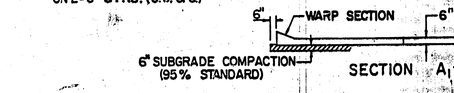


CONTRACTION JOINT (C.J.) OR LONGITUDINAL JOINT (L.J.)

NO SAWN JOINTS WILL BE ALLOWED.



EXPANSION JOINT (E.J.)

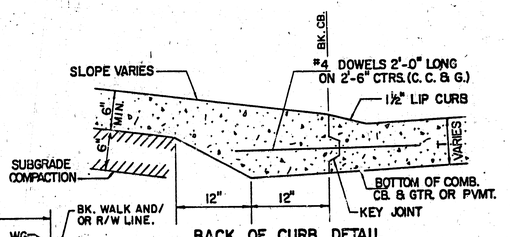


THICKNESS VARIES FROM 13" AT STREET CURB LINE TO 6" AT END OF 10'-6" RADIUS.

SECTION A_1-A_1

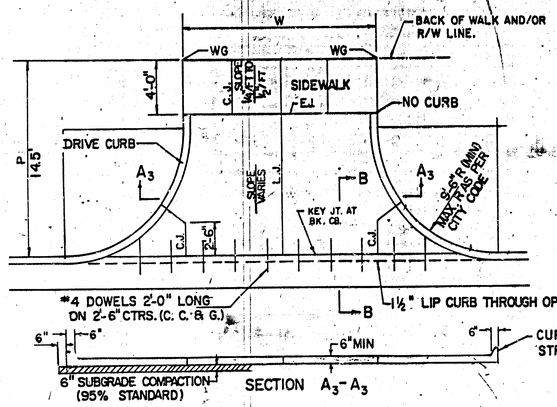
PARKING WIDTH "P"	9'	10'	11'	12'	13'	14.5'	20'	25'	30'	35'	40'	45'	50'
ABSOLUTE MAX. DIST. OF PT. "WG" ABOVE OR BELOW TOP OF FULL CURB	0.35'	0.35'	0.40'	0.45'	0.60'	0.80'	1.35'	1.85'	2.35'	2.85'	3.35'	3.85'	4.35'
OPTIMUM MAX. DIST. OF PT. "WG" ABOVE OR BELOW TOP OF FULL CURB	0.35'	0.35'	0.40'	0.45'	0.60'	0.70'	1.04'	1.30'	1.56'	1.82'	2.08'	2.34'	2.60'
OPTIMUM MIN. DIST. OF PT. "WG" ABOVE OR BELOW TOP OF FULL CURB	0.19'	0.21'	0.23'	0.25'	0.27'	0.30'	0.42'	0.52'	0.62'	0.72'	0.82'	0.92'	1.02'
ABSOLUTE MIN. DIST. OF PT. "WG" ABOVE OR BELOW TOP OF FULL CURB	-.19'	-.16'	-.13'	-.10'	-.06'	0.00	0.00'	0.15'	0.25'	0.35'	0.45'	0.55'	0.65'

RADIUS RAMP DRIVES (P= 9.0' & GREATER)



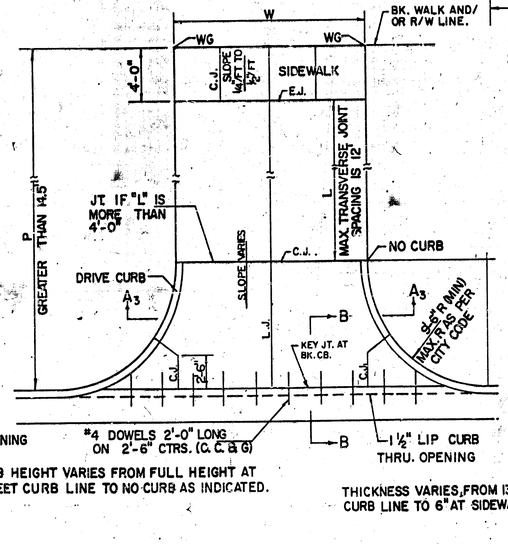
BACK OF CURB DETAIL

SECTION B - B (no scale)



*4 DOWELS 2'-0" LONG ON 2'-6" CTRS. (C. C. & G.)

1½" LIP CURB THROUGH OPENING



*4 DOWELS 2'-0" LONG ON 2'-6" CTRS. (C. C. & G.)

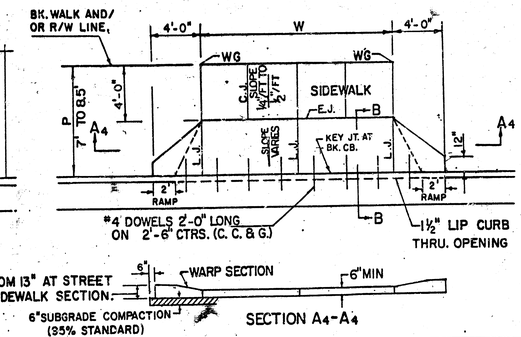
1½" LIP CURB THRU. OPENING

CURB HEIGHT VARIES FROM FULL HEIGHT AT STREET CURB LINE TO NO CURB AS INDICATED.

SECTION A_3-A_3

PARKING WIDTH "P"	14.5'	20'	25'	30'	35'	40'	45'	50'
ABSOLUTE MAX. DIST. OF PT. "WG" ABOVE TOP OF FULL. CB.	0.80'	1.35'	1.85'	2.35'	2.85'	3.35'	3.85'	4.35'
OPTIMUM MAX. DIST. OF PT "WG" ABOVE TOP OF FULL CB.	0.70'	1.04'	1.30'	1.56'	1.82'	2.08'	2.34'	2.60'
OPTIMUM MIN. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.30'	0.42'	0.52'	0.62'	0.72'	0.82'	0.92'	1.02'
ABSOLUTE MIN. DIST OF PT. "WG" ABOVE TOP OF FULL CB.	0.00'	0.00'	0.15'	0.25'	0.35'	0.45'	0.55'	0.65'

FULL RADIUS DRIVES (P=14.5' & GREATER)



*4 DOWELS 2'-0" LONG ON 2'-6" CTRS. (C. C. & G.)

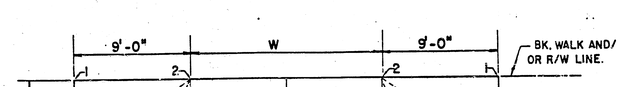
1½" LIP CURB THRU. OPENING

THICKNESS VARIES, FROM 13" AT STREET CURB LINE TO 6" AT SIDEWALK SECTION.

SECTION A_4-A_4

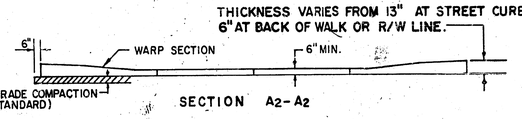
PARKING WIDTH "P"	7'	7.5'	8'	8.5'
ABSOLUTE MAX. DIST OF PT. "WG" ABOVE TOP OF FULL CB.	0.00'	0.10'	0.20'	0.30'
OPTIMUM MAX. DIST. OF PT. "WG" ABOVE TOP OF FULL CB.	0.00'	0.10'	0.20'	0.30'
OPTIMUM MIN. DIST. OF PT. "WG" BELOW TOP OF FULL CB.	-.15'	-.16'	-.17'	-.17'
ABSOLUTE MAX. DIST. OF PT. "WG" BELOW TOP OF FULL CB.	-.25'	-.20'	-.20'	-.20'

FULL RAMP DRIVE (P=7.0' TO 8.5')



*4 DOWELS 2'-0" LONG ON 2'-6" CTRS. (C. C. & G.)

1½" LIP CURB THROUGH OPENING



THICKNESS VARIES FROM 13" AT STREET CURB LINE TO 6" AT BACK OF WALK OR R/W LINE.

SECTION A_2-A_2

PARKING WIDTH "P"	4'	4.5'	5'	5.5'	6'	6.5'
DIST. OF PT. "1" ABOVE TOP OF FULL CB.	0.08'	0.09'	0.10'	0.12'	0.13'	0.14'
DIST. OF PT. "2" BELOW TOP OF FULL CB.	-.26'	-.24'	-.22'	-.20'	-.18'	-.16'

FULL RAMP DRIVE (P=4.0' TO 6.5')

GENERAL NOTES

1. DRIVEWAY CONSTRUCTION DETAILED ON THIS SHEET IS FOR USE WITH FULL HEIGHT STREET CURBS AND IN AREAS WITHOUT FULL WALK CONSTRUCTION IN THE PARKING. SEE OTHER DETAIL SHEETS FOR DRIVEWAY CONSTRUCTION WITH ROLL CURB AND/OR FULL WALK.
2. ONE LONGITUDINAL JOINT SHALL BE CONSTRUCTED ALONG THE CENTERLINE OF DRIVES HAVING A "W" DIMENSION OF 24' OR LESS. TWO LONGITUDINAL JOINTS SHALL BE CONSTRUCTED WITH EQUAL SPACINGS NOT TO EXCEED 10' FOR DRIVES WITH A "W" DIMENSION GREATER THAN 24'.
3. DRIVEWAY WIDTH DENOTED AS "W" ON THE DETAIL DRAWINGS SHALL BE A MINIMUM OF 10' AND A MAXIMUM OF 30'. THE MAXIMUM OPENING FOR RADIUS TYPE DRIVES WITH CURBS THROUGH THE RADIUS SHALL NOT EXCEED 52' AT THE STREET CURB LINE.
4. CONTRACTION JOINT SPACING IN THE DRIVEWAY WALK SECTION SHALL BE A MINIMUM OF 3' AND A MAXIMUM OF 6' AND ARE TO BE EQUALLY SPACED WITHIN THIS RANGE. WALK SECTION SHALL BE CONSTRUCTED TO THE SAME THICKNESS AS THE DRIVEWAY.
5. DOWEL BARS SHALL BE OMITTED FROM THE MIXED CONSTRUCTION JOINT ALONG THE BACK OF THE STREET CURB LINE WHEN DRIVEWAYS ARE CONSTRUCTED IN CONJUNCTION WITH NEW CONCRETE PAVEMENT CONSTRUCTION.
6. ADDITIONAL THICKNESS OF DRIVE AS INDICATED IN THE DRAWINGS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE DRIVEWAY CONSTRUCTION.
7. ONE HALF INCH EXPANSION JOINTS SHALL BE INSTALLED WHEREVER DRIVE CONSTRUCTION ABUTS SIDEWALK. ONE HALF INCH EXPANSION JOINTS SHALL ALSO BE INSTALLED ALONG THE PROPERTY LINE AND/OR BACK OF WALK LINE WHEN DRIVE CONSTRICTION ALONG THIS LINE ABUTS CONCRETE PARKING LOTS OR CONCRETE DRIVE EXTENSION.
8. ALL DRIVEWAYS SHALL BE A MINIMUM OF 6" IN THICKNESS AND SHALL BE WITHOUT REINFORCEMENT. DRIVEWAYS MAY BE CONSTRUCTED THICKER THAN 6" AND THEY MAY BE REINFORCED WITH 6"x12" W4-W4 WELDED WIRE FABRIC WHEN PROPERLY AUTHORIZED BY THE PROPERTY OWNER WITH THE ENGINEER'S CONCURRENCE.
9. OPTIMUM DRIVEWAY ELEVATIONS SHOWN IN THE TABLES ARE TO BE USED WHEREVER POSSIBLE. ABSOLUTE MAXIMUM AND MINIMUM ELEVATIONS ARE TO BE USED ONLY WHEN THESE VALUES WILL PERMIT NEW CONSTRUCTION TO MATCH EXISTING DRIVES OR PARKING LOTS. VALUES SHOWN IN THE TABLES ARE BASED ON A FULL CURB HEIGHT ELEVATION OF 0.55' ABOVE THE GUTTER FLOW LINE AND MUST BE ADJUSTED ACCORDINGLY FOR OTHER CURB HEIGHTS. VALUES SHOWN IN THE TABLES WITH MINUS SIGNS INDICATE ELEVATIONS BELOW TOP OF FULL HEIGHT CURB.

REVISED OCTOBER 1985

SCALE: 1"= 5'

STANDARD DRIVE ENTRANCES
FULL HEIGHT CURB
CITY OF WICHITA, KANSAS

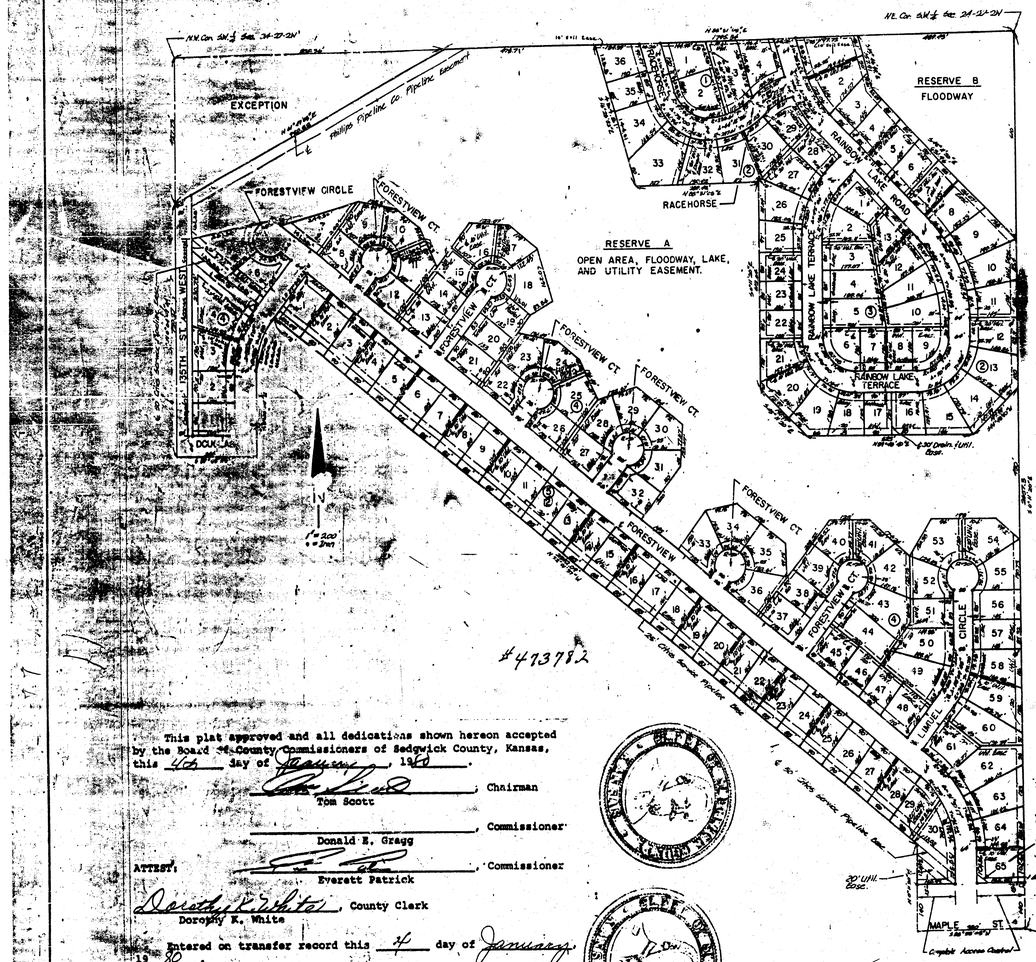
INDEX # 762104 (PROJECT NUMBER)

41-8 1-8 No ¼ Section B-1 8-17

RAINBOW LAKES WEST THIRD ADDITION

SEDGWICK COUNTY, KANSAS

10/12



State of Kansas, County of Sedgwick, SS.

I, Kenneth O. Taylor, Civil Engineer in said State and County do hereby certify that I have surveyed and platted "RAINBOW LAKES WEST THIRD ADDITION", Sedgwick County, Kansas and that the accompanying plat is a true and correct exhibit of said survey described as follows: A tract in the SW 1/4 of Section 24, T27S, R2W of the 6th P.M., Sedgwick County, Kansas, described as follows: Beginning at the SE corner of said SW 1/4; thence S88°55'03"W along the south line of said SW 1/4, 330 feet; thence N0°11'20"W parallel to the east line of said SW 1/4, 264.18 feet; thence N52°01'37"W, 2542.09 feet; thence S37°58'23"W, 19.12 feet to the P.C. of a curve; thence southerly on a curve to the left having a radius of 236 feet and a deflection angle of 38°02'30", 159.69 feet to the P.T. of said curve; thence S0°04'07"E parallel to the west line of said SW 1/4, 250 feet; thence S89°55'53"W, 244 feet to the west line of said SW 1/4; thence N0°04'07"W along the west line of said SW 1/4, 750.27 feet to a point 427.73 feet south of the NW corner of said SW 1/4; thence N61°47'03"E, 950.52 feet to a point on the north line of said SW 1/4, 838.36 feet east of the NW corner of said SW 1/4; thence N88°31'08"E along the north line of said SW 1/4, 1795.34 feet to the NE corner of said SW 1/4; thence S0°11'20"E, 2657.3 feet to the point of beginning.

Kenneth O. Taylor, Civil Engineer
Kenneth O. Taylor

KENNETH O. TAYLOR LICENSED 1858 KANSAS PROFESSIONAL ENGINEER

Know all men by these presents that Rainbow Lakes, Inc., by John W. Fry, President, has caused the land described in the Civil Engineer's certificate to be platted into lots, blocks, reserves and streets to be known as "RAINBOW LAKES WEST THIRD ADDITION", Sedgwick County, Kansas. Utility easements as indicated on the plat are hereby granted for the construction and maintenance of all public utilities. Drainage easements as indicated on the plat are hereby granted for drainage purposes. Reserve A is reserved for open area, a lake, utility easement and floodway. Reserve B is reserved for a floodway. The floodways shall be the responsibility of the owners of the property in the subdivision until such time as the governing body exercising jurisdiction elects to assume the responsibility for maintenance and improvements of the drainage, provided further that no building shall be constructed on or within such floodways, nor shall any fill, change of grade, creation of channel or other work be carried on without the permission of the Wichita-Sedgwick County Flood Control Office or their successors of office. All abutter's rights of access to or from 135th St. West, over and across the west line of Lots 1 to 5 inclusive, Block 4, are hereby granted to the appropriate governing body. All abutter's rights of access to or from Maple St., over and across the south line of Lot 30, Block 5 and Lot 65, Block 4, are hereby granted to the appropriate governing body.

The streets are hereby dedicated to and for the use of the public. No structure shall be constructed below a minimum pad elevation designated in the accompanying table for the lots shown, such elevations refer to mean sea level datum.

Rainbow Lakes, Inc.

ATTEST: Boyd Mills, Secretary — John W. Fry, President

Boyd Mills — John W. Fry

State of Kansas, County of Sedgwick, SS.

The foregoing instrument was acknowledged before me this 9th day of May, 19 79 by John W. Fry, President of Rainbow Lakes, Inc., a Kansas corporation, on behalf of the corporation.

A.E. Ross, Notary Public

My Commission expires: 1-24-82

First State Bank and Trust Co., Salina, Kansas, by R.H. ZIMMERMAN, PRESIDENT, mortgagee of part of the land described in the Civil Engineer's certificate, does hereby consent to the platting of "RAINBOW LAKES WEST THIRD ADDITION", Sedgwick County, Kansas.

First State Bank and Trust Co.
Salina, Kansas

ATTEST: R.H. Zimmerman, President

R.H. Zimmerman

State of Kansas, County of Sedgwick, SS.

The foregoing instrument was acknowledged before me this 9th day of May, 19 79, by R.H. ZIMMERMAN, PRESIDENT of First State Bank and Trust Co., Salina, Kansas, a Kansas corporation, on behalf of the corporation.

James F. Jackson, Notary Public

My Commission expires: 21 January 1982

This plat of "RAINBOW LAKES WEST THIRD ADDITION", Sedgwick County, Kansas has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas. Dated this 30TH day of AUGUST, 19 79.

Wichita-Sedgwick County Metropolitan
Area Planning Commission

By William J. Goebel, Chairman

Robert A. Lakin, Secretary

This plat approved and all dedications shown hereon accepted by the Board of City Commissioners of the City of Wichita, Kansas, this 23RD day of OCTOBER, 19 79.

Tony Casado, Mayor

Donald C. Gisick, City Clerk

This plat approved and all dedications shown hereon accepted by the Board of County Commissioners of Sedgwick County, Kansas, this 4th day of January, 1980.

Tom Scott, Chairman

Donald E. Gragg, Commissioner

ATTEST: Everett Patrick, Commissioner

Dorothy K. White, County Clerk

Entered on transfer record this 4th day of January, 19 80.

Dorothy K. White, County Clerk

State of Kansas, County of Sedgwick, SS.

This is to certify that this instrument was filed for record in the Register of Deeds Office, at 4:00 o'clock P.M., on the 4TH day of JANUARY, 19 80.

Bette F. McCart, Register of Deeds

Pat Kettler, Deputy

Table of Minimum Pad Elevations for Lots Specified

Lot	Block	Min. Pad Elevations	Lot	Block	Min. Pad Elevations
8 to 25 incl.	2	1329.0	59	4	1328.0
3 to 12 incl.	3	1329.0	60	4	1327.7
27 to 44 incl.	4	1329.0	61	4	1326.7
45	4	1328.6	62	4	1326.3
46	4	1327.6	63	4	1326.0
47	4	1327.3	64	4	1325.6
48	4	1326.7	65	4	1325.3
49	4	1328.0	13 to 21 incl.	5	1329.0
50	4	1328.6	22	5	1328.6
51	4	1329.0	23	5	1328.3
52	4	1329.0	24	5	1328.0
53	4	1329.0	25	5	1327.6
54	4	1329.0	26	5	1327.3
55	4	1329.0	27	5	1327.0
56	4	1329.0	28	5	1326.6
57	4	1328.6	29	5	1326.3
58	4	1328.2	30	5	1325.3

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25.00 Restrictive Covenants F 395 pg. 197 Restrictive Covenants F 387 Page 1056

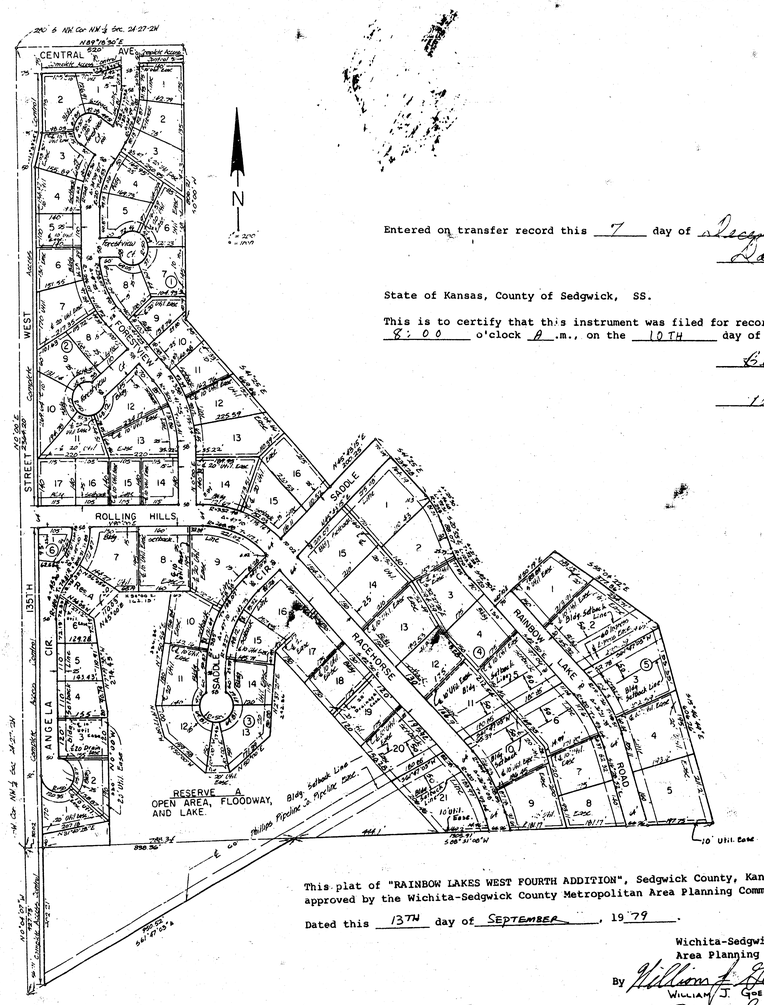
B-1 8-17

8 1 5 53 6

02-L 1-8 Y4 Section 3-50

11/12

RAINBOW LAKES WEST FOURTH ADDITION
SEDGWICK COUNTY, KANSAS



Entered on transfer record this 7 day of December, 19 79.

Dorothy K. White, County Clerk

Dorothy K. White

State of Kansas, County of Sedgwick, SS.

This is to certify that this instrument was filed for record in the Register of Deeds Office at 8:00 o'clock A.m., on the 10TH day of DECEMBER, 19 79.

Bette F. McCart, Register of Deeds

Bette F. McCart

Pat Kettler, Deputy

Pat Kettler

#470456

This plat of "RAINBOW LAKES WEST FOURTH ADDITION", Sedgwick County, Kansas has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this 13TH day of SEPTEMBER, 19 79.

Wichita-Sedgwick County Metropolitan Area Planning Commission

By William J. Goebel, Chairman

WILLIAM J. GOEBEL

Robert A. Lakin, Secretary

Robert A. Lakin

This plat approved and all dedications shown hereon accepted by the Board of City Commissioners of the City of Wichita, Kansas, this ____ day of _____, 19__.

_____, Mayor

Tony Cosodo

_____, City Clerk

Donald C. Gisick

This plat approved and all dedications shown hereon accepted by the Board of County Commissioners of Sedgwick County, Kansas, this 16 day of December, 19 79.

_____, Chairman

Tom Scott

_____, Commissioner

Patrick

_____, Commissioner

Donald E. Gragg

ATTEST:

Dorothy K. White, County Clerk

Dorothy K. White

State of Kansas, County of Sedgwick, SS.

I, Kenneth O. Taylor, Civil Engineer in said State and County, do hereby certify that I have surveyed and platted "RAINBOW LAKES WEST FOURTH ADDITION", Sedgwick County, Kansas and that the accompanying plat is a true and correct exhibit of said survey described as follows: Part of the SW 1/4 of Section 24 and part of the NW 1/4 of Section 24, all in T27S, R2W of the 6th P.M., Sedgwick County, Kansas, described as follows: Beginning at the SW corner of said NW 1/4; thence N0°00'E along the west line of said NW 1/4, 2364.20 feet to a point 280 feet south of the NW corner of said NW 1/4; thence N89°18'30"E parallel to the north line of said NW 1/4, 520 feet; thence S0°00'W, 806.21 feet; thence S41°25'E, 669.66 feet; thence N45°43'15"E, 200.25 feet; thence S41°25'E, 234.28 feet to the P.C. of a curve; thence southeasterly on a curve to the right having a radius of 258 feet and a deflection angle of 20°30', 92.31 feet to the P.T. of said curve; thence S20°55'E on a tangent to said curve, 88.07 feet to the P.C. of a curve; thence southeasterly on a curve to the left having a radius of 270 feet and a deflection angle of 21°55', 103.28 feet; thence S42°50'E, on a tangent to said curve, 120 feet; thence N47°10'E, 70 feet; thence N50°19'E, 183.84 feet; thence S55°04'22"E, 377.86 feet; thence S15°46'49"E, 606.26 feet to the south line of said NW 1/4; thence S88°31'08"W on the south line of said NW 1/4, 1305.91 feet to a point 838.36 feet east of the SW corner of said NW 1/4; thence S61°47'03"W, 950.52 feet to the west line of the SW 1/4 of said Section 24; thence N0°04'07"W, 427.73 feet to the point of beginning.

7/19/79 Kenneth O Taylor, Civil Engineer

Kenneth O. Taylor

Know all men by these presents that we, L. V. Bell and Sharon A. Bell, husband and wife, have caused the land described in the Civil Engineer's certificate to be platted into lots, blocks, streets and a reserve to be known as "RAINBOW LAKES WEST FOURTH ADDITION", Sedgwick County, Kansas. Utility easements as indicated on the plat are hereby granted for the construction and maintenance of all public utilities. The drainage easements as indicated on the plat are hereby granted for drainage purposes. The streets are hereby dedicated to and for the use of the public. Reserve A is reserved for open area, floodway and lake. The floodway shall be the responsibility of the owners of the property in the subdivision until such time as the governing body exercising jurisdiction elects to assume the responsibility for maintenance and improvement of the drainage, provided further that no building shall be constructed on or within said floodway, nor shall any fill, change of grade, creation of channel or other work be carried on without the permission of the Wichita-Sedgwick County Flood Control Office or their successors of office. That part of the Flowage Easement as described in Film 157 at Page 1554 in the Register of Deeds Office, Sedgwick County, Kansas over any part of said RAINBOW LAKES WEST FOURTH ADDITION being vacated by virtue of K.S.A. 1970 Supp. 12-512(b).

All abutter's rights of access to or from 135th St. West over and across the west line of Lots 2, 3, 4, 5, 6, 7, 9, 10, 11 and 17, Block 2, Lot 1, Block 6, Lot 1, Block 3 and the west line of Angela Circle are hereby granted to the appropriate governing body. All abutter's rights of access to or from Central Avenue over and across the north line of Lots 1 and 2, Block 2 and Lot 1, Block 1 are hereby granted to the appropriate governing body. An ingress and egress easement is hereby granted over the northerly 30 feet of Lot 3, Block 5 and the southerly 30 feet of Lot 2, Block 5.

L. V. Bell

Sharon A. Bell

State of Kansas, County of Sedgwick, SS.

The foregoing instrument was acknowledged before me this 22nd day of September, 19 79 by L. V. Bell and Sharon A. Bell, husband and wife.

Patricia A. Shaver, Notary Public

PATRICIA A. SHAVER

My Commission expires: August 21, 1980

Mid Kansas Federal Savings and Loan Association of Wichita, by David H. Brasted, Executive V.P., mortgagee of part of the land described in the Civil Engineer's certificate does hereby consent to the platting of "RAINBOW LAKES WEST FOURTH ADDITION", Wichita, Sedgwick County, Kansas.

Mid Kansas Federal Savings and Loan Association of Wichita

ATTEST:

David H. Brasted

State of Kansas, County of Sedgwick, SS.

The foregoing instrument was acknowledged before me this ____ day of _____, 19__, by _____, _____ of Mid Kansas Federal Savings and Loan Association of Wichita, a Kansas corporation, on behalf of the corporation.

_____, Notary Public

CARLETA PRICE

My Commission expires: _____

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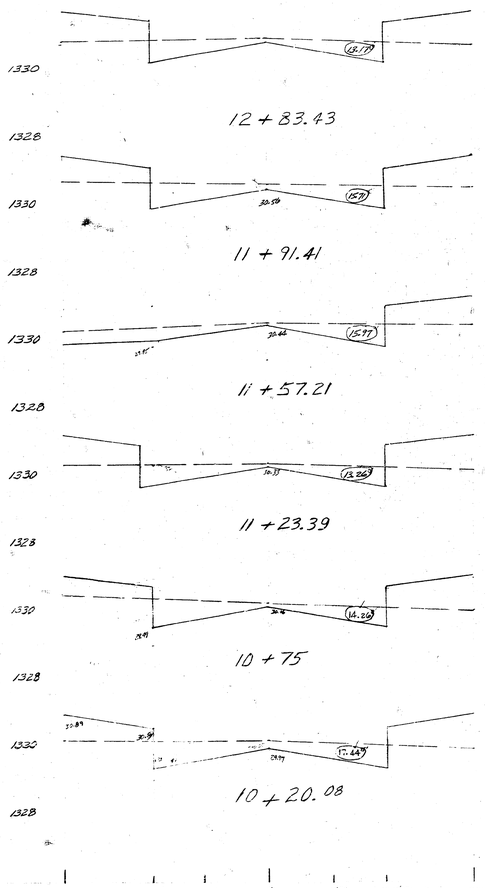
Restrictive Covenants F 395 pg. 803

B-1 7-20

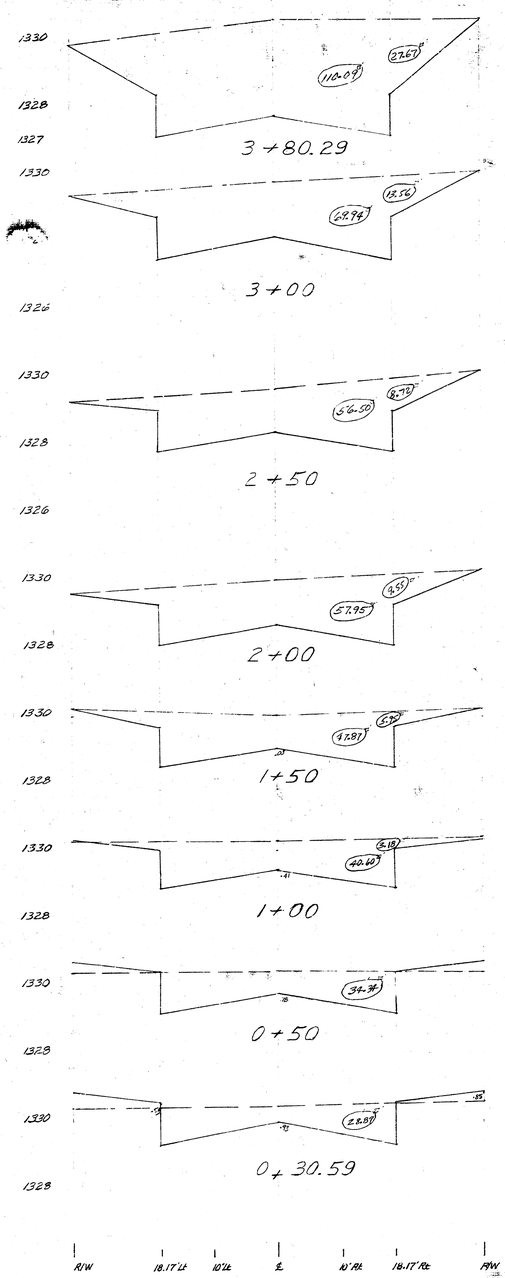
CROSS SECTIONS FOR ALTENATE 2

SHEET TOTAL

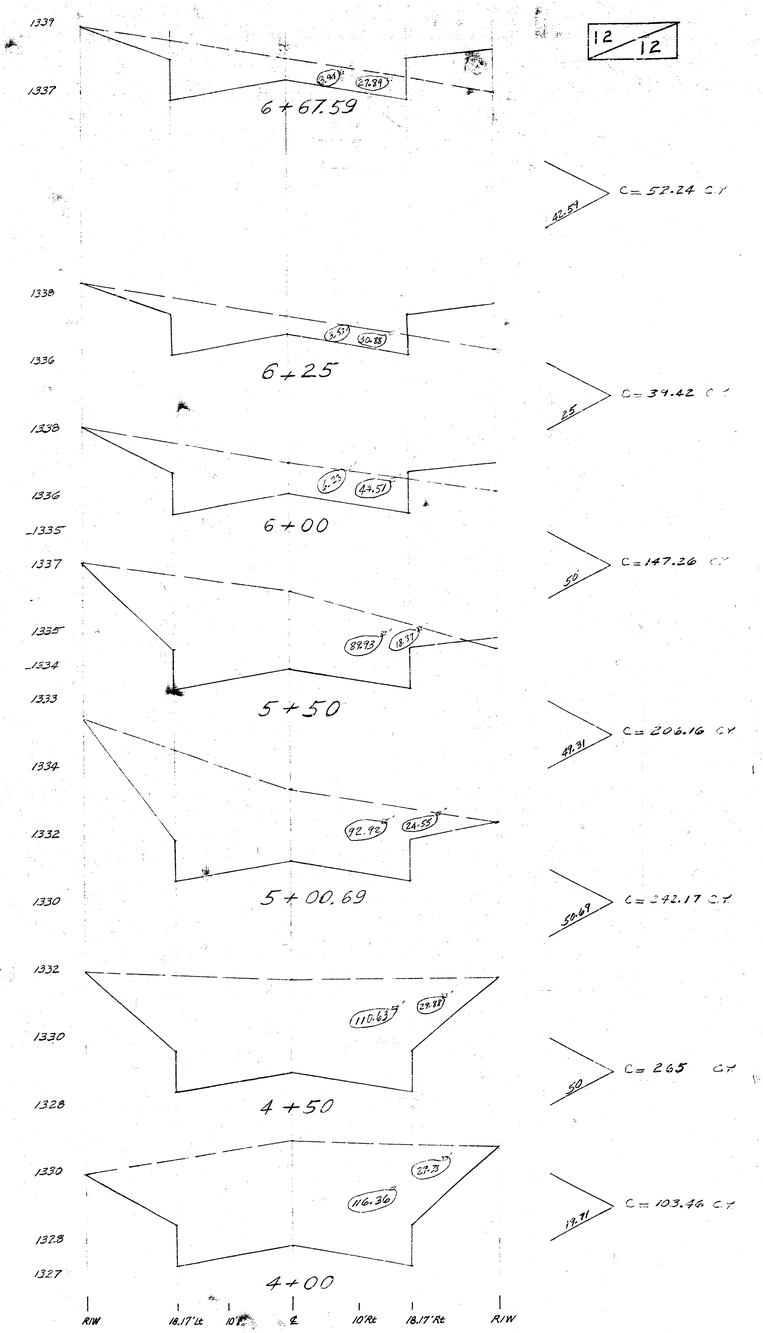
CUT = 2087.52 C.Y.



RAINBOW LAKE ROAD



RACE HORSE



RACEHORSE

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8-A-1-81