STORM WATER SEWER NO. 306

RENT·A·CENTER/HI·TECH INDUSTRIAL PARK SECOND ADDITION

PROJECT NO.

468·76·245·81545·000·000·001

CITY OF WICHITA, KANSAS

MICHAEL E. LINDEBAK, CITY ENGINEER

MAY, 1987

GENERAL NOTES

1. THE TOPS OF INLET AND MANHOLE AS NOTED ON THE PLANS MAY VARY SO AS TO MEET PROPOSED TOP OF CURB ELEVATIONS OR PAVEMENT ELEVATIONS. THE FIELD ENGINEER SHALL LOCATE INLETS AND MANHOLES WITH REFERENCE TO PROPOSED PAVING PLANS OF THE PERTINENT STREETS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL 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.

3. TREES TO BE REMOVED ARE MARKED ⊗. ALL TREES WHICH IN THE OPINION OF THE FIELD ENGINEER CAN BE SAVED, SHALL BE SAVED.

4. CONSTRUCTION OF THE OUTLETS FOR LINE 2 & RCB WILL REQUIRE LOWERING OF THE EXISTING LAKE INTO WHICH THESE LINES EMPTY OR CONSTRUCTION OF A COFFERDAM. THE PLAN SHEETS SHOWING THESE OUTLETS ALSO SHOW THE SURVEYED WATER LEVEL AND THE DATE OF THE SURVEY. PRESENT WATER LEVELS AND WATER LEVELS AT THE TIME OF CONSTRUCTION MAY VARY FROM THIS SURVEYED WATER LEVEL.

5. UNDERGROUND UTILITY SERVICE LINES AND OVERHEAD UTILITY POLE LINES ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. 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 CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT OF WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

NOTE: NOTIFY THE FOLLOWING COMPANIES PRIOR TO ANY EXCAVATION:

BELL TELEPHONE COMPANY	1-316-571-2115
CABLEVISION	262-0661
KP&L GAS SERVICE COMPANY	263-7511
KANSAS GAS & ELECTRIC	254-1141
KANSAS ONE-CALL	1-800-344-7233

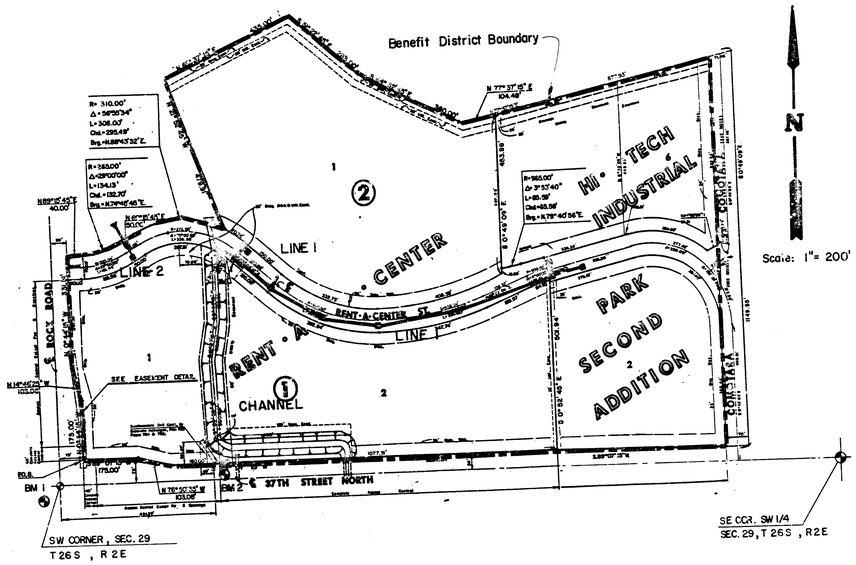
6. THE CHANNEL AND ALL AREAS DISTURBED BY EXCAVATION OF THE CHANNEL SHALL BE SEEDED AND MULCHED PER CITY OF WICHITA SPECIFICATIONS.

7. COST OF EXCAVATION AND BACKFILL FOR THE REINFORCED CONCRETE BOX CULVERT SHALL BE SUBSIDIARY TO THE COST OF THE CULVERT.

BENCH MARKS

B.M. #1 — City Standard 44' S & 48' W of Centerline of 37th & Rock Rd. Elev=204.11

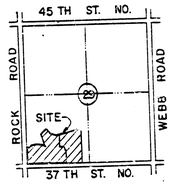
B.M. #2 — "+" cut on NE corner Southwestern Bell equipment pad on N side of 37th & 300' E of Rock Rd. Elev=205.71



INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-4	CHANNEL-PLAN & PROFILE
5-7	LINE 1-PLAN & PROFILE
8	LINE 2-PLAN & PROFILE
9-10	CHANNEL CROSS SECTIONS
11	RCB DETAIL
12	SOIL SAVER DETAIL
13	HANDRAIL DETAIL
14	WASH CHECK DETAIL
15-16	TYPE I-A CURB DETAIL
17	RENT·A·CENTER FINAL PLAT
18-19	HI-TECH INDUSTRIAL PARK SECOND ADD. FINAL PLAT

As Builts 1/88 MES



LOCATION MAP

KARL J. SVATY, JR. LICENSED 7164 KANSAS PROFESSIONAL ENGINEER

RICHARD CARSON BAIN LICENSED 6803 KANSAS PROFESSIONAL ENGINEER

FRANK BERTON NELSON LICENSED 913 KANSAS PROFESSIONAL ENGINEER

RENT·A·CENTER / HI·TECH INDUSTRIAL PARK SEC. ADD.

STORM WATER SEWER PLANS

Design: FBN, RCB
Drawn by: DPR
Checked by: FBN
Date: MAY 1987
Job no.:

Sheet 1 of 19

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
682-6561

1/19

RENT · A · CENTER/HI-TECH IND. PARK
S.W.S. NO. 306 SEC. ADD.
PROJ. NO. 46876-245-81545-000-000-001

N
SCALE: 1"= 20' Horiz.
1"= 5' Vert

WILLOWBEND FIRST ADDITION
RESERVE "J"

RENT · A · CENTER

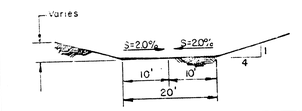
LOT 2

LOT 1
RENT · A · CENTER

Prop. 8" Wtr.
LINE 1
60' x 30' HDP
℄ 80' Utility Esmt.
P.I. Sta 2+13.5
P.C. Sta 3+28.9
P.T. Sta 3+46.0
P.C. Sta 4+37.0
P.T. Sta 4+57.8
R=50.00'
Δ=13°13'14"
L=20.77'
T=10.43'
EXIST. H.P. w/HEADWALL
EXIST. CNC. APRON
EXIST. TYP. LAKE
10'
26'
S 27°44'15" E
125.77'
S 3°49'44" W
87.75'
S 0°44'15" E
115.40'
S 10°07'15" W
91.02'
19'
31'
14'
5'
Install 81.0 S.Y. Light Stone Rip Rap
R=90.00'
Δ=10°51'30"
L=17.06'
T=8.55'
Prop. 8" San. Swr.
40' f-f
70' R/W
Install 31.0 S.Y. Light Stone Rip Rap

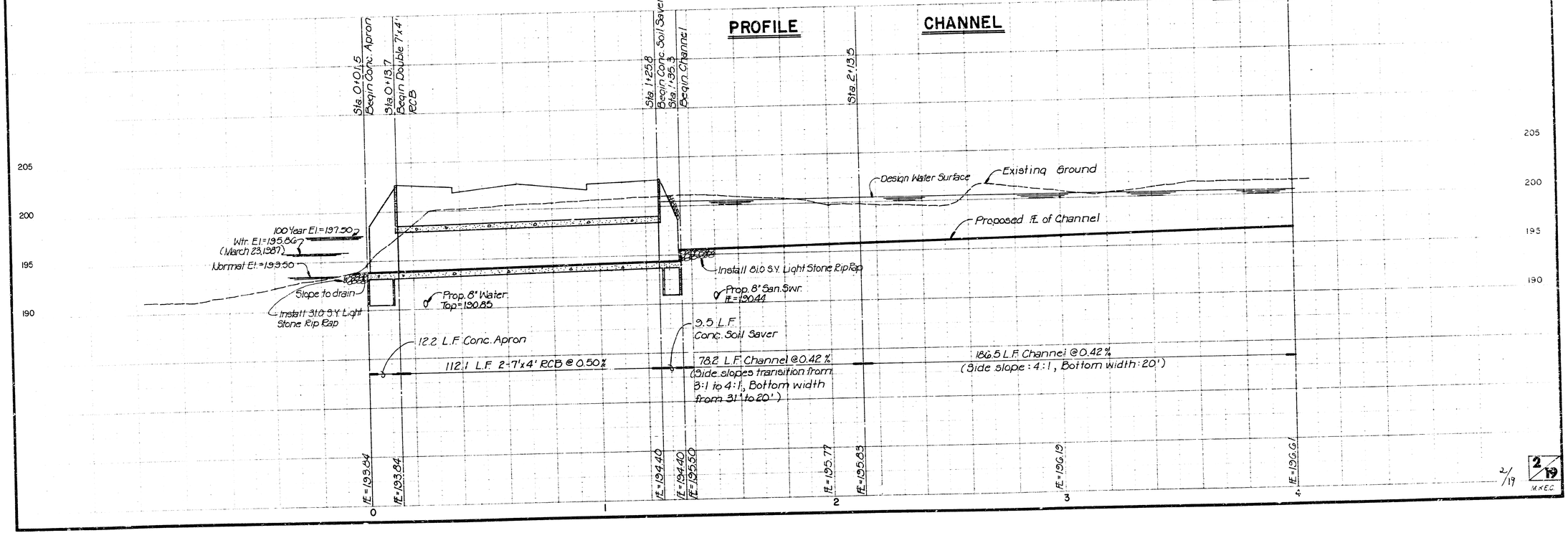
PLAN - CHANNEL

DITCH DETAIL



NOTE: Contractor is solely responsible for locating and protecting all utilities and other subsurface improvements.

PROFILE CHANNEL



2/19

2/19
MKEC

RENT-A-CENTER/HI-TECH IND. PARK SEC. ADD.
S.W.S. NO. 306
PROJ. NO. 468-76-245-81545-000-000-001

RENT • A • CENTER

(1)

LOT 2

LOT 1

R = 90.00'
Δ = 12°13'14"
L = 20.77'
T = 10.43'

R = 50.00'
Δ = 87°46'46"
L = 76.60'
T = 48.10'

PC Sta. 4+37.0

PT Sta. 4+57.8

℄ 80' Utility Easement

4 S10°07'15"W 91.02'

5

S 3°03'59"E 196.43'

6

7

8

100' Drng. Esmt.

N89°07'15"E 371.16'

Proposed Rip Rap "by Others"

PT Sta. 7+30.8

Prop. 2-30"x1 "HERCP

Prop. 2-27" RCP "By Others"

Sta. 7+17.7

Install 115.0 S.Y. Light Stone Rip Rap

5'

12'

PC Sta. 6+54.2

PT Sta. 6+18.7

Southwestern Bell Easement by Seperate Instrument

50' R/W

EXIST. 20" WATER MAIN

EXIST. 12" SANITARY SEWER

Prop. 24" RCP

37TH STREET

NORTH

SCALE: 1" = 20' Horiz.
1" = 5' Vert.

PLAN CHANNEL

PROFILE CHANNEL

Sta. 7+24.6 ± 10.0' Rt. Prop. Ditch "By Others" 16.5' Ht. @ Prop. Reinf. Conc. Headwall w/2-27" RCP's, FE = 198.22

Design Water Surface

Existing Ground

Proposed ℄ of Channel

400.0 L.F. Channel @ 0.42%
(Side slopes: 4:1. Bottom width: 20')

FE = 196.61

FE = 197.03

FE = 197.45

FE = 197.87

FE = 197.96

FE = 198.29

205
200
195
190

3/19
MKEC

RENT-A-CENTER/HI-TECH IND. PARK SEC.
S.W.S. NO. 306 ADD.
PROJ. NO. 468-76-245-81545 000-000-001

LOT 2

RENT • A • CENTER

100' Drainage Easement

Sta. 11+00 Const. Wash Check
P.C. Sta. 11+02.0

Sta. 11+94

30' Drng. Esmt. by Seperate Instrument

Install 115.0 S.Y. Light Stone Rip Rap

R = 50.00'
Δ = 90°00'00"
L = 78.54'
T = 50.00'

5' 12'

N89°07'13"E
371.16'

8 9 10 11

35' Bldg. Stbk.

Sta. 11+67.4

Sta. 11+80
Const. Wash Check
P.T. Sta. 11+80.5

EXIST. 20" WATER MAIN

CAUTION! Trees over existing 20" Water Main
Use extreme caution when removing trees.

Prop. 4' Walk

EXIST. 20" WATER MAIN

Prop. Ditch Flow

POST

U.T.

U.T.

End Channel Sta. 12+10.1

25.5'

50' R/W

24.5'

E.M.

E.M.

Install 55.0 SY. Light Stone Rip Rap

37TH

Prop. Asphalt Hook Up

STREET

EXIST. A.C. PAVEMENT

NORTH

13 14 15 16

N

SCALE: 1" = 20' Horiz
1" = 5' Vert

PLAN CHANNEL

PROFILE CHANNEL

Sta. 11+00 Const. Wash Check (See Detail Sh.) H = 1.64'

Sta. 11+30 Const. Wash Check (See Detail Sh.) H = 1.30'

Sta. 12+10.1 End Channel 4.50' x 3.31' CMPA w/Reinf. Conc. Headwall

℄ 37th St. No.

210
205
200
195

Existing Ground

Design Water Surface

Proposed ℄ of Channel

Install 55.0 S.Y. Light Stone Rip Rap

20" Exist. Wtr. Top = 200.30

380.0 L.F. Channel @ 0.42 %
(Side slopes: 4:1, Bottom width: 20')

30.1 L.F. Channel @ 0.42 %
(Side slopes transition from 4:1 to 2:1, Bottom width transition from 20' to 21')

FE = 198.23
FE = 198.71
FE = 199.13
FE = 199.55
FE = 201.13
FE = 201.53
FE = 202.83
FE = 202.91
FE = 202.95±

8 9 10 11 12

4/19

MKEC.

RENT-A-CEN TER/HI-TECH IND PARK SEC.
S.W.S. NO. 3C6
PROJ. NO. 468-76-245-81545-000-000-001

SCALE: 1"= 20' Horiz.
1"= 5' Vert.

N

RENT · A · CENTER

Sta. 0+00 Line I
Entering into Prop. 2-7'x4' R.C.B.

Sta. 0+70.3 Line I =
Sta. 0+00 Line I-A
Const. Std. Type I-A Curb Inlet
W=8'-4", L=11'-4"
Top El.= ~~201.99~~ 201.99
St. Sta. 6+36.34
(Rent-A-Center)

Sta. ~~6+19.8~~ 6+18 Line I
Const. Std. Type I-A Curb Inlet
W=5'-4", L=11'-4"
Top El.= ~~201.69~~ 201.89
St. Sta. 6+50.69 (Rent-A-Center)

Sta. ~~2+21.4~~ Line I =
Sta. 0+00 Line I-B
Const. Std. Type I-A Curb Inlet
W=5'-4", L=6'-4"
Top El.= ~~202.34~~ 202.93
St. Sta. 7+86.74 (Rent-A-Center)

Sta. ~~8+91.~~7 Line I
Const. Std. Type I-A Curb Inlet
W=4'-4", L=5'-4"
Top El.= ~~204.85~~ 204.48
St. Sta. 9+50 (Rent-A-Center)

Sta. ~~8+85.~~1 Line I
Const. Std. Type I-A Curb Inlet
W=4'-4", L=6'-4"
Top El.= ~~206.34~~ 206.35
St. Sta. 11+35.61 (Rent-A-Center)

Prop. 8" San. Swr.
Prop. 8" Wtr.
Exist 30" RCP
60"x38" HERCP
LINE 1A 30" RCP
LINE 1B 30" RCP
LINE 1 30" RCP
21" RCP
R/W
40'
70'
S=0.974 %
S=1.016 %
S=0.938 %

PLAN LINE I

PROFILE LINE I

Sta 0+00 Line I
Entering into 2-7'x4' RCB

Sta 0+20.3 Line I =
Sta 0+00 Line 1A
Const. Std Type 1A
Curb Inlet
W=8'-4", L=11'-4"
Top El = ~~204.66~~ 201.80
St. Sta. 6+36.34 (Rent A Center)

Sta ~~6+19.8~~ Line I
Const Std Type 1A
Curb Inlet
W=5'-4", L=11'-4"
Top El=~~204.36~~ 201.83
St Sta 6+50.68 (Rent A Center)

Sta ~~2+21.4~~ Line I =
Sta 0+00 Line 1B
Const Std Type 1A
Curb Inlet
W=5'-4", L=6'-4"
Top El=~~202.34~~ 202.93
St Sta. 7+86.74
(Rent A Center)

Sta ~~8+91.~~7 Line I
Const Std Type 1A
Curb Inlet
W=4'-4", L=5'-4"
Top El = ~~204.85~~ 204.48
St Sta. 9+50 (Rent A Center)

Sta ~~8+85.~~1 Line I
Const Std Type 1A
Curb Inlet
W=4'-4", L=6'-4"
Top El = ~~206.34~~ 206.35
St Sta. 11+35.61 (Rent A Center)

AS BUILTS
1/88
MCG

Prop. Top of Curb
Exist. Ground

70.5
~~70.3~~ L.F. 60"x38" HERCP @ 0.20%

14.1
~~14.5~~ L.F. 30" RCP @ 0.20%

~~136.6~~ 137.5 L.F. 30" RCP @ 0.20%

171.0
~~170.3~~ L.F. 21" RCP @ 1.00%

194.2
~~193.4~~ L.F. 21" RCP @ 1.00%

RIM E = 194.58 (60"x38" HERCP)
E IN = 194.58
E = 195.55
E = 195.75
E = 197.43
E = 199.52
E = 199.52
RIM E = 200.66
E OUT = ~~200.37~~ 200.37 (21")
E IN = ~~200.47~~ 200.47 (21")

5/19

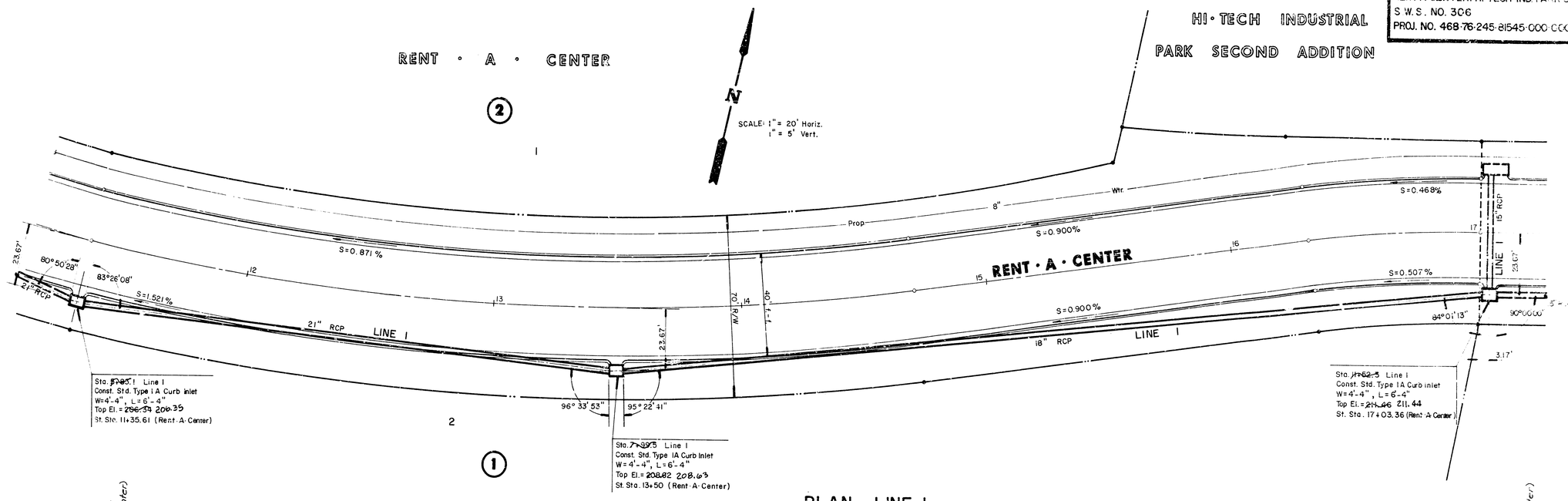
M.K.E.C.

RENT A CENTER/HI-TECH IND. PARK SEC
S.W.S. NO. 306
PROJ. NO. 468-76-245-81545-000 CCCCC

HI·TECH INDUSTRIAL PARK SECOND ADDITION

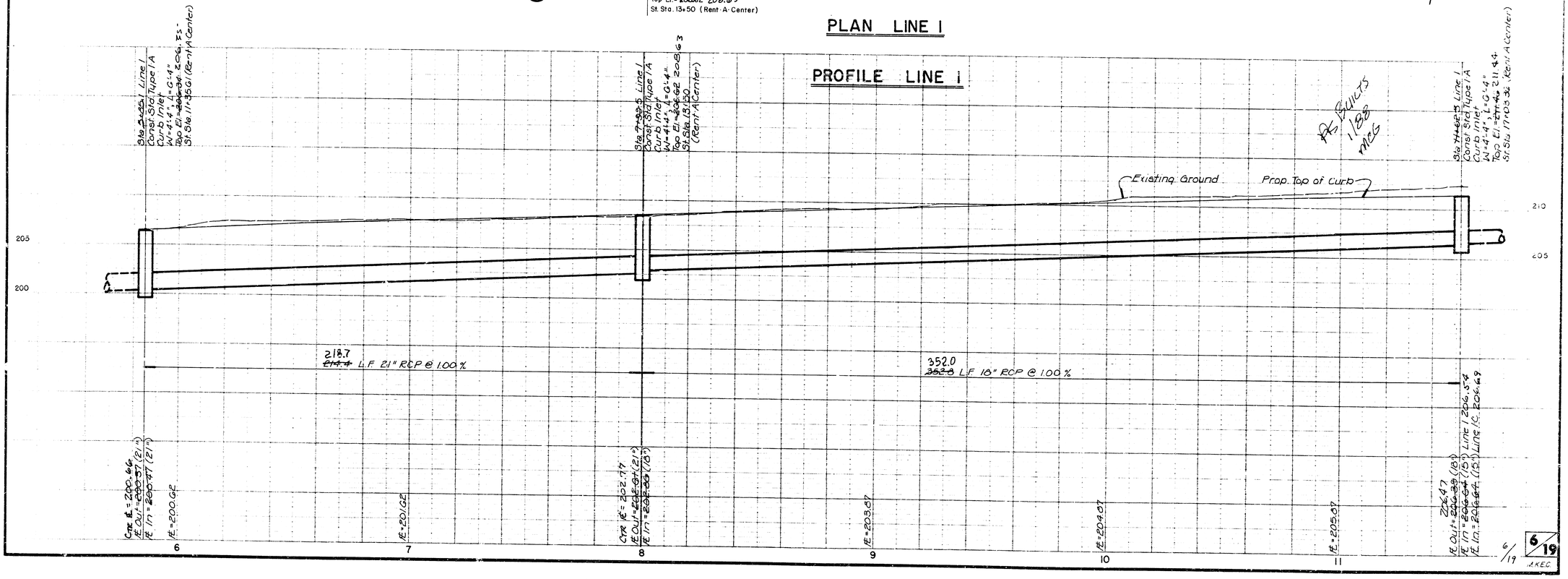
RENT · A · CENTER

SCALE: 1" = 20' Horiz.
1" = 5' Vert.



PLAN LINE I

PROFILE LINE I



As Builts 1/18 mlg

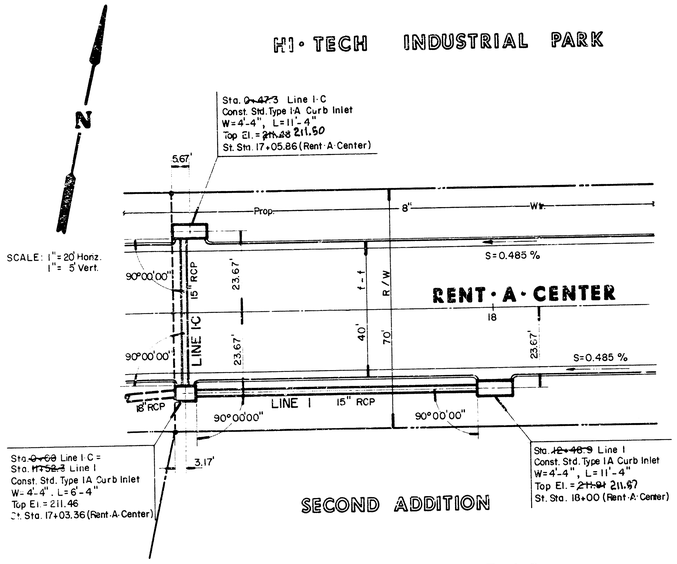
6/19

6/19

AKEC

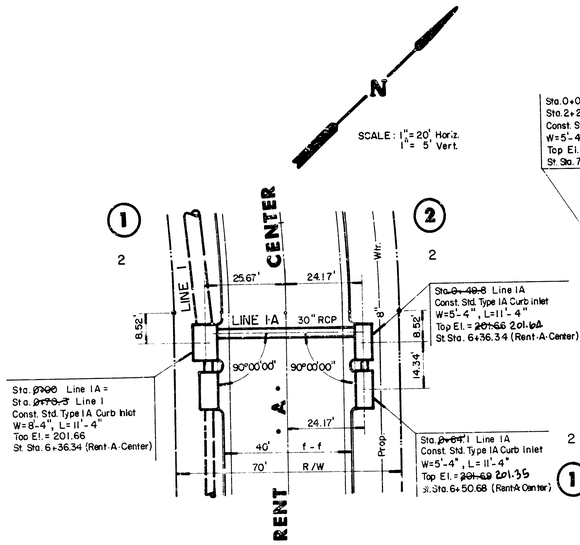
RENT·A·CENTER/HI·TECH IND. PARK SEC.
S.W.S. NO. 306
PROJ. NO. 468-76-245-81545-000-000-001

HI·TECH INDUSTRIAL PARK

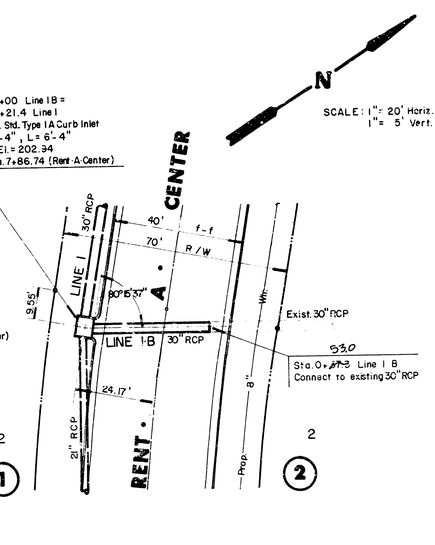


SECOND ADDITION

PLAN LINE 1 & LINE 1-C



PLAN LINE 1-A



PLAN LINE 1-B

LINE 1

Sta 11+62.9 Line 1 -
Sta 9+06 Line 1-C
Const Std Type 1A
Curb Inlet
W=4'-4", L=6'-4"
Top El = 211.46
St Sta 17+03.36 (Rent A Center)

Sta 12+48.9 Line 1
Const. Std. Type 1A
Curb Inlet
W=4'-4", L=11'-4"
Top El = 211.67
St. Sta 18+00 (Rent A Center)

Existing Ground
Prop. Top of Curb

96.0
96.0 L.F. 15" RCP @ 1.00%

E Out = 206.33 (18") 206.47
E In = 206.04 (15") 206.54
E In = 206.04 (15") Line 1C 206.69

E = 207.12

E Out = 200.91 203.72

12

LINE 1-A

Sta 0+00 Line 1A =
Sta 0+20.3 Line 1
Const. Std. Type 1A
Curb Inlet
W=8'-4", L=11'-4"
Top El = 201.66
St. Sta 6+36.34 (Rent A Center)

Sta 0+49.8 Line 1A
Const. Std. Type 1A
Curb Inlet
W=5'-4", L=11'-4"
Top El = 201.66
St. Sta 6+36.34 (Rent A Center)

Sta 0+84.1 Line 1A
Const. Std. Type 1A
Curb Inlet
W=5'-4", L=11'-4"
Top El = 201.69 201.35 -
St. Sta 6+50.68 (Rent A Center)

Exist. Ground
Prop. Pvmt.

49.9
49.9 L.F. 30" RCP
@ 0.40 %

14.0
14.3 L.F. 24" RCP @ 1.00%

E Out = 194.72 (30") 196.48" HERCP
E In = 193.93 (30") Line 1A
E In = 195.93 (30") Line 1

E Out = 195.82 (30") 195.69
E In = 194.33 (24") 196.11

E Out = 196.58 196.75

0

LINE 1-B

Sta 2+21.4 Line 1B =
Sta 2+21.4 Line 1
Const. Std. Type 1A
Curb Inlet
W=5'-4", L=6'-4"
Top El = 202.34
St. Sta 7+86.74 (Rent A Center)

Sta 0+87.3 Line 1B
Connect to existing
30" RCP

Prop. Pvmt.
Exist. Ground

Exist. 30" RCP

53.0
37.3 L.F. 30" RCP
@ 0.40%

E Out = 195.23 (30")
E In = 193.83 (30")
E In = 194.67 (21") Line 1

E = 196.04

0

LINE 1-C

Sta 0+00 Line 1C =
Sta 11+62.9 Line 1
Const. Std. Type 1A
Curb Inlet
W=4'-4", L=6'-4"
Top El = 211.46
St. Sta 17+03.36 (Rent A Center)

Sta 0+47.3 Line 1C
Const. Std. Type 1A
Curb Inlet
W=4'-4", L=11'-4"
Top El = 211.50
St. Sta 17+05.86 (Rent A Center)

Existing Ground
Prop. Pvmt.

48.0
47.3 L.F. 15" RCP
@ 0.40 %

E Out = 206.39 (18") Line 1
E In = 206.04 (15") Line 1C
E In = 206.04 (15") Line 1

E Out = 206.33
206.69

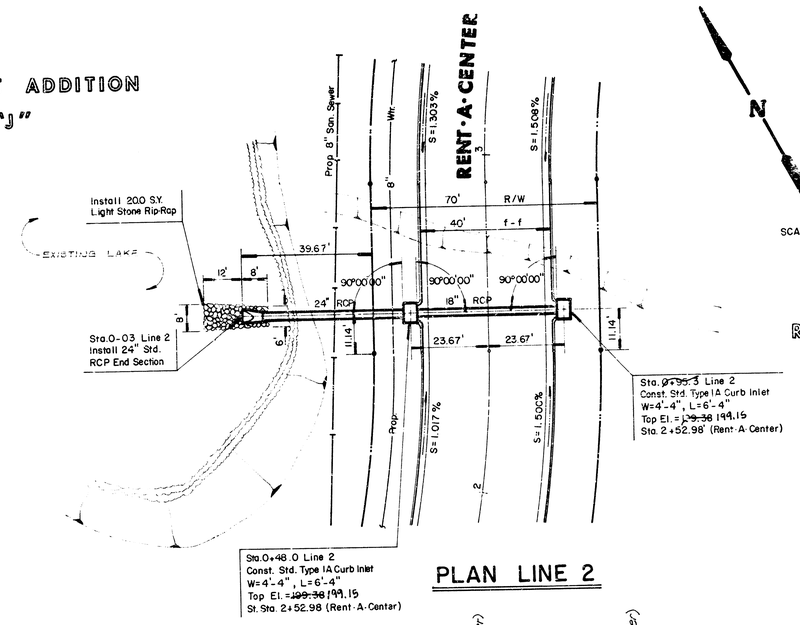
0

As Builts
1-15-80
M.C.G.

7/19
M.K.E.C.

RENT-A-CENTER/HI-TECH IND. PARK SEC.
S.W.S. NO. 306
PROJ. NO. 46876-245-81545-000-000-001

WILLOWBEND FIRST ADDITION
RESERVE "J"



N

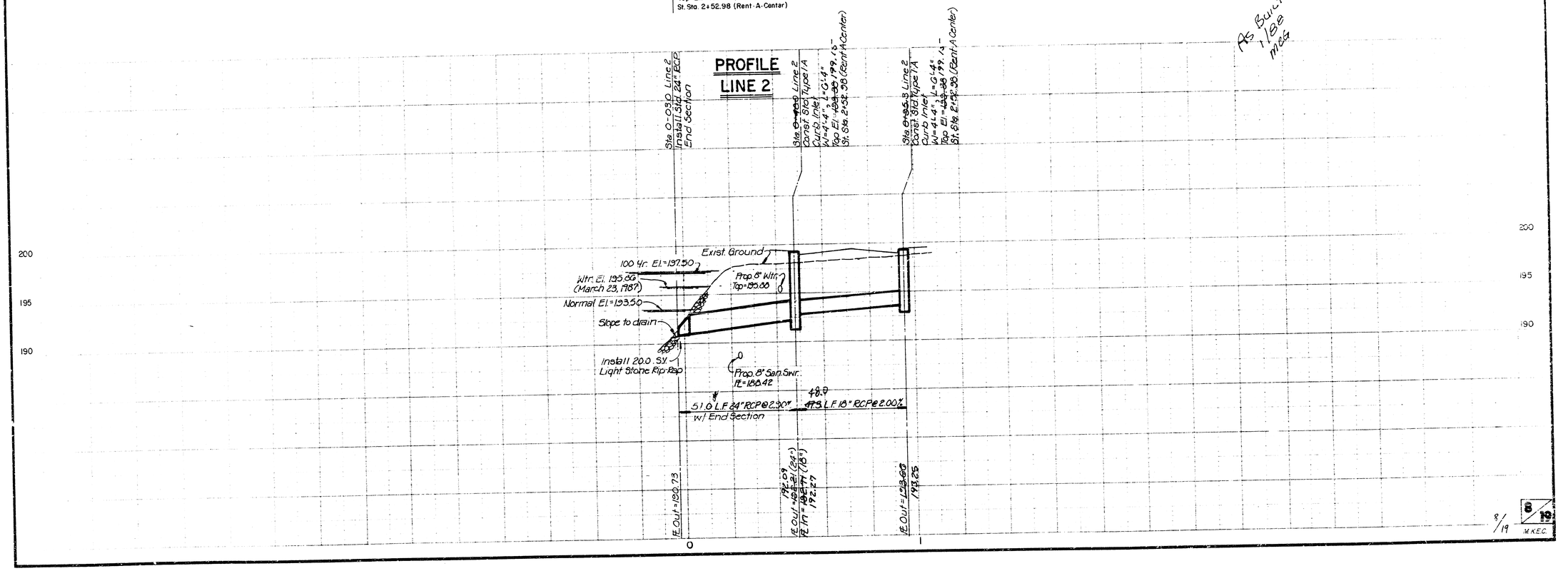
SCALE: 1"= 20' Horiz.
1"= 5' Vert.

RENT • A • CENTER

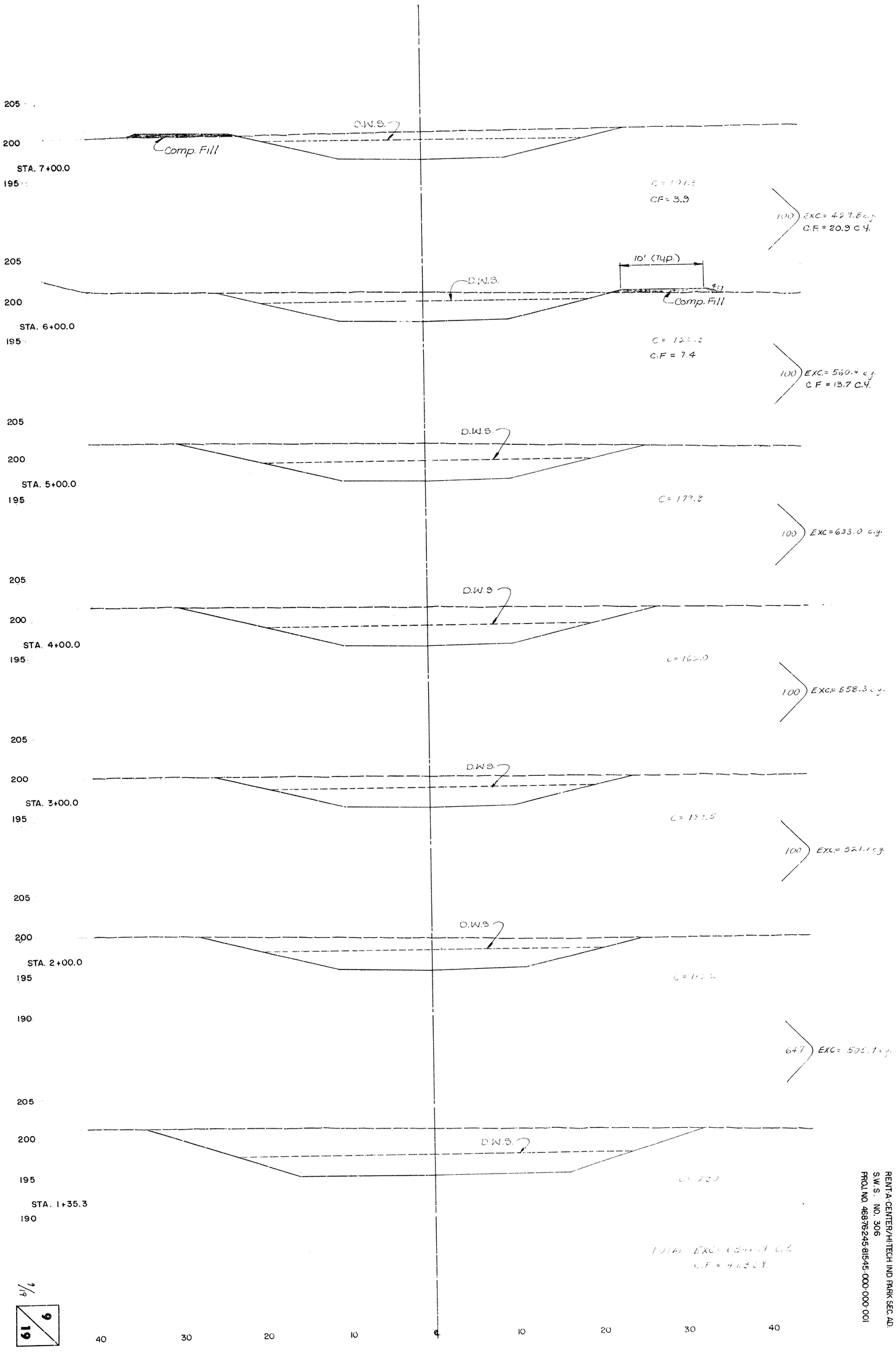
1

PLAN LINE 2

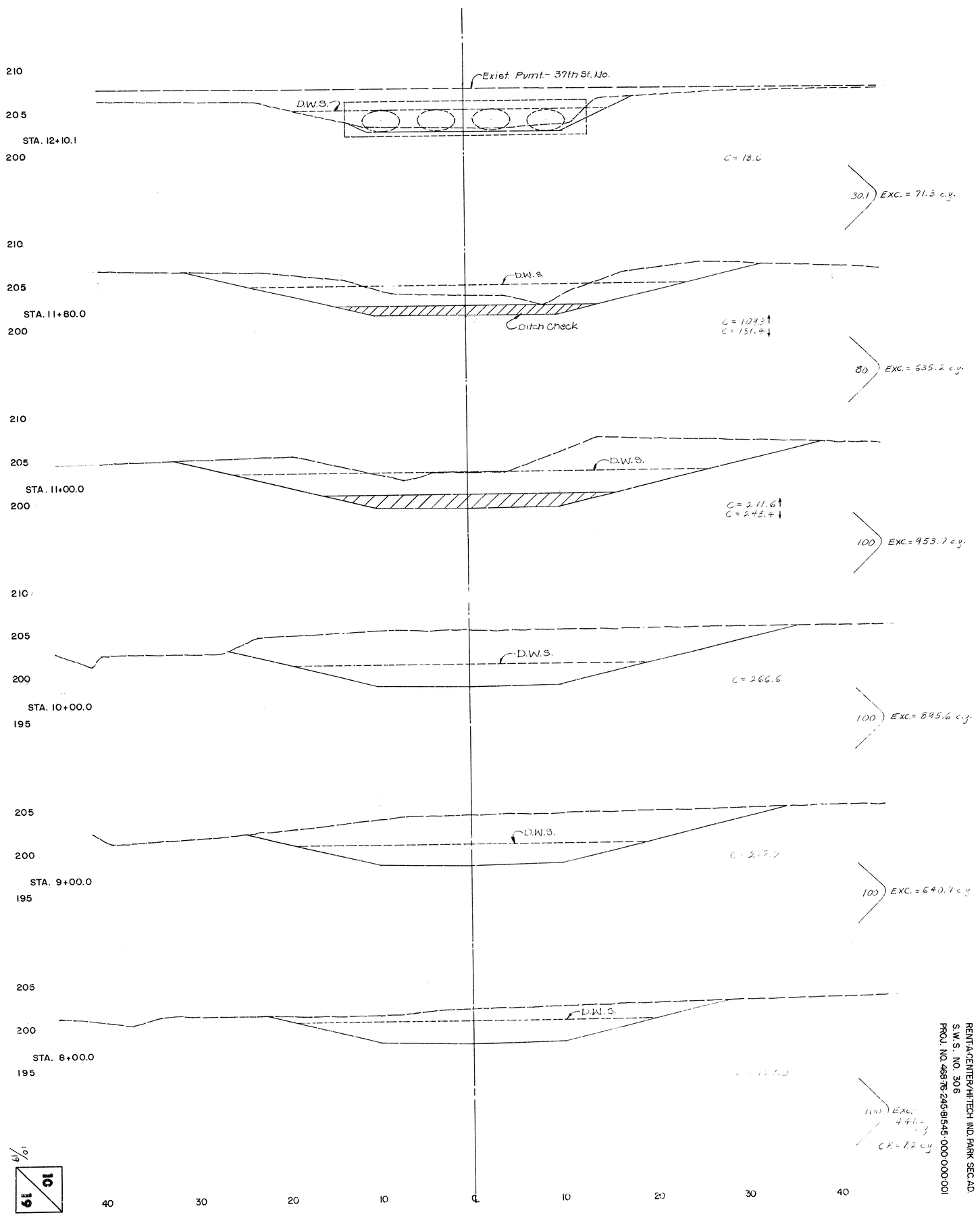
PROFILE
LINE 2



8/19 M.K.E.C.



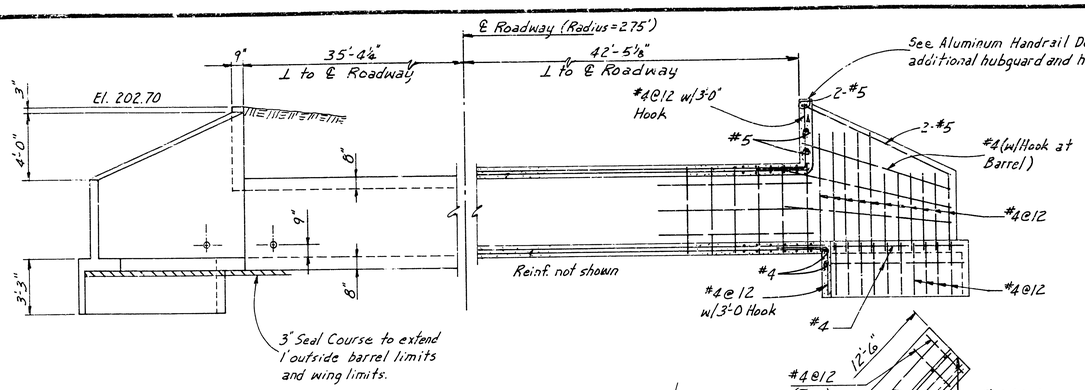
RENT-A-CENTER/HITECH IND. PARK SEC. AD.
S.W.S. NO. 306
PROJ. NO. 4687624581545.000.000.001



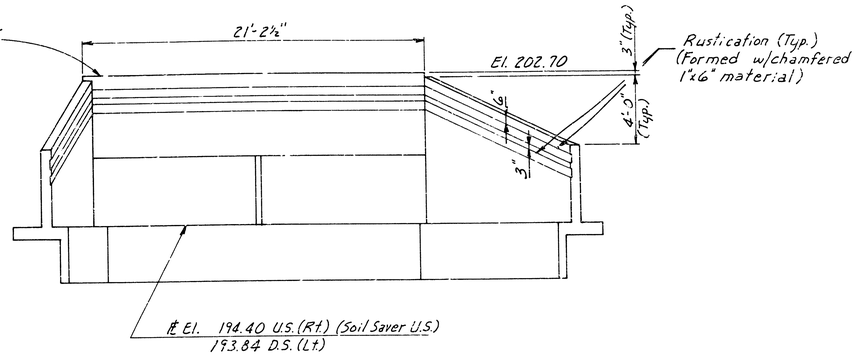
RENTA-CENTER/HI-TECH IND. PARK SEC. AD.
S.W.S. NO. 306
PROJ. NO. 468.76.245-8545-000.000.001

6/01

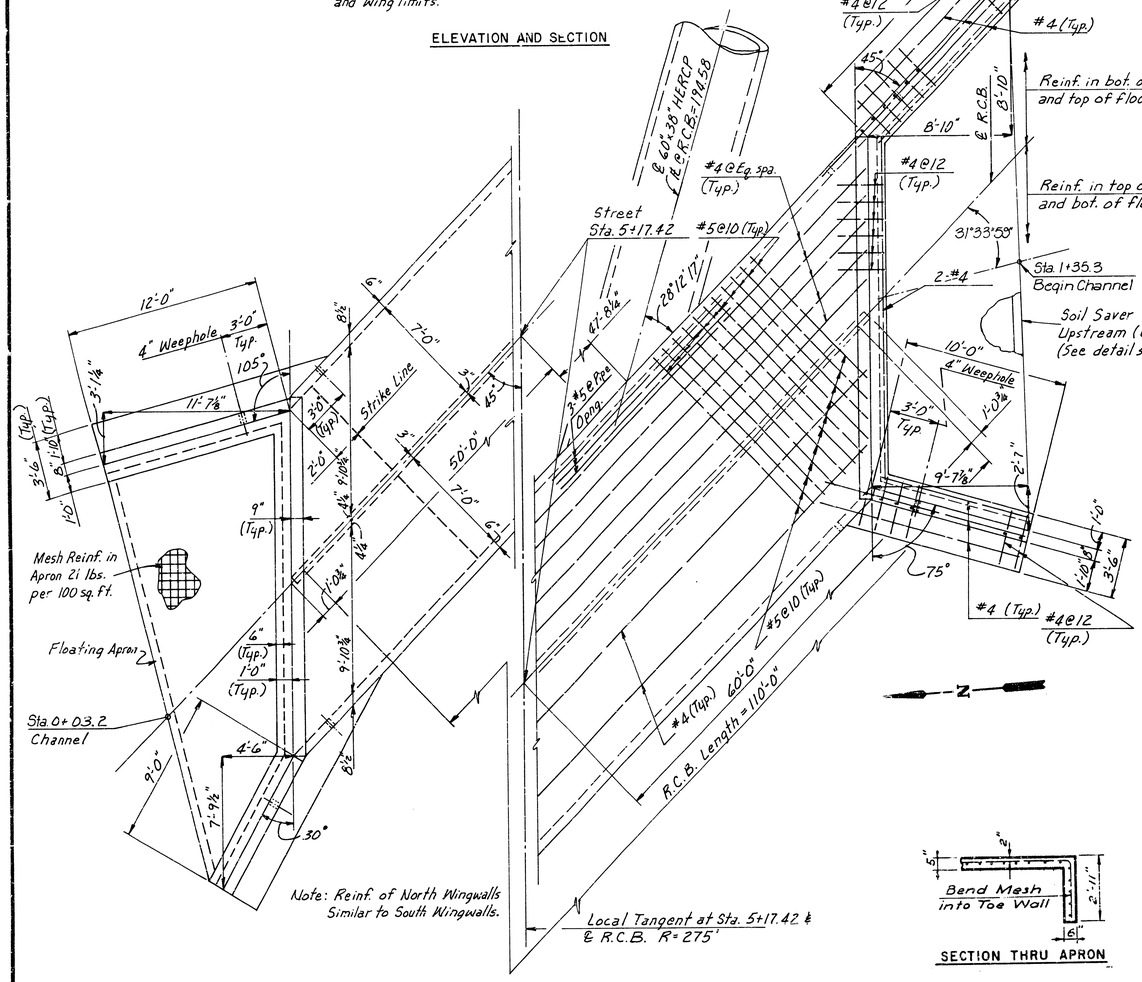
19 of 19



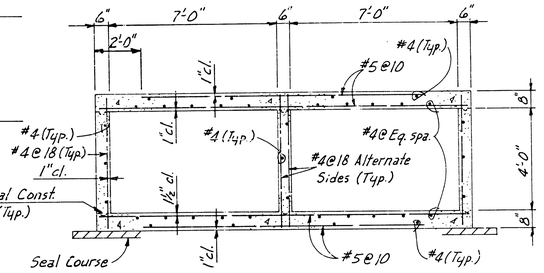
ELEVATION AND SECTION



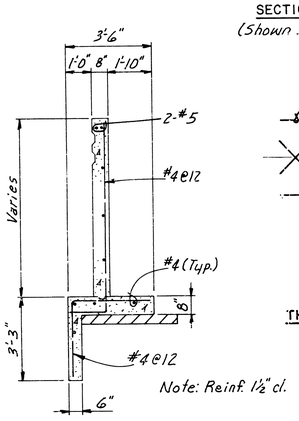
END ELEVATION



PLAN AND SECTION

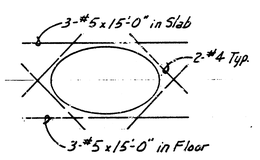


SECTION THRU BOX
(Shown ⊥ to ℄ RCB)

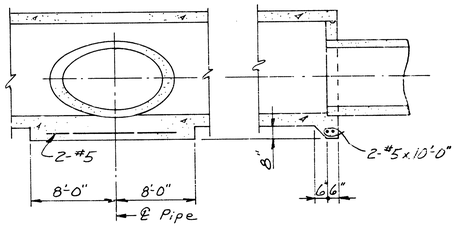


SECTION THRU WING

Note: Extend all wing longitudinal reinforcing steel into barrel to lap a minium of 18" with barrel longitudinal reinforcing.



REINF. AT PIPE
THRU REINF. CONC. BOX



SECTIONS AT PIPE

SECTION THRU APRON

LOADING: H20-44 AASHTO Specifications, Edition of 1984
UNIT STRESSES: fc = 4,000 psi, fs = 24,000 psi (Gr. 60)
The concrete mix specified for the City of Wichita concrete Pavement shall be used throughout. Bevel all exposed edges with a 3/4" triangular moulding, unless otherwise noted. The contractor shall adjust the concrete water content to attain a minimum 28-day strength of 4,000 psi.

Coarse Aggregate shall be deposited benind each weephole to occupy a space extending 15" in all directions above the weephole flowline. This work shall not be paid for directly, but shall be considered as part of the excavation work.

Construction joints shall be formed only at locations shown or as approved by the Engineer.

A Seal Course of 3" of concrete shall be constructed under the entire floor slab and wing footings. No reinforcing steel shall be placed until the Seal Course has gained sufficient strength to permit working upon it without injury. This item shall not be paid directly but be considered subsidiary to other items.

The steel reinforcing and bar supports shall be supplied in accordance with the "Manual of Standard Practice" of the Concrete Reinforcing Steel Institute. The shop drawings for all reinforcing steel shall be submitted to the Engineer for examination prior to fabrication.

Cost of Excavation and Backfill for the Reinforced Concrete Box Culvert shall be Subsidiary to the Cost of the Culvert.

REINFORCED CONCRETE BOX CULVERT

MK EC

RENT-A-CENTER

R.C.B. DETAILS

CITY PROJECT NO.
468-76-245-81545-000-000-001

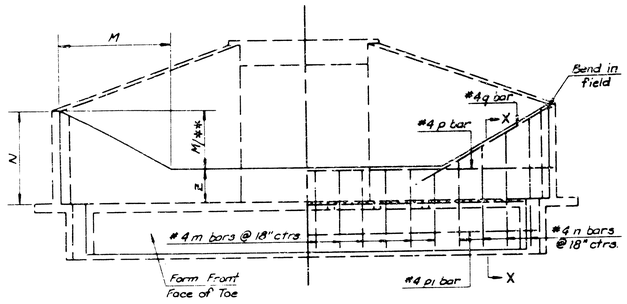
Design: KJS
Drawn by: MJV
Checked by: KJS
Date: April 1987
Job no.

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
682-6561

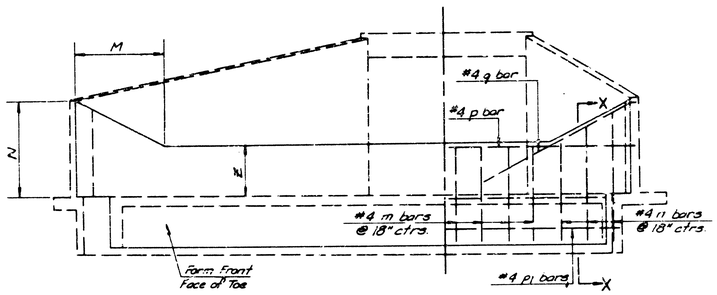
Sheet 11 of 19

11/19

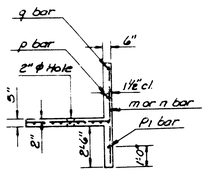
FHWA REGION NO	STATE	PROJECT NO	YEAR	SHEET NO	TOTAL SHEETS
7	KANSAS		19		



ELEVATION AND SECTION



ELEVATION AND SECTION



SECTION X-X

GENERAL NOTES

CONCRETE: Class A Concrete** shall be used throughout.

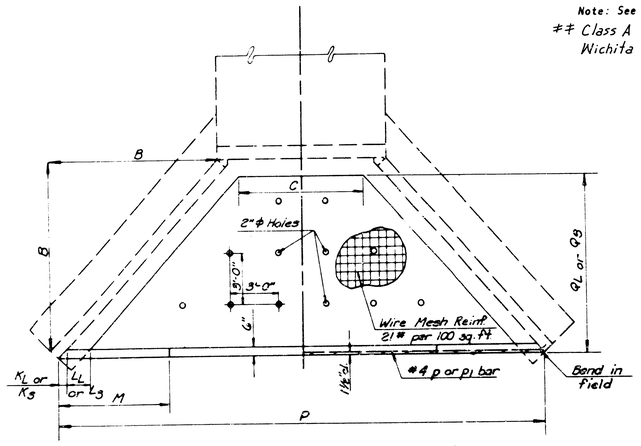
All exposed edges shall be finished with an edging tool.

REINFORCING: All dimensions are to ℄ of bar. Wire reinforcing mesh shall be electrically welded and shall be composed of No. W 1.4 wire at 6" centers each way. ~~Weight of reinforcing mesh shall be classified as pounds of reinforcing steel.~~

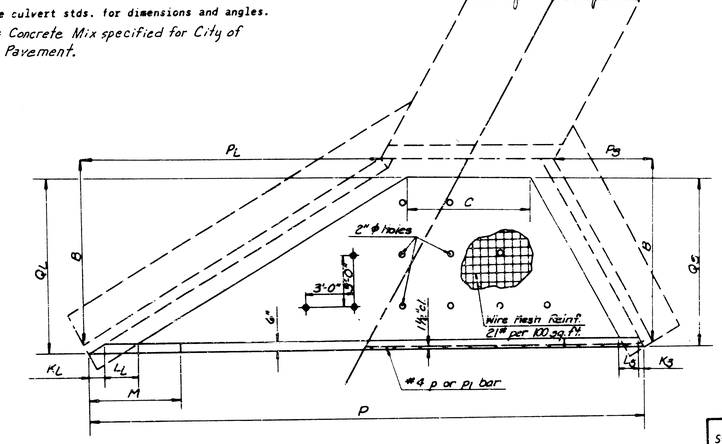
When holes in the apron are warranted by drainage conditions, they shall be constructed as directed by the Engineer.

Note: See appropriate culvert stds. for dimensions and angles.

** Class A Concrete = Concrete Mix specified for City of Wichita Concrete Pavement.



PLAN



PLAN – SKEW

NOTE: ALL REINFORCING BARS ARE NO. 4 BARS

STATION 5+17.42 Skew 45° Lt. Z=1.10'

	M	N	P	Q_L	Q_S	K_L	K_S	L_L	L_S
Letter									
Dimension	8'-0"	4'-0 5/8"	31'-11 1/4"	7'-10"	8'-7 7/8"	0'-6"	0'-1 5/8"	1'-5"	1'-0 1/2"

Bar	m	n*	p	p_1	q
Number					
Length					

Sq. ft. mesh
Cl. A Conc. C.Y.
Reinf. Steel lbs.

Quantities include apron and soil saver quantities.

* n bars are variable, increase by increments of 7" for $B/_{3.5}$ and 9" for $B/_{3}$. Cut 2 each length.

LIST OF SOIL SAVERS

Station	Culvert Size	Side	Z	Skew
5+17.42	2-7x4	Rt.	1.10	45° Lt.

NO	DATE	REVISIONS	BY	APP'D
3				
2				
1				

DEPARTMENT OF TRANSPORTATION – KANSAS

12/19

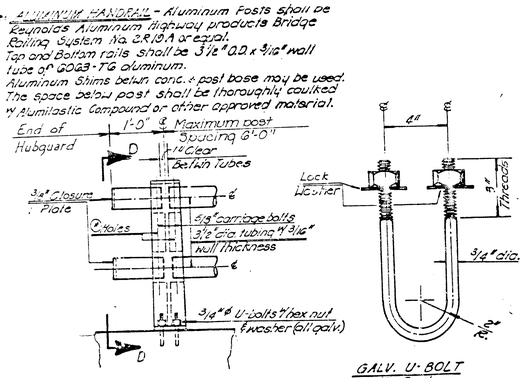
SOIL SAVER FOR R.C. CULVERTS

12/19

~~STD. NO. 520.1~~ 12/6/76

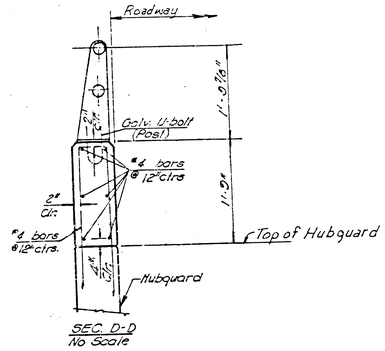
SHEET NO	OF	SCALE	APP'D
DESIGNED Bowyer		DETAILED Bowser	QUANTITIES
DESIGN CK Wilkinson		DETAIL CK Hecht	DRAWN
			TRACED Bowser
			TRACE CK Hecht

Note: ALUMINUM HANDRAIL - Aluminum Posts shall be Reynolds Aluminum Highway products Bridge Railing System No. 2R19A or equal.
Top and Bottom rails shall be 3 1/2" O.D. x 3/16" wall tube of 6063-T6 aluminum.
Aluminum Shims betwn conc. & post base may be used.
The space betw post shall be thoroughly caulked w/ Alumilastic Compound or other approved material.

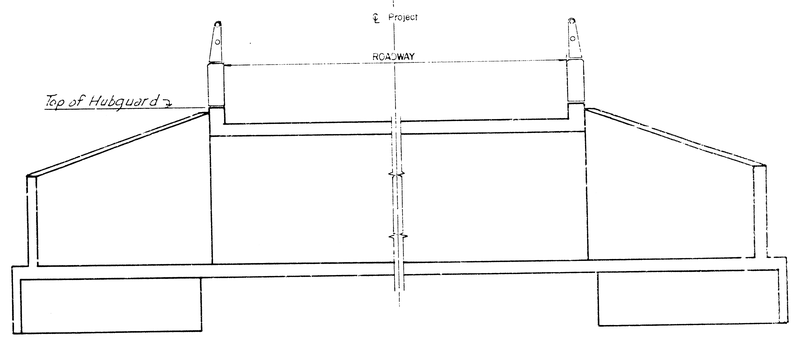


Ⓟ Holes - 1/16" ℄ holes in post under head & 1/16" ℄ holes under nuts for 5/16" Ø x 5 1/2" Carriage bolts w/ hex nuts.

GALV. U-BOLT
No Scale



SEC. D-D
No Scale

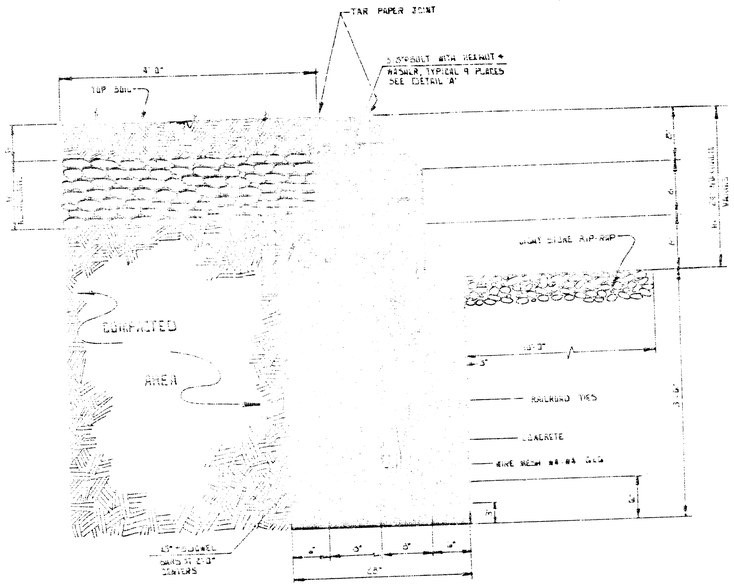


TYPICAL ALUMINUM HANDRAIL DETAIL

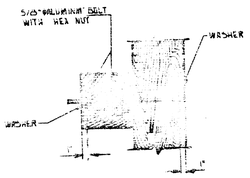
ALUMINUM HANDRAIL DETAIL

MID-KANSAS ENGINEERING CONSULTANTS PA
3500 NORTH ROCK ROAD
BUILDING #800
WICHITA, KANSAS 67226
682-6561

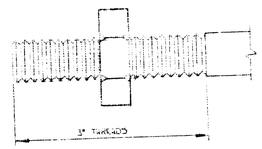
Sheet 13
of 19



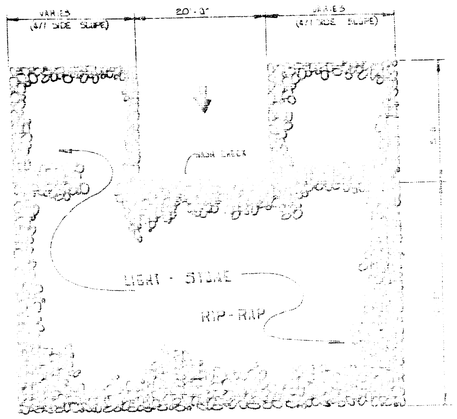
SIDE VIEW
NO SCALE



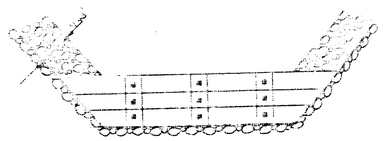
DETAIL 'A'
NO SCALE



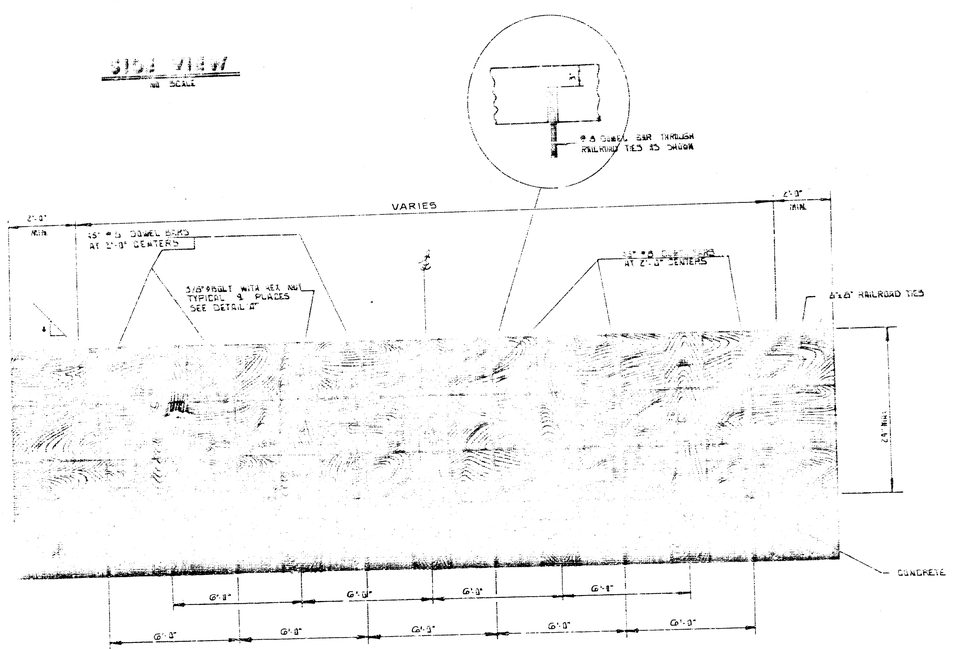
ALUMINUM BOLT DETAIL
NO SCALE



RIP-RAP DETAIL
NO SCALE



FRONT VIEW RIP-RAP



FRONT VIEW
NO SCALE

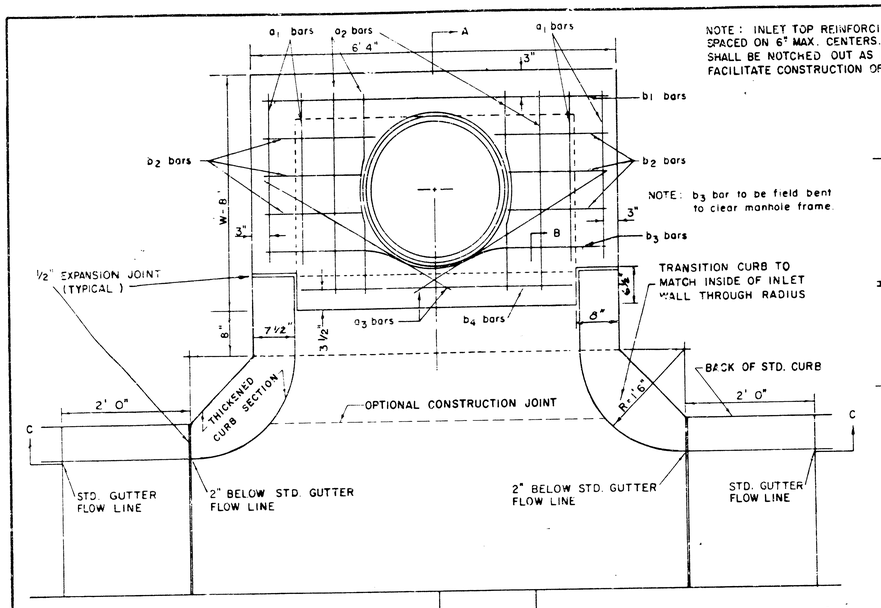
GENERAL NOTES:

1. Contractor shall use new railroad ties.
2. Contractor shall re-treat railroad ties around bolts and bars.
3. All wash checks, earthwork, materials and labor shall be included in "Lump Sum" bid. Earthwork of channel shall be paid separately.

WASH CHECK DETAILS

MID-KANSAS ENGINEERING CONSULTANTS PA
2420 NORTH ROCK ROAD
SUITE 100
WICHITA, KANSAS 67206
682-6641

SHEET 14
OF 19 SHEETS

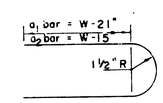


NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.

PLAN

NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.

NOTE: b_3 bar to be field bent to clear manhole frame.



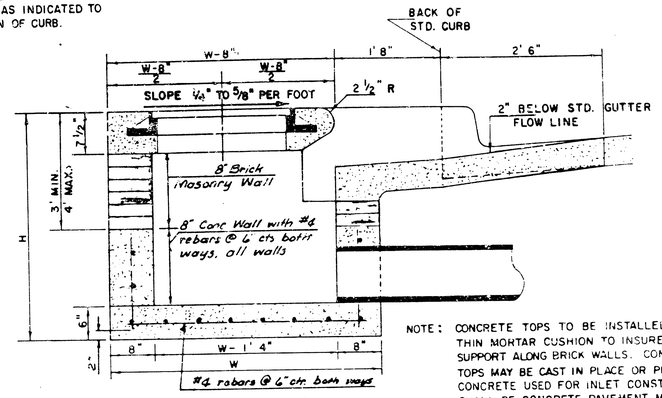
BENDING DIAGRAM

STEEL SCHEDULE

BAR	a_1	a_2	a_3*	b_1 W=4'4"	W=5'4"	W=6'4"	W=7'4"	W=8'4"	b_2	b_3	b_4	WT. LBS.
NUMBER	4	4	2	1	3	5	7	9	6	1	1	
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	
LENGTH W=4'4"	5'7"	6'7"	4'0"	6'1"	–	–	–	–	1'9"	6'2"	4'8"	60±
LENGTH W=5'4"	7'7"	8'7"	5'0"	–	6'1"	–	–	–	1'9"	6'2"	4'8"	81±
LENGTH W=6'4"	9'7"	10'7"	6'0"	–	–	6'1"	–	–	1'9"	6'2"	4'8"	101±
LENGTH W=7'4"	11'7"	12'7"	7'0"	–	–	–	6'1"	–	1'9"	6'2"	4'8"	121±
LENGTH W=8'4"	13'7"	14'7"	8'0"	–	–	–	–	6'1"	1'9"	6'2"	4'8"	141±

* NOTE: a_3 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
4' 4"	3'8"x 6'4" x7 1/2"	21" & SMALLER	0.38 ±
5' 4"	4'8"x 6'4" x7 1/2"	24" & 30"	0.51 ±
6' 4"	5'8"x 6'4" x7 1/2"	36" & 42"	0.64 ±
7' 4"	6'8"x 6'4" x7 1/2"	48" & 54"	0.77 ±
8' 4"	7'8"x 6'4" x7 1/2"	60" & 66"	0.90 ±



SECTION A-A

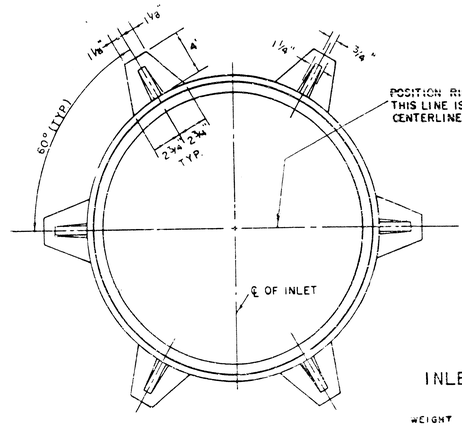
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX.

NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W = 6'4" AND H = 7'0" OR LESS.

ADDITIONAL CURB AND GUTTER CONSTRUCTION NECESSARY TO CONNECT SET-BACK INLET TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID FOR EACH INLET HOOKUP.

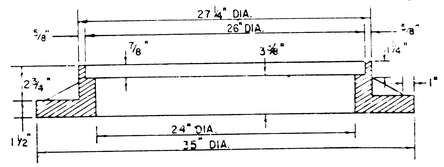
INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

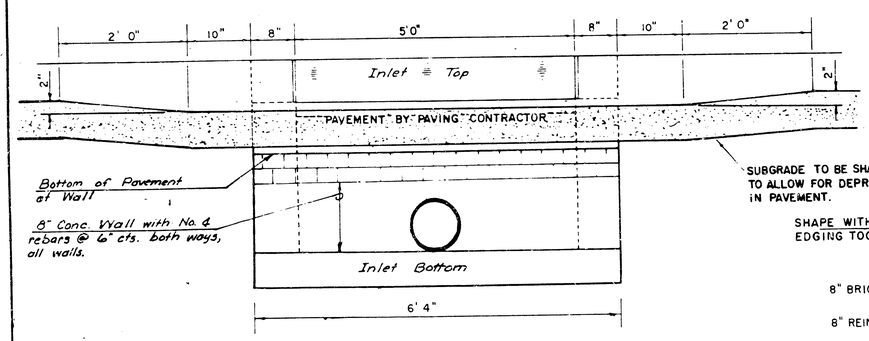


INLET FRAME

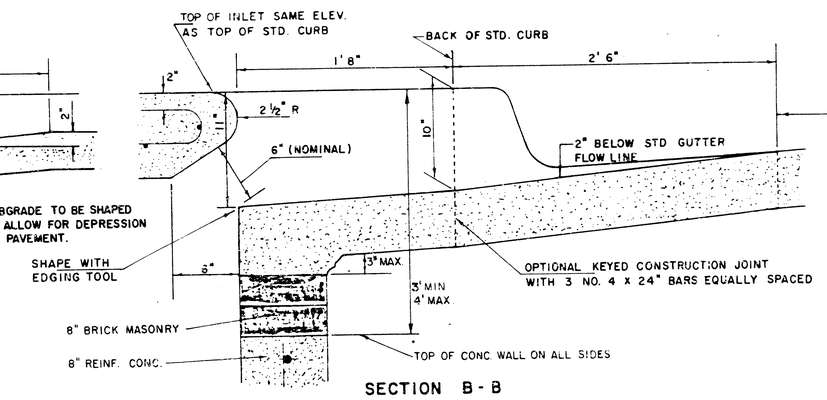
WEIGHT = 180 LBS.



SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.



SECTION C-C



SECTION B-B

REVISED 12-21-1984

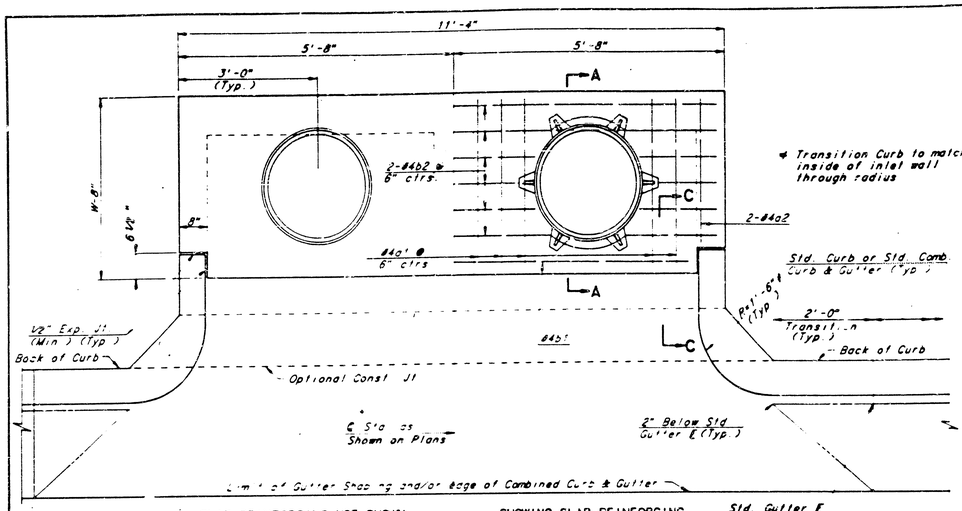
DETAIL STANDARD TYPE IA CURB INLET

CITY OF WICHITA, KANSAS

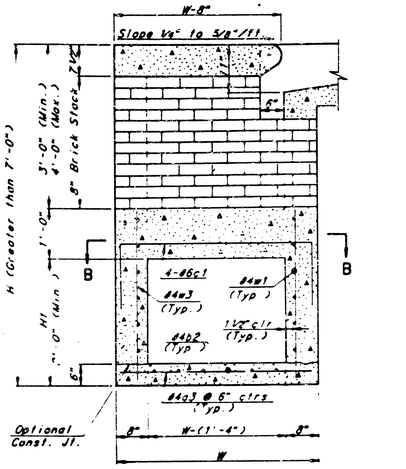
INLET OPENING = 6" x 5'0"

JUNE 1984

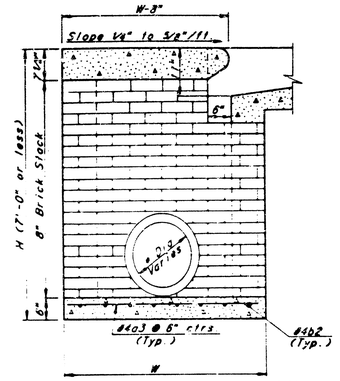
15/19



PLAN



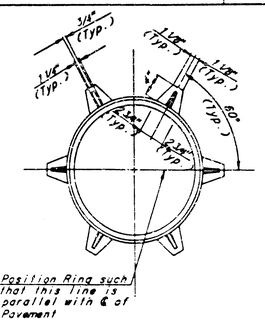
TYPICAL INLET SECTION AT CENTER WALL
(REINFORCED CONCRETE WALLS)

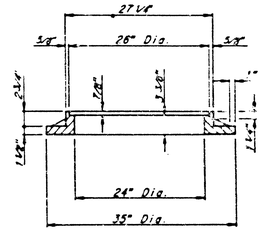


TYPICAL INLET SECTION AT CENTER WALL
(MASONRY WALLS)

* A center wall opening shall be provided by means of a section of reinforced concrete pipe. The minimum diameter used shall be that of the outlet pipe.

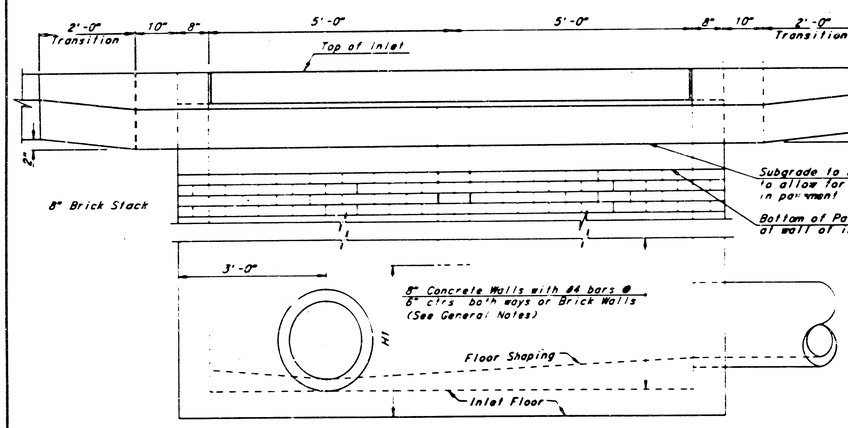
PROJECT NO.	SHEET NO.	TOTAL SHEETS



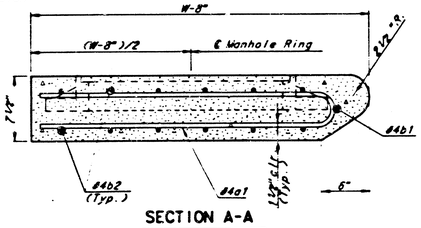


CAST IRON INLET RING
Wt.=180 lbs.

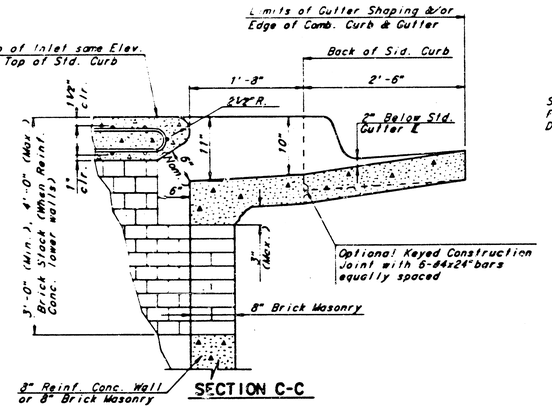
See City of Wichita Standard Manhole Frame and Cover Detail Sheet for Cover Details to be used with Inlet Frame.



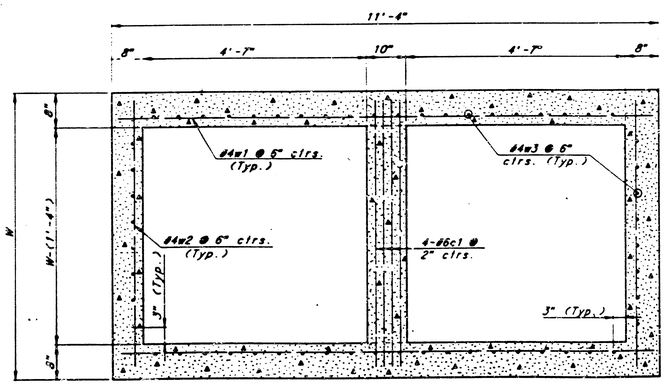
ELEVATION



SECTION A-A



SECTION C-C



SECTION B-B

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	13	6'-7 1/4"	13	8'-7 1/4"	13	10'-7 1/4"	13	12'-7 1/4"	13	14'-7 1/4"
a2	#4	2	6'-0"	2	8'-0"	2	10'-0"	2	12'-0"	2	14'-0"
a3	#4	20	4'-1"	20	5'-1"	20	6'-1"	20	7'-1"	20	8'-1"
b1	#4	1	9'-8"	1	9'-8"	1	9'-8"	1	9'-8"	1	9'-8"
*b2	#4	18	11'-1"	24	11'-1"	30	11'-1"	36	11'-1"	42	11'-1"

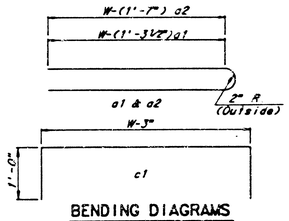
WALL REINFORCING

		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
c1	#6	4	6'-1"	4	7'-1"	4	8'-1"	4	9'-1"	4	10'-1"
w1	#4	①	11'-1"	①	11'-1"	①	11'-1"	①	11'-1"	①	11'-1"
w2	#4	①	4'-1"	①	5'-1"	①	6'-1"	①	7'-1"	①	8'-1"
w3	#4	②	③	②	③	②	③	②	③	②	③

* Field bend or cut Reinforcing as required for clearance
① 4(H1-6")+4 (H1-6") Rounded down to nearest 0.5'
② 40+4(W - 16") ③ H1+(9")

GENERAL NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET 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 AND THE CENTER WALL SHALL BE OF MASONRY CONSTRUCTION AS SHOWN FOR THE MASONRY WALL OPTION.
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 TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. CONCRETE USED FOR INLET CONSTRUCTION SHALL BE CONCRETE PAVEMENT MIX.
4. INLET TOP REINFORCING SHALL BE SPACED ON 6" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB. BARS IN INLET TOP TO BE FIELD BENT OR CUT TO CLEAR MANHOLE RING.
5. THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.



BENDING DIAGRAMS

REVISED 12-21-84

STANDARD TYPE 1A CURB INLET

INLET OPENING = 6" x 10'-0"

WICHITA, KANSAS

16/19

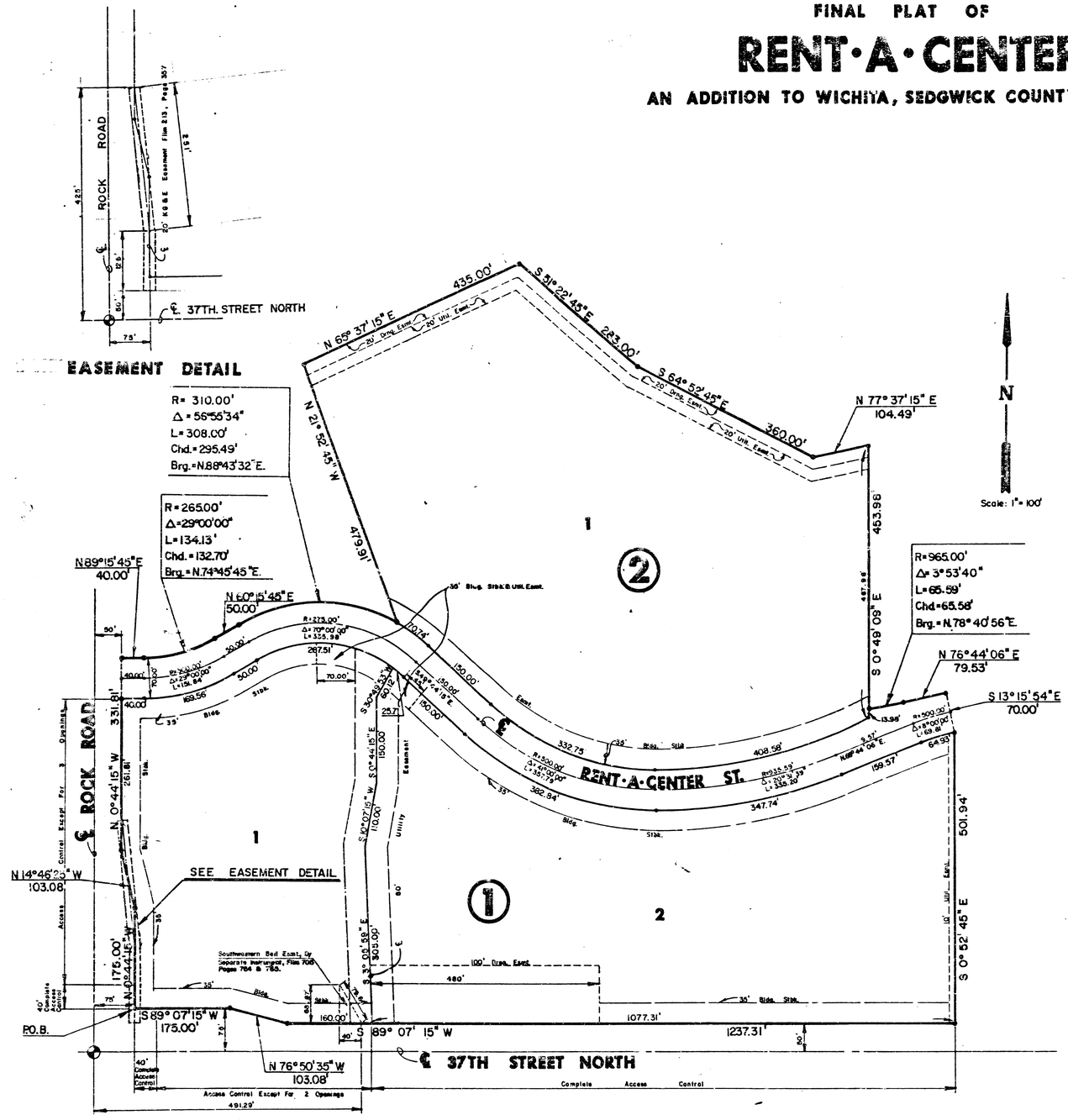
Designed by	BER, KJS, MWH	Checked by	MWH	
Drawn by	JGC	Date	Nov., 1984	Job No. 16/19

C-1 5-32

FINAL PLAT OF

RENT·A·CENTER

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



I, Kenneth H. Bengtson, a Civil Engineer in Kansas, do hereby certify that I have been in responsible charge of surveying and platting of "RENT-A-CENTER", an addition to Wichita, Sedgwick County, Kansas, into Lots, Blocks, and a Street, the same being accurately set forth in the accompanying plat and described as follows:

A replat of Lots 1 through 4 inclusive, Block 1. Lot 1, Block 2, and a portion of Rent-A-Center street right-of-way as platted in Hi-Tech Industrial Park Second Addition, an addition to Wichita, Sedgwick County, Kansas, and a portion of Reserve J, as platted in Willowbend First Addition, an addition to Wichita, Sedgwick County, Kansas, more particularly described as follows:

Beginning at the Southwest corner of said Lot 1, Block 1, Hi-Tech Industrial Park Second Addition; thence N 00° 44' 15" W, 175.00 feet; thence N 14° 46' 25" W, 103.08 feet; thence N 00° 44' 15" W, 331.81 feet; thence N 89° 15' 45" E 40.00 feet to a point on a curve to the left; thence along said curve 134.13 feet, said curve having a central angle of 29° 00' 00", a radius of 265.00 feet, and a long chord, 132.70 feet, bearing N 74° 45' 45" E; thence N 60° 15' 45" E, 50.00 feet to a point on a curve to the right; thence along said curve 308.00 feet, said curve having a central angle of 56° 55' 34", a radius of 310.00 feet, and a long chord, 295.49 feet, bearing N 88° 43' 32" E; thence N 21° 52' 45" W, 479.91 feet; thence N 65° 37' 15" E, 435.00 feet; thence S 51° 22' 45" E, 283.00 feet; thence S 64° 52' 45" E, 360.00 feet; thence N 77° 37' 15" E, 104.49 feet; thence S 00° 49' 09" E, 453.98 feet; to a point on a curve to the left; thence along said curve 65.59 feet, said curve having a central angle of 3° 53' 40", a radius of 965.00 feet, and a long chord, 65.58 feet, bearing N 78° 40' 56" E; thence N 76° 44' 06" E, 79.53 feet; thence S 13° 15' 54" E, 70.00 feet; thence S 00° 52' 45" E, 501.94 feet; thence S 89° 07' 15" W, 1237.31 feet; thence N 76° 50' 35" W, 103.08 feet; thence S 89° 07' 15" W, 175.00 feet to the point of beginning.

All lots, blocks, platted easements, building setbacks and streets within the above described property are being vacated and replatted by virtue of K.S.A. 12-512(b).

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 15 day of October, 1986.

Kenneth H. Bengtson, P.E.
Mid-Kansas Engineering Consultants, P.A.
3500 N. Rock Road, Building #800
Wichita, KS 67226

KENNETH H. BENGTSON LICENSED 7238 KANSAS PROFESSIONAL ENGINEER

Know all men by these presents that we the undersigned property owners of the land as above set forth in the Civil Engineers Certificate, have caused the same to be surveyed and platted into Lots, Blocks, and streets, the same to be known as "RENT-A-CENTER", an addition to Wichita, Sedgwick County, Kansas. The streets are hereby dedicated to and for the use of the public. Easements for the construction and maintenance of public utilities and drainage as indicated on the accompanying plat are hereby granted. All abutters rights of access to and from the East line of Rock Road over and across the West line of Lot 1, Block 1, "RENT-A-CENTER", and to and from the North line of 37th Street North over and across the South line of Lots 1 and 2, Block 1, "RENT-A-CENTER", are hereby granted to the City of Wichita, provided however, that Lot 1, Block 1 shall have access to 37th Street North at two locations and to Rock Road at three locations to be determined by the Engineer of the City of Wichita.

RENT-A-CENTER OF AMERICA, INC.

By: Stanley G. Gegen
Stanley G. Gegen, Vice-President Controller

STATE OF KANSAS)
) ss:
SEDGWICK COUNTY)

Be it remembered that on this 15 day of October, 1986, before me a Notary Public in and for said State and County, came Stanley G. Gegen, Vice-President Controller, on behalf of Rent-A-Center of America Inc., to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed my notarial seal the day and year above written.

Karen S. Kliewer, Notary Public
Karen S. Kliewer
My Appointment Expires: 11-23-87

KAREN S. KLIEWER NOTARY PUBLIC State of Kansas My Appt. Expires 11-23-87

#849032

Bank IV Wichita, N.A.

By: _____
Co-Trustee
T. H. Schoop, Vice President & Trust Officer

STATE OF KANSAS)
) ss:
SEDGWICK COUNTY)

Be it remembered that on this 4 day of October, 1986, before me a Notary Public in and for said State and County, came Bank IV Wichita, N.A., Co-Trustee, on behalf of the Thomas R. Devlin Jr. Living Trust and the Timothy J. Devlin Living Trust, to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed my notarial seal the day and year above written.

_____, Notary Public
Lorayne Bitting
My Appointment Expires: _____

LORRAYNE BITTING STATE OF KANSAS MY APPT. EXPIRES 7-7-87

Phillip David Egan

By: _____
Co-Trustee

STATE OF KANSAS)
) ss:
SEDGWICK COUNTY)

Be it remembered that on this 6 day of October, 1986, before me a Notary Public in and for said State and County, came Phillip David Egan, Co-Trustee, on behalf of the Thomas R. Devlin Jr. Living Trust and the Timothy J. Devlin Living Trust, to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed my notarial seal the day and year above written.

_____, Notary Public
Mary L. Schlogeck
My Appointment Expires: 4-27-89

MARY L. SCHLOGECK STATE OF KANSAS NOTARY PUBLIC

This plat of "RENT-A-CENTER" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this 2nd day of October, 1986.

WICHITA-SEDGWICK COUNTY METROPOLITAN AREA PLANNING COMMISSION

_____, Chairman
John Terry Moore

_____, Secretary
Richard E. Lindebak

This plat approved and all dedications shown hereon, if any, accepted by the City Commission of the City of Wichita, Kansas, this 17TH day of NOV, 1986.

_____, Mayor
Tony Casado

_____, City Clerk
Donald L. Gisick

Entered on transfer record this 2nd day of December, 1986.

_____, County Clerk
Don Wright By Pat Keetler

STATE OF KANSAS)
) ss:
SEDGWICK COUNTY)

This is to certify that this instrument was filed for record in the Register of Deeds office this 2ND day of DECEMBER, 1986 AT 4:00 PM

_____, Register of Deeds
Pat Kettler

_____, Deputy
Ed Rose

20.00

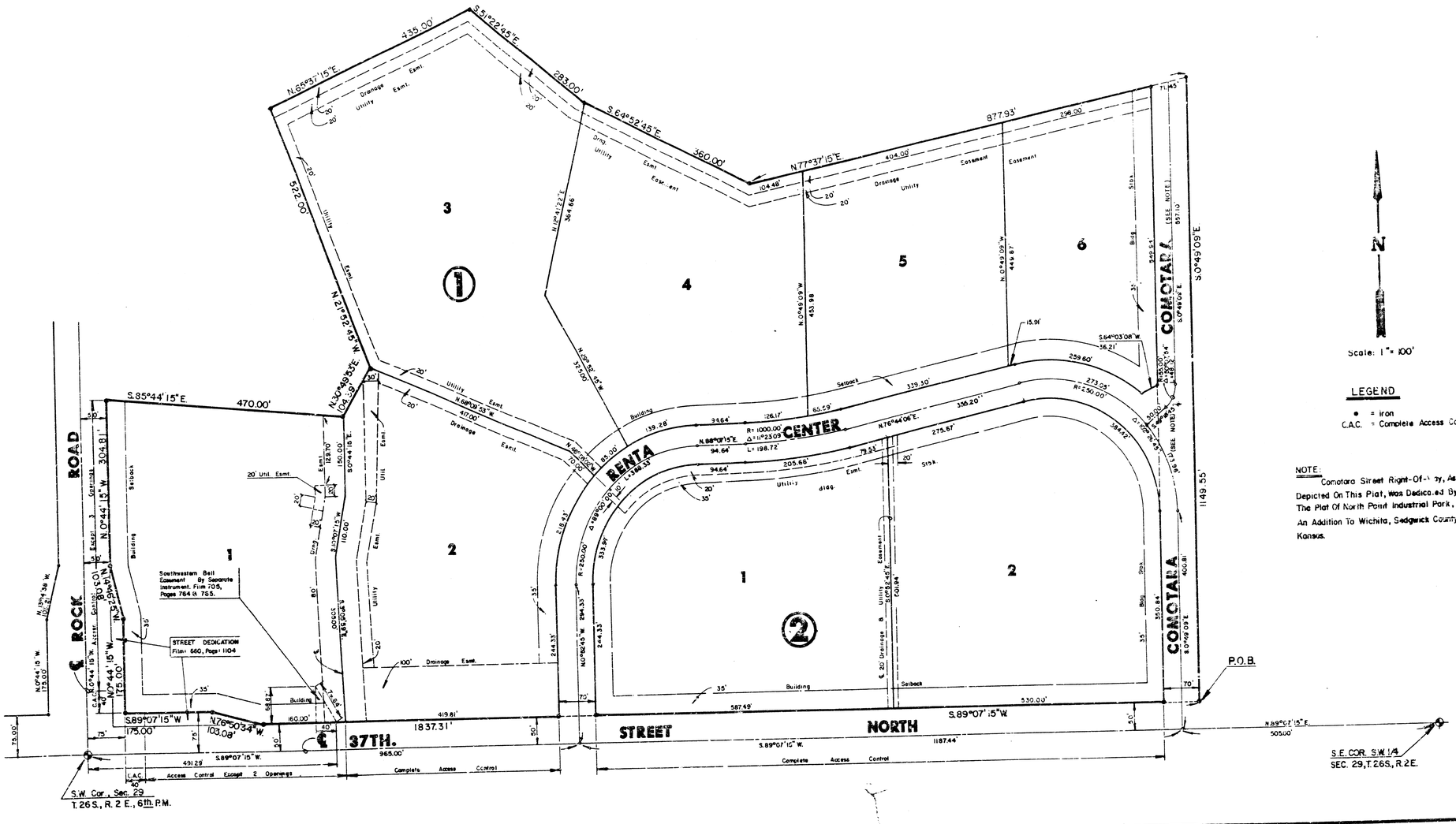
C-1 5-32

45-354

FINAL PLAT OF

HI-TECH INDUSTRIAL PARK SECOND ADDITION

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



18/19

A5-354

HI-TECH INDUSTRIAL PARK SECOND ADDITION

A-5-354

FINAL PLAT OF

HI-TECH INDUSTRIAL PARK SECOND ADDITION

AN ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS

I, Kenneth H. Bengtson, a Civil Engineer in Kansas, do hereby certify that I have been in responsible charge of surveying and platting of "HI-TECH INDUSTRIAL PARK SECOND ADDITION" an addition to Wichita, Sedgwick County, Kansas into lots, blocks, and streets, the same being accurately set forth in the accompanying plat and described as follows:

A replat of a portion of Lots 1 through 5 inclusive, Block 1 and Reserve "A", also all of Lots 6 and 7, Block 1 and Lots 1 and 2, Block 2, Hi-Tech Industrial Park and also an unplatted tract of land all within the Southwest Quarter of Section 29, Township 26 South, Range 2 East of the 6th Principal Meridian more particularly described as follows:

Beginning at the northeast corner of 37th Street North and Comotara, thence westerly along the north line of 37th Street North, bearing S 89° 07' 15" W, 1837.31 feet; thence N 76° 50' 34" W, 103.08 feet; thence S 89° 07' 15" W, 175.00 feet to the east line of Rock Road; thence northerly along said east line bearing N 0° 44' 15" W, 175.00 feet; thence N 14° 46' 25" W, 103.08 feet; thence N 0° 44' 15" W, 304.81 feet; thence S 85° 44' 15" E, 470.00 feet; thence N 30° 49' 53" E, 104.39 feet; thence N 71° 52' 45" W, 522.00 feet, thence N 65° 37' 15" E, 435.00 feet; thence S 51° 22' 45" E, 283.00 feet; thence S 64° 52' 45" E, 360.00 feet; thence N 77° 37' 15" E, 877.93 feet; thence S 0° 49' 09" E, 1149.55 feet to the point of beginning, except that portion platted as Comotara Street.

All Lots, Blocks, platted easements, building setbacks and streets within the above described property are being vacated & replatted by virtue of K.S.A. 12-512(b).

I hereby certify that the details of this plat are correct to the best of my knowledge and belief this 21st day of January, 1986.

Kenneth H. Bengtson
Kenneth H. Bengtson
Mid-Kansas Engineering Consultants, P.A.
3500 N. Rock Road, Bldg. 800
Wichita, KS 67226

KENNETH H. BENGTSON LICENSED 7238 KANSAS PROFESSIONAL ENGINEER

Know all men by these presents that we the undersigned property owners of the land as above set forth in the Civil Engineers Certificate, have caused the same to be surveyed and platted into lots, blocks, and streets, the same to be known as "HI-TECH INDUSTRIAL PARK SECOND ADDITION", an addition to Wichita, Sedgwick County, Kansas. The streets are hereby dedicated to and for the use of the public. Easements for the construction and maintenance of public utilities and drainage as indicated on the accompanying plat are hereby granted. All abutters rights of access over and across the east line of Rock Road, and the north line of 37th Street North, are hereby granted to the City of Wichita, provided however, that Lot 1, Block 1 shall have access to 37th Street North at two locations and to Rock Road at three locations to be determined by the Engineer of the City of Wichita.

Woodlawn Development Company,
a Partnership

By: Donald K. Ablah, attorney in fact for
Woodlawn Development Company

STATE OF KANSAS
SS:
COUNTY OF SEDGWICK

Be it remembered that on this 21st day of January, 1986, before me, a Notary Public in and for said State and County, came Donald K. Ablah, attorney in fact for Woodlawn Development Company, on behalf of Woodlawn Development Company, to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed by notarial seal the day and year above written.

Joyce L. Kaufman, Notary Public
My Appointment Expires: June 2, 1988

JOYCE L. KAUFMAN NOTARY PUBLIC STATE OF KANSAS My Appt. Exp. 6-2-88

This plat of "HI-TECH INDUSTRIAL FARK SECOND ADDITION" has been submitted to and approved by the Wichita Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas.

Dated this 25th day of NOVEMBER, 1985.

Wichita-Sedgwick County Metropolitan Area Planning Commission

William J. Goebel, Chairman

Michael E. Lindebak, Secretary

79446

We, the Wichita State Bank, Mortgagees on the above described property, do hereby consent to the plat of "HI-TECH INDUSTRIAL PARK SECOND ADDITION."

WICHITA STATE BANK, WICHITA, KANSAS

By: Larry G. Burns, Senior Vice President

STATE OF KANSAS
SS:
COUNTY OF SEDGWICK

Be it remembered that on this 24th day of January, 1986 before me a Notary Public in and for said State and County came the Wichita State Bank, Wichita, Kansas, by Larry G. Burns, Senior Vice President, to me personally known to be the same person who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed my notarial seal. In the day and year above written.

Jan Read, Notary Public
My Appointment Expires: June 23 1989

JAN READ NOTARY PUBLIC STATE OF KANSAS My Appt. Exp. 6-23-89

This plat approved and all dedications shown hereon, if any, accepted by the City Commission of the city of Wichita, Kansas, this 4th day of February, 1986.

Robert G. Brown, Mayor

Donald C. Gisick, City Clerk

Entered on transfer record this 13th day of March, 1986.

for Don Wright, County Clerk

STATE OF KANSAS
SS:
COUNTY OF SEDGWICK

This is to certify that this instrument was filed for record in the Register of Deeds Office at 2:30PM 13th day of March, 1986.

Pat Kettler, Register of Deeds

Ed Resa, Deputy

19/19

AS-358 HI-TECH INDUSTRIAL PARK SECOND ADDITION