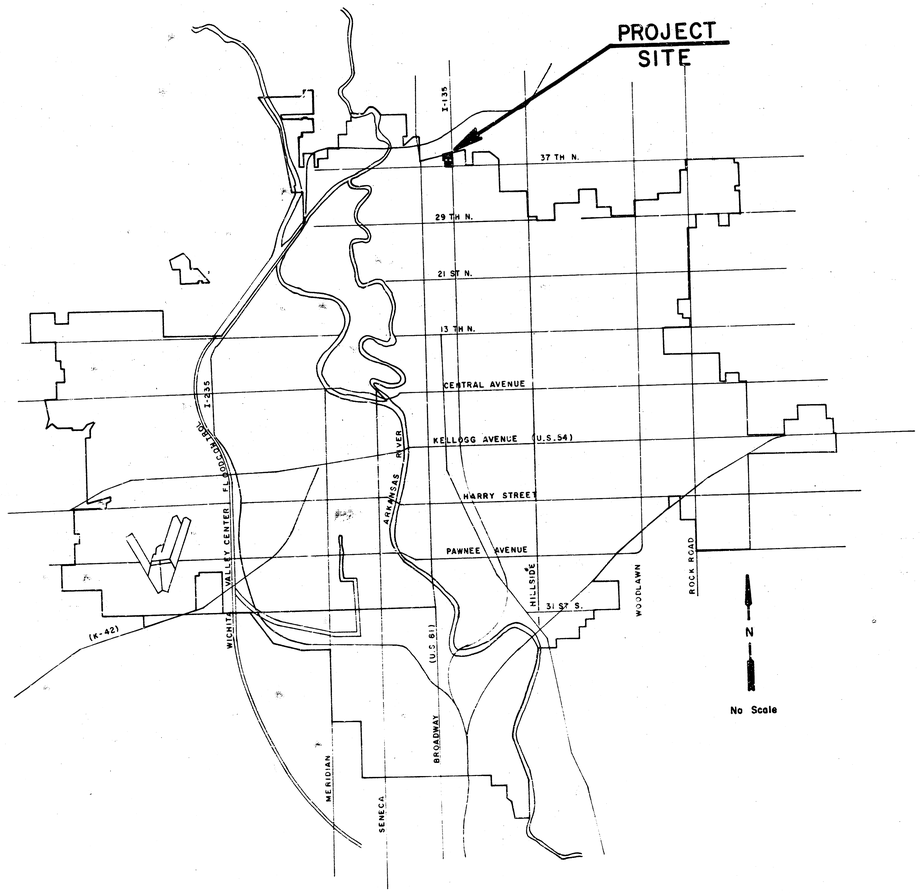
STORM WATER DRAIN #49

468-76-245-81073-000-000-001

City of Wichita, Kansas

R.W. Bruggeman, Director of Engineering/City Engineer



INDEX TO DRAWINGS

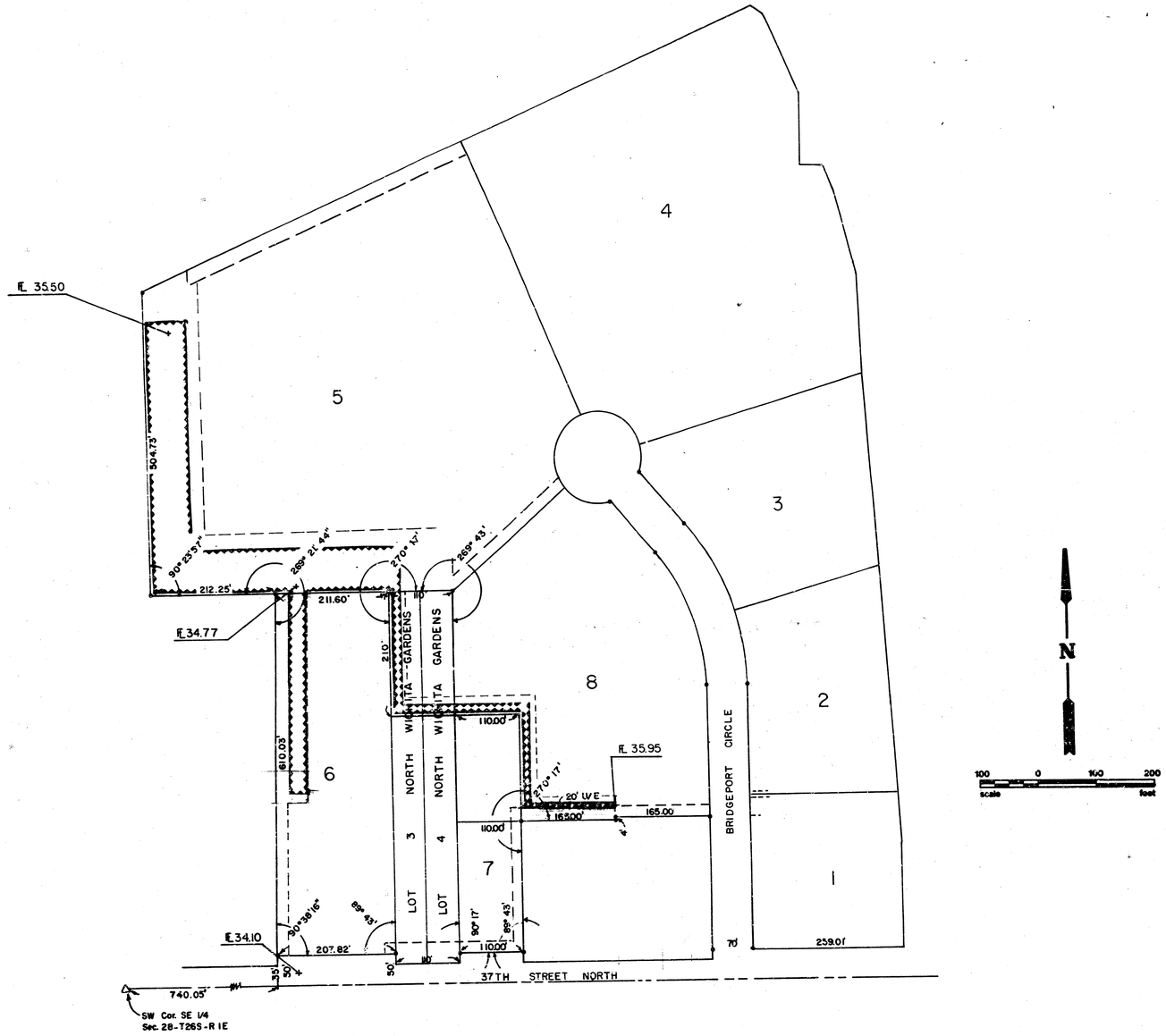
1. Title Sheet
2. General Layout
3. Plan & Profile Sta. 10+00 — 15+00
4. Plan & Profile Sta. 15+00 — 18+00
5. Plan & Profile Sta. 18+00 — 23+00
6. Plan & Profile Sta. 30+00 — 33+00
7. Plan & Profile Sta. 33+00 — 38+00
8. Plan & Profile Sta. 38+00 — 40+46
9. X-Sections
10. X-Sections

POE & ASSOCIATES OF KANSAS, INC.
CONSULTING ENGINEERS

JAMES W. [illegible] LICENSED 7252 KANSAS PROFESSIONAL ENGINEER

1/10

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GENERAL NOTES

1. Any Tree which in the opinion of the Engineer can be saved is to be saved.
2. Cost of removing Entrance as Sta. 10+26 is to be Incidental to the Project.
3. 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 Survevor or a Licenced Professional Engineer in accordance with State laws.
4. Excavated material shall be placed on LOt 6 to raise LOT 6 to elevation 138.0 and maintaining positive drainage on all lots with NO ponding of water. All excess excavated material shall be placed on site at the direction of the field engineer.
5. Minimum building pad elevation 138.00 on lots 5,6,7,and 8 "BRIDGEPORT II IND. PARK" and lots 3 and 4 "NORTH WICHITA GARDENS".
6. A PORTION OF THE CHANNEL FROM STATION 13 + 25 TO STATION 16 + 60 HAS BEEN PARTIALLY CONSTRUCTED. CONTRACTOR SHOULD PHYSICALLY VERIFY EXISTING CONDITIONS. EARTHWORK QUANTITIES ARE FOR BIDDING PURPOSES ONLY. PAY QUANTITYES WILL BE CALCULATED AT TIME OF FINAL PAYMENT.
7. FIELD ENGINEER TO TAKE CROSS-SECTIONS BEFORE AND AFTER CONSTRUCTION.

JAMES M. THOMPSON LICENSED 6262 KANSAS PROFESSIONAL ENGINEER

POE & ASSOCIATES CONSULTING ENGINEERS

CITY OF WICHITA
Dept. of Engineering
General Layout

ENGINEER: JMT	CHECKED BY: JW
DRAWN BY: JP	SCALE: NOTED
DATE: DEC. 1980	SHEET 2 OF 10

2/10

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STATE			FISCAL YEAR	SHEET NO	TOTAL SHEETS

PLAN - SURVEYED ... PLOTTED ... QUANTITIES CHECKED ... NOTE BOOK ... NO. ... BY ... DATE

PROFILE - SURVEYED ... PLOTTED ... QUANTITIES CHECKED ... NOTE BOOK ... NO. ... BY ... DATE ... R.W.M.= NOTED. STRUCTURE NOTATING OMMD

LOT 2 NORTH WICHITA GARDENS

----CAUTION---- 2" GAS

Sta. 10+26-44'Lt
Install 18 LF of 18" RCP
@ 0.22%

Sta. 10+35-25'Lt
Constr. Special Structure
See Detail This Sheet
Install 265 LF of 18"
RCP @ 0.22 %

----CAUTION ---- PROPANE TANKS

Sta. 12+40.00- 25' Lt
Constr. Special Structure
Install 35 LF of 18" RCP
@ 0.22 % & 1-18" RC Flared
End Section
Install 4 LF of 4" Pipe SE
Install Temp. 4" Plug
℄ Elev. 134.50

50.00' Temp. Constr. Easement

Sta. 13+12 to 13+35
15' Lt. & 15' Rt
Install 77 SY of Type 3 Rip Rap

WEST LINE LOT 6, BRIDGEPORT IND. PARK II

IRON

Sta. 10+15 to 10+35
18'Lt to 48' Lt.
Install 67 SY of
Type 3 Rip Rap in
Flowline of Ditch.

℄ 37th Street North

Existing Gravel Rip Rap
5'-6" Ex. Existing 84"x18" CMAP

+50.00 R/W

35.00'

℄ Channel

8-6" Cedars
6"-6" Elms
6" Elm
20' Easement
11-6" Elms
14" Cedar
1-30" Elm
1-24" Stump
9-6" Elms
7-6" Elms
11-6" Elms
10'
50' Easement

Sta. 13+10- Lt.
Begin Constr. of Berm
To Elev. 137.50

Sta. 13+25
Begin Channel Excavation
See Detail This Sheet

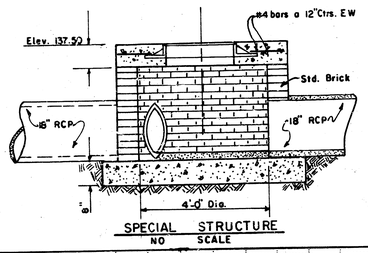
N

20 0 20 40
scale feet

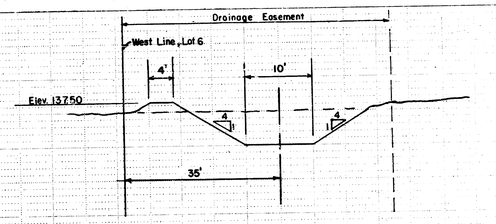
X = TREE REMOVAL

LOT 6 BRIDGEPORT IND. PARK II

SPECIAL STRUCTURE
NO SCALE



Typical Section — Sta. 13+25 to 16+60
NO SCALE



REVISED DEC. 1, 1981

JAMES M. INDMAN LICENSED 6262 KANSAS PROFESSIONAL ENGINEER

POE & ASSOCIATES CONSULTING ENGINEERS

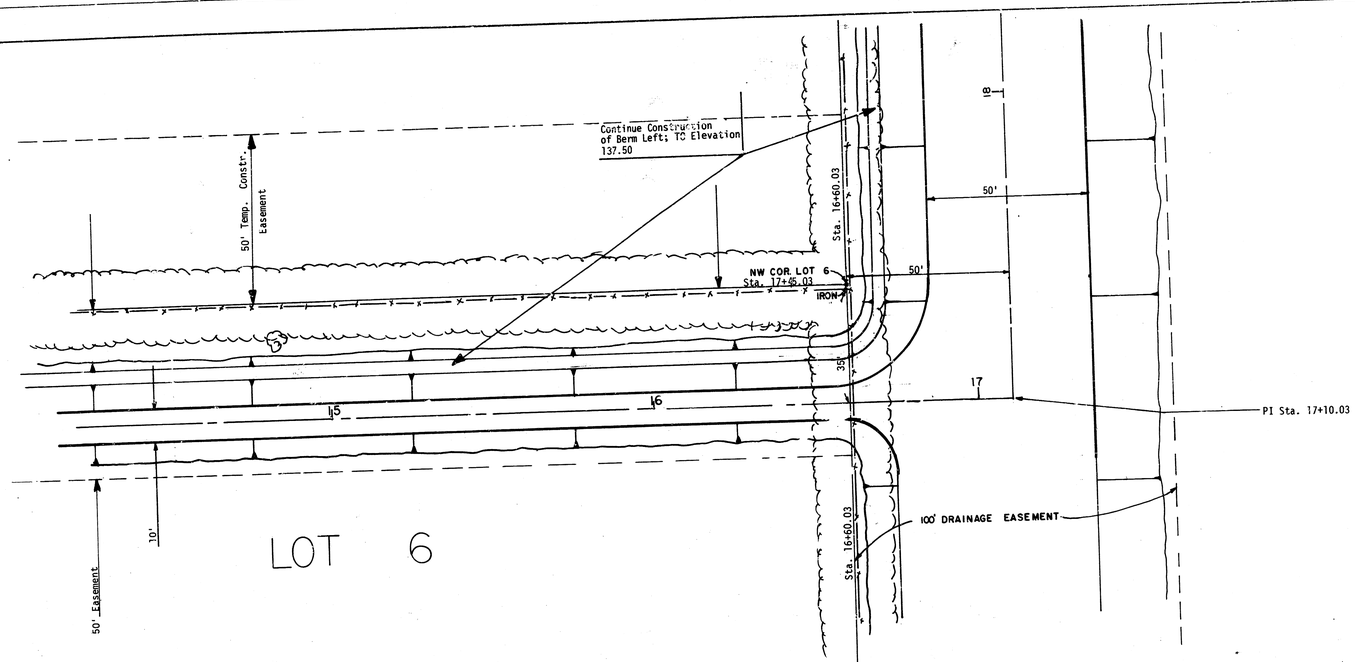
CITY OF WICHITA
Dept. of Engineering
Sta. 10+00 to Sta. 15+00
Retention Pond

ENGINEER: JMT	ENG TECH: JW
DRAWN BY: JP	SCALE: NOTED
DATE: DEC. 1980	SHEET 3 OF 10

3/10

	STATE		FISCAL YEAR	SHEET NO	TOTAL SHEETS

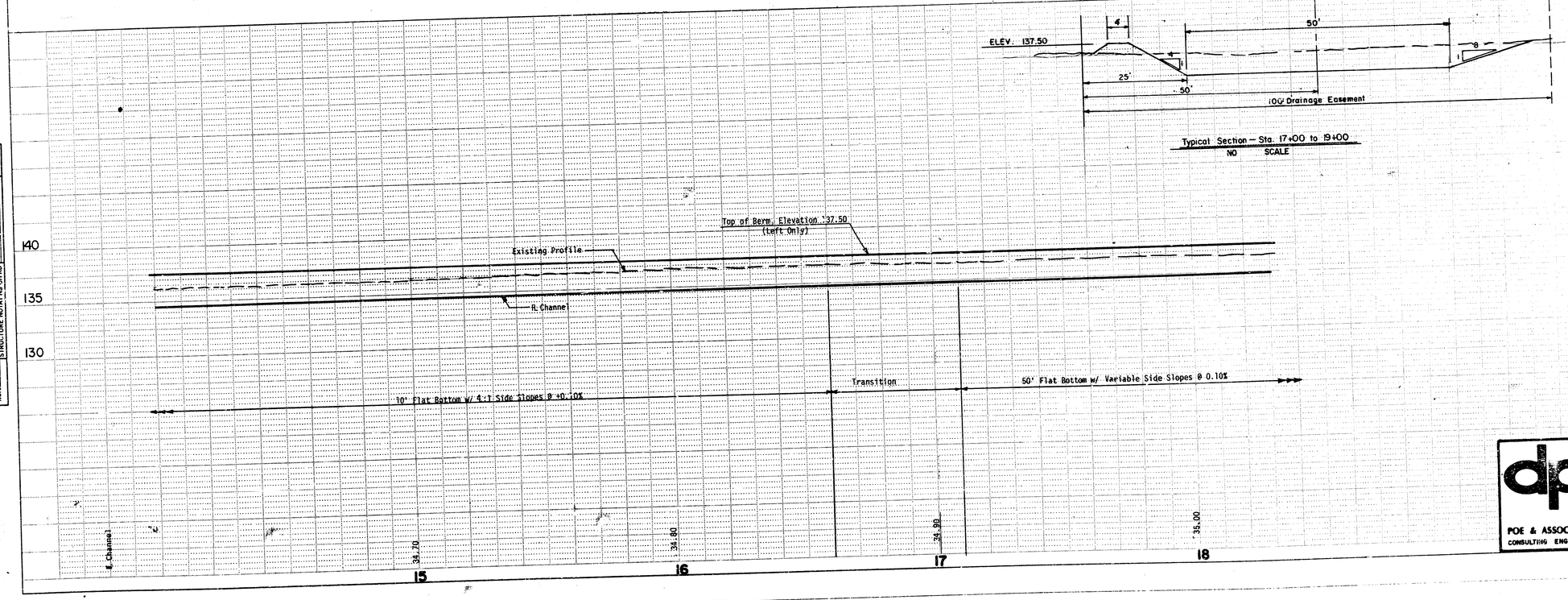
PLAN
SURVEYED
PLOTTED
ALL R/W MONUMENTS CHECKED
ALL OF WAY CHECKED
NOTE BOOK
NO.
BY
DATE



N

20 0 20 40
scale feet

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
ALL R/W MONUMENTS
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE



JAMES M. THOMPSON
LICENSED
6262
KANSAS
PROFESSIONAL ENGINEER

POE & ASSOCIATES
CONSULTING ENGINEERS

CITY OF WICHITA
Dept. of Engineering

Sta.15+00 to Sta.18+00
Retention Pond

ENGINEER: JMT	ENG TECH: JW
DRAWN BY: JP	SCALE: NOTED
DATE: DEC. 1980	SHEET 4 OF 10

4-10

	STATE		FISCAL YEAR	SHEET NO	TOTAL SHEETS

PLAN — SURVEYED: / PLOTTED: / ALIGNMENT CHECKED: / PROFILE CHECKED: / NOTE BOOK: / NO.: / BY / DATE

End of Berm
Match Exist. @ El. 137.50

West Line Lot 5

50'

20 | 21 | 22 | 23

Remove 100LF of Fence

100' Drainage Easement

50'

PI Sta. 19+07.28

Sta. 23+00
End Channel Excavation

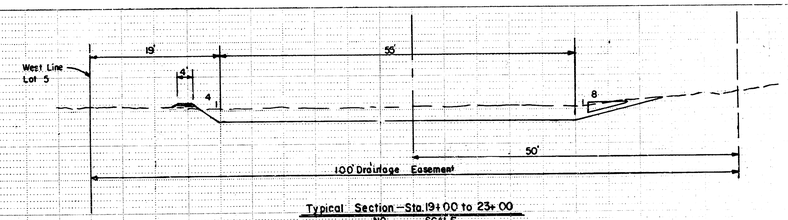
100' Drainage Easement

LOT 5

N

20 0 20 40
scale feet

PROFILE — SURVEYED: / PLOTTED: / GRADES CHECKED: / STRUCTURE NOTATNS CHKD: / NOTE BOOK: / NO.: / BY / DATE



Typical Section — Sta. 19+00 to 23+00
NO SCALE

140
135
130

Top of Berm Elevation 137.50 (Left Only)

Existing Profile

R. Channel

50' Flat Bottom w/4:1 Side Slopes @ +0.10% | Transition | 55' Flat Bottom w/ Variable Side Slopes @ 0.10%

R. Channel
35.00 | 35.10 | 35.40 | 35.30 | 35.40 | 35.50

18 | 19 | 20 | 21 | 22 | 23

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CITY OF WICHITA
Dept. of Engineering
Sta. 18+00 to Sta 23+00
Retention Pond

ENGINEER: JMT	ENG TECH: JW
DRAWN BY: JP	SCALE: NOTED
DATE: DEC. 1980	SHEET 5 OF 10

5/10

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STATE		FISCAL YEAR	SHEET NO	TOTAL SHEETS

LOT 5

LOT 6

PI Sta. 32+31.60

30+35.00 = 17+00.03

30+00

50'

55'

50'

100' Drainage Easement

32+81.60

32+11.60

20'

8'

N

20 0 20 40
scale feet

Typical Section — Sta. 30+00 to Sta. 32+31.60
NO SCALE

55'

10'

Prop. Line

4

1

6

1

50'

100' Drainage Easement

Typical Section — Sta. 32+31.6 to 36+20
NO SCALE

8'

Prop. Line

4

4

4'

20'

40' Drainage Easement

140

135

130

55' Flat Bottom w/ Variable Side Slopes @ 0.10%

Transition

8' Flat Bottom w/ 4:1 Side Slopes @ 0.10%

E. Channel

35.90

35.60

35.10

35.20

30

31

32

33

JAMES K. THOMPSON
LICENSED
6262
KANSAS
PROFESSIONAL ENGINEER

POE & ASSOCIATES CONSULTING ENGINEERS	CITY OF WICHITA Dept. of Engineering Sta. 30+00 to Sta. 33+00 Retention Pond
ENGINEER: JMT	ENGTECH: JW
DRAWN BY: JP	SCALE: NOTED
DATE: DEC. 1980	SHEET 6 OF 10

6/10

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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
ALIGNMENT
STRUCTURE NOTATING CHKD
NOTE BOOK
NO.
BY
DATE

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	STATE		FISCAL YEAR	SHEET No	TOTAL SHEETS

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

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
NO.
DRAWN CHECKED
CROSS SECTIONS CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
BY
DATE

LOT 6

LOT 3

LOT 4

LOT 8

40' Drainage Easement

8'

20'

PI Sta. 34+71.60

40' Drainage Easement

PI Sta. 36+86.60

34+91 60

37+06.60

35+06.60

35+61.60

20'

36+71.60

15'

30' Drainage Easement

N

20 0 20 40
scale feet

Prop. Line

4

1

15'

30' Drainage Easement

Typical Section- Sta. 36+86 to Sta. 38+96
NO SCALE

140
135
130

Profile Existing Ground

R. Ditch

8' Flat Bottom w/ 4:1 Side Slopes @ +0.10%

"V" Ditch w/ 4:1 Side Slopes @ 0.10%

39.20 35.30 39.40 39.30 35.60 35.70

33 34 35 36 37 38

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PROFESSIONAL ENGINEER

POE & ASSOCIATES
CONSULTING ENGINEERS

CITY OF WICHITA
Dept of Engineering

Sta. 33+00 to Sta. 38+00
Retention Pond

ENGINEER: JMT	ENG.TECH: JW
DRAWN BY: JP	SCALE: NOTED
DATE: DEC. 1980	SHEET 7 OF 10

7/10

FILMED FROM THE BEST

	STATE		FISCAL YEAR	SHEET NO	TOTAL SHEETS

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
PT. OF INT. CHECKED
NOTE BOOK
NO.
BY
DATE

LOT 8

15'

30' Drainage Easement

20' Drainage Easement

20' Utility Easement

PI Sta. 38+96.60

Sta. 40+46.60
END Ditch Excavation

BRIDGEPORT CIRCLE

M/H

8"SS

8" SS

39+16.60

iron

iron

iron

Chain Link Fence
NO WORK

20'

40+46.60

LOT 7

N

20 0 20 40
scale feet

20' Utility Esmt.

20'

30' Drainage Esmt.

Typical Section- Sta. 38+96 to 40+46

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M.=NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

140
135
130

℄ Existing Profile

℄ Ditch

8" Sanitary Sewer 10' Rt.

"W" Ditch w/ 4:1 Side Slopes @ 0.10%

35.60 35.70 35.80 35.90 +46.60-35.95

37 38 39 40 41 42

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KANSAS
PROFESSIONAL ENGINEER

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CONSULTING ENGINEERS

CITY OF WICHITA
Dept. of Engineering
Sta. 38+00 to Sta. 40+46
Retention Pond
ENGINEER: JMT ENG'TECH: JW
DRAWN BY: JP SCALE: NOTED
DATE: DEC. 1980 SHEET 8 OF 10

8/10

FILMED FROM THE BEST

	STATE		FISCAL YEAR	SHEET NO.	TOTAL SHEETS

PLAN — SURVEYED ____ BY ____ DATE ____ PLOTTED ____ CHECKED ____ ALIGNMENT CHECKED ____ R.M.s NOTED ____ RT. OF WAY CHECKED ____ NOTE BOOK ____ NO. ____

PROFILE — SURVEYED ____ BY ____ DATE ____ PLOTTED ____ CHECKED ____ GRADES ____ R.M.s NOTED ____ STRUCTURE NOTATIONS OMITTED ____ NOTE BOOK ____ NO. ____

Sta. 10+35 CF=0 C=0 Ds=0

Sta. 10+63

Sta. 11+00

Sta. 11+25 [CF=14.4]

CF=13 C=24 Ds=52 (C=14.4)

Sta. 12+00

(C= 32.6 ±) c.y. [C.F.= 33.33] C.y.

125

Sta. 13+00

Sta. 14+00 CF=9 C=31 Ds=47 (C=24.7) [CF=8.3]

75 (C= 59.44) C.y. [C.F.= 31.53] C.y.

Sta. 14+40 CF=8 C=31 Ds=44 (C=29.7) [CF=4.7]

100 (C= 108.15) C.y. [C.F.= 24.07] C.y.

Sta. 15+00 CF=4 C=38 Ds=41 (C=47.7) [CF=4.0]

100 (C= 143.33) C.y. [C.F.= 16.11] C.y.

Sta. 16+00

Sta. 16+60 [CF=8.2]

(C= 92.67) C.y. [C.F.= 13.56] C.y.

60

Sta. 17+00 CF=9 C=82 Ds=116 (C=34.3) [CF=6.7]

Sta. 18+00 CF=6 C=104 Ds=131 (C=114.2) [C.F.=8.0]

140 (C= 388.63) C.y. [C.F.= 42.0] C.y.

Sta. 19+00 CF=9 C=142 Ds=111 (C=145.5) [CF=4.5]

100 (C= 443.15) C.y. [C.F.= 20.37] C.y.

Sta. 20+00 CF=9 C=150 Ds=118 (C=93.8) [CF=6.5]

100 (C= 237.22) C.y. [C.F.= 24.44] C.y.

Sta. 21+00 CF=0 C=142 Ds=111 (C=145.5) [CF=4.5]

100 (C= 275.0) C.y. [C.F.= 27.22] C.y.

TOTAL THIS SHEET (C=1780.23) C.y. [C.F.=232.63] C.y.

JAMES W. THOMPSON LICENSED 6262 KANSAS PROFESSIONAL ENGINEER

CITY OF WICHITA Dept. of Engineering	
Sta. 10+00 to Sta 21+00 X- Sections	
POE & ASSOCIATES CONSULTING ENGINEERS	ENGINEER: JMT / ENG.TECH: JW
	DRAWN BY: JP / SCALE: NOTED
	DATE: DEC. 1980 / SHEET 9 OF 10

9/10

FILMED FROM THE BEST

	STATE		FISCAL YEAR	SHEET NO	TOTAL SHEETS

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, PLAN NOTED, AS MAP REVISED — ROUTE BOOK — NO. — BY — DATE

PROFILE — SURVEYED, PLOTTED, ALIGNMENT CHECKED, PLAN NOTED, STRUCTURE NOTATING DWG — NOTE BOOK — NO. — BY — DATE

Sta. 22+00 (C=157.2) [C.F.=0.0]
CF=0
C=142
Ds=109
(C=560.56) [C.F.=8.3]
Sta. 23+00
C=175
Ds=79
(C=144.0)
(C=557.78) c.y.
Sta. 23+20
C=0
Ds=0
(C=53.33) c.y.
Sta. 30+00
CF=6
C=111
Ds=142
(C=239.28) c.y.
Sta. 31+00
CF=2.8
C=210
Ds=134
(C=129.2)
Sta. 32+00
CF=0
C=48
Ds=30
(C=192.2)
(C=595.19) c.y.
Sta. 33+00
C=57
Ds=27
(C=58.9)
(C=465.00) c.y.
Sta. 34+00
C=54
Ds=25
(C=62.1)
(C=224.07) c.y.
Sta. 35+00 (C=104.9)
C=92
Ds=23
(C=309.26) c.y.
Sta. 36+00
C=92
Ds=21
(C=70.4)
(C=324.63) c.y.
Sta. 37+00
C=54
Ds=19
(C=10.8)
(C=150.37)
Sta. 38+00
C=32
Ds=17
(C=10.4)
(C=39.26)
Sta. 39+00
C=42
Ds=15
(C=1.7)
(C=22.41)
Sta. 40+46
C=0
Ds=0
(C=4.60)

Elev. (C=155) [C.F.=4.5]

TOTAL THIS SHEET
(C=3545.72)
[C.F.=8.33]

TOTAL EARTHWORK
(C=5325.95)
[C.F.=240.96]

Earthwork Summary

Excavation	6600 CY
Compacted Fill	380 CY
Design Storage (Water Surface 1372)	154,500 CF

JAMES R. THOMPSON — LICENSED 6262 KANSAS — PROFESSIONAL ENGINEER

POE & ASSOCIATES — CONSULTING ENGINEERS

CITY OF WICHITA
Dept. of Engineering
Sta. 22+00 to Sta. 40+00
X-Sections

ENGINEER: JMT	ENG TECH: JW
DRAWN BY: JP	SCALE: NOTED
DATE: DEC 1980	SHEET 10 OF 10

10/10

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