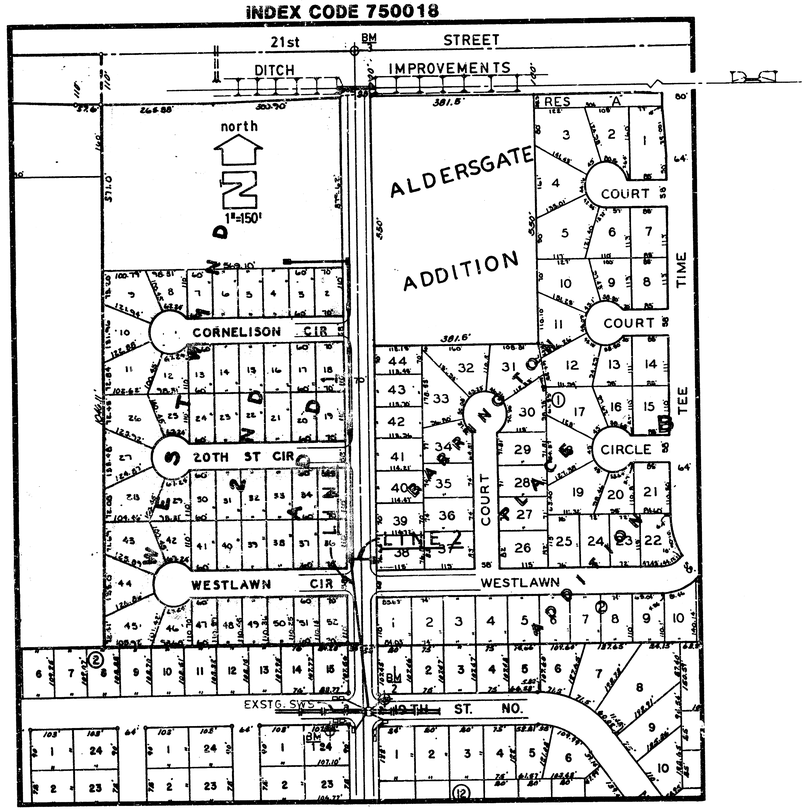
STORM WATER SEWER #359

PROJECT NUMBER

468-76-245-81816-000-000-001

INDEX CODE 750018



GENERAL NOTES

1. Underground utility service lines and overhead utility pole lines 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. 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.

2. 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.

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

4. The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state law.

5. All areas disturbed by ditch regrading operations shall be fertilized, seeded, and mulched per City of Wichita standard specifications.

6. The Contractor shall provide temporary driveway access to Lot 1, Aldersgate Addition, during the construction period.

BENCHMARKS

1. R.R. Spike in "lone" tree (NE-ly side) 193 ft. S., 47 ft. W., NE Cor. Lot 15, Blk. 2 Westlink Vill. 16TH Addn. Elev. = 157.75 City datum
2. "□" Cut SW. Cor. of catch basin, E. End of NE Return of 19TH ST. at Woodchuck. Elev. = 155.11 City datum
3. Top of Iron in Thimble NE Cor. NW1/4, Sec. 9, T-27-S, R-1-W. (Intersection 21st ST. at Woodchuck.) Elev. = 162.70 City datum

CITY of WICHITA, KANSAS

MICHAEL E. LINDEBAK
CITY ENGINEER

INDEX of SHEETS

1 ..... TITLE SHEET
2-4 ..... PLAN/PROFILE
STD. 1-A INLET DETAILS
5 ..... L=4'4", W=4'4"
6 ..... L=11'4", W=5'4"
DITCH IMPROVEMENTS
7-8 ..... PLAN/PROFILE
9 ..... R.C.B.C. DETAILS
10 11 .... DITCH X SECTIONS

Booked
2/2/90
MG

JULY 3, 1989



TITLE SHEET

BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316/268-7271 • 315 ELLIS • WICHITA, KANSAS 67211

Design:	Drawn:	Approved:	Date:	Scale:	Sheet:
TCR	Sonny	N.B.W.	May 89	noted	1 of 11

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WESTLINK VILLAGE SIXTEENTH ADDITION

WESTWIND SECOND ADDITION

BENCHMARKS

1. R.R. Spike in "lone" tree (NE-ly side) 193 ft. S., 47 ft. W., NE Cor. Lot 15, Blk. 2 Westlink Vill. 16TH Addn. Elev. = 157.75 City datum
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1"=20' hor.
1"= 5' ver.

Sta. 0100 (= Cntr. Mh. Ring) Connect to Exist'g. Reinforced Conc. Manhole. Elev. = 156.01 Top Rim; Begin Line 1.

19TH STREET NO.

WESTLAWN CIR.

Sta. 3+37.3 Construct Std. Type 1A Dr. Inlet (N=5'9", L=11'9") Elev. = 155.02 Top (= Rel. Sta. 3+28.92, 22.17' Lt.)

Sta. 0+93.5 Ln. 2 Construct Std. Type 1A Inlet (N=8'9", L=6'9") Elev. = 155.02 Top (= Rel. Sta. 3+26.60, 21.67' Rt.)

Sta. 3+39.6 Ln. 1 = Sta. 0+00 Ln. 2

LINE 1

LINE 2

PROPOSED 8" A.C. PAVEMENT

WOODCHUCK

Prop. 12" Water

Prop. 4'0" Walk

Prop. 8" Water

Prop. 6" Water

Match Line @ 4+50

See Sht. 3

30" RCP

24" RCP

15" RCP

9" (Orisco) R.P.L. SDS 15" San. Sewer

2" (Orisco) R.P.L. SDS

Inl. Top 156.98

Inl. Top 155.00

Inl. Top 155.02

Prop. 8" Manhole

Existing 8" San. Sewer

Prop. 8" Manhole

Existing 8" San. Sewer

Existing Gas Line

Existing Gas Line

Existing Gas Line

BENCHMARKS

1. R.R Spike in "lone" tree (NE-ly side) 193 ft. S., 47 ft. W., NE Cor. Lot 15, Blk. 2 Westlink Vill. 16TH Addn. Elev. = 157.75 City datum
2. "a" Cut S.W. Cor. of catch basin, E.End of NE Return of 19TH ST. at Woodchuck. Elev. = 155.11 City datum
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WESTWIND SECOND ADDITION

20TH ST. CIR.

CORNELISON CIR.

Sta. 6+15.3 Construct Std. Type I-A Ctd. Inlet (W.=5'9", L.=11'9") Elev. = 156.27 Top (E. Pvt. Sta. 6+06.92, 22.17' Lt.)

Sta. 8+00.8 Construct Std. Type I-A Inlet. (W.=9'9", L.=6'9") Elev. = 156.00 Top (E. Pvt. Sta. 7+92.92, 21.67' Lt.)

Sta. 8+90.6 Construct Std. Type I-A Inlet. (W.=9'9", L.=6'9") Elev. = 157.32 Top (E. Pvt. Sta. 8+82.92, 21.67' Lt.)

Sta. 9+96.6 Construct Std. Type I-A Inlet. (W.=9'9", L.=6'9") Elev. = 157.78 Top (E. Pvt. Sta. 9+88.25, 21.67' Lt.)

1" = 20' hor.
1" = 5' ver.

35 | 19 | 18 | 2 | 1

25' R.O.W. | 25' F.F. | Proposed 8" W.L. | 8" S.S. | 110' | 12" | 24" RCP | 21" RCP | 18" RCP | 15" RCP | 36' F.F. | 20' R.O.W. | 150' | 11.66' | 21.67'

Proposed 40' Walk | Proposed 12" Water | LINE 1 | WOODCHUCK | PROPOSED 5" A.C. PAVEMENT | 3' Sidewalk | 2' Curb | 6' | 70' | 65.5'

39 | 40 | 41 | 42 | 43 | 44 | 1

(BLOCK 1) BARRINGTON PLACE ADDITION (BLOCK A) ALDERSGATE ADDN.

Existing Ground @ P.I.'s | Prop. G.S. @ C.L. | Prop. F.G. | Prop. Corner Circle | Prop. Curb Inlet | Prop. Manhole | Prop. Storm Sewer

160 | 155 | 150 | 145

165.3 LF 28" R.C.P. @ +0.20%

105.5 LF 21" R.C.P. @ +0.38%

90.0 LF 18" RCPP +0.50%

106.0 LF 15" R.C.P. @ +0.40%

+50 | 5 | 6 | +15.3 | 7 | 8+00.8 | +90.8 | 9 | +96.6

PROFILE

Title: STORM WATER SEWER #359
468-76-245-8181-6-000-000-001

BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316/262-7271 · 315 ELLIS · WICHITA, KANSAS 67211

Design:	Drawn:	Approved:	Date:	Scale:	Sheet
TCR	Sonny	W.B.W.	MAY.89	NOTED	3 of 11

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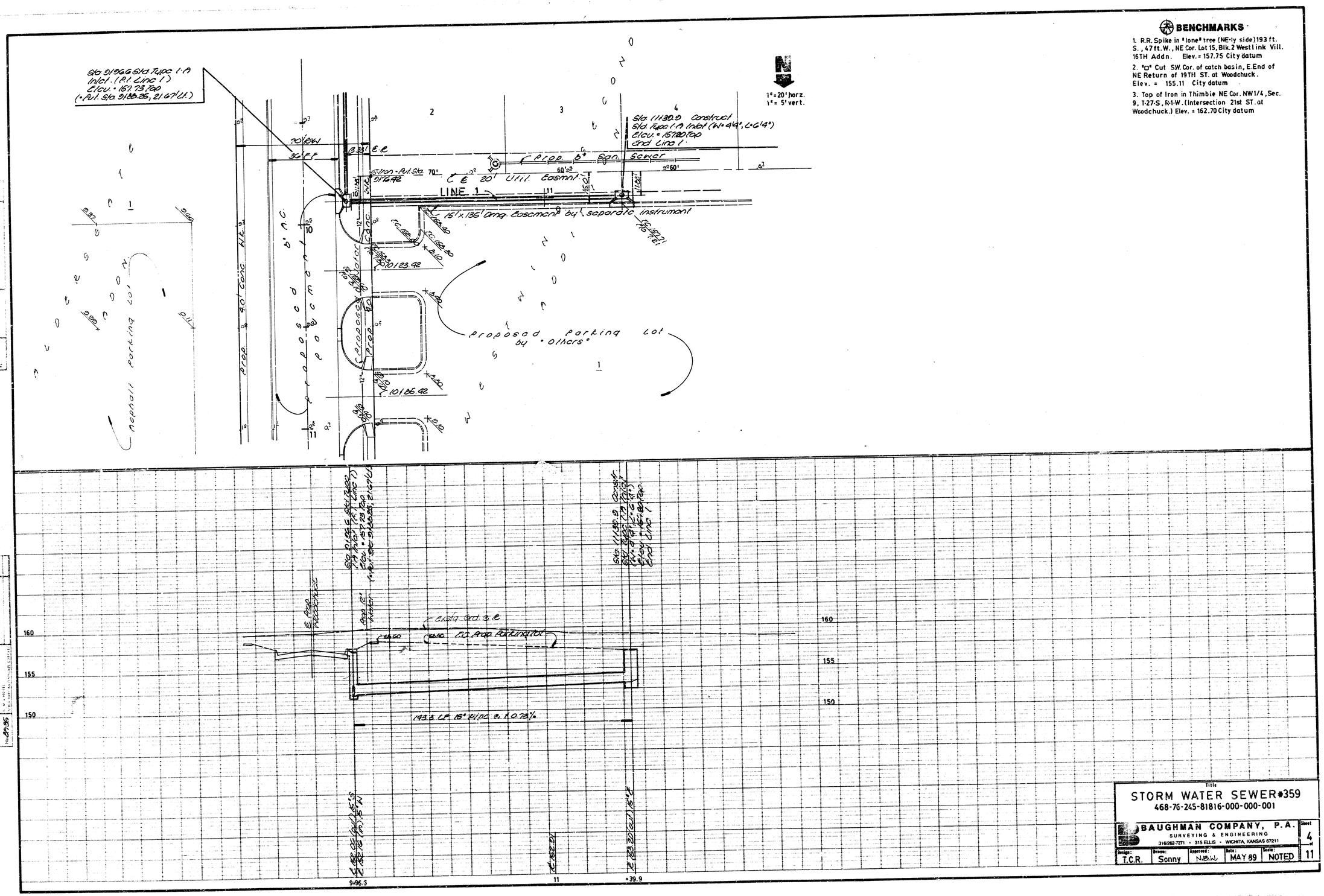

BENCHMARKS

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Title
STORM WATER SEWER #359
468-76-245-81816-000-000-001

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Design:	Drawn:	Approved:	Date:	Scale:	Sheet
T.C.R.	Sonny	N.B.W.	MAY 89	NOTED	4 of 11

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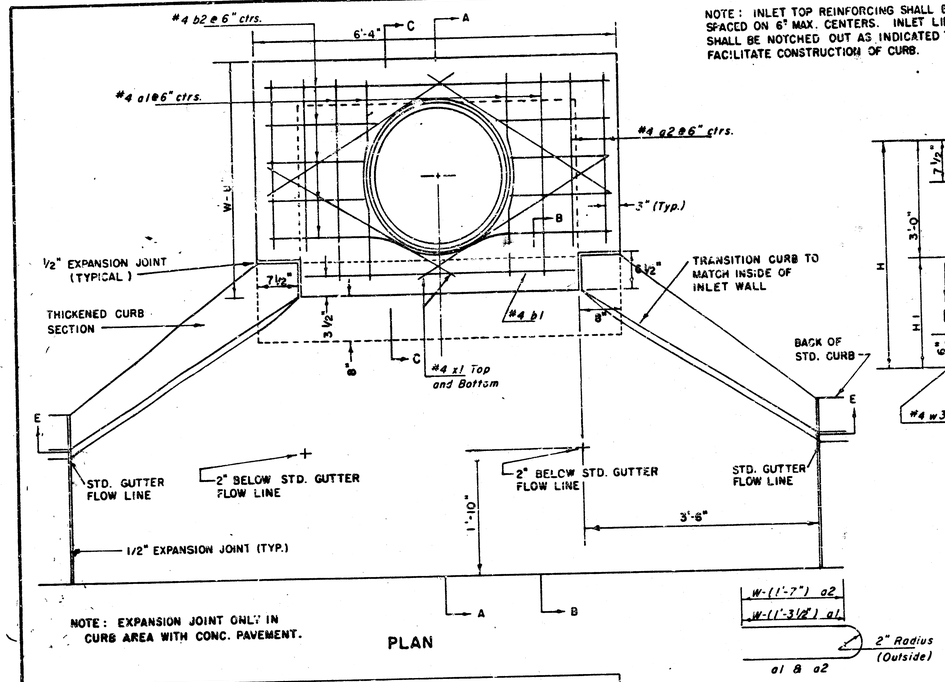
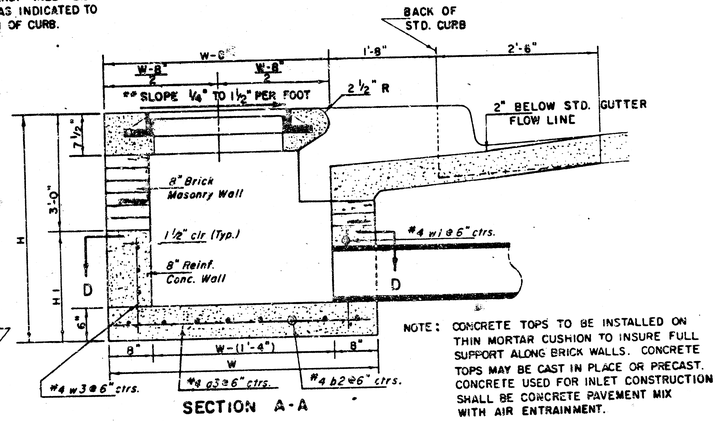


NOTE: EXPANSION JOINT ONLY IN CURB AREA WITH CONC. PAVEMENT.

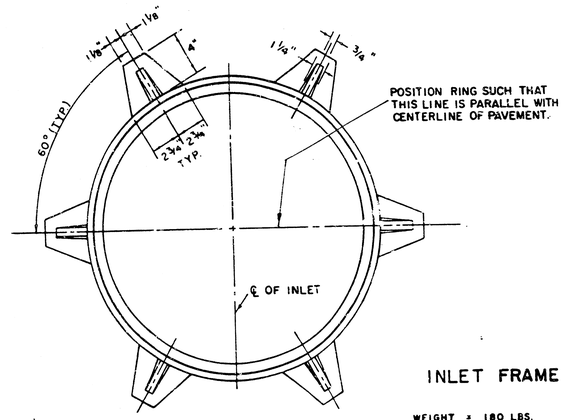
PLAN

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



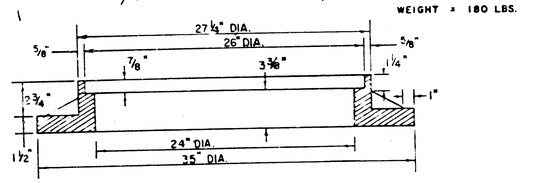
SECTION A-A

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 WITH AIR ENTRAINMENT.



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.

BENDING DIAGRAM

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	6	6'-7"	6	8'-7"	6	10'-7"	6	12'-7"	6	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	13	4'-1"	13	5'-1"	13	6'-1"	13	7'-1"	13	8'-1"
b1	#4	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"	1	4'-9"
b2	#4	23	6'-1"	29	6'-1"	35	6'-1"	41	6'-1"	47	5'-1"
x1	#4	8	3'-10"	8	4'-2"	8	4'-6"	8	4'-10"	8	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	6'-1"	①	6'-1"	①	6'-1"	①	6'-1"	①	6'-1"
w2	#4	①	4'-1"	①	5'-1"	①	6'-1"	①	7'-1"	①	8'-1"
w3	#4	32	②	36	②	40	②	44	②	48	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	PIPE SIZE	CU. YD. CONC.
4' 4"	5'8"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 ±

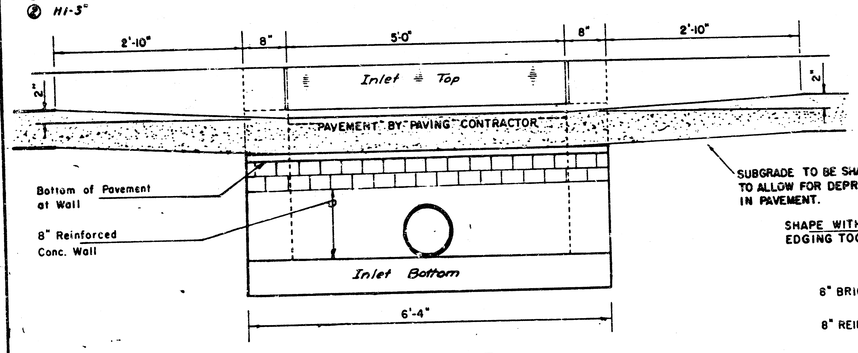
NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN H = 6'4" AND H = 7'0" OR LESS.

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.

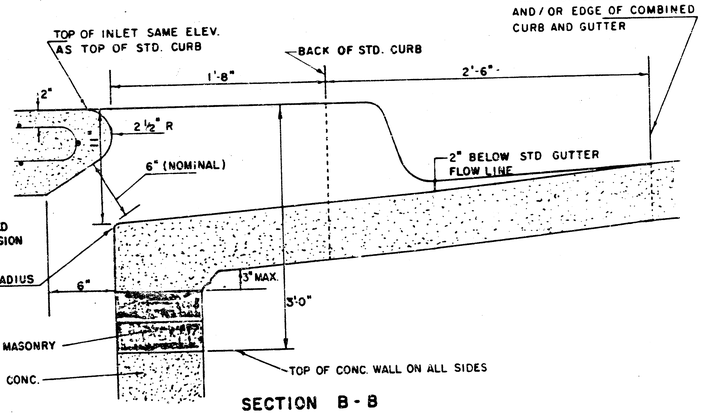
INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.

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

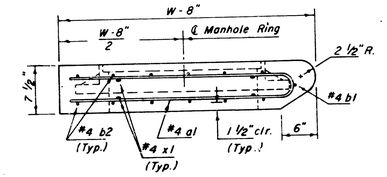
** NOTE: Slope of Inlet Tops to match Sidewalk or Parking Slopes within Limits indicated.



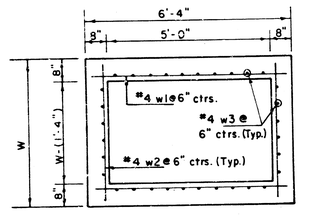
SECTION E-E



SECTION B-B



SECTION C-C



SECTION D-D

~~REVISED 11-30-1988~~

~~REVISED 12-21-1984~~ Revised 2-16-1989

DETAIL STANDARD TYPE IA CURB INLET

CITY OF WICHITA, KANSAS

INLET OPENING = 6" x 5'0"

JUNE 1984

5/11

468-76-245-81816-000-000-001

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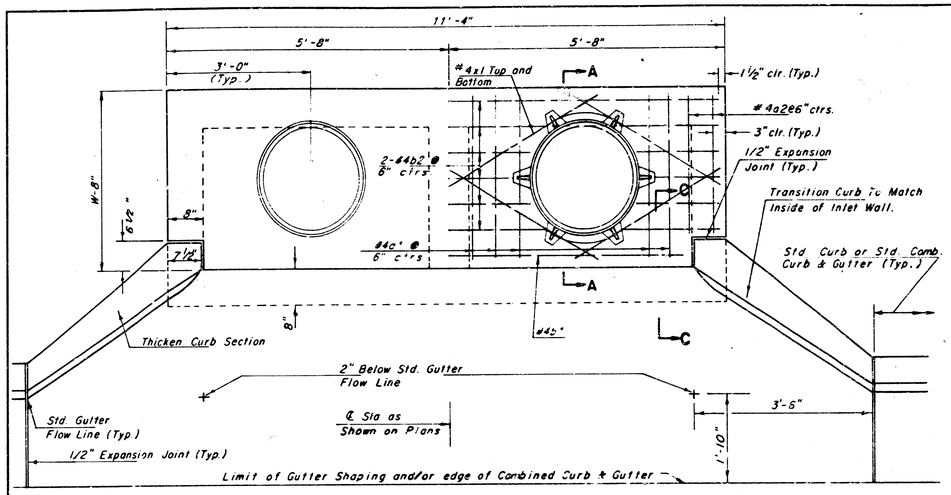
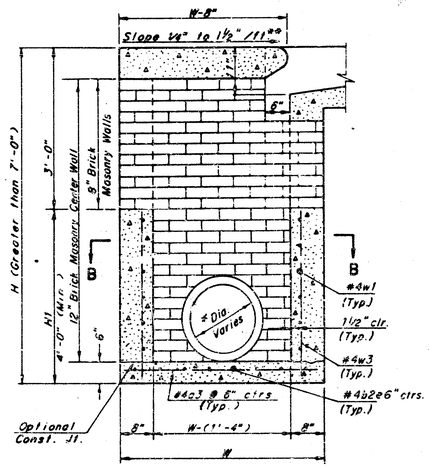
PROJECT NO.	SHEET NO.	TOTAL SHEETS



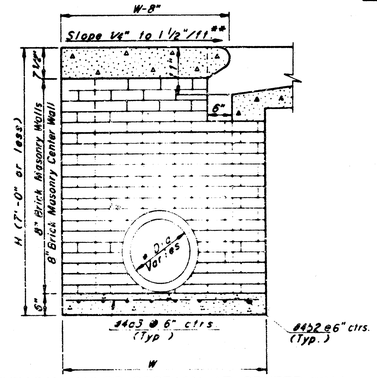
SLAB REINFORCING NOT SHOWN — SHOWING SLAB REINFORCING

PLAN

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

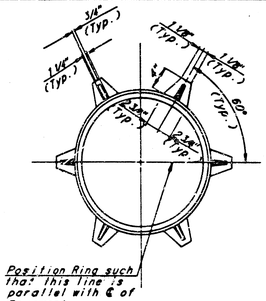


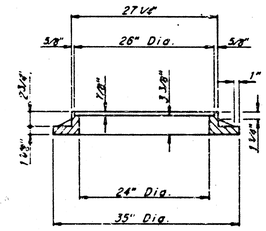
TYPICAL INLET SECTION AT CENTER WALL
(REINFORCED CONCRETE WALLS)



TYPICAL INLET SECTION AT CENTER WALL
(MASONRY WALLS)

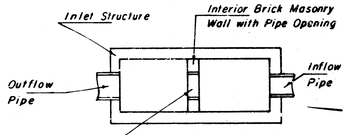
* A center wall opening shall be provided by means of a section of reinforced concrete pipe. See Case I and Case II Below.



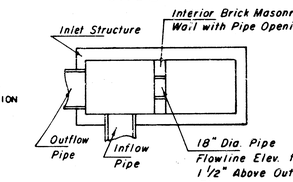


CAST IRON INLET RING
Wt.=180 lbs.

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

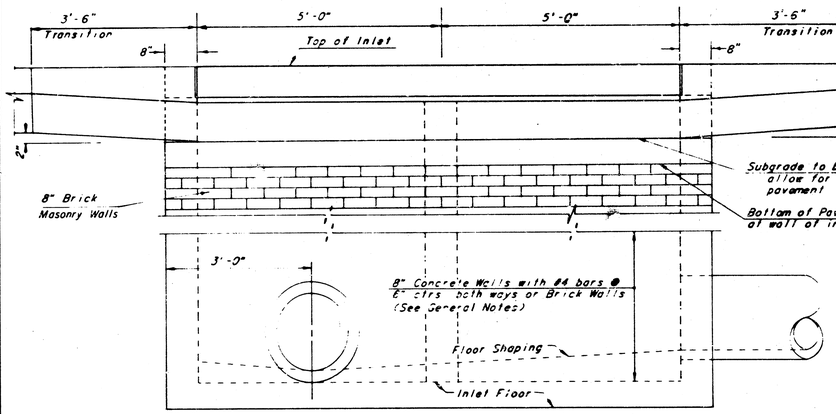


CASE I

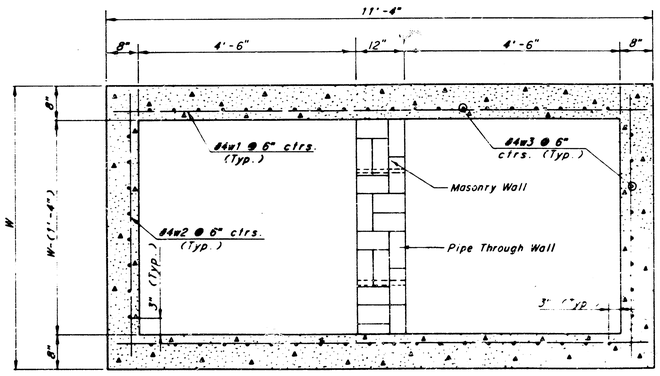


CASE II

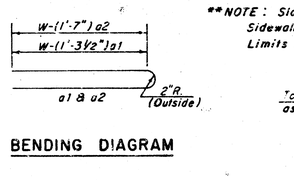
NOTE Center Wall Pipe Size shall be as Specified in Inlet Construction Note on the Plan/Profile Sheets for those Cases not shown here.



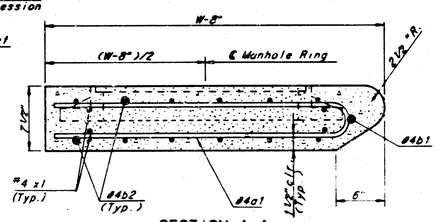
ELEVATION



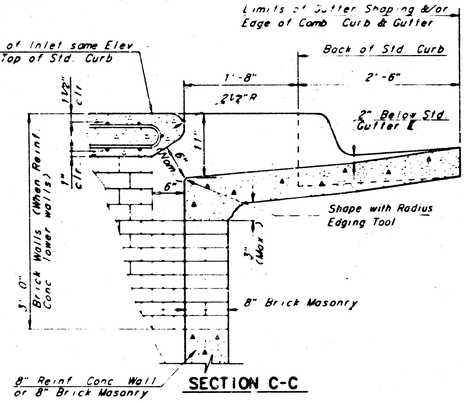
SECTION B-B



BENDING DIAGRAM



SECTION A-A



SECTION C-C

**NOTE : Slope of Inlet Tops to match Sidewalk or Parking Slopes within Limits indicated.

SLAB AND FLOOR REINFORCING

MARK	SIZE	W=4'-4" NO.	W=4'-4" LENGTH	W=5'-4" NO.	W=5'-4" LENGTH	W=6'-4" NO.	W=6'-4" LENGTH	W=7'-4" NO.	W=7'-4" LENGTH	W=8'-4" NO.	W=8'-4" LENGTH
*a1	#4	13	6'-7"	13	8'-7"	13	10'-7"	13	12'-7"	13	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	23	4'-1"	23	5'-1"	23	6'-1"	23	7'-1"	23	8'-1"
b1	#4	1	9'-9"	1	9'-9"	1	9'-9	1	9'-9"	1	9'-9"
*b2	#4	23	11'-1"	29	11'-1"	35	11'-1"	41	11'-1"	47	11'-1"
x1	#4	16	3'-10"	16	4'-2"	16	4'-6"	16	4'-10"	16	5'-2"

WALL REINFORCING

MARK	SIZE	W=4'-4" NO.	W=4'-4" LENGTH	W=5'-4" NO.	W=5'-4" LENGTH	W=6'-4" NO.	W=6'-4" LENGTH	W=7'-4" NO.	W=7'-4" LENGTH	W=8'-4" NO.	W=8'-4" LENGTH
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	5'-1"	①	7'-1"	①	8'-1"
w3	#4	52	②	56	②	60	②	64	②	68	②

* Field bend or cut Reinforcing as required for clearance
① 4(H1-12") (H1-12") Rounded down to nearest 0.5'
② H1 3"

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=8'-4" OR LESS AND H=7'-0" OR LESS. WHEN W IS GREATER THAN 8'-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 A 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 5" 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.

STANDARD CURB INLET PRECAST TOPS

W	PRE-CAST TOP SIZE	SIDE OR INTERIOR WALL PIPE SIZE	CU. YD. CONC
4'-4"	3'-8" x 11'-4" x 7 1/2"	21" & SMALLER	0 83 ±
5'-4"	4'-8" x 11'-4" x 7 1/2"	24" & 30"	1 09 ±
6'-4"	5'-8" x 11'-4" x 7 1/2"	36" & 42"	1 35 ±
7'-4"	6'-8" x 11'-4" x 7 1/2"	48" & 54"	1 61 ±
8'-4"	7'-8" x 11'-4" x 7 1/2"	60" & 66"	1 87 ±

~~REVISED 12-5-88~~ Revised 2 16 89 ~~REVISED 12 21 84~~

STANDARD TYPE 1A CURB INLET

INLET OPENING = 6" x 10'-0"

468-76-245-81816-000-000-001

WICHITA, KANSAS

SHEET NO.	TOTAL SHEETS
6	11

Designed by	BER, KJS, MMB	Checked by	MMB
Drawn by	JGP	Date	Nov., 1984

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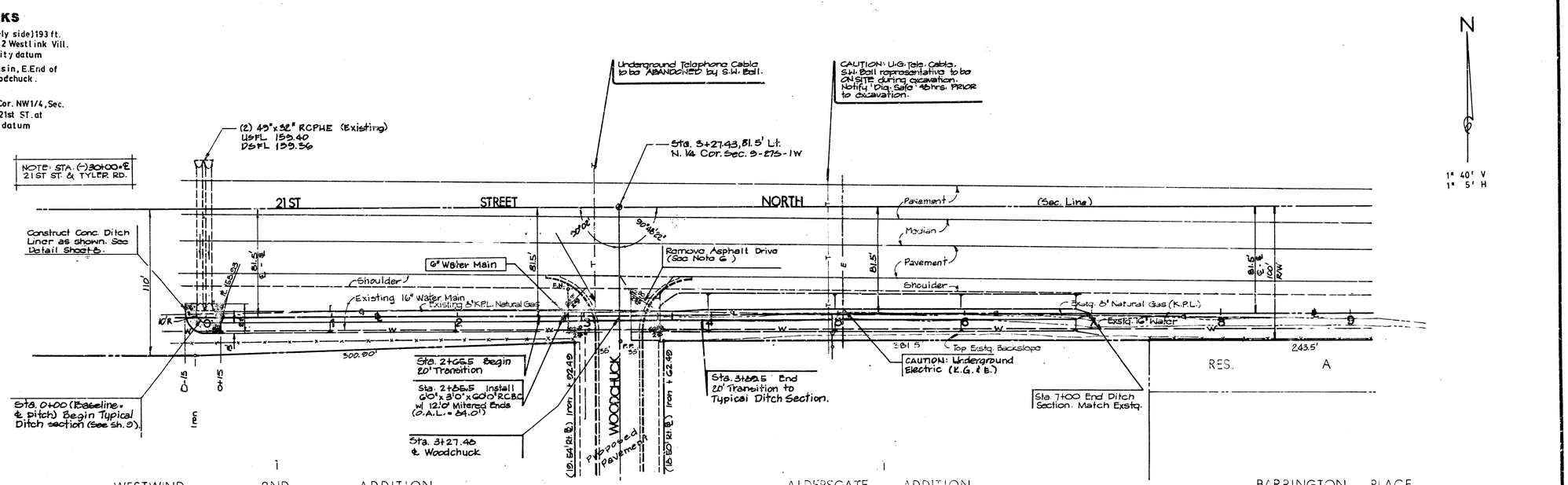
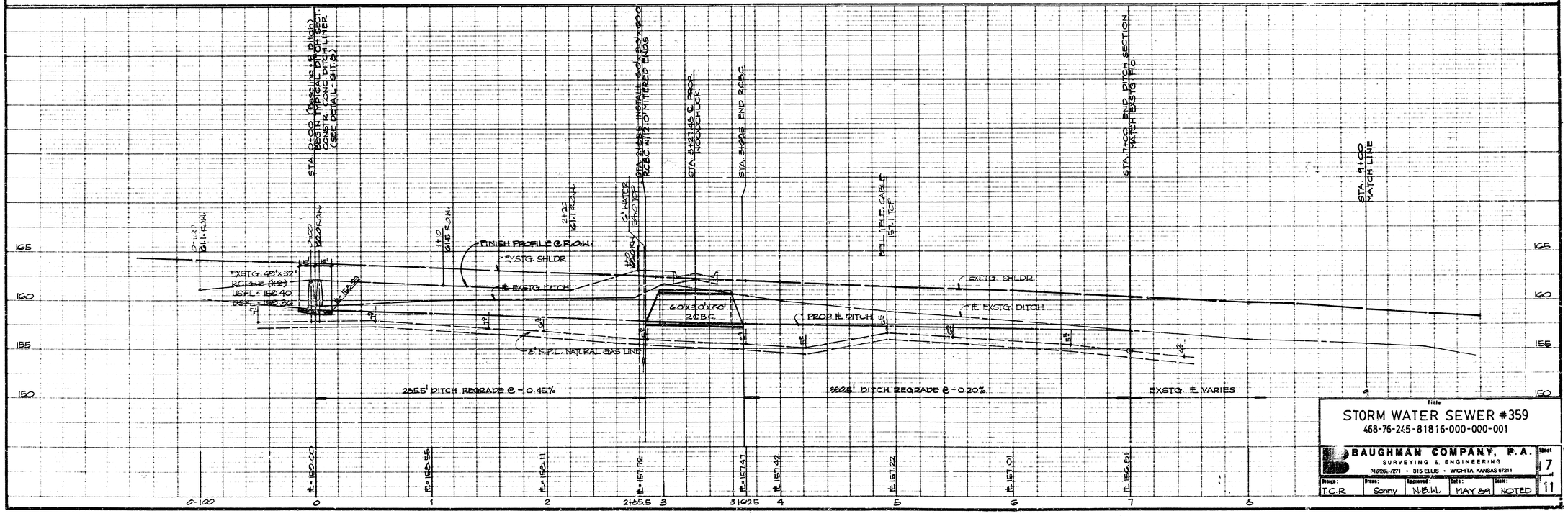
BENCHMARKS

1. R.R.Spike in "lone" tree (NE-ly side) 193 ft. S., 47 ft. W., NE Cor. Lot 15, Blk. 2 Westlink Vill. 16TH Addn. Elev. = 157.75 City datum
2. "O" Cut SW. Cor. of catch basin, E.End of NE Return of 19TH ST. at Woodchuck. Elev. = 155.11 City datum
3. Top of Iron in Thimble NE Cor. NW1/4, Sec. 9, T-27-S, R-1-W. (Intersection 21st ST. at Woodchuck.) Elev. = 162.70 City datum





Title
STORM WATER SEWER #359
468-76-245-81816-000-000-001

BAUGHMAN COMPANY, P. A.
SURVEYING & ENGINEERING
316/265-7271 • 315 ELLIS • WICHITA, KANSAS 67211

Design:	Drawn:	Approved:	Date:	Scale:	Sheet
T.C.R	Sonny	N.B.W.	MAY 89	NOTED	7 of 11

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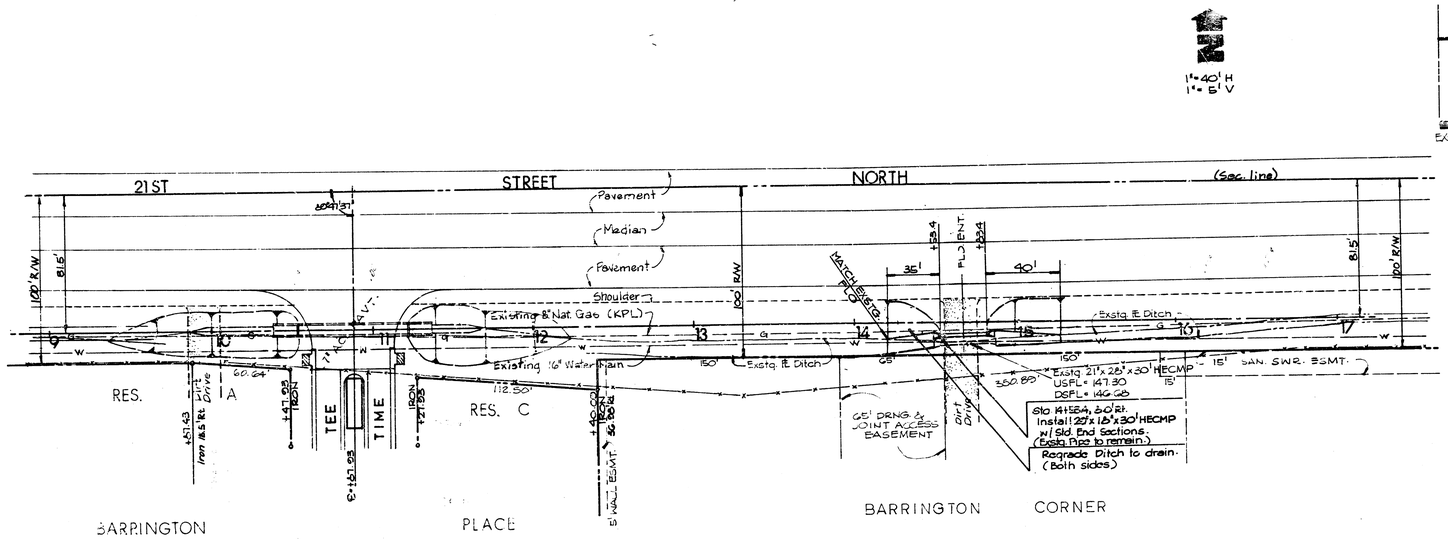
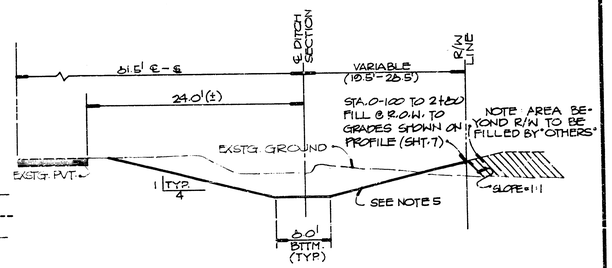
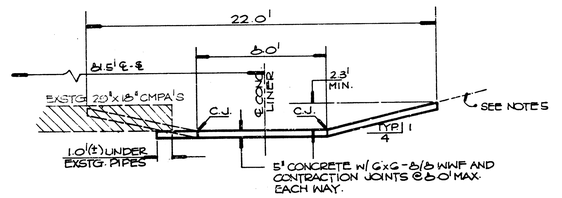




TYPICAL DITCH SECTION

• NO SCALE •



SECTION CONCRETE DITCH LINER

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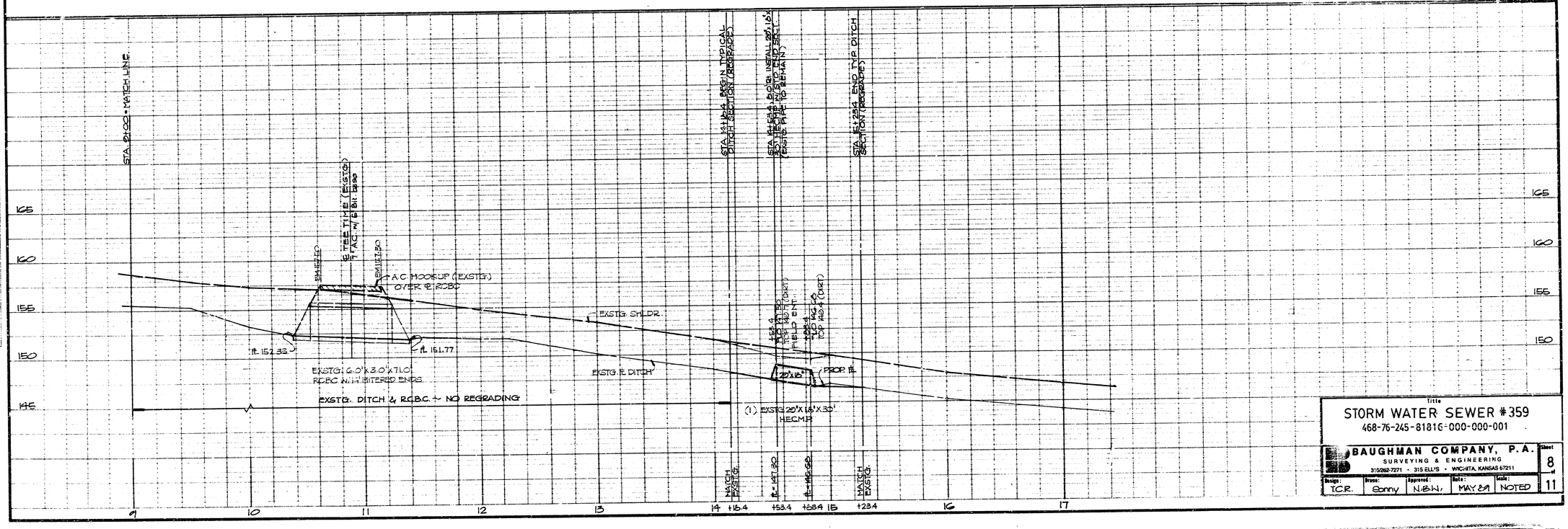

Title

STORM WATER SEWER #359

468-76-245-81816-000-000-001

BAUGHMAN COMPANY, P.A.
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Design:	Drawn:	Approved:	Date:	Scale:	Sheet
T.C.R.	Sonny	N.B.W.	MAY 84	NOTED	8 11

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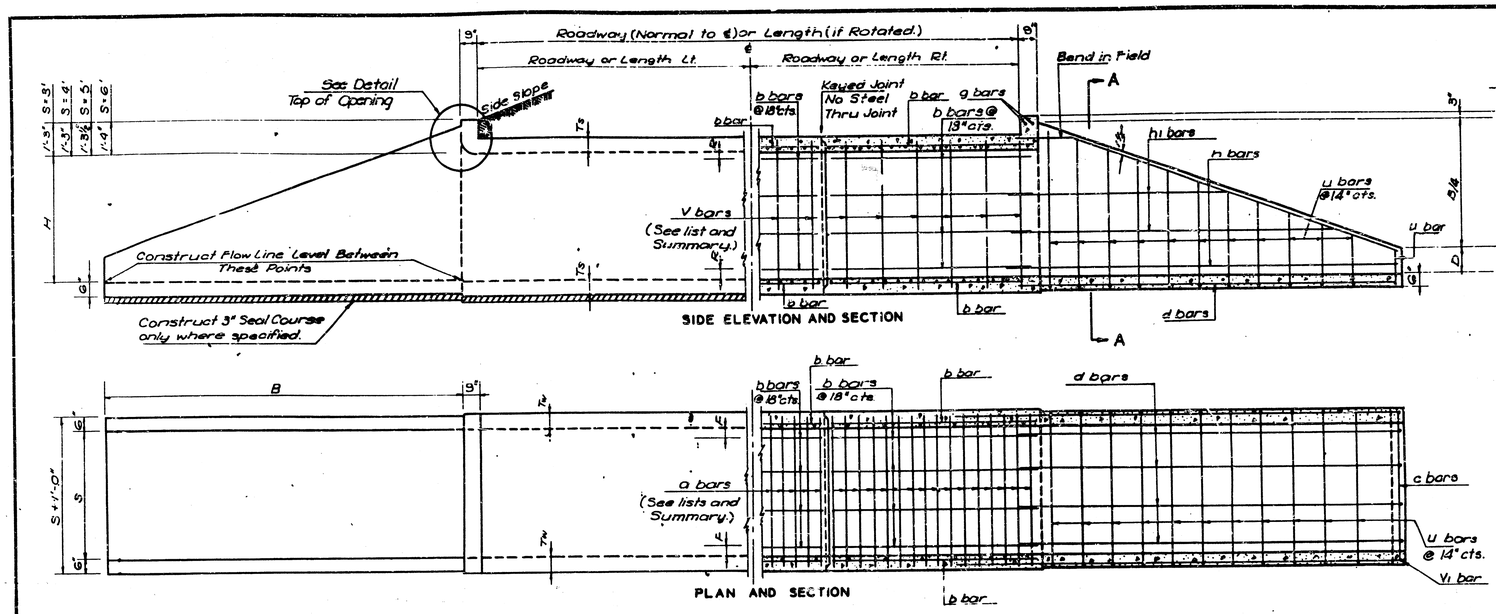
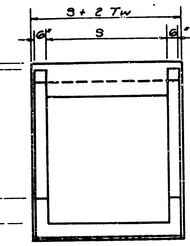
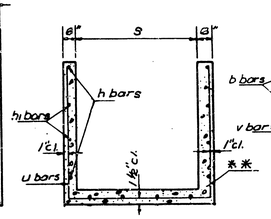
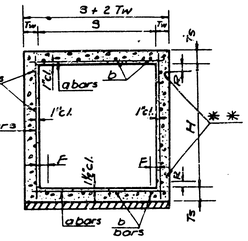
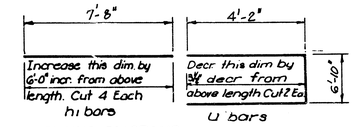
FHWA REG. NO.	STATE	PROJECT NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
7	KANSAS				





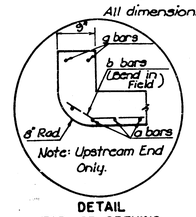






BENDING DIAGRAMS

All dimensions are out to out.



DETAIL TOP OF OPENING

RCB NOTES

LOADING: HS20-44 AASHTO SPECIFICATIONS, 1983 EDITION AND LATER REVISIONS.

UNIT STRESSES: f'c = 4,000 psi, fy = 60,000 psi, fs = 24,000 psi.

REINFORCING STEEL: REINFORCING STEEL SHALL COMPLY WITH A.S.T.M. DESIGNATION A615 GRADE 60. ALL DIMENSIONS ARE TO CENTER OF BAR UNLESS OTHERWISE NOTED.

CONCRETE: CLASS AAA CONCRETE (AE) SHALL COMPLY WITH KDOT STD. SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION; LATEST EDITION, SECTION 402. ALL EXPOSED CONCRETE EDGES SHALL BE BEVELED WITH A 3/4" TRIANGULAR MOULDING.

CONSTRUCTION JOINT: ONE KEYED CONSTRUCTION JOINT SHALL BE CONSTRUCTED FOR CAST-IN-PLACE CONSTRUCTION.

DETAILS SHOWN ARE FOR CAST-IN-PLACE CONSTRUCTION.

PRECAST OPTION: PRECAST BOX SEGMENTS SHALL MEET THE REQUIREMENTS OF A.S.T.M. DESIGNATION C850-82.

THE HEADWALL MAY BE CAST-IN-PLACE WITH SUITABLE CONNECTIONS TO THE PRECAST BOX SEGMENTS; OR PRECAST MITERED END SECTIONS MAY BE USED WITH SUITABLE SHEAR CONNECTIONS TO THE PRECAST BOX SEGMENTS.

THE CONTRACTOR SHALL SUBMIT, TO THE CONSULTANT AND/OR THE FIELD ENGINEER, DETAIL PLANS AND MANUFACTURER'S SHOP DRAWINGS FOR PRECAST CONSTRUCTION. SUCH PLANS SHALL BE SUBMITTED PRIOR TO MANUFACTURE OF ANY PRECAST ITEMS TO BE USED IN THE PROJECT.

EXCAVATION AND BACKFILL: EXCAVATION FOR THE RCB SHALL BE INCLUDED IN THE PLAN QUANTITY BID, AS SHOWN ON THE CROSS SECTIONS. BACKFILL FOR THE RCB SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCIDENTAL TO THE BID ITEMS FOR RCB CONSTRUCTION.

THE 6' X 3' REINF. CONCRETE CONCRETE BOX CULVERT SHALL BE BID AS A LUMP SUM WHICH SHALL INCLUDE ALL LABOR, MATERIAL, AND ANY OTHER INCIDENTAL ITEMS NECESSARY FOR COMPLETION OF THE WORK. QUANTITIES INDICATED ARE FOR INFORMATION ONLY.

CULVERT SUMMARY

Station	Size	Crown Grade Elev.	Flow Line Lt.	Flow Line Rt.	Horizontal Roadway		Degree of Rotation	Length along Box Lt.	Length along Box Rt.	No. of Sect.	Section Length	Ts	Tw	"a" Bars No.	"a" Bars Size	"a" Bars Spac.	#4 "b" Bars No.	#4 "b" Bars Length	"V" Bars No.	"V" Bars Size	"V" Bars Spac.	"V" Bars Length	Design Fill Ft	Class A Conc. Cu. Yds.	Reinf Steel Lbs
					Lt.	Rt.																			
	6'x3'	162.75	157.72	157.47	29'-3"	29'-3"	0	29'-3"	29'-3"	2	30'-0"	7⅛"	6"	212	#5	5½"	16	28'-9"	80	#4	18"	4'-0"	2'	—	2750#

Mark	No.	Size	Length	Mark	No.	Size	Length
a	262	#5	6'-9"	u	24	#4	See diagr.
b	16	#4	29'-9"				
d	8	#4	13'-0"				
g	4	#4	6'-9"				
h	8	#4	13'-2"				
h1	8	#4	See diagr.				
V	80	#4	4'-0"				
v1	4	#4	2'-9"				
Class AAA Conc. (incl. Hdwls.) 31.8 C.Y.							

6'x3' Hdwl. Conc. (Class) 5.67 C.Y.									
Letter	B	D	F	H	R	S	Ts	Tw	
Dimension	12'-0"	1'-1"	9"	3'-0"	9"	6'-0"	*	6"	
Bar	a	b		d	g	h	h1	u	V	V1
No.	*	*		8	4	8	4	20	*	4
Length	6'-9"	*		13'-0"	6'-9"	13'-2"			*	2'-9"

* See Culvert Summary Table
≠ For information only

6'x 3' R.C.B.C. DETAILS AT WOODCHUCK (MODIFIED K.D.O.T. STANDARD 310A)

BAUGHMAN COMPANY P. A.
SURVEYING & ENGINEERING
316/262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

REV.

PROJECT NUMBER 468-76-245-81816-000-000-001

SHEET 9 OF 11

DESIGN	DRAWN	APPROVED	DATE	SCALE

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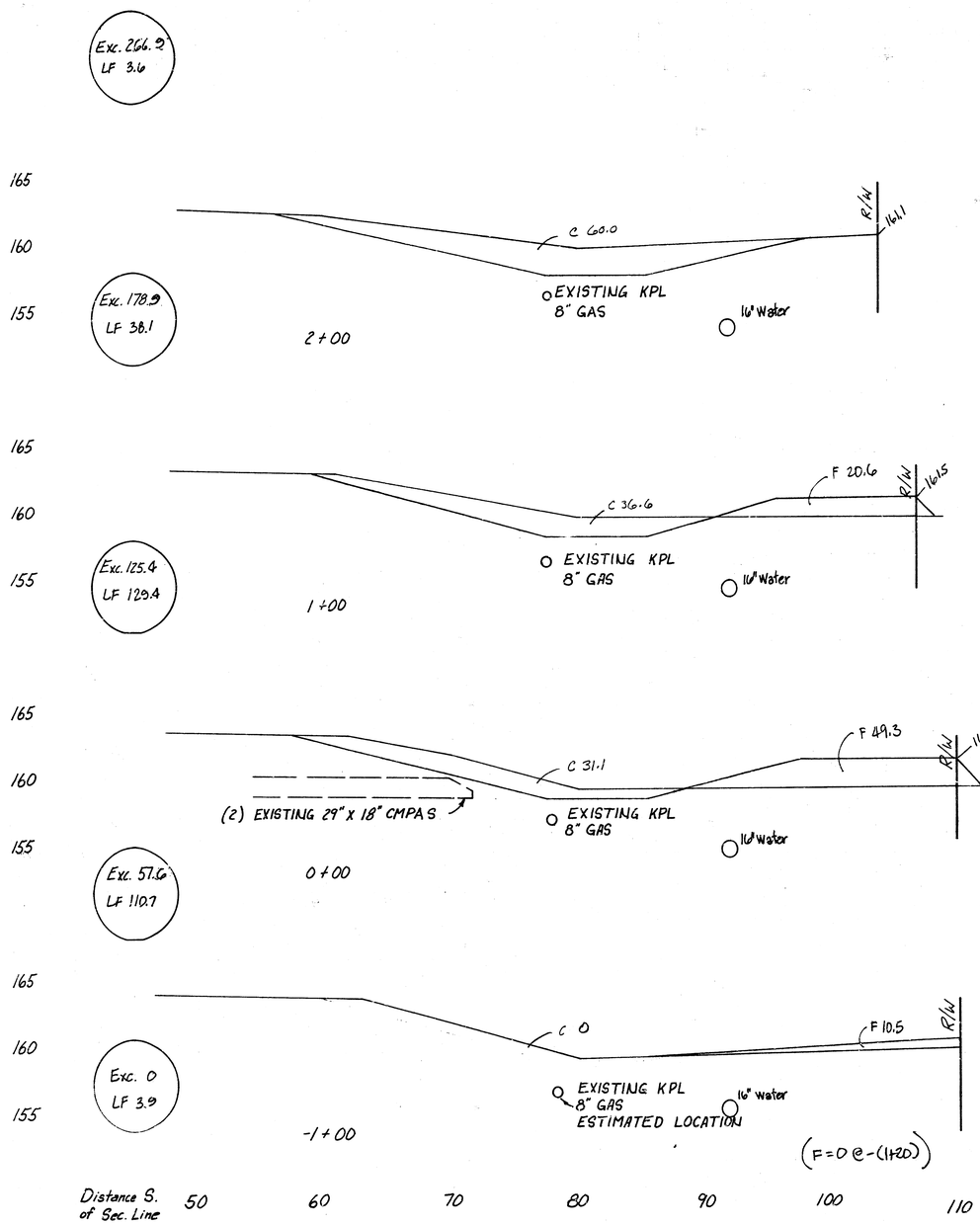
DITCH SECTIONS
SWS # 359
468-76-245-81816-000-000-001
10 of 11



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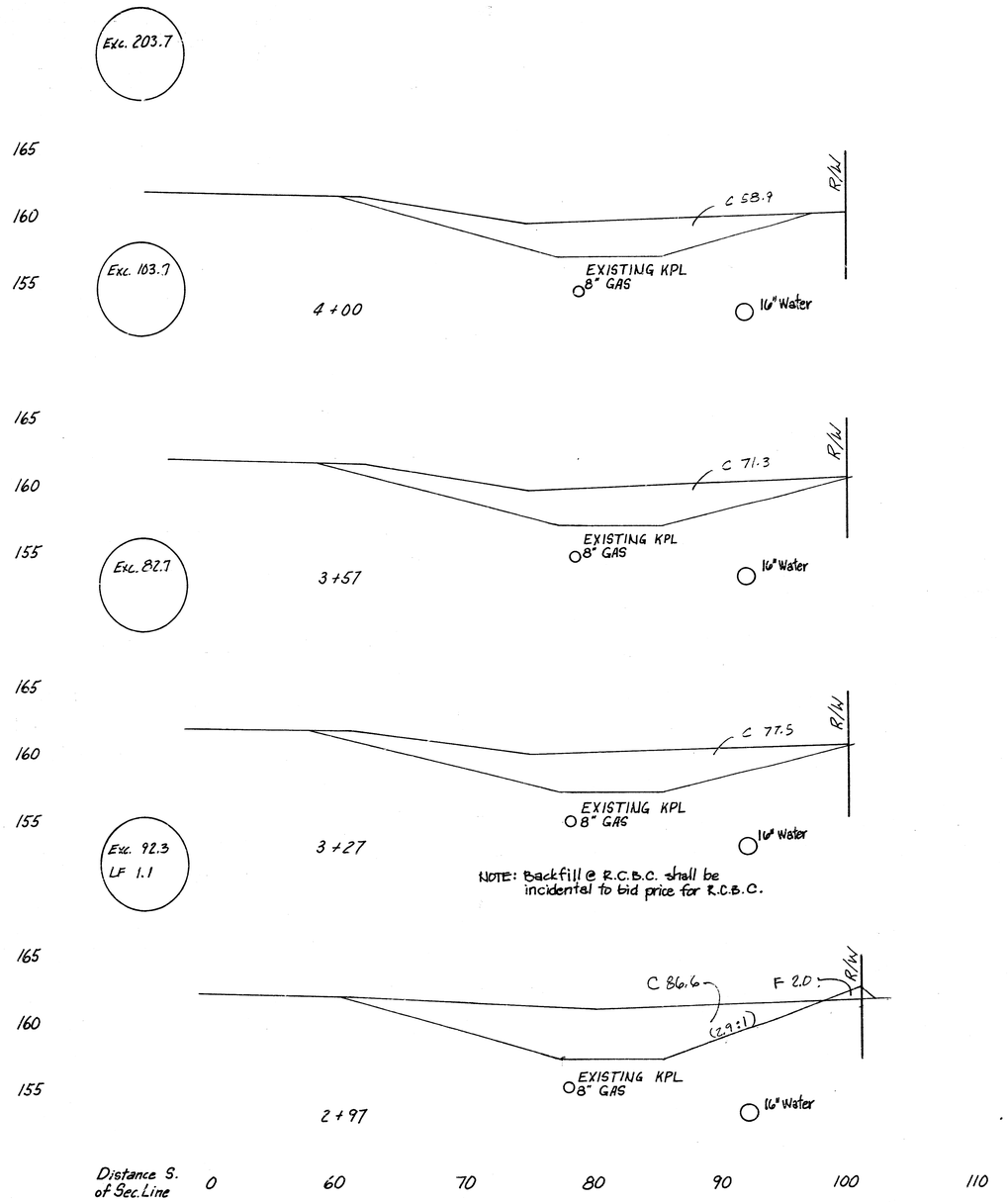

EXCAVATION TOTAL 1124.4 CY
LOOSE FILL TOTAL 286.8 CY

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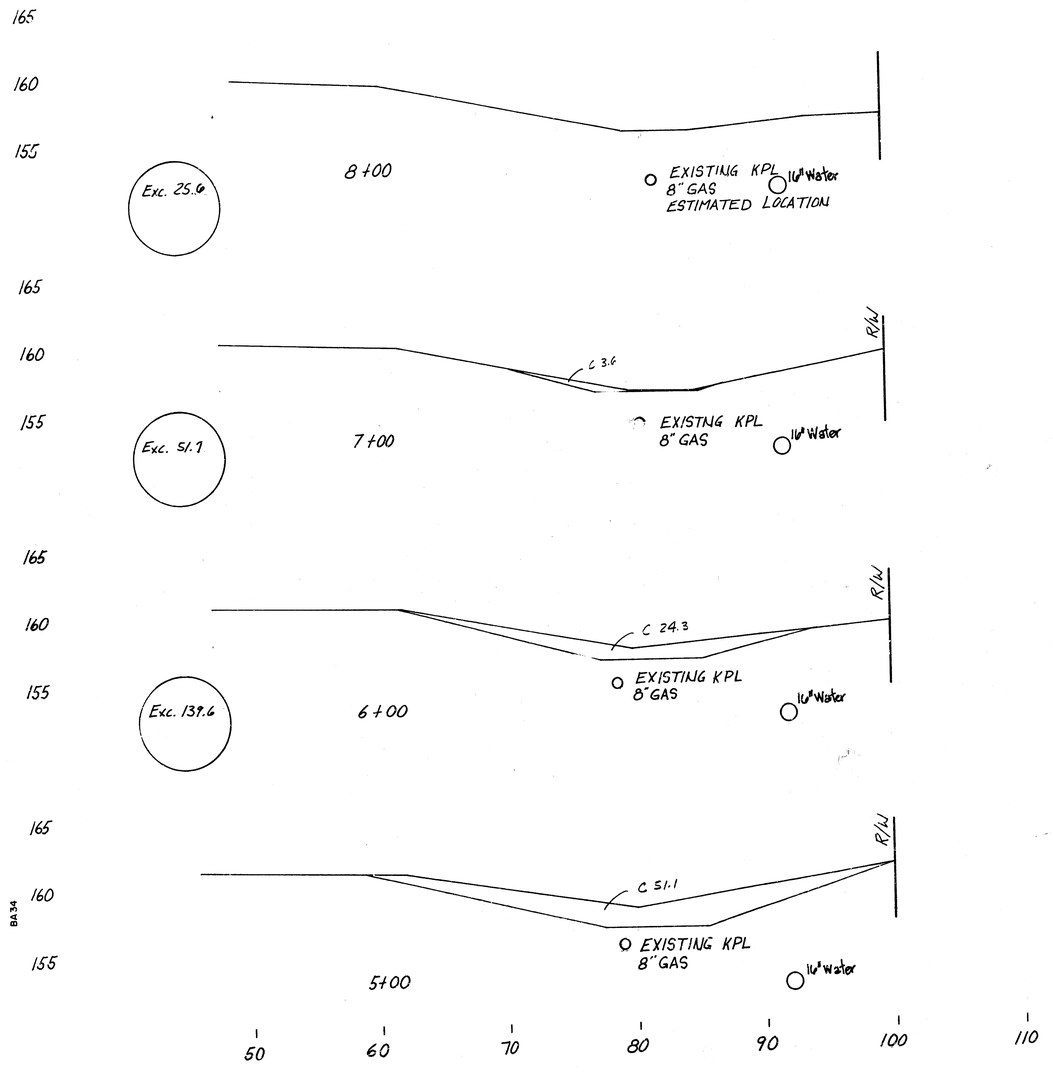
DITCH SECTIONS
SWS # 359
468-76-245-81816-000-000-001
11 of 11



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