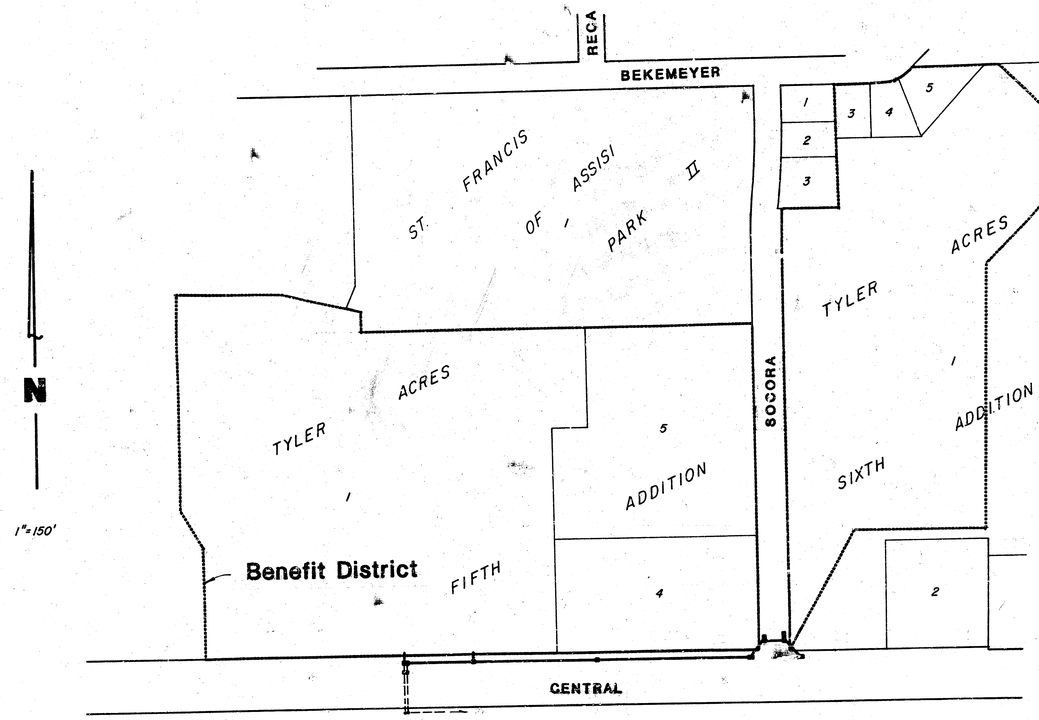
STORM WATER SEWER NO. 252

PROJECT NO.
468 76 245 81276 000 000 001



As Built Plan
9/84
M.C. Greene

R. BRENT WORTH
LICENSED
8470
KANSAS
PROFESSIONAL ENGINEER

CITY OF WICHITA, KS.

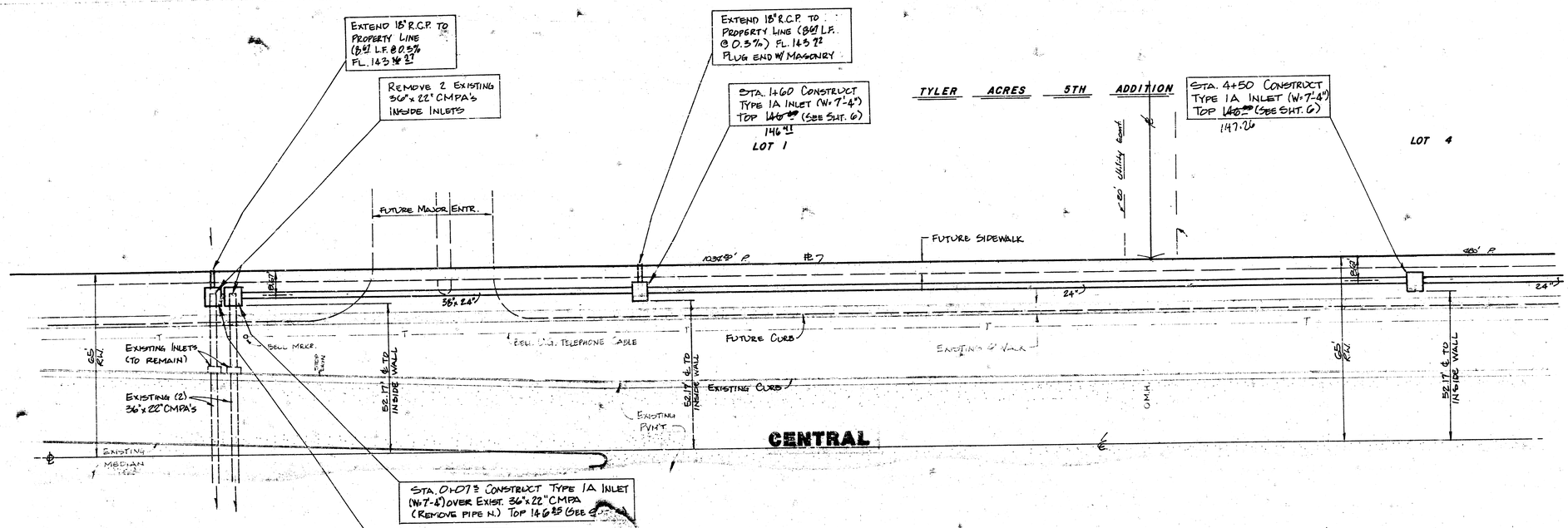
MIKE E. LINDEBAK CITY ENGINEER

General Notes, Sheet 4

MAY 84

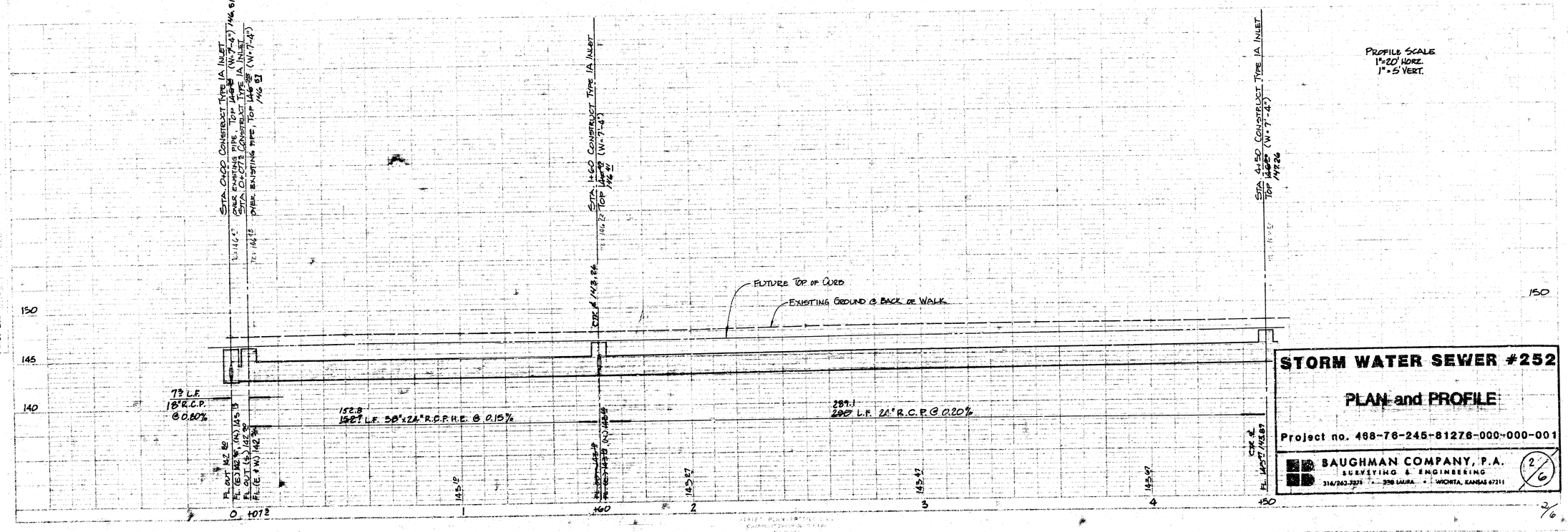
BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316/262-7271 • 330 LAURA • WICHITA, KANSAS 67211

1/6



BENCH MARK: CITY OF WICHITA DISC. 56.2' N. & 38' W. OF ℄ CENTRAL & TYLER, ELEV. 143.90

PROFILE SCALE
1"=20' HORZ.
1"=5' VERT.



STORM WATER SEWER #252

PLAN and PROFILE

Project no. 488-76-245-81276-000-000-001

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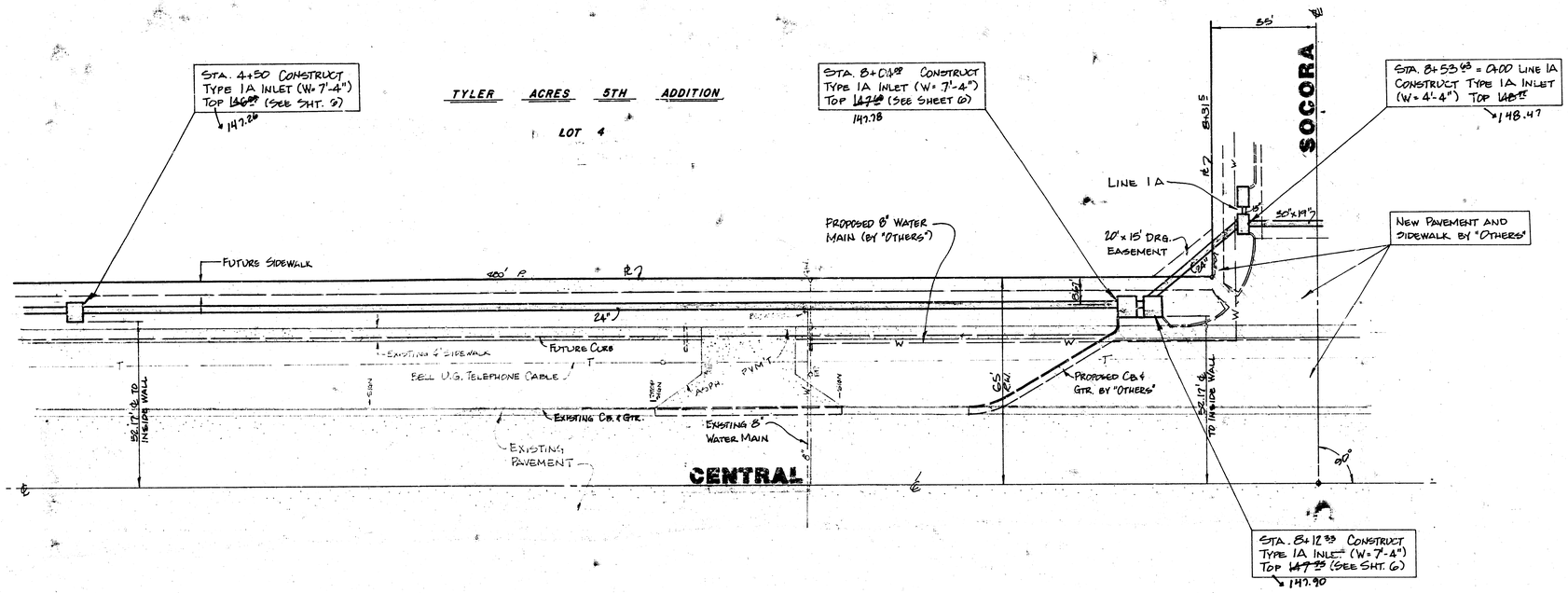
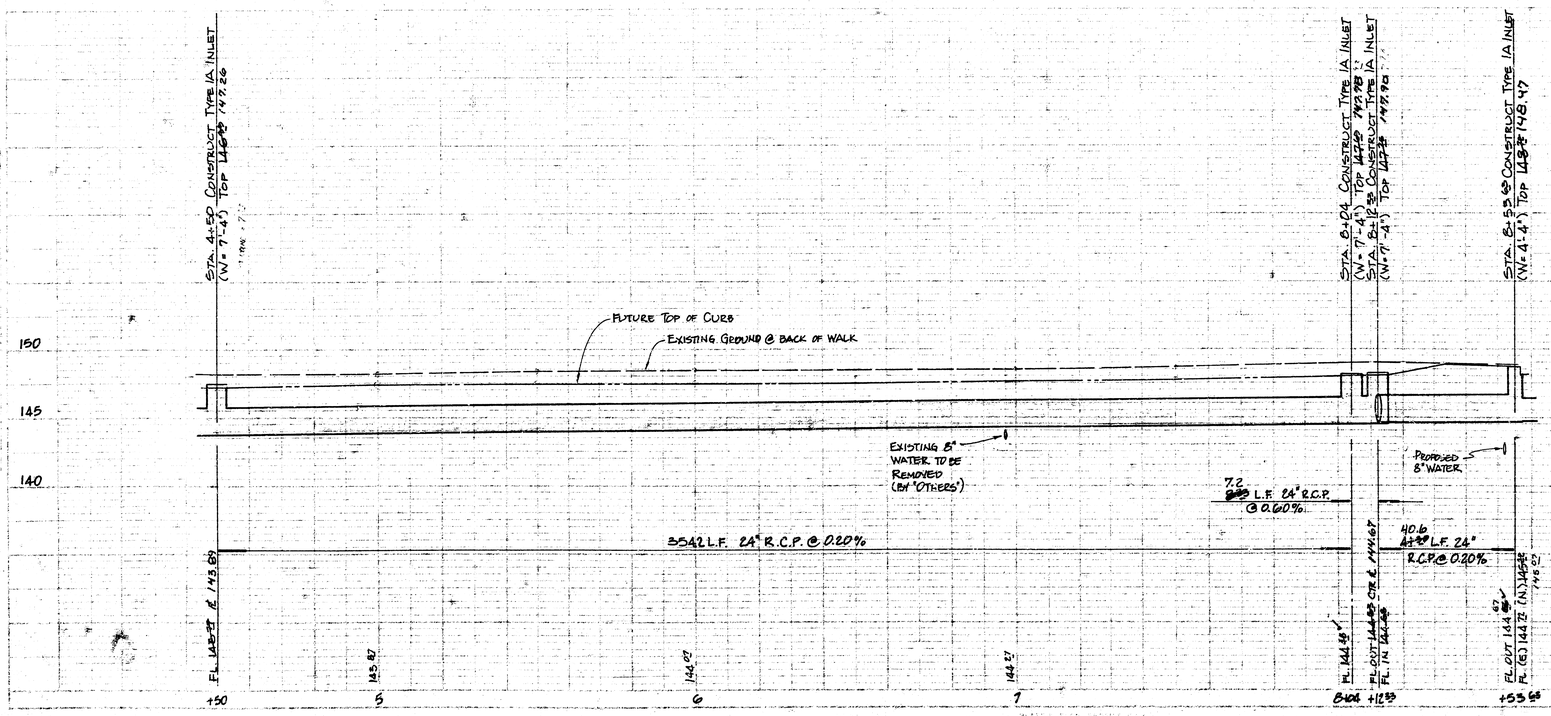
2/6



As Built Plan
9/84
M.C. Greene



PROFILE SCALE
1"=20' HORZ.
1"=5' VERT.

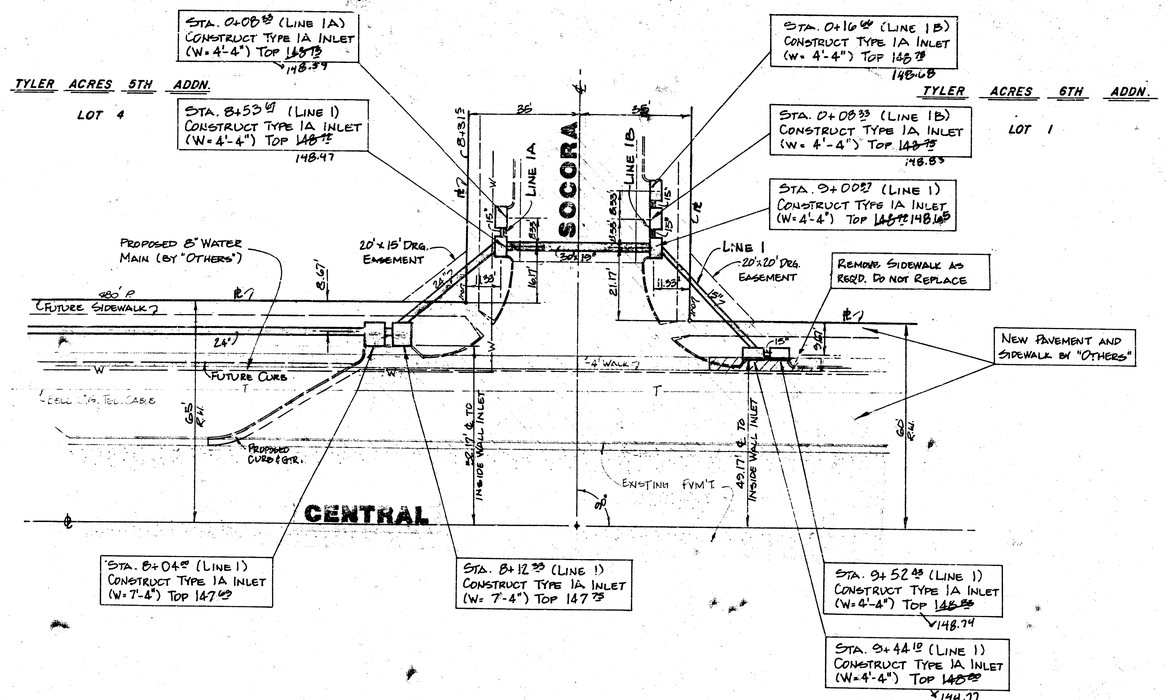
STORM WATER SEWER #252

PLAN and PROFILE

Project no. 468-76-245-81276-000-000-001

BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
316/262-7271 • 330 LAURA • WICHITA, KANSAS 67211

3/6



GENERAL NOTES

1. The Contractor shall be responsible for preserving property irons. The Contractor shall be required to re-establish any property irons which are destroyed by his construction operations. Sich irons shall be re-established by a licensed land surveyor or a professional engineer, according to state laws.

2. The Contractor shall co-ordinate construction with the water main contractor in order to avoid construction conflicts.

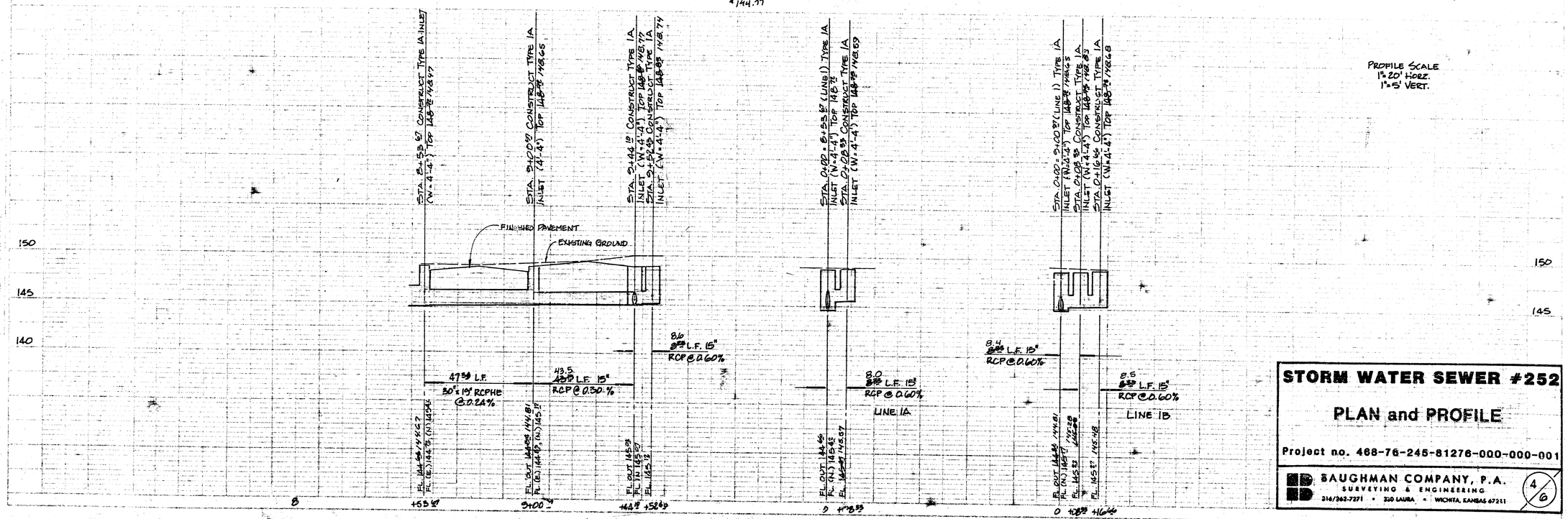
3. The Contractor shall preserve sidewalk along the north side of Central west of Socora during construction. Any such walk damaged or removed shall be replaced at the Contractor's expense. Sidewalk east of Socora may be removed only as required for inlet construction.

4. All inlets in this project along Central shall be backfilled to match existing grade. Inlet openings shall be sealed with brick masonry to prevent entry of dirt or debris.

5. Inlets from Sta. 0+00 to and including Sta. 8+12.33 shall be constructed according to Modified Details, sheet 6. All other inlets in this project shall be constructed according to Standard Details, sheet 5.

As Built Plan
9/84
MC Greene

N
1"=20'



STORM WATER SEWER #252

PLAN and PROFILE

Project no. 468-76-245-81276-000-000-001

BAUGHMAN COMPANY, P.A.
SURVEYING & ENGINEERING
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4/6

DETAIL STANDARD TYPE IA CURB INLET

CITY OF WICHITA, KANSAS

INLET OPENING = $e_n \times 2'0"$

MARCH 1984

SECTION C - C

SECTION B - B

SECTION A - A

PLAN

BENDING DIAGRAM

STEEL SCHEDULE

BAR	a^1	a^2	a^3	* W=2'-6"	W=3'-6"	W=4'-6"	W=5'-6"	W=6'-6"	b^1	b^2	b^3	b^4	LBS WT
NUMBER	4	4	5	1	5	5	7	9	6	1	1		
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#6	
HEIGHT	6'-0"	6'-1"	2'-0"	6'-1"	—	—	—	—	1'-3"	1'-8"	5'-3"	7'-8"	68#
	6'-0"	6'-1"	2'-0"	6'-1"	—	—	—	—	1'-3"	1'-8"	5'-3"	7'-8"	82#
	6'-0"	6'-1"	2'-0"	6'-1"	—	—	—	—	1'-3"	1'-8"	5'-3"	7'-8"	96#
	6'-0"	6'-1"	2'-0"	6'-1"	—	—	—	—	1'-3"	1'-8"	5'-3"	7'-8"	110#
	6'-0"	6'-1"	2'-0"	6'-1"	—	—	—	—	1'-3"	1'-8"	5'-3"	7'-8"	124#
	6'-0"	6'-1"	2'-0"	6'-1"	—	—	—	—	1'-3"	1'-8"	5'-3"	7'-8"	138#

* NOTE: a^2 BAR TO BE PLACED APPROX 5" BELOW TOP OF INLET COVER

STANDARD CURB INLET THROAT TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC
4'-6"	2'-6" x 4'-6" x 1'-3" LVS	15" Ø SMALLER	0.28 ±
5'-6"	3'-6" x 4'-6" x 1'-3" LVS	24" Ø 30"	0.21 ±
6'-6"	4'-6" x 4'-6" x 1'-3" LVS	36" Ø 45"	0.24 ±
7'-6"	5'-6" x 4'-6" x 1'-3" LVS	48" Ø 54"	0.11 ±
8'-6"	6'-6" x 4'-6" x 1'-3" LVS	60" Ø 66"	0.08 ±

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

NOTE: INLET TOP REINFORCING SHALL BE FACILITATE CONSTRUCTION OF CURB SHALL BE NOTCHED OUT AS INDICATED TO SPACED ON e_2 MAX. CENTERS. INLET LIDS

NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP OF UNIT INLET WHEN ADDITIONAL CURB AND GUTTER CONSTRUCTION NECESSARY TO CONNECT SELF-BACK INLET TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID FOR EACH INLET HOOKED.

M = 4'-6" AND M = 6'-0" ON LESS"

CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY EACH INLET INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO

THAT THE INLET WILL BE SEAL CLEARING BETWEEN ALL INLET AND/OR OUTLET PIPES.

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

INLET FRAME

WEIGHT = 180 LBS.

CENTERLINE OF PAVEMENT. THIS LINE IS PARALLEL WITH POSITION RING SUCH THAT

14 8 3 2

MARCH 1984

INLET OPENING = $e_n \times 2.0_n$

CITY OF MICHITA, KANSAS

DETAIL MODIFIED TYPE IA CURB INLET

Project no. 448-18-542-81518-000-000-001

SECTION C-C

SECTION B-B

SECTION A-A

PLAN

BENDING DIAGRAM

STEEL SCHEDULE

BAR	a^1	a^2	a^3	W=4	W=5	W=6	W=7	W=8	b^3	b^4	b^5	d^4	d^5	e^4	e^5	e^6	e^7	e^8	LBS.
NUMBER	4	4	5	1	1	2	1	2	6	1	1								
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	#4	
LENGTH	W=4,4"	W=5,4"	W=6,4"	W=7,4"	W=8,4"														
	2'-2"	2'-8"	3'-2"	3'-8"	4'-2"														88#
	2'-8"	3'-4"	4'-0"	4'-8"	5'-4"														88#
	3'-2"	4'-0"	4'-10"	5'-8"	6'-6"														110#
	3'-8"	4'-8"	5'-8"	6'-8"	7'-8"														130#
	4'-2"	5'-4"	6'-6"	7'-8"	8'-10"														150#

* NOTE: a^2 BAR TO BE PLACED APPROX. 5" BELOW TOP OF INLET COVER

STANDARD CURB INLET PRECAST TOPS

W	PRE-CAST TOP SIZE	TYPE SIZE	CU. YD. CONC.
4'-4"	3'-8" x 4'-4" x 1'-5½"	4'-4" @ 3'-8"	0.21
5'-4"	4'-8" x 4'-4" x 1'-5½"	5'-4" @ 4'-8"	0.24
6'-6"	5'-8" x 4'-4" x 1'-5½"	6'-6" @ 5'-8"	0.27
7'-8"	6'-8" x 4'-4" x 1'-5½"	7'-8" @ 6'-8"	0.30
8'-10"	7'-8" x 4'-4" x 1'-5½"	8'-10" @ 7'-8"	0.33

NOTE: CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP OR UNIT INLET MASONRY ADDITIONAL CURB AND GUTTER CONSTRUCTION NECESSARY TO CONNECT EXISTING FROM CHANNELS MAY BE REQUIRED TO INCREASE HYDRAULIC EFFICIENCY. EACH INLET INVERT SHALL BE SHAPED WITH 8 BRICK AND MIX CONCRETE TO

EACH INLET HOOKUP

BACK INLET TO PAVEMENT WILL BE PAID FOR AT THE UNIT PRICE BID FOR

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

TO BE USED WITH INLET FRAME.

AND COVER DETAIL SHEET FOR COVER DETAILS

SEE CITY OF MICHITA STANDARD MANHOLE FRAME

INLET FRAME

WEIGHT = 180 LBS.

NOTE: INLET TOP REINFORCING SHALL BE SPACED ON 8" MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB.