Sanitary Sewer Extensions To Serve

ARLINGTON PLACE 2ND ADDITION - PHASE I
LAT. 309, S.W.I.

Project No.

468-76-245-82204-000-000-001

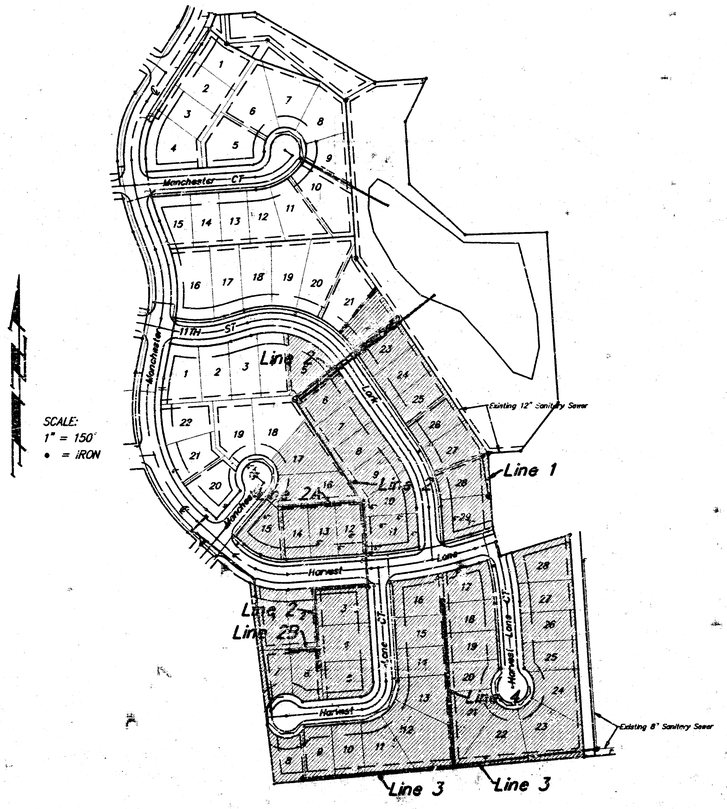
CITY OF WICHITA, KANSAS

Michael E. Lindebak City Engineer

Index Code: 741157

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. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
2. Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
3. The Contractor shall give all property owners and/or tenants of developed property abutting 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 maintaining continuous flow of sewage through construction. Contractor's proposed method for maintaining sewage flow shall be approved by the Engineer. Cost of maintaining flow of sewage through construction will not be paid for directly and this cost shall be considered as subsidiary to the other pay items of work.
5. 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 laws.
6. Contractor shall grade the sanitary sewer alignment to the profile and elevations shown on the easement grading plan. All costs for grading shall be paid as lump sum easement grading.
7. Traffic will not be effected by construction on this project.
8. Two service risers to be constructed on existing 12" sanitary sewer included in this project.



Benefit District

INDEX

1. Title Sheet
2-5. Plan/Profile Sheets
6. Type "P" Manhole Detail
7. Riser Detail
8. **Easement Grading Plan**
9. **Plat of Arlington Place 2nd Addition**

Booked 4-26-93
JKB
PER PLAN

H. BRENT WOLTEN LICENSED 8470 KANSAS PROFESSIONAL ENGINEER

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

BENCHMARK:

"□" Top of So. Curb 5' E. of End of Existing Pvmt. on Harvest Lane & 15' E. of NW Cor. Lot 28, Blk 3, Arlington Place 2nd. Elev. = 154.44

"□" Top of W. Curb Opposite P.C. Lot 1, Blk 1, Arlington Place 2nd. Elev. = 156.77

"□" Top of E. Curb 17' ± SW of NW Cor. Lot 4, Blk 2, Arlington Place 2nd. Elev. = 153.77

SCALE:
1" = 40' Horizontal
1" = 5' Vertical
• = Iron

ARLINGTON PLACE ADDITION

Sta. 0+00 Line 1, Connect to Existing Manhole Begin Construction Top Elev = 155.02 Adjust to 154.40

Sta. 1+07.4, Line 1 Const. Standard Manhole. 1 – 4" Stub SW Top Elev = 155.30

Caution, NG†E Box & Stubs

Existing Pavement

Harvest Court

Harvest Lane

Existing 12" Sanitary Sewer

Riser #1

Riser #2

10" Access Esmt.

20' Util Esmt

10' Util Esmt

6" Cedar

LINE 1

Sta. 0+13.4 Line 1 Const. Standard Manhole. Top Elev. = 154.40

ARLINGTON PLACE 2nd ADDITION

NUMBER	LINE NO.	STATION	LOT	DIRECTION	L.F. 4" RISER	TOP ELEV.
1	1	0+40	28	RIGHT	4.5	148.5
2	Existing 12"	Sheet 2	Lot 27, Blk 2		7.0	143.7
3	Existing 12"	Sheet 2	Lot 23, Blk 2		7.0	144.2
4	2	3+30	6	Left	4.5	146.5
5	2	3+80	17	RIGHT	4.5	146.7
6	2	3+95	7	Left	4.5	146.7
7	2	4+60	8	Left	4.5	147.9
8	2	5+25	9	Left	4.5	147.2

ARLINGTON PLACE 2nd ADDITION

SCALE:
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• = Iron

Existing 12" Sanitary Sewer

20' Util Esmt

Riser #3

Sta 0+00.0, Line 2 Construct standard Manhole Connecting to Existing 12" Sanitary Sewer Top Elev = 153.10

Sta. 1+32 to 1+66 Construct Flowable Fill

Lark

Proposed Pavement

Existing Pavement

Riser #4

Riser #5

Riser #6

Riser #7

Riser #8

LINE 2

Sta. 5+71.7, Line 2 Sta. 0+00.0, Line 2A Const. Standard Manhole. 1 – 4" Stub (E) Top Elev = 156.20

LINE 2A

Sta. 2+98.0, Line 2 Const. Standard Manhole 1 – 8" Stub (W) w/Plug 1 – 4" stub (N) Top Elev = 153.20

Adjust Top to Elev. 154.40

Existing Grade

Proposed Grade

Proposed water main crossing

Flowable Fill

134.4 L.F. 8" Pipe @ +2.42%

94.0 L.F. 8" Pipe @ +3.57%

LINE 1

298.0 L.F. 8" Pipe @ +0.84%

LINE 2

279.7 L.F. 8" Pipe @ +0.40%

LINE 2

LAT. 309, S.W.I.

LINE 1 & LINE 2

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PROJECT NUMBER 468-76-245-82204-000-000-001

REV.

SHEET 2 OF 9

DESIGN	DRAWN	APPROVED	DATE	SCALE
N.B.W.	B.P./E.M.L.		6/82	as shown

BENCHMARK:

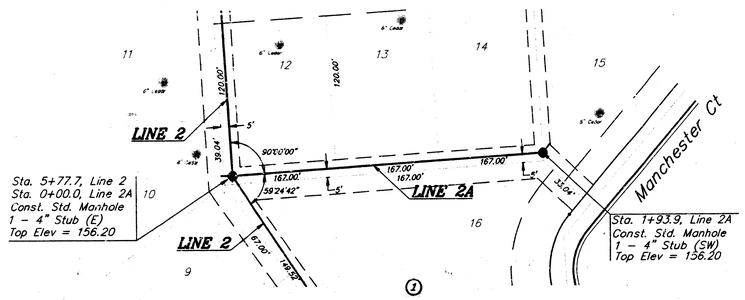
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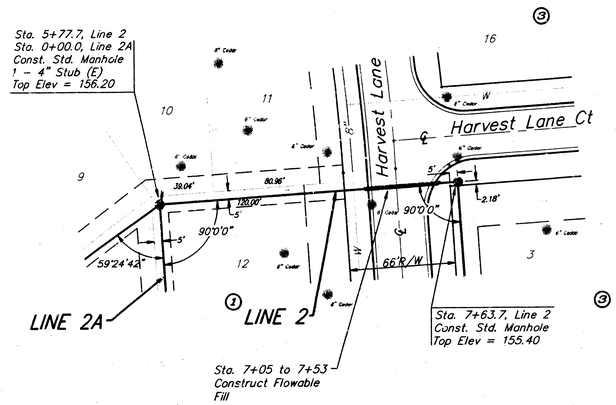
SCALE:
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1" = 5' Vertical
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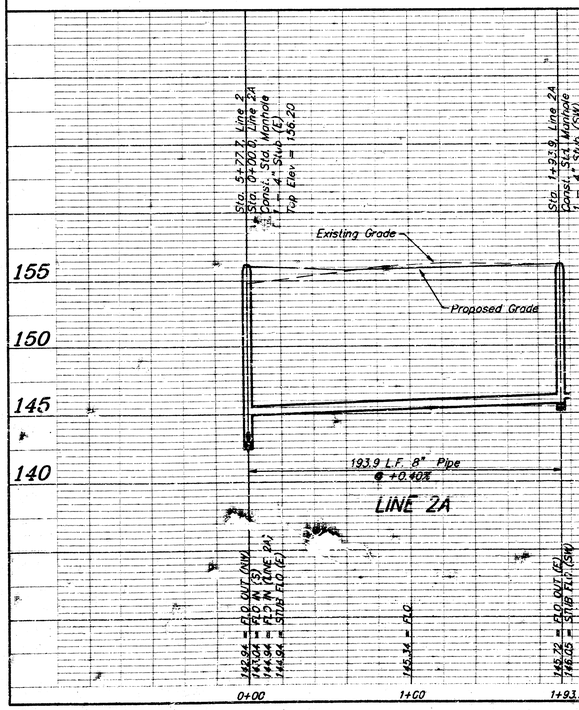
ARLINGTON PLACE
2nd ADDITION

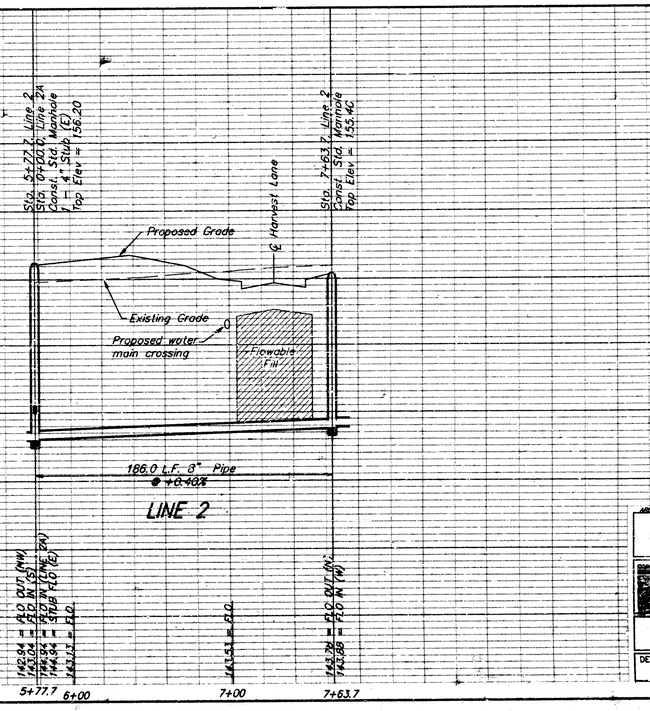


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ARLINGTON PLACE
2nd ADDITION







ARLINGTON MONROE

LAT. 309, S.W.I.
LINE 2 & LINE 2A

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REV.

PROJECT NUMBER
468-76-215-82204-000-000-001

SHEET 3 OF 9

DESIGN	DRAWN	APPROVED	DATE	SCALE
N.B.W.	B.P.	NBW	6/82	NOTED

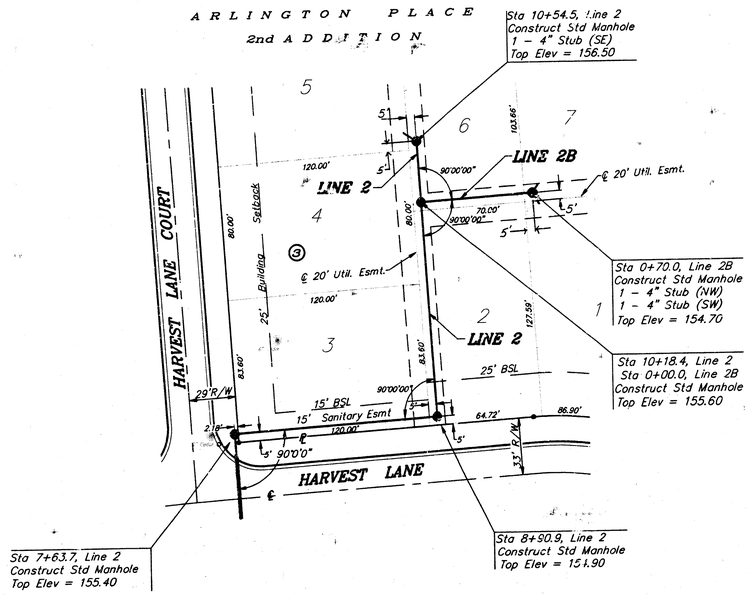
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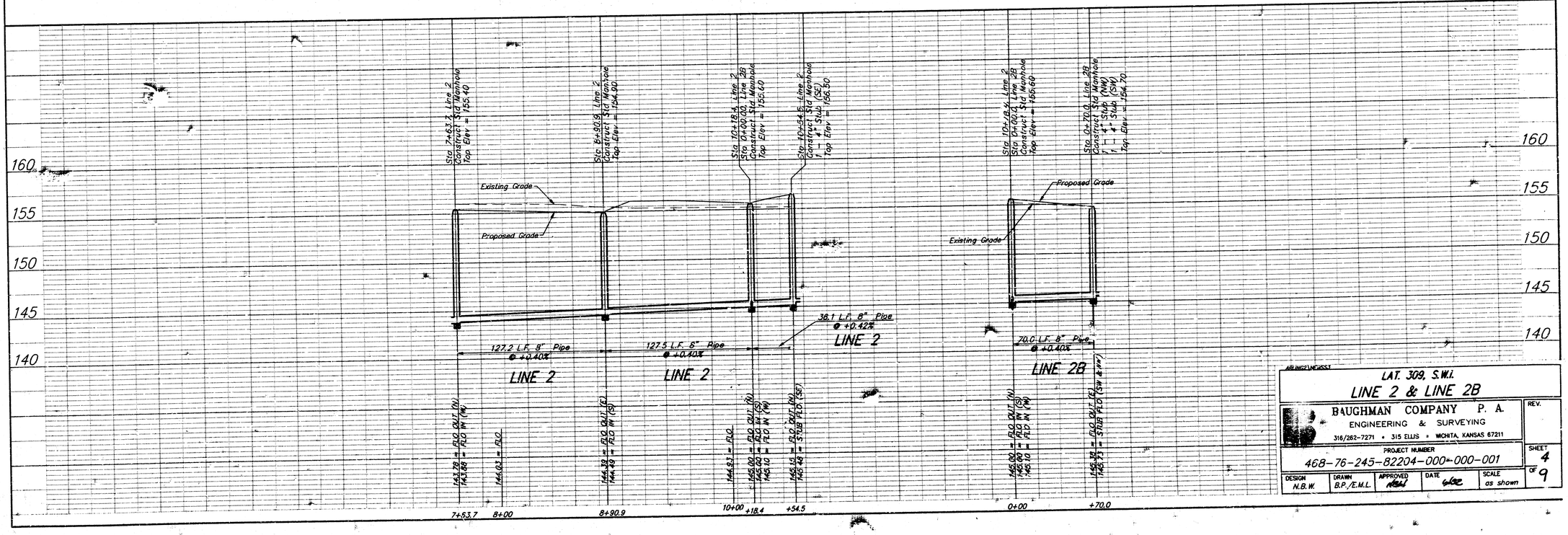
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"□" Top of E. Curb 17' ± SW of NW Cor. Lot 4, Blk 2, Arlington Place 2nd. Elev. = 153.77

SCALE:
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1" = 5' Vertical
• = Iron





ARLING2\WC4SS1

LAT. 309, S.W.I.

LINE 2 & LINE 2B

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SHEET 4 OF 9

DESIGN	DRAWN	APPROVED	DATE	SCALE
N.B.W.	B.P./E.M.L.		6/82	as shown

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CITY OF WICHITA PROPERTY

SCALE:
1" = 40' HORIZONTAL
1" = 5' VERTICAL
• = IRON

Sta. 0+00, Line 3
Extend 8" Sanitary Sewer (W) from Existing Manhole.

CAUTION CVERHEAD KG&E

S.L. Arlington Place 2nd Addition

℄ of Evergreen Screen Wall

Sta. 3+38.3, Line 3
Sta. 0+00.0, Line 4
Const. Std. Manhole
Top Elev = 153.60

℄ of Evergreen Screen Wall

15' 30' 5' 5' 5' 5' 5' 5'

Existing 8" SS

Reserve "D" Arlington Place Addition

LINE 3

LINE 4

℄ 20' Utility Easement

87°29'52"

Easement OH POWER

20 23 22 21 12 11 10 9 8

③

Sta. 6+89.8, Line 3
Const. Std. Manhole
1 – 4" Stub (NW)
Top Elev = 154.40

ARLINGTON PLACE 2nd ADDITION

ARLINGTON PLACE 2nd ADDITION

LINE 3

LINE 4

Sta. 3+38.3, Line 3
Sta. 0+00.0, Line 4
Const. Std. Manhole
Top Elev = 153.60

City of Wichita Property

S.L. Arlington Place 2nd Addition

℄ Easement

5' 5' 5' 5' 5' 5' 5'

87°29'52"

Utility Easement

12 13 14 15 16 17 18 19 20 21 22

Harvest Lane

33' R/W

Sta. 3+66.7, Line 4
Const. Std. Manhole
1 – 4" Stub (NE)
Top Elev = 156.10

SCALE:
1" = 40' HORIZONTAL
1" = 5' VERTICAL
• = IRON

Sta. 0+00 Line 3
Extend 8" Sanitary Sewer (W) from Existing Manhole.

Sta. 3+38.3, Line 3
Sta. 0+00.0, Line 4
Const. Std. Manhole
Top Elev = 153.60

Sta. 6+89.8, Line 3
Const. Std. Manhole
1 – 4" Stub (NW)
Top Elev = 154.40

Sta. 3+38.3, Line 3
Sta. 0+00.0, Line 4
Const. Std. Manhole
Top Elev = 153.60

Sta. 3+66.7, Line 4
Const. Std. Manhole
1 – 4" Stub (NE)
Top Elev = 156.10

160 155 150 145 140

Proposed Grade

Existing Grade

338.3 L.F. 8" Pipe @ +0.40%

LINE 3

351.5 L.F. 8" Pipe @ +0.40%

LINE 3

Existing Grade

Proposed Grade

366.7 L.F. 8" Pipe @ +0.40%

LINE 4

144.10 = FLO OUT (E)
144.20 = FLO W (N)
144.10 = FLO IN (LINE 5)

144.50 = FLO

144.90 = FLO

146.10 = FLO

145.45 = FLO OUT (E)
145.43 = FLO W (N)
145.33 = FLO W (N)

146.20 = FLO

146.16 = FLO

146.50 = FLO

146.88 = FLO (E)
146.78 = STUB FLO (NW)

145.45 = FLO OUT (E)
145.43 = FLO W (N)
145.33 = FLO W (N)

146.82 = FLO

146.45 = FLO

142.00 = FLO OUT (S)
141.90 = STUB FLO (NE)

0+00 1+00 2+00 3+00 +38.3 4+00 5+00 6+00 6+89.8 0+00 1+00 2+00 3+00 3+66.7

LAT. 309, S.W.I.

LINE 3 & LINE 4

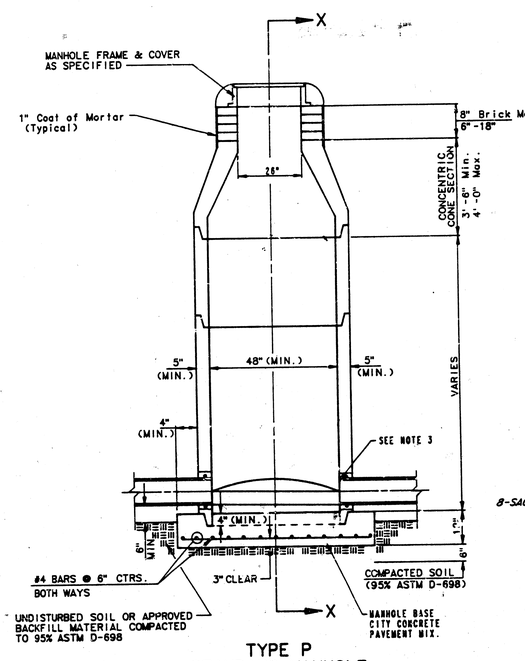
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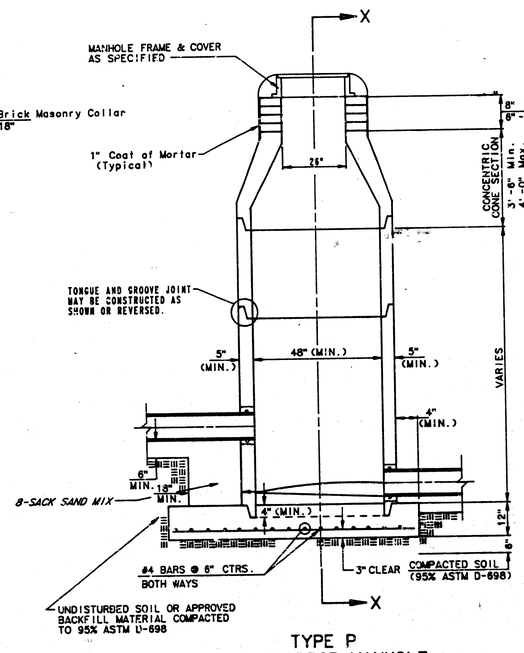
SHEET 5 OF 9

DESIGN	DRAWN	UTIL. CHECK'D	DATE	SCALE
N.B.W.	B.P.	NBW	6/82	NOTED

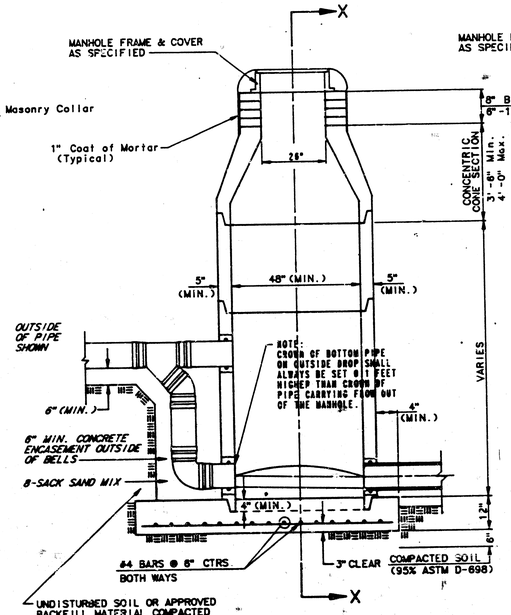
SEWER APPURTENANCES DETAILS
ADOPTED AS STANDARD DESIGN
BY
CITY OF WICHITA



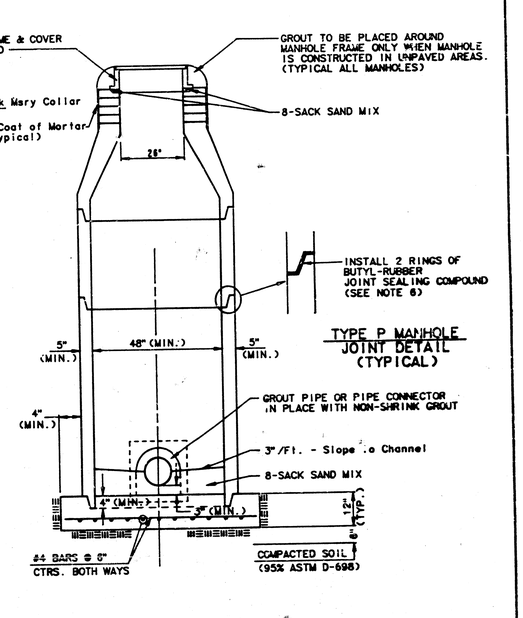
TYPE P
STANDARD MANHOLE



TYPE P
INSIDE DROP MANHOLE



TYPE P
OUTSIDE DROP MANHOLE



TYPE P MANHOLE
JOINT DETAIL
(TYPICAL)

SECTION X
(TYPICAL)

GENERAL NOTES

PRECAST MANHOLE NOTES

1. ALL PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO THE LATEST REVISION OF A.S.T.M. C478 AS MODIFIED BY THE SPECIFICATIONS.
2. NON-SHRINK GROUT SHALL BE NON-METALLIC TYPE.
3. APPROVED FLEXIBLE WATERSTOP GASKETS SHALL BE INSTALLED TO JOIN THE SEWER TO THE MANHOLE WALL WHEN A.B.S. COMPOSITE PIPE OR P.V.C. PIPE IS USED. FOR OTHER TYPES OF PIPE THE SEWER SHALL BE GROUTED IN PLACE WITH NON-SHRINK GROUT. THE SEWER PIPE SHALL BE SUPPORTED WITH CONCRETE ENCASEMENT A MINIMUM OF 3 FEET FROM THE MANHOLE WALL AND TO THE FIRST JOINT FOR V.C.P. SUCH THAT THE JOINT REMAINS FLEXIBLE.
4. ALL INSIDE SURFACES OF THE CONCRETE MANHOLE WHICH WOULD BE EXPOSED TO SEWER GAS SHALL BE COATED WITH 2 COATS TREMEC SERIES 66 HI-BUILD EPOXOLINE, DRY THICKNESS OF 8 MILS (MIN.)
5. EXTERIOR MANHOLE WALLS SHALL BE COATED WITH 1 COAT MOBILARMA 633, BITUMINUS COATING.
6. JOINT SEALING COMPOUND SHALL BE KENT SEAL NO. 2 OR APPROVED EQUAL.
7. PRECAST MANHOLES SHALL BE SET AT LEAST 4 INCHES INTO THE MANHOLE BASE.
8. TOP OF MANHOLE FLOOR SLAB SHALL BE AT LEAST 3 INCHES BELOW THE FLOW LINE OF THE OUTLET PIPE TO INSURE SUFFICIENT MINIMUM THICKNESS OF SHAPED INVERT.
9. LIFTING HOLES SHALL BE FILLED WITH NON-SHRINK GROUT AND THE INTERIOR SURFACE COATED AS SPECIFIED.
10. MORTAR USED IN MASONRY CONSTRUCTION SHALL CONTAIN 6 SACKS OF CEMENT PER CUBIC YARD. CONCRETE USED IN MANHOLE BASES SHALL CONFORM TO THE REQUIREMENTS OF CONCRETE FOR CONCRETE PAVEMENT CONSTRUCTION AS SPECIFIED IN THE CITY STANDARD PAVING SPECIFICATIONS USING CITY CONCRETE PAVEMENT MIX WITHOUT AIR ENTRAINING ADMIXTURE. MORTAR SHALL BE PLACED AROUND THE MANHOLE RING AS SHOWN ON THE DRAWINGS WHEN MANHOLES ARE CONSTRUCTED IN UNPAVED AREAS. MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE SMALLER THAN 24" SHALL HAVE AN INSIDE DIAMETER OF 4'. MANHOLES CONSTRUCTED WHERE PIPE SIZES ARE 24" OR LARGER SHALL HAVE AN INSIDE DIAMETER OF 5'. COMPLETED MANHOLE SHALL BE WITHOUT LEAKS AND WATER TIGHT.
11. REINFORCING STEEL SHALL BE INSTALLED IN THE MANHOLE BASES AND SHALL CONSIST OF NO. 4 BARS PLACED ON 6" CENTERS IN BOTH DIRECTIONS. THE MANHOLE BASE REINFORCEMENT SHALL BE PLACED AT LEAST 3" ABOVE THE BOTTOM OF THE MANHOLE BASE. ALL COSTS FOR FURNISHING AND INSTALLING REINFORCING STEEL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.
12. OPENINGS SHALL BE CUT INTO THE MANHOLE WALL WHEN OUTSIDE DROPS ARE CONSTRUCTED ON EXISTING MANHOLES. SUCH OPENINGS CUT INTO EXISTING MANHOLES SHALL BE AS SMALL AS PRACTICAL TO FACILITATE INSTALLING AND GROUTING THE NEW PIPE IN PLACE. WATERSTOP GASKETS SHALL BE USED WITH P.V.C. AND A.B.S. COMPOSITE PIPE. THE NEW PIPE SHALL BE GROUTED INTO THE OPENING USING AN APPROVED NONSHRINK GROUT FOR THE FULL MANHOLE WALL THICKNESS. THE EXTERIOR OF THE COMPLETED CONNECTION SHALL BE SEALED WITH AN APPROVED BITUMINOUS COATING SUCH THAT THE CONNECTION WILL BE WATER TIGHT. FLOOR OF MANHOLE SHALL BE MODIFIED TO FORM NEW FLOW CHANNEL FOR THE NEW CONNECTION AS INDICATED BY THE DRAWING. THIS WORK, INCLUDING MODIFICATION OF MANHOLE FLOOR, SHALL BE PAID FOR AT THE UNIT PRICE BID FOR OUTSIDE DROP STACK CONSTRUCTED ON EXISTING MANHOLE.
13. THE FLOORS OF ALL MANHOLES SHALL BE SHAPED WITH FLOW CHANNELS SUCH THAT THE MANHOLES WILL BE SELF CLEANING AND FREE OF AREAS WHERE SOLIDS COULD BE DEPOSITED AS SEWAGE FLOWS THROUGH THE MANHOLE FROM ALL INLET PIPES TO THE OUTLET PIPE. FLOW CHANNELS SHALL BE FORMED TO MATCH THE BOTTOM HALVES OF THE INFLOWING PIPES AND THE OUTFLOWING PIPE AS SHOWN BY THE DRAWINGS EXCEPT FOR INSIDE DROP MANHOLES. FLOW CHANNELS FOR INSIDE DROP MANHOLES SHALL BE CONSTRUCTED AS INDICATED BY THE DRAWING. MANHOLE FLOORS SHALL HAVE SLOPES OF 3 INCHES PER FOOT IN THE AREAS OUTSIDE OF THE FLOW CHANNELS SLOPED TOWARD THE FLOW CHANNELS. PIPES LAID THROUGH MANHOLES SHALL HAVE THE TOP HALF REMOVED TO SEAT LINES FOR THE FULL INSIDE DIAMETER OF THE MANHOLE. MANHOLE FLOORS SHALL THEN BE SHAPED AROUND THE BOTTOM HALF OF THE PIPE WHICH FORMS THE FLOW CHANNEL.
14. PIPES INSTALLED WITHIN THE EXCAVATION MADE FOR THE MANHOLE SHALL BE CRADLED WITH CONCRETE TO THE LIMITS OF THE MANHOLE EXCAVATION. WHEN CLAY PIPE IS USED, THE CRADLE SHALL EXTEND TO THE FIRST JOINT OUTSIDE THE MANHOLE. THE CRADLE SHALL BE TERMINATED AT THE CLAY PIPE JOINT IN A MANNER WHICH WILL MAINTAIN THE FLEXIBILITY OF THE JOINT. COST OF CRADLE WITHIN MANHOLE EXCAVATION OR TO CLAY PIPE JOINTS ADJACENT TO MANHOLE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE MANHOLE.
15. MANHOLE COVER CASTINGS AND MANHOLE FRAME CASTINGS SHALL CONFORM TO THE REQUIREMENTS AS INDICATED IN THE STANDARD SPECIFICATIONS AND AS SHOWN IN THE STANDARD DETAIL DRAWING.
16. THE VERTICAL DROP IN INSIDE DROP MANHOLES SHALL NOT EXCEED 4' FOR INFLOWING PIPES SIZED 12" OR SMALLER AND 2' FOR INFLOWING PIPES LARGER THAN 12". THE CROWNS OF INFLOWING PIPES SHALL NEVER BE SET LOWER THAN THE CROWN OF THE OUTFLOWING PIPE.
17. STANDARD MANHOLES AND STANDARD INSIDE DROP MANHOLES SHALL BE BID AS STANDARD MANHOLES FOR THE TYPE AND DIAMETER INDICATED. OUTSIDE DROP MANHOLES SHALL BE BID AS STANDARD OUTSIDE DROP MANHOLES FOR THE TYPE AND DIAMETER INDICATED. ALL MANHOLE DIAMETERS WILL BE 4' UNLESS INDICATED OTHERWISE.
18. A BRICK MASONRY COLLAR SHALL BE INSTALLED BETWEEN THE CAST IRON FRAME AND THE CONCENTRIC CONE. THE COLLAR WILL HAVE 8" WALLS AND A VERTICAL HEIGHT OF 6" MINIMUM AND 18" MAXIMUM. A 1" COAT OF MORTAR WILL BE PLASTERED ON THE OUTSIDE OF THE COLLAR.

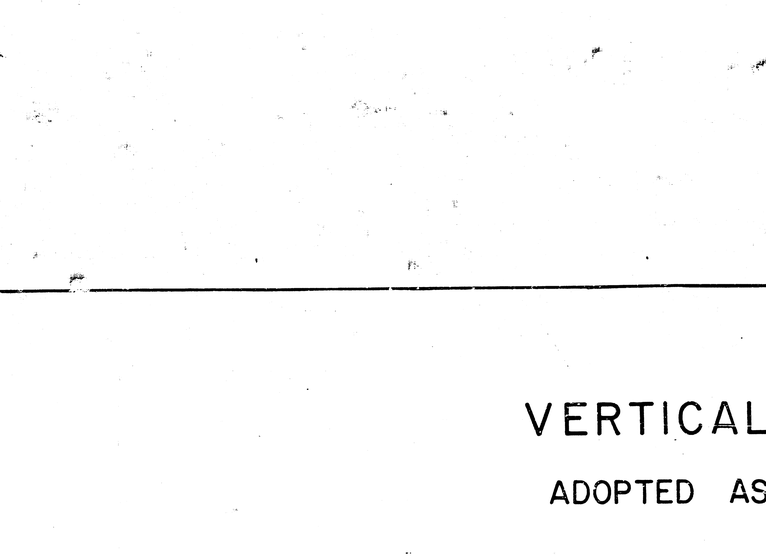
Revised: June 12, 1986

REVISED APRIL, 1980
REVISED SEPT. 1989

VERTICAL RISER DETAIL

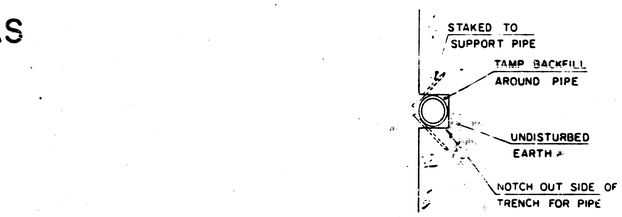
ADOPTED AS STANDARD DESIGN BY

CITY OF WICHITA, KANSAS



TYPICAL RISER FOR SLOPING TRENCH WALLS

NOTE:
TOP OF 4" OR 6" RISER PIPE TO BE EXTENDED TO AN ELEVATION OF 1 ft. MINIMUM ABOVE THE WATER TABLE ELEVATION, WHEN WATER EXISTS, OR TO AN ELEVATION SUITABLE FOR PROVIDING SERVICE TO THE LOT TO BE SERVED AND THEN PLUGGED.



TYPICAL RISER FOR VERTICAL TRENCH WALLS

GENERAL NOTE

RISERS SHALL BE INSTALLED TO SERVE ALL LOTS OR TRACTS WHEN THE MAIN SEWER LINE IS BELOW THE WATER TABLE. RISERS SHALL ALSO BE INSTALLED TO SERVE ALL LOTS AND TRACTS WHEN THE MAIN SEWER LINE DEPTH IS SUCH THAT WOULD MAKE THE BUILDING SEWER LINE CONNECTION DIFFICULT. INSTALLATION OF RISERS BECAUSE OF MAIN LINE SEWER DEPTH SHALL BE AS APPROVED BY THE ENGINEER. THE LOCATION OF RISERS TO SERVE DEVELOPED PROPERTY SHALL BE APPROVED BY THE PROPERTY OWNER. PIPE STUBS SHALL BE INSTALLED IN MANHOLES WHERE LOCATIONS OF MANHOLES WILL PROVIDE SATISFACTORY SERVICE CONNECTIONS AS DETERMINED BY THE FIELD ENGINEER. THE VERTICAL DISTANCE BETWEEN THE FLOW LINE OF THE MANHOLE PIPE STUB AND THE FLOW LINE OF THE MAIN SEWER LINE SHALL NOT EXCEED 4 FT. MANHOLE PIPE STUBS SHALL NOT BE SET BELOW AN ELEVATION WHICH WILL PERMIT THE TOP OF THE INSIDE OF THE STUB TO MATCH THE TOP OF THE INSIDE OF THE MAIN SEWER PIPE. PIPE STUBS AND RISERS INSTALLED TO SERVE COMMERCIAL OR INDUSTRIAL PROPERTY SHALL BE 6 INCH. PIPE STUBS AND RISERS INSTALLED TO SERVE RESIDENTIAL PROPERTY MAY BE EITHER 6 INCH OR 4 INCH DEPENDING UPON THE AVAILABLE GRADE AND THE SIZE OF THE LOT AS DETERMINED BY THE FIELD ENGINEER. ENCASEMENT OF VITRIFIED CLAY MAIN SEWER PIPE SHALL EXTEND TO THE FIRST JOINT IN THE MAIN SEWER CLAY PIPE ON EACH SIDE OF THE RISER INSTALLATION. ENCASEMENT OF A.B.S. COMPOSITE OR P.V.C. MAIN SEWER PIPE SHALL EXTEND A MINIMUM OF 10 FT. ON BOTH SIDES OF THE CENTERLINE OF THE RISER. FOUR INCH AND SIX INCH RISER PIPE SHALL BE ENCASED WITH CONCRETE TO THE TOP OF THE BEND AS INDICATED IN THE DRAWINGS. FOUR INCH AND SIX INCH CLAY PIPE USED FOR RISERS SHALL BE EXTRA STRENGTH PIPE CONFORMING TO THE REQUIREMENTS OF THE LATEST REVISION OF A.S.T.M. DESIGNATION C700 WITH COMPRESSION JOINTS AS SPECIFIED FOR CLAY PIPE IN THE STANDARD SPECIFICATIONS. FOUR INCH AND SIX INCH A.B.S. OR P.V.C. PIPE SHALL BE PIPE APPROVED FOR USE IN THE CITY BY THE CHIEF PLUMBING AND MECHANICAL INSPECTOR FOR THE CENTRAL INSPECTION DIVISION OF THE DEPARTMENT OF HOUSING AND ECONOMIC DEVELOPMENT. LOCATIONS OF THE ENDS OF THE RISERS SHALL BE MARKED BY FASTENING GREEN COLORED PLASTIC TAPE TO THE END OF THE RISER WHICH SHALL BE EXTENDED TO THE GROUND SURFACE AS THE EXCAVATION IS BACKFILLED SUCH THAT THE COLORED TAPE WILL BE VISIBLE WHEN THE PROJECT IS COMPLETED. **SUCH GREEN PLASTIC TAPE SHALL BE 4 MIL POLYETHYLENE FILM WITH A MINIMUM WIDTH OF 3" SPECIALLY MANUFACTURED FOR THE PURPOSE OF IDENTIFICATION OF UNDERGROUND SEWERS.** THE ENDS OF THE RISER PIPE AND MANHOLE STUBS SHALL BE CAPPED OR PLUGGED USING FITTINGS FURNISHED BY THE MANUFACTURER OF THE PIPE. CONTRACTOR'S METHODS FOR SUPPORTING AND BACKFILLING RISER PIPE SHALL BE APPROVED BY THE ENGINEER.

FURNISHING AND INSTALLING RISERS SHALL BE PAID FOR AT THE UNIT PRICES BID FOR 4" PIPE, 6" PIPE AND REINFORCED CONCRETE ENCASEMENT FOR THE VARIOUS MAIN SEWER PIPE SIZES INDICATED; WHICH PRICE SHALL INCLUDE ALL COSTS FOR COMPLETION OF THIS ITEM INCLUDING SADDLES, BENDS, CONCRETE, REINFORCING STEEL, CAPS OR PLUGS, AND ALL OTHER NECESSARY MATERIALS OR WORK. CONCRETE ENCASEMENT OF THE RISER PIPE TO THE TOP OF THE BEND AS SHOWN BY THE DRAWINGS WILL NOT BE PAID FOR DIRECTLY AND THE COST FOR THIS WORK SHALL BE CONSIDERED AS SUBSIDIARY TO THE OTHER ITEMS OF WORK.

THE PROJECT INSPECTOR SHALL REPORT ON INSPECTOR CARDS THE LOCATION OF ALL RISERS CONSTRUCTED AS MEASURED FROM THE NEAREST MANHOLE, THE DIRECTION OF SERVICE, THE ELEVATION OF THE TOP OF THE RISER, AND THE PAY QUANTITIES INVOLVED. THE PROJECT INSPECTOR SHALL ALSO REPORT ON INSPECTOR CARDS THE LOCATION, DIRECTION OF SERVICE, AND SIZE OF ALL STUBS INSTALLED IN MANHOLES.

Scale: 1" = 60'-0"

BENCH MARK:
SQUARE CUT ON TOP OF EAST CURB OF MANCHESTER 17 FEET SOUTHWESTERLY OF N.W. COR. OF LOT 4, BLOCK 2, ARLINGTON PLACE 2ND ADDITION
ELEV = 1353.76 CITY DATUM
ELEV = 1341.16 M.S.L.

BENCH MARK:
SQUARE CUT ON TOP OF WEST CURB OF MANCHESTER 76.2 FEET SOUTHERLY OF N.W. COR. OF LOT 1, BLOCK 1, ARLINGTON PLACE 2ND ADDITION
ELEV = 1356.76 CITY DATUM
ELEV = 1344.16 M.S.L.

MANCHESTER
MANCHESTER CT
MANCHESTER TER
11TH ST
HARVEST LANE
HARVEST LANE CT
LARK
DROP INLET 154.00
EX MH RIM 154.03
EX MH RIM 153.84
EX MH RIM
EX MH RIM 154.69
EX MH RIM 153.10
EX MH RIM 154.17
EX MH RIM 153.60
EX MH RIM 155.30
EX MH RIM ADJUST TO 154.40
EX MH RIM

ARLINGTON PLACE 2ND ADDITION
EASEMENT GRADING PLAN

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

PROJECT NUMBER				SHEET
				8 OF 9
DESIGN	DRAWN	UTIL. CHECK'D	DATE	SCALE
			6-92	1"=60'-0"

Arling01.EASE2ND

8-S-81