# CONCRETE ALLEY BETWEEN WASHINGTON & IDA

FROM THE NORTH LINE OF LEWIS
TO THE SOUTH LINE OF WATERMAN

## PROJECT NO.
## 472-76-245-81353-000-000-001

CITY OF WICHITA, KANSAS
MIKE LINDEBAK, CITY ENGINEER
JULY, 1984

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| 2 | ALLEY PLAN |
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| 4 | CROSS SECTIONS |

**GENERAL NOTES**

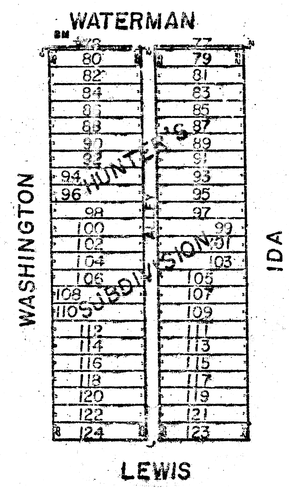
1. PAVEMENT SHALL BE 7" CONCRETE ALLEY WITH 6x12 W4-W4 WWF
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY THIS CONSTRUCTION OPERATION. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.
3. TREES TO BE REMOVED ARE INDICATED ON THE PLANS. HOWEVER, ANY TREE WHICH CAN BE SAVED, AS DETERMINED BY THE FIELD ENGINEER, SHALL BE REMOVED.
4. PAVING CONTRACTOR TO CONTACT UTILITY COMPANIES FOR LOCATION OF ANY UNDERGROUND LINES.

NOTE: NOTIFY THE FOLLOWING COMPANIES PRIOR TO ANY EXCAVATION

| | |
|---|---|
| ARKLA GAS COMPANY | 942-8350 |
| BELL TELEPHONE COMPANY | 268-2256 |
| CABLEVISION | 269-3340 |
| GAS SERVICE COMPANY | 263-7511 |
| KANSAS GAS & ELECTRIC | 261-6375 |
| KAN-U-DIG-IT | 267-2889 |

**BENCH MARK**

RAILROAD SPIKE IN POWER POLE SOUTH SIDE OF WATERMAN ± 100' WEST OF THE ALLEY.
ELEV. = 109.46







Scale: 1"= 100'

KENNETH H. BENJAMIN LICENSED 7238 KANSAS PROFESSIONAL ENGINEER

**PAVING PLANS FOR ALLEY BETWEEN WASHINGTON & IDA**

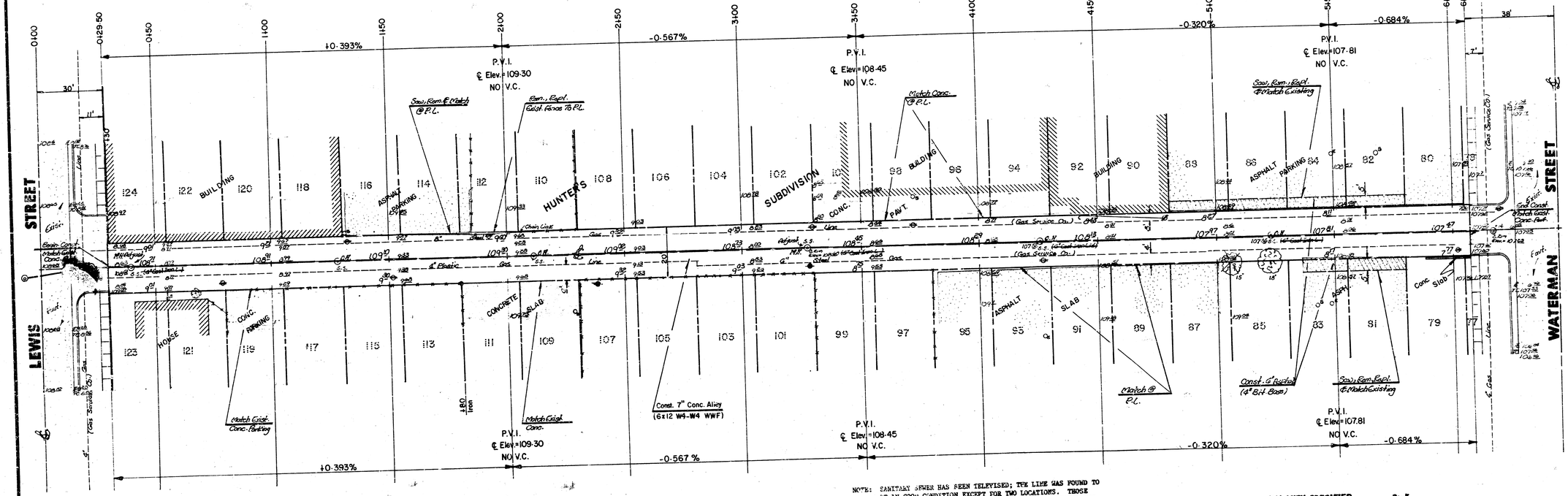
Design AMS
Drawn by DLM
Checked by K.B
Date JULY, 1984
Job No.

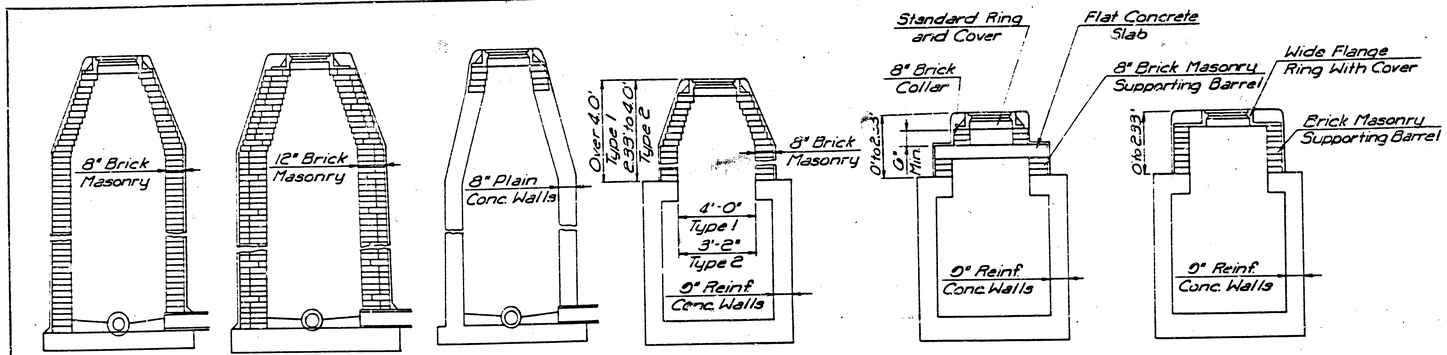

MID-KANSAS ENGINEERING CONSULTANTS PA
240 NORTH ROCK ROAD
SUITE 130
WICHITA, KANSAS 67206
682-6561


Sheet 1 of 4

N

Scale: 1" = 20'


0100
0129.50
0150
1100
1150
2100
2150
3100
3150
4100
4150
5100
5450
6100
6107
+0.393%
-0.567%
-0.320%
-0.684%
38'
30'
11'
7'
P.V.I.
℄ Elev.=109.30
NO V.C.
P.V.I.
℄ Elev.=108.45
NO V.C.
P.V.I.
℄ Elev.=107.81
NO V.C.
Saw, Rem. & Match @ P.L.
Rem., Repl. Galvt. Fence To P.L.
Match Conc. @ P.L.
Saw, Rem., Repl. & Match Existing
STREET
LEWIS
WATERMAN
HUNTERS
SUBDIVISION
BUILDING
ASPHALT PARKING
CONC. PAVT.
CONCRETE SLAB
HOUSE
CONC. PARKING
Match Galvt. Conc. Parking
Match Galvt. Conc.
Const. 7" Conc. Alley (6x12 W4-W4 WWF)
Match @ P.L.
Const. 6" Junction (4" Bit. Base)
Saw, Rem. Repl. & Match Existing
Conc. Slab
Gas Service Co.
Water
Sewer
Gas
Elec.
Fence
Chain Link
Asphalt
Concrete
Brick
Wood
Metal
Edge of Pavement
Property Line
Center Line
Top of Curb
Gutter
Sidewalk
Manhole
Fire Hydrant
Water Valve
Gas Valve
Power Pole
Guy Wire
Light Pole
Telephone Pole
Mail Box
Sign
Tree
Shrub
Bush
Hedge
Fence
Retaining Wall
Steps
Ramp
Curb Inlet
Catch Basin
Storm Sewer
Culvert
Flow Line
Invert
Top of Pipe
Bottom of Pipe
Elevation
Grade
Slope
Radius
Arc
Chord
Tangent
Point of Curvature
Point of Tangency
Point of Intersection
Point of Beginning
Point of Ending
Bearing
Distance
Area
Volume
Quantity
Unit
Price
Total
Contractor
Engineer
Surveyor
Owner
Date
Scale
Drawing
Detail
Section
Plan
Profile
Elevation
Notes
Specifications
Standard
Typical
Proposed
Existing
Abandoned
Removed
Relocated
Replaced
Repaired
Cleaned
Inspected
Tested
Approved
Rejected
Completed
Started
Finished
Delivered
Installed
Constructed
Demolished
Excavated
Backfilled
Compacted
Graded
Paved
Seeded
Sodded
Mulched
Fertilized
Limed
Watered
Maintained
Protected
Barricaded
Signed
Lighted
Marked
Numbered
Lettered
Dimensioned
Labeled
Described
Referenced
Indexed
Filed
Recorded
Copied
Printed
Published
Distributed
Received
Sent
Mailed
Faxed
Emailed
Called
Met
Discussed
Agreed
Disagreed




TYPE A
Single Wall Brick Masonry

TYPE B
Double Wall Brick Masonry

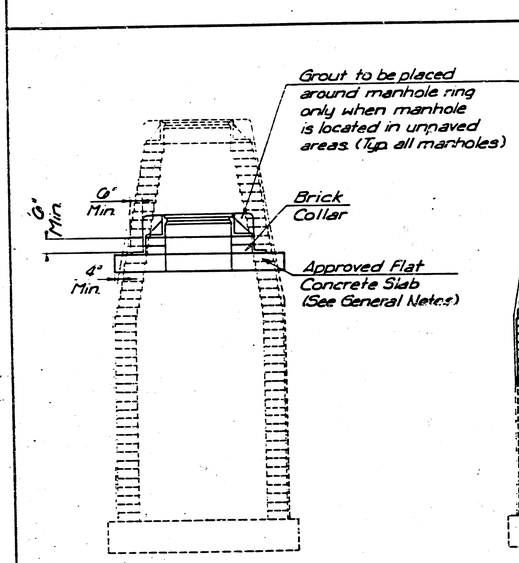
TYPE C & D
Cast in Place
(Type D is plastic lined & has brick draw)

TYPE 1 & 2
Reinforced Concrete

TYPE 3
Reinforced Concrete

TYPE 4
Reinforced Concrete
(Wide Flange Ring)

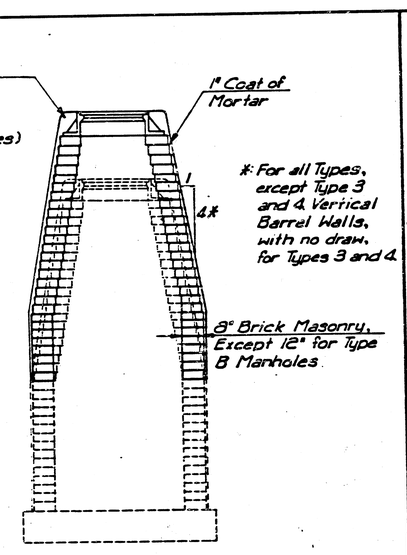
**DEFINITION SKETCHES - CITY OF WICHITA STANDARD MANHOLES**




DOWNWARD ADJUSTMENT
(GREATER THAN 12")
*All Types*

THE APPROPRIATE PORTIONS OF THE DRAW AND BARREL OF TYPE A, B, C, D, 1 AND 2 MANHOLES SHALL BE REMOVED. A FLAT CONCRETE SLAB SHALL BE PLACED AND THE RING AND COVER RESET. ALL WORK AND MATERIALS SHALL CONFORM TO THE DETAILS SHOWN AND THE GENERAL NOTES.

COURSES OF BRICK BARREL SUPPORTING THE WIDE FLANGE RING FOR TYPE 4 MANHOLES AND FLAT CONCRETE SLAB FOR TYPE 3 MANHOLES SHALL BE REMOVED AS NECESSARY PRIOR TO RESETTING THE WIDE FLANGE RING OR FLAT CONCRETE SLAB AND RING. ALL WORK AND MATERIALS SHALL CONFORM TO THE DETAILS SHOWN AND THE GENERAL NOTES.

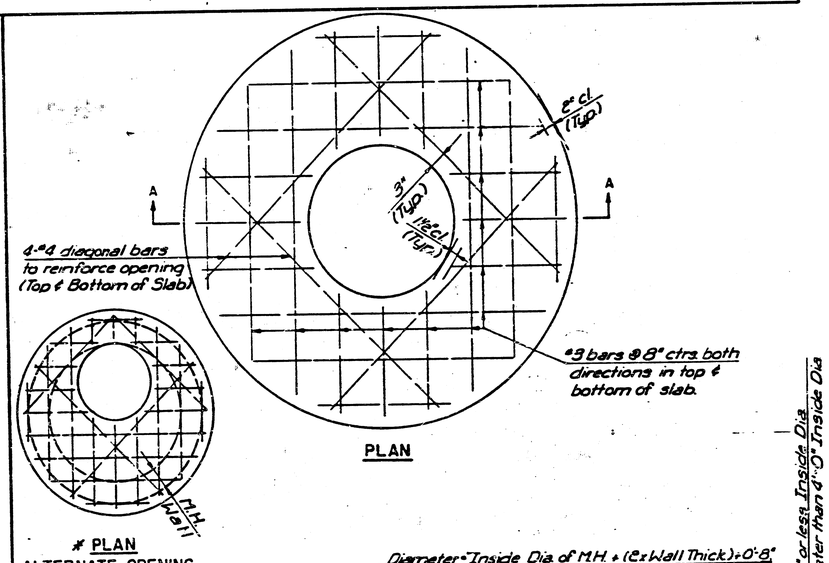



*: For all Types, except Type 3 and 4 Vertical Barrel Walls, with no draw, for Types 3 and 4.

8" Brick Masonry, Except 12" for Type B Manholes.

UPWARD ADJUSTMENT
(GREATER THAN 12")
*All Types*

THE ENTIRE DRAW OF TYPES A, B, C, D, 1 AND 2 MANHOLES SHALL BE REMOVED. THE MANHOLE BARREL RAISED THE APPROPRIATE AMOUNT, A NEW DRAW CONSTRUCTED, AND THE RING AND COVER RESET. THE UPPER PORTION OF TYPE 3 MANHOLES SHALL BE REMOVED TO THE BOTTOM OF THE FLAT CONCRETE SLAB, THE BRICK MASONRY BARREL SUPPORTING THE SLAB SHALL BE RAISED THE APPROPRIATE AMOUNT, AND THE SLAB AND RING AND COVER RESET. THE WIDE FLANGE RING AND COVER OF TYPE 4 MANHOLES SHALL BE REMOVED, THE BRICK MASONRY BARREL SUPPORTING THE RING SHALL BE RAISED THE APPROPRIATE AMOUNT AND THE RING AND COVER RESET. ALL WORK REQUIRED FOR A GREATER THAN TWELVE INCH (12") UPWARD ADJUSTMENT OF ANY MANHOLE SHALL BE ACCOMPLISHED WITH BRICK MASONRY IN ACCORDANCE WITH THE DETAILS SHOWN AND THE GENERAL NOTES.

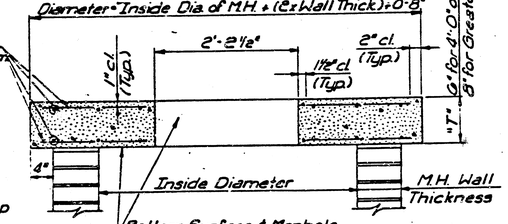



PLAN




* PLAN
ALTERNATE OPENING LOCATION

#3 bars @ 8" ctrs. both directions in top & bottom of slab.




Bottom Surface of Manhole opening to be plastic lined when Slab is Constructed for sanitary sewer manhole.

SECTION A-A

*: To be used only if necessary to keep ring and cover from conflicting with curb or combined curb and gutter. Flat concrete slab shall be rotated on existing manhole to position ring and cover in pavement or behind curb.

FLAT CONCRETE SLAB DETAILS

**MANHOLE ADJUSTMENT DETAILS**

CITY OF WICHITA, KANSAS
M. E. LINDEBAK – CITY ENGINEER

| Designed by | | Checked by | |
|---|---|---|---|
| Drawn by | | Date | |

3/4 ORIGINAL

ALLEY BETWEEN WASHINGTON & IDA

PROJECT NO.

42-76-245-81333-000-000-001

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