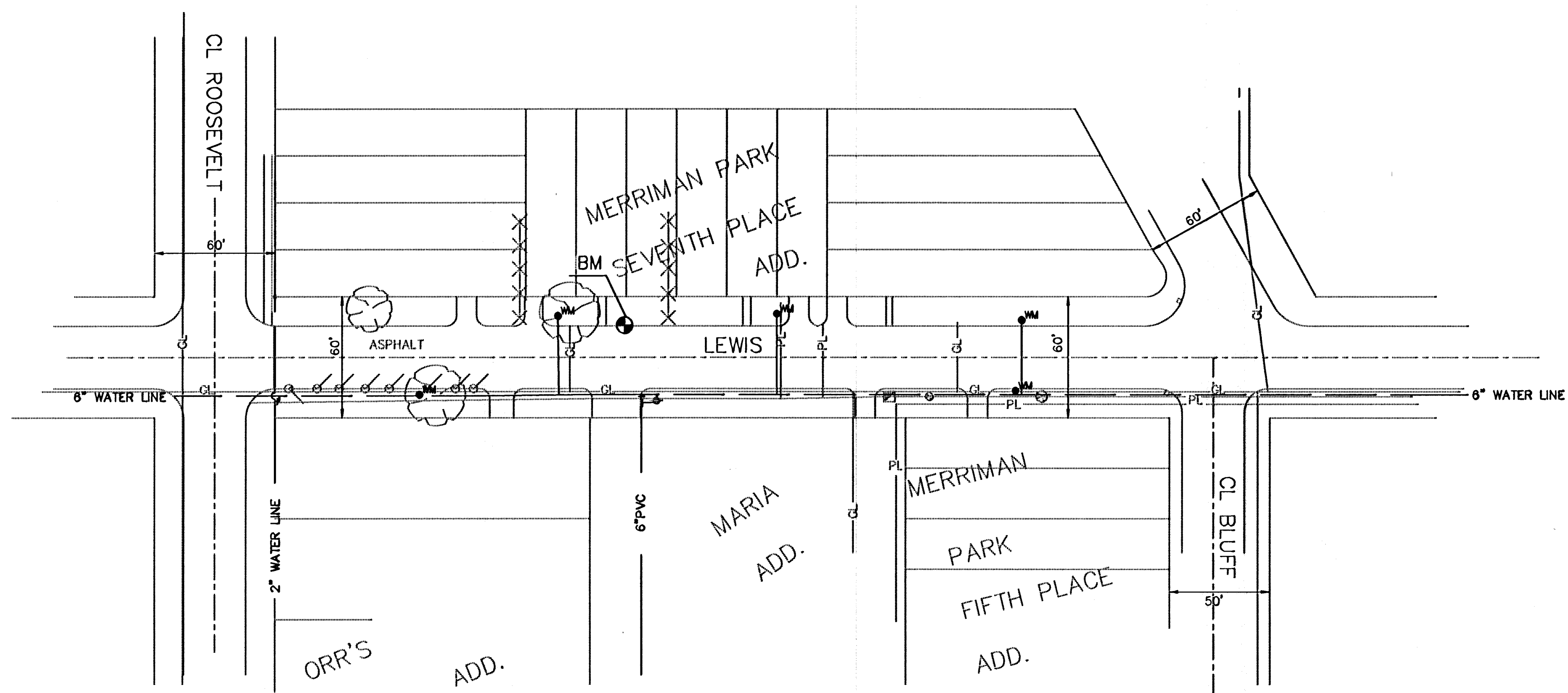


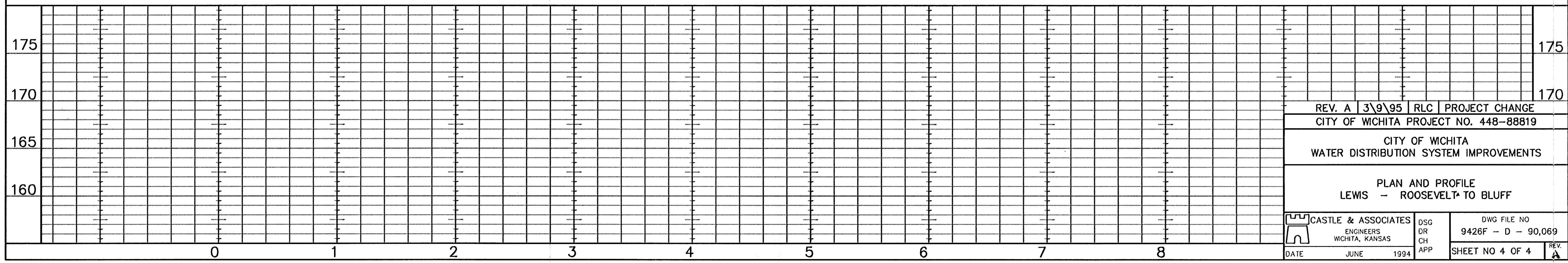
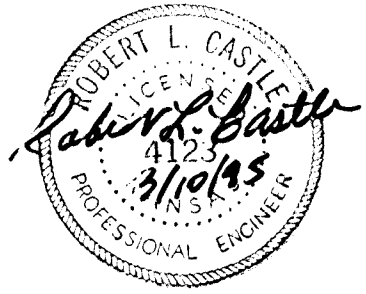
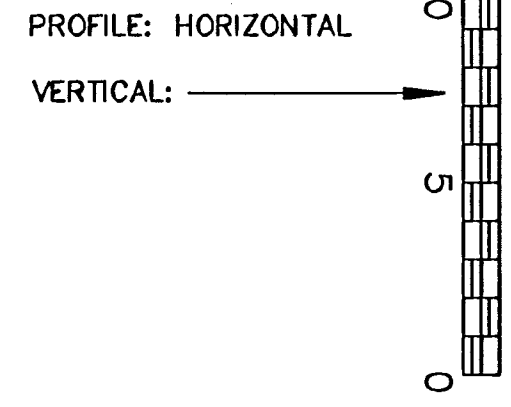
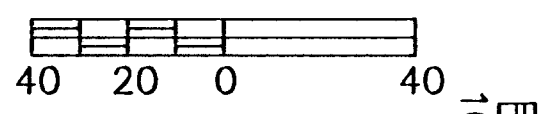


BM  
CHISLED X TOP OF CURB  
NORTH SIDE OF LEWIS  
STA. 1+64  
ELEV. 169.29

ALL EXISTING WATER MAINS AND SERVICES  
ARE TO BE KEPT IN SERVICE UNTIL NEW WATER  
DEPT. AND/OR CONTRACTOR INSTALLED SERVICE TIE IN  
AND/OR REPLACEMENTS ARE COMPLETED.  
SEE GENERAL NOTES #4 AND #10 SHEET #2.



- ⊙ SIGN POST, COMMERCIAL
- POWER POLE
- FIRE HYDRANT
- ⊙ J-BOX
- ⌋ DEADMAN
- ⊙ MANHOLE
- \*\*\* FENCE
- GP ○ GUY POLE
- WM ○ WATER METER
- ⊙ TREE
- GM ○ GAS METER
- BUSH
- PL PHONE LINE
- GL GAS LINE

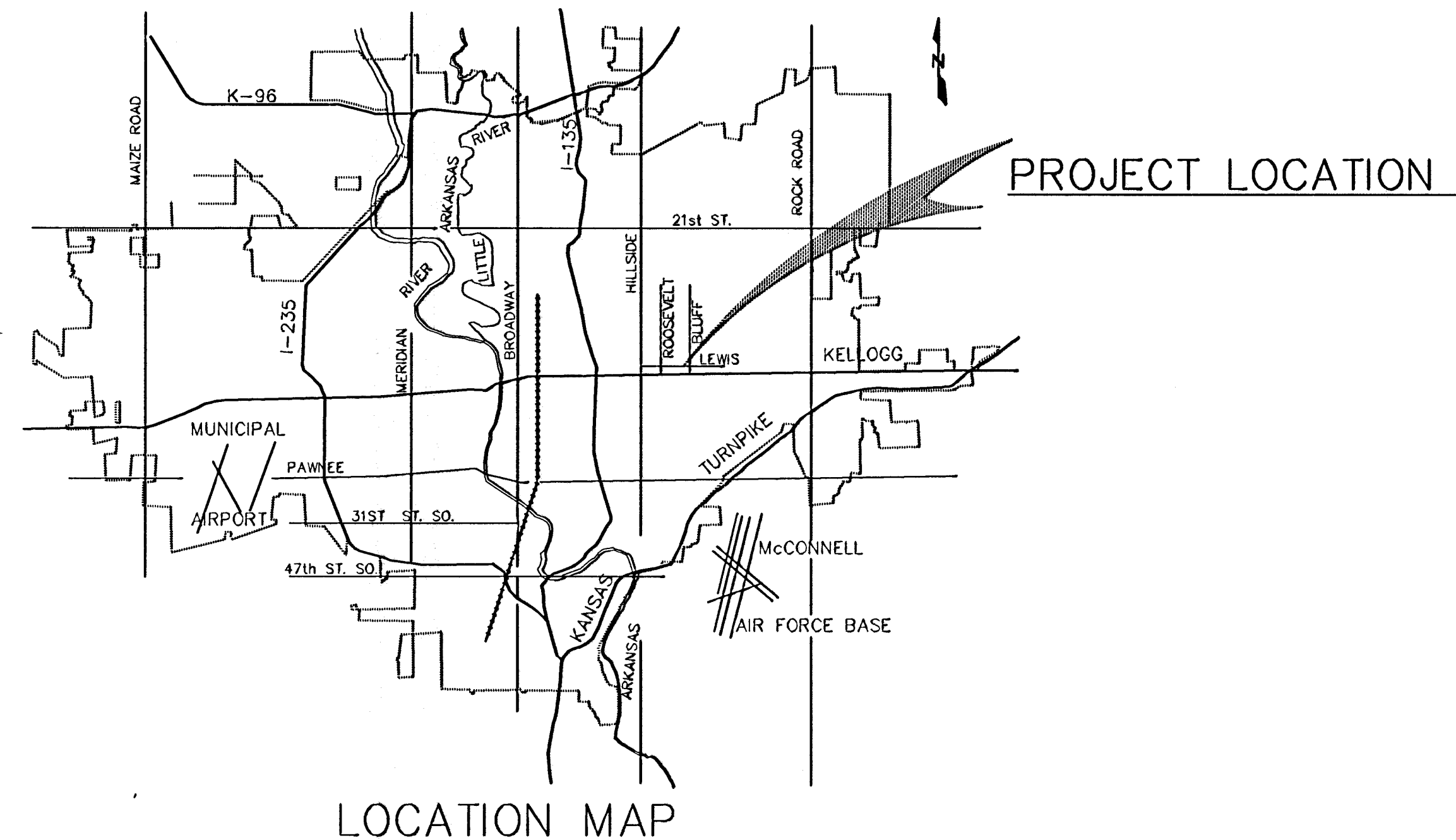


|                                                           |                                                     |  |                                   |
|-----------------------------------------------------------|-----------------------------------------------------|--|-----------------------------------|
| REV. A   3/9/95   RLC   PROJECT CHANGE                    |                                                     |  |                                   |
| CITY OF WICHITA PROJECT NO. 448-88819                     |                                                     |  |                                   |
| CITY OF WICHITA<br>WATER DISTRIBUTION SYSTEM IMPROVEMENTS |                                                     |  |                                   |
| PLAN AND PROFILE<br>LEWIS - ROOSEVELT TO BLUFF            |                                                     |  |                                   |
|                                                           | CASTLE & ASSOCIATES<br>ENGINEERS<br>WICHITA, KANSAS |  | DSG<br>DR<br>CH<br>APP            |
|                                                           | DATE JUNE 1994                                      |  | DWG FILE NO<br>9426F - D - 90,069 |
| SHEET NO 4 OF 4                                           |                                                     |  | REV. A                            |

AutoCAD Drawing File Name 9426F-1.DWG  
Archive Computer Disk # ACAD-DWG19  
Plot Scale 1"=300'

88819

# CONSTRUCTION PLANS FOR WATER DISTRIBUTION SYSTEM IMPROVEMENTS LEWIS — ROOSEVELT TO BLUFF THE CITY OF WICHITA, SEDGWICK COUNTY, KANSAS MICHAEL E. LINDEBAK, P.E.—CITY ENGINEER



## DRAWING INDEX

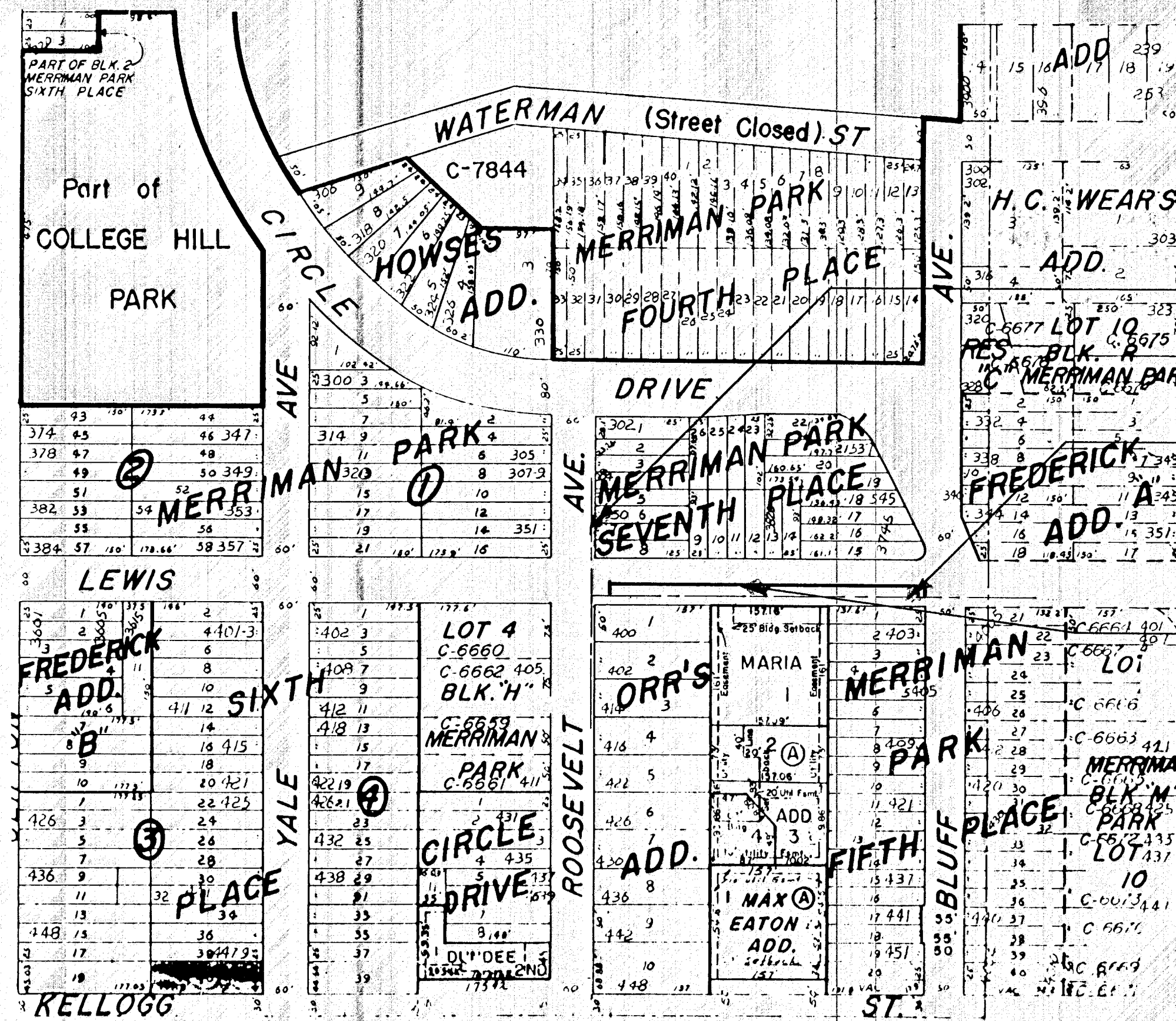
SHEET NO. 1 TITLE SHEET  
SHEET NO. 2 KEY MAP AND PLAT DATA  
SHEET NO. 3 STANDARD DETAILS  
SHEET NO. 4 PLAN/PROFILE

INDEX CODE — 632133  
CITY OF WICHITA PROJECT NO 448 88819

JUNE, 1994  
PLANS PREPARED BY  
CASTLE & ASSOCIATES  
WICHITA, KANSAS



|                                                                                                                                           |                        |                                   |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------|-----------------|
| CITY OF WICHITA<br>WATER DISTRIBUTION SYSTEM IMPROVEMENTS                                                                                 |                        |                                   |                 |
| TITLE SHEET                                                                                                                               |                        |                                   |                 |
|  CASTLE & ASSOCIATES<br>ENGINEERS<br>WICHITA, KANSAS | DSG<br>DR<br>CH<br>APP | DWG FILE NO<br>9426F - D - 90,066 | REV.            |
|                                                                                                                                           |                        | DATE<br>JUNE 1994                 | SHEET NO 1 OF 4 |



NOTE: WATER LINE VALVES TO BE OPERATED BY CONTRACTOR  
ONLY IF A WATER DEPT. REPRESENTATIVE IS ON SITE.

EXISTING 2" WATER LINE

EXISTING 6" WATER LINE

PROPOSED 6" WATER LINE  
SEE SHEET 4

#### LEGEND

EXISTING WATER LINE

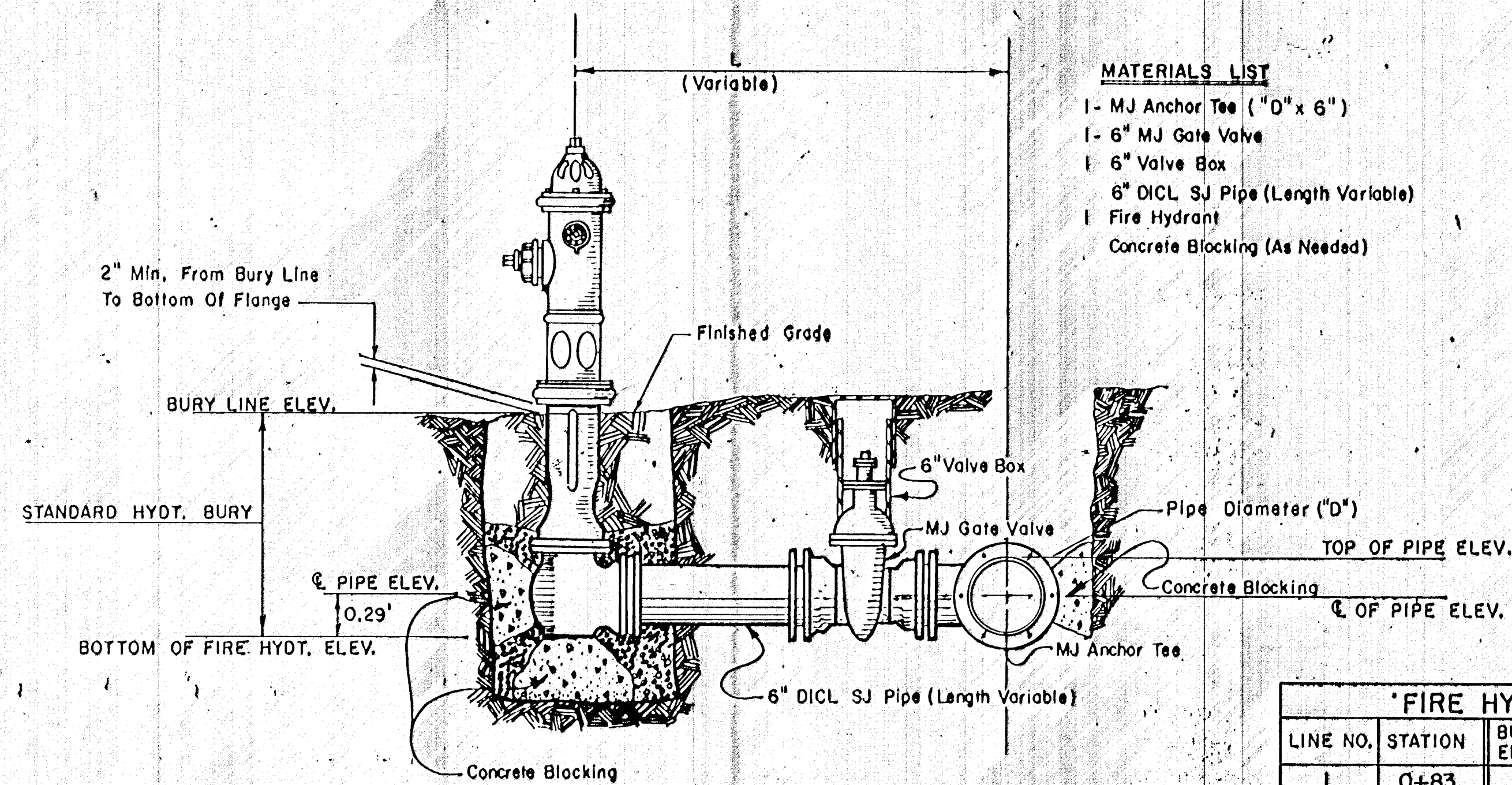
PROPOSED WATER LINE

#### GENERAL NOTES

- ALL ELEVATIONS SHOWN ARE CITY OF WICHITA DATUM.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:  
KANSAS ONE-CALL 687-2470  
THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:  
CABLEVISION 262-4270 OR 263-2061  
KG&E - GAS 263-7511  
KG&E - ELECTRIC 264-1141  
ARKLA GAS COMPANY 942-8350 OR 263-8161  
SOUTHWESTERN BELL TELEPHONE CO. 1-571-2611  
CITY OF WICHITA WATER DEPARTMENT 268-4908  
CITY OF WICHITA SEWER MAINTENANCE 733-0202
- ALL WATER MAINS AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF WICHITA, KANSAS STANDARD SPECIFICATIONS FOR WATER MAIN INSTALLATIONS NO. 14533.
- THE WATER MAIN SHALL BE CONSTRUCTED ON THE ALIGNMENT SHOWN BY THE PLANS. THE EXISTING WATER MAINS ARE TO BE KEPT IN SERVICE UNTIL THE NEW WATER MAIN IS COMPLETED AND IN SERVICE. 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. THE COST FOR ANY NECESSARY TREE TRIMMING CLEARING AND/OR CRUBBING SHALL BE SUBSIDIARY TO SITE CLEARING.
- OPENING AND CLOSING WATER VALVES SHALL BE DONE SLOWLY TO PREVENT DAMAGE TO THE WATER DISTRIBUTION SYSTEM FROM WATER HAMMER. ALL VALVES CLOSED BY THE CONTRACTOR MUST BE REOPENED AS NEW CONSTRUCTION PERMITS. PROJECT INSPECTOR MUST ASCERTAIN THAT ANY VALVE CLOSED BY THE CONTRACTOR IS REOPENED. CONTRACTOR WILL BE PERMITTED TO OPERATE WATER VALVES ONLY WHEN THE PROJECT INSPECTOR ASSIGNED TO THE PROJECT IS PRESENT.
- CONTRACTOR SHALL NOT START WORK ON THE PROJECT UNTIL THE PROJECT INSPECTOR IS ASSIGNED TO THE PROJECT AND IS PRESENT ON THE SITE. ANY WORK DONE WITHOUT INSPECTION WILL BE REQUIRED TO BE UNCOVERED FOR INSPECTION.
- THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY DIRECTLY ADJUTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS ADVANCE NOTICE PRIOR TO START OF CONSTRUCTION.
- 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 SURVEYOR IN ACCORDANCE WITH STATE LAWS. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO SITE RESTORATION.
- THE CONTRACTOR SHALL RESTORE ALL DITCHES, SWALES, ROAD SHOULDERS, ENTRANCES, AND BANK LINES TO THEIR ORIGINAL SLOPES AND GRADES EXCEPT AS SHOWN OTHERWISE.
- ALL SERVICES WILL BE RECONNECTED TO THE NEW WATER MAIN BY THE CONTRACTOR AFTER THE NEW WATER MAIN HAS BEEN PLACED IN SERVICE. ALL SERVICES CONTAINING LEAD OR GALVANIZED STEEL PIPE SHALL BE REPLACED. COPPER AND PLASTIC SERVICES ARE TO BE RECONNECTED.
- INTERURBAN TRAFFIC GENERATED OUTSIDE THE PROJECT AREA AND LOCAL BUSINESS OR RESIDENTIAL TRAFFIC GENERATED WITHIN THE PROJECT AREA ARE TO BE CARRIED THROUGH CONSTRUCTION AS FURTHER PROMULGATED BY PROJECT SPECIAL PROVISIONS.
- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES INCLUDING ANY TREES REMOVED AND TREE TRIMMINGS SHALL BE DISPOSED OF ON SITES PROVIDED BY THE CONTRACTOR. THESE SITES SHALL ALSO BE APPROVED OF BY THE ENGINEER AS TO SUITABILITY, APPEARANCE, AND SITE LOCATION. LOCATIONS THAT IN THE OPINION OF THE ENGINEER, LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WILL REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO US CORPS OF ENGINEERS PERMITTING REGULATIONS ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS MAY REQUIRE ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED DISPOSAL LOCATION.
- ALL LAWN/TURF AREAS DISTURBED BY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE RESTORED WITH THE SAME GRASS/SOD AS EXISTING. RESTORATION OF DISTURBED AREAS SHALL INCLUDE, BUT NOT BE LIMITED TO, TOP SOIL PREPARATION, SEEDING, MULCH, AND/OR RESEEDING. ALL SEEDING/SODDING WORK SHALL BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD SPECIFICATIONS AND THE CITY OF WICHITA ADMINISTRATIVE REGULATION NO. A78 WHICH GOVERNS CLEANUP AND RESTORATION OR REPLACEMENT FOLLOWING CONSTRUCTION. ALL COSTS FOR THIS WORK SHALL BE SUBSIDIARY TO THE LUMP SUM PRICE BID FOR "SITE RESTORATION".
- PAVEMENT REMOVAL AND/OR REPLACEMENT WILL BE MEASURED AND PAID FOR ON THE LINEAL FOOT BASIS AS MEASURED ALONG THE CENTERLINE OF THE WATER LINE REGARDLESS OF WIDTH, PAVEMENT TYPE AND/OR PAVEMENT THICKNESS. MINIMUM LIMITS OF SUCH PAVEMENT REMOVAL AND REPLACEMENT SHALL BE ONE FOOT BEYOND THE LIMITS OF THE EXCAVATION MADE FOR THE WATER LINE OR THE STRUCTURE, EXCEPT WHEN SUCH SAW CUTS ARE WITHIN THREE (3) FEET OF AN EXISTING JOINT. REMOVAL AND REPLACEMENT OF EXISTING PAVEMENT SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE CITY OF WICHITA STANDARD SPECIFICATIONS.



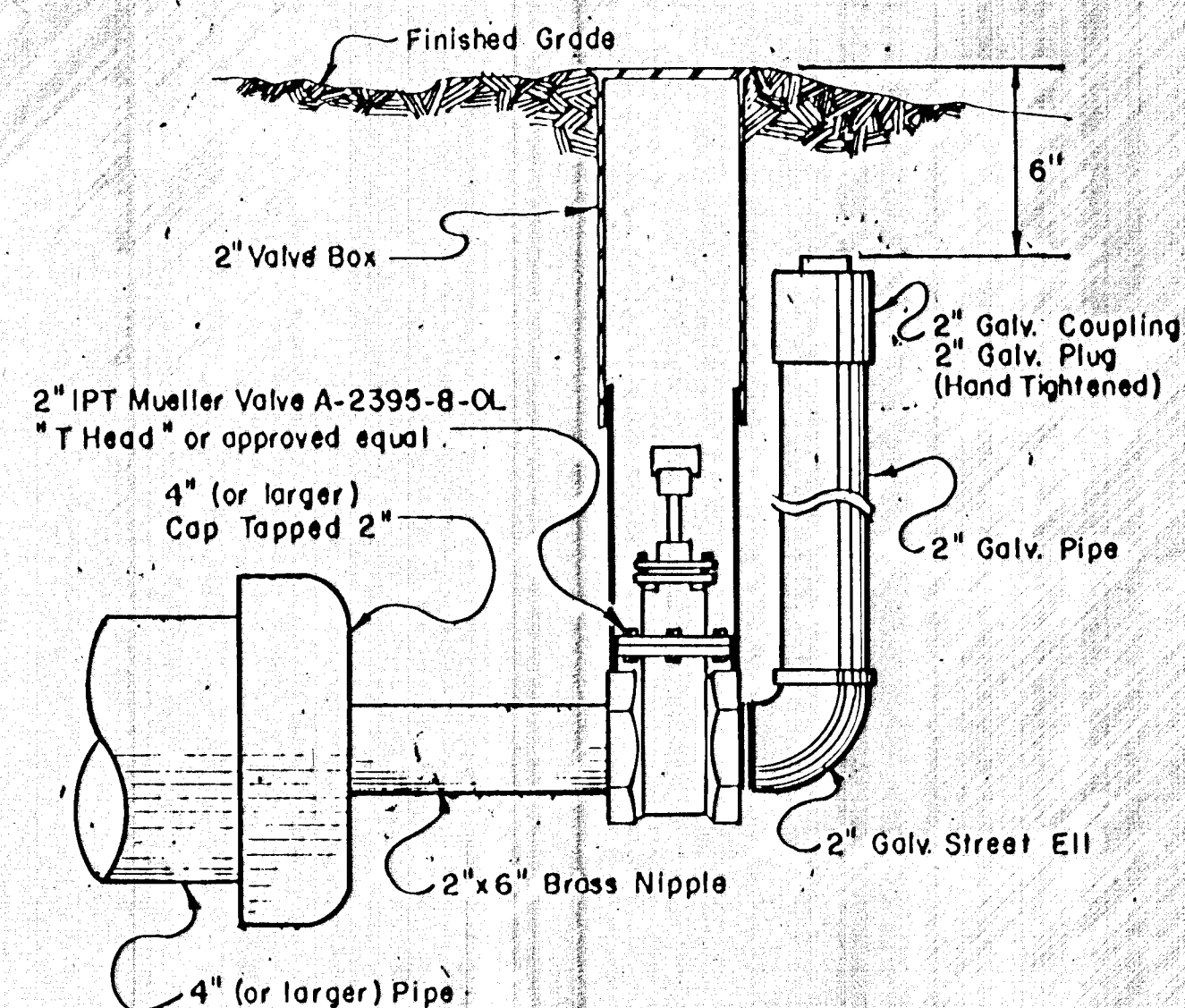
|                                                           |                               |                               |      |
|-----------------------------------------------------------|-------------------------------|-------------------------------|------|
| CITY OF WICHITA PROJECT NO. 448-88819                     |                               |                               |      |
| CITY OF WICHITA<br>WATER DISTRIBUTION SYSTEM IMPROVEMENTS |                               |                               |      |
| KEY MAP<br>AND<br>PLAT DATA                               |                               |                               |      |
| CASTLE & ASSOCIATES<br>ENGINEERS<br>WICHITA, KANSAS       | DSG<br>DR S.L.O.<br>CH<br>APP | DWG FILE NO.<br>9426F-D-90167 | REV. |
| DATE: JUNE, 1994                                          |                               | SHEET NO 2 OF 2               |      |



- MATERIALS LIST**
- 1- MJ Anchor Tee (1" D" x 6")
  - 1- 6" MJ Gate Valve
  - 1- 6" Valve Box
  - 6" DICT SJ Pipe (Length Variable)
  - 1 Fire Hydrant
  - Concrete Blocking (As Needed)

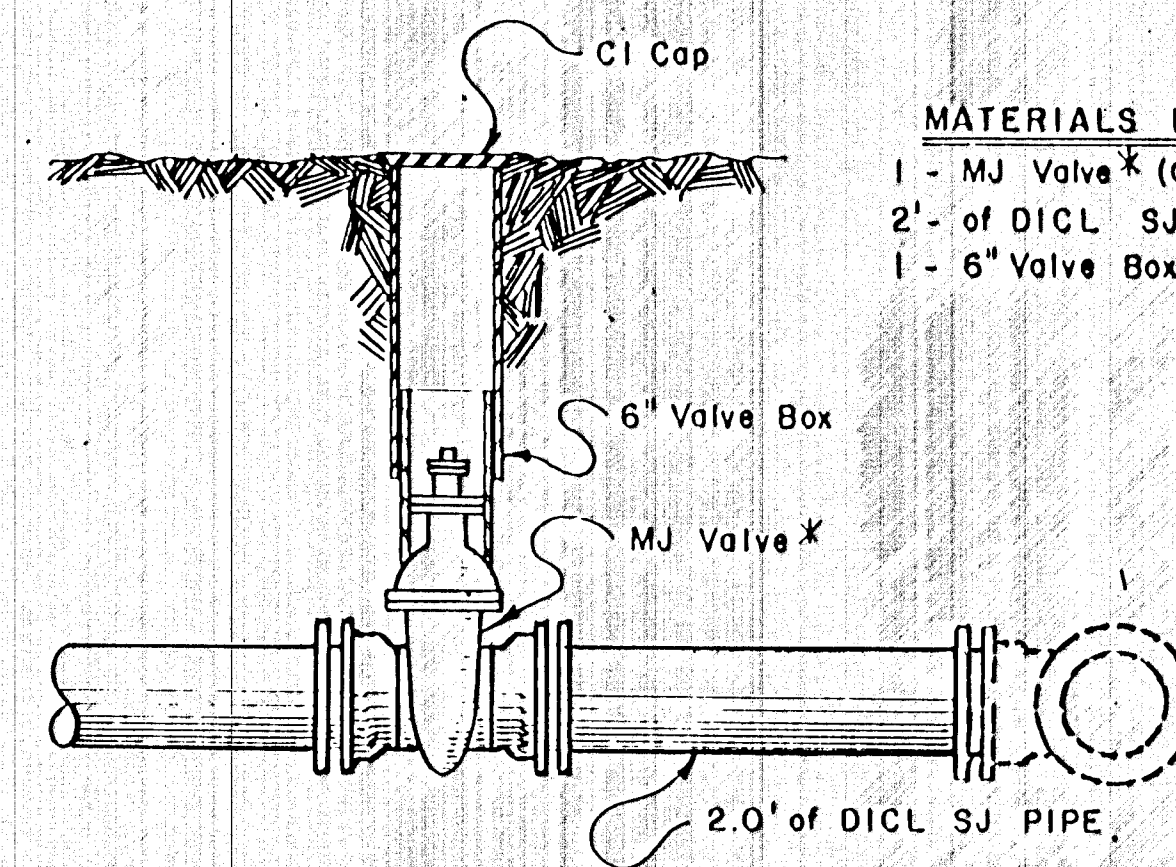
**FIRE HYDRANT ASSEMBLY**

| *FIRE HYDRANTS REQUIRED |         |                     |                       |                            |
|-------------------------|---------|---------------------|-----------------------|----------------------------|
| LINE NO.                | STATION | BURY LINE ELEVATION | TOP OF PIPE ELEVATION | FIRE HYDRANT BURY REQUIRED |
| 1                       | 0+83    | 109.35              | 104.83                | 4.5                        |
| 1                       | 3+84    | 109.49              | 104.85                | 5.0                        |
|                         |         |                     |                       |                            |
|                         |         |                     |                       |                            |
|                         |         |                     |                       |                            |
|                         |         |                     |                       |                            |



- MATERIALS LIST**
- 1- 2" Valve Box
  - 1- CIMJ Cap
  - 1- 2" x 6" Brass Nipple
  - 1- 2" IPT Mueller Valve A-2395-B-OL
  - "T Head" or approved equal
  - 1- 2" Galv. Street Ell
  - 2" Galv. Pipe (as required)
  - 1- 2" Galv. Coupling
  - 1- 2" Galv. Plug (Hand Tightened)

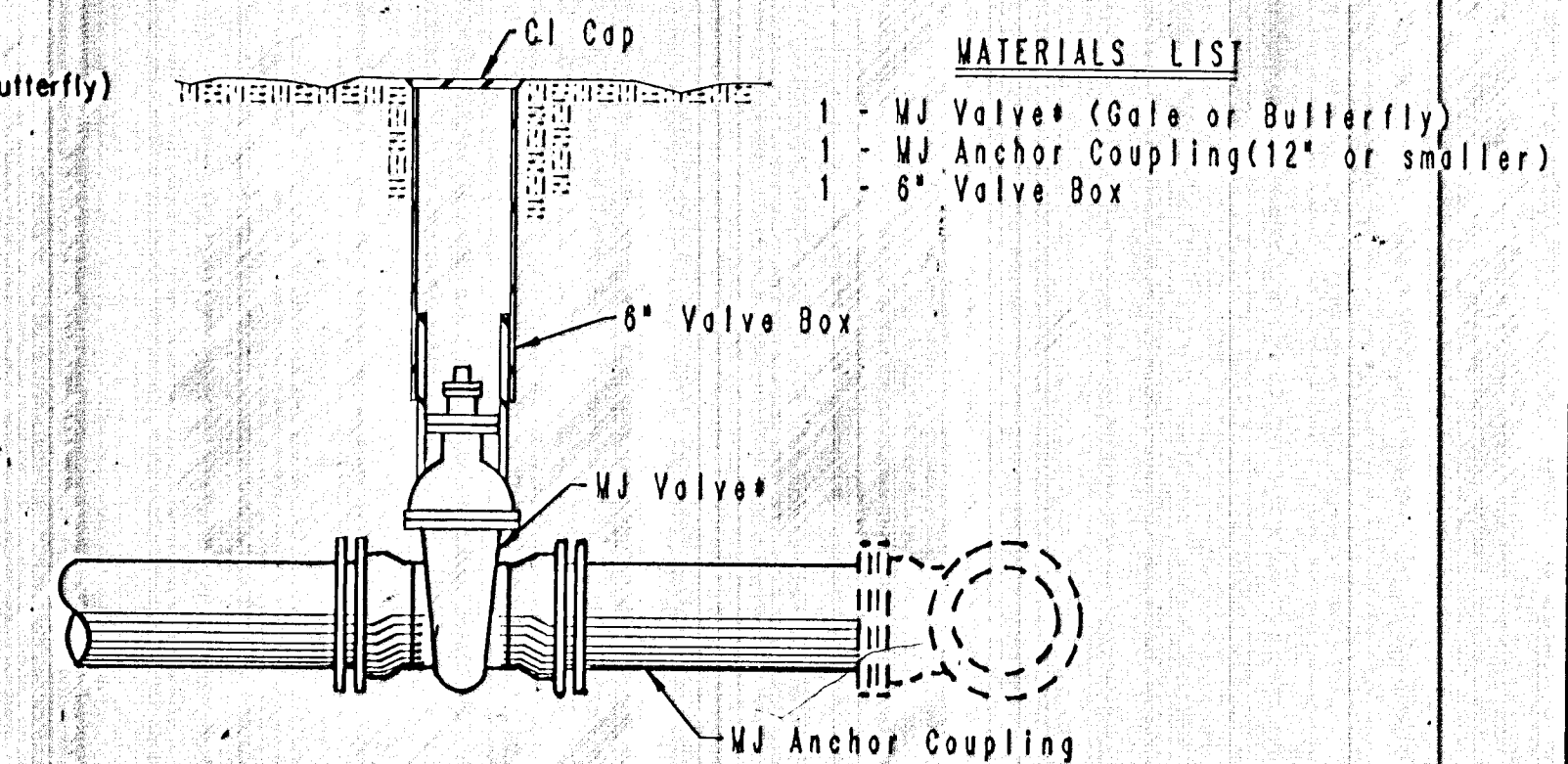
**2" BLOWOFF ASSEMBLY**



- MATERIALS LIST**
- 1- MJ Valve\* (Gate or Butterfly)
  - 2'- of DICT SJ Pipe
  - 1- 6" Valve Box

**VALVE ASSEMBLY**

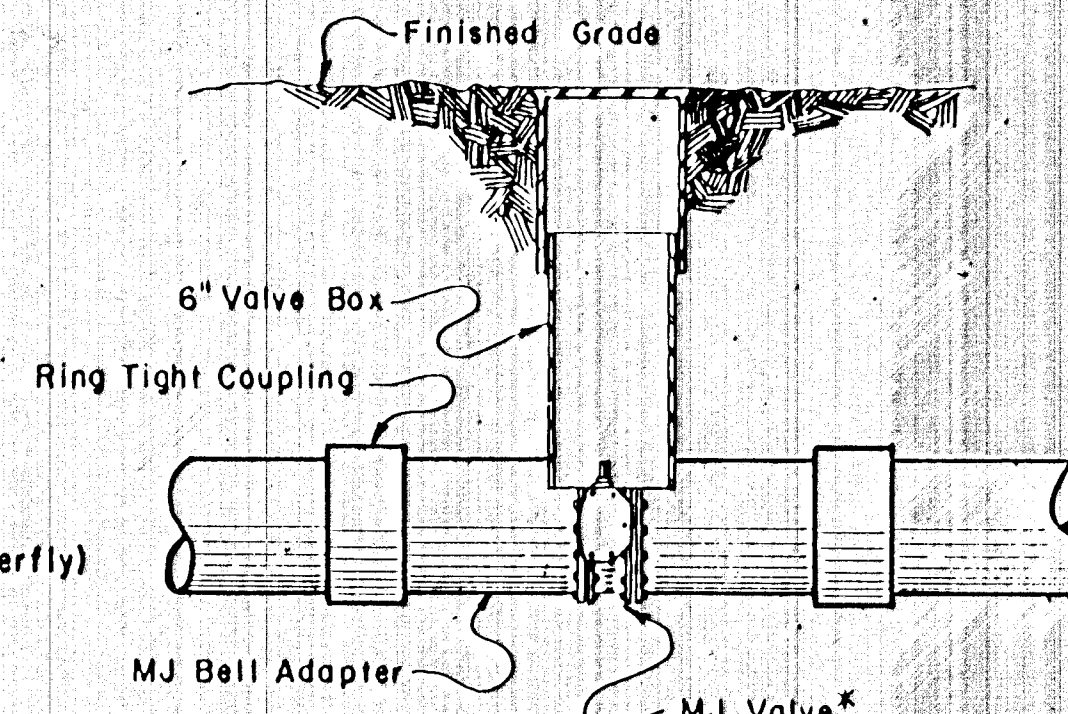
\*See plans for the type of valve to be used.



- MATERIALS LIST**
- 1- MJ Valve\* (Gate or Butterfly)
  - 1- MJ Anchor Coupling (12" or smaller)
  - 1- 6" Valve Box

**ANCHORED VALVE ASSEMBLY**

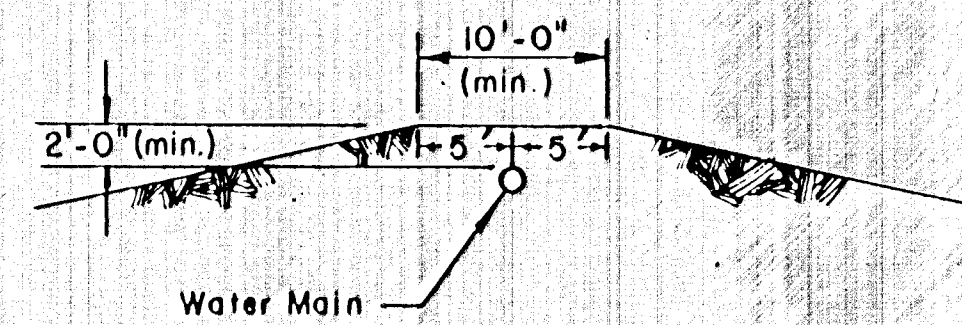
\*See plans for type of valve to be used.



- MATERIALS LIST**
- 1- MJ Valve\* (Gate or Butterfly)
  - 1- 6" Valve Box
  - 2- Ring Tight Couplings
  - 2- MJ Bell Adaptors

**LINE VALVE ASSEMBLY**

\*See plans for the type of valve to be used.



**PROTECTIVE FILL DETAIL**

MINIMUM PROTECTIVE FILL SHALL BE PROVIDED IN ALL INSTANCES WHERE COVER OVER THE PROPOSED WATER LINE IS LESS THAN TWO (2) FEET. (COST SUBSIDIARY TO PIPE INSTALLATION.)

Revised 2-17-1988 C.O.W. PROJECT NO. 448-88819

**STANDARD WATER ASSEMBLY DETAILS**  
CITY OF WICHITA, KANSAS

JANUARY, 1987  
DWG. FILE NO 9426F-D-90,069

SHEET  
3 OF  
4