

MISSOURI WEST  
WATER SYSTEM

INDEX

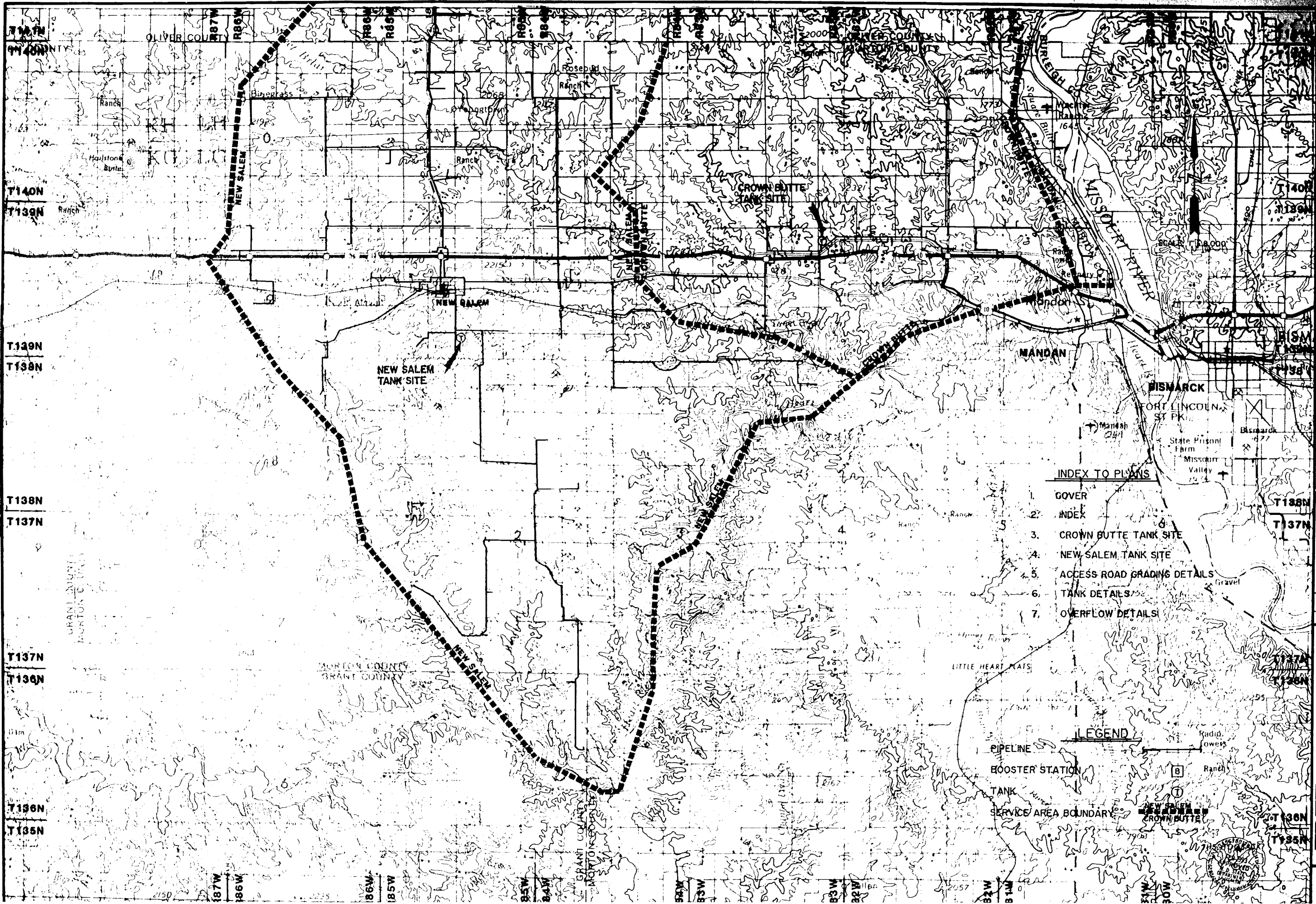
INDEX TO PLANS

- 1. COVER
- 2. INDEX
- 3. CROWN BUTTE TANK SITE
- 4. NEW SALEM TANK SITE
- 5. ACCESS ROAD GRADING DETAILS
- 6. TANK DETAILS
- 7. OVERFLOW DETAILS

28

| NO. | DESCRIPTION | DATE    |
|-----|-------------|---------|
| 1   | 1/12/22     | 2/12/22 |
| 2   |             |         |
| 3   |             |         |
| 4   |             |         |
| 5   |             |         |
| 6   |             |         |
| 7   |             |         |

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**LEGEND**

- PIPELINE
- BOOSTER STATION
- TANK
- SERVICE AREA BOUNDARY
- RADIO TOWERS
- RANCH
- NEW SALEM TANK SITE
- CROWN BUTTE TANK SITE

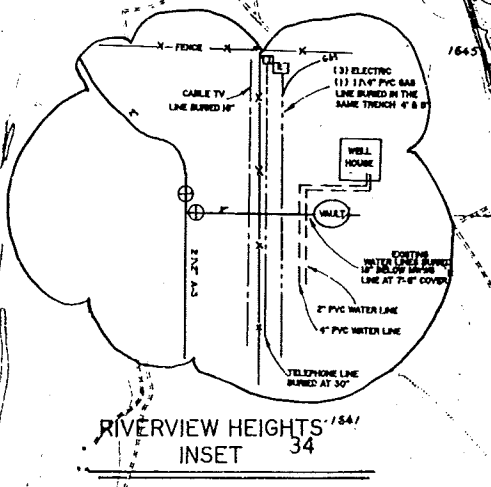
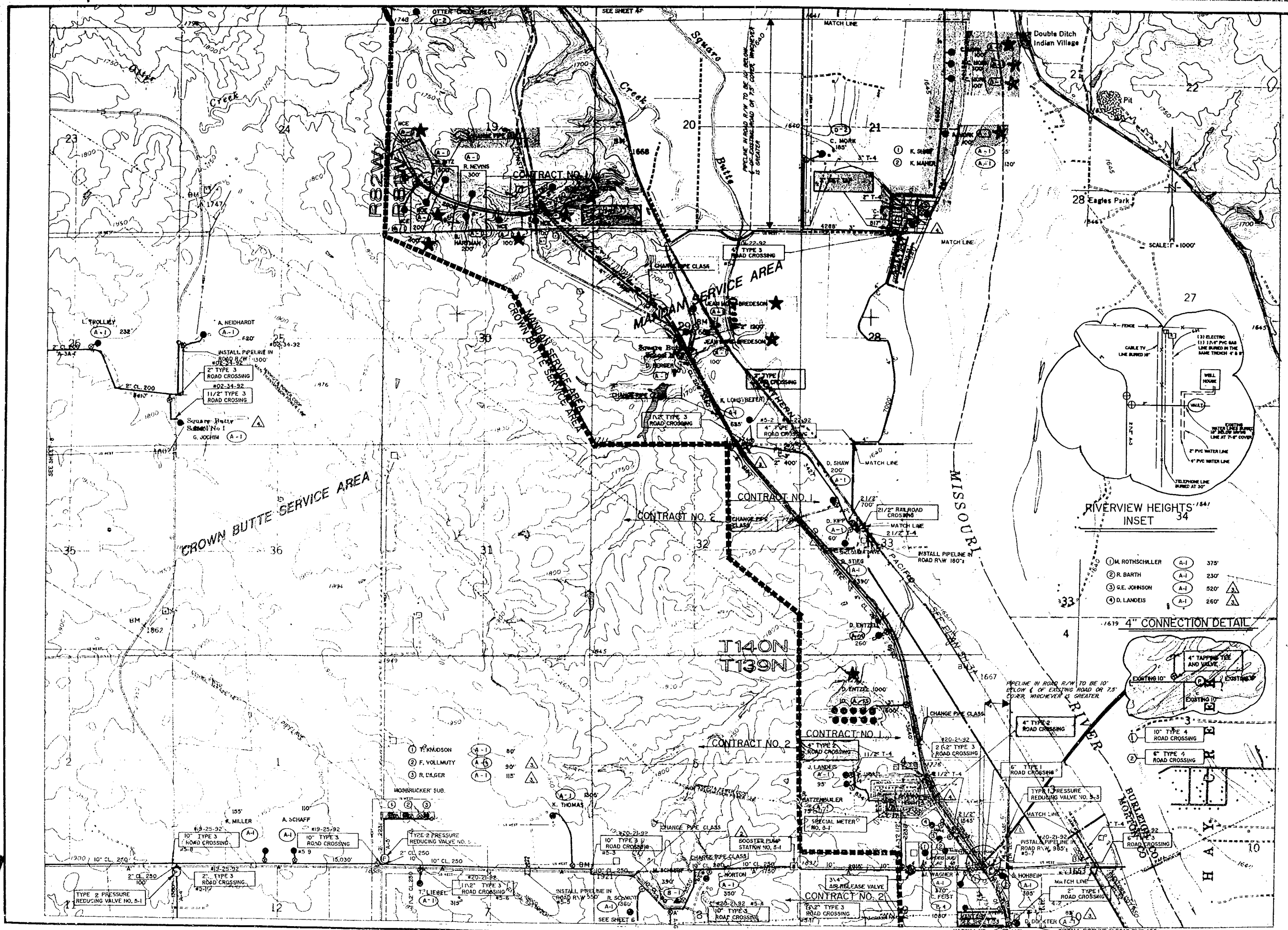
**MISSOURI WEST WATER SYSTEM**

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Engineers, Inc.

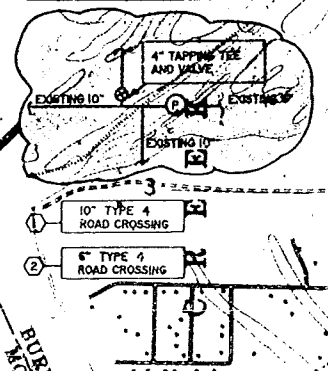


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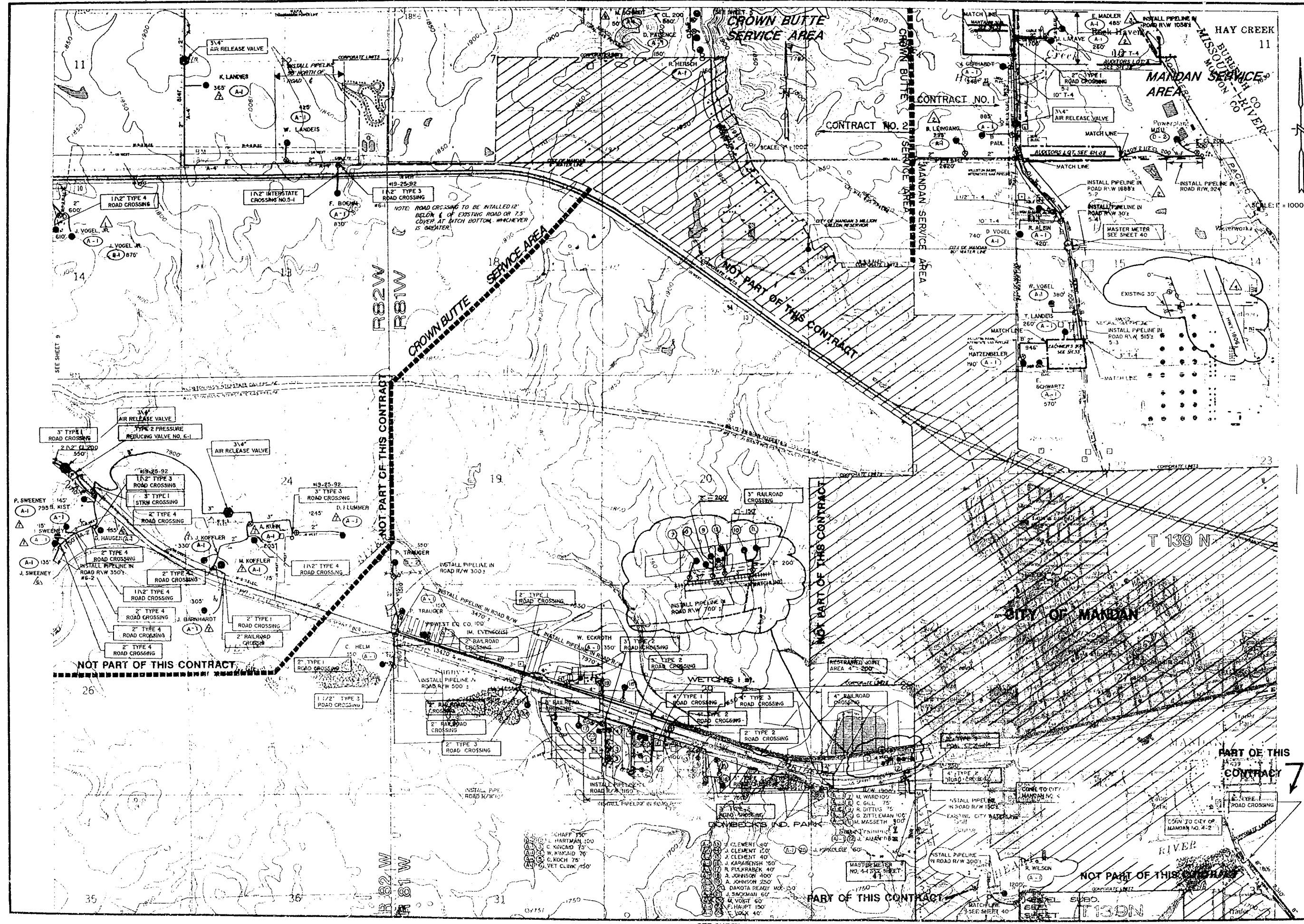
|                   |     |      |
|-------------------|-----|------|
| ① M. ROTHSCHILLER | A-1 | 375' |
| ② R. BARTH        | A-1 | 230' |
| ③ G.E. JOHNSON    | A-1 | 520' |
| ④ D. LANDEIS      | A-1 | 260' |

1619 4" CONNECTION DETAIL



- ① T. JOHNSON (A-1) 80'
  - ② F. VOLLMUTY (A-1) 90'
  - ③ R. DALGER (A-1) 115'
- MOSBRUCKER SUB.
- ① ② ③
- ① K. MILLER (A-1) 155'
  - ② A. SCHAFF (A-1) 110'
  - ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿

MISSOURI WEST WATER SYSTEM  
 S1/2 HARMON  
 BARTLETT & WEST ENGINEERS, INC.  
 5  
 5045



MISSOURI WEST  
 WATER SYSTEM

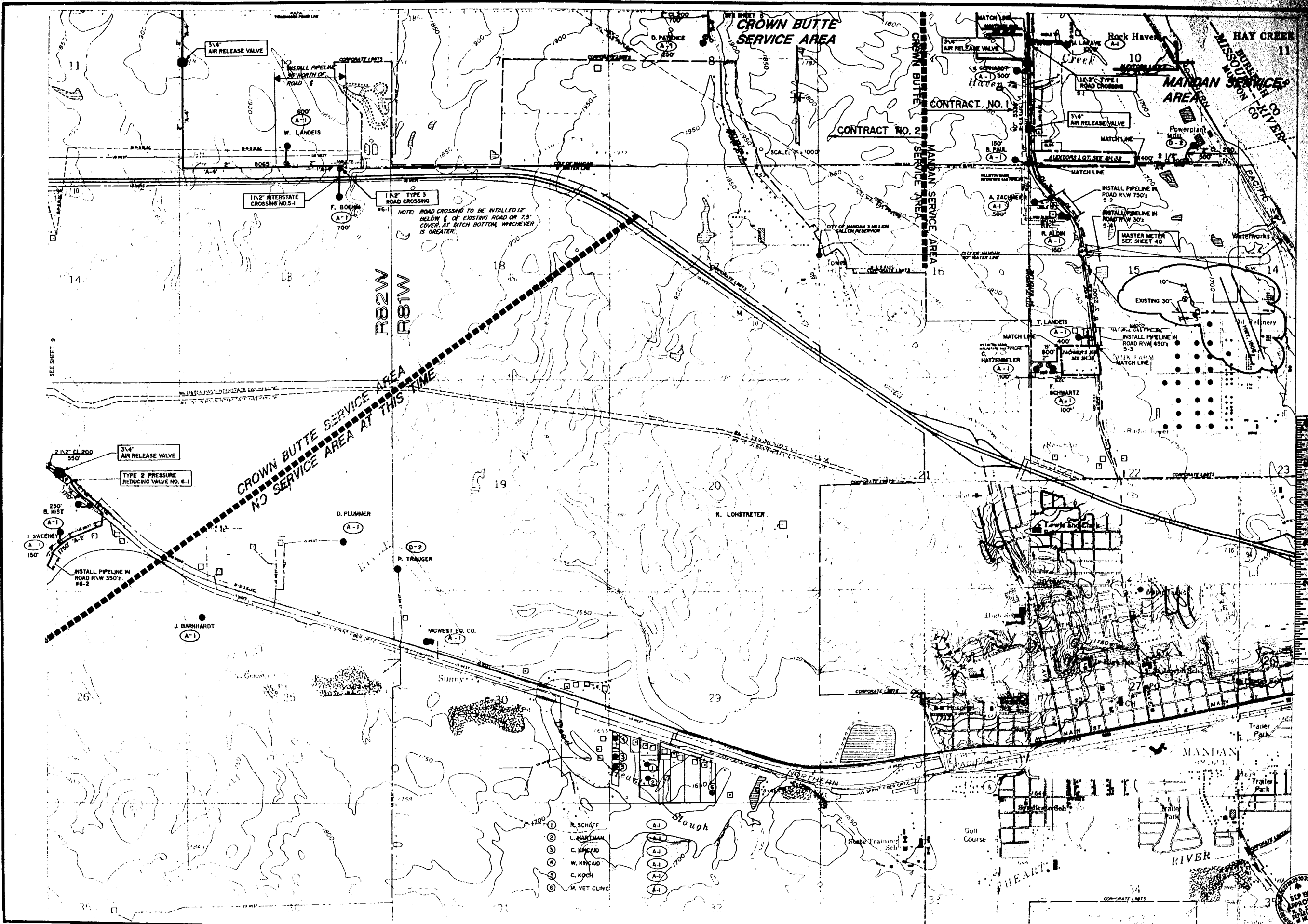
N1/2 MANDAN

|                    |         |
|--------------------|---------|
| NO. OF SHEETS      | 4       |
| NO. OF SHEETS USED | 4       |
| DATE               | 3/19/97 |

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CROWN BUTTE SERVICE AREA  
 NO SERVICE AREA AT THIS TIME

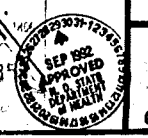
NOTE: ROAD CROSSING TO BE INSTALLED 12"  
 BELOW E OF EXISTING ROAD OR 7.5'  
 COVER AT DITCH BOTTOM, WHICHEVER  
 IS GREATER.

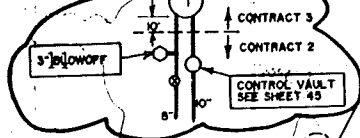
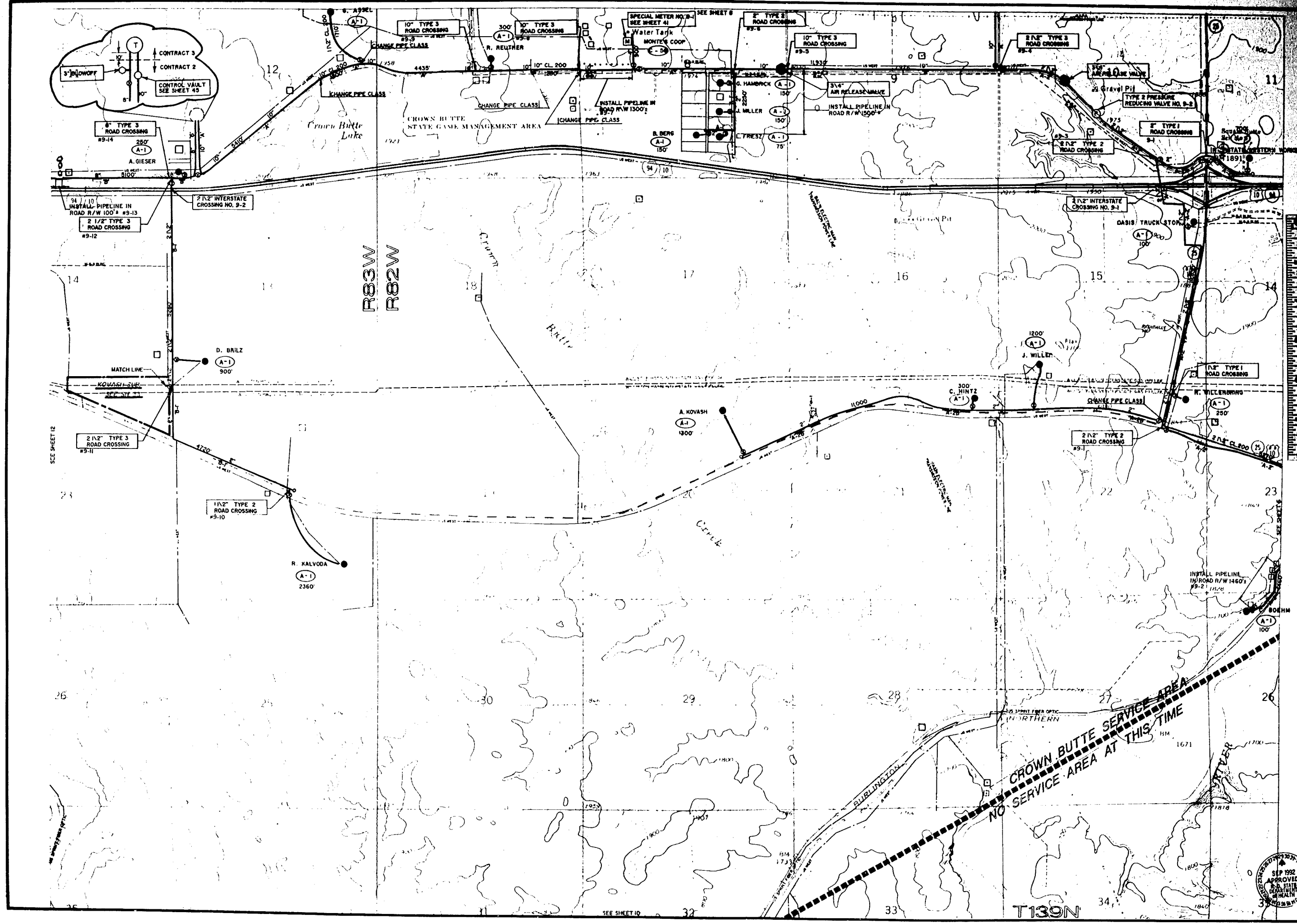
- 1 R. SCHÄFF
- 2 L. MARYMAN
- 3 C. KIRKAD
- 4 W. KIRKAD
- 5 C. KOCH
- 6 M. VET CLUNG

MISSOURI WEST WATER SYSTEM

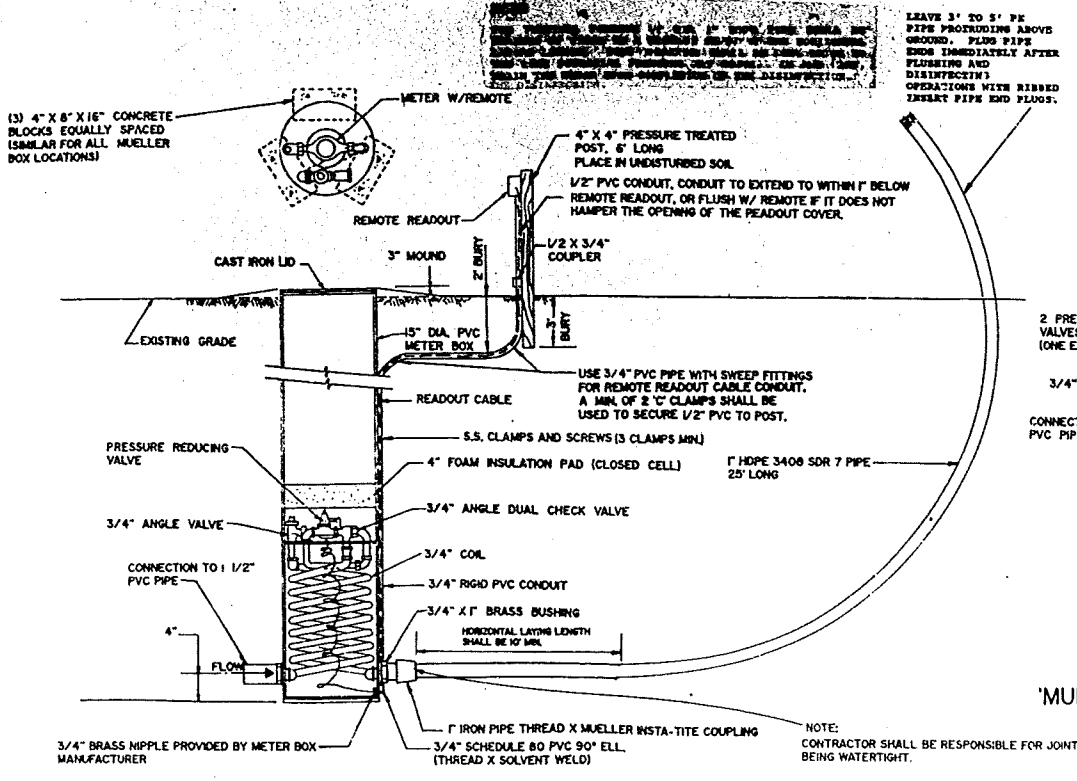
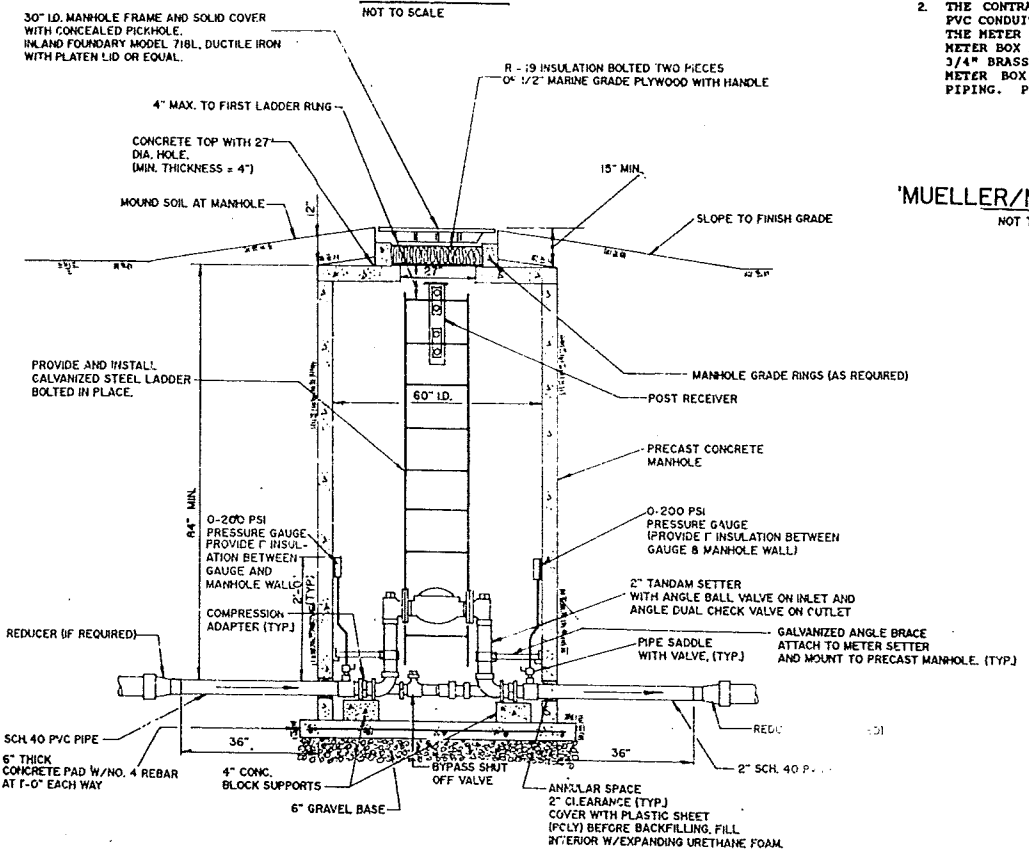
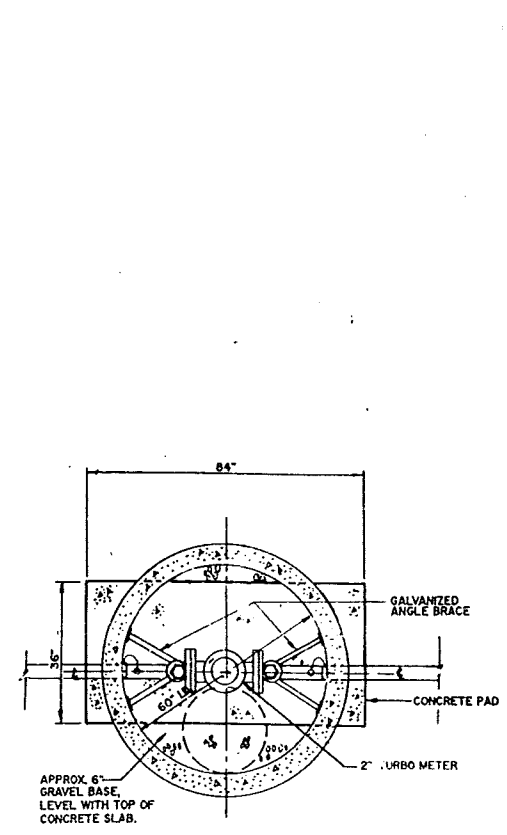
N1/2 MANDAN

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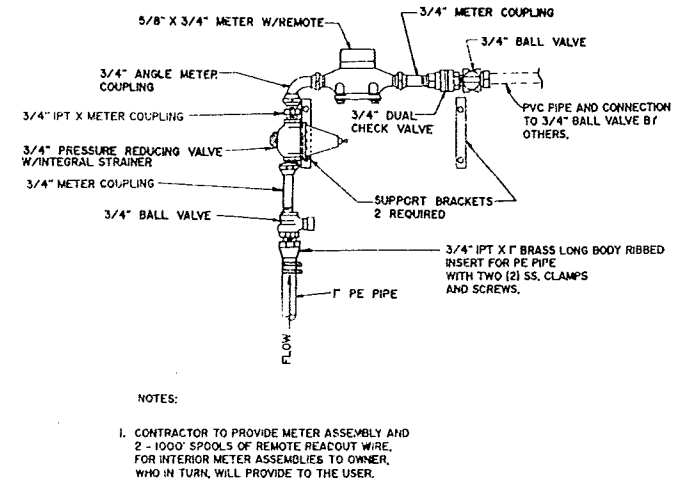
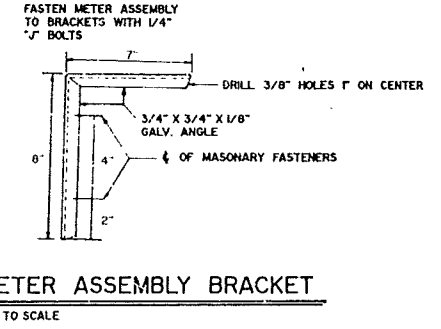
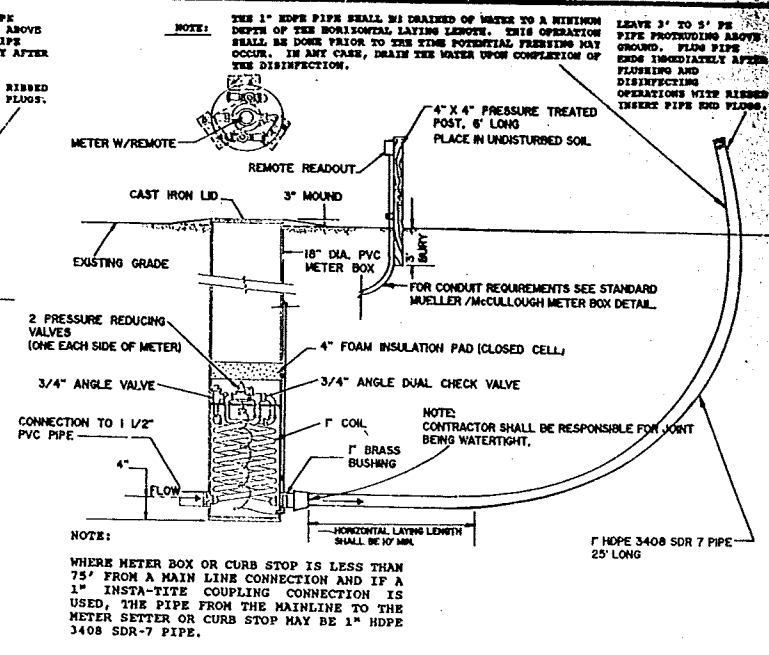




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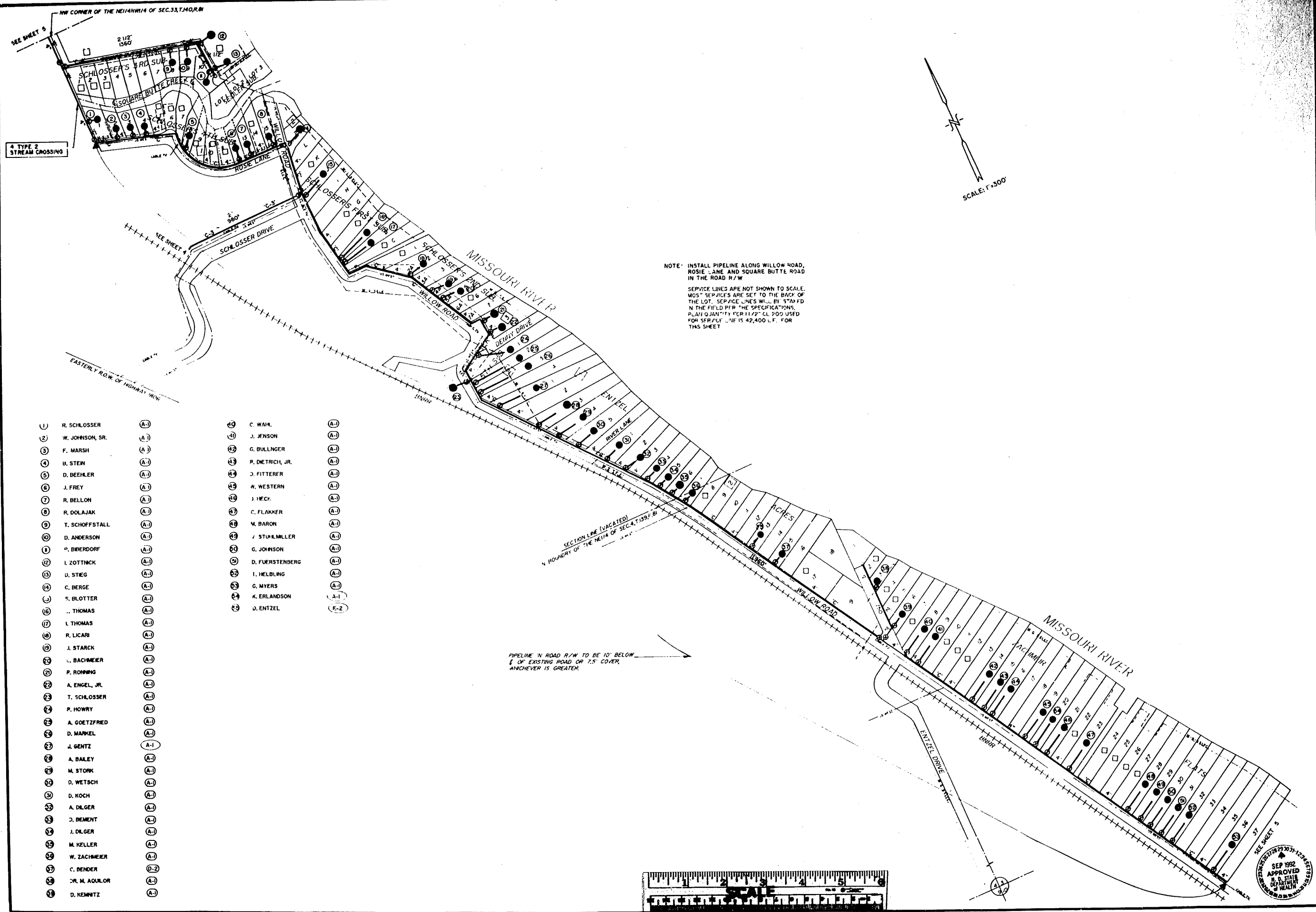


- NOTE:** CONTRACTOR SHALL BE RESPONSIBLE FOR JOINT BEING WATERTIGHT.
- WHERE METER BOX OR CURB STOP IS LESS THAN 75' FROM A MAIN LINE CONNECTION AND IF A 1" INSTA-TITE COUPLING CONNECTION IS USED, THE PIPE FROM THE MAINLINE TO THE METER SETTER OR CURB STOP MAY BE 1" HDPE 3408 SDR-7 PIPE.
  - THE CONTRACTOR SHALL INSTALL THE RIGID PVC CONDUIT AND SECURE TO THE EXTERIOR OF THE METER BOX PRIOR TO BACKFILLING. THE METER BOX MANUFACTURER SHALL PROVIDE THE 3/4" BRASS NIPPLE NEAR THE BOTTOM OF THE METER BOX ADJACENT TO THE EXIT WATER PIPING. PROTECT NIPPLE DURING SHIPPING.



Best Copy AVAILABLE





4 TYPE 2 STREAM CROSSING

NOTE: INSTALL PIPELINE ALONG WILLOW ROAD, ROSIE LANE AND SQUARE BUTTE ROAD IN THE ROAD R/W

SERVICE LINES ARE NOT SHOWN TO SCALE. MOST SERVICE LINES ARE SET TO THE BACK OF THE LOT. SERVICE LINES WILL BE STAFFED IN THE FIELD PER THE SPECIFICATIONS. PLAN QUANTITY FOR 1 1/2" CL 200 USED FOR SERVICE LINE IS 42,400 L.F. FOR THIS SHEET

PIPELINE IN ROAD R/W TO BE 10' BELOW 1/4" OF EXISTING ROAD OR 7.5' COVER, WHICHEVER IS GREATER.

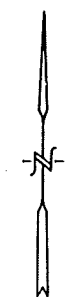
- |                   |       |                     |       |
|-------------------|-------|---------------------|-------|
| 1 R. SCHLOSSER    | (A-1) | 10 C. WAHL          | (A-1) |
| 2 W. JOHNSON, SR. | (A-1) | 11 J. JENSON        | (A-1) |
| 3 F. MARSH        | (A-1) | 12 G. BULLINGER     | (A-1) |
| 4 B. STEM         | (A-1) | 13 P. DIETRICH, JR. | (A-1) |
| 5 D. BEEHLER      | (A-1) | 14 J. FITTERER      | (A-1) |
| 6 J. FREY         | (A-1) | 15 H. WESTERN       | (A-1) |
| 7 R. BELLON       | (A-1) | 16 J. HECK          | (A-1) |
| 8 R. DOLAJAK      | (A-1) | 17 C. FLAKKER       | (A-1) |
| 9 T. SCHOFFSTALL  | (A-1) | 18 M. BARON         | (A-1) |
| 10 D. ANDERSON    | (A-1) | 19 J. STUMMLER      | (A-1) |
| 11 P. BIBERDORF   | (A-1) | 20 G. JOHNSON       | (A-1) |
| 12 L. ZOTTINCK    | (A-1) | 21 D. FUERSTENBERG  | (A-1) |
| 13 U. STIEG       | (A-1) | 22 I. HELBLING      | (A-1) |
| 14 C. BERGE       | (A-1) | 23 G. MYERS         | (A-1) |
| 15 S. BLOTTER     | (A-1) | 24 K. ERLANDSON     | (A-1) |
| 16 ... THOMAS     | (A-1) | 25 J. ENTZEL        | (F-2) |
| 17 I. THOMAS      | (A-1) |                     |       |
| 18 R. LICARI      | (A-1) |                     |       |
| 19 J. STARCK      | (A-1) |                     |       |
| 20 ... BACHMEIER  | (A-1) |                     |       |
| 21 P. RONNING     | (A-1) |                     |       |
| 22 A. ENGEL, JR.  | (A-1) |                     |       |
| 23 T. SCHLOSSER   | (A-1) |                     |       |
| 24 P. HOWRY       | (A-1) |                     |       |
| 25 A. GOETZFRIED  | (A-1) |                     |       |
| 26 D. MARKEL      | (A-1) |                     |       |
| 27 J. GENTZ       | (A-1) |                     |       |
| 28 A. BAILEY      | (A-1) |                     |       |
| 29 M. STORK       | (A-1) |                     |       |
| 30 D. WETSCH      | (A-1) |                     |       |
| 31 D. KOCH        | (A-1) |                     |       |
| 32 A. DILGER      | (A-1) |                     |       |
| 33 J. BEMENT      | (A-1) |                     |       |
| 34 J. DILGER      | (A-1) |                     |       |
| 35 M. KELLER      | (A-1) |                     |       |
| 36 W. ZACHMEIER   | (A-1) |                     |       |
| 37 C. BENDER      | (F-2) |                     |       |
| 38 DR. M. ADOLPH  | (A-1) |                     |       |
| 39 D. KEMNTZ      | (A-1) |                     |       |

**MISSOURI WEST WATER SYSTEM**

**SUBDIVISIONS**  
SCHLOSSER, ENTZEL ACRES & ZACHMEIER FLATS

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Engineers, Inc.



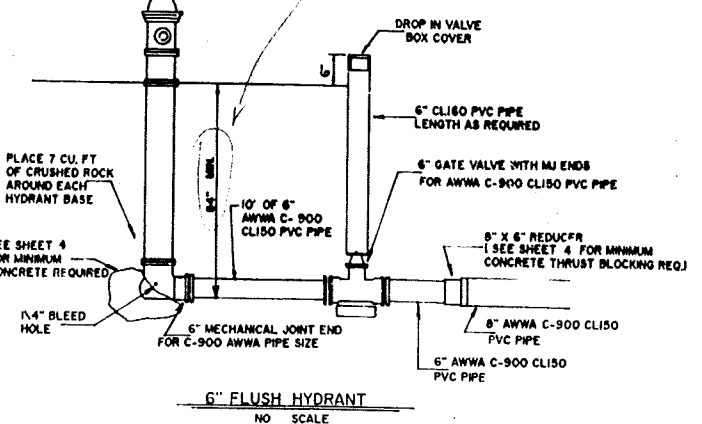


SCALE: 1" = 200'

WEST QUARTER CORNER SEC. 3, T139N, R.80W.

6" FLUSH HYDRANT SEE THIS SHEET

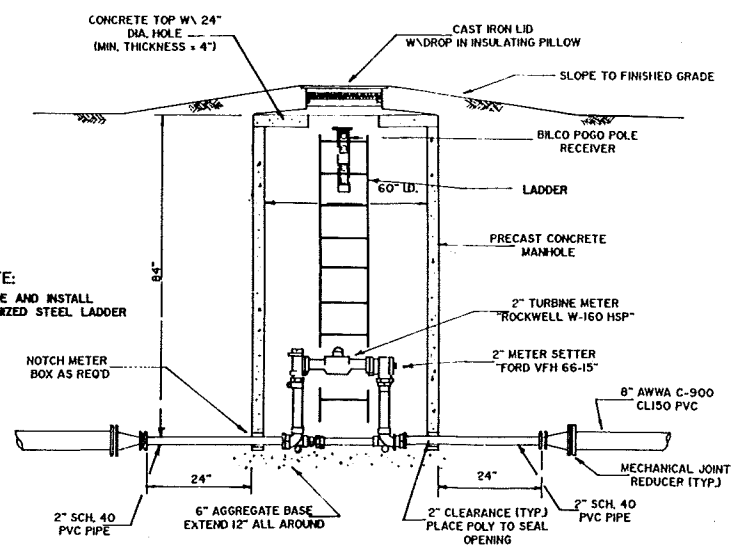
FLUSH HYDRANT WITH 4" PLUMBER NOZZLE AND 2 1/2" HOSE NOZZLES (STANDARD THREADS REQ.)



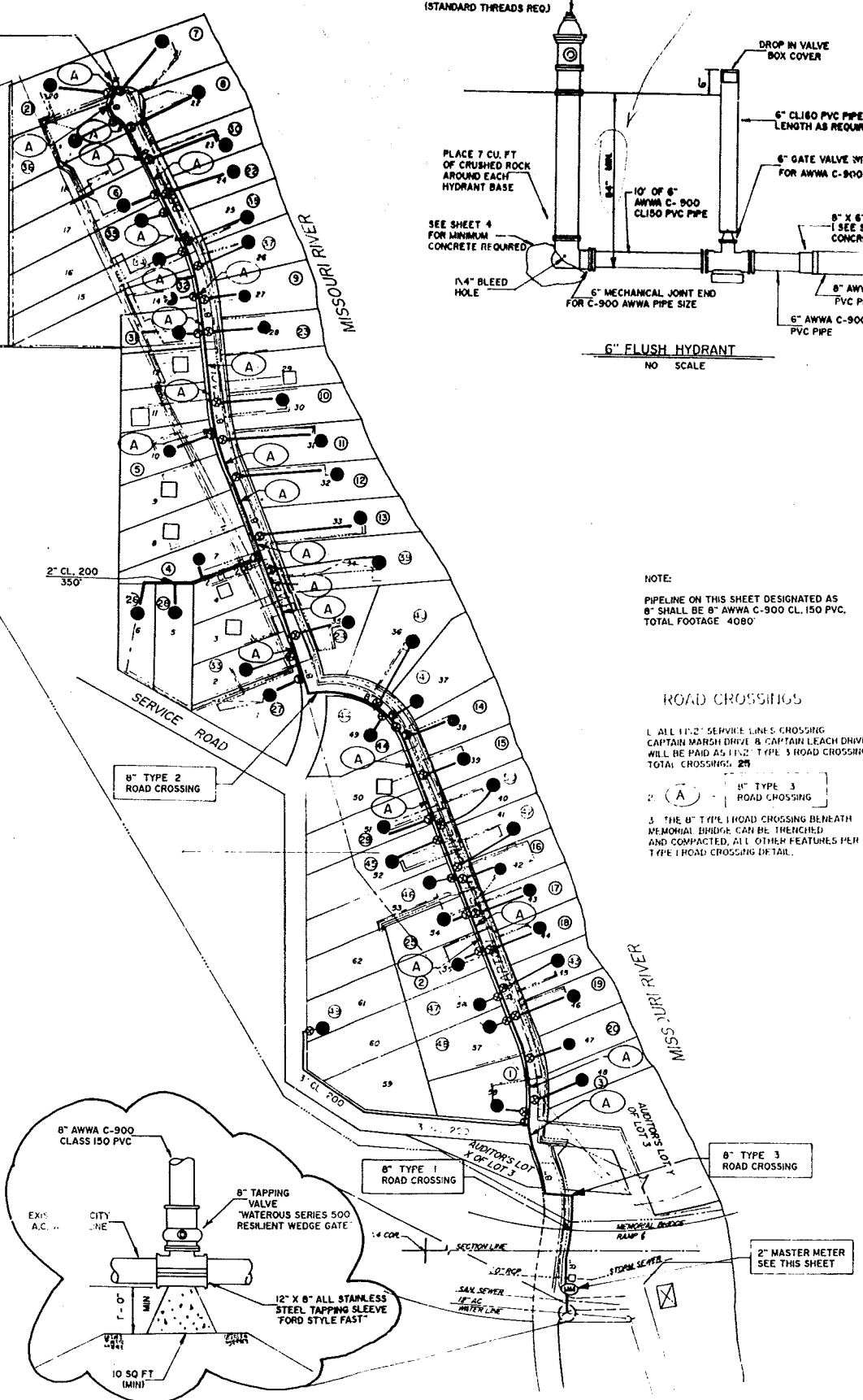
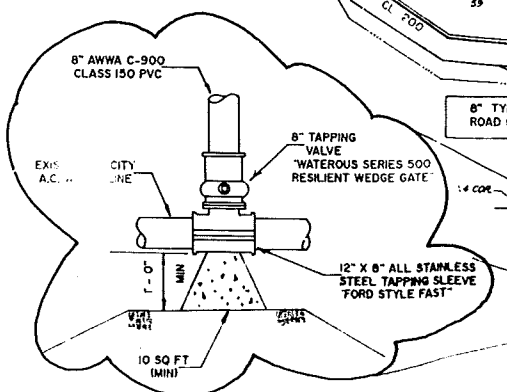
NOTE:  
PIPELINE ON THIS SHEET DESIGNATED AS 8" SHALL BE 8" AWWA C-900 CL150 PVC. TOTAL FOOTAGE 4080'

ROAD CROSSINGS

- ALL 11/2" SERVICE LINES CROSSING CAPTAIN MARSH DRIVE & CAPTAIN LEACH DRIVE WILL BE PAID AS 1 1/2" TYPE 3 ROAD CROSSING TOTAL CROSSINGS 29
- 8" TYPE 3 ROAD CROSSING
- THE 8" TYPE 1 ROAD CROSSING BENEATH MEMORIAL BRIDGE CAN BE TRENCHED AND COMPACTED, ALL OTHER FEATURES PER TYPE 1 ROAD CROSSING DETAIL.



2" MASTER METER  
NO SCALE



FILITY LEGEND

- 100' BURIED ELEC. -----
- 100' BURIED GAS -----
- 100' BURIED 10" HP GAS -----
- 100' T.V. BURIED -----
- 100' AT ST. BURIED -----
- 100' WEST ELEC. BURIED -----

|    |                  |     |      |
|----|------------------|-----|------|
| 1  | M. VETTER        | A-1 | 70'  |
| 2  | D. WENTZ         | A-1 | 60'  |
| 3  | D. MESSMER       | A-1 | 140' |
| 4  | C. PEDERSON      | A-1 | 130' |
| 5  | R. PETERS        | A-1 | 130' |
| 6  | T. PETERS        | A-1 | 80'  |
| 7  | D. LANGE         | A-1 | 160' |
| 8  | D. LARSON        | A-1 | 210' |
| 9  | K. HARTZ         | A-1 | 110' |
| 10 | G. ANDERSON      | A-1 | 180' |
| 11 | H. HAUS          | A-1 | 270' |
| 12 | R. MORRISON      | A-1 | 270' |
| 13 | C. WAGNER        | A-1 | 300' |
| 14 | D. HAUS          | A-1 | 140' |
| 15 | J. WERNER        | A-1 | 120' |
| 16 | B. WHEELER       | A-1 | 110' |
| 17 | H. THIEL         | A-1 | 160' |
| 18 | W. BURESH        | A-1 | 160' |
| 19 | J. WOLFE         | A-1 | 180' |
| 20 | J. HELM          | A-1 | 120' |
| 21 | A. KRAFT         | A-1 | 170' |
| 22 | D. HASTINGS      | A-1 | 200' |
| 23 | S. DUEMELAND     | A-1 | 150' |
| 24 | J. MILLER        | A-1 | 150' |
| 25 | ZANDER           | A-1 | 60'  |
| 26 | H. WENTZ         | A-1 | 80'  |
| 27 | D. DINEEN        | A-1 | 100' |
| 28 | D. DINEEN        | E-1 | 70'  |
| 29 | C. (BUD) FATELEY | A-1 | 130' |
| 30 | C. TRACY         | A-1 | 230' |
| 31 | F. RIOS          | A-1 | 60'  |
| 32 | E. BIRKMAIER     | A-1 | 70'  |
| 33 | S. FETCH         | A-1 | 130' |
| 34 | A. FLECK         | A-1 | 70'  |
| 35 | DEVELOPER LOT    | E-1 | 60'  |
| 36 | D. ERHARDT       | A-1 | 120' |
| 37 | I. ANDERSON      | A-1 | 170' |
| 38 | DR. D. KLIEN     | A-1 | 180' |
| 39 | M. ANDERSON      | A-1 | 320' |
| 40 | B. HRUBY         | A-1 | 200' |
| 41 | DEVELOPERS LOT   | E-1 | 70'  |
| 42 | B. SHALHOOB      | A-1 | 200' |
| 43 | D. REMBOLT       | A-1 | 170' |
| 44 | DEVELOPERS LOT   | A-1 | 60'  |
| 45 | F. FLECK         | A-1 | 140' |
| 46 | DEVELOPERS LOT   | E-1 | 60'  |
| 47 | DEVELOPERS LOT   | E-1 | 50'  |
| 48 | DEVELOPERS LOT   | E-1 | 40'  |
| 49 | DEVELOPERS LOT   | E-4 | 860' |
| 50 | G. WAHL          | A-1 | 200' |

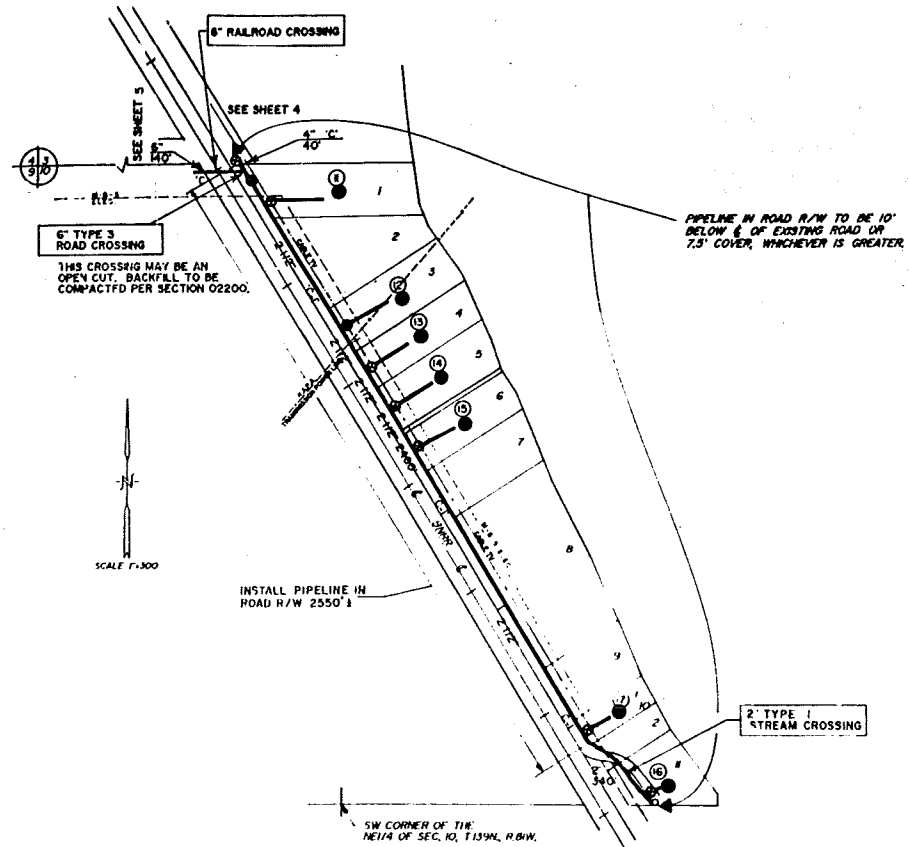


MISSOURI WEST WATER SYSTEM

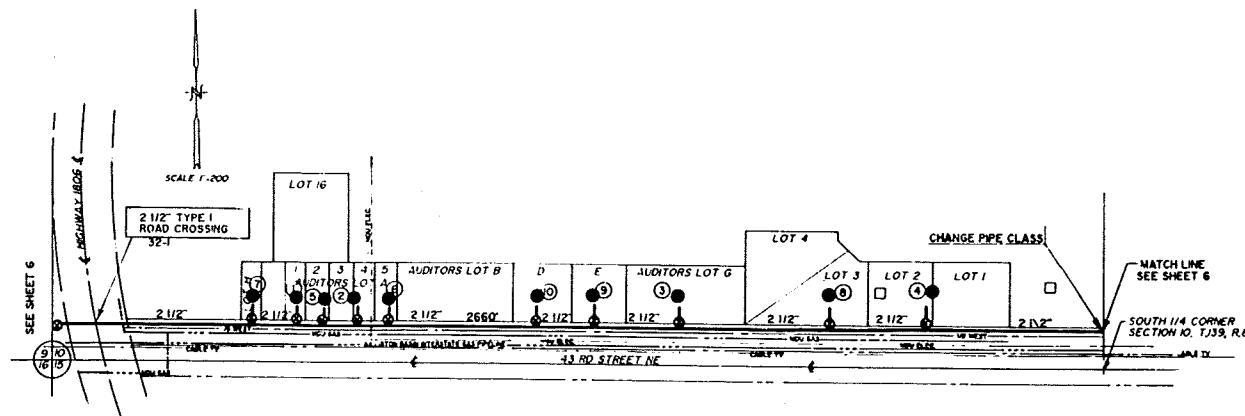
CAPTAINS LANDING TOWNSHIP

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**AUDITORS LOT A**  
PART OF THE N 1/2 OF SEC. 10, T.139N, R.81W.



**AUDITORS LOTS**  
PART OF THE S 1/2 SW 1/4 OF SEC. 10, T.139N, R.81W.

|    |              |    |      |
|----|--------------|----|------|
| 1  | H. NORMAN    | 17 | 140' |
| 2  | H. WELAND    | 18 | 80'  |
| 3  | R. BURNS     | 19 | 80'  |
| 4  | E. VOEL      | 20 | 80'  |
| 5  | D. BECKLER   | 21 | 80'  |
| 6  | W. PERKINS   | 22 | 80'  |
| 7  | A. LINN      | 23 | 80'  |
| 8  | J. VOEL      | 24 | 80'  |
| 9  | D. BOWERS    | 25 | 80'  |
| 10 | D. BOWERS    | 26 | 80'  |
| 11 | W. ZACHMEIER | 27 | 220' |
| 12 | L. ZACHMEIER | 28 | 220' |
| 13 | D. RESSLER   | 29 | 220' |
| 14 | J. DETZ      | 30 | 220' |
| 15 | J. ZACHMEIER | 31 | 220' |
| 16 | L. HELM      | 32 | 100' |
| 17 | M. PRESZLER  | 33 | 140' |



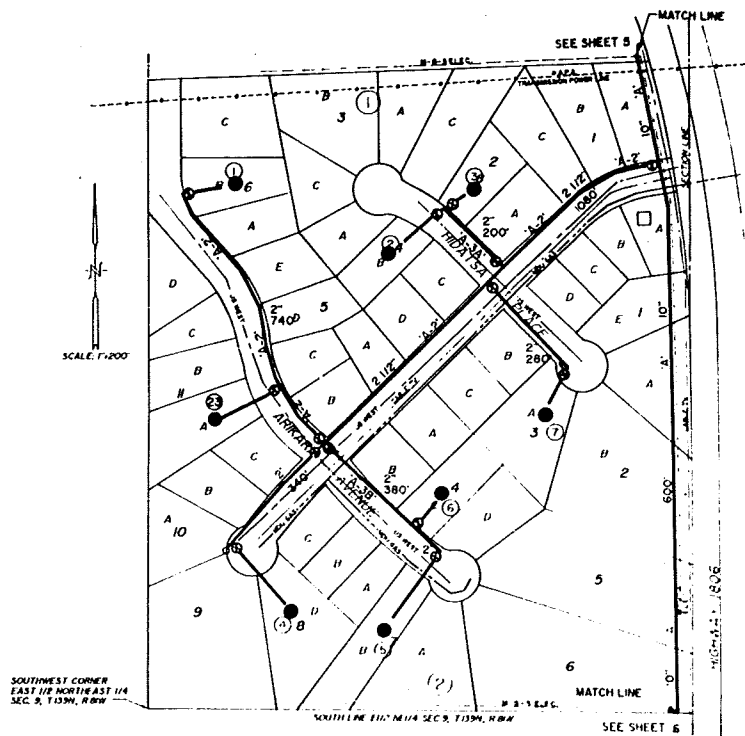
MISSOURI WEST WATER SYSTEM

AUDITORS LOTS

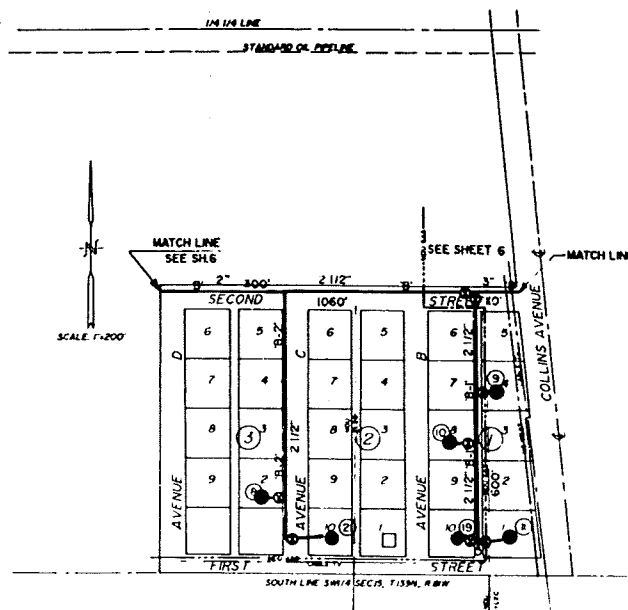
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MISSOURI DEPARTMENT  
OF HEALTH



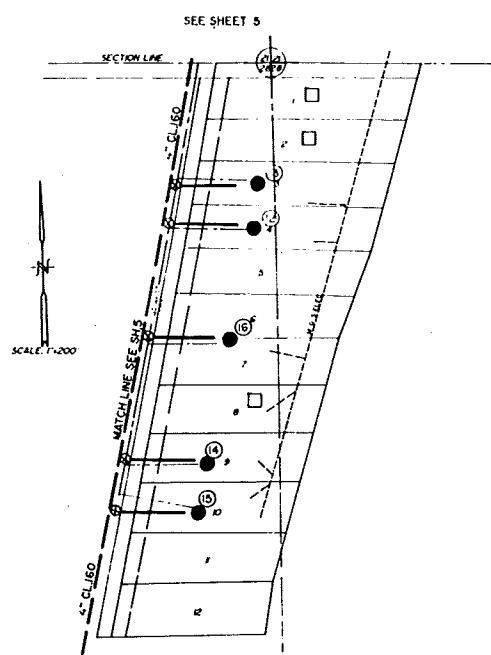
**MANTAHNI**  
PART OF THE E1/2 NE1/4 OF SEC. 9, T.139N., R.81W.  
(TO BE CONSTRUCTED UNDER CONTRACT NO.1)



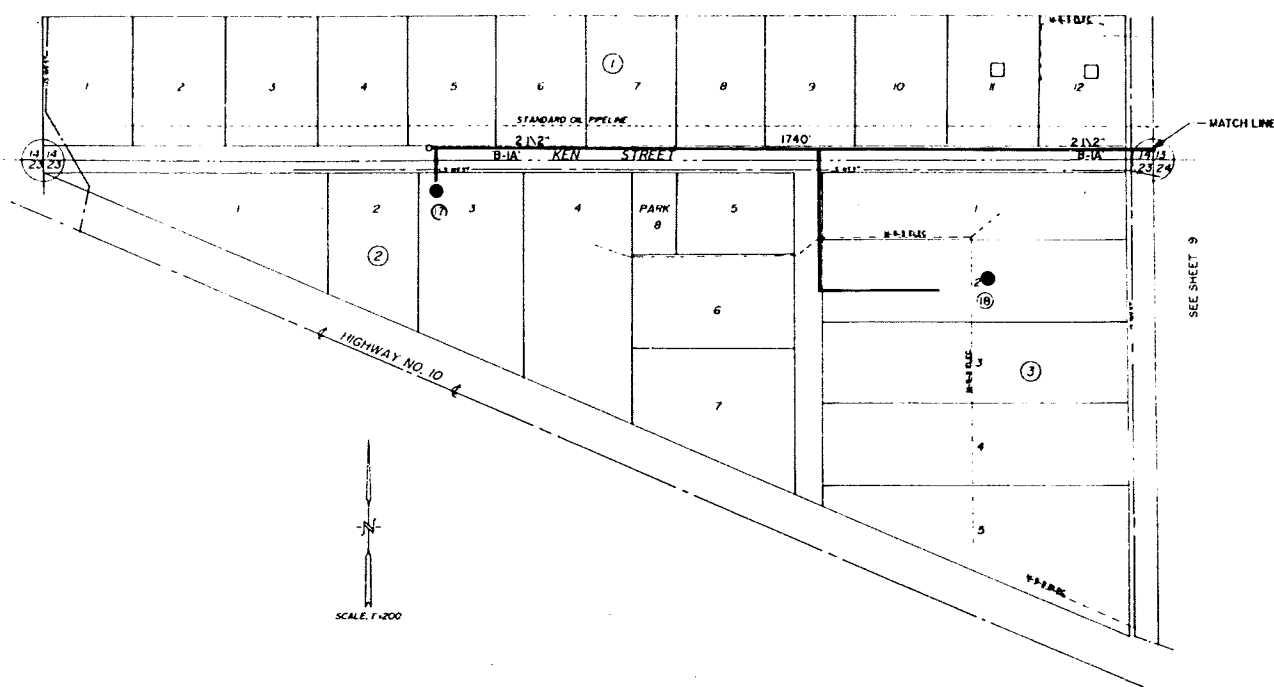
**ZACHMEIR'S**  
PART OF THE SW1/4 OF SEC. 15, T.139N., R.81W.  
(TO BE CONSTRUCTED UNDER CONTRACT NO.1)

- |   |                |       |      |
|---|----------------|-------|------|
| ① | H. SCHLOSSER   | (A-1) | 128' |
| ② | H. FRISTAD     | (A-1) | 128' |
| ③ | R. BIWER       | (A-1) | 100' |
| ④ | S. WOLF        | (A-1) | 128' |
| ⑤ | D. VOGEL       | (A-1) | 128' |
| ⑥ | L. FENLING     | (A-1) | 128' |
| ⑦ | R. BERGER      | (A-1) | 178' |
| ⑧ | B. JAMROZ      | (A-1) | 78'  |
| ⑨ | D. ZACHMEIER   | (A-1) | 78'  |
| ⑩ | L. MILLER      | (A-1) | 78'  |
| ⑪ | D. MILLER      | (A-1) | 78'  |
| ⑫ | J. PARIS       | (A-1) | 400' |
| ⑬ | D. HERTZ       | (A-1) | 400' |
| ⑭ | D. ZENKER      | (A-1) | 400' |
| ⑮ | M. MASSEY      | (A-1) | 400' |
| ⑯ | D. WARREN      | (A-1) | 400' |
| ⑰ | A. KOVASH      | (E-4) | 100' |
| ⑱ | J. GOSBIE      | (A-1) | 500' |
| ⑲ | G. HATZENBELER | (A-1) | 78'  |
| ⑳ | K. DONNESS     | (A-1) | 78'  |
| ㉑ | J. HOFFER      | (A-1) | 125' |

NOTE: ALL PIPELINE 2" AND LARGER ON THIS SHEET INVOLVES INSTALLATION IN EXISTING PUBLIC R/W. ALL SERVICE LINES WILL NOT INCLUDE PAYMENT FOR WORK IN PUBLIC R/W.



**GEORGIANA'S ACRES**  
PART OF THE NE1/4 & NW1/4 OF SECTION 28, T. 140 N., R. 81 W.  
(TO BE CONSTRUCTED UNDER CONTRACT NO.1)



**KOVASH**  
PART OF THE SE1/4 OF SEC. 14 & THE NE1/4 OF SEC. 23, T. 139 N., R. 83W.  
(TO BE CONSTRUCTED UNDER CONTRACT NO.2)

**MISSOURI WEST WATER SYSTEM**

**SUBDIVISIONS**  
GEORGIANA'S ACRES, ZACHMEIR'S & KOVASH'S  
MANTAHNI, GEORGIANA'S ACRES, ZACHMEIR'S & KOVASH'S

**Bartlett & West**  
Engineers, Inc.



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OF HEALTH