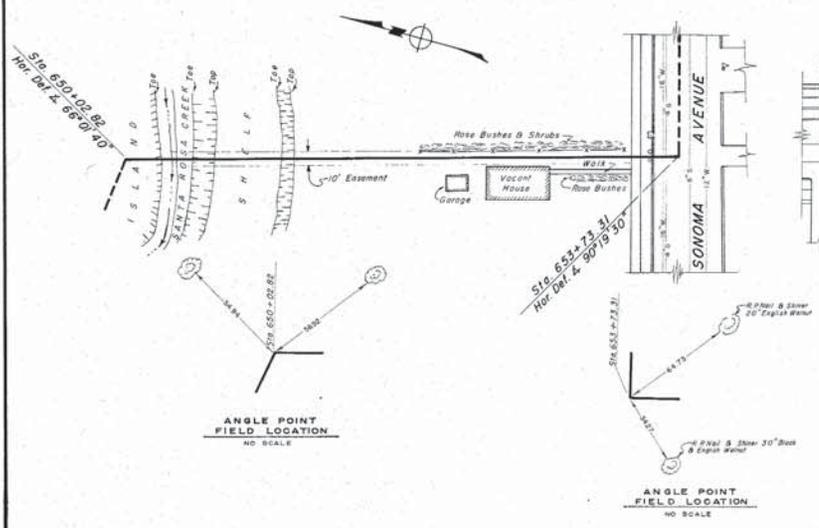
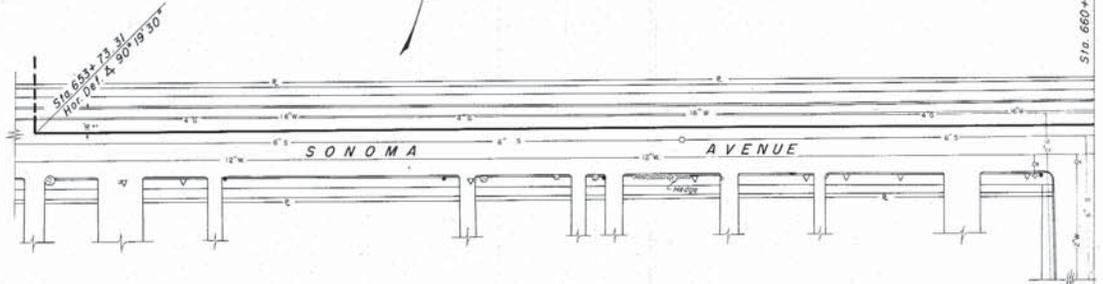


PROFILE
 SCALE: HORIZONTAL 1" = 40'
 VERTICAL 1" = 10'

B.M. Elev. 167.48 P.K. not set in So. face of 2nd power pole west of So. "E" St. on No. side of Sonoma Ave.



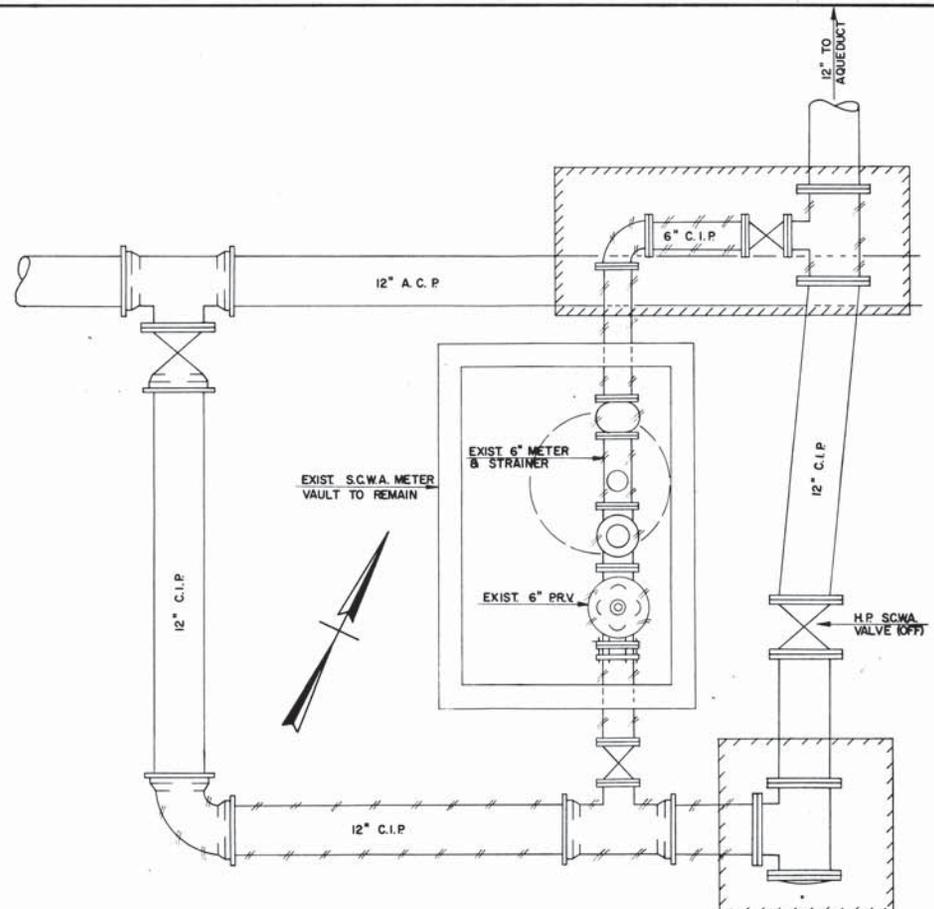
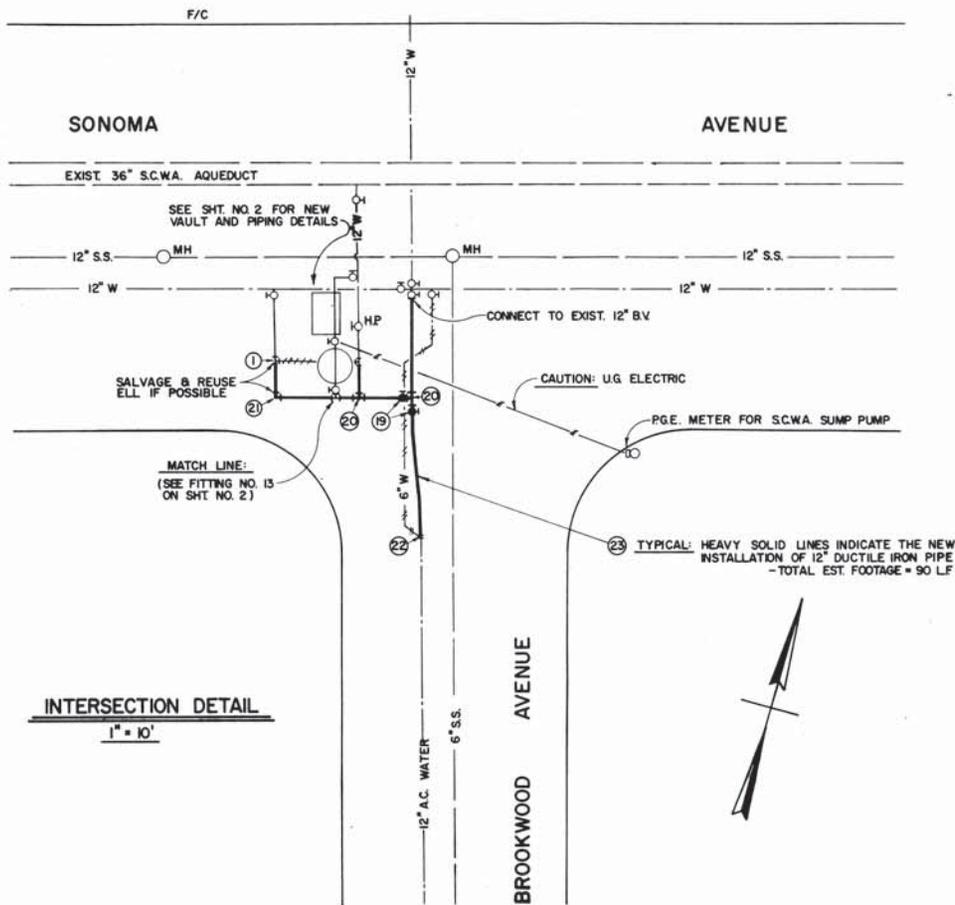
PLAN
 SCALE: LONGITUDINAL 1" = 40'
 TRANSVERSE 1" = 40'



Approved: *Robert Van Guelpen*
 Robert Van Guelpen
 City Engineer
 City of Santa Rosa

| | | | |
|---|--------------------------------|-----------------|-------------|
| FRANK B. SARLES CONSULTING CIVIL ENGINEER - SANTA ROSA, CALIFORNIA | | | |
| APPROVED: <i>Donald B. Bookler</i> | DATE: AUGUST, 1951 | | |
| DRAWN BY: M.A.-J.B. | CHECKED BY: <i>[Signature]</i> | | |
| RUSSIAN RIVER AQUEDUCT No. 1 | | | |
| Sta. 650+03 to Sta. 660+84 | | | |
| SCALE: | APPROVED: <i>[Signature]</i> | DATE: | DRAWN: |
| SONOMA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT | | | |
| DESIGNED: | CHECKED: | DRAWING NUMBER: | 50-4-102-32 |

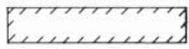
AS BUILT
 1-26-60
[Signature]



PLAN VIEW
EXISTING PIPING AND METER VAULT
3/4" = 1'-0"

PIPING SHALL EITHER BE SALVAGED WHEN POSSIBLE OR ABANDONED IN PLACE

KEY AREAS TO BE EXPOSED PRIOR TO CONSTRUCTION TO DETERMINE EXACT GRADES & CONFIGURATIONS:



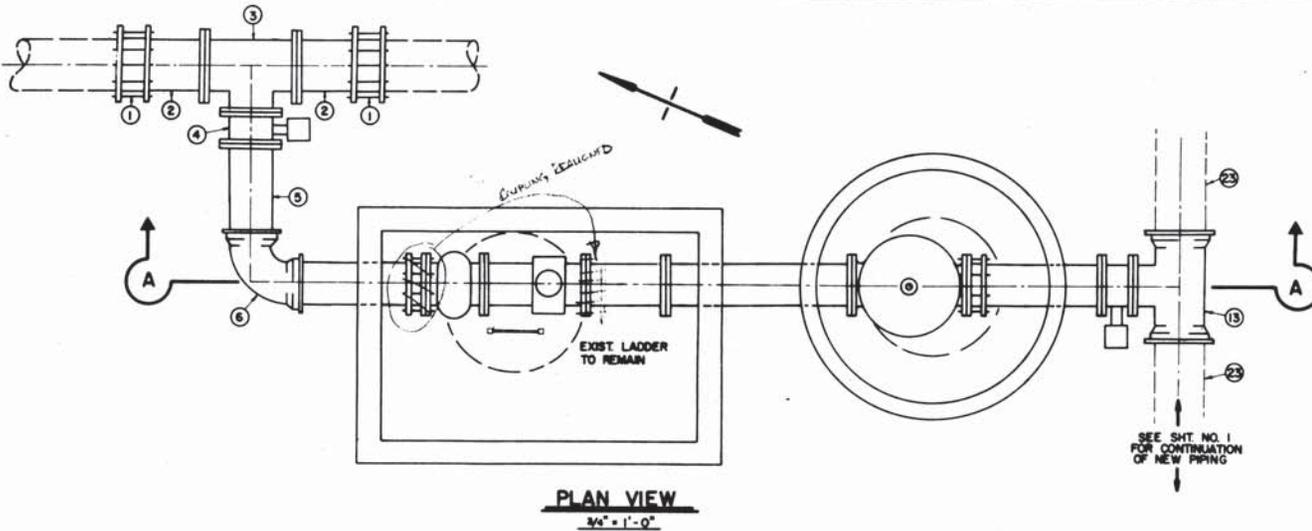
As Built 8/24/80

MICROFILMED
WELL
MARK

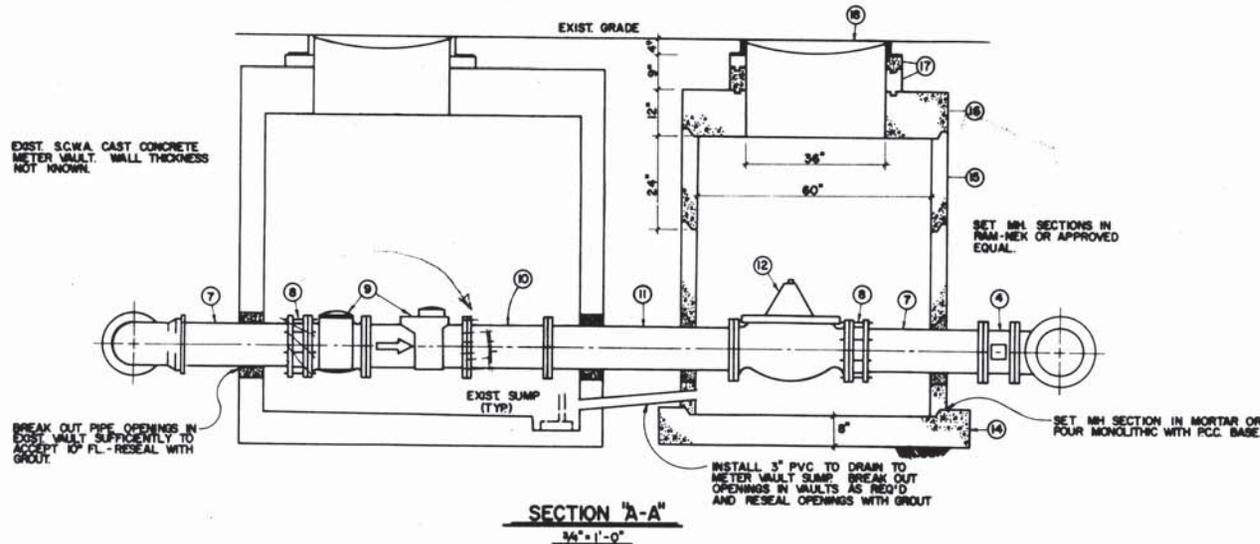
Sonoma County Water Agency
APPROVED:

By _____ Date _____

| | | | | | |
|-----|------|---|----|-----------------|-----------------|
| | | CITY OF SANTA ROSA | | Date: MAY, 1980 | Scale: AS SHOWN |
| | | BROOKWOOD AVE. AQUEDUCT TURNOUT RECONSTRUCTION | | | |
| | | APPROVED: _____ DATE _____ | | | |
| | | BY _____ | | | |
| | | CIVIL M.W. PM | | Sheet 1 of | File Number |
| | | CHK. <i>ZZZ</i> | | 2 | 1161 |
| No. | Date | Revision | By | | |



| LIST OF MATERIALS | | |
|-------------------|--------|---|
| ITEM | QUANT. | DESCRIPTION |
| 1 | 3 | 12" FLEX COUPLINGS C.I.P. x C.I.P. |
| 2 | 2 | 12" x 1'-6" FL. x PE. DUCTILE IRON |
| 3 | 1 | 12" x 12" x 10" FL. TEE |
| 4 | 2 | 10" FL. BUTTERFLY VALVE - DRESSER 450 |
| 5 | 1 | 10" x 2 1/2" FL. x P.E. DUCTILE IRON |
| 6 | 1 | 10" x 90° ELBOW M.J. WITH RETAINER RINGS |
| 7 | 2 | 10" x 3" ± FL. x PE. DUCTILE IRON |
| 8 | 2 | 10" FL. x PE. COUPLING ADAPTER |
| 9 | 1 | ROCKWELL MODEL W-5500 10" METER WITH STRAINER |
| 10 | 1 | 10" x 2'-0" ± FL. SPOOL |
| 11 | 1 | 10" x 4'-0" FL. SPOOL |
| 12 | 1 | CLAYTON MODEL 90-D18 10" PRESSURE REGULATING VALVE |
| 13 | 1 | 12" x 12" x 10" M.J. x M.J. x FL. TEE |
| 14 | 1 | P.C.C. MANHOLE BASE - 6" TH. |
| 15 | 3 | PRECAST 60" I.D. x 24" MANHOLE SECTION |
| 16 | 1 | 60" DIA. FLAT SLAB MANHOLE REDUCER W/ 36" DIA. OPENING |
| 17 | 1 EA. | 3" x 36" AND 6" x 36" MANHOLE GRADE RWBS |
| 18 | 1 | PHOENIX IRON WORKS NO. P-1006 36" I.D. MH FRAME & COVER |
| 19 | 2 | 12" M.J. BUTTERFLY VALVE - DRESSER 450 |
| 20 | 2 | 12" ALL M.J. TEE |
| 21 | 1 | 12" x 90° M.J. ELBOW (IF EXIST IS NOT SALVAGEABLE) |
| 22 | 1 | 12" A.C.P. x DUCTILE IRON FLEX COUPLING |
| 23 | 90 LF | 12" DUCTILE IRON M.J. PIPE |



NOTES:

- CONTACT UNDERGROUND SERVICE ALERT (U.S.A.) AT 800-542-2444 AT LEAST 48 HOURS PRIOR TO EXCAVATING FOR LOCATIONS OF EXISTING UNDERGROUND FACILITIES.
- COORDINATE SHUTDOWN OF TURNOUT WITH THE SONOMA COUNTY WATER AGENCY AND CITY DISTRIBUTION SUPERVISOR (LEWIS VAUGHN).
- THE CONFIGURATIONS & GRADES OF NEW & EXIST. PIPING SHOWN ON THESE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE SHORT OF ACTUAL EXPOSURE OF THE PIPING IN THE FIELD. ALL GRADES AND FITTINGS SHOWN SHALL BE CHECKED FOR COMPATIBILITY BY POTHOLING PRIOR TO CONSTRUCTION.

MICROFILMED
WALL
FRAME

Sonoma County Water Agency

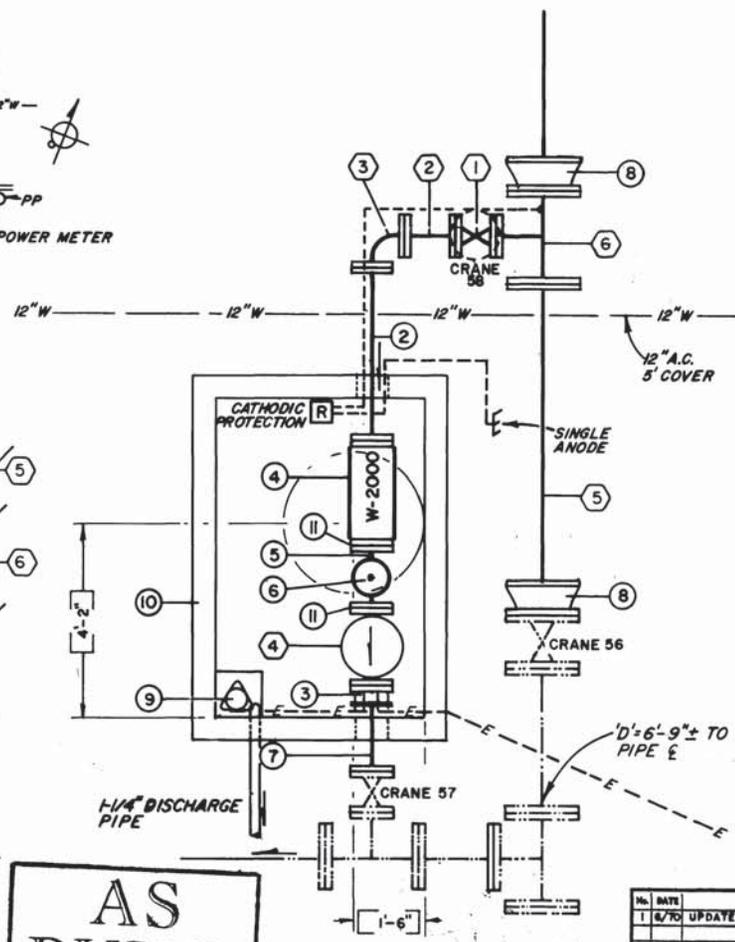
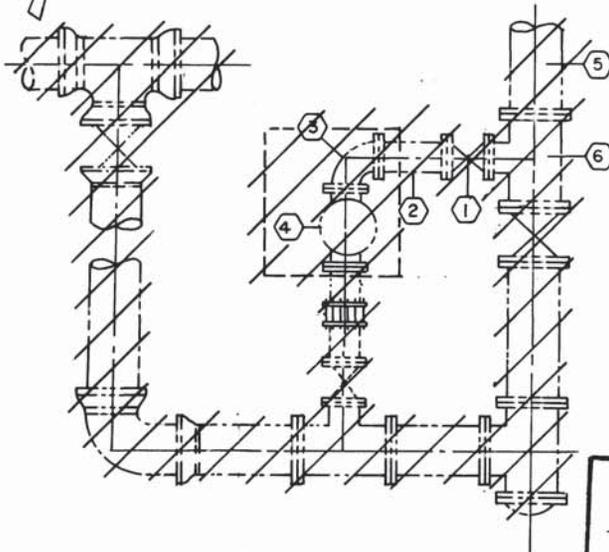
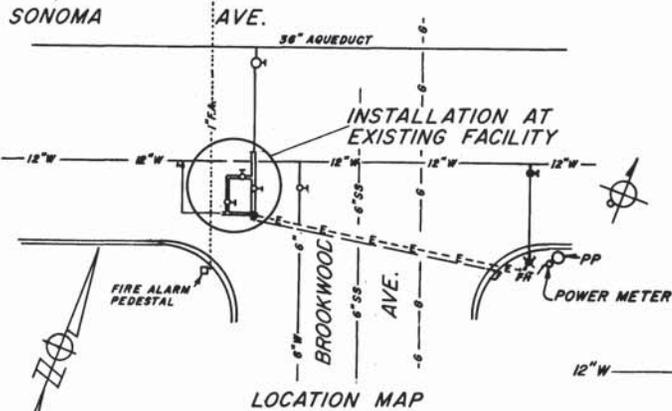
APPROVED:

By _____ Date _____

| | | | |
|--|------|----------------------|-----------------------------------|
| CITY OF SANTA ROSA | | Date: MAY, 1990 | Scale: AS SHOWN |
| BROOKWOOD AVE. AQUEDUCT TURNOUT RECONSTRUCTION | | APPROVED: | DATE |
| NEW PIPING AND VAULT DETAILS PLAN AND SECTION | | Drawn: <u>HWL/EM</u> | Sheet 2 of 2 File Number: 1161 |
| No. | Date | Revision | By |

60-2-102.6

PH 2-3



SCHEDULE OF ITEMS

| | |
|----|--|
| 1 | DELETED |
| 2 | 6" x 3'-0" PIPE FBE |
| 3 | 6" FLANGE x PLAIN END, FLANGED COUPLING ADAPTOR SMITH-BLAIR No. 912-6-690 |
| 4 | 6" ROCKWELL METER W-2000 (FURNISHED BY DISTRICT) |
| 5 | 6" x 6" x 4" TEE |
| 6 | 4" BLIND FLANGE |
| 7 | 6" x 1'-9-1/2" PIPE FOE |
| 8 | 12" x 12" FLG. x HUB ADAPTOR (2 REQ'D) |
| 9 | SUMP PUMP ASSEMBLY WITH 1/4" DISCHARGE PIPE TO CURB SEE DWG No. 50-2-102.24 |
| 10 | 4'-6" x 6'-10" VAULT POURED IN PLACE |
| 11 | PIPE SUPPORTS (AS REQ'D) |

SCHEDULE OF ITEMS

| | |
|---|-----------------------|
| 1 | 6" GATE VALVE |
| 2 | 6" PIPE FBE |
| 3 | 6" x 6" ELL |
| 4 | 6" PRESSURE REGULATOR |
| 5 | 12" PIPE, FOE TO FIT |
| 6 | 12" x 12" x 6" TEE |

AS BUILT
Date 28 MAY 70
By [Signature]

| No. | DATE | REVISION | BY |
|-----|------|------------------------|----|
| 1 | 6/70 | UPDATED FOR 'AS BUILT' | KP |
| | | | |
| | | | |
| | | | |

N-5.

S.R. STA. 668+45

**WATER METER INSTALLATION
SONOMA AVE & BROOKWOOD AVE.
SANTA ROSA**

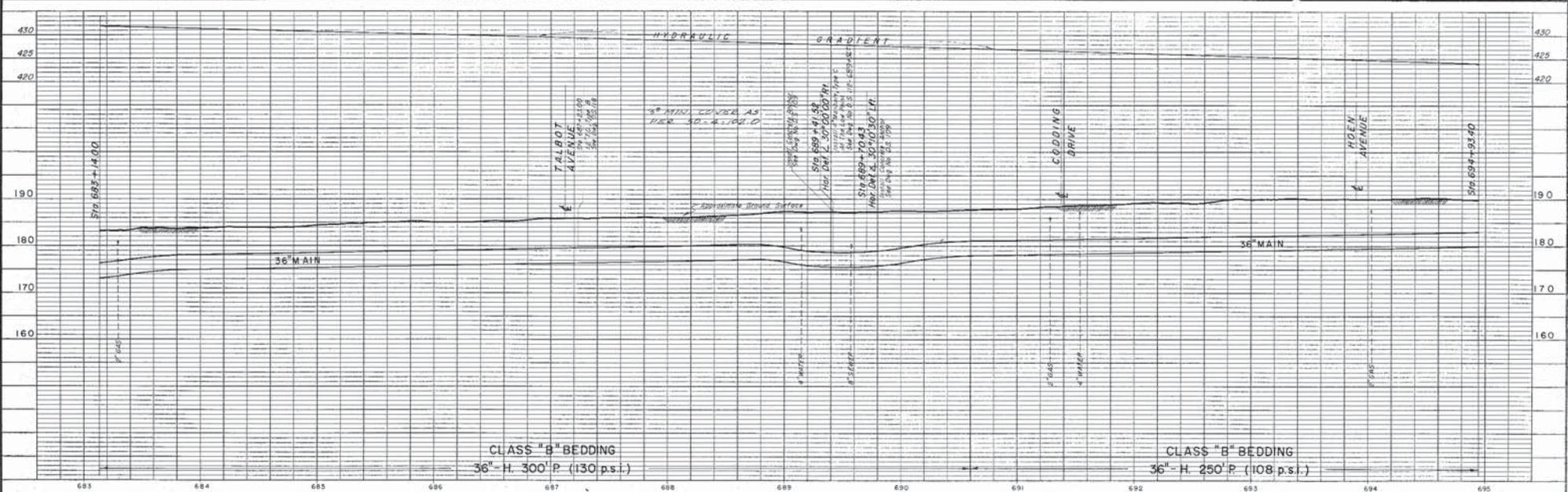
SCALE: 3/8" = 1'-0"
DATE: AUG. 16, 68

APPROVED: [Signature] CHIEF ENGINEER
DRAWN: [Signature] E.W.D.

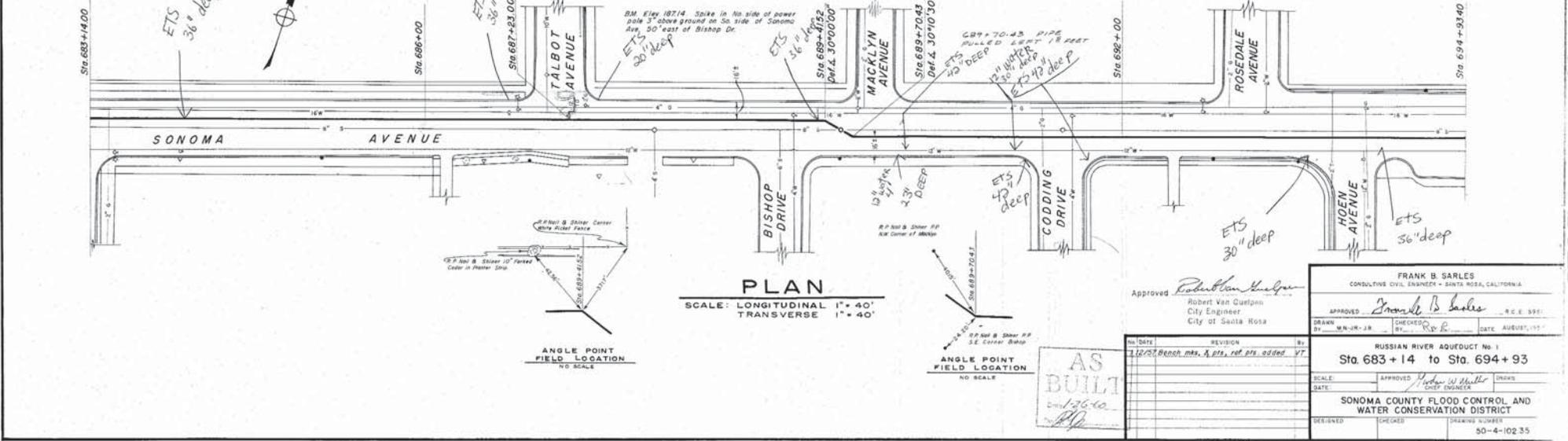
SONOMA COUNTY FLOOD CONTROL AND
WATER CONSERVATION DISTRICT

DESIGNED: [Signature] DRAWING NUMBER: 50-2-102.18

TABLE NO. 1
 WATER MAIN PROFILE
 1/2" V. = 10' H.
 1" H. = 40' V.



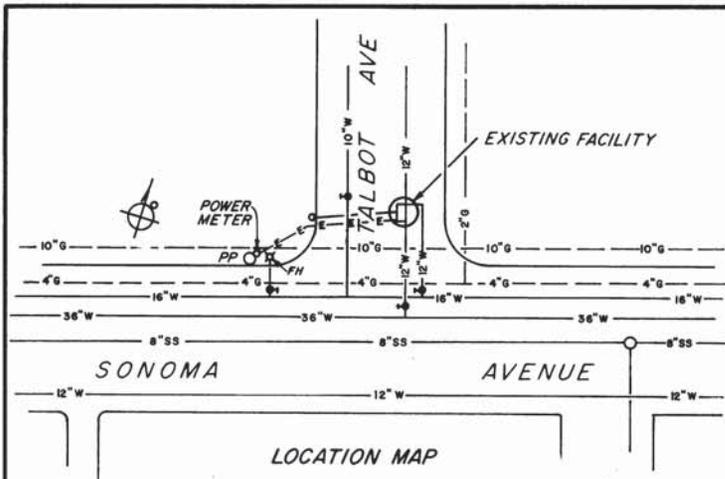
PROFILE
 SCALE: HORIZONTAL 1" = 40'
 VERTICAL 1" = 10'



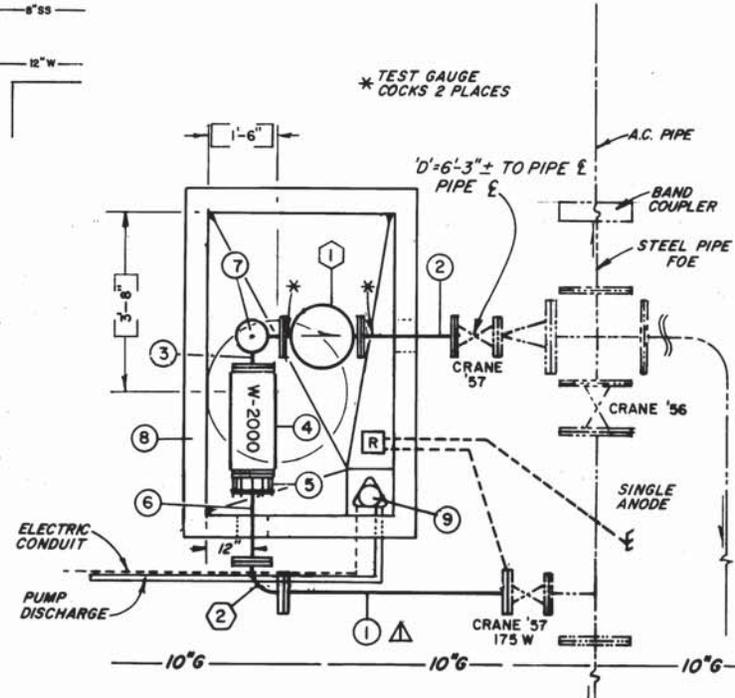
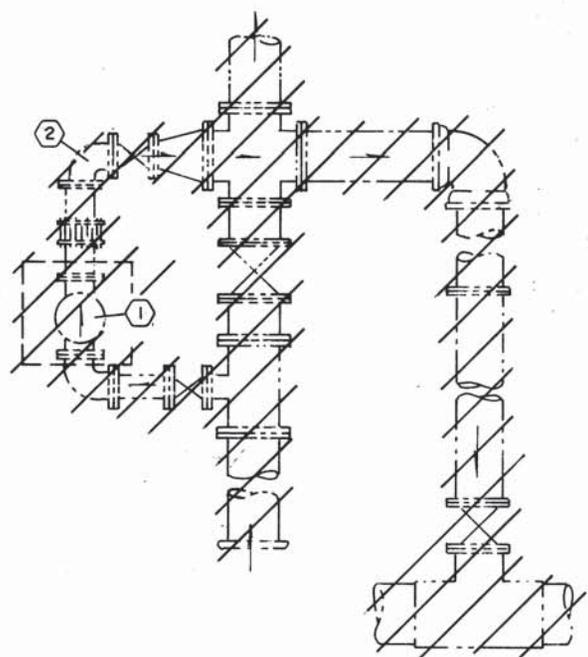
PLAN
 SCALE: LONGITUDINAL 1" = 40'
 TRANSVERSE 1" = 40'

Approved: *Robert Van Cuelpen*
 Robert Van Cuelpen
 City Engineer
 City of Santa Rosa

| | |
|---|--|
| FRANK B. SARLES CONSULTING CIVIL ENGINEER - SANTA ROSA, CALIFORNIA | |
| APPROVED: <i>Frank B. Sarles</i> | R.C.E. 595 |
| DRAWN BY: <i>W.N. JR.</i> | CHECKED BY: <i>R.S.</i> DATE: AUGUST, 1957 |
| RUSSIAN RIVER AQUEDUCT No. 1 Sta. 683 + 14 to Sta. 694 + 93 | |
| SCALE: | APPROVED: <i>Robert W. Miller</i> DRAWS |
| DATE: | DATE: 1/26/60 |
| SONOMA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT | |
| DRAWN: | CHECKED: SHEETING NUMBER |
| | 90-4-102 35 |



LOCATION MAP



SCHEDULE OF ITEMS

| | |
|---|--|
| ① | 6" x 4'-7" PIPE FBE |
| ② | 6" x 1'-9" PIPE FBE |
| ③ | 6" x 6" x 4" 90° SIDE OUTLET ELL |
| ④ | 6" ROCKWELL METER W-2000 (FURNISHED BY DISTRICT) |
| ⑤ | 6" FLANGED x 6" PLAIN END, FLANGED COUPLING ADAPTOR SMITH-BLAIR 912-6-690 |
| ⑥ | 6" x 1'-8-1/2" PIPE FOE |
| ⑦ | 4" BLIND FLANGE |
| ⑧ | 4'-0" x 6'-6" VAULT POURED IN PLACE |
| ⑨ | SUMP PUMP ASSEMBLY WITH 1-1/4" DISCHARGE PIPE TO CURB SEE DWG. No. 50-2-102.24 |
| ⑩ | PIPE SUPPORTS AS REQ'D |

SCHEDULE OF ITEMS

| | |
|---|-----------------------------|
| ① | 6" PRESSURE REDUCER CLA-VAL |
| ② | 6" x 6" 90° ELL |

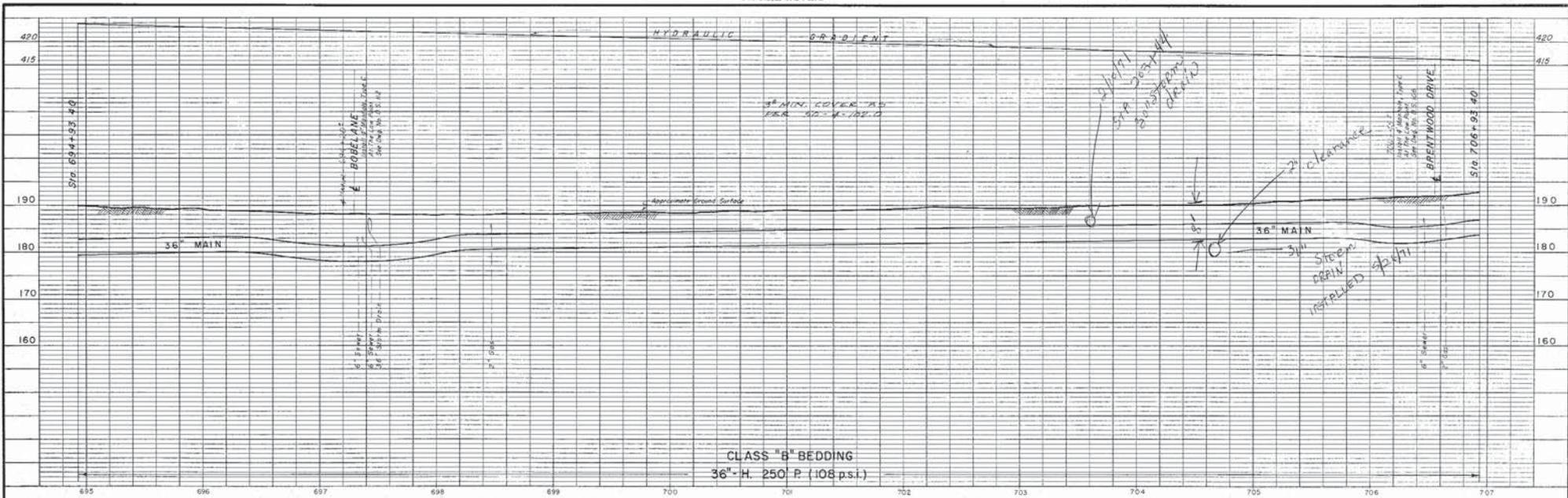


NO. 55
S.R. STA. 687+23

| No. | DATE | REVISION | By |
|-----|--------|--|----|
| 1 | 6/6/68 | REVISED TO CLEAR EXISTING 10" GAS LINE. ITEM ① CHANGED | KP |
| 2 | 6/70 | UPDATED FOR 'AS BUILTS' | |

SCALE: 3/8" = 1'-0" APPROVED: *Robert W. Miller* CHIEF ENGINEER DRAWN: *K.P.*
DATE: AUG. 16, 68
SONOMA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
DESIGNED: *A. P. ...* DRAWING NUMBER: 50-2-102.19.1

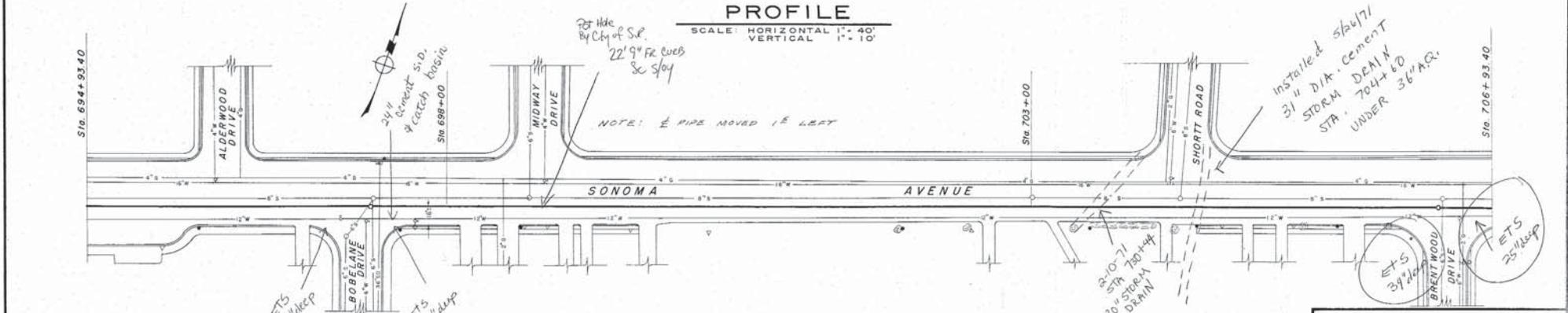
TABLE 1
 CLASS "B" BEDDING
 PER 50-4-102.10



CLASS "B" BEDDING
 36" - H. 250 P. (108 PSI.)

PROFILE

SCALE: HORIZONTAL 1" = 40'
 VERTICAL 1" = 10'



PLAN

SCALE: LONGITUDINAL 1" = 40'
 TRANSVERSE 1" = 40'

21/191
 STA 703+44
 30" STORM DRAIN

2" aluminum
 3" STEEL
 DRAIN
 INSTALLED 4/11

By Hde
 By City of S.R.
 22' 9" FR CURB
 SC SLOP

NOTE: PIPE MOVED 1/2 LEFT

Installed 5/6/71
 31" DIA. CEMENT
 STORM DRAIN
 STA 704+80
 UNDER 36" AC.

ETS
 30" deep

2-(10-71)
 STA 700+44
 30" STORM DRAIN

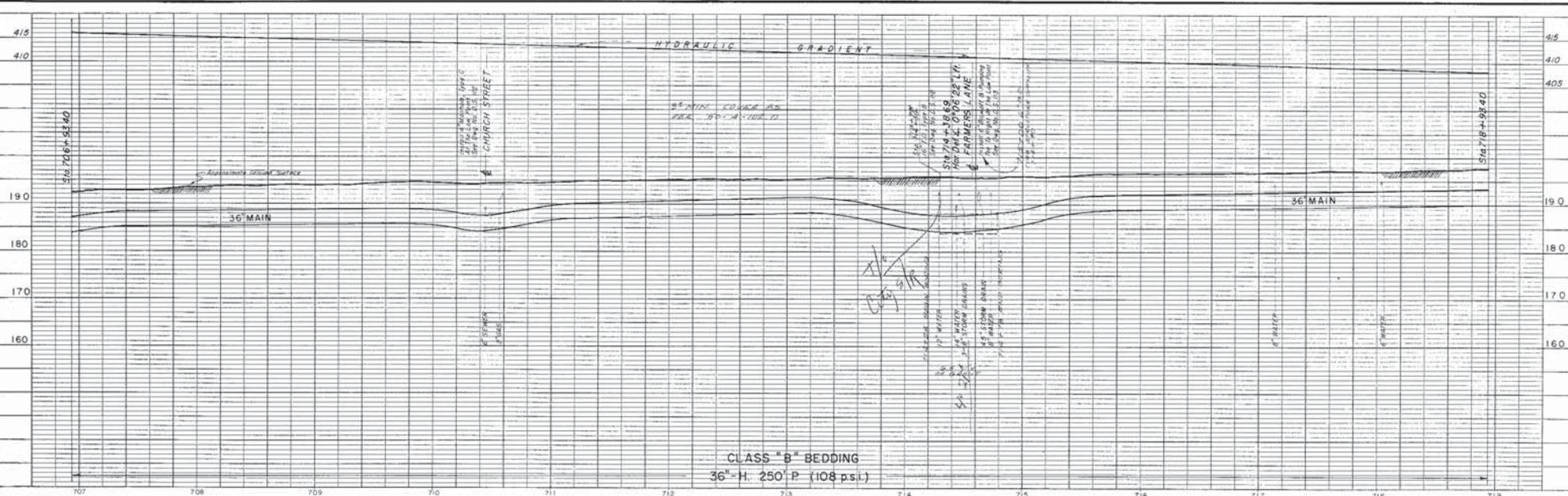
ETS
 39" deep

ETS
 25" deep

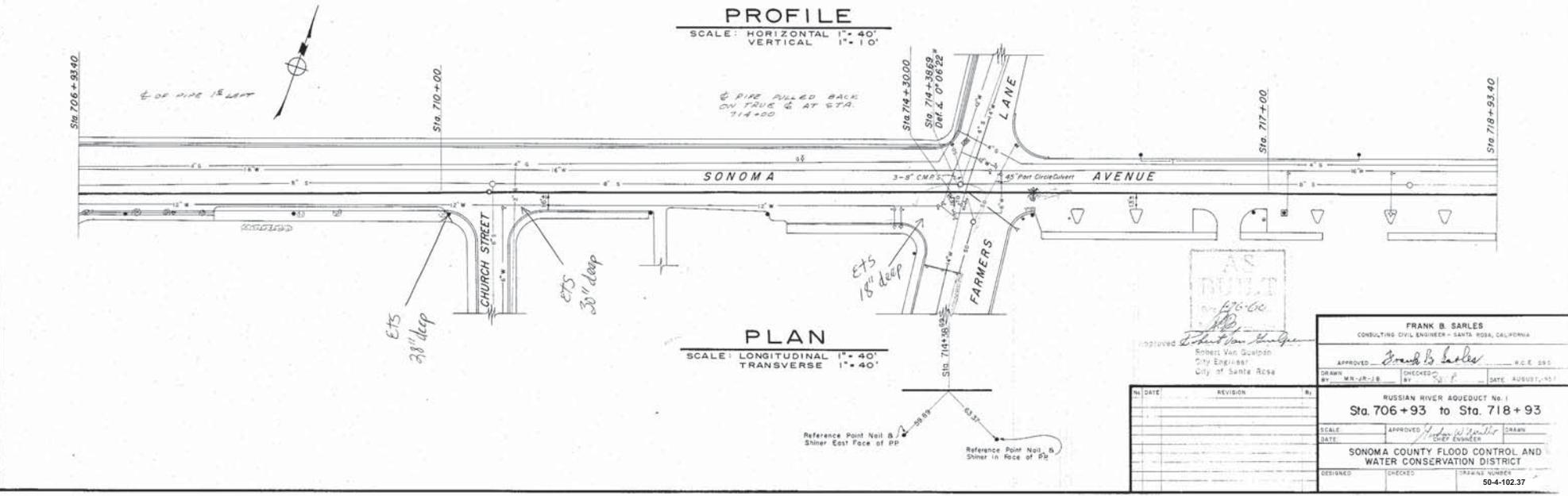
Approved: *Robert Van Guse*
 Robert Van Guse
 City Engineer
 City of Santa Rosa

| | | | |
|---|---------------------------------|--------------------|--|
| FRANK B. SARLES CONSULTING CIVIL ENGINEER - SANTA ROSA, CALIFORNIA | | | |
| APPROVED: <i>Frank B. Sarles</i> | N.C.E. 388 | | |
| DRAWN BY: MW-2-R-10 | CHECKED BY: D.A.P. | DATE: AUGUST, 1971 | |
| RUSSIAN RIVER AQUEDUCT No 1 | | | |
| Sta. 694+93 to Sta. 706+93 | | | |
| SCALE: | APPROVED: <i>John J. Miller</i> | DRAWN: | |
| DATE: | DATE: | | |
| SONOMA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT | | | |
| DESIGNED: | CHECKED: | DRAWING NUMBER | |
| | | 50-4-102.10 | |





PROFILE
 SCALE: HORIZONTAL 1" = 40'
 VERTICAL 1" = 10'



APPROVED: *Frank B. Sarles*
 Robert Van Suelpan
 City Engineer
 City of Santa Rosa

FRANK B. SARLES
 CONSULTING CIVIL ENGINEER - SANTA ROSA, CALIFORNIA

APPROVED: *Frank B. Sarles* H.C.E. 595
 DRAWN BY: *W.A. J.B.* CHECKED BY: *W.A. J.B.* DATE: AUGUST, 1951

RUSSIAN RIVER AQUEDUCT No. 1
Sta. 706+93 to Sta. 718+93

SCALE: _____ APPROVED: _____ DRAWN: _____
 DATE: _____ CHECKED BY: _____

SONOMA COUNTY FLOOD CONTROL AND
 WATER CONSERVATION DISTRICT

DESIGNED: _____ CHECKED: _____ DRAWING NUMBER: _____
 50-4-102.37