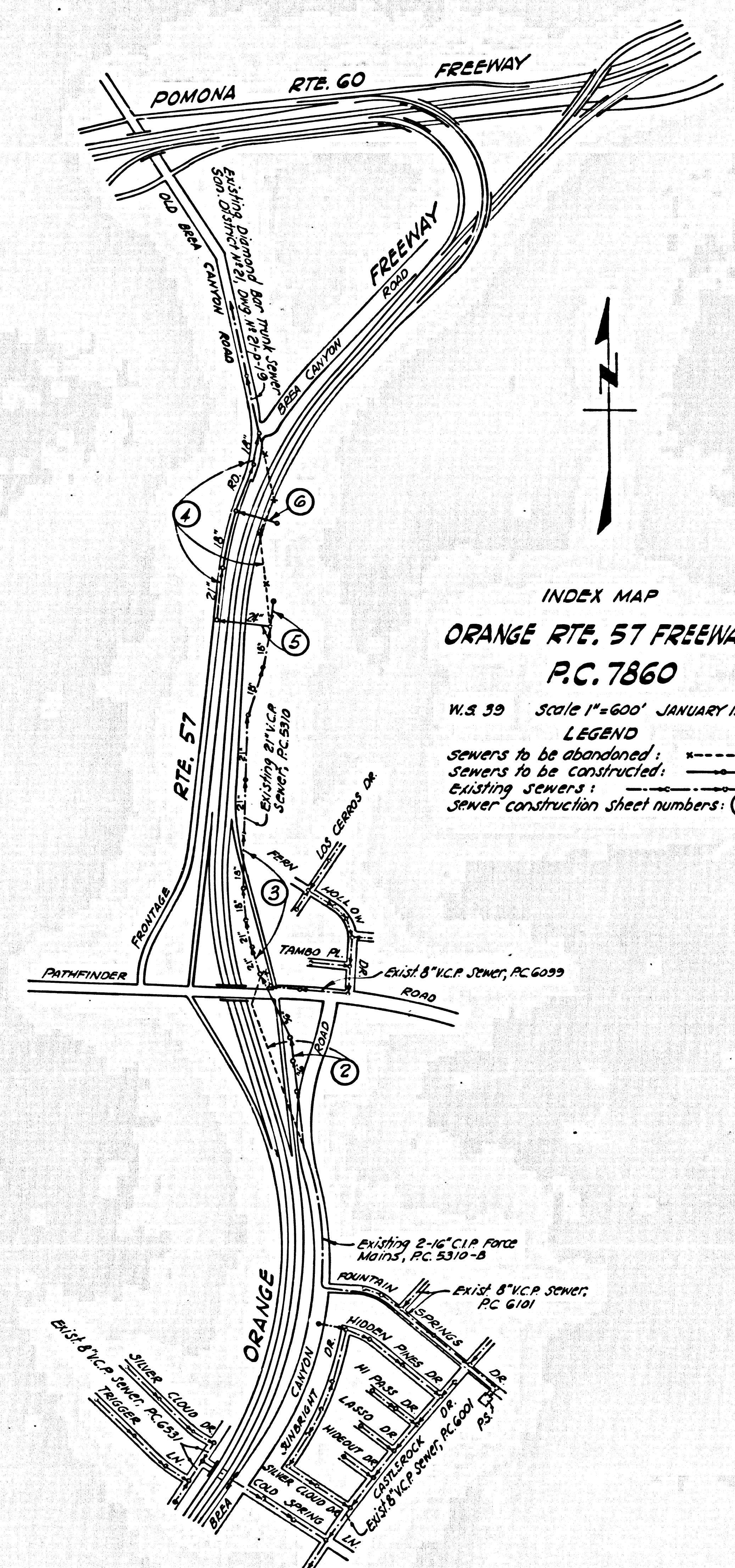


|                 |        |                           |                            |           |              |
|-----------------|--------|---------------------------|----------------------------|-----------|--------------|
| REG. NO.        | STATE  | FEDERAL PROJECT NO.       | FISCAL YEAR                | SHEET NO. | TOTAL SHEETS |
| 7               | CALIF. |                           |                            |           |              |
| DIST.           | COUNTY | ROUTE                     | POST MILES - TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
| 07              | ORANGE | 57                        | 2.7                        | 1         | 7            |
| DESIGN ENGINEER |        | REGISTERED CIVIL ENGINEER |                            |           |              |
|                 |        | NO.                       |                            |           |              |
| DATE APPROVED   |        |                           |                            |           |              |



INDEX MAP  
**ORANGE RTE. 57 FREEWAY**  
**P.C. 7860**  
 W.S. 39 Scale 1"=600' JANUARY 1969  
**LEGEND**  
 Sewers to be abandoned: - - - - -  
 Sewers to be constructed: ————  
 Existing sewers: ————  
 Sewer construction sheet numbers: ③

PLAN AND PROFILE OF  
**SANITARY SEWERS**  
 CONSTRUCTED UNDER  
**P.C. 7860**  
 SHEET 1 OF 7 SHEETS  
 JANUARY 1969  
 SCALES: HORIZ. 1"=50' VERT. 1"=10'  
 COUNTY OF LOS ANGELES, CALIFORNIA  
 APPROVED: JOHN A. LAMBIE, COUNTY ENGINEER  
 BY: Richard M. Cro... 1-27-69  
 ASSISTANT DIVISION ENGINEER  
 SUBMITTED BY: Richard M. Cro... 1-27-69  
 R.E. No. 14390  
 APPROVED: JOHN D. PARKHURST, CHIEF ENGINEER  
 COUNTY SANITATION DISTRICT 21  
 BY: M. Castellanos, OFFICE ENGINEER

- NOTES:
1. USE MECHANICAL COMPRESSION JOINTS FOR ALL VITRIFIED CLAY PIPE SEWERS.
  2. ALL STRUCTURES SHALL BE BRICK MANHOLES PER STD. PLAN S-3, EXCEPT AS NOTED.
  3. USE STANDARD MANHOLE FRAMES AND COVERS PER STD. PLAN S-15, EXCEPT AS NOTED.
  4. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE MADISON 9-4747, EXT. 81551 AT LEAST 24 HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
  5. THE CONTRACTOR SHALL MAINTAIN SEWER SERVICE AT ALL TIMES DURING CONSTRUCTION.
  6. THE CONTRACTOR SHALL NOTIFY MR. ROBERT POWELL OF THE COUNTY SANITATION DISTRICTS BY TELEPHONE, NEVADA 6-3097, AT LEAST 48 HOURS BEFORE STARTING ANY WORK UNDER THIS PROJECT.
  7. NO CONNECTIONS FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS WITHOUT WRITTEN PERMISSION FROM THE CHIEF ENGINEER AND GENERAL MANAGER OF THE COUNTY SANITATION DISTRICTS.
  8. "T" OR "Y" BRANCHES MAY BE USED FOR CONNECTION TO MAIN LINE SEWERS.
  9. ALL CAST IRON PIPE AND CAST IRON PIPE FITTINGS SHALL BE CEMENT LINED CAST IRON PIPE OF CLASS SHOWN IN ACCORDANCE WITH AMERICAN STANDARD ASSOCIATION SPECIFICATIONS A21.1, A 21.2 AND A 21.3 WITH NEOPRENE "TYTON" JOINTS. CEMENT LINING SHALL BE 1/2" THICKNESS.
  10. SERVICE AGREEMENTS PROVIDING FOR SEWER INSPECTION BY THE COUNTY ENGINEER AND BY THE COUNTY SANITATION DISTRICTS SHALL BE IN EFFECT BEFORE CONSTRUCTION IS STARTED ON THIS PROJECT.
  11. MANHOLE TOPS IN UNIMPROVED RIGHTS-OF-WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
  12. APPROVAL OF THESE SEWER PLANS BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OF OR THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE, OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT.

43115

|               |         |      |
|---------------|---------|------|
| DESIGN DEPT.  | INITIAL | DATE |
| DESIGNED      |         |      |
| TRACED        |         |      |
| CHECKED       |         |      |
| SUPERVISED BY |         |      |
| RIGHT OF WAY  |         |      |

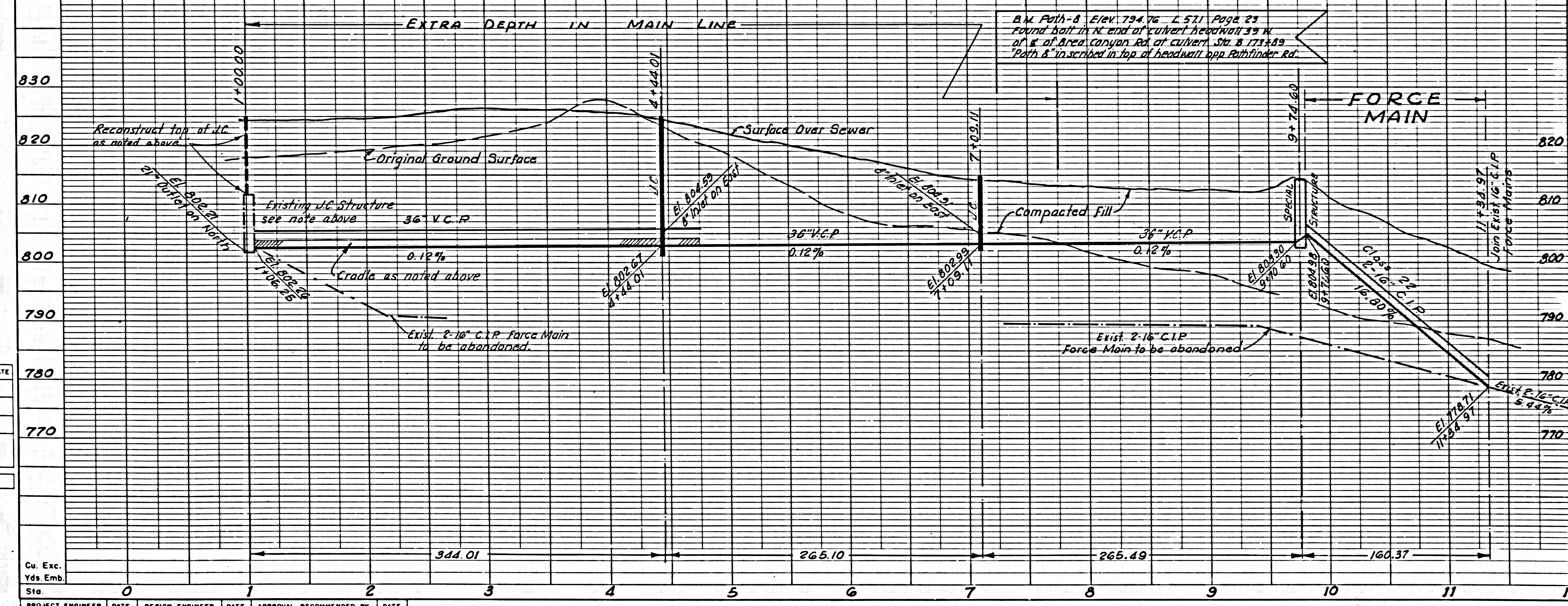
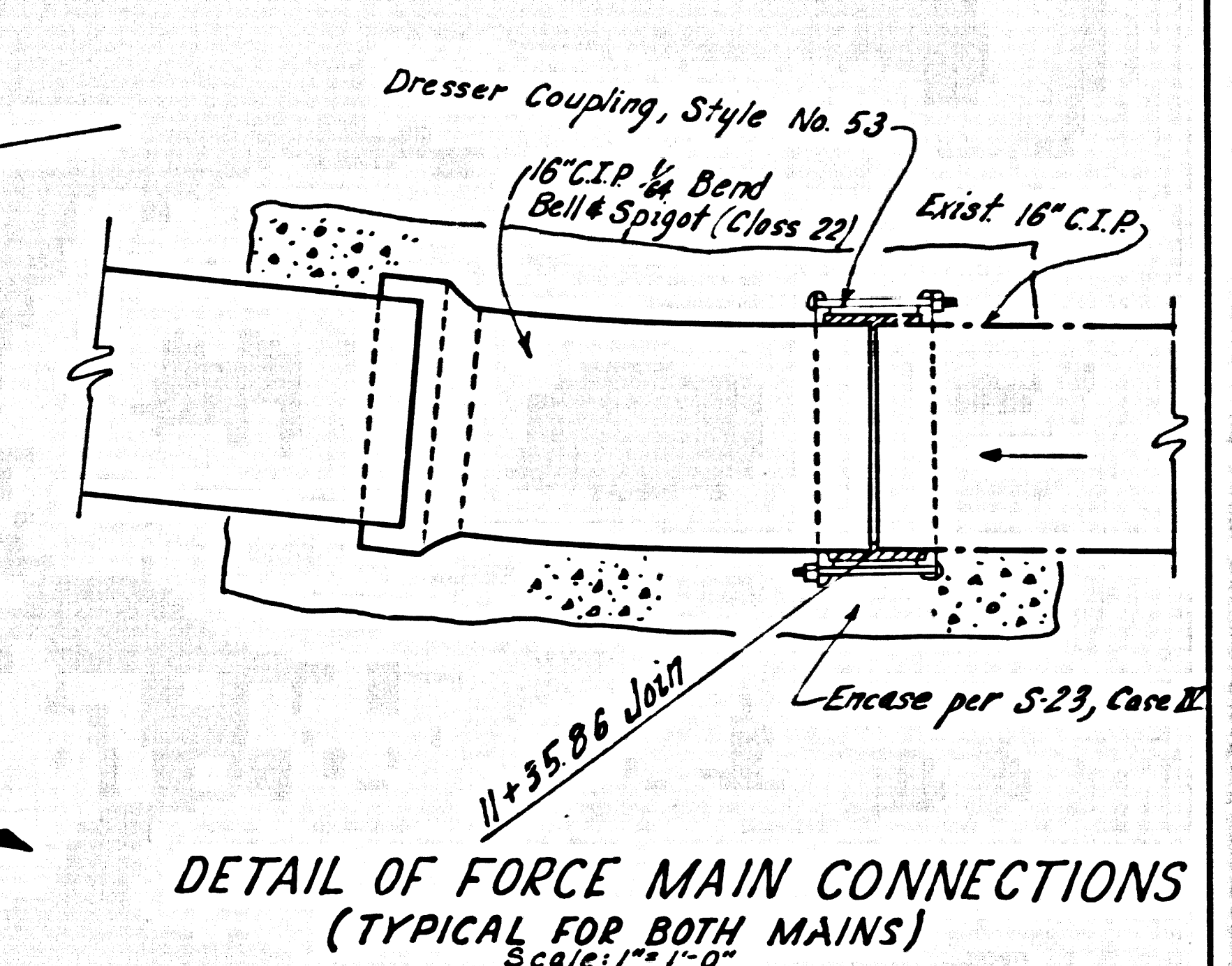
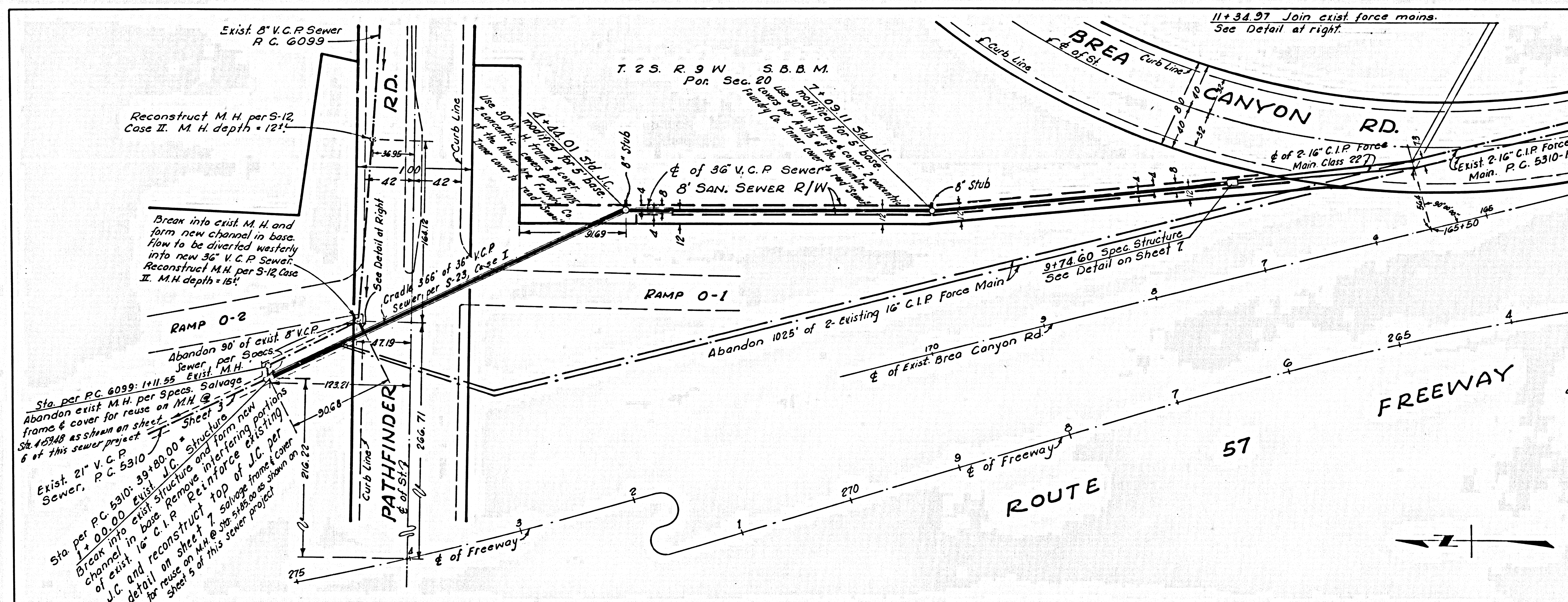
|                  |      |                 |      |                         |      |
|------------------|------|-----------------|------|-------------------------|------|
| Project Engineer | Date | Design Engineer | Date | Approval Recommended By | Date |
|                  |      |                 |      |                         |      |



| B.P.P. REG. NO. | STATE  | FEDERAL PROJECT NO.        | FISCAL YEAR | SHEET NO.    | TOTAL SHEETS |
|-----------------|--------|----------------------------|-------------|--------------|--------------|
| 07              | CALIF. | 57                         | 1961        | 46           | 46           |
| COUNTY          | ROUTE  | POST MILES - TOTAL PROJECT | SHEET NO.   | TOTAL SHEETS | DATE         |
| ORANGE          | 57     | 21.3                       | 46          | 46           | 11-1-61      |

DESIGN ENGINEER: \_\_\_\_\_ REGISTERED CIVIL ENGINEER NO. \_\_\_\_\_  
DATE APPROVED: \_\_\_\_\_

**P.C. 7860**  
SHEET 2 OF 7 SHEETS



| DESIGN DEPT.  | INITIAL | DATE |
|---------------|---------|------|
| DESIGNED      |         |      |
| TRACED        |         |      |
| CHECKED       |         |      |
| SUPERVISED BY |         |      |
| RIGHT OF WAY  |         |      |

| PROJECT ENGINEER | DATE | DESIGN ENGINEER | DATE | APPROVAL RECOMMENDED BY | DATE |
|------------------|------|-----------------|------|-------------------------|------|
|                  |      |                 |      |                         |      |



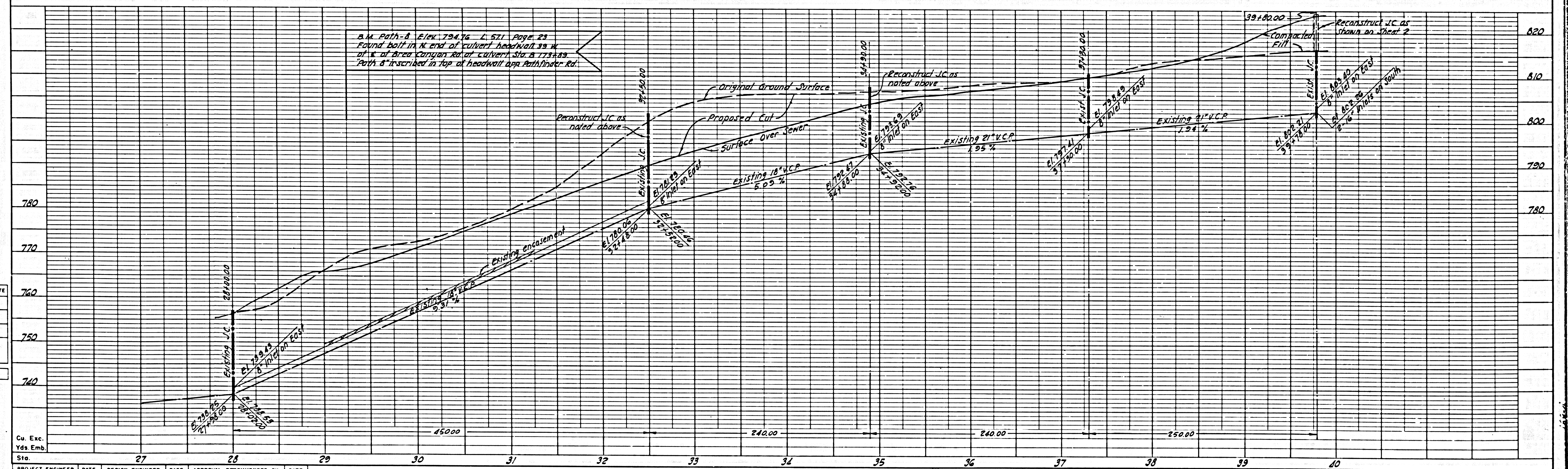
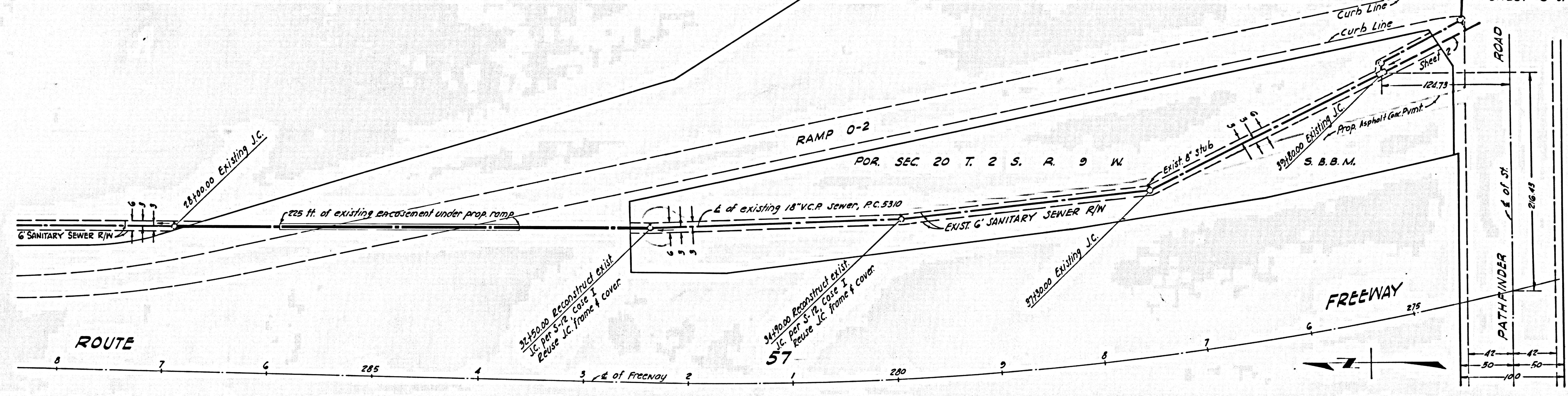
POR. SEC. 20 T. 2 S. R. 9 W. S. B. M.

STATE OF CALIFORNIA

|               |        |                     |             |           |              |
|---------------|--------|---------------------|-------------|-----------|--------------|
| B.P. REG. NO. | STATE  | FEDERAL PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
| 07            | CALIF. | 57                  | 1944-45     | 4         | 7            |

DESIGN ENGINEER: \_\_\_\_\_ REGISTERED CIVIL ENGINEER NO. \_\_\_\_\_

DATE APPROVED: \_\_\_\_\_ P. C. 7860 SHEET 3 OF 7 SHEETS



B.M. Path - A Elev. 794.76 L. 571 Page 23  
 Found bolt in N end of culvert headwall 28 ft  
 at N of Area Canyon rd at culvert Sta 1737.33  
 Path A inscribed in top of headwall opp Pathfinder Rd.

|               |         |      |
|---------------|---------|------|
| DESIGN DEPT   | INITIAL | DATE |
| DESIGNED      |         |      |
| TRACED        |         |      |
| CHECKED       |         |      |
| SUPERVISED BY |         |      |
| RIGHT OF WAY  |         |      |

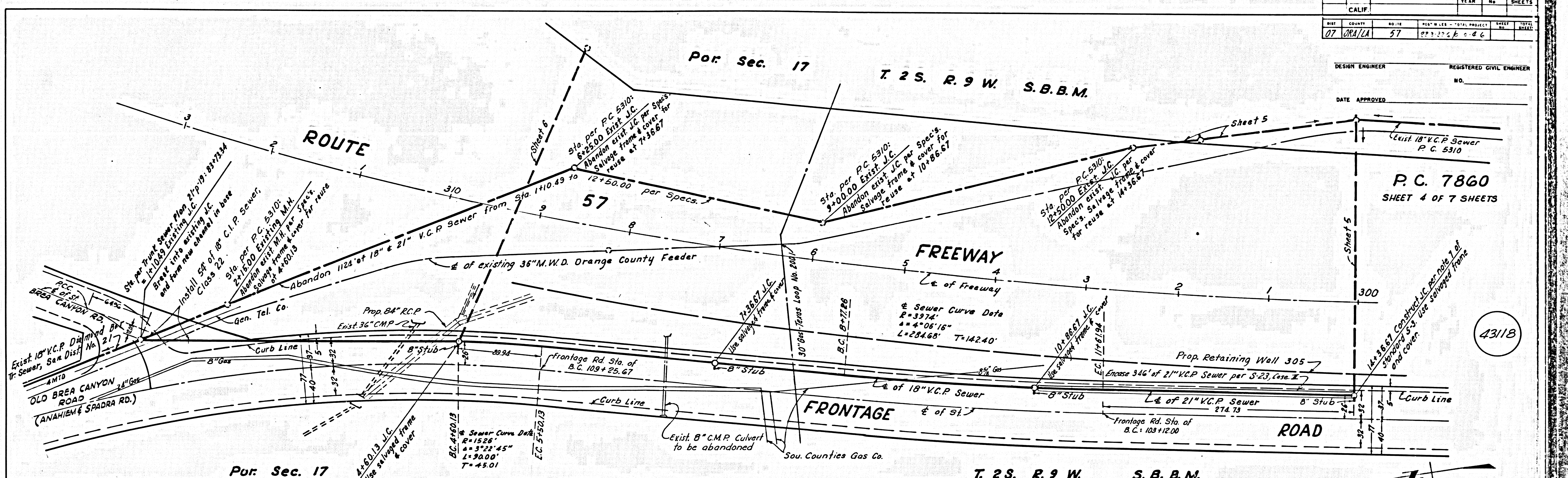
|                  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Cu. Exc.         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Yds. Emb.        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Sta.             | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| PROJECT ENGINEER |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| DATE             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| DESIGN ENGINEER  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| DATE             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| APPROVAL         |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| RECOMMENDED BY   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| DATE             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

43117



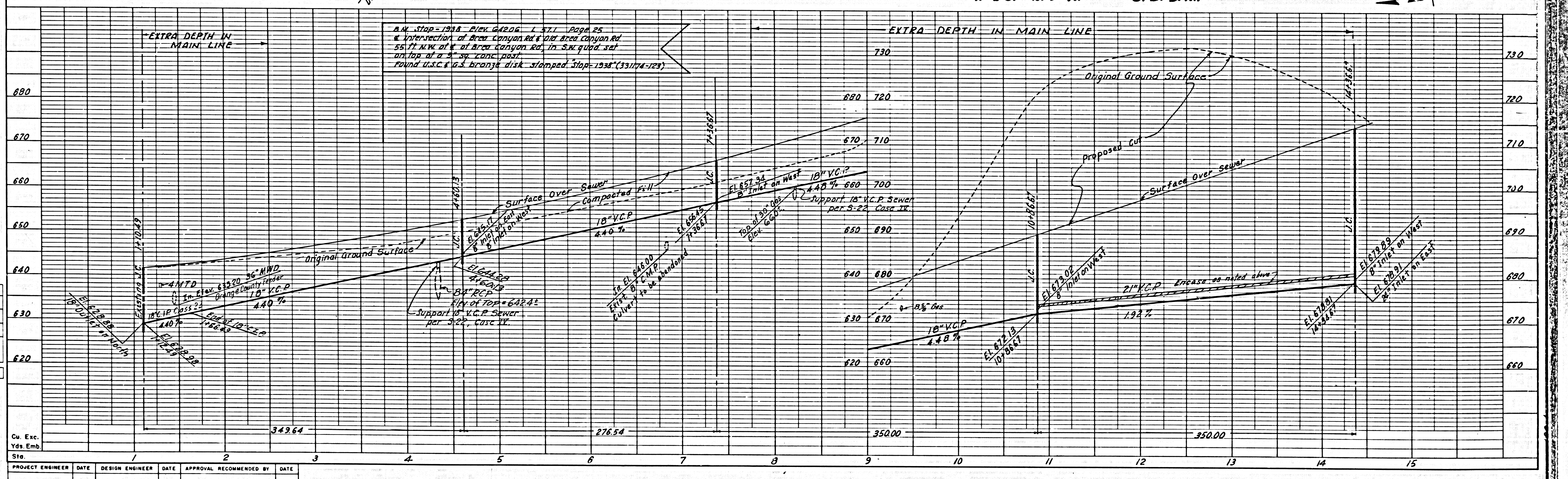
|        |        |                     |             |           |              |
|--------|--------|---------------------|-------------|-----------|--------------|
| B.P.R. | STATE  | FEDERAL PROJECT No. | FISCAL YEAR | SHEET No. | TOTAL SHEETS |
| 07     | CALIF. | 57                  | 1957        | 4         | 7            |

DESIGN ENGINEER \_\_\_\_\_ REGISTERED CIVIL ENGINEER NO. \_\_\_\_\_  
 DATE APPROVED \_\_\_\_\_



P.C. 7860  
 SHEET 4 OF 7 SHEETS

43118



|               |         |      |
|---------------|---------|------|
| DESIGN DEPT.  | INITIAL | DATE |
| DESIGNED      |         |      |
| TRACED        |         |      |
| CHECKED       |         |      |
| SUPERVISED BY |         |      |
| RIGHT OF WAY  |         |      |

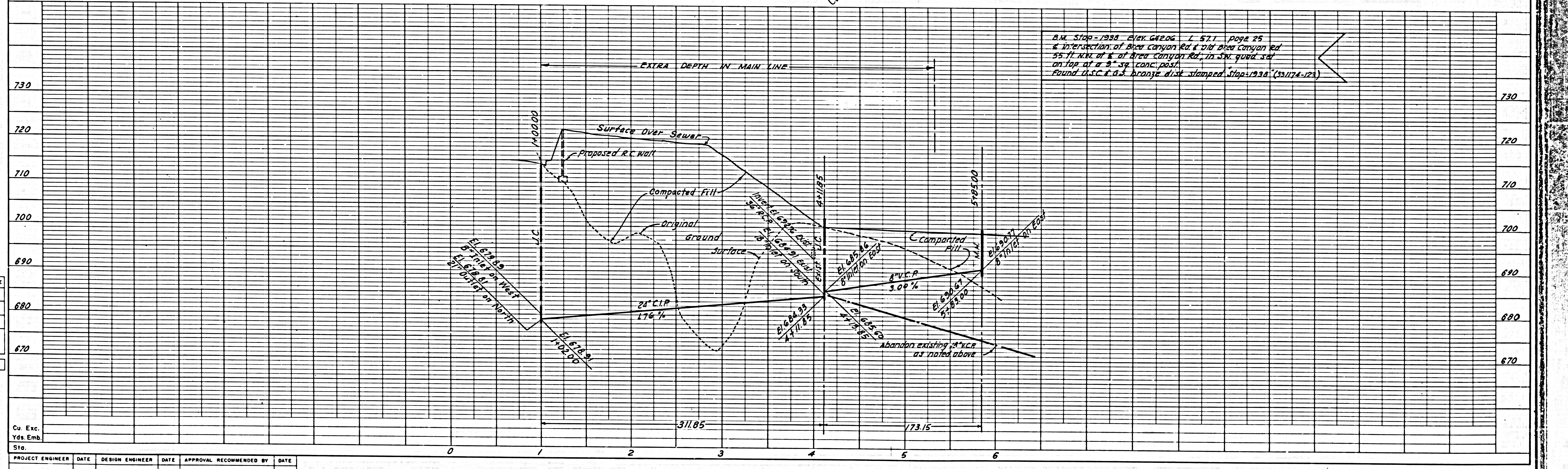
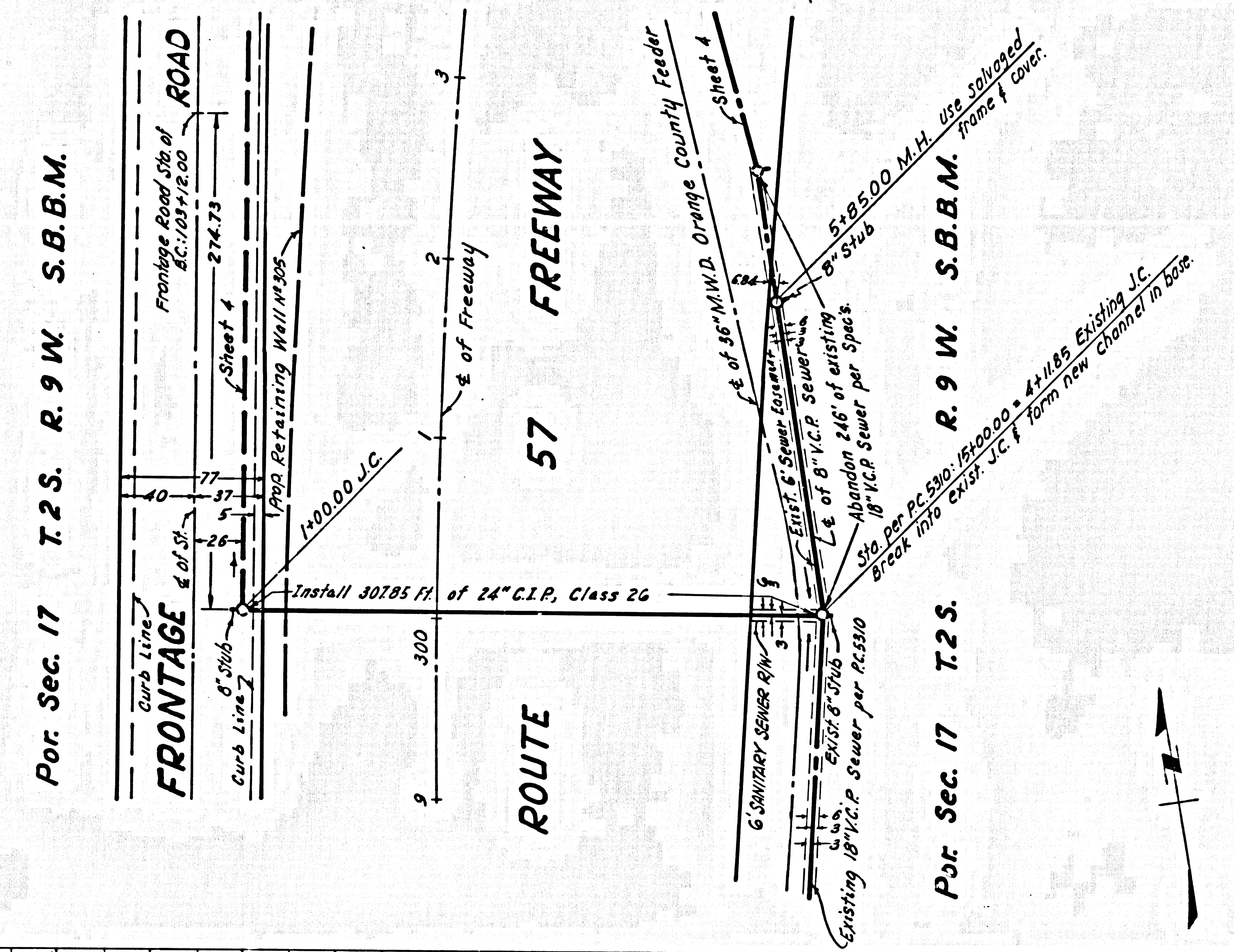
|                  |      |                 |      |                         |      |
|------------------|------|-----------------|------|-------------------------|------|
| PROJECT ENGINEER | DATE | DESIGN ENGINEER | DATE | APPROVAL RECOMMENDED BY | DATE |
|                  |      |                 |      |                         |      |



|                 |        |                           |                            |           |              |
|-----------------|--------|---------------------------|----------------------------|-----------|--------------|
| B.P.R.          | STATE  | FEDERAL PROJECT No.       | FISCAL YEAR                | SHEET No. | TOTAL SHEETS |
|                 | CALIF. |                           |                            |           |              |
| Dist.           | County | NO. IN DIST.              | POST MILES - TOTAL PROJECT | SHEET NO. | TOTAL SHEETS |
| 27              | ORANGE | 37                        | 22.474/1.4                 | 4         | 6            |
| DESIGN ENGINEER |        | REGISTERED CIVIL ENGINEER |                            |           |              |
| DATE APPROVED   |        | NO.                       |                            |           |              |

P. C. 7860  
SHEET 5 OF 7 SHEETS

4319



B.M. Slope - 1938 Elev. 682.06 L 571 Page 25  
& intersection of Area Canyon Rd & Old Area Canyon Rd  
55 ft. N.W. of E. of Area Canyon Rd, in Sec. 10, T.2S.  
on top of a 2' sq. conc. post.  
Found 1/2\"/>

|               |         |      |
|---------------|---------|------|
| DESIGN DEPT.  | INITIAL | DATE |
| DESIGNED      |         |      |
| TRACED        |         |      |
| CHECKED       |         |      |
| SUPERVISED BY |         |      |
| RIGHT OF WAY  |         |      |

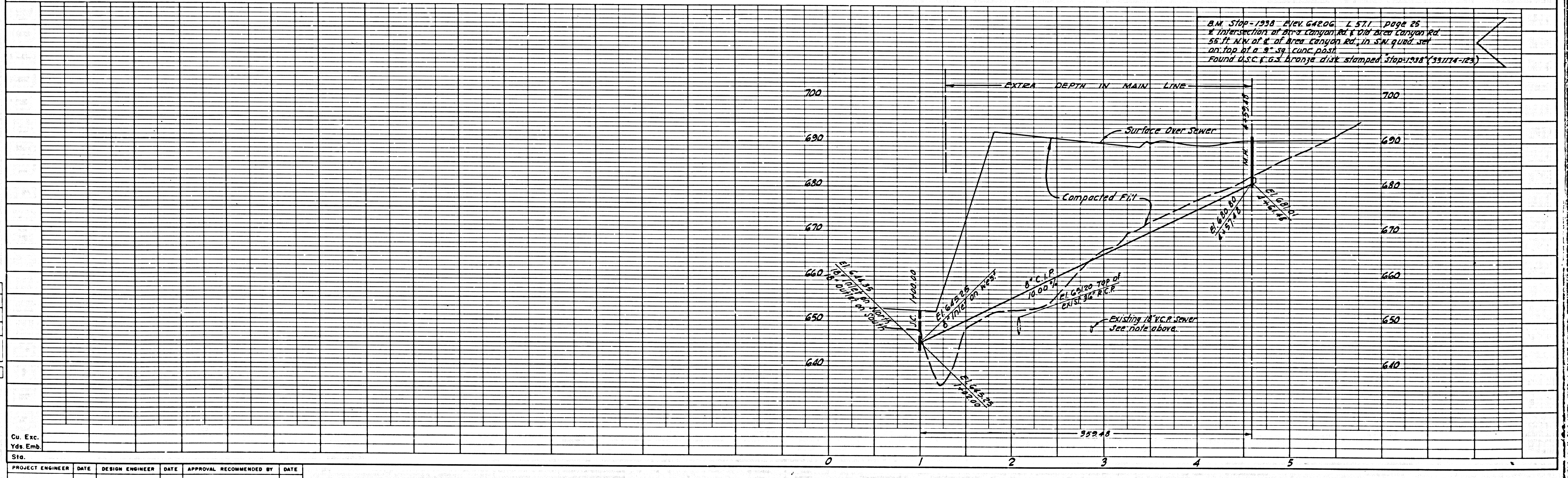
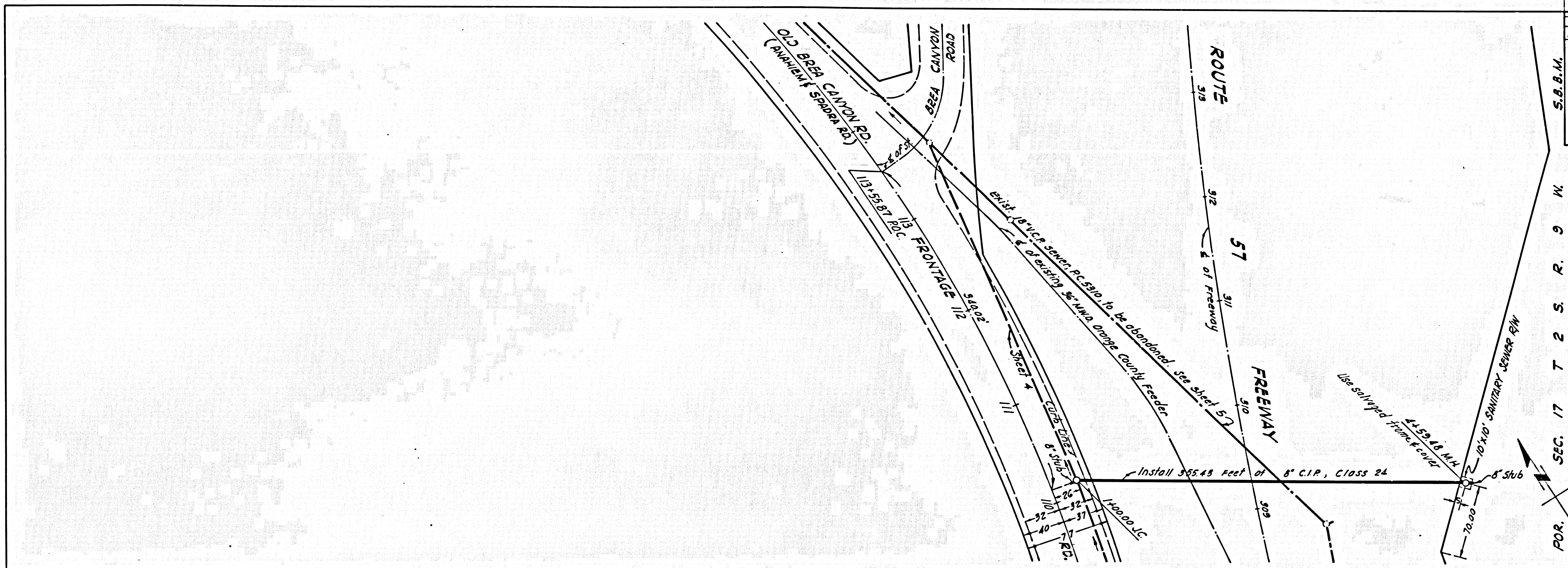
|                  |      |                 |      |                         |      |
|------------------|------|-----------------|------|-------------------------|------|
| Cu. Exc.         |      |                 |      |                         |      |
| Yds. Emb.        |      |                 |      |                         |      |
| Sta.             |      |                 |      |                         |      |
| PROJECT ENGINEER | DATE | DESIGN ENGINEER | DATE | APPROVAL RECOMMENDED BY | DATE |



| D.P.R. SEC. NO. | STATE  | FEDERAL PROJECT No. | FISCAL YEAR                | SHEET No. | TOTAL SHEETS |
|-----------------|--------|---------------------|----------------------------|-----------|--------------|
| 07              | CALIF. | 57                  | 77                         | 26        | 46           |
| COUNTY          |        | NO. 118             | POST MILES - TOTAL PROJECT |           | SHEET TOTAL  |
| 07              |        | 07                  | 77 3 26 6 70.0-4.6         |           | 26           |
| DESIGN ENGINEER |        |                     | REGISTERED CIVIL ENGINEER  |           |              |
| DATE APPROVED   |        |                     | NO.                        |           |              |

**P. C. 7860**  
SHEET 6 OF 7 SHEETS

43120



B.M. STOP-1938 Elev. 642.06 L 57.1 page 25  
at Intersection of Brea Canyon Rd. & Old Brea Canyon Rd.  
55.17' N.W. of 4' of Area Canyon Rd. in S.W. Quad. 3rd  
10x10' at a 3'-3\"/>

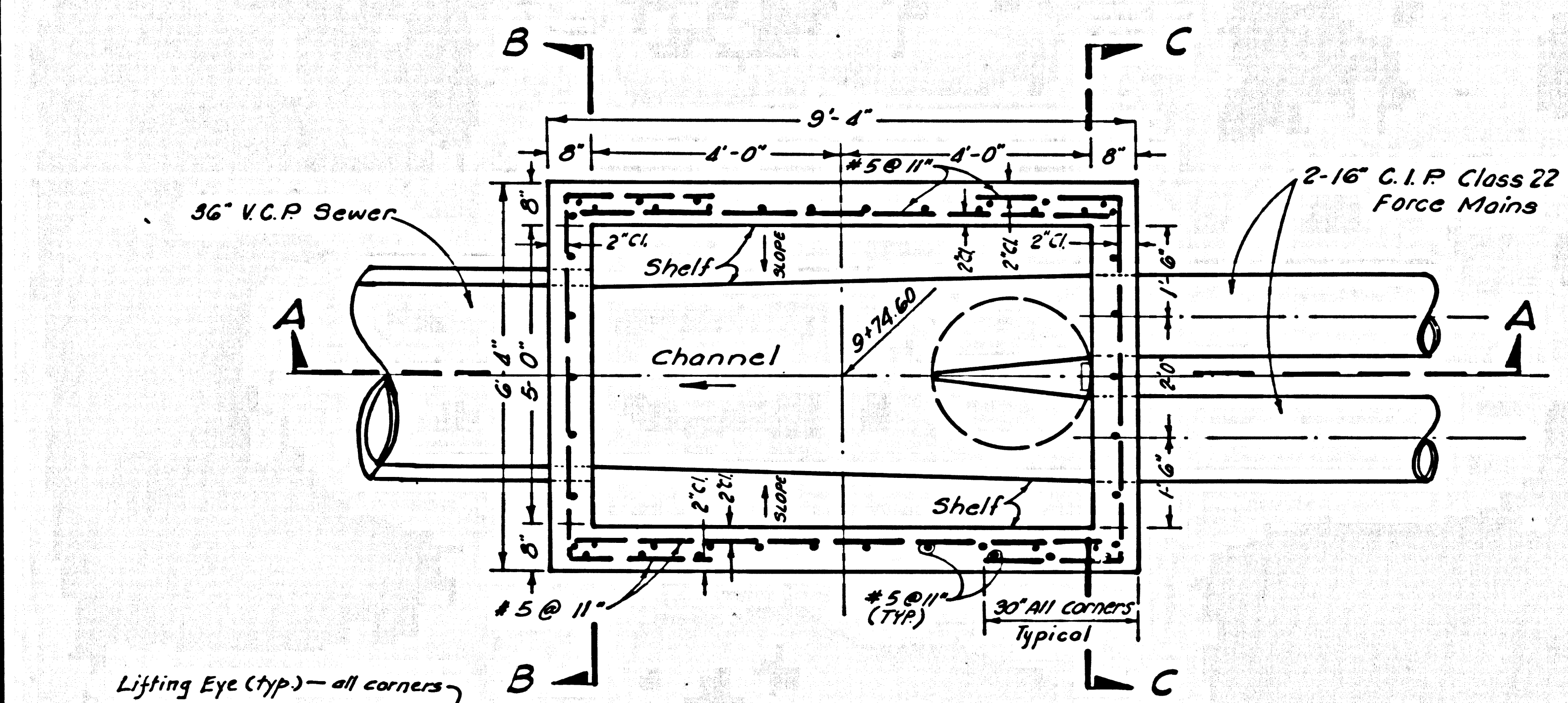
|               |         |      |
|---------------|---------|------|
| DESIGN DEPT.  | INITIAL | DATE |
| DESIGNED      |         |      |
| TRACED        |         |      |
| CHECKED       |         |      |
| SUPERVISED BY |         |      |
| RIGHT OF WAY  |         |      |

|                  |      |                 |      |                         |      |
|------------------|------|-----------------|------|-------------------------|------|
| Cu. Exc.         |      |                 |      |                         |      |
| Yds. Emb.        |      |                 |      |                         |      |
| PROJECT ENGINEER | DATE | DESIGN ENGINEER | DATE | APPROVAL RECOMMENDED BY | DATE |

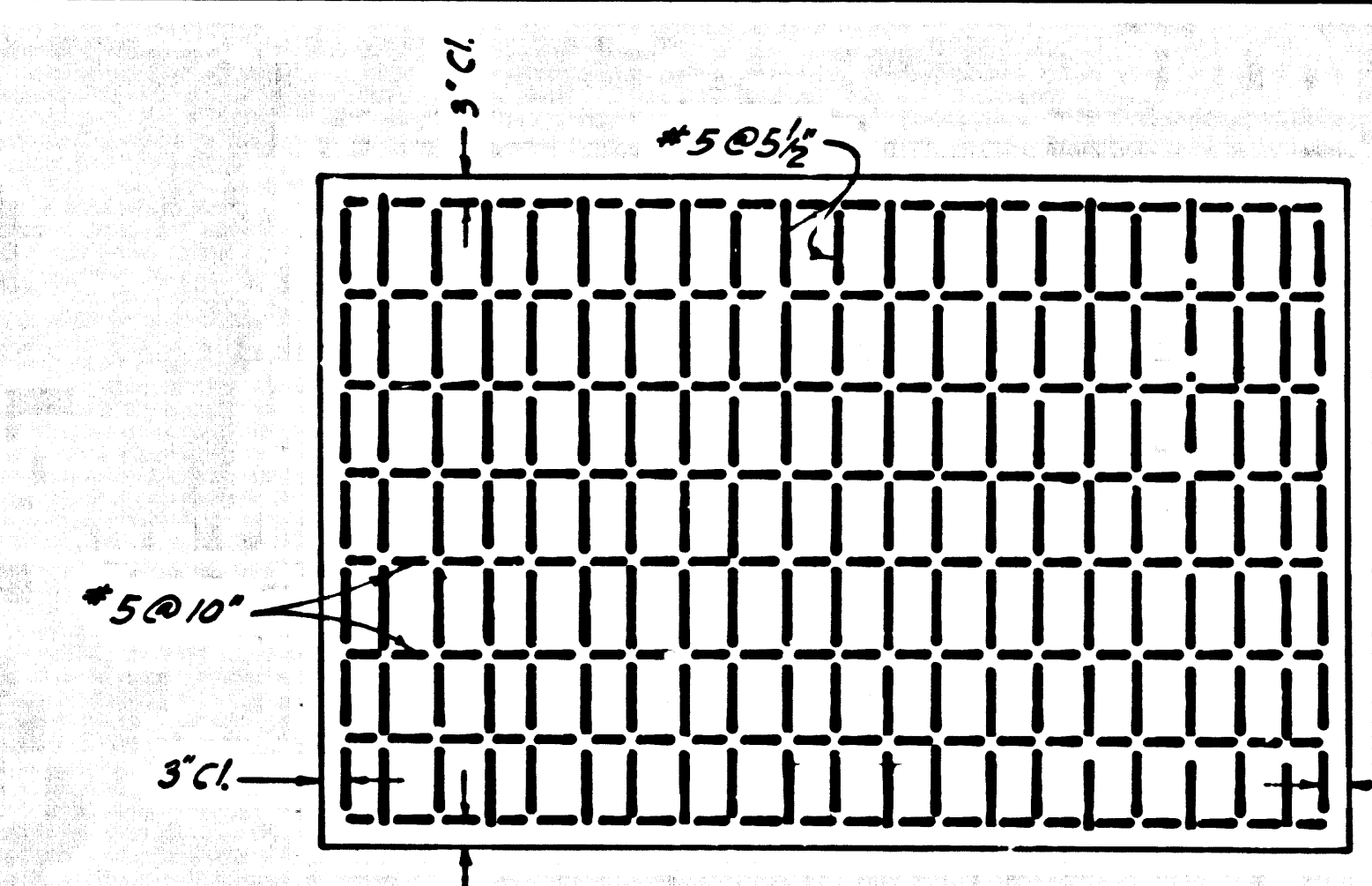


|                 |                            |             |              |              |
|-----------------|----------------------------|-------------|--------------|--------------|
| STATE           | FEDERAL PROJECT NO.        | FISCAL YEAR | SHEET NO.    | TOTAL SHEETS |
| 07 CALIF        | 57                         | 27          | 21           | 24           |
| ROUTE           | PORT MILES - TOTAL PROJECT | SHEET NO.   | TOTAL SHEETS |              |
| 07              | 27                         | 21          | 24           |              |
| DESIGN ENGINEER | REGISTERED CIVIL ENGINEER  |             |              |              |
| DATE APPROVED   | NO.                        |             |              |              |

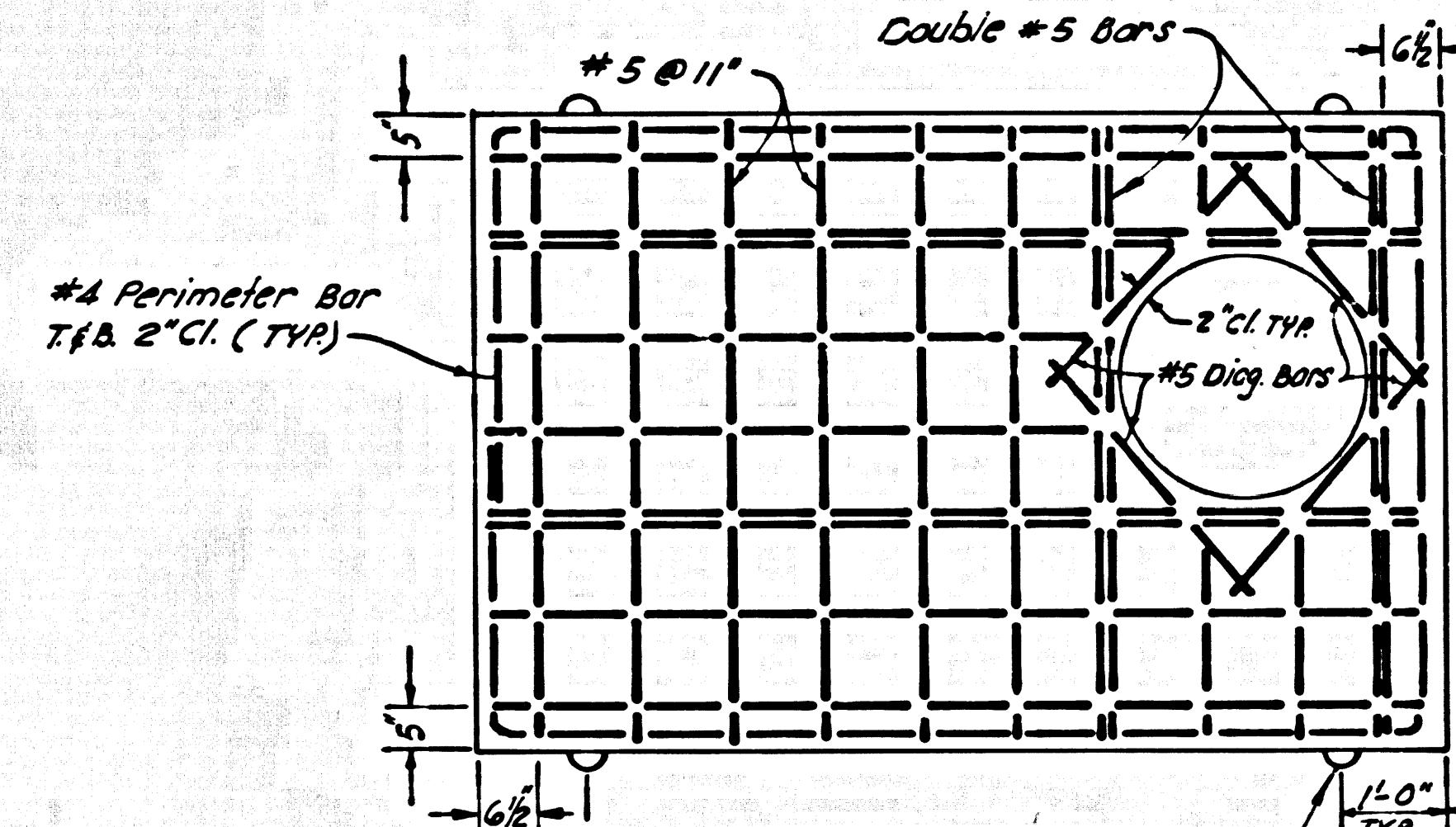
P. C. 7860  
SHEET 7 OF 7 SHEETS



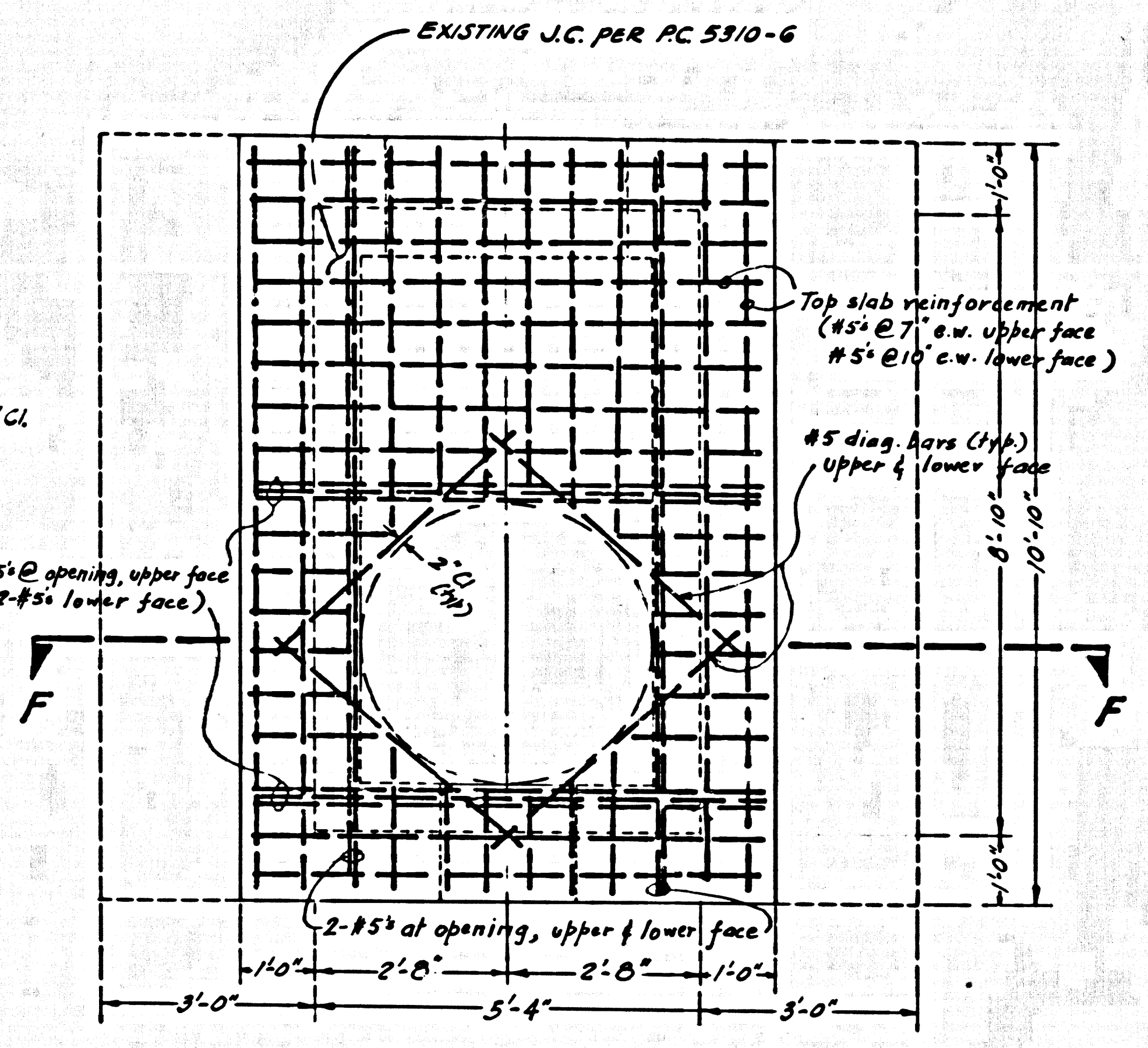
PLAN



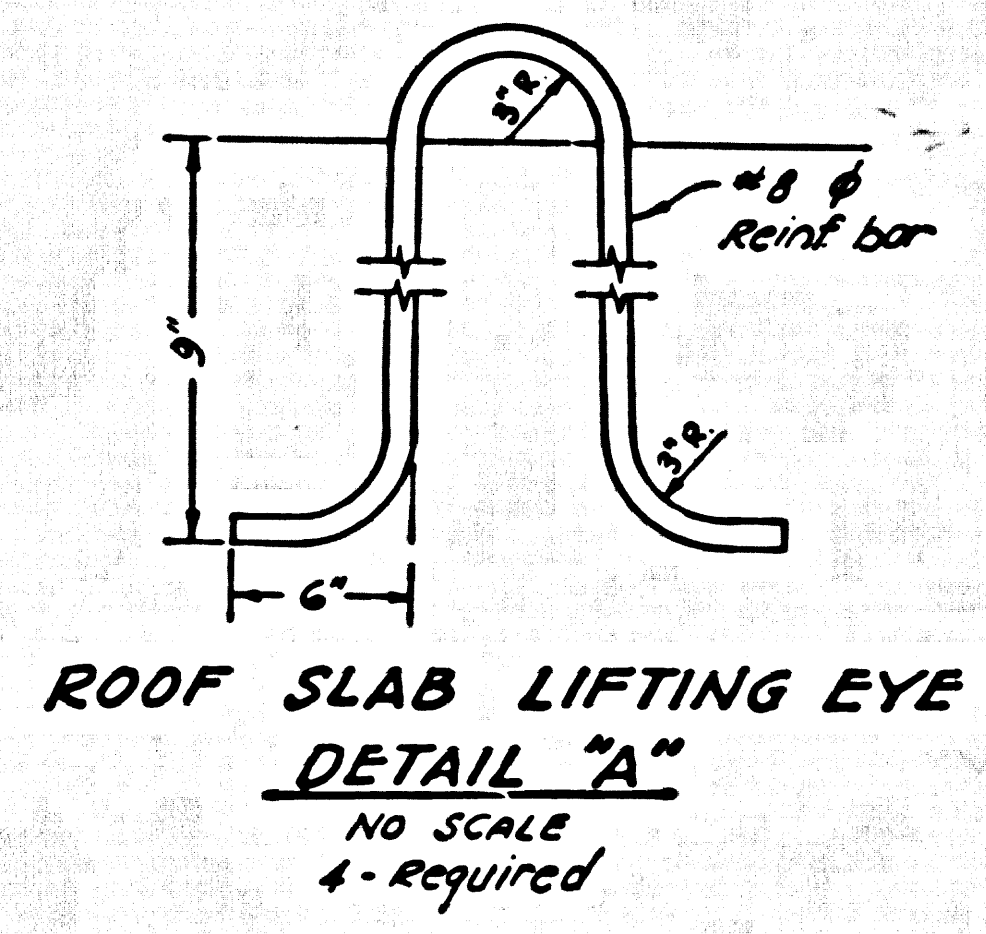
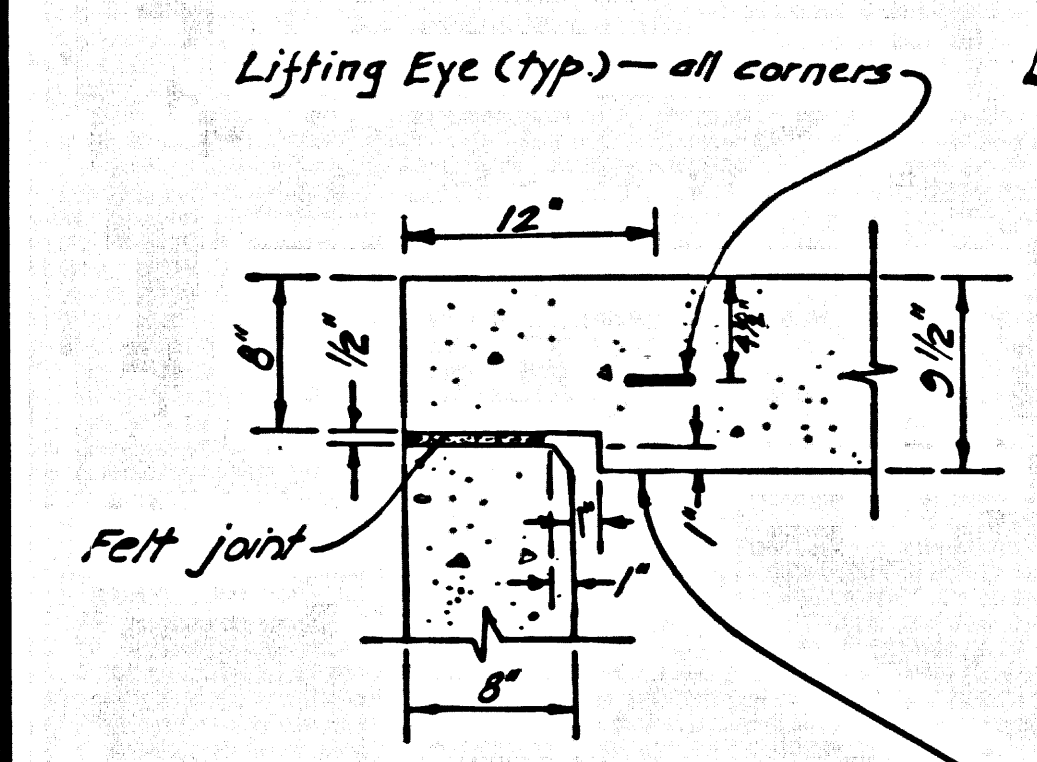
SECTION E-E



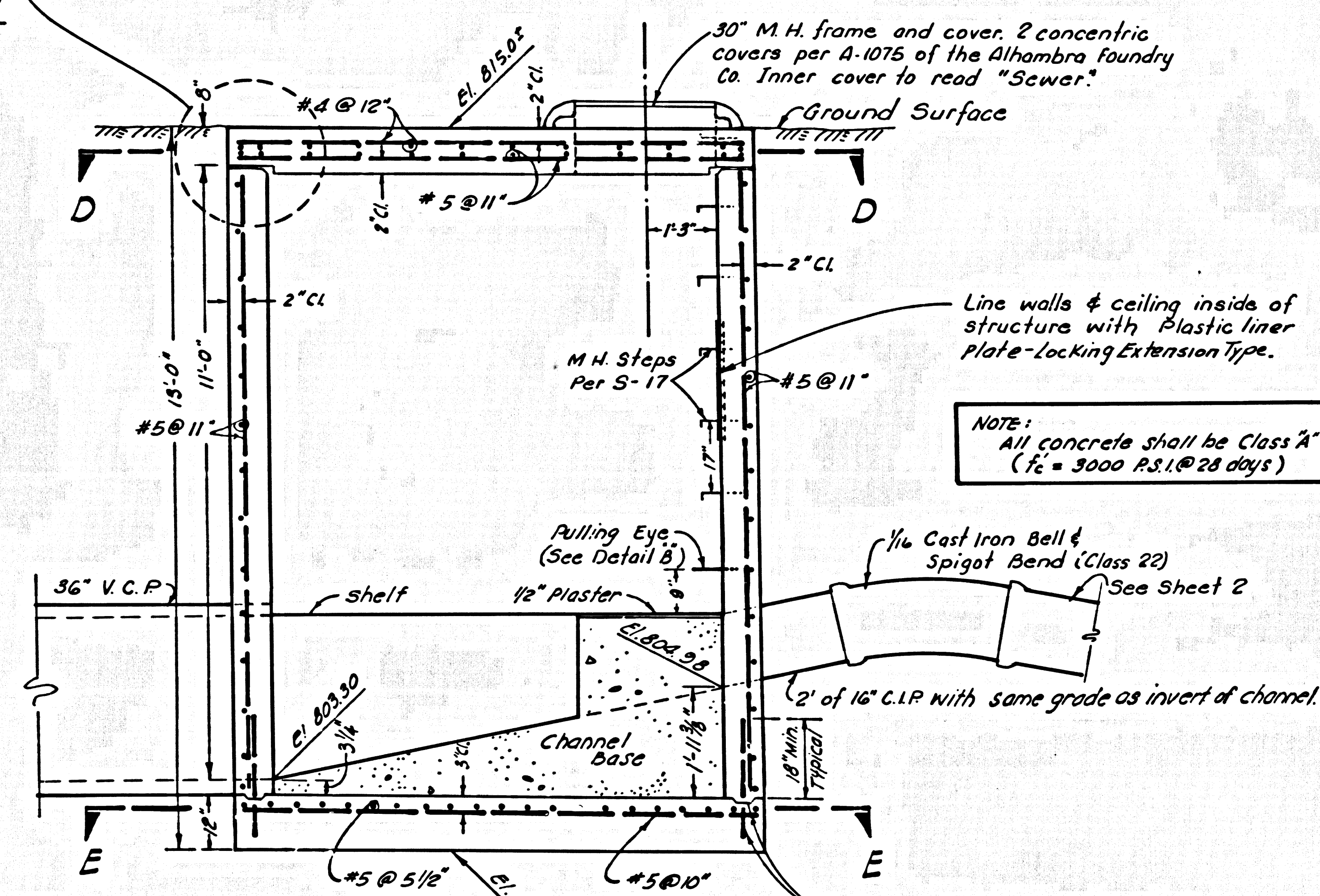
SECTION D-D



TOP VIEW

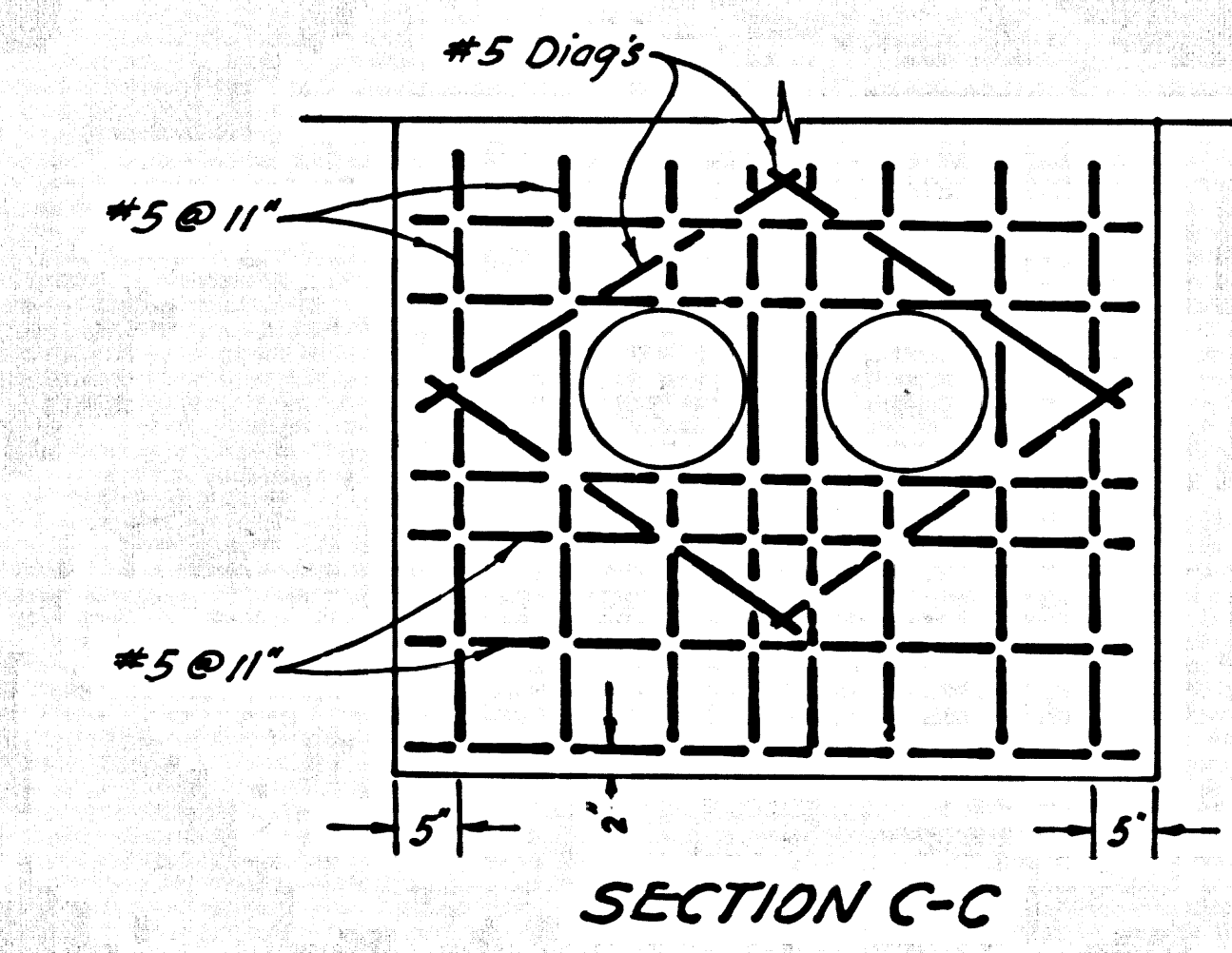


ROOF SLAB LIFTING EYE  
DETAIL "A"  
NO SCALE  
4-Required

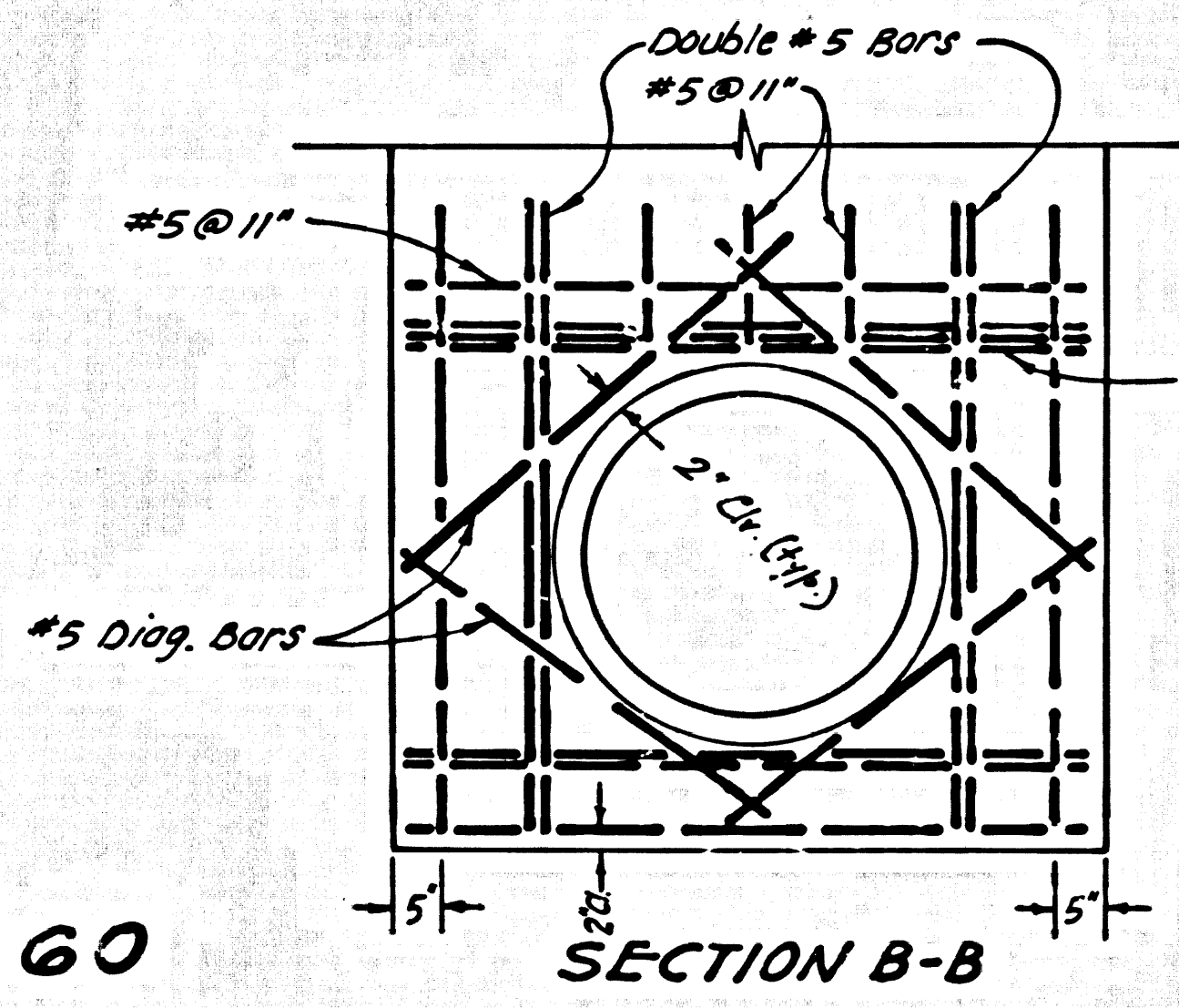


SECTION A-A

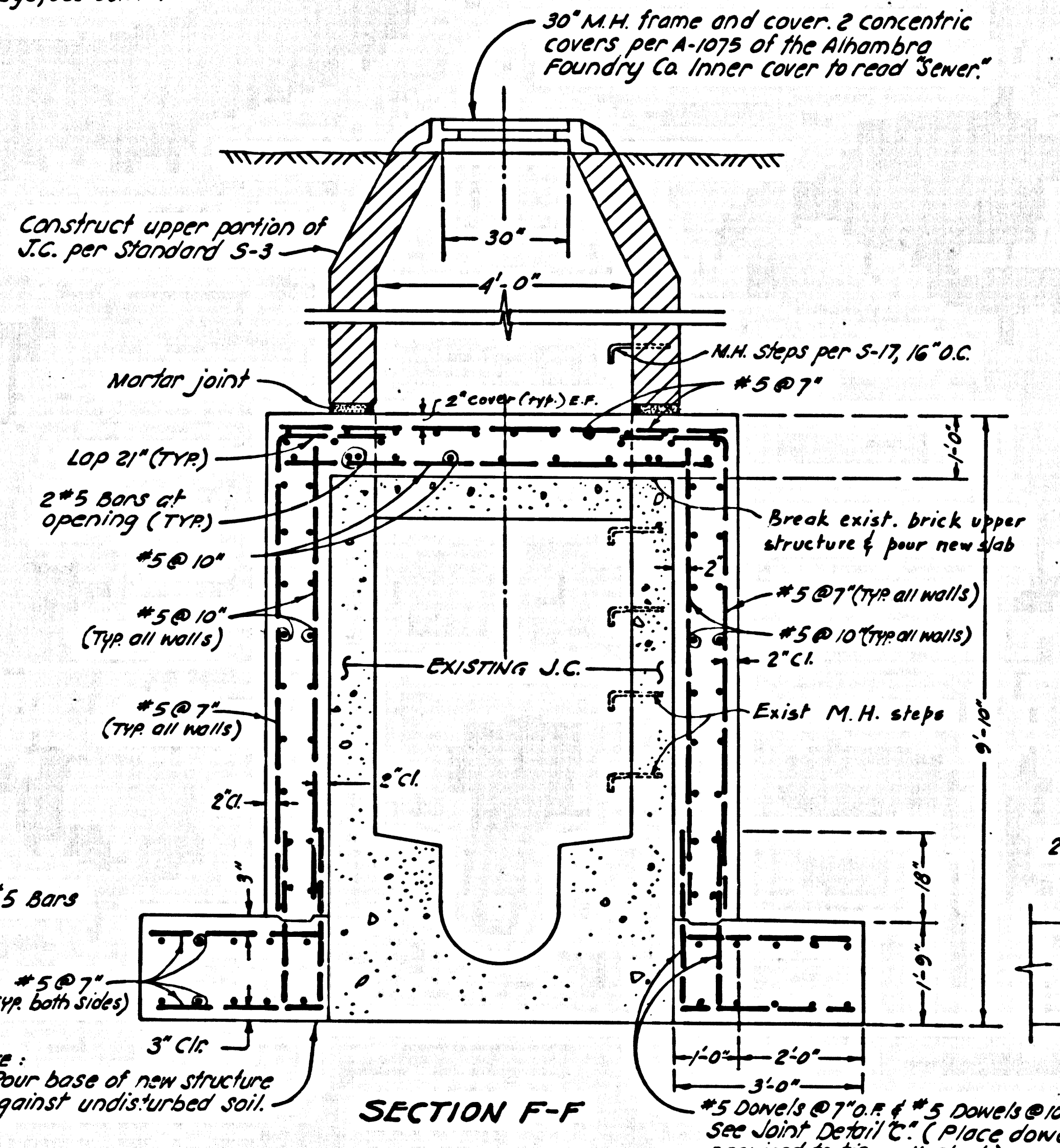
SPECIAL STRUCTURE @ STA. 9+74.60  
SCALE: 1/2" = 1'-0" EXCEPT AS NOTED



SECTION C-C

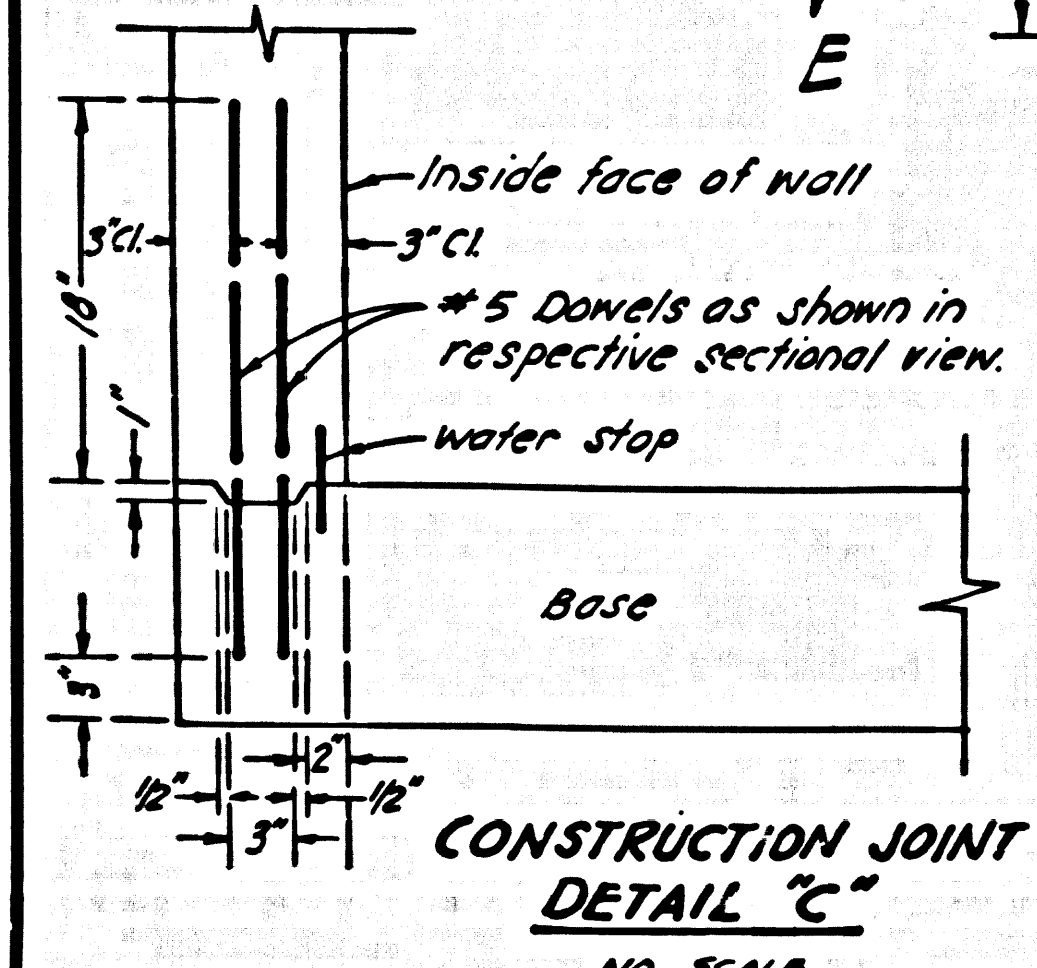


SECTION B-B

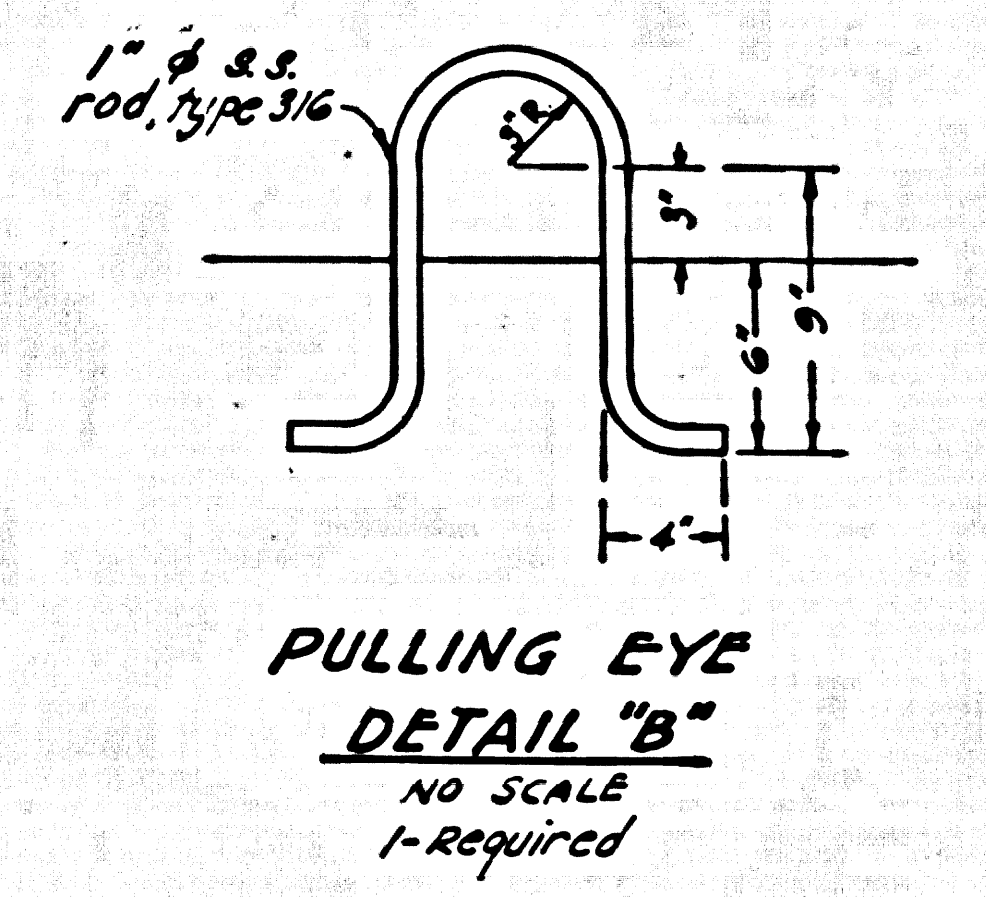


SECTION F-F

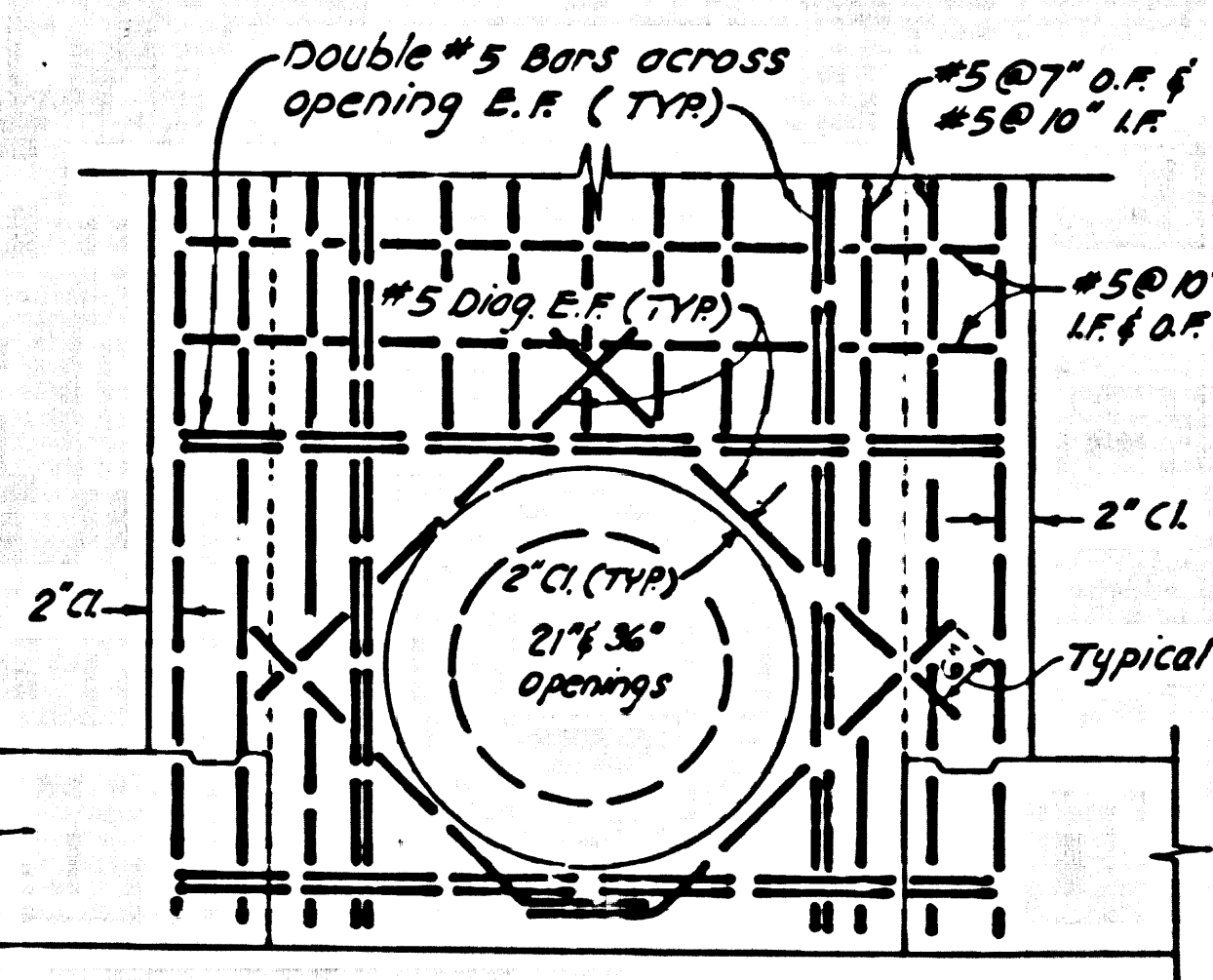
REINFORCED STRUCTURE OVER EXIST. J.C. @ STA. 1+00.00  
SCALE: 1/2" = 1'-0"



CONSTRUCTION JOINT  
DETAIL "C"  
NO SCALE



PULLING EYE  
DETAIL "B"  
NO SCALE  
1-Required



OPENING REINFORCEMENT  
OF END WALLS

|                  |      |                 |      |                         |      |
|------------------|------|-----------------|------|-------------------------|------|
| Project Engineer | Date | Design Engineer | Date | Approval Recommended By | Date |
|                  |      |                 |      |                         |      |

43121