

# APPENDIX H



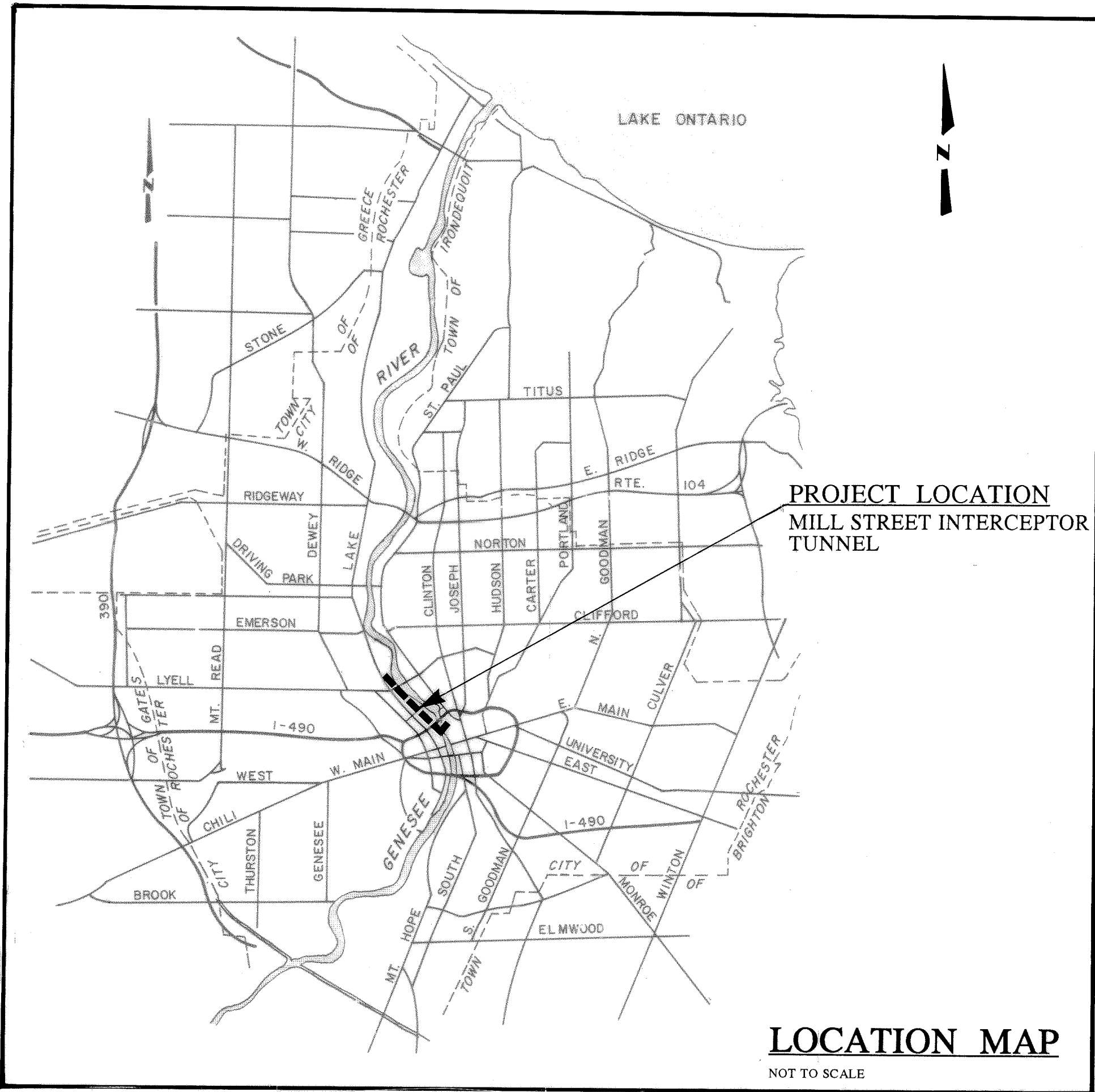
ROCHESTER PURE WATERS DISTRICT  
MONROE COUNTY, NEW YORK

MILL STREET INTERCEPTOR TUNNEL  
REHABILITATION

PROJECT NO. 51439

| INDEX OF DRAWINGS |                 |                                                                  |
|-------------------|-----------------|------------------------------------------------------------------|
| SHEET NO.         | DRAWING NO.     | TITLE                                                            |
| 1                 | COVER           | TITLE AND GENERAL LOCATION                                       |
| 2                 | I-1             | GENERAL NOTES, ABBREVIATIONS, LEGEND, AND ESTIMATE OF QUANTITIES |
| 3                 | WA-1            | WORK AREAS AND TRAFFIC MAINTENANCE                               |
| 4                 | MD-1            | MISCELLANEOUS DETAILS                                            |
| 5                 | PL-1            | PLAN AND PROFILE                                                 |
| 6                 | PL-2            | PLAN AND PROFILE                                                 |
| 7*                | SM-SW-15-4*     | OVERFLOW DROP LOCATION 15                                        |
| 8*                | SM-SW-27-7 (R)* | OVERFLOW DROP LOCATION 27 (REVISED)                              |

\* SHEETS 7 AND 8 ARE FOR INFORMATION ONLY



ROBERT L. KING  
County Executive

*Robert L. King*  
8/25/93  
DATE

JOHN E. GRAHAM, P.E.  
Director, Department Of Environmental Services

*John E. Graham*  
8/24/93  
DATE

JOHN M. DAVIS, P.E.  
Director, Department Of Engineering

*John M. Davis*  
8/24/93  
DATE

STV/SEELYE STEVENSON VALUE & KNECHT  
ENGINEERS - PLANNERS  
ST. PAUL PLACE  
151 ST. PAUL STREET  
ROCHESTER, NEW YORK

*Shawn R. Bray*  
PROJECT MANAGER SHAWN R. BRAY, P.E.

8-23-93  
DATE

*Richard J. Richter*  
RESPONSIBLE PRINCIPAL RICHARD J. RICHTER, P.E.

8.23.93  
DATE

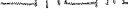
RECORD DRAWING  
I HEREBY CERTIFY BY MY SIGNATURE AND SEAL  
BELOW THAT I HAVE PREPARED THIS RECORD  
DRAWING WHICH IS A TRUE REPRESENTATION OF  
THE CONTRACT WORK AS CONSTRUCTED ON THE  
MILL ST. INT. TUNNEL REHAB.  
CAPITAL IMPROVEMENT PROJECT # 51439  
DATE 9-16-94  
STV/SEELYE STEVENSON VALUE & KNECHT



AS BUILT

| ABBREVIATIONS |                                                    |
|---------------|----------------------------------------------------|
| ©             | CENTERLINE                                         |
| C.I.P.        | CAST IRON PIPE                                     |
| CT.           | COURT                                              |
| DI.           | DIAMETER                                           |
| DWG.          | DRAWING                                            |
| FT.           | FEET                                               |
| INV.          | INVERT                                             |
| L.F.          | LINEAR FEET                                        |
| L.S.          | LUMP SUM                                           |
| MCDES         | MONROE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES |
| MCDOT         | MONROE COUNTY DEPARTMENT OF TRANSPORTATION         |
| MO.           | MONTH                                              |
| MS            | MILL STREET (BORING OR STATION)                    |
| M.U.T.C.D.    | MANUAL URBAN TRAFFIC CONTROL DEVICES               |
| NO.           | NUMBER                                             |
| NTS           | NOT TO SCALE                                       |
| N.Y.S.D.O.T.  | NEW YORK STATE DEPARTMENT OF TRANSPORTATION        |
| O.C.          | ON CENTER                                          |
| P.I.          | POINT OF INTERSECTION                              |
| ±             | PROPERTY LINE                                      |
| PVC           | POLYVINYL CHLORIDE PIPE                            |
| R.O.W.        | RIGHT OF WAY                                       |
| S             | SOUTH                                              |
| S.F.          | SQUARE FOOT                                        |
| SM            | STATE-MT. HOPE (BORING OR STATION)                 |
| ST            | STREET                                             |
| STA.          | STATION                                            |
| Typ.          | TYPICAL                                            |

## LEGEND

|                                                                                     |                                    |
|-------------------------------------------------------------------------------------|------------------------------------|
|    | BORING                             |
|    | BRICK LINING                       |
|    | STATE-MT. HOPE<br>TUNNEL ALIGNMENT |
|    | RAILROAD TRACK                     |
|    | RAILROAD TRACKS                    |
|    | ROCK FACE                          |
|    | PROPERTY LINE                      |
|   | RIGHT-OF-WAY                       |
|  | CENTERLINE                         |

| ESTIMATE OF QUANTITIES |                                                          |      |          | FINAL QUANTITY |
|------------------------|----------------------------------------------------------|------|----------|----------------|
| ITEM NO.               | DESCRIPTION                                              | UNIT | QUANTITY |                |
| 701                    | ROCK DOWELS                                              | EACH | 1,450    | 1,446          |
| 702                    | ROCK DOWELS WITH STEEL STRAP                             | SET  | 40       | 40             |
| 703                    | 3 INCH STEEL FIBER REINFORCED SHOTCRETE                  | S.F. | 2,500    | 2,500          |
| 704                    | GROUTING BEHIND BRICK LINER                              | L.S. | NEC.     | 100%           |
| 705                    | BRICK LINER REPAIR AT FACTORY STREET REGULATOR           | L.S. | NEC.     | 100%           |
| 706                    | REPAIR BRICK LINER BETWEEN STATION MS 26+56 AND MS 27+99 | L.S. | NEC.     | 100%           |
| 1101                   | TEMPORARY CHAIN LINK FENCING                             | L.F. | 800      | 525.7          |
| 1201                   | CLEANING, SCALING AND REMOVAL OF TUNNEL DEBRIS           | TON  | 450      | 163.16         |
| 1501                   | MAINTENANCE AND PROTECTION OF TRAFFIC                    | L.S. | NEC.     | 100%           |
| 1801                   | FLOW DIVERSION AT FRONT STREET REGULATOR                 | L.S. | NEC.     | 100%           |
| 1901                   | CONSULTANT'S FIELD OFFICE                                | MO.  | 8        | 7              |

| ADD ALTERNATE NO. 1 |                                                    |      |          |                |
|---------------------|----------------------------------------------------|------|----------|----------------|
| ITEM                | DESCRIPTION                                        | UNIT | QUANTITY | FINAL QUANTITY |
| 703A                | ADDITIONAL 3 INCH STEEL FIBER REINFORCED SHOTCRETE | S.F. | 2,000    | 2,000          |

| ADD/Deduct Items |                              |      | Final Quantity |
|------------------|------------------------------|------|----------------|
| Item             | Description                  | Unit |                |
| 701A             | ROCK DOWELS                  | EACH | 0              |
| 702A             | ROCK DOWELS WITH STEEL STRAP | SET  | 18             |
| 704A             | CEMENT FOR GROUTING          | BAG  | 640            |

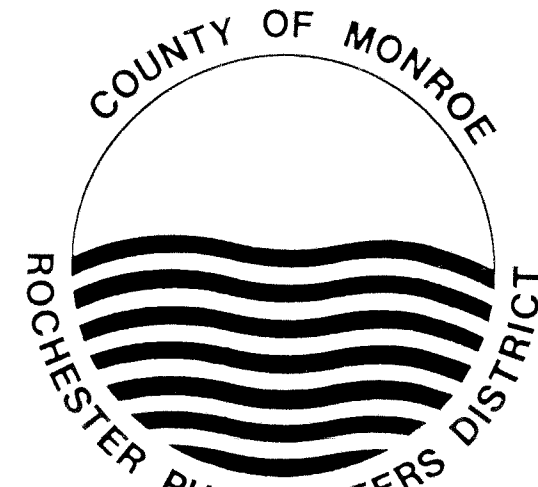
GENERAL NOTES:

1. THE WORK AREAS ARE SHOWN ON THE PLANS. ANY CHANGES TO THE WORK AREA FOR THE CONTRACTOR'S CONVENIENCE SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE TIME OF CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF PROPERTY ADJACENT TO THE WORK AREA, ANY DAMAGE OCCURRING ON ACCOUNT OF ANY ACTION BY THE CONTRACTOR SHALL BE RESTORED IN A MANNER SATISFACTORY TO THE PROPERTY OWNER AT THE EXPENSE OF THE CONTRACTOR.
3. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY SURVEY MARKERS DISTURBED AS A RESULT OF HIS CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL RESET THE DISTURBED SURVEY MARKERS AND PROVIDE SURVEY NOTES TO THE OWNER SIGNED BY A LICENSED LAND SURVEYOR THAT VERIFIES THEIR LOCATION.
4. PROPERTY OWNERS SHALL BE NOTIFIED 24 HOURS PRIOR TO ANY CONSTRUCTION WORK EITHER ON THEIR PROPERTY OR ALONG THE RIGHT-OF-WAY IN FRONT OF THEIR PROPERTY.
5. SAW CUTTING SHALL BE REQUIRED FOR ALL TRENCH AND EXCAVATION WORK WITHIN PAVED AREAS. REGARDLESS OF THE TECHNICAL SPECIFICATION WORKING, NO SEPARATE PAYMENT WILL BE MADE FOR SAW CUTTING. SAW CUTTING SHALL BE INCLUDED IN THE COST FOR ALL SAW CUTTING (INCLUDING FULL DEPTH PAVEMENT SAW CUTTING) WILL BE INCLUDED IN THE RESPECTIVE BID ITEMS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND DEPTHS OF ALL UTILITIES AND STRUCTURES THAT MAY BE IMPACTED BY THE CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITY OWNERS IN AMPLE TIME FOR THEM TO LOCATE AND MARK THEIR FACILITIES. THE CONTRACTOR SHALL ALSO NOTIFY CENTRAL STAKE-OUT AT LEAST 48 HOURS IN ADVANCE OF COMMENCING ANY WORK (TEL. NO. 1-800-962-7962). THE CONTRACTOR SHALL ALSO NOTIFY THE CONSULTANT AT LEAST 48 HOURS IN ADVANCE OF ANY WORK.
7. THE ADJUSTMENT, RELOCATION OR REPLACEMENT OF EXISTING TELEPHONE, ELECTRIC, CABLE TV, OR GAS FACILITIES SHALL BE PERFORMED BY THE PRIVATE UTILITY COMPANIES. THE UTILITY COMPANIES MUST BE INFORMED BY THE CONTRACTOR, BEFORE CONSTRUCTION IS STARTED, TO DETERMINE THE EXACT LOCATION OF ANY UTILITIES THAT ARE TO BE ADJUSTED, RELOCATED OR REMOVED. THE COST FOR SUPPORTING UTILITIES SHALL BE PERFORMED BY THE UTILITY COMPANIES THAT IS TO BE DONE DURING THE CONSTRUCTION OF THE PROJECT.
8. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PRESERVE THE INTEGRITY OF EXISTING UTILITIES TO REMAIN AND PROVIDE UNINTERRUPTED SERVICE TO ALL USERS OF THE EXISTING UTILITIES. EXISTING UTILITIES (TO REMAIN) ENCOUNTERED IN TRENCH OR PAVEMENT EXCAVATIONS SHALL BE SUPPORTED AS ORDERED BY THE ENGINEER OR AS DIRECTED BY THE UTILITY COMPANIES. THE COST FOR SUPPORTING UTILITIES SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 1501, MAINTENANCE AND PROTECTION OF TRAFFIC.
- △ 9. NO SEPARATE PAYMENT WILL BE MADE FOR TEMPORARY SHEETING OF EXCAVATIONS FOR WORK IN THIS PROJECT. THE COST OF PROVIDING ALL NECESSARY TRENCH PROTECTION IN ACCORDANCE WITH OSHA SHALL BE INCLUDED IN THE RESPECTIVE BID ITEMS.
10. THE TUNNEL STATIONING SHOWN ON THE PLANS WAS DERIVED FROM RECORD DRAWINGS AND IS NOT THE RESULT OF A CONTROL SURVEY.
11. THE MILL STREET INTERCEPTOR TUNNEL SHALL BE CLEANED BETWEEN JULY OF 1990 AND MAY OF 1991 AS PART OF THE STATE-MT. HOPE TUNNEL CONTRACT. APPROXIMATELY 680 TONS OF DEBRIS WAS REMOVED. NO SCALING WAS PERFORMED AS PART OF THIS CLEANING WORK.
12. ALL UNDERGROUND CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH OSHA SECTION 1926 SUBPART S.
13. DURING CONSTRUCTION, NO FLOWS SHALL BE PERMITTED TO ENTER THE CLIFF STREET SCREENHOUSE, ALL FLOWS THAT ARE PRESENT WITHIN THE TUNNEL SHALL BE DIVERTED TO THE SITE 14 DIVERSION STRUCTURE. THE CONTRACTOR SHALL CONSTRUCT A BULKHEAD WITHIN THE TUNNEL TO PREVENT FLOWS FROM BYPASSING THE DIVERSION STRUCTURE TO THE SCREENHOUSE. FLOWS SHALL BE PUMPED OR PIPED INTO THE DIVERSION STRUCTURE. THE CONTRACTOR MAY REMOVE AND REPLACE THE FIBERGLASS WEIR AND SHALL REMOVE SANDBAGS AND CUT OUT THE STEEL LINER TO THE ELEVATION OF EXISTING CONCRETE TO FACILITATE DIVERSION OF FLOWS TO DIVERSION STRUCTURE 14.
- △ 14. THE CONTRACTOR SHALL PROVIDE A WEIR OR DAM SO GRIT AND FINES SETTLE OUT PRIOR TO REACHING DIVERSION STRUCTURE 14 OR THE CLIFF STREET SCREENHOUSE. THIS MATERIAL SHALL BE CLEANED OUT ON A PERIODIC BASIS AND DISPOSED OF IN THE TRANSFER BINS PROVIDED BY THE COUNTY. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN ITEM 1201, CLEANING, SCALING AND REMOVAL OF TUNNEL DEBRIS.
- △ 15. THE CONTRACTOR IS RESPONSIBLE FOR THE SAFETY OF PERSONNEL IN THE TUNNEL DURING WET WEATHER FLOW.
- △ 16. THE CONTRACTOR SHALL CLEAN UP ALL DEBRIS, TRASH AND VEGETATION FROM THE WORK SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR SITE CLEANLINESS UNTIL THE SITE IS TURNED BACK TO THE OWNER. DEBRIS FOR THIS WORK SHALL BE INCLUDED IN ITEM 1501, MAINTENANCE AND PROTECTION OF TRAFFIC.

**RECORD DRAWING**  
I HEREBY CERTIFY BY MY SIGNATURE AND SEAL  
BELOW THAT I HAVE PREPARED THIS RECORD  
DRAWING WHICH IS A TRUE REPRESENTATION OF  
THE CONTRACT WORK AS CONSTRUCTED ON THE  
MILL ST. INT. TUNNEL REHAB.  
(Project Name)  
CAPITAL IMPROVEMENT PROJECT # 51439  
DATE 9-16-94  
STV/SEELYE STEVENSON VALUE & FOREMAN



AS BUILT

[illegible]

MONROE COUNTY, NEW YORK

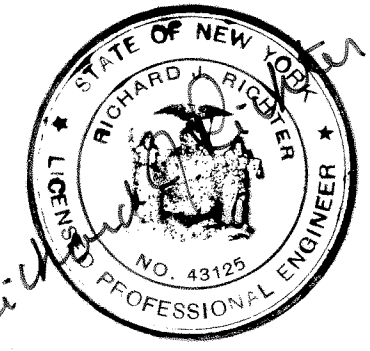
ROBERT L. KING

County Executive



**STV/SEELYE STEVENSON  
VALUE & KNECHT  
ENGINEERS · PLANNERS**

ST. PAUL PLACE  
151 ST. PAUL STREET  
ROCHESTER, NY 14604



DESIGN CONSULTANT

NOTE: UNAUTHORIZED ALTERATION OR ADDITION TO THIS  
DRAWING IS A VIOLATION OF THE NEW YORK  
STATE EDUCATION LAW ARTICLE 145, SECTION  
7209

PROJECT

# MILL STREET INTERCEPTOR TUNNEL REHABILITATION

|       |                                                                           |
|-------|---------------------------------------------------------------------------|
| TITLE | GENERAL NOTES,<br>ABBREVIATIONS,<br>LEGEND, AND<br>ESTIMATE OF QUANTITIES |
|-------|---------------------------------------------------------------------------|

|                         |                   |              |
|-------------------------|-------------------|--------------|
| DESIGNED BY<br>H. L. H. |                   | CONTRACT NO. |
| DRAWN BY<br>T. E. R.    |                   | DRAWING NO.  |
| CHECKED BY<br>S. R. B.  |                   | I - 1        |
| APPROVED BY<br>R. J. R. |                   |              |
| SCALE<br>NONE           | DATE<br>JUNE 1993 | FILE NO.     |
| SHEET 2 OF 8            |                   |              |



DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

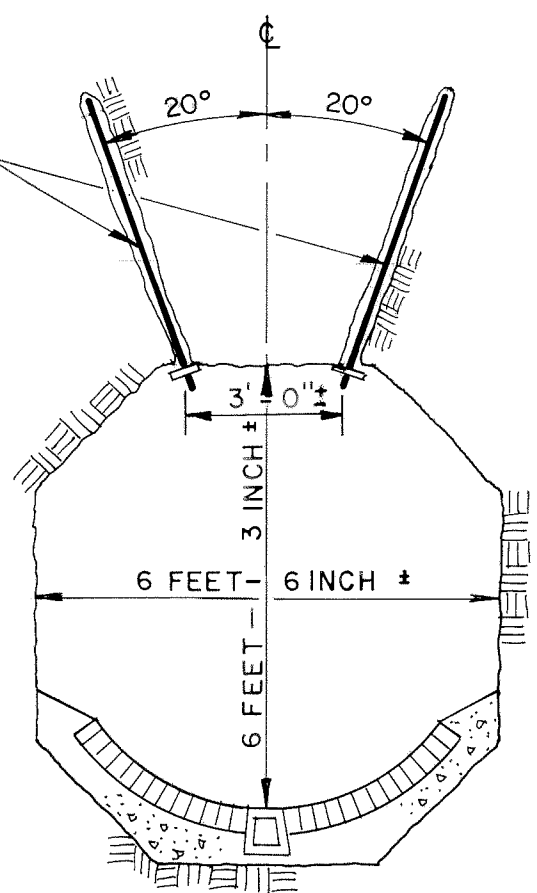
DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA  
RENDERED BY NUMBER 17584  
REGISTERED PROFESSIONAL ENGINEER  
NO. 43120  
EXPIRATION DATE 12/31/94

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA  
RENDERED BY NUMBER 17584  
REGISTERED PROFESSIONAL ENGINEER  
NO. 43120  
EXPIRATION DATE 12/31/94

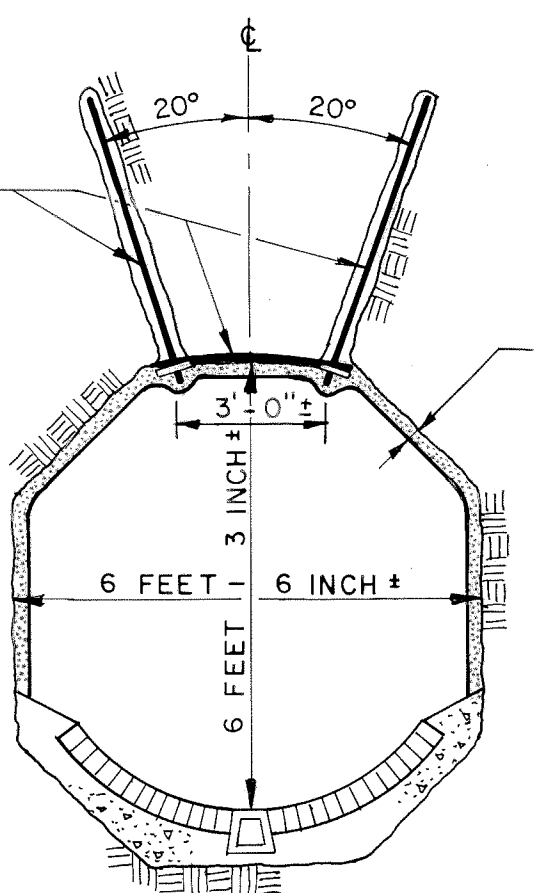
PLAN HOLD CORPORATION • IRVINE, CALIFORNIA  
RENDERED BY NUMBER 17584  
REGISTERED PROFESSIONAL ENGINEER  
NO. 43120  
EXPIRATION DATE 12/31/94

INSTALL NO. 8 ROCK BOLT WITH STEEL PLATE, 4 FOOT EMBEDMENT LENGTH, 4 FOOT LONGITUDINAL SPACING, 5 FOOT ON CENTER, PAY ITEM 701 (TYP.)



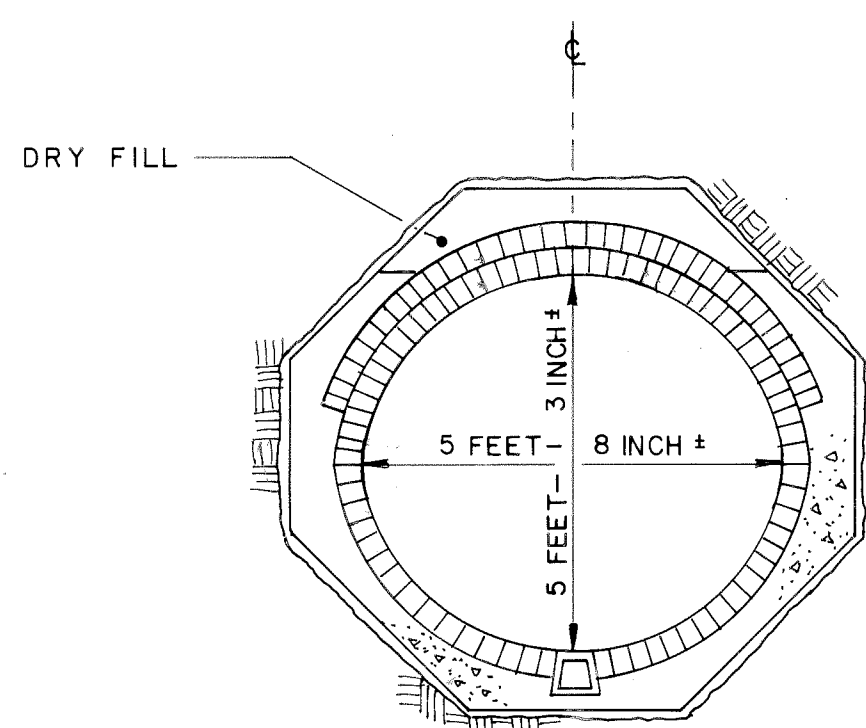
TYPICAL SECTION A

INSTALL 2 EACH NO. 8 ROCK BOLTS, 4 FOOT EMBEDMENT LENGTH, AND LONGITUDINAL SPACING, 5 FOOT ON CENTER WITH 1/4 INCH THICK STEEL STRAP BETWEEN BOLTS, PAY ITEM 702 (TYP.)



TYPICAL SECTION B

PROVIDE 3 INCH THICK STEEL FIBER REINFORCED SHOTCRETE, PAY ITEM 703



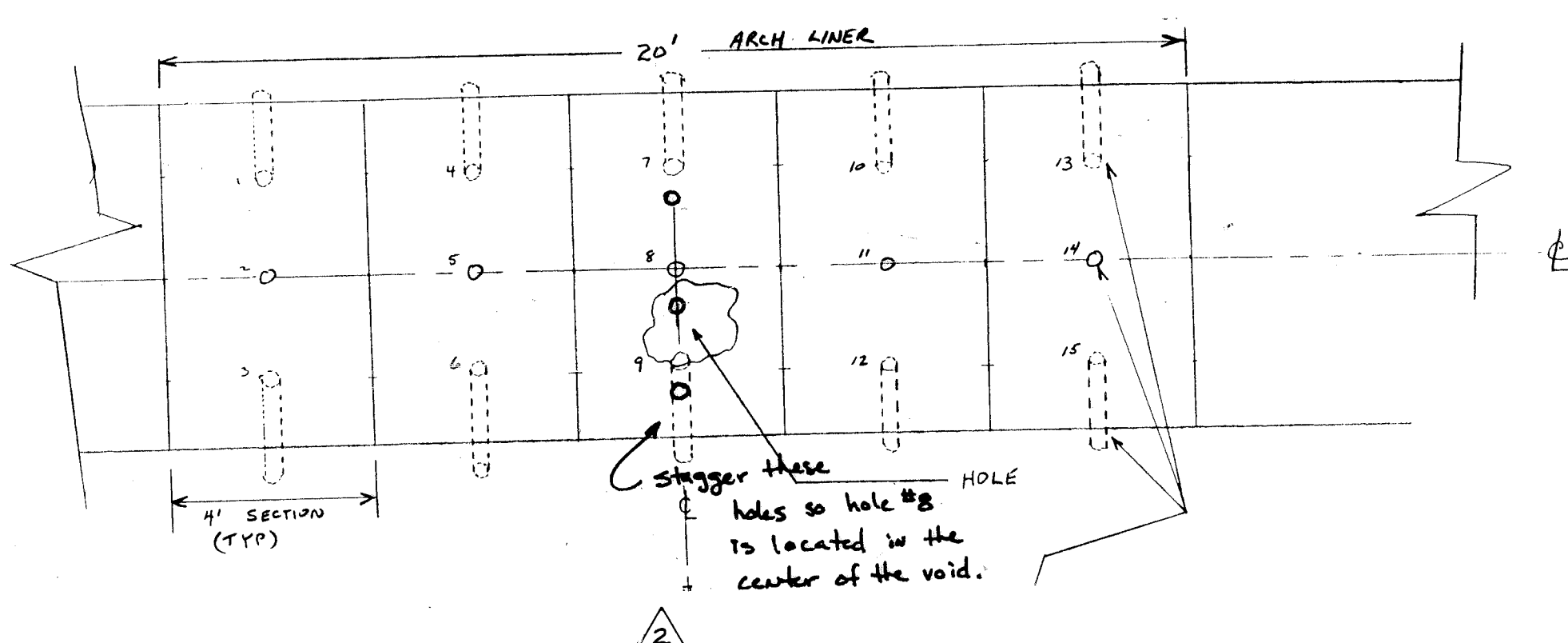
TYPICAL SECTION C

### MILL STREET INTERCEPTOR TUNNEL TYPICAL SECTIONS

SCALE: 3/8" = 1'-0"

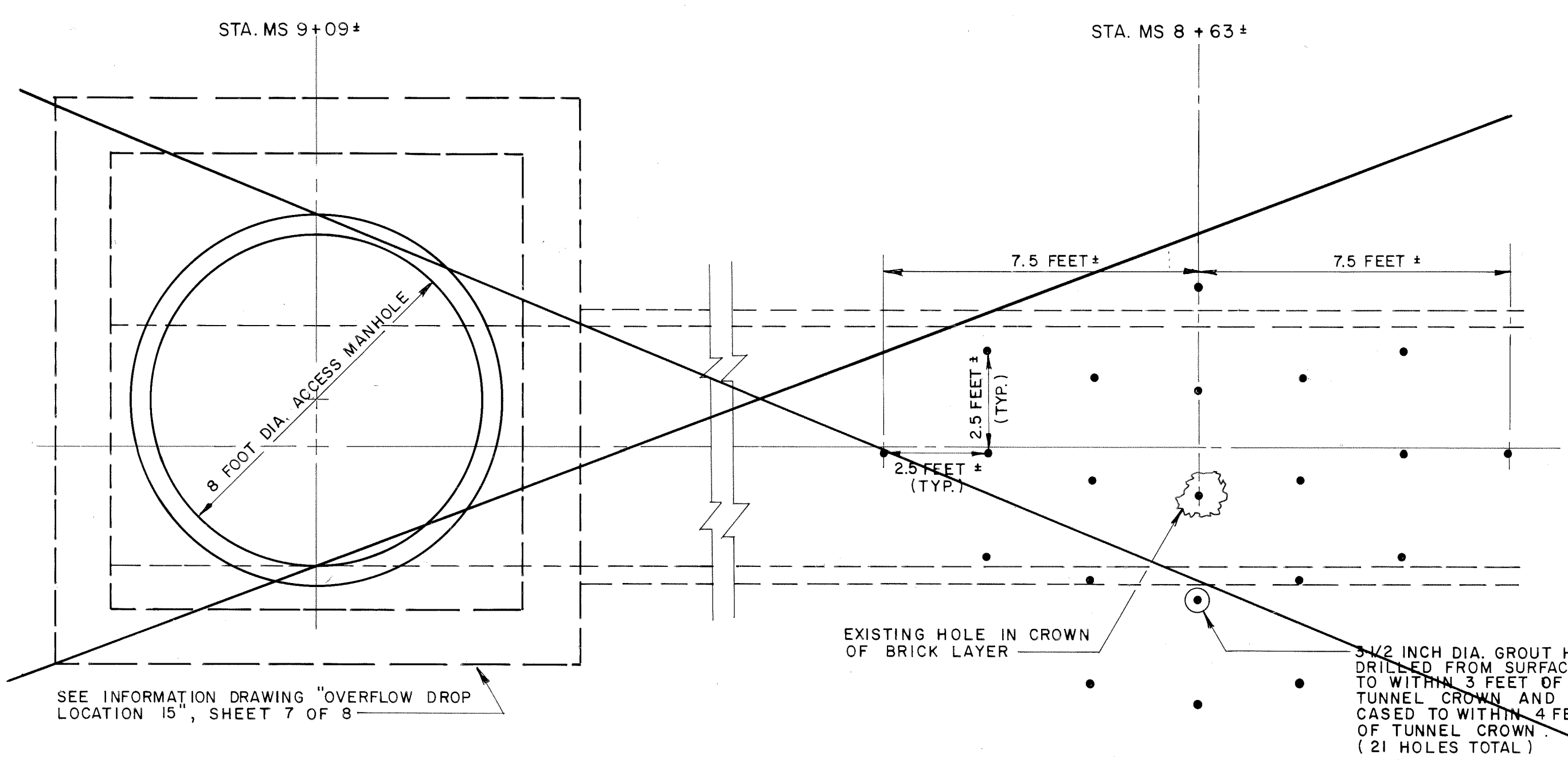
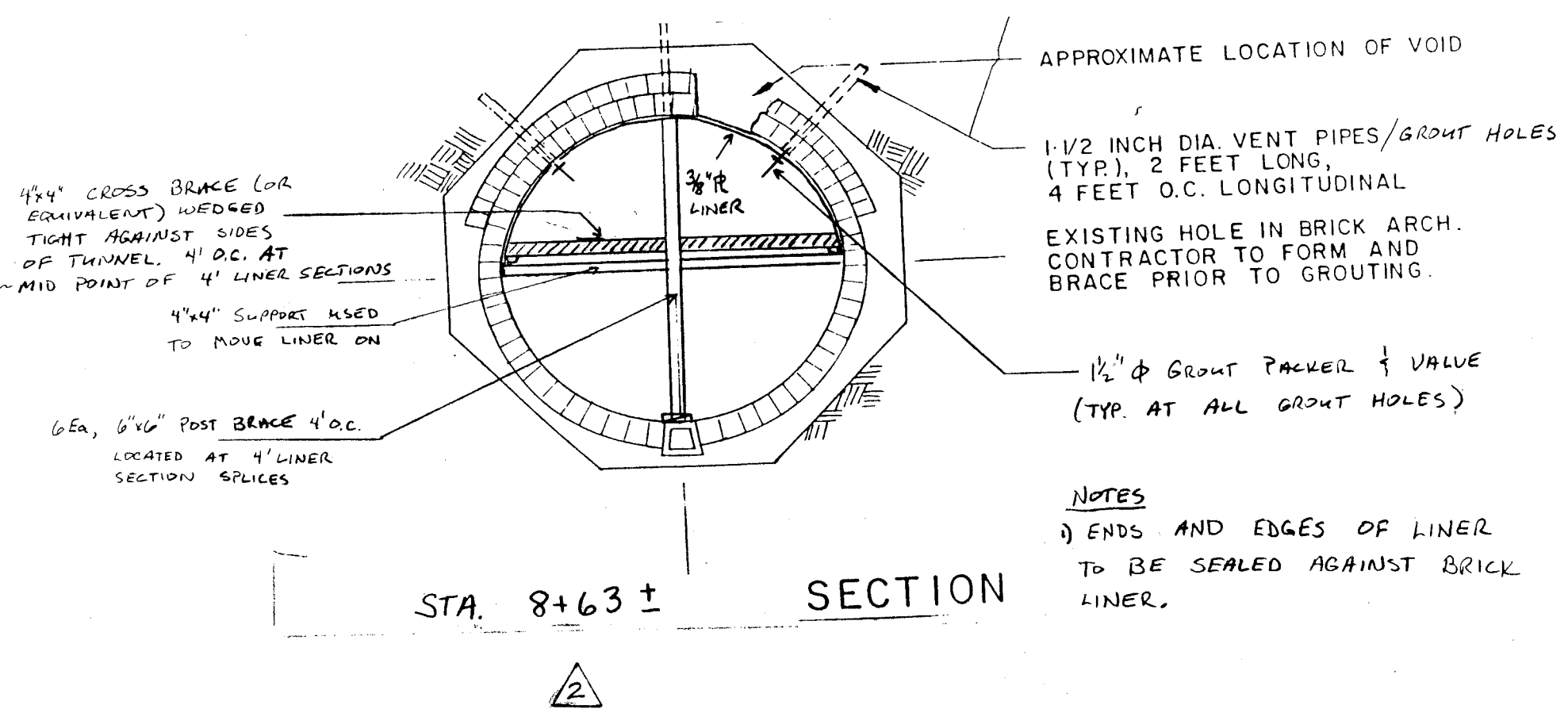
### ROCK BOLT WITH STEEL PLATE DETAIL

NOT TO SCALE



### ROCK BOLT WITH STEEL STRAP DETAIL

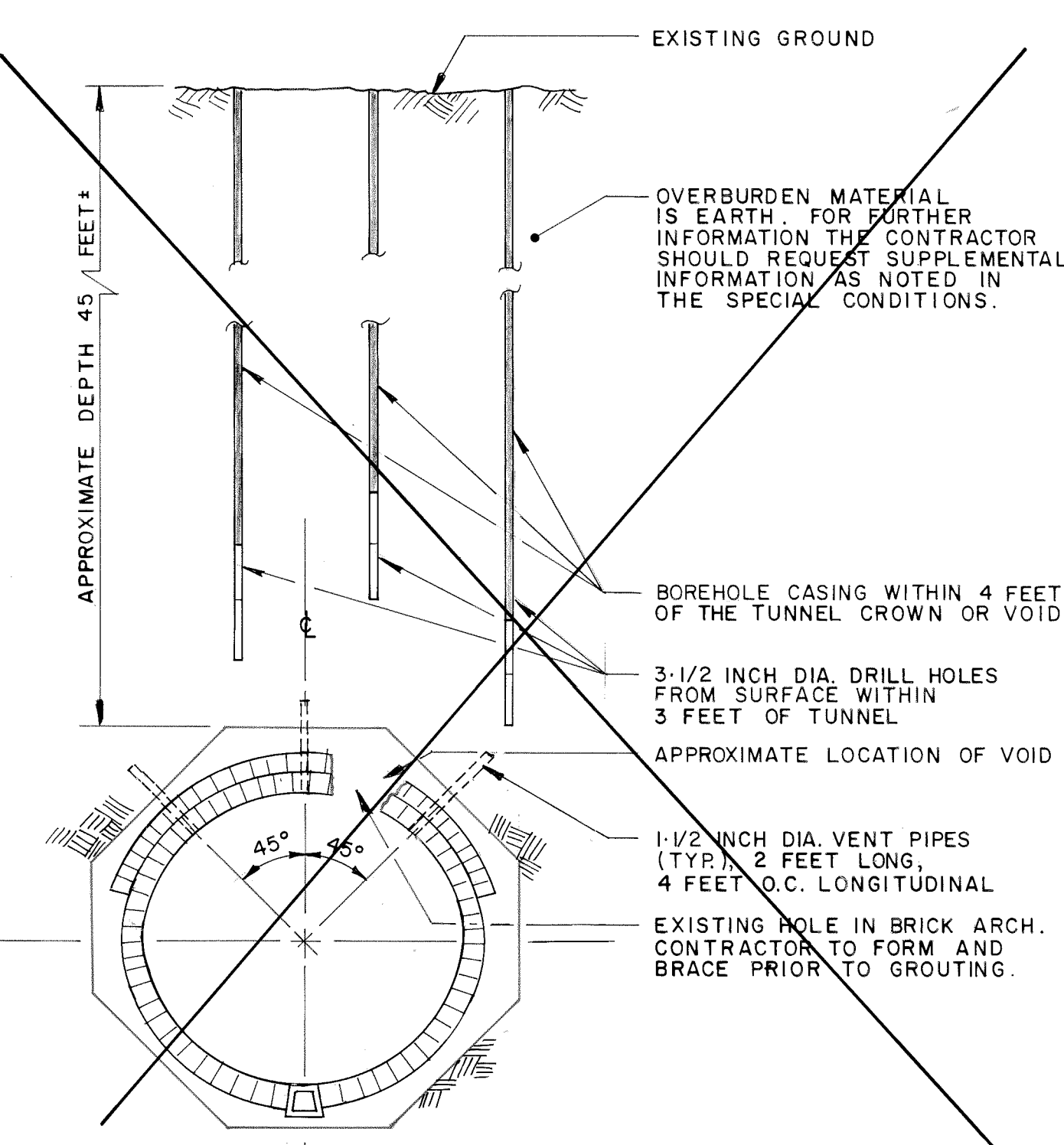
NOT TO SCALE



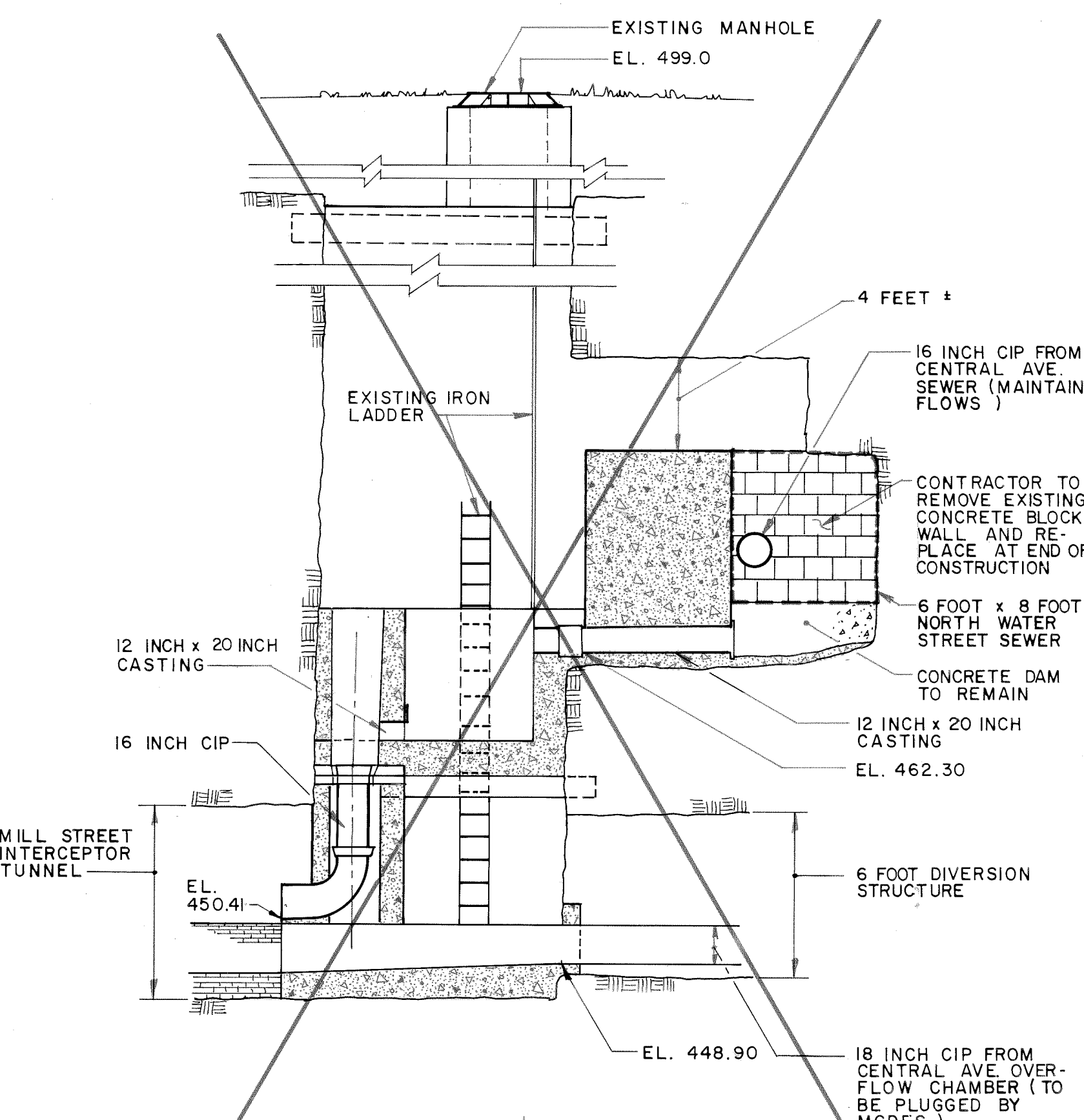
PLAN

### ITEM 704 — GROUTING PLAN AT STA. MS 8+63

SCALE: 3/8" = 1'-0"



SECTION



### (NORTH WATER STREET REGULATOR) BLOCK WALL REMOVAL AND REPLACEMENT DETAIL, PAY ITEM 1801

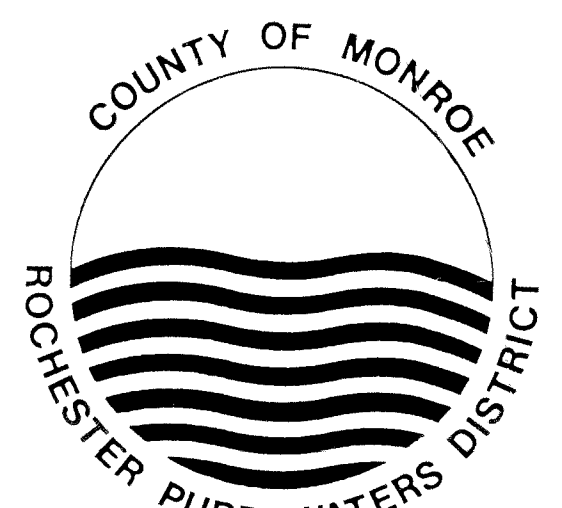
NOT TO SCALE

AS BUILT

RECORD DRAWING  
I HEREBY CERTIFY BY MY SIGNATURE AND SEAL BELOW THAT I HAVE PREPARED THIS RECORD DRAWING WHICH IS A TRUE REPRESENTATION OF THE CONTRACT WORK AS CONSTRUCTED ON THE MILL ST. INT. TUNNEL REHAB.  
(Project Name)  
CAPITAL IMPROVEMENT PROJECT # 51439  
DATE 9-16-94  
STV/SEELYE STEVENSON VALUE & KNECHT



| NO. | REVISIONS          | BY  | DATE |
|-----|--------------------|-----|------|
| 1   | ADDENDUM NO. 2     | HLH | 9/93 |
| 2   | MODIFICATION NO. 3 | HLH | 7/94 |
|     |                    |     |      |
|     |                    |     |      |
|     |                    |     |      |
|     |                    |     |      |
|     |                    |     |      |
|     |                    |     |      |
|     |                    |     |      |
|     |                    |     |      |



MONROE COUNTY, NEW YORK

ROBERT L. KING  
County Executive

STV/SEELYE STEVENSON  
VALUE & KNECHT  
ENGINEERS • PLANNERS

ST. PAUL PLACE  
151 ST. PAUL STREET  
ROCHESTER, NY 14604



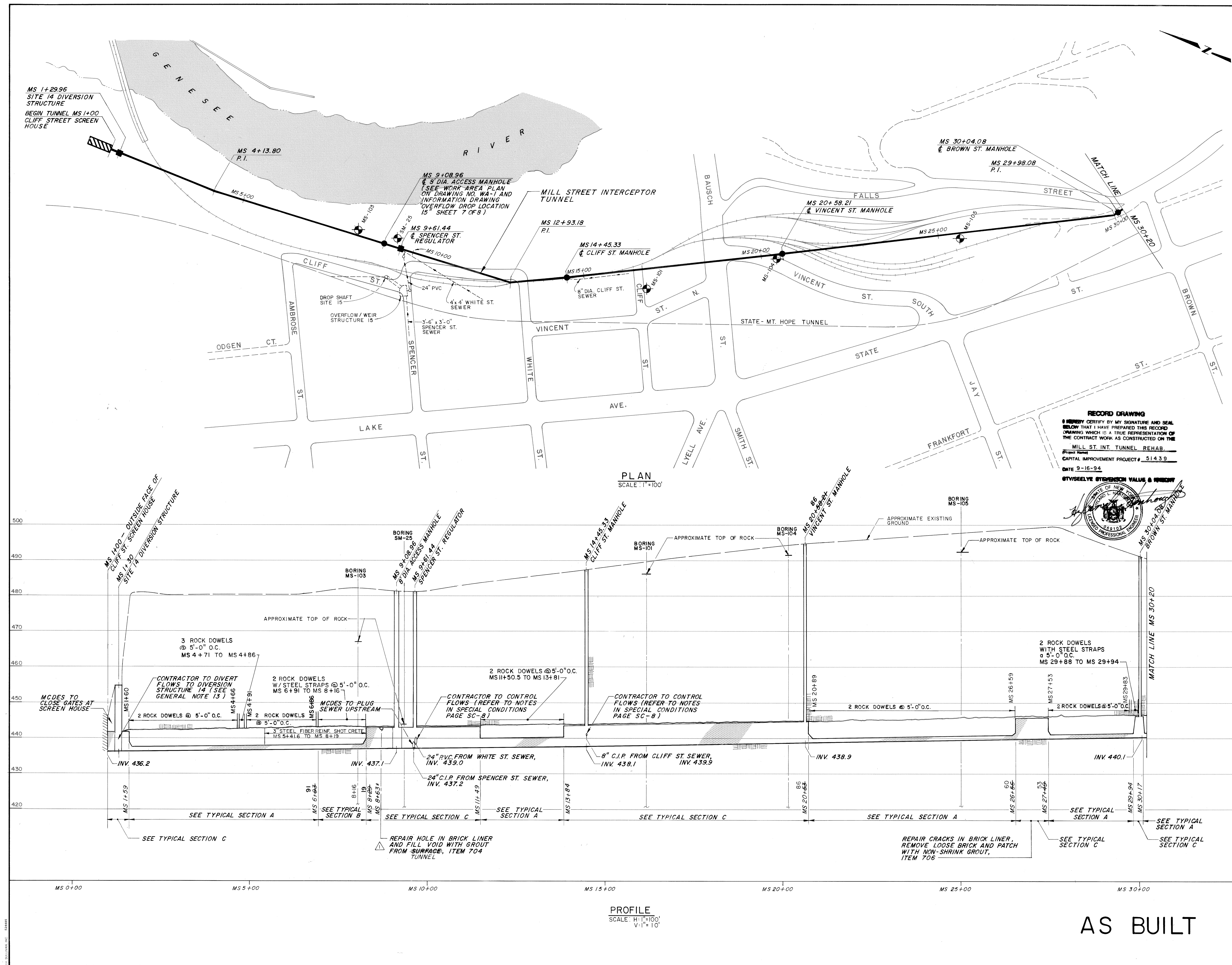
DESIGN CONSULTANT

NOTE: UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145, SECTION 7209

### MILL STREET INTERCEPTOR TUNNEL REHABILITATION

### MISCELLANEOUS DETAILS

|                |                |              |        |
|----------------|----------------|--------------|--------|
| DESIGNED BY    | H. H.          | CONTRACT NO. |        |
| DRAWN BY       | T. E. R.       | DRAWING NO.  | MD-1   |
| CHECKED BY     | S. R. B.       | SHEET        | 4 OF 8 |
| APPROVED BY    | R. J. R.       | FILE NO.     |        |
| SCALE AS SHOWN | DATE JUNE 1993 |              |        |

[illegible]



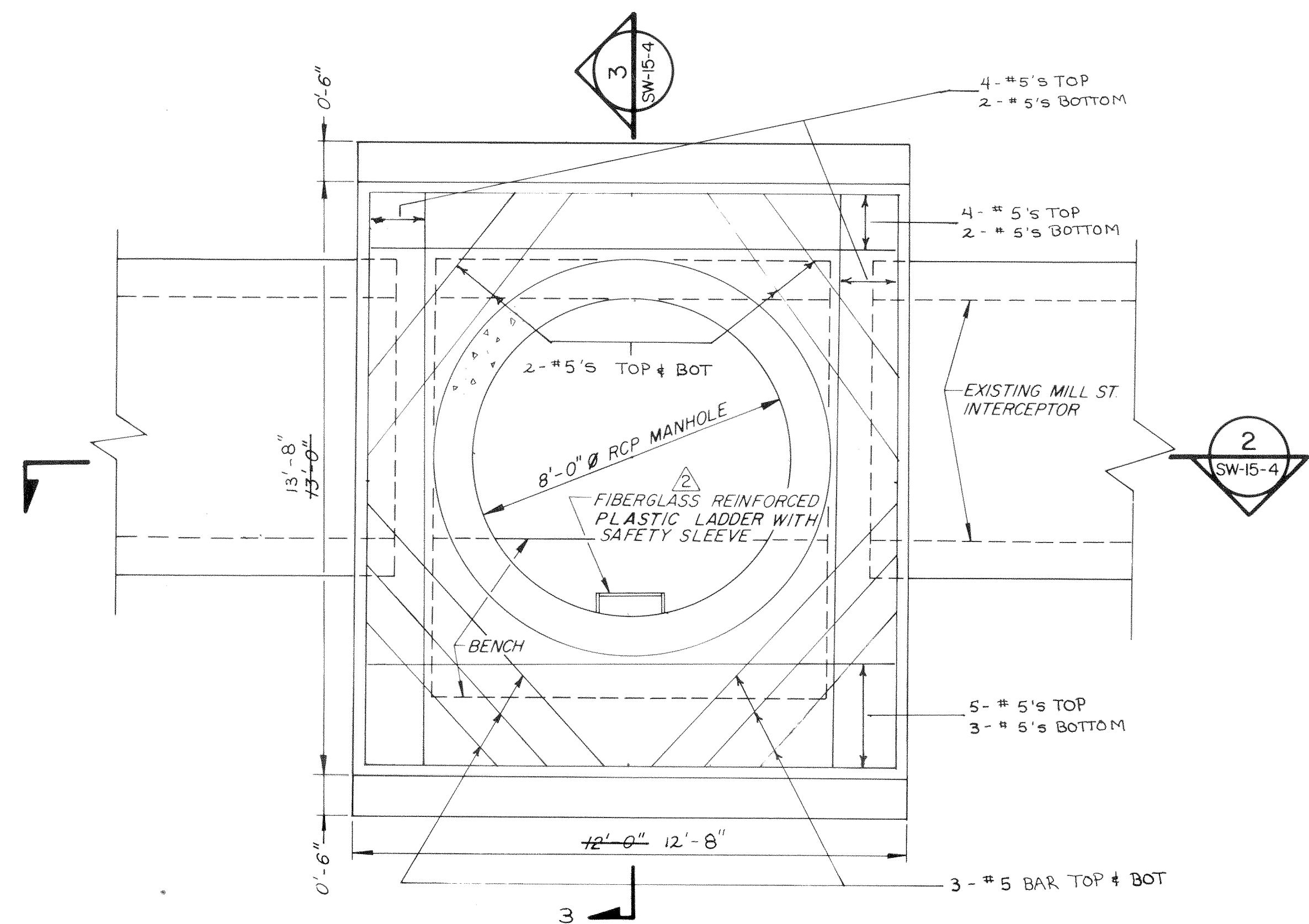
DRAWING NUMBER  
MILL STREET INTER TUNNEL  
STATE MT HOPE TUNNEL SYS.  
SHEET 7 OF 8  
SW-15-4

DRAWING NUMBER  
MILL STREET INTER TUNNEL  
STATE MT HOPE TUNNEL SYS.  
SHEET 7 OF 8  
SW-15-4

DRAWING NUMBER  
MILL STREET INTER TUNNEL  
STATE MT HOPE TUNNEL SYS.  
SHEET 7 OF 8  
SW-15-4

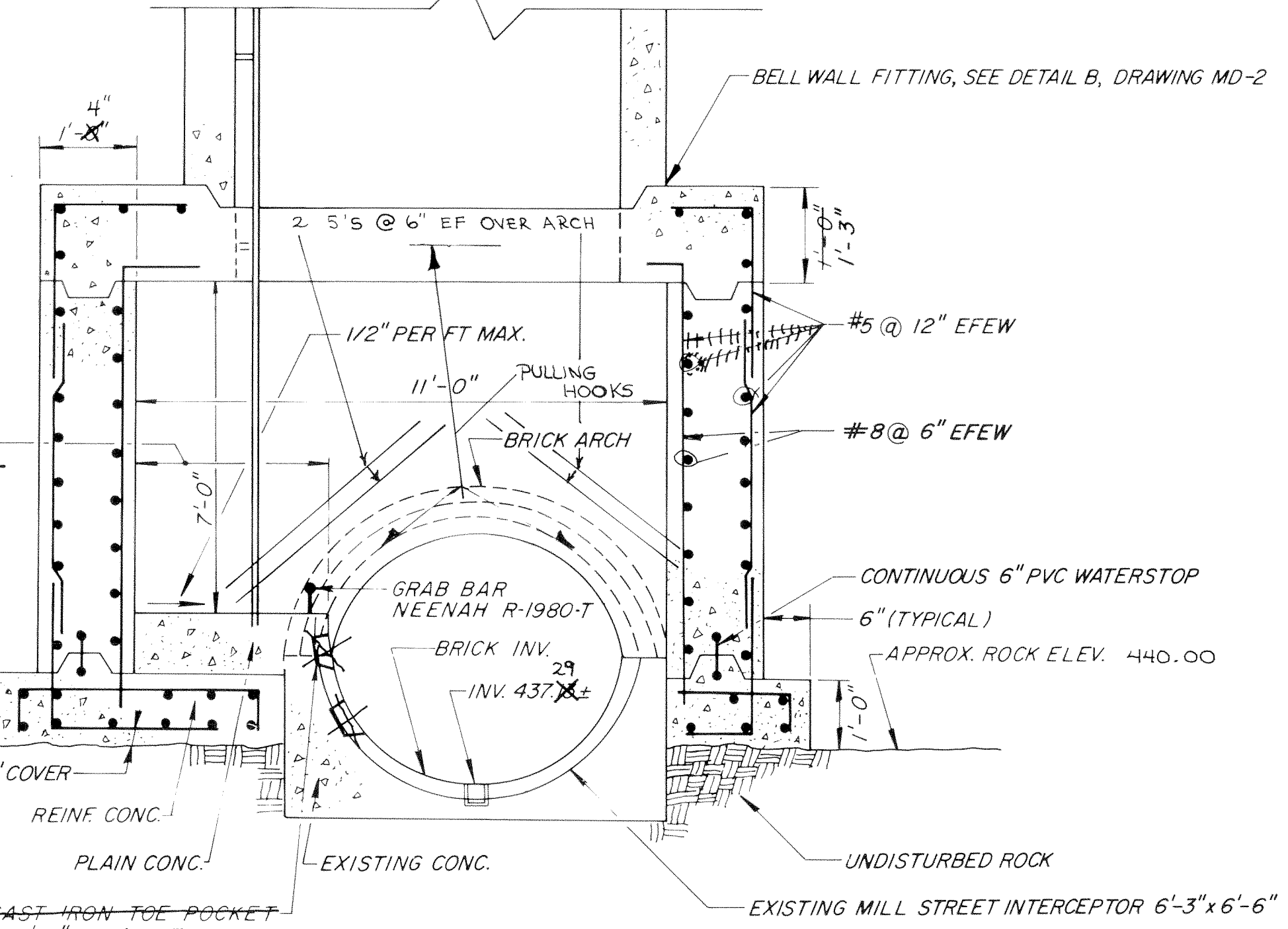
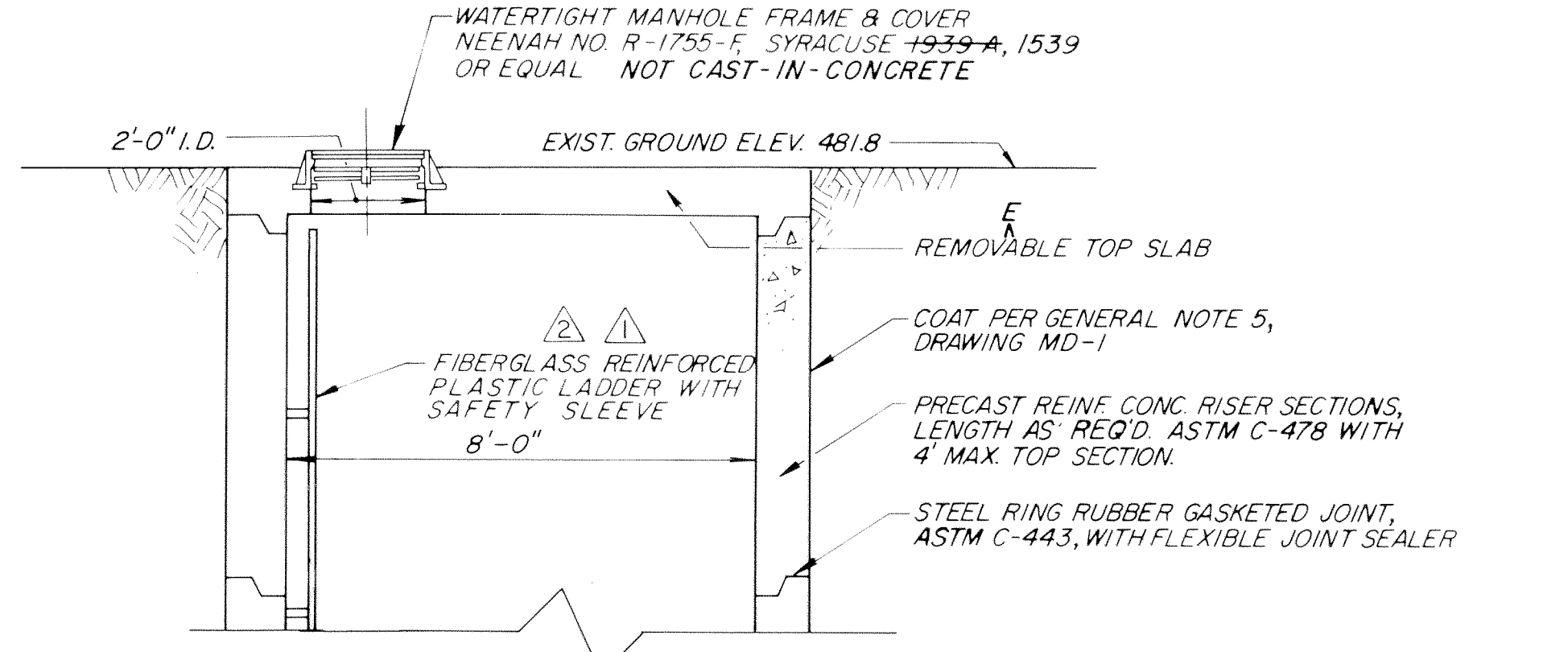
DRAWING NUMBER  
MILL STREET INTER TUNNEL  
STATE MT HOPE TUNNEL SYS.  
SHEET 7 OF 8  
SW-15-4

DRAWING NUMBER  
MILL STREET INTER TUNNEL  
STATE MT HOPE TUNNEL SYS.  
SHEET 7 OF 8  
SW-15-4

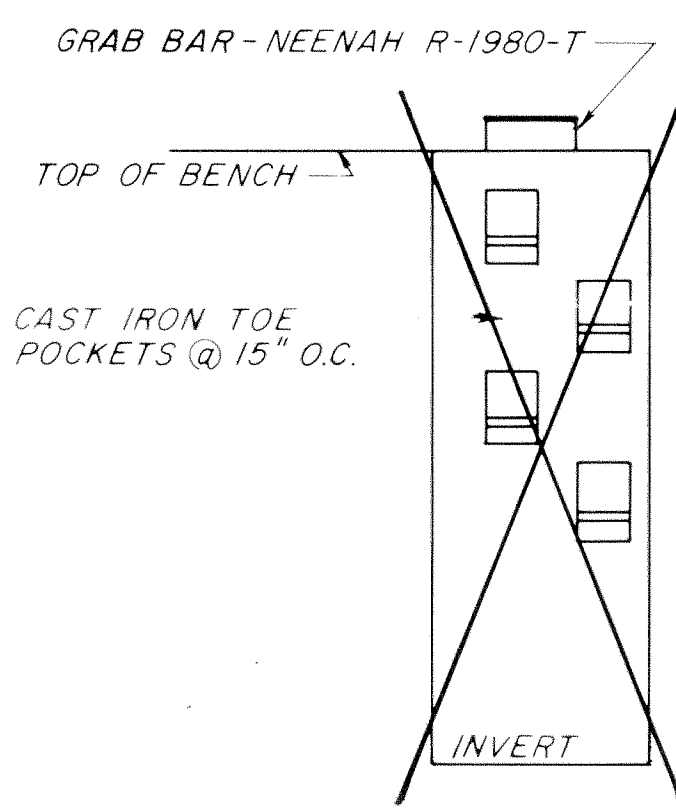


8'-0" Ø ACCESS MANHOLE

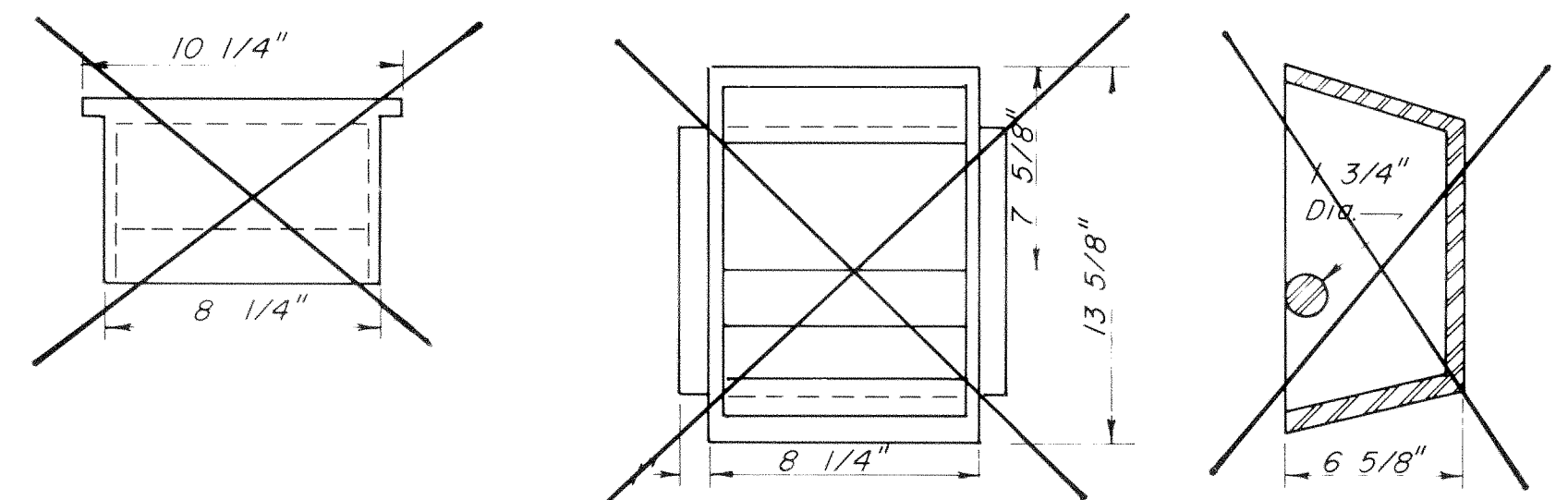
SECTION 1  
SW-15-4



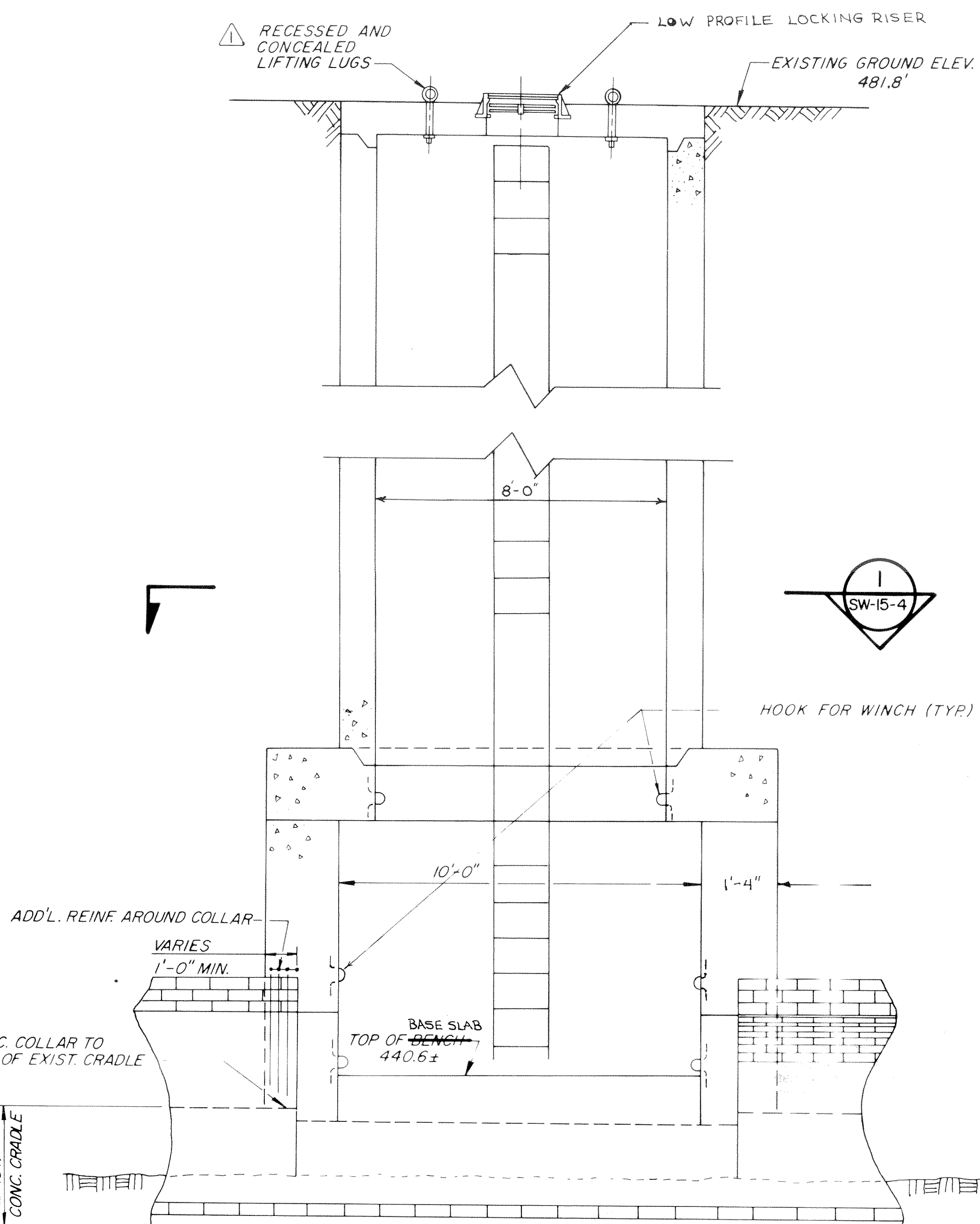
SECTION 3  
SW-15-4



TOE POCKET  
ELEVATION  
NOT TO SCALE

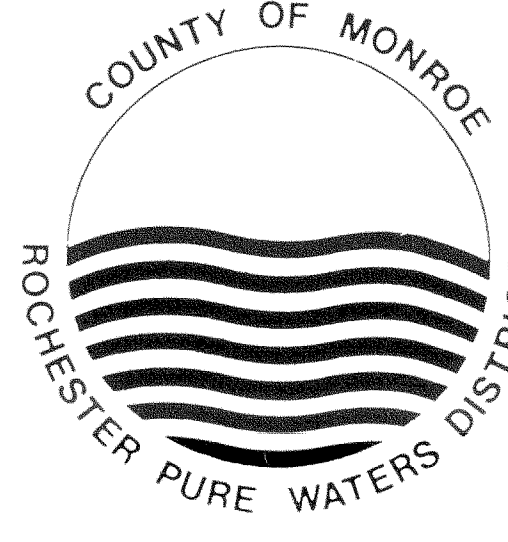
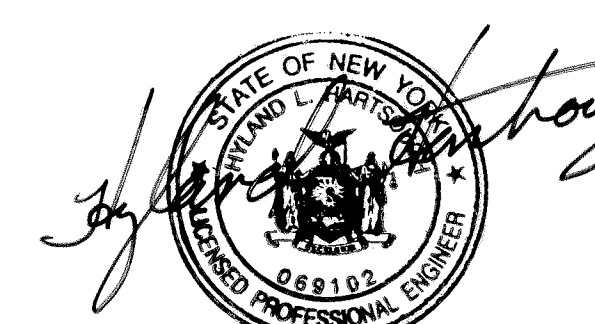


TOE POCKET DETAIL A  
NOT TO SCALE  
SW-15-4



SECTION 2  
SW-15-4

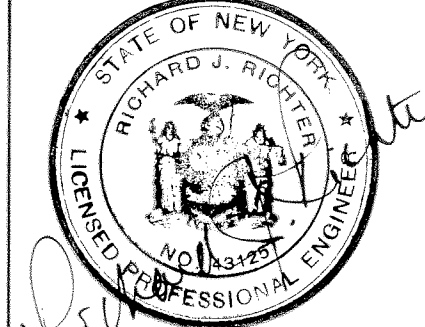
RECORD DRAWING  
I HEREBY CERTIFY BY MY SIGNATURE AND SEAL  
BELOW THAT I HAVE PREPARED THIS RECORD  
DRAWING WHICH IS A TRUE REPRESENTATION OF  
THE CONTRACT WORK AS CONSTRUCTED ON THE  
MILL ST. INT. TUNNEL REHAB.  
CAPITAL IMPROVEMENT PROJECT # 51439  
DATE 9-16-94  
STV/SEELYE STEVENSON VALUE & KNECHT



MONROE COUNTY, NEW YORK  
THOMAS R. FREY  
County Executive

LOZIER, INC. TONIAS ENGINEERS  
SEELYE STEVENSON VALUE & KNECHT, INC.  
CONSULTING ENGINEERS  
A JOINT VENTURE  
PROGRAM MANAGEMENT CONSULTANTS

STV/SEELYE STEVENSON  
VALUE & KNECHT  
ENGINEERS - PLANNERS  
ST. PAUL PLACE  
151 ST. PAUL STREET  
ROCHESTER, NY 14604



DESIGN CONSULTANT

DATE UNAUTHORIZED ALTERATION OR ADDITION TO THIS  
DRAWING IS A VIOLATION OF THE NEW YORK  
STATE EDUCATION LAW ARTICLE 145, SECTION  
2209

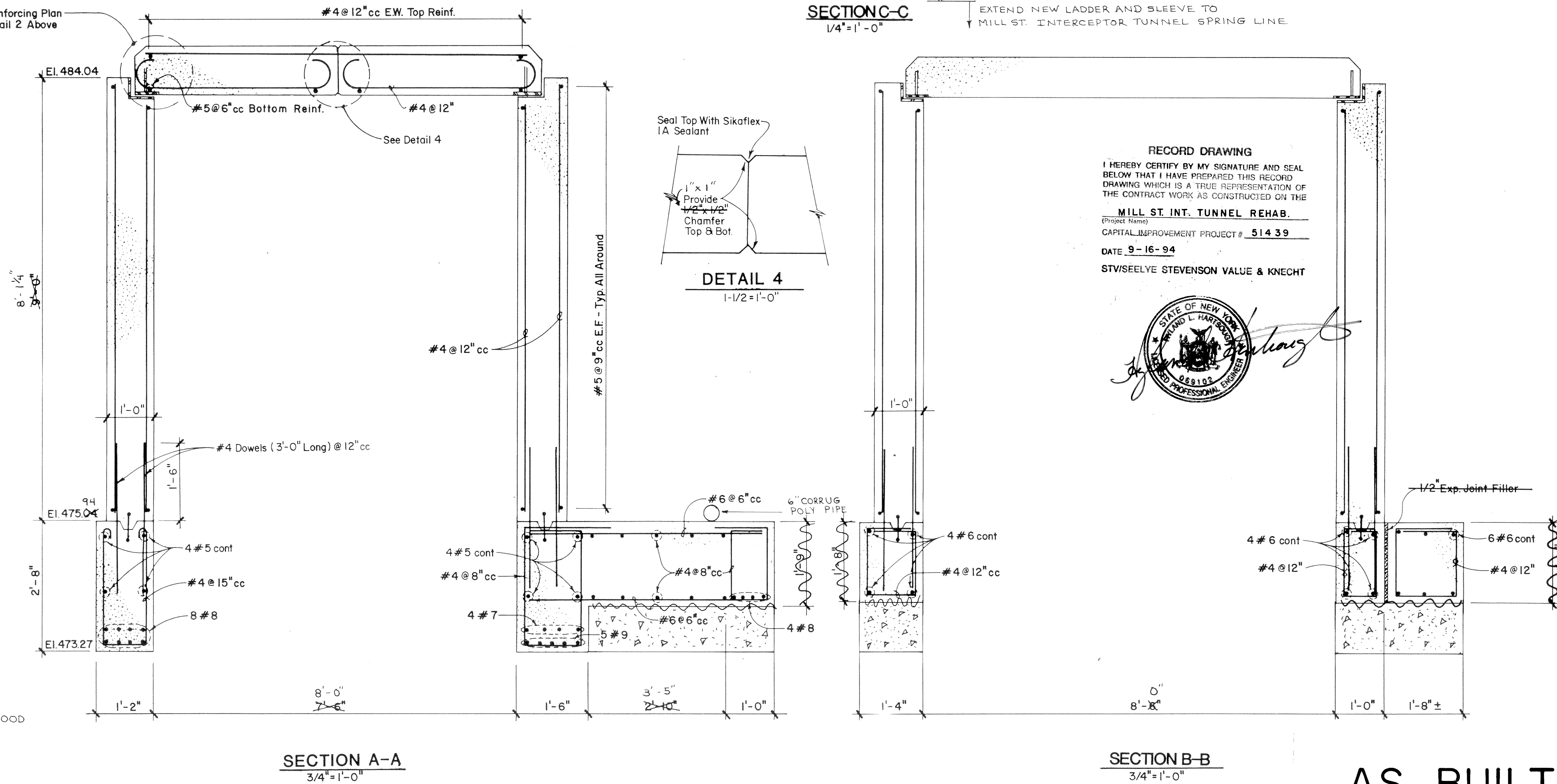
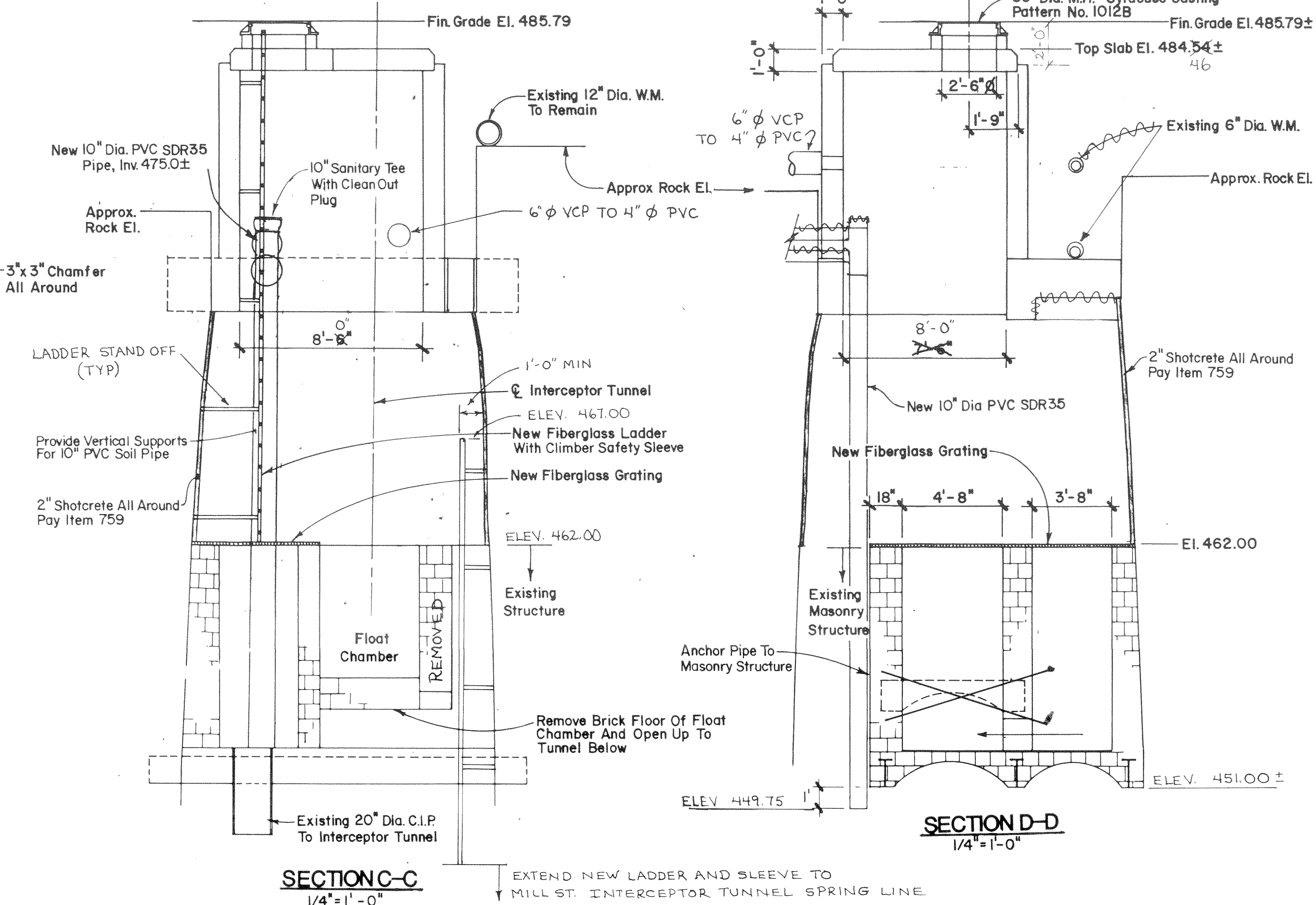
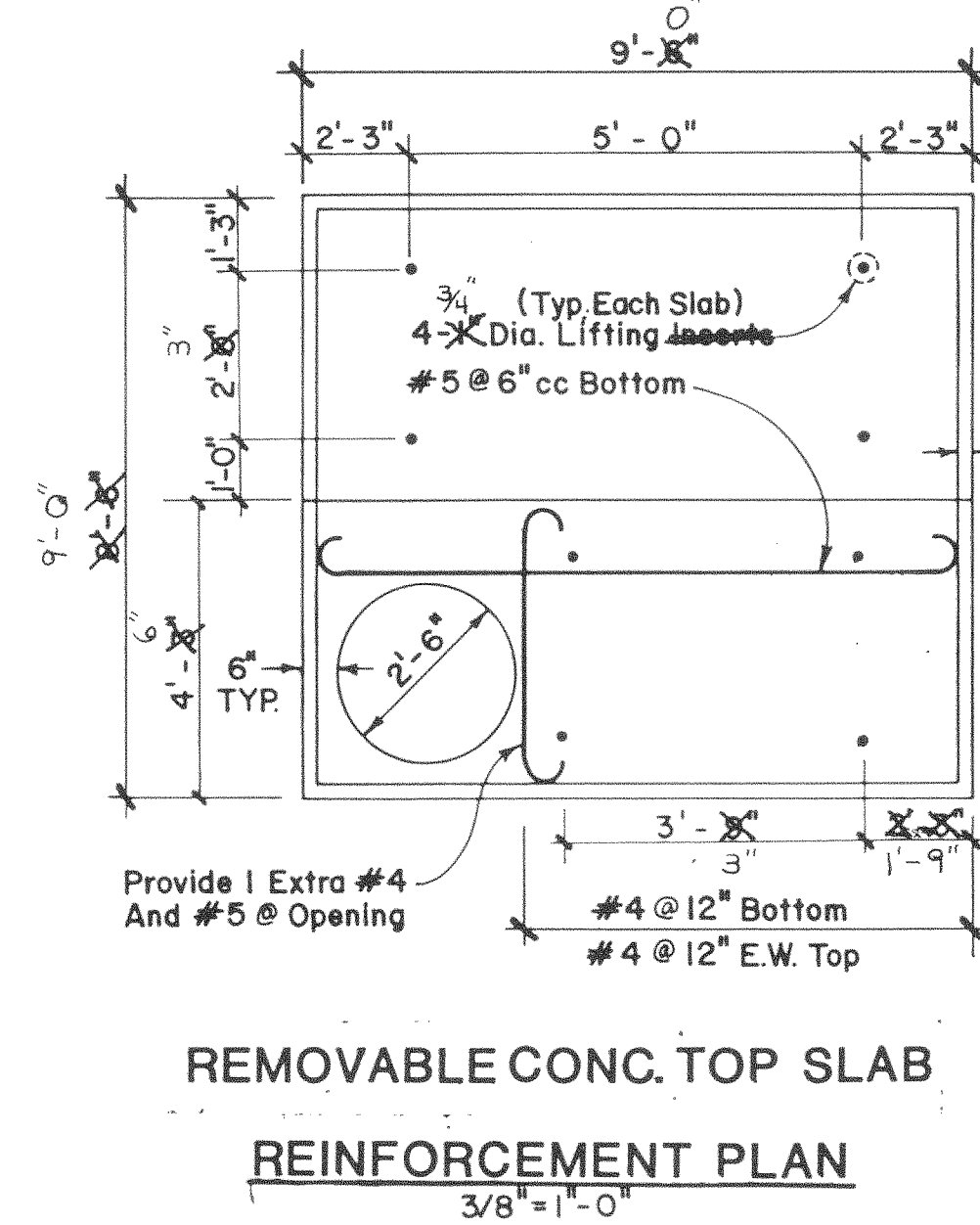
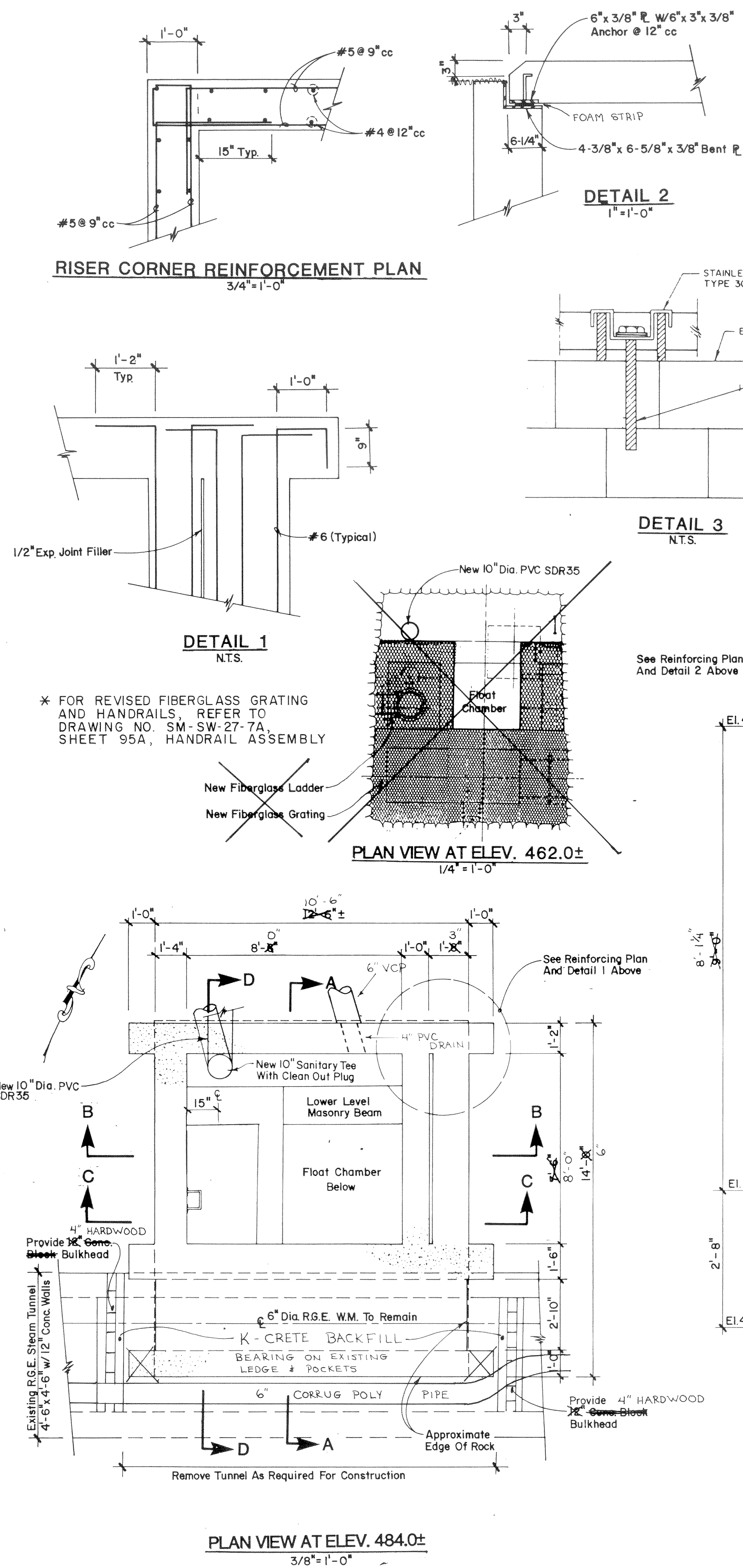
C-36-745-10  
ROCHESTER PURE WATERS DISTRICT  
COMBINED SEWER OVERFLOW  
ABATEMENT PROGRAM

PROJECT  
STATE - MT. HOPE  
TUNNEL SYSTEM

TITLE  
OVERFLOW DROP LOCATION 15  
SPENCER STREET AT CLIFF STREET  
ACCESS MANHOLE  
MILL STREET INTERCEPTOR

|             |            |              |            |
|-------------|------------|--------------|------------|
| DESIGNED BY | P.M.R.     | CONTRACT NO. | 8          |
| DRAWN BY    | A.J.W.     | DRAWING NO.  | SM-SW-15-4 |
| CHECKED BY  | R.J.R.     | SHEET        | 7 OF 8     |
| APPROVED BY | R.J.R.     | FILE NO.     |            |
| SCALE       | 3/8"=1'-0" | DATE         | 5-89       |

AS BUILT  
FOR INFORMATION ONLY



AS BUILT

FOR INFORMATION ONLY

NOTES:

1. CONTRACTOR TO REMOVE RGEE STEAM TUNNEL AS REQUIRED FOR CONSTRUCTION.
2. EXISTING 6" WATERMAIN TO BE SUPPORTED DURING CONSTRUCTION OF NEW STRUCTURE.
3. EXISTING STEAM TUNNEL TO RECEIVE 12" <sup>WIDE</sup> CONCRETE BLOCK BULKHEADS. <sup>PROVIDE 12" BUR-0 WALL AT EACH COUPLER.</sup>
4. CONNECT NEW 10" PVC TO EXISTING 10" SOIL PIPE.
5. EXISTING FEATURES BASED ON DWG. NO. SM-SM-27-5.
6. STRUCTURAL AND MISCELLANEOUS STEELWORK - SEE GENERAL NOTES, DWG. NO. SM-G-5.
7. CONCRETE - SURFACE STRUCTURES - SEE GENERAL NOTES, DWG. NO. SM-G-5.

8. INSIDE DIMENSIONS OF CHAMBER TO BE VERIFIED BY COMPARISON PRIOR TO FABRICATION OF STRUCTURAL AND MISCELLANEOUS WORK, REINFORCEMENT AND CONCRETE PLACEMENT.
9. UNLESS NOTED OTHERWISE, ALL REINFORCEMENT LAP SPICES SHALL BE CLASS B. SEE GENERAL NOTES AND TABLE NO. 1, DWG. G-5, FOR SPlice LENGTHS.
10. UNLESS OTHERWISE NOTED, ALL GRATING SHALL BE F15 GRATING. BEARING BARS SHALL BE 1/2" X 5/16" W/ BEARING BARS SHALL BE FURNISHED WITH ANTI-SLIP GR. FACE. PLATFORM GRATING CLEARANCES, 1/8" MINIMUM PANEL WIDTHS. PLATFORM GRATING DESIGNED FOR MAXIMUM STABLE UNIFORMLY DISTRIBUTED LIVE LOAD OF 100 PSF. SPECIFICATION SECTION VI FOR ADDITIONAL REQUIREMENTS.
11. GRATING SHALL BE FASTENED WITH 4 SADDLE CLIPS (MINIMUM EACH GRATING PANEL). THE SELF DRILLING FASTENER SHALL BE UNDRILLED POINT LENGTHS TO BE GREATER THAN THE AL THICKNESS TO BE DRILLED. SEE DETAIL 3.

- 12) STRUCTURE WILL BE SHIFTED 6" SOUTH TO PREVENT REMOVAL OF CONCRETE SUPPORT PILLAR UNDER 12" DOMESTIC WATER MAIN, WHICH IS IN LINE WITH INTERMEDIATE BEAM AND SOUTH WALL. NORTH BEAM AND WALL WILL BEAR ON EXISTING BEAM POCKETS.
- STRUCTURE WILL BE SHIFTED 4" EAST TO PREVENT EXCESS REMOVAL OF ROCK ON WEST SIDE. EAST WALL WILL CLEAR 12"  $\phi$  DOMESTIC WATERMAIN.

**KEY**

#4 @ 6" cc = No.4 Rebar At  
6 Inches Center  
To Center

5 #9 = Five No.9 Rebars

cont = Continuous

E.F = Each Face

[illegible]