

**GENERAL NOTES**

1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
2. All pipe elevations shown are invert elevations.
3. All manholes shall be 4'-0" inside diameter unless otherwise noted.
4. Sewer pipe shall be V.C.P.X., C.S.P.X., or Asbestos Cement, Class 2400 except as otherwise noted.
5. The Contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of utilities.
6. All horizontal and vertical controls are based on Maryland State Datum.
7. For all standard details, see standards bound in specifications.
8. Clear all utilities by a minimum of 6'; clear all poles by 12'-0" or tunnel as required.
9. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
10. Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on plans:
  - State Highway Administration - 531-5533
  - Baltimore Gas and Electric Company - Underground Electric Distribution Engineering - "Damage Control" - 781-4691
  - Baltimore Gas and Electric Company - Underground Gas Distribution Engineering - 559-0100
  - Chesapeake and Potomac Telephone Co. - 725-9976
  - American Telephone and Telegraph - Cable Location Division - 301-393-3553
  - Colonial Pipeline Company - 781-4641
  - Miss Utility - 393-3648
11. Trees are to be protected from damage to maximum extent. Trees located within the construction strip are not to be removed or damaged by the Contractor.
12. Gabions and Reno Mattresses in flood plains which will be subjected to high flows may be used in place of rip-rap.

**CONTRACT NO. 580-S**

**LICKING CREEK INTERCEPTOR**

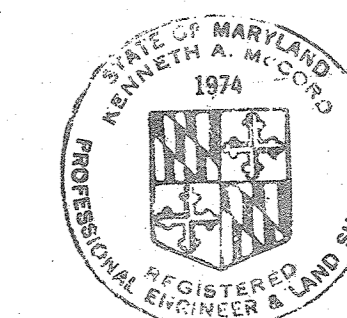
**HOWARD COUNTY, MARYLAND**

**DEPARTMENT OF PUBLIC WORKS**

| QUANTITIES |            |           |
|------------|------------|-----------|
| ITEM       | QUANTITY   | AS BUILT  |
| 12" Sewer  | 540 L.F.   | 535 L.F.  |
| 18" Sewer  | 5,700 L.F. | 5350 L.F. |
| 24" Sewer  | 520 L.F.   | 535 L.F.  |

|            |   |           |                  |
|------------|---|-----------|------------------|
| 20" Sewer  | - | 329 L.F.  | ACP cl. 3320     |
| Manhole 4' | - | 10 I.V.F. | Atlantic         |
| 5'         | - | 39 V.F.   | Pre-cast Manhole |

W.T. Frame & Cover as manufactured by Dewey Bros, Inc.



*Kenneth A. McCord*

Licking Creek Interceptor  
Project No. 5-4-6046  
Contract No. 580-S

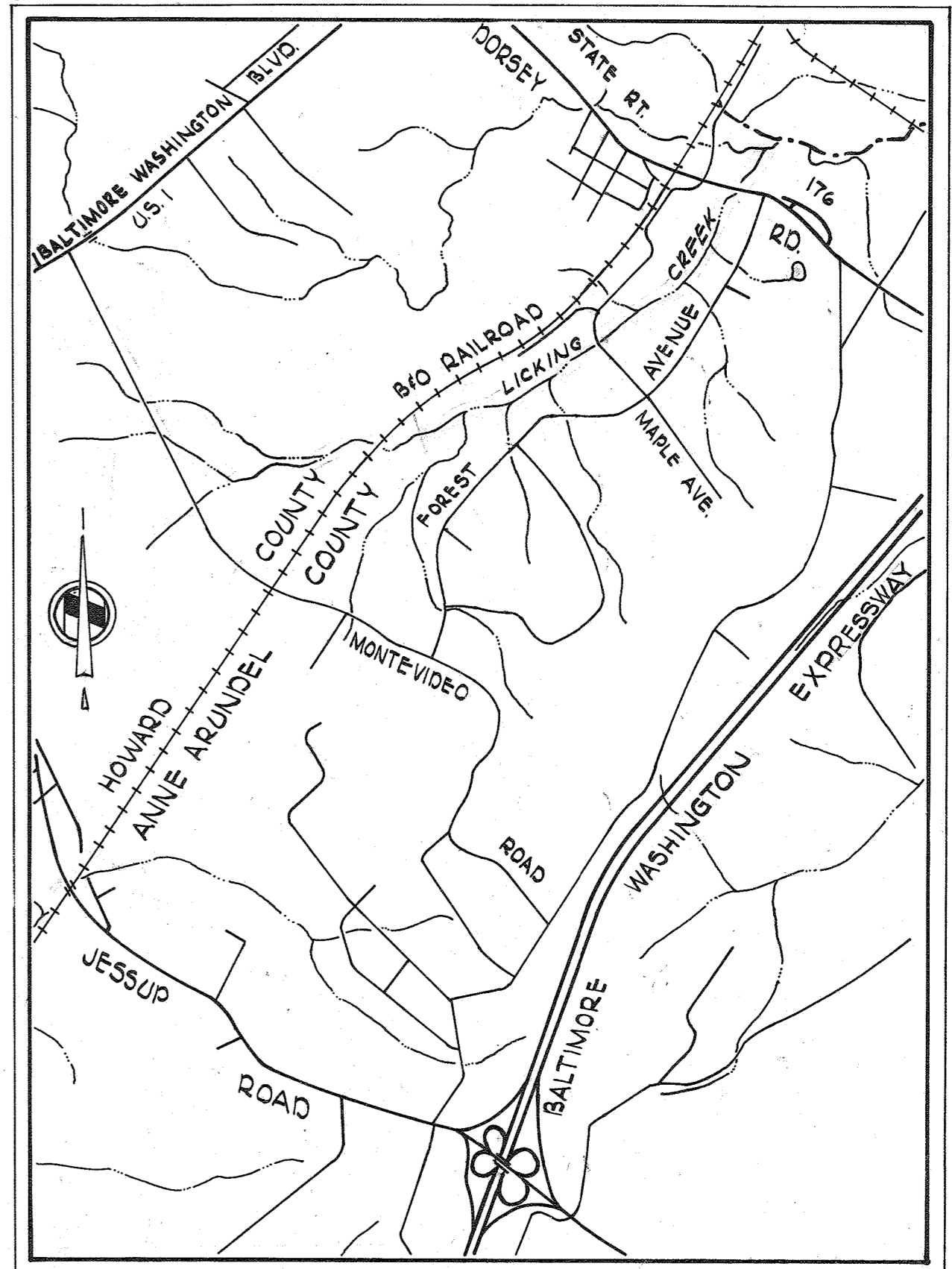
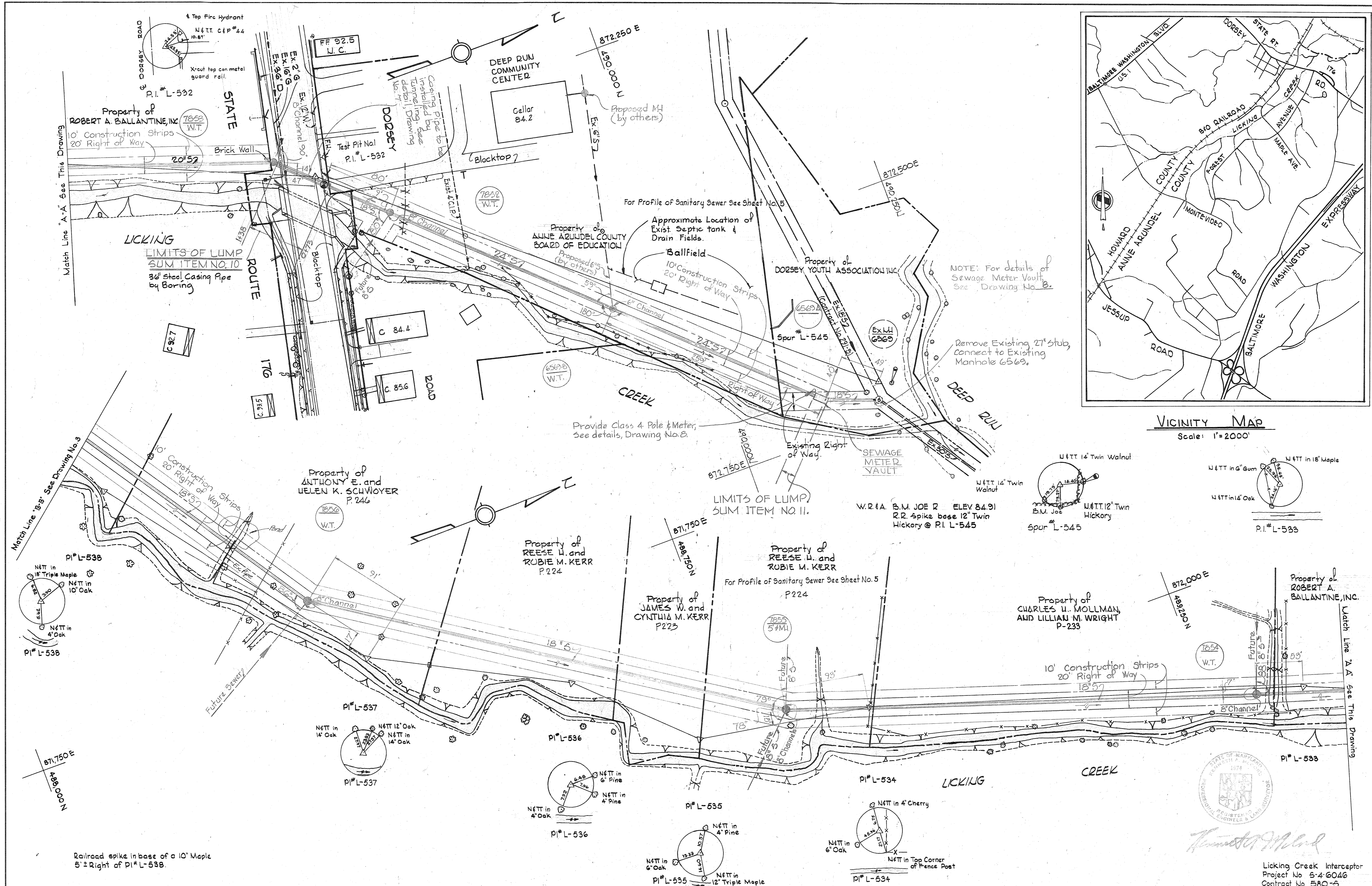
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|---|--|--|---------------------|---|-------------------------------------|--------------------------|
| WHITMAN, REQUARDT & ASSOCIATES<br>ENGINEERS<br>1304 ST. PAUL ST.<br>BALTIMORE, MARYLAND | DEPARTMENT OF PUBLIC WORKS<br>HOWARD COUNTY, MARYLAND<br>Director of Public Works - DATE: <i>2-23-77</i><br>Chief-Bureau of Engineering - DATE: <i>2-23-77</i> | CONTRACT NO. <u>580-S</u><br>PROJECT NO. <u>S-4-6046</u> | LOCATION <u>MAP</u> | ELECTION DISTRICT<br><u>ELKRIDGE NO.1</u> | DRAWING NO. <u>1</u><br>OF <u>8</u> | SCALE<br><u>1" = 60'</u> |
|   |  | March 27, 1981<br>As-Built                               |                     |   |                                     |                          |

WS 580-S/1

Suspendex

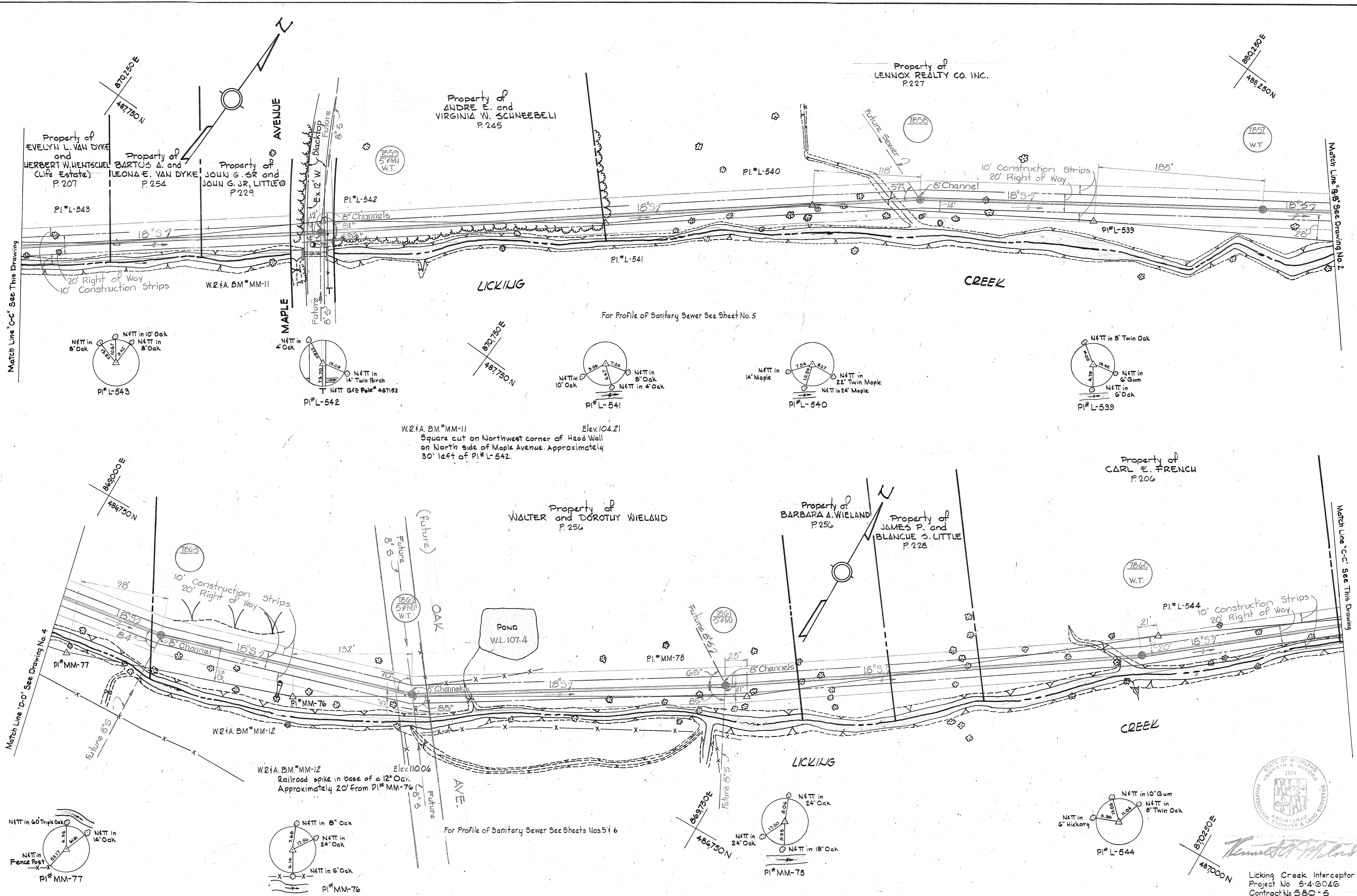
Suspendex

PLANNING 44510 18392



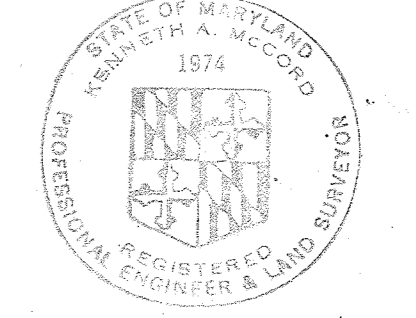
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| <p>WHITMAN, REQUARDT &amp; ASSOCIATES<br/>ENGINEERS<br/>1304 ST. PAUL ST.<br/>BALTIMORE, MARYLAND</p> | <p>DEPARTMENT OF PUBLIC WORKS<br/>HOWARD COUNTY, MARYLAND<br/>2-23-77<br/>DIRECTOR OF PUBLIC WORKS - DATE</p> | <p>CONTRACT NO. 580-S<br/>PROJECT NO. S-4-6046</p> | <p>PLAN OF<br/>SEWER MAINS</p> | <p>LICKING CREEK INTERCEPTOR</p> | <p>DRAWING NO. 2 OF 8<br/>SCALE 1"=50'<br/>489-24<br/>489-23<br/>488-23<br/>490-24</p> |
|---|---|--|--------------------------------|----------------------------------|--|

W. O. 6800-2  
March 27, 1981  
A6-BUILT  
FEB. 6, 1979  
FD #5375, 5425



W.Z.F.A. B.M. MM-11  
 Elev. 104.21  
 Square cut on Northwest corner of Head Wall  
 on North side of Maple Avenue. Approximately  
 30' left of PI# L-542.

For Profile of Sanitary Sewer See Sheets Nos. 5 & 6



*Kenneth M. Wood*

Licking Creek Interceptor  
 Project No. 5-4-6046  
 Contract No. 580-5

|   |  |  |                        |                           |  |
|---|--|--|------------------------|---------------------------|--|
| WHITMAN, REQUARDT & ASSOCIATES<br>ENGINEERS<br>1304 ST. PAUL ST.<br>BALTIMORE, MARYLAND | DEPARTMENT OF PUBLIC WORKS<br>HOWARD COUNTY, MARYLAND<br><i>W. O. Libbert</i> 2-22-77<br>DIRECTOR OF PUBLIC WORKS — DATE      CHIEF BUREAU OF ENGINEERING — DATE | CONTRACT NO. <u>580-S</u><br>PROJECT NO. <u>S-4-6046</u> | PLAN OF<br>SEWER MAINS | LICKING CREEK INTERCEPTOR | DRAWING NO. <u>3</u> OF <u>8</u><br>SCALE <u>1" = 50'</u><br>488-25<br>487<br>48 |
|---|--|--|------------------------|---------------------------|--|

W. O. 6800-2

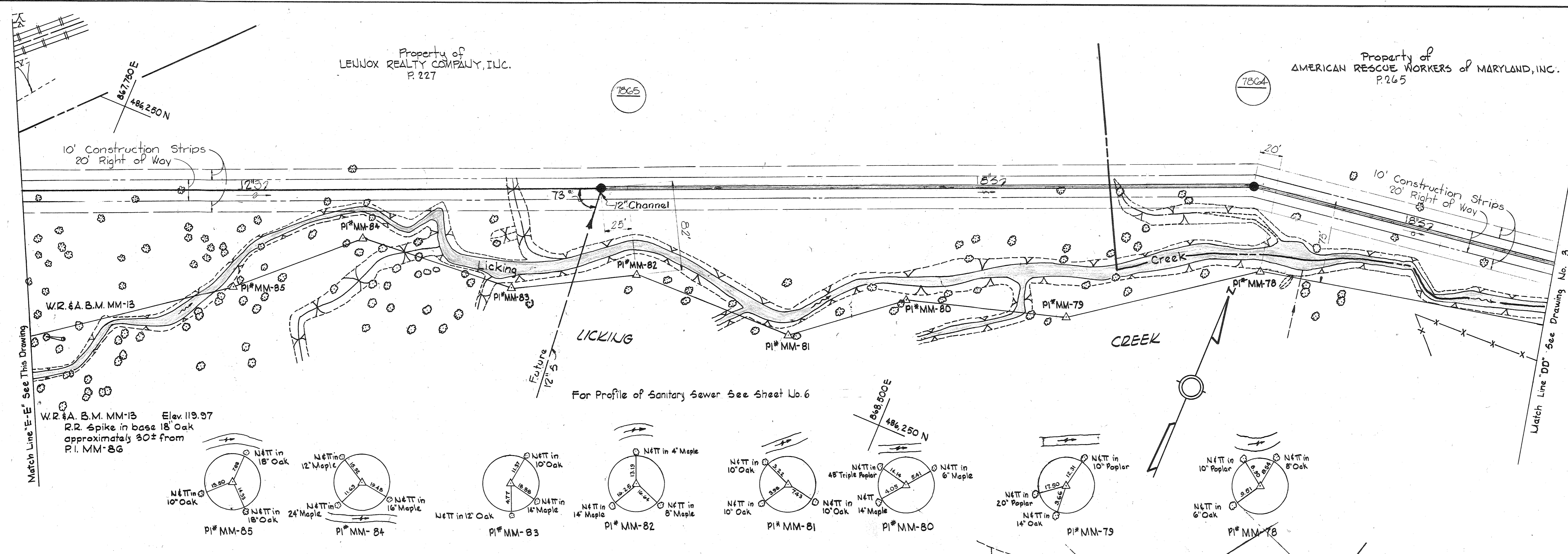
FEB. 6, 1979  
 March 'As-Built'

WS 580-S/3

REVISION 44510 18392

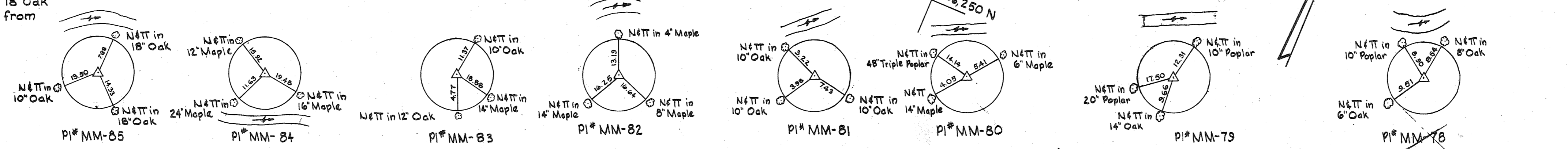
Property of  
LEJUX REALTY COMPANY, INC.  
P.227

Property of  
AMERICAN RESCUE WORKERS of MARYLAND, INC.  
P.265

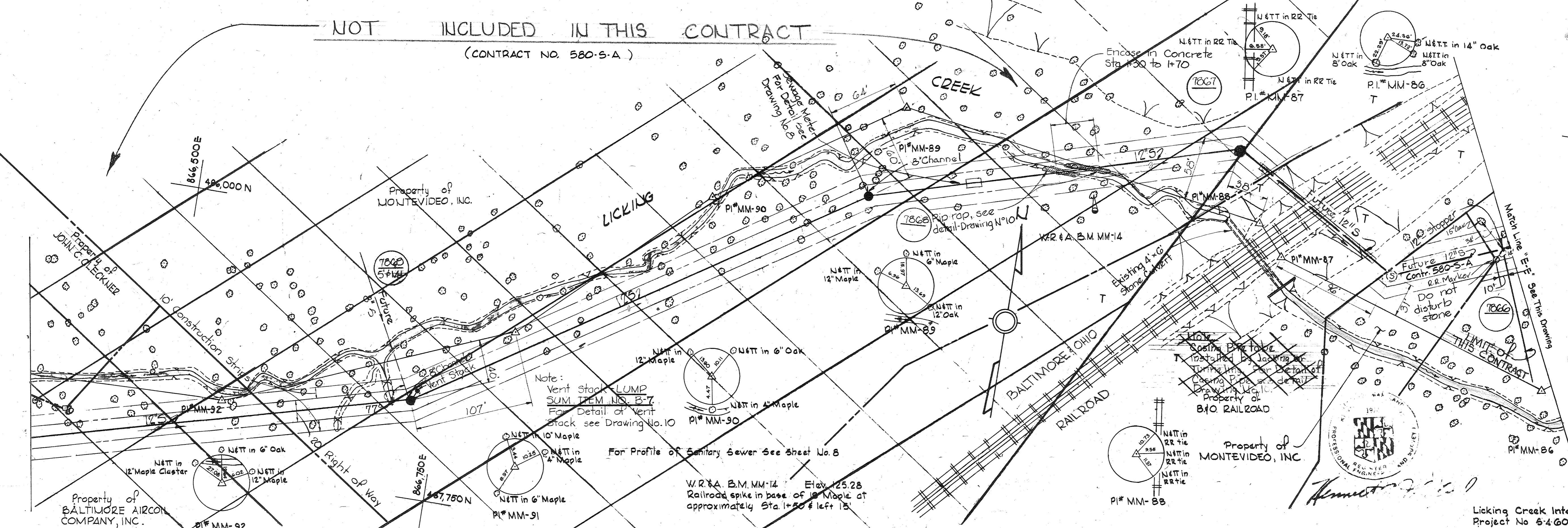


W.R. & A. B.M. MM-13 Elev. 119.97  
R.R. Spike in base 18' Oak  
approximately 30'± from  
P.I. MM-86

For Profile of Sanitary Sewer See Sheet No. 6



NOT INCLUDED IN THIS CONTRACT  
(CONTRACT NO. 580-S-A)



Note:  
Vent Stack LUMP  
SUM ITEM NO. B-7.  
For Detail of Vent  
Stack see Drawing No. 10

W.R. & A. B.M. MM-14 Elev. 125.28  
Railroad spike in base of 18' Maple at  
approximately Sta. 1+50 ± left 15'

WHITMAN, REQUARDT & ASSOCIATES  
ENGINEERS  
1304 ST. PAUL ST.  
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
2-23-77 W. O. Gilbert 2-23-77  
DIRECTOR OF PUBLIC WORKS - DATE CHIEF BUREAU OF ENGINEERING - DATE

CONTRACT NO. 580-S  
PROJECT NO. S-4-6046

PLAN OF  
SEWER MAINS

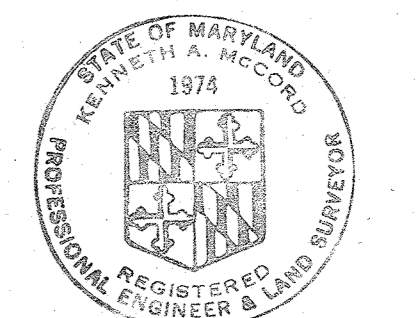
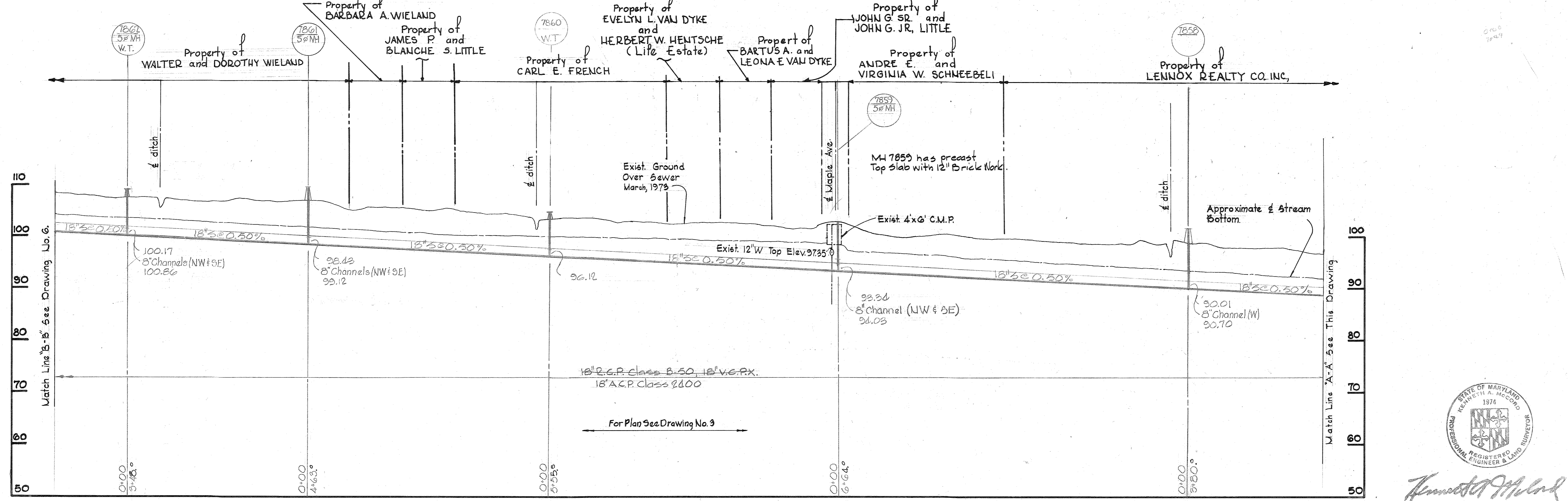
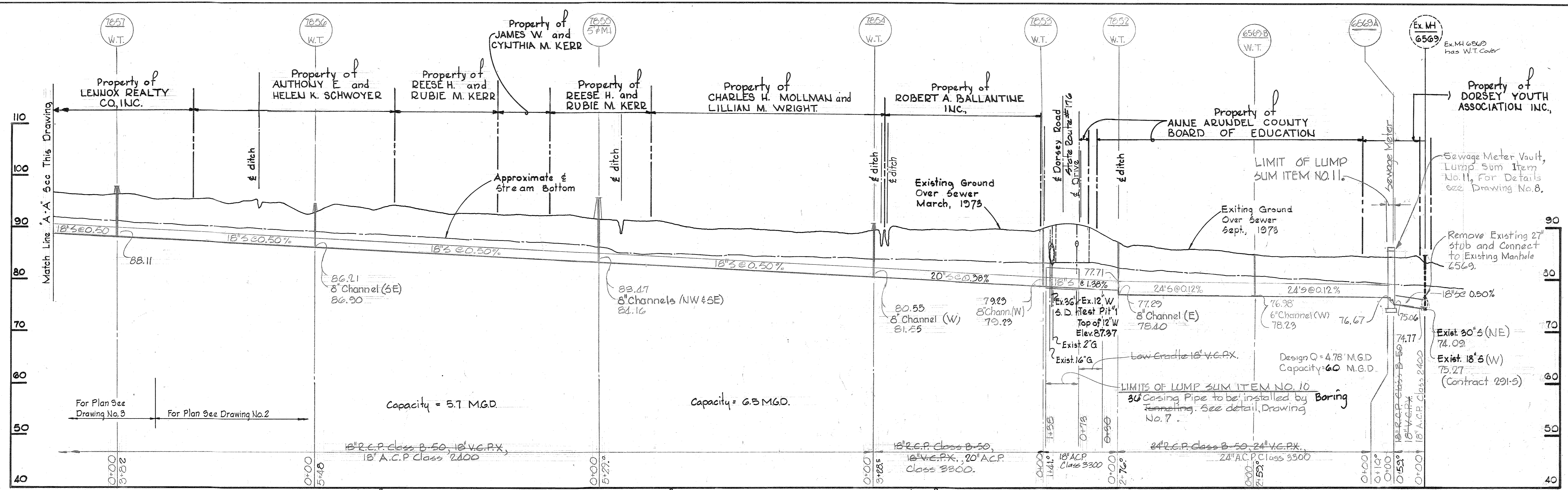
LICKING CREEK INTERCEPTOR

DRAWING NO. 4 OF 8  
SCALE 1" = 50'  
486-21  
486-20  
485-20

JAN 9, 1979 'As-Built' March 27, 1981

W. O. 6800-2

WS 580-S/4



*Kenneth A. McLeod*

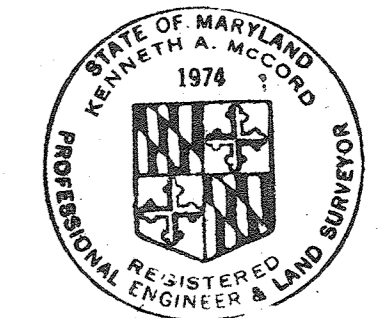
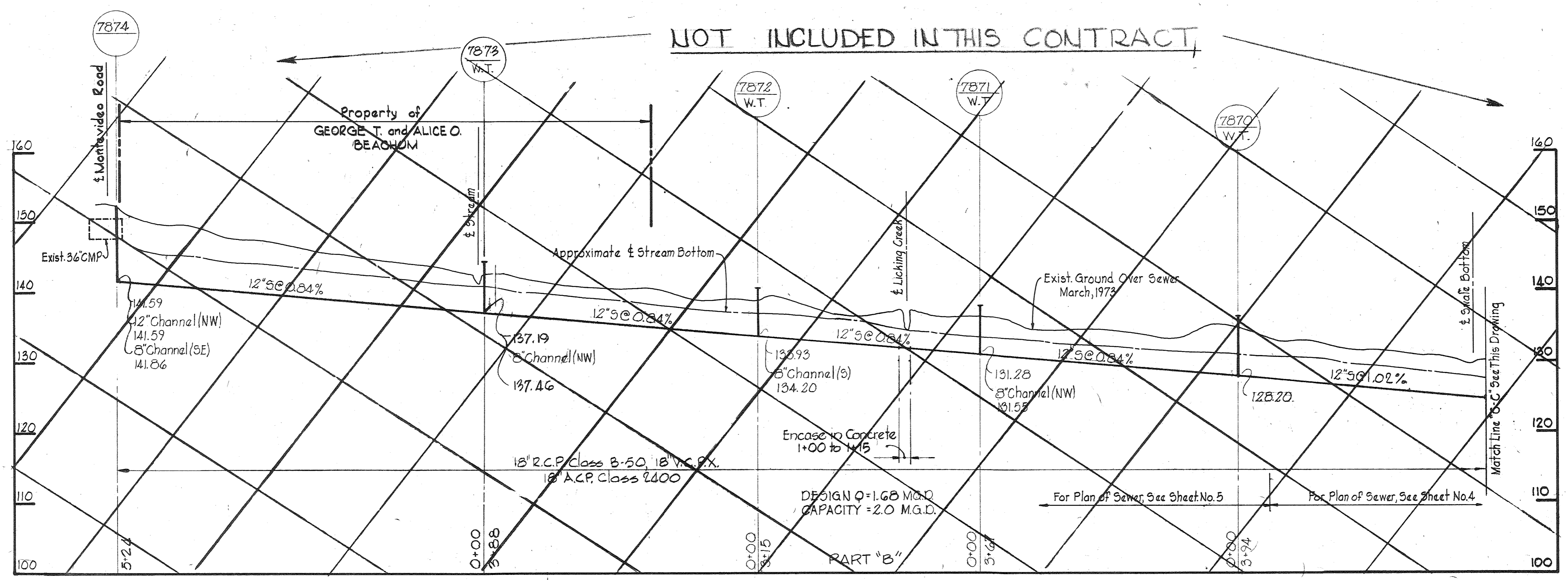
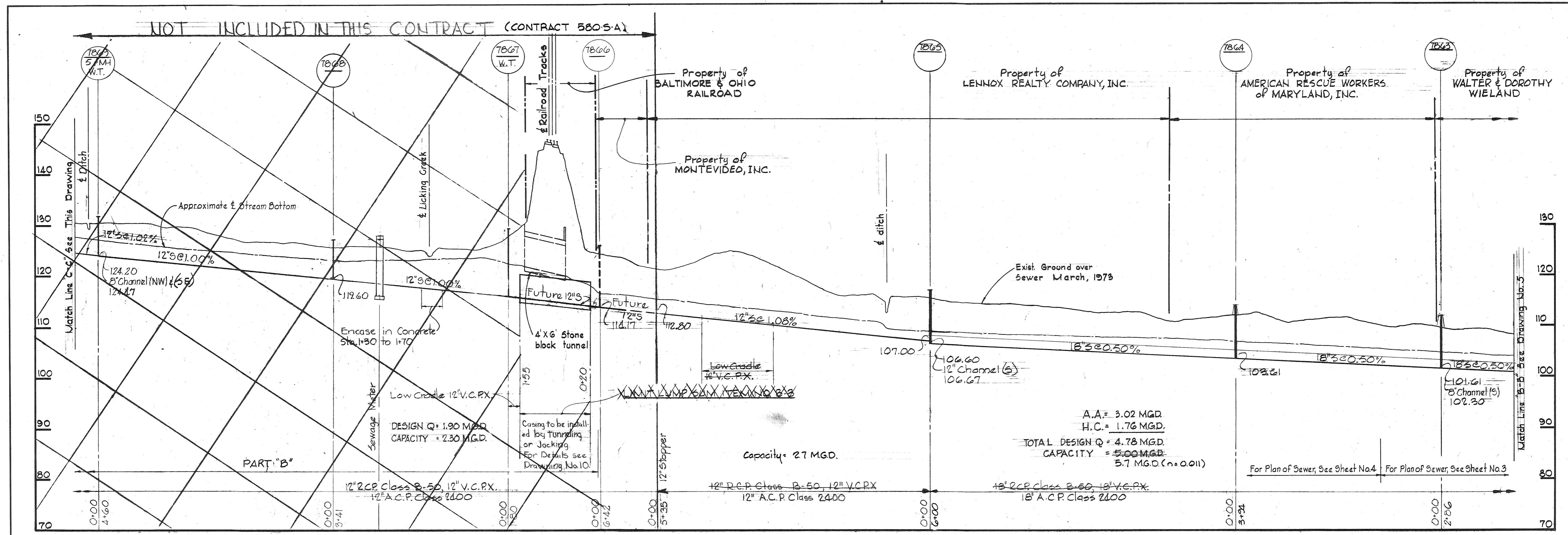
Licking Creek Interceptor  
 Project No. 5-4-6046  
 Contract No. 580-5

|   |   |  |                            |                           |   |
|---|---|--|----------------------------|---------------------------|---|
| WHITMAN, REQUARDT & ASSOCIATES<br>ENGINEERS<br>1304 ST. PAUL ST.<br>BALTIMORE, MARYLAND | DEPARTMENT OF PUBLIC WORKS<br>HOWARD COUNTY, MARYLAND<br>19 Regard 2-23-77<br>DIRECTOR OF PUBLIC WORKS - DATE | CONTRACT NO. 580-S<br>PROJECT NO. S-4-6046<br>W.O. Lullert 2-23-77<br>CHIEF-BUREAU OF ENGINEERING - DATE | PROFILES OF<br>SEWER MAINS | LICKING CREEK INTERCEPTOR | DRAWING NO. 5 OF 8<br>SCALE H:1"=100'<br>V:1"=10' |
|---|---|--|----------------------------|---------------------------|---|

W. O. 6800-2

March 27, 1981  
 AS-BUILT FEB 6, 1979

WS 580-5/5



*Kenneth A. McCord*

Licking Creek Interceptor  
 Project No 5-4-6046  
 Contract No 580-5

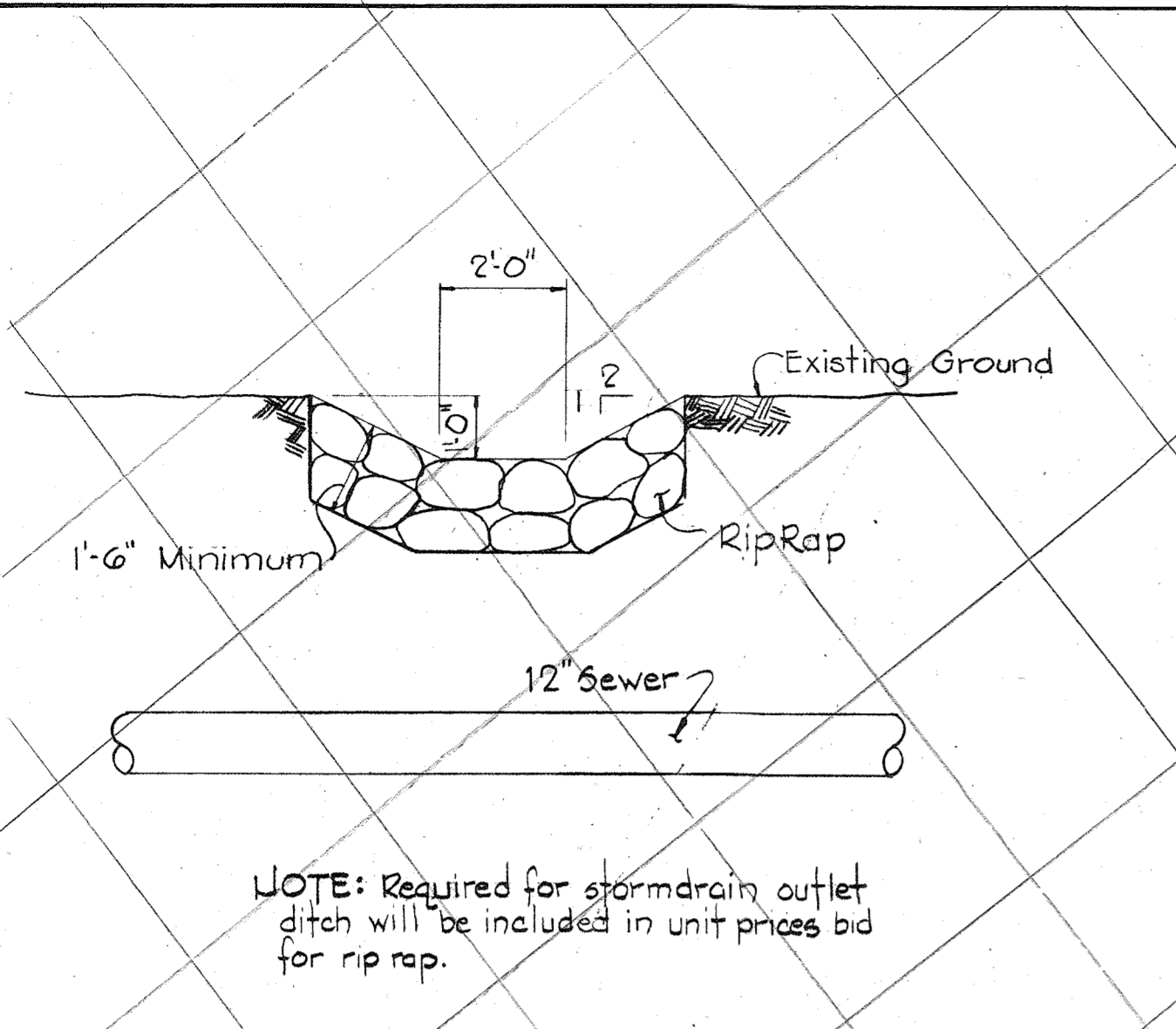
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|---|--|--|----------------------------|---------------------------|--|

W.O. 6800-2

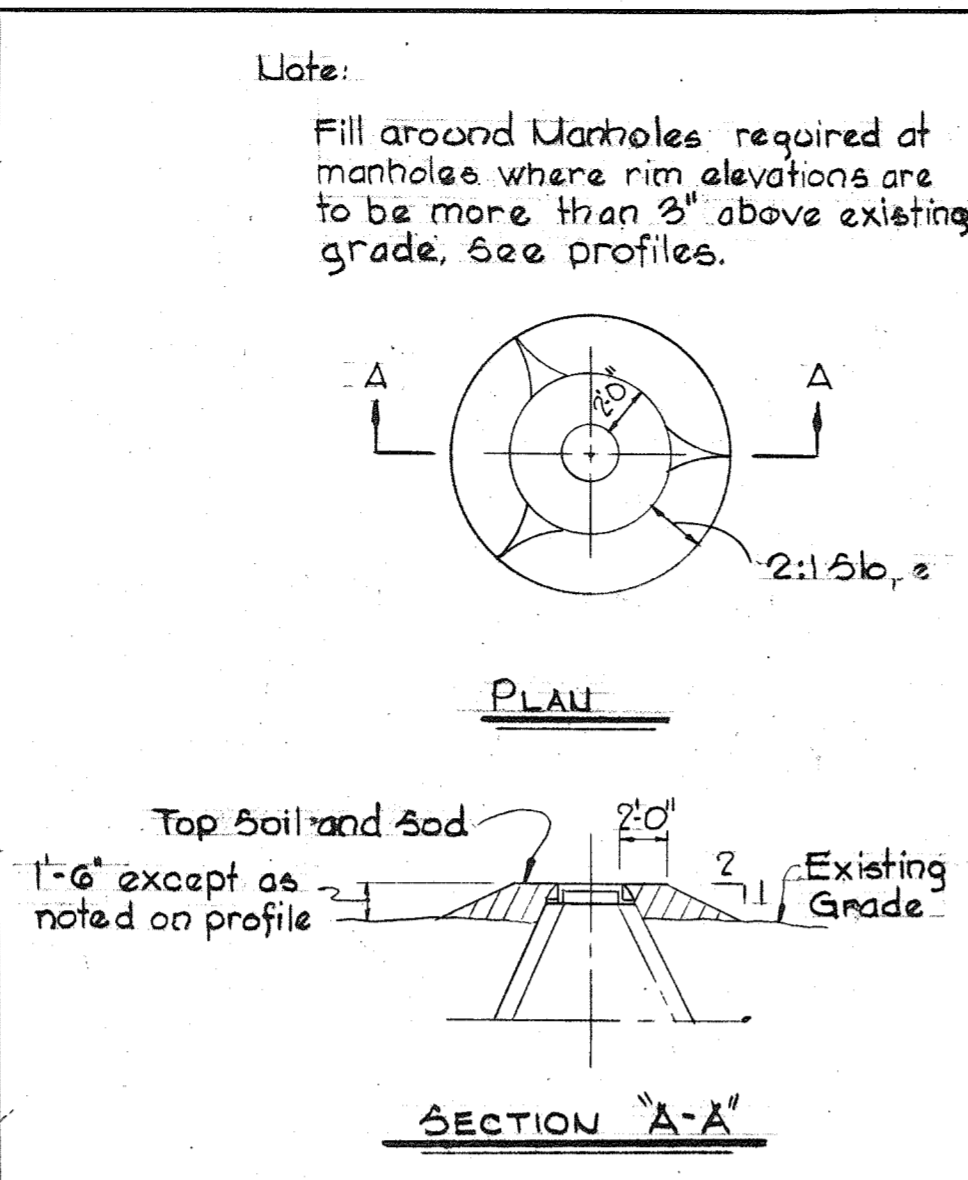
AS-BUILT  
 March 27, 1981

JAN 23, 1979

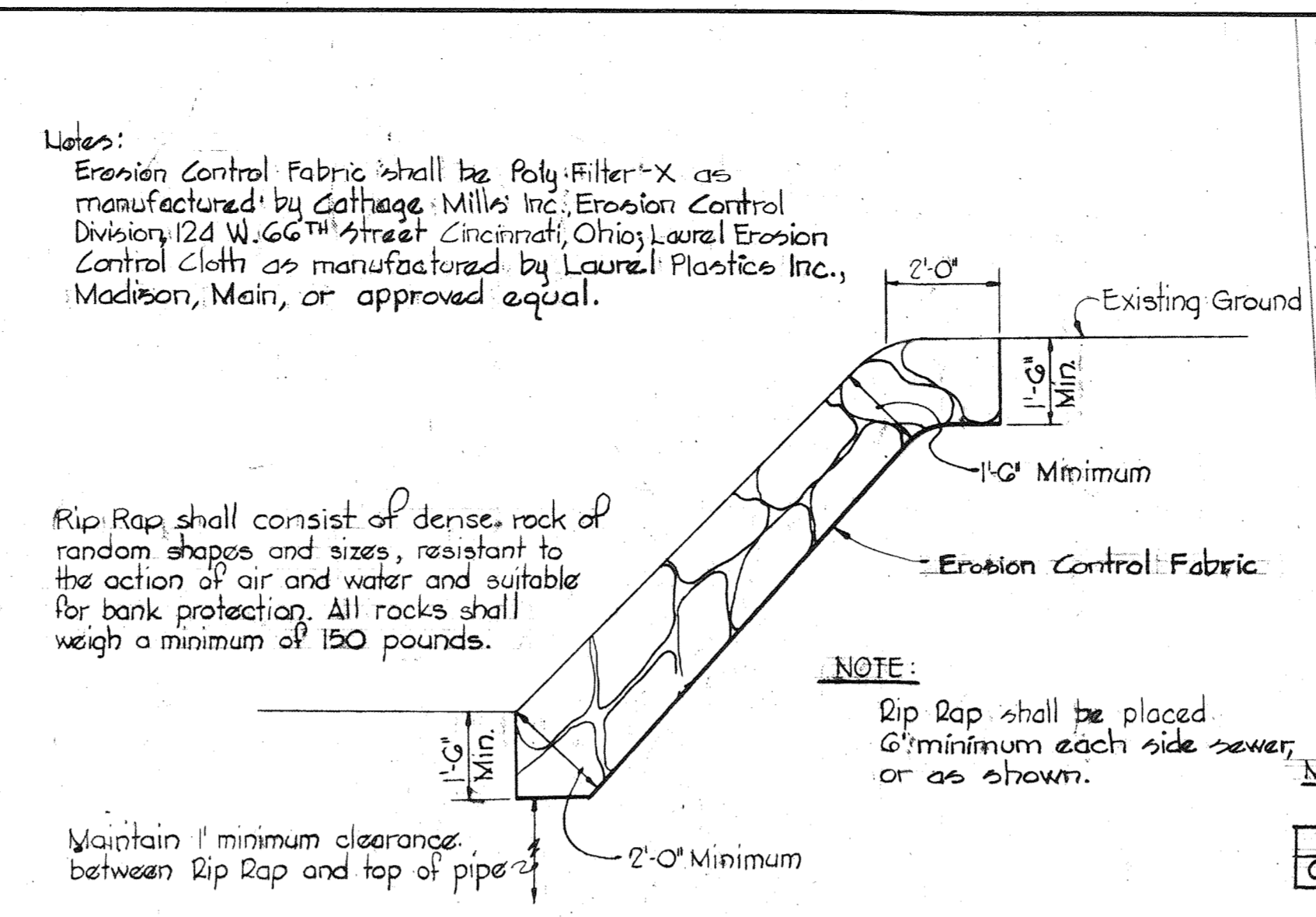
WS 580-S/6



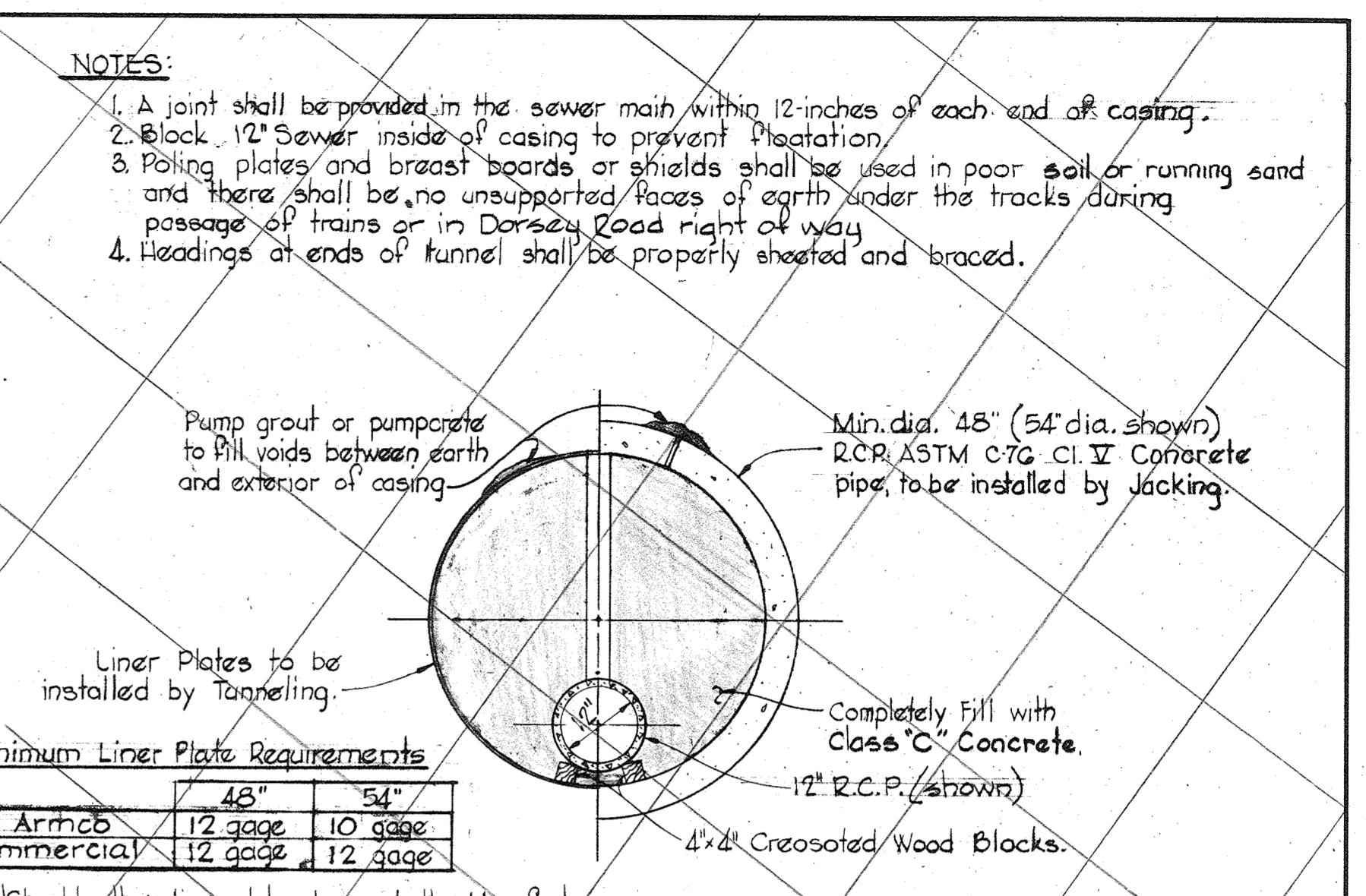
**DETAIL OF STORM DRAIN OUTLET AT MANHOLE 7871**  
Scale: 3/8" = 1'-0"



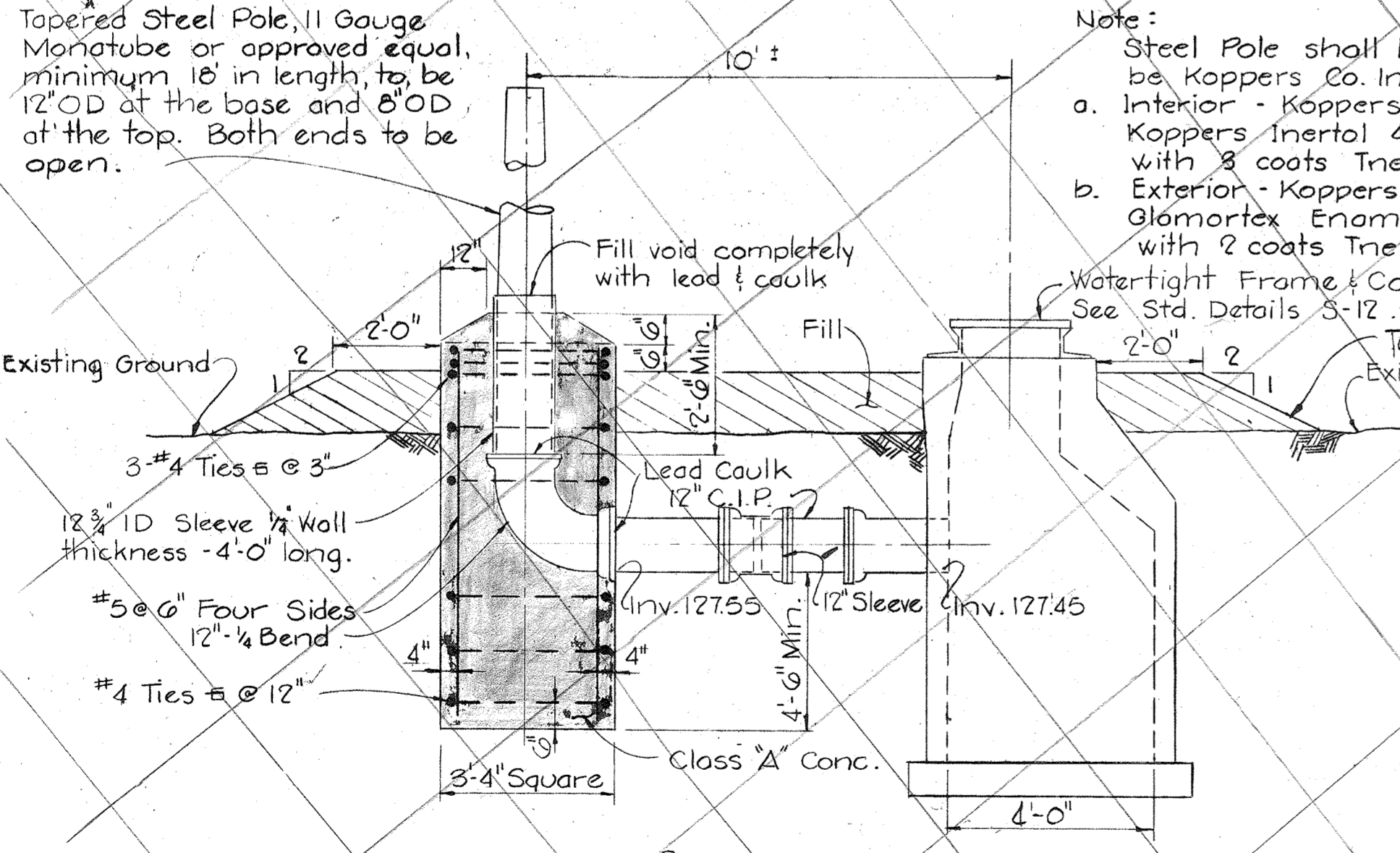
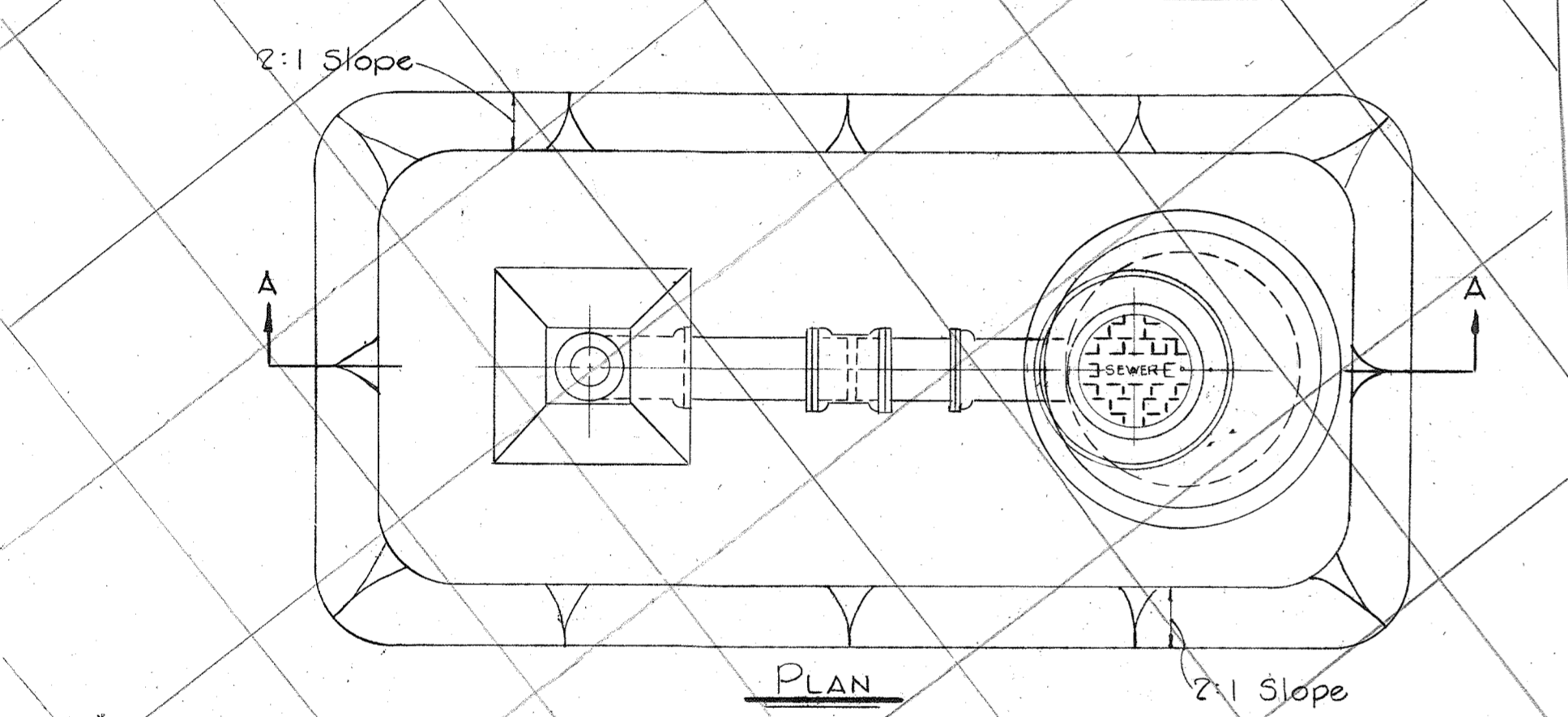
**FILL AT MANHOLES**  
Scale: 1/8" = 1'-0"



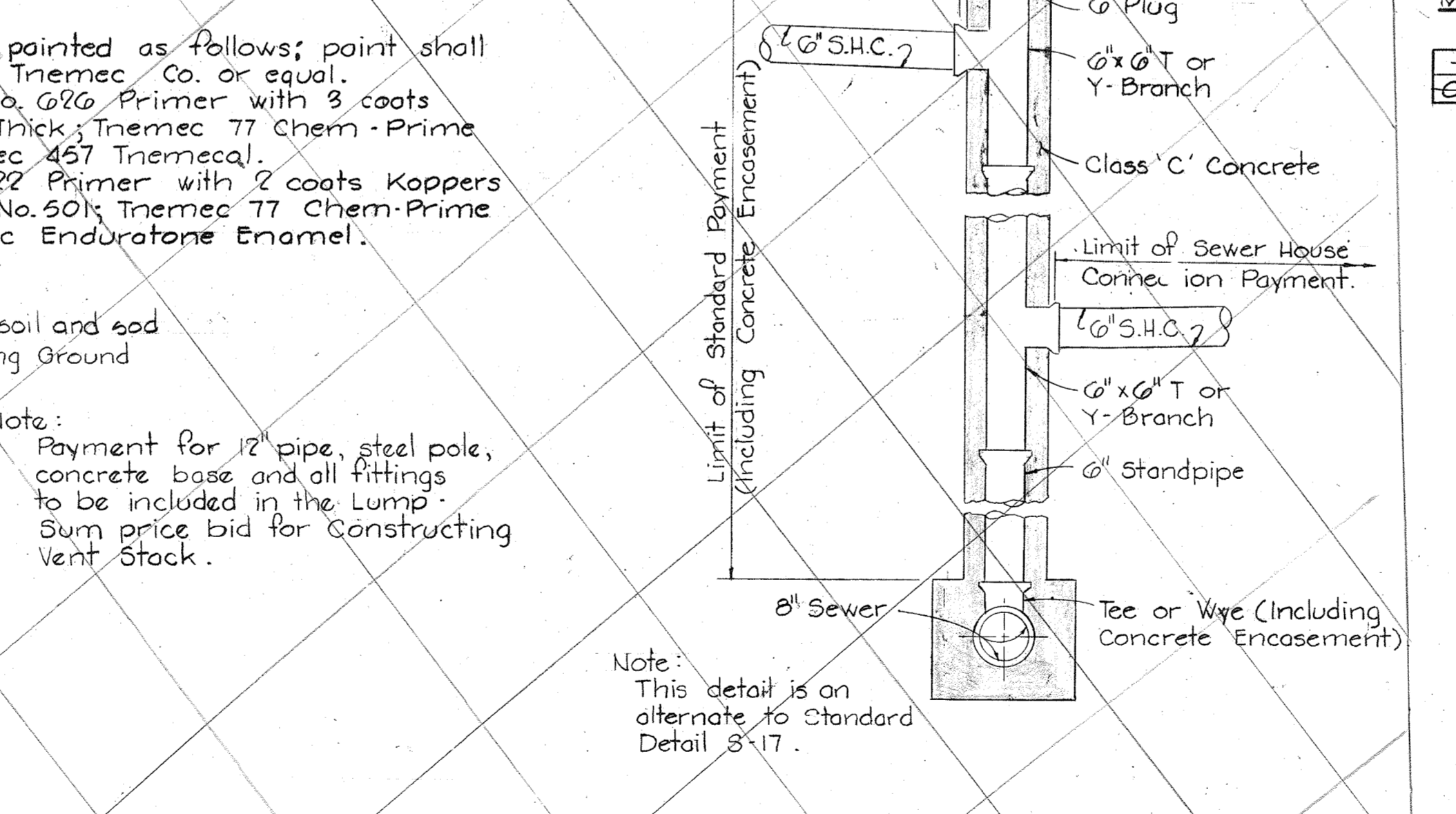
**RIP RAP DETAIL**  
Scale: 3/8" = 1'-0"



**DETAIL OF CASING PIPE CROSSING B&O RAILROAD**  
Scale: 1/2" = 1'-0"

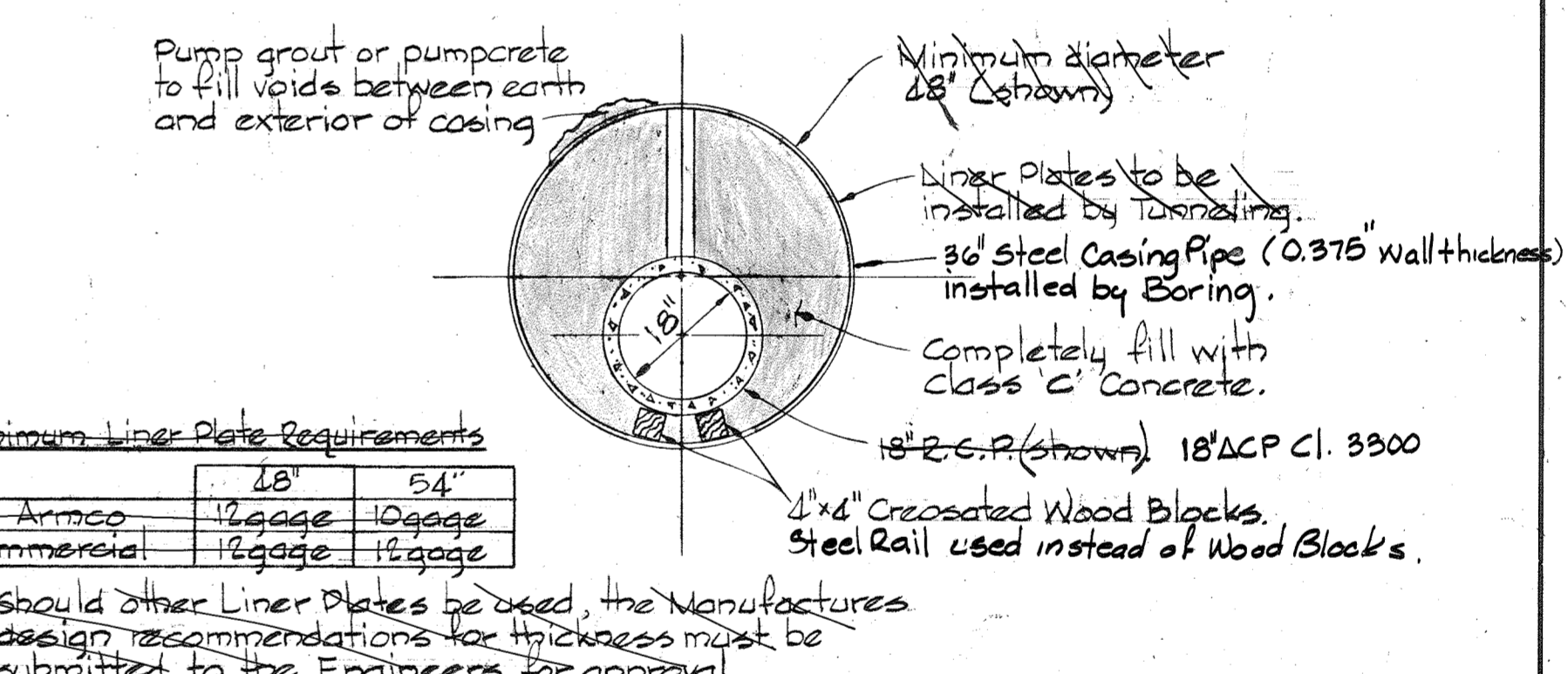


**DETAIL OF VENT STACK**  
Scale: 3/8" = 1'-0"



**DETAIL OF DOUBLE DROP HOUSE CONNECTION**  
Scale: 1/2" = 1'-0"

**NOT INCLUDED IN THIS CONTRACT**



**DETAIL OF CASING PIPE CROSSING DORSEY ROAD**  
Scale: 1/2" = 1'-0"

Note: This Drawing is for Crossing of Dorsey Road, Rip-Rap, and Fill At Manholes only.



*Kenneth A. McCord*

Licking Creek Interceptor  
Project No. S-4-6046  
Contract No. 580-5

|                    |                |
|--------------------|----------------|
| DRAWING NO. 7 OF 8 | SCALE AS SHOWN |
|--------------------|----------------|

JAN 9 1979 March 27, 1981 As-Built

WHITMAN, REQUARDT & ASSOCIATES  
ENGINEERS  
1304 ST. PAUL ST.  
BALTIMORE, MARYLAND

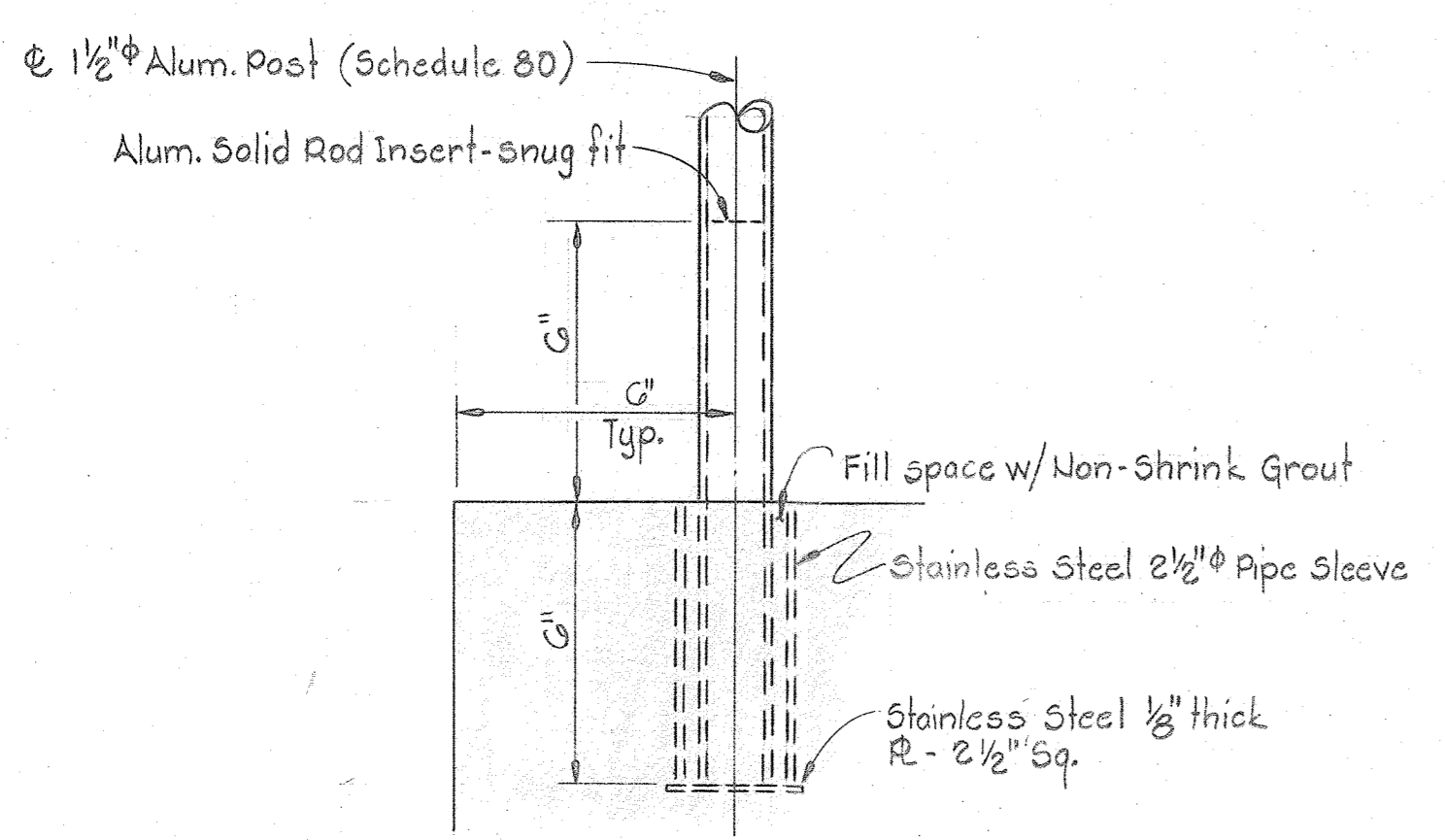
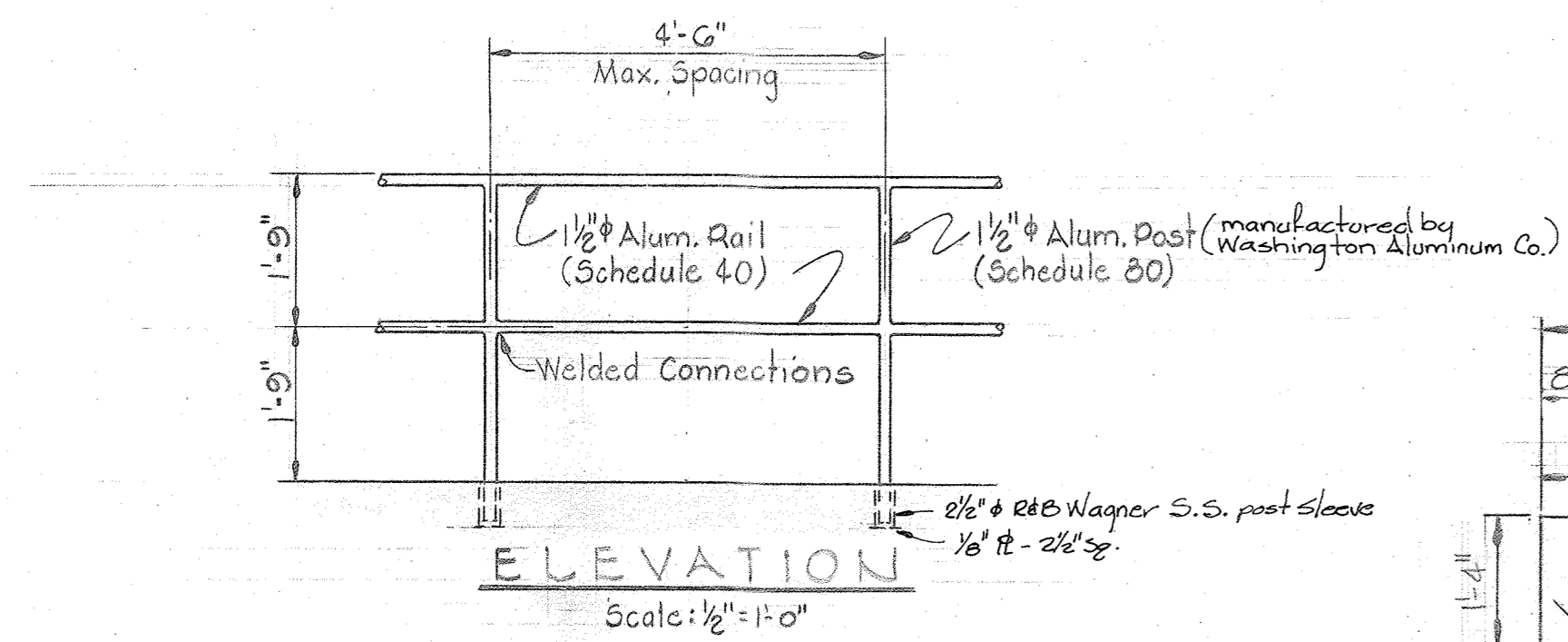
DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
2-23-77  
DIRECTOR OF PUBLIC WORKS - DATE

CONTRACT NO. 580-S  
PROJECT NO. S-4-6046  
W.C. Filbert 2-23-77  
CHIEF-BUREAU OF ENGINEERING - DATE

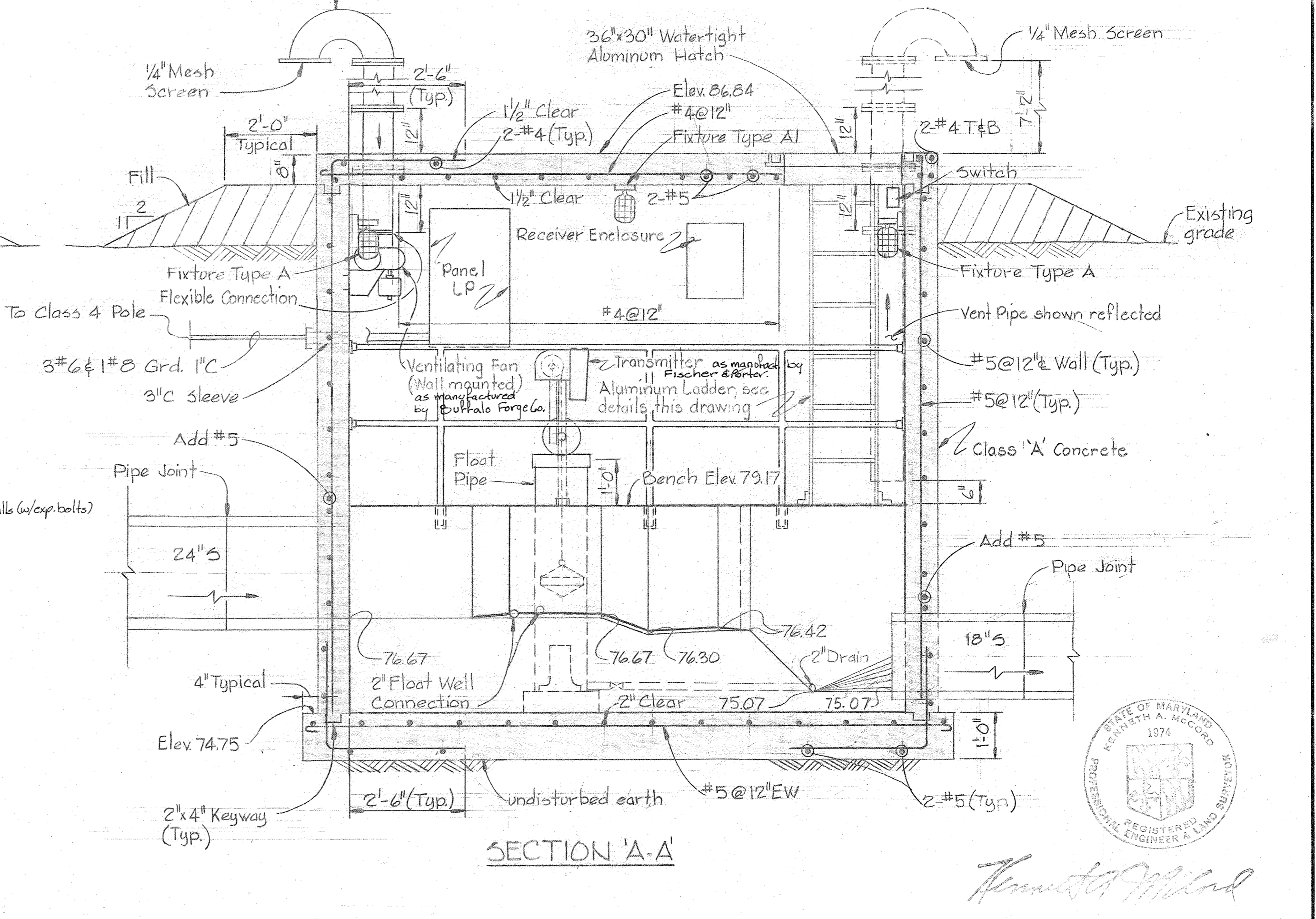
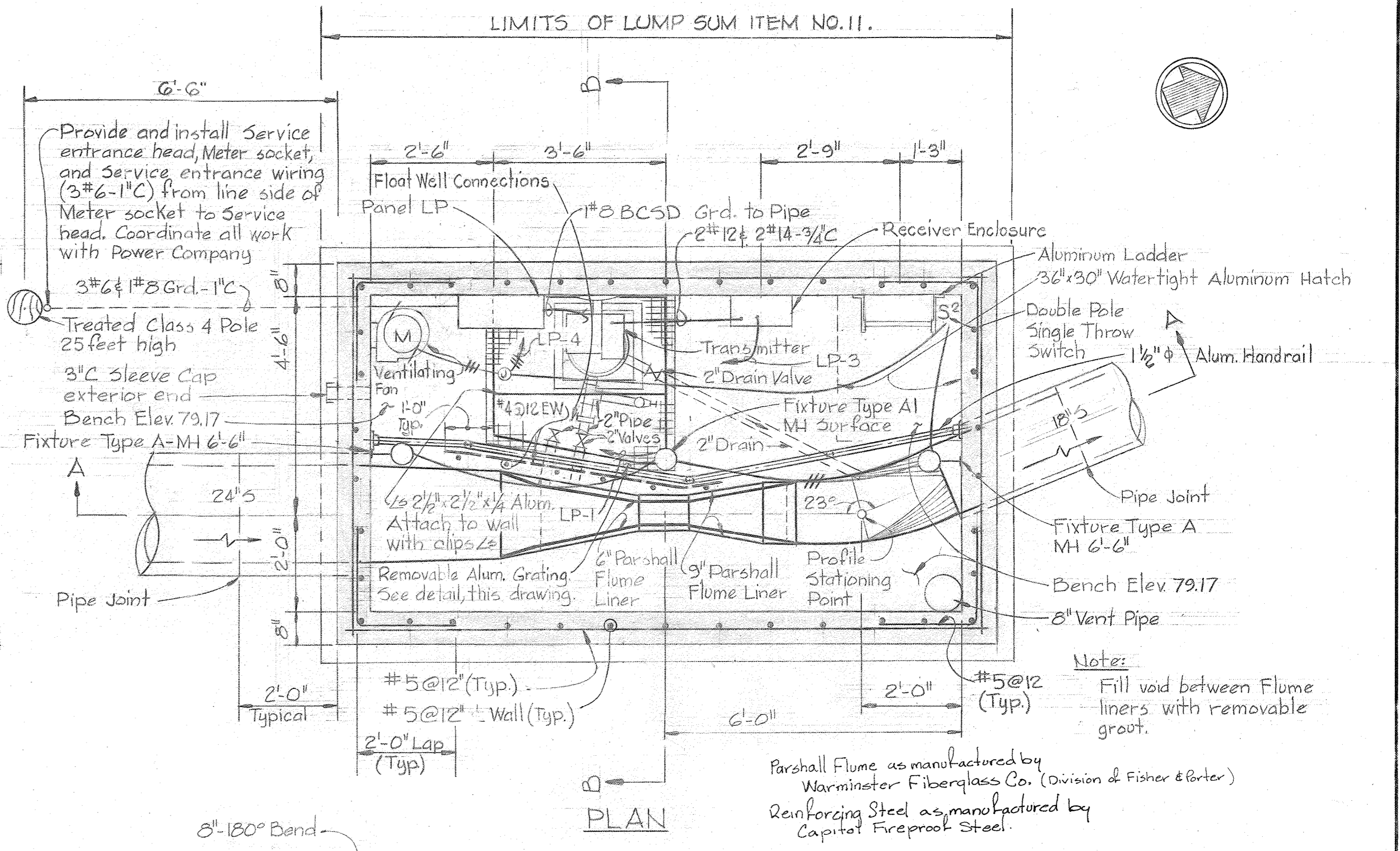
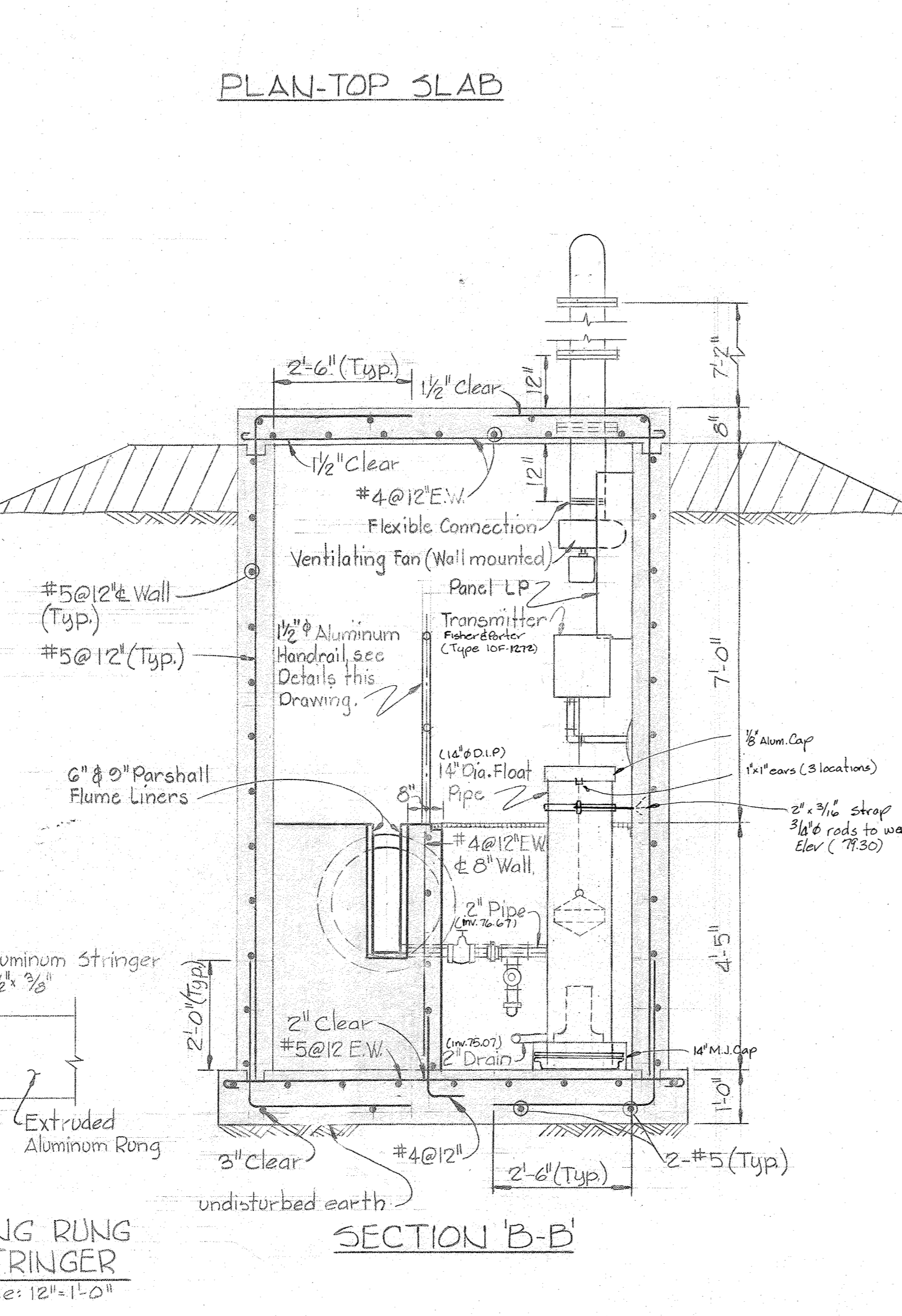
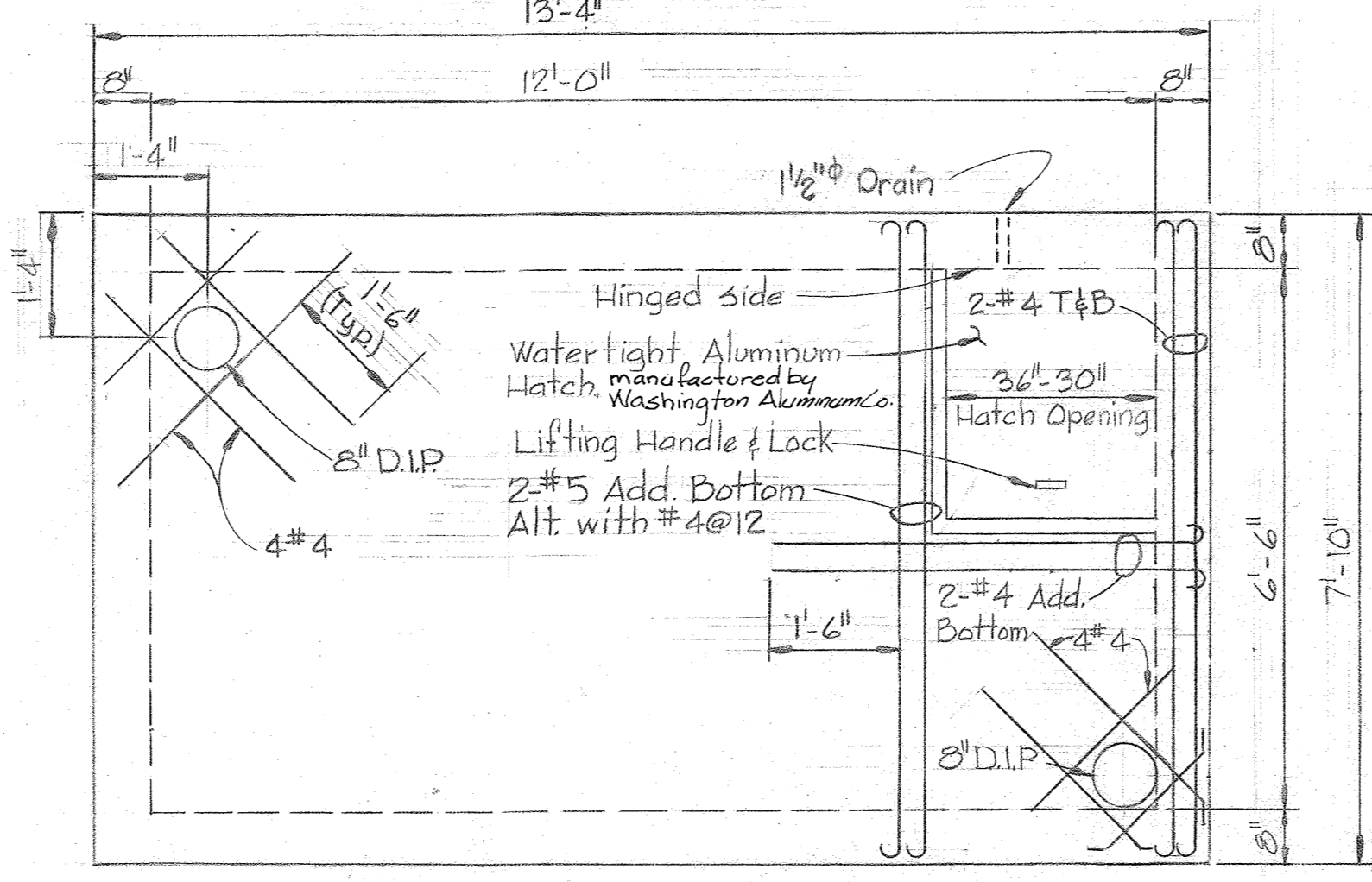
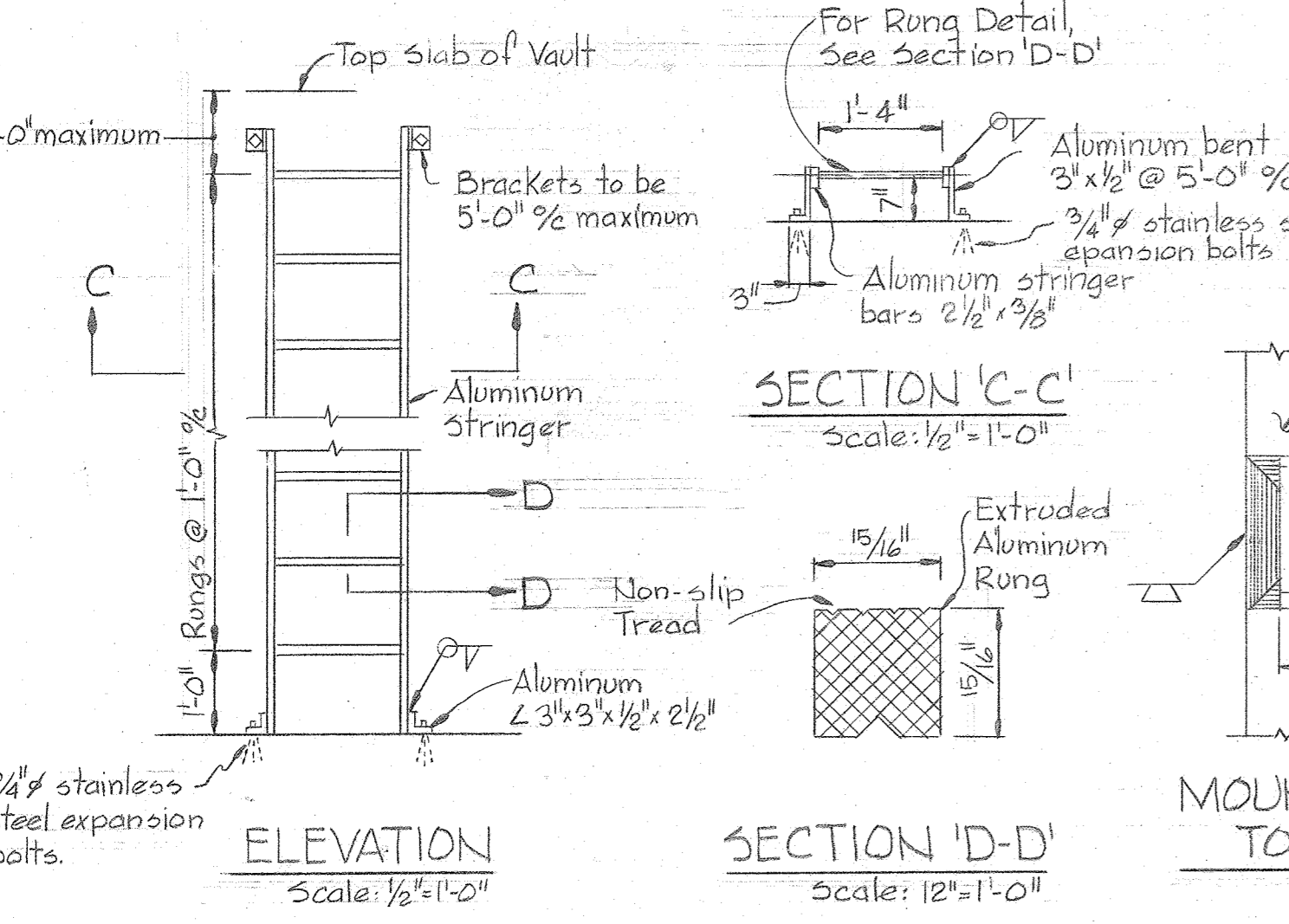
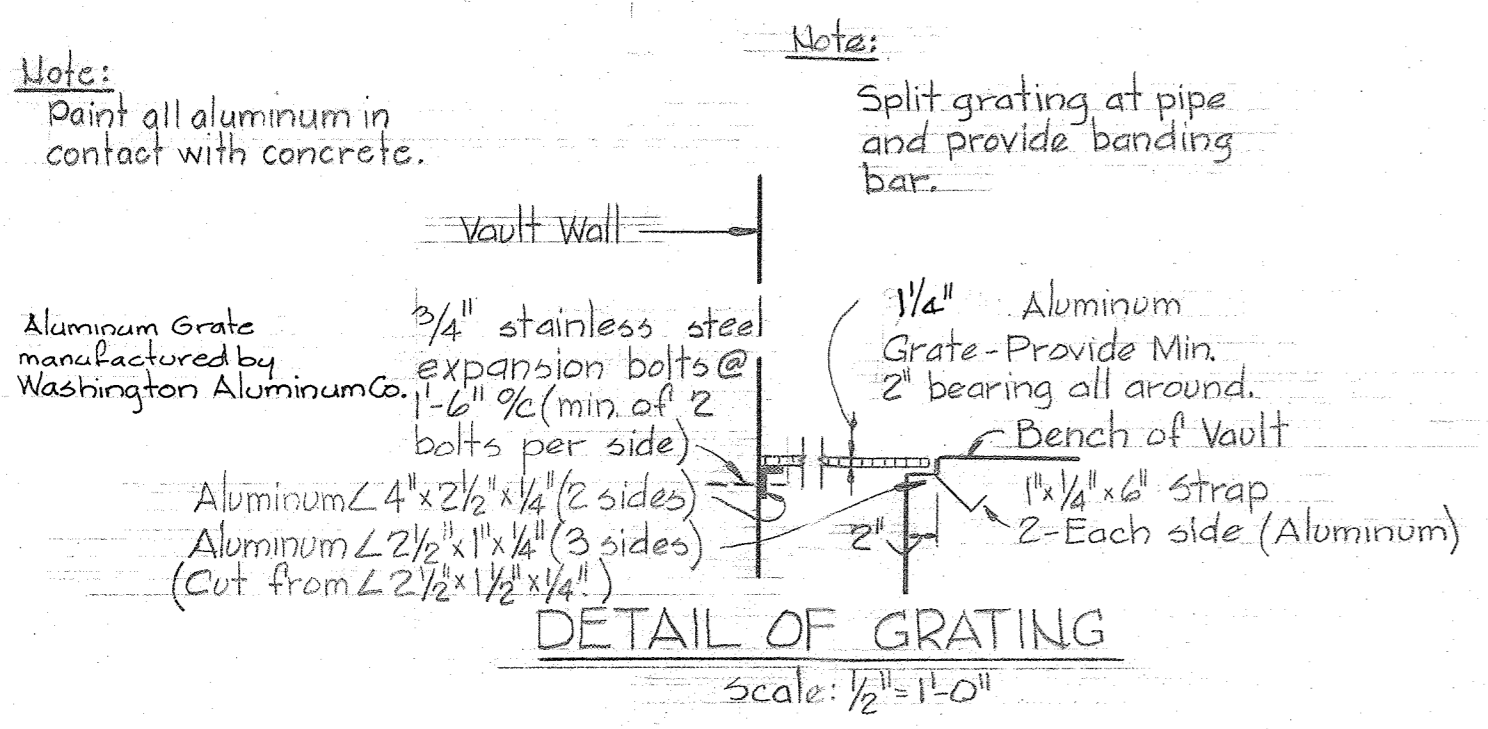
DETAILS

LICKING CREEK INTERCEPTOR

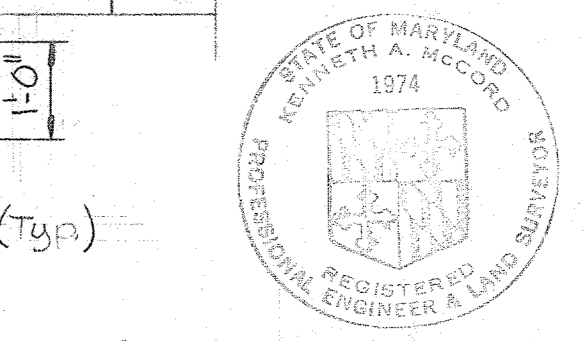
WS 580-SM



**DETAILS OF ALUMINUM HANDRAIL**  
Scale: As Shown



**DETAILS OF SEWAGE METER VAULT-PARSHALL FLUME**  
Scale: 1/2" = 1'-0"



*A. L. Smith*

Licking Creek Interceptor  
Project No. S-4-6046  
Contract No. 580-S

|  |   |   |                                      |                                  |  |
|--|---|---|--------------------------------------|----------------------------------|--|
| <b>WHITMAN, REQUARDT &amp; ASSOCIATES</b><br>ENGINEERS<br>1304 ST. PAUL ST.<br>BALTIMORE, MARYLAND | <b>DEPARTMENT OF PUBLIC WORKS</b><br>HOWARD COUNTY, MARYLAND<br><i>Richard E. Stuedemann</i> 1/19/79<br>DIRECTOR OF PUBLIC WORKS - DATE | <b>CONTRACT NO. 580-S</b><br><i>W. O. Gilbert</i> 1-19-79<br>CHIEF-BUREAU OF ENGINEERING - DATE | <b>DETAILS OF SEWAGE METER VAULT</b> | <b>LICKING CREEK INTERCEPTOR</b> | <b>DRAWING NO. 8 OF 8</b><br><b>SCALE AS SHOWN</b> |
|--|---|---|--------------------------------------|----------------------------------|--|

WS 580-S/8