

ALBUQUERQUE METROPOLITAN  
ARROYO FLOOD CONTROL AUTHORITY

ALBUQUERQUE NEW MEXICO

I N D E X

| DESCRIPTION                               | SHEET NO. |
|-------------------------------------------|-----------|
| TITLE SHEET                               | 1         |
| GENERAL PLAN                              | 2         |
| PLAN & PROFILE—STA. 253+00 TO STA. 288+00 | 3         |
| PLAN & PROFILE—STA. 288+00 TO STA. 321+00 | 4         |
| PLAN & PROFILE—STA. 321+00 TO STA. 358+00 | 5         |
| PLAN & PROFILE—STA. 358+00 TO STA. 396+00 | 6         |
| SECTIONS & DETAILS                        | 7         |

EMERGENCY FLOOD PROTECTION WORKS  
SOUTH DIVERSION CHANNEL

WILLIAM MATOTAN & ASSOCIATES  
ENGINEERS

ALBUQUERQUE



NEW MEXICO

DRAWING OF WORK AS BUILT

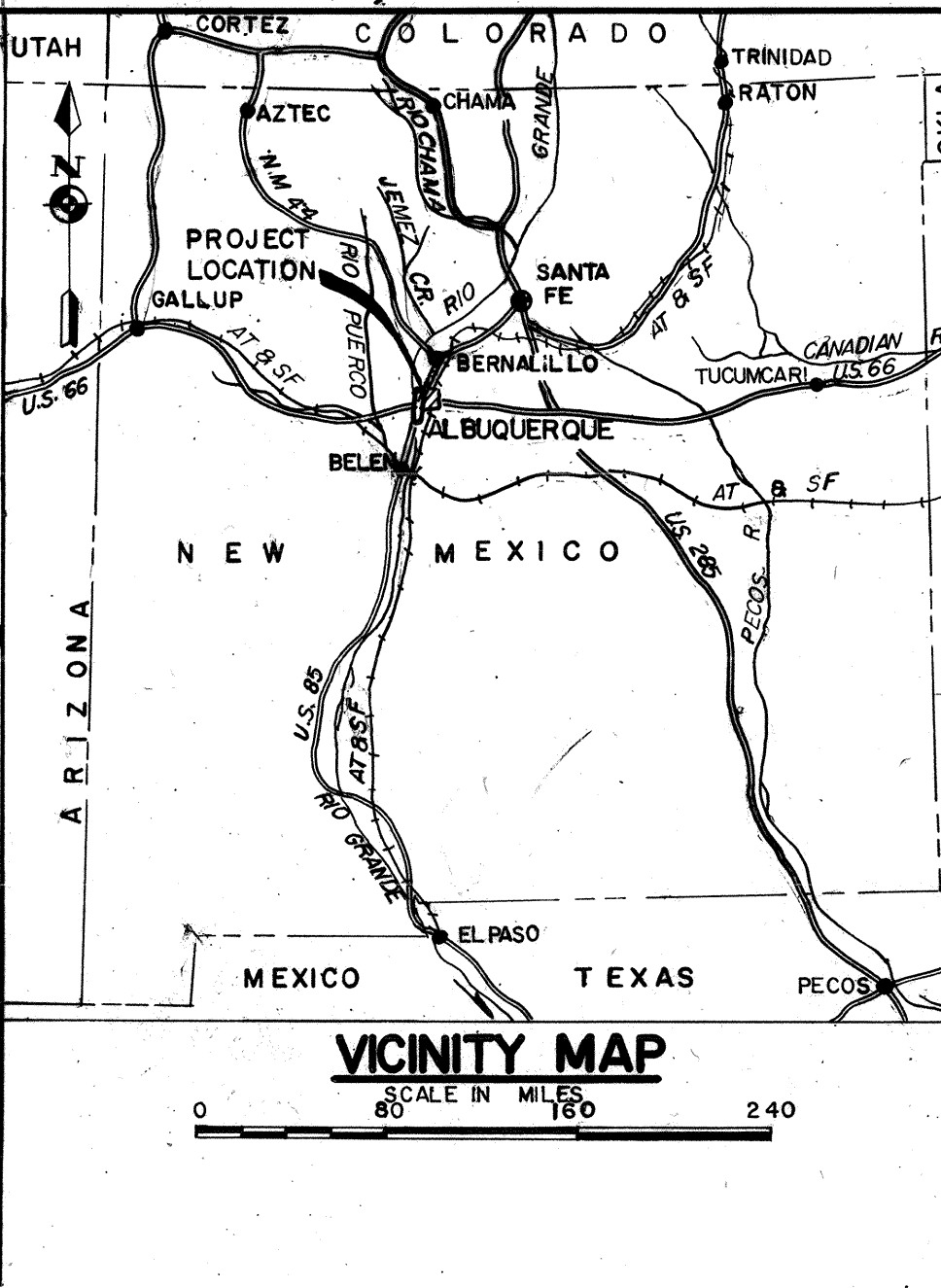
RGR-AL-O-24

REFERENCE DWG NO. 1.  
SET No. \_\_\_\_\_

As BUILT

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- 1" = 2000'
- 
- A horizontal graphic scale bar with alternating black and white segments. It is marked with '0', '2000'', '4000'', and '6000'' from left to right.

18. Work included in this contract is shown shaded on plan & profile sheets.

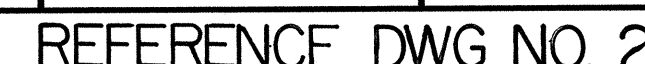
NOTE: ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

|                                                                                           |                                             |                   |
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| ALBUQUERQUE METROPOLITAN<br>ARROYO FLOOD CONTROL AUTHORITY<br>ALBUQUERQUE NEW MEXICO      |                                             |                   |
| <b>EMERGENCY FLOOD PROTECTION WORKS</b><br>SOUTH DIVERSION CHANNEL<br><b>GENERAL PLAN</b> |                                             |                   |
| WILLIAM MATOTAN & ASSOCIATES - ENGINEERS<br>ALBUQUERQUE, NEW MEXICO                       |                                             |                   |
| SCALE: AS SHOWN                                                                           | DRAWN: <b>R.L.</b><br>CHECKED: <b>J.T.M</b> | DATE: MARCH, 1970 |

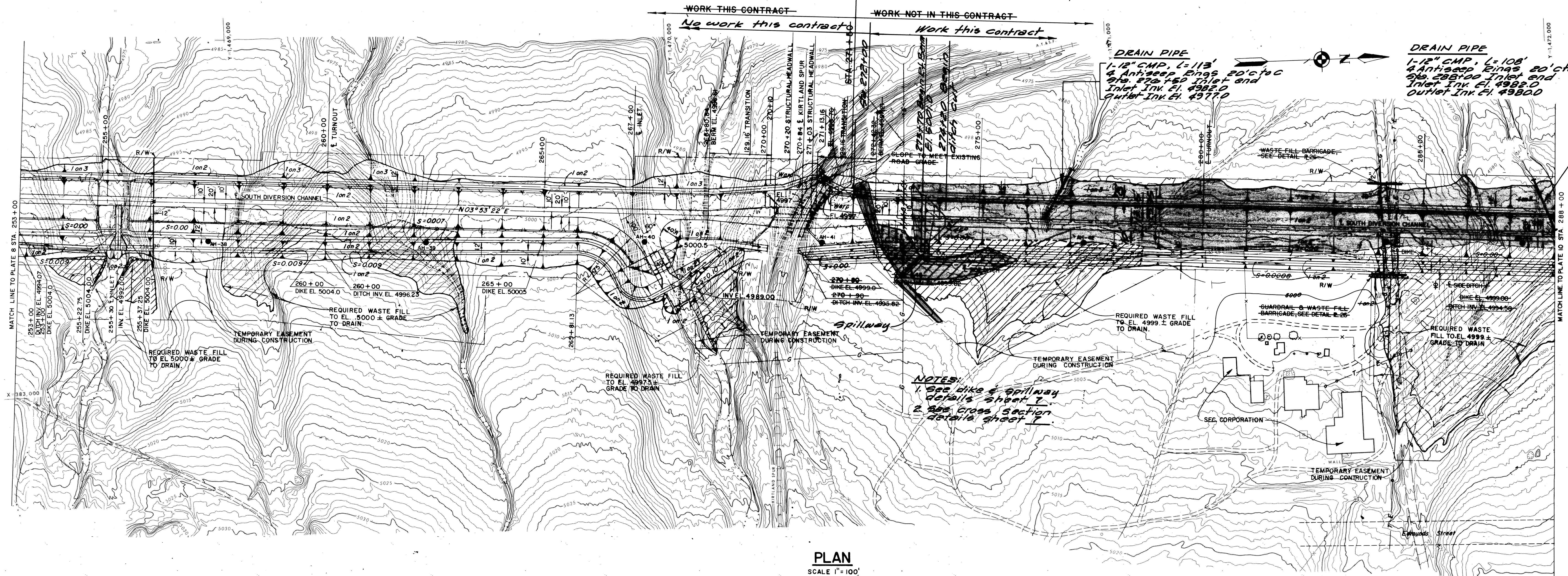
## AS BUILT

SHEET  
2  
OF  
7



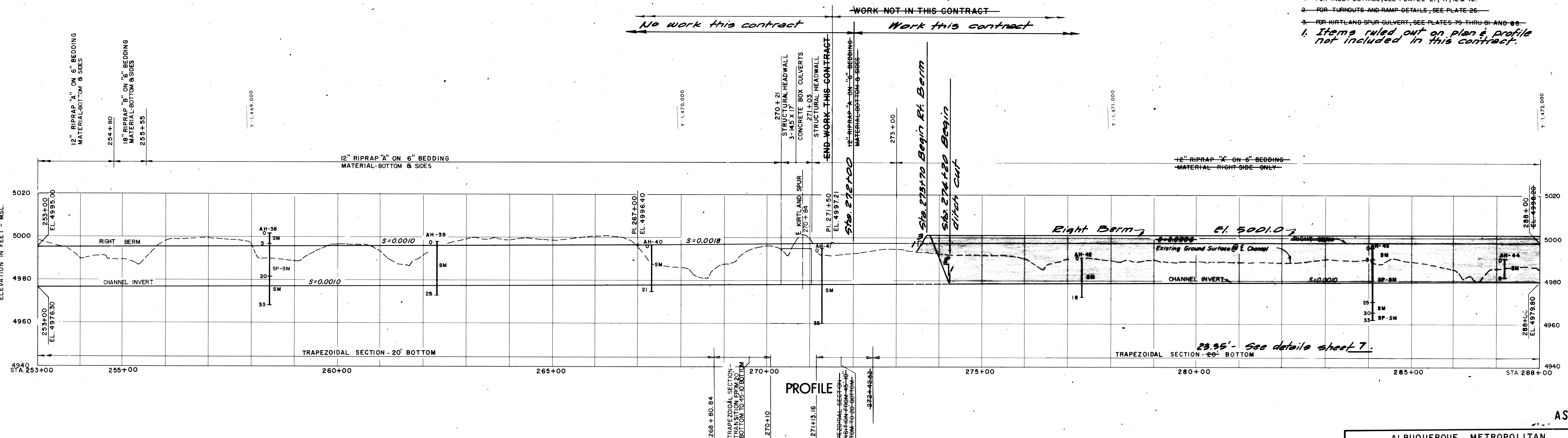




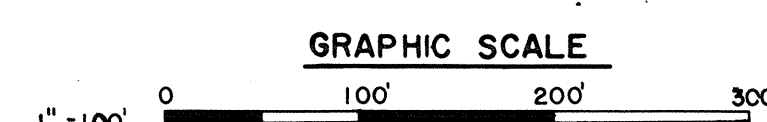


**PLAN**  
SCALE 1" = 100'

- NOTES:
- FOR INLET DETAILS, SEE PLATES 21, 41, 42 & 43.
  - FOR TURNOUTS AND RAMP DETAILS, SEE PLATE 26.
  - FOR KIRTLAND SPUR CULVERT, SEE PLATES 79 THRU 81 AND 88.
1. Items ruled out on plan & profile not included in this contract.



**PROFILE**



NOTE: ALL OPERATIONS PERFORMED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

| SYMBOL | DESCRIPTIONS | DATE | APPROVAL |
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DRAWING OF WORK AS BUILT

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| ALBUQUERQUE METROPOLITAN<br>ARROYO FLOOD CONTROL AUTHORITY<br>ALBUQUERQUE NEW MEXICO |                                |
| <b>EMERGENCY FLOOD PROTECTION WORKS</b>                                              |                                |
| SOUTH DIVERSION CHANNEL<br>PLAN & PROFILE<br>STA. 253+00 TO STA. 288+00              |                                |
| WILLIAM MATOTAN & ASSOCIATES - ENGINEERS<br>ALBUQUERQUE, NEW MEXICO                  |                                |
| SCALE: AS SHOWN                                                                      | DRAWN: R.L.<br>CHECKED: J.T.M. |
| DATE: MARCH, 1970                                                                    |                                |

RGR-AL-O-26 REFERENCE DWG NO 3



Borrow 19,387 cu. yds. within  
limits to provide embankment material  
between Sta 272+00 and Sta 291+00

CURVE DATA #8  
A=2°57'19"  
D=2°00'00"  
R=286.17  
T=547.06  
L=1081.10

Work this contract  
No work this contract

Spillway  
Notes:

1. See dike & spillway details  
Sheet 2
2. See cross section details  
Sheet 2

NOTE:  
Items ruled out on plan & profile  
not included in this contract.

PLAN  
SCALE 1"=100'

- NOTES:-
- 1. FOR DROP STRUCTURE-STA 312+00-PLAN & SECTIONS,  
SEE PLATES 23, 57 THRU 60.
  - 2. FOR INLET DETAILS, SEE PLATES 21, 44 THRU 46.
  - 3. FOR TURNOUT AND RAMP DETAILS, SEE PLATE 28.

PROFILE

GRAPHIC SCALE  
1"=100'

NOTE: ALL OPERATIONS PERFORMED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

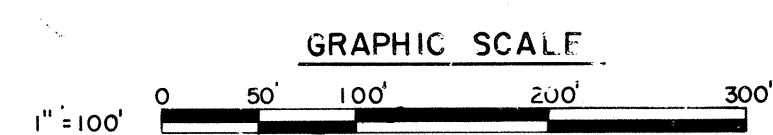
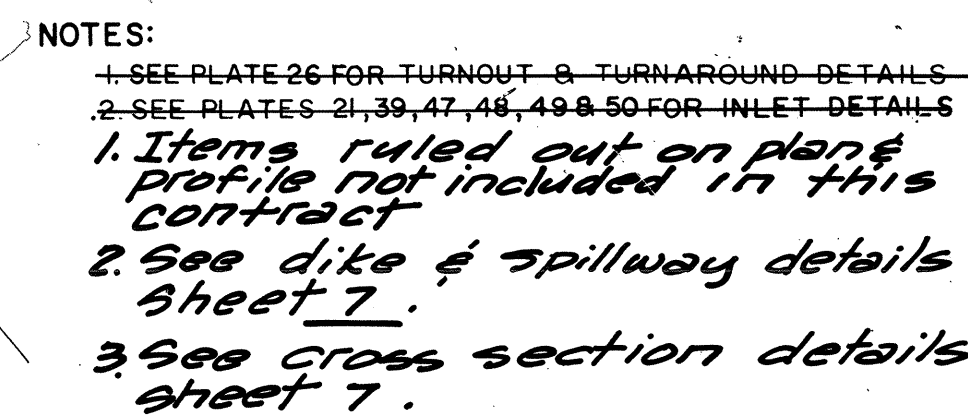
AS BUILT

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|-------------------------------------------------------------------------------------------------------------|-------------------|-----------------------|
| ALBUQUERQUE METROPOLITAN<br>ARROYO FLOOD CONTROL AUTHORITY<br>ALBUQUERQUE<br>NEW MEXICO                     |                   | SHEET<br>4<br>OF<br>7 |
| EMERGENCY FLOOD PROTECTION WORKS<br>SOUTH DIVERSION CHANNEL<br>PLAN & PROFILE<br>STA. 288+00 TO STA. 321+00 |                   |                       |
| WILLIAM MATOTAN & ASSOCIATES - ENGINEERS<br>ALBUQUERQUE, NEW MEXICO                                         |                   |                       |
| SCALE: AS SHOWN<br>DRAWN: R.L.<br>CHECKED: J.T.M.                                                           | DATE: MARCH, 1970 |                       |

RGR-AL-0-27 REFERENCE DWG NO. 4

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NOTE ALL OPERATIONS PERFORMED IN ACCOMPLISHING THIS WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE CORPS OF ENGINEERS MANUAL "GENERAL SAFETY REQUIREMENTS" AND THE CONTRACT SPECIFICATIONS.

[illegible]

|                                                                                                                    |                             |                   |
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| ALBUQUERQUE METROPOLITAN<br>ARROYO FLOOD CONTROL AUTHORITY<br>ALBUQUERQUE NEW MEXICO                               |                             |                   |
| <b>EMERGENCY FLOOD PROTECTION WORKS</b><br>SOUTH DIVERSION CHANNEL<br>PLAN & PROFILE<br>STA. 321+00 TO STA. 358+00 |                             |                   |
| WILLIAM MATOTAN & ASSOCIATES - ENGINEERS<br>ALBUQUERQUE, NEW MEXICO                                                |                             |                   |
| SCALE: AS SHOWN                                                                                                    | DRAWN: R.L.<br>CHECKED: JTM | DATE: MARCH, 1970 |

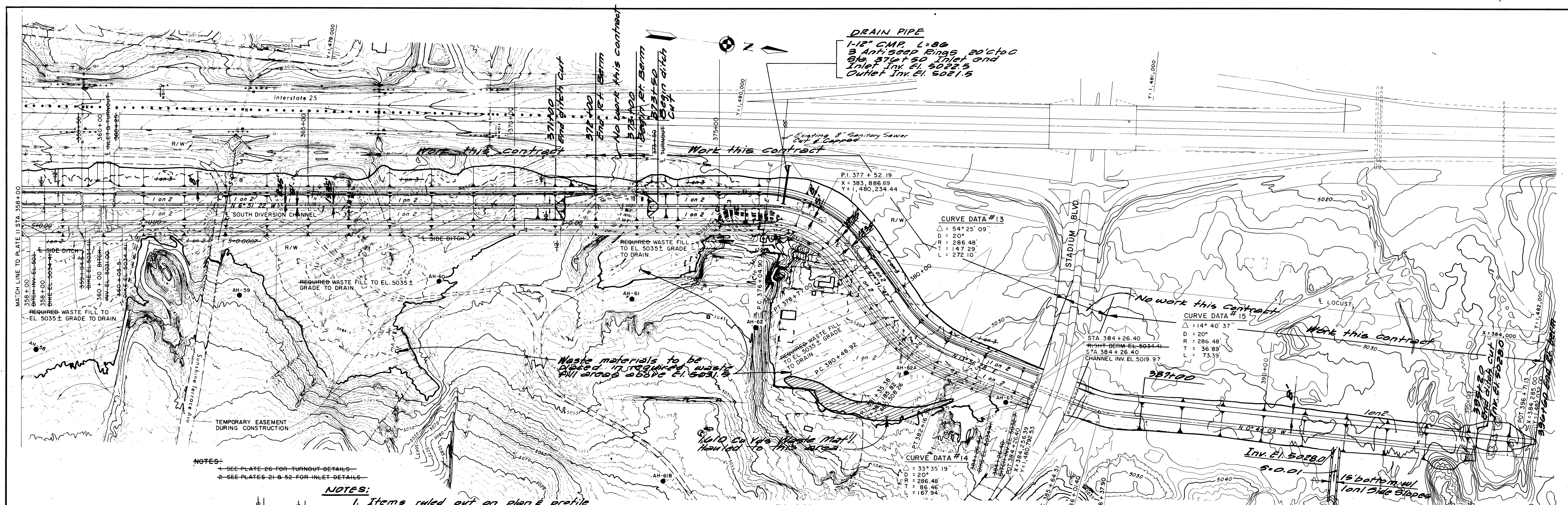
THIS COPY - RETURN TO LIBRARY

**DRAWING OF WORK AS BUILT**

RGR-AL-0-28

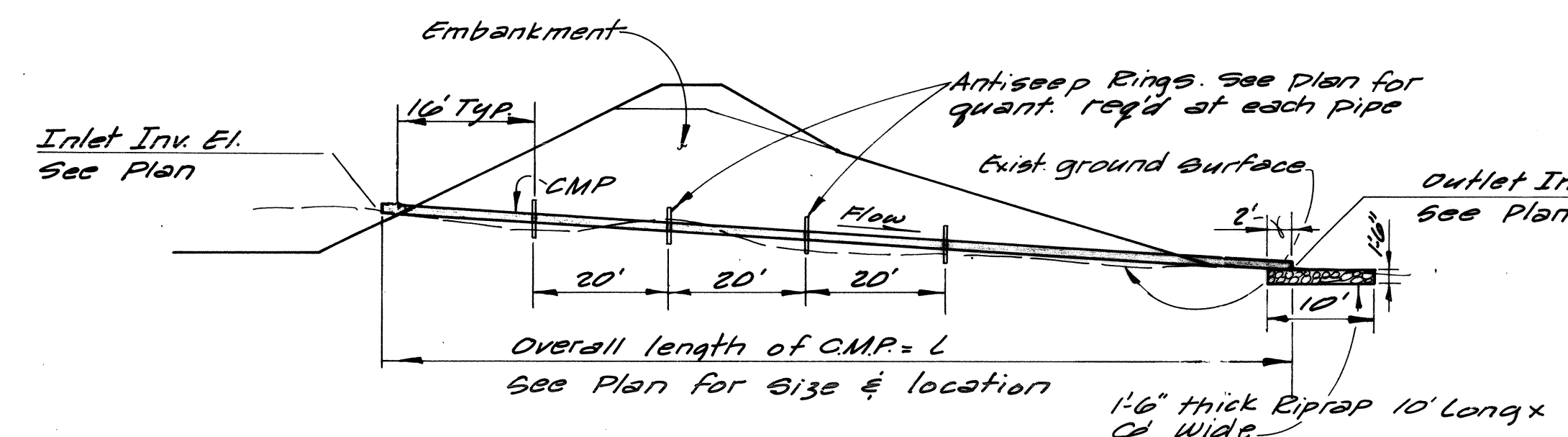
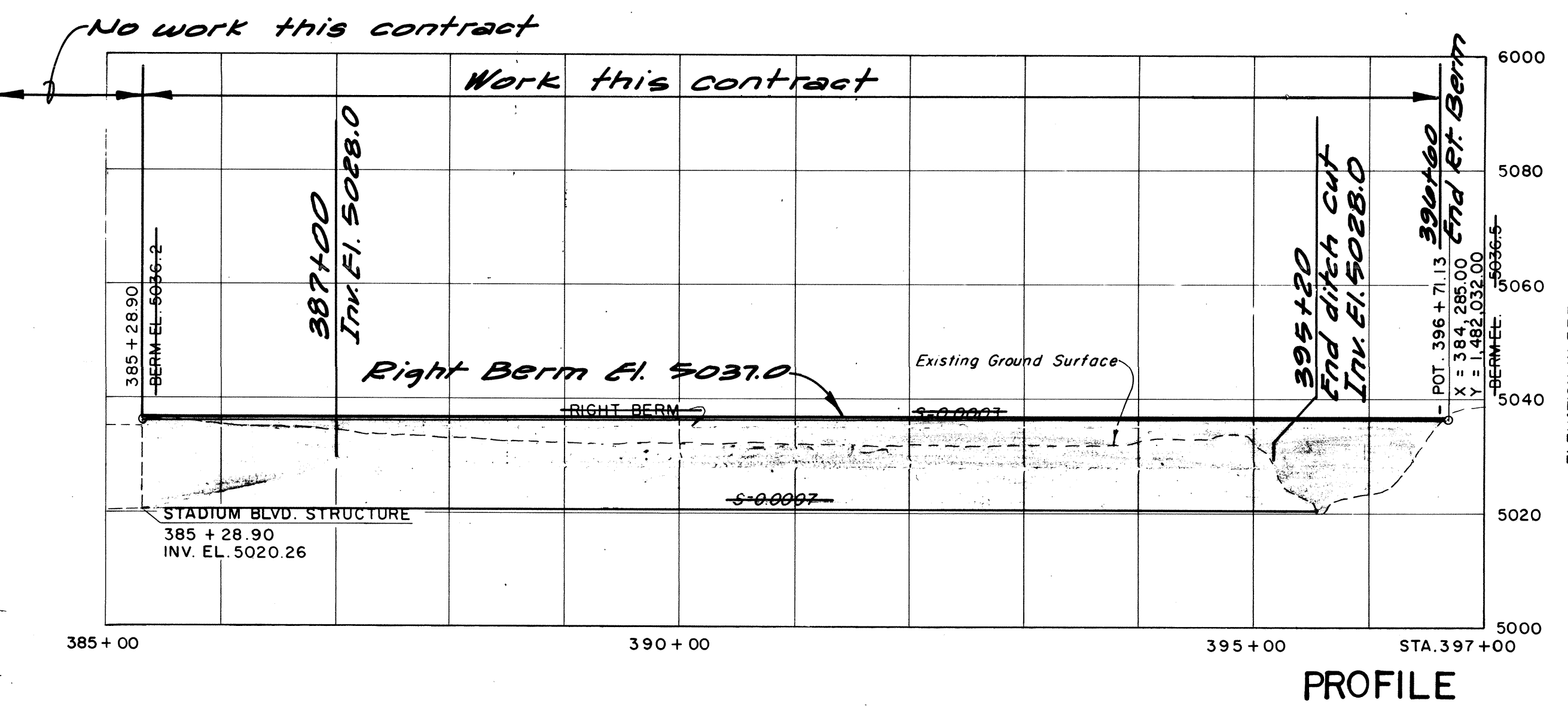
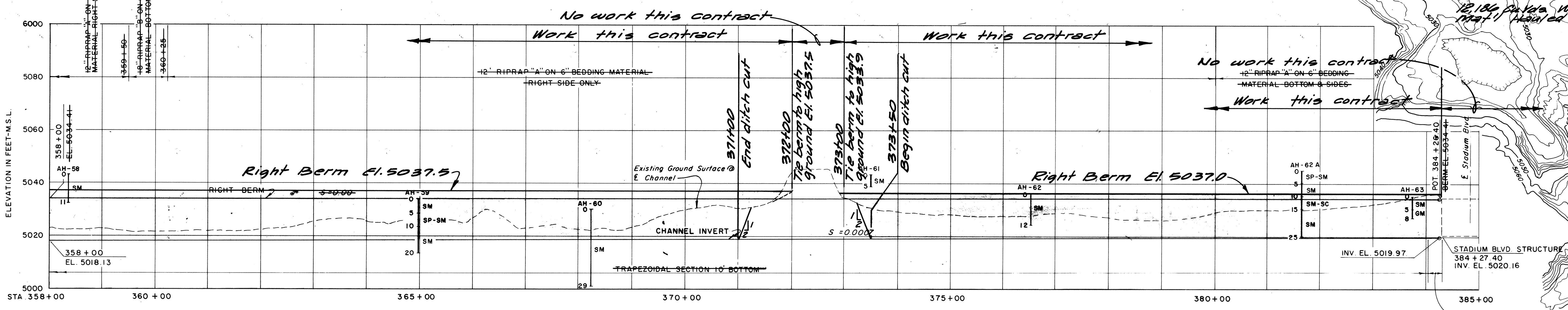
REFERENCE DWG NO. 5





NOTES:  
 1. SEE PLATE 26 FOR TURNOUT DETAILS  
 2. SEE PLATES 21 & 52 FOR INLET DETAILS

- NOTES:**  
 1. Items ruled out on plan & profile not included in this contract.  
 2. See cross section details sheet 7.



| SYMBOL | DESCRIPTIONS | DATE | APPROVAL |
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AS-BUILT

ALBUQUERQUE METROPOLITAN  
 ARROYO FLOOD CONTROL AUTHORITY  
 ALBUQUERQUE NEW MEXICO

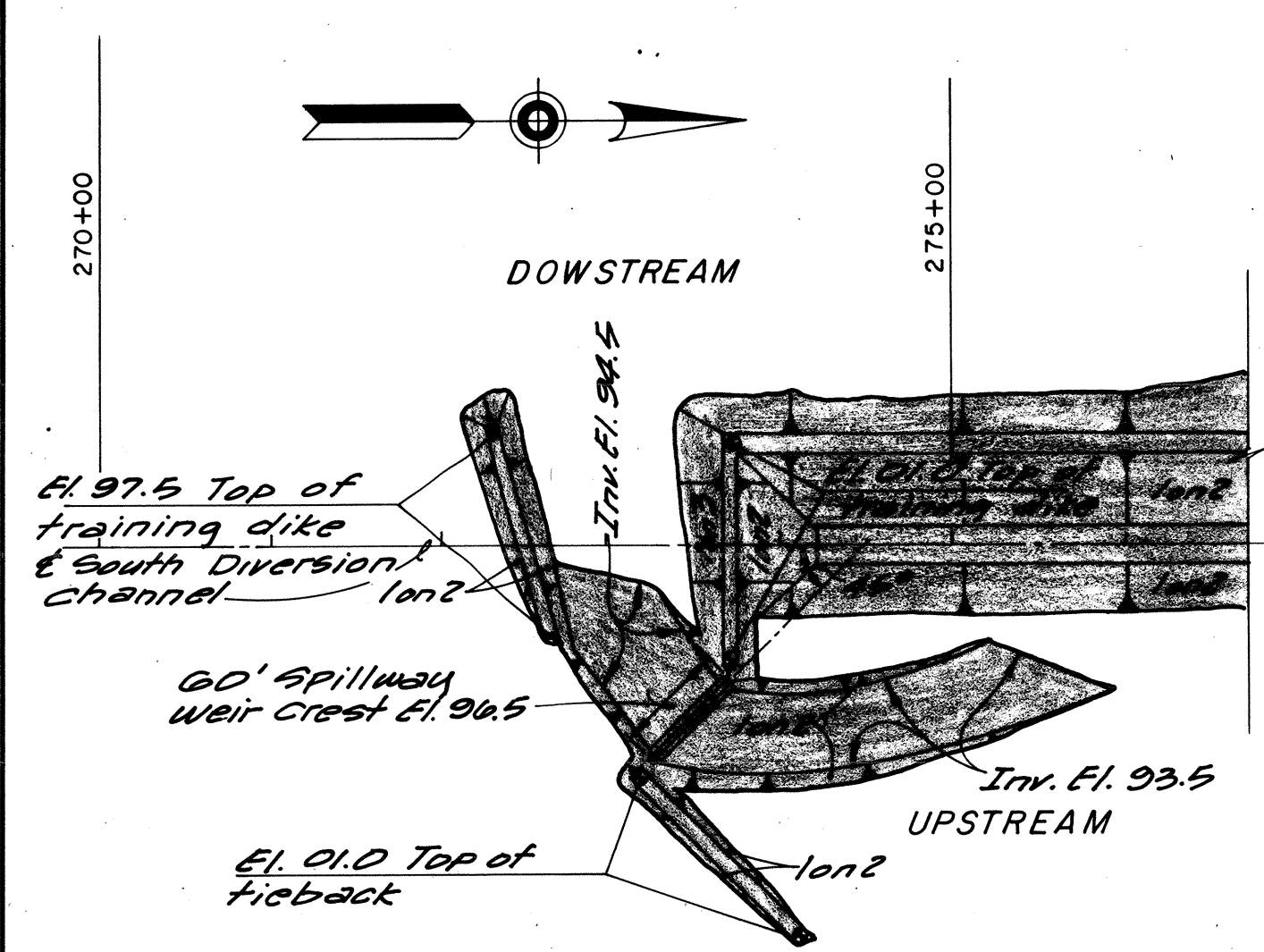
**EMERGENCY FLOOD PROTECTION WORKS**  
 SOUTH DIVERSION CHANNEL  
 PLAN & PROFILE  
 STA. 358+00 TO STA. 396+71.13

WILLIAM MATOTAN & ASSOCIATES - ENGINEERS  
 ALBUQUERQUE, NEW MEXICO

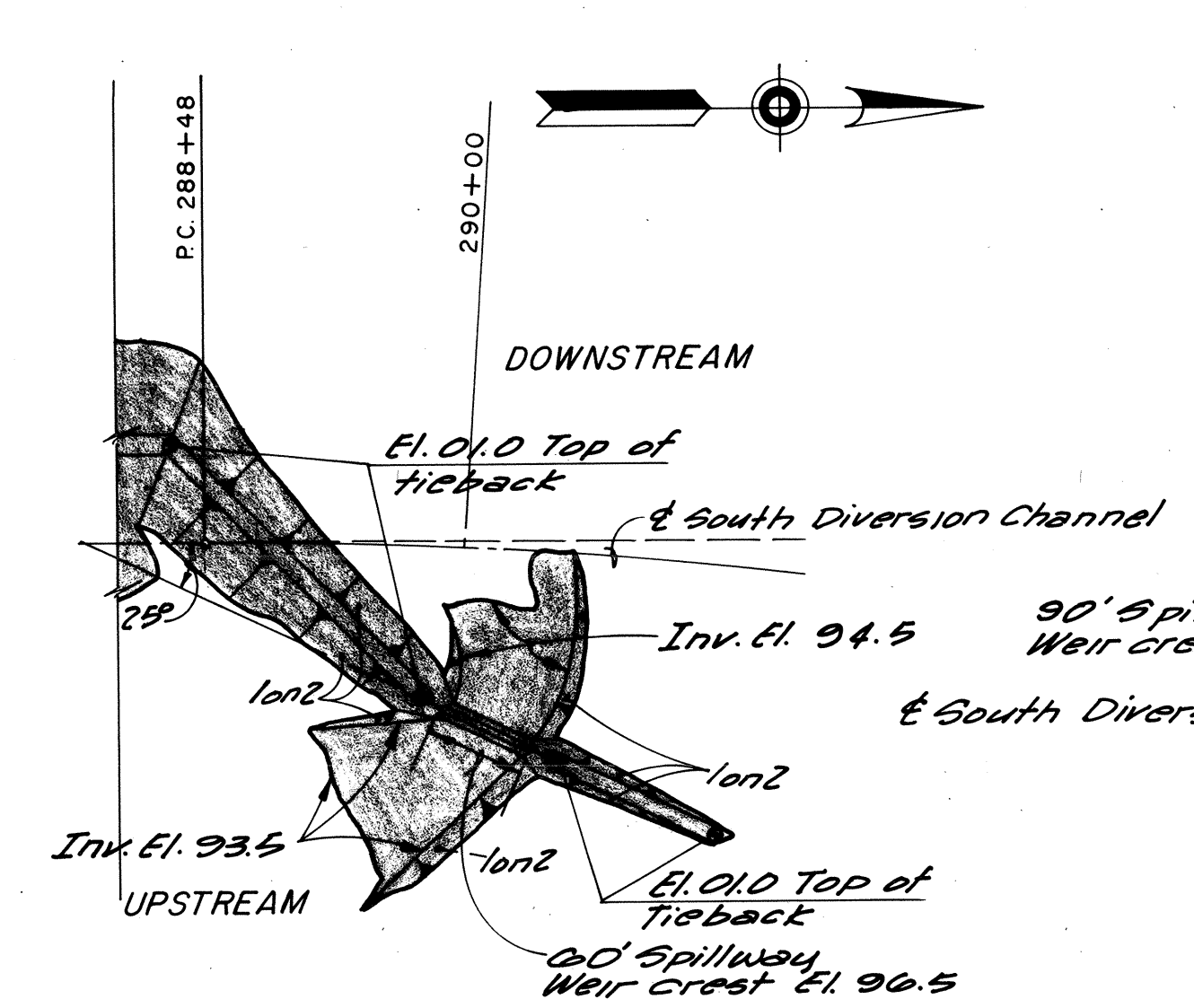
SCALE: AS SHOWN  
 DRAWN: M.L.  
 CHECKED: J.T.M.  
 DATE: MARCH, 1970

SHEET 6 OF 7

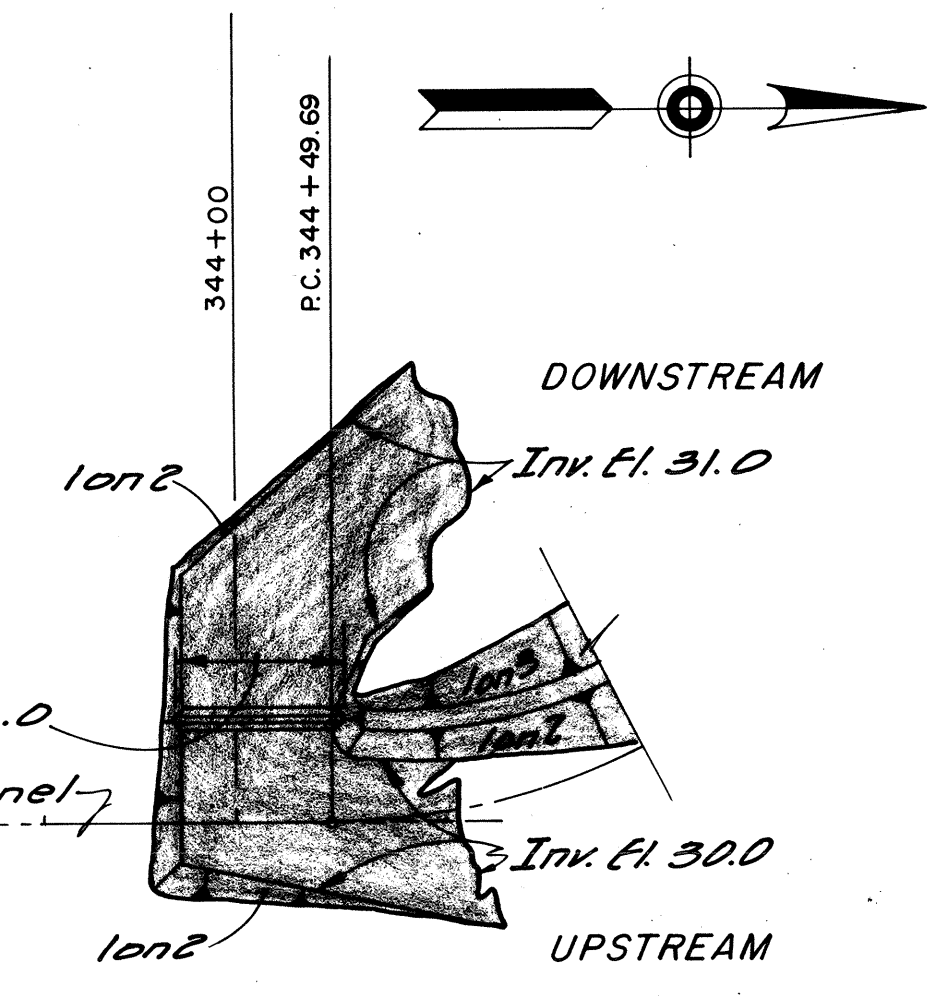




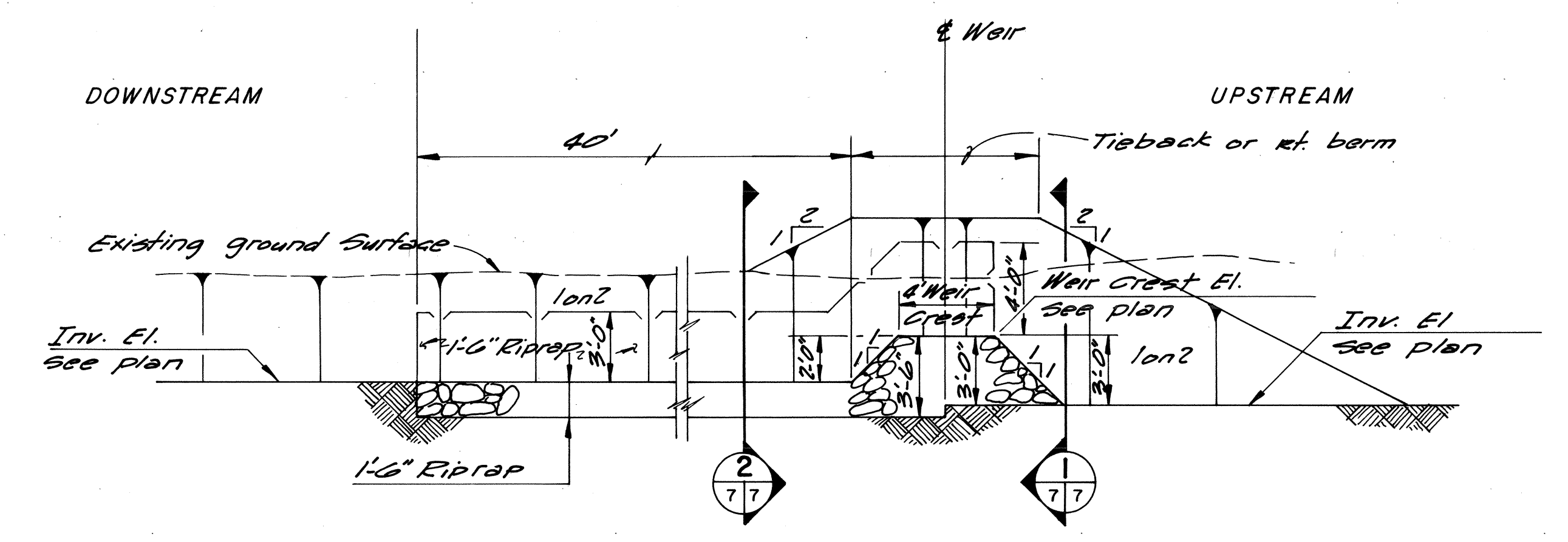
PLAN  
SPILLWAY-STA. 273+00  
SCALE: 1" = 100'



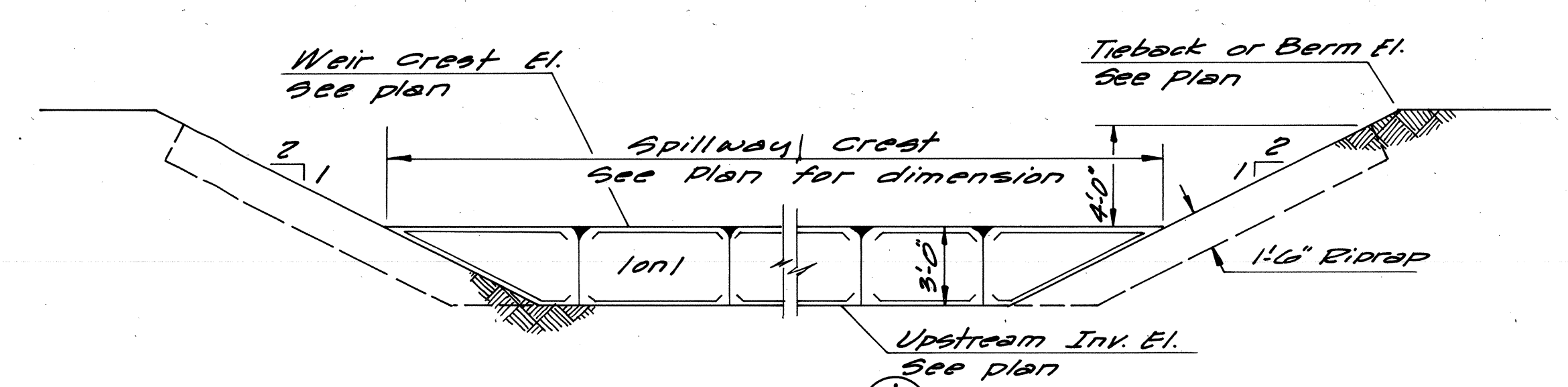
PLAN  
SPILLWAY-STA. 290+00  
SCALE: 1" = 100'



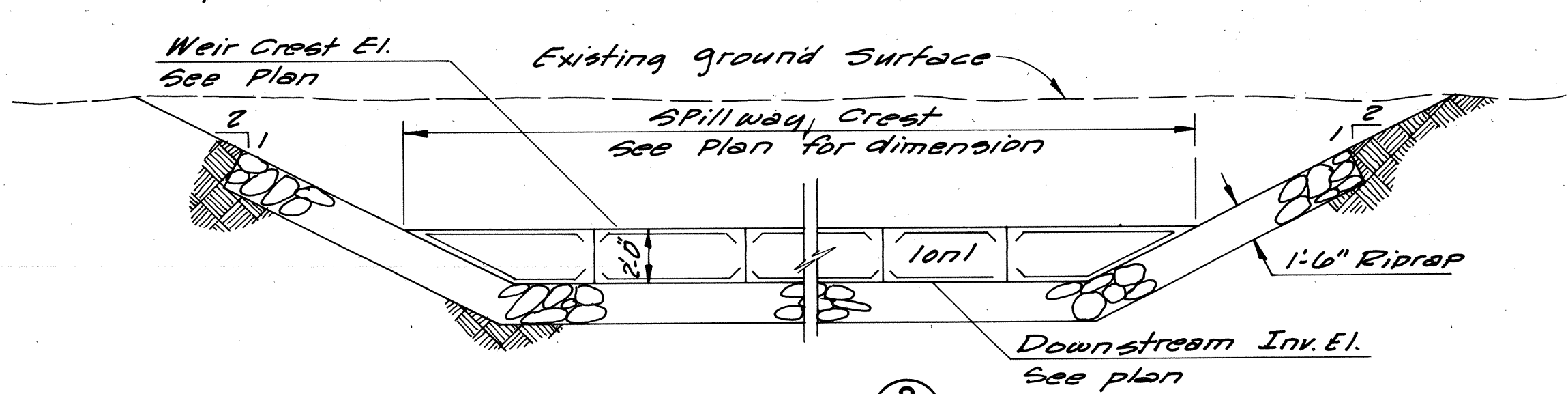
PLAN  
SPILLWAY-STA. 344+00  
SCALE: 1" = 100'



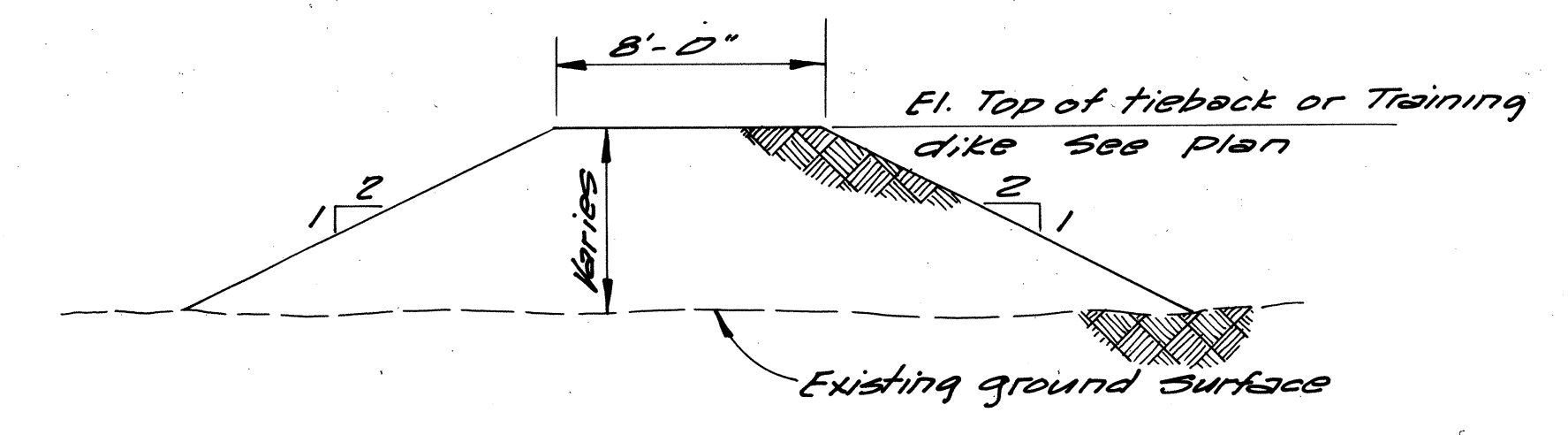
TYPICAL LONGITUDINAL SPILLWAY SECTION  
SCALE: 1" = 5'



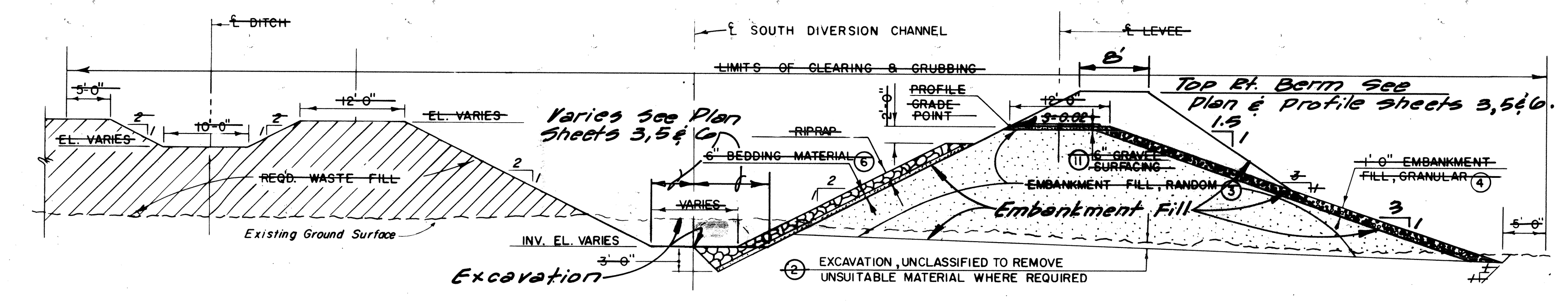
SECTION 1  
SCALE: 1" = 5'



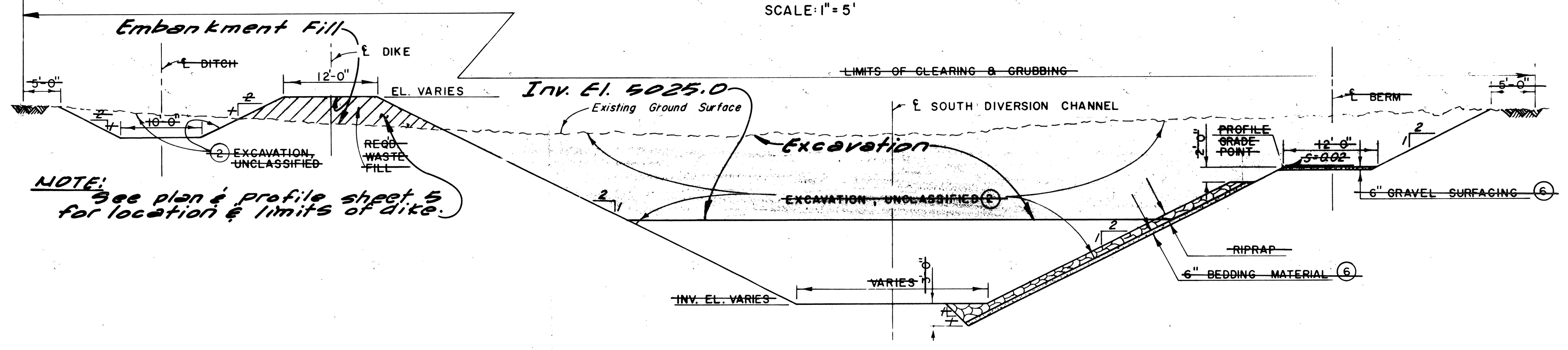
SECTION 2  
SCALE: 1" = 5'



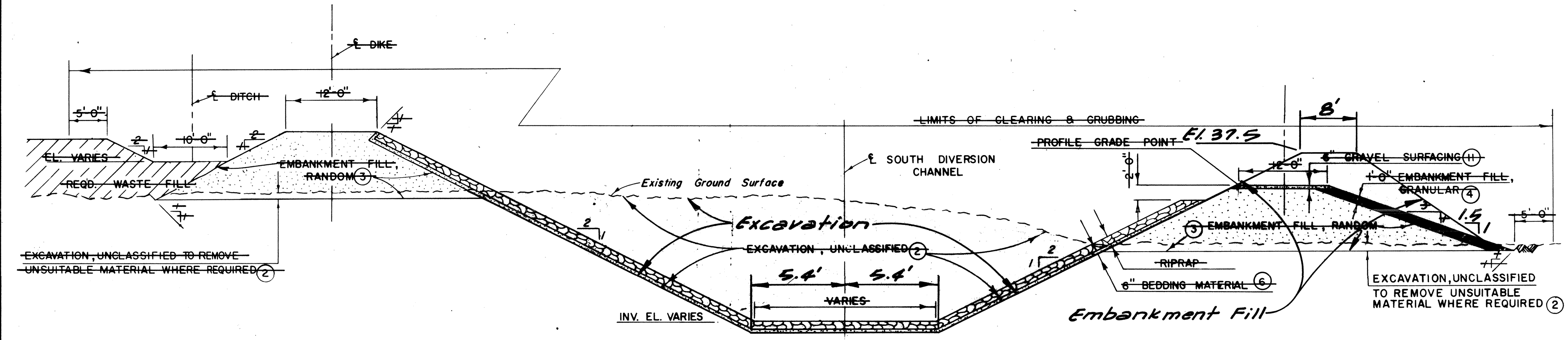
TYPICAL SECTION  
TRAINING DIKE OR TIEBACK  
SCALE: 1" = 5'



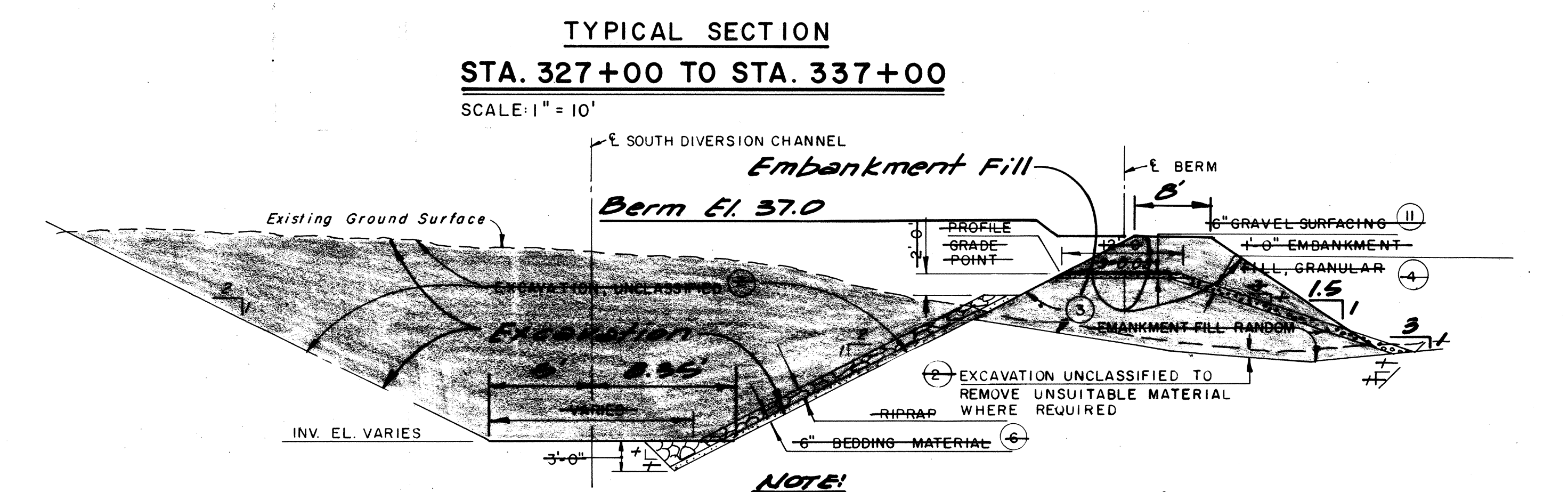
TYPICAL SECTION  
STA. 274+20 TO STA. 288+00  
STA. 349+00 TO STA. 371+00  
SCALE: 1" = 10'



TYPICAL SECTION  
STA. 327+00 TO STA. 337+00  
SCALE: 1" = 10'



TYPICAL SECTION  
STA. 346+50 TO STA. 349+00  
SCALE: 1" = 10'



TYPICAL SECTION  
STA. 373+50 TO STA. 395+20  
SCALE: 1" = 10'  
\* Except as noted

- NOTES:
- Items ruled out on this sheet are not included in this contract.
  - See sheet 6 for typical section for drain pipe installation.

|                                                                                      |                                |                       |
|--------------------------------------------------------------------------------------|--------------------------------|-----------------------|
| ALBUQUERQUE METROPOLITAN<br>ARROYO FLOOD CONTROL AUTHORITY<br>ALBUQUERQUE NEW MEXICO |                                | SHEET<br>7<br>OF<br>7 |
| EMERGENCY FLOOD PROTECTION WORKS<br>SOUTH DIVERSION CHANNEL<br>SECTIONS & DETAILS    |                                |                       |
| WILLIAM MATOTAN & ASSOCIATES - ENGINEERS<br>ALBUQUERQUE, NEW MEXICO                  |                                |                       |
| SCALE: AS SHOWN                                                                      | DRAWN: R.L.<br>CHECKED: J.T.M. | DATE: MARCH, 1970     |