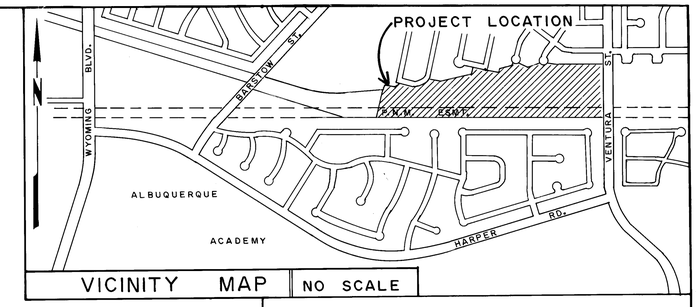
# NORTH PINO ARROYO CHANNEL

# AT

# HERITAGE HILLS PARK




VICINITY MAP | NO SCALE

## GENERAL NOTES

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS PUBLIC WORKS CONSTRUCTION 1985.
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCES.

## DRAWING INDEX


| TITLE | SHEET NO. |
|---|---|
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| SITE PLAN | 3(W)–4(E) |
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| CHANNEL PLAN & PROFILE STA. 13+20 TO STA. 18+20 | 6 |
| CHANNEL PLAN & PROFILE STA. 18+20 TO STA. 23+00 | 7 |
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Ernidio V. Diaz
5/15/86

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 4-17-87

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 0 7 9 0 1 8 7

| REV. | SHEETS | CITY ENGR. | DATE | | DATE | | DATE |
|---|---|---|---|---|---|---|---|

APPROVAL OF REVISIONS

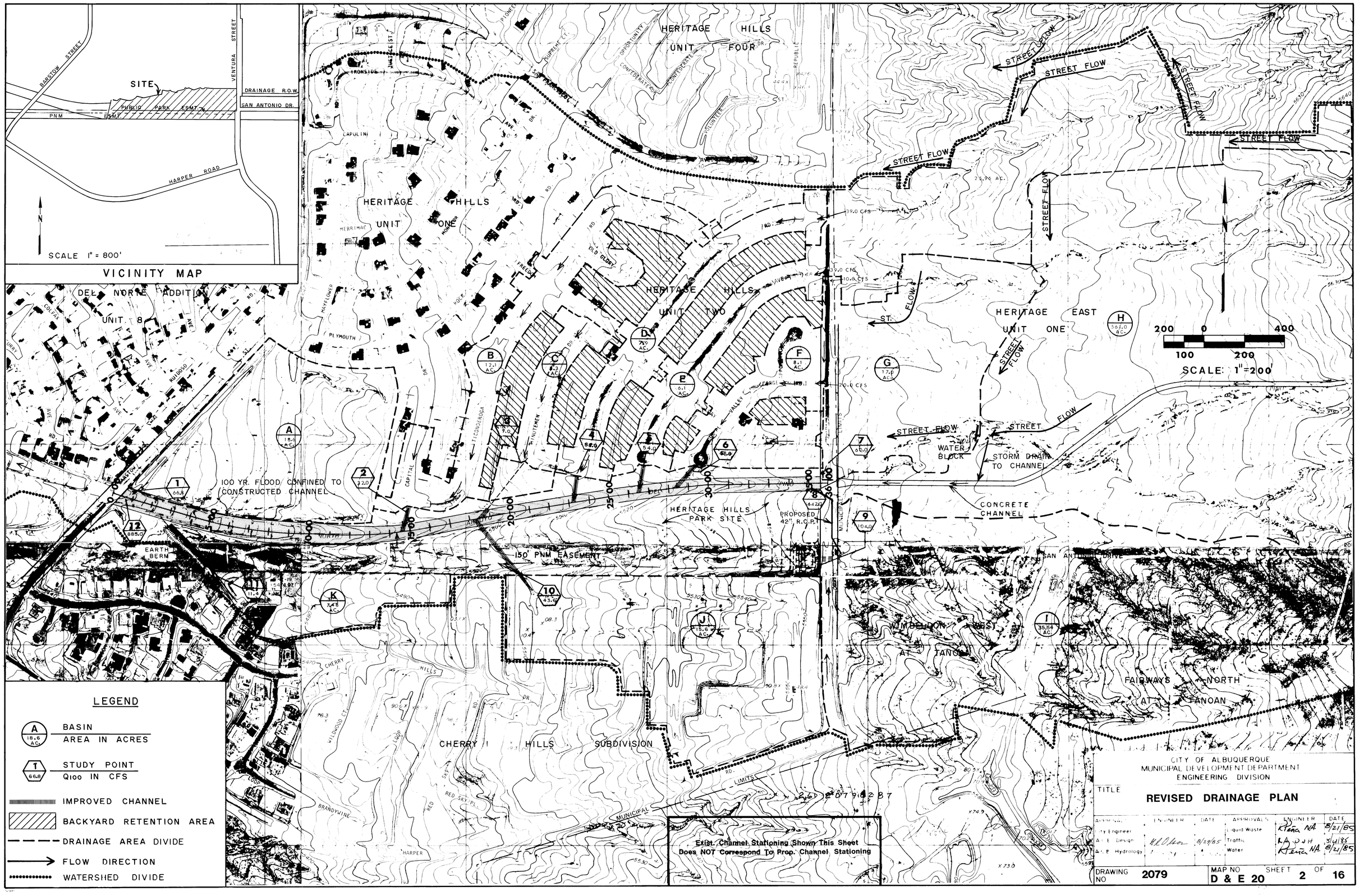
ERNIDIO DIAZ NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

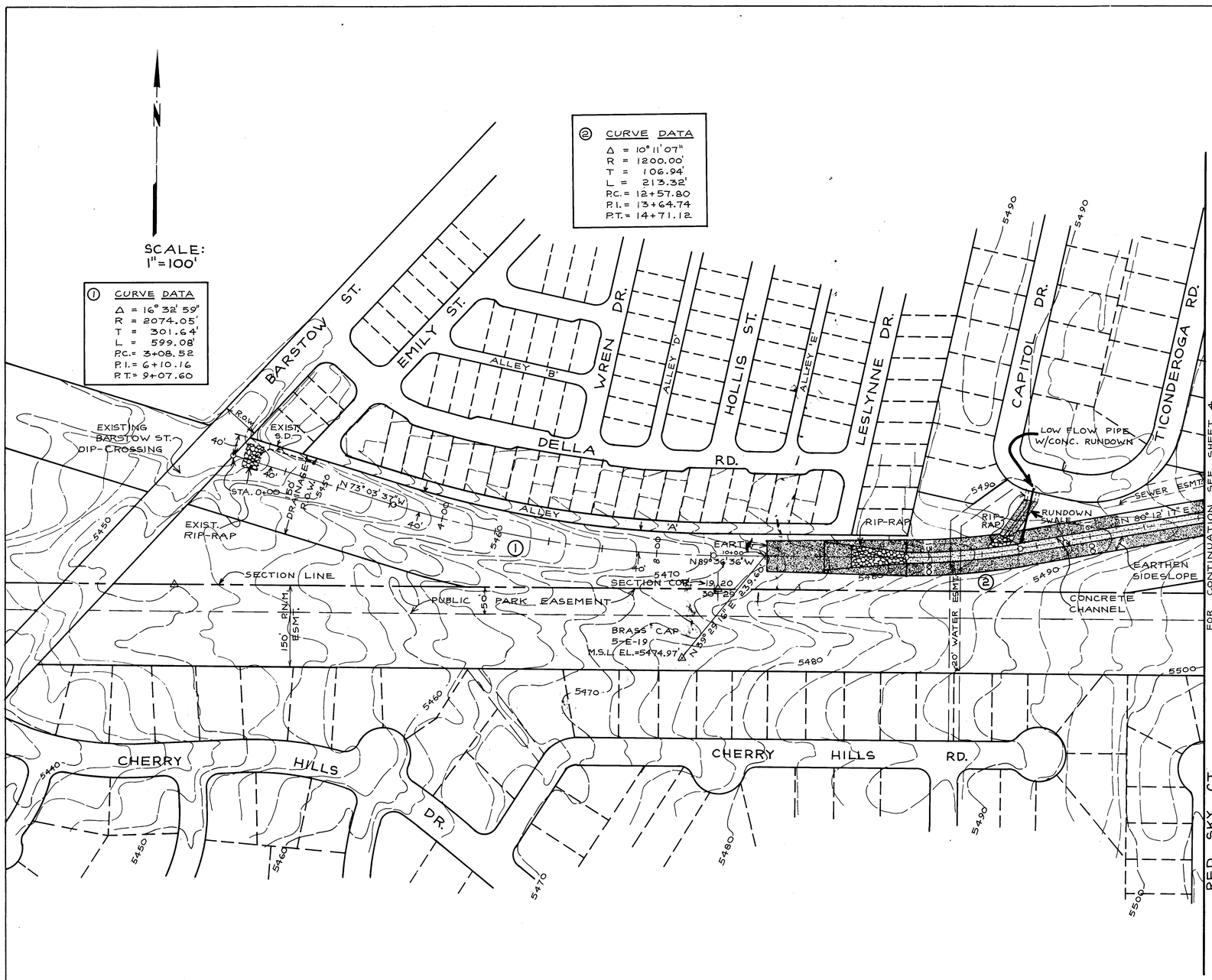
PREPARED BY:
**RESOURCE TECHNOLOGY INCORPORATED**

PROJECT NO. 2079

APPROVED FOR CONSTRUCTION
C.A. Shepard
5/20/86 C.E.

SHEET 1 OF 16


VICINITY MAP
SITE
BARSTOW STREET
VENTURA STREET
DRAINAGE R.O.W.
SAN ANTONIO DR.
PUBLIC PARK ESMT.
PNM ESMT.
HARPER ROAD
SCALE 1" = 800'
HERITAGE HILLS UNIT FOUR
HERITAGE HILLS UNIT ONE
HERITAGE HILLS UNIT TWO
HERITAGE EAST UNIT ONE
DEL NORTE ADDITION UNIT 8
STREET FLOW
100 YR. FLOOD CONFINED TO CONSTRUCTED CHANNEL
HERITAGE HILLS PARK SITE
PROPOSED 42" R.C.P.
150' PNM EASEMENT
EARTH BERM
WATER BLOCK
STORM DRAIN TO CHANNEL
CONCRETE CHANNEL
SCALE: 1"=200
CHERRY HILLS SUBDIVISION
WIMBELDON WEST AT TANOAN
FAIRWAYS NORTH AT TANOAN
Exist. Channel Stationing Shown This Sheet Does NOT Correspond To Prop. Channel Stationing
LEGEND
BASIN
AREA IN ACRES
STUDY POINT
Q100 IN CFS
IMPROVED CHANNEL
BACKYARD RETENTION AREA
DRAINAGE AREA DIVIDE
FLOW DIRECTION
WATERSHED DIVIDE
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION
TITLE
REVISED DRAINAGE PLAN
DRAWING NO 2079
MAP NO D & E 20
SHEET 2 OF 16




## LEGEND

- EARTHEN CONSTRUCTION
- CONCRETE CHANNEL
- RIP-RAP
- NEW STORM DRAIN PIPE
- EXISTING CONTOUR
- △ BENCH MARK

## AS BUILT INFORMATION

CONTRACTOR BENDER CONST.
WORK STAKED BY SURVEYING DATE
INSPECTOR'S ACCEPTANCE BY J.C. DATE
FIELD VERIFICATION BY SURVEYING LYNN DATE
DRAWINGS CORRECTED BY R.T.I. DATE 7/86
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

## BENCH MARKS

A.C.S. MONUMENT 5-E19 EL. 5474.97 LOCATED APPROX. 1215' EAST OF ℄ OF BARSTOW ST. NE AND APPROX. 22' NORTH OF "CHERRY HILLS WEST" NORTH PROPERTY LINE.

A.C.S. MONUMENT 3-D20 EL. 5544.94 LOCATED 139.49' WEST OF ℄ OF VENTURA ST. NE AND APPROX. 158' NORTH OF "CHERRY HILLS EAST" NORTH PROPERTY LINE.

## SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

DESIGNED BY C.C.M. & S.L. DATE JUNE '85
DRAWN BY C.C.M. DATE JUNE '85
CHECKED BY E.D. DATE JUNE '85

5/15/86

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 0 7 9 0 3 8 7

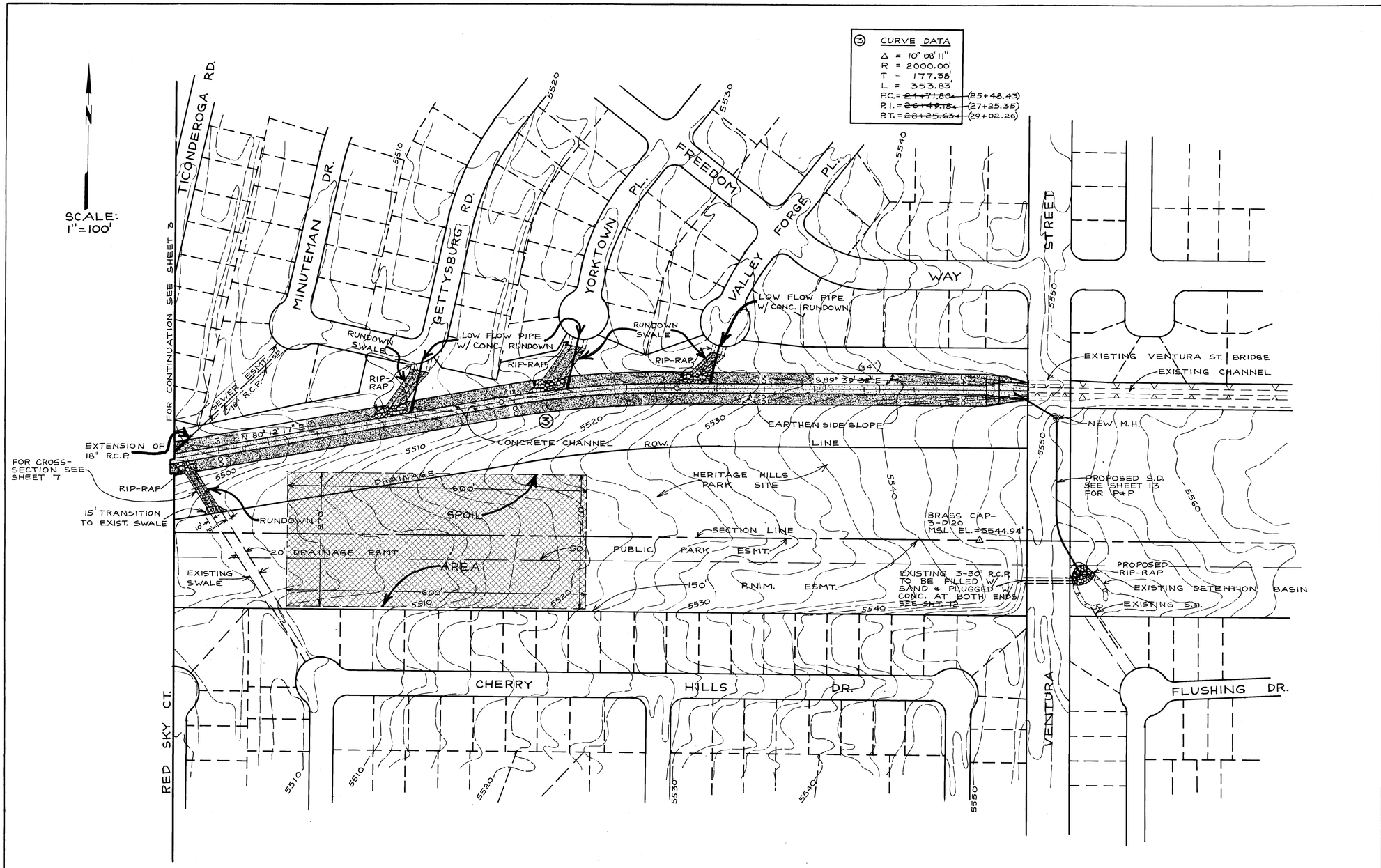
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:

# SITE PLAN (WEST)

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/21/85 | Liquid Waste | NA. | 8/21/85 |
| A.C.E. - Design | | 8/21/85 | Traffic | NA D.W.H. | 8/21/85 |
| ~~A.C.E.~~ - Hydrology | | 8/21/85 | Water | NA. | 8/21/85 |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2079 | D & E 20 | 3 | 16 |




## LEGEND

- EARTHEN CONSTRUCTION
- CONCRETE CHANNEL
- RIP-RAP
- NEW STORM DRAIN PIPE
- EXISTING CONTOUR
- △ BENCH MARK

## AS BUILT INFORMATION

CONTRACTOR BENDER CONST.
WORK STAKED BY LYNN SURVEYING DATE
INSPECTOR'S ACCEPTANCE BY J.C. DATE
FIELD VERIFICATION BY LYNN SURVEYING DATE
DRAWINGS CORRECTED BY R.T.I. DATE 7/86

MICRO-FILM INFORMATION
RECORDED BY DATE
NO

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FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

## REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

DESIGN

DESIGNED BY C.C.M. & S.L. DATE JUNE '85
DRAWN BY C.C.M. DATE JUNE '85
CHECKED BY E.D. DATE JUNE '85

Elizabeth V. Dy 5/15/86

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 0 7 9 0 4 8 7

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:

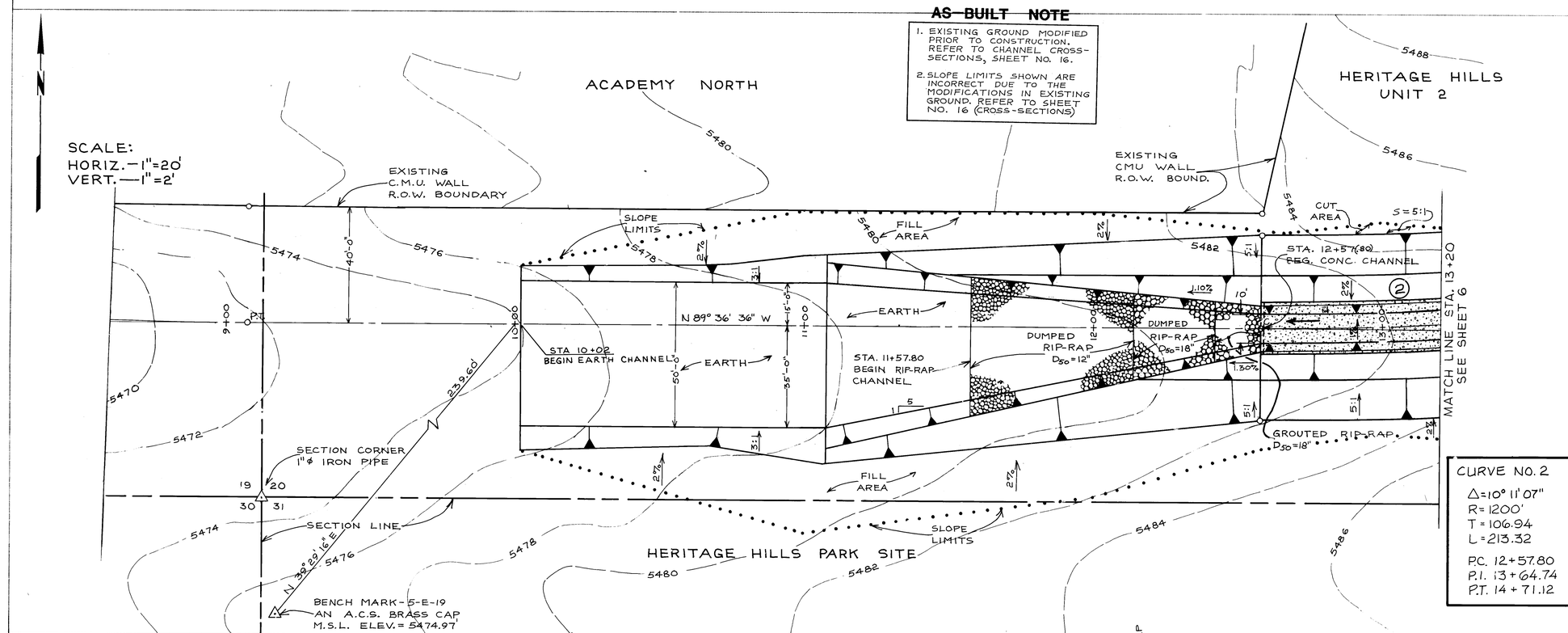
# SITE PLAN (EAST)

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | C.C.M. | 8/21/85 | Liquid Waste | N.A. | 8/21/85 |
| A.C.E.-Design | A.K. Oka | 8/21/85 | Traffic | D.A.D.W.H. | 8/21/85 |
| ~~A.C.E.~~-Hydrology | Don Hogan | 8/21/85 | Water | N.A. | 8/21/85 |

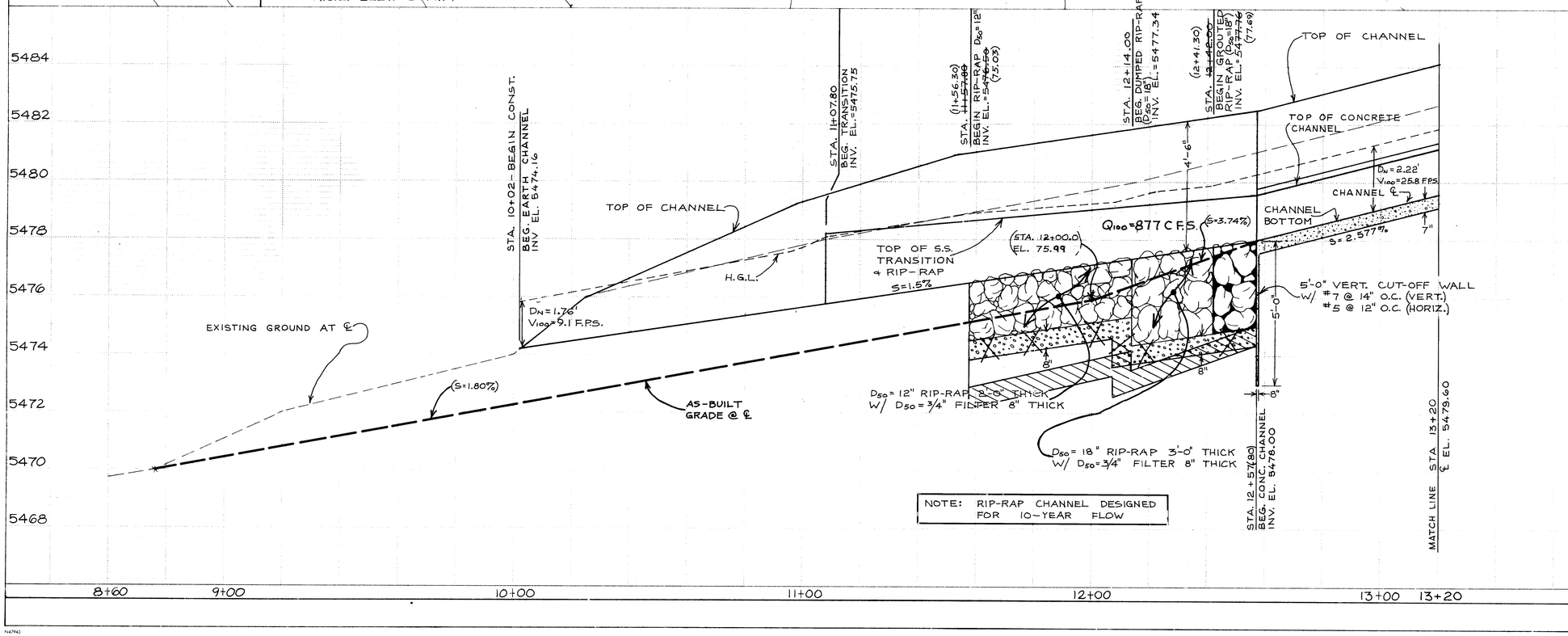
| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2079 | D & E 20 | 4 | 16 |

## AS-BUILT NOTE

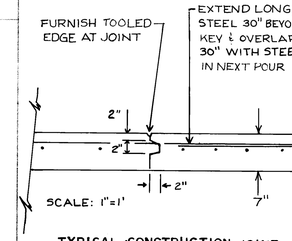
1. EXISTING GROUND MODIFIED PRIOR TO CONSTRUCTION. REFER TO CHANNEL CROSS-SECTIONS, SHEET NO. 16.
2. SLOPE LIMITS SHOWN ARE INCORRECT DUE TO THE MODIFICATIONS IN EXISTING GROUND. REFER TO SHEET NO. 16 (CROSS-SECTIONS)




CURVE NO. 2
Δ=10° 11' 07"
R=1200'
T=106.94
L=213.32
P.C. 12+57.80
P.I. 13+64.74
P.T. 14+71.12




NOTE: RIP-RAP CHANNEL DESIGNED FOR 10-YEAR FLOW




TYPICAL CONSTRUCTION JOINT

### LEGEND

- CONCRETE CHANNEL
- RIP-RAP
- SLOPE LIMITS
- NEW SIDE SLOPE
- EXISTING SIDE SLOPE
- FLOW DIRECTION
- CATCH BASIN
- EXISTING CONTOUR
- PROPERTY LINE
- EASEMENT
- EXISTING UTILITY LINE
- PIPE SLEEVE

THE LIMIT OF CONSTRUCTION SHOWN ON THE PLANS IS AN APPROXIMATION TO SHOW AREAS OF ANTICIPATED PAVEMENT, CURB AND GUTTER AND/OR OTHER SURFACE REMOVAL. THE CONTRACTOR SHALL ENDEAVOR TO MINIMIZE THE ACTUAL CONSTRUCTION LIMITS BUT IN NO CASE SHALL SUCH LIMITS OF WORK RESTRICT THE CONTRACTORS WORK WHERE SAFETY WOULD BE IMPAIRED. THE CONTRACTOR IS REFERRED TO THE SPECIFICATIONS AS SUPPLEMENTED, ESPECIALLY SECTION 6 OF THE GENERAL CONDITIONS.

ALL DISTURBED CONSTRUCTION AREAS MUST BE RESEEDED AS PER SUP. TECH. SPEC., 915

5/11/86

2 6 2 0 7 9 0 5 8 7

AS BUILT INFORMATION
BENDER CONST.
LYNN SURVEYING
J.C.
LYNN
7/86
MICRO-FILM INFORMATION

BENCH MARKS
A.C.S. MONUMENT 5-E19 EL. 5474.97 LOCATED APPROX. 1215' EAST OF ℄ OF BARSTOW ST. NE AND APPROX. 22' NORTH OF 'CHERRY HILLS WEST" NORTH PROPERTY LINE.
A.C.S. MONUMENT 3-D20 EL. 5544.94 LOCATED 139.49' WEST OF ℄ OF VENTURA ST. NE AND APPROX. 158' NORTH OF 'CHERRY HILLS EAST" NORTH PROPERTY LINE.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |
| | | DESIGN | |

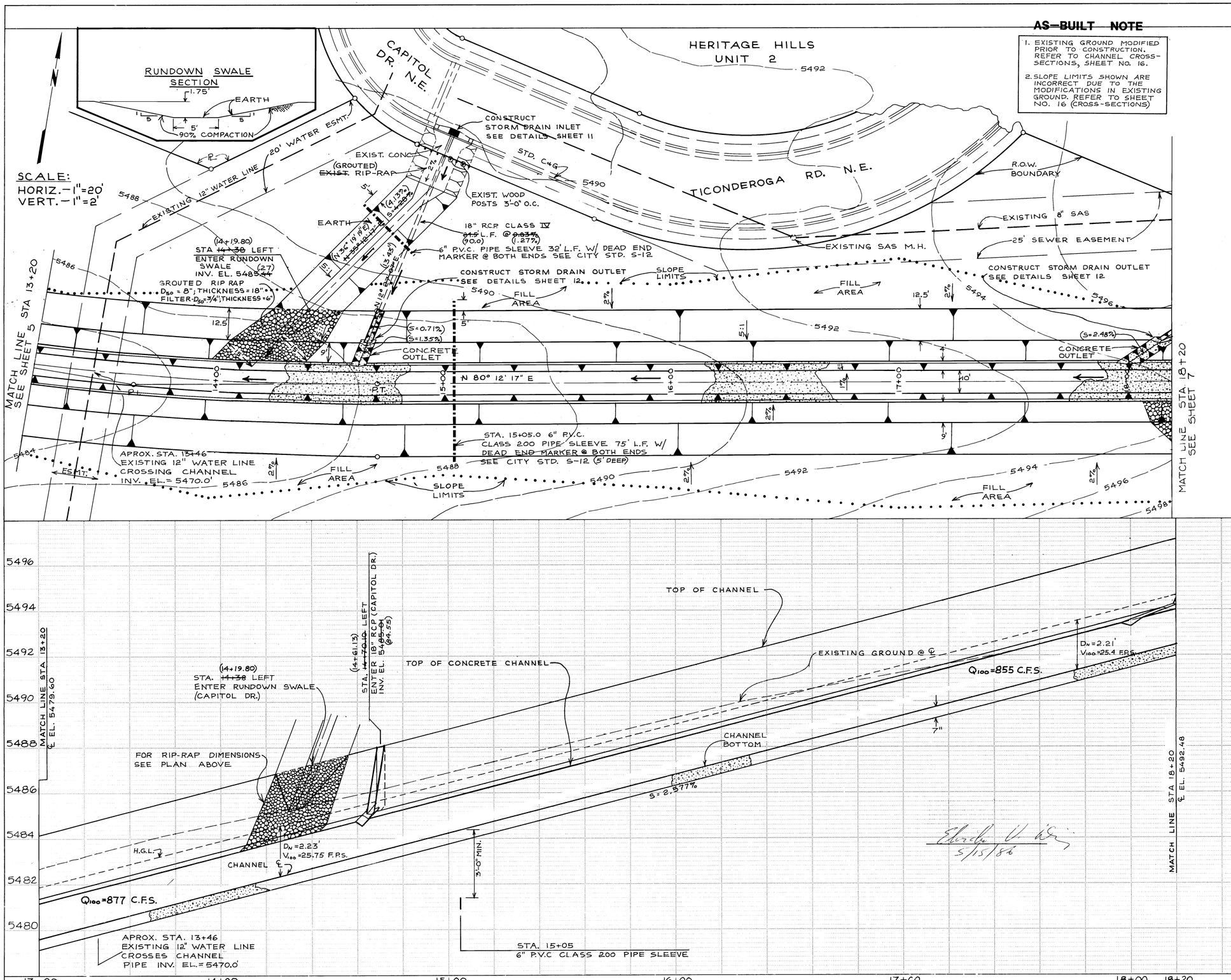
DESIGNED BY S.L. DATE JUNE '85
DRAWN BY C.C.M. + S.D. DATE JUNE '85
CHECKED BY E.D. DATE JUNE '85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **CHANNEL PLAN AND PROFILE STA. 10+02 TO STA. 13+20**

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/21/85 | Liquid Waste | N.A. | 8/21/85 |
| A.C.E.-Design | | 8/21/85 | Traffic | N.A. | 8/21/85 |
| ~~A.C.E.~~-Hydrology | | 8/21/85 | Water | N.A. | 8/21/85 |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2079 | D & E 20 | 5 | 16 |




## AS-BUILT NOTE

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2. SLOPE LIMITS SHOWN ARE INCORRECT DUE TO THE MODIFICATIONS IN EXISTING GROUND. REFER TO SHEET NO. 16 (CROSS-SECTIONS)

## LEGEND

- CONCRETE CHANNEL
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- EXISTING SIDE SLOPE
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5/5/86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **CHANNEL PLAN AND PROFILE STA. 13+20 TO STA. 18+20**

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/21/85 | Liquid Waste | N.A. | 8/21/85 |
| A.C.E.-Design | | 8/21/85 | Traffic | N.A. | 8/21/85 |
| ~~A.C.E.~~-Hydrology | | 8/21/85 | Water | N.A. | 8/21/85 |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2079 | D & E 20 | 6 | 16 |

AS BUILT INFORMATION

CONTRACTOR BENDER CONST.
WORK STAKED BY LYNN SURVEYING DATE
SURVEY CHECKED BY J.C. DATE
ACCEPTANCE BY
FIELD VERIFICATION BY LYNN SURVEYING DATE
DRAWINGS CORRECTED BY R.T.I. DATE 7/86
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.
AND APPROX. 158' NORTH OF 'CHERRY HILLS
EAST" NORTH PROPERTY LINE.

BENCH MARKS

A.C.S. MONUMENT 5-E19 EL. 5474.97 LOCATED
APPROX. 1215' EAST OF ℄ OF BARSTOW ST. NE
AND APPROX. 22' NORTH OF 'CHERRY HILLS
WEST" NORTH PROPERTY LINE.
A.C.S. MONUMENT 3-D20 EL. 5544.94 LOCATED
139.49' WEST OF ℄ OF VENTURA ST. NE
AND APPROX. 158' NORTH OF 'CHERRY HILLS
EAST" NORTH PROPERTY LINE.

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|

ENGINEER'S SEAL

REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|

DESIGN

DESIGNED BY S.L. DATE JUNE 1985
DRAWN BY C.C.M. & S.D. DATE JUNE 1985
CHECKED BY E.D. DATE JUNE 1985

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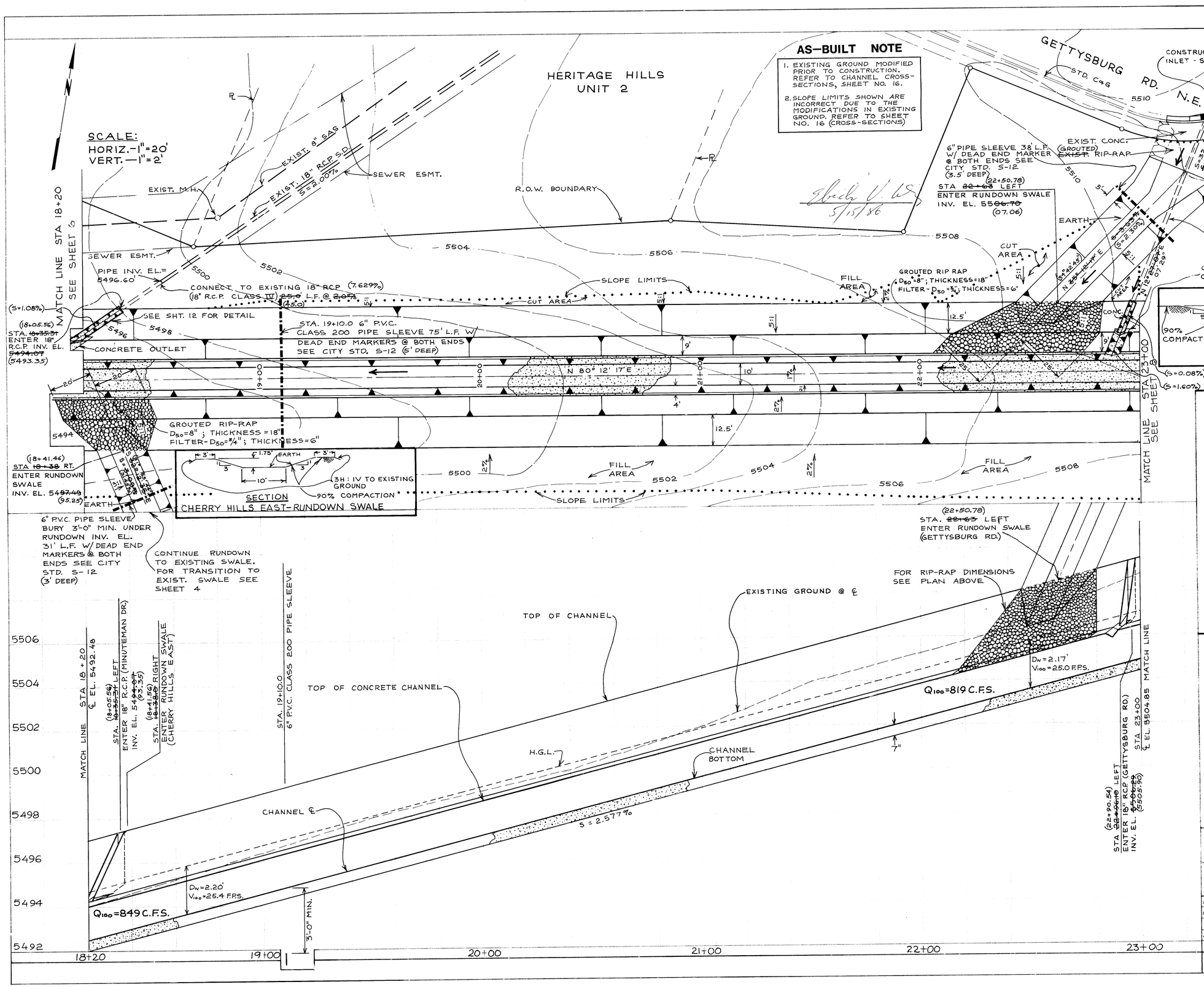


## AS-BUILT NOTE

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5/15/86

## LEGEND

- CONCRETE CHANNEL
- RIP-RAP
- SLOPE LIMITS
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26 20790787

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE **CHANNEL PLAN AND PROFILE STA. 18+20 TO STA. 23+00**

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | | Liquid Waste | NA | 8/21/85 |
| A.C.E. - Design | | 8/21/85 | Traffic | NA | 8/21/85 |
| ~~A.C.E. - Hydrology~~ | | 8/21/85 | Water | NA | 8/21/85 |

DRAWING NO. 2079 | MAP NO. D & E 20 | SHEET 7 OF 16

AS BUILT INFORMATION
BENDER CONST.
LYNN SURVEYING
J.C. LYNN
R.T.E.
DATE 7/86
MICROFILM INFORMATION

BENCH MARKS
A.C.S. MONUMENT 5-E19 EL. 5474.97 LOCATED APPROX. 1215' EAST OF ℄ OF BARSTOW ST. NE AND APPROX. 22' NORTH OF "CHERRY HILLS WEST" NORTH PROPERTY LINE.
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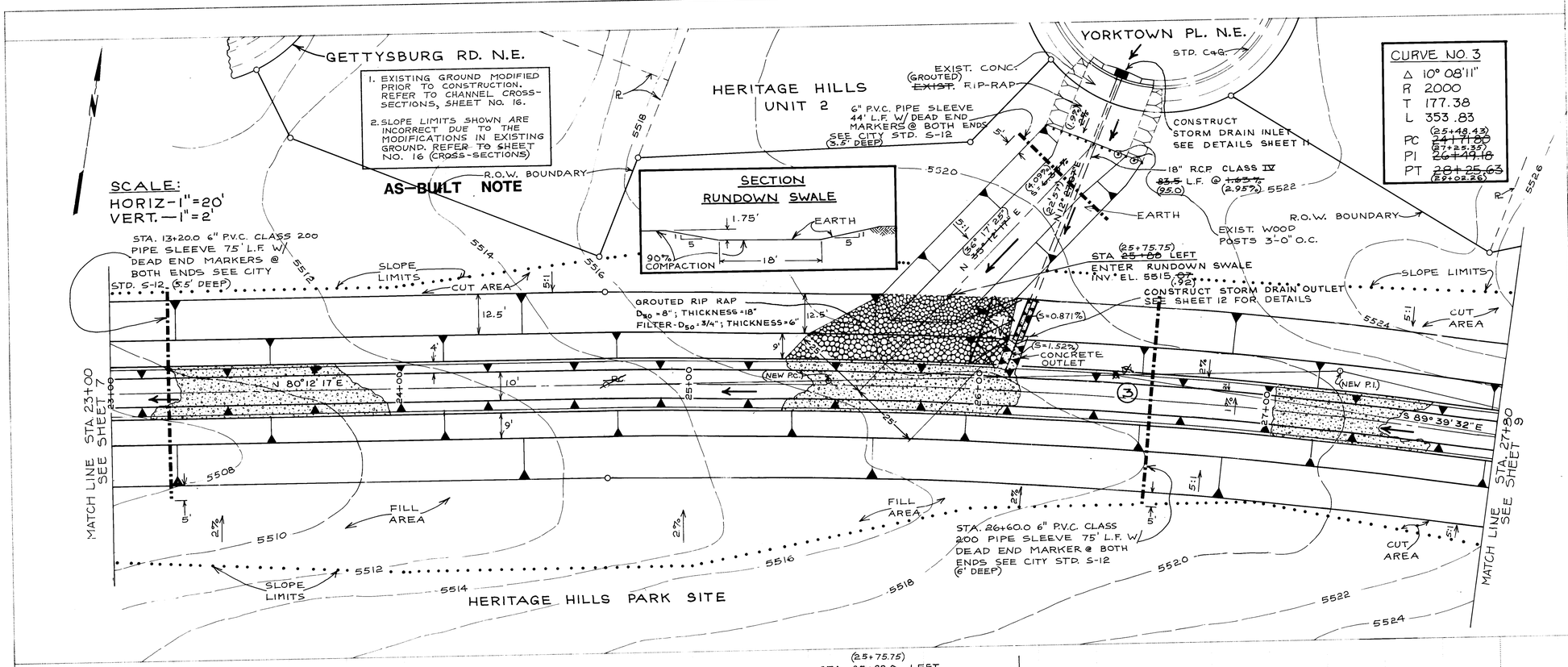
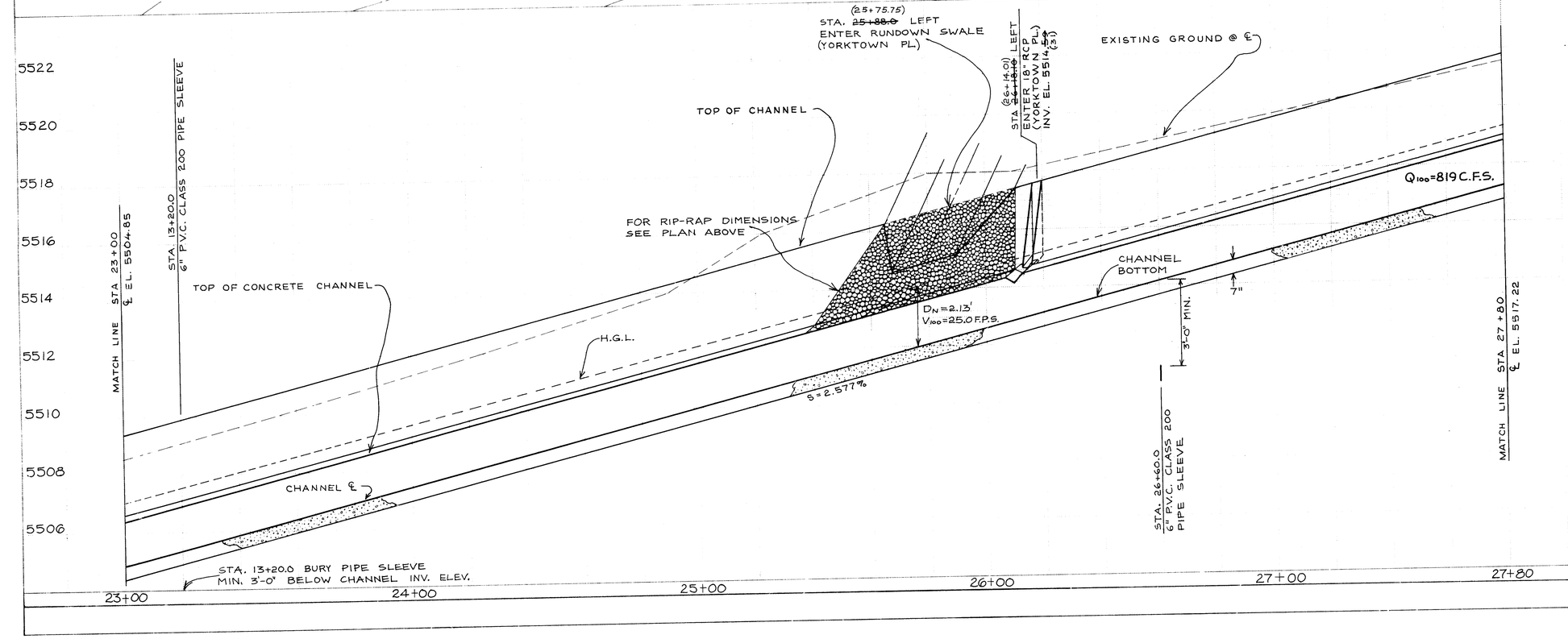
SURVEY INFORMATION
FIELD NOTES
NO | BY | DATE

ENGINEER'S SEAL

REVISIONS
NO | DATE | REMARKS | BY
DESIGN
DESIGNED BY S.L. DATE JUNE '85
CHECKED BY C.C.M. & S.D. DATE JUNE '85
CHECKED BY E.D. DATE JUNE '85




## LEGEND

- CONCRETE CHANNEL
- RIP-RAP
- SLOPE LIMITS
- NEW SIDE SLOPE
- EXISTING SIDE SLOPE
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AS BUILT INFORMATION
BENDER CONST. DATE
LYNN SURVEYING J.C. DATE
LYNN SURVEYING DATE
DRAWN BY R.T.I. DATE 7/86
MICRO FILM INFORMATION DATE

BENCH MARKS
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SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

REVISIONS
NO. DATE REMARKS BY DATE
DESIGN
ENGINEER S.L. DATE JUNE '85
DRAWN C.C.M. + S.D. DATE JUNE '85
CHECKED E.D. DATE JUNE '85

5/15/86

26 2079 0 8 8 7

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

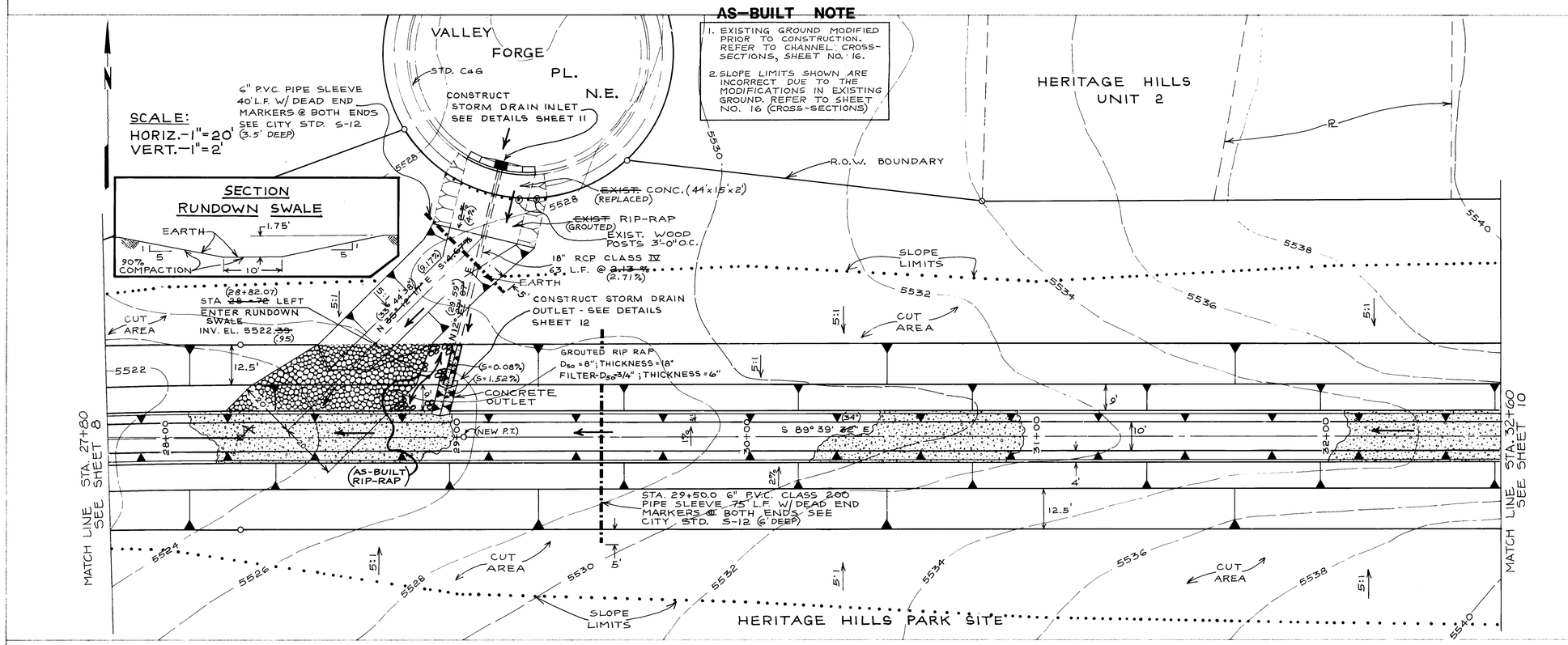
TITLE **CHANNEL PLAN AND PROFILE STA. 23+00 TO STA. 27+80**

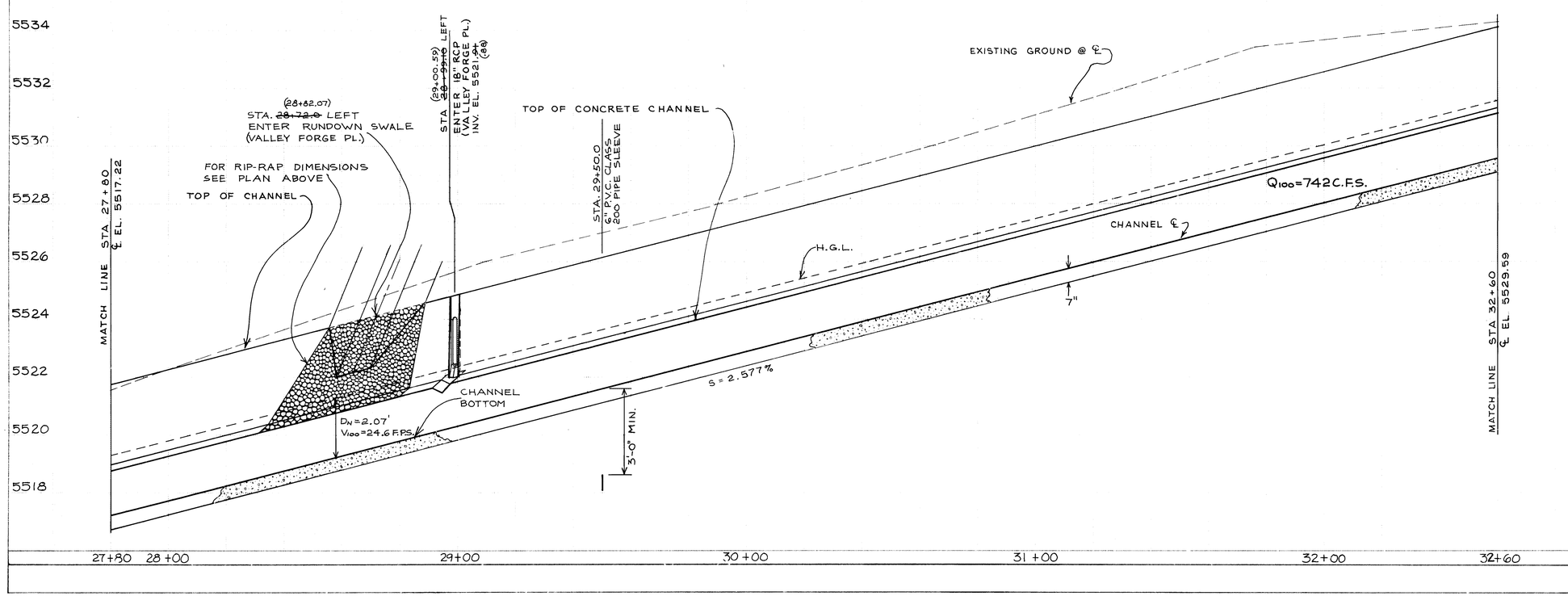
| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | | Liquid Waste | NA. | 8/21/85 |
| A.C.E. - Design | | 8/21/85 | Traffic | | 8/21/85 |
| A.C.E. - Hydrology | | 8/21/85 | Water | NA. | 8/21/85 |

DRAWING NO 2079 | MAP NO. D & E 20 | SHEET 8 OF 16

## AS-BUILT NOTE

1. EXISTING GROUND MODIFIED PRIOR TO CONSTRUCTION. REFER TO CHANNEL CROSS-SECTIONS, SHEET NO. 16.
2. SLOPE LIMITS SHOWN ARE INCORRECT DUE TO THE MODIFICATIONS IN EXISTING GROUND. REFER TO SHEET NO. 16 (CROSS-SECTIONS)




## LEGEND

- CONCRETE CHANNEL
- RIP-RAP
- SLOPE LIMITS
- NEW SIDE SLOPE
- EXISTING SIDE SLOPE
- FLOW DIRECTION
- CATCH BASIN
- EXISTING CONTOUR
- PROPERTY LINE
- EASEMENT
- EXISTING UTILITY LINE
- PIPE SLEEVE

THE LIMIT OF CONSTRUCTION SHOWN ON THE PLANS IS AN APPROXIMATION TO SHOW AREAS OF ANTICIPATED PAVEMENT, CURB AND GUTTER AND/OR OTHER SURFACE REMOVAL. THE CONTRACTOR SHALL ENDEAVOR TO MINIMIZE THE ACTUAL CONSTRUCTION LIMITS BUT IN NO CASE SHALL SUCH LIMITS OF WORK RESTRICT THE CONTRACTORS WORK WHERE SAFETY WOULD BE IMPAIRED. THE CONTRACTOR IS REFERRED TO THE SPECIFICATIONS AS SUPPLEMENTED, ESPECIALLY SECTION 6 OF THE GENERAL CONDITIONS.

ALL DISTURBED CONSTRUCTION AREAS MUST BE RESEEDED AS PER SUP. TECH. SPEC. 915

AS BUILT INFORMATION
BENDER CONST.
LAND SURVEYING
J.C.
LYNN
R.T.I.
MICRO FILM INFORMATION

BENCH MARKS
A.C.S. MONUMENT 5-E19 EL. 5474.97 LOCATED APPROX. 1215' EAST OF ℄ OF BARSTOW ST. NE AND APPROX. 22' NORTH OF "CHERRY HILLS WEST" NORTH PROPERTY LINE.
A.C.S. MONUMENT 3-D20 EL. 5544.94 LOCATED 139.49' WEST OF ℄ OF VENTURA ST. NE AND APPROX. 158' NORTH OF "CHERRY HILLS EAST" NORTH PROPERTY LINE.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

5/15/85

| NO. | REMARKS | BY | DATE |
|---|---|---|---|
| | REVISIONS | | |
| | DESIGN | | |

DESIGNED BY S.L. DATE JUNE '85
CHECKED BY C.C.M. & S.D. DATE JUNE '85
RELEASED BY E.D. DATE JUNE '85

26 2079098 7

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE **CHANNEL PLAN AND PROFILE STA. 27+80 TO STA. 32+60**

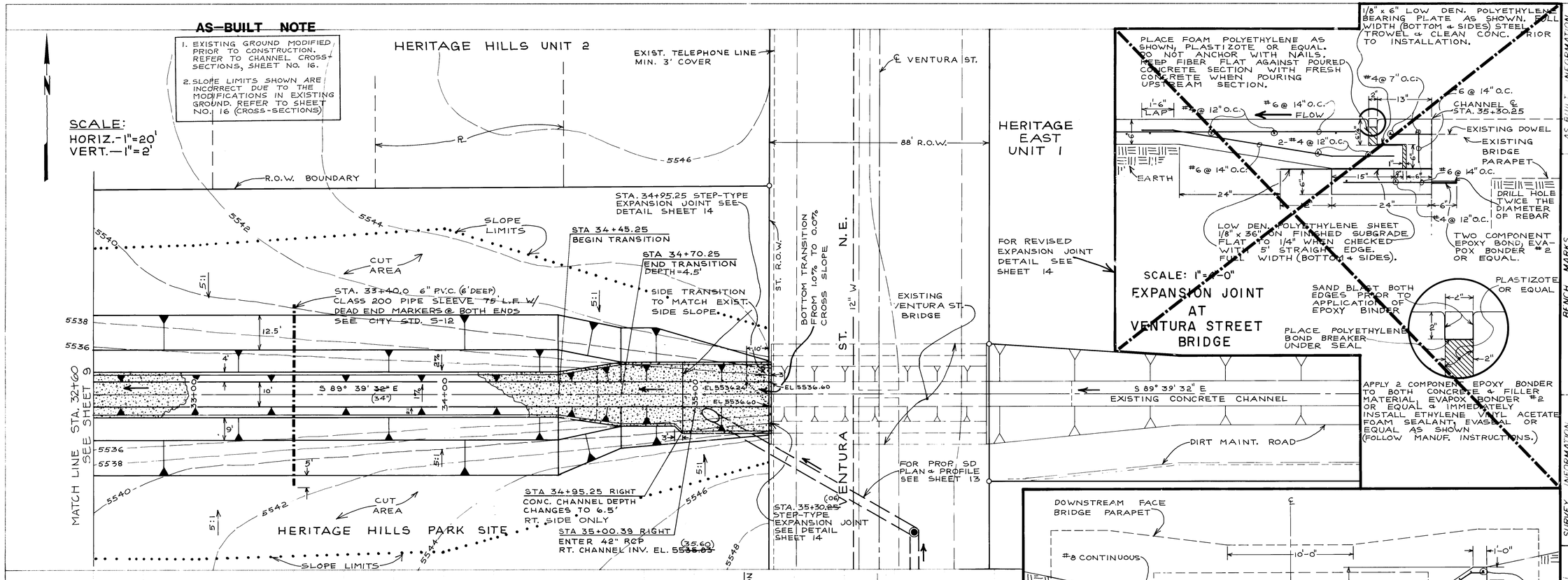
| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/21/85 | Liquid Waste | NA | 8/21/85 |
| A.C.E.-Design | | 8/21/85 | Traffic | NA | 8/21/85 |
| A.C.E.-Hydrology | | 8/21/85 | Water | NA | 8/21/85 |

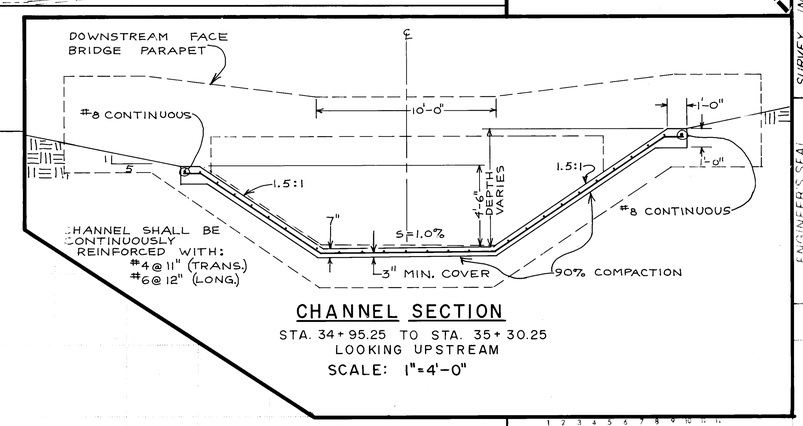
DRAWING NO. 2079 | MAP NO. D & E 20 | SHEET 9 OF 16

## AS-BUILT NOTE

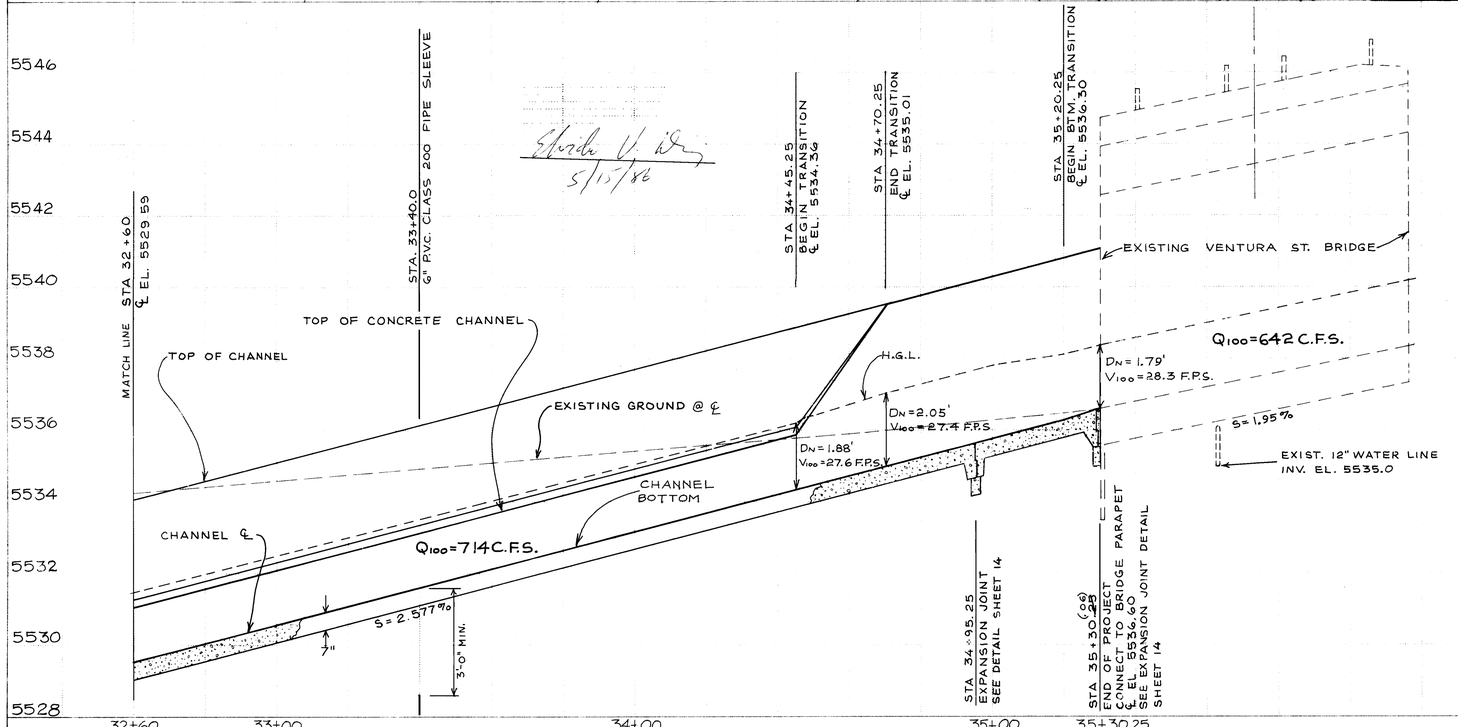
1. EXISTING GROUND MODIFIED PRIOR TO CONSTRUCTION. REFER TO CHANNEL CROSS-SECTIONS, SHEET NO. 16.
2. SLOPE LIMITS SHOWN ARE INCORRECT DUE TO THE MODIFICATIONS IN EXISTING GROUND. REFER TO SHEET NO. 16 (CROSS-SECTIONS)

SCALE:
HORIZ.-1"=20'
VERT.—1"=2'




CHANNEL SECTION
STA. 34+95.25 TO STA. 35+30.25
LOOKING UPSTREAM
SCALE: 1"=4'-0"




### LEGEND

- CONCRETE CHANNEL
- RIP-RAP
- SLOPE LIMITS
- NEW SIDE SLOPE
- EXISTING SIDE SLOPE
- FLOW DIRECTION
- CATCH BASIN
- EXISTING CONTOUR
- PROPERTY LINE
- EASEMENT
- EXISTING UTILITY LINE
- PIPE SLEEVE

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 0 7 9 1 0 8 7

THE LIMIT OF CONSTRUCTION SHOWN ON THE PLANS IS AN APPROXIMATION TO SHOW AREAS OF ANTICIPATED PAVEMENT, CURB AND GUTTER AND/OR OTHER SURFACE REMOVAL. THE CONTRACTOR SHALL ENDEAVOR TO MINIMIZE THE ACTUAL CONSTRUCTION LIMITS BUT IN NO CASE SHALL SUCH LIMITS OF WORK RESTRICT THE CONTRACTORS WORK WHERE SAFETY WOULD BE IMPAIRED. THE CONTRACTOR IS REFERRED TO THE SPECIFICATIONS AS SUPPLEMENTED, ESPECIALLY SECTION 6 OF THE GENERAL CONDITIONS.

ALL DISTURBED CONSTRUCTION AREAS MUST BE RESEEDED AS PER SUP.
TECH. SPEC. 915

AS BUILT INFORMATION
BENDER CONST.
LYNN SURVEYING
J.C.
LYNN SURVEYING, LTD.
R.T.I.
MICRO FILM INFORMATION

BENCH MARKS
ACS MONUMENT 5-E19 EL. 5474.97 LOCATED APPROX. 1215' EAST OF ℄ OF BARSTOW ST. NE AND APPROX. 22' NORTH OF "CHERRY HILLS WEST" NORTH PROPERTY LINE.
ACS MONUMENT 3-D20 EL. 5544.94 LOCATED 139.49' WEST OF ℄ OF VENTURA ST. NE AND APPROX. 158' NORTH OF "CHERRY HILLS EAST" NORTH PROPERTY LINE.

SURVEY INFORMATION
FIELD NOTES
NO. DATE BY

ENGINEER'S SEAL

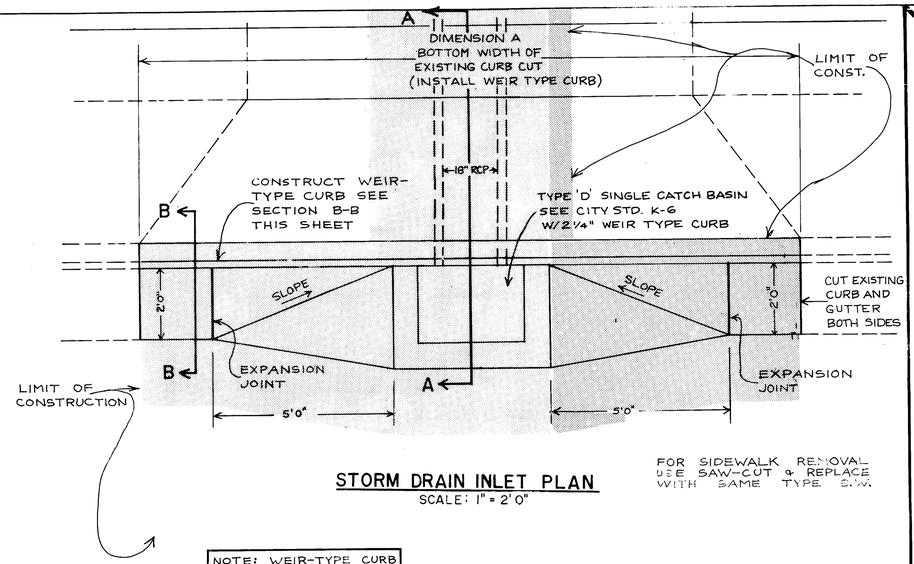
REVISIONS
NO. DATE REMARKS BY
DESIGN
ENGINEER S.L. DATE JUNE '85
DRAWN C.C.M. DATE JUNE '85
CHECKED S.D. DATE JUNE '85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE **CHANNEL PLAN AND PROFILE STA. 32+60 TO END**

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/21/85 | Liquid Waste | | |
| A.C.E.-Design | | 8/21/85 | Traffic | NA Dwt | 8/21/85 |
| A.C.E.-Hydrology | | 8/21/85 | Water | NA | 8/21/85 |

DRAWING NO. 2079 | MAP NO. D & E 20 | SHEET 10 OF 16

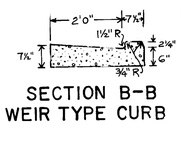



## STORM DRAIN INLET PLAN

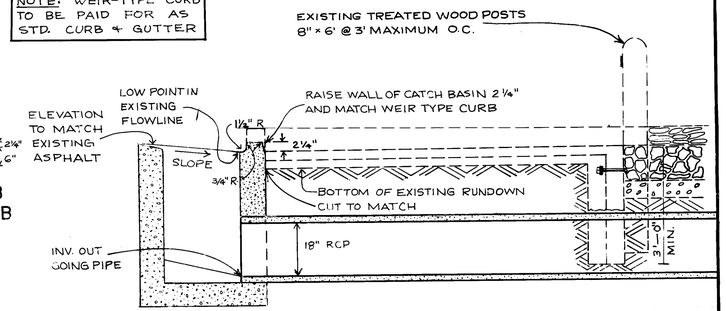
SCALE: 1" = 2'0"

FOR SIDEWALK REMOVAL USE SAW-CUT & REPLACE WITH SAME TYPE E.W.

NOTE: WEIR-TYPE CURB TO BE PAID FOR AS STD. CURB & GUTTER



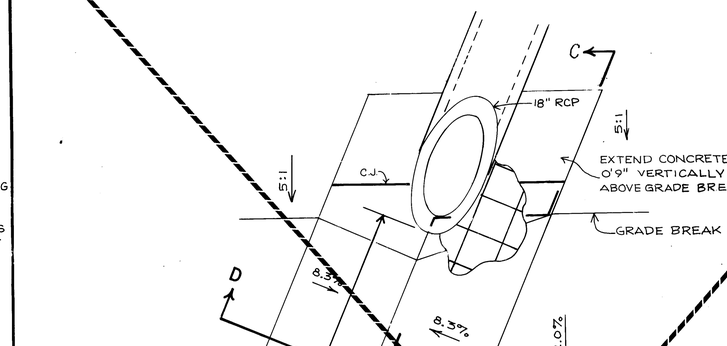

## SECTION B-B WEIR TYPE CURB




## SECTION A-A

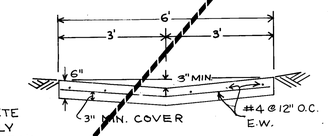
STORM DRAIN INLET DATA

| STORM DRAIN INLET | LOW POINT EL. (FLOWLINE) | INV. OUTGOING PIPE | BOTTOM WIDTH CURB CUT DIMENSION A |
|---|---|---|---|
| CAPITOL DR | 5489.17 (88.97) | 5485.84 (.74) | 20' (24') |
| GETTYSBURG RD | 5510.29 (09.89) | 5506.90 (07.05) | 24' (34') |
| YORKTOWN PL | 5520.17 (19.70) | 5516.17 (17.15) | 30' (45') |
| VALLEYFORGE PL | 5527.59 (26) | 5423.53 (.59) | 24' (41') |




## STORM DRAIN OUTLET PLAN

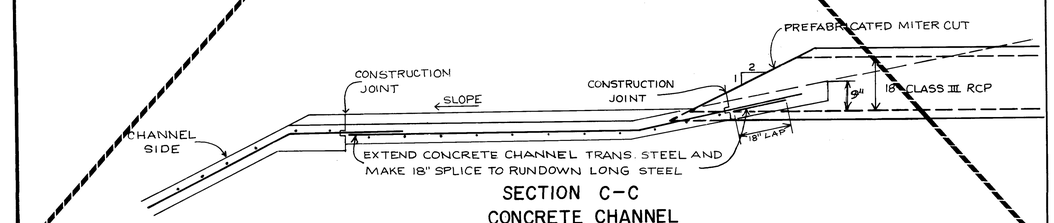
SCALE: 1" = 2'0"




## SECTION D-D

STORM DRAIN OUTLET DATA

| STORM DRAIN OUTLET | CHANNEL STATION | Δ W. CHANNEL TANGENT | DIMENSION 'L' |
|---|---|---|---|
| CAPITOL DR | 14 + 63 | 67.75° | 9' - 8 11/16" |
| MINUTEMAN DR | 18 + 01 | 34.23° | 16' - 0" |
| GETTYSBURG RD | 22 + 87 | 67.75° | 9' - 8 11/16" |
| YORKTOWN PL | 26 + 09 | 67.75° | 9' - 8 11/16" |
| VALLEYFORGE PL | 28 + 95 | 76.44° | 9' - 3 1/8" |




## SECTION C-C CONCRETE CHANNEL

STORM DRAIN INLET

1. REMOVE EXISTING CURB AND GUTTER ALONG BOTTOM WIDTH OF CURB CUT.
2. CUT BOTTOM OF EXISTING 8" THICK RUNDOWN SLAB TO ACCOMODATE 18" RCP TRENCH. CONTRACTOR SHALL REPLACE PART OF OR TOTAL SLAB AT DIRECTION OF ENGINEER. (PATCH W 6 X 6 - W 2.9 X 2.9 WELDED WIRE FABRIC SPLICED TO EXISTING WIRE).
3. INSTALL TYPE 'D' SINGLE CATCH BASIN, MODIFIED AS SHOWN, IN CENTER OF EXISTING CURB CUT @ LOW POINT. TOP OF CATCH SHALL BE HAND FORMED TO MATCH WEIR CURB WHEN CURB IS ON RADIUS. TOP OF WEIR CURB SHALL BE 2 1/4" ABOVE LOW POINT IN FLOWLINE.
4. WIRED RIPRAP AND TREATED WOOD POSTS REMOVED DURING CONSTRUCTION SHALL BE REPLACED IN ORIGINAL POSITION.

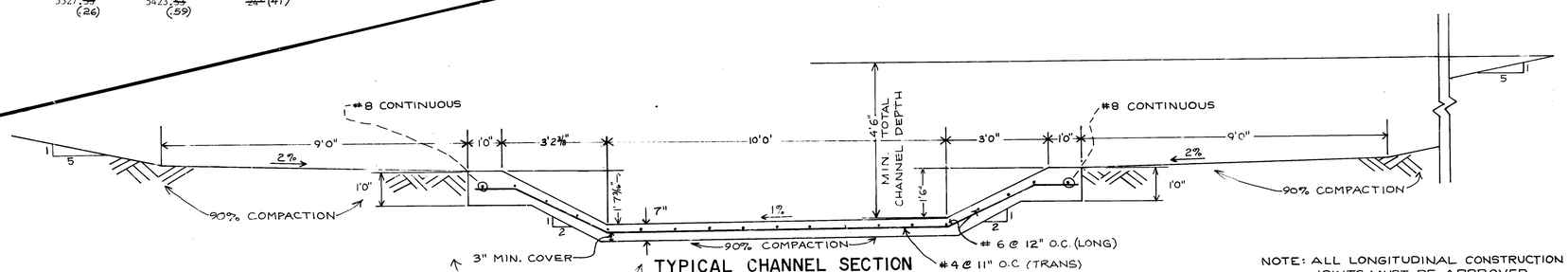
CONCRETE CHANNEL

1. THE CONCRETE CHANNEL SHALL BE CONTINUOUSLY REINFORCED WITH ONLY CONSTRUCTION JOINTS, UNLESS NOTED ON DRAWINGS.
2. THE FOLLOWING SHALL BE COMPACTED TO AT LEAST 90% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D - 1557 (MODIFIED PROCTOR)
   - A. THE SUBGRADE FOR 12" BELOW CONCRETE CHANNEL BOTTOM AND SIDES.
   - B. THE TOP 12" OF OVERBANK AND SIDE SLOPES TO A HEIGHT EQUAL TO TOTAL CHANNEL DEPTH.
   - C. ALL FILL MATERIAL

STORM DRAIN OUTLET

1. CONSTRUCTION JOINTS SHALL HAVE 2" X 2" KEY.
2. PROVIDE 15# FELT BOND BREAKER BETWEEN PIPE AND CONCRETE CRADLE.

ALL DISTURBED CONSTRUCTION AREAS MUST BE RESEEDED AS PER SUP. TECH. SPEC. 915




## TYPICAL CHANNEL SECTION

STATION 12+57.80 TO STATION 34+45.25
LOOKING UPSTREAM
SCALE: 1" = 2'0"

NOTE: ALL LONGITUDINAL CONSTRUCTION JOINTS MUST BE APPROVED BY ENGINEER.

AS BUILT INFORMATION

CONTRACTOR BENDER CONST.
WORK STAKED BY LYNN DATE
STAKES CHECKED BY SURVEYING DATE
ACCEPTANCE BY J.C. DATE
FIELD VERIFICATION BY LYNN DATE
DRAWINGS CORRECTED BY R.T.L. DATE 7/86

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

A.C.S. MONUMENT 5-E19 EL. 5474.97 LOCATED APPROX. 1215' EAST OF ℄ OF BARSTOW ST. NE AND APPROX. 22' NORTH OF "CHERRY HILLS WEST" NORTH PROPERTY LINE.

A.C.S. MONUMENT 3-D20 EL. 5544.94 LOCATED 139.49' WEST OF ℄ OF VENTURA ST. NE AND APPROX. 158' NORTH OF "CHERRY HILLS EAST" NORTH PROPERTY LINE.

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

REVISIONS

DESIGN

DESIGNED BY S.L. DATE JUNE '85
DRAWN BY J.L. DATE JUNE '85
CHECKED BY E.D. DATE JUNE '85

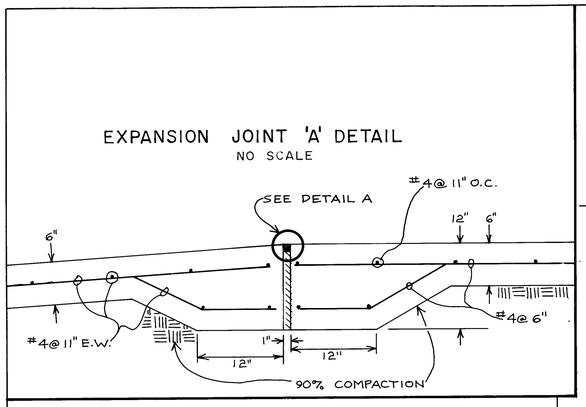
26 20791187

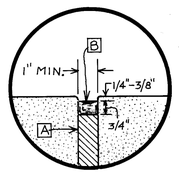
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **DETAILS**

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/21/85 | Liquid Waste | NA | 8/21/85 |
| A.C.E.-Design | | 8/21/85 | Traffic | NA | 8/21/85 |
| A.C.E.-Hydrology | | 8/21/85 | Water | NA | 8/21/85 |

DRAWING NO. 2079 | MAP NO. D & E 20 | SHEET 11 OF 16



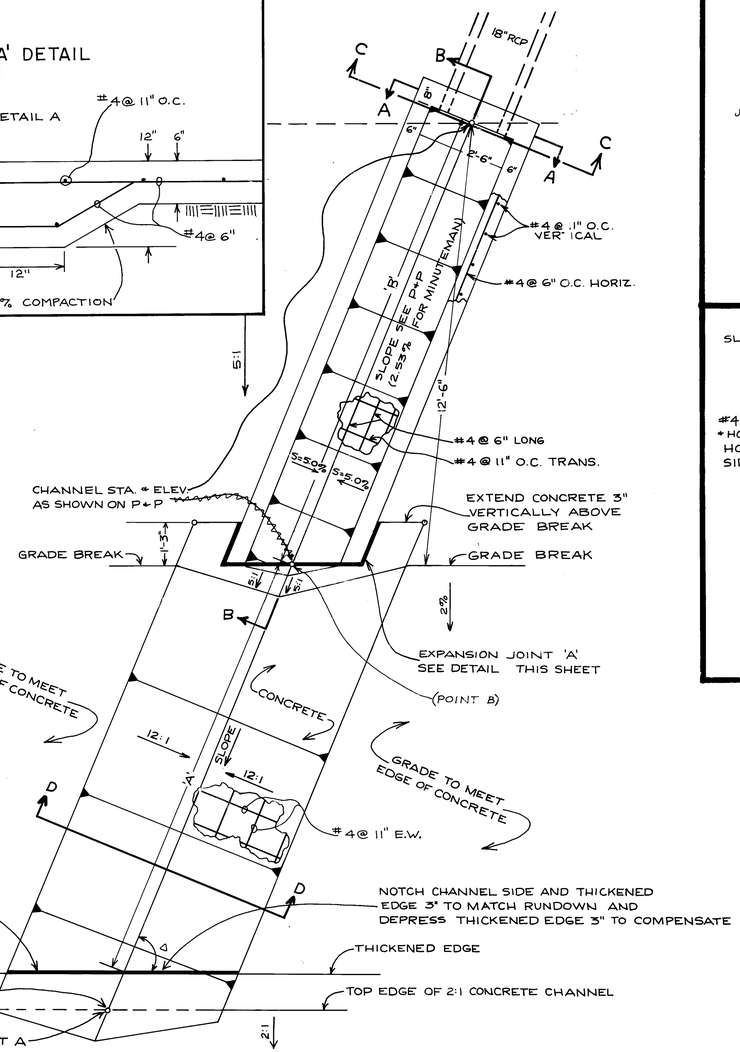




DETAIL A
NO SCALE

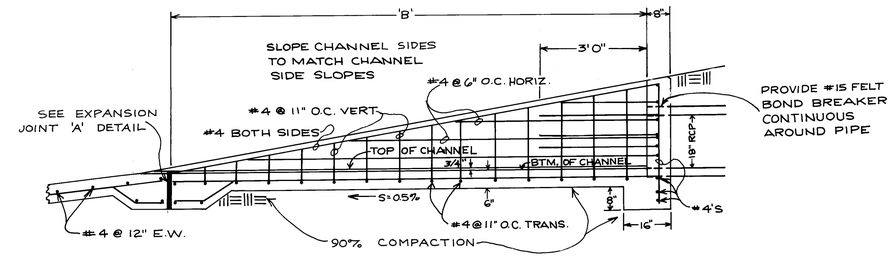
CONSTRUCTION NOTES

A. INSTALL CLOSED CELL POLYETHYLENE FILLER SHEET, PLASTAZOTE OR EQUAL, OR FOAM POLYETHYLENE BACKER ROD, HBR OR EQUAL, WITHOUT BENDING.

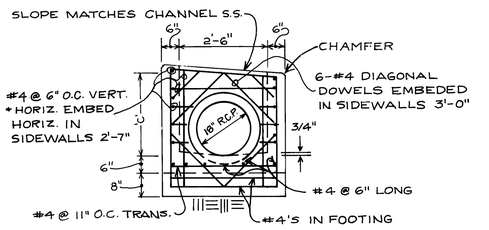
B. APPLY TWO COMPONENT EPOXY BONDER. EVA-POX BONDER #2 OR EQUAL AND ETHYLENE VINYL ACETATE SEALANT, EVA-SEAL OR EQUAL, 3/4" THICK AND 1/4" WIDER THAN FORMED JOINT.



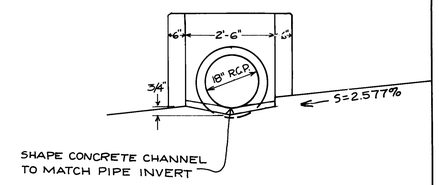

CONCRETE OUTLET PLAN
SCALE: 1" = 2'



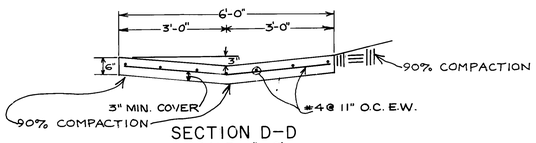

SECTION B-B
SCALE: 1" = 2'




SECTION A-A
SCALE: 1" = 2'



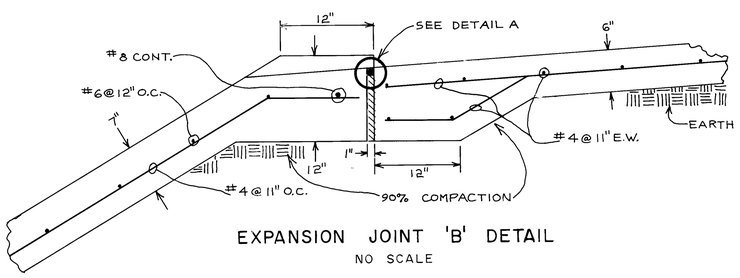

SECTION C-C
SCALE: 1" = 2'




SECTION D-D
SCALE: 1" = 2'

## LEGEND

| Pipe Location | Station | Point A | W. Tangent (Δ) | Dim. 'A' | Dim. 'B' | Inv. El. Point B | Dim. 'C' |
|---|---|---|---|---|---|---|---|
| Capitol Drive | (14+52.24) ~~14+60.91~~ | (.33) 5484.~~45~~ | (67.98°) ~~67.75~~ | (8.92') ~~9'-8 11/16"~~ | (14.03') ~~13'-6"~~ | (5484.45') ~~5485.12~~ | (2.48') ~~2'-6"~~ |
| Minuteman Drive | (17+70.60) ~~18+02.30~~ | (92.68) 54~~93.19~~ | 34.23° | (16.52') ~~16'-9"~~ | (19.53') ~~22'-2"~~ | (5493.14) ~~5495.48~~ | (2.31') ~~2'-3"~~ |
| Gettysburg Drive | (22+81.99) ~~22+86.91~~ | 5505.73' | (68.08°) ~~67.75~~ | (9.97') ~~9'-8 11/16"~~ | (12.93') ~~13'-6"~~ | (5505.89) ~~5506.37~~ | (2.53') ~~2'-6"~~ |
| Yorktown Place | (26+05.78) ~~26+08.91~~ | (.14) 5514.~~95~~ | (67.82°) ~~67.75~~ | (10.03') ~~9'-8 11/16"~~ | (12.63') ~~13'-6"~~ | (5514.20) ~~5506.81~~ | (2.5') ~~2'-6"~~ |
| Valley Forge Place | (29+00.59) ~~28+94.59~~ | (.68) 5521.~~41~~ | (77.84°) ~~76.44~~ | (9.10') ~~9'-3 1/8"~~ | (12.53') ~~12'-10"~~ | (5521.87') ~~5522.16~~ | (2.4') ~~2'-4 1/2"~~ |




EXPANSION JOINT 'B' DETAIL
NO SCALE

AS BUILT INFORMATION
CONTRACTOR BENDER CONST.
WORK STAKED BY LYNN SURVEYING DATE
INSPECTOR'S ACCEPTANCE BY J.C. DATE
FIELD VERIFICATION & DRAWINGS CORRECTED BY LYNN SURVEYING DATE
MICRO-FILM INFORMATION RECORDED BY DATE
NO

BENCH MARKS
A.C.S. MONUMENT 5-E19 EL. 5474.97 LOCATED APPROX. 1215' EAST OF ℄ OF BARSTOW ST. NE AND APPROX. 22' NORTH OF "CHERRY HILLS WEST" NORTH PROPERTY LINE.
A.C.S. MONUMENT 3-D20 EL. 5544.94 LOCATED 139.49' WEST OF ℄ OF VENTURA ST. NE AND APPROX. 158' NORTH OF "CHERRY HILLS EAST" NORTH PROPERTY LINE.

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL
8/5/85

5/15/85

REVISIONS

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

DESIGN
DESIGNED BY S.L. DATE JULY 1985
DRAWN BY J.L. DATE AUGUST 1985
CHECKED BY E.D. DATE AUGUST 1985

2 6 2 0 7 9 1 2 8 7

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **DETAILS**

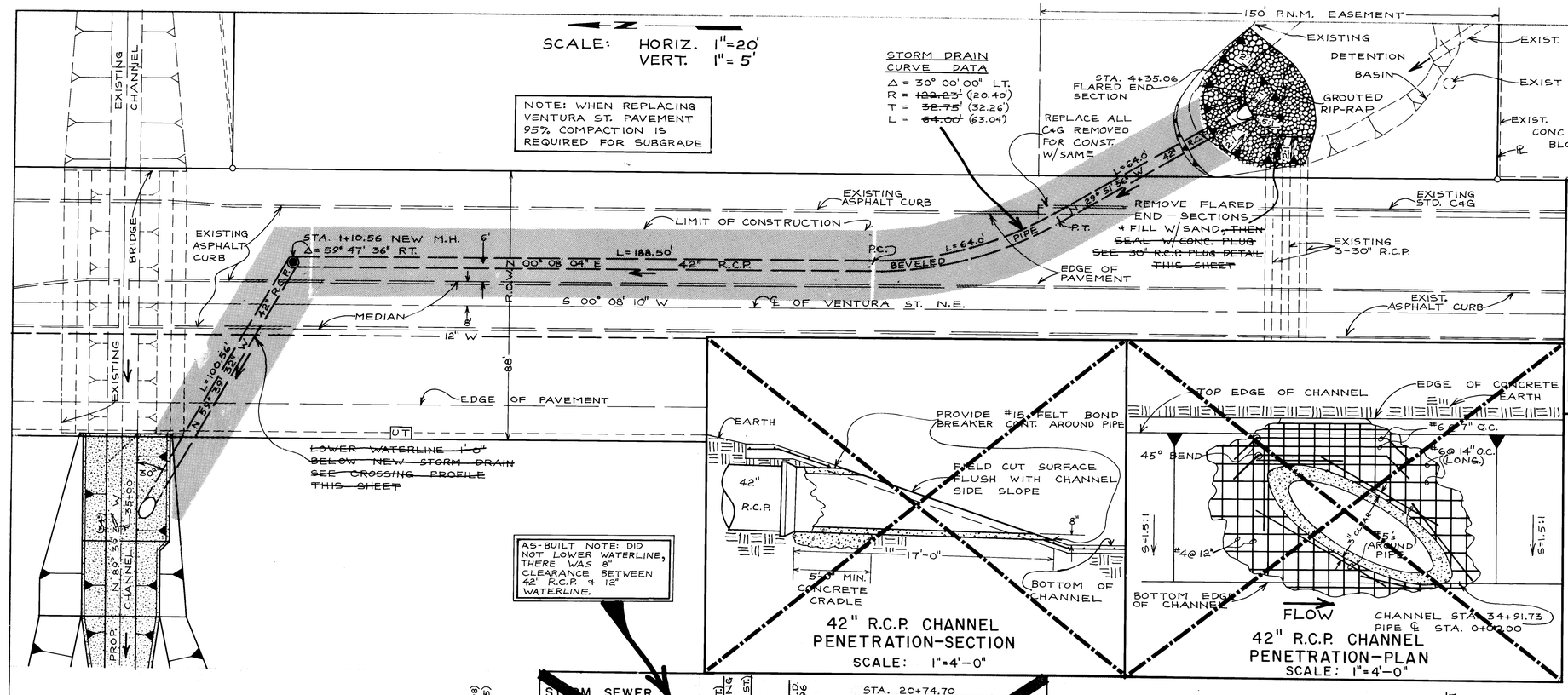
| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/20/85 | Liquid Waste | NA | 8/21/85 |
| A.C.E.-Design | | 8/20/85 | Traffic | NA | 8/21/85 |
| ~~A.C.E.~~-Hydrology | | 8/21/85 | Water | NA | 8/21/85 |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2079 | D & E 20 | 12 | 16 |

SCALE: HORIZ. 1"=20'
VERT. 1"=5'

NOTE: WHEN REPLACING VENTURA ST. PAVEMENT 95% COMPACTION IS REQUIRED FOR SUBGRADE

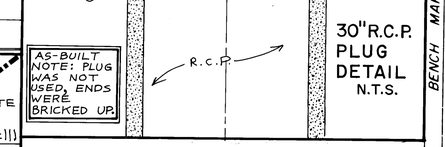
STORM DRAIN CURVE DATA
Δ = 30° 00' 00" LT.
R = ~~132.25'~~ (120.40')
T = ~~32.75'~~ (32.26')
L = ~~64.00'~~ (63.04)







AS-BUILT NOTE: DID NOT LOWER WATERLINE, THERE WAS 8" CLEARANCE BETWEEN 42" R.C.P. & 12" WATERLINE.




NOTES

1. PRIOR TO ANY CONSTRUCTION CONTRACTOR SHALL EXCAVATE AND FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE 12" WATER LINE. SHOULD A CONFLICT EXIST AND THE WATER LINE CANNOT PASS OVER THE STORM DRAIN THE 12" WATER LINE SHALL BE LOWERED AS SHOWN IN THE CROSSING PROFILE. (NOTIFY CITY WATER RESOURCES)
2. PAVEMENT AND ASPHALT CURBS SHALL BE PATCHED ACCORDING TO CITY STANDARDS (2" ASPHALT WITH 6" SUBASE).
3. ADD 5,500 ALL ELEVATIONS.

LEGEND
- CONCRETE
- RIP-RAP
- EXISTING WATER LINE
- STORM DRAIN MANHOLE
- LIMIT OF CONSTRUCTION




THE LIMIT OF CONSTRUCTION SHOWN ON THE PLANS IS AN APPROXIMATION TO SHOW AREAS OF ANTICIPATED PAVEMENT, CURB AND GUTTER AND/OR OTHER SURFACE REMOVAL. THE CONTRACTOR SHALL ENDEAVOR TO MINIMIZE THE ACTUAL CONSTRUCTION LIMITS BUT IN NO CASE SHALL SUCH LIMITS OF WORK RESTRICT THE CONTRACTORS WORK WHERE SAFETY WOULD BE IMPAIRED. THE CONTRACTOR IS REFERRED TO THE SPECIFICATIONS AS SUPPLEMENTED, ESPECIALLY SECTION 6 OF THE GENERAL CONDITIONS.

AS BUILT INFORMATION
CONTRACTOR BENDER CONST.
WORK STAKED BY LYNN DATE
CLEARED BY SURVEYING
INSPECTOR'S FINAL BY J.C. DATE
FIELD CHECKS BY LYNN
FIELD VERIFICATION BY SURVEYING DATE
CORRECTIONS MADE BY R.T.I. DATE 7/86
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
A.C.S. MONUMENT 5-E19 EL. 5474.97 LOCATED APPROX. 1215' EAST OF ℄ OF BARSTOW ST. NE AND APPROX. 22' NORTH OF "CHERRY HILLS WEST" NORTH PROPERTY LINE.
A.C.S. MONUMENT 3-D20 EL. 5544.94 LOCATED 139.49' WEST OF ℄ OF VENTURA ST. NE AND APPROX. 158' NORTH OF "CHERRY HILLS EAST" NORTH PROPERTY LINE.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

REVISIONS
NO DATE REMARKS BY

DESIGN
DESIGNED BY S.L. DATE JUNE '85
DRAWN BY C.C.M. DATE JUNE '85
CHECKED BY E.D. DATE JUNE '85

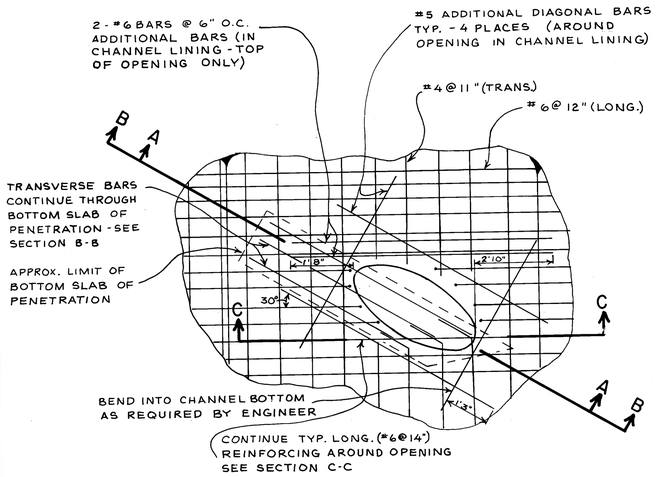
2.6 2079 1387

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE **VENTURA STREET STORM DRAIN PLAN & PROFILE**

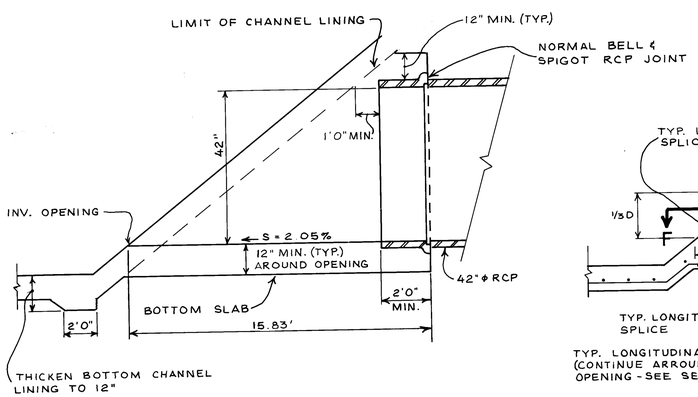
| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/20/85 | Liquid Waste | | 8/21/85 |
| A.C.E. Design | | 8/20/85 | Traffic | NA | 8/21/85 |
| ~~A.C.E.~~ Hydrology | | 8/21/85 | Water | | 8/21/85 |

| DRAWING NO | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2079 | D & E 20 | 13 | 16 |



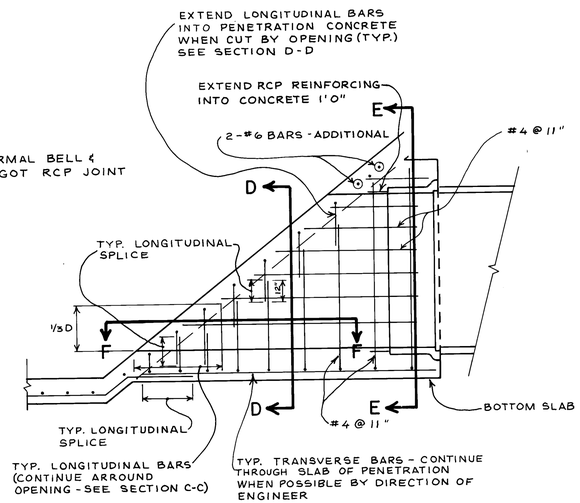

## PIPE PENETRATION PLAN

NO SCALE



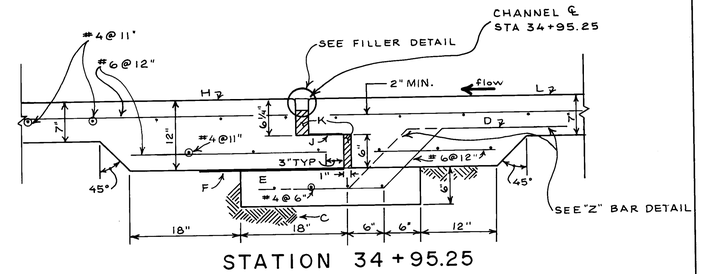

## SECTION A-A

NO SCALE

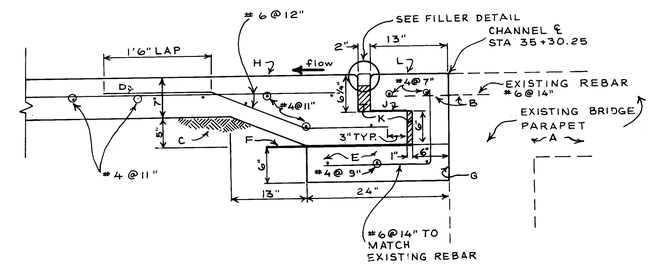



## SECTION B-B

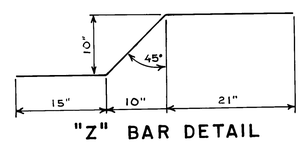
NO SCALE



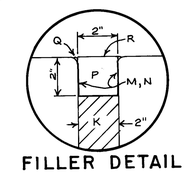

## STATION 34 + 95.25




## VENTURA ST. BRIDGE STA. 35 + 30.25




## "Z" BAR DETAIL



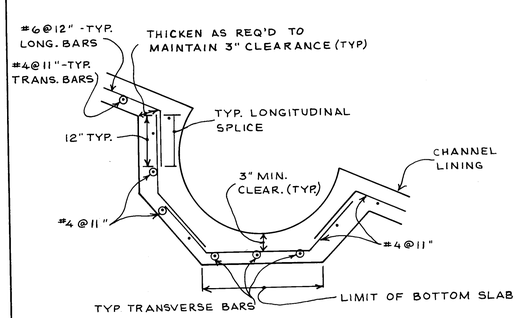

## FILLER DETAIL

## EXPANSION JOINT DETAILS

## STEP TYPE

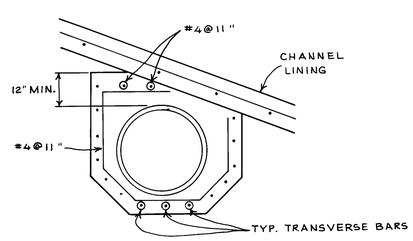
SCALE: 1" = 1'

5/15/86



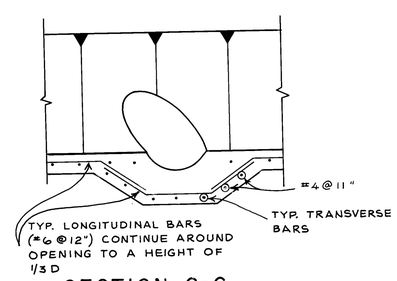

## SECTION D-D

NO SCALE



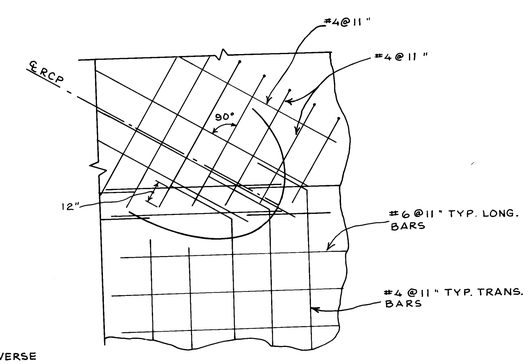

## SECTION E-E

NO SCALE




## SECTION C-C

NO SCALE




## SECTION F-F

NO SCALE

### GENERAL NOTES

1. STEP JOINT WITH SLEEPER SHALL BE USED IN ALL NEW AND REHABILITATION CONSTRUCTION AS SPECIFIED BY ENGINEER. JOINT MATERIALS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
2. AS SOON AS THE STEP JOINT IS COMPLETE, THE EXPOSED ENDS OF THE STEP JOINT SHALL BE COVERED WITH A PROTECTIVE SHEET OF 16 GA. GALVANIZED STEEL WITH 1/2" CRIMPED EDGES, ANCHORED AT TWO CORNERS ON ONE SIDE OF THE JOINT, FLUSH TO THE TOP OF THE JOINT, AND EXTENDING AT LEAST 3" PAST THE SEALANT, FILLERS, AND LOWER BEARING PLATE.

### CONSTRUCTION NOTES

A. EXISTING CONCRETE STRUCTURE TO REMAIN.

B. EXISTING REINFORCING STEEL TO REMAIN.

C. COMPACT SUBGRADE TO MINIMUM 90% PER ASTM D 1557. SHAPE TO DIMENSIONS SHOWN.

D. TIE STEEL AS SHOWN: 18" SPACING PARALLEL TO CHANNEL. OTHER STEEL SIZE AND SPACING PER D.P.M. LONGITUDINAL STEEL AREA GREATER THAN .005 TIMES CONC. AREA; TRANSVERSE STEEL AREA GREATER THAN .0025 TIMES CONC. AREA. SEE DETAIL FOR Z BAR THIS SHEET. SECURELY TIE ALL CONNECTIONS. SUPPORT SLEEPER MAT WITH PREFORMED CONCRETE CHAIRS. STEEL SHALL BE FREE OF FERRIC OXIDE (BLACK RUST SCALE).

E. FORM AND POUR FLY ASH CONCRETE SLEEPER, STEEL TROWEL BEARING SURFACE SIDE ONLY. RECOMPACT ADJACENT SOIL.

F. POLYETHYLENE BEARING PLATE, 1/4" X 2', LOW DENSITY, PLACED FLAT ON SAME GRADE AS CHANNEL. CARE SHALL BE TAKEN NOT TO LOCK EDGE OF PLATE WITH CONCRETE FILLED HOLES OR FLASHING. COMPACT SOIL TO TOP PLANE OF PLATE.

G. SANDBLAST EDGE OF EXISTING CONCRETE STRUCTURE AND APPLY CEMENTITIOUS GROUT, JUST PRIOR TO PLACING NEW CONCRETE.

H. FORM AND POUR DOWNSTREAM CONCRETE SECTION AS SHOWN WITH FLY ASH CONCRETE WITH ALUMINUM FLOAT AND DRY BROOM FINISH. STEEL TROWEL BEARING PLATE SURFACE ONLY. BEARING PLATE SURFACE MUST BE PARALLEL TO BEARING PLATE SURFACE ON SLEEPER. FORMS TO REMAIN IN PLACE UNTIL NEXT DAY FOLLOWING POUR.

J. PLACE 1/4" X 6" LOW DENSITY POLYTHYLENE BEARING PLATE AS SHOWN BETWEEN THE TWO FILLER SECTIONS.

K. PLACE POLYETHYLENE FOAM FILLERS AS SHOWN, PLASTAZOTE OR APPROVED EQUAL. DO NOT ANCHOR WITH NAILS OR BONDING AGENT. KEEP WITH FRESH CONCRETE WHEN POURING UPSTREAM SECTION. DO NOT ALLOW FRESH CONCRETE BETWEEN PLASTAZOTE AND POURED CONCRETE SECTION.

L. POUR UPSTREAM SECTION WITH FLY ASH CONCRETE. VERTICAL SIDES OF FORM USED TO BLOCK OUT SPACE FOR SEALANT SHALL BE SMOOTH, CLEAN MATERIAL TO AVOID NOSING CONTAMINATION AND FOR EASE OF REMOVAL. CONCRETE SHALL BE CURED TO MINIMUM 80% OF DESIGN STRENGTH BEFORE INSTALLING SEALANT.

M. PREPARE VERTICAL NOSING FOR BONDER BY SANDBLASTING. BLOW ALL SAND OUT OF THE JOINT BEFORE APPLYING BONDER.

N. APPLY 2 COMPONENT EPOXY EVA-POX, FRESH CONCRETE BONDER, OR APPROVED EQUAL TO VERTICAL CONCRETE FACES AND VERTICAL SEALANT FACES.

P. IMMEDIATELY INSTALL ETHYLENE VINYL ACETATE FOAM SEALANT, EVA-SEAL OR APPROVED EQUAL, AS SHOWN. DIMENSION OF FOAM SEALANT BEFORE INSTALLATION SHALL BE AS SHOWN. FOAM SEALANT MUST BE COMPRESSED INTO JOINT. IMMEDIATELY REMOVE ALL BONDER FROM TOP SURFACE OF SEALANT.

Q. BONDER BEAD IN GROOVE BETWEEN TOOLED RADIUS AND SEALANT IS TO REMAIN.

R. SAND SURFACE OF SEALANT FLUSH TO TOP OF CONCRETE. APPLY ULTRA VIOLET PROOFING, 2 COATS, FLEXCOAT 19 OR APPROVED EQUAL.

26 20791487 1

AS BUILT INFORMATION
CONTRACTOR BENDER CONST.
WORK STAKED BY SURVEYING DATE
INSPECTORS ACCEPTANCE BY J.C. DATE
VERIFICATION BY SURVEYING LYNN DATE
WEST "NORTH PROPERTY LINE. DATE 7/86
CORRECTED BY R.T.L.
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
ACS. MONUMENT 5-E19 EL. 5474.97 LOCATED APPROX. 1215' EAST OF ℄ OF BARSTOW ST. NE AND APPROX. 22' NORTH OF "CHERRY HILLS WEST" NORTH PROPERTY LINE.
ACS. MONUMENT 3-D20 EL. 5544.94 LOCATED 139.49' WEST OF ℄ OF VENTURA ST. NE AND APPROX. 158' NORTH OF "CHERRY HILLS EAST" NORTH PROPERTY LINE.

SURVEY INFORMATION
FIELD NOTES

| NO. | BY | DATE |
|---|---|---|

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|

REVISIONS

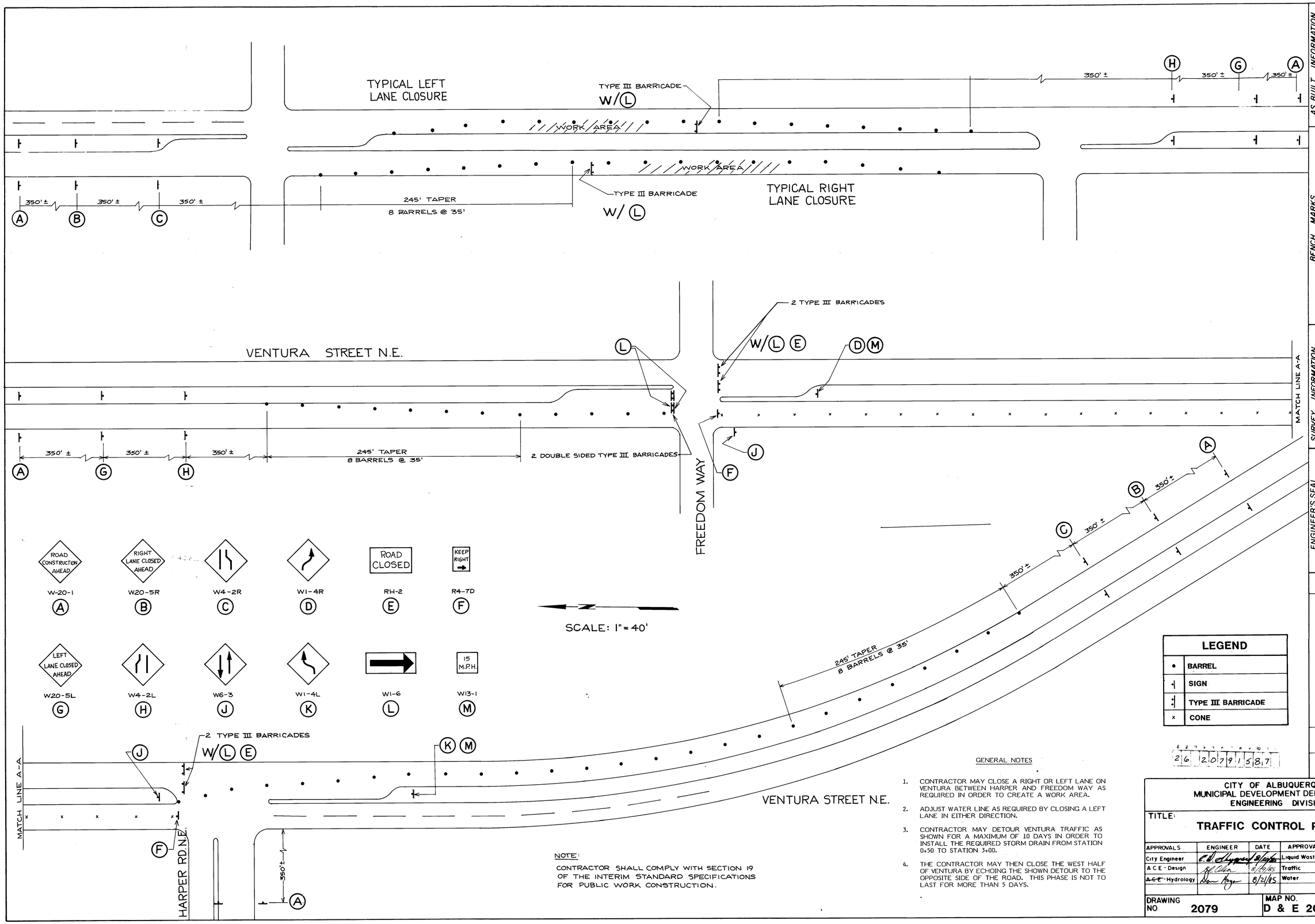
| | | |
|---|---|---|
| DESIGN | | |
| DESIGNED BY | E.D. | DATE AUG. 1985 |
| DRAWN BY | S.D. | DATE AUG. 1985 |
| CHECKED BY | E.D. | DATE AUG. 1985 |

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **EXPANSION JOINT AND STORM DRAIN DETAILS**

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/20/85 | Liquid Waste | N.A. | 8/21/85 |
| A.C.E. - Design | | 8/19/85 | Traffic | N.A. | 8/21/85 |
| ~~A.C.E.~~ - Hydrology | | 8/21/85 | Water | N.A. | 8/21/85 |

| DRAWING NO. | MAP NO. | SHEET | OF |
|---|---|---|---|
| 2079 | D & E 20 | 14 | 16 |




| LEGEND | |
|---|---|
| • | BARREL |
| ⊣ | SIGN |
| ⊣ | TYPE III BARRICADE |
| x | CONE |

GENERAL NOTES

1. CONTRACTOR MAY CLOSE A RIGHT OR LEFT LANE ON VENTURA BETWEEN HARPER AND FREEDOM WAY AS REQUIRED IN ORDER TO CREATE A WORK AREA.
2. ADJUST WATER LINE AS REQUIRED BY CLOSING A LEFT LANE IN EITHER DIRECTION.
3. CONTRACTOR MAY DETOUR VENTURA TRAFFIC AS SHOWN FOR A MAXIMUM OF 10 DAYS IN ORDER TO INSTALL THE REQUIRED STORM DRAIN FROM STATION 0+50 TO STATION 3+00.
4. THE CONTRACTOR MAY THEN CLOSE THE WEST HALF OF VENTURA BY ECHOING THE SHOWN DETOUR TO THE OPPOSITE SIDE OF THE ROAD. THIS PHASE IS NOT TO LAST FOR MORE THAN 5 DAYS.

NOTE:
CONTRACTOR SHALL COMPLY WITH SECTION 19 OF THE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION.

AS BUILT INFORMATION

CONTRACTOR BENDER CONST.
WORK STAKED BY LYNN SURVEYING DATE
AS-BUILT CHECKED BY J.C. DATE
FIELD DRAWING INFORMATION BY LYNN SURVEYING DATE
CORRECTED BY R.T.I. DATE 7/86
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

A.C.S. MONUMENT 5-E19 EL. 5474.97 LOCATED APPROX. 1215' EAST OF ℄ OF BARSTOW ST. NE AND APPROX. 22' NORTH OF "CHERRY HILLS WEST" NORTH PROPERTY LINE.
A.C.S. MONUMENT 3-D20 EL. 5544.94 LOCATED 139.49' WEST OF ℄ OF VENTURA ST. NE AND APPROX. 158' NORTH OF "CHERRY HILLS EAST" NORTH PROPERTY LINE.

SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | REVISIONS | |

DESIGN
DESIGNED BY CITY OF ALBUQUERQUE DATE JULY 1985
DRAWN BY C.O.M. & J.L. DATE JULY 1985
CHECKED BY E.D DATE AUGUST 1985

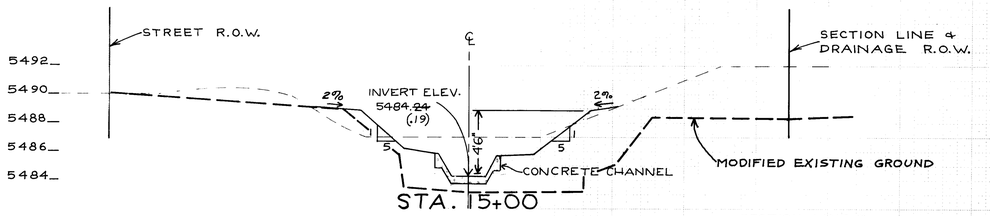
216 2079 1 5 8 7

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

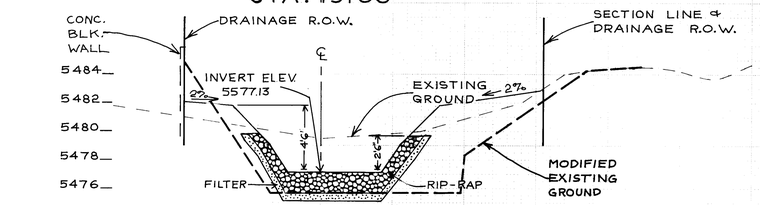
TITLE:
# TRAFFIC CONTROL PLAN

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | [illegible] | 8/21/85 | Liquid Waste | [illegible] N.A. | 8/21/85 |
| A C E - Design | [illegible] | 8/21/85 | Traffic | [illegible] | 8/21/85 |
| ~~A C E~~ - Hydrology | [illegible] | 8/21/85 | Water | [illegible] N.A. | 8/21/85 |

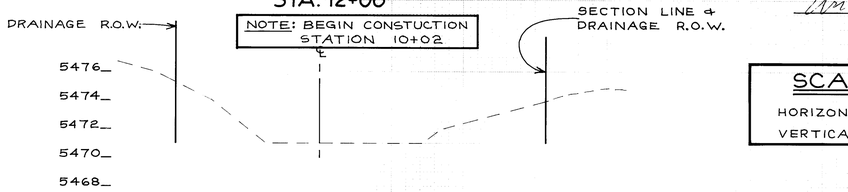
DRAWING NO. 2079 | MAP NO. D & E 20 | SHEET 15 OF 16




STA. 15+00

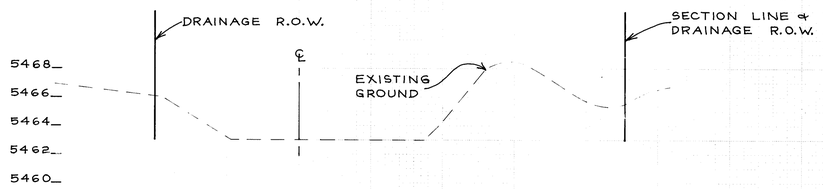



STA. 12+00

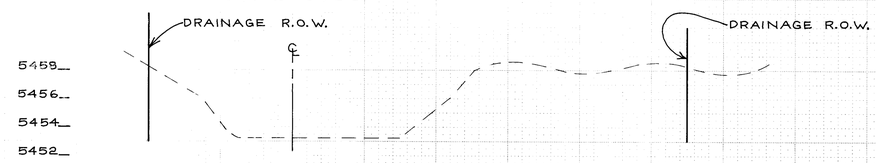



NOTE: BEGIN CONSTUCTION STATION 10+02

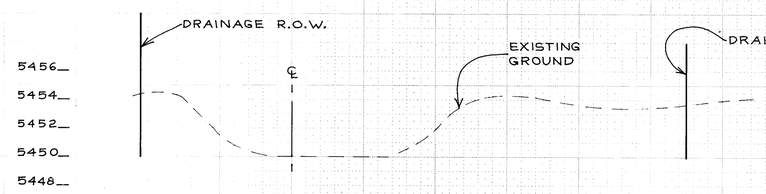
STA. 9+00



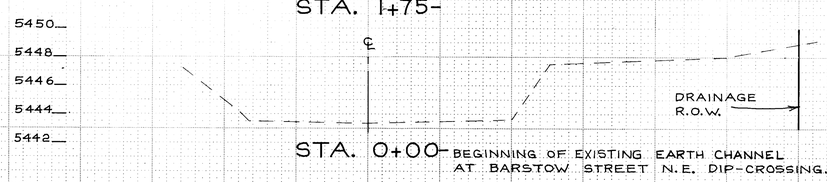

STA. 6+00




STA. 3+00



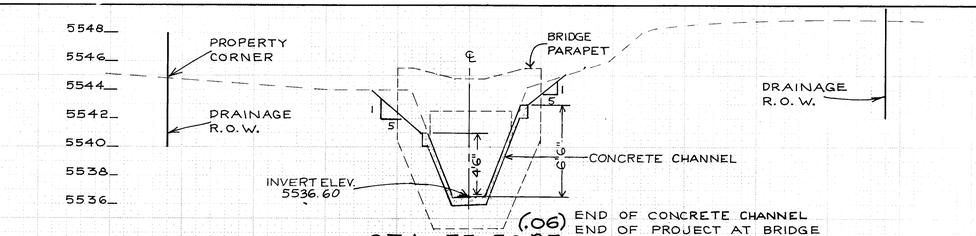

STA. 1+75-



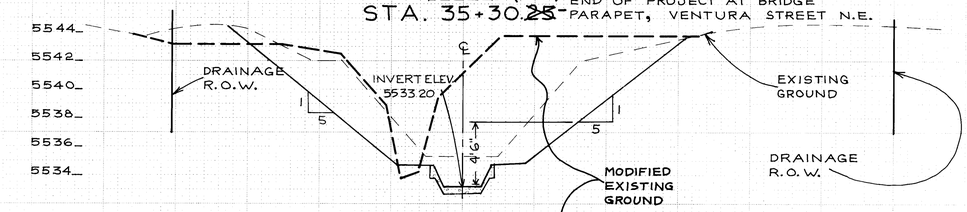

STA. 0+00- BEGINNING OF EXISTING EARTH CHANNEL AT BARSTOW STREET N.E. DIP-CROSSING.

5/15/86

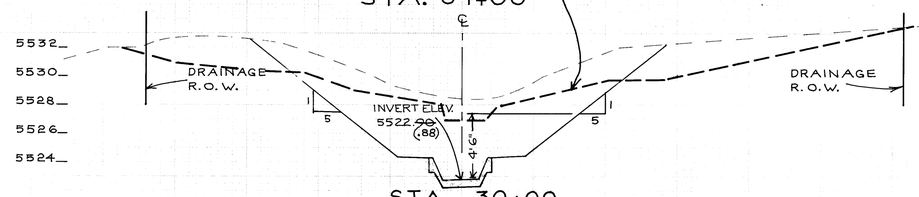
**SCALE:**
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'



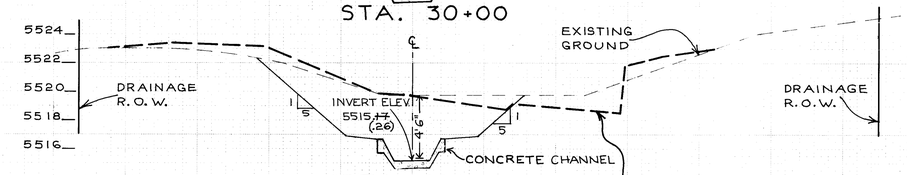

STA. 35+30.~~25~~ (.06) END OF CONCRETE CHANNEL END OF PROJECT AT BRIDGE PARAPET, VENTURA STREET N.E.



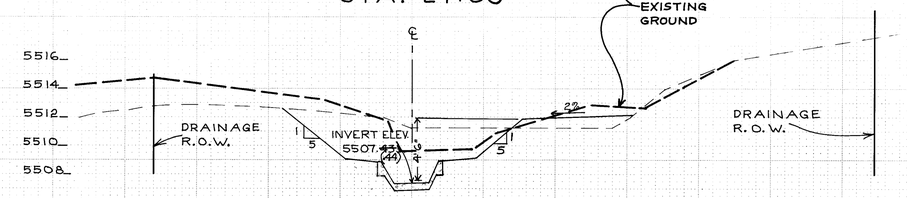

STA. 34+00



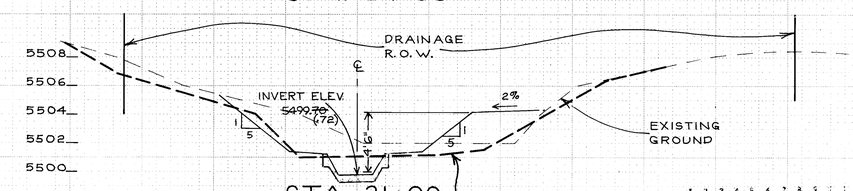

STA. 30+00



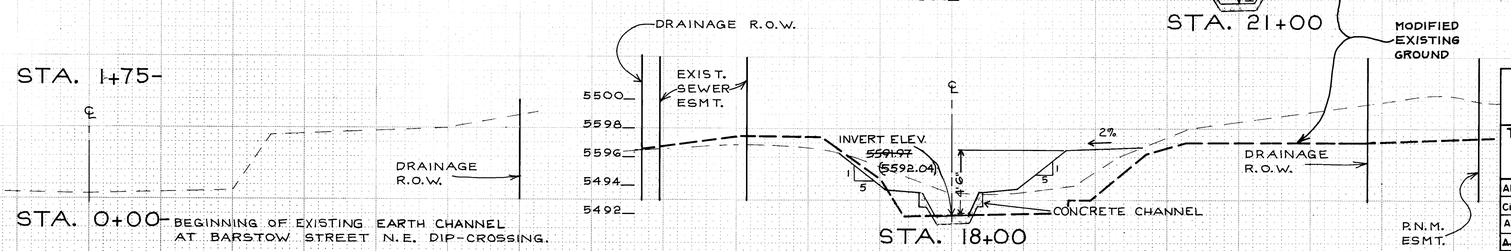

STA. 27+00




STA. 24+00




STA. 21+00




STA. 18+00

2 6 2 0 7 9 1 6 8 7

## AS BUILT INFORMATION

CONTRACTOR BENDER CONST.
WORK STAKED BY LYNN SURVEYING DATE
INSPECTED BY
ACCEPTANCE BY J.C. DATE
FIELD VERIFICATION BY LYNN SURVEYING DATE
DRAWINGS CORRECTED BY R.T.L. DATE 7/86
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

## BENCH MARKS

A.C.S. MONUMENT 5-E19 EL. 5474.97 LOCATED APPROX. 1215' EAST OF ℄ OF BARSTOW ST. NE AND APPROX. 22' NORTH OF "CHERRY HILLS WEST" NORTH PROPERTY LINE.

A.C.S. MONUMENT 3-D20 EL. 5544.94 LOCATED 139.49' WEST OF ℄ OF VENTURA ST. NE AND APPROX. 158' NORTH OF "CHERRY HILLS EAST" NORTH PROPERTY LINE.

## SURVEY INFORMATION

FIELD NOTES

| NO. | BY | DATE |
|---|---|---|
| | | |

ENGINEER'S SEAL

| NO. | DATE | REMARKS | BY |
|---|---|---|---|
| | | | |

REVISIONS

DESIGN

DESIGNED BY C.C.M. & S.L. DATE JUNE '85
DRAWN BY C.C.M. & J.L. DATE JUNE '85
CHECKED BY E.D. DATE JUNE '85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **CHANNEL CROSS SECTIONS**

| APPROVALS | ENGINEER | DATE | APPROVALS | ENGINEER | DATE |
|---|---|---|---|---|---|
| City Engineer | | 8/20/85 | Liquid Waste | N.A. | 8/21/85 |
| A.C.E.-Design | | 8/19/85 | Traffic | N.A. | 8/21/85 |
| ~~A.C.E.~~-Hydrology | | 8/21/85 | Water | N.A. | 8/21/85 |

DRAWING NO. 2079

SHEET 16 OF 16