CITY OF ALBUQUERQUE

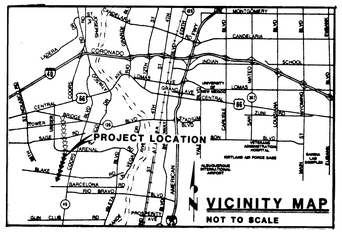
CONSTRUCTION PLANS
FOR

AMOLE DEL NORTE
STORM DIVERSION FACILITY

PHASE I:

AMOLE DETENTION BASIN TO N. SIDE BLAKE ROAD

STA. - 1+04.00 TO STA. 38+52.00



GENERAL NOTES:

1. TOPOGRAPHIC ORTHOPHOTO MAPS USED IN THE CONSTRUCTION PLANS WERE DEVELOPED FROM AERIAL PHOTOGRAPHS TAKEN ON MAY 5, 1979.
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATION 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 A MINIMUM AMOUNT OF DELAY.
4. NO CONSTRUCTION WILL BE ALLOWED WITHIN THE AMAFCA RIGHT OF WAY AT THE AMOLE DETENTION BASIN FROM MAY 15 TO OCTOBER 15. NO PORTION OF THE CONSTRUCTION WITHIN THIS AREA MAY BE LEFT UNCOMPLETED DURING THIS PERIOD. NOTIFY AMAFCA FIELD ENGINEER (884-2215) ONE WEEK BEFORE STARTING WORK IN AMAFCA RIGHT-OF-WAY.
5. RIGHT OF WAY MAPS ARE AVAILABLE FROM THE ENGINEER FOR THE CONTRACTOR'S USE DURING CONSTRUCTION. CONTRACTOR SHALL NOT ENTER PRIVATE PROPERTY WITHOUT WRITTEN VERIFIABLE PERMISSION FROM THE OWNER.
6. 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 THE CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985 (REFERENCE TO HEREIN AS THE "STANDARD SPECIFICATIONS").
7. CONTRACTOR SHALL NOTIFY THE CITY TRAFFIC ENGINEER (768-2780) THREE (3) WORKING DAYS PRIOR TO THE OPENING OF ANY DETOUR.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☐ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

RECORD DRAWING

These record drawings apply only to those facilities constructed under the contract identified in the title block and were taken generally. In part, on the basis of information compiled and furnished by others. Boyle Engineering Corporation will not be responsible for any errors or omissions which have been incorporated into data drawing as a result of the work by others.

26 24800187

INDEX

INDEX

Russell H. Dilsaver 4-27-87

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT	DATE	USER DEPT	DATE

APPROVAL OF REVISIONS

REGISTERED PROFESSIONAL ENGINEER 6739 STATE OF NEW MEXICO JOHNSTON D. SCHERER

Boyle Engineering Corporation
consulting engineers

PROJECT NUMBER: 2480

APPROVED FOR CONSTRUCTION

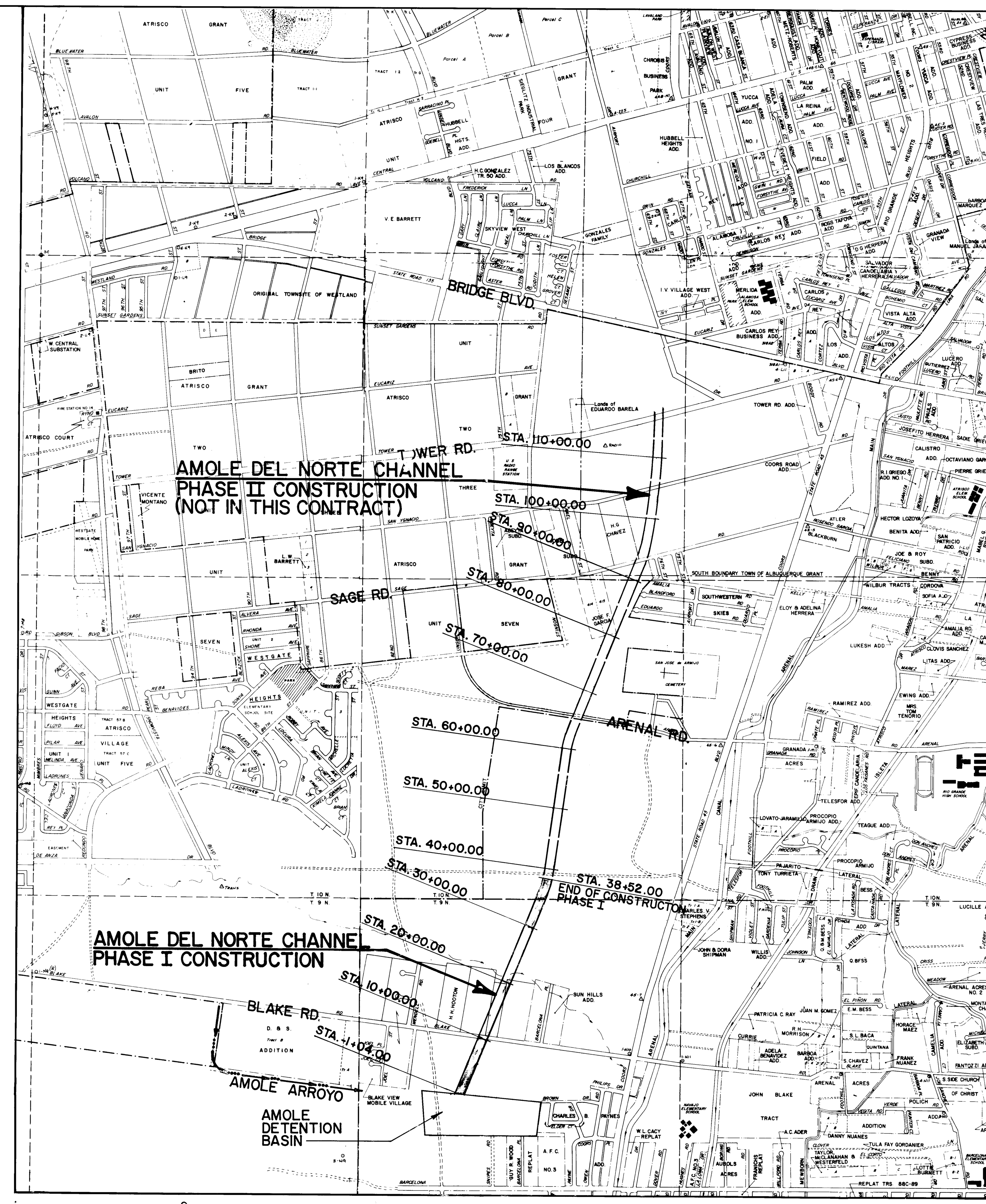
CITY ENGINEER / DATE

PLAN SET No.

SHEET 1 OF 2

LEGEND

Symbol	Description
	CENTERLINE
	SIDE CHANNEL INVERT GRADE
	EXISTING GROUND
—x—x—	EXISTING BARBED WIRE FENCE
	4' HIGH CHAINLINK FENCE
	SLOPE INDICATOR
—R/W—	RIGHT OF WAY
—S—	EXISTING SEWER LINE
—S—	NEW SEWER LINE
—W—	EXISTING WATER LINE
—W—	NEW WATER LINE
	EXISTING SEWER MANHOLE
	NEW SEWER MANHOLE
—OPL—	OVERHEAD POWER LINE
—G—	EXISTING GAS LINE
	NEW STORM DRAIN INLET
	CONDUIT CONNECTION TO CHANNEL
	SIDE INLET
	CHANNEL SIDE SLOPE LADDER
PG	PROFILE GRADE
MH	MANHOLE
DIP	DUCTILE IRON PIPE
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
VCP	VITRIFIED CLAY PIPE
CCP	CONCRETE CYLINDER PIPE
—P—	PROPERTY LINE



LOCATION MAP

SCALE: 1" = 1000'

750 250 0 500 2000
1000 500 0 1000

RECORD DRAWING

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26 24800287

AS BUILT INFORMATION	
CONTRACTOR	
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS

AMOLE DEL NORTE DATUM + 0.32 FT.
= ACS DATUM (1929 MSLD)

ACS N.M. 45-7A : BRASS CAP LOCATED IN ROADWAY @ ℄ BLAKE RD. 42.3' WEST FROM ℄ COORS ROAD. EL. = 4953.487'

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY TDS	DATE 12/85
DRAWN BY GA/PG	DATE 12/85
CHECKED BY RLG/TDS	DATE 12/85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

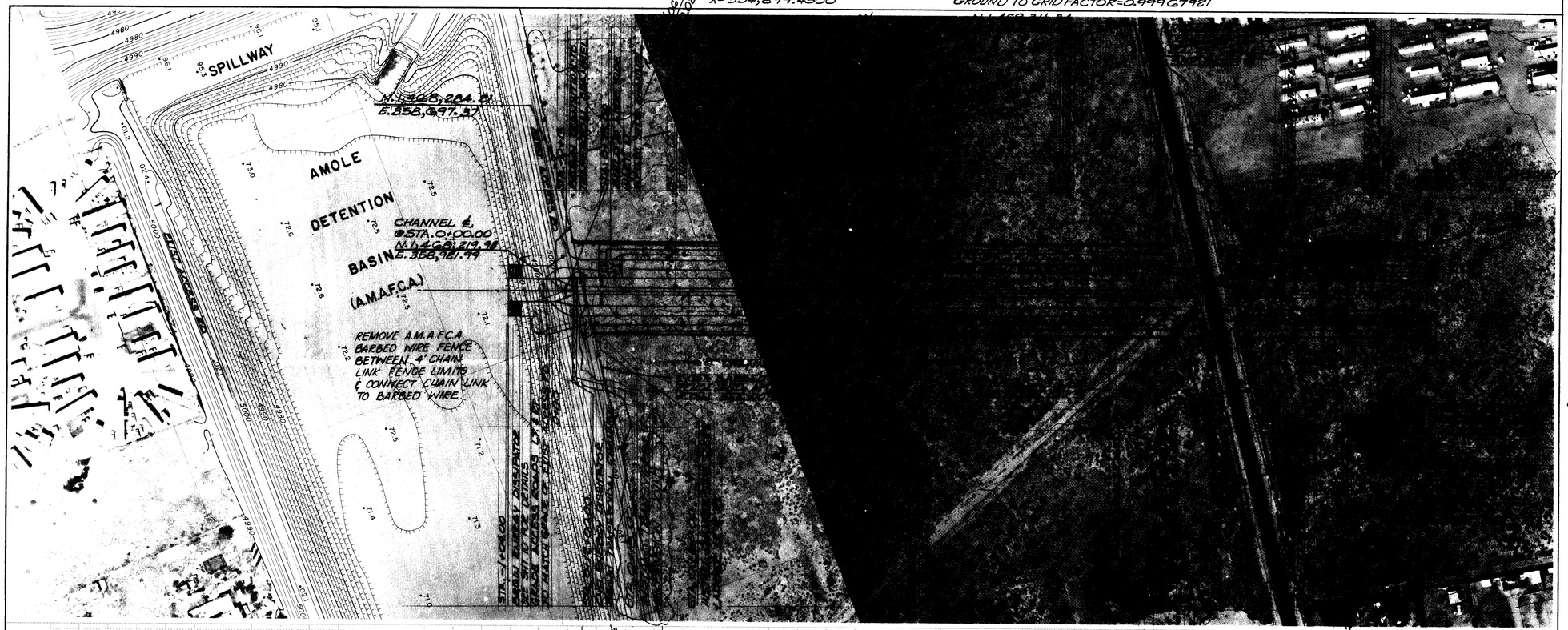
TITLE: **LOCATION MAP & LEGEND**

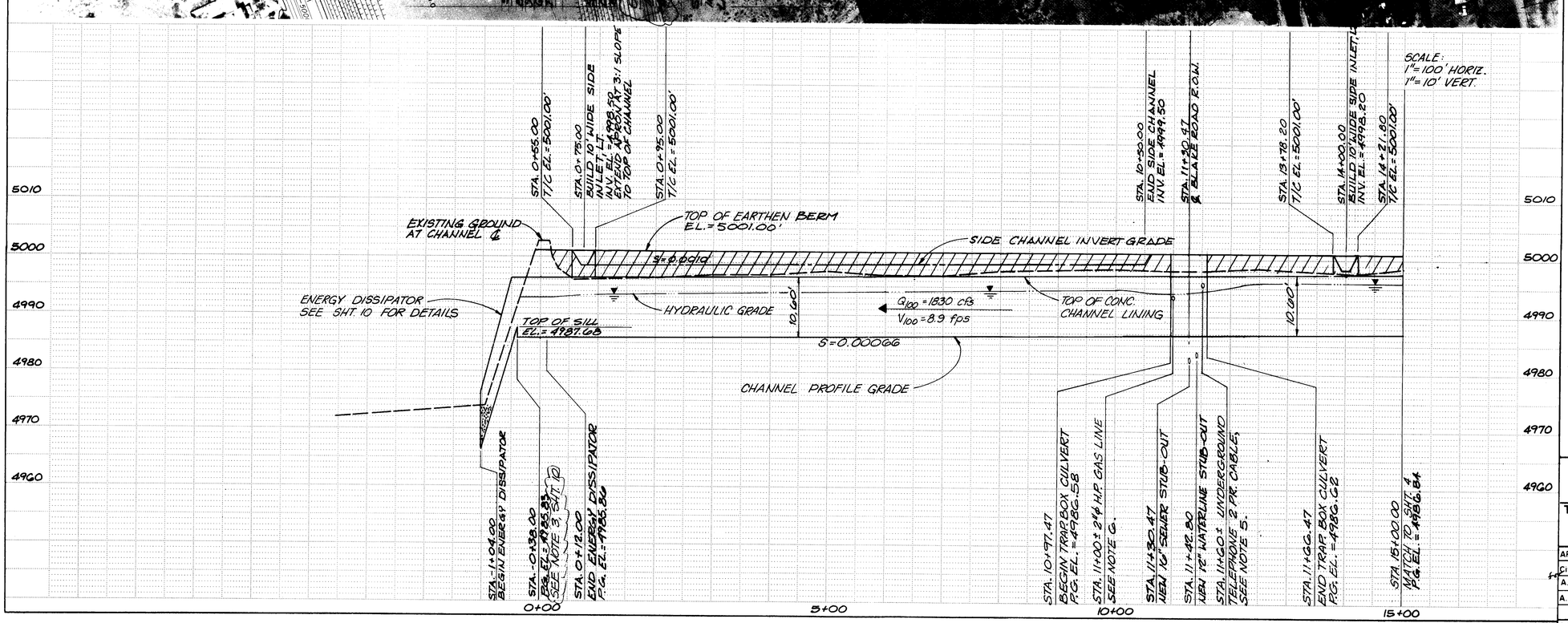
AMOLE DEL NORTE STORM DIVERSION FACILITY

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[signature]	2/10/86	Liquid Waste	[signature]	1/22/86
A.C.E.-Design	[signature]	1/28/86	Traffic	D.A. Parks	1/22/86
A.C.E.-Hydrology	K.K. Goyal	1/22/86	Water	[signature]	1/22/86

DRAWING NO.	MAP NO.	SHEET	OF
2480	N-10	2	21

C.O.A. BRASS CAP "TRANS 1969" NMSPCS (CENTRAL ZONE) X=354,899.4500 Y=1,471,822.6700 Δα=-0°-16'-42" GROUND TO GRID FACTOR=0.999677921





NOTES:

1. NO CONSTRUCTION WILL BE ALLOWED WITHIN THE AMAFCA R.O.W. FROM MAY 15 TO OCTOBER 15. NO PORTION OF THE CONSTRUCTION WITHIN THIS AREA MAY BE LEFT UNCOMPLETED DURING THIS PERIOD.
2. A.M.A.F.C.A. = ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY.
3. COORDINATES, DISTANCES, AND BEARINGS ARE REFERENCED TO THE NEW MEXICO STATE PLANE SYSTEM (CENTRAL ZONE). GROUND DISTANCES CAN BE OBTAINED BY DIVIDING THE REPORTED GRID DISTANCES SHOWN ON THE DRAWINGS BY THE CONVERSION FACTOR 0.999677785.
4. LIMIT OF PAYMENT FOR STRUCTURAL EXCAVATION FOR THE BLAKE ROAD TRAPEZOIDAL BOX CULVERT IS STA. 10+94.47 TO STA. 11+66.47.
5. EXISTING UNDERGROUND TELEPHONE 200 PR CABLE TO BE LOWERED BY UTILITY OWNER.
6. EXISTING 2"ϕ H.P. GAS LINE TO BE LOWERED BY UTILITY OWNER.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS.

AMOLE DEL NORTE DATUM + 0.32 FT. = ACS DATUM (1929 MSLD)

VERTICAL CONTROL POINT "AMOLE 8"
EL. = 4997.11' AMOLE DATUM
EL. = 4997.43' ACS DATUM

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTORS — DATE
FIELD CHANGE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

ENGINEER'S SEAL

NEW MEXICO REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR No. 4739 ROBERT L. THORNTON, P.E.

NO.	DATE	REMARKS	BY
2	12-85	CORRECTED TEL. CABLE SIZE	TDS
1	4-28-86	MOVED EXP. JT. @ NORTH	TDS

REVISIONS

DESIGNED BY TWP — DATE 12/85
DRAWN BY GA/SH/MM — DATE 12/85
CHECKED BY RLG/TDS — DATE 12/85

RECORD DRAWING

These record drawings apply only to those facilities constructed under the contract identified in the title block and have been prepared, in part, on the basis of information compiled and furnished by others. Bohannan Engineering Corporation will not be responsible for any errors or omissions which have been incorporated into this drawing as a result of the work by others.

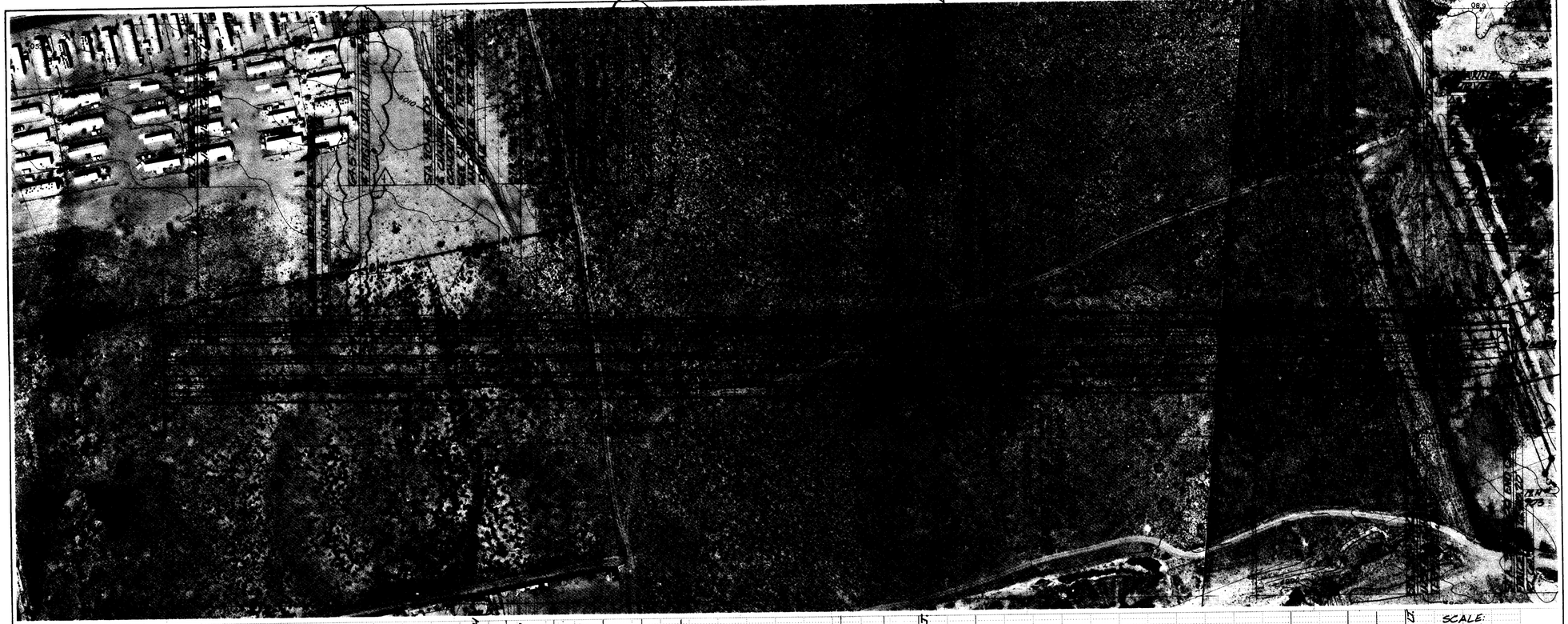
1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 4 8 0 0 3 8 7

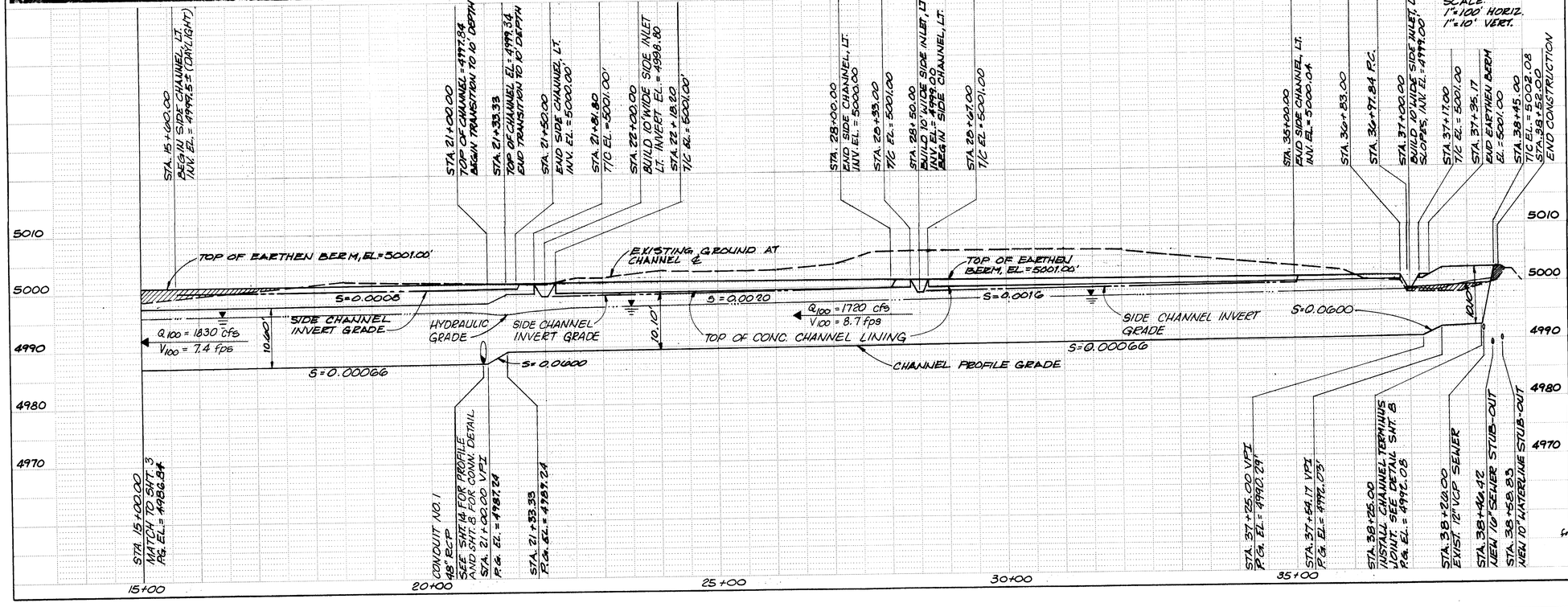
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **CHANNEL PLAN & PROFILE**
STA. -1+04.00 TO STA. 15+00.00
AMOLE DEL NORTE STORM DIVERSION FACILITY

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		2/10/86	Liquid Waste		1/22/86
A.C.E.-Design		1/22/86	Traffic		1/22/86
A.C.E.-Hydrology	K.K. Loyal	1/22/86	Water		1/22/86

DRAWING NO. 2480 | MAP NO. N-10 | SHEET 3 OF 21





SCALE:
1"=100' HORIZ.
1"=10' VERT.

NOTES:

1. FILL EXISTING DEPRESSION AND GRADE AREA TO DIRECT DRAINAGE TOWARD SIDE CHANNEL INLET.
2. SEE SHEET 15 FOR SEWER RELOCATION PLAN AND PROFILE.
3. COORDINATES, DISTANCES, AND BEARINGS ARE REFERENCED TO THE NEW MEXICO STATE PLANE SYSTEM (CENTRAL ZONE). GROUND DISTANCES CAN BE OBTAINED BY DIVIDING THE REPORTED GRID DISTANCES SHOWN ON THE DRAWINGS BY THE CONVERSION FACTOR 0.999677785.

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY — DATE
INSPECTORS
FIELD TOLERANCE BY — DATE
VERIFICATION BY
CORRECTIONS MADE — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

BENCH MARKS

THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS:

AMOLE DEL NORTE DATUM + 0.32 FT. = ACS DATUM (1929 MSLD)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

PROFESSIONAL ENGINEER — GARY L. OLSEN — No. 4739 — STATE OF NEW MEXICO

NO.	DATE	REVISIONS	DESIGNED BY	TWP	DATE 12/85
1	5-1-86	OMIT FENCE ON LT. BET. STA. 22+41 & 35+30	DRAWN BY	GA/SH/MM	DATE 12/85
		REMARKS	CHECKED BY	RLG/TDS	DATE 12/85

RECORD DRAWING

These record drawings apply only to those facilities constructed under this contract identified in the title block and have been prepared, in part, on the basis of information furnished by others. New Mexico Electric Cooperative will not be responsible for the accuracy of omissions which have been incorporated into this drawing as a result of the work by others.

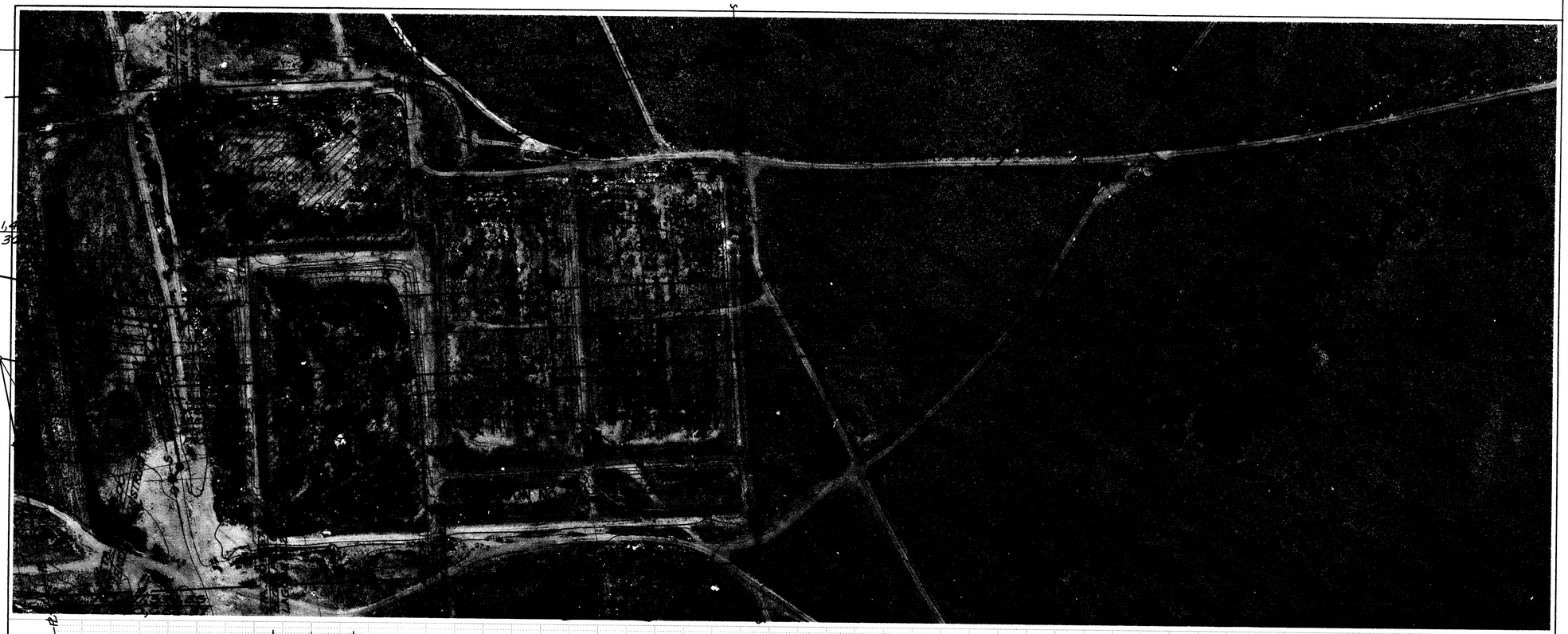
1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 4 8 0 0 4 8 7

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **CHANNEL PLAN & PROFILE**
STA. 15+00.00 TO STA. 38.+00.00
AMOLE DEL NORTE STORM DIVERSION FACILITY

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		1/10/86	Liquid Waste		1/22/86
A.C.E. - Design		1/21/86	Traffic N/A		1/22/86
A.C.E. - Hydrology		1/22/86	Water		1/22/86

DRAWING NO. 2480 | MAP NO. N-10 | SHEET 4 OF 21



NOTES:

1. COORDINATES, DISTANCES, & BEARINGS ARE REFERENCED TO THE NEW MEXICO STATE PLANE SYSTEM (CENTRAL ZONE). GROUND DISTANCES CAN BE OBTAINED BY DIVIDING THE REPORTED GRID DISTANCES SHOWN ON THE DRAWINGS BY THE CONVERSION FACTOR 0.999677785.
2. EARTHWORK VOLUMES WERE COMPUTED USING A 30% SHRINKAGE FACTOR. IF ACTUAL FIELD SHRINKAGE DIFFERS, AN EARTHWORK BALANCE FOR THIS PROJECT MAY BE ACHIEVED BY ADJUSTING THE FILL ELEVATION OF LAGOON NO. 2.
3. CLEARED AND GRUBBED VEGETABLE MATTER SUCH AS TREES, TREE STUMPS, LOGS, ROOTS, DOWNED TREES, BRUSH, GRASS AND WEEDS SHALL BE STORED FOR USE AS MULCH FOR SLOPE STABILIZATION SEEDING OPERATIONS. THE CONTRACTOR MAY STORE THE MATERIAL AT ANY LOCATION WITHIN THE PROJECT RIGHT-OF-WAY OR CONSTRUCTION EASEMENT, INCLUDING LAGOONS NO. 1 THRU 6. DELETERIOUS MATERIAL FOUND WITHIN THE LIMITS OF CLEARING AND GRUBBING, SUCH AS TRASH, TIRES, CONCRETE AND OTHER NON-VEGETABLE MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED LAND FILL.

SCALE:
1"=100' HORIZ.
1"=10' VERT.

STATION 42+00

STATION 41+00

STATION 40+00

STATION 39+00

STATION 46+00

STATION 45+00

STATION 44+00

STATION 43+00

NOTE: FILL PLACEMENT BEYOND STA: 43+00 WILL BE ACCOMPLISHED DURING PHASE II CONSTRUCTION.

STATION 49+00

STATION 48+00

STATION 47+00

AS BUILT INFORMATION

CONTRACTOR

WORK STARTED BY DATE

INSPECTOR'S ACCEPTANCE BY DATE

VERIFICATION BY DATE

DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO

BENCH MARKS

THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS:

AMOLE DEL NORTE DATUM + 0.32 FT. = ACS DATUM (1929 MSLD)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR No. 4739 STATE OF NEW MEXICO THORNTON D. SWEARINGEN

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 12/85
DESIGNED BY	TWP		
DRAWN BY	PG/MM		DATE 12/85
CHECKED BY	RLG/TDS		DATE 12/85

RECORD DRAWING

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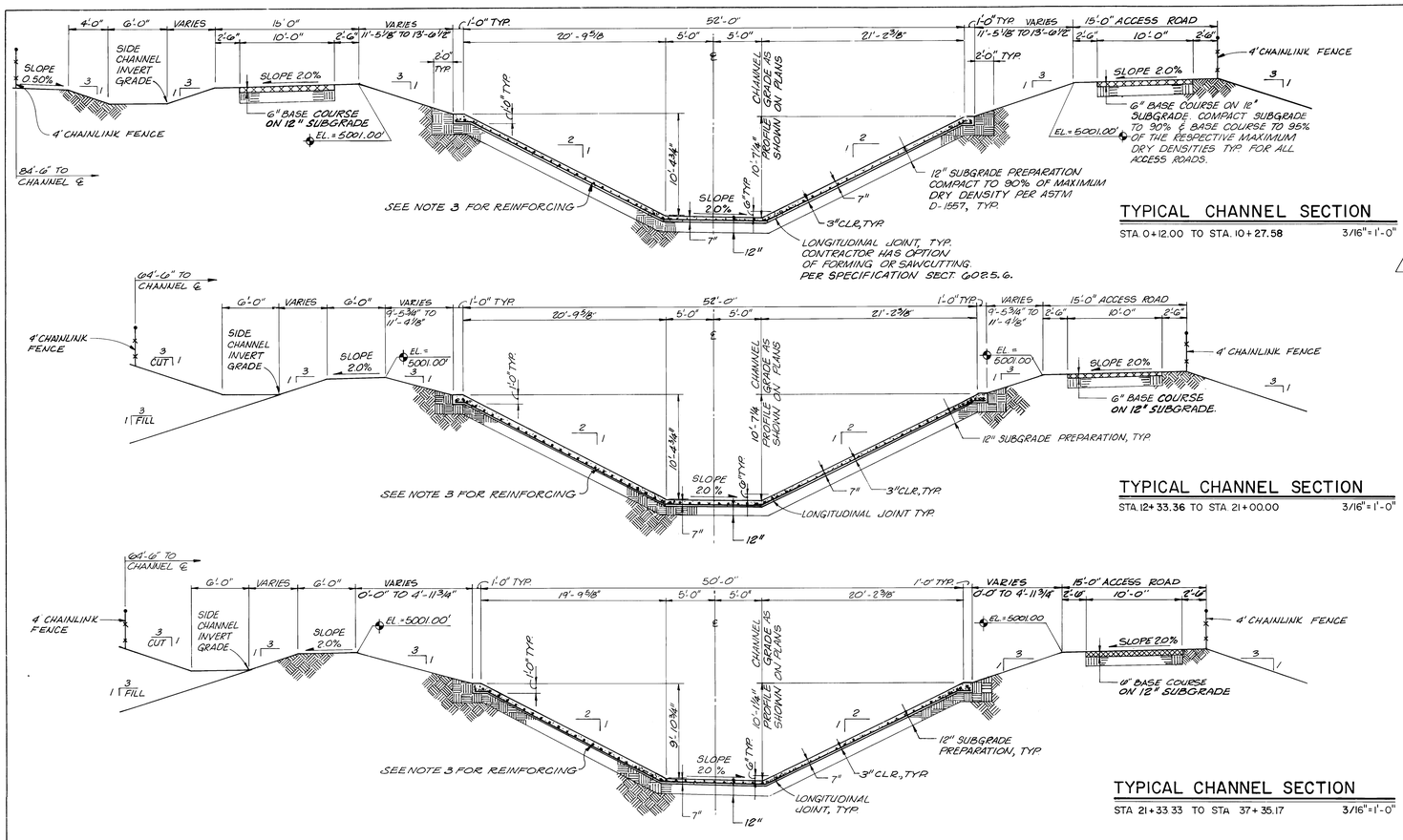
26 24800587

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SPOIL AREA GRADING
CHANNEL STA. 38+00.00 TO STA. 50+00.00
AMOLE DEL NORTE STORM DIVERSION FACILITY

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		2/6/86	Liquid Waste		1/22/86
A.C.E.- Design		1/28/86	Traffic	N/A	1/22/86
A.C.E.- Hydrology	K. K. Engel	1/22/86	Water		1/22/86

DRAWING NO.	MAP NO.	SHEET	OF
2480	M-10	5	21



TYPICAL CHANNEL SECTION

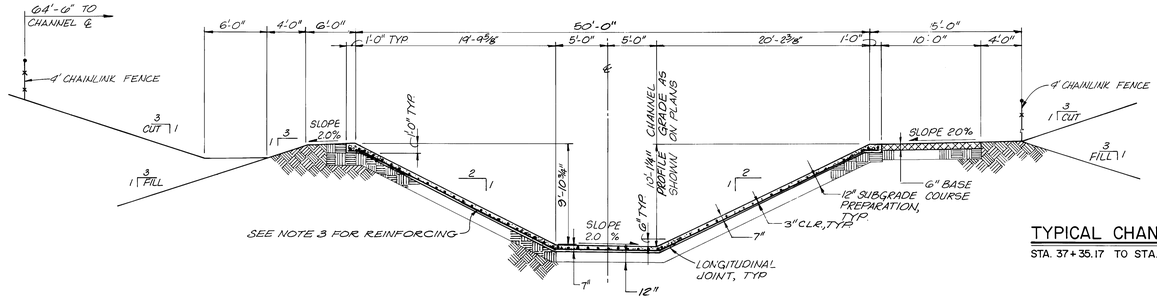
STA. 0+12.00 TO STA. 10+27.58 3/16"=1'-0"

TYPICAL CHANNEL SECTION

STA. 12+33.36 TO STA. 21+00.00 3/16"=1'-0"

TYPICAL CHANNEL SECTION

STA 21+33.33 TO STA 37+35.17 3/16"=1'-0"



TYPICAL CHANNEL SECTION

STA. 37+35.17 TO STA. 38+25.00 3/16"=1'-0"

NOTES:

1. AT TRANSITION TO AND FROM BLAKE ROAD TRAPEZOIDAL BOX CULVERT MAINTAIN 10'-0" CHANNEL DEPTH AND VARY THE SIDE SLOPE.
2. SEE CROSS-SECTION SHEETS FOR RIGHT-OF-WAY LOCATIONS WITH RESPECT TO CHANNEL CENTERLINE.
3. REINFORCE CONCRETE CHANNEL LINING WITH GRD 40 NO. 5 BARS @ 16" O.C. TRANSVERSE AND NO. 6 BARS @ 12" O.C. LONGITUDINAL BARS @ 12" O.C. LONGITUDINAL.
4. ALL FILL MATERIAL PLACED FOR AN EMBANKMENT SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DRY DENSITY PER ASTM D-1557 UNLESS SPECIFIED OTHERWISE.
5. 6" BASE COURSE SURFACING SHALL BE CLASS I OR CLASS II IN ACCORDANCE WITH SECTION 302 OF THE STANDARDS SPECIFICATIONS.
6. TYPICAL CHANNEL SECTION FROM STA. 21+33.33 IS SIMILAR TO ADJACENT CHANNEL SECTIONS UPSTREAM & DOWNSTREAM. VARY DEPTH OF CONCRETE CHANNEL LINING & RELATED DIMENSIONS LINEARLY WITHIN THE TRANSITION.

RECORD DRAWING

26 24800687

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS
AMOLE DEL NORTE DATUM + 0.32 FT.
= ACS DATUM (1929 MSL D)

AS BUILT INFORMATION
CONTRACTOR DATE
FIELD CHECKED BY DATE
INSPECTED BY DATE
FIELD REVISIONS BY DATE
DRAWINGS BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER No. 4239 NEW MEXICO THOMAS L. D'ANTONIO

NO.	DATE	REVISIONS	BY
1	4-12-86	CLARIFIED EMBANKMENT NOTE REMARKS FOR FILL	TDS

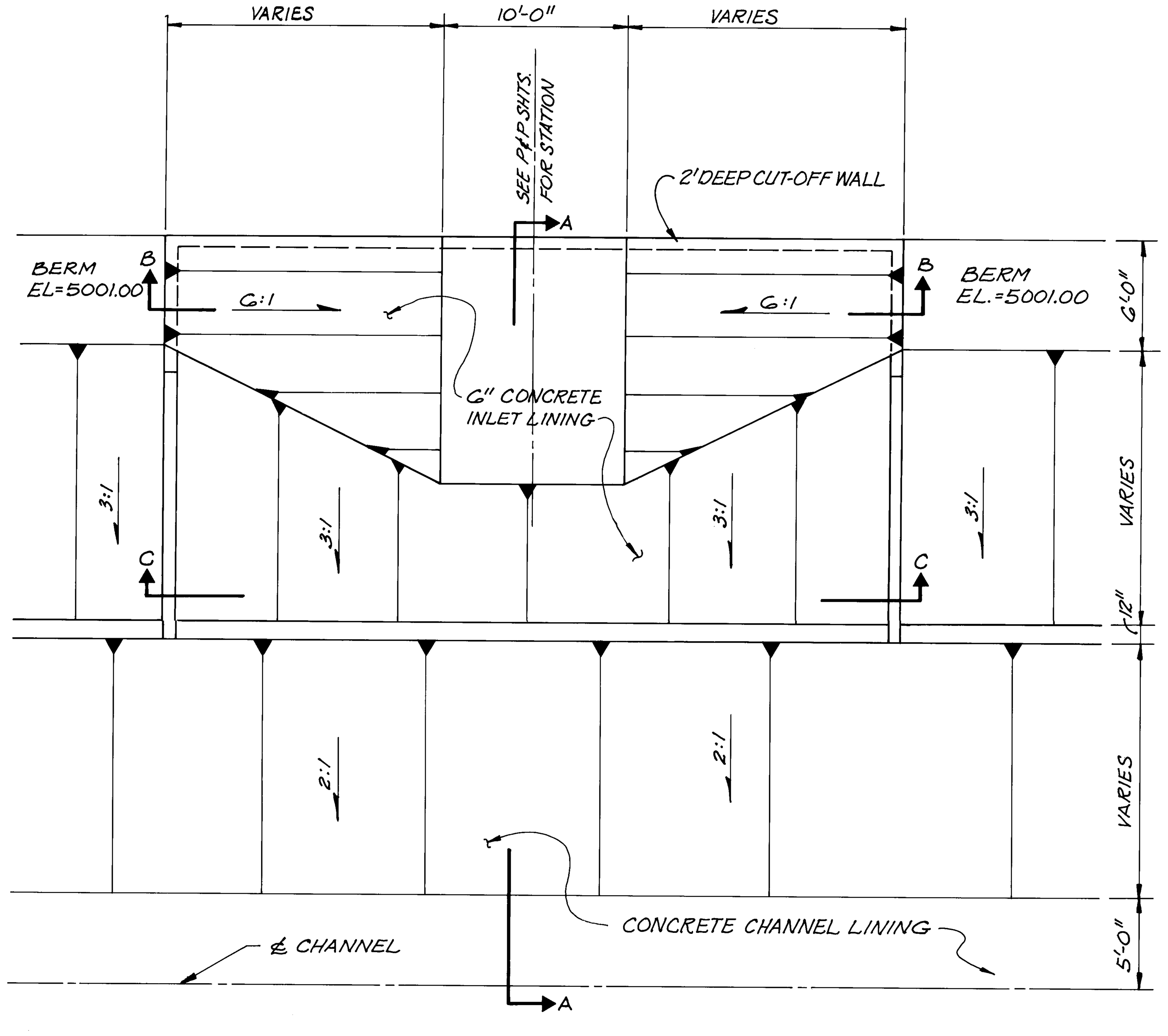
DESIGNED BY TWP DATE 12/85
DRAWN BY SH DATE 12/85
CHECKED BY RLG/TDS DATE 12/85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: TYPICAL CHANNEL SECTIONS
AMOLE DEL NORTE STORM DIVERSION FACILITY

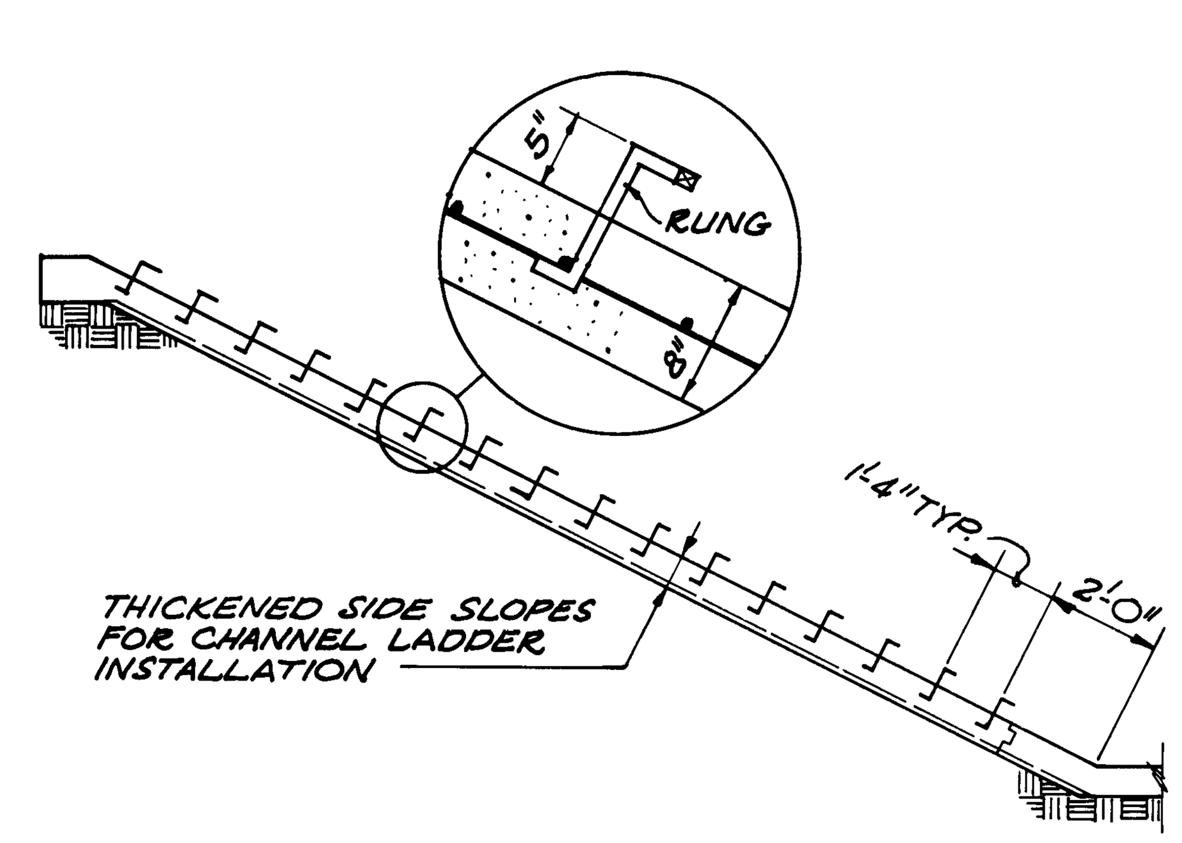
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		2/20/86	Liquid Waste		1/22/86
A.C.E.-Design		1/22/86	Traffic		1/22/86
A.C.E.-Hydrology		1/22/86	Water		1/22/86

DRAWING NO. 2480 MAP NO. SHEET 6 OF 21



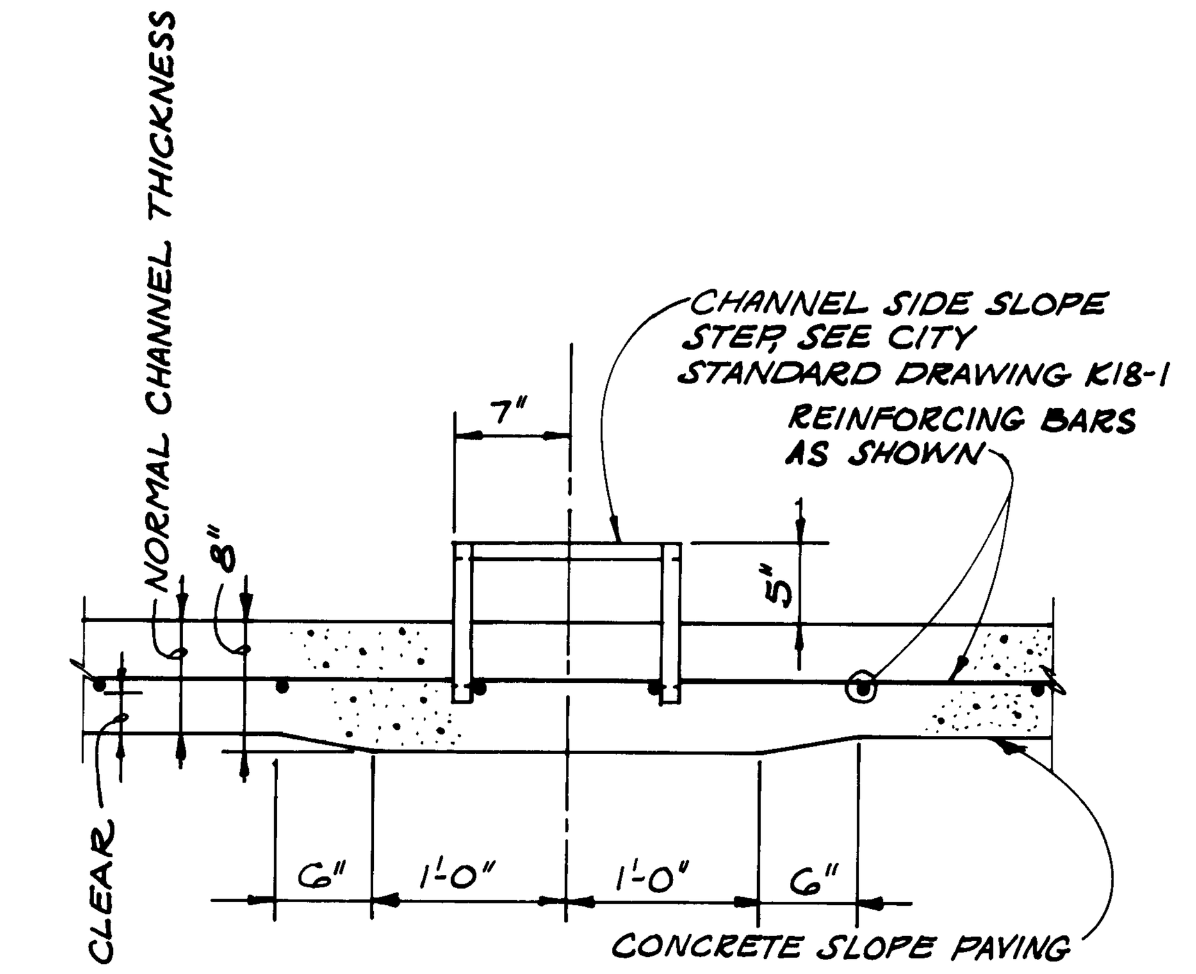
TYPICAL SIDE INLET DETAIL

3/16"=1'-0"



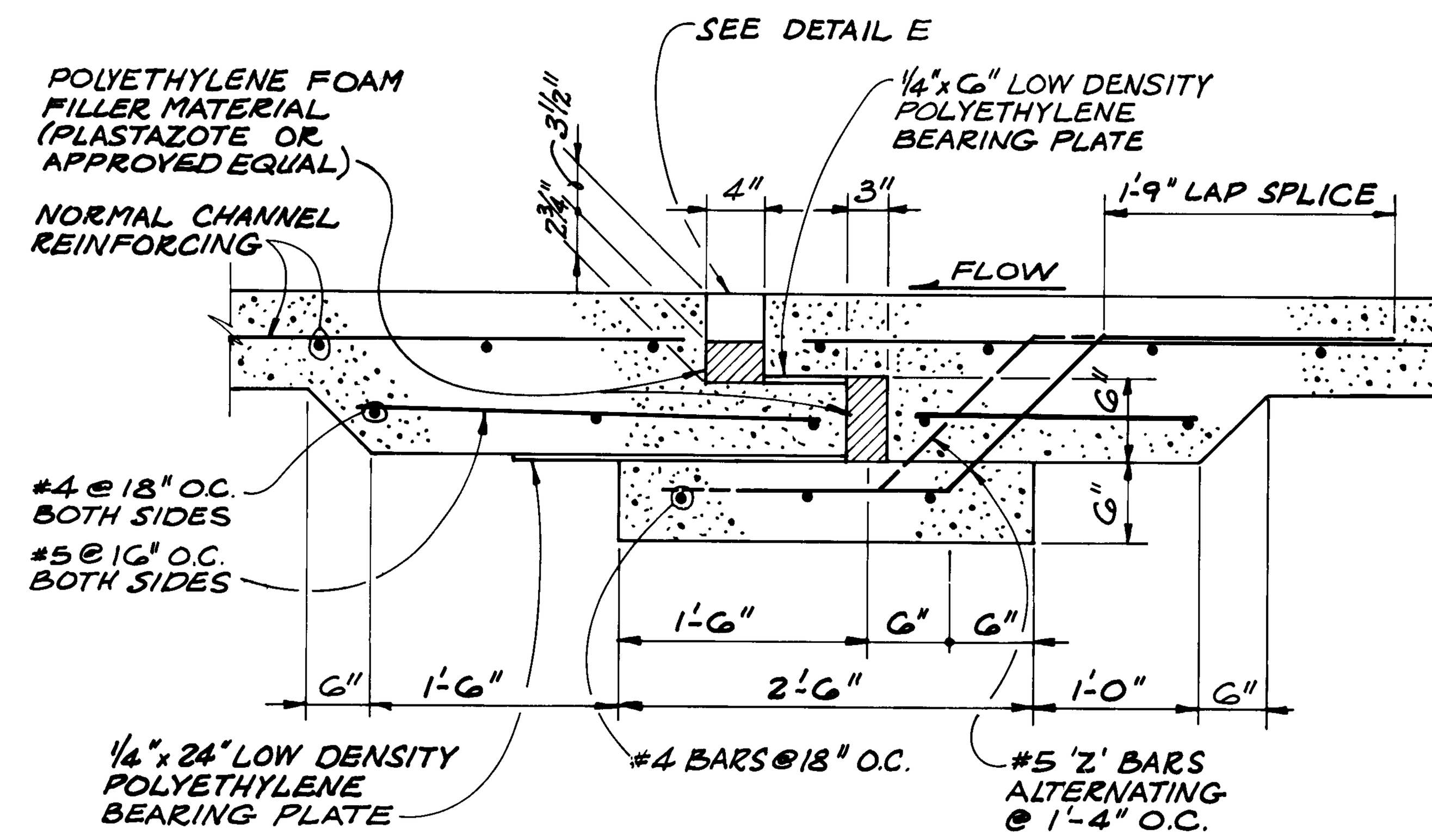
CHANNEL SIDESLOPE LADDER DETAILS

1/4" = 1'-0"



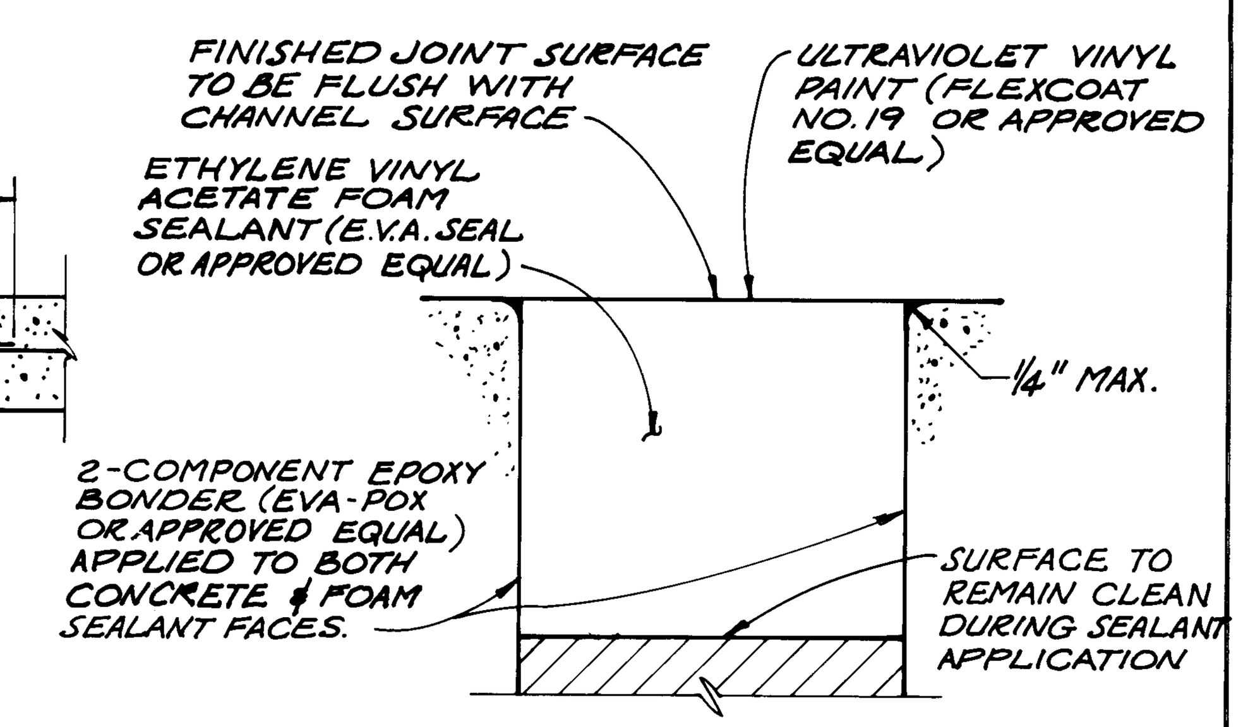
DETAIL D

1" = 1'-0"



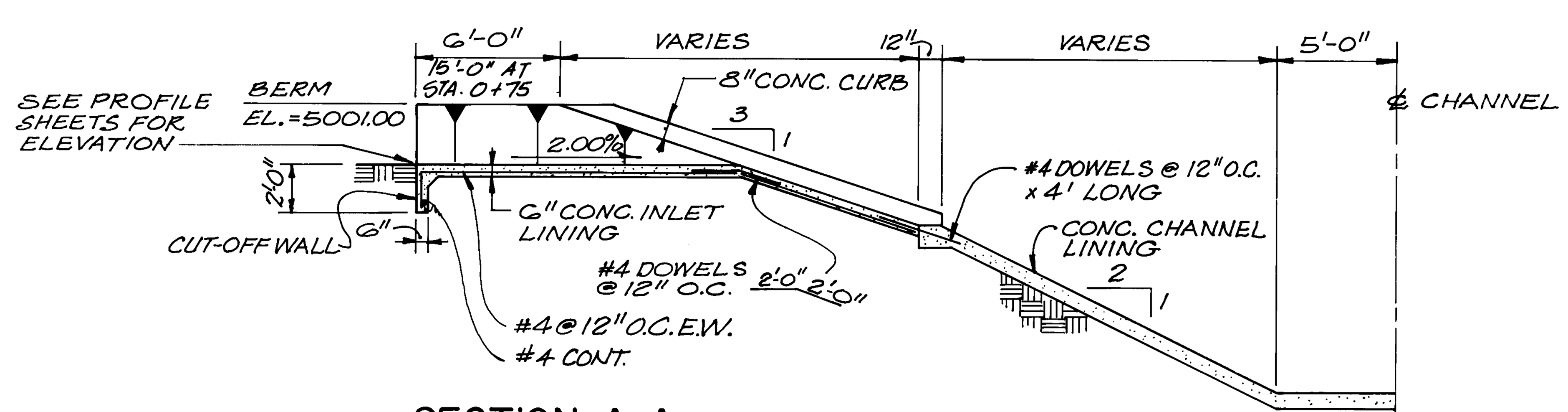
TYPICAL TRANSVERSE EXPANSION JOINT

1" = 1'-0"



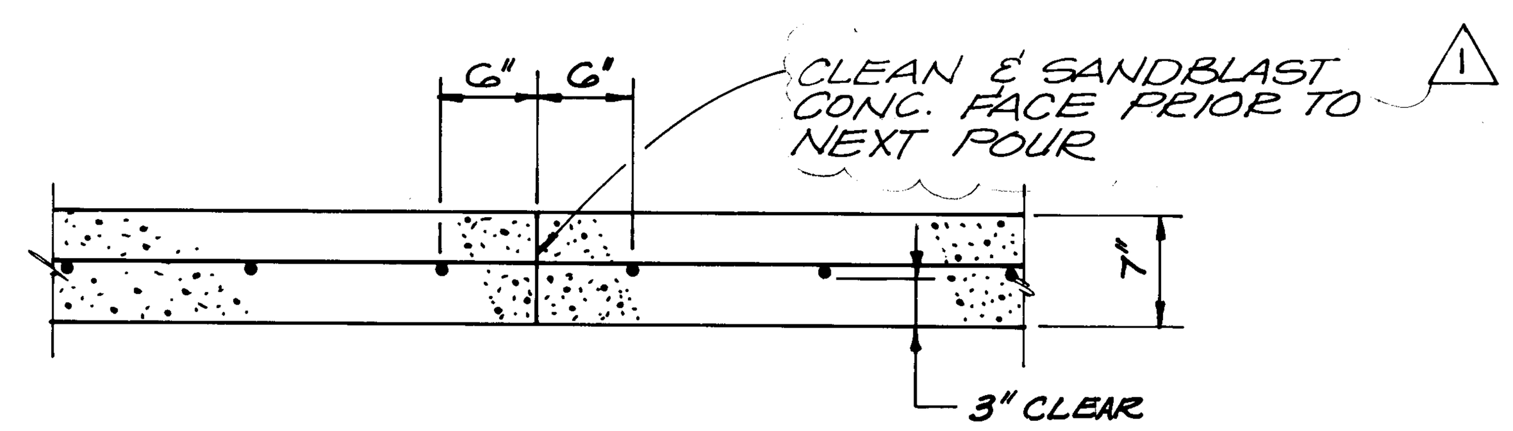
DETAIL E

N.T.S.



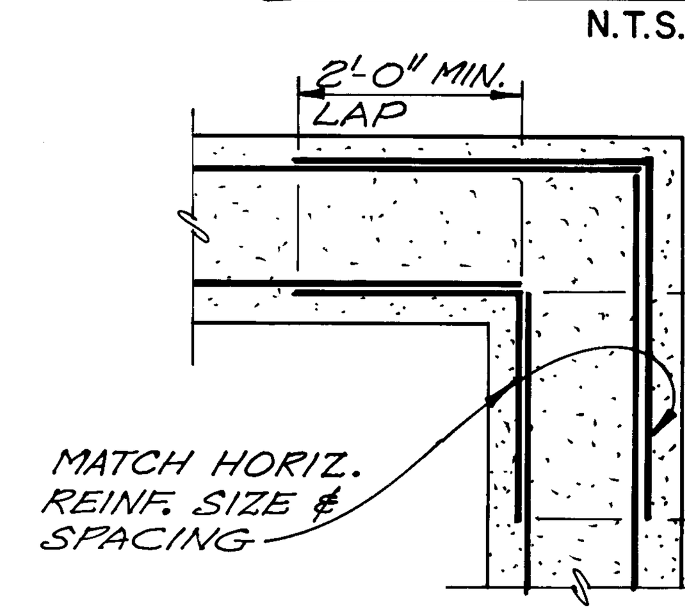
SECTION A-A

SIDE INLET WITH INVERT ABOVE TOP OF CHANNEL 3/16"=1'-0"



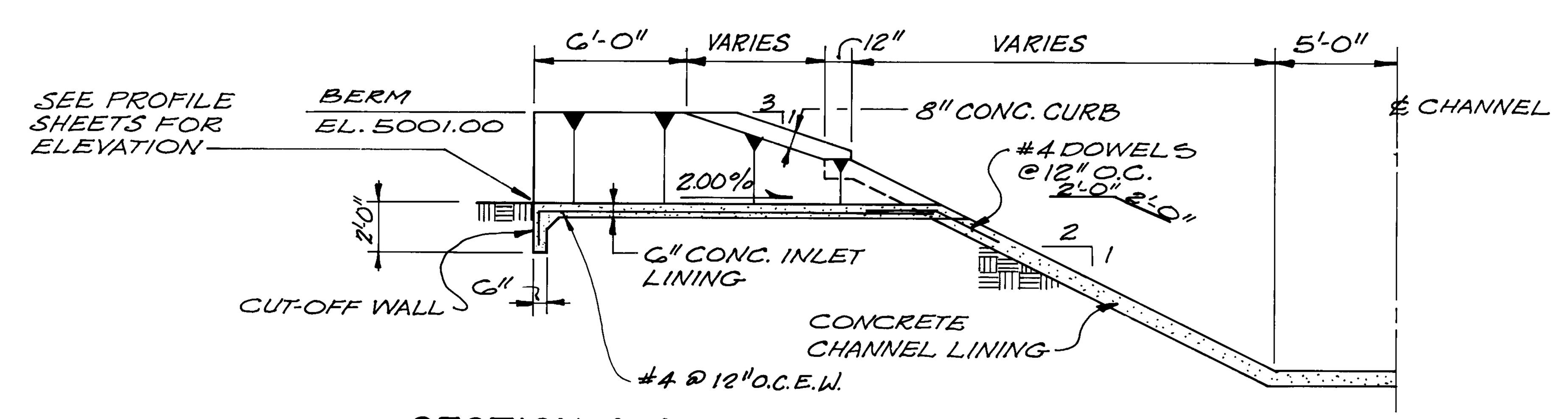
CONSTRUCTION JOINT DETAIL

AS REQUIRED BY CHANNEL CONSTRUCTION 1" = 1'-0"



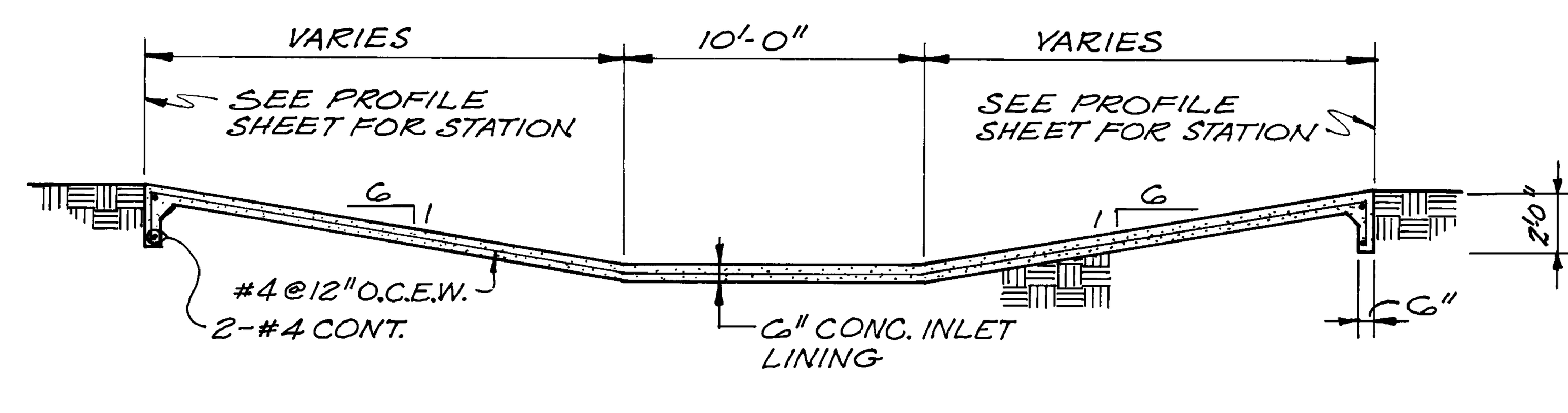
TYPICAL CORNER REINFORCING

N.T.S.



SECTION A-A

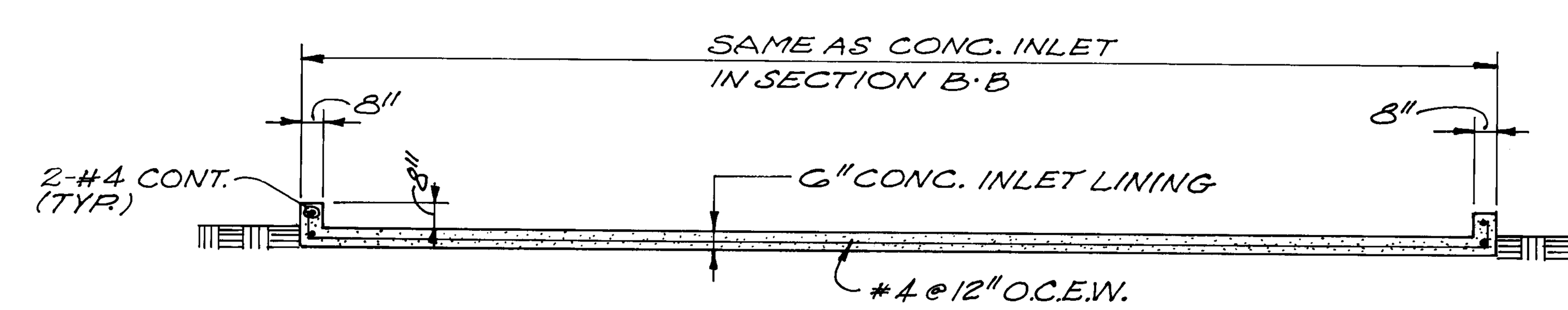
SIDE INLET WITH INVERT BELOW TOP OF CHANNEL 3/16"=1'-0"



SECTION B-B

3/16"=1'-0"

TYP. SPLICE LENGTHS FOR LONGITUDINAL CHANNEL REINFORCING		
BAR SIZE	2" CHANNEL LINING & BOX CULVERT 30 BAR DIA.	ENERGY DISSIPATOR 40 BAR DIA.
#5	1'-7"	2'-1"
#6	1'-11"	2'-6"
#7	2'-2"	2'-11"



SECTION C-C

3/16"=1'-0"

EXPANSION JOINT CONSTRUCTION NOTES

1. Compact sleeper subgrade to 90% per ASTM D 1557.
2. Pour sleeper with Z-bar reinforcement extending above slab. Steel trowel bearing plate surface only.
3. Compact subgrade and form downstream portion of joint. Construction joints may be installed a min. of 5 feet upstream and downstream of joint centerline. Place lower bearing plate and downstream reinforcing and make downstream pour. Steel trowel upper bearing plate surface.
4. Compact subgrade and form upstream portion of joint. Place reinforcing steel, upper bearing plate, and upper and lower foam filler material. Upper bearing plate must be parallel to lower bearing plate. Do not anchor foam filler material with nails or bonding agent, but keep flush with poured downstream section. Block out foam sealant notch, clean exposed sleeper surface and make upstream pour.
5. When upstream and downstream concrete has reached a min. of 80% design strength or after a minimum of seven days has elapsed since concrete was poured, remove sealant notch form, sand blast vertical surfaces and blow all debris from notch. Apply Epoxy bonder to both vertical concrete faces and to both sides of foam sealant material. Immediately compress foam sealant into notch. Remove bonder from top surface of sealant material, but do not clean bonder bead along edges.
6. If sealant material extends from 0" to 1/8" above channel flowline, apply ultra violet paint as specified. If sealant material extends from 1/8" to 1/2" above channel flowline, power sand material flush with channel flowline under the direction of the Engineer prior to application of ultra violet paint.
7. Order width for form filler shall be 25% greater than width shown. If laminations are required they shall be in the long dimension.

AS BUILT INFORMATION

CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE BY | DATE
FIELD VERIFICATION BY | DATE
DRAWINGS CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO.

BENCH MARKS

THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS:
AMOLE DEL NORTE DATUM + 0.32 FT.
= ACS DATUM (1929 MSLD)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER, NEW MEXICO, 4739, THORNTON D. ...

NO.	DATE	REMARKS	BY
1	3-28-86	REVISE NOTE ON CONST. JT. TDS	
2	4-28-86	TYP. SPLICE LENGTHS FOR CHANNEL STL. TDS	

REVISIONS

DESIGN		
DESIGNED BY	TWP	DATE 12/85
DRAWN BY	PG	DATE 12/85
CHECKED BY	RLG/TDS	DATE 12/85

RECORD DRAWING

26 24800787

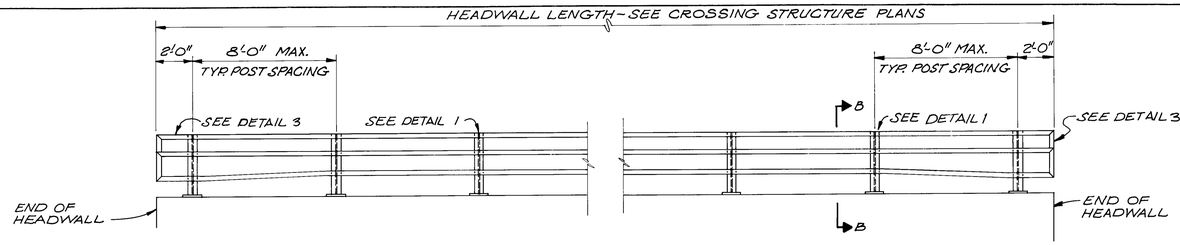
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: TYPICAL CHANNEL DETAILS

AMOLE DEL NORTE STORM DIVERSION FACILITY

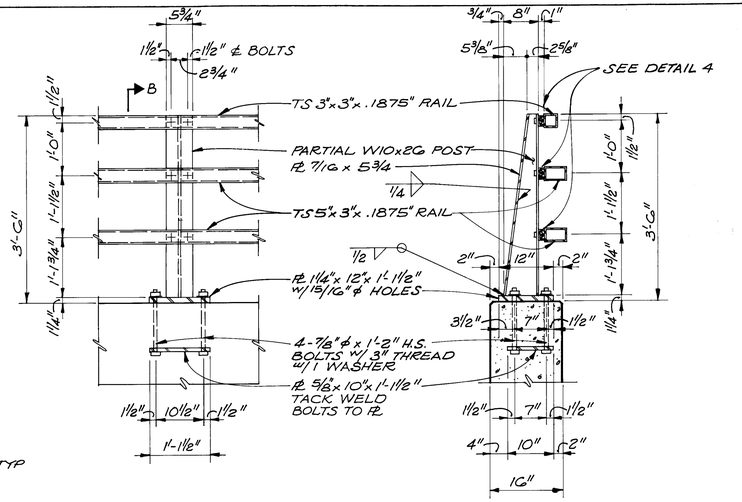
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[signature]	2/10/86	Liquid Waste	[signature]	1/22/86
A.C.E.-Design	[signature]	1/28/86	Traffic N/A	[signature]	1/22/86
A.C.E.-Hydrology	[signature]	1/22/86	Water	[signature]	1/22/86

DRAWING NO. 2480 | MAP NO. | SHEET 7 OF 21



TYPICAL RAILING ELEVATION

1/4" = 1'-0"

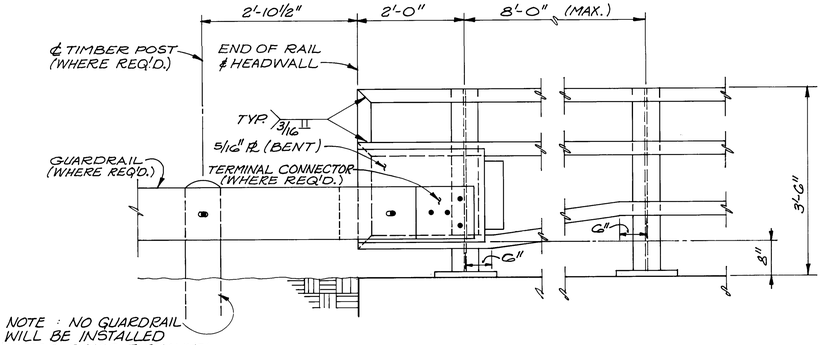


DETAIL 1

3/4" = 1'-0"

SECTION B-B

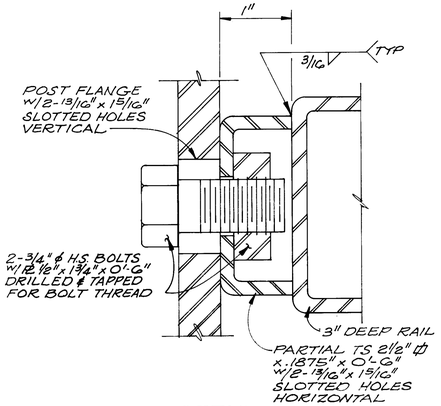
3/4" = 1'-0"



NOTE : NO GUARDRAIL WILL BE INSTALLED UNDER PHASE I CHANNEL CONSTRUCTION. SEE NOTE 2

DETAIL 3 AT END OF HEADWALL

3/4" = 1'-0"

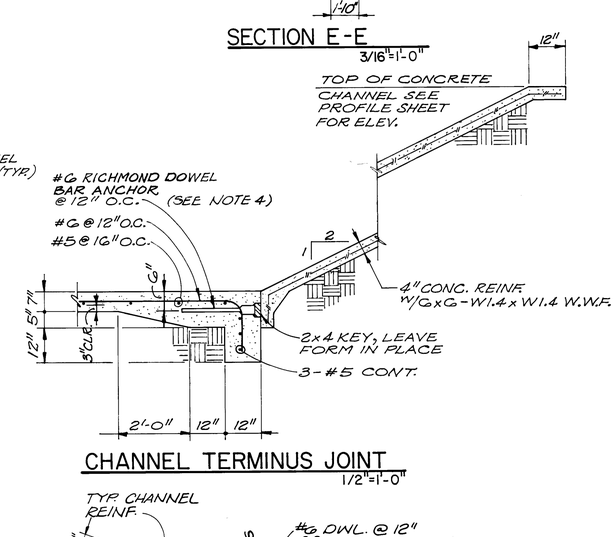


DETAIL 4

FULL SCALE

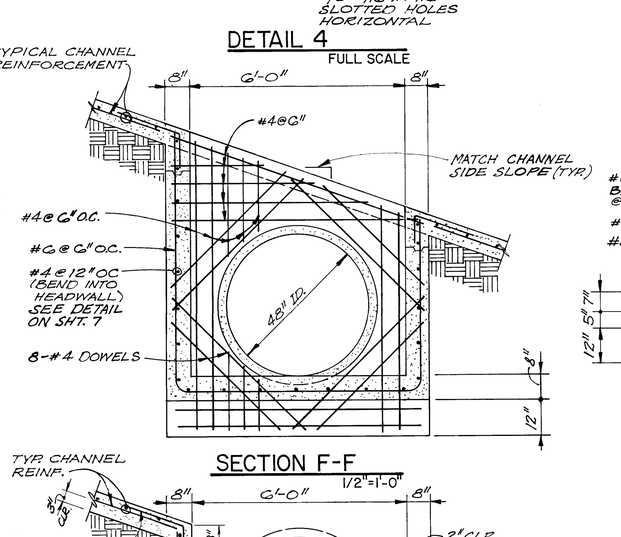
SECTION E-E

3/16" = 1'-0"



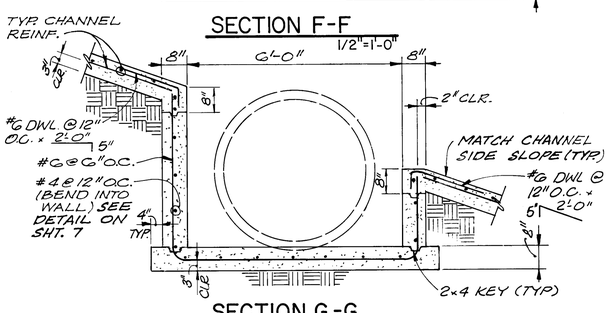
CHANNEL TERMINUS JOINT

1/2" = 1'-0"



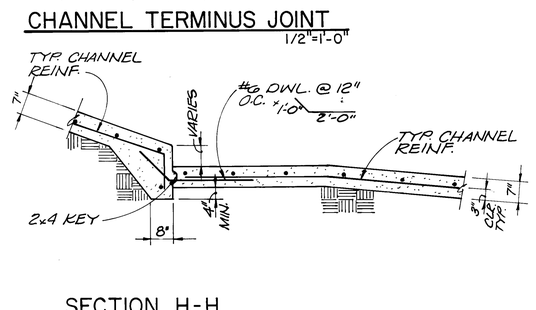
SECTION F-F

1/2" = 1'-0"



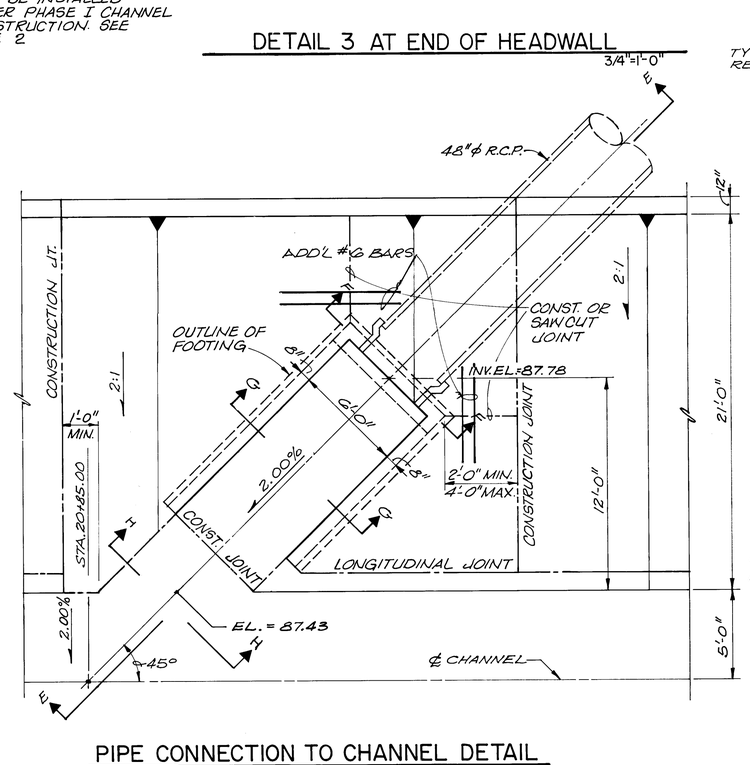
SECTION G-G

1/2" = 1'-0"



SECTION H-H

1/2" = 1'-0"



PIPE CONNECTION TO CHANNEL DETAIL

1/4" = 1'-0"

NOTES:

1. STEEL FOR METAL RAILING SHALL CONFORM TO THE FOLLOWING ASTM STANDARDS UNLESS OTHERWISE DESIGNATED:
   STRUCTURAL STEEL ---------- ASTM A36
   TUBE STEEL ---- ASTM A500 GRADE B, OR ASTM A501
   BOLTS ---------- ASTM A307
   HIGH STRENGTH (H.S.) BOLTS ---------- ASTM A325 OR A490
2. TS RAILING ¢ 5/16" PL (BENT) SHALL BE INSTALLED AT ALL HEADWALL ENDS WHETHER OR NOT GUARDRAIL IS INSTALLED.
3. ALL STEEL METAL RAILING MEMBERS SHALL BE GALVANIZED IN ACCORANCE WITH SECTION 143 OF THE STANDARD SPECIFICATIONS.
4. RICHMOND DOWEL ANCHORS SHALL BE DEFORMED BILLET STEEL, ASTM A615, GRADE 60, AS MANUFACTURED BY RICHMOND SCREEN ANCHOR CO., INC.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

AS BUILT INFORMATION
BENCH MARKS
THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS
AMOLE DEL NORTE DATUM + 0.32 FT
= ACS DATUM (1929 USLD)

	DATE
CONTRACTOR	
WORK STAKED BY	
ASBUILTS PREPARED BY	
FIELD DRAWINGS BY	
CORRECTED BY	
MICRO-FILM INFORMATION	
RECORDED BY	
NO	

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
DESIGN			DATE 12/85
DESIGNED BY		TWP	DATE 12/85
DRAWN BY		PG	DATE 12/85
CHECKED BY		RLG/TDS	DATE 12/85

RECORD DRAWING

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26 24800887

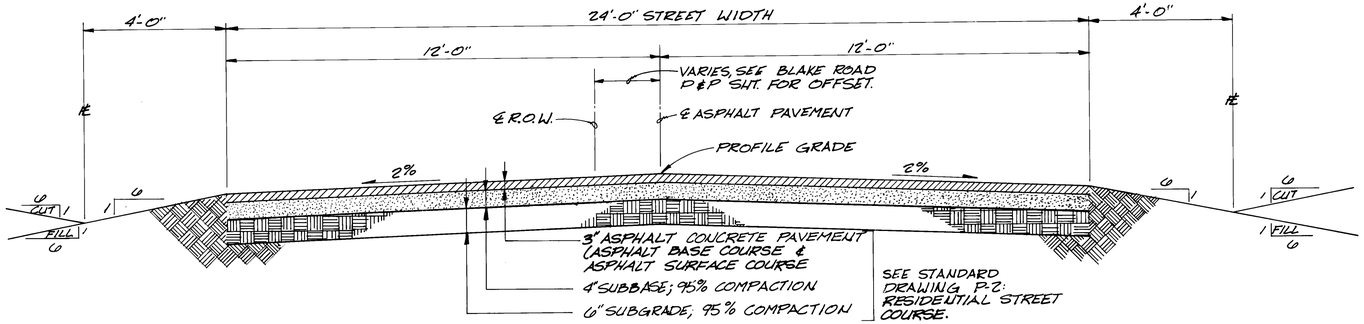
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: TYPICAL CHANNEL DETAILS

AMOLE DEL NORTE STORM DIVERSION FACILITY

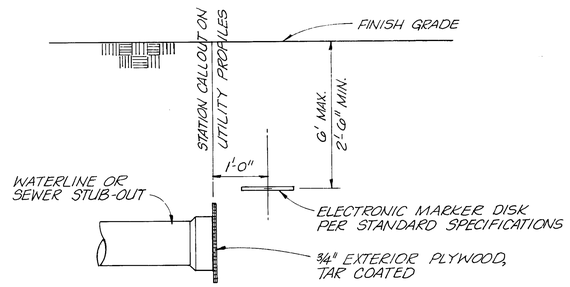
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		2/26/86	Liquid Waste		1/22/86
A.C.E.-Design		1/29/86	Traffic		1/22/86
A.C.E.-Hydrology		1/22/86	Water		1/22/86

DRAWING NO. 2480 | MAP NO. | SHEET 8 OF 21

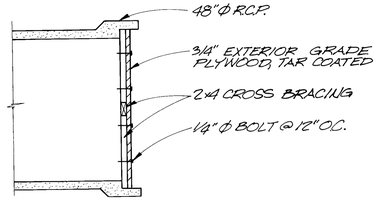


NOTE:
SECTION SHOWN SHALL ALSO BE USED FOR DETOUR PAVING, EXCEPT USE 2" ASPHALT BASE COURSE IN PLACE OF 3" ASPHALT CONCRETE PAVEMENT

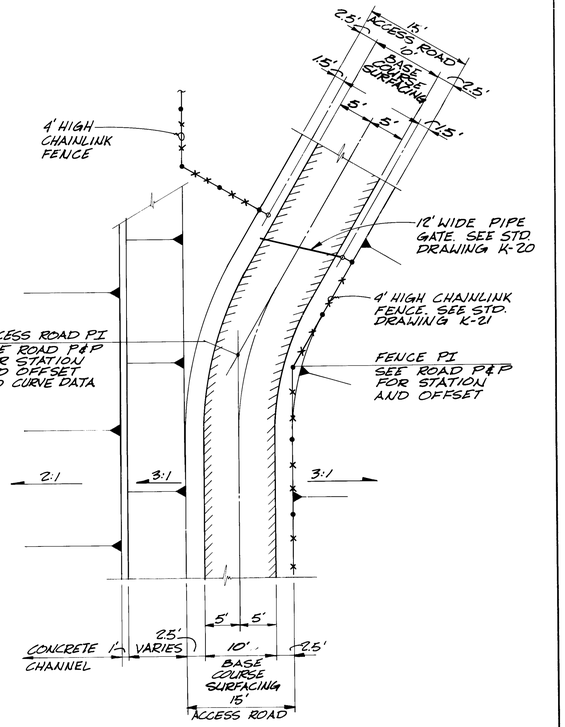
TYPICAL SECTION BLAKE ROAD
N.T.S.



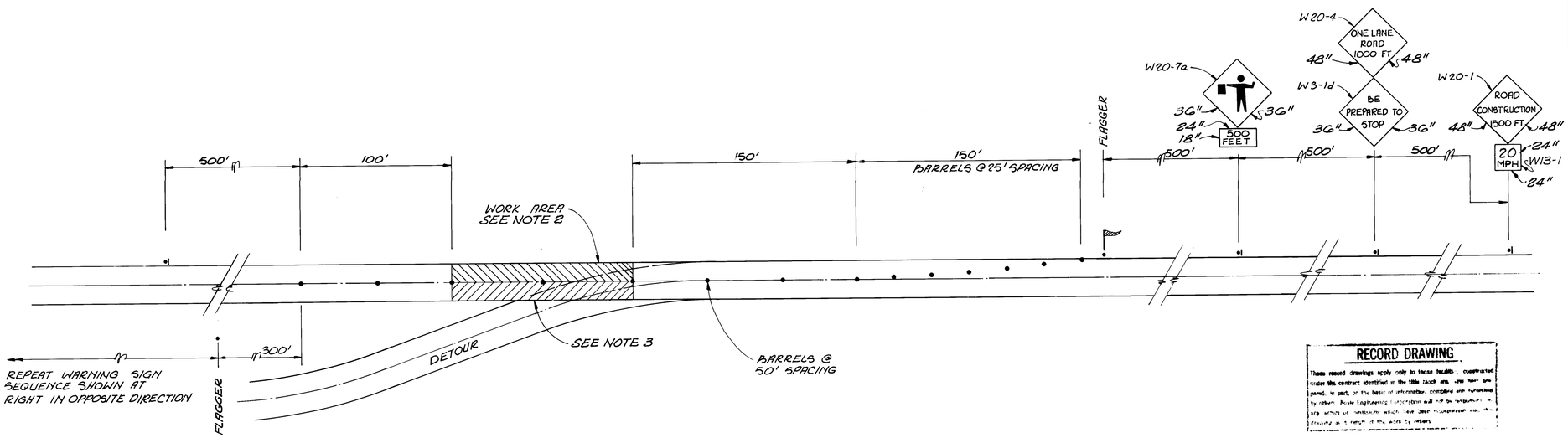
TEMPORARY STUB-OUT PLUG
3/4"= 1'- 0"



TEMPORARY R.C.P. PLUG
1/2"=1'-0"



ACCESS ROAD GATE AND FENCE PLAN
1" = 10'-0"



TYPICAL TRAFFIC CONTROL PLAN
BLAKE ROAD CONSTRUCTION AT DETOUR TIE-IN
1"=40'-0"

RECORD DRAWING
These record drawings apply only to those facilities constructed under the contract identified in the title block and have been prepared, in part, on the basis of information compiled and furnished by others. Professional Engineering Corporation will not be responsible for any errors or omissions which have been incorporated into these drawings as a result of the work by others.

NOTES:

1. DURING CONSTRUCTION OF BLAKE ROAD AT DETOUR TIE-IN, TWO-WAY TRAFFIC SHALL BE RESTORED AT THE END OF EACH DAY.
2. ONE-WAY TRAFFIC SHALL BE ROUTED THROUGH THE DETOUR DURING CONSTRUCTION OF WEST BOUND LANE OF BLAKE ROAD AT EACH DETOUR TIE-IN.
3. ONE-WAY TRAFFIC SHALL BE ROUTED THROUGH THE WEST BOUND LANE OF BLAKE ROAD DURING CONSTRUCTION OF EAST BOUND LANE OF BLAKE ROAD AT EACH DETOUR TIE-IN.
4. FOR TRAFFIC CONTROL PLAN WITHIN THE DETOUR, SEE SHT. 13.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTING AND INSTALLING "IMPENDING CONSTRUCTION" SIGNS, SUBSEQUENT TO THE AWARD OF THE CONTRACT, AND NO LESS THAN SEVEN (7) DAYS PRIOR TO THE FIRST DAY OF EXPECTED CONSTRUCTION WORK. (SEE SPECIAL PROVISIONS OF THE PROJECT SPECIFICATION.).
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE NEWS MEDIA PRIOR TO ANY APPROVED LANE CLOSURES AS INDICATED ON THE PLANS OR AS DIRECTED BY THE CITY TRAFFIC ENGINEER. (SEE SPECIAL PROVISIONS OF THE PROJECT SPECIFICATIONS.).

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

AS BUILT INFORMATION
BENCH MARKS
CONTRACTOR
THE FOLLOWING VERTICAL EQUATION IS NEEDED TO WATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS
AMOLE DEL NORTE DATUM + 0.32 FT. = ACS DATUM (1929 NGVLD)
WORK STARTED BY — DATE
WORK COMPLETED — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL
JAMES R. THURSTON, NEW MEXICO 4729, REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR

NO.	DATE	REVISIONS	BY
		DESIGN	
		DESIGNED BY TWP	DATE 12/85
		DRAWN BY MM/MH	DATE 12/85
		CHECKED BY RLG/TDS	DATE 12/85

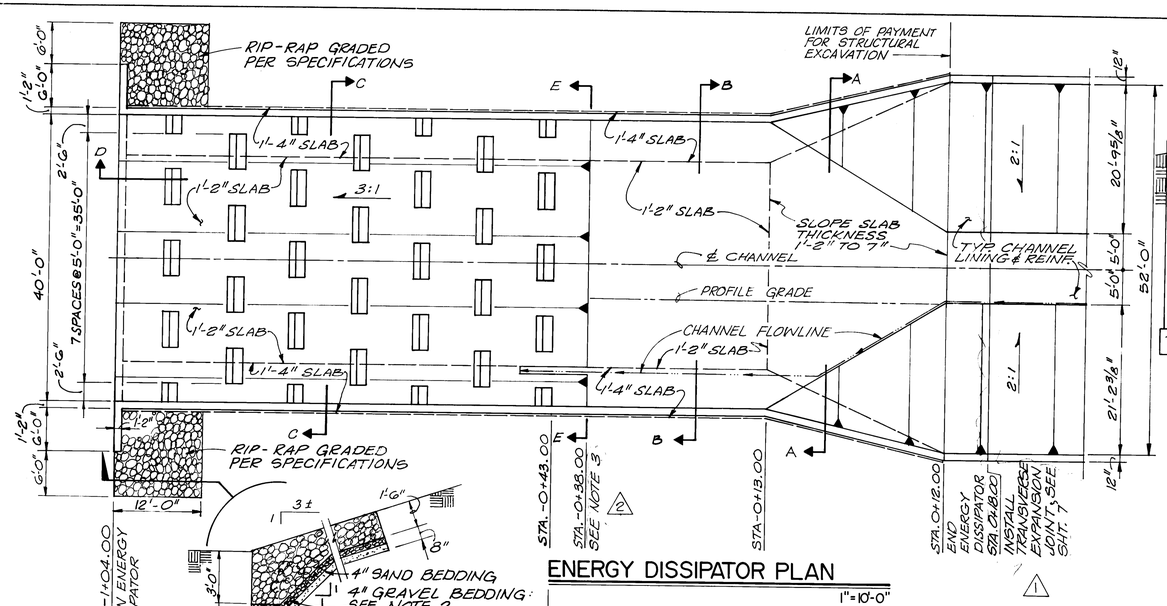
26 24800987

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: TYPICAL PAVING SECTION
AMOLE DEL NORTE STORM DIVERSION FACILITY

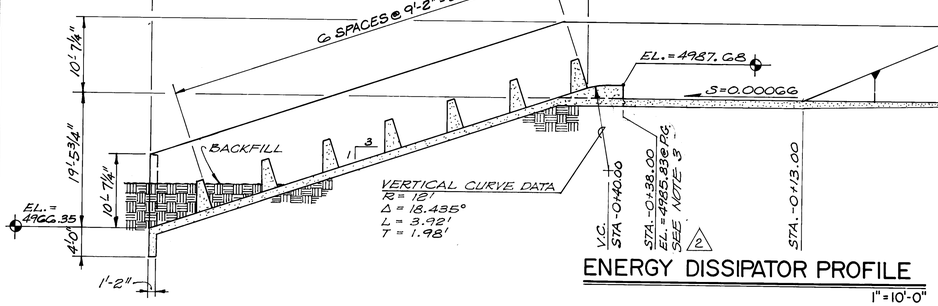
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		2/6/86	Liquid Waste		1/22/86
A.C.E.-Design		1/28/86	Traffic		1/22/86
A.C.E.-Hydrology		1/22/86	Water		1/22/86

DRAWING NO. 2480 | MAP NO. | SHEET 9 OF 21



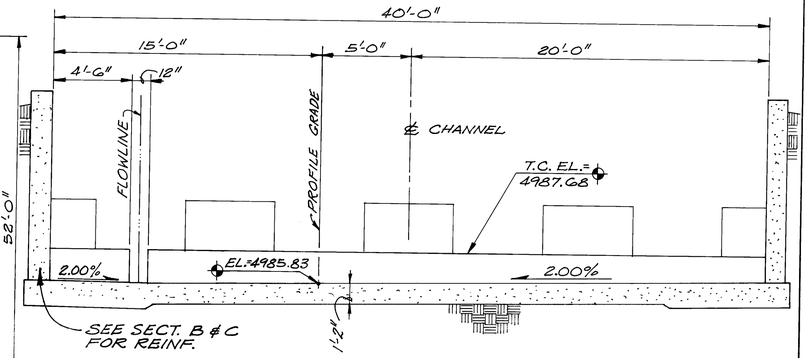
ENERGY DISSIPATOR PLAN

1" = 10'-0"



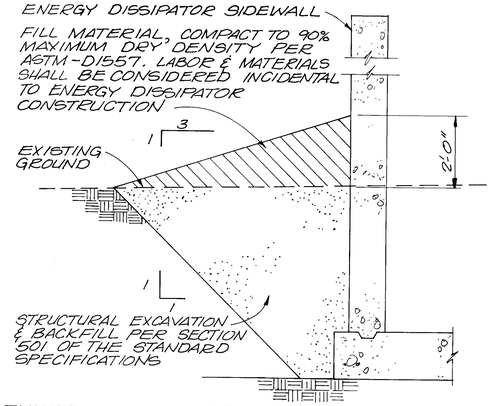
ENERGY DISSIPATOR PROFILE

1" = 10'-0"



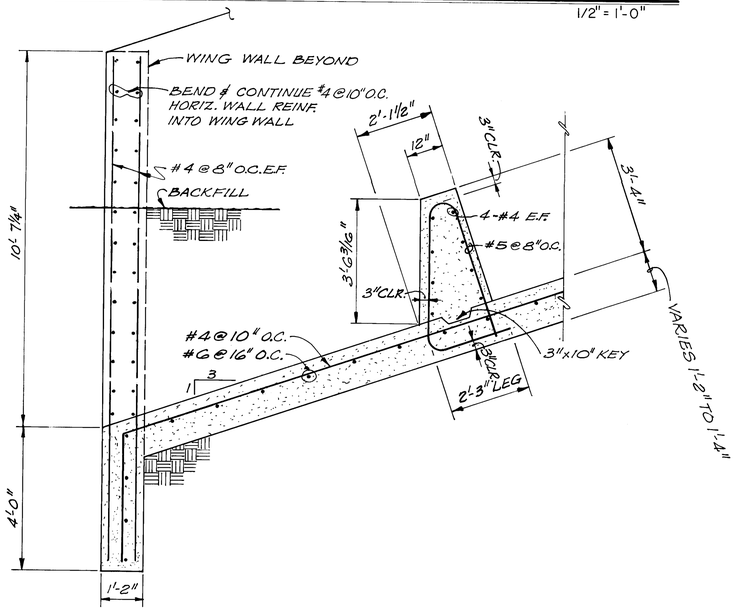
SECTION E AT STA. -0+38.00 SEE NOTE 3 ⚠2

1/4" = 1'-0"



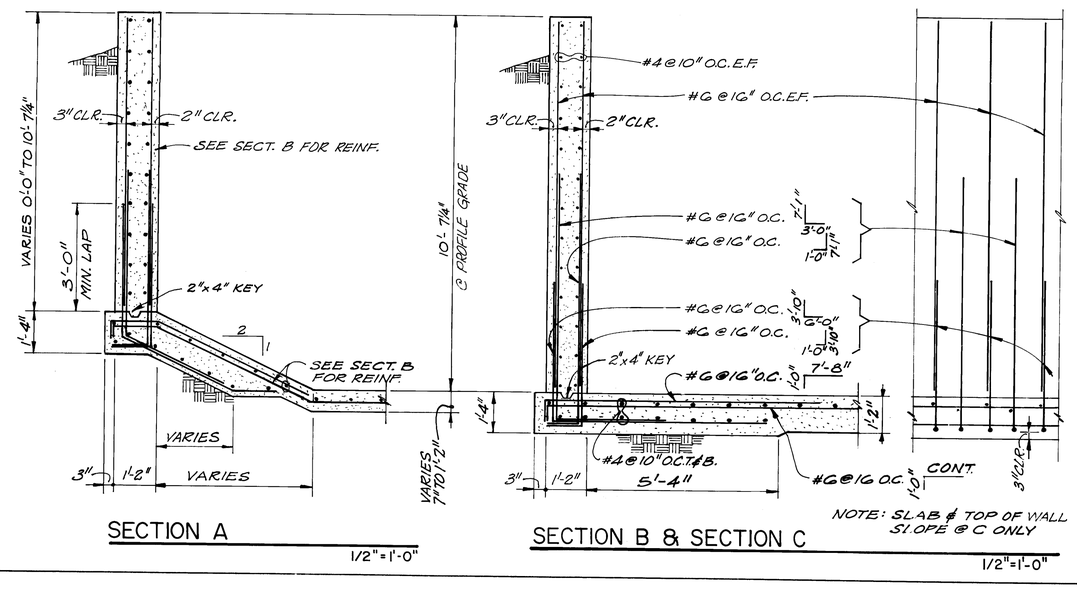
EARTHWORK IN FILL AREAS AT SECTIONS A, B, C & E

1/2" = 1'-0"



SECTION D

1/2" = 1'-0"



SECTION A

1/2" = 1'-0"

SECTION B & SECTION C

1/2" = 1'-0"

NOTE: SLAB & TOP OF WALL SLOPE @ C ONLY

NOTES:

1. ALL REINFORCING STEEL SHALL BE GRADE 60 & CONCRETE SHALL BE 4000 psi @ 28 DAYS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
2. RIP-RAP BEDDING SHALL CONSIST OF A GRAVEL TYPE FILTER MATERIAL.
   FILTER CLOTH BEDDING WILL NOT BE ALLOWED.

   FILTER MATERIAL SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

   SAND BEDDING:

SIEVE SIZE	% PASSING
#4	100
#10	65-80
#200	0-5

   GRAVEL BEDDING:

SIEVE SIZE	% PASSING
2"	100
1"	60-80
#4	20-30
#10	0-10

⚠2
3. A CONSTRUCTION JOINT WAS USED BY THE CONTRACTOR AT THIS LOCATION. A "KEY" WAS CAST IN THE SOUTH FACE OF THE JOINT, BUT THE 3/8" x 9" BUBKE KEYLOCK PVC WATERSTOP RECOMMENDED BY THE ENGINEER WAS NOT USED. CONCRETE IN THE NEXT POUR WAS CAST DIRECTLY AGAINST THIS JOINT.

AS BUILT INFORMATION
CONTRACTOR
WORK INSPECTED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO

BENCH MARKS
THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS:
AMOLE DEL NORTE DATUM + 0.32 FT. = ACS DATUM (1929 MSLD)

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
PROFESSIONAL ENGINEER — NEW MEXICO — 4739 — THORNTON, D.L.

NO.	DATE	REVISIONS	BY
3	5-7-86	CLARIFICATION DWG. FILL @ DISSIPATOR - TDS	TDS
2	4-29-86	ADDED NOTE 3	TDS
1	4-28-86	MOVED EXP. JT. 6' NORTH	TDS

DESIGN
DESIGNED BY TWP/EMS DATE 12/85
DRAWN BY PG DATE 12/85
CHECKED BY RLG/TDS DATE 12/85

RECORD DRAWING
These record drawings apply only to those facilities constructed under the contract identified in the title block and were prepared in whole or in part, on the basis of information compiled and furnished by others. Bohannan Huston Inc. will not be responsible for any errors or omissions which have been incorporated into this drawing as a result of the work by others.
26 24801087

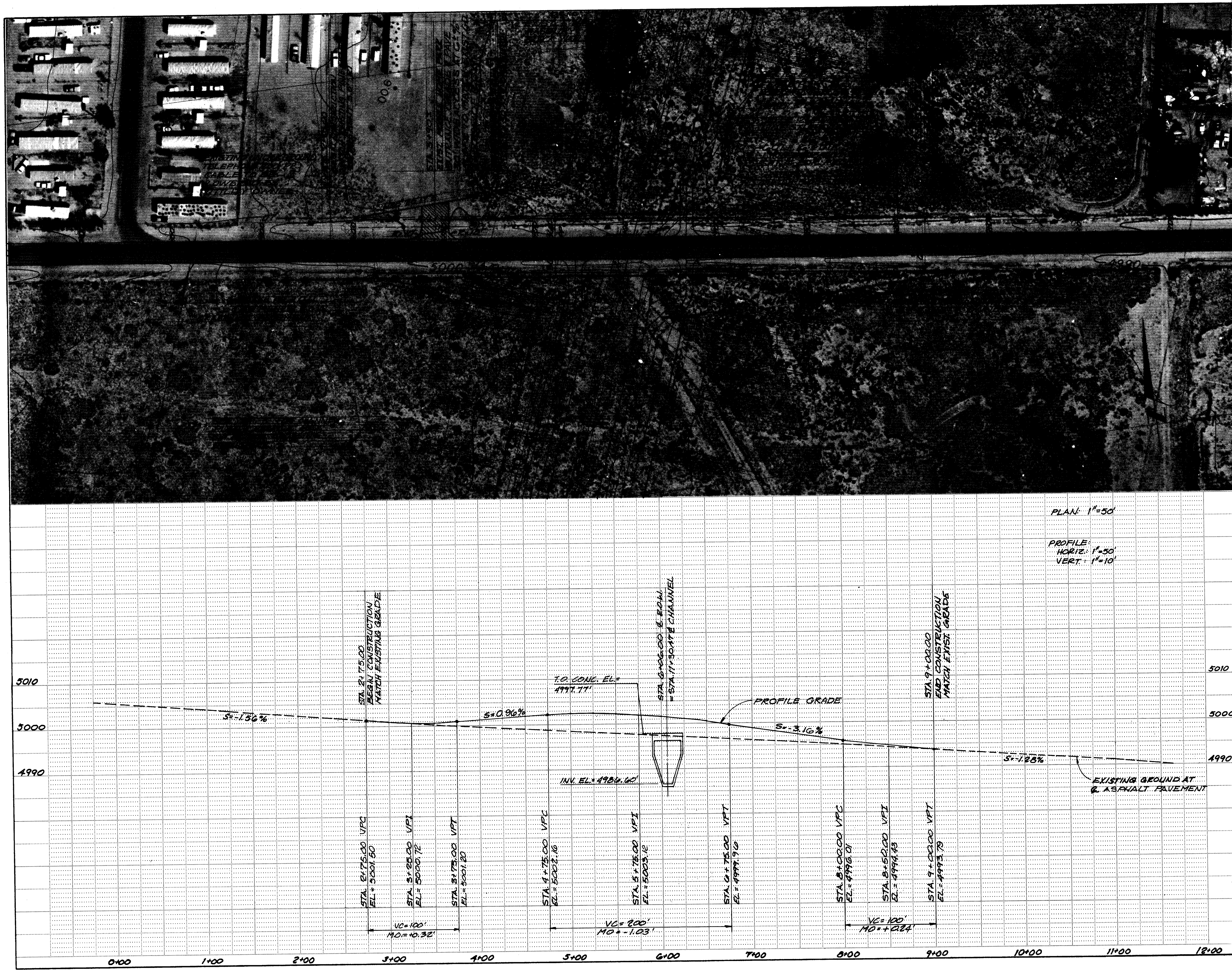
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **ENERGY DISSIPATOR DETAILS**

AMOLE DEL NORTE STORM DIVERSION FACILITY

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		2/10/86	Liquid Waste	R Lena	1/22/86
A.C.E. - Design		1/28/86	Traffic N/A	D.A. Fords	1/22/86
A.C.E. - Hydrology	K. K. Loyal	1/22/86	Water	R Lena	1/22/86

DRAWING NO. 2480 | MAP NO. N-10 | SHEET 10 OF 21



NOTES:

1. BLAKE ROAD CENTERLINE STATIONS APPLY TO ℄ FUTURE R.O.W. ℄ OF PAVEMENT IS OFFSET. DISTANCES SHOWN ON CROSS-SECTION. SEE TYPICAL PAVING SECTION SHEET 9.
2. SEWER AND WATERLINE STUB-OUTS ARE STATIONED WEST AND EAST. SEE UTILITY PROFILES, SHEET 14 FOR STATION EQUATION.
3. CONTRACTOR SHALL MAINTAIN ACCESS TO EXISTING MOBILE HOME PARK (STA. 3+90±) AT ALL TIMES.
4. COORDINATES, DISTANCES, AND BEARINGS ARE REFERENCED TO THE NEW MEXICO STATE PLANE SYSTEM (CENTRAL ZONE). GROUND DISTANCES CAN BE OBTAINED BY DIVIDING THE REPORTED GRID DISTANCES SHOWN ON THE DRAWINGS BY THE CONVERSION FACTOR 0.9996777785.
5. EXISTING BLAKE ROAD PAVEMENT SHALL BE REMOVED WITHIN THE LIMITS OF CONSTRUCTION, STA. 2+75 TO STA. 9+00. PAYMENT FOR REMOVAL AND DISPOSAL SHALL BE INCLUDED IN PAYMENT FOR NEW ASPHALT CONCRETE PAVEMENT.
6. VERTICAL CONTROL POINT (REBAR SET IN CONCRETE) "AMOLE B" X= 359,437± Y= 1,469,362±

AS BUILT INFORMATION

CONTRACTOR	
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS:

AMOLE DEL NORTE DATUM + 0.32 FT.

= ACS DATUM (1929 MSLD)

VERTICAL CONTROL POINT "AMOLE B"

EL. = 4997.11' AMOLE DATUM

EL. = 4997.43' ACS DATUM

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER NEW MEXICO No. 4739 THORNTON D. SCHWENK

RECORD DRAWING

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REVISIONS

NO.	DATE	REMARKS	BY
△	4-30-86	CORRECTED TEL. CABLE SIZE	TDS

DESIGN

DESIGNED BY	EMS/TWP	DATE	12/85
DRAWN BY	GA/MM	DATE	12/85
CHECKED BY	RLG/TDS	DATE	12/85

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

26 2480 1187

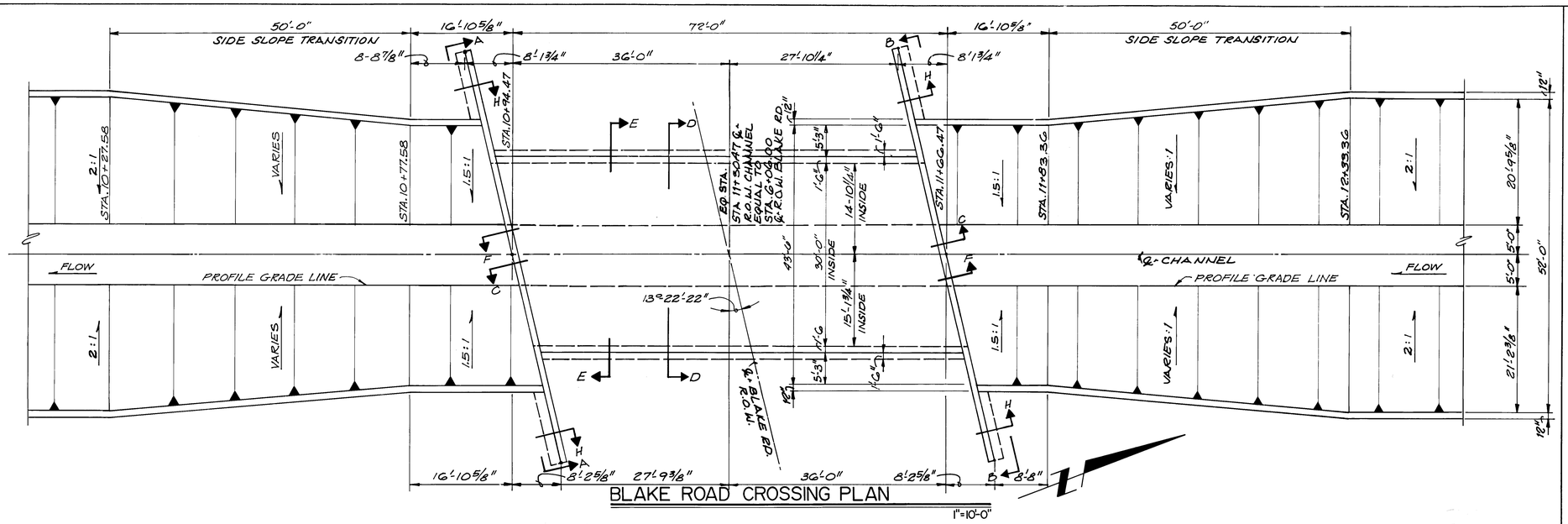
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: BLAKE ROAD PLAN & PROFILE

AMOLE DEL NORTE STORM DIVERSION FACILITY

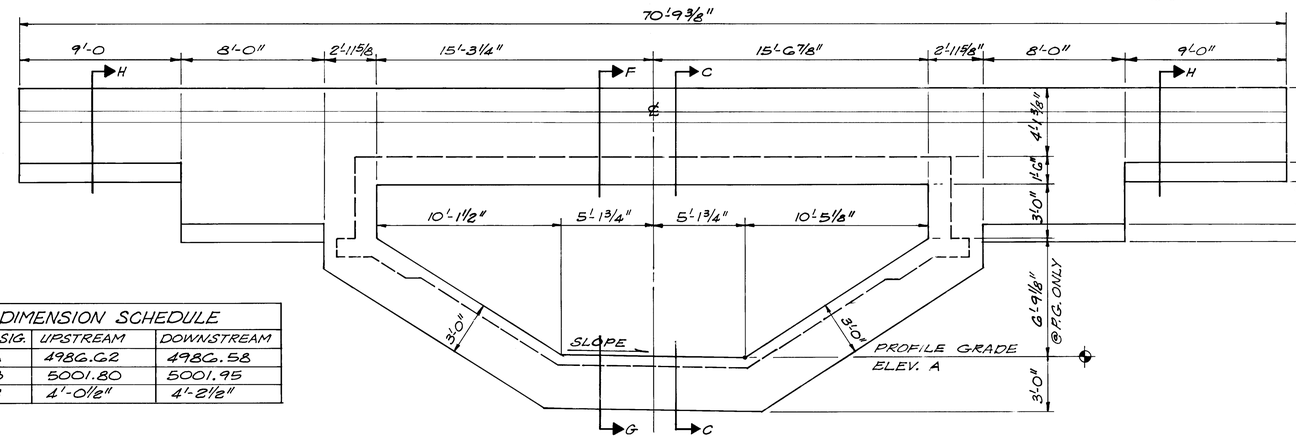
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		2/10/86	Liquid Waste	R. Peña	1/22/86
A.C.E.-Design		1/28/86	Traffic	D. A. Parks	1/22/86
A.C.E.-Hydrology	K. K. Goyal NA	1/22/86	Water	R. Peña	1/22/86

DRAWING NO.	MAP NO.	SHEET	OF
2480	N-10	11	21



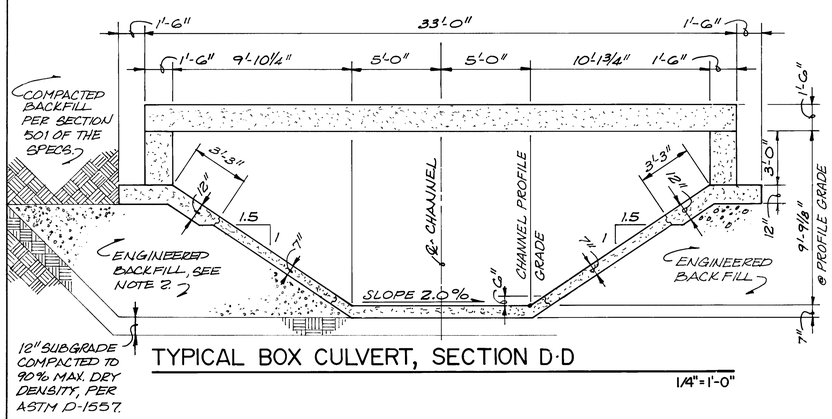
BLAKE ROAD CROSSING PLAN

1"=10'-0"



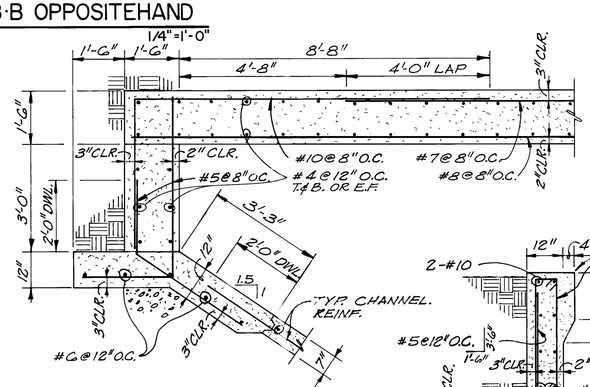
HEADWALL, SECTION A·A, SECTION B·B OPPOSITEHAND

DIMENSION SCHEDULE		
DESIG.	UPSTREAM	DOWNSTREAM
A	4986.62	4986.58
B	5001.80	5001.95
C	4'-0 1/2"	4'-2 1/2"



TYPICAL BOX CULVERT, SECTION D·D

1/4"=1'-0"

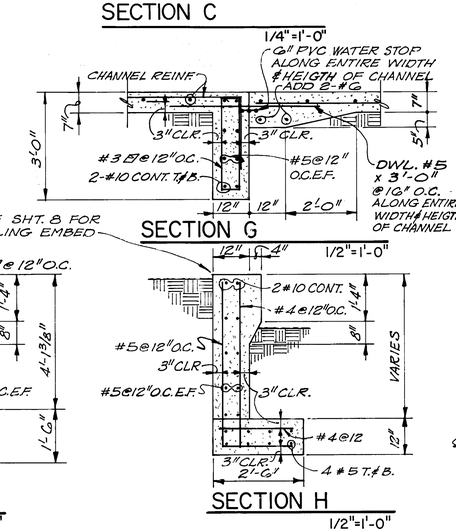


SECTION E

1/2"=1'-0"

SECTION F

1/2"=1'-0"

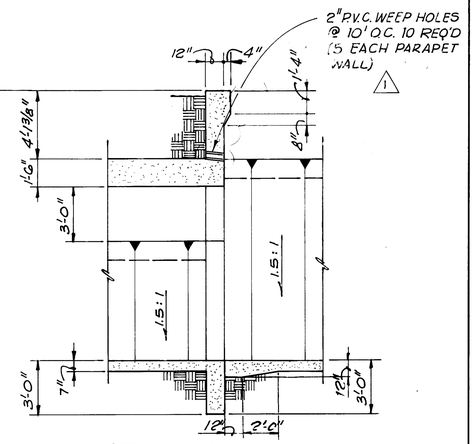


SECTION G

1/4"=1'-0"

SECTION H

1/2"=1'-0"



NOTES:

1. ALL REINFORCING STEEL SHALL BE GRADE 60 AND ALL CONCRETE SHALL BE 4000 PSI @ 28 DAYS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
2. ENGINEERED BACKFILL SHALL BE CLASS I OR CLASS II BASE COURSE, MEETING THE REQUIREMENTS OF SECTION 302 OF THE STANDARD SPECIFICATIONS, COMPACTED TO 95% MAXIMUM DRY DENSITY.

AS BUILT INFORMATION

CONTRACTOR — DATE
STAKED BY
INSPECTORS — DATE
FIELD FINANCE BY — DATE
VERIFICATION BY — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

BENCH MARKS

THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS:

AMOLE DEL NORTE DATUM + 0.32 FT. = ACS DATUM (1929 MSLD)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER NEW MEXICO NO. 4739 DONALD W. THORNTON

NO.	DATE	REVISIONS	DESIGNED BY	DRAWN BY	CHECKED BY
4	10/86	ADDED WEEP HOLES TO PARAPET WALLS	EMS/OBT	PG	RLG/TDS
3	12/85		DATE 12/85	DATE 12/85	DATE 12/85

RECORD DRAWING

These record drawings apply only to those facilities constructed under the contract identified in the title block and have been prepared to conform as closely as the facts of information compiled and furnished by the Engineering Corporation will not be responsible for errors or omissions which have been incorporated into the drawings as a result of the work by others.

1 2 3 4 5 6 7 8 9 10

26 24801287

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: BLAKE ROAD CROSSING STRUCTURE

AMOLE DEL NORTE STORM DIVERSION FACILITY

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		2/26/86	Liquid Waste	K. Fern	1/22/86
A.C.E.-Design		1/28/86	Traffic	D.J. Parks	1/22/86
~~A.C.E.~~-Hydrology	K.K. Loyal 1/24/86		Water	K. Fern	1/22/86

DRAWING NO.	MAP NO.	SHEET	OF
2480	N-10	12	21

PLAN 1"=50'

PROFILE
HORIZ. 1"=50'
VERT. 1"=10'

LEGEND

CODE TYPE	DETAILS
W20-1	48" × 48" ROAD CONSTRUCTION 1500 FT.
W20-2	48" × 48" DETOUR 1000 FT
SEE PLAN W1-4	48" × 48"
W13-1	24" × 24" 20 MPH
R11-2	48" × 30" ROAD CLOSED
M4-10	18" × 48" DETOUR
SEE PLAN G20-2	60" × 24" END CONSTRUCTION

KEY:

- TYPE III BARRICADE
- ■ BARRELS WITH STEADY TYPE C BURN LIGHT
- SIGN MOUNTED ON SQUARE TUBING POST
- ▲ TYPE C2 TRAFFIC MARKER GUIDE

NOTES:

1. DETOUR CENTERLINE STRIPING SHALL BE DOUBLE 4" YELLOW STRIPE FOR ENTIRE LENGTH OF DETOUR. OBLITERATE CONFLICTING STRIPES.
2. CHANNELIZATION DEVICES SUCH AS BARRELS OR VERTICAL PANNELS MAY BE USED IN LIEU OF TYPE 2 TRAFFIC MARKER GUIDES.
3. COORDINATES, DISTANCES, AND BEARINGS ARE REFERENCED TO THE NEW MEXICO STATE PLANE SYSTEM (CENTRAL ZONE). GROUND DISTANCES CAN BE OBTAINED BY DIVIDING THE REPORTED GRID DISTANCES SHOWN ON THE DRAWINGS BY THE CONVERSION FACTOR 0.999677785.
4. SEE SHT. 9 FOR DETOUR ROAD SECTION.
5. CONTRACTOR SHALL NOTIFY THE CITY TRAFFIC ENGINEER (768-2780) THREE (3) WORKING DAYS PRIOR TO THE OPENING OF ANY DETOUR.

RECORD DRAWING

These record drawings apply only to those facilities constructed under the contract identified in the title block and have been prepared (in part, on the basis of information) compiled and furnished by others. Royle Engineering Corporation will not be responsible for any errors or omissions which have been incorporated into the drawing as a result of the work by others.

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

AS BUILT INFORMATION

BENCH MARKS

THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS:
AMOLE DEL NORTE DATUM + 0.32 FT.
= ACS DATUM (1929 MSLD)

CONTRACTOR	
WORK STARTED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
VERIFICATION BY	DATE
CHARTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO	

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER — RICHARD L. ROYLE — No. 4739 — NEW MEXICO — 1-22-86

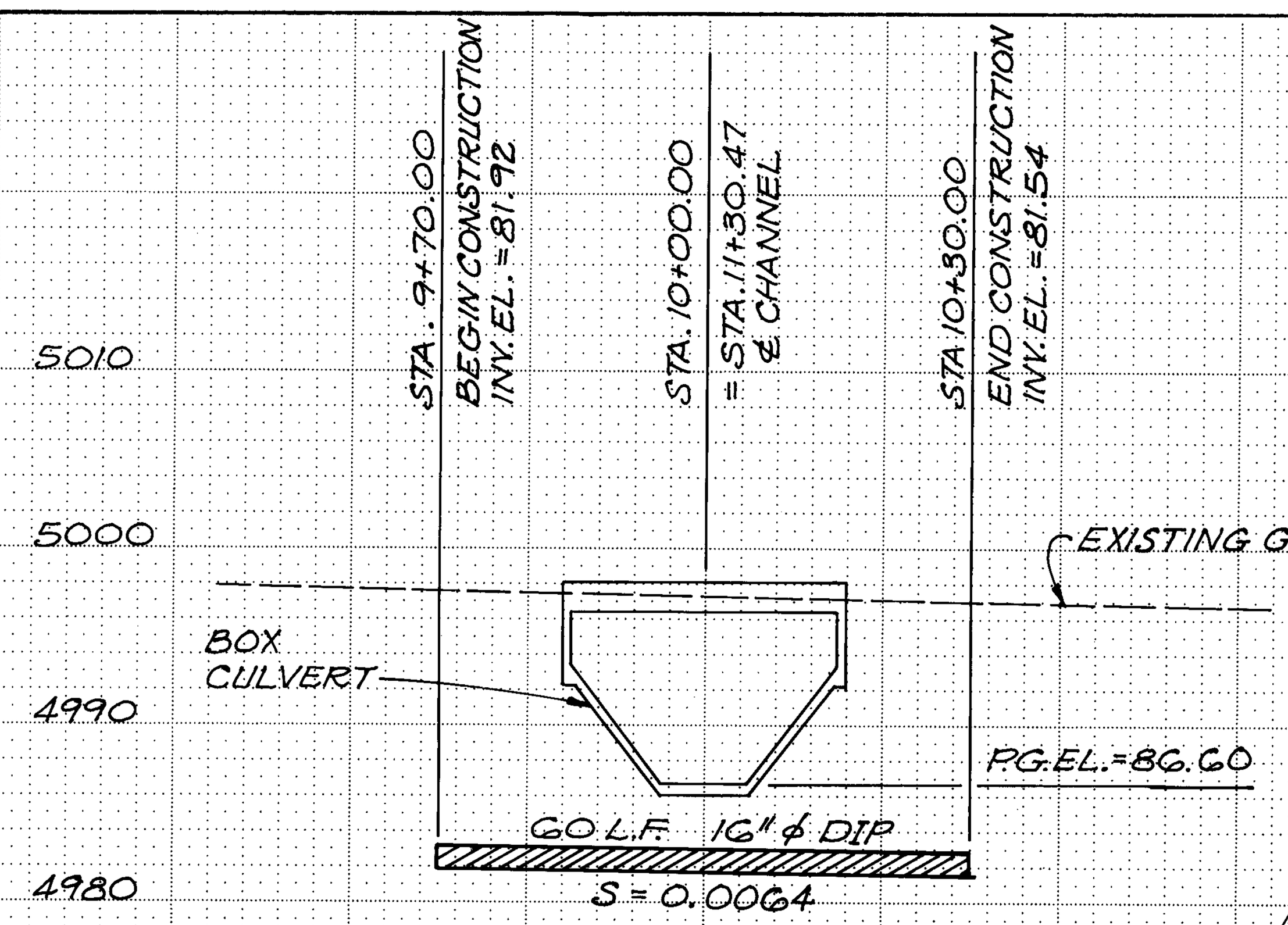
NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY MAH	DATE 12/85
		DRAWN BY PG/MM	DATE 12/85
		CHECKED BY RLG/TDS	DATE 12/85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: BLAKE ROAD CROSSING
TRAFFIC CONTROL PLAN
AMOLE DEL NORTE STORM DIVERSION FACILITY

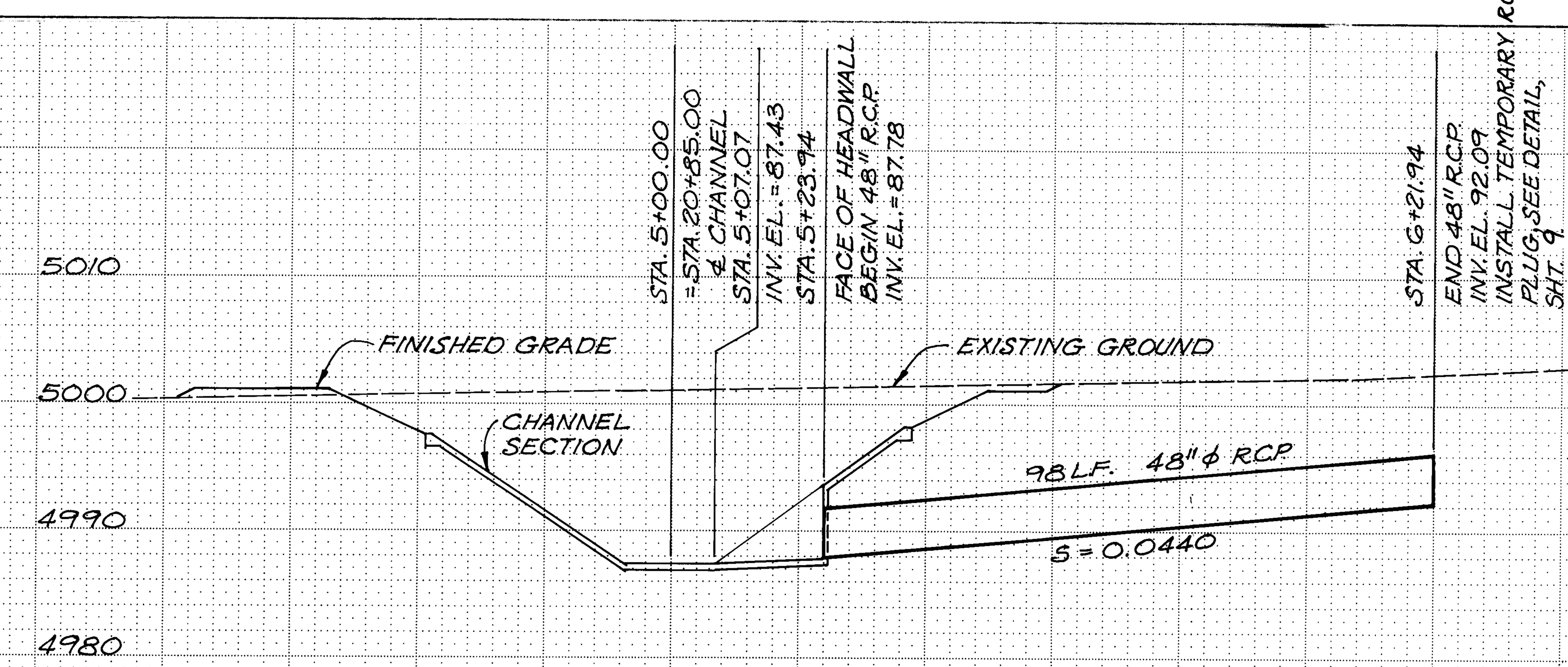
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		2/10/86	Liquid Waste	R. Perez	1/22/86
A.C.E.- Design		1/28/86	Traffic	D.A. Parks	1/22/86
~~A.C.E.~~ Hydrology	R. L. Lopez N.A.	1/22/86	Water	R. Perez	1/22/86

DRAWING NO.	MAP NO.	SHEET OF
2480	N-10	13 21

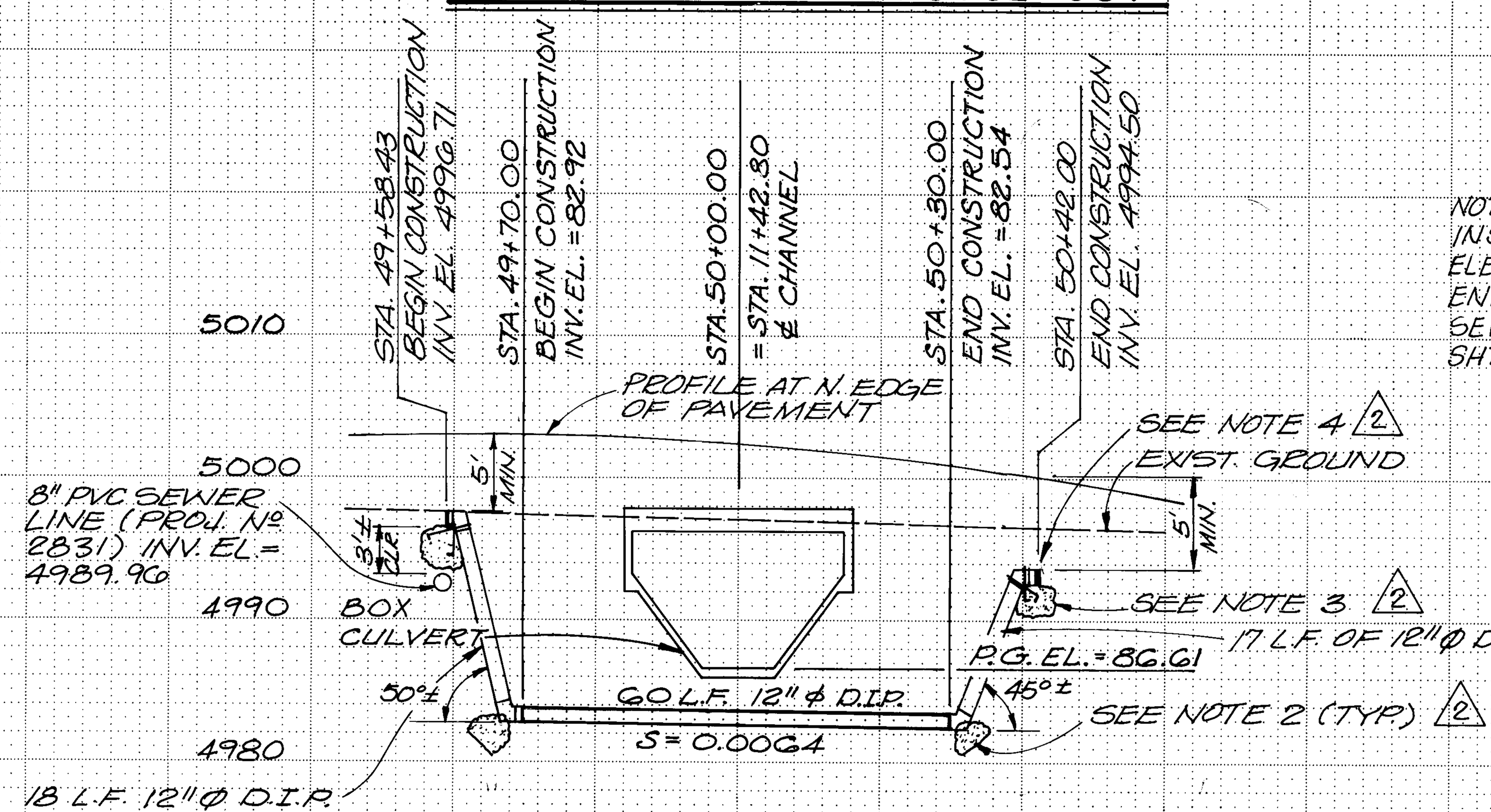


BLAKE ROAD SEWER STUB-OUT

SEE NOTE 1

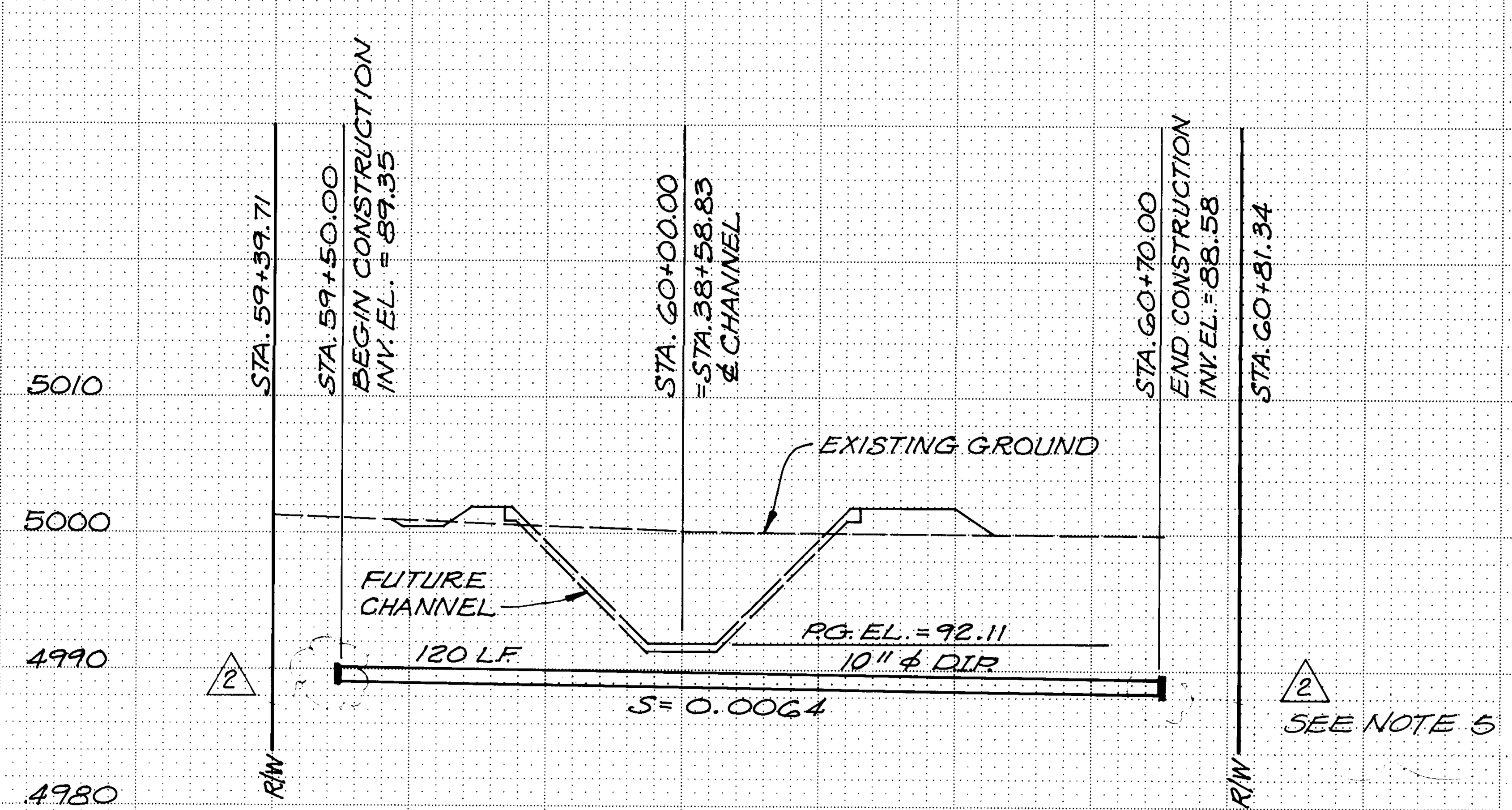


CONDUIT NO. 1 - 48" ø R.C.P.



NOTE:
INSTALL TEMPORARY PLUGS & ELECTRONIC MARKER DISKS AT ENDS OF ALL WATERLINE & SEWER STUB-OUTS PER DETAIL, SHT. 9.

BLAKE ROAD WATERLINE STUB-OUT



WATERLINE STUB-OUT AT STA. 38+58.83

RECORD DRAWING
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SCALES:
1" = 20' HORIZ.
1" = 5' VERT.

1. FOR CONTINUATION OF SANITARY SEWER, SEE CITY OF ALBUQUERQUE PROJECT № 2831, SHEET 2 OF 4, "BLAKE ROAD SANITARY SEWER EXTENSION".
2. FURNISH & INSTALL 45° x 12 IN. DIAGONAL D.I. BENDS (4 LOCATIONS). HYDROSTATIC PRESSURE TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH SEC. 701.16 OF THE STANDARD SPECIFICATIONS.
3. CONCRETE THRUST BLOCKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEC. 701.13 OF THE STANDARD SPECIFICATIONS. DESIGN FOR THRUST BLOCK FOR VERTICAL OVERBEND ELBOW SHALL INCLUDE THRUST TIE RODS.
4. FURNISH & INSTALL 12 IN. MJ END CAPS (2 LOCATIONS).
5. FURNISH & INSTALL 10 IN. MJ END CAPS (2 LOCATIONS).

AS BUILT INFORMATION
CONTRACTOR / WORK STAKED BY / INSPECTOR'S ACCEPTANCE BY / FIELD VERIFICATION BY / DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE — NO

BENCH MARKS
THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS
AMOLE DEL NORTE DATUM + 0.5 FT
= ACS DATUM (1929 MSLD)

SURVEY INFORMATION
NO	FIELD NOTES BY	DATE

ENGINEER'S SEAL

NO	DATE	REMARKS	BY
2	5-23-86	ADD EXTENSIONS TO WATERLINE	TDS
1	3-21-86	SAN. SEWER EXTENDED BY PROJ. 2831	TDS

REVISIONS

DESIGN
DESIGNED BY — DATE
DRAWN BY — DATE
CHECKED BY — DATE

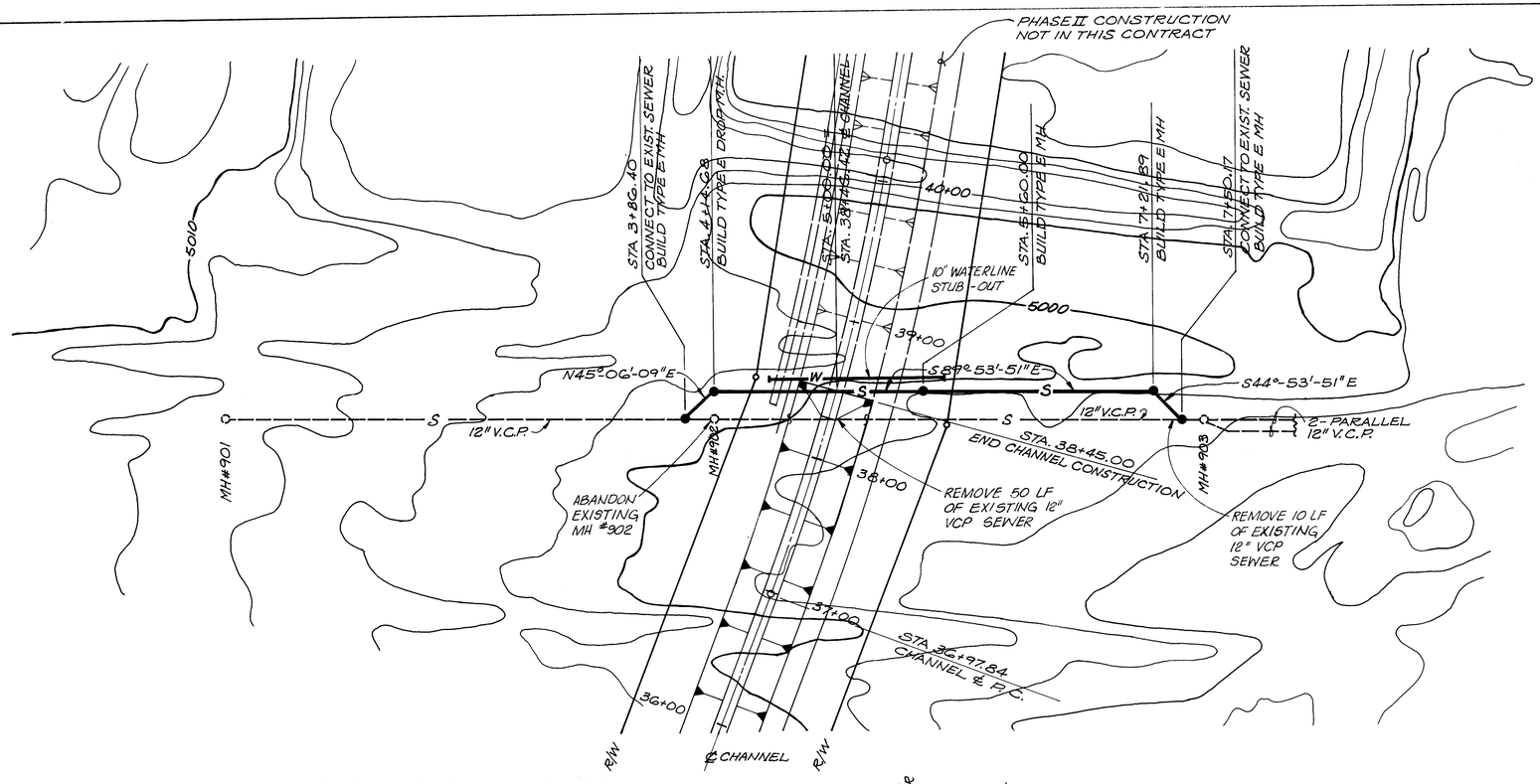
26 24801481

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: UTILITY PROFILES & SECTIONS
AMOLE DEL NORTE STORM DIVERSION FACILITY

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[signature]	2/14/86	Liquid Waste		
A.C.E.-Design	[signature]	1/28/86	Traffic	N/A D.a.P.	1/27/86
A.C.E.-Hydrology	L. K. Loyal	1/27/86	Water		

DRAWING NO	MAP NO.	SHEET	OF
2480		14	21



SCALES:
1" = 50' HORIZ.
1" = 5' VERT.

NOTES:

1. EXISTING MANHOLE(S) SHALL BE ABANDONED IN ACCORDANCE WITH SECTION 802.12 OF THE STANDARD SPECIFICATIONS. PLUG OPEN ENDS OF ABANDONED SEWER REMAINING AT ALL LOCATIONS WITH 12" THICK CONCRETE OR CONCRETE MORTAR PLUG.

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY — DATE
INSPECTED BY
AS-BUILT ANGLE BY — DATE
AS-BUILT DIST. BY
VERIFICATION BY
CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS

AMOLE DEL NORTE DATUM + 0.32 FT. = ACS DATUM (1929 MSLD)

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER — STATE OF NEW MEXICO — No. 4739 — RICHARD D. THORNTON

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 12/85
DESIGNED BY		TWP	DATE 12/85
DRAWN BY		PG/MM	DATE 12/85
CHECKED BY		RLG/TDS	

RECORD DRAWING

These record drawings apply only to those facilities constructed under the contract identified in the title block and were based, prepared, in part, on the basis of information compiled and furnished by others. Doyle Engineering Corporation will not be responsible for any changes or underground which have been incorporated into this drawing by a person or firm other than Doyle Engineering Corporation.

26 Z+801587

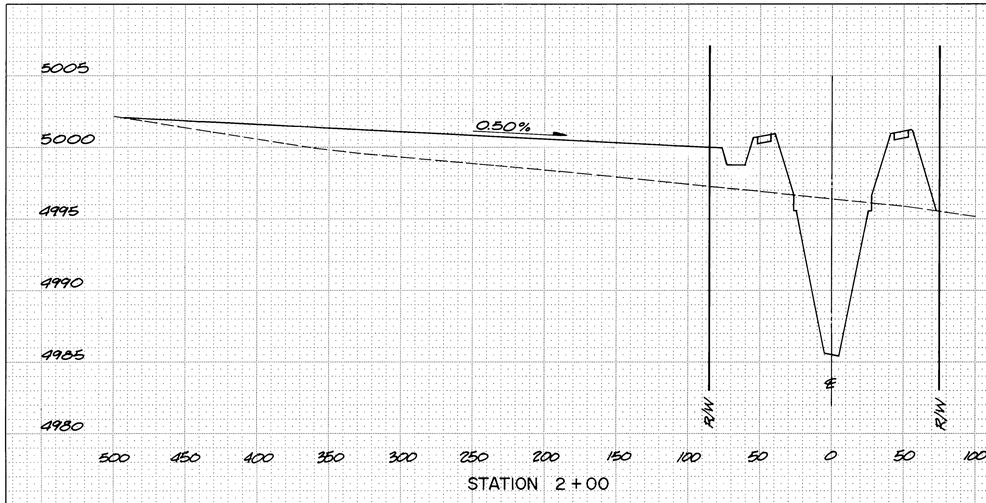
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SEWER RELOCATION PLAN & PROFILE

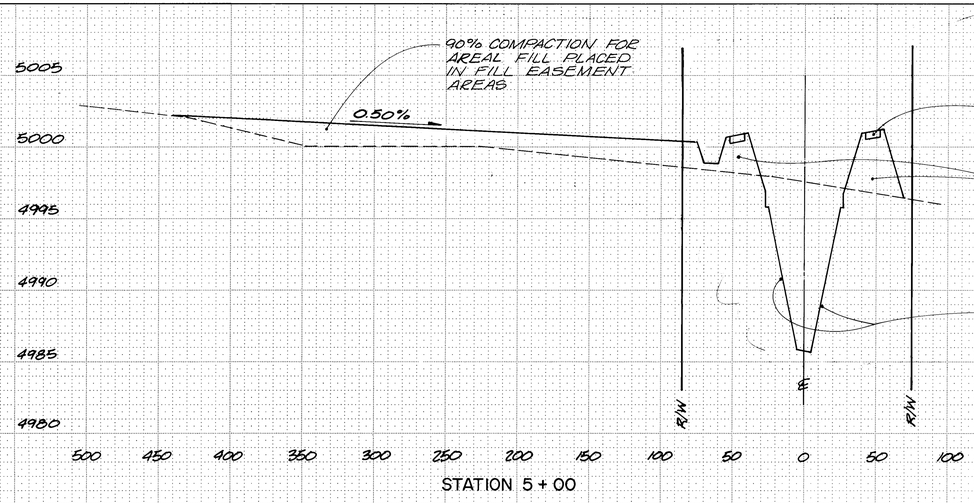
AMOLE DEL NORTE STORM DIVERSION FACILITY

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		2/10/86	Liquid Waste	R Peña	1/22/86
A C E - Design		1/28/86	Traffic N/A	D.A. Banks	1/22/86
~~A C E - Hydrology~~	T.K. Loyal	1/22/86	Water	R Peña	1/22/86

DRAWING NO 2480 | MAP NO L-10 | SHEET 15 OF 21



STATION 2 + 00



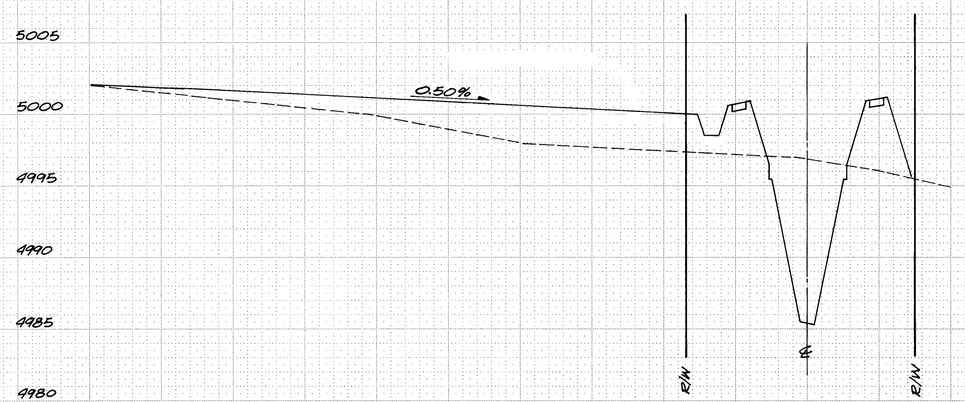
STATION 5 + 00

COMPACTION NOTES, TYP. ⚠1

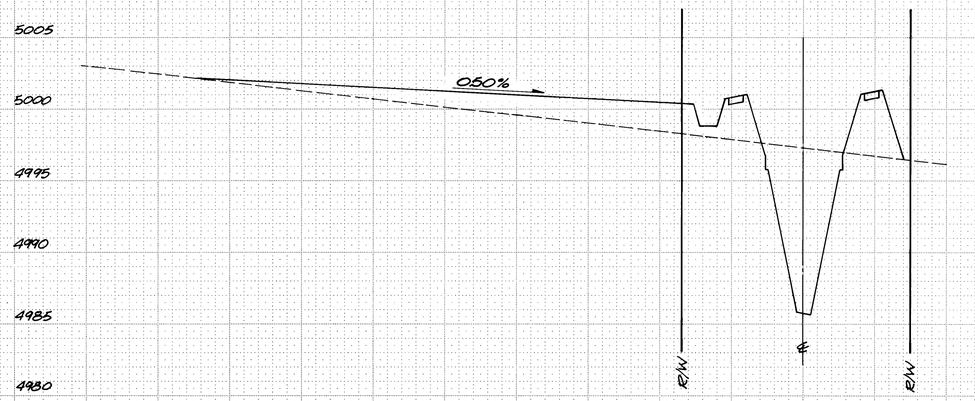
90% COMPACTION TO 12" DEPTH UNDER ACCESS ROAD BASE COURSE

95% COMPACTION FOR FILL MATERIAL PLACED FOR AN EMBANKMENT (SEE NOTE 4, SHEET 6)

90% COMPACTION TO 12" DEPTH UNDER CHANNEL LINING. (SEE TYP. CHANNEL SECTIONS, SHEET 6)



STATION 1+00



STATION 4 + 00

⚠1 4-12-86 ADDED COMPACTION NOTES TDB

RECORD DRAWING

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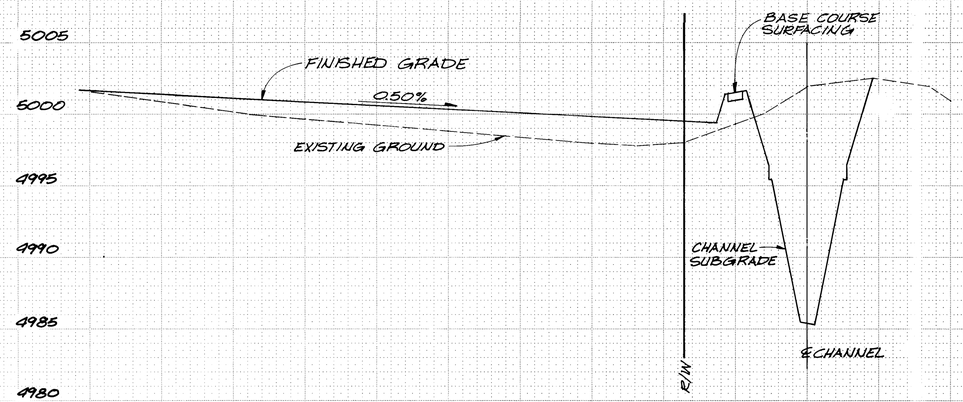
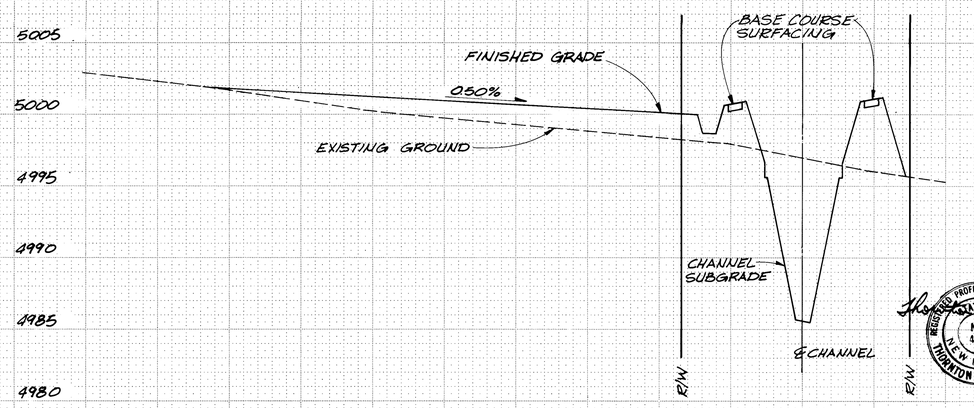


STATION 0 + 12



STATION 3 + 00

SCALE
1"=50' HORIZ.
1"=5' VERT.

THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS
AMOLE DEL NORTE DATUM + 0.32 FT.
= ACS DATUM (1929 MSLD)

REGISTERED PROFESSIONAL ENGINEER No. 4739 NEW MEXICO THORNTON D. SCHMITT

CHANNEL CROSS SECTIONS
STA. 0+12.00 TO STA. 5+00.00
AMOLE DEL NORTE STORM DIVERSION FACILITY

26 24801687

FINAL SURVEY — SURVEYED, PLOTTED, TIE SHEET, AREAS, AREAS CHECKED — BY — DATE — NOTE BOOK NO.

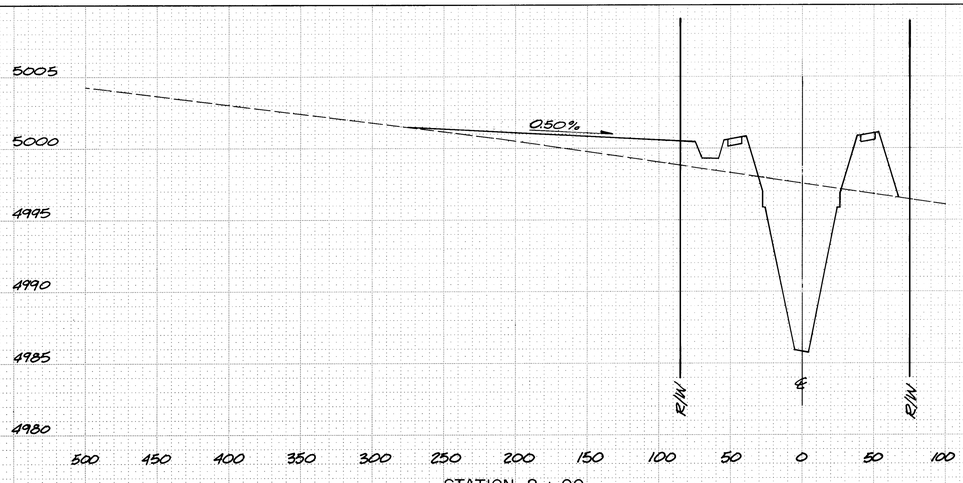
ORIGINAL SURVEY — SURVEYED, PLOTTED, TIE SHEET, AREAS, AREAS CHECKED — BY — DATE — NOTE BOOK NO.

PLATE 3 CROSS SECTION - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

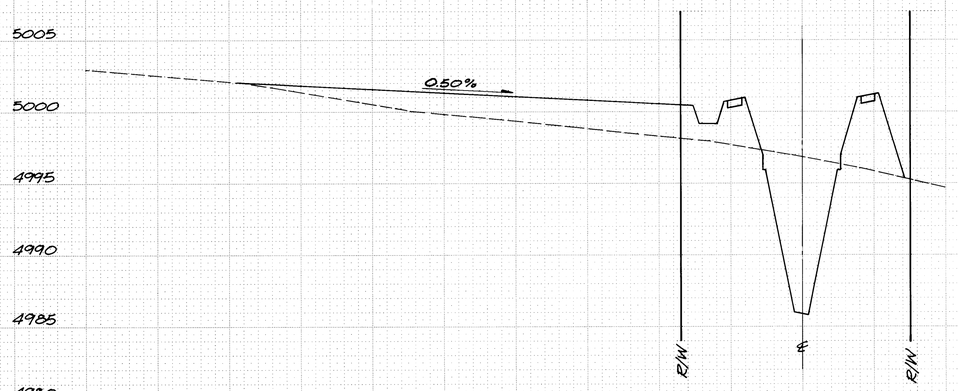
DRAWING NO. 2480

SHEET 16 OF 21

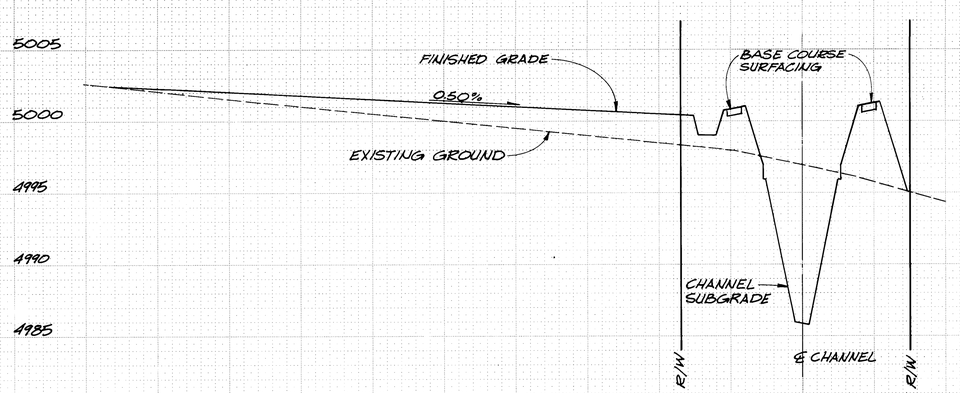
FINAL SURVEY	DATE	BY
SURVEYED		
PLOTTED		
CHECKED		
NOTE BOOK	AREAS	
NO.	AREAS CHECKED	



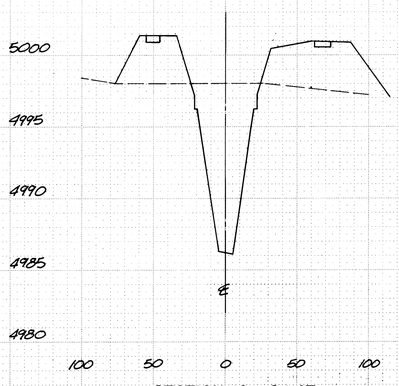
STATION 8 + 00



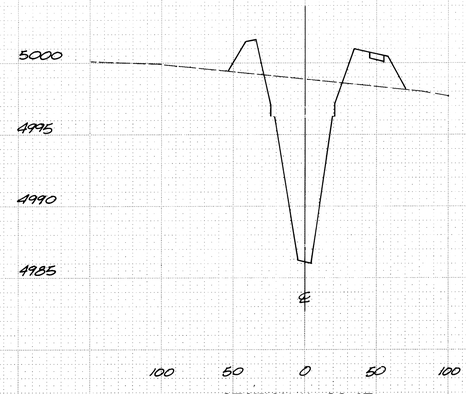
STATION 7 + 00



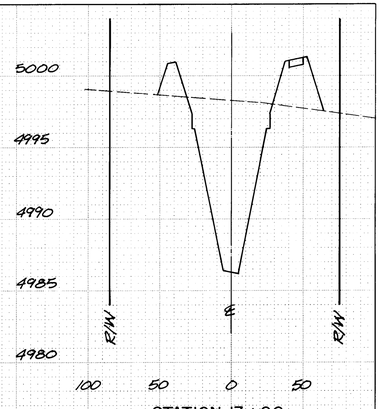
STATION 6 + 00



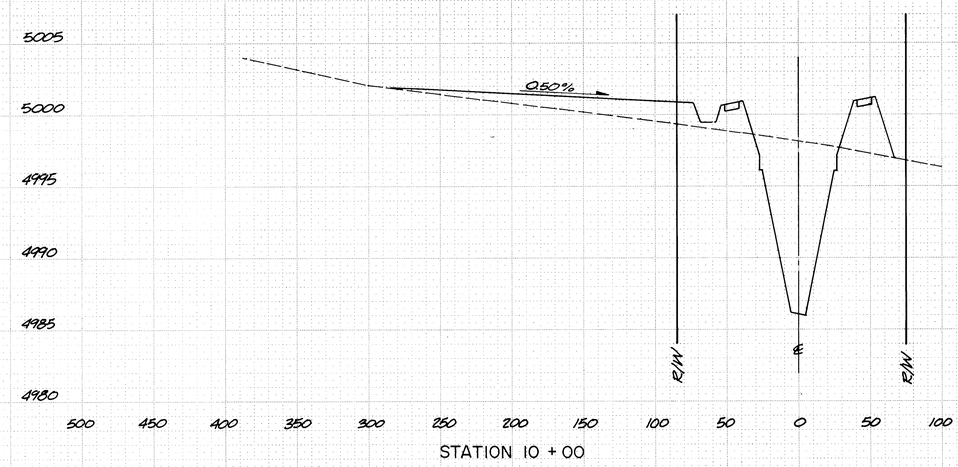
STATION 10 + 94.47



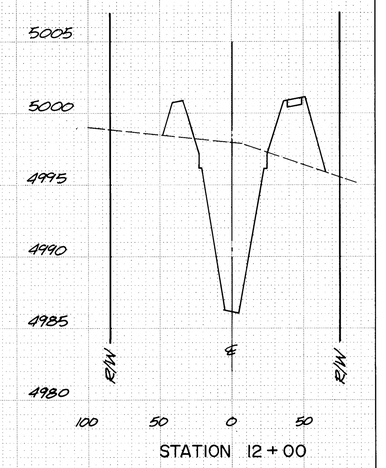
STATION 11+66.47



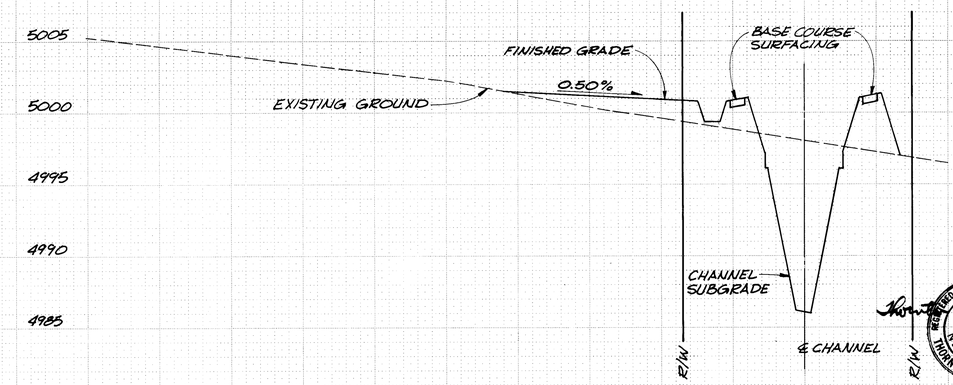
STATION 13+00



STATION 10 + 00



STATION 12 + 00



STATION 9 + 00

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
CHECKED	
NOTE BOOK	AREAS
NO.	AREAS CHECKED

RECORD DRAWING

These record drawings relate only to those facilities constructed under the contract identified on this drawing and were based, in part, on the basis of information compiled and furnished by others. Boyle Engineering Corporation will not be responsible for any errors or omissions which have been incorporated into this drawing as a result of the work by others.

SCALE:
1"=50' HORIZ.
1"=5' VERT.

THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS:
AMOLE DEL NORTE DATUM + 0.32 FT.
= ACS DATUM (1929 MSLD)

REGISTERED PROFESSIONAL ENGINEER No. 4739 NEW MEXICO THORNTON D. SCHWEIN

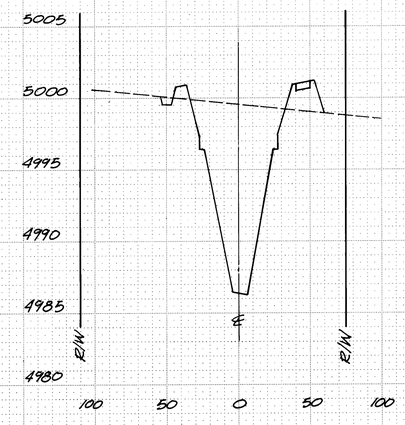
CHANNEL CROSS SECTIONS
STA. 6+00.00 TO STA. 13+00.00
AMOLE DEL NORTE STORM DIVERSION FACILITY

1 2 3 4 5 6 7 8 9 10 11 12 13
2 6 2 4 8 0 1 7 8 7

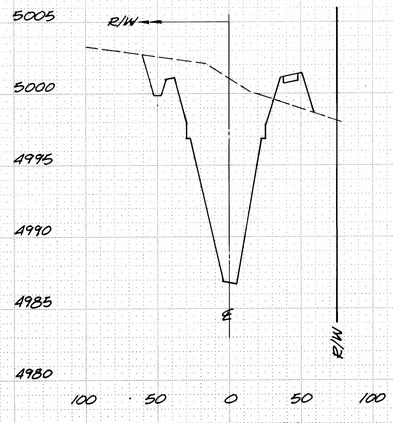
PLATE 3 CROSS SECTION - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

DRAWING NO. 2480

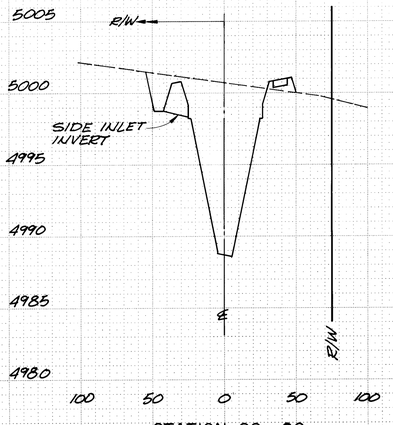
SHEET 17 OF 21



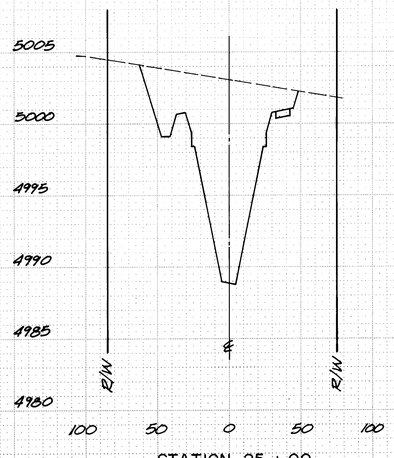
STATION 16 + 00



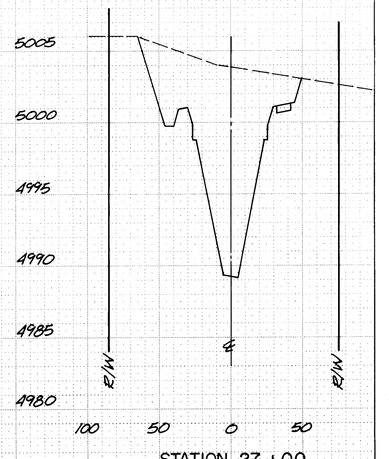
STATION 19 + 00



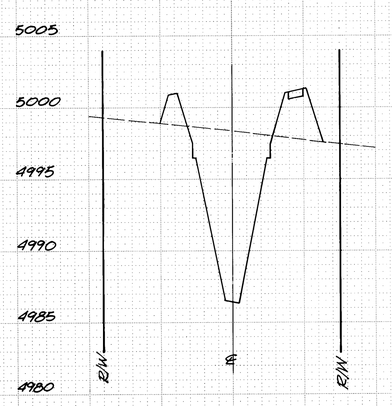
STATION 22 + 00



STATION 25 + 00



STATION 27 + 00



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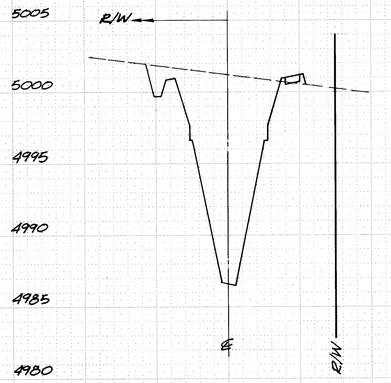
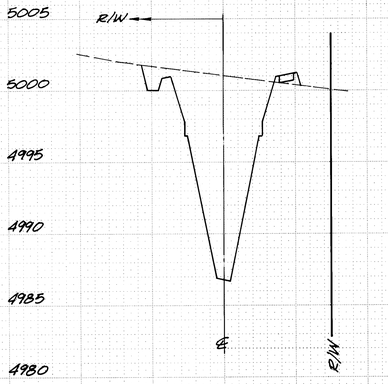
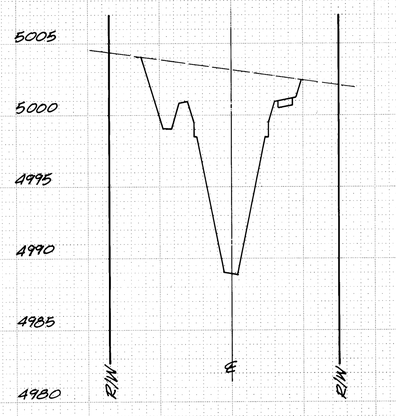


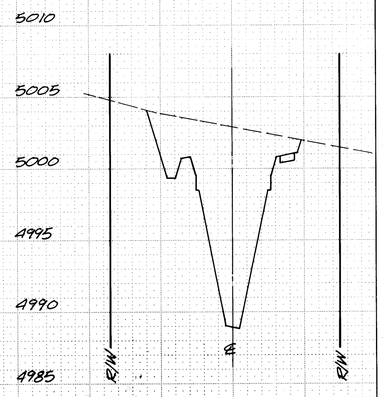
STATION 18 + 00



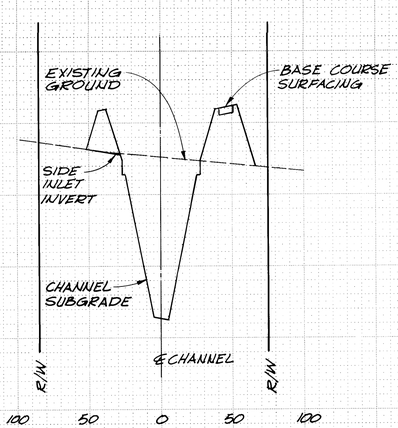
STATION 21 + 00



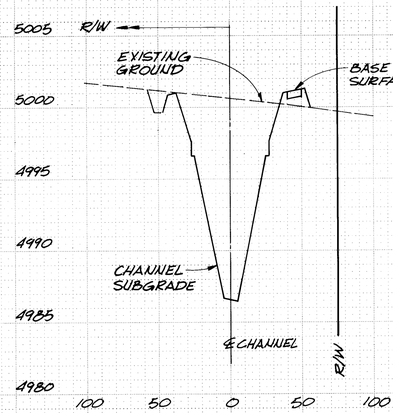
STATION 24 + 00



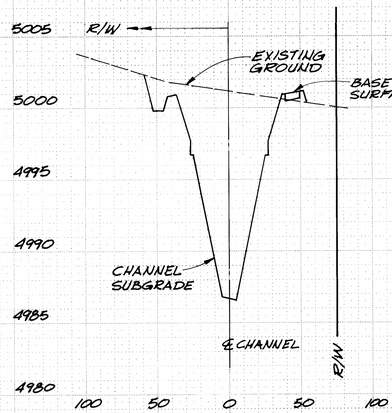
STATION 26 + 00



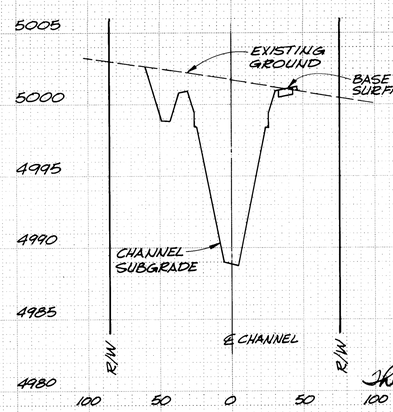
STATION 14 + 00



STATION 17 + 00



STATION 20 + 00



STATION 23 + 00

RECORD DRAWING

These record drawings apply only to those facilities constructed under the project identified in the title block and have been prepared, in part, on the basis of information compiled and furnished by others. Bohn Engineering Corporation will not be responsible for any revision or additions which have been incorporated into this drawing as a result of the work by others.

SCALE:
1"=50' HORIZ.
1"=5' VERT.

THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS

AMOLE DEL NORTE DATUM + 0.32 FT.
= ACS DATUM (1929 MSLD)

CHANNEL CROSS SECTIONS

STA. 14+00.00 TO STA. 27+00.00
AMOLE DEL NORTE STORM DIVERSION FACILITY

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR No. 4739 STATE OF NEW MEXICO THORNTON D. SCHWIEN

26 248 01887

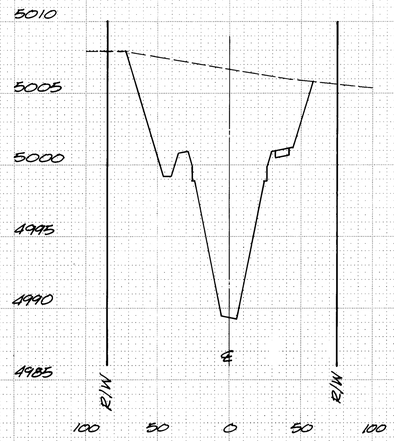
DRAWING NO. 2480

SHEET 18 OF 21

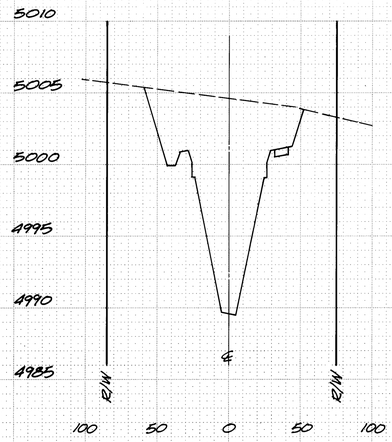
ORIGINAL SURVEY		DATE
SURVEYED		
PLOTTED		BY
NOTE BOOK		
NO.		
AREAS		
AREAS CHECKED		

FINAL SURVEY		DATE
SURVEYED		
PLOTTED		BY
NOTE BOOK		
NO.		
AREAS		
AREAS CHECKED		

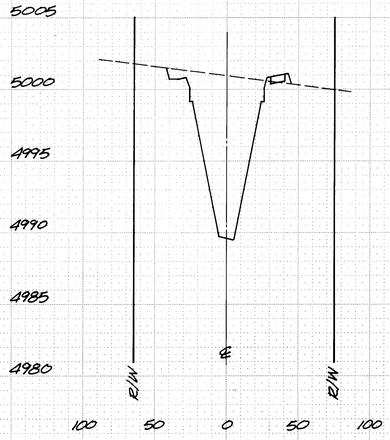
PLATE 3 CROSS SECTION - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.



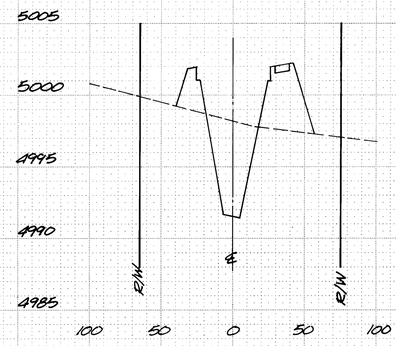
STATION 30 + 00



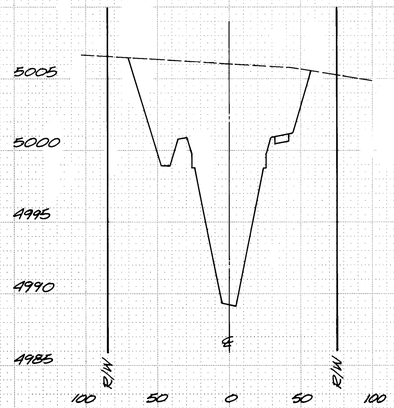
STATION 33 + 00



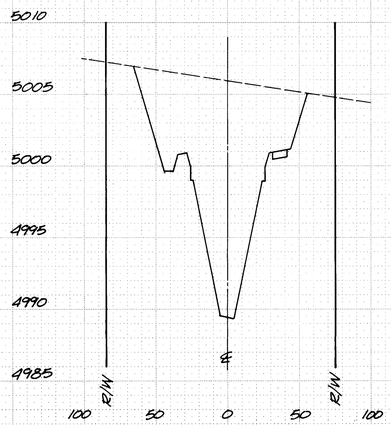
STATION 36 + 00



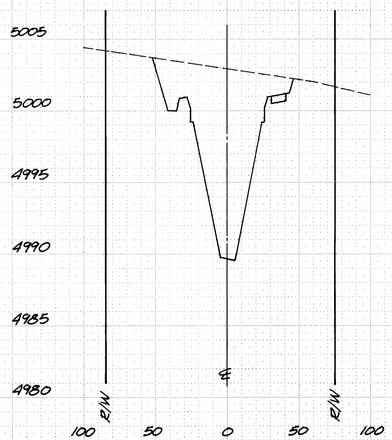
STATION 38 + 25



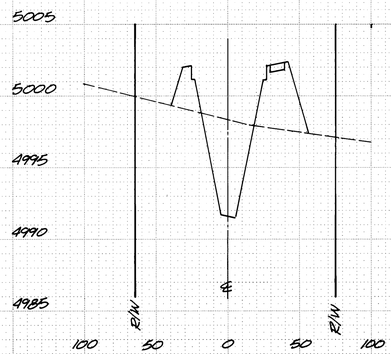
STATION 29 + 00



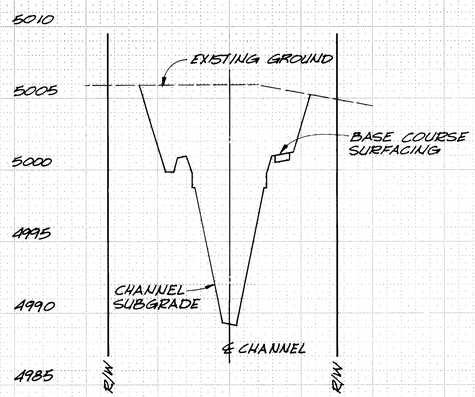
STATION 32 + 00



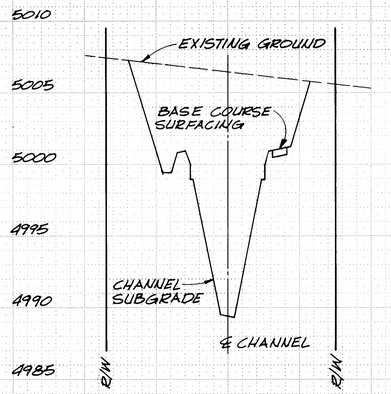
STATION 35 + 00



STATION 38 + 00



STATION 28 + 00



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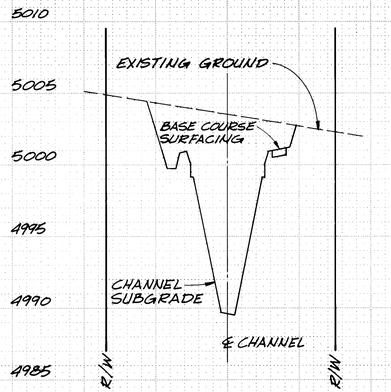
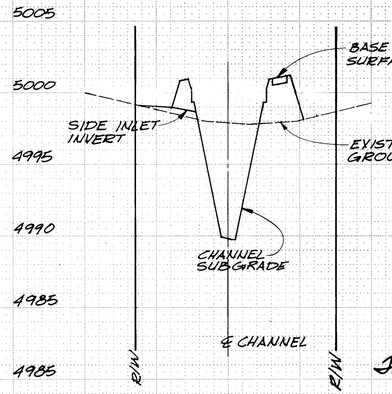


STATION 34 + 00



STATION 37 + 00

RECORD DRAWING

These record drawings apply only to those facilities constructed under the contract identified in the title block and have been prepared in part, on the basis of information compiled and furnished by others. Bohannan Huston Incorporated will not be responsible for any errors or omissions which have been incorporated into this drawing as a result of the work by others.

SCALE
1" = 50' HORIZ.
1" = 5' VERT.

THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS
AMOLE DEL NORTE DATUM + 0.32 FT.
= ACS DATUM (1929 MSLD)

CHANNEL CROSS SECTIONS

STA. 28+00.00 TO STA. 38+25.00

AMOLE DEL NORTE STORM DIVERSION FACILITY

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR
STATE OF NEW MEXICO
No. 4739
THORNTON B. SCHWENK

26 2480 1987

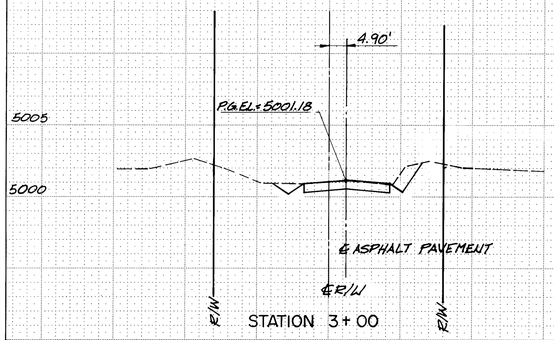
DRAWING NO. 2480

SHEET 19 OF 21

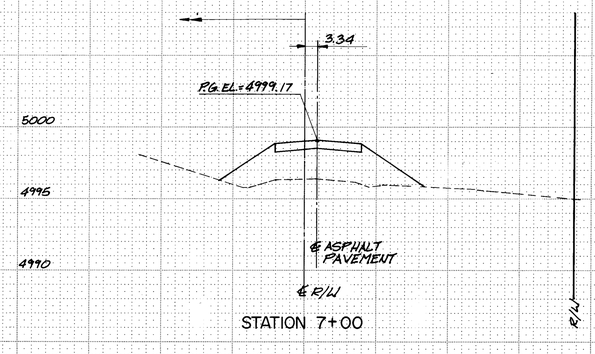
PLATE 3 CROSS SECTION - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

FINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
NO.
BY
DATE
AREAS
AREAS CHECKED

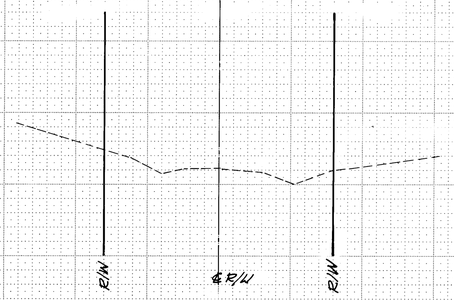
ORIGINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
NO.
BY
DATE
AREAS
AREAS CHECKED



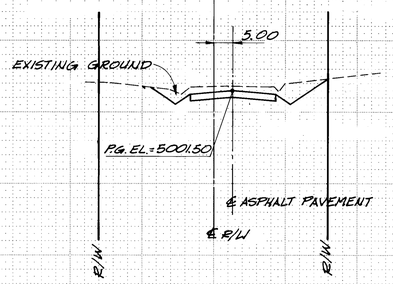
STATION 3+00



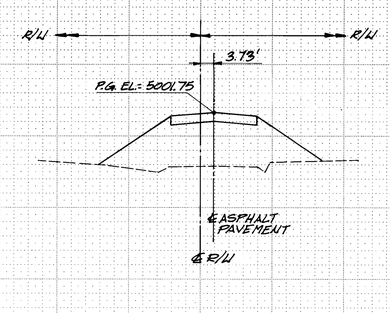
STATION 7+00



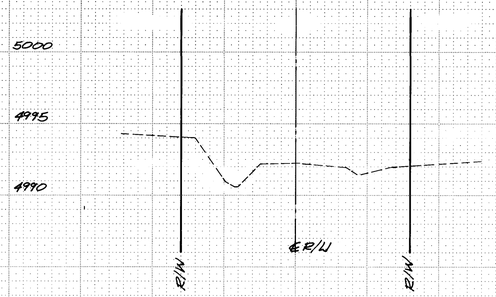
STATION 11+00



STATION 2+75

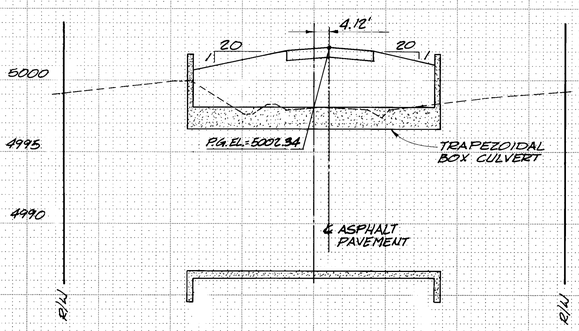


STATION 6+00

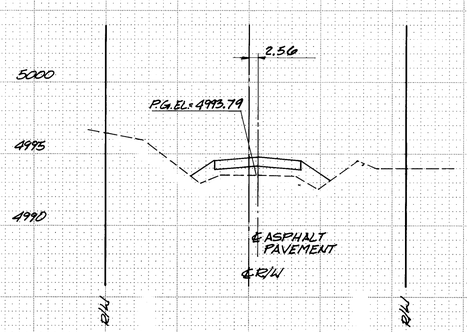


STATION 10+00

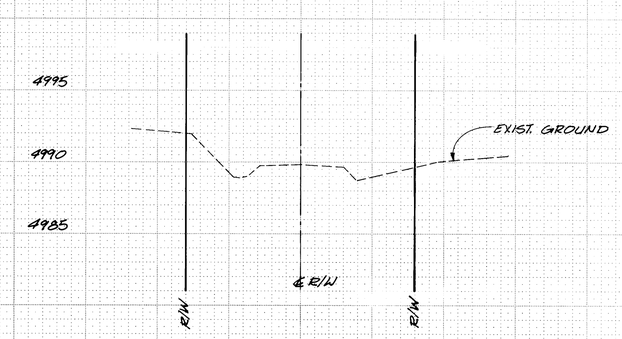
STATION 2+00



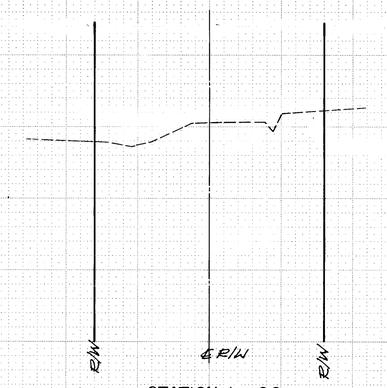
STATION 5+00



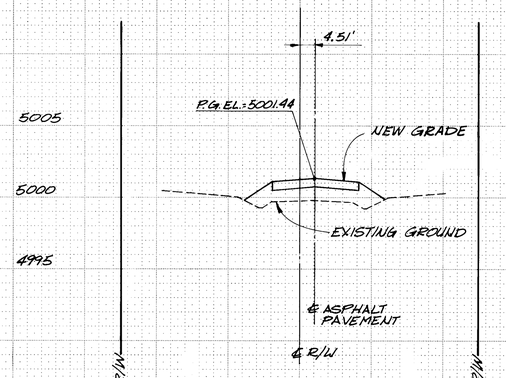
STATION 9+00



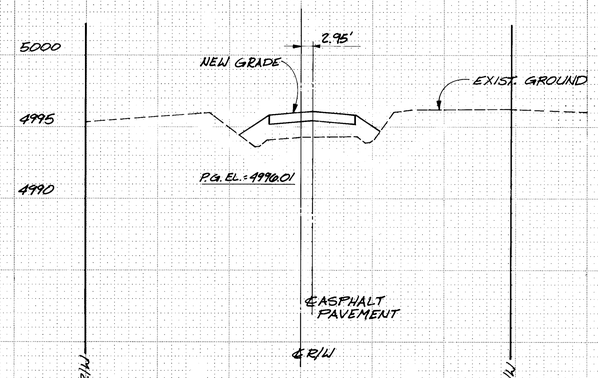
STATION 12+00



STATION 1+00



STATION 4+00



STATION 8+00

RECORD DRAWING

These record drawings apply only to those sections constructed within the contract specified on the title block and were prepared from, in part, of the basis of information contained and furnished by others. Boyle Engineering Corporation will not be responsible for any errors or omissions which have been encountered with the drawing as a result of the work by others.

THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS.
AMOLE DEL NORTE DATUM + 0.32 FT.
= ACS DATUM (1929 MSLD)

1 2 3 4 5 6 7 8 9 10 11
26 24 80 2087

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

REGISTERED PROFESSIONAL ENGINEER No. 4739 STATE OF NEW MEXICO THORNTON D. SCHWEIKERT

BLAKE ROAD CROSS SECTIONS
STA 0+00.00 TO STA. 12+00.00
AMOLE DEL NORTE STORM DIVERSION FACILITY

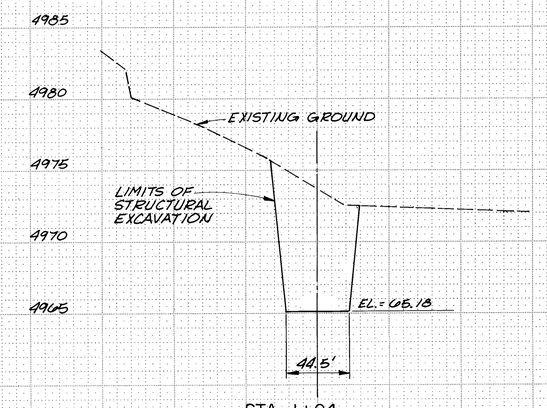
DRAWING NO. 2480
SHEET 20 OF 21

FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — NUMBERS — AREAS — AREAS CHECKED — BY — DATE

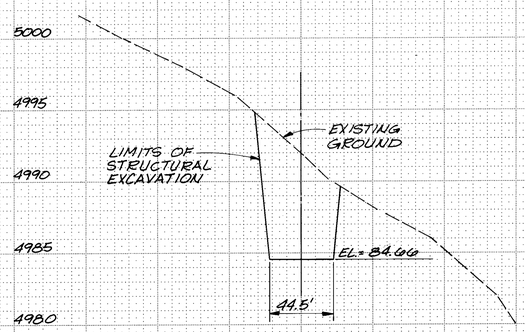
ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — NUMBERS — AREAS — AREAS CHECKED — BY — DATE

PLATE 3 CROSS SECTION - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

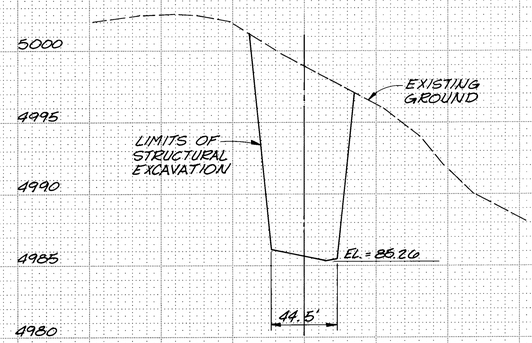
FINAL SURVEY	SURVEYED	BY
	PLOTTED	
NOTE BOOK	CHECKED	
NO.	AREAS CHECKED	DATE



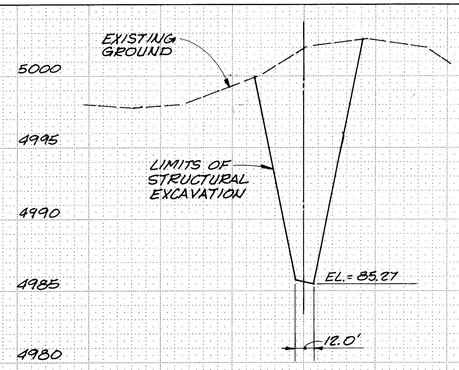
STA. -1+04



STA. -0+38

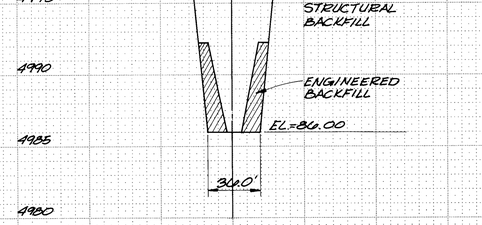


STA.-0+13

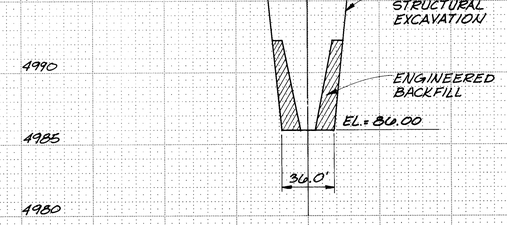


STA. 0+12

STRUCTURAL EXCAVATION FOR ENERGY DISSIPATOR



STA. 10+94.47



STA. 11+66.47

STRUCTURAL EXCAVATION FOR BLAKE ROAD CROSSING STRUCTURE

ORIGINAL SURVEY	SURVEYED	BY
	PLOTTED	
NOTE BOOK	CHECKED	
NO.	AREAS CHECKED	DATE

RECORD DRAWING

These record drawings apply only to those additions constructed under the contract identified in the title block and are based on data, in part, on test beds of information compiled and furnished by others. Smith Engineering Corporation will not be responsible for any errors or omissions which have been incorporated into these drawings as a result of the work by others.

SCALE:
1"=50' HORIZ.
1"=5' VERT.

THE FOLLOWING VERTICAL EQUATION IS NEEDED TO MATCH AMOLE DEL NORTE AERIAL TOPOGRAPHIC ELEVATIONS APPEARING IN THESE DRAWINGS WITH ALBUQUERQUE CITY SURVEY ELEVATIONS
AMOLE DEL NORTE DATUM + 0.32 FT.
= ACS DATUM (1929 MSLD)

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR
STATE OF NEW MEXICO
No. 4739
THURSTON D. SCHWENK

STRUCTURAL EXCAVATION CROSS SECTIONS

AMOLE DEL NORTE STORM DIVERSION FACILITY

26 248 02187

DRAWING NO. 2480

SHEET 21 OF 21