AMOLE DEL NORTE
STORM DIVERSION FACILITIES
TIERRA BAYITA DRAINAGE FACILITIES

FOR

CITY OF ALBUQUERQUE - PUBLIC WORKS DEPARTMENT

PHASE IIIA

CITY OF ALBUQUERQUE, NEW MEXICO

OCTOBER 1991

INDEX TO DRAWINGS

GENERAL NOTES

1. ALL WORK DETAILED ON THIS PROJECT SHALL BE DONE IN ACCORDANCE WITH "CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", 1986 AND ANY REVISIONS AND ADDITIONS IN THE SUPPLEMENTAL SPECIFICATIONS IN THE CONTRACT DOCUMENTS.
2. ALL BRIDGE WORK DETAILED ON THIS PROJECT SHALL BE DONE IN ACCORDANCE WITH "NEW MEXICO STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" 1984 EDITION.
3. ALL EXISTING UTILITIES SHOWN HERE WERE OBTAINED AS ACCURATELY AS POSSIBLE FROM RECORD DRAWINGS AND SPOT EXCAVATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT,MAINTAIN IN SERVICE, AND VERIFY EXACT LOCATIONS OF ALL AFFECTED UTILITIES DURING CONSTRUCTION OF THIS PROJECT.
4. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES WHEN WORKING NEAR THEIR SYSTEMS. TWO DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE-CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
5. 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 PROJECT MANAGER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
6. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED. CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION4.4 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
7. CURB RETURN RADII AND STREET WIDTHS ARE TO THE FACE OF CURB UNLESS OTHERWISE INDICATED ON THE PLANS.
8. REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK SHALL BE TO THE NEAREST JOINT OR SAW CUT.
9. WHEN MATCHING NEW PAVING TO EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVING ON A RIGHT ANGLE OR AS DIRECTED BY THE PROJECT MANAGER TO REMOVE ANY BROKEN, RAVELED, OR CRACKED PAVING. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
10. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT, WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR OR HIS SUBCONTRACTORS, SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
11. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
12. ACCESS TO LOCAL BUSINESS AND RESIDENCES SHALL BE KEPT OPEN AT ALL TIMES. TEMPORARY ACCESS CLOSURES, IF REQUIRED, SHALL BE SCHEDULED AT LEAST TWENTY-FOUR (24) HOURS IN ADVANCE WITH PROPERTY OWNER AND APPROVED BY THE PROJECT MANAGER.
13. TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
14. REMOVALS SHALL BE DISPOSED OF OFF-SITE AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
15. THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL IN AN ENVIRONMENTALLY ACCEPTABLE MANNER AT A LOCATION ACCEPTABLE TO THE PROJECT MANAGER. THERE WILL BE NO DIRECT COMPENSATION FOR THIS WORK.
16. CONTRACTOR SHALL PROVIDE A TEMPORARY STORM DRAINAGE SYSTEM (SUBJECT TO APPROVAL BY THE CITY HYDROLOGY DIVISION AND THE CITY CONSTRUCTION PROJECT MANAGER) FOR ALL WORK ON THIS PROJECT. THE TEMPORARY SYSTEM SHALL BE CAPABLE OF SAFELY CONVEYING EXISTING RUNOFF ACROSS THE PROJECT AND DISCHARGING INTO THE EXISTING DRAINAGE SYSTEM.
17. THE AIR POLLUTION CONTROL REGULATIONS OF THE ALBUQUERQUE - BERNALILLO COUNTY AIR CONTROL BOARD, LIMIT EMISSION OF PARTICULATE MATTER AND THE USE OF CUT BACK ASPHALT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FULLY INFORMED OF THESE RESTRICTIONS PRIOR TO SUBMITTAL OF BIDS TO AVOID CONFLICT WITH THE REGULATIONS.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO LANDSCAPING AND IRRIGATION SYSTEMS WITHIN WORK AREA NOT COVERED IN THE PLANS.
19. ALL FLOWS INCLUDE A 10% SEDIMENT BULKING FACTOR.
20. SESAME STREET OR 75TH STREET CAN BE CLOSED DURING CONSTRUCTION. ONE STREET MUST REMAIN OPEN AT ALL TIMES TO PROVIDE ACCESS.
21. ALL STORM DRAIN PIPE SHALL BE REINFORCED CONCRETE PIPE UNLESS OTHERWISE NOTED.

APPROVAL AS BUILT DRAWINGS CITY CONSTRUCTION ENGINEER
DATE 6-1-93

26 4076.900193

RECORD DRAWING

REV	SHEETS	CITY ENGR	DATE	USER DEPT.	DATE	USER DEPT.	DATE

APPROVAL OF REVISIONS

Greiner, Inc.
5971 JEFFERSON BLVD. NE
SUITE 101
ALBUQUERQUE, NM 87109
(505) 345-3999

APPROVED FOR CONSTRUCTION
10-28-91

9-19-91

DRAWING NO.
CITY PROJECT # 4076.90

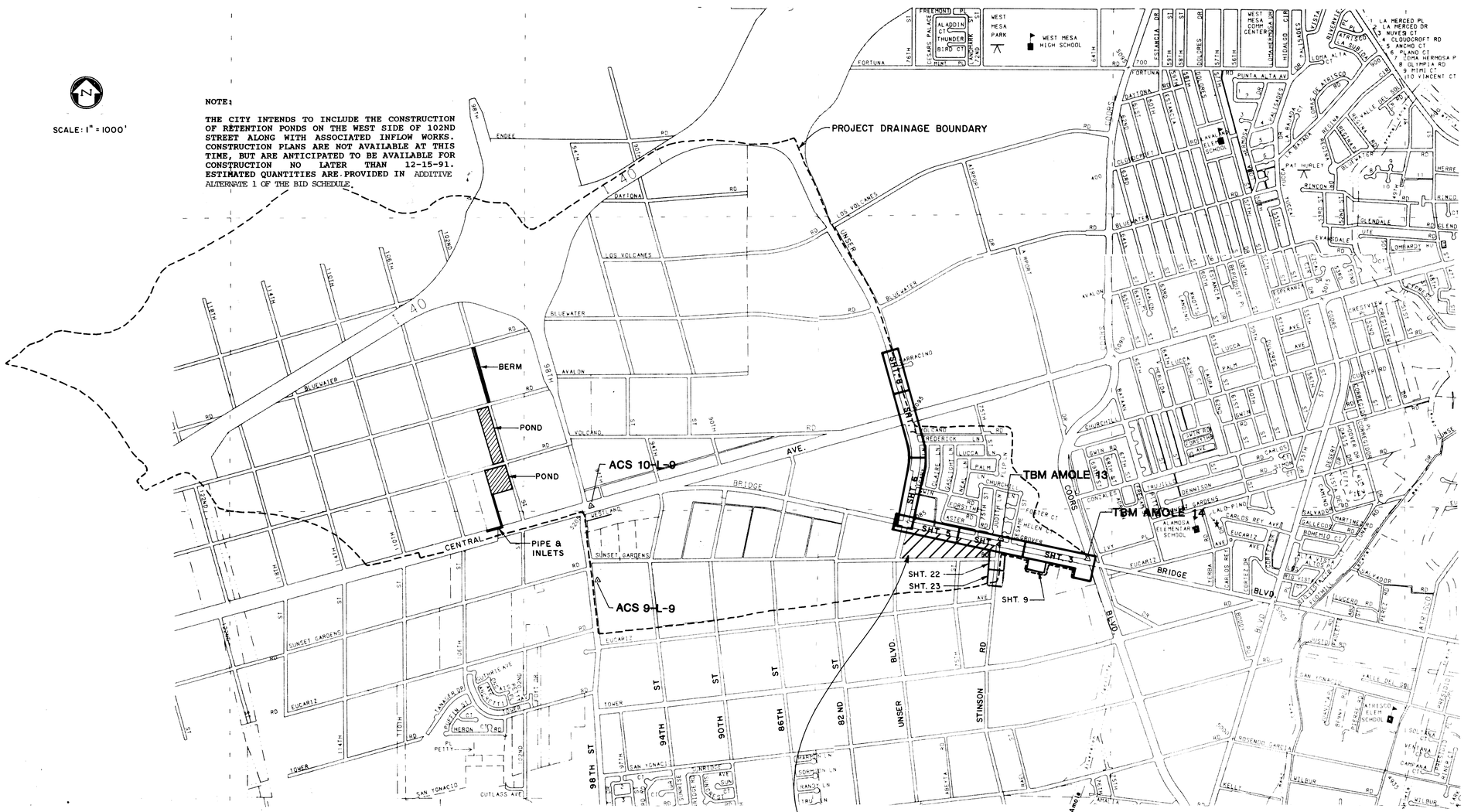
SHEET 1 OF 35

G101C04

SCALE: 1" = 1000'

NOTE:

THE CITY INTENDS TO INCLUDE THE CONSTRUCTION OF RETENTION PONDS ON THE WEST SIDE OF 102ND STREET ALONG WITH ASSOCIATED INFLOW WORKS. CONSTRUCTION PLANS ARE NOT AVAILABLE AT THIS TIME, BUT ARE ANTICIPATED TO BE AVAILABLE FOR CONSTRUCTION NO LATER THAN 12-15-91. ESTIMATED QUANTITIES ARE PROVIDED IN ADDITIVE ALTERNATE 1 OF THE BID SCHEDULE.



PROJECT BENCH MARKS

ACS 10-L-9 — ALUMINUM CAP SET IN CONCRETE CURB ON THE NORTHEASTERLY TURN ISLAND IN THE INTERSECTION OF 98th STREET AND CENTRAL AVENUE.
N = 1,482,085.203 E = 352,792.376
ELEV = 5204.425

ACS 9-L-9 — ALUMINUM CAP SET IN 3" PIPE APPROXIMATELY 30' EAST OF THE EDGE OF PAVEMENT ON 98th STREET AND APPROXIMATELY 1/4 MILE SOUTH OF CENTRAL AVENUE.
N = 1,480,156.190 E = 353,052.987
ELEV = (HORIZ. CONTROL ONLY)

TBM - AMOLE 13 — BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SESAME STREET.
N = 1,481,394.909 E = 360,370.080
ELEV = 5072.064

TBM - AMOLE 14 — BRASS CAP ON THE NORTHWESTERLY TURN ISLAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD.
N = 1,481,037.480 E = 361,880.107
ELEV = 5035.731

FILL SITE FOR PORTION OF EXCESS CUT MATERIAL TO BE PLACED AND COMPACTED. GRADING PLAN TO BE PROVIDED NO LATER THAN DECEMBER 23, 1991. ESTIMATED QUANTITIES ARE PROVIDED IN THE BASE BID OF THE BID PROPOSAL.

PROJECT LEGEND

DESCRIPTION	EXISTING	NEW
RIGHT-OF-WAY LINE		
CONTOUR	5090	
SPOT ELEVATION	X 89.5	
CONTROL POINT	◇	
GUARD RAIL		
BUILDING		
SIGN	•S	
POWER POLE		
LIGHT POLE		
TRAFFIC LIGHT	TL	
FIRE HYDRANT		
TELEPHONE RISER		
FENCE	-X-X-	
WALL	-W-W-	
WATER METER		
WATER VALVE		
SANITARY MANHOLE		
STORM DRAIN MANHOLE		
TELEPHONE MANHOLE		
SANITARY SEWER LINE	-SAS-	SAS
WATER LINE	-W-	W
STORM DRAIN LINE	-SD-	SD
GAS LINE	-G-	
CABLE TV LINE	-CATV-	
OVERHEAD ELECTRIC LINE	-OHE-	
UNDERGROUND TELEPHONE	-UGT-	
CONCRETE CHANNEL		

AS BUILT INFORMATION

CONTRACTOR: MOORE & COWART — DATE: 1992
WORK STAKED BY: WALKER — DATE: 1992
INSPECTORS: C. PEDRORETTI
ACCEPTANCE BY: COA PW — DATE: 9-92
FIELD BOOK: WALKER — DATE: 9-92
VERIFICATION BY: GREINER — DATE: 9-92
CORRECTED BY: MICRO-FILM INFORMATION

BENCH MARKS

NO.	DESCRIPTION	DATE
	TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SESAME STREET. N = 1,481,394.909 E = 360,370.080 ELEV = 5072.064	
	TBM-AMOLE 14 - BRASS CAP ON THE NORTHWESTERLY TURN ISLAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD. N = 1,481,037.480 E = 361,880.107 ELEV = 5035.731	

SURVEY INFORMATION

RECORDED BY: — DATE:
NO.

FIELD NOTES

NO.	BY	DATE
1880	GREINER	6-7/90
1883	GREINER	7&9/90
1886	GREINER	12/90
1893	GREINER	12/90
1633	GREINER	1/91
1910	GREINER	9-10/91

ENGINEER'S SEAL

MARK S. HOLSTAD — NEW MEXICO — No. 7288 — REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS
		REVISIONS
		DESIGN

DESIGNED BY MSH — DATE 10/91
DRAWN BY AH — DATE 10/91
CHECKED BY MSH/JLB/LSJ — DATE 10/91

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4076.90 0 0 2 9 3

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III
TIERRA BAYITA DRAINAGE FACILITIES

SHEET LAYOUT & LEGEND

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC. CHAIRMAN	Roger Green	10-23-91	WATER	[illegible]	10-1-91
TRANSPORTATION	[illegible]	10-21-91	WASTE WATER	[illegible]	"
HYDROLOGY	[illegible]	9-24-91			

DRAWING NO. 4076.90 — MAP NO. — SHEET 2 OF 35

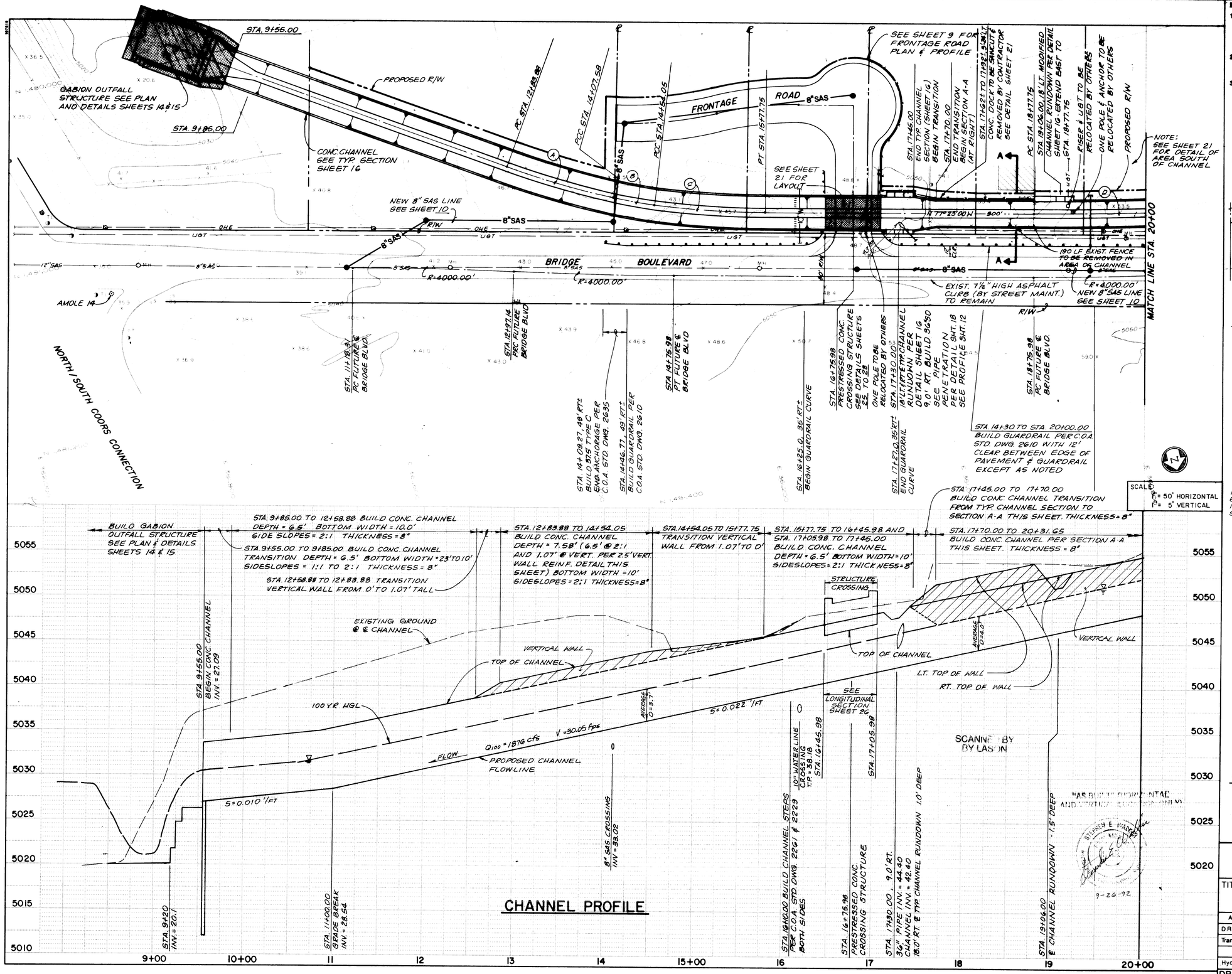
RECORD DRAWING

NOTES:

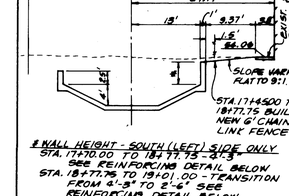
1. CONTRACTOR TO CONTACT PNM AT LEAST THREE WORKING DAYS PRIOR TO EXCAVATING ADJACENT TO POWER POLES. CONTRACTOR SHALL COORDINATE WITH PNM IN SUPPORTING THESE POLES INCLUDING ANY PAYMENT REQUIRED BY PNM.
2. THE AT&T FIBER OPTIC CABLE MUST BE COVERED AT NIGHT OR AT&T SHALL BE CONTACTED TO PROVIDE A GUARD.
3. ALL STATIONING IS ALONG CENTERLINE OF CHANNEL.

CENTER LINE CURVE DATA:

A	Δ = 07°05'15"	C	Δ = 07°05'15"
	R = 1000.00'		R = 1000.00'
	L = 123.70'		L = 123.70'
	T = 61.93'		T = 61.93'
B	Δ = 06°19'30"	D	Δ = 02°33'49"
	R = 500.00'		R = 4000.00'
	L = 46.47'		L = 178.90'
	T = 23.25'		T = 83.47'

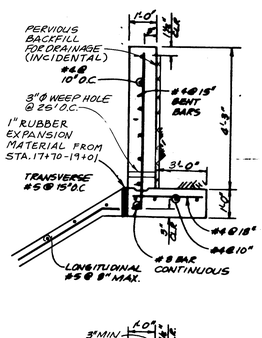


CHANNEL PROFILE



SECTION A-A

NTS



VERTICAL WALL REINFORCING

NTS

26 4076.900393

SCANNED BY BY LASON

"AS BUILT" HORIZONTAL AND VERTICAL ALIGNMENT

STEPHEN E. PARKER NEW MEXICO 9-26-92

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
1580	GREINER	6-1790
1603	GREINER	7/24/90
1696	GREINER	10/90
1699	GREINER	11/90
1823	GREINER	1/91
1910	GREINER	5-10-91

AS BUILT INFORMATION

CONTRACTOR: JOORE & GOWART 1992

WORK STAKED BY: WALKER DATE 1992

OPERATIONS: C.O.A. DWG. DATE 9-92

ACCEPTANCE BY: C.O.A. DWG. DATE 9-92

FIELD VERIFICATION BY: WALKER DATE 9-92

DRAWING CORRECTED BY: WALKER DATE 9-92

MICRO-FILM INFORMATION

RECORDED BY: DATE

NO

BENCH MARKS

TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SEDANO STREET. N = 1,481,864.006 E = 360,370.080 ELEV = 5072.064

TBM-AMOLE 14 - BRASS CAP ON THE NORTHWESTERLY TURN ISLAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD. N = 1,481,037.480 E = 361,883.107 ELEV = 5035.731

ENGINEER'S SEAL

MARK S. HOLSTAD NEW MEXICO REGISTERED No. 7288 PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 8/90 8/91
		DESIGNED BY MSH	
		DRAWN BY PRW	DATE 8/90
		CHECKED BY MSH/JJB/LSJ	DATE 8/90 8/91

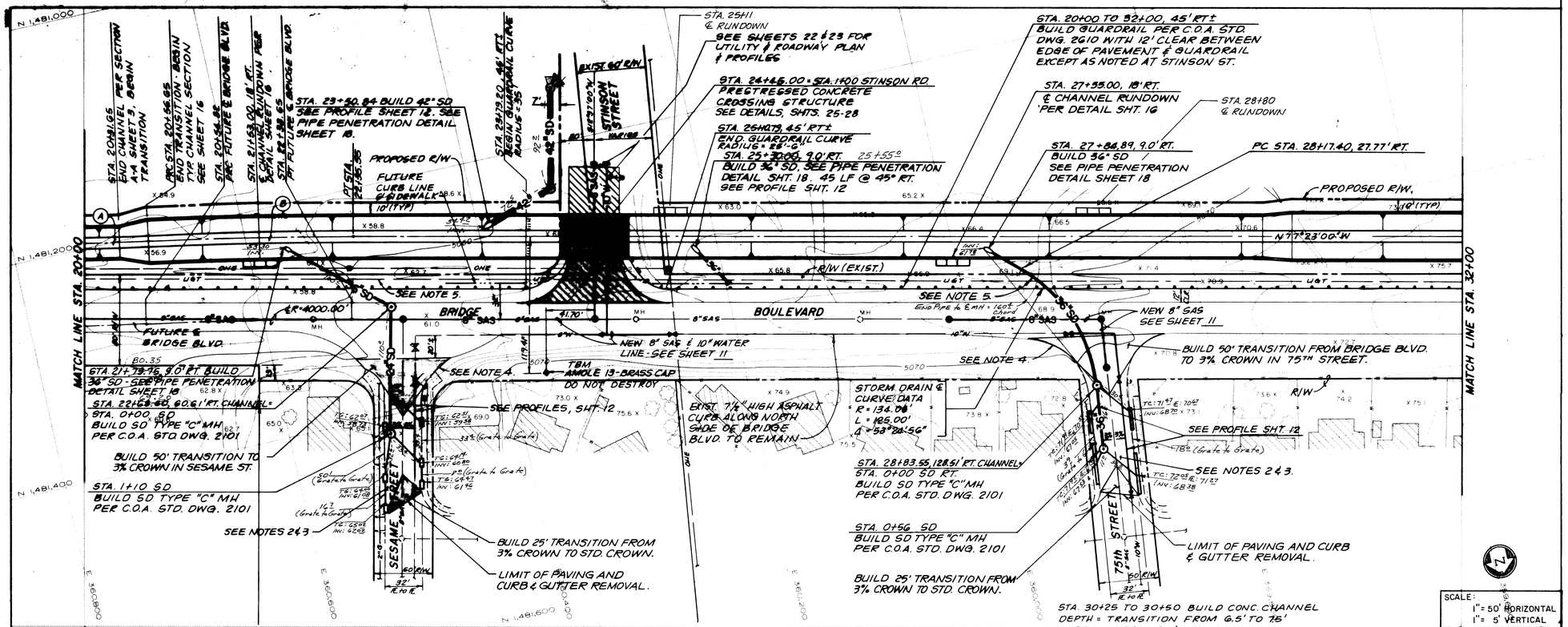
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III
TIERRA BAYITA DRAINAGE FACILITIES
BRIDGE BOULEVARD - STA. 9+00 TO STA. 20+00
CHANNEL & STORM DRAIN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		10-23-91	Water		10-1-91
Trans. Dev.		10-21-91	Wastewater		"
Hydrology		9-24-91			

DRAWING NO. 4076.90 | MAP NO. L-10 | SHEET 3 OF 35

RECORD DRAWING



CENTER LINE CURVE DATA:

A Δ = 02°33'45"
R = 4000.00'
L = 178.90'
T = 83.47'

B Δ = 02°33'45"
R = 4000.00'
L = 178.90'
T = 83.47'

NOTES:

1. CONTRACTOR TO CONTACT PNM AT LEAST THREE WORKING DAYS PRIOR TO EXCAVATING ADJACENT TO POWER POLES. CONTRACTOR SHALL COORDINATE WITH PNM IN SUPPORTING THESE POLES INCLUDING ANY PAYMENT REQUIRED BY PNM.
2. SESAME STREET & 75th STREET SHALL BE PAVED AS SHOWN IN C.O.A. STD. DWG. 2408 FOR RESIDENTIAL STREETS, ASPHALT CONCRETE PAVEMENT SECTION - USING A 3% PAVEMENT SLOPE INSTEAD OF 2%.
3. CURB & GUTTER SHALL BE REMOVED AS NECESSARY FOR CONSTRUCTION AND REPLACED WITH STANDARD CURB & GUTTER PER C.O.A. STD. DWG. 2415.
4. ASPHALT CURB EXISTS ALONG THE NORTH SIDE OF BRIDGE BLVD. AND SHALL BE REMOVED ONLY AS NECESSARY FOR CONSTRUCTION AND REPLACED WITH ASPHALT CURB PER C.O.A. STD. DWG. 2415.
5. THE AT&T FIBER OPTIC CABLE MUST BE COVERED AT NIGHT OR AT&T SHALL BE CONTACTED TO PROVIDE A GUARD.
6. ALL STATIONING IS ALONG CENTERLINE OF CHANNEL EXCEPT AT SESAME ST. & 75th ST.

SCALE:
1" = 50' HORIZONTAL
1" = 5' VERTICAL

SURVEY INFORMATION — FIELD NOTES

NO.	BY	DATE
1590	GREENER	6-7/90
1593	GREENER	7&8/90
1598	GREENER	12/90
1603	GREENER	1/90
1623	GREENER	1/91
1910	GREENER	9-10/91

AS BUILT INFORMATION

CONTRACTOR: MOORE & COWART 1992
WORK STARTED: WALKER DATE 1992
WORK COMPLETED: C.P.MANAGEMENT C.O.A. JW DATE 9-92
ACCEPTANCE BY: C.O.A. JW DATE 9-92
FIELD LOCATION BY: WALKER DATE 9-92
DRAWING CORRECTION BY: WILDERT DATE 9-92
CORRECTED BY: GERGER DATE 9-92
RECORDED BY: MICRO-FILM INFORMATION
DATE:
NO.

BENCH MARKS

TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SESAME STREET. N = 1,481,394.909 E = 360,370.080 ELEV = 5072.084
TBM-AMOLE 14 - BRASS CAP ON THE NORTH/WESTERLY TURN ISLAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD. N = 1,481,057.480 E = 361,488.107 ELEV = 5055.731

ENGINEER'S SEAL
MARK S. HOLSTAD NEW MEXICO No. 7288 REGISTERED

"AS-BUILT" INFORMATION ONLY
AND VERIFICATION ONLY
STEPHEN E. WALL
9-26-92
SCANNED BY BY LASON

NO.	DATE	REMARKS
		REVISIONS
		DESIGN
		DESIGNED BY MSH/SKJ DATE 8-91
		DRAWN BY YAH/PRW DATE 8-91
		CHECKED BY LSJ DATE 8-91

26 4076.900493

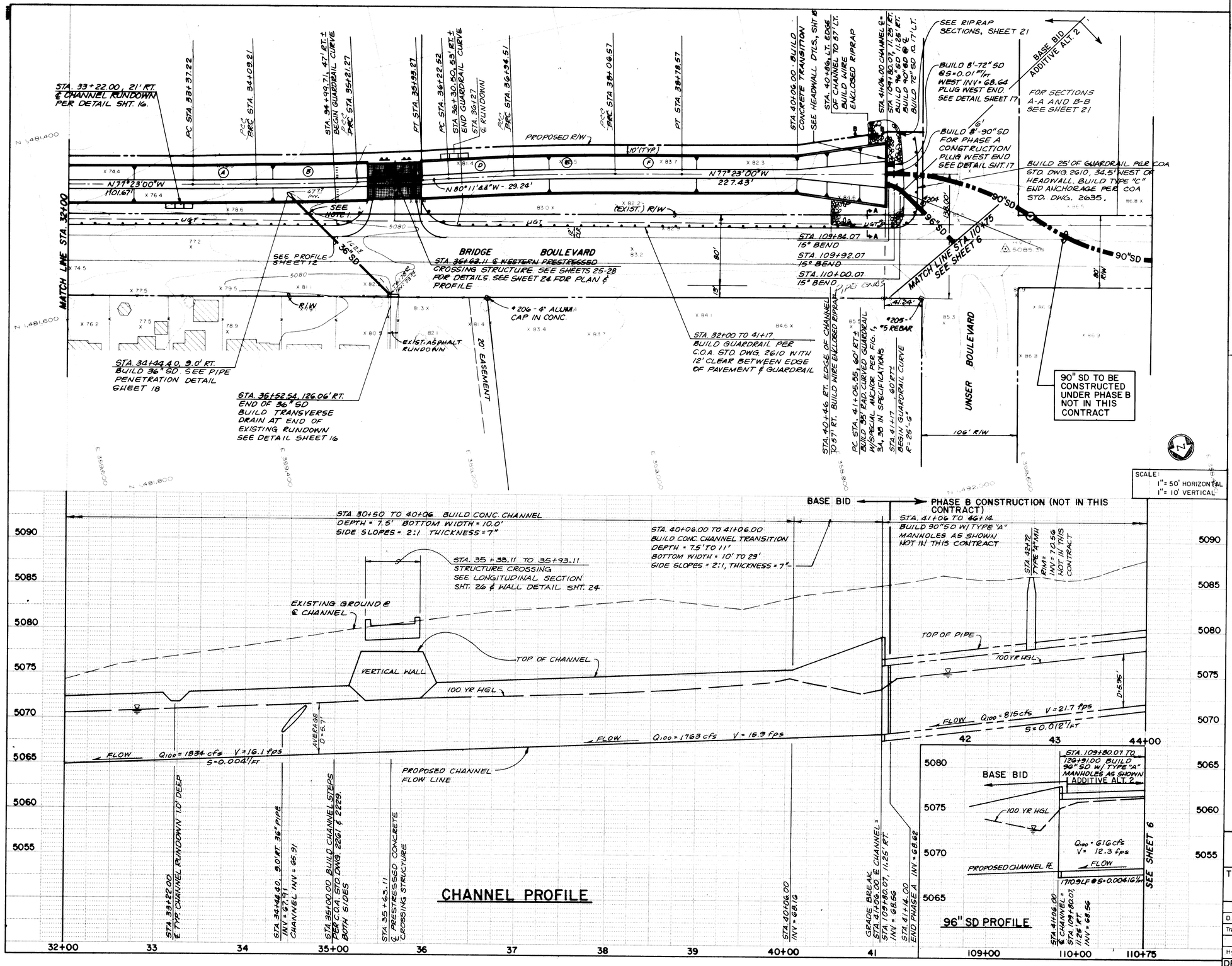
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III
TIERRA BAYITA DRAINAGE FACILITIES
BRIDGE BOULEVARD - STA. 20+00 TO STA. 32+00
CHANNEL & STORM DRAIN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		10-2-91	Water		10-1-91
Trans. Dev.		10-01-91	Wastewater		"
Hydrology		9-24-91			

DRAWING NO. 4076.90 | MAP NO. L-10 | SHEET 4 OF 35

RECORD DRAWING



CENTER LINE CURVE DATA:

- (A) Δ = 00°38'00" R = 7500.00' L = 72.00' T = 36.00'
- (B) Δ = 01°42'44" R = 3749.83' L = 112.06' T = 56.03'
- (C) Δ = 00°33'00" R = 7500.00' L = 72.00' T = 36.00'
- (D) Δ = 00°33'00" R = 7500.00' L = 72.00' T = 36.00'
- (E) Δ = 01°42'44" R = 3749.83' L = 112.06' T = 56.03'
- (F) Δ = 00°33'00" R = 7500.00' L = 72.00' T = 36.00'

PHASE A

NOTES:

1. THE AT&T FIBER OPTIC CABLE MUST BE COVERED AT NIGHT OR AT&T SHALL BE CONTACTED TO PROVIDE A GUARD.
2. ALL STATIONING IS ALONG CENTERLINE OF CHANNEL.

AS BUILT INFORMATION

CONTRACTOR: LOOSE & COWART 1992
WORK STAKED BY: WALKER DATE 1992
INSPECTOR'S DIARY: C. REINKENSELD
ACCEPTANCE LETTER: C.O.A. PW DATE 9-92
FIELD VERIFICATION BY: WALKER DATE 9-92
DRAWINGS CHECKED BY: WUEBER DATE 9-92
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO

BENCH MARKS

TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SESAME STREET. N = 1,481,394.909 E = 360,370.080 ELEV = 5072.064
TBM-AMOLE 14 - BRASS CAP ON THE NORTHWESTERLY TURN ISLAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD. N = 1,481,037.480 E = 361,880.107 ELEV = 5035.731

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
1880	GREINER	6-7/90
1883	GREINER	7&9/90
1886	GREINER	12/90
1893	GREINER	12/90
1893	GREINER	1/91
1910	GREINER	9-10/91

ENGINEER'S SEAL

MARK S. HOLSTAD NEW MEXICO No. 7288 REGISTERED PROFESSIONAL ENGINEER

STEPHEN E. WALKER NEW MEXICO 6845 REGISTERED PROFESSIONAL SURVEYOR
9-26-92

SCANNED BY BY LASON

26 4076.900593

NO.	DATE	REMARKS
		REVISIONS
		DESIGN BY
		DESIGNED BY SKT DATE 10-90
		DRAWN BY AH DATE 10-90
		CHECKED BY LSJ DATE 8-91

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

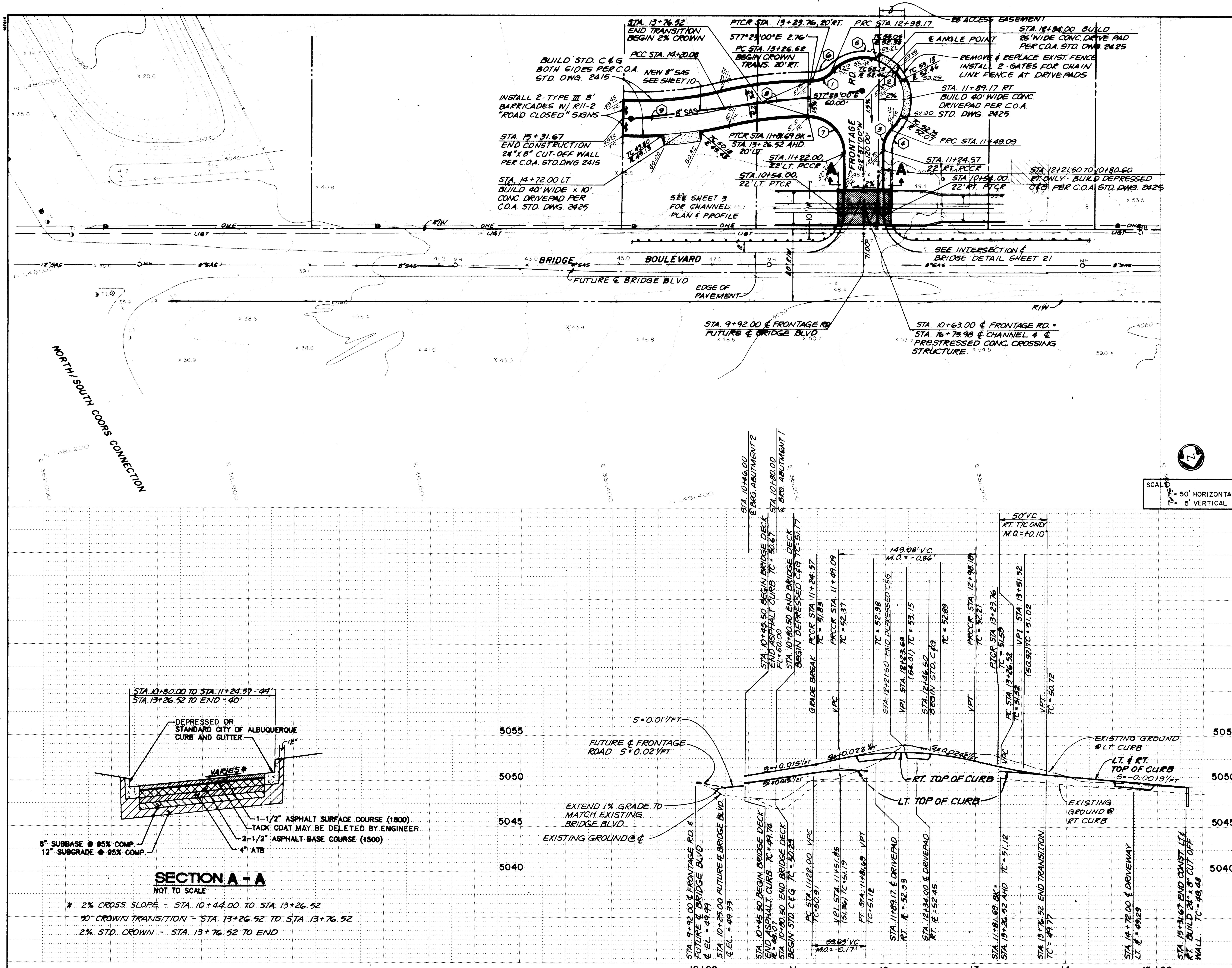
TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III
TIERRA BAYITA DRAINAGE FACILITIES
BRIDGE BOULEVARD - STA 32+00 TO STA. 41+06
CHANNEL & STORM DRAIN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		10-1-91
Trans. Dev.		10-01-91	Wastewater		"
Hydrology		9-24-91			

DRAWING NO. 4076.90 | MAP NO. L-10 | SHEET 5 OF 35

RECORD DRAWING

MAPS
6, 7, 8.
missing



FRONTAGE ROAD CURVE DATA	
① Δ = 48°01'53" R = 35.60' L = 25.85' T = 13.65'	⑦ Δ = 50°06'50" R = 35.00' L = 30.60' T = 36.80'
② Δ = 188°41'13" R = 46.00' L = 149.08' T = –	⑧ Δ = 13°34'04" R = 400.00' L = 88.88' T = 46.98'
③ Δ = 46°46'35" R = 30.00' L = 24.52' T = 12.98'	⑨ Δ = 15°59'05" R = 400.00' L = 111.59' T = 56.16'
④ Δ = 41°40'12" R = 30.00' L = 21.82' T = 11.42'	
⑤ Δ = 175°23'01" R = 53.00' L = 162.28' T = –	
⑥ Δ = 44°02'36" R = 30.00' L = 23.06' T = 12.13'	

AS BUILT INFORMATION
CONTRACTOR: MOORE & COWART 1992
BENCH MARKS
SURVEY INFORMATION — FIELD NOTES
ENGINEER'S SEAL
MARK S. HOLSTAD No. 7288 REGISTERED PROFESSIONAL ENGINEER
"AS-BUILT HORIZONTAL AND VERTICAL LOCATION ONLY"
STEPHEN E. WALKER 6401 REGISTERED PROFESSIONAL SURVEYOR 9-26-92
SCANNED BY BY LASON
26 4076.900993
REVISIONS
DESIGNED BY MSH — DATE 8/90 8/91
DRAWN BY PRW — DATE 8/90 8/91
CHECKED BY MSH/JJB/LSJ — DATE 8/90 8/91

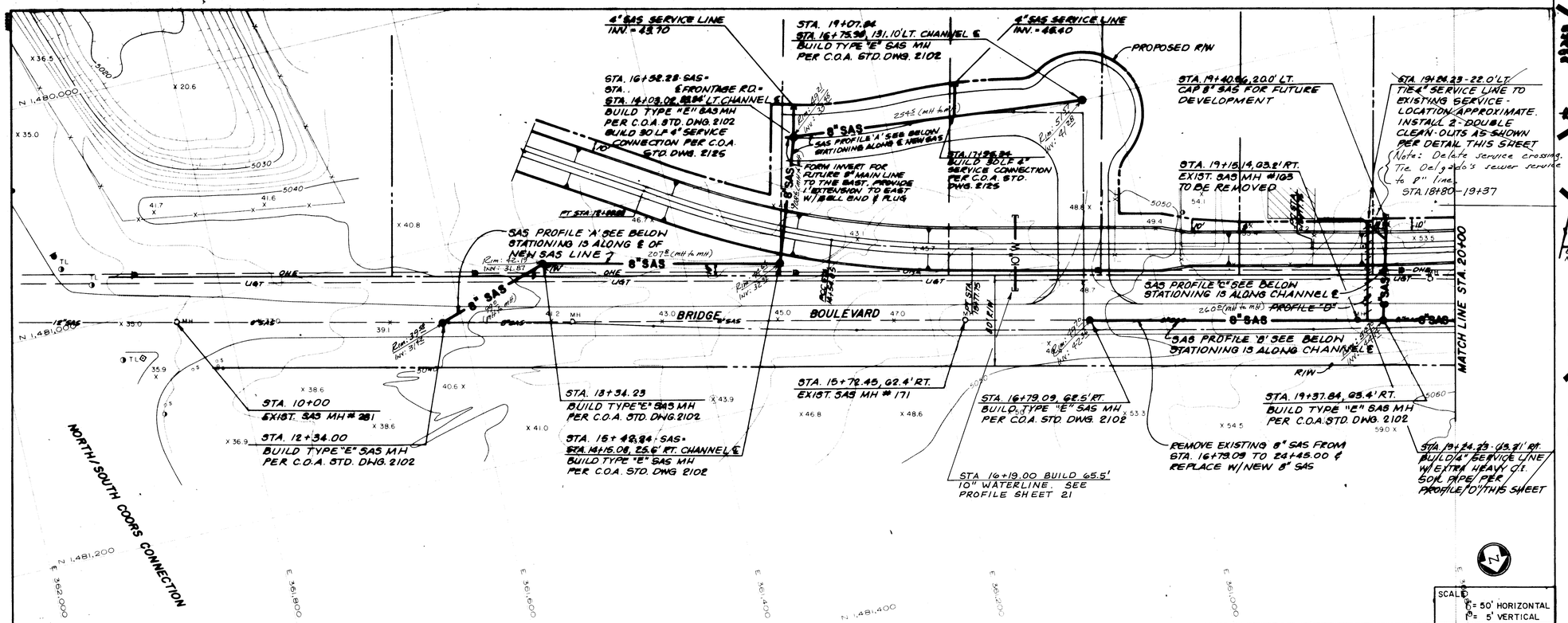
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

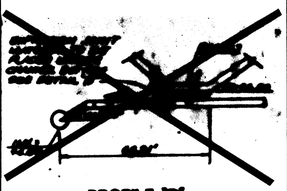
TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III
TIERRA BAYITA DRAINAGE FACILITIES
FRONTAGE ROAD - PAVING

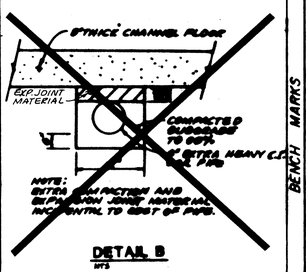
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	[signature]	10-23-91	Water	[signature]	10-1-91
Trans. Dev.	[signature]	10-01-91	Wastewater	[signature]	"
Hydrology	[signature]	9/24/91			

DRAWING NO. 4076.90 | MAP NO. L-10 | SHEET 9 OF 35

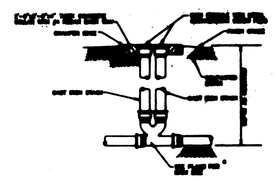
RECORD DRAWING





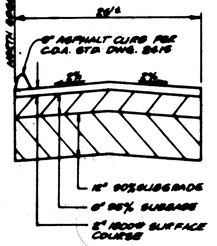


DETAIL B



CLEANOUT DETAIL

SCANNED BY BY LASON.



BRIDGE BOULEVARD REPLACEMENT SECTION

"AS-BUILT" HORIZONTAL AND VERTICAL LOCATION ONLY)

STEPHEN E. WALKER, NEW MEXICO, 6401, REGISTERED PROFESSIONAL SURVEYOR, 9-26-92

AS BUILT INFORMATION

CONTRACTOR: MOORE & COWART 1992
WORK DONE BY: WALKER DATE: 1992
ACCEPTANCE BY: C.O.A. PM MARK: 3-92
VERIFICATION BY: C. PERNORELLI
DRAWINGS BY: WALKER DATE: 3-92
CHECKED BY: WALKER DATE: 3-92

BENCH MARKS

TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SESAME STREET. N = 1,481,364.909 E = 360,370.080 - ELEV = 5072.084

TBM-AMOLE 14 - BRASS CAP ON THE NORTHWESTERLY TURN ISLAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD. N = 1,481,037.480 E = 361,880.107 ELEV = 5035.731

MICRO-FILM INFORMATION

RECORDED BY: DATE
NO:

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
1560	GRENIER	6-7-90
1563	GRENIER	7-24-90
1566	GRENIER	12-90
1563	GRENIER	12-90
1563	GRENIER	1-91
1910	GRENIER	5-10-91

ENGINEER'S SEAL

MARK S. HOLSTAD, NEW MEXICO, No. 7288, REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY MSH	DATE 8/90 8/91
		DRAWN BY PRW	DATE 8/90 8/91
		CHECKED BY MSH/JJB/LSJ	DATE 8/90 8/91

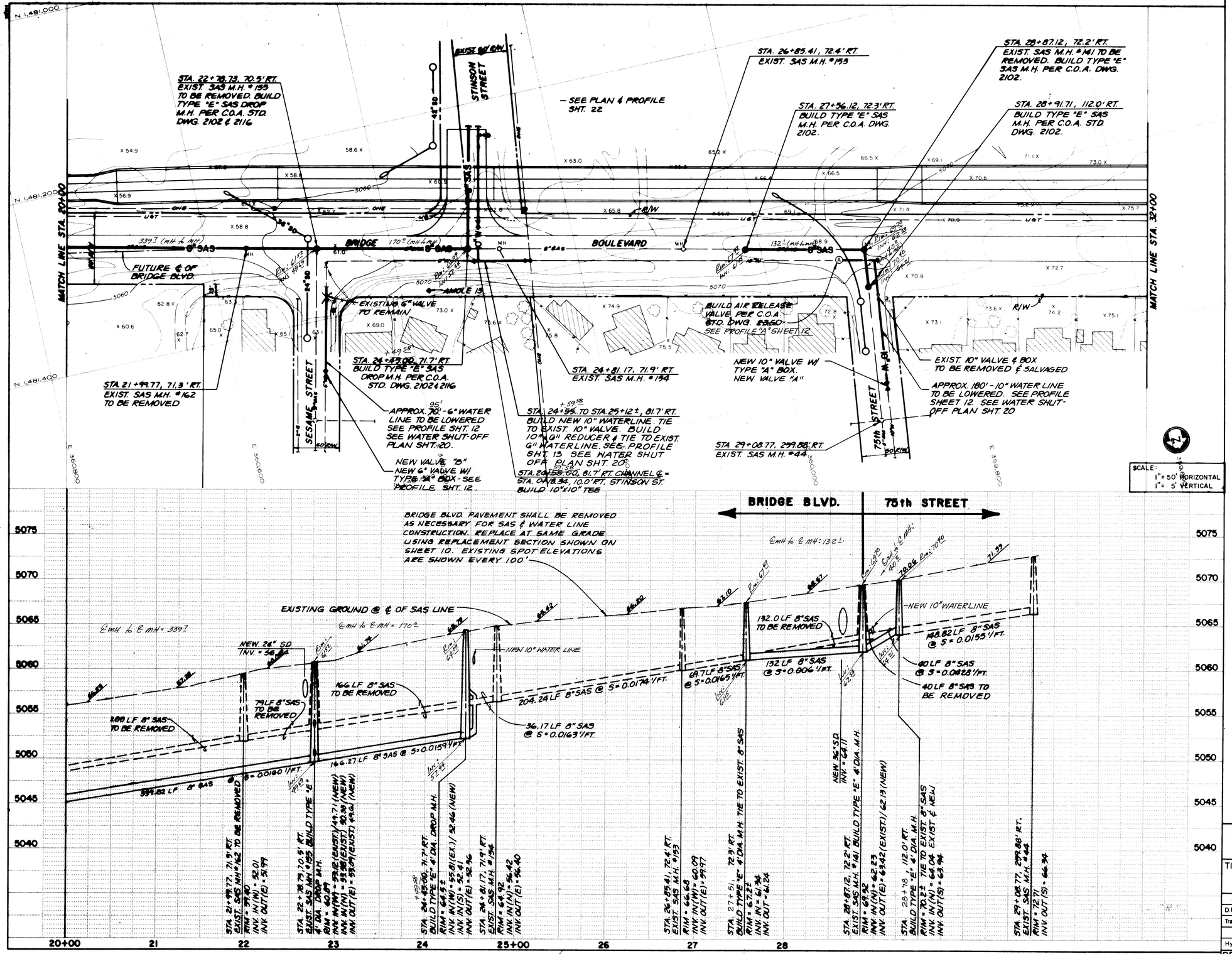
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III
TIERRA BAYITA DRAINAGE FACILITIES
BRIDGE BOULEVARD - STA. 9+00 TO STA. 20+00
WATER & SANITARY SEWER

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		10-23-91	Water		10-1-91
Trans. Dev.		10-21-91	Wastewater		"
Hydrology		9/24/91			

DRAWING NO. 4076.90 | MAP NO. L-10 | SHEET 10 OF 35

RECORD DRAWING



NOTE:
ALL STATIONING IS ALONG CENTERLINE OF CHANNEL.

AS BUILT INFORMATION
CONTRACTOR MOORE & COWART 1992
WORK STAKED BY WALKER DATE 1992
STAKES CHECKED BY C. PERFECTO DATE 9-92
ACCEPTANCE BY DATE
FIELD VERIFICATION BY WALKER DATE 9-92
DRAWING CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS
TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SESAME STREET. N = 1,481,394.909 E = 360,570.080 ELEV = 5072.084
TBM-AMOLE 14 - BRASS CAP ON THE NORTHWESTERLY TURN ISLAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD. N = 1,481,037.480 E = 361,289.107 ELEV = 5055.731

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1980	GRENIER	6-7/90
1983	GRENIER	7&8/90
1986	GRENIER	12/90
1993	GRENIER	12/90
1993	GRENIER	1/91
1910	GRENIER	9-10/91

ENGINEER'S SEAL
MARK S. HOLSTAD NEW MEXICO No. 7298 REGISTERED PROFESSIONAL ENGINEER

SCANNED BY
BY LASON

"AS-BUILT" HORIZONTAL
AND VERTICAL LOCATION ONLY)
STEPHEN E. WALKER NEW MEXICO 6431 REGISTERED PROFESSIONAL SURVEYOR
9-26-92

NO.	DATE	REVISIONS	BY
		DESIGN	DESIGNED BY MSH/SLC DATE 8/91
			DRAWN BY PEW DATE
			CHECKED BY LBJ DATE 8/91

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4076.90 1 1 93

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III
TIERRA BAYTA DRAINAGE FACILITIES
BRIDGE BOULEVARD - STA. 20+00 TO STA. 32+00
WATER & SANITARY SEWER

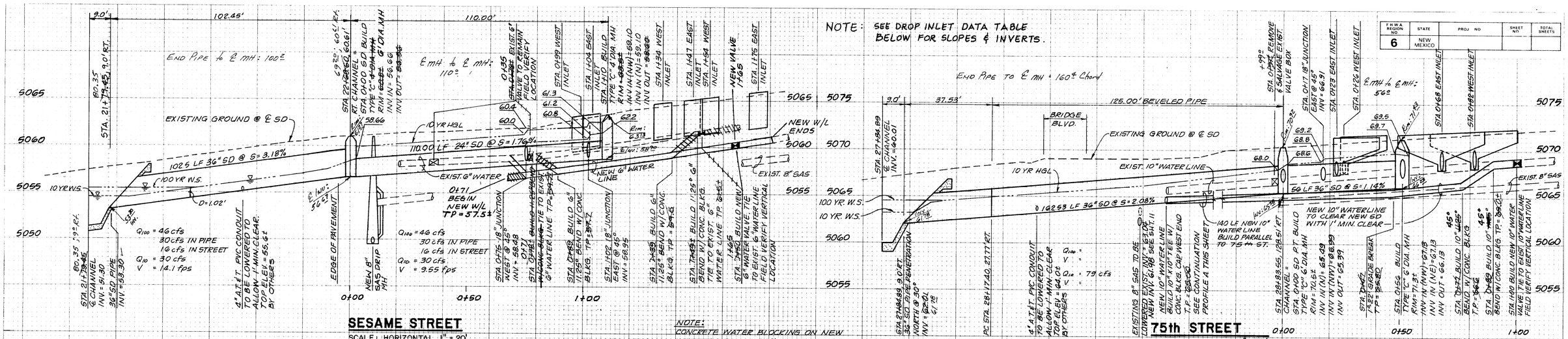
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		10-23-91	Water		10-1-91
Trans. Dev.		10-01-91	Wastewater		"
Hydrology		9/26/91			

DRAWING NO. 4076.90 | MAP NO. L-10 | SHEET 11 OF 35

RECORD DRAWING

F.H.W.A. REGION NO	STATE	PROJ NO	SHEET NO	TOTAL SHEETS
6	NEW MEXICO			

NOTE: SEE DROP INLET DATA TABLE BELOW FOR SLOPES & INVERTS.



SESAME STREET

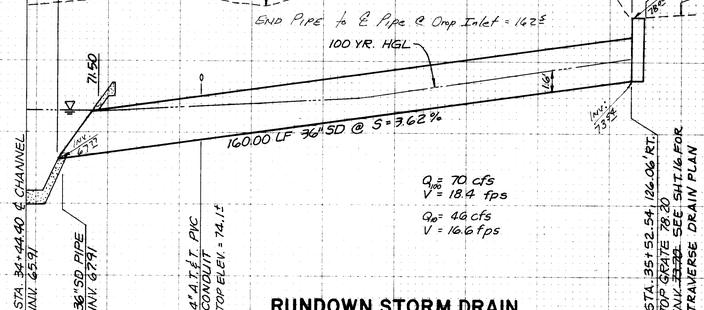
SCALE: HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

PLAN VIEW - SHT. 4

75th STREET

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

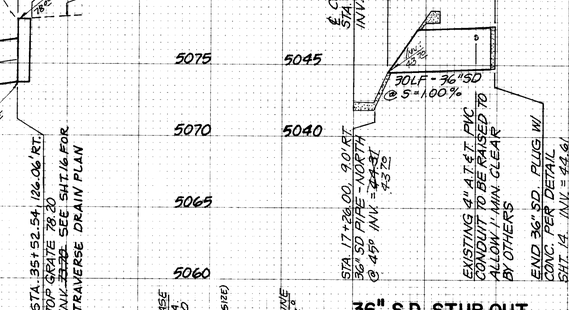
PLAN VIEW - SHT. 4



RUNDOWN STORM DRAIN CHANNEL STA. 34+44.40

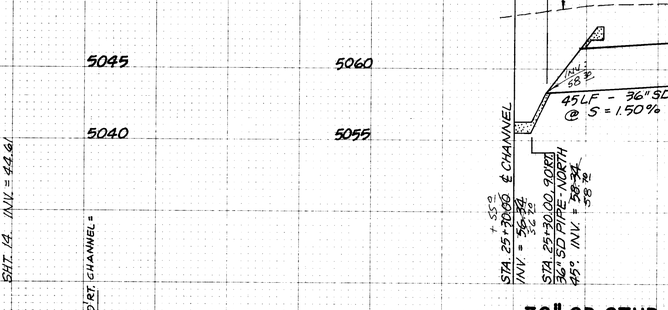
SCALE: HORIZONTAL 1" = 20'
VERTICAL 1" = 5'

PLAN VIEW - SHT. 5



36" S.D. STUB OUT CHANNEL STA. 17+30.00

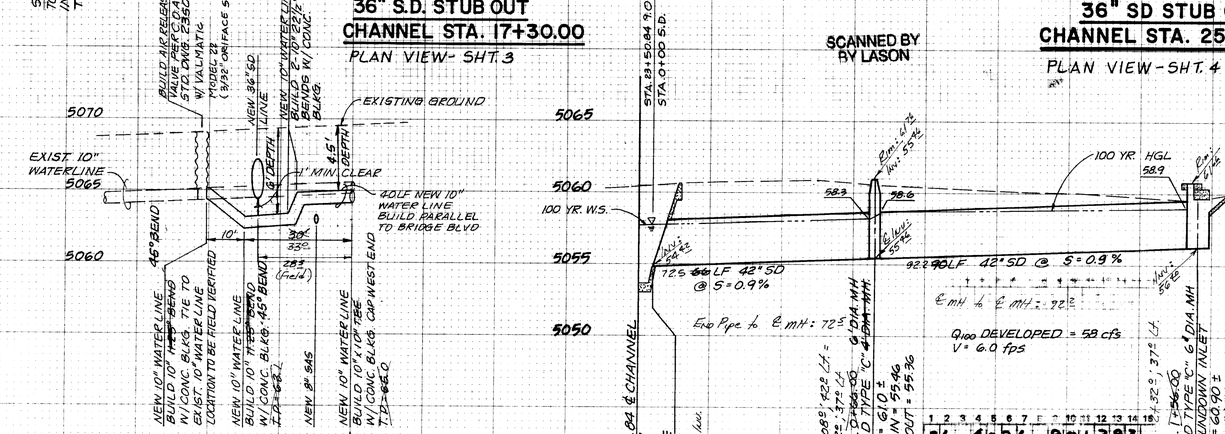
PLAN VIEW - SHT. 3



36" SD STUB OUT CHANNEL STA. 25+30.00 + 55.2

PLAN VIEW - SHT. 4

SCANNED BY BY LASON



DROP INLET DATA FOR SESAME STREET

	DROP INLETS STA.	TYPE*	PIPE LENGTH & SLOPE	ELEVATIONS TC / INVERT
WEST	0+99	Double C	39.9 LF - 18" S = 2.80%	~~63.31 / 59.48~~ 62.51 / 59.38
	1+34	Double C	38.9 LF - 18" S = 4.99%	~~64.67 / IN(N) = 61.98, OUT(E) = 60.78~~ 64.14 / 60.80
	1+54	A	20.0 LF - 18" S = 2.50%	~~65.38 / 61.50~~ 64.47 / 61.46
EAST	1+04	Double C	5.7 LF - 18" S = 6.84%	~~63.22 / 59.34~~ 62.07 / 58.73
	1+47	Double C	37.2 LF - 18" S = 5.83%	~~65.15 / IN(N) = 61.48, OUT(W) = 61.27~~ 64.00 / 61.08
	1+75	A	20.0 LF - 18" S = 3.05%	~~65.97 / 62.09~~ 65.02 / 62.02

CURB OPENING DATA FOR 75th STREET

	CURB OPENING INLETS STA.	TYPE*	PIPE LENGTH & SLOPE	ELEVATIONS TC / INVERT
WEST	0+26	Single Wing L = 17' w/3' Maintenance Box	36.8 LF - 18" S = 1.12%	~~71.59 / 67.42~~ 71.47 / 68.10 / E = 70.67
	0+82	Double Wing L = 17' w/3' Maintenance Box	36.8 LF - 18" S = 2.42%	~~72.02 / 68.02~~ 72.05 / 68.38 / E = 71.27
EAST	0+23	Single Wing L = 17' w/3' Maintenance Box	8.5 LF - 24" S = 6.13%	~~71.43 / 67.40~~ 71.41 / 67.05 / E = 70.59
	0+68	Double Wing L = 17' w/3' Maintenance Box	13.4 LF - 24" S = 6.04%	~~71.94 / 67.94~~ 71.92 / 67.68 / E = 71.14

*ALL INLETS ON 75th STREET ARE CURB OPENING INLETS. SEE DETAIL SHEET 17

PROFILE A

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

PLAN VIEW - SHT. 4

CONTINUED ON 75TH ST. PROFILE ABOVE

STINSON STREET STORM DRAIN PROFILE

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

SEE SHT. 22 FOR PLAN

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III
TIERRA BAYTA DRAINAGE FACILITIES

STORM DRAIN PROFILES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		10-22-92	Water		10-1-92
Trans. Dev.		10-01-92	Wastewater		"
Hydrology		9/24/92			

DRAWING NO. 4076.90 | MAP NO. L-10 | SHEET 12 OF 35

RECORD DRAWING

PROJECT NO. _____ SHEET NO. _____

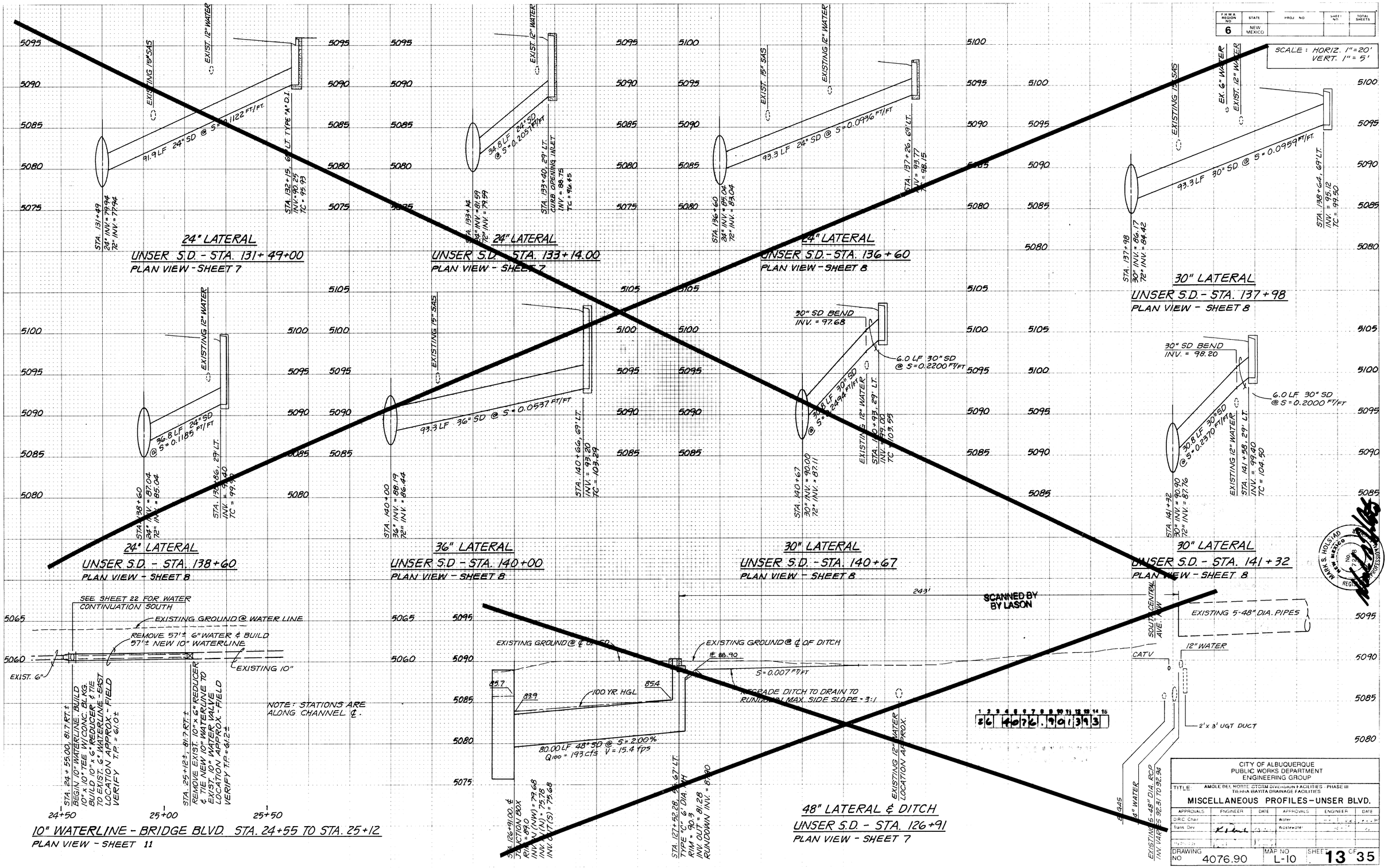
FINAL SURVEY	BY	DATE
SURVEYED.		
PLOTTED.		
TEMPLATE.		
NOTE BLOCK AREAS.		
NO. AREAS CHECKED.		

ORIGINAL SURVEY	BY	DATE
SURVEYED.		
PLOTTED.		
TEMPLATE.		
NOTE BLOCK AREAS.		
NO. AREAS CHECKED.		

BRUNING 44 232 71609

F.H.W.A. REGION NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
6	NEW MEXICO			

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



SCANNED BY BY LASON

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

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III
TIERRA BAYITA DRAINAGE FACILITIES

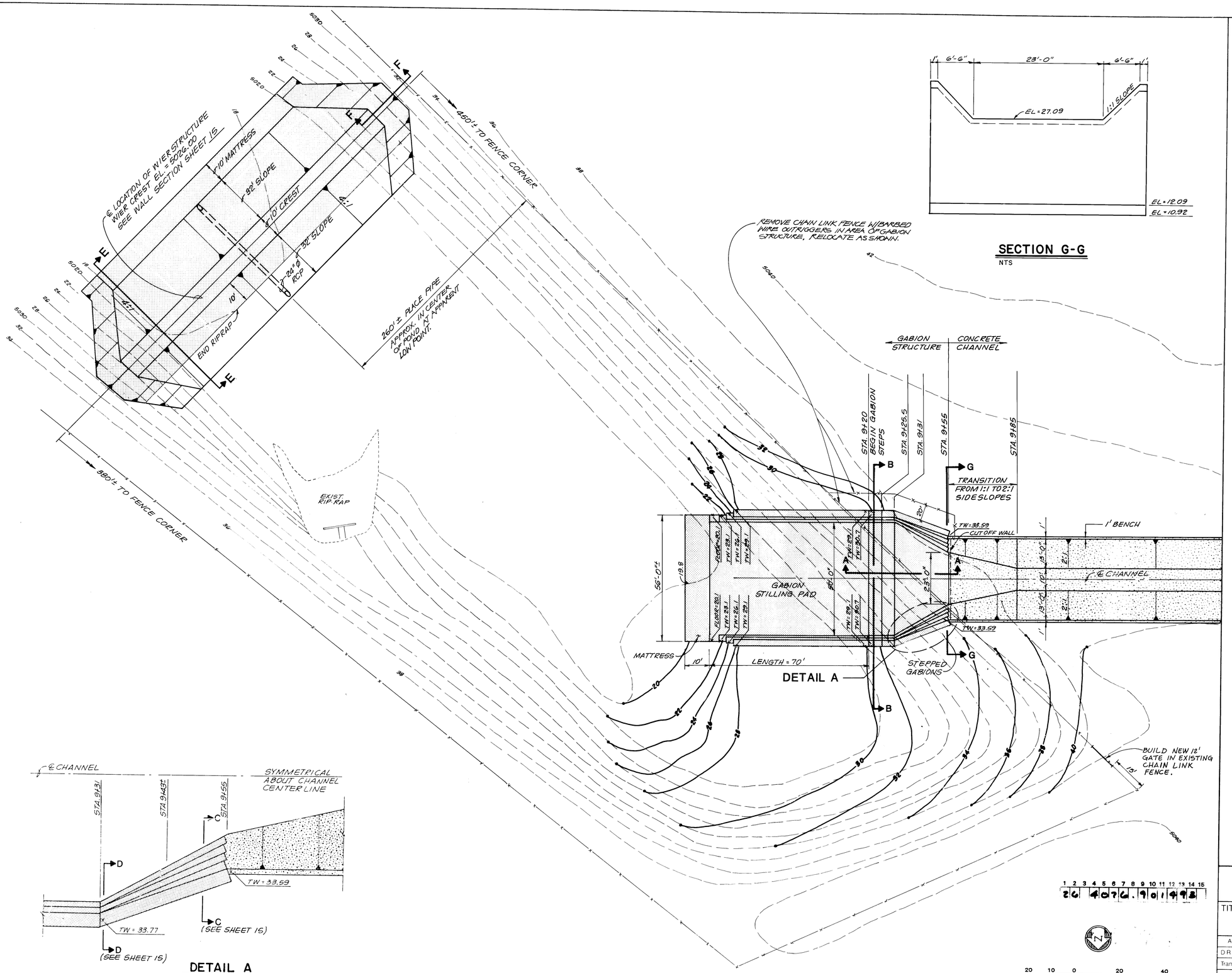
MISCELLANEOUS PROFILES - UNSER BLVD.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		
Trans. Dev.			Wastewater		

DRAWING NO. 4076.90 | MAP NO. L-10 | SHEET NO. 13 OF 35

RECORD DRAWING

PROJECT NO. _____ SHEET NO. _____



SECTION G-G
NTS

DETAIL A
NTS

DETAIL A

SCALE 1" = 20'

SCANNED BY BY LASON

"AS BUILT" (HORIZONTAL AND VERTICAL INFORMATION ONLY)

STEPHEN E. WALKER NEW MEXICO 6466 PROFESSIONAL SURVEYOR
9-26-92

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
1880	GREINER	6-7/90
1883	GREINER	7&9/90
1886	GREINER	12/90
1893	GREINER	12/90
1893	GREINER	1/91
1910	GREINER	9-10/91

BENCH MARKS

TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SESAME STREET. N = 1,481,394.909 E = 360,370.080 ELEV = 5072.064

TBM-AMOLE 14 - BRASS CAP ON THE NORTHWESTERLY TURN ISLAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD. N = 1,481,037.480 E = 361,880.107 ELEV = 5035.731

AS BUILT INFORMATION

CONTRACTOR MOORE & COWART 1992
STAKED BY WALKER DATE 1992
INSPECTORS C. PEDRONCELLI
FIELD SURVEY BY COA PW DATE 9-92
FIELD CALCULATION BY WALKER DATE 9-92
FIELD CHECKED BY GREINER DATE 9-92
CORRECTED BY GREINER DATE 9-92

MICRO-FILM INFORMATION

RECORDED BY DATE
NO

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY DATE 8-91
DRAWN BY A.H. DATE 8-91
CHECKED BY DATE 8-91

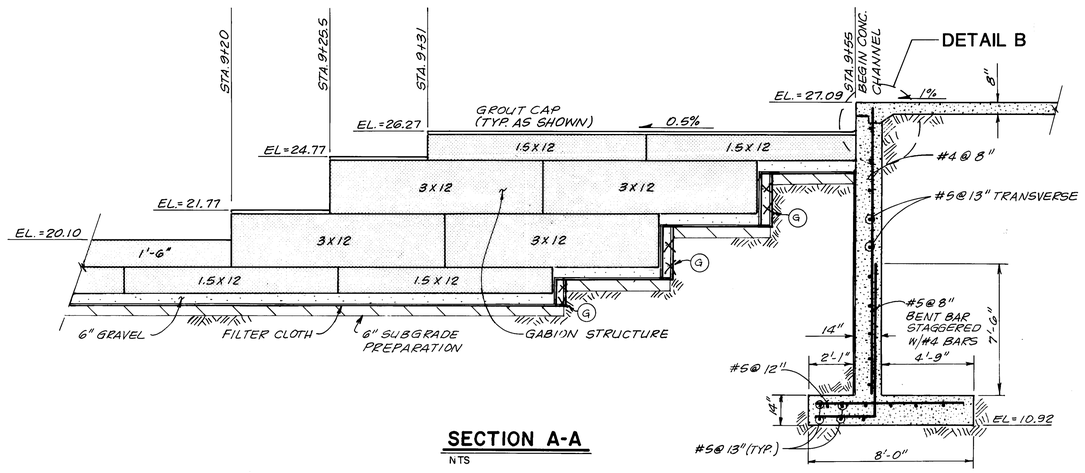
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III
TIERRA BAYITA DRAINAGE FACILITIES
OUTFALL STRUCTURE PLAN

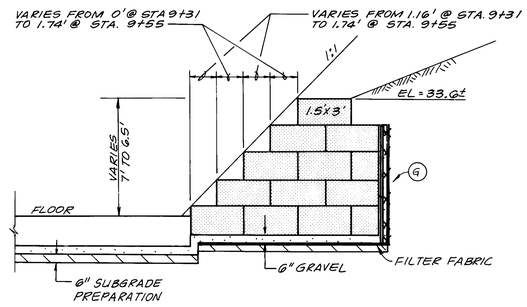
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		10-23-91	Water		10-1-91
Trans. Dev.		10-01-91	Wastewater		"
Hydrology		9/24/91			

DRAWING NO. 4076.90 | MAP NO. L-10 | SHEET 14 OF 35

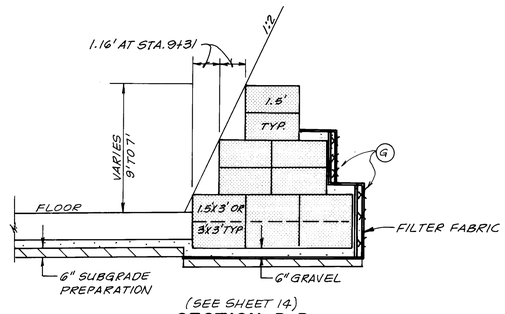
RECORD DRAWING



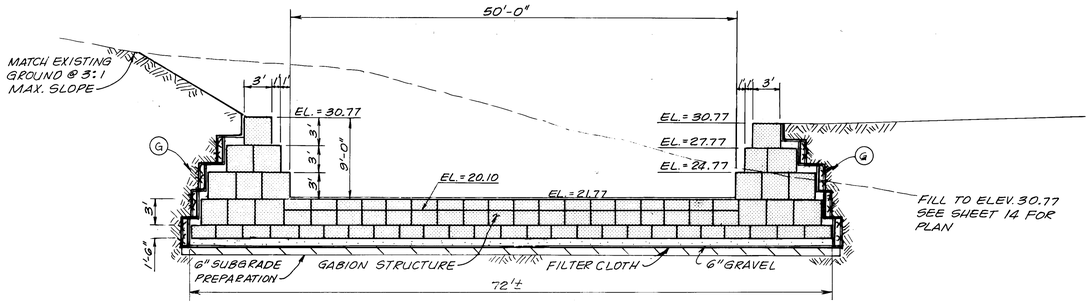
SECTION A-A
NTS



(SEE SHEET 14)
SECTION C-C
NTS

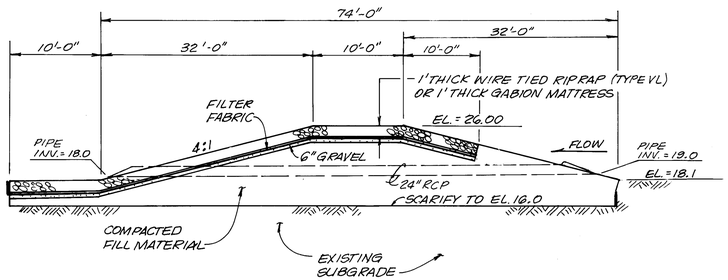


(SEE SHEET 14)
SECTION D-D
NTS



SECTION B-B
NTS

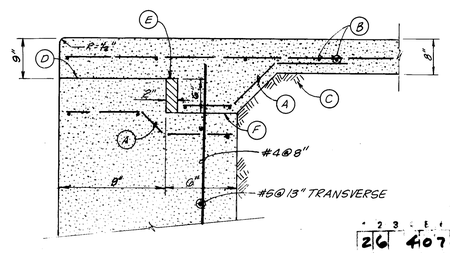
SECTION F-F
NTS



NOTES: 1. SCARIFY SUBGRADE TO ELEVATION 16.0±.

2. FILL WITH CLEAN, LIKE MATERIAL IN 2' LIFTS, COMPACTED TO 95%

SECTION E-E
NTS



DETAIL B
NTS

KEYED NOTES

(A) Z-BAR LOCATIONS IN TWO POSITIONS SHOWN. SECURELY TIE ALL CONNECTIONS AND SUPPORT SLEEPER MAT WITH CHAIRS.

(B) TIE REINFORCEMENT MATS TOGETHER IN DOWNSTREAM SLAB WITH 6" STANDARD "Z-CHAIRS", NUMBER 4 BAR AT 15" CENTER-CENTER, MIN. LAP LENGTH 12".

(C) COMPACT SUBGRADE TO MINIMUM 95% PER ASTM D 1557.

(D) PLACE 1/4" X 18" LOW DENSITY POLYETHYLENE BEARING PLATE AS SHOWN.

(E) PLACE POLYETHYLENE FOAM FILLER AS SHOWN. PLASTAZONE OR APPROVED EQUAL. DO NOT ANCHOR WITH NAILS OR BONDING AGENT. KEEP IN PLACE WITH FRESH CONCRETE WHEN POURING UPSTREAM SECTION. DO NOT ALLOW FRESH CONCRETE BETWEEN FILLER AND PREVIOUSLY POURED CONCRETE.

(F) LOW DENSITY POLYETHYLENE BEARING PLATE, 1/4" X 10" PLACED AS SHOWN.

(G) GRAVEL NOT INSTALLED IN ALL VERTICAL SURFACES (TYP.)

GENERAL NOTES

1. FILTER CLOTH SHALL BE MIRAFI 14N OR APPROVED EQUAL.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
1880	GREINER	6-7/90
1883	GREINER	7&9/90
1886	GREINER	12/90
1893	GREINER	12/90
1893	GREINER	1/91
1910	GREINER	9-10/91

BENCH MARKS

TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SESAME STREET. N = 1,481,394.909 E = 360,370.080 ELEV = 5072.064

TBM-AMOLE 14 - BRASS CAP ON THE NORTHWESTERLY TURN ISLAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD. N = 1,481,037.480 E = 361,880.107 ELEV = 5035.731

AS BUILT INFORMATION

CONTRACTOR MOORE & COWART 1992

WORK STARTED BY WALKER DATE 1992

WORK SUSPENDED BY C PERGRAMENTI DATE

ACCEPTANCE BY COA PW DATE 9-92

FIELD ELEVATION BY WALKER DATE 9-92

DRAWINGS CORRECTED BY WALKER DATE 9-92

MICRO-FILM INFORMATION

RECORDED BY DATE

NO

ENGINEER'S SEAL

MARK S. HOLSTAD NEW MEXICO No. 7288 REGISTERED PROFESSIONAL ENGINEER

SCANNED BY BY LASON

"AS BUILT" HORIZONTAL AND VERTICAL LOCATION ONLY

STEPHEN E. WALKER NEW MEXICO 9041 REGISTERED PROFESSIONAL SURVEYOR 9-26-92

NO.	DATE	REVISIONS	BY
		DESIGN	
		DATE	8-91
		DRAWN BY	AJ
		DATE	8-91
		CHECKED BY	
		DATE	

DESIGNED BY

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III
TIERRA BAYITA DRAINAGE FACILITIES

OUTFALL STRUCTURE DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN		10-25-91	WATER		10-1-91
TRANSPORTATION		10-01-91	WASTE WATER		"
HYDROLOGY		9/24/91			

PROJECT NO. 4076.90 | MAP NO. L-10 | SHEET 15 OF 35

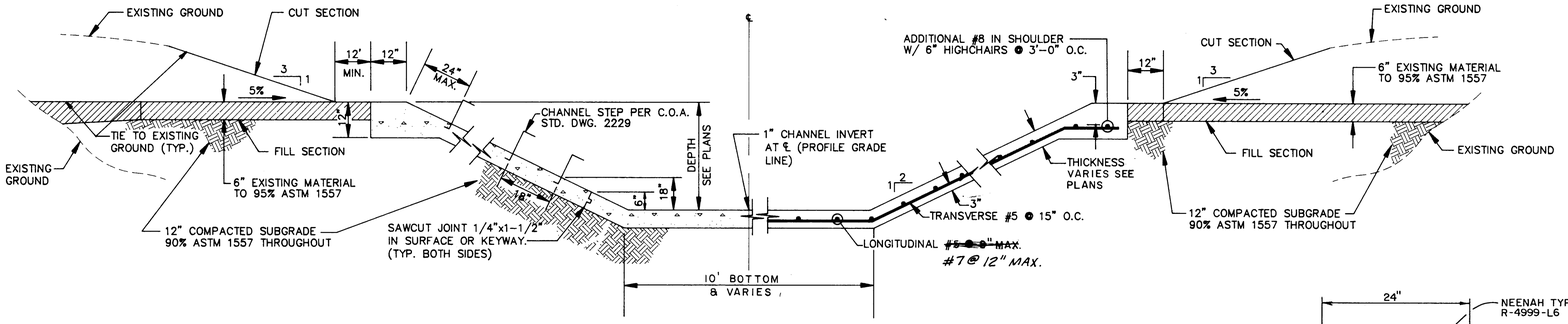
2G 4076.90 1153

141507

RECORD DRAWING

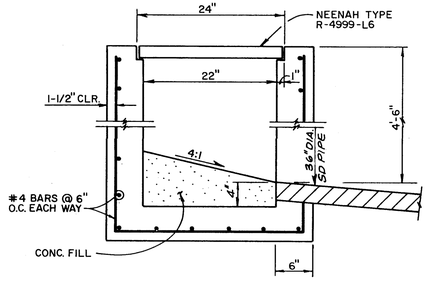
NOTES

1. SEE PLAN AND PROFILE SHEETS FOR MODIFICATIONS TO TYPICAL CHANNEL GRADING.
2. A TRANSVERSE CHANNEL CONSTRUCTION JOINT SHALL BE MADE AT THE END OF A WORK DAYS POUR. JOINT SHALL BE FORMED WITH KEYWAY. SEE CONSTRUCTION JOINT DETAIL THIS SHEET.



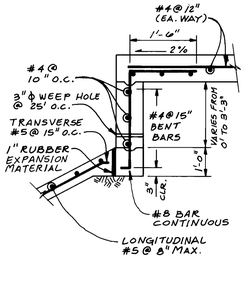
TYPICAL CHANNEL SECTION

NOT TO SCALE (SYMMETRICAL ABOUT ℄ UNLESS OTHERWISE SHOWN)

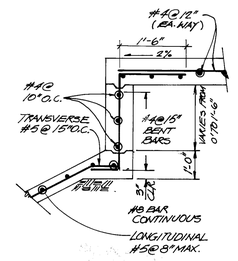


SECTION E-E

SCALE: 1"=1'-0"

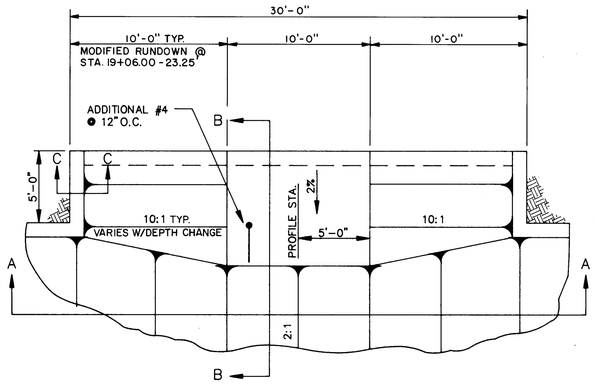


STA. 18+77.75 TO 19+01.00



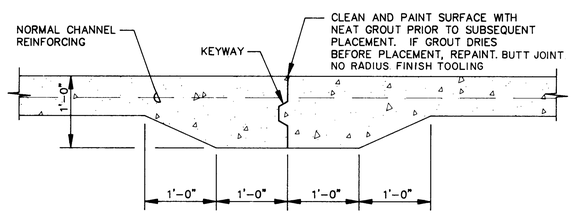
STA. 19+01.00 TO 19+21.00

MODIFIED RUNDOWN CONNECTION



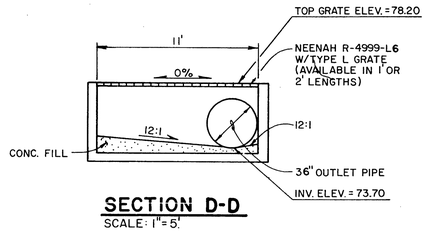
PLAN VIEW
TYPICAL CHANNEL RUNDOWN

NOT TO SCALE



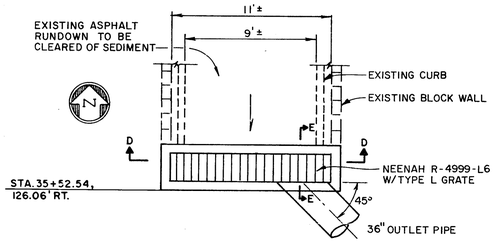
CONSTRUCTION JOINT

SCALE: 1"=1'-0"



SECTION D-D

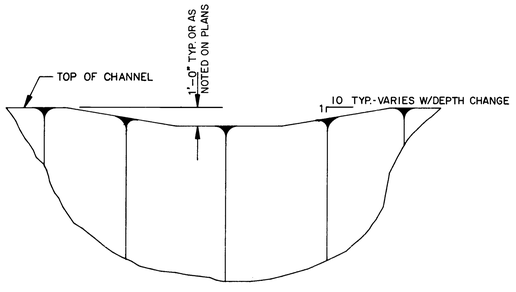
SCALE: 1"=5'



TRANSVERSE DRAIN PLAN

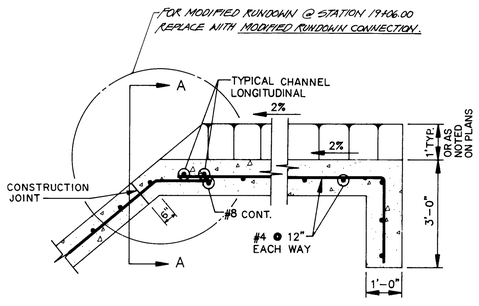
SCALE: 1"=5'

SEE SHEET 5



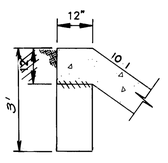
SECTION A-A

NOT TO SCALE



SECTION B-B

NOT TO SCALE



SECTION C-C

NOT TO SCALE

SCANNED BY BY LASON

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4076.90 L10 16 35

AS BUILT INFORMATION

CONTRACTOR: MOORE & COWART DATE: 1992
STAKED BY: WALKER 1992
INSPECTORS ACCEPTANCE: C. PEDROKELLI DATE: 8-92
FIELD VERIFICATION BY: JOAA-PE DATE: 8-92
ARCHITECT/ENGINEER: WALKER DATE: 9-92
CORRECTED BY: WALKER DATE: 9-92
MICRO-FILM INFORMATION: GREINER
RECORDED BY: DATE

BENCH MARKS

TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SESAME STREET. N = 1,481,394.909 E = 360,370.080 ELEV = 5072.064

TBM-AMOLE 14 - BRASS CAP ON THE NORTH-WESTERLY TURN ISLAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD. N = 1,481,037.480 E = 361,880.107 ELEV = 5035.731

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
1880	GREINER	6-7/90
1883	GREINER	7&9/90
1886	GREINER	12/90
1893	GREINER	12/90
1893	GREINER	1/91
1910	GREINER	9-10/91

ENGINEER'S SEAL

MARK S. HOLSTAD NEW MEXICO No. 7878 REGISTERED

NO.	DATE	REMARKS	BY	DATE
		REVISIONS		DATE
		DESIGN		DATE 8/91

DESIGNED BY S.K.J.
DRAWN BY J.L.R.
CHECKED BY L.S.J.

PROJECT NO. G000101

Greiner, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III
TIERRA BAYITA DRAINAGE FACILITIES

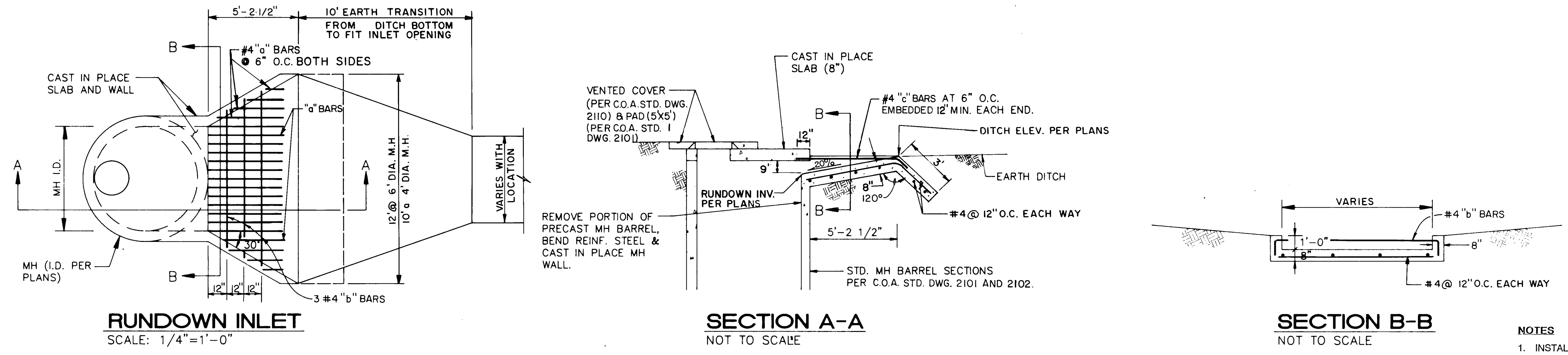
TYPICAL DRAINAGE DETAILS

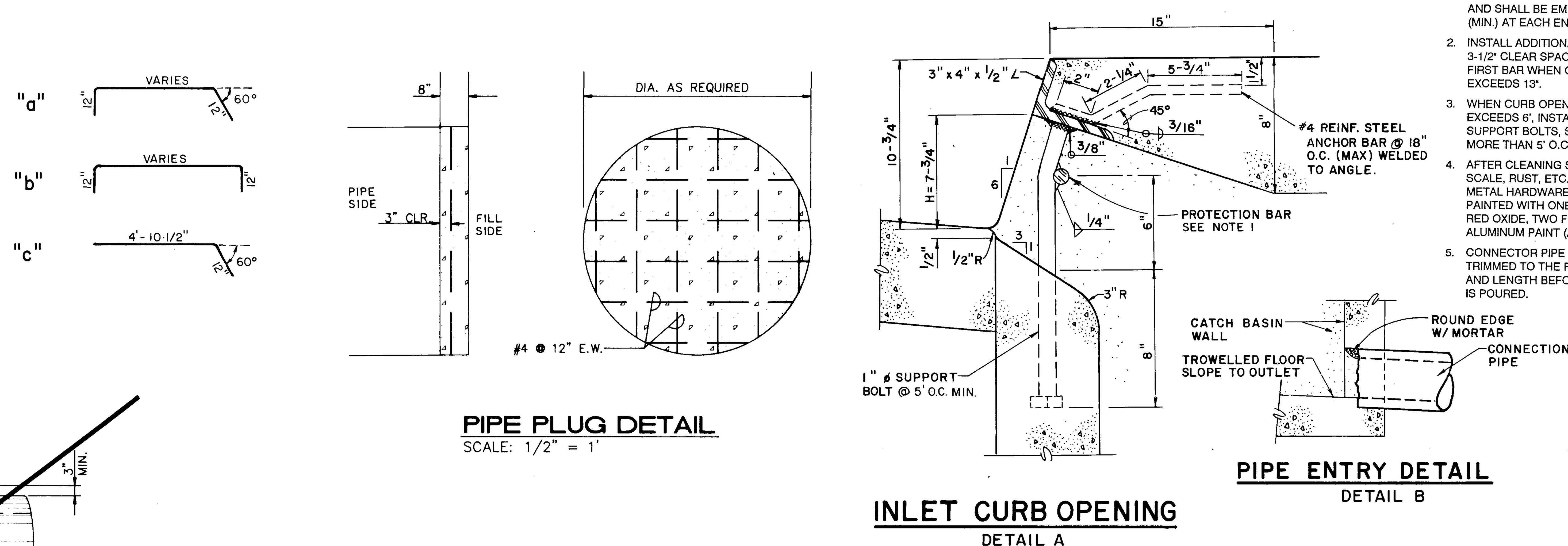
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		10-23-91	Water		10-1-91
Trans. Dev		10-01-91	Wastewater		"
Hydrology		9/24/91			

DRAWING NO. 4076.90 | MAP NO. L-10 | SHEET 16 OF 35

RECORD DRAWING

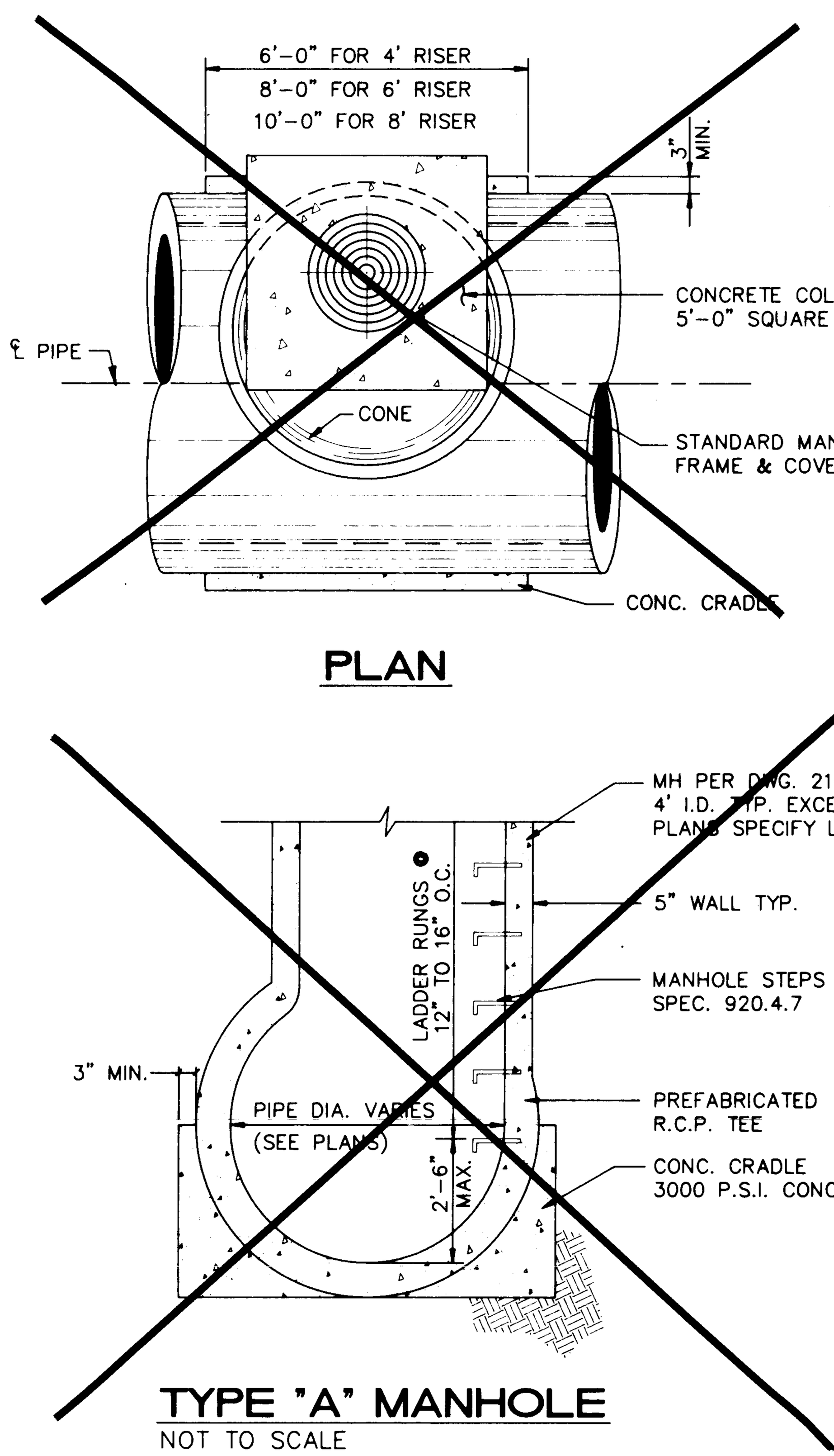
PLOTTED 09T24 1990
G101C01

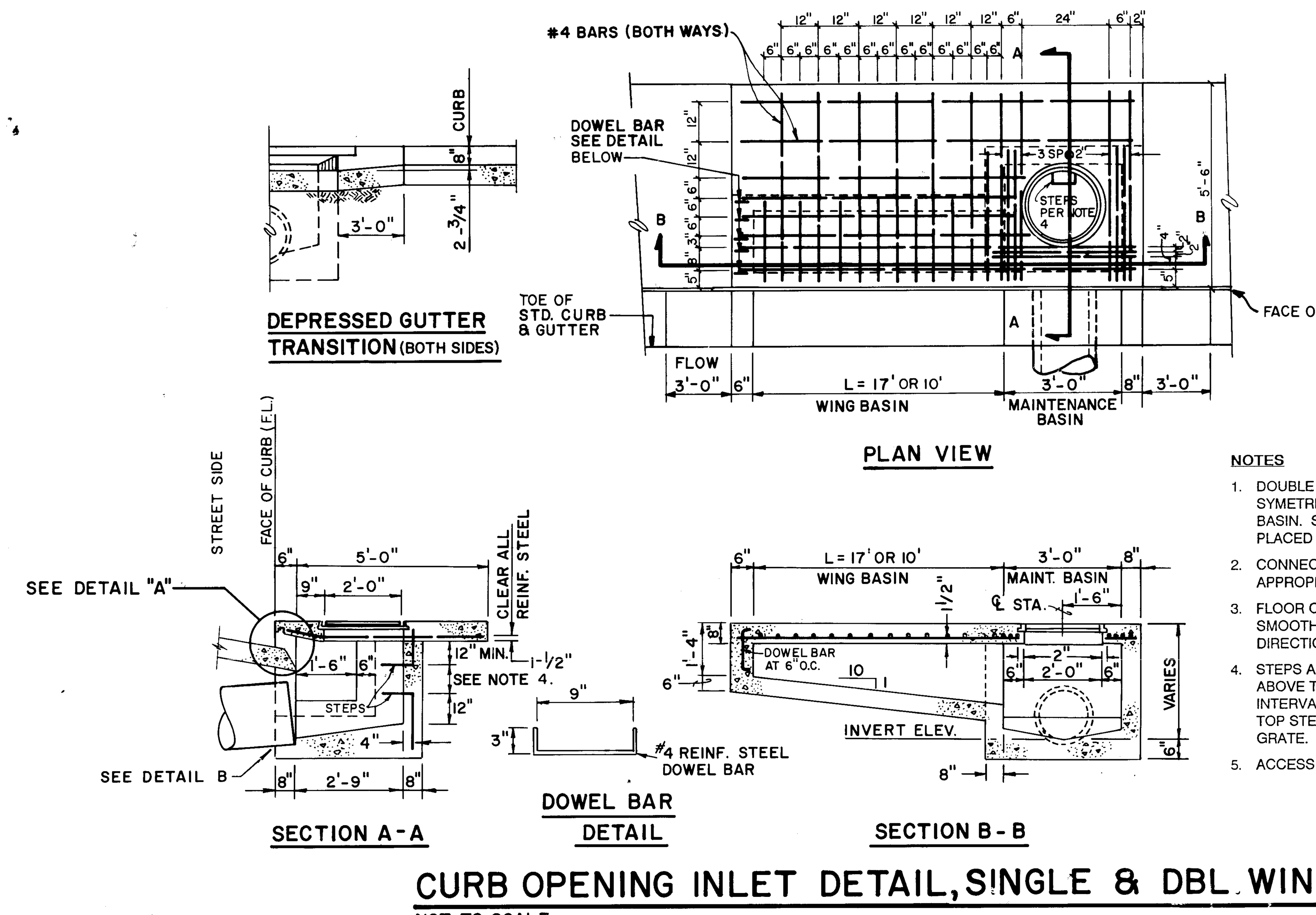




NOTES

1. INSTALL 1"Ø STEEL PROTECTION BARS. THE PROTECTION BARS SHALL EXTEND THE FULL LENGTH OF THE CURB OPENINGS AND SHALL BE EMBEDDED 3" (MIN.) AT EACH END.
2. INSTALL ADDITIONAL BARS AT 3-1/2" CLEAR SPACING ABOVE FIRST BAR WHEN OPENING EXCEEDS 13".
3. WHEN CURB OPENING LENGTH EXCEEDS 6', INSTALL 1"Ø STEEL SUPPORT BOLTS, SPACED AT NO MORE THAN 5' O.C.
4. AFTER CLEANING SURFACE OF SCALE, RUST, ETC., ALL EXPOSED METAL HARDWARE SHALL BE PAINTED WITH ONE SHOP COAT RED OXIDE, TWO FINISH COATS ALUMINUM PAINT (AASHTO M 69).
5. CONNECTOR PIPE SHALL BE TRIMMED TO THE FINAL SHAPE AND LENGTH BEFORE CONCRETE IS POURED.





NOTES

1. DOUBLE WING BASINS SHALL HAVE ONE WING PLACED SYMETRICALLY ON EACH SIDE OF MAINTENANCE BASIN. SINGLE WING BASINS SHALL HAVE ONE WING PLACED ON UPSTREAM SIDE OF MAINTENANCE BASIN.
2. CONNECTOR PIPES SHALL BE PLACED IN THE APPROPRIATE WALL OF THE MAINTENANCE BASIN.
3. FLOOR OF BASIN SHALL BE TROWELLED TO A HARD, SMOOTH SURFACE AND SHALL SLOPE FROM ALL DIRECTIONS TO OUTLET.
4. STEPS AS PER SPEC. 920.4.7. PLACE ONE STEP 12" ABOVE THE FLOOR OF THE BASIN. PLACE STEPS AT 12" INTERVALS FROM THE FLOOR OF THE BASIN WITH THE TOP STEP AT 12" (MIN.) BELOW THE TOP OF THE GRATE.
5. ACCESS FRAME AND COVER NEENAH R1706-IS.

AS BUILT INFORMATION

CONTRACTOR MOORE & COWART DATE 1992
WORK STAKED BY WALKER 1992
INSPECTOR'S ACCEPTANCE BY C. FEDRONDELLI C.O.A. INSP. DATE 9-92
FIELD VERIFICATION BY WALKER DATE 9-92
DRAWINGS CORRECTED BY WALKER & GREINER DATE 9-92

MICRO-FILM INFORMATION

RECORDED BY DATE

BENCH MARKS

ACS 10-L-9 ALUMINUM CAP SET IN CONCRETE CURB ON THE NORTHEASTERLY TURN ISLAND IN THE INTERSECTION OF 98th STREET AND CENTRAL AVENUE.
N = 1,482,085.203 E = 352,792.376
ELEV = 5204.425

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE
1880	GREINER	6-7/90
1883	GREINER	7&8/90
1886	GREINER	12/90
1893	GREINER	12/90
1893	GREINER	1/91
1910	GREINER	9-10/91

ENGINEER'S SEAL

PROJECT NO. G000101

NO.	DATE	REMARKS / REVISIONS	BY
		DESIGN	

DESIGNED BY: M.S.H. DATE: 8/91
DRAWN BY: J.L.R./P.J.R. DATE: 8/91
CHECKED BY: L.S.J. DATE: 8/91

SCANNED BY BY LASON

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4076.90 1793

Greiner, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE AMOLE DEL NORTE STORM DIVERSION FACILITIES–PHASE III TIERRA BAYITA DRAINAGE FACILITIES

MISCELLANEOUS DETAILS

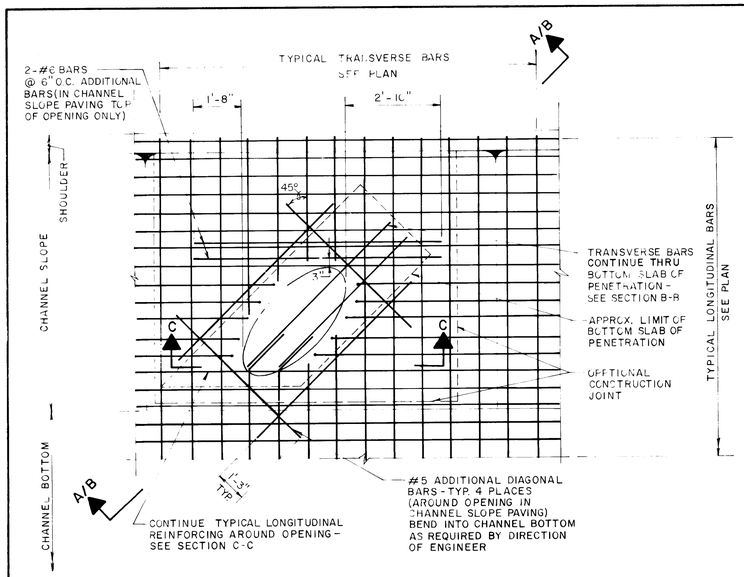
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C Chairman	[signature]	[illegible]	Water	[signature]	10-1-91
Transportation	[signature]	10-1-91	Wastewater	[signature]	..
Hydrology	[signature]	9/24/91			

DRAWING NO. 4076.90 MAP NO. L-10 SHEET 17 OF 35

RECORD DRAWING

PLOTTED DEC 1 9 1990 CADD DEPT.

G101C02

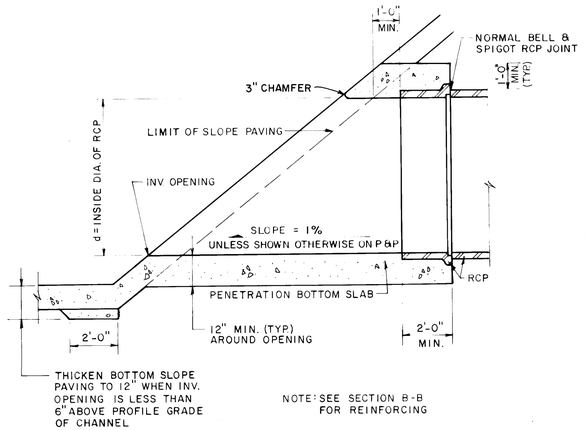


NOTE: #4 BARS NOT SHOWN IN PLAN VIEW FOR CLARITY

PLAN VIEW

TYPICAL PIPE PENETRATION

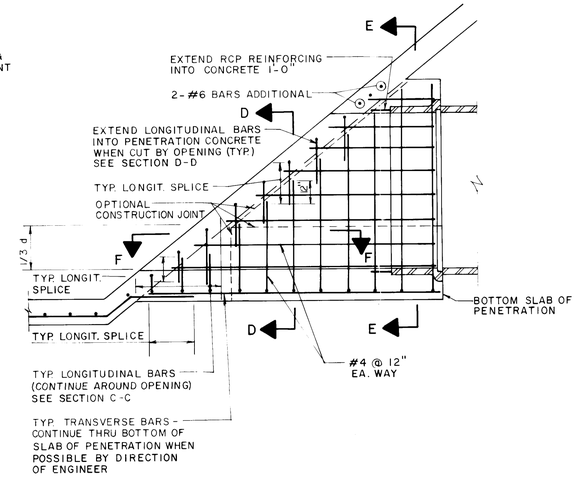
NOT TO SCALE



NOTE: SEE SECTION B-B FOR REINFORCING

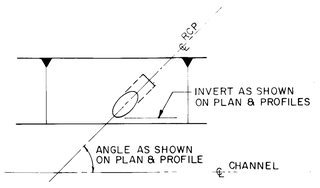
SECTION A-A

NOT TO SCALE



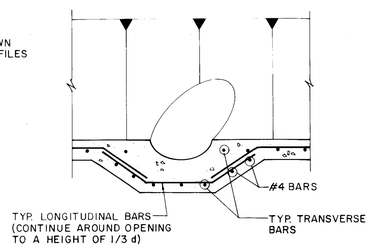
SECTION B-B

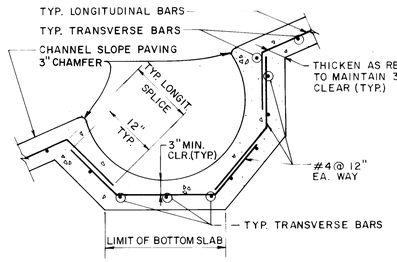
NOT TO SCALE

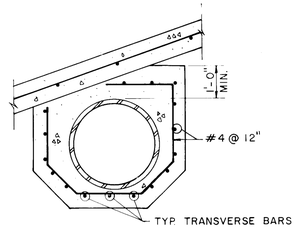


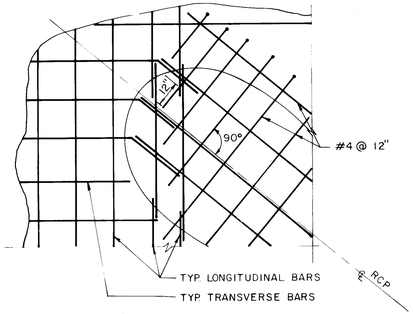
PIPE PENETRATION

NOT TO SCALE



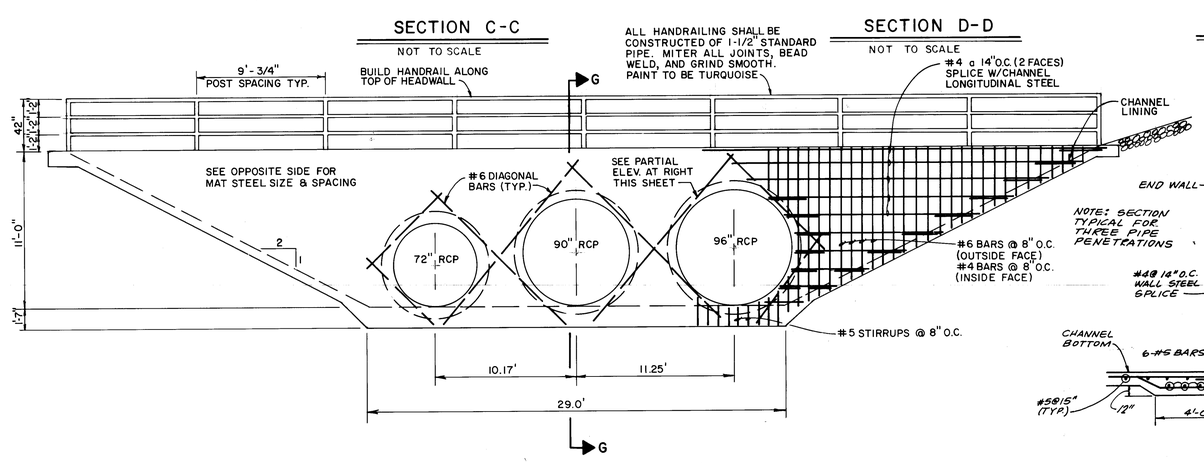






SECTION C-C

NOT TO SCALE



END WALL ELEVATION - STATION 41+06

SECTION D-D

NOT TO SCALE

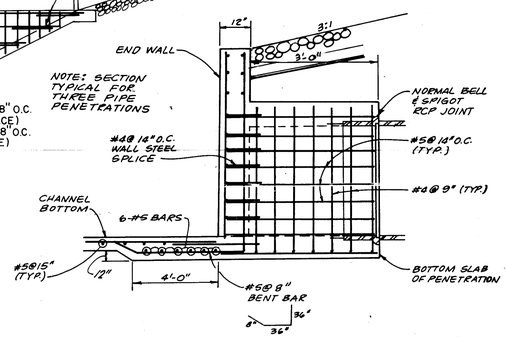
ALL HANDRAILING SHALL BE CONSTRUCTED OF 1-1/2" STANDARD PIPE. MITER ALL JOINTS, BEAD WELD, AND GRIND SMOOTH. PAINT TO BE TURQUOISE

#4 a 14"O.C. (2 FACES) SPLICE W/CHANNEL LONGITUDINAL STEEL

CHANNEL LINING

SECTION E-E

NOT TO SCALE

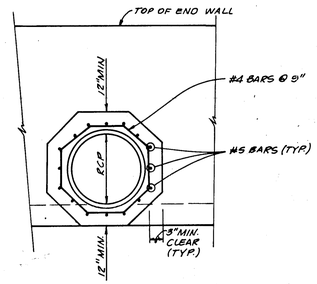


SECTION G-G

NOT TO SCALE

SECTION F-F

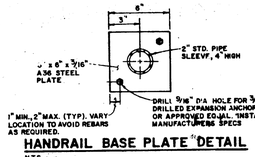
NOT TO SCALE



ELEVATION FOR TYPICAL RCP PENETRATION

NOT TO SCALE

SCANNED BY BY LASON



HANDRAIL BASE PLATE DETAIL

NTS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

2 6 4 0 7 6 . 9 0 1 8 9 3

Greiner Engineering

NO	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY T.L.H.	DATE 8/91
		DRAWN BY J.T.	DATE
		CHECKED BY	DATE 9/91

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III
TIERRA BAYITA DRAINAGE FACILITIES

PIPE PENETRATION DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		10-23-91	Water		10-1-91
Trans. Dev.		10-01-91	Wastewater		"
Hydrology		9/24/91			

DRAWING NO. 4076.90 | MAP NO. | SHEET 18 OF 35

RECORD DRAWING

AS BUILT INFORMATION

BENCH MARKS

TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SESAME STREET. N = 1,481,394.909 E = 360,370.080 ELEV = 5072.064

TBM-AMOLE 14 - BRASS CAP ON THE NORTHWESTERLY TURN ISLAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD. N = 1,481,037.490 E = 361,680.107 ELEV = 5055.731

	BY	DATE
MOORE & COWART		1992
WALKER		9-92
C. PERKOREL		9-92
WALKER		9-92
GREINER		8-92

AS BUILT INFORMATION

SURVEY INFORMATION

FIELD NOTES

NO	BY	DATE
1880	GREINER	6-7/90
1883	GREINER	7&8/90
1886	GREINER	12/90
853	GREINER	12/90
853	GREINER	1/91
1910	GREINER	9-10/91

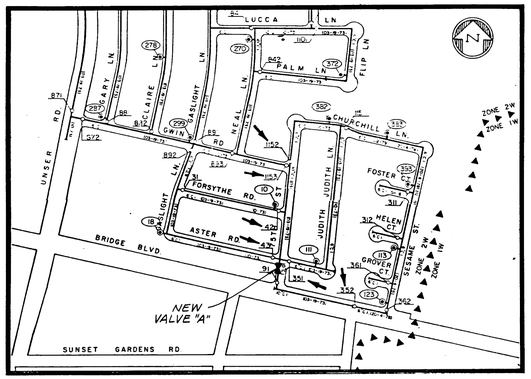
ENGINEER'S SEAL

MARK S. HOLSTAD NEW MEXICO No. 7288 REGISTERED PROFESSIONAL ENGINEER

BRUNING 44 232 7192

26 4076 901993

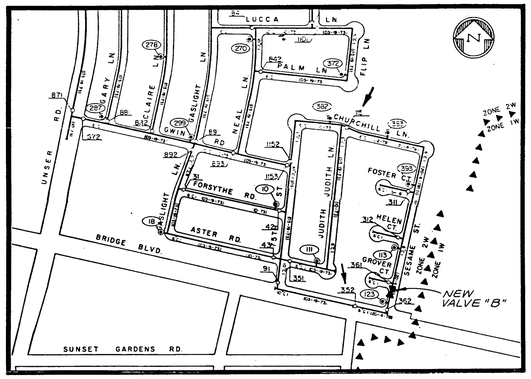
MISSING



75th STREET WATER SHUT-OFF PLAN

SEQUENCE - 75th STREET

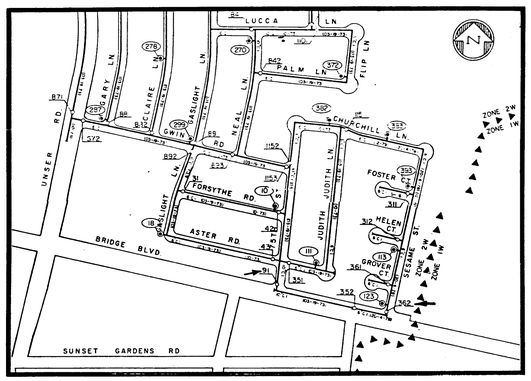
1. SHUT OFF ALL VALVES SHOWN.
2. INSTALL NEW 10" WATER VALVE "A" AT THE INTERSECTION OF ASTER ROAD & 75th STREET. CLOSE NEW VALVE.
3. OPEN VALVES 1152, 1153, 42, 43, AND 351.
4. PROCEED WITH NEW 10" WATER LINE CONSTRUCTION.
5. REMOVE VALVE 91 & RETURN TO CITY YARDS.
6. UPON COMPLETION OF NEW LINE AND ALL REQUIRED TESTING, OPEN ALL OTHER VALVES.



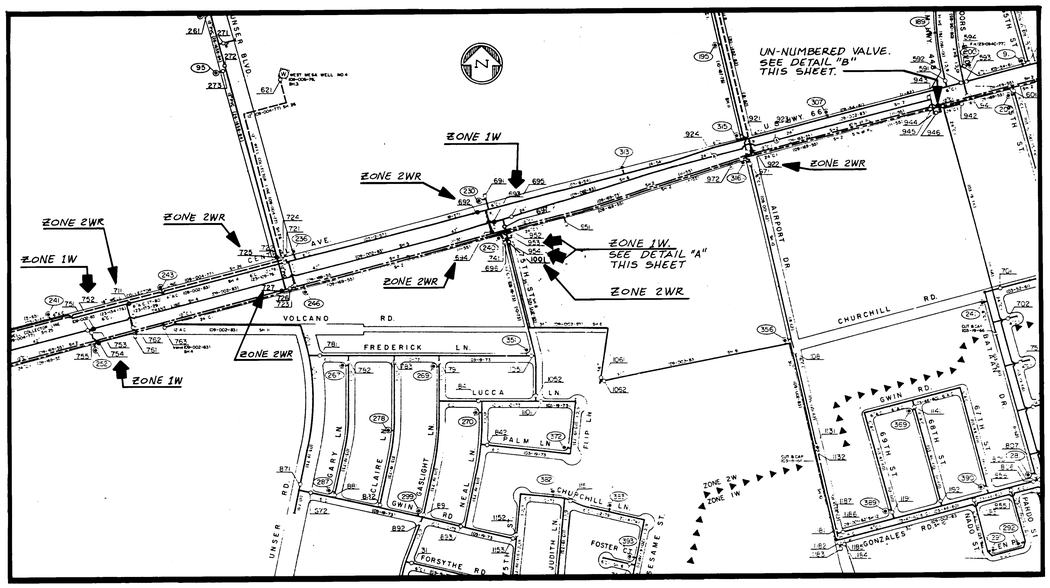
SESAME STREET WATER SHUT-OFF PLAN

SEQUENCE - SESAME STREET

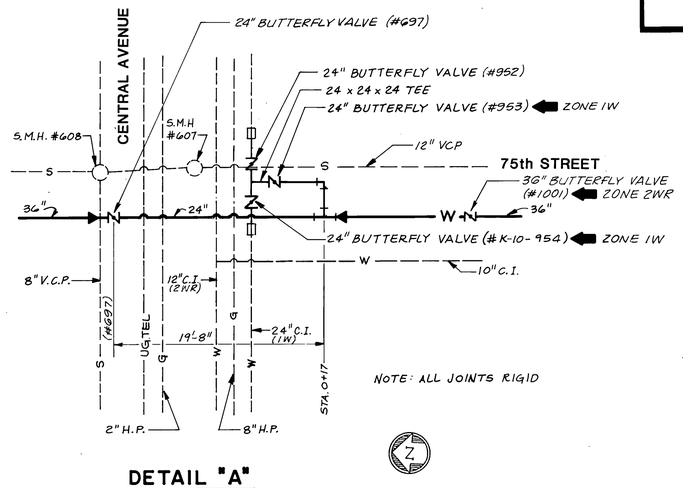
1. SHUT OFF ALL VALVES SHOWN.
2. INSTALL NEW 6" WATER VALVE "B" AT THE INTERSECTION OF SESAME STREET & GROVER CT. CLOSE NEW VALVE.
3. OPEN VALVE 115.
4. PROCEED WITH NEW 6" WATER LINE CONSTRUCTION.
5. UPON COMPLETION OF NEW LINE AND ALL REQUIRED TESTING, OPEN ALL OTHER VALVES.



STINSON STREET WATER SHUT-OFF PLAN

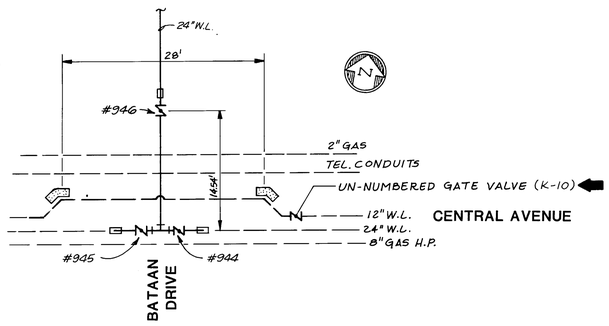


UNSER BLVD./CENTRAL AVE. WATER SHUT-OFF PLAN



DETAIL "A"

SCALE: 1" = 10'



DETAIL "B"

N.T.S.

SEQUENCE - WATER LINE SHUT DOWNS AT UNSER AND CENTRAL

1. TEST SHUT DOWN OF THE FOLLOWING WATER LINES IN CENTRAL SHALL BE REQUIRED PRIOR TO CONSTRUCTION OF THE STORM DRAIN UNDER THE WATER LINES:
   - 12" (ZONE 2WR)
   - 24" AND 42" (ZONE 1W)
2. THE 24" (ZONE 1W) MAY BE SHUT DOWN INDEFINITELY. THE 12" (ZONE 2WR) LINE AND 42" (ZONE 1W) LINE MAY BE SHUT DOWN A MAXIMUM OF 8 HOURS EACH AND ONLY FROM SEPTEMBER 1 TO APRIL 30.
3. 24" AND 42" LINES (ZONE 1W) MUST BE SHUT DOWN DURING CONSTRUCTION OF STORM DRAIN UNDER THE WATER LINES.
4. 12" (ZONE 2WR) AND 24" (ZONE 1W) CAST IRON WATER LINES MUST BE REPRESSURIZED AFTER STORM DRAIN CONSTRUCTION AND BACKFILL; AND TOP HALF OF JOINTS WITHIN THE TRENCH PRISM SHALL BE EXPOSED AND CHECKED FOR LEAKS.
5. SHUT DOWN AND DEWATERING OF THE 12" (ZONE 2WR) LINE IS ONLY REQUIRED IF THE LINE IS DAMAGED AND LEAKS DURING INSTALLATION OF THE STORM DRAIN.
6. ALBUQUERQUE FIRE DEPARTMENT SHALL BE ALERTED OF LOW PRESSURE IN THE SKYVIEW WEST SUBDIVISION IF 12" (ZONE 2WR) LINE IS SHUT DOWN.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
1880	GREINER	6-7/90
1883	GREINER	7&9/90
1886	GREINER	12/90
1893	GREINER	12/90
1910	GREINER	1/91
	GREINER	9-10/91

BENCH MARKS

TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SESAME STREET. N = 1,481,394.909 E = 360,370.089 ELEV = 5072.064

TBM-AMOLE 14 - BRASS CAP ON THE NORTHWESTERLY TURN ISLAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD. N = 1,481,037.480 E = 361,880.107 ELEV = 5035.731

AS BUILT INFORMATION

CONTRACTOR MOORE & COWART 1992

WORK PERFORMED BY WALKER DATE 1992

INSPECTOR'S ACCEPTANCE BY C. PEDROncelli COA, PW DATE 9-92

FIELD VERIFICATION BY WALKER DATE 9-92

DRAWING CHECKED BY GREINER DATE 9-92

MICRO-FILM INFORMATION

RECORDED BY DATE

NO

ENGINEER'S SEAL

MARK S. HOLSTAD NEW MEXICO 7016

SCANNED BY BY LASON

26 40 76.90 20 93

NO.	DATE	REMARKS
		REVISIONS
		DESIGN BY DATE
		DESIGNED BY DATE
		DRAWN BY DATE
		CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

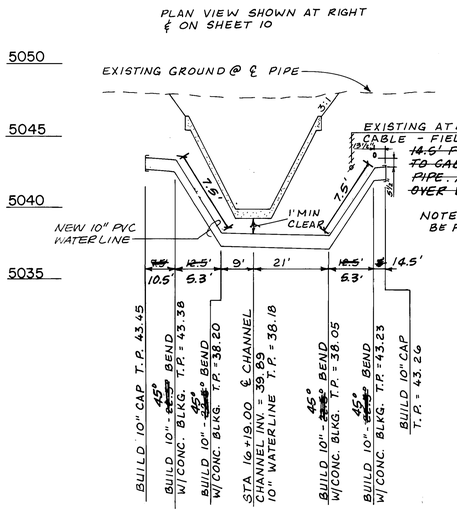
TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III A
TIERRA BAYITA DRAINAGE FACILITIES
WATER SHUT-OFF PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		10-1-91
Trans. Dev.		10-21-91	Wastewater		"
Hydrology		9/24/91			

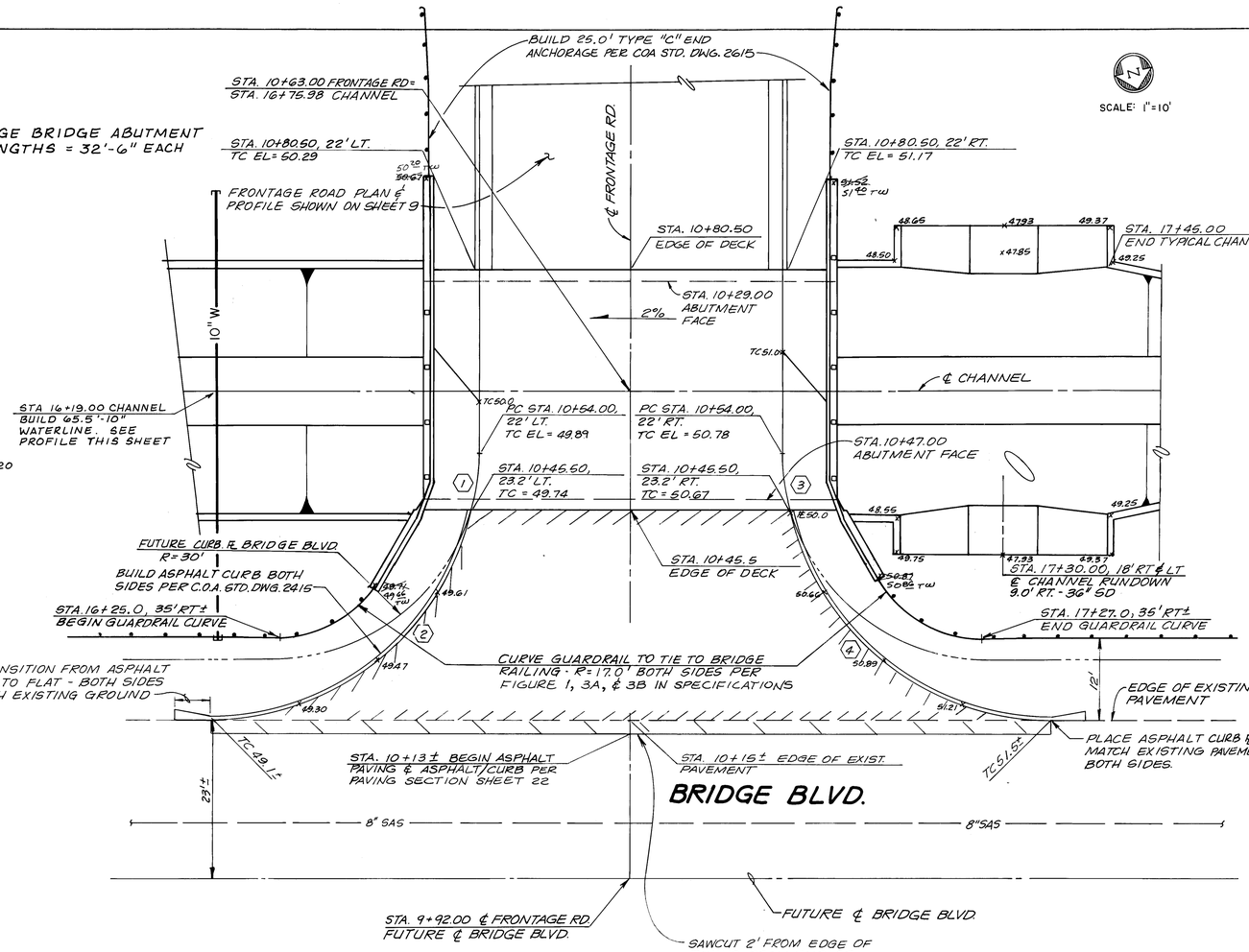
DRAWING NO. 4076.90 | MAP NO. K, L-10 | SHEET 20 OF 35

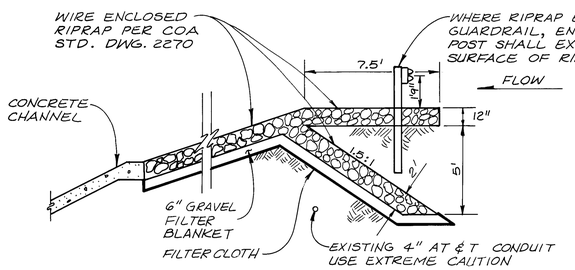
RECORD DRAWING

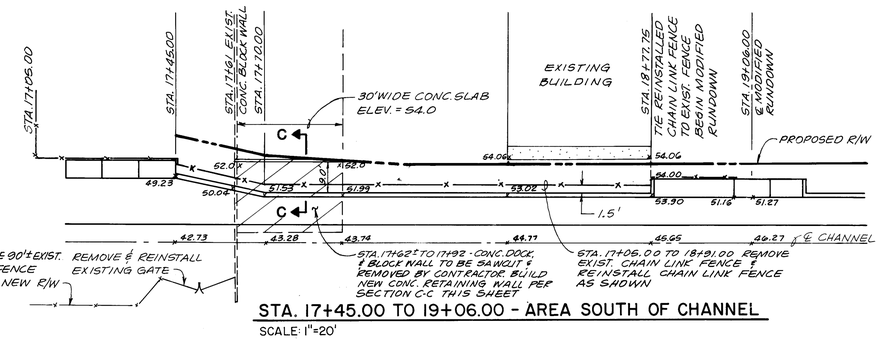
176990



CHANNEL STA. 16+19.00 - 10" WATERLINE
SCALE: 1" = 20' HORIZONTAL
1" = 5' VERTICAL



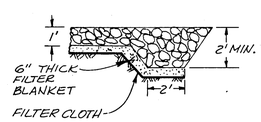




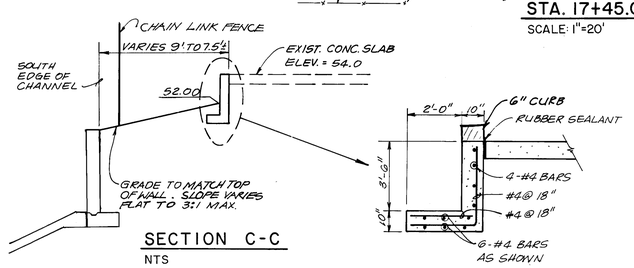
STA. 17+45.00 TO 19+06.00 - AREA SOUTH OF CHANNEL
SCALE: 1"=20'

NOTE:
RIP RAP PLAN VIEW SHOWN ON SHEET 5

SECTION A-A
SCALE: 1"=4'



SECTION B-B
NTS



SECTION C-C
NTS

SCANNED BY BY LASON

CURVE DATA:

1. Δ = 16°27'33"
   R = 30.00'
   L = 8.62'
   T = 4.34'
2. Δ = 77°24'41"
   R = 39.00'
   L = 52.69'
   T = 31.25
3. Δ = 16°27'33"
   R = 30.00'
   L = 8.62'
   T = 4.34'
4. Δ = 77°24'41"
   R = 39.00'
   L = 52.69'
   T = 31.25'

AS BUILT INFORMATION
CONTRACTOR MOORE & COWART 1992
WORK PLACED BY WALKER DATE 1992
INSPECTED BY C. PERROREU
ACCEPTANCE BY COA PW DATE 9-92
FELLOWSHIP BY WALKER DATE 9-92
DRAWINGS CORRECTED BY WALKER DATE 9-92
CHECKED BY CORRECTED BY
RECORDED BY DATE
NO

BENCH MARKS
TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SESAME STREET. N = 1,481,394.909 E = 360,370.080 ELEV = 5072.064
TBM-AMOLE 14 - BRASS CAP ON THE NORTHWESTERLY TURN ISLAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD. N = 1,481,037.480 E = 361,880.107 ELEV = 5035.731

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1880	GREINER	6-7/90
1883	GREINER	7&9/90
1886	GREINER	12/90
1893	GREINER	12/90
1893	GREINER	1/91
1910	GREINER	9-10/91

ENGINEER'S SEAL
MARK S. HOLSTEN NEW MEXICO No. 7288 REGISTERED PROFESSIONAL ENGINEER

"AS BUILT" (HORIZONTAL AND VERTICAL LOCATION ONLY)
STEPHEN E. WALKER NEW MEXICO 6821 REGISTERED PHYS. EXPERIMENTAL SURVEYOR
9-26-92

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY SKJ/MJB	DATE 9/91
		DRAWN BY PRW	DATE 9/91
		CHECKED BY LSJ	DATE 9/91

1 2 3 4 6 6 7 8 9 10 11 12 13 14 15
26. 4076.90 21 93

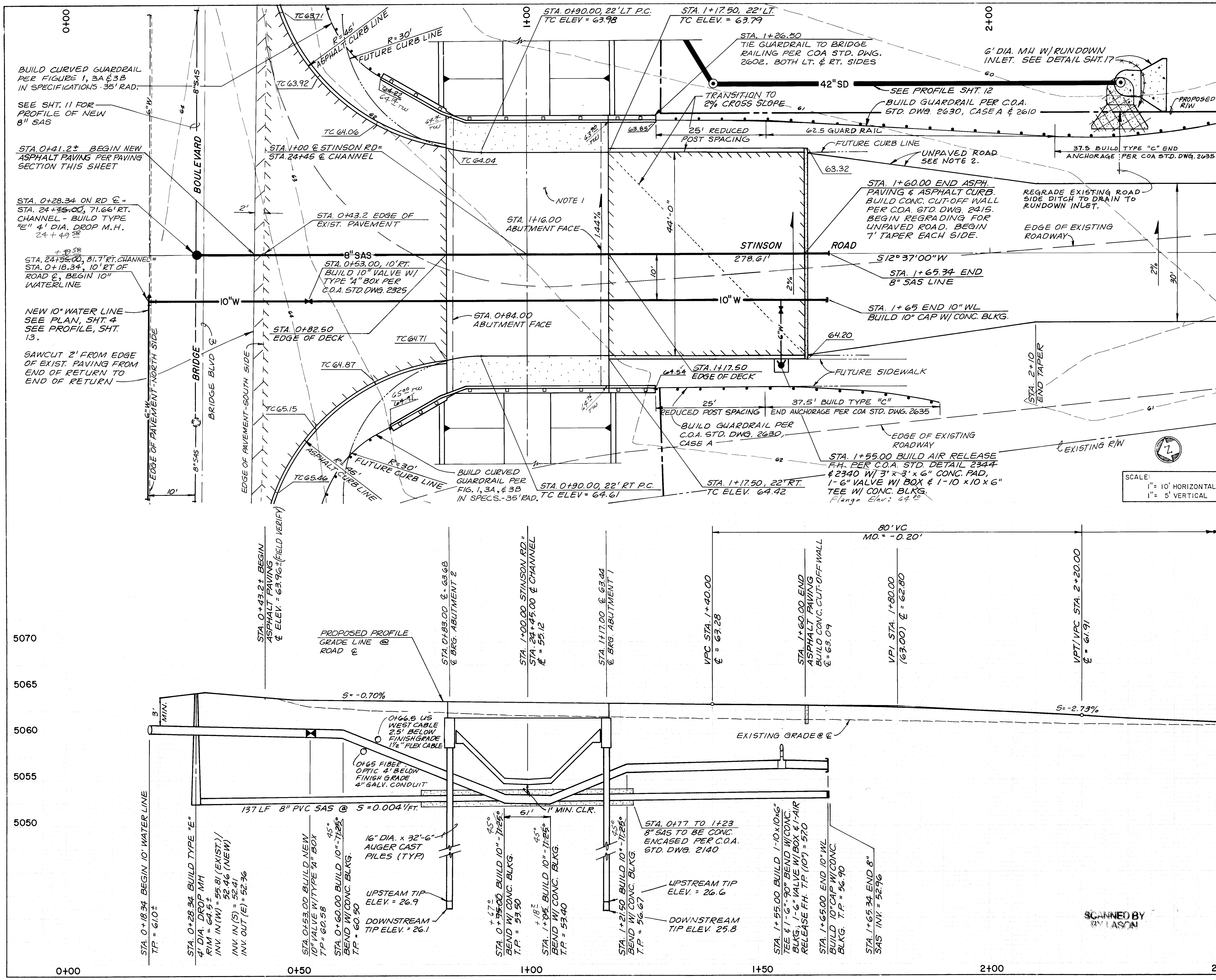
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III
TIERRA BAYITA DRAINAGE FACILITIES
FRONTAGE ROAD CROSSING STRUCTURE & MISCELLANEOUS DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger L. Rose	10-23-91	WATER	[illegible]	10-1-91
Trans. Dev.	[illegible]	10-01-91	WASTE WATER	[illegible]	"
Utility Dev.					
HYDROLOGY	[illegible]	9/24/91			

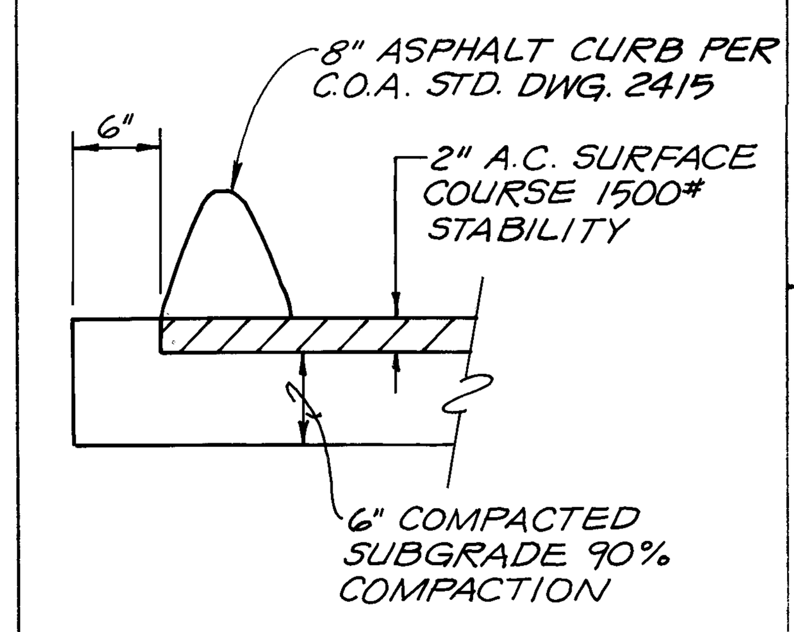
DRAWING NO. 4076.90 | MAP NO. L-10 | SHEET 21 OF 35

RECORD DRAWING



NOTES:

1. ASPHALT ON BRIDGE SHALL BE 1800# STABILITY.
2. UNPAVED ROAD SHALL CONSIST OF 12" OF SUBGRADE PREP. COMPACTED TO 95% DENSITY.



PAVING SECTION
NTS

AS BUILT INFORMATION

MOORE & COVART 1992; WALKER 1992; C. PEDRONCELLI, C.O.A. P.W. 9-92; WALKER 9-92; GREINER 9-92; MICRO-FILM INFORMATION

BENCH MARKS

TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SESAME STREET. N = 1,481,394.909 E = 369,370.080 ELEV = 5072.064

TBM-AMOLE 14 - BRASS CAP ON THE NORTHWESTERLY TURN ISLAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD. N = 1,481,037.480 E = 361,880.107 ELEV = 5035.731

SURVEY INFORMATION

NO	FIELD NOTES BY	DATE
1880	GREINER	6-7/90
1883	GREINER	7&9/90
1886	GREINER	12/90
1893	GREINER	12/90
1893	GREINER	1/91
1910	GREINER	9-10/91

ENGINEER'S SEAL

MARK S. HOLSTAD, NEW MEXICO, No. 7288, REGISTERED PROFESSIONAL ENGINEER

"AS ... ONTAL AND VE... ONLY"

STEPHEN E. WALKER, NEW MEXICO, REGISTERED PROFESSIONAL SURVEYOR

9-26-92

26 4076.902293

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN: DESIGNED BY M.B DATE 1/91; DRAWN BY A.H DATE 1/91; CHECKED BY LSJ/MAM DATE 8/91

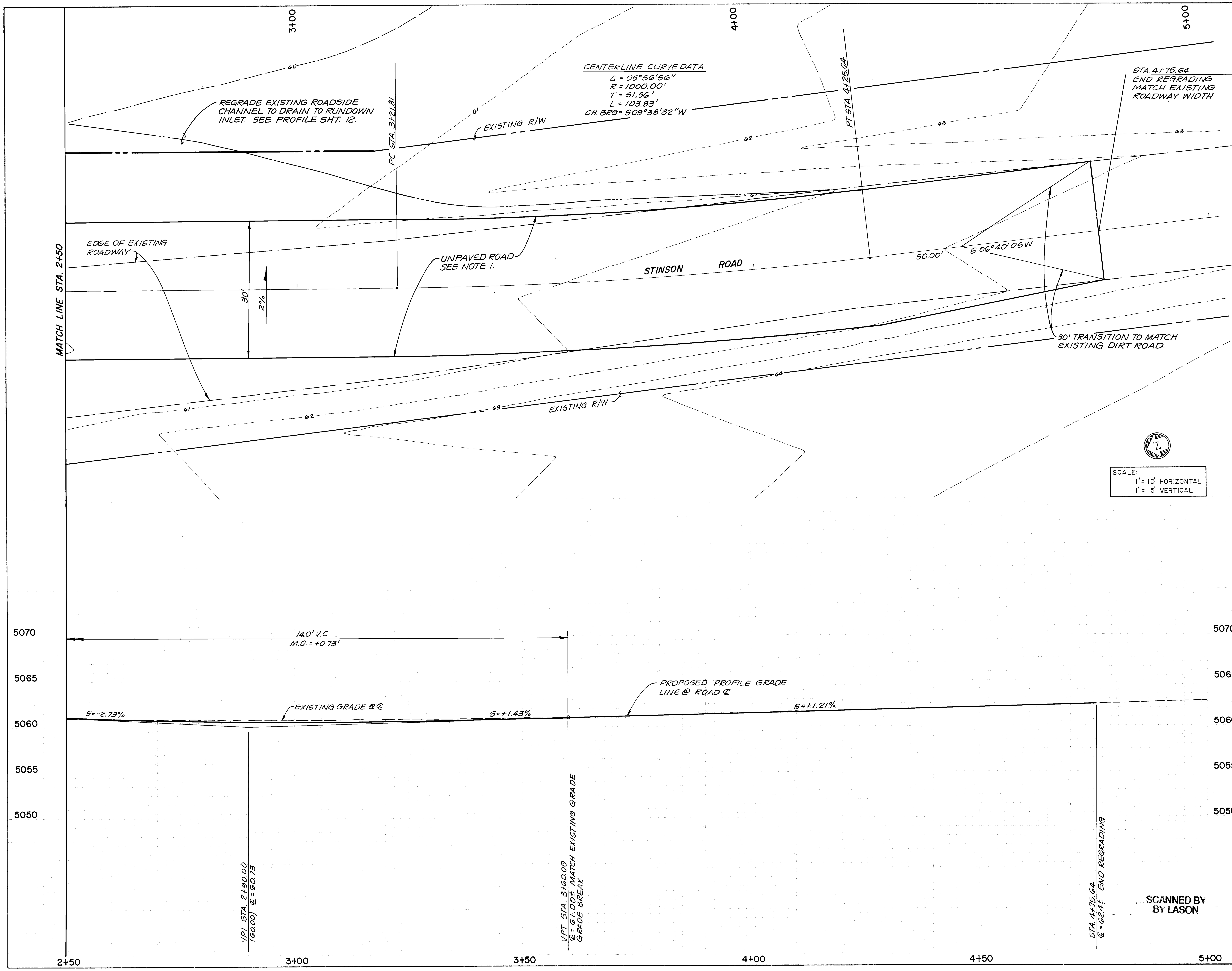
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III
TIERRA BAYITA DRAINAGE FACILITIES
STINSON ROAD PLAN & PROFILE
STA. 0+00 TO STA. 2+50

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		10-23-91	Water		10-1-91
Trans. Dev.		10-21-91	Wastewater		
Hydrology		9/24/91			

DRAWING NO. 4076.90 | MAP NO. L-10 | SHEET 22 OF 35

RECORD DRAWING



NOTES:

1. UNPAVED ROAD SHALL CONSIST OF 12" OF SUBGRADE PREP. COMPACTED TO 95% DENSITY.

AS BUILT INFORMATION

CONTRACTOR: MOORE & COWART 1992
WALKER DATE 1992
C. PEDRONCELLI
C.O.A. PW DATE 9-92
WALKER DATE 9-92
WALKER & GREINER DATE 9-92

MICRO-FILM INFORMATION

BENCH MARKS

TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SESAME STREET. N = 1,481,394.909 E = 360,370.080 ELEV = 5072.064

TBM-AMOLE 14 - BRASS CAP ON THE NORTHWESTERLY TURN ISLAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD. N = 1,481,037.480 E = 361,880.107 ELEV = 5035.731

SURVEY INFORMATION

FIELD NOTES NO	BY	DATE
1880	GREINER	6-7/90
1883	GREINER	7&9/90
1886	GREINER	12/90
1893	GREINER	12/90
1893	GREINER	1/91
1910	GREINER	9-10/91

ENGINEER'S SEAL

MARK S. HOLSTAD, NEW MEXICO, No. 7288, REGISTERED PROFESSIONAL ENGINEER

"AS BUILT" (HORIZONTAL AND VERTICAL LOCATION ONLY)

STEPHEN E. WALKER, NEW MEXICO, 6401, PROFESSIONAL SURVEYOR 9-26-92

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN
DESIGNED BY M.B. DATE 1/91
DRAWN BY A.H. DATE 1/91
CHECKED BY L.S.J. DATE 8/91

26 4076.902393

SCANNED BY LASON

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III
TIERRA BAYITA DRAINAGE FACILITIES
STINSON ROAD PLAN & PROFILE
STA. 2+50 TO STA. 4+75.64

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	[signature]	10-23-91	Water	[signature]	10-1-91
Trans. Dev.	[signature]	10-01-91	Wastewater	[signature]	"
Hydrology	[signature]	9/28/91			

DRAWING NO. 4076.90 | MAP NO. L-10 | SHEET 23 OF 35

RECORD DRAWING

PLACE ASPHALT CURB & TO MATCH EXISTING PAVEMENT BOTH SIDES

CURVE GUARDRAIL TO TIE TO BRIDGE RAILING R=25'0", BOTH SIDES, PER FIGURE 1, 3A & 3B IN SPECIFICATIONS

SAWCUT 2' FROM EDGE OF PAVING FROM END OF RETURN TO END OF RETURN

CURVE GUARDRAIL TO TIE TO BRIDGE RAILING R=25'6", BOTH SIDES, PER FIGURE 1, 3A & 3B IN SPECIFICATIONS

5' TRANSITION FROM ASPHALT CURB TO FLAT - BOTH SIDES MATCH EXISTING GROUND

TC=79.6±
TC=79.71
R=30' ASPHALT CURB LINE
TC=79.75
TC=79.81
TC=80.00
18.07'
STA 35+15.5 GRADE BREAK
73.11
8/31 TW 80.26
76.36
35+26.5
STA 35+29.5 4.1%
EXISTING R/W
℄ CHANNEL
CHANNEL PRC STA. 35+21.27
10'
STA 35+20 GRADE BREAK 73.72
PROPOSED R/W
76.97
STA 35+31.5 (GRADE BREAK 4%)
82.32 TW 81.30
81.30
STA. 1+20.25, 22' LT. TC EL. = 81.46
PC STA. 0+79.75, 22.54' LT. TC EL. = 80.45
PT STA. 0+85.61, 22' LT. TC EL. = 80.60
STA. 0+38 EDGE OF EXIST. PAVEMENT
STA. 0+79.75 EDGE OF DECK
STA 0+36± BEGIN ASPHALT PAVING & ASPHALT CURB PER PAVING SECTION SHT: 22
PT STA. 0+85.72, 22' RT. TC EL. = 80.78
PC STA. 0+79.75, 22.56' RT. TC EL. = 80.63
18.07'
TC=80.21
TC=80.14
80.56 81.55 TW
35+93.7
TC=80.45
FUTURE ℄ BRIDGE BLVD. R=30'
TC=80.86
TC=81.1±
STA 36+08.7 GRADE BREAK
74.07
EDGE OF PAVEMENT
BRIDGE BOULEVARD
℄ WESTERN CROSSING STRUCTURE
2°48'10"
S 12° 37' 26" W
82.25'
44.0'
0.4%
N 80° 11' 44" W
STA. 0+99.99 WESTERN = STA. 35+63.11 ℄ CHANNEL
BUILD 2-TYPE III - 8' BARRICADES W/R11-2 "ROAD CLOSED" SIGNS
STA 1+20.25 EDGE OF DECK
STA. 1+00.00 ℄ WESTERN CROSSING STRUCTURE = STA. 35+63.41, 0.06' LT. ℄ CHANNEL
STA. 1+20.25, 22' RT. TC EL. = 81.64
81.60
81.60 82.56 TW
EXISTING R/W
77.54
STA 35+96 (4%)
77.54 (GRADE BREAK)
CHANNEL PT. STA. 35+93.27
77.54
DETAIL A THIS SHEET
77.54 STA 35+97.4 (GRADE BREAK 4%)
73.57
36+08.4 GRADE BREAK

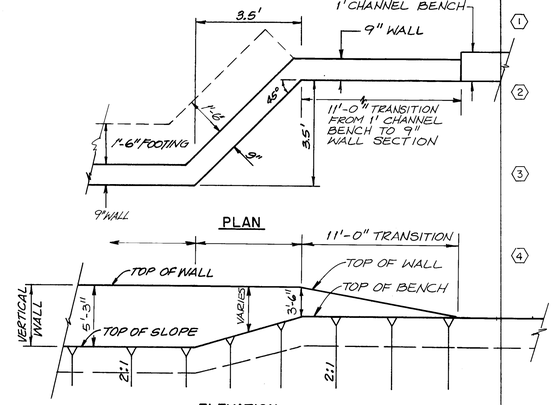
V.E. BARRETT SUBDIVISION
TRACT 14

V.E. BARRETT SUBDIVISION
TRACT 13

SCALE:
1"= 10' HORIZONTAL
1"= 5' VERTICAL

CURVE DATA

①	Δ	= 11°16'58"
	R	= 30.00'
	L	= 5.91'
	T	= 2.96'
②	Δ	= 11°27'49"
	R	= 30.00'
	L	= 6.00'
	T	= 3.01'
③	Δ	= 78°35'16"
	R	= 30.00'
	L	= 41.15'
	T	= 24.55'
④	Δ	= 78°39'58"
	R	= 30.00'
	L	= 41.19'
	T	= 24.58'



DETAIL A
NTS

5085
5080
5075
5070
5065
5060

℄ ASPHALT PAVEMENT
S = 0.025 FT/FT
STA. 0+79.75 BEGIN BRIDGE DECK, END ASPHALT CURB ℄ EL. = 80.54 TC LT. = 80.45 TC RT. = 80.63
RT. TOP OF CURB
LT. TOP OF CURB
S = 0.025 FT/FT
STA. 1+20.25 END BRIDGE DECK TC LT. = 81.46 TC RT. = 81.64
GRADE @ 3:1 TO MATCH EXISTING GROUND
EXISTING GROUND @ ℄ OF CROSSING STRUCTURE
16" DIA x 40' AUGER CAST PILES (TYP.)
UPSTREAM TIP EL.=35.95
DOWNSTREAM TIP EL.=35.71
UPSTREAM TIP EL.=36.96
DOWNSTREAM TIP EL.=36.71
STA. 0+24 ± APPROX. ℄ BRIDGE BLVD. ℄ EL. = 79.1 ±
STA. 0+38 ± APPROX. EDGE OF PAVEMENT ℄ EL. = 79.50
STA. 0+80.19 ℄ BRG. ABUTMENT 2
STA. 1+00 WESTERN = STA. 35+63.41, 0.06 LT. CHANNEL INV.= 66.39
STA. 1+19.69 ℄ BRG. ABUTMENT 1
0+50
1+00
1+50
2+00

SCANNED BY
BY LASON

AS BUILT INFORMATION

BENCH MARKS
TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SESAME STREET. N = 1,481,394.909 E = 360,370.080 ELEV = 5072.064
TBM-AMOLE 14 - BRASS CAP ON THE NORTHWESTERLY TURN ISLAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD. N = 1,481,037.480 E = 361,880.107 ELEV = 5035.731

CONSTRUCTION BY: MOORE & COWART — DATE 1992
AS-BUILTED BY: WALKER — DATE 1992
SURVEYED BY: C.O.A. PW — DATE 9-92
FIELD LOCATION BY: WALKER — DATE 9-92
DRAWINGS COMPILED BY: WALKER & SKINNER — DATE 9-92
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO:

SURVEY INFORMATION

FIELD NOTES

NO	BY	DATE
1880	GREINER	6-7/90
1893	GREINER	7&9/90
1886	GREINER	12/90
1913	GREINER	12/90
1931	GREINER	1/91
1910	GREINER	8-10/91

ENGINEER'S SEAL

"I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEW MEXICO."

STEPHEN E. WILLIAMS — REGISTERED PROFESSIONAL ENGINEER — 9-26-92

NO	DATE	REMARKS
		REVISIONS
		DESIGN — DATE 6/91
		DESIGNED BY SKT BMO — DATE
		DRAWN BY LH — DATE 6/91
		CHECKED BY

26 4076.902493

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III
TIERRA BAYITA DRAINAGE FACILITIES
WESTERN CROSSING STRUCTURE PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		10-23-91	Water		10-23
Trans. Dev.		10-01-91	Wastewater		"
Hydrology		9/24/91			

DRAWING NO. 4076.90 | MAP NO. L-10 | SHEET 24 OF 35

RECORD DRAWING

GENERAL NOTES

1. Workmanship and materials shall conform to New Mexico State Highway Department specification for Road and Bridge Construction, 1984 Edition.
2. Concrete for cast–in–place concrete shall conform to Albuquerque Standard Specifications Section 101, Portland Cement Concrete. Chamfer all exposed edges of concrete structures 3/4 inch unless otherwise noted.
3. Reinforcing bars shall conform to AASHTO M–31, Grade 60, unless otherwise noted. Dimensions are to centerline of bar unless otherwise noted.
4. Foundation data shown on plans are for designers only. The engineer is not responsible for any interpretation or assumptions made by the Contractor based on this information.
5. Structural steel shall be carbon steel conforming to AASHTO M270 unless otherwise noted.
6. Preformed bituminous joint filler shall conform to AASHTO M–213.
7. Waterproofing membrane shall consist of paving fabric ("Petro Mat", "AMOPAVE", or Approved equal) with *approximately 0.25 gal/sq.yd. of hot applied asphalt cement (AC–10), and shall be installed in accordance with manufacturer's recommendations.

* application is for Petro Mat, if alternate material is used fabric test section will be required.

SUPPLEMENTAL SPECIFICATION

Specification for Augered–Pressure Grouted Piling Installation.

DESIGN DATA

Design is in accordance with AASHTO Standard Specifications for Highway Bridges, 1989 Edition and 1990 interim.

Design Loading: Live Load = HS 20–44
Dead Load = 50 psf for future bituminous pavement
Horizontal Earth Pressure = 32 pcf equivalent fluid pressure and 2 feet surcharge

Design Stresses

Structural Steel = AASHTO M270
fs = 20,000 psi

Reinforced Concrete:

Superstructure: f'c = 4,000 psi @ 28 days, n=8
fc = 1,600 psi
fs = 24,000 psi, Grade 60

Substructure: f'c = 4,000 psi @ 28 days, n=8
fc = 1,600 psi
fs = 20,000 psi, Grade 40
fs = 24,000 psi, Grade 60

Prestressed: f'c = 5,000 psi @ 28 days, n=7
Minimum compressive strength of concrete at time of initial prestress f'ci = 4,000 psi
Fly Ash per Section 101
1/2" Dia High Strength seven wire steel strands
f's = 41,300 lbs/strand, fy = 35,100 lbs/strand

Precast Prestressed Beams: fse = 23100 lb/strand Prestress Loss = 5800 lb/strand

Conventional Reinforcing Steel: fs = 20,000 psi, Grade 40

Maximum Computed Pile Load = 80 kips per pile (all 16" Diameter Abutment piles only)

CROSSING STRUCTURE LOCATION TABLE

Bridge Blvd. Location (Station to Station)	Access to	Bridge Name	Span Center of Bearing
16+45.98 to 17+05.98	Frontage Road	Frontage	34'
24+15.00 to 24+75.00	Stinson Road	Stinson	34'
35+33.41 to 35+93.41	Tracts 13 & 14	Western	39'–6"

Note: Frontage and Stinson Bridges are identical in span length and dimensions. Western Bridge is longer in span. All three bridges are 60 ft. wide, from end to end of panels.
All three bridges are incorporated in the details to follow.

INCIDENTAL ITEMS

1. Elastomeric Bearing Pad
2. Waterproofing Membrane
3. Preformed Bituminous Joint Filler
4. Urethane and Polyethylene Joint Filler.
5. Temporary Field Tensioning of Beams.

NOTE: Items listed above shall be incidental to the cost of other items for the completion of the work and no direct payment will be made therefore. This list does not include any incidental work or material required by Standard Drawings, Supplemental specifications, or the Standard Specifications.

MINIMUM SPLICE LENGTHS FOR REINFORCING

BAR SIZE:	#3	#4	#5	#6	#7	#8
SPLICE LENGTH:	1'–0"	1'–3"	1'–7"	1'–11"	2'–3"	2'–6"

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SESAME STREET. N = 1,481,384.909 E = 360,370.080 ELEV = 5072.064

TBM-AMOLE 14 - BRASS CAP ON THE NORTHWESTERLY TURN ISLAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD. N = 1,481,037.480 E = 361,880.107 ELEV = 5035.731

AS BUILT INFORMATION

CONTRACTOR MOORE & COWART DATE 1992
STAKED BY WALKER 1992
INSPECTOR & SURVEYANCE BY C. PEDRONCELLI DATE 9-92
FIELD VERIFICATION BY COLLINS DATE 9-92
DRAWING CORRECTED BY WALKER DATE 9-92
GREINER DATE 9-92

MICRO–FILM INFORMATION

RECORDED BY
DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS
		REVISIONS
		DESIGN

DESIGNED BY: M.J.B. DATE: 1–'91
DRAWN BY: P.J.R. DATE: 1–'91
CHECKED BY: J.C./B.M.O. DATE:

PROJECT NO. G000101

SCANNED BY BY LASON

26 4076.902593

Greiner, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

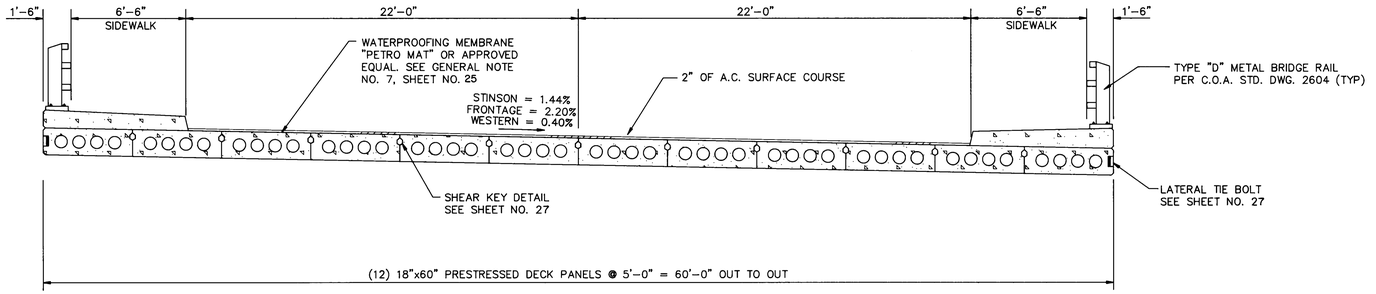
TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES – PHASE III
TIERRA BAYITA DRAINAGE FACILITIES
STRUCTURAL NOTES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman		10-23-91	Water		10-1-91
Transportation		10-01-91	Waste Water	"	"
Hydrology		9/24/91			

DRAWING NO. 4076.90 | MAP NO. L–10 | SHEET 25 OF 35

RECORD DRAWING

G101B01



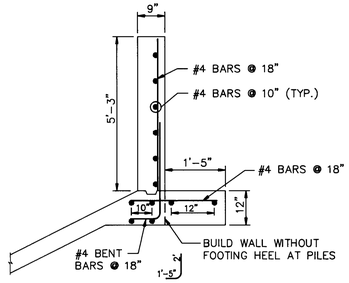
TRANSVERSE SECTION ALL STRUCTURES

SCALE: 1/4"=1'-0"

ABUTMENT PILE LENGTHS ARE AS FOLLOWS:

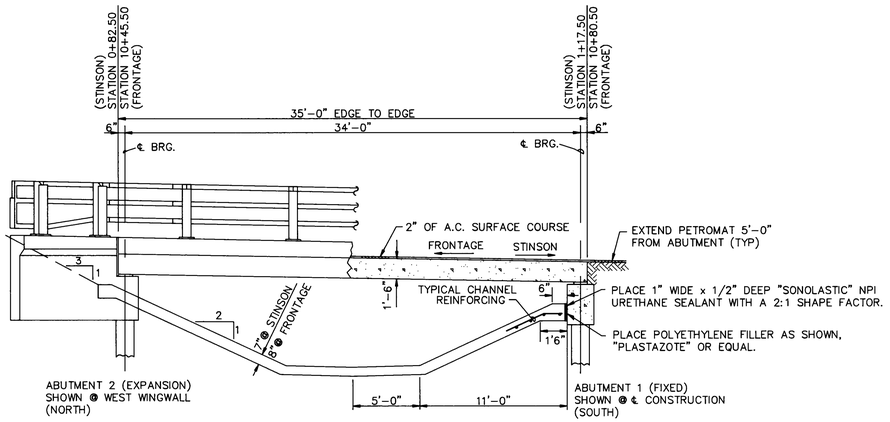
STINSON –	32'-6"	16" DIA.
FRONTAGE –	32'-6"	16" DIA.
WESTERN –	40'-0"	16" DIA.

ALL WINGWALL PILES ARE 12" DIA. X 10' LONG



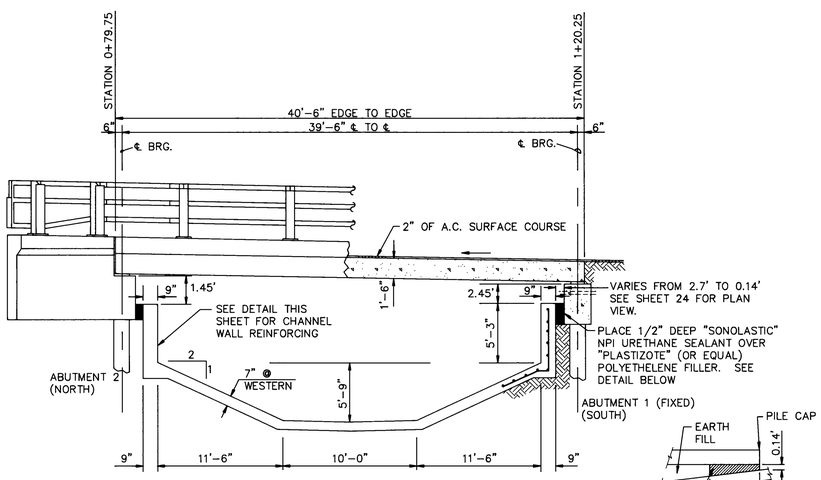
CHANNEL WALL SECTION UNDER WESTERN BRIDGE

NOT TO SCALE



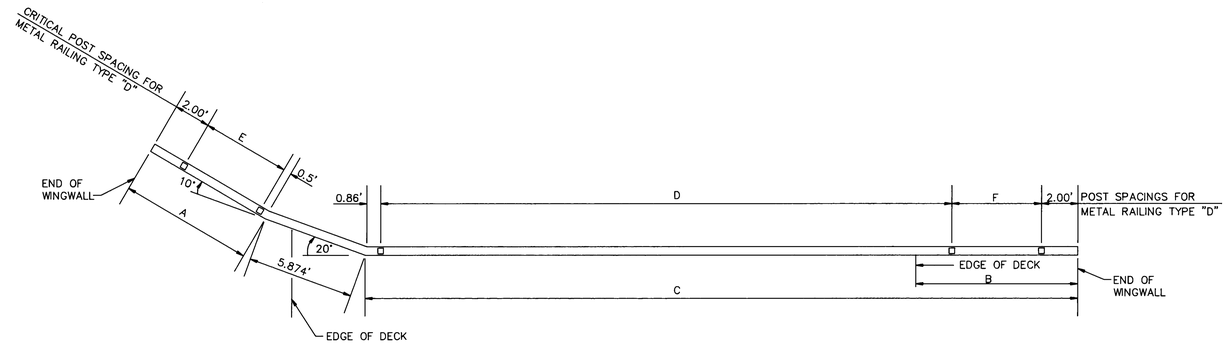
LONGITUDINAL SECTION STINSON AND FRONTAGE

NOT TO SCALE



LONGITUDINAL SECTION WESTERN BRIDGE

NOT TO SCALE



EAST BRIDGE RAIL LAYOUT PLAN

WEST RAIL LEFT HAND

BRIDGE RAIL DIMENSION & POST SPACING

DIMENSION	STINSON		FRONTAGE		WESTERN	
	EAST	WEST	EAST	WEST	EAST	WEST
A	15.00'	12.50'	11.00'	11.00'	14.00'	11.00'
B	10.00'	10.00'	13.00'	13.00'	13.00'	16.00'
C	40.862'	40.862'	43.862'	43.862'	49.362'	52.362'
D	32.00'	32.00'	32.00'	32.00'	37.50'	37.50'
	4 SP @ 8.00'	4 SP @ 8.00'	4 SP @ 8.00'	4 SP @ 8.00'	5 SP @ 7.50'	5 SP @ 7.50'
E	11.75'	9.25'	7.75'	7.75'	10.75'	7.75'
	2 SP @ 5.875'	2 SP @ 4.63'			2 SP @ 5.375'	
F	6.00'	6.00'	9.00'	9.00'	9.00'	12.00'
			2 SP @ 4.50'	2 SP @ 4.50'	2 SP @ 4.50'	2 SP @ 6.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
1860	GREINER	6-7/90
1883	GREINER	7&9/90
1886	GREINER	12/90
1893	GREINER	12/90
1893	GREINER	1/91
1910	GREINER	9-10/91

BENCH MARKS

TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SESAME STREET. N = 1,481,394.909 E = 360,370.080 ELEV = 5072.064

TBM-AMOLI 14 - BRASS CAP ON THE NORTHWESTERLY TURN IN LAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD. N = 1,481,037.480 E = 361,880.107 ELEV = 5035.731

AS BUILT INFORMATION

CONTRACTOR MOORE & COWART DATE 1992

WORK STAKED BY WALKER 1992

INSPECTORS ACCEPTANCE BY C. PEDROGRELLI DATE 9-92

FIELD VERIFICATION BY C.O.A. PW DATE 9-92

DRAWINGS CHECKED BY WALKER & ASSOC. DATE 9-92

MICRO-FILM INFORMATION

RECORDED BY DATE

ENGINEER'S SEAL

MARK S. HOLSTAD NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 8391

PROJECT NO. G000101

NO.	DATE	REMARKS
		REVISIONS
		DESIGN

DESIGNED BY M.J.B. DATE 1-'91

DRAWN BY J.L.R./P.J.R. DATE 1-'91

CHECKED BY J.C./B.M.O. DATE

SCANNED BY BY LASON

26 4076.902693

Greiner, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE AMOLE DEL NORTE STORM DIVERSION FACILITIES – PHASE III
TIERRA BAYITA DRAINAGE FACILITIES

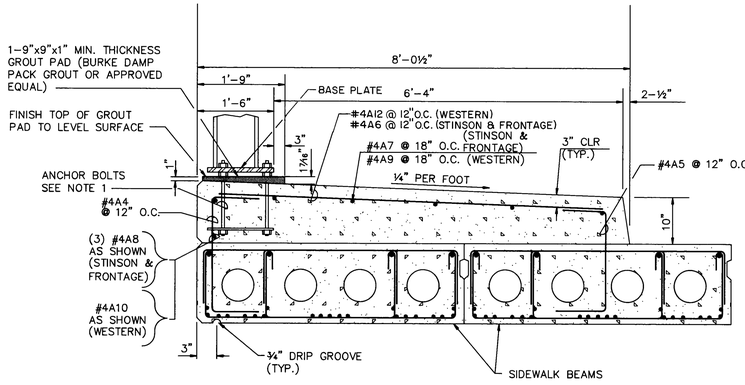
TYPICAL CROSSING STRUCTURE SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chairman		10-23-91	Water		10-29-91
Transportation		10-29-91	Waste Water		"
Hydrology		9/24/91			

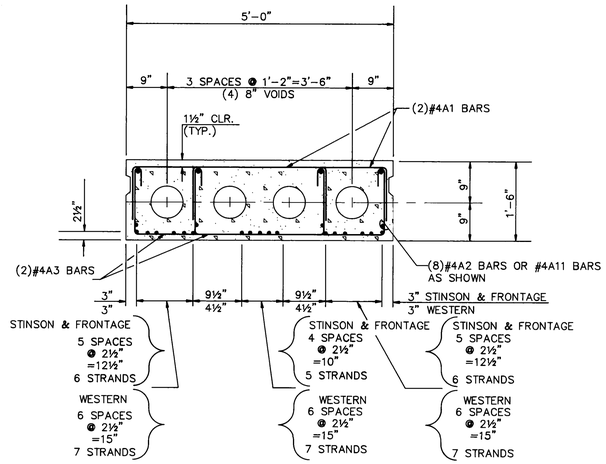
DRAWING NO. 4076.90 | MAP NO. L-10 | SHEET 26 OF 35

RECORD DRAWING

G101C03

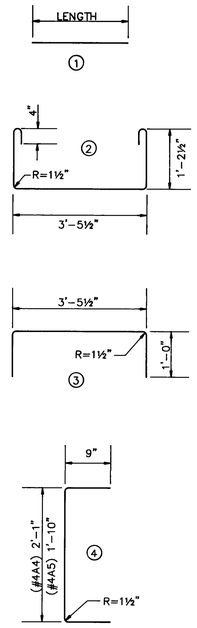


SIDEWALK DETAIL



PRESTRESSED BEAM DETAIL

SEE NOTE 3



BAR BENDING DIAGRAMS

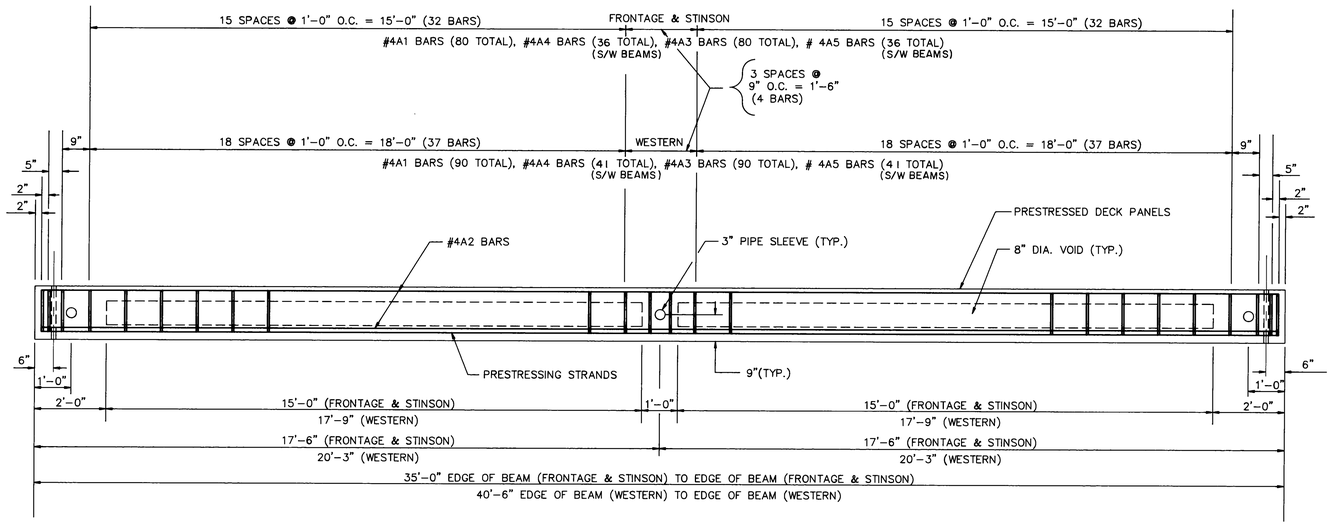
SIDEWALK REINFORCING REQUIRED

REGULAR GRADE 40 BARS (EACH BRIDGE)					
BAR	TYPE	SIZE	LENGTH	NO. REQ'D	REMARKS
#4A6	1	#4	7'–0"	80	FRONTAGE & STINSON
#4A7	1	#4	34'–8"	8	FRONTAGE & STINSON
#4A8	1	#4	34'–8"	6	FRONTAGE & STINSON
#4A9	1	#4	40'–2"	8	WESTERN
#4A10	1	#4	40'–2"	6	WESTERN
#4A12	1	#4	7'–0"	90	WESTERN

PRESTRESSED BEAM (12) REQUIRED

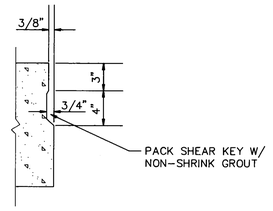
REGULAR GRADE 40 BARS (EACH BEAM)					
BAR	TYPE	SIZE	LENGTH	NO. REQ'D	REMARKS
#4A1	3	#4	5'–5½"	80	FRONTAGE & STINSON
#4A2	1	#4	34'–8"	8	FRONTAGE & STINSON
#4A3	2	#4	6'–8"	80	FRONTAGE & STINSON
#4A4	4	#4	3'–5¾"	36	FRONTAGE & STINSON ✱
#4A5	4	#4	3'–2¾"	36	FRONTAGE & STINSON ✱
#4A1	3	#4	5'–5½"	90	WESTERN
#4A11	1	#4	40'–2"	8	WESTERN
#4A3	2	#4	6'–8"	90	WESTERN
#4A4	4	#4	3'–5¾"	41	WESTERN ✱
#4A5	4	#4	3'–2¾"	41	WESTERN ✱

✱ SIDEWALK BEAMS ONLY

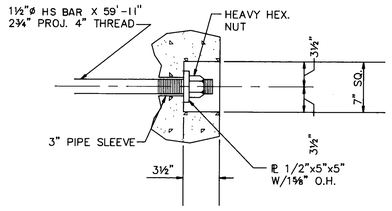


LONGITUDINAL BEAM SECTION

NOT TO SCALE



SHEAR KEY DETAIL



LATERAL TIE AND INSET

SEE NOTE 2

NOTES

1. ANCHOR BOLTS SHALL BE EMBEDDED AS SHOWN IN DETAIL "ANCHOR FOR RAIL POST ON WINGWALL" PER C.O.A. STD DWG. 2604 MODIFIED TO SHOW AN ADDITIONAL PROTRUSION @ TOP OF SIDEWALK.
2. EACH BEAM PANEL SHALL BE COMPRESSED AGAINST THE PREVIOUS PANEL BY MEANS OF TEMPORARY STRESSING BAR THROUGH EACH 3" PIPE SLEEVE. THIS ITEM IS CONSIDERED AS AN INCIDENTAL.
3. DEBOND 4 STRANDS AT 24" EA. AT EACH BEAM END. (STINSON & FRONTAGE) DEBOND 7 STRANDS AT 40" EA. AT EACH BEAM END. (WESTERN)

SURVEY INFORMATION — FIELD NOTES

NO.	BY	DATE
1880	GREINER	6-7/90
1883	GREINER	7&9/90
1886	GREINER	12/90
1893	GREINER	12/90
1893	GREINER	1/91
1910	GREINER	9-10/91

BENCH MARKS

TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SIESAME STREET. N = 1,481,394.909 E = 360,370.080 ELEV = 5072.054

TBM-AMOLE 14 - BRASS CAP ON THE NORTHWESTERLY TURN ISLAND IN THE INTERSECTION OF NORTH/SOUTH COORS CONNECTION AND BRIDGE BOULEVARD. N = 1,481,037.480 E = 361,880.107 ELEV = 5038.731

AS BUILT INFORMATION

CONTRACTOR MOORE & COWART DATE 1992

WORK STAKED BY	WALKER	1992
INSPECTOR'S ACCEPTANCE BY	C. PEDRONCELLI C.O.A. PW	DATE 9-92
FIELD VERIFICATION BY	WALKER	DATE 9-92
DRAWINGS CHECKED BY	WALKER & JENNINGS	DATE 9-92

MICRO-FILM INFORMATION

RECORDED BY DATE

ENGINEER'S SEAL

MARK S. HOLSTAD — NEW MEXICO — REGISTERED PROFESSIONAL ENGINEER — 7076

PROJECT NO. G000101

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY: M.J.B.	DATE 1–'91
		DRAWN BY: P.J.R.	DATE 1–'91
		CHECKED BY: J.C./B.M.O.	DATE

SCANNED BY BY LASON

26 4076.902793

Greiner, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

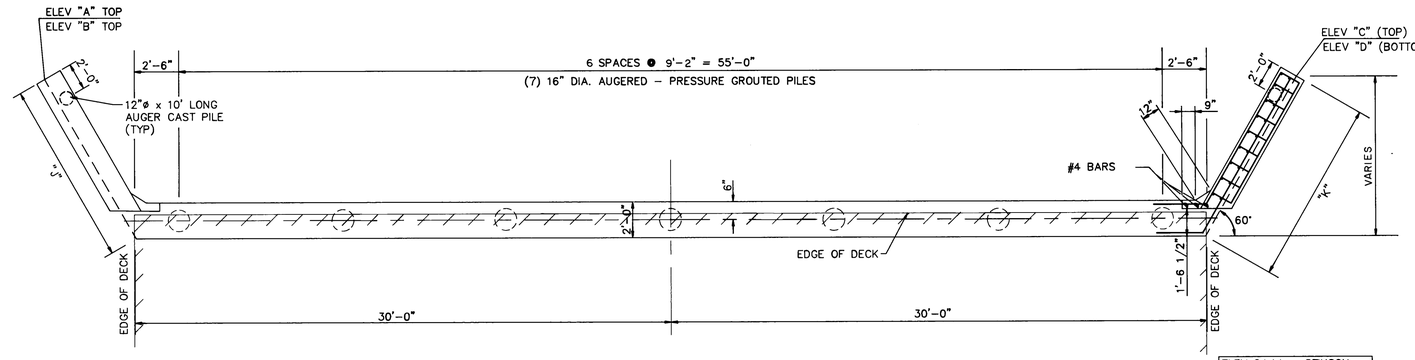
TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES – PHASE III
TIERRA BAYITA DRAINAGE FACILITIES
PRESTRESSED BEAM DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman		10-22-91	Water		10-1-91
Transportation		10-01-91	Waste Water		"
Hydrology		9/24/91			

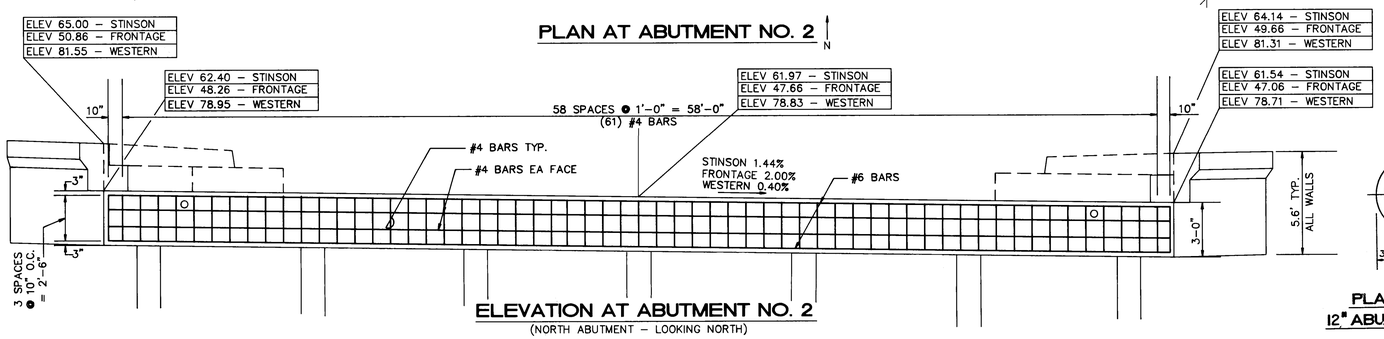
DRAWING NO. 4076.90 | MAP NO. L-10 | SHEET 27 OF 35

RECORD DRAWING

G101B02

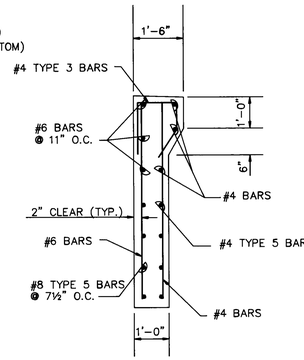


PLAN AT ABUTMENT NO. 2

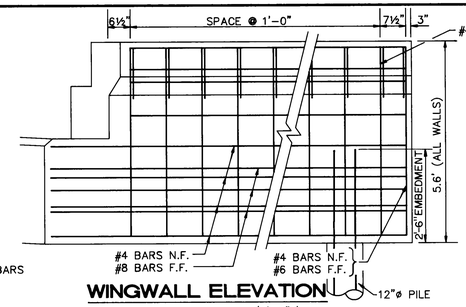


ELEVATION AT ABUTMENT NO. 2

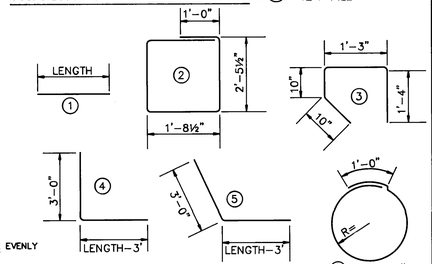
(NORTH ABUTMENT – LOOKING NORTH)



WINGWALL SECTION

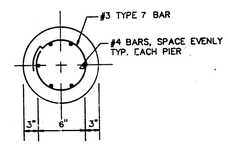


WINGWALL ELEVATION

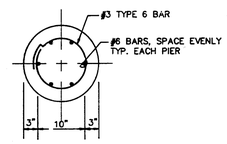


BAR BENDING DIAGRAMS

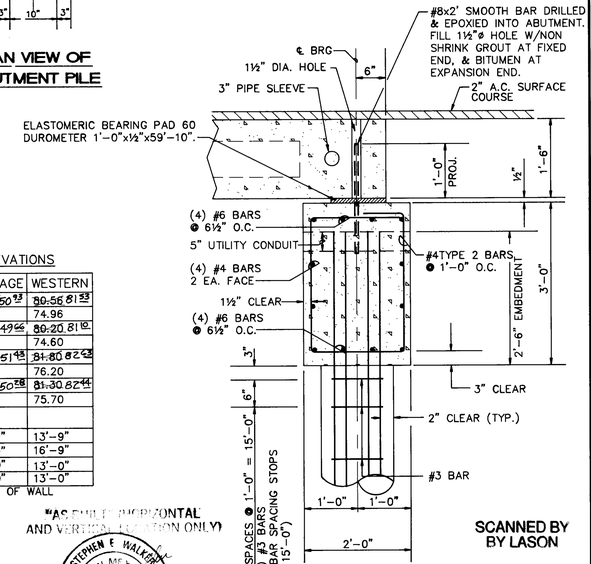
NOTE: ALL RADII=1½" UNLESS OTHERWISE NOTED.



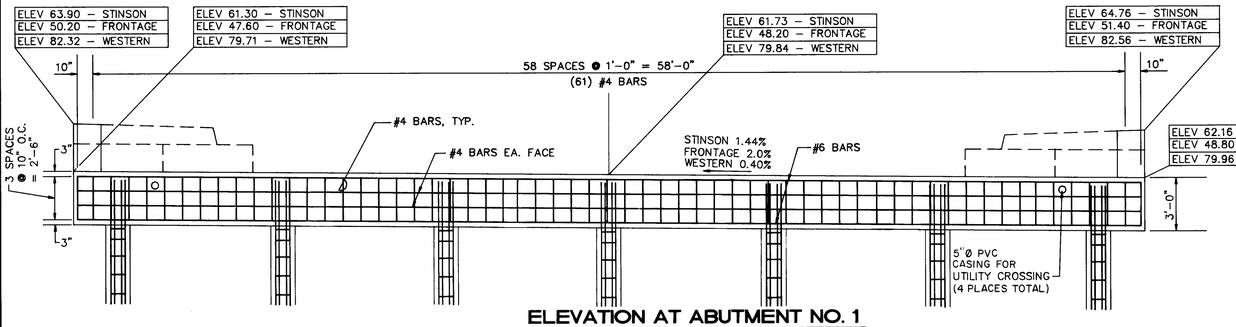
PLAN VIEW OF 12" ABUTMENT PILE



PLAN VIEW OF 16" ABUTMENT PILE



ABUTMENT SECTION



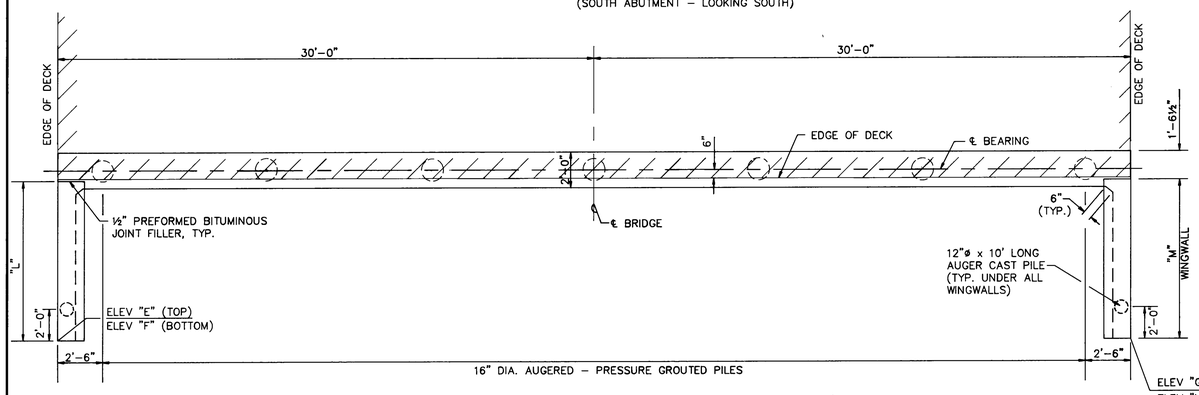
ELEVATION AT ABUTMENT NO. 1

(SOUTH ABUTMENT – LOOKING SOUTH)

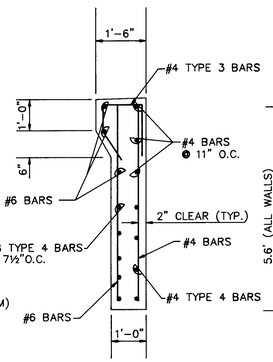
WINGWALL DIMENSIONS & ELEVATIONS

ELEVATIONS	STINSON	FRONTAGE	WESTERN
A (TW)	~~64.91~~ 64.78	~~50.67~~ 50.53	~~80.56~~ 80.33
B (BW)	59.31	45.27	74.96
C (TW)	~~64.22~~ 64.11	~~49.71~~ 49.66	~~80.20~~ 80.10
D (BW)	58.62	44.11	74.60
E (TW)	~~64.54~~ 64.11	~~51.52~~ 51.45	~~81.80~~ 82.43
F (BW)	58.94	45.92	76.20
G (TW)	~~63.85~~ 63.71	~~50.67~~ 50.58	~~81.30~~ 82.44
H (BW)	58.25	45.07	75.70
DIMENSIONS			
J	15'-3"	13'-9"	13'-9"
K	17'-9"	13'-9"	16'-9"
L	10'-0"	16'-0"	13'-0"
M	10'-0"	13'-0"	13'-0"

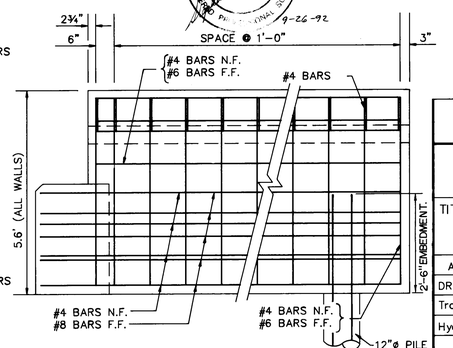
TW = TOP OF WALL, BW = BOTTOM OF WALL



PLAN AT ABUTMENT NO. 1



WINGWALL SECTION



WINGWALL ELEVATION

"AS BUILT" HORIZONTAL AND VERTICAL LOCATION ONLY

STEPHEN F. WALKER NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 9-26-92

SCANNED BY BY LASON

26 4076.902893

AS BUILT INFORMATION

CONTRACTOR MOORE & COVART DATE 1992
WORK STAKED BY WALKER DATE 1992
INSPECTED BY C. PEREZ
ACCEPTANCE BY COA PW
FIELD LOCATION BY WALKER DATE 9-92
DRAWINGS CORRECTED BY WALKER & GREINER DATE 9-92

MICRO-FILM INFORMATION

RECORDED BY DATE

BENCH MARKS

TBM-AMOLE 13 - BRASS CAP SET IN THE NORTH SIDE OF BRIDGE BOULEVARD APPROXIMATELY 30' NORTH OF THE EDGE OF PAVEMENT AND APPROXIMATELY 125' WEST OF SESAME STREET. N = 1,481,394.909 E = 360,370.080 ELEV = 5072.064

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SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE
1880	GREINER	6-7/90
1883	GREINER	7&9/90
1886	GREINER	12/90
1893	GREINER	12/90
1893	GREINER	1/91
1910	GREINER	9-10/91

ENGINEER'S SEAL

NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

PROJECT NO. G00101

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY: M.J.B. DATE
DRAWN BY: J.L.R./P.J.R. DATE
CHECKED BY: J.C./B.M.O. DATE

Greiner, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES – PHASE III
TIERRA BAYITA DRAINAGE FACILITIES

ABUTMENT DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman		10-23-91	Water	N/A	
Transportation		10-01-91	Waste Water	N/A	
Hydrology		9/24/91			

DRAWING NO. 4076.90 | MAP NO. L-10 | SHEET 28 OF 35

RECORD DRAWING

G101804

W20-1
A

W20-5R
B

W4-2R
C

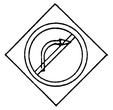
W6-3
J

W1-4L
K

W1-4R
L

R4-7a
S

R3-2
T



R3-1
U

W20-5RR
D

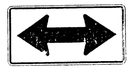
W20-5L
E

W4-2L
F

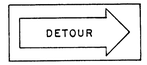
W20-5C
M

W12-1
N

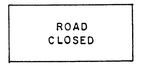
W20-3
O



W1-7
AA



M4-10R
V



R11-2
W

W20-5LL
G

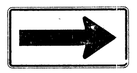
W20-4
H

W20-7a
I

W20-2
P

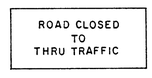
W8-1
Q

W5-1
R



W1-6
BB

M4-9R
Y



R11-4
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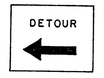

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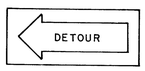
Z

R1-1
CC



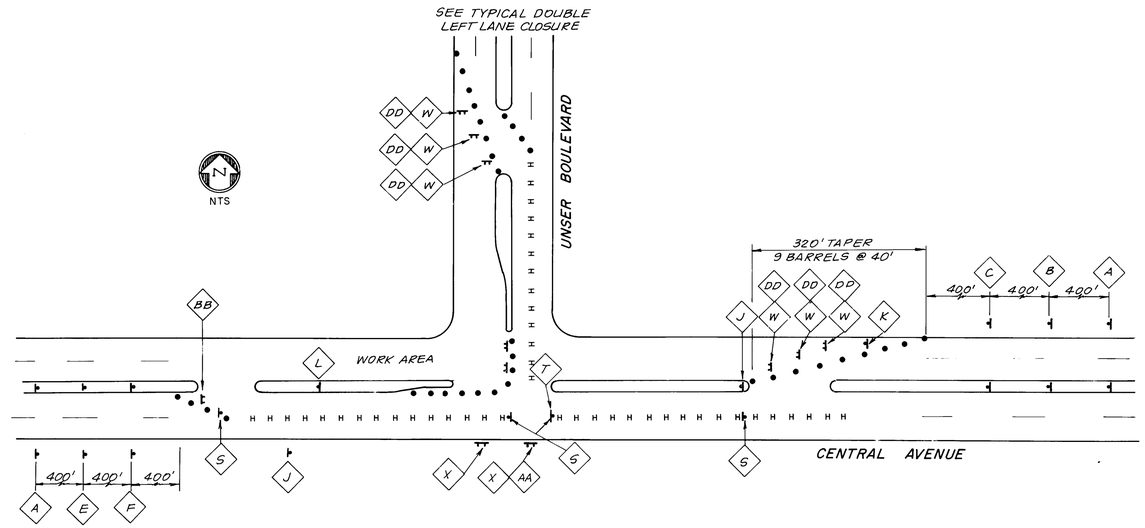
M4-10L
DD

TAPER LENGTH TABLE

SPEED LIMIT (M.P.H.)	TAPER LENGTH (FEET)			MAXIMUM DISTANCE BETWEEN DEVICES (FEET)	MINIMUM NUMBER OF DEVICES REQUIRED
	10 FOOT LANE	11 FOOT LANE	12 FOOT LANE		
25	104	115	125	25	6
30	150	165	185	30	7
35	204	225	245	35	8
40	267	293	320	40	9
45	450	495	540	45	13
50	500	550	600	50	13
55	550	605	660	55	13

CONTROL PLAN LEGEND

- ● , BARRICADE - TYPE I, TYPE II, OR A BARREL
- SIGN
- H VERTICAL PANEL
- BARRICADE - TYPE III
- L = DISTANCE BETWEEN ADVANCE SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO TEN TIMES THE SPEED LIMIT
- S = SPACING BETWEEN BARRICADES - MAXIMUM SPACING TO BE A VALUE MEASURED IN FEET EQUAL TO THE SPEED LIMIT
- TANGENT - TANGENT LENGTH = TAPER LENGTH (SEE CHART)
- FLAG PERSON



UNSER & CENTRAL
TYPICAL QUARTER SECTION CLOSURE

TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR SHALL ADHERE TO SECTION 19 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. ACCESS TO EACH PRIVATE RESIDENCE OR BUSINESS AFFECTED BY THE CONSTRUCTION OF THIS PROJECT SHALL BE MAINTAINED AT ALL TIMES.
3. CONTRACTOR'S HOURS OF OPERATION SHALL BE BETWEEN THE HOURS OF 9:00 AM TO 4:00 PM, SEVEN (7) DAYS A WEEK ON ALL STREETS, ROADS, COLLECTORS AND THOROUGHFARES.
4. A. CONTRACTOR MUST MAINTAIN TWO WAY TRAFFIC ON EACH STREET, ROAD, COLLECTOR, AND THOROUGHFARE.
   B. LANE CHANGES SHALL NOT BE MADE WHILE PASSING THROUGH AN INTERSECTION.
   C. IF A TRAFFIC SPLIT IS REQUIRED, CONTRACTOR SHALL NOTIFY A TRAFFIC ENGINEER. AT A SIGNALIZED INTERSECTION ALL LEFT TURNS SHALL BE PROHIBITED. CONTRACTOR WILL BE LIMITED TO TWO (2) WORKING DAYS IN INTERSECTION.
   D. IF CONTRACTOR PLACES VEHICLE IN ROADWAY, VEHICLE WILL ONLY OCCUPY ONE LANE, BETWEEN THE HOURS OF 9:00 AM AND 4:00 PM FOR A MAXIMUM OF TWO (2) DAYS.
5. AT NO TIME SHALL ANY RESIDENTIAL FEEDER STREET, OR COLLECTOR STREET BE CLOSED WITH THE EXCEPTION OF BRIDGE BOULEVARD WEST OF 75th STREET AND UNSER BOULEVARD SOUTH OF CENTRAL AVENUE WHICH MAY BE CLOSED AT ANY TIME.

AS BUILT INFORMATION
ENGINEER: MOORE & COWART 1992
ASST. ENGR.:
SURVEYED BY: WALKER DATE 1992
DRAWN BY: C. PEDRONCELLI
CHECKED BY: COA PW DATE 9-92
FIELD BOOK:
REVISIONS BY: WALKER DATE 9-92
DRAWINGS CHECKED BY: WALKER DATE 9-92
DRAWINGS PREPARED BY: MICRO-FILM INFORMATION DATE
MYLARS CHECKED BY:
NO.

BENCH MARKS
ACS 10-L-9 ALUMINUM CAP SET IN CONCRETE CURB ON THE NORTHEASTERLY TURN ISLAND IN THE INTERSECTION OF 98th STREET AND CENTRAL AVENUE.
N = 1,492,085.203 E = 352,792.376
ELEV = 5204.425

SURVEY INFORMATION

NO.	BY	FIELD NOTES DATE
1880	GREINER	6-7/90
1883	GREINER	7&9/90
1886	GREINER	12/90
1893	GREINER	12/90
1893	GREINER	1/91
1910	GREINER	9-10/91

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	DATE 1/91	DESIGNED BY MSH	
	DATE 1/91	DRAWN BY A.H.	
	DATE 1/91	CHECKED BY MSH	

SCANNED BY
BY LASON

26 4076.902993

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE IIIA
TIERRA BAYITA DRAINAGE FACILITIES
TRAFFIC CONTROL PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		10-1-91
Trans. Dev		10-01-91	Wastewater		"
Hydrology					

DRAWING NO. 4076.90 | MAP NO. L-10 | SHEET 29 OF 35

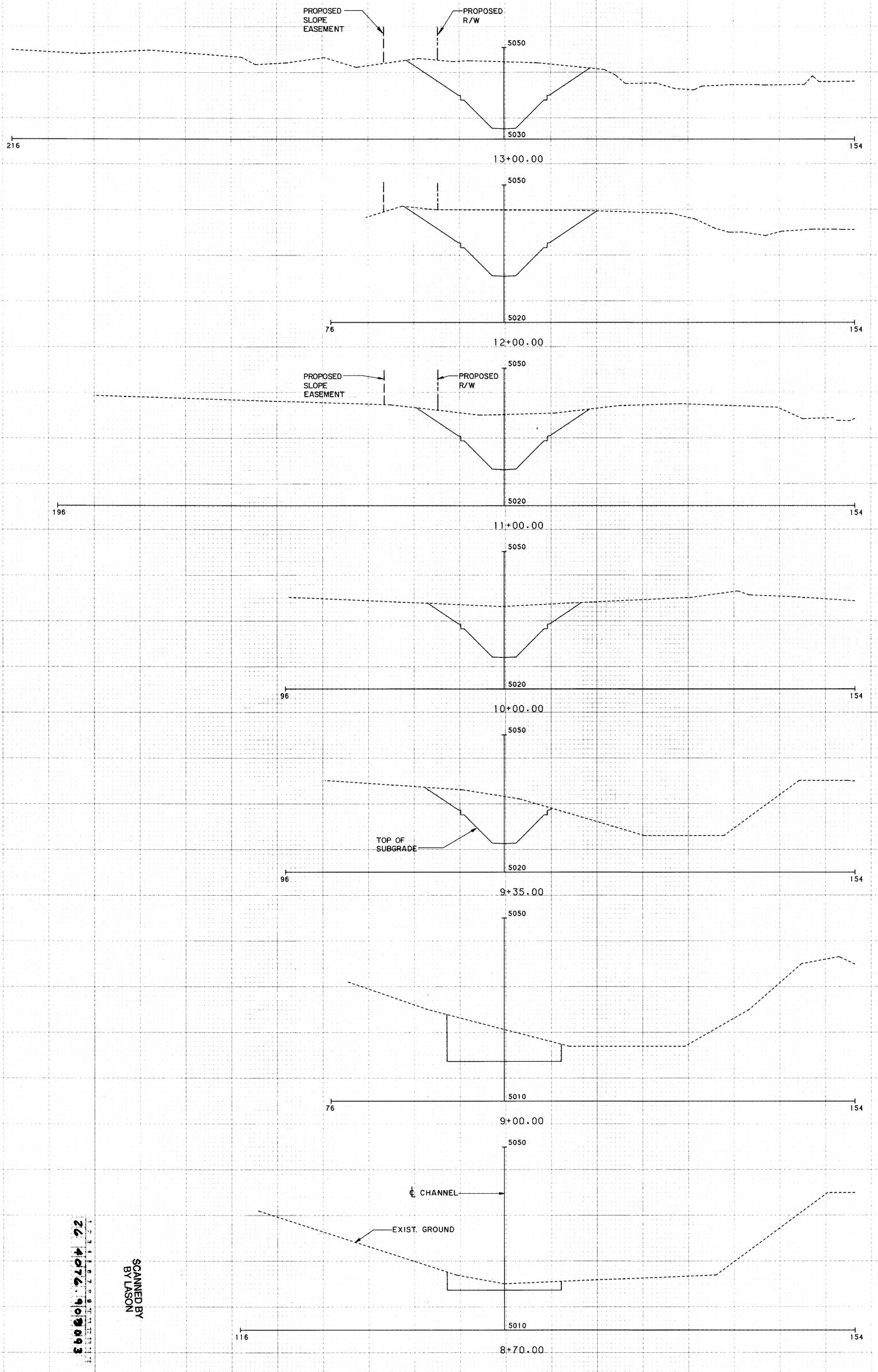
RECORD DRAWING

125990

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

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

BRUNING 44-232 71609



SCANNED BY BY LASON

TERRAIN BASE LINE AA TERRAIN FILE BRIDGE FROM COORS TO UNSER
DESIGN BASE LINE AA CONCRETE LINED CHANNEL ALONG BRIDGE

SCALE -
HORIZONTAL, 1 INCH =20.00 FEET
VERTICAL , 1 INCH =10.00 FEET

G000701 BRIDGE01.PLT
AUG 7,1991 12:14 PM

MARK S. HOLSTAD NEW MEXICO No. 7288 REGISTERED PROFESSIONAL ENGINEER

CHANNEL CROSS SECTIONS

RECORD DRAWING

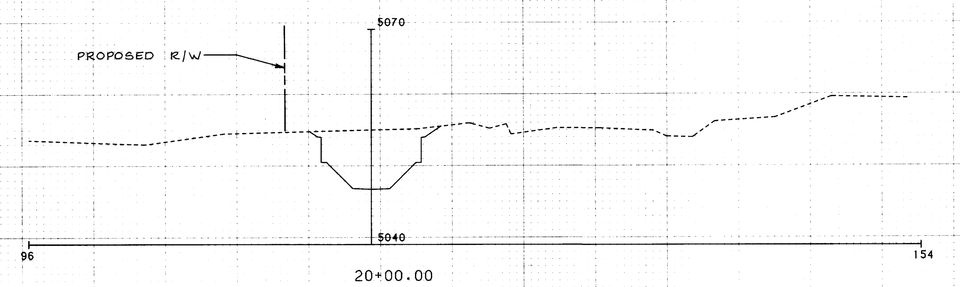
PROJECT NO 4076.90 SHEET NO 30 of 35

STATE OF NEW MEXICO	STATE	PROJ. NO.	SHEETS	SHEET NO.
				6

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

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

BRUNING 44 232 71609



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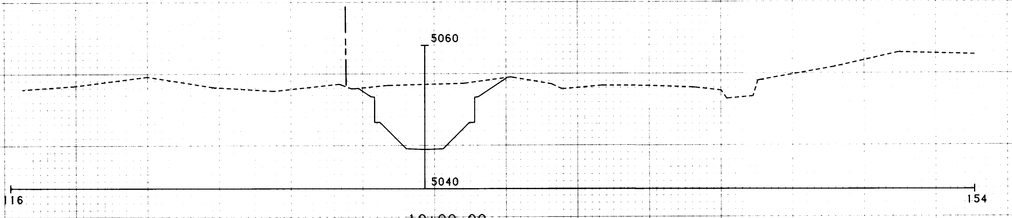

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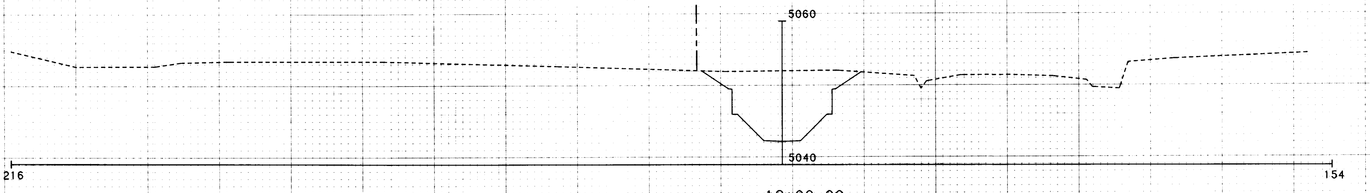

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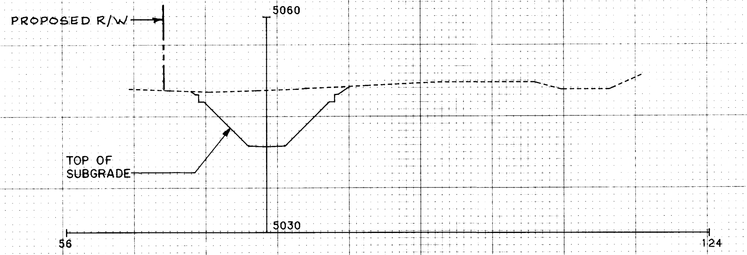

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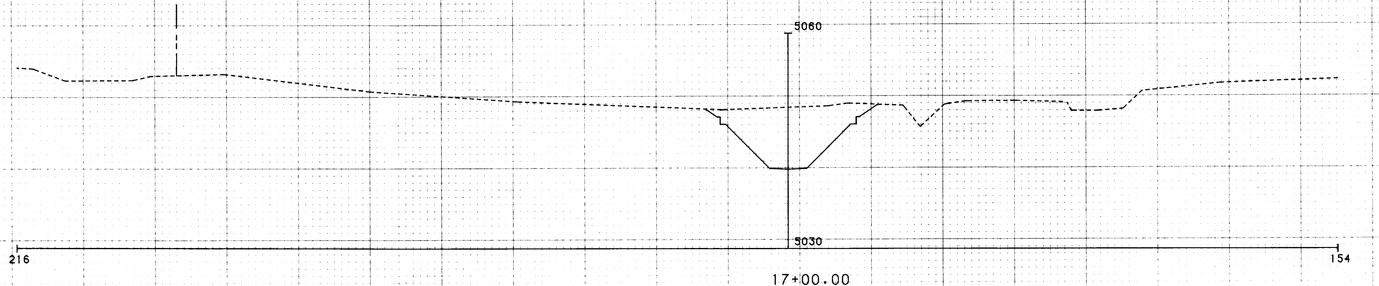

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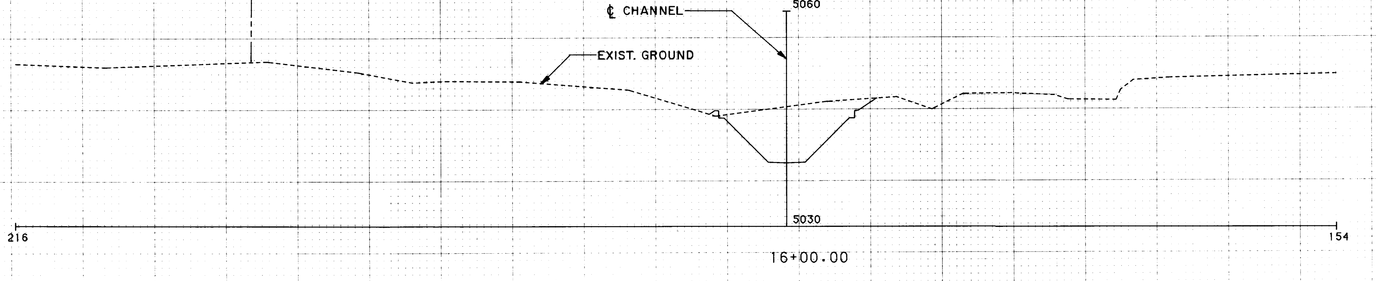

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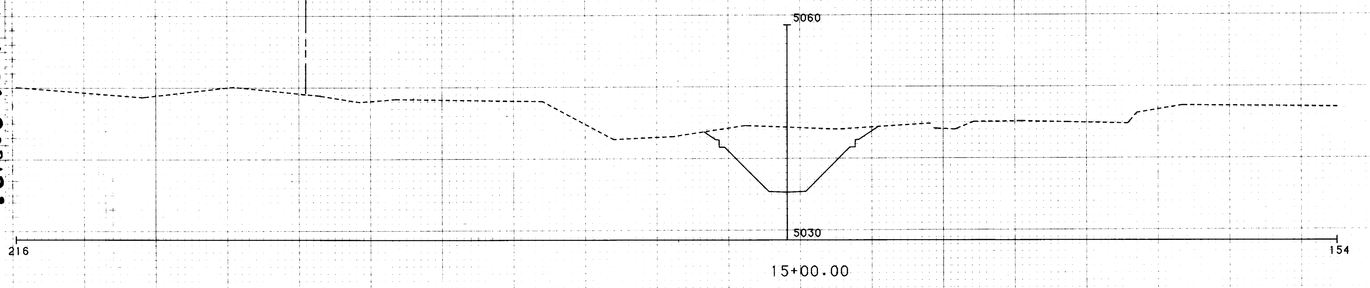

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SCANNED BY LASON

2-4076.90 3/93

CHANNEL CROSS SECTIONS

TERRAIN BASE LINE AA
DESIGN BASE LINE AA

TERRAIN FILE BRIDGE FROM COORS TO UNSER
CONCRETE LINED CHANNEL ALONG BRIDGE

SCALE -
HORIZONTAL, 1 INCH =20.00 FEET
VERTICAL , 1 INCH =10.00 FEET

G000101 BRIDGE02.PLT
AUG 5,1991 1:01 PM

MARK S. HOLSTAD
NEW MEXICO
No. 7288
PROFESSIONAL ENGINEER

FED.R.A. PROJ. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
6	NEW MEXICO			

PROJECT NO. 4076.90 SHEET NO. 31 of 35

RECORD DRAWING

FHWA REGION NO.	STATE	PROJ NO	SHEET NO	TOTAL SHEETS
6	NEW MEXICO			

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

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

TERRAIN FILE BRIDGE FROM COORS TO UNSER
TERRAIN BASE LINE AA
DESIGN BASE LINE AA CONCRETE LINED CHANNEL ALONG BRIDGE
SCALE- HORIZONTAL, 1 INCH =20.00 FEET
VERTICAL, 1 INCH =10.00 FEET

MARK S. HOLSTAD NEW MEXICO No. 7288 REGISTERED PROFESSIONAL ENGINEER

GOOD01 BRIDGE03.PLT
AUG 5,1991 2:40 PM

26 4076.903293

SCANNED BY BY LASON

CHANNEL CROSS SECTIONS
RECORD DRAWING
PROJECT NO. 4076.90 SHEET NO. 32 of 35

BRUNING 44 232-71609

F.H.W.A. REGION NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
6	NEW MEXICO			

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

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

BRUNING 48-232 71604

TERRAIN FILE BRIDGE FROM COORS TO UNSER
TERRAIN BASE LINE AA
DESIGN BASE LINE AA CONCRETE LINED CHANNEL ALONG BRIDGE
SCALE- HORIZONTAL, 1 INCH =20.00 FEET
VERTICAL , 1 INCH =10.00 FEET

MARK S. HOLSTAD NEW MEXICO No. 7288 REGISTERED PROFESSIONAL ENGINEER

6000 FT BRIDGE04.PLT
AUG 5.199 2:31 PM

26 4076.903893

SCANNED BY BY LASON

CHANNEL CROSS SECTIONS

RECORD DRAWING

PROJECT NO. 4076.90 SHEET NO. **33 of 35**

F.H.W.A. REGION NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
6	NEW MEXICO			

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

FINAL SURVEY	SURVEYED		
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

TERRAIN BASE LINE AA TERRAIN FILE BRIDGE FROM CORDS TO UNSER
DESIGN BASE LINE AA CONCRETE LINED CHANNEL ALONG BRIDGE
SCALE -
HORIZONTAL, 1 INCH =20.00 FEET
VERTICAL , 1 INCH =10.00 FEET

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BRUNING 44 237 71609

SCANNED BY
BY LASON

26 4076.903493

CHANNEL CROSS SECTIONS

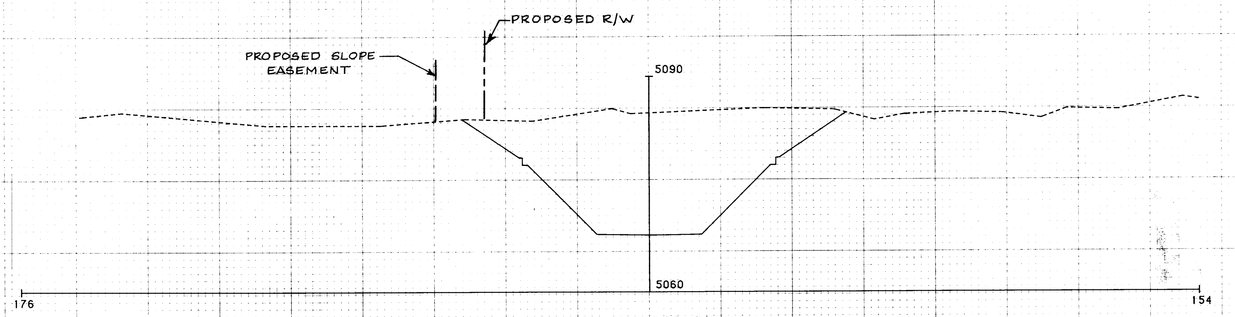
RECORD DRAWING

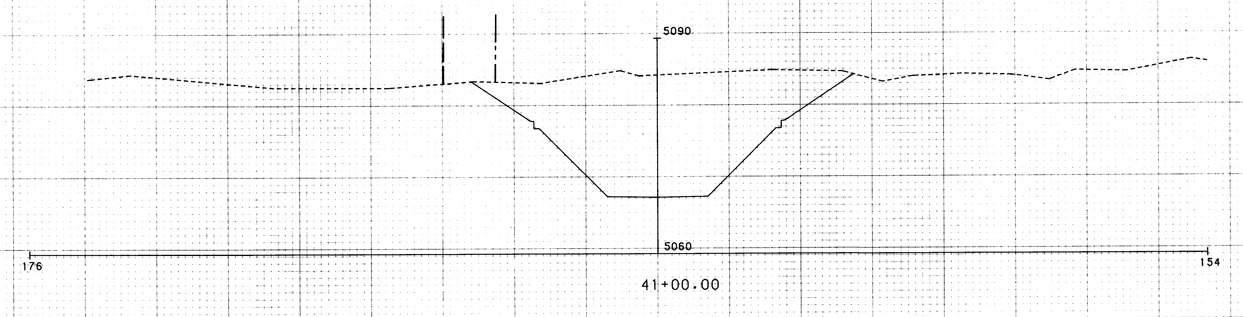
PROJECT NO. 4076.90 SHEET NO. 34 of 35

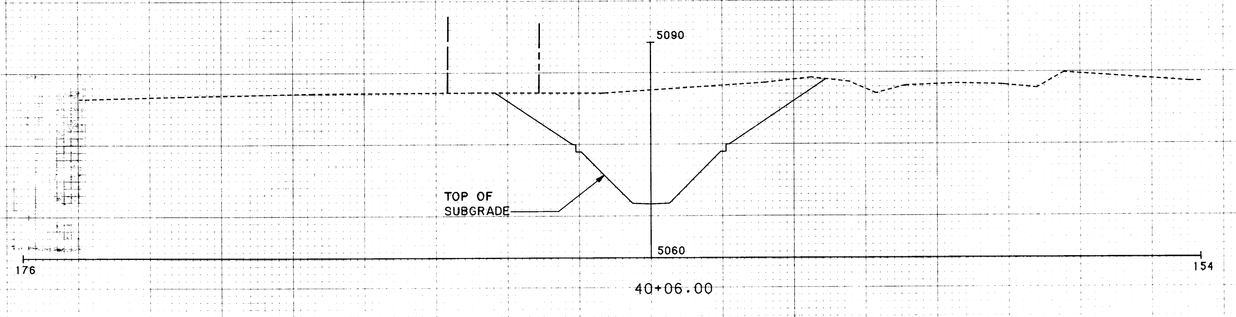
ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

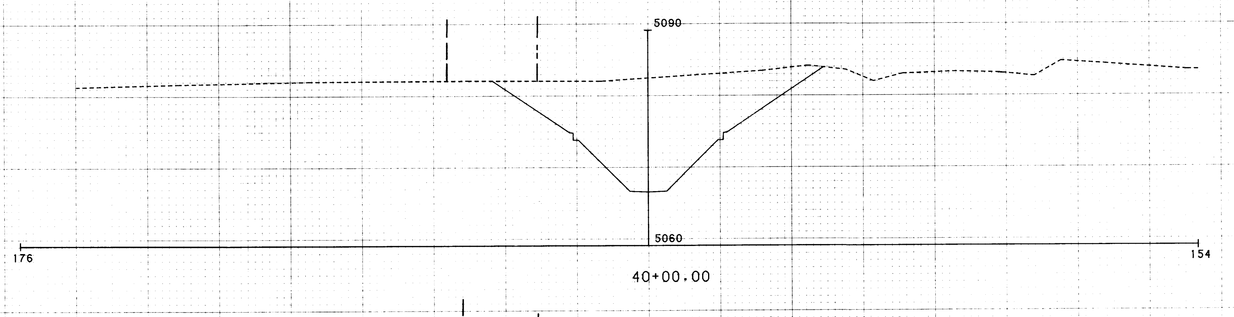
FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

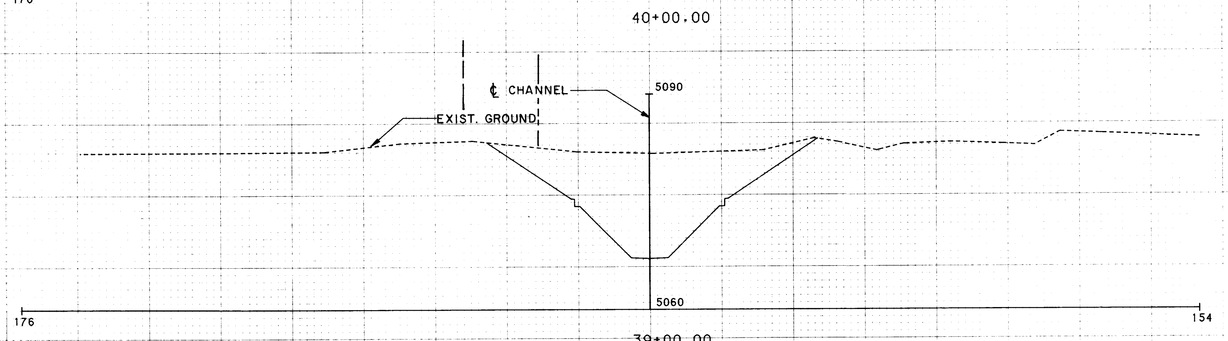
BRUNING 44 232 7609











TERRAIN BASE LINE AA
DESIGN BASE LINE AA

TERRAIN FILE BRIDGE FROM COORS TO UNSER
CONCRETE LINED CHANNEL ALONG BRIDGE

SCALE -
HORIZONTAL, 1 INCH =20.00 FEET
VERTICAL , 1 INCH =10.00 FEET

G000f01 BRIDGE06.PLT
AUG 5.1991 2:06 PM

MARK S. HOLSTAD
NEW MEXICO
No. 7288
REGISTERED PROFESSIONAL ENGINEER

CHANNEL CROSS SECTIONS

RECORD DRAWING

PROJECT NO. 4076.90 SHEET NO. 35 of 35

					6