

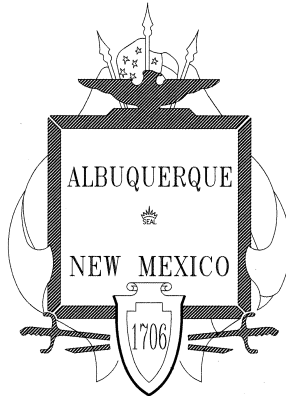
GENERAL NOTES

- ALL WORK DETAILED ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT "CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", 1986 INCLUDING UPDATE NO. 4 AND ADDITIONS IN THE SUPPLEMENTAL SPECIFICATIONS IN THE CONTRACT DOCUMENTS.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- 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.
- 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.
- THE CONTRACTOR SHALL CONFINE HIS WORK TO WITHIN THE CONSTRUCTION LIMITS AND/OR RIGHTS-OF-WAY TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONTRACTOR'S EQUIPMENT SHALL NOT OBSTRUCT ACCESS ROADS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL PROVIDE ACCESS TO ADJACENT PROPERTY AT ALL TIMES.
- 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.
- CONTRACTOR IS RESPONSIBLE FOR SUPPORTING ANY EXISTING UTILITIES EXPOSED DURING REQUIRED EXCAVATIONS.
- 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 SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK SHALL BE TO THE NEAREST JOINT OR SAW CUT.
- 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.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR. REPLACEMENT SHALL BE OF THE SAME QUALITY MATERIAL AND IN THE SAME LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- 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.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- 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.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- WATER SHUT-OFF PLANS ARE FOR CITY USE ONLY. CONTRACTOR IS REQUIRED TO NOTIFY WATER SYSTEMS THREE (3) WORKING DAYS PRIOR TO ANY REQUIRED OPERATIONS (857-8200). WATER DISTRIBUTION SYSTEM SHUT-OFFS AND TURN-ONS SHALL BE AS PER SECTION 18.3 OF THE GENERAL CONDITIONS.
- REMOVALS SHALL BE DISPOSED OF OFF-SITE AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 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.
- 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.
- 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.

AMOLE DEL NORTE
STORM DIVERSION FACILITIES
TIERRA BAYITA DRAINAGE FACILITIES

FOR
CITY OF ALBUQUERQUE - PUBLIC WORKS DEPARTMENT

PHASE IIIB



CITY OF ALBUQUERQUE, NEW MEXICO

OCTOBER 1993

INDEX TO DRAWINGS

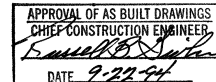
NO.	DESCRIPTION
1	TITLE SHEET
2	SHEET LAYOUT & LEGEND
3	BRIDGE BLVD./UNSER BLVD. STA. 110+04.07 TO 110+75 STORM DRAIN
4	UNSER BLVD. STA. 110+75 TO 123+10 STORM DRAIN
5	UNSER BLVD. STA. 123+10 TO 135+00 STORM DRAIN
6	UNSER BLVD. STA. 135+00 TO 142+57 STORM DRAIN
7	42" STORM DRAIN STA. 10+00 TO 12+31
8	MISCELLANEOUS PROFILES - UNSER BLVD.
9	MISCELLANEOUS STORM DRAIN DETAILS
10	POND STRUCTURAL DETAILS
11	JUNCTION BOX DETAILS
12	WATER SHUT OFF PLANS
13-15	TRAFFIC CONTROL PLANS
16-19	CHANNEL & SD IMPROVEMENTS-STA. 9+00 TO 41+06

GENERAL NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO LANDSCAPING AND IRRIGATION SYSTEMS WITHIN WORK AREA NOT COVERED IN THE PLANS.
- ALL FLOWS INCLUDE A 10% SEDIMENT BULKING FACTOR.
- ALL STORM DRAIN PIPE SHALL BE REINFORCED CONCRETE PIPE UNLESS OTHERWISE NOTED.
- AN AT&T REPRESENTATIVE MUST BE PRESENT WHENEVER AN AT&T CABLE IS EXPOSED. THE AT&T FIBER OPTIC CABLE MUST BE COVERED AT NIGHT TO A MIN. OF 2' OR AT&T SHALL BE CONTACTED TO PROVIDE A GUARD.
- CONTRACTOR MUST SUBMIT A CONSTRUCTION SIGNING AND BARRICADING PLAN TO THE CITY OF ALBUQUERQUE, CONSTRUCTION COORDINATOR, AND RECEIVE A BARRICADING PERMIT 2 WORKING DAYS PRIOR TO BARRICADING OR CLOSING A CITY STREET. ALL CONSTRUCTION SIGNING AND BARRICADING SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT AS-CONSTRUCTED CONDITIONS IN ACCORDANCE WITH INFORMATION FURNISHED BY THE CONTRACTOR (MCC, INC.) AND THE CITY OF ALBUQUERQUE, WHICH PERFORMED ON-SITE INSPECTION DURING CONSTRUCTION AND CONSTRUCTION SURVEYS.



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

APPROVED FOR
CONSTRUCTION
(ADDITIONAL SHEETS 16-19)

Approved
Recorded
B. P. O. 11/1/94

REV	SHEETS	CITY ENGR	DATE	USER DEPT.	DATE	USER DEPT.	DATE
Δ	4, 9, 16, 17, 18	Billy Bookaling	3-30-94	Tom S. Ma...	3-30-94		
APPROVAL OF REVISIONS							



Greiner, Inc.

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

APPROVED FOR
CONSTRUCTION

11/1/93

DRAWING NO.

CITY PROJECT # 4076.91

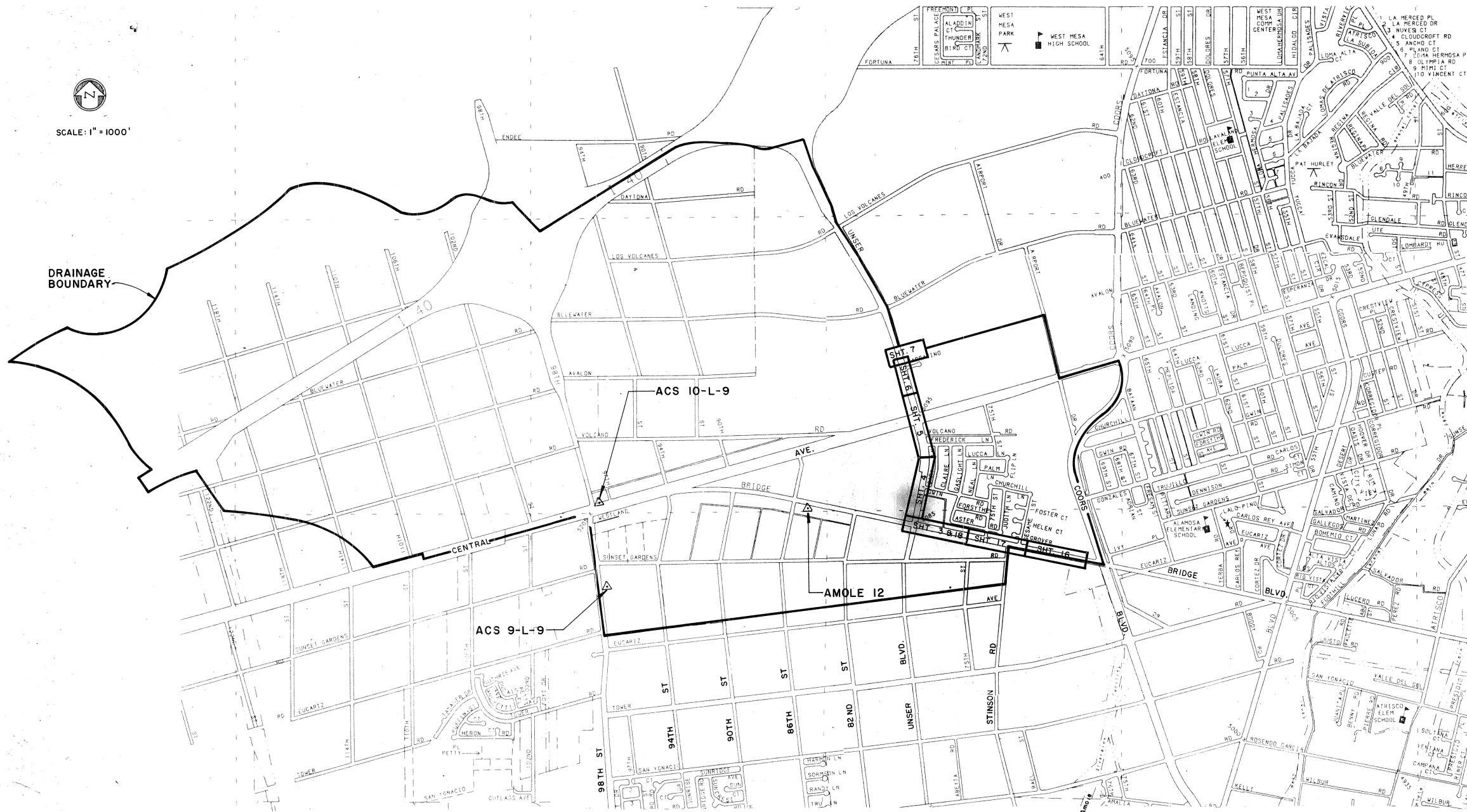
SHEET 1 OF 19



SCALE: 1" = 1000'

DRAINAGE
BOUNDARY

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 = HORIZONTAL CONTROL ONLY
TBM-AMOLE 12	BRASS CAP SET ALONG THE SOUTH SIDE OF BRIDGE BLVD. RIGHT-OF-WAY APPROXIMATELY 255' EAST OF 98th STREET AND APPROXIMATELY 35' SOUTH OF CENTER OF DIRT ROAD. N = 1,482,132.666 E = 356,719.146 ELEV = 5111.080

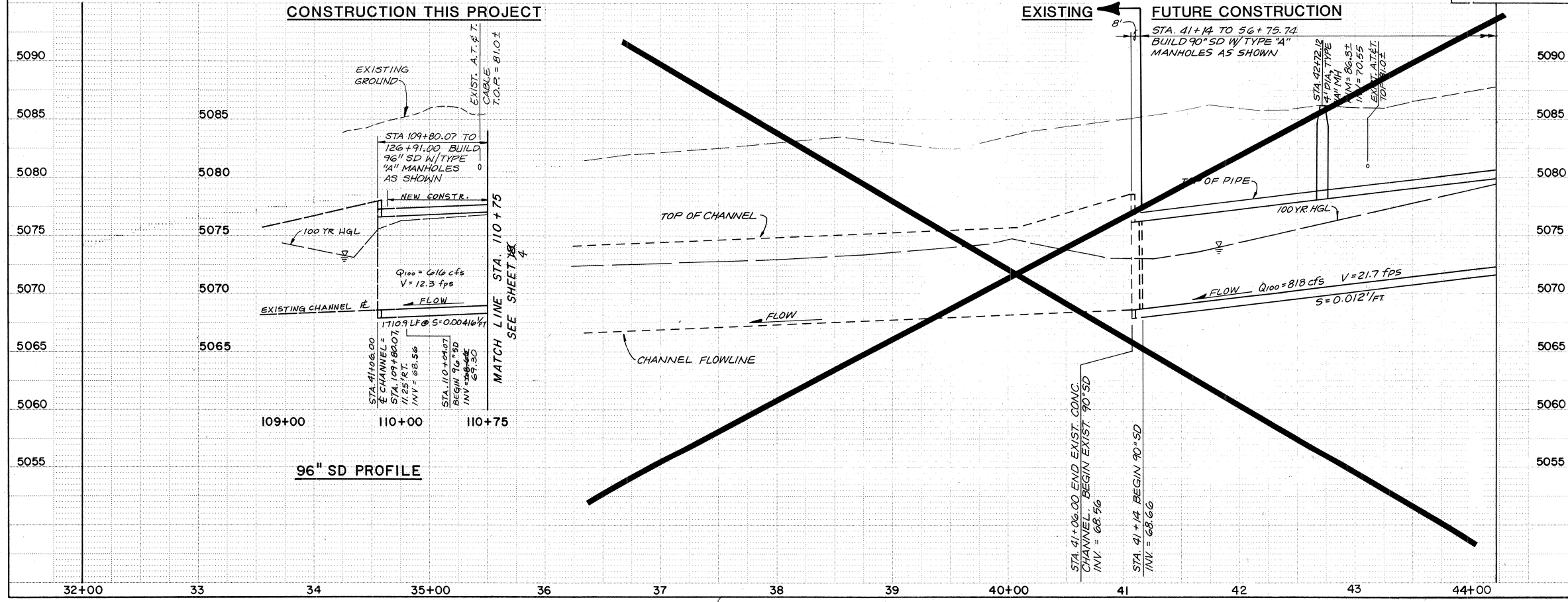
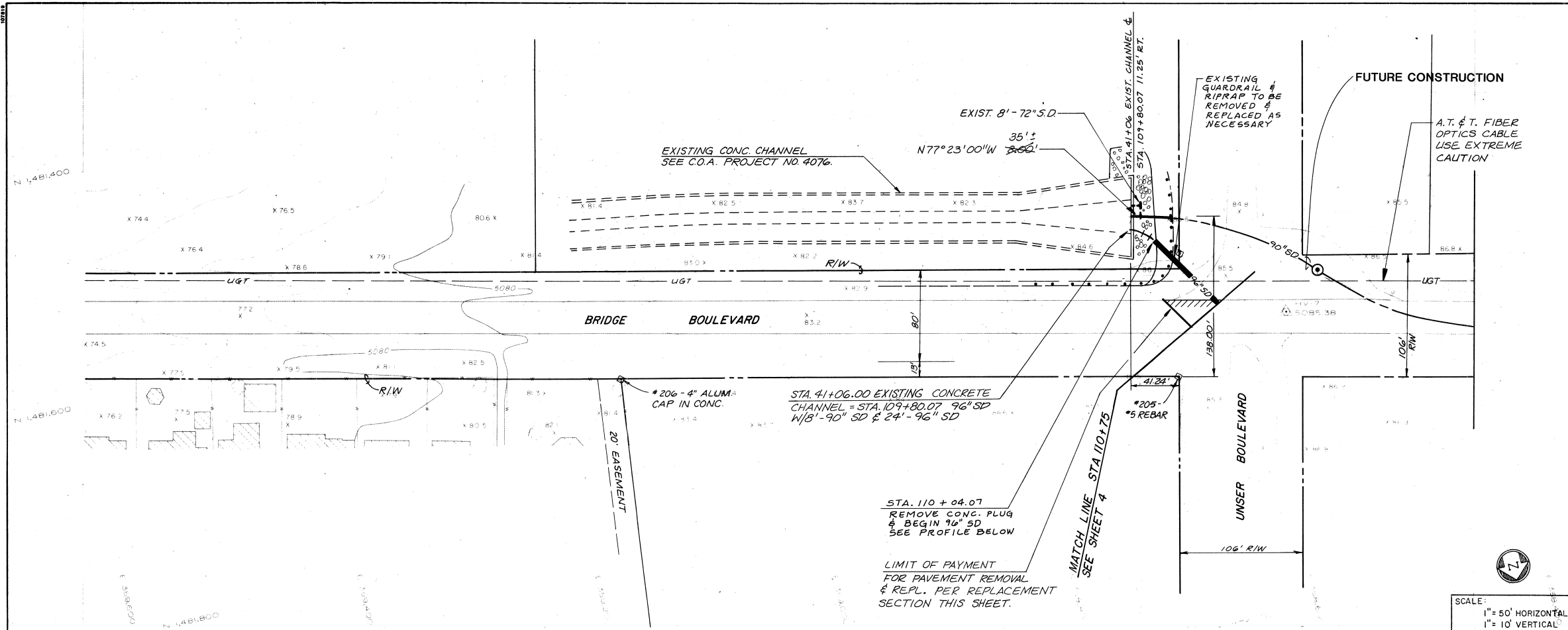


PROJECT LEGEND	
DESCRIPTION	EXISTING NEW
RIGHT-OF-WAY LINE	---
CONTOUR	5090
SPOT ELEVATION	X89.5
CONTROL POINT	◇
GUARD RAIL	—+—+—+—
BUILDING	▢
SIGN	•S
POWER POLE	□
LIGHT POLE	◇
TRAFFIC LIGHT	•TL
FIRE HYDRANT	⋈
TELEPHONE RISER	□
FENCE	—W—W—
WALL	—W—W—
WATER METER	□
WATER VALVE	⋈
SANITARY MANHOLE	⊙
STORM DRAIN MANHOLE	⊙
TELEPHONE MANHOLE	⊙
SANITARY SEWER LINE	—SAS—
WATER LINE	—W—
STORM DRAIN LINE	—SD—
GAS LINE	—G—
CABLE TV LINE	—CATV—
OVERHEAD ELECTRIC LINE	—OHE—
UNDERGROUND TELEPHONE	—UGT—
CONCRETE CHANNEL	▬▬▬▬▬▬
CONCRETE BOX CULVERT	▬▬▬▬▬▬

RECORD DRAWINGS 10/29/94

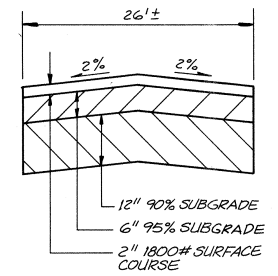
THESE DRAWINGS HAVE BEEN REVISED TO REFLECT AS-CONSTRUCTED CONDITIONS IN ACCORDANCE WITH INFORMATION FURNISHED BY THE CONTRACTOR (MCC, INC.) AND THE CITY OF ALBUQUERQUE, WHICH PERFORMED ON-SITE INSPECTION DURING CONSTRUCTION AND CONSTRUCTION SURVEYS.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE IIIB TIERRA BATTA DRAINAGE FACILITIES			
SHEET LAYOUT & LEGEND			
APPROVALS	ENGINEER	DATE	APPROVALS
DRC. CHAIRMAN	B. G. Anderson	11-05-93	WATER
TRANSPORTATION	K. D. Smith	11-04-93	WASTE WATER
HYDROLOGY	K. D. Smith	11-1-93	
DRAWING NO.	4076.91	MAP NO.	SHEET 2 OF 19



RECORD DRAWINGS 11/24/94

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT AS-CONSTRUCTED CONDITIONS IN ACCORDANCE WITH INFORMATION FURNISHED BY THE CONTRACTOR (MCC, INC.) AND THE CITY OF ALBUQUERQUE, WHICH PERFORMED ON-SITE INSPECTION DURING CONSTRUCTION AND CONSTRUCTION SURVEYS.



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
26	40	76	9	10	3	9	4							

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

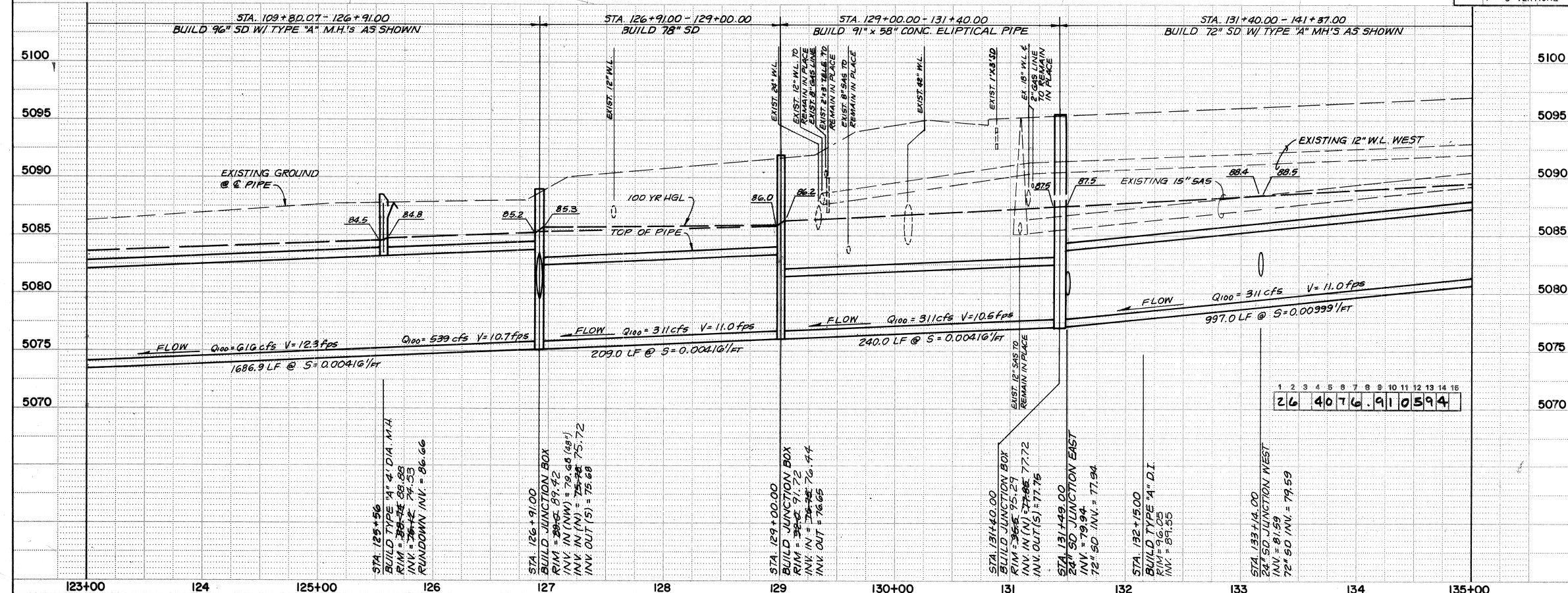
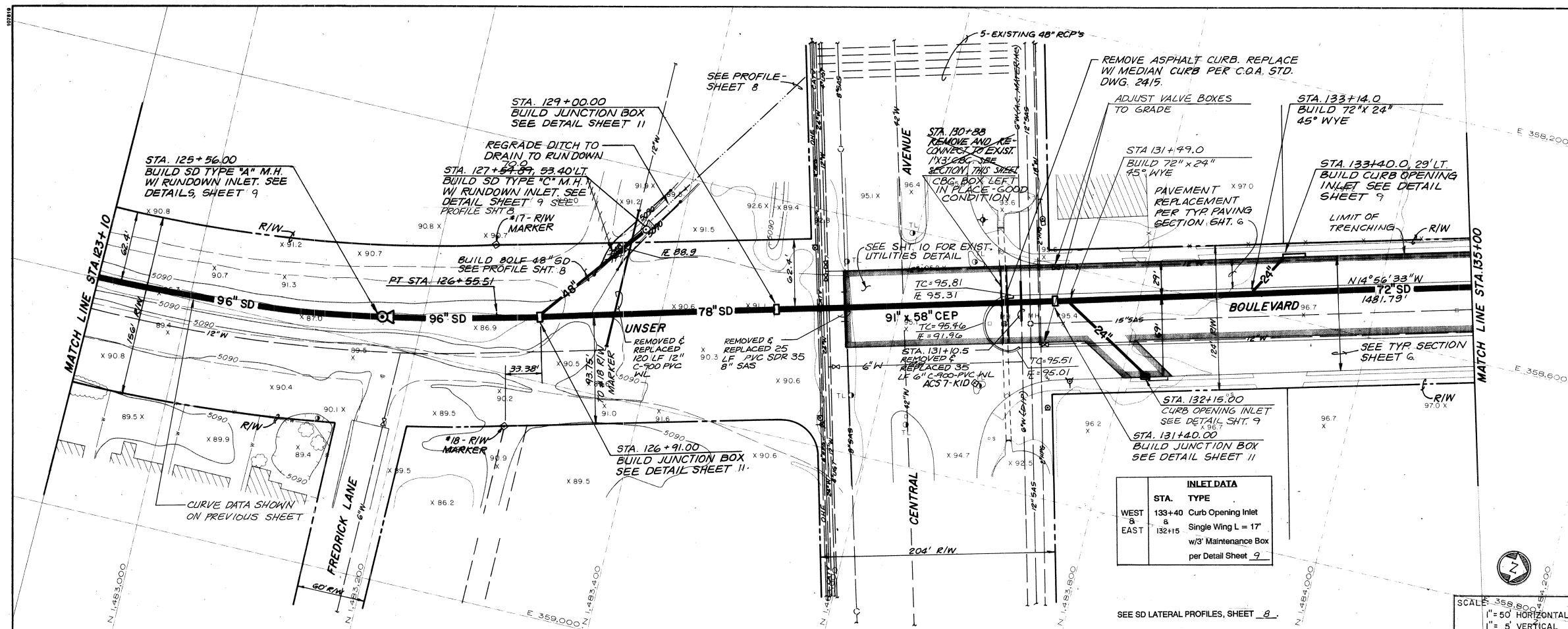
TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III
TIERRA BATITA DRAINAGE FACILITIES

BRIDGE BOULEVARD/UNSER BOULEVARD STA 110+04.07 TO STA 110+75 STORM DRAIN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	A. G. Sanchez	11-08-93	Water	William Balch	10-24-93
Trans. Dev.	R. D. Dwyer	11-01-93	Wastewater	William Balch	10-24-93
Hydrology	J. Dwyer	11-1-93			

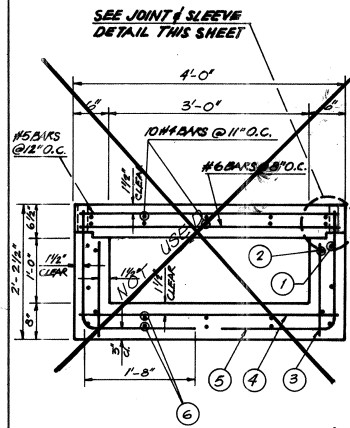
DRAWING NO. 4076.91 MAP NO. L-10 SHEET 3 OF 19

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
	BY	NO.	DATE	ACS 10-L-8	ALUMINUM CAP SET IN CONCRETE CURB ON THE NORTHEASTLY TURN ISLAND IN THE INTERSECTION OF 98th STREET AND CENTRAL AVENUE.	CONTRACTOR	MCC, INC.
		1880	GREINER	DATE	6/7/90	WORK	DATE
		1883	GREINER	DATE	7/6/90	INSPECTION	DATE
		1886	GREINER	DATE	12/90	ACCEPTANCE BY CDA	DATE
	REVISIONS	NO.	DATE	1883	GREINER	DATE	7/94
		DESIGNED BY	DATE	1883	GREINER	DATE	7/94
		DRAWN BY	DATE	1883	GREINER	DATE	7/94
		CHECKED BY	DATE	1883	GREINER	DATE	7/94



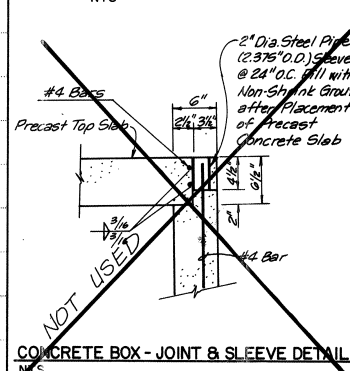
NOTES

1. ELLIPTICAL PIPE JOINTS SHALL BE TONGUE AND GROOVE AND WILL REQUIRE A MASTIC SEALANT INSIDE AND A CONCRETE DIAPER OUTSIDE. THIS WORK WILL BE INCIDENTAL TO THE COST OF THE PIPE.
2. SEE WATER SHEET OFF PLAN ON SHEET 12 FOR WATERLINE CLOSURES IN CENTRAL. (42", 24" & 12" LINES)



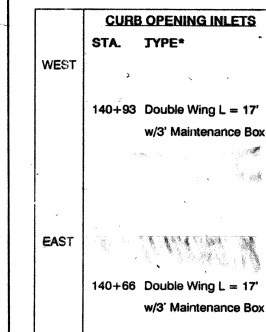
1. 4-BARS @ 6" O.C.
2. 4-BARS @ 12" O.C.
3. 4-BARS @ 12" O.C.
4. 5-BARS @ 8" O.C.
5. 4-BARS @ 8" O.C. EXTEND 3" INTO PIPE SLEEVE EVERY 3ND BAR. EXTEND BARS TO TOP REBAR MAT IN TOP SLAB IN MONOLITHIC CATCH BASIN SECTION.
6. 4-BARS @ 12" O.C.

STA 130+88
1'x3' CBC
NTS

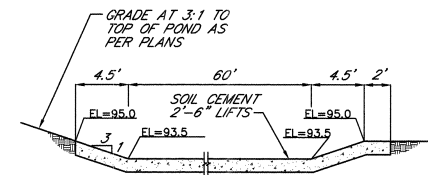
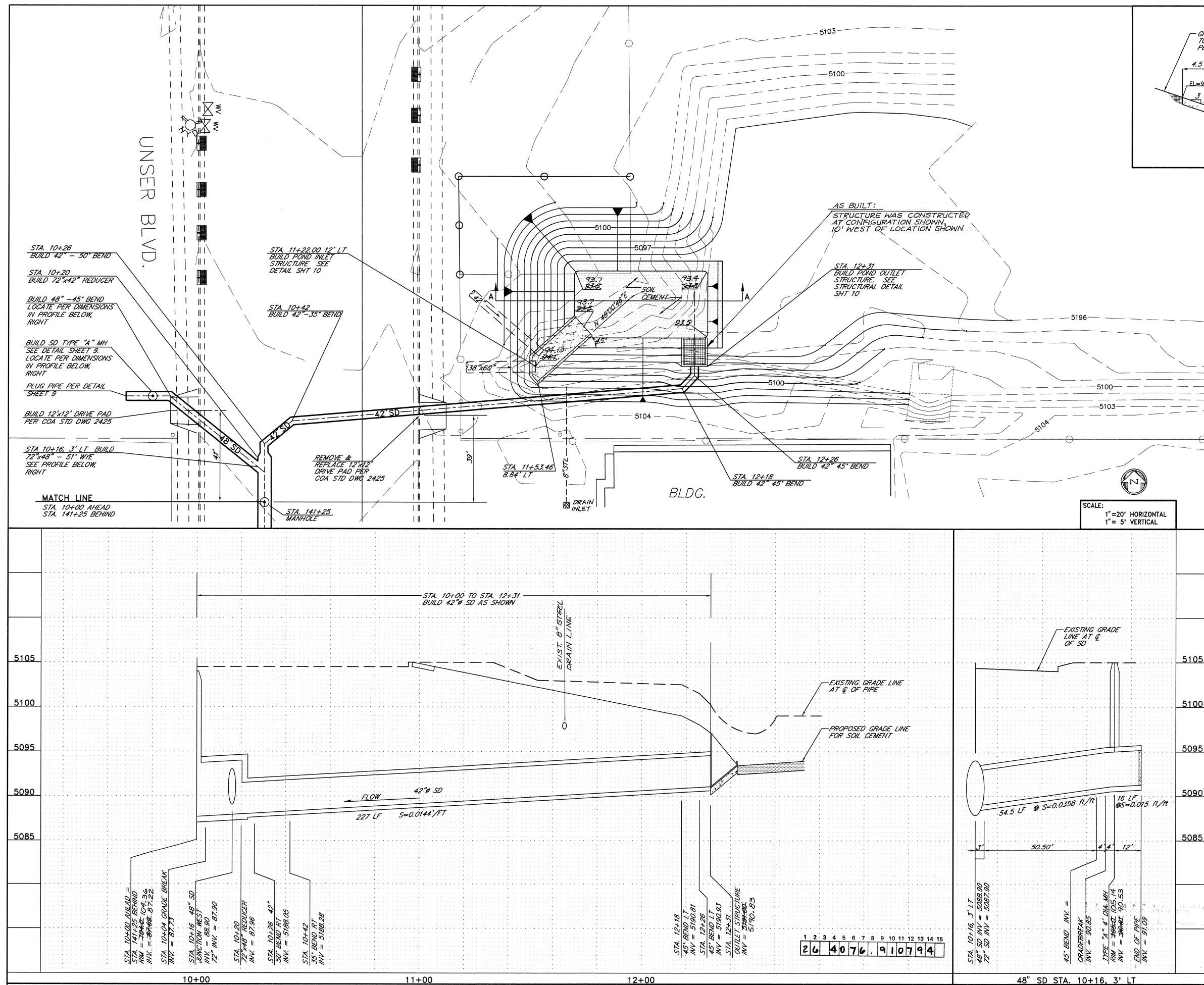


RECORD DRAWINGS
THESE DRAWINGS HAVE BEEN REVISED TO REFLECT AS-CONSTRUCTED CONDITIONS IN ACCORDANCE WITH INFORMATION FURNISHED BY THE CONTRACTOR (MCC, INC.) AND THE CITY OF ALBUQUERQUE, WHICH PERFORMED ON-SITE INSPECTION DURING CONSTRUCTION AND CONSTRUCTION SURVEYS.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE IIIb TIERRA BATTA DRAINAGE FACILITIES					
UNSER BOULEVARD - STA. 123+10 TO STA. 135+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Ag. Arredondo	11-08-93	Water	William Bahr	10-29-93
Trans. Dev.	A. D. D. D.	11-07-93	Wastewater	William Bahr	10-29-93
Hydrology	P. D. D.	11-1-93			
DRAWING NO.	4076.91	MAP NO.	K-10	SHEET	5 OF 19



DRAWING NO. 4076.90	MAP NO. K-10	SHEET 6 OF 19
------------------------	-----------------	---------------

SECTION A-A
NTSSCALE:
1"=20' HORIZONTAL
1"=5' VERTICAL

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT AS-CONSTRUCTED CONDITIONS IN ACCORDANCE WITH INFORMATION FURNISHED BY THE CONTRACTOR (MCC, INC.) AND THE CITY OF ALBUQUERQUE, WHICH PERFORMED ON-SITE INSPECTION DURING CONSTRUCTION AND CONSTRUCTION SURVEYS.

Greiner, Inc.CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUPTITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III B
TIERRA BATITA DRAINAGE FACILITIES

42" STORM DRAIN - STA. 10+00 TO STA. 12+31

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman	<i>B.G. Buley</i>	11-08-93	Water	<i>William Balch</i>	10-29-93
Transportation	<i>R. L. ...</i>	11-01-93	Waste Water	<i>William Balch</i>	10-29-93
Hydrology	<i>R. L. ...</i>	11-1-93			

DRAWING NO. 4076.91

MAP NO. K-10

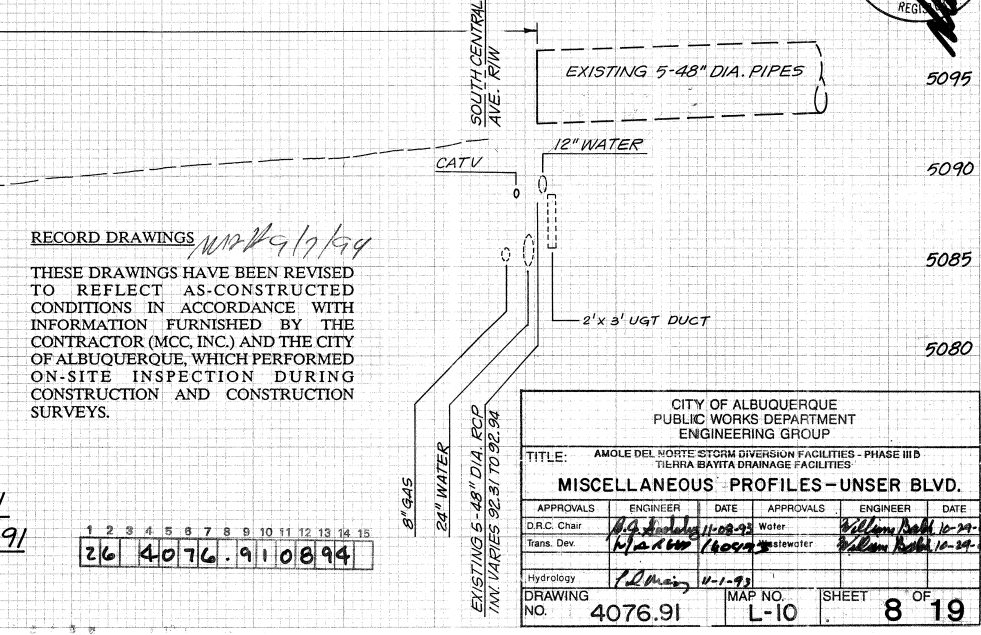
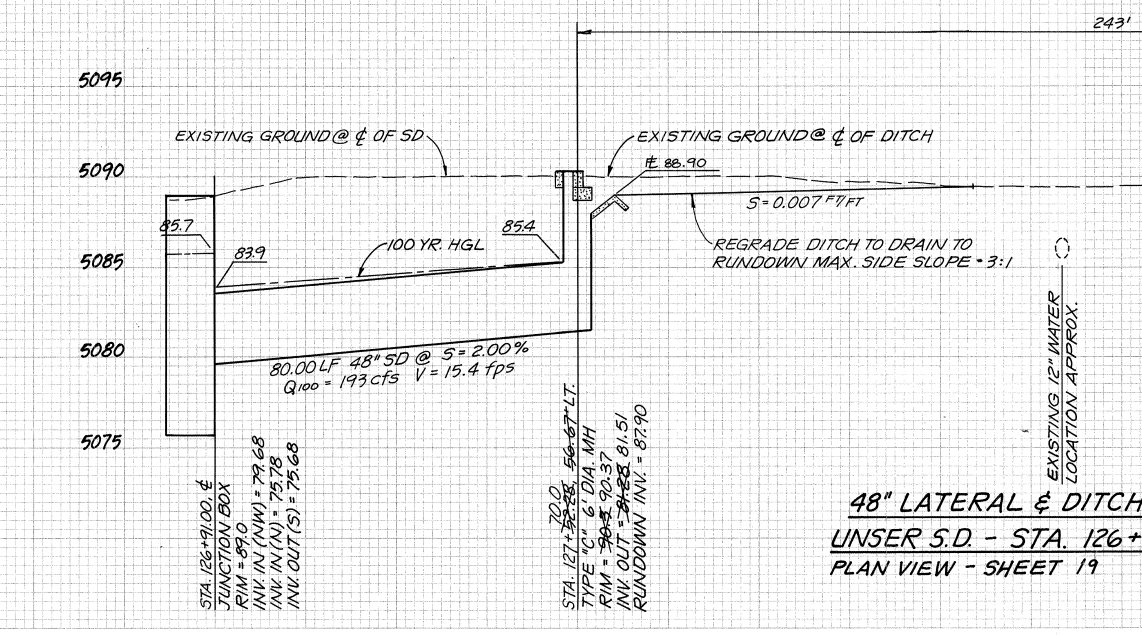
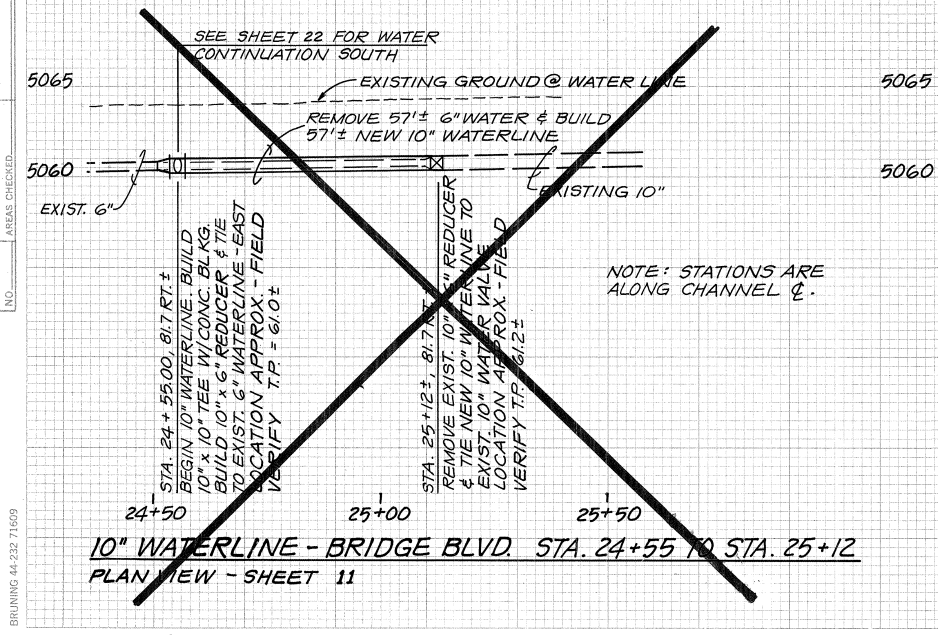
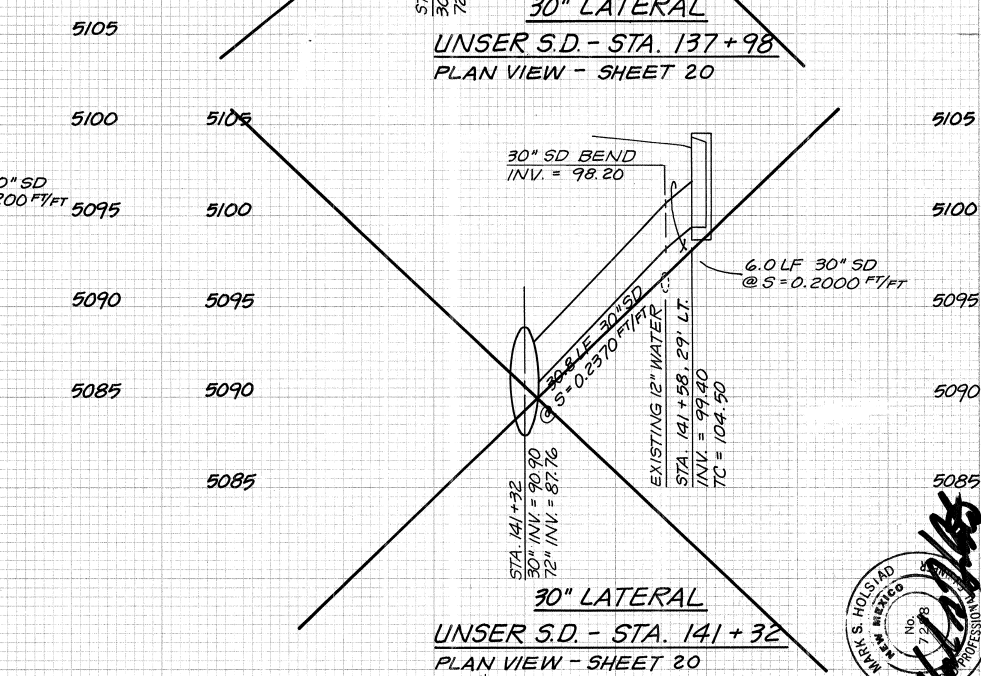
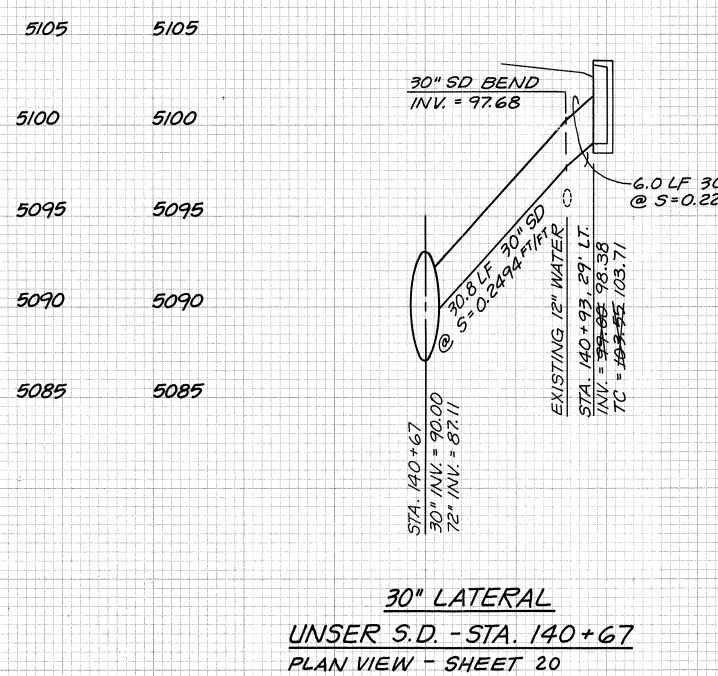
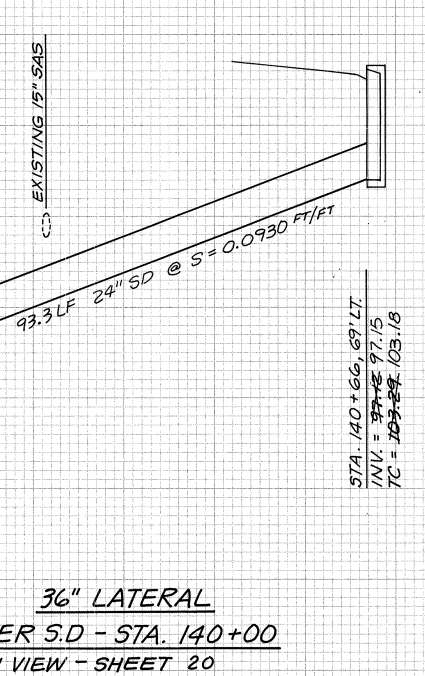
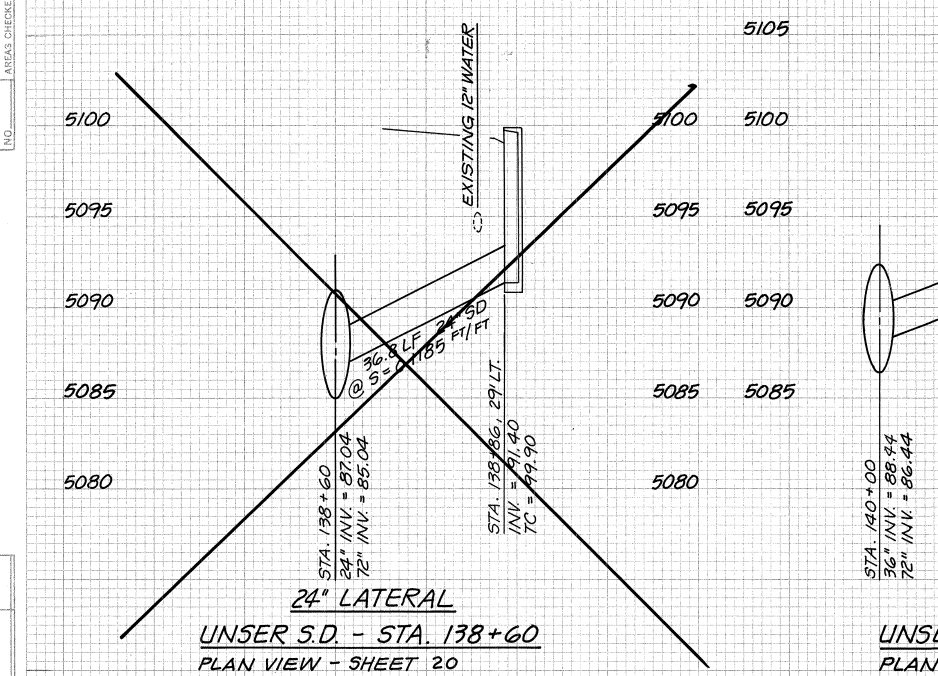
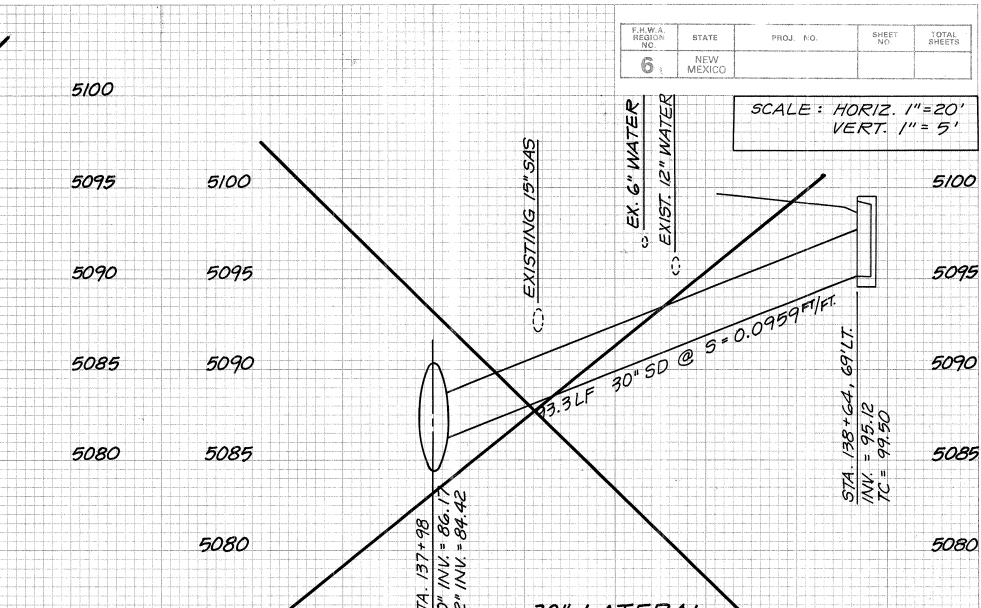
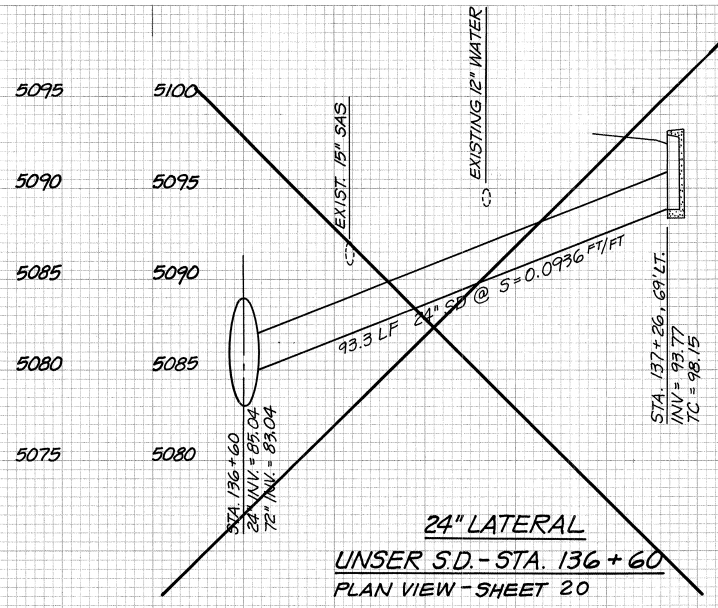
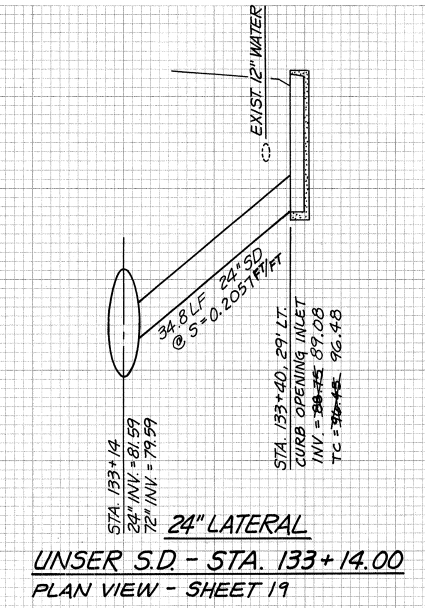
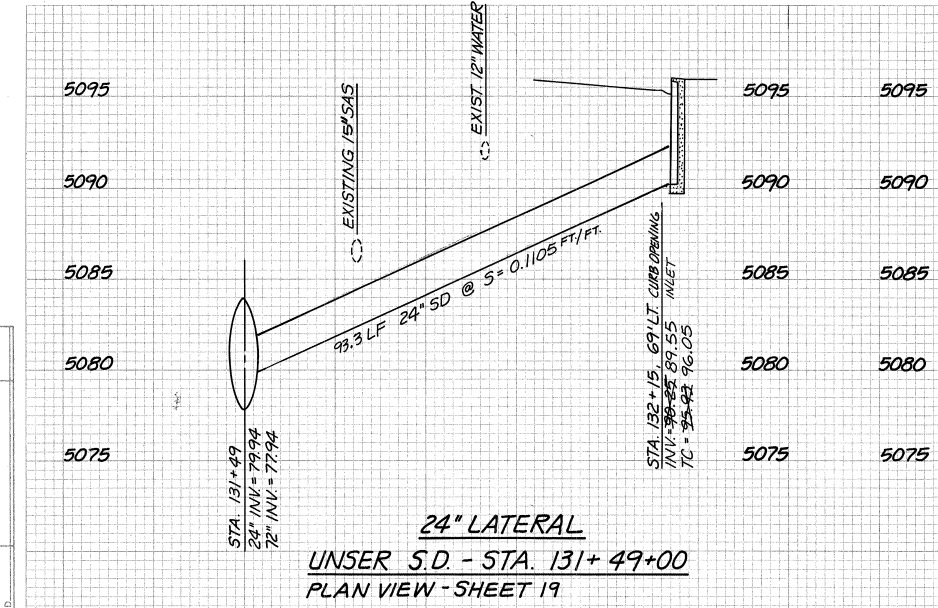
SHEET 7 OF 19

SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
NO.	BY	DATE	ACS 10-L-9	ALUMINUM CAP SET IN CONCRETE CURB ON THE NORTHEASTLY TURN ISLAND IN THE INTERSECTION OF 98TH STREET AND CENTRAL AVENUE.	DATE	CONTRACTOR	MCC, INC.	DATE
1880	GREINER	6-7/90				WORKED BY	COA	1/994
1883	GREINER	7/89/90				INSPECTOR'S ACCEPTANCE BY COA		DATE 7/94
1886	GREINER	12/90				VERIFICATION BY COA		DATE 7/94
1883	GREINER	12/90				CONTRACTOR'S VERIFICATION BY GREINER		DATE 7/94
1893	GREINER	1/91				MICRO-FILM INFORMATION		DATE
1910	GREINER	9-10/91				RECORDED BY		DATE

DESIGNED BY: JC/SKJ DATE 9/93
DRAWN BY: BJB/JLR DATE 9/93
CHECKED BY: MSH DATE 9/93
PROJECT NO.

FINAL	DATE
SURVEY	BY
PLOTTED	DATE
TEMPLATE	BY
NOTE BOOK	DATE
AREAS CHECKED	BY

ORIGINAL	DATE
SURVEY	BY
PLOTTED	DATE
TEMPLATE	BY
NOTE BOOK	DATE
AREAS CHECKED	BY

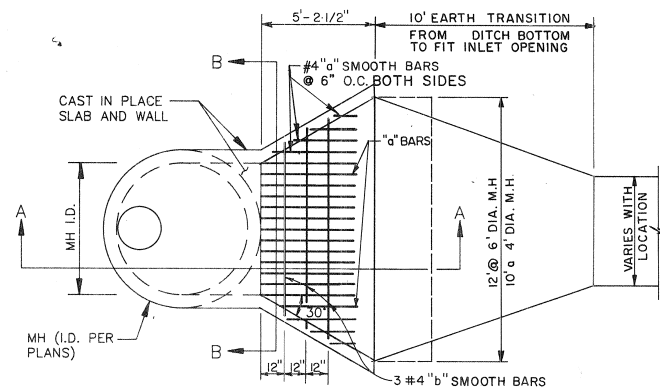


F.H.W.A. REGION NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
6	NEW MEXICO			

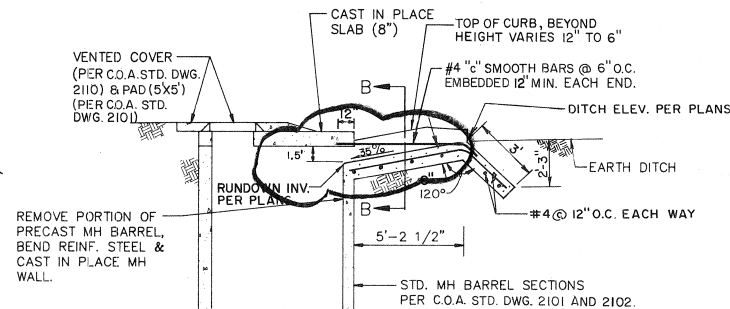
SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'

RECORD DRAWINGS
THESE DRAWINGS HAVE BEEN REVISED TO REFLECT AS-CONSTRUCTED CONDITIONS IN ACCORDANCE WITH INFORMATION FURNISHED BY THE CONTRACTOR (MCC, INC.) AND THE CITY OF ALBUQUERQUE, WHICH PERFORMED ON-SITE INSPECTION DURING CONSTRUCTION AND CONSTRUCTION SURVEYS.

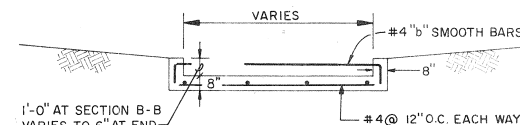
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: AMOLE DEL NORTE STORM DRAINAGE FACILITIES - PHASE III TIERRA BATTA DRAINAGE FACILITIES					
MISCELLANEOUS - PROFILES - UNSER BLVD.					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	1/1/19	1/1/19	Water	1/1/19	1/1/19
Trans. Dev.	1/1/19	1/1/19	Water	1/1/19	1/1/19
Hydrology	1/1/19	1/1/19	Water	1/1/19	1/1/19
DRAWING NO.	4076.91	MAP NO.	L-10	SHEET	8 OF 19



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

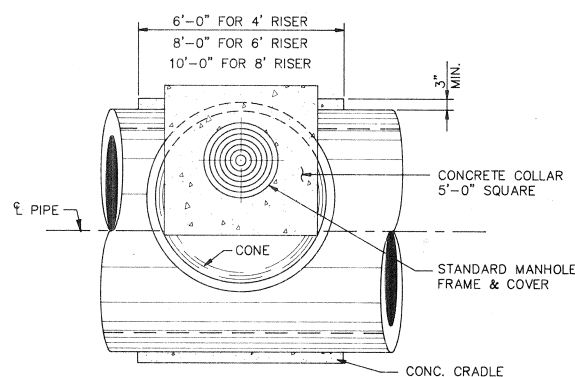
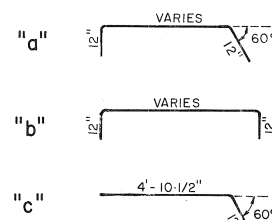


SECTION A-A
NOT TO SCALE

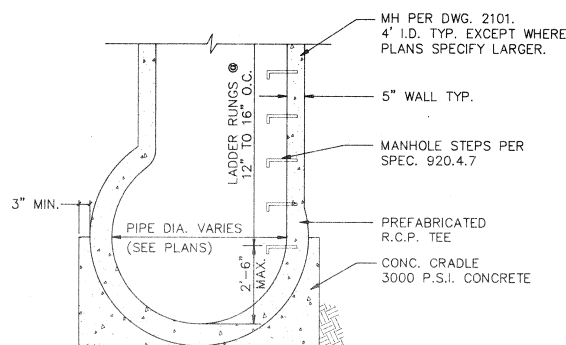


SECTION B-B
NOT TO SCALE

- 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.

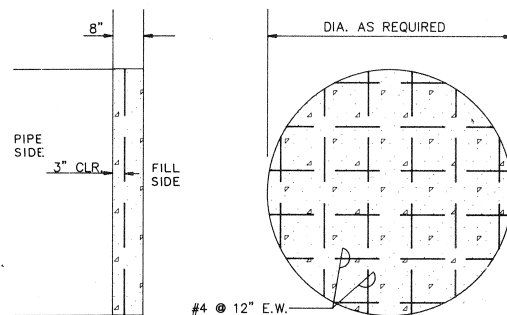


PLAN

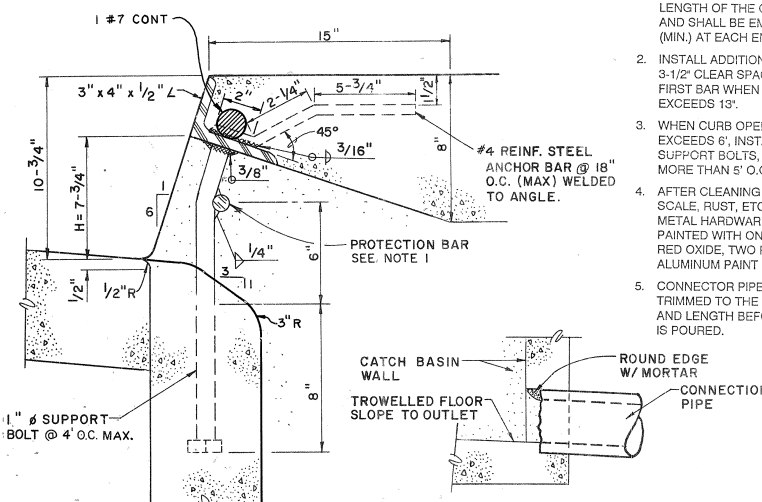


TYPE "A" MANHOLE
NOT TO SCALE

NOTE: MANUFACTURER'S DETAILS TO BE APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.

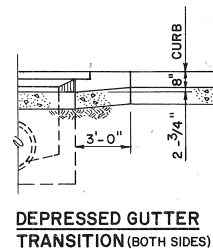


PIPE PLUG DETAIL
SCALE: 1/2" = 1'

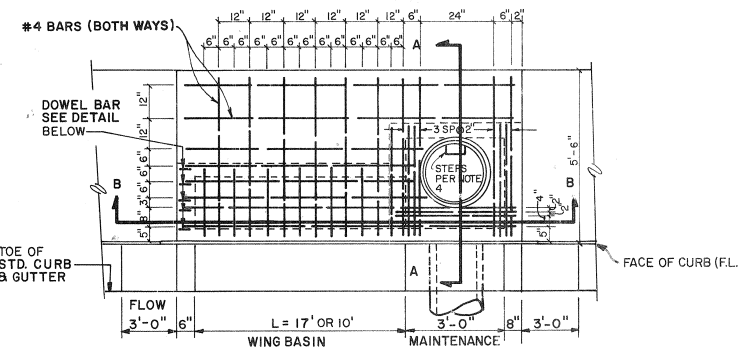


INLET CURB OPENING
DETAIL A

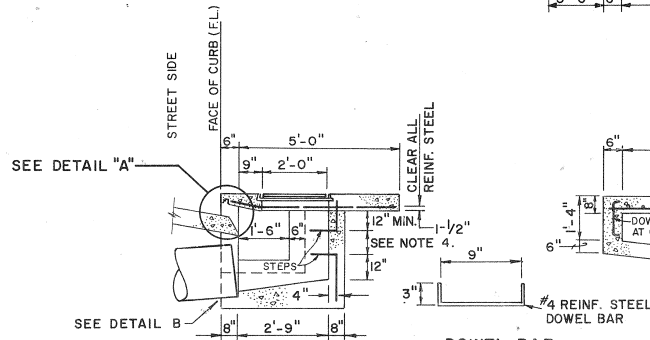
PIPE ENTRY DETAIL
DETAIL B



DEPRESSED GUTTER TRANSITION (BOTH SIDES)

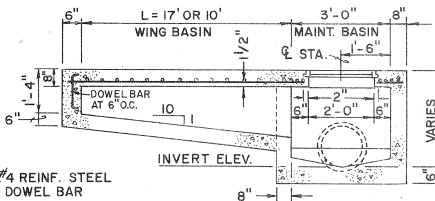


PLAN VIEW



SECTION A-A

DOWEL BAR DETAIL



SECTION B-B

- NOTES**
1. DOUBLE WING BASINS SHALL HAVE ONE WING PLACED SYMMETRICALLY 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 R1706-1S.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
26	40	76	91	109	99	99								

CURB OPENING INLET DETAIL, SINGLE & DBL WING
NOT TO SCALE

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT AS-CONSTRUCTED CONDITIONS IN ACCORDANCE WITH INFORMATION FURNISHED BY THE CONTRACTOR (MCC, INC.) AND THE CITY OF ALBUQUERQUE, WHICH PERFORMED ON-SITE INSPECTION DURING CONSTRUCTION AND CONSTRUCTION SURVEYS.

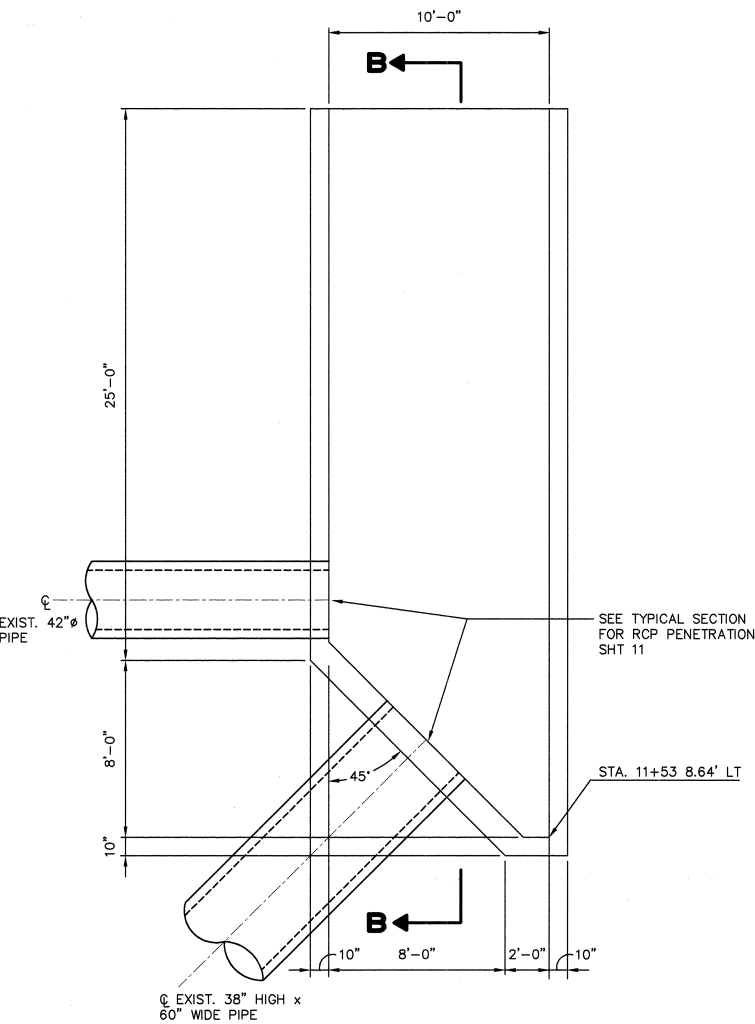
Greiner, Inc.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES-PHASE 1B TERRA BATTA DRAINAGE FACILITIES					
MISCELLANEOUS STORM DRAIN DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chairman	8/9/91	11-08-93	Water	N.A. M.D.B.	10-29-93
Transportation	N.A. M.D.B.	11-04-93	Wastewater	N.A. M.D.B.	10-29-93
Hydrology	12/01/93	11-1-93			
DRAWING NO. 4076.91					
SHEET 9 OF 19					

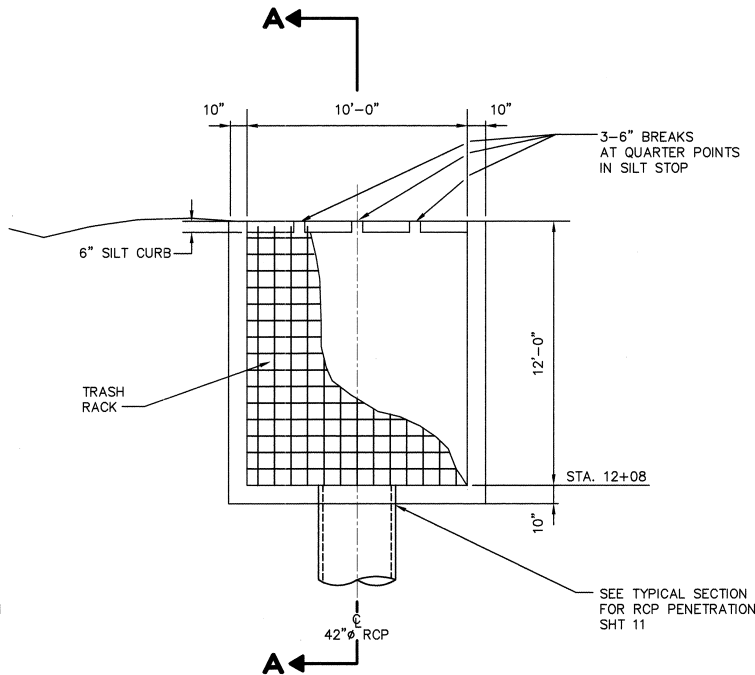
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	WORK	DATE	NO.	BY	DATE	DATE
MCC, INC.	1994	STARTED BY COA	1994	1680	GREINER	6/7/90	
		ACCEPTANCE BY COA	1994	1883	GREINER	7/31/90	
		FIELD CORRECTION BY COA	1994	1886	GREINER	12/90	
		DRAWINGS CORRECTED BY GREINER	1994	1893	GREINER	12/90	
		MICRO-FILM INFORMATION		1910	GREINER	1/91	
		RECORDED BY				8-10/91	

PLOTTED
DPI 9000
CADD

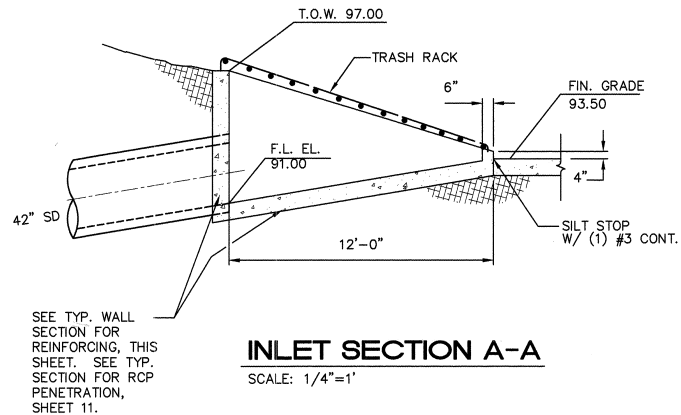
6101002



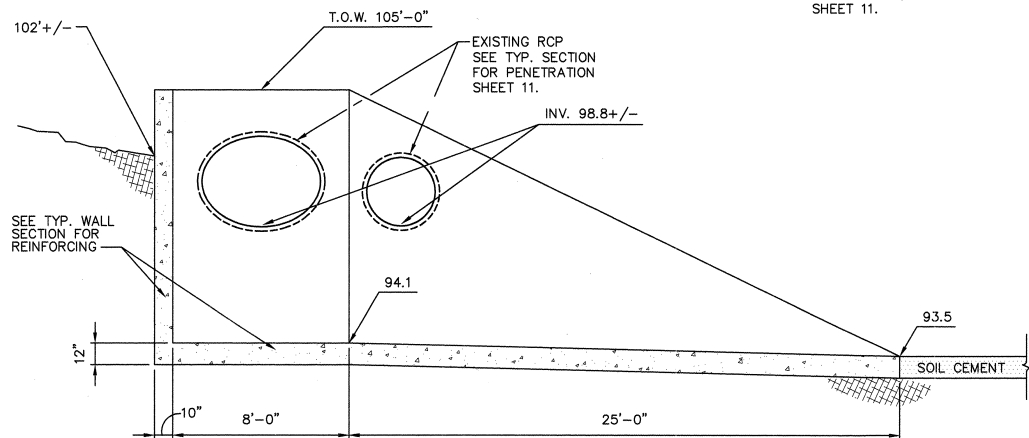
POND INLET PLAN
SCALE: 1/4"=1'



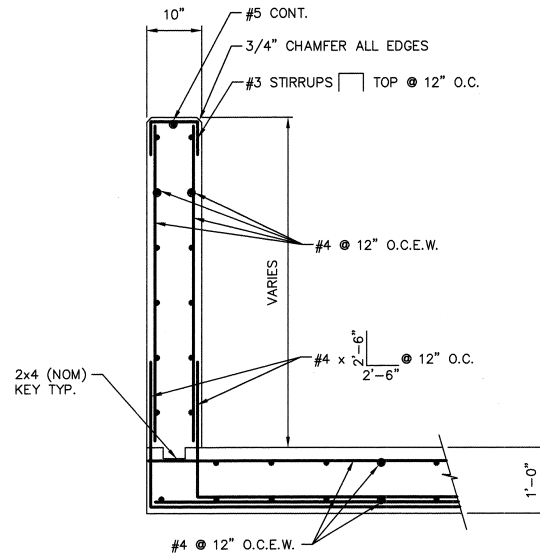
POND OUTLET PLAN
SCALE: 1/4"=1'



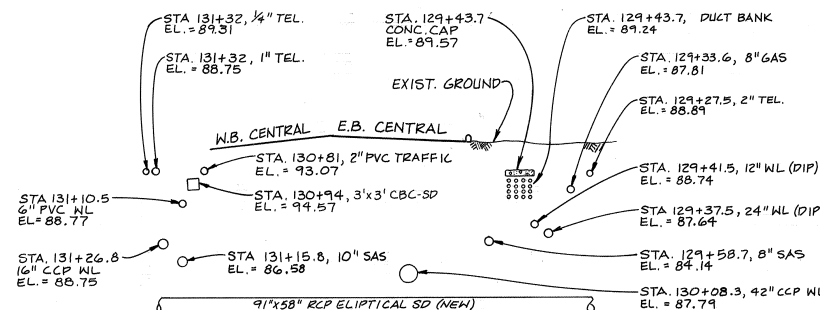
INLET SECTION A-A
SCALE: 1/4"=1'



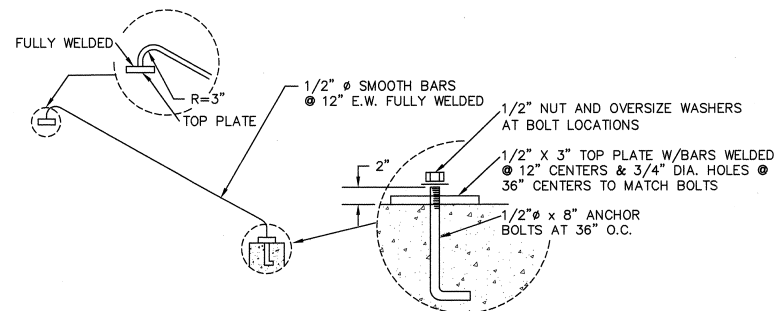
SECTION B-B THRU OUTLET
SCALE: 1/4"=1'



TYPICAL WALL SECTION
SCALE: 3/4"=1'-0"



EXISTING UTILITIES AT CENTRAL & UNSER
NOT TO SCALE



TRASH RACK DETAIL
SCALE: 1/4"=1'

NOTES:
1. PAINT TRASH RACK DARK BROWN.

RECORD DRAWINGS
THESE DRAWINGS HAVE BEEN REVISED TO REFLECT AS-CONSTRUCTED CONDITIONS IN ACCORDANCE WITH INFORMATION FURNISHED BY THE CONTRACTOR (MCC, INC.) AND THE CITY OF ALBUQUERQUE, WHICH PERFORMED ON-SITE INSPECTION DURING CONSTRUCTION AND CONSTRUCTION SURVEYS.

Greiner, Inc.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

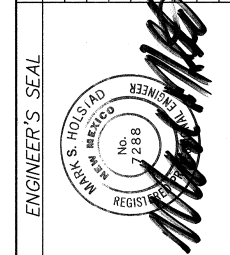
TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE III B
TIERRA BATTA DRAINAGE FACILITIES

EXIST. UTILITIES & POND STRUCTURE DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chairman	<i>B. B. B. B.</i>	11-08-93	Water	<i>N.A. B. B.</i>	10-29-93
Transportation	<i>N.A. B. B.</i>	11-09-93	Waste Water	<i>N.A. B. B.</i>	10-29-93
Hydrology	<i>J. B. B.</i>	11-1-93			

DRAWING NO. 4076.91 MAP NO. K-10 SHEET 10 OF 19

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	BY	DATE	CONTRACTOR	DATE
1880	6-7/90	GREINER	6-7/90	CONTRACTOR MCC, INC.	1994
1883	7-6/90	GREINER	7-6/90	INSPECTOR'S COA	1994
1886	12/90	GREINER	12/90	FIELD OFFICE BY COA	1994
1893	12/90	GREINER	12/90	FIELD OFFICE BY COA	1994
1893	1/91	GREINER	1/91	FIELD OFFICE BY COA	1994
1910	9-10/91	GREINER	9-10/91	FIELD OFFICE BY COA	1994



NO.	DATE	BY	REMARKS
Greiner J.N. G000110	DESIGN		
DESIGNED BY: JC	DATE 9-93		
DRAWN BY: JAK	DATE 9-93		
CHECKED BY: JSH	DATE 9-93		

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: AMOLE DEL NORTE STORM DIVERSION FACILITIES - PHASE IIIB TIERRA BAYITA DRAINAGE FACILITIES					
JUNCTION BOX DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>B.G. Goodley</i>	<i>11-08-93</i>	Water	<i>N.A. MJB</i>	<i>12-29-93</i>
Trans. Dev.	<i>N.A. CHD</i>	<i>11-09-93</i>	Wastewater	<i>N.A. MJB</i>	<i>12-29-93</i>
Hydrology	<i>P. Miller</i>	<i>11-1-93</i>			
DRAWING NO.	4076.91		MAP NO.		K.L.-10
			SHEET		11 OF 19