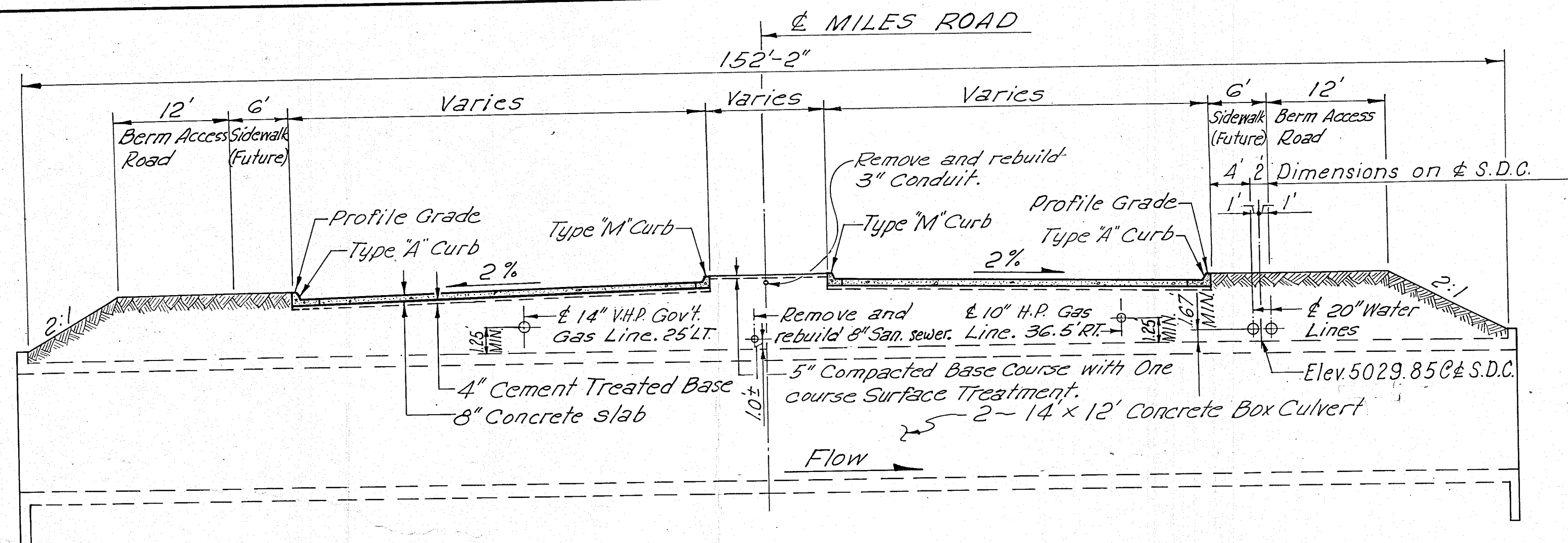




TYPICAL ROADWAY SECTION

TYPICAL ROADWAY SECTION NOTES

SUBGRADE: The natural ground or compacted fill upon which roadway is to be built shall be scarified and finely broken up to a minimum 6" depth. The loose material shall then be consolidated by watering and rolling.

CEMENT TREATED BASE: The 4" Cement Treated Base (Class "B") shall be placed in accordance with the Specifications, and watered and rolled to secure compaction. The entire surface of Cement Treated Base shall be cured with water.

CONCRETE PAVEMENT: Concrete pavement to be poured true to grades and cross-sections as shown on the plans, and in accordance with Section 58 of the Specifications. Concrete shall be air entrained. Type III Portland cement shall be used in concrete pavement.

JOINTS: Pavement joints shall be spaced as shown on the plans, see Sheet No 10-2.

MEDIAN TREATMENT: Median Treatment to consist of 5" compacted gravel Base Course and (1) Course Surface Treatment, including cover material, as per Section 50 of the Specifications. Prime coat of MC-70 or SS0-1 Asphalt Material to be applied prior to placing of One Course Surface Treatment. Asphalt Material 120-150, to be used in One Course Surface Treatment. Placing and rolling of One Course Surface Treatment shall be in accordance with Section 50 of the Specifications.

If samples lifted from the finished subgrade indicate that more or less support is necessary, surfacing shall be increased or decreased in accordance with written recommendations from the Engineer. If the Contractor so elects, he may secure all surfacing aggregates for this project from commercial or other sources when samples are tested and approved by the Materials and Testing Laboratory.

GENERAL NOTES

- All materials and workmanship shall conform to New Mexico State Highway Interim Specifications dated April 1963 and to applicable supplemental Specifications.
- For estimating purposes only, Earthwork Quantities are based on a shrinkage factor of 25% in structure and roadway backfill.
- Utility adjustments will be made by owners as noted on Sheet No 10-5.
- Fifty (50) Ton Roller operation should be deleted where underground utilities are involved to avoid any possible damage to such utilities.

DRAWINGS REQUIRED

ROADWAY

- Typ. Roadway Section and Misc. Const. Items.
- Pavement, Curb and Manhole Details
- Cross-Sections.
- Cross-Sections and Earthwork Summary.

STRUCTURE

- General Construction and Structure Location Plan.
- Concrete Box Culvert Barrels.
- Wingwall Details for Concrete Box Culvert

SUPPLEMENTAL CONSTRUCTION

- Double "C" and Single "C" Drop Inlet Details.

ITEM 12~ REMOVAL OF OBSTRUCTIONS

STATION TO STATION	LOCATION	DESCRIPTION	QUANTITY
1+53.6 2+63.1	Miles Rd.	Remove N.M.S.H.D. Type "A" curb	219 L.F.
1+53.6 2+53.3	"	Remove N.M.S.H.D. Type "M" curb	215 L.F.
1+53.6 2+63.1	"	Remove 8" Concrete Pavement	1,013 S.Y.

ITEM 25~ REMOVING AND REBUILDING FENCE

OPP. STA. TO	OPP. STA.	LOCATION	UNIT	QUANTITY
1+02	2+93	6' Back of S. Curb	L.F.	219'

ITEM 90a~ REMOVING AND RESETTNG SIGNS

LOCATION	DESCRIPTION	UNIT	QUANTITY
47' RT. STA. 2+33	"No Parking Anytime"	L.S.	Lump Sum
48' LT. STA. 2+28	"No Parking Anytime"	L.S.	Lump Sum

ESTIMATED QUANTITIES

No	ITEM	UNIT	QUANTITY
12	Removal of Obstructions	L.S.	Lump Sum
14	Roadway and Drainage Excavation	C.Y.	9,150
17	Subgrade Preparation	S.Y.	1,236
20	Grading	Mile	0.1
25	Removing and Rebuilding Fence	L.F.	219
38a	Base Course 5"	S.Y.	123
39a	Cement Treated Base ~ Class "B" ~ 4" Depth	S.Y.	1,113
45	Asphalt Prime Coat ~ Type MC-70 or SS0-1	S.Y.	123
50a	One Course Surface Treatment	S.Y.	123
55b	Class III Concrete Pipe - 18" Diameter	L.F.	40
55e	8" Vitrified Clay Sewer Pipe	L.F.	170
58a	8" Portland Cement Concrete Pavement	S.Y.	1,013
58b	4" Concrete Median Pavement	S.Y.	2
59b	Concrete Curb and Gutter~N.M.S.H.D. Type "A"	L.F.	192
59d	Concrete Median Curb and Gutter~N.M.S.H.D. Type "M"	L.F.	215
62	Steel Reinforcement	Lb.	99,370
68d	Class "A" Concrete	C.Y.	726.90
90a	Removing and Resetting Signs (Comp.)	L.S.	Lump Sum
98	Double "C" Inlets (Comp.)	Ea.	2
99	Manholes ~ 4' DIA. Type "D" (Comp.)	Ea.	1

ITEM	EST. COMP. PER HR.	*ROLLING				ASPHALT MATERIAL		COVER MATERIAL	EST. WT. TONS/CU.YD.	HYDRATED LIME	PORTLAND CEMENT
		PNEU. TIRED ROLLER	STEEL TIRED ROLLER	TAMPING ROLLER	50 TON ROLLER	*WATER REQ'D	MC-70 OR SS0-1				
SUBGRADE	150 CU.YD. PER HR.	20%		40%	40%	40 GAL. PER CU.YD.					
BASE COURSE	150 TONS PER HR.	40%	20%		40%	40 GAL. PER TON			1.95		
PRIME COAT							0.40 GAL. PER SQ. YD.				
CEMENT TREATED BASE (Class "B")						25 GAL. PER TON			1.95		3%
ONE COURSE SURFACE TREATMENT								0.30 GAL. PER SQ. YD.	25 Lbs. PER SQ. YD.	2%	

*For information of contractor only.

08 005 0168

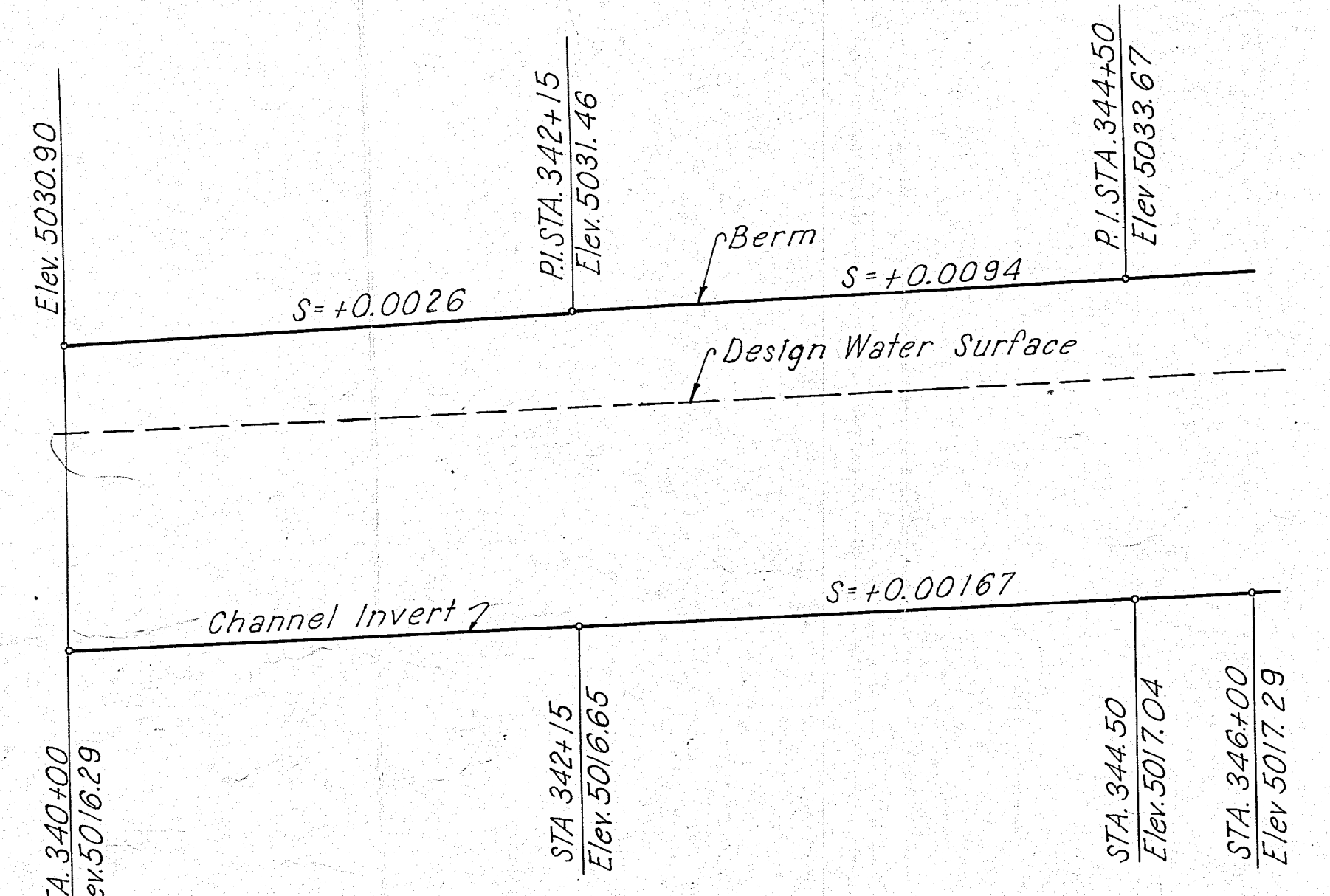
ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

SOUTH DIVERSION CHANNEL MILES ROAD STRUCTURE

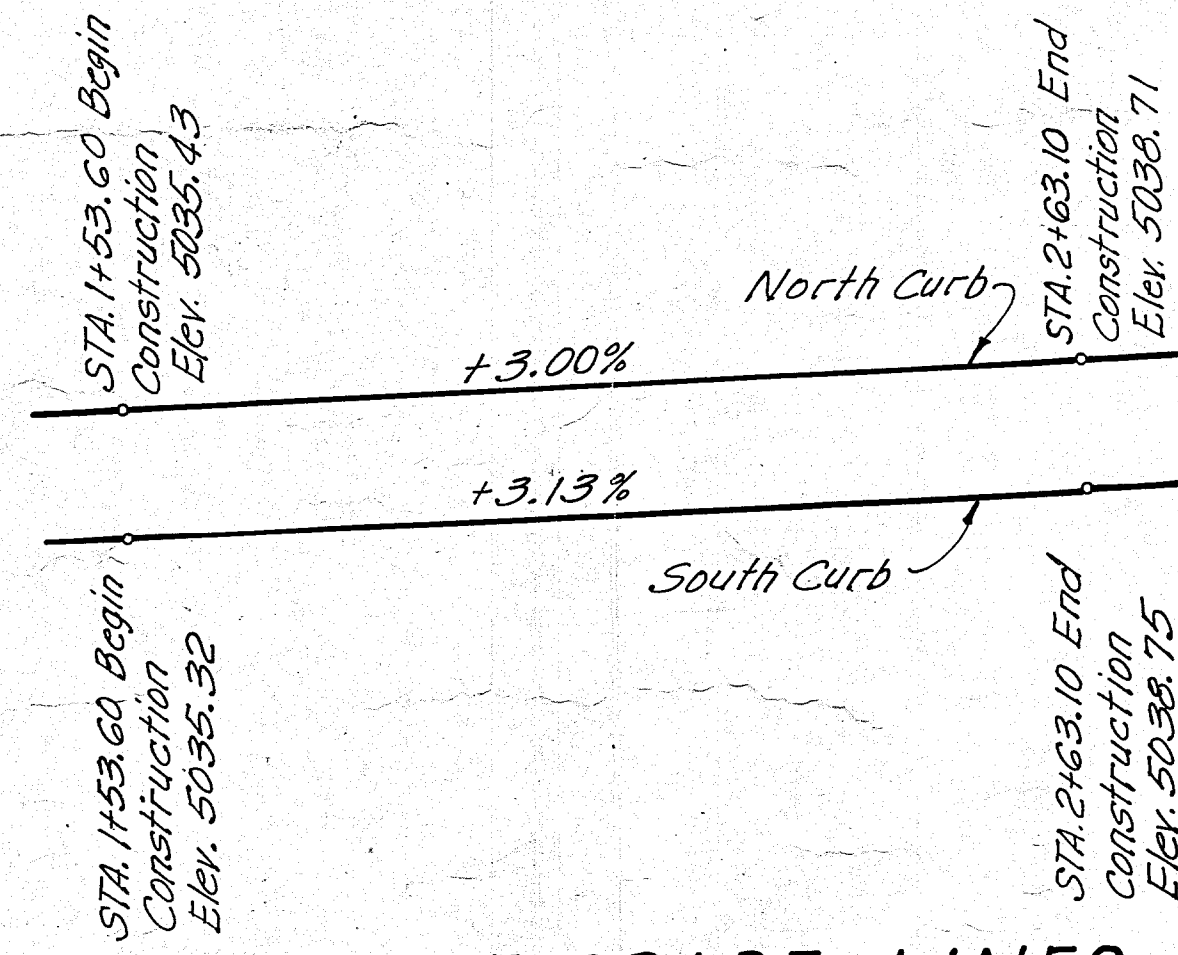
TYP ROADWAY SECTION AND MISC. CONST. ITEMS

GORDON HERKENHOFF & ASSOCIATES, INC. CONSULTING ENGINEERS NEW MEXICO

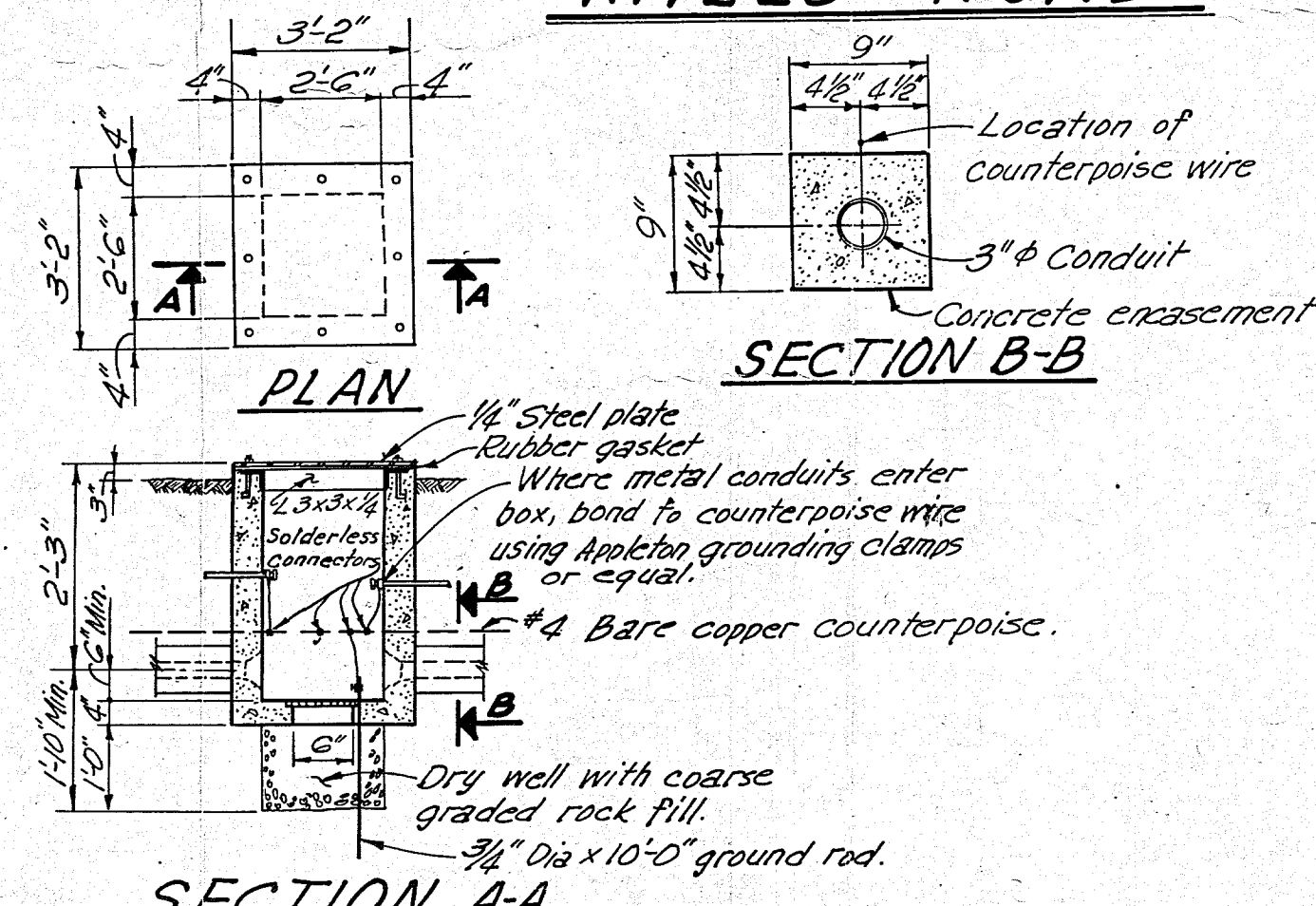
SCALE DATE DRAWN: R.D.M. SHEET 10-1 CHECKED: L.M.R. OF



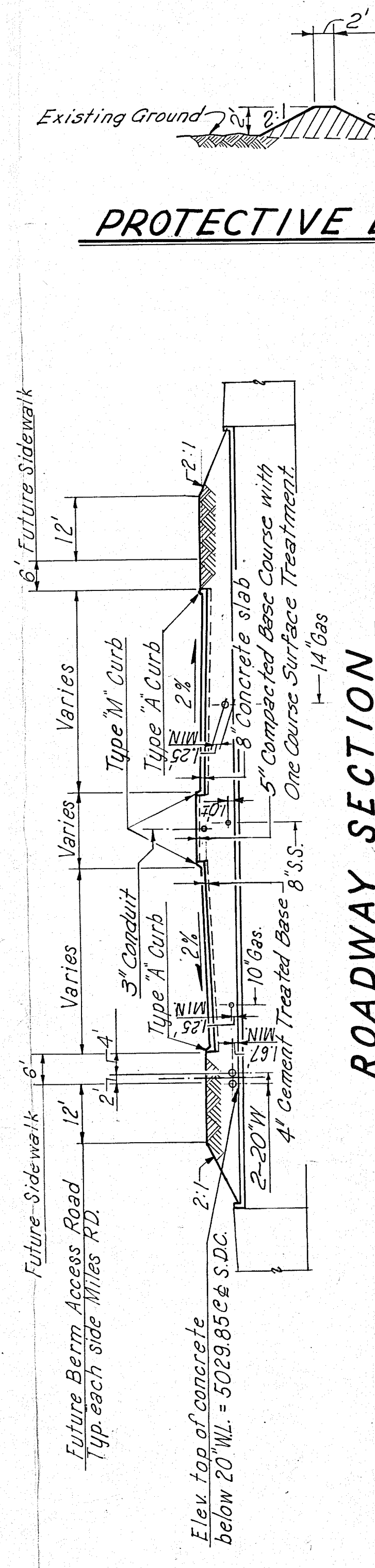
**PROFILE GRADE LINES
SOUTH DIVERSION CHANNEL**



**PROFILE GRADE LINES
MILES ROAD**

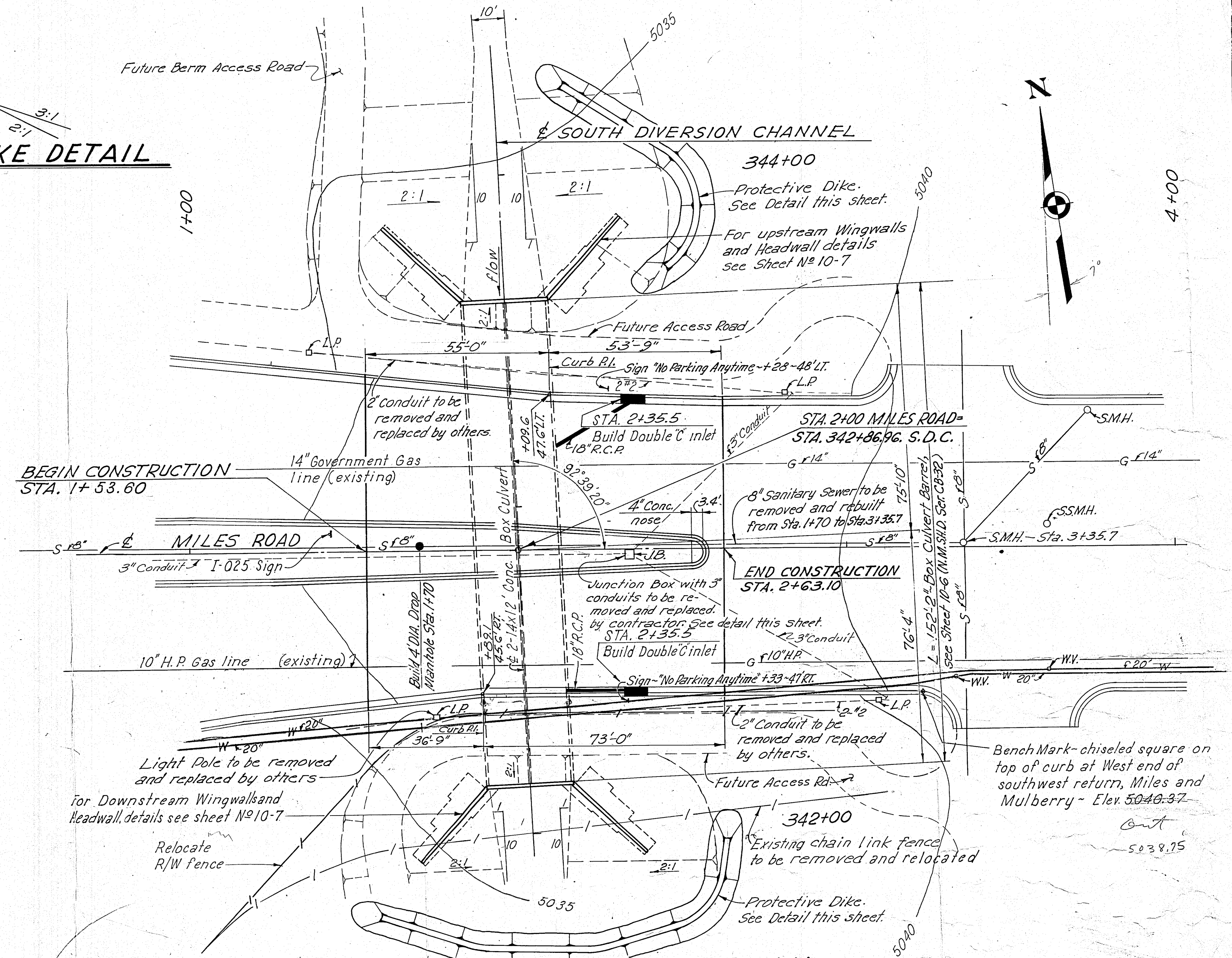


**SECTION A-A
JUNCTION BOX DETAIL**

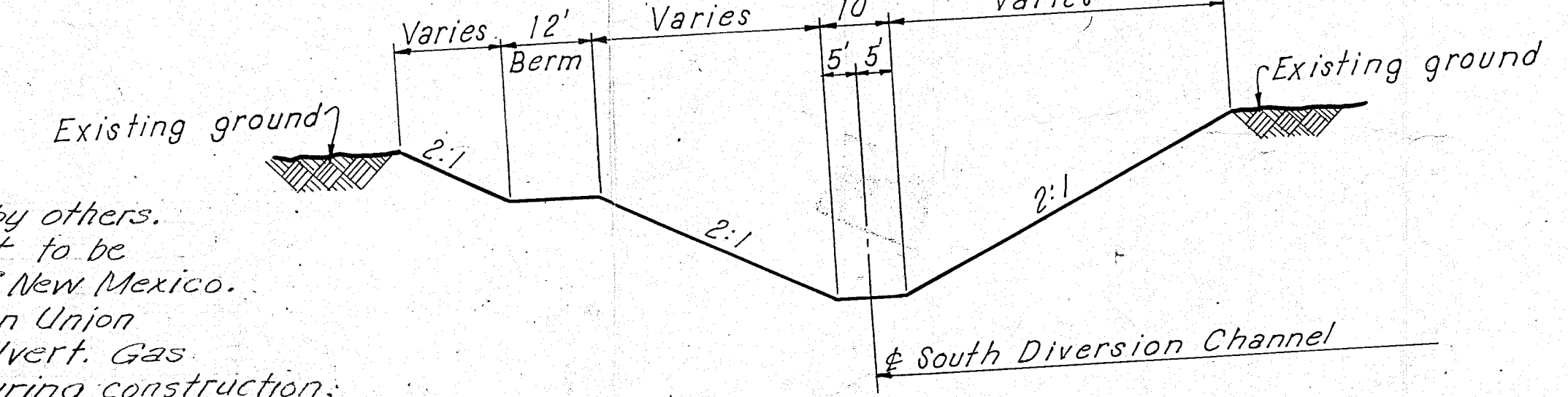


ROADWAY SECTION

- NOTES:**
- Channel and Berm Access Roads to be built by others.
 - Light pole and 2" concrete encased conduit to be removed and replaced by Public Service Co. of New Mexico.
 - 10" and 14" gas lines to be raised by Southern Union Gas Co., if required, to clear concrete box culvert. Gas lines to be supported by the contractor during construction, using support system designated by the Gas Company.
 - 3" concrete encased conduit and junction box to be removed and replaced by the contractor. Cost to be included in the unit price bid for 8" concrete pavement.
 - 2" water lines to be supported and kept in service during construction by the contractor.
 - 8" Sanitary sewer to be removed and rebuilt by the contractor. Sewer to be kept in operation during construction. Cost of removing and rebuilding sewer to be included in item N° 55d, 8" Vitrifed Clay Sewer Pipe.



STRUCTURE LOCATION PLAN



NORMAL CHANNEL SECTION

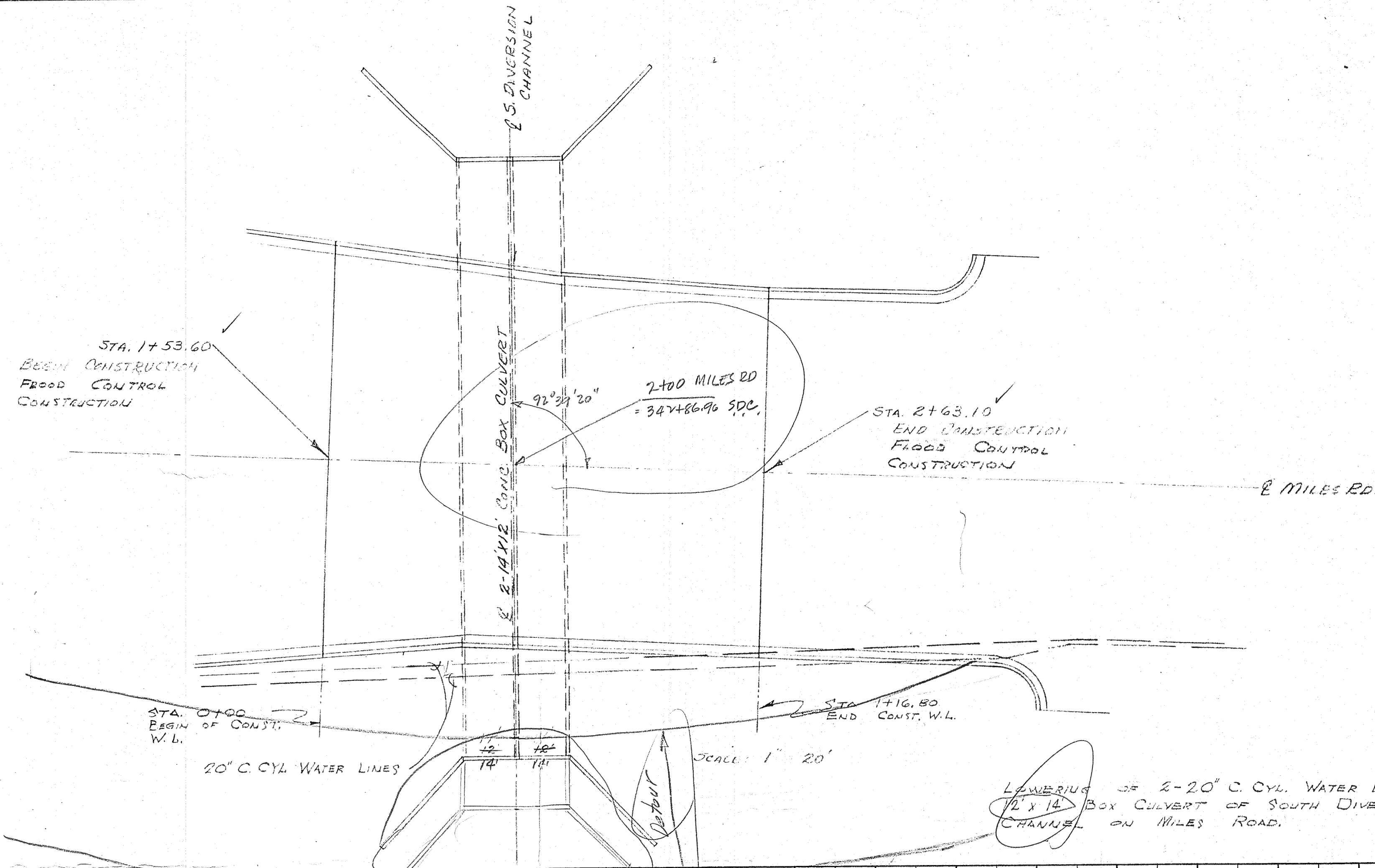
ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY			
SOUTH DIVERSION CHANNEL MILES ROAD STRUCTURE			
GENERAL CONSTRUCTION AND STRUCTURE LOCATION PLAN			
STA. 342+86.96			
GORDON HERKENHOFF & ASSOCIATES, INC. CONSULTING ENGINEERS			
NEW MEXICO			
SCALE AS SHOWN	DATE	DRAWN: R.D.M.	SHEET 10-5
		CHECKED: L.M.P.	OF

43

CITY OF ALBUQUERQUE
THIS MICROMAGE IS THE BEST
POSSIBLE REPRODUCTION DUE
TO THE POOR QUALITY OF THE
ORIGINAL DOCUMENT

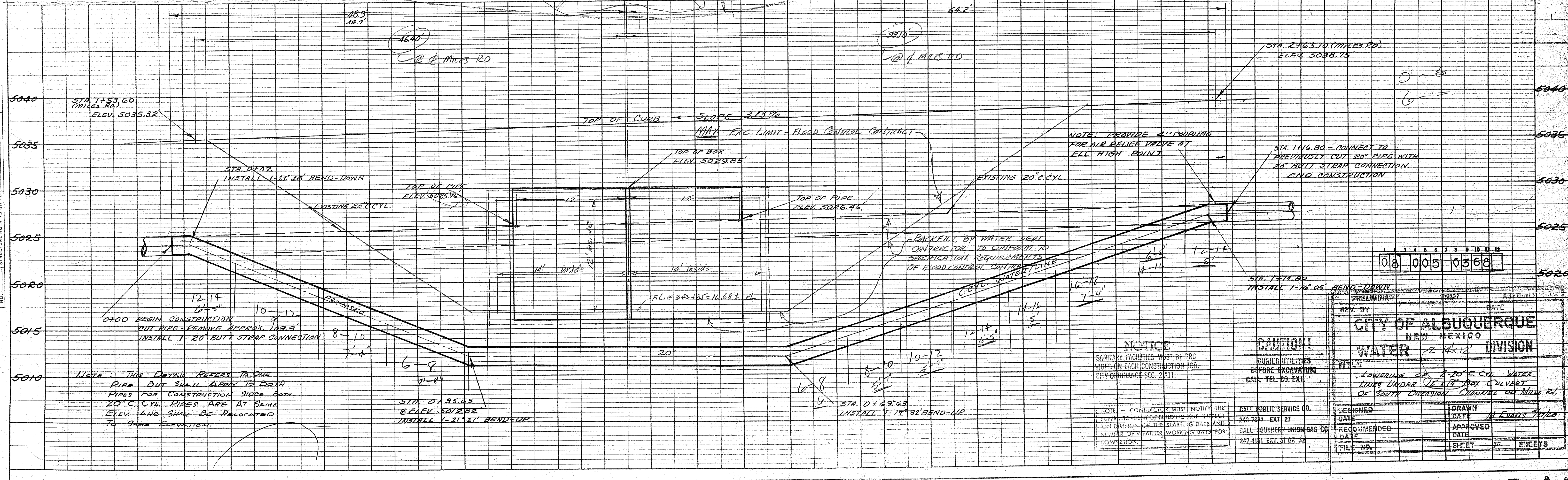
PLAN	DATE	BY	REVISION
NO.			

PROFILE	DATE	BY	REVISION
NO.			



NOTE:
WATER DIVISION CONTRACTOR TO ESCAVATE THE
TWO EXISTING 20" C.Y.L. PIPES AFTER FLOOD
CONTROL AUTHORITY BARRICADES TRAFFIC AND
REMOVES EXISTING PAVING, CURB & GUTTER TO THEIR
LIMIT OF CONST. PIPE TO BE SHUT DOWN BY
CITY FORCES & WATER CONTRACTOR TO CUT
EXISTING PIPES WHERE SHOWN & REMOVE.
DELIVER ALL PIPES BETWEEN CUTS TO AMERICAN
PIPE CO. TO HAVE IT RESHAPED TO FIT THE DESIGN
SHOWN. THE FLOOD CONTROL CONTRACTOR WILL FINISH
EXCAVATION FOR 2-12" X 14" BOX TO FL. WATER
DIVISION CONTRACTOR WILL REINSTALL AT NEW
DEPTH ONE WEEK AFTER REMOVAL.
See AMAFCA SPEC B.11.1. "The detour shall be
open to traffic during construction of the north
portion of the box culvert, utility work and
paving. Miles Road shall be opened to traffic
during construction of remainder the works."

SCALE: HORIZ & VERT 1"=5'
(PROFILE ONLY) 5-27-66 M.C.E.



NOTICE
SANITARY FACILITIES MUST BE PROVIDED
ON EACH CONSTRUCTION JOB.
CITY ORDINANCE SEC. 2-111.

CAUTION!
BURIED UTILITIES
BEFORE EXCAVATING
CALL TEL. CO. EXT.

CITY OF ALBUQUERQUE NEW MEXICO			
WATER DIVISION			
LOWERING OF 2-20" C.Y.L. WATER LINES UNDER 12' X 14' BOX CULVERT OF SOUTH DIVERSION CHANNEL ON MILES RD.			
DESIGNED	DATE	DRAWN	DATE
RECOMMENDED	DATE	APPROVED	DATE
FILE NO.		SHEET	SHEETS

EA