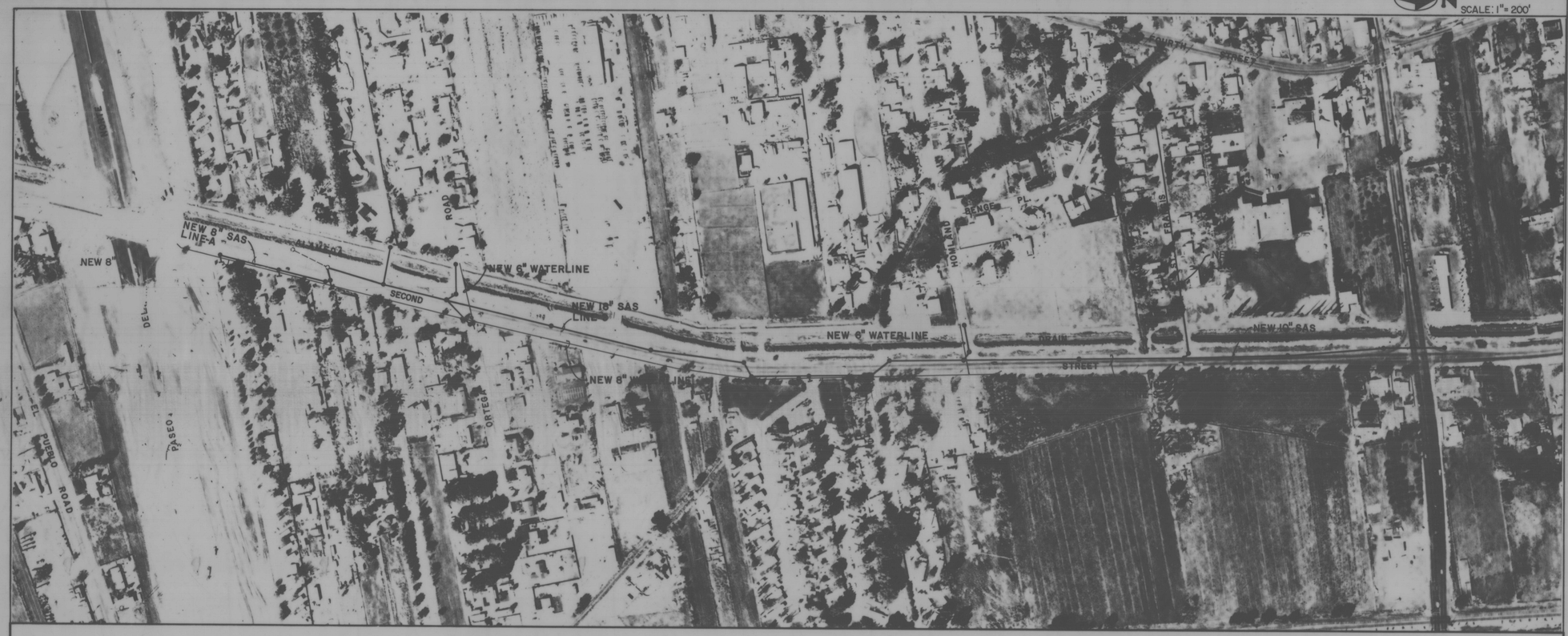


SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY ESTIMATE	QUANTITY FINAL
207001	SUBGRADE PREPARATION	S.Y.	3906	
304016	BASE COURSE - 6"	S.Y.	3906	
401234	PLANT MIX BITUMINOUS PAVEMENT TYPE II GRADE B - 2 1/2"	S.Y.	3472	
GG0002	TRENCH AND BACKFILL, 6'-10' DEPTH	LIN. FT.	367	
GG0003	TRENCH AND BACKFILL, 10'-14' DEPTH	LIN. FT.	1346	
GG0004	TRENCH AND BACKFILL, 14'-18' DEPTH	LIN. FT.	4055	
GG0005	TRENCH AND BACKFILL, OVER 18' DEPTH	LIN. FT.	70	
GG2041	MANHOLE TYPE "E" 4' DIA. 3'-6' DEPTH	EACH	1	
GG2042	MANHOLE TYPE "E" 4' DIA. 6'-10' DEPTH	EACH	1	
GG2043	MANHOLE TYPE "E" 4' DIA. 10'-14' DEPTH	EACH	8	
GG2044	MANHOLE TYPE "E" 4' DIA. 14'-18' DEPTH	EACH	18	
GG2051	MANHOLE TYPE "E" 6' DIA. 14'-18' DEPTH	EACH	1	
GG2076	VERTICAL DROP AT MANHOLE	LIN. FT.	10	
GG2090	TIE TO EXISTING MANHOLE	EACH	2	
GG3101	NEW FIRE HYDRANT	EACH	1	
GG3102	REMOVE & RESET EXISTING FIRE HYDRANT	EACH	2	
GG3103	ADJUST EXISTING FIRE HYDRANT TO GRADE	EACH	2	
GG3220	WATER SERVICE LINE REPLACE & TRANSFER	EACH	27	

ITEM NO.	DESCRIPTION	UNIT	QUANTITY ESTIMATE	QUANTITY FINAL
GG3355	TIE TO EXISTING 6" WATERLINE	EACH	4	
GG3356	TIE TO EXISTING 8" WATERLINE	EACH	1	
GG3415	GATE VALVE - 6"	EACH	2	
GG3417	GATE VALVE - 8"	EACH	2	
GG3456	VALVE BOX W/COVER TYPE "A"	EACH	5	
GG3846	6" WATERLINE	LIN. FT.	410	
GG3848	8" WATERLINE	LIN. FT.	2850	
GG4211	18" CASING BORE & JACK	LIN. FT.	160	
GG4406	SANITARY SEWER LINE - 8"	LIN. FT.	1037	
GG4407	SANITARY SEWER LINE - 10"	LIN. FT.	694	
GG4415	SANITARY SEWER LINE - 15"	LIN. FT.	966	
GG4418	SANITARY SEWER LINE - 18"	LIN. FT.	3086	
GG4444	SANITARY SEWER SERVICE LATERAL - 4"	EACH	58	
GG4505	SANITARY SEWER LINE - 10" D.I.P.	LIN. FT.	215	
GG4465	FORCE MAIN CONNECTION AT M.H. L9-52	L.S.	1	

SANITARY SEWER MANHOLE SCHEDULE

LOCATION	STATION	M.H. NO.	DIA.	DEPTH ESTIMATE	DEPTH FINAL
SECOND ST.	10+43.30	LA-1	4'	11.0	
SECOND ST.	10+72.50	LA-2	4'	10.9	
SECOND ST.	12+46.35	LA-3	4'	8.4	
SECOND ST.	14+99.13	LA-4	4'	5.9	
SECOND ST.	12+02.58	L9-38	4'	16.2	
PR. DRIVE	11+93.50	L9-38A	4'	14.1	
SECOND ST.	14+51.36	L9-39	4'	16.2	
ORTEGA RD.	14+63.34	L9-39A	4'	16.0	
ORTEGA RD.	14+30.80	L9-39B	4'	14.0	
ORTEGA RD.	15+28.91	L9-39C	4'	14.1	
SECOND ST.	18+08.44	L9-40	4'	14.7	
SECOND ST.	21+66.71	L9-41	4'	15.6	
SECOND ST.	24+97.88	L9-42	4'	17.1	
SECOND ST.	25+55.77	L9-43	4'	16.7	
SECOND ST.	27+57.39	L9-44	4'	16.0	
SECOND ST.	29+77.94	L9-45	4'	14.7	
SECOND ST.	30+53.48	L9-46	4'	14.8	
SECOND ST.	33+20.10	L9-47	4'	14.5	
SECOND ST.	33+32.94	L9-47A	4'	14.7	
SECOND ST.	33+12.85	L9-47B	4'	14.2	
SECOND ST.	37+15.26	L9-48	4'	16.1	
SECOND ST.	40+85.65	L9-49	6'	15.5	
SECOND ST.	44+43.94	L9-50	4'	12.9	
SECOND ST.	47+79.62	L9-51	4'	13.0	
SECOND ST.	49+94.23	L9-52	4'	12.4	
ST. FRANCIS	10+10.00	LB-1	4'	15.8	
ST. FRANCIS	12+70.00	LB-2	4'	13.2	
ST. FRANCIS	15+43.36	LB-3	4'	13.0	
ST. FRANCIS	19+68.38	LB-4	4'	13.4	

AS BUILT INFORMATION

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

MICRO-FILM INFORMATION

RECORDED BY | DATE
NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

MARK S. FRIEIRA
NEW MEXICO REGISTERED PROFESSIONAL ENGINEER
9791

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

DESIGNED BY K. KEMPER DATE 1/88
DRAWN BY J. CHAVEZ DATE "
CHECKED BY K. FREIERA DATE "

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
2 6 3 4 7 3 1 1 9 1

RECORD DRAWING
DATE 9-4-91
Glen J. Mitas

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
VICINITY MAP & SUMMARY OF QUANTITIES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	N/A		Liquid Waste	[illegible]	3/24/88
A.C.E. - Design	N/A		Traffic	N/A	
A.C.E. - Hydrology	N/A		Water	[illegible]	3/24/88

DRAWING NO. | MAP NO. C-16 | SHEET 12-1 OF

MOLZEN-CORBIN & Associates

GENERAL NOTES

1 ALL WORK DETAILED ON THESE UTILITY PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION.

2 ALL WORK WHICH IS PERFORMED FOR THE CITY OF ALBUQUERQUE SHALL CONFORM TO THE LATEST REVISION OF ALL ORDINANCES, INCLUDING THE BUILDING CODE. THE REQUIREMENTS OF THESE ORDINANCES ARE MANDATORY, INCLUDING ALL NECESSARY LICENSING. THE FOLLOWING ORDINANCES, ALTHOUGH ONLY A PARTIAL LIST, ARE PARTICULARLY IMPORTANT FOR CONTRACTS WITHIN THE PUBLIC RIGHT-OF-WAY:

REVISED ORDINANCES OF ALBUQUERQUE, NEW MEXICO, 1974

CHAPTER 6 - HEALTH, SAFETY, AND SANITATION

ARTICLE III - REFUSE COLLECTION
ARTICLE XXII - NOISE CONTROL

CHAPTER 8 - WATER, SEWER, AND STREETS

ARTICLE VI - SIDEWALKS
ARTICLE VII - STREET EXCAVATIONS
ARTICLE XVI - WATER WASTE

3 ALL PERMITS REQUIRED FOR CONSTRUCTION AND COMPLETION OF THIS PROJECT WHICH INCLUDE, BUT ARE NOT LIMITED TO, EXCAVATION PERMITS FOR ALL SEWER LINES, WATER LINES, AND WATER SERVICE LINE CONSTRUCTION SHALL BE OBTAINED BY THE CONTRACTOR. NO REIMBURSEMENT TO THE CONTRACTOR WILL BE MADE FOR ANY PERMIT FEES OR COSTS. ALL COSTS AND FEES FOR PERMITS SHALL BE PAID BY THE CONTRACTOR AND SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE WORK.

4 EXCAVATION PERMITS FOR EACH NEW SANITARY SEWER HOUSE SERVICE LATERAL SHALL BE OBTAINED FROM THE CITY, AS SPECIFIED IN THE STREET EXCAVATION ORDINANCE, CHAPTER 8, ARTICLE VII, REVISED ORDINANCE OF ALBUQUERQUE, NEW MEXICO, 1974, BY THE PLUMBING CONTRACTOR DOING THE WORK FOR THE PRIME CONTRACTOR.

5 A TOPSOIL DISTURBANCE PERMIT IS REQUIRED. IT MAY BE OBTAINED BY THE CONTRACTOR FROM THE OFFICES OF THE ENVIRONMENTAL HEALTH GROUP, 1 CIVIL PLAZA, S.W. THERE IS NO CHARGE.

6 THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING AND SURVEYING FROM BASELINES, GRADES, AND BENCH MARKS SHOWN ON THE PLANS, OR MODIFIED IN THE FIELD BY THE ENGINEER, FOR ALL ITEMS OF WORK WHICH REQUIRE CONSTRUCTION STAKING AND SURVEYING. NOTE THAT THE UTILITY SURVEY CONTROL POINTS SHOWN ON THE UTILITY DRAWINGS ARE INDEPENDENT OF THE ROADWAY SURVEY CONTROL POINTS. THIS WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL SEWER LINES, WATER LINES, AND SERVICE LINES. ALL COSTS INCURRED IN PROVIDING SUCH CONSTRUCTION STAKING AND SURVEYING WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

7 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL NEW MANHOLES TO THE NEW FINISH GRADE. THE NEW MANHOLES DETAILED ON THESE UTILITY PLANS HAVE BEEN SHOWN TO THE EXISTING SURFACE AND NOT TO THE NEW PROFILE GRADE. FOR THE CONTRACTOR'S CONVENIENCE, A SANITARY SEWER MANHOLE SCHEDULE HAS BEEN PROVIDED ON SHEET 12-1 WHICH SHOWS THE CALCULATED DEPTH OF ALL NEW SANITARY SEWER MANHOLES IN RELATION TO THE NEW PROFILE GRADE. THESE DEPTHS SCHEDULED ARE FROM INVERT TO RIM ELEVATION. ANY FIELD CHANGE OR MINOR DEVIATION FROM THE ROADWAY PLANS WILL AFFECT THESE DIMENSIONS. THEREFORE, THE CONTRACTOR SHALL USE THESE MEASUREMENTS AS A GUIDE, BUT SHOULD ALLOW FOR MINOR ADJUSTMENTS.

8 ANY EXISTING DRAINAGE STRUCTURES, CULVERTS, ETC., DAMAGED OR REMOVED BY THE CONTRACTOR DURING CONSTRUCTION ACTIVITIES SHALL BE REINSTALLED OR REPLACED TO PROVIDE AN EQUAL OR BETTER STRUCTURE AT NO ADDITIONAL COST TO THE OWNER.

9 IT IS POSSIBLE THAT FIELD CONDITIONS MAY REQUIRE CHANGES TO SOME OF THE NEW SEWER SERVICE LINES SHOWN ON THE DRAWINGS. THE OWNER RESERVES THE RIGHT TO DIRECT THE CONTRACTOR TO REVISE THE LOCATION OF SUCH SEWER SERVICE LINES AT NO ADDITIONAL COST TO THE OWNER.

10 THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING, IN ADVANCE OF HIS CONSTRUCTION OPERATIONS, IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC., ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY COMPANY TO SUPPORT, REMOVE, OR RELOCATE THE UTILITY OBSTRUCTION.

11 GAS, ELECTRIC, AND TELEPHONE UNDERGROUND UTILITIES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ALL UNDERGROUND UTILITIES AND FOR COORDINATING WITH THE APPROPRIATE UTILITY COMPANY TO COMPLY WITH ANY SPECIAL REQUIREMENTS IMPOSED DURING THE CONSTRUCTION OF THESE UTILITY IMPROVEMENTS. IT WILL BE NECESSARY AT TIMES TO SUPPORT EXISTING UNDERGROUND UTILITIES DURING TRENCHING OPERATIONS. THE CONTRACTOR SHALL TAKE THE NECESSARY MEASURES TO PROTECT AND SUPPORT THESE EXISTING UTILITIES. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE TRENCHING AND BACKFILLING BID ITEMS OF THE BID PROPOSAL. THE CONTRACTOR SHALL EXERCISE SPECIAL CARE WHEN WORKING NEAR THE TELEPHONE FIBER-OPTIC CABLE.

12 THE CONNECTION OF THE EXISTING 6" SANITARY SEWER FORCEMAIN TO MANHOLE L9-52 SHALL BE COMPLETED ONLY AFTER ALL OF LINE 9 SANITARY SEWER HAS BEEN TESTED AND ACCEPTED BY THE CITY OF ALBUQUERQUE. BEFORE INTERRUPTION OF THE LIFT STATION OPERATION, THE CONTRACTOR SHALL BE COMPLETELY PREPARED TO MAKE THE CONNECTION IN ORDER THAT THE LIFT STATION "DOWN TIME" IS HELD TO A MINIMUM. THE CONTRACTOR SHALL PERFORM THIS CONNECTION DURING "OFF-PEAK" OPERATION OF THE STATION TO ALLOW AS MUCH TIME AS POSSIBLE FOR THE CONNECTION; HOWEVER, IF THE LIFT STATION WET WELL REQUIRES EVACUATION WHILE WORK IS BEING PERFORMED ON THE FORCE MAIN, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO TAKE NECESSARY MEASURES THE PUMP THE SEWAGE FROM THE LIFT STATION WET WELL.

13 DURING TRENCHING OPERATIONS ON ORTEGA ROAD, HOMLAND ROAD, AND ST. FRANCIS ROAD, THE FULL WIDTH OF EXISTING ASPHALT PAVEMENT SHALL BE REMOVED. NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR THIS REMOVAL. PAYMENT SHALL BE INCLUDED IN THE APPLICABLE TRENCHING AND BACKFILLING ITEM DEFINED IN THE BID PROPOSAL.

14 STREET CENTERLINE GRADES ON ORTEGA ROAD, HOMLAND ROAD, AND ST. FRANCIS ROAD SHALL BE RESTORED BY THE CONTRACTOR TO THE EXISTING CENTERLINE GRADES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. INTERSECTIONS, CURBS, AND OTHER SURFACE IMPROVEMENTS SHALL BE RESTORED BY THE CONTRACTOR TO THE EXISTING LOCATIONS AND GRADES. EXISTING IRREGULARITIES SUCH AS BUMPS AND DIPS IN THE PAVING SHALL NOT BE RESTORED AND SMOOTH TRANSITIONS SHALL BE MADE BETWEEN EXISTING PAVEMENT WHICH REMAINS IN PLACE AND PAVEMENT WHICH IS BEING REPLACED.

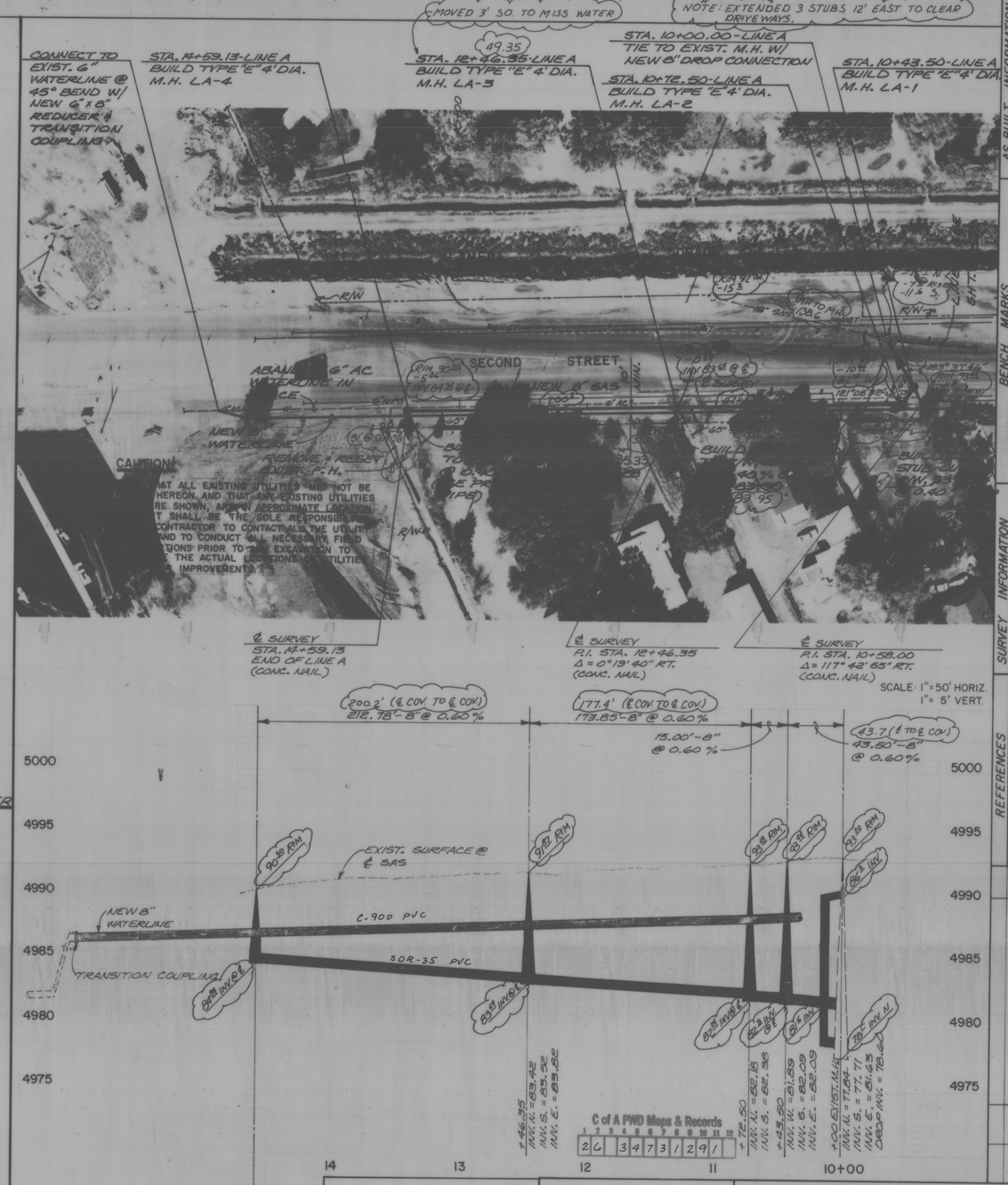
15 THE TYPICAL ROADWAY REPLACEMENT SECTION SHOWN ON SHEET 12-7 OF THESE UTILITY DRAWINGS SHALL BE UTILIZED FOR THE PAVEMENT REPLACEMENT ON ORTEGA ROAD, HOMLAND ROAD, AND ST. FRANCIS ROAD ONLY, AND DOES NOT APPLY TO ANY WORK PERFORMED IN SECOND STREET RIGHT-OF-WAY.

16 ALL TEMPORARY WATERLINE AND TEMPORARY CAPPING AND BLOCKING OF EXISTING WATERLINE REQUIRED FOR THE INSTALLATION OF THE NEW WATERLINE SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

NOTE:
ALL REFERENCE TO "ENGINEER" ON THESE UTILITY PLANS MEANS PROJECT MANAGER

UTILITY PLANS GENERAL LEGEND

	CENTER LINE OF SURVEY	H&T	HUB AND TACK
—2"MPG—	EXISTING GAS LINE	P.I.	POINT OF INTERSECTION
—FOUGT—	EXISTING FIBER-OPTICS TELEPHONE LINE	MRGCD	MIDDLE RIO GRANDE CONSERVANCY DISTRICT
—6"AC—W—	EXISTING WATER LINE	SHTS.	SHEETS
—UGT—	EXISTING UNDERGROUND TELEPHONE LINE	COMP.	COMPACTED
	PROPERTY OR RIGHT-OF-WAY LINE	BIT.	BITUMINOUS
	NEW SEWER AND SERVICE LINE	IN.	INCH
W.V.	WATER VALVE	DIA.	DIAMETER
F.H.	FIRE HYDRANT	MIN.	MINIMUM
P.P.	POWER POLE	M.J.	MECHANICAL JOINT
T.M.H.	TELEPHONE MANHOLE	R.C.P.	REINFORCED CONCRETE PIPE
	EXISTING MANHOLE	STA.	STATION
	NEW MANHOLE	INV. EL.	INVERT ELEVATION
N&S	NAIL AND SHINER	D.I.P.	DUCTILE IRON PIPE
R.P.	REFERENCE POINT	MAX.	MAXIMUM
C.M.P.	CORRUGATED METAL PIPE		
MON.	MONUMENT		
PVMT.	PAVEMENT		
M.H.	MANHOLE		
R/W	RIGHT-OF-WAY		
	WATER METER		



RECORD DRAWING
DATE 9-4-89

PLANS PREPARED UNDER THE DIRECTION OF
REUT S. FERGUSON
8182
REGISTERED PROFESSIONAL ENGINEER

APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: LINE A – SECOND STREET LEGEND & GENERAL NOTES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	N/A		Liquid Waste		3/24/88
A.C.E.-Design	N/A		Traffic	N/A	
A.C.E.-Hydrology	N/A		Water		3/24/88

DRAWING NO.

SHEET 12-2 OF

MOLZEN-CORBIN & Associates

AS BUILT INFORMATION
CONTRACTOR J.R. HALE
WORK STAKED BY walker DATE
INSPECTOR'S ACCEPTANCE BY B.Smith DATE
FIELD VERIFICATION BY B.Smith DATE
DRAWINGS CORRECTED BY walker DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STA. 10+00 M.H. COVER T.B.M.
ELEV. = 4993.27

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

REFERENCES
MAP NO. W.O. NO.
EST. NO.

REMARKS
NO. DATE BY

REVISIONS
DESIGN
DESIGNED BY K. ALEXANDER DATE 1/88
DRAWN BY A. LOPEZ DATE "
CHECKED BY K. FREIER DATE "

PHOTO REPRODUCTION BY KOOGLE & POULS ENGINEERING, INC. 8338A COMMON, P.O. ALBUQUERQUE, NEW MEXICO, 87110

AS BUILT INFORMATION
CONTRACTOR JR HALE
WORK STAKED BY Walt Kerr DATE
INSPECTOR'S REPORT DATE
ACCEPTANCE BY B. Smith DATE
FIELD VERIFICATION BY B. Smith DATE
VERIFIED BY Walt Kerr DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
U.M. 41-2 BRASS CAP SET IN CONC.
POST FLUSH. WITH GROUND
ELEVATION: 4994.91

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

REFERENCES
MAP NO. W.O. NO.
EST. NO.

REVISIONS
NO. DATE REMARKS BY

DESIGN
DESIGNED BY K. KEMPER DATE 1/88
DRAWN BY J. SANDIO DATE "
CHECKED BY K. FREVER DATE "

PLANS PREPARED UNDER THE DIRECTION OF
KENT S. FOCHER
REGISTERED PROFESSIONAL ENGINEER
4/4/88

APPROVED FOR CONSTRUCTION
3/28/88
CITY ENGINEER DATE

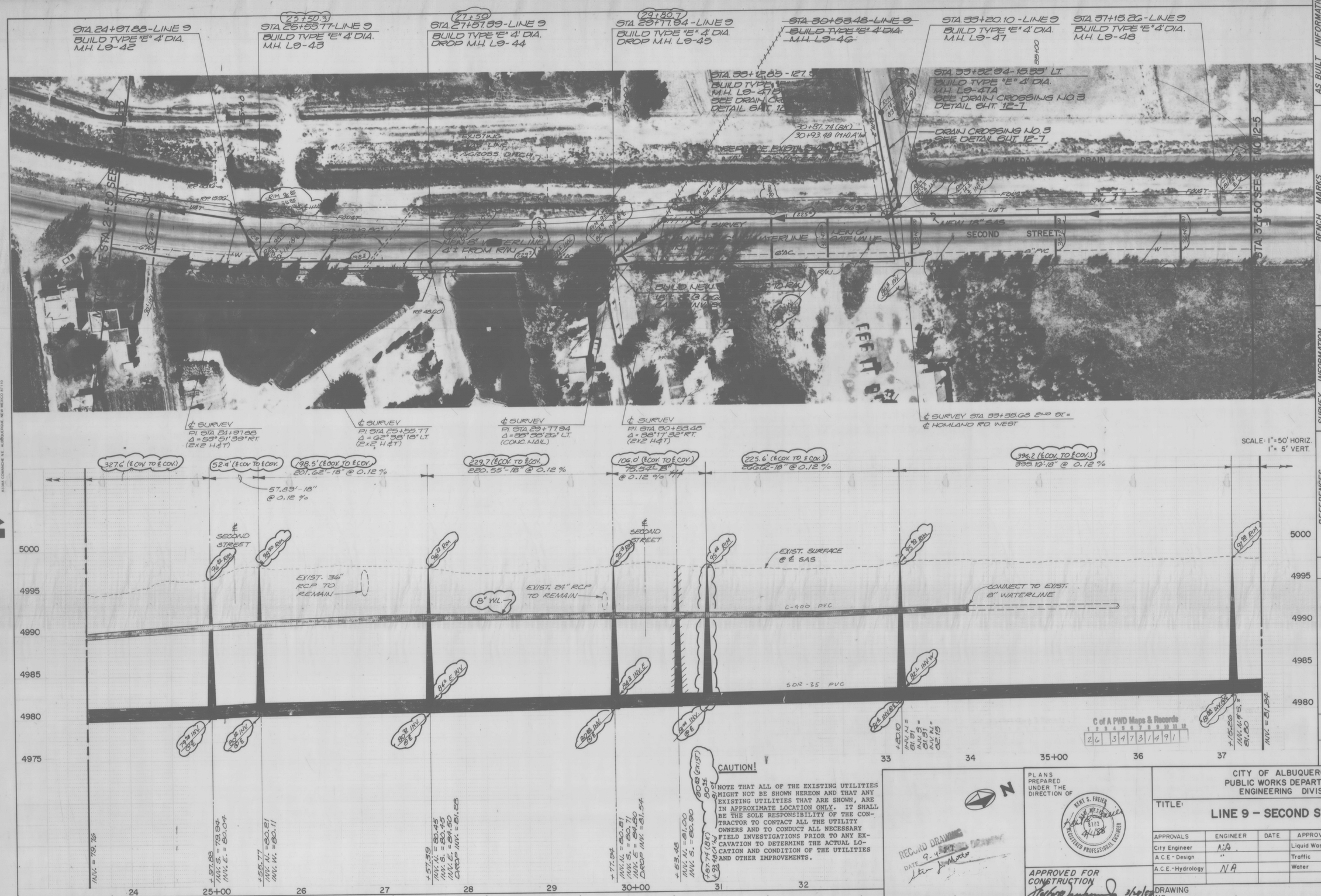
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE:
LINE 9 - SECOND STREET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	NA		Liquid Waste	Wernerd	3/24/88
A.C.E.-Design	NA		Traffic	NA	
A.C.E.-Hydrology	NA		Water	Wernerd	3/24/88

DRAWING NO.
SHEET 12-3 OF

MOLZEN-CORBIN & Associates



CAUTION!

NOTE THAT ALL OF THE EXISTING UTILITIES MIGHT NOT BE SHOWN HEREON AND THAT ANY EXISTING UTILITIES THAT ARE SHOWN, ARE IN APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION AND CONDITION OF THE UTILITIES AND OTHER IMPROVEMENTS.

RECORD DRAWING
DATE 9-4-87

PLANS PREPARED UNDER THE DIRECTION OF
HENRY S. FREIER
REGISTERED PROFESSIONAL ENGINEER

APPROVED FOR CONSTRUCTION
CITY ENGINEER — DATE 3/24/88

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: LINE 9 – SECOND STREET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	N.A.		Liquid Waste		3/24/88
A.C.E.-Design	"		Traffic	N.A.	
A.C.E.-Hydrology	N.A.		Water		3/24/88

DRAWING NO.

SHEET 12-4 OF

MOLZEN-CORBIN & Associates

AS BUILT INFORMATION
CONTRACTOR: J.E. HALE
WORK STAKED BY: Walker DATE
INSPECTORS ACCEPTANCE BY: R. Smith DATE
FIELD VERIFICATION BY: R. Smith DATE
DRAWINGS CORRECTED BY: Walker DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
UM 47-2 BRASS CAP SET IN CONC. POST FLUSH WITH GROUND
ELEVATION: 4994.91

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

REFERENCES
MAP NO.
EST. NO.
W.O. NO.

REMARKS
REVISIONS
NO. DATE BY
DESIGN
DESIGNED BY K. KEMPER DATE 1/88
DRAWN BY A. LOPEZ DATE "
CHECKED BY K. FREIER DATE "

C of A PWD Maps & Records
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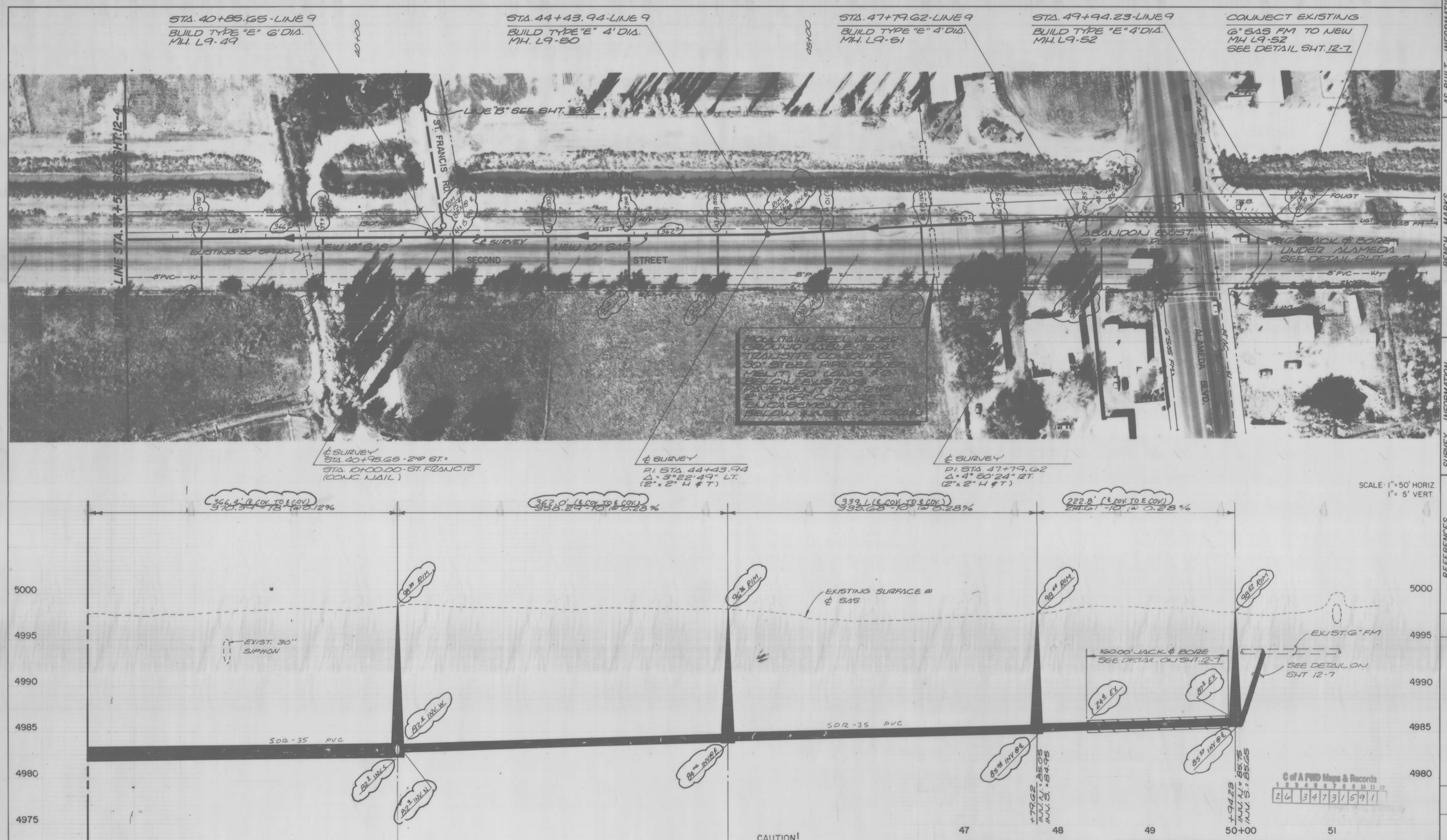
26 3 4 7 3 1 4 9 1



CAUTION!

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RECORD DRAWING
DATE 9-4-89

PLANS PREPARED UNDER THE DIRECTION OF
KENT S. FRICKE
NEW MEXICO
8172
REGISTERED PROFESSIONAL ENGINEER
9/1/88

APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: LINE 9 - SECOND STREET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	N/A		Liquid Waste	Unknown	
A.C.E.-Design	"		Traffic	N/A	
A.C.E.-Hydrology	N/A		Water	Unknown	

DRAWING NO.

SHEET OF 12-5

AS BUILT INFORMATION
CONTRACTOR T.R. HALE
WORK STAKED BY Walker DATE
INSPECTOR'S ACCEPTANCE BY R. Smith DATE
FIELD VERIFICATION BY R. Smith DATE
DRAWINGS VERIFIED BY Walker DATE
COMMENTS
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
B.M. 47-1A NORTHEAST CORNER
ALBUQUERQUE & SECOND ST.
ELEVATION = 4999.28

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

REFERENCES
MAP NO.
EST. NO.
W.O. NO.

REMARKS
REVISIONS
NO. DATE BY
DESIGN
DESIGNED BY K. KEMPEZ DATE 1/88

C of A PWD Maps & Records
2 6 3 4 7 3 1 5 9 1

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MOLZEN-CORBIN & Associates

CAUTION!

NOTE THAT ALL OF THE EXISTING UTILITIES MIGHT NOT BE SHOWN HEREON AND THAT ANY EXISTING UTILITIES THAT ARE SHOWN, ARE IN APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION AND CONDITION OF THE UTILITIES AND OTHER IMPROVEMENTS.

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 3473169 1

RECORD DRAWING
DATE 9-4-89
Steve Mitts

PLANS PREPARED UNDER THE DIRECTION OF
BERT S. FREIER
REGISTERED PROFESSIONAL ENGINEER
8/31/88

APPROVED FOR CONSTRUCTION
CITY ENGINEER — DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE:
LINE B-ST. FRANCIS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	NA		Liquid Waste	[illegible]	3/24/88
A.C.E.-Design	"		Traffic	NA	
A.C.E.-Hydrology	NA		Water	[illegible]	3/24/88

DRAWING NO.
SHEET 12-6 OF

AS BUILT INFORMATION
CONTRACTOR J.R. HALE
WORK STAKED BY W. Walker DATE
INSPECTED BY DATE
ACCEPTANCE BY B. Smith DATE
FIELD VERIFICATION BY B. Smith DATE
DRAWINGS CORRECTED BY D. Walker DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
B14-47-1A NORTHEAST CORNER
ALAMEDA RD & SECOND ST.
ELEVATION = 4999.28

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

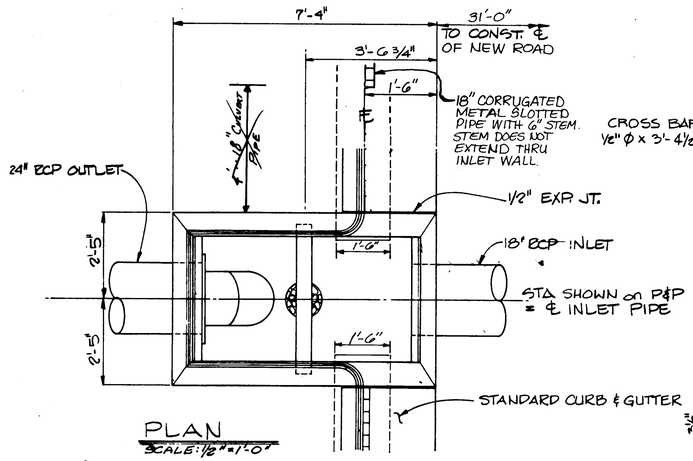
REFERENCES
MAP NO.
EST. NO.
W.O. NO.

REVISIONS
NO. DATE REMARKS BY

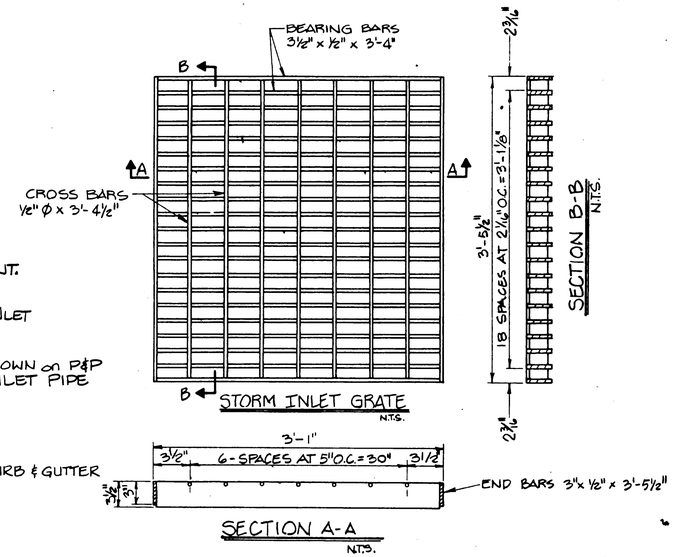
DESIGN
DESIGNED BY K. LEMPER DATE 11/88
DRAWN BY J. CHAVEZ DATE "
CHECKED BY K. FREIER DATE "

MOLZEN-CORBIN

F.H.W.A. REGION NO.	STATE	N.M.P.	SHEET NO.	TOTAL SHEETS
6	NEW MEXICO	[redacted]	[redacted]	



PLAN
SCALE: 1/2" = 1'-0"



ESTIMATED QUANTITIES *

ITEM	QUANTITY
CLASS "A" CONCRETE, CU. YDS. **	1.818 + 0.524 H
REINFORCING STEEL, LBS.	263 + 42.39 H
STRUCTURAL STEEL, LBS.	1022

* FOR CONTRACTOR'S INFORMATION ONLY
** SEE TABLE BELOW FOR PIPE DEDUCTIONS
H = DEPTH OF DROP INLET IN FEET

CLASS "A" CONCRETE DEDUCTIONS FOR ONE PIPE

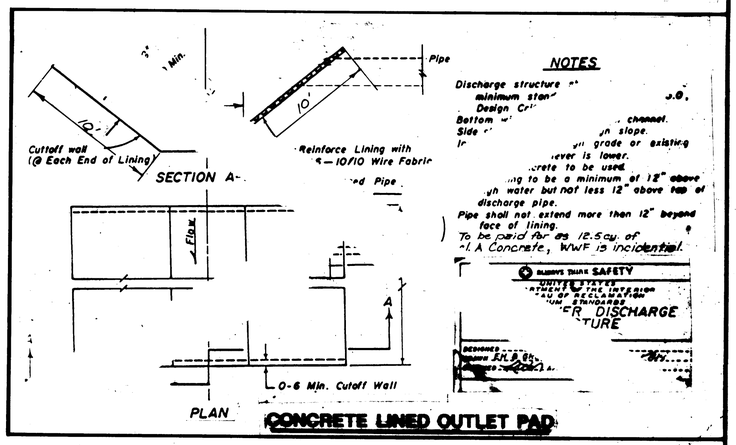
SIZE	DEDUCTION FOR RCP
12" Φ	0.037 CU. YDS.
18" Φ	0.074 CU. YDS.
24" Φ	0.134 CU. YDS.

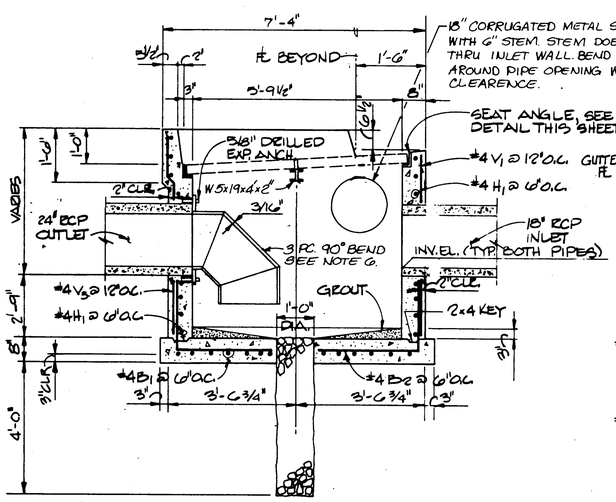
NOTE: DEDUCTIONS ARE FOR PIPE NORMAL TO WALLS.

NOTES:

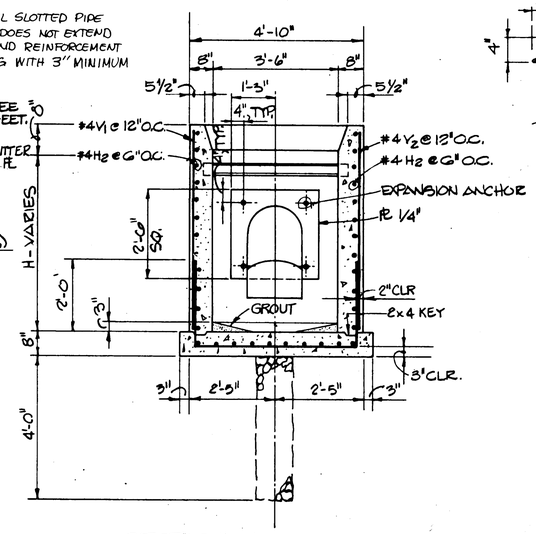
SPECIAL DROP INLET DETAILS

1. ALL CONCRETE SHALL BE CLASS "A". DESIGN BASED ON A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. CHAMFER ALL EXPOSED EDGES 3/4".
2. REINFORCING STEEL SHALL CONFOEM TO A.S.T.M. SPECIFICATION A-615, GRADE 40.
3. STRUCTURAL STEEL SHALL BE CARBON STEEL CONFORMING TO AASHTO SPECIFICATION M-183.
4. ASSEMBLE AND THOROUGHLY CLEAN ALL STRUCTURAL STEEL PRIOR TO PAINTING. PAINT ALL STRUCTURAL STEEL MEMBERS WITH ONE SHOP COAT OF RED LEAD PAINT (AASHTO M-72) AND TWO COATS OF ALUMINUM PAINT (AASHTO M-69) OMIT PAINT ON CONTACT SURFACES AND SURFACES EMBEDDED IN CONCRETE.
5. TOP OF GRATE CROSS BARS SHALL BE FLUSH WITH TOP OF GRATE. THE GRATE SHALL BE WELDED WITH 1/8" FILLET WELD AROUND BOTH SIDES OF CROSS BARS AND 1/4" FILLET WELD AROUND BOTH SIDES OF BEARING BARS. GRIND WELDS FLUSH WITH BEARING BARS.
6. STEEL ELBOW SHALL BE A 90° THREE-PIECE ELBOW, 5/16" WALL THICKNESS, 18" ID, CONSTRUCTED IN ACCORDANCE WITH AMERICAN WATER WORKS ASSOCIATION STANDARD C208, "DIMENSIONS FOR FABRICATED STEEL WATER PIPE FITTINGS." PAINT INTERIOR AND EXTERIOR OF ELBOW WITH TWO COATS (30 MILS TOTAL) KOPPERS BITUMASTIC 505, AMERON 78 HB, TNEMEC 46-450, OR EQUAL. PREPARE SURFACE PRIOR TO PAINTING IN ACCORDANCE WITH STRUCTURAL STEEL PAINTING COUNCIL SSPC-SP6 SPECIFICATION.
7. DRILLED EXPANSION ANCHORS SHALL BE TYPE 316 STAINLESS STEEL WEDGE ANCHORS AS MANUFACTURED BY PHILLIPS DRILL COMPANY OR EQUAL.

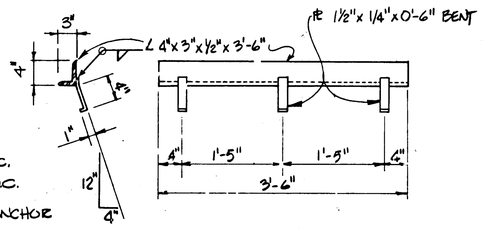




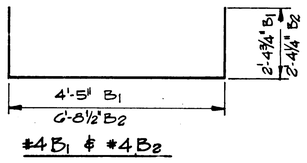
SECTION
SCALE: 1/2" = 1'-0"



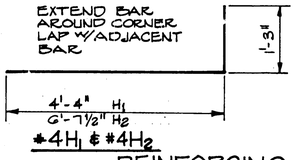
SECTION
SCALE: 1/2" = 1'-0"



SEAT ANGLE DETAILS
SCALE 1" = 1'-0"



#4B1 & #4B2



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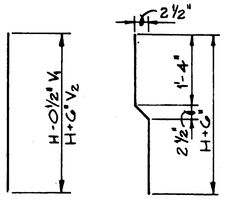


#4V1 & #4V2

#4V3

REINFORCING DETAILS

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE

RECORD DRAWING
DATE 9-4-89

STRUCTURES LOCATED AT STATIONS:

Sta. 290+93
Sta. 298+50
Sta. 303+27
Sta. 315+65

MRGCD Curb Inlets shall be paid for by the each complete in place.

C of A PWD Maps & Records

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

3473

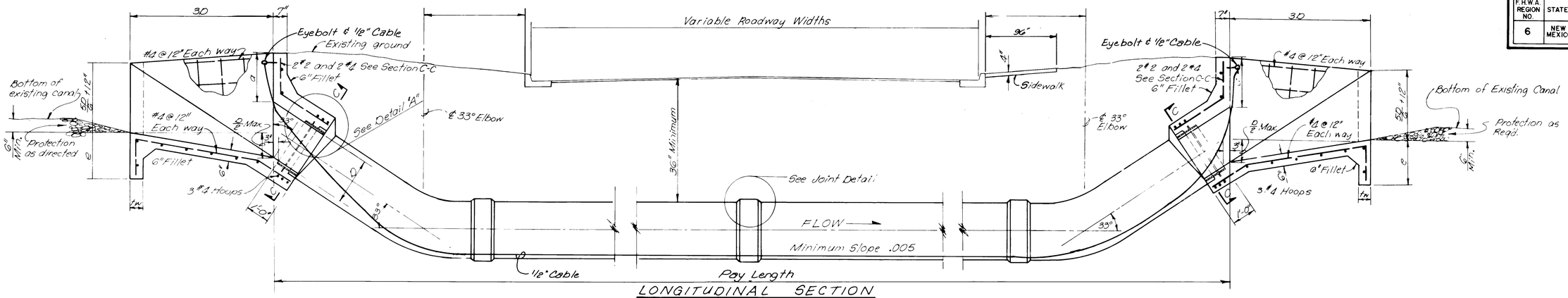
[redacted]

MRGCD CURB INLET DETAILS

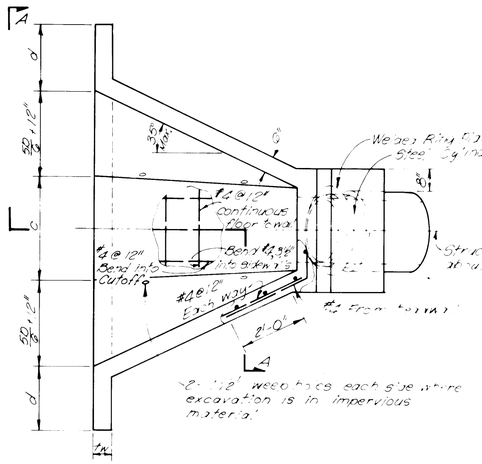
SECOND STREET

DESIGN | DRAWN | CHECKED | DATE

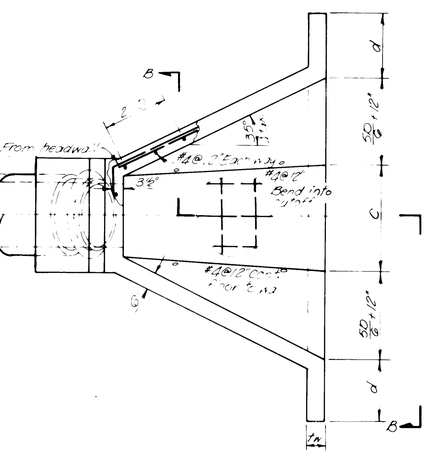
F.H.W.A. REGION NO.	STATE	N.M.P.	SHEET NO.	TOTAL SHEETS
6	NEW MEXICO	[redacted]	2-8	



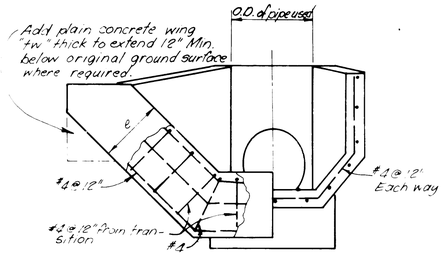
LONGITUDINAL SECTION
Not to Scale



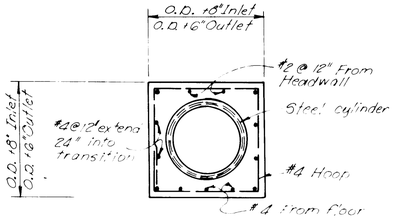
PLAN - INLET TRANSITION
Not to Scale



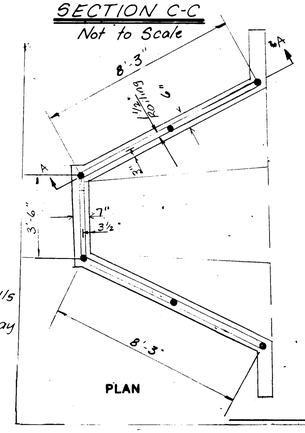
PLAN - OUTLET TRANSITION
Not to Scale

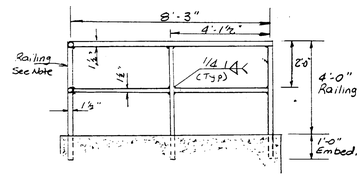


SECTIONS A-A AND B-B
Not to Scale



SECTION C-C
Not to Scale





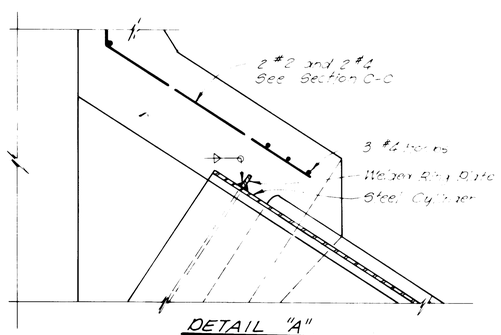
SECTION A-A

Note: Railing shall be Schedule 40 Black Iron Pipe, 1 1/2" IPS.

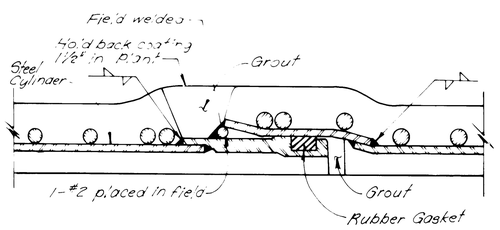
RAILING DETAIL

NOTES:

1. All reinforcement in monolithic concrete shall be placed so that the centers of bars in the outer layer will be 8" from outer face, unless otherwise shown.
2. Lap all bars 20 diameters at splices.
3. Berms may be necessary at either or both headwalls to suit actual laying length of pipe.
4. Values of c as given in table of dimensions may be changed as directed if 35° max. transition wall divergence is not exceeded.
5. Chamfer all exposed corners 3/4".
6. Pipe may be Steel Cylinder or Low Pressure Reinforced Concrete Waterpipe with Amseal joint or equal.
7. Railing Incidential to Completion of Pipe. Add 1/2" Cable with eyebolts for Cleanout Purposes incidential to pipe.



DETAIL "A"
Not to Scale



JOINT DETAIL
Not to Scale

TABLE OF DIMENSIONS					
D	a	c	d	e	tw
18"	24"	2'-4"	18"	18"	6"
24"	2'-2"	3'-2"	24"	24"	6"
30"	2'-6"	4'-0"	2'-6"	2'-6"	8"
36"	2'-8"	4'-10"	2'-6"	2'-6"	8"
42"	2'-10"	5'-8"	2'-6"	2'-6"	8"
48"	3'-0"	6'-6"	2'-6"	2'-6"	8"
54"	3'-0"	7'-4"	2'-6"	2'-6"	8"
60"	3'-0"	8'-2"	2'-6"	2'-6"	8"
72"	3'-0"	9'-10"	2'-6"	2'-6"	8"
84"	3'-0"	11'-6"	2'-6"	2'-6"	8"

NOTE: Siphon shall be paid for as 30" RCP Item No. 501331 at Sta. 311+00

Headwalls will be paid for as Class A concrete and reinforcing bars, Grade 40 (8.0 cy Cl A concrete & 1600 lbs. Gr 40 Reinf. steel for 1 Headwall)

C of A PWD Maps & Records

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

RECORD DRAWING
DATE 9-4-89
John K. Moten

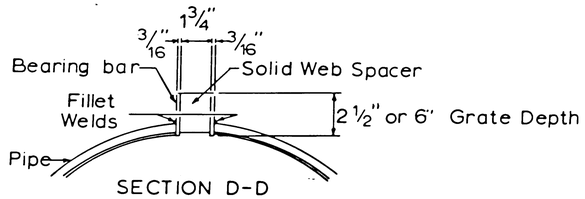
SIPHON DETAILS

SECOND STREET

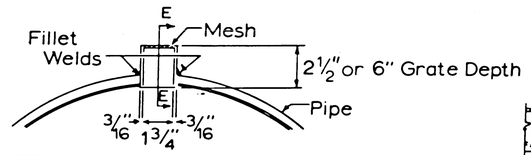
WILSON & COMPANY
ENGINEERS ARCHITECTS
ALBUQUERQUE NEW MEXICO

N. M. PROJECT [redacted] SHEET NO. [redacted]

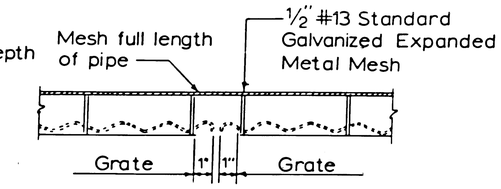
F.H.W.A. REGION NO.	STATE	N.M.P.	SHEET NO.	TOTAL SHEETS
6	NEW MEXICO	SP-OM-4035 (200)	2-10	



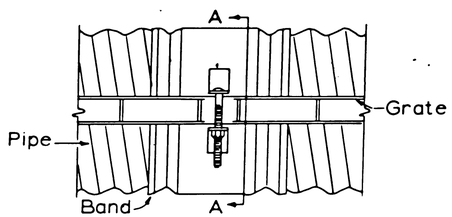
SECTION D-D
STANDARD GRATE SLOT DETAIL



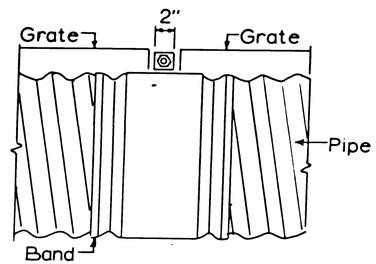
ALTERNATE GRATE SLOT DETAIL
FOR INCLUSION OF MESH



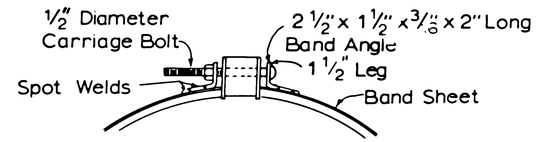
SECTION E-E



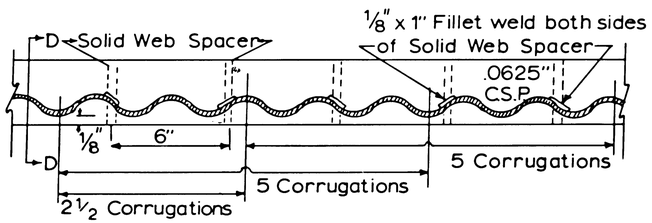
TYPICAL COUPLING BAND
TOP VIEW



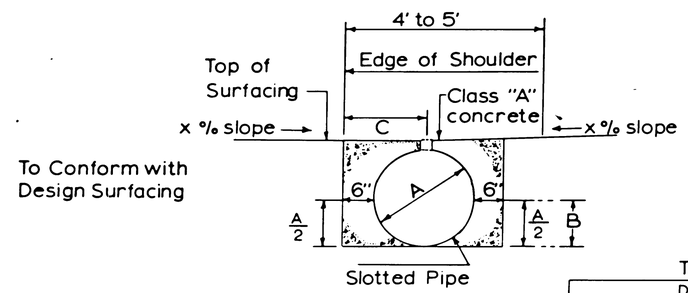
TYPICAL COUPLING BAND
SIDE VIEW



SECTION A-A



GRATE SLOT WELDING DETAIL



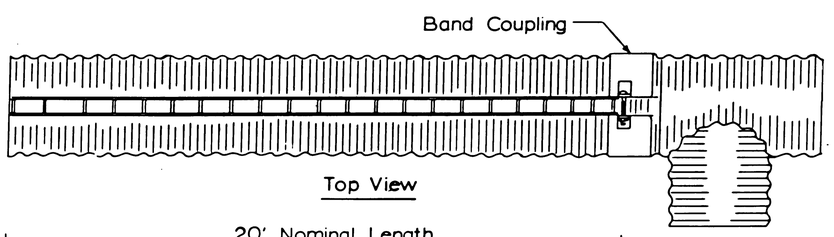
TYPICAL SECTION

TABLE X

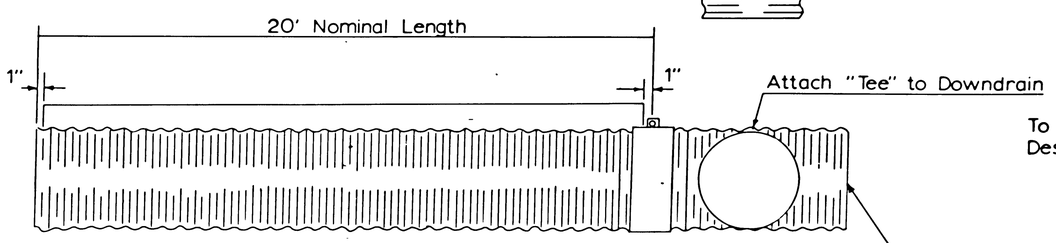
	DIMENSIONS (inches)				
A	12	15	18	24	30
B	6	7.5	9	12	15
C	12	13.5	15	18	21

GENERAL NOTES

1. C.M.P. Slotted Drain shown on this drawing is patented by Armco; Ramco; Republic or approved equal is acceptable.
2. Bearing bars and solid web spacers shall conform to A.A.S.H.T.O. specification M-183 and shall be galvanized in conformance with A.A.S.H.T.O. specification M-111.
3. After bearing bars are welded to the pipe the welded areas shall be painted with zinc-rich paint.
4. See serial MDI-1 Sht.1 for C.M.P. connections to crossdrains.
5. Cost of "Tees" shall be included in the unit price bid for culvert pipe and no additional payment will be made therefor.
6. Cost of Class "A" concrete to be included in the unit price bid for corrugated steel slotted pipe.
7. Size of C.M.P. shall be as shown on the plans.
8. When C.M.P. Slotted Drain is NOT encased in concrete backfill as recommended by the Manufacturer.

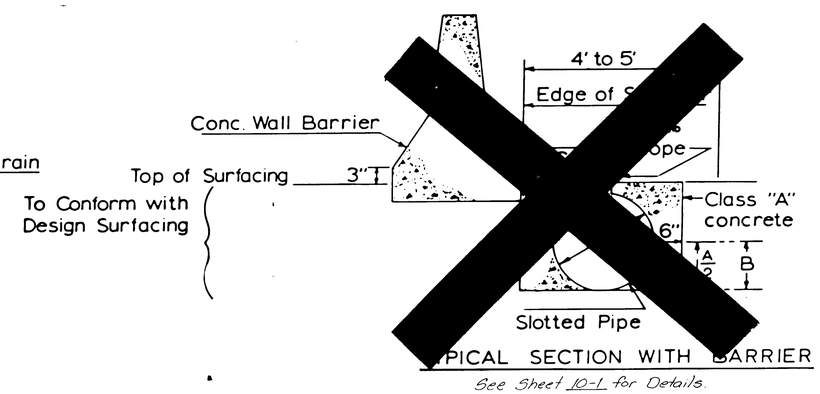


Top View



SIDE VIEW

SLOTTED DRAIN



TYPICAL SECTION WITH BARRIER

See Sheet 10-1 for Details.

9-4-89

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
2 6 3 9 7 3 0 3 9 1

IDENT NO	DESCRIPTION	DATE	BY
	REVISIONS (OR CHANGE NOTICES)		

NEW MEXICO
STATE HIGHWAY DEPARTMENT

C.S.P. SLOTTED DRAIN

LAYOUT AND UPDATE BY: A.D.C.O.
DRAFTED BY: D.M.B.
CHECKED BY: A.R. Jr.

APPROVAL
RECOMMENDED - HWY DESIGN ENGINEER DATE
APPROVED
DIRECTOR, PROJ. DEVELOPMENT DIV. DATE

DRAWING - 002 SHEET OF

WILSON & COMPANY
ENGINEERS ARCHITECTS
ALBUQUERQUE NEW MEXICO

N. M. PROJECT NO SP-OM-4035 (200) SHEET NO. 2-10

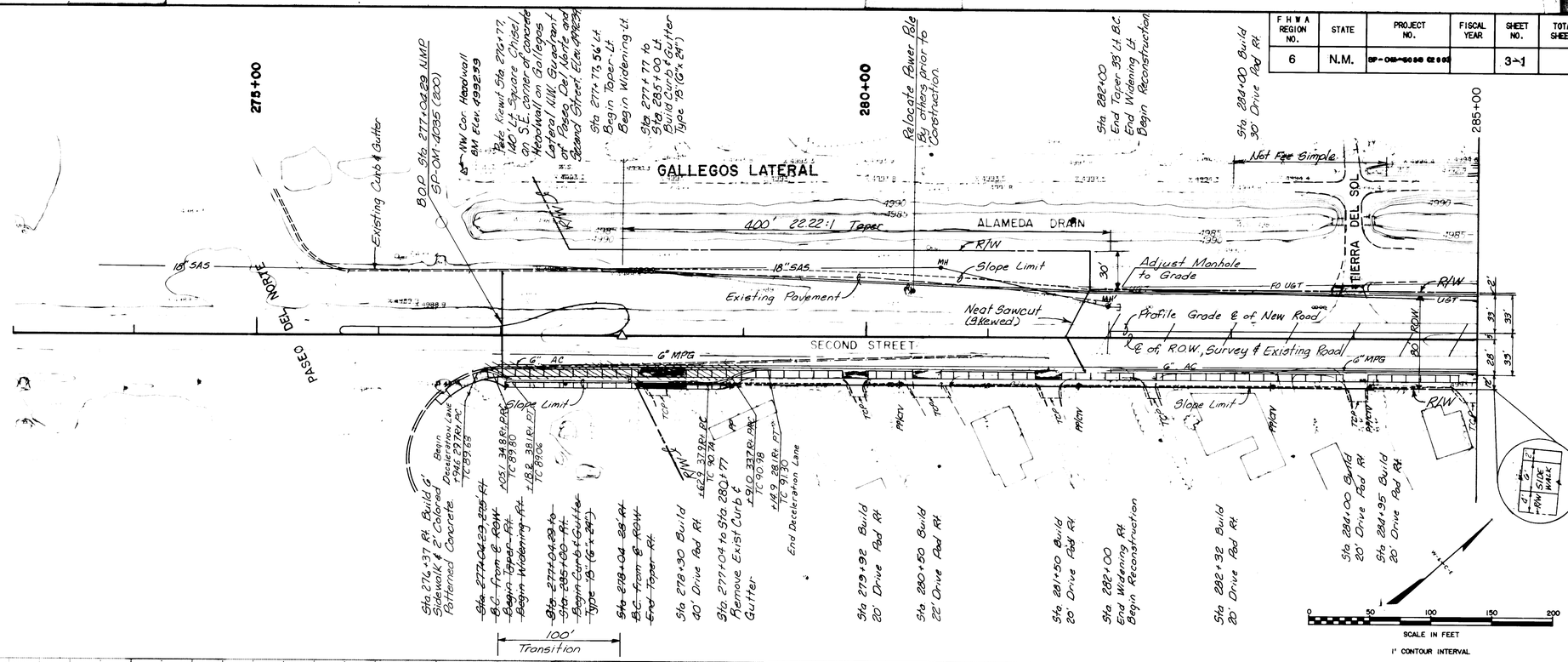
F.H.W.A. REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	N.M.	SP-OM-0036 (2 of 3)		3-1	

NOTE:

This project begins in Town of Alameda Grant Sections 15 & 16 as projected, T. 11 N., R. 3 E., N.M.P.M.

Arc definition used Horizontal Curves (Radius of a 1° curve = 5729.58)

Earthwork Computations and Cross Section Quantities are for estimating purposes only. Final payment will be made on Slope Stake Quantities computed during Construction.



UTILITY OWNERS

Water & Sewer
City of Albuquerque
P.O. Box 1293
Albuquerque, New Mexico 87103
Attn: Buddy Smith (823-4250)

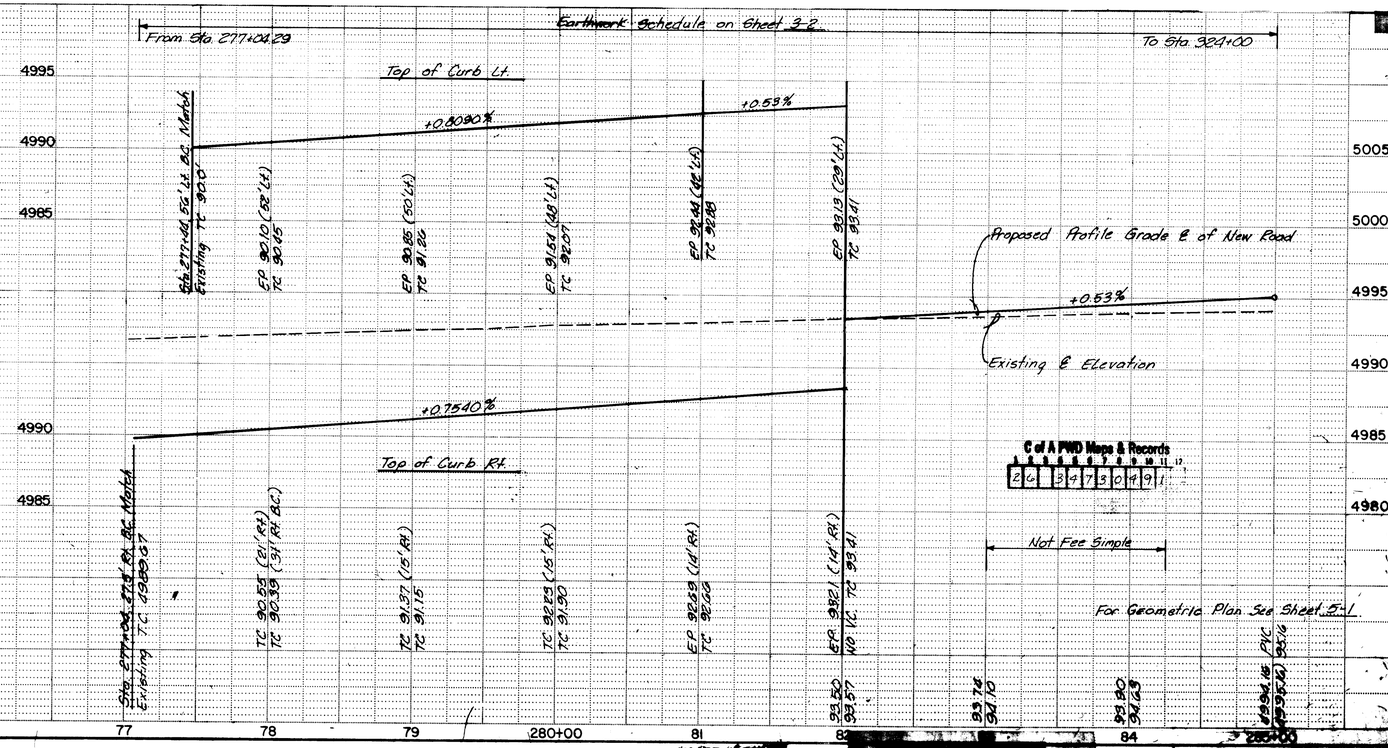
Gas
Gas Company of New Mexico
4625 Edith Blvd. N.W.
Albuquerque, New Mexico 87107
Attn: Steve Liparato (889-2521)

Telephone
Mountain Bell Telephone
505 Marquette NW, Sta. 954
Box 1355
Albuquerque, New Mexico 87103
Attn: Becky Olesen (765-3699)

Cable
Jones Intercable
2693 Tennessee N.E.
Albuquerque, New Mexico 87110
Attn: Yvette Suazo (761-6200)

Electric
Public Service Company of New Mexico
4201 North Edith N.E.
Albuquerque, New Mexico 87107
Attn: Terry Moynihan (761-3304)

U.S. Postal Service
Delivery & Collection
1135 Broadway N.E.
Albuquerque, New Mexico 87101-9601
Attn: Al Baca (848-3863)



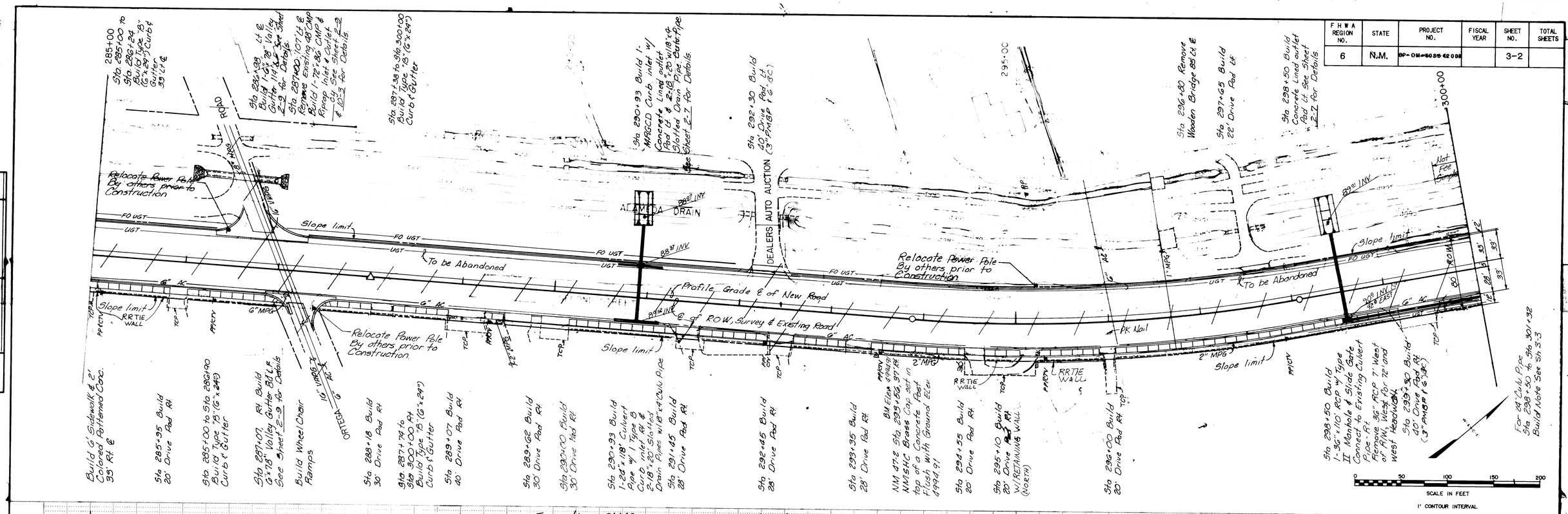
C of A PWD Maps & Records
2 6 3 4 7 3 0 4 9 1

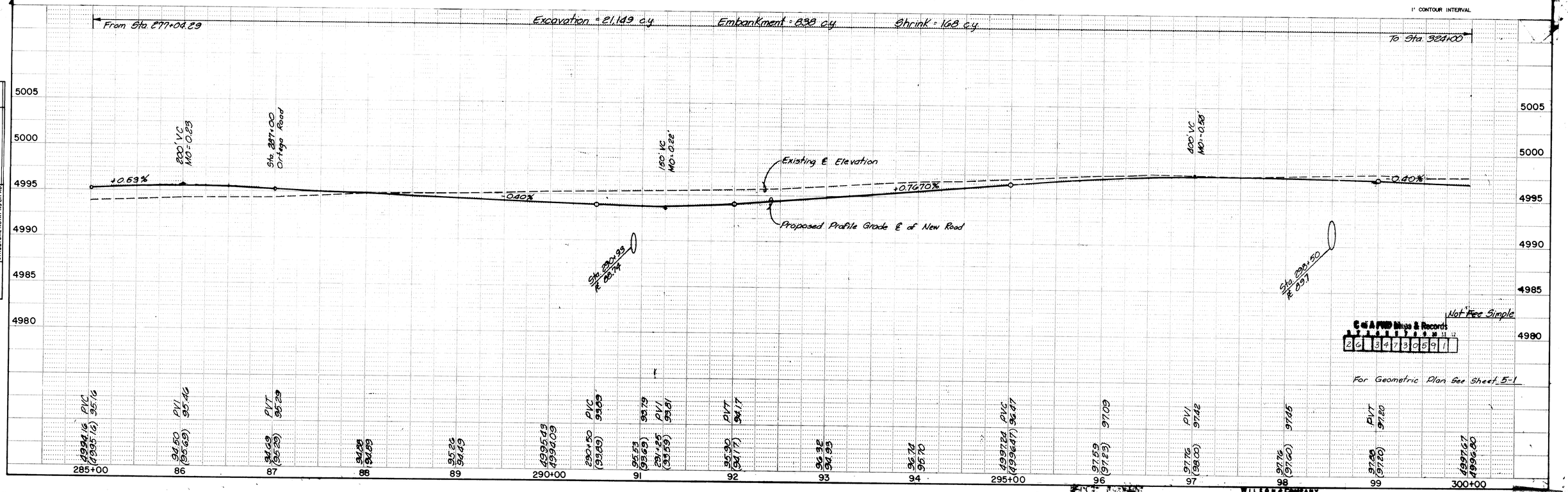
RECORD DRAWING
DATE 9-4-87

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / NOTE BOOK NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. & TIES VERIFIED / STRUCTURE NOTATING CH'KD / NOTE BOOK NO. / BY / DATE

F.H.W.A. REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	N.M.	BP-OM-[redacted]		3-2	





PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. & NOTED
STRUCTURE NOTAT'NS CH'KD
NOTE BOOK
NO.
BY
DATE

RECORD DRAWING
DATE 9-4-84

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE NEW MEXICO

PROJECT NO. [redacted]

C of A FWD Maps & Records
2 6 3 4 7 3 0 5 9 1

F.H.W.A. REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
		SP-OM-4886 (2)		3-8	

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT OF WAY CHECKED — NOTE BOOK / NO. — BY — DATE

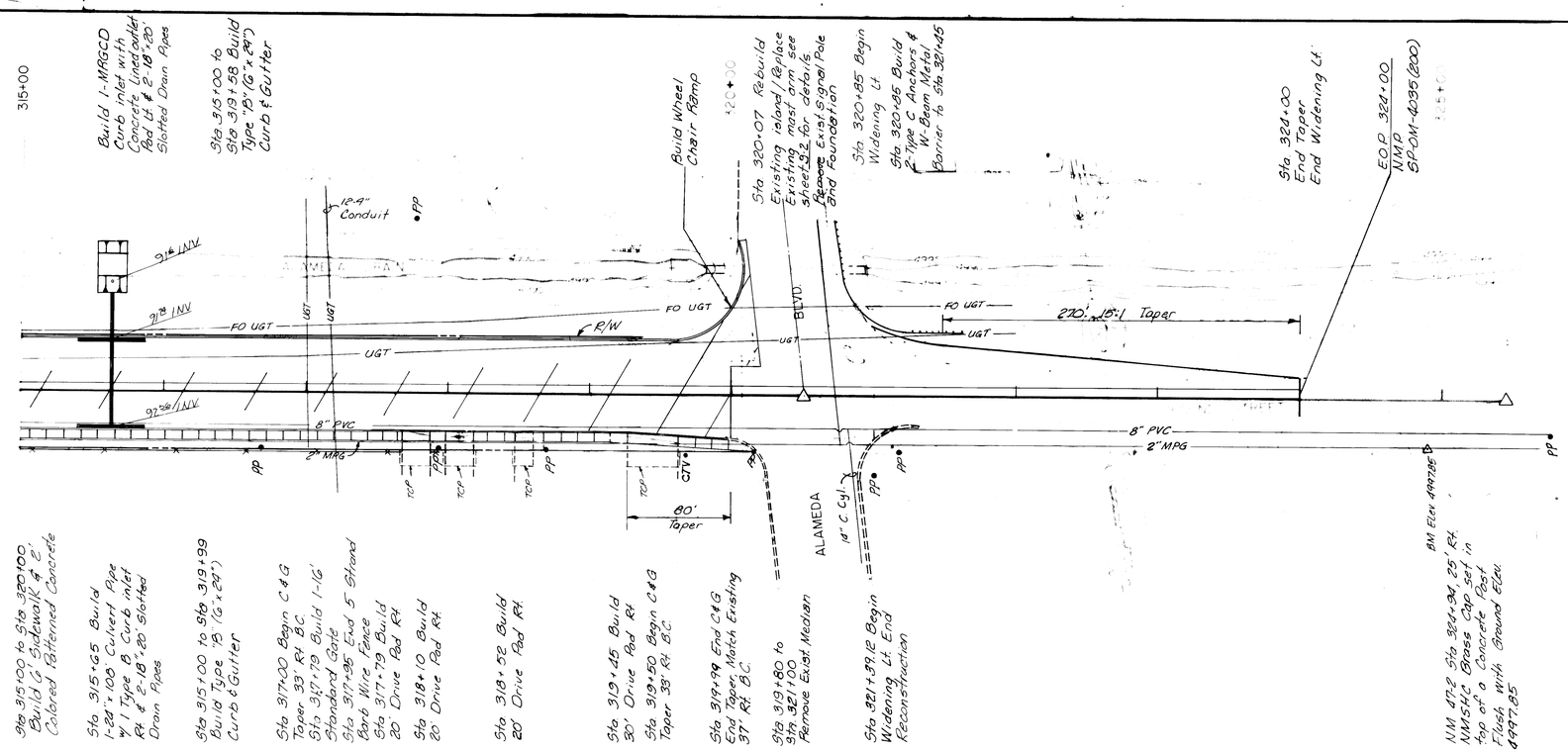
PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M.'S NOTED / STRUCTURE NOTAT'NS CH'KD — NOTE BOOK / NO. — BY — DATE

RECORD DRAWINGS

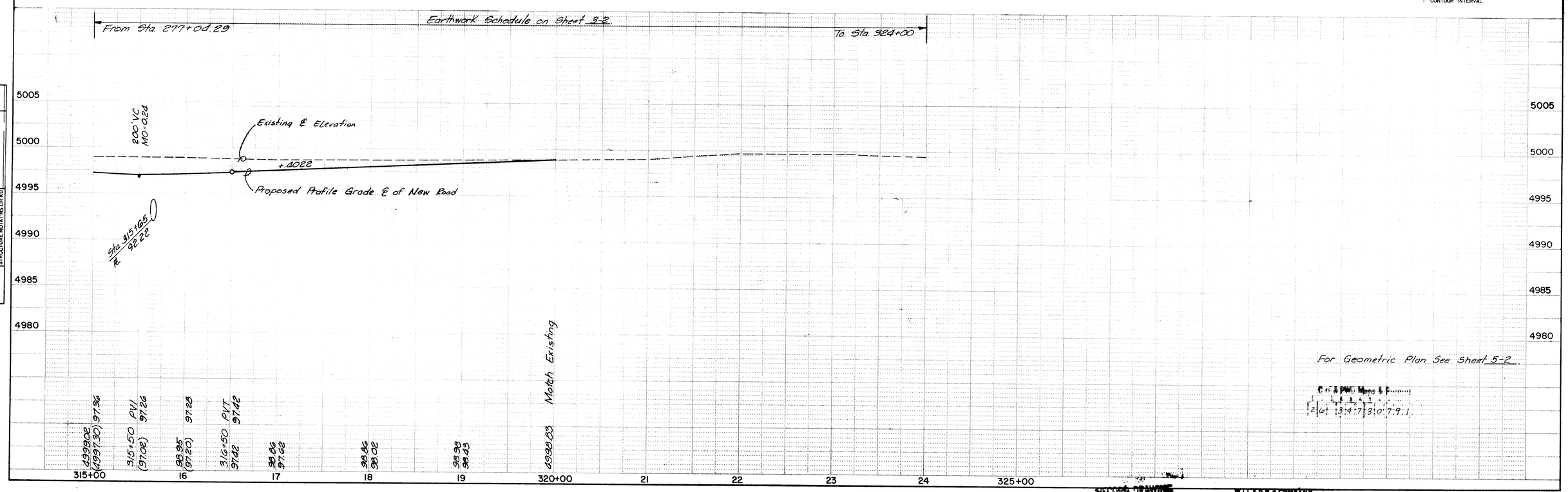
WILSON & COMPANY ENGINEERS ARCHITECTS ALBUQUERQUE NEW MEXICO

PROJECT NO.

F.H.W.A. REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	N.M.	BP-OM-4085 (200)		3-4	



PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT OF WAY CHECKED
BY
DATE
NOTE BOOK
NO.



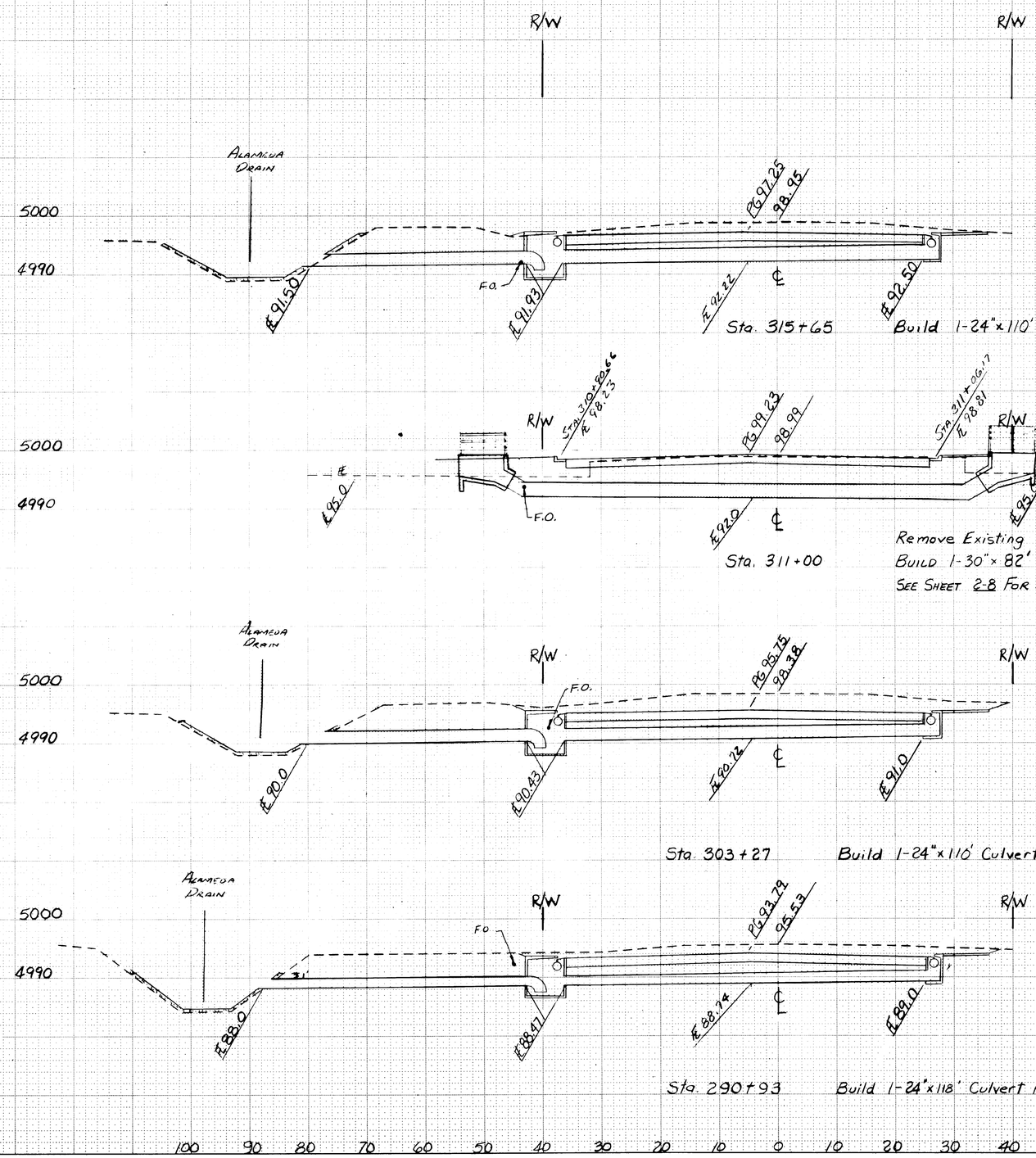
PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
BY DRAINAGE
STRUCTURE NOTATIONS CHKD
BY
DATE
NOTE BOOK
NO.

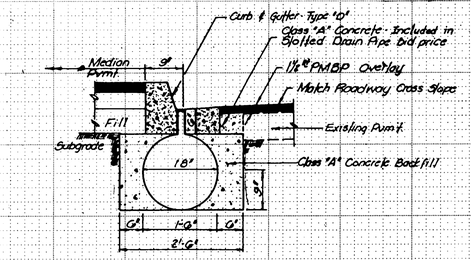
RECORD DRAWING
DATE 9-4-89

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE NEW MEXICO

N. M. PROJECT NO. [redacted] SHEET NO. [redacted]

FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	NEW MEXICO	[redacted]	19	10-1	





TYPICAL SLOTTED PIPE INSTALLATION

NOTE: SLOTTED PIPE STEM DOES NOT EXTEND INTO INLET WALL.

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

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

C of A PWD Maps & Records

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

RECORD DRAWING
DATE 9-4-84

STRUCTURE PLACEMENT

SECOND STREET

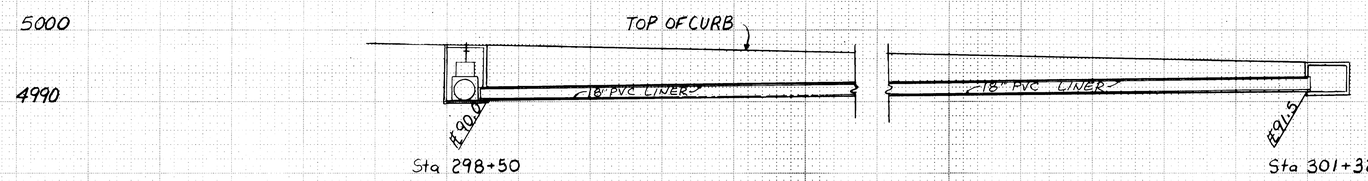
WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO

FM 4A PROJECT NO. [redacted]

F H W A REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	NEW MEXICO	[redacted]	19	19-2	

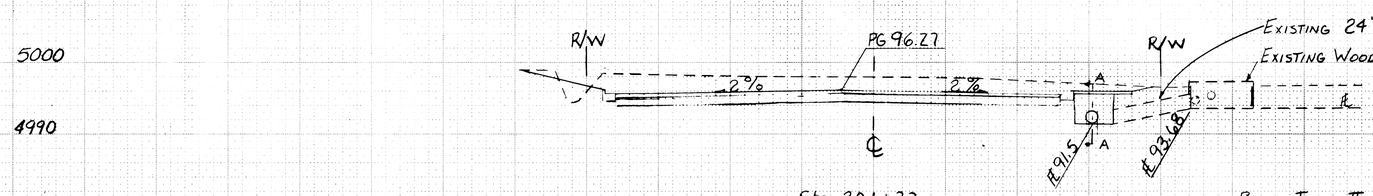
FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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



Section A-A

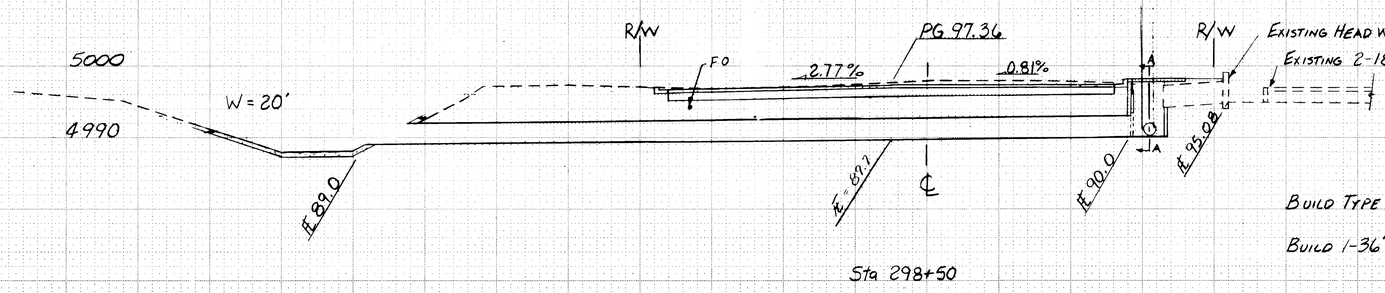
BUILD 1-24" x 282' Culvert PIPE



EXISTING 24" CMP (TO REMAIN) CUT & CONNECT TO MANHOLE.
EXISTING WOODEN BOX (TO REMAIN)

BUILD TYPE II MANHOLE
(ADJUST MANHOLE ELEVATION TO MATCH 24" CMP.)

See Section A-A



EXISTING HEAD WALL & 36" RCP (TO REMAIN) SAW CUT & CONNECT TO MANHOLE.
EXISTING 2-18" CMP'S (TO REMAIN)

BUILD TYPE II MANHOLE w/ SLIDE GATE

BUILD 1-36" x 110' Culvert PIPE w/ CONCRETE LINING

100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50

RECORD DRAWING
DATE 8-4-89

STRUCTURE PLACEMENT

SECOND STREET

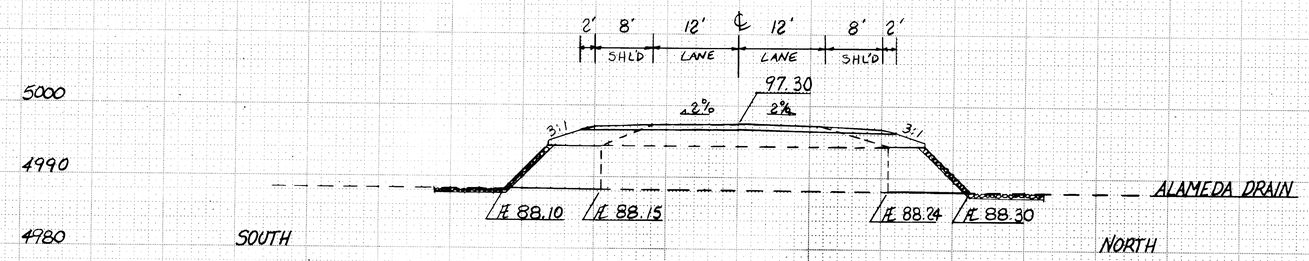
WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE NEW MEXICO

N. M. PROJECT NO. [redacted]

FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	NEW MEXICO	~~BR-DM-4096 (000)~~	19	10-3	

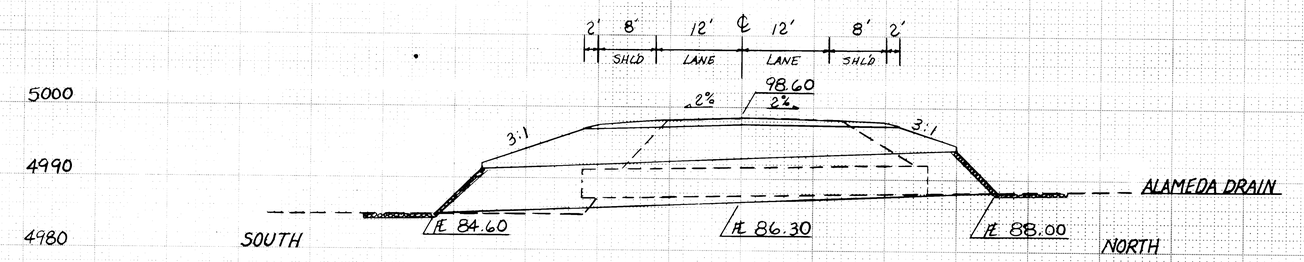
FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

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



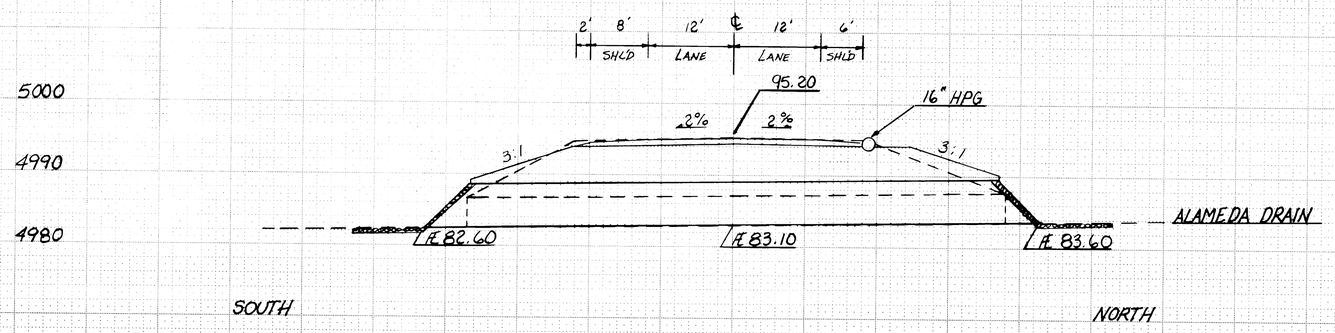
St. FRANCIS
Sta 312+68

EXTEND 1-72"x 12' NORTH & 1-72"x 14' SOUTH W/ Rip-Rap Rt. & Lt.
See Rip-Rap Detail 2-9.



HOMLAND
Sta 304+99

Build 1-72"x 78' CMP W/ Rip-Rap Rt. & Lt.
See Rip-Rap Detail Sheet 2-9.



ORTEGA
Sta 287+00

Build 1-72"x 86' CMP W/ Rip-Rap Rt. & Lt.
(Extended North for Future Widening)
See Rip-Rap Detail 2-9

70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70

C of A PWD Maps & Records
T L S 6 7 8 9 10 11 12
26 3 9 7 3 1 0 9 1

RECORD DRAWING
DATE 9-4-89
Stan J. Motto

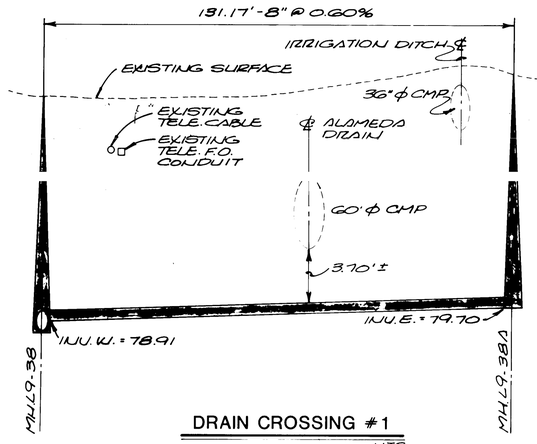
ALAMEDA DRAIN

STRUCTURE PLACEMENT

SECOND STREET

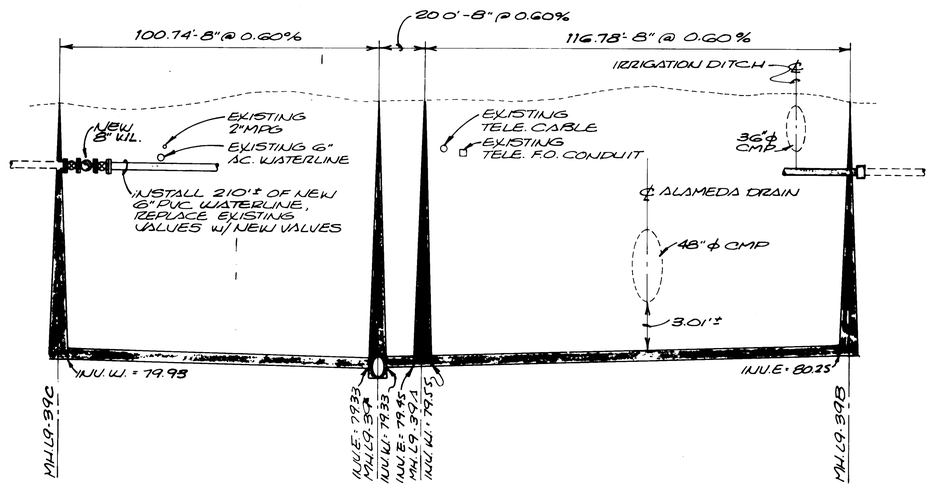
WILSON & COMPANY
ENGINEERS ARCHITECTS
ALBUQUERQUE NEW MEXICO

N. M. PROJECT NO. ~~BR-DM-4096 (000)~~ SHEET NO. 10-3



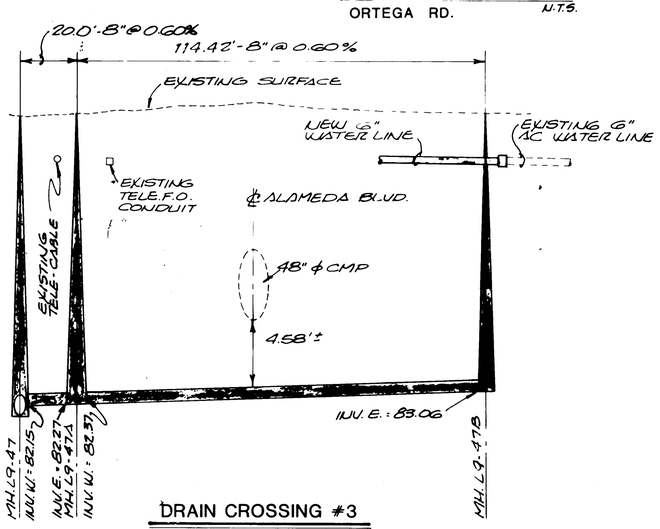
DRAIN CROSSING #1

PRIVATE DR. N.T.S.



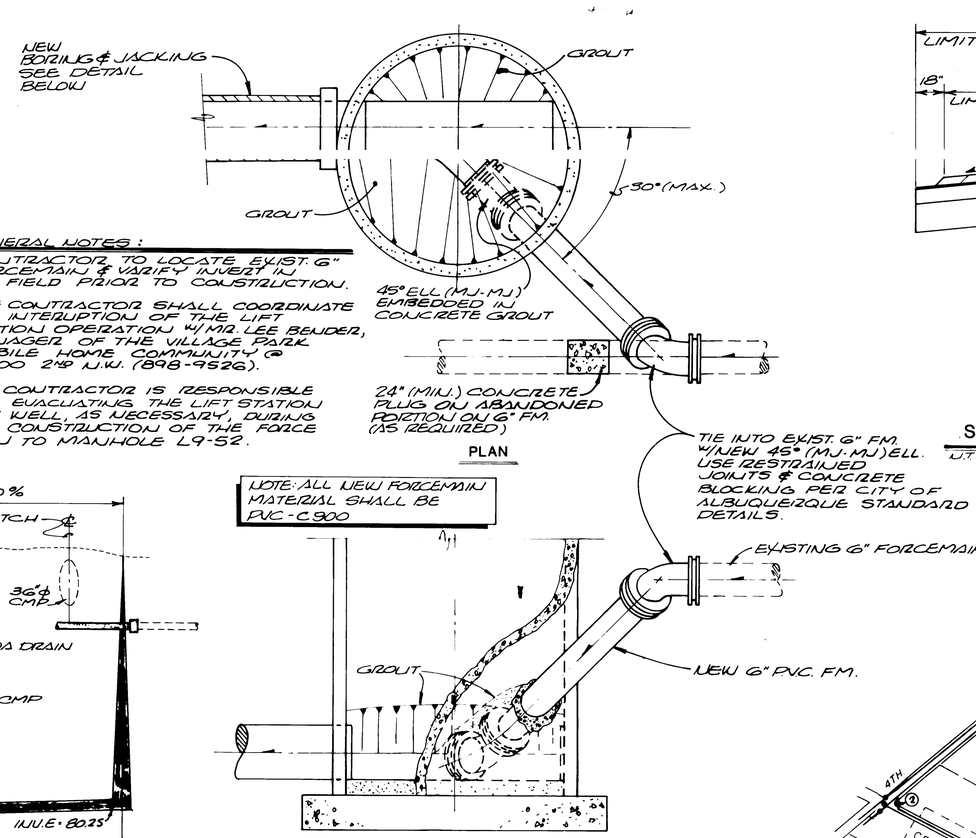
DRAIN CROSSING #2

ORTEGA RD. N.T.S.



DRAIN CROSSING #3

HOMLAND RD. N.T.S.



PLAN

NOTE: ALL NEW FORCEMAIN MATERIAL SHALL BE PVC-C900

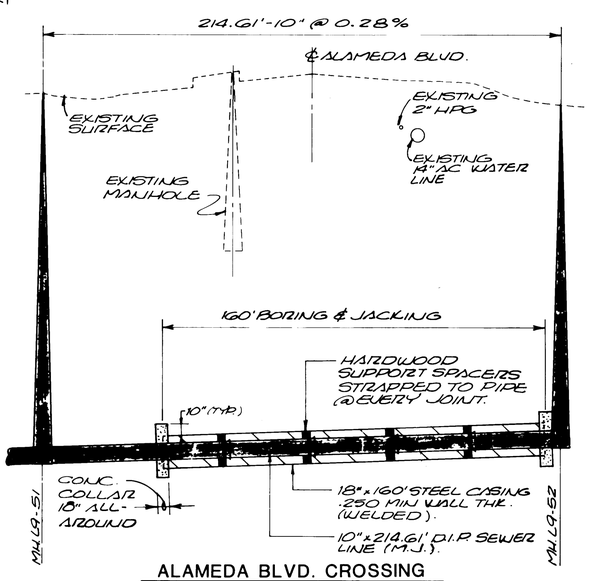
ELEVATION

MANHOLE #L9-52 DETAIL

N.T.S.

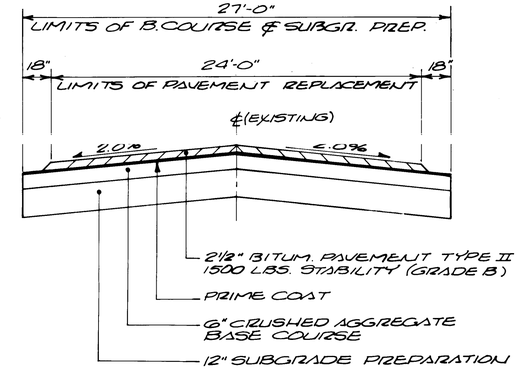
GENERAL NOTES:

1. CONTRACTOR TO LOCATE EXIST. 6" FORCEMAIN & VARIFY INVERT IN THE FIELD PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL COORDINATE THE INTERUPTION OF THE LIFT STATION OPERATION W/ MR. LEE BENDER, MANAGER OF THE VILLAGE PARK MOBILE HOME COMMUNITY @ 10200 2nd N.W. (898-9526).
3. THE CONTRACTOR IS RESPONSIBLE FOR EVACUATING THE LIFT STATION WET WELL, AS NECESSARY, DURING THE CONSTRUCTION OF THE FORCE MAIN TO MANHOLE L9-52.



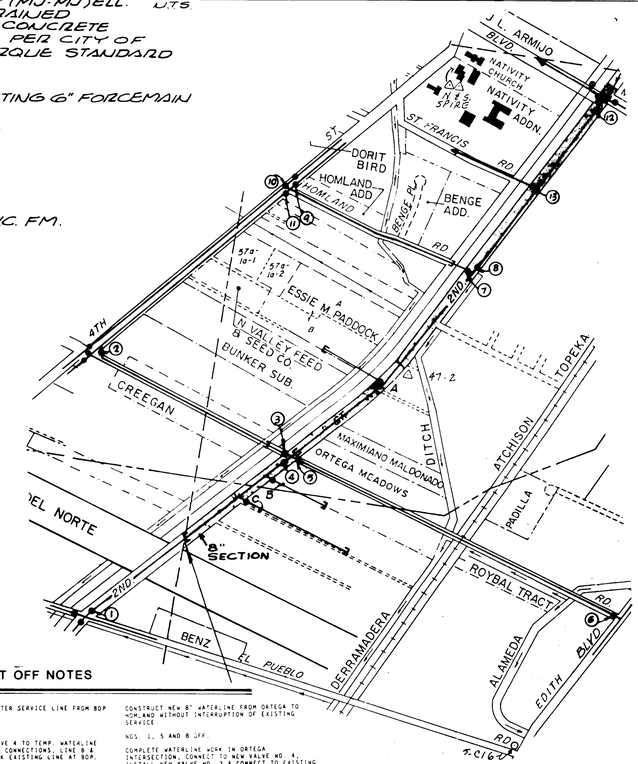
ALAMEDA BLVD. CROSSING

N.T.S.



PAVEMENT REPLACEMENT SECTION FOR ST. FRANCIS RD., HOMLAND RD., & ORTEGA RD.

N.T.S.



C of A PWD Maps & Records

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

VALVE SHUT OFF NOTES

CONSTRUCT A TEMP. WATER SERVICE LINE FROM BOP TO VALVE NO. 4.

NOS. 1 AND 4 OFF.

CONNECT EXISTING VALVE 4 TO TEMP. WATERLINE AND TRANSFER SERVICE CONNECTIONS. LINE B & LINE C. CAP AND BLOCK EXISTING LINE AT BOP.

NOS. 4 AND 1 ON.

CONSTRUCT NEW 8" WATERLINE FROM BOP TO ORTEGA ROAD. INSTALL NEW 8" VALVE (NO. 4) AT ORTEGA

NO. 1 OFF.

REMOVE CAP AND CONNECT NEW 8" LINE TO EXISTING LINE AT BOP. TRANSFER ALL SERVICE LINES. LINE B AND LINE C TO NEW LINE.

EXISTING NO. 4 OFF.

NEW NO. 4 OFF.

NO. 1 ON.

NOS. 2 AND 3 OFF.

CUT, CAP & BLOCK EXISTING 6" WATERLINE ON ORTEGA AT MRGCD WEST ROW.

NO. 2 ON.

NOS. 7, 9, 10, AND 11 OFF.

CUT, CAP & BLOCK EXISTING 6" WATERLINE ON HOMLAND AT MRGCD WEST ROW.

NOS. 9, 10 AND 11 ON.

CONSTRUCT NEW 8" WATERLINE FROM ORTEGA TO HOMLAND WITHOUT INTERRUPTION OF EXISTING SERVICE.

NOS. 1, 5 AND 8 OFF.

COMPLETE WATERLINE WORK IN ORTEGA INTERSECTION. CONNECT TO NEW VALVE NO. 4. INSTALL NEW VALVE NO. 3 & CONNECT TO EXISTING VALVE NO. 5. INSTALL NEW VALVE NO. 7 & CONNECT TO EXISTING VALVE NO. 8. TRANSFER ALL SERVICE LINES: & LINE A.

NOS. 3 AND 7 OFF.

NOS. 1, 4, 5, AND 8 ON.

NO. 2 OFF.

CONSTRUCT NEW 6" WATERLINE FROM VALVE NO. 3 TO MRGCD WEST ROW. CONNECT TO EXISTING LINE ONLY AFTER THE SANITARY SEWER & CULVERT REPLACEMENT WORK IS COMPLETE.

NOS. 2 AND 3 ON AFTER CONNECTION TO EXISTING LINE IS MADE.

NOS. 9, 10 AND 11 OFF.

CONSTRUCT NEW 6" WATERLINE FROM VALVE NO. 7 TO MRGCD WEST ROW. CONNECT TO EXISTING LINE ONLY AFTER THE SANITARY SEWER & CULVERT REPLACEMENT WORK IS COMPLETE.

NOS. 7, 9, 10 AND 11 ON AFTER CONNECTION TO EXISTING LINE IS MADE.

VALVE SHUT OFF DETAIL

N.T.S.

RECORD DRAWING 8-4-94

AS BUILT INFORMATION

CONTRACTOR J.T. Hale
WORK STAKED BY Walker DATE
RECORDS REVIEWED BY B. Smith DATE
FIELD VERIFICATIONS BY B. Smith DATE
FINAL LOCATION BY B. Smith DATE
DRAWINGS CORRECTED BY Walker DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY L. KEMPER DATE 1/88
DRAWN BY J. SPILLER DATE "
CHECKED BY L. FRIEDER DATE "

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE

MISCELLANEOUS DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	VA		Liquid Waste	[illegible]	3/29/88
Trans. Dev	VA				
Utility Dev			Water	[illegible]	3/24/88

DRAWING NO. | MAP NO. | SHEET 12 OF -7

MOLZEN-CORBIN & Associates