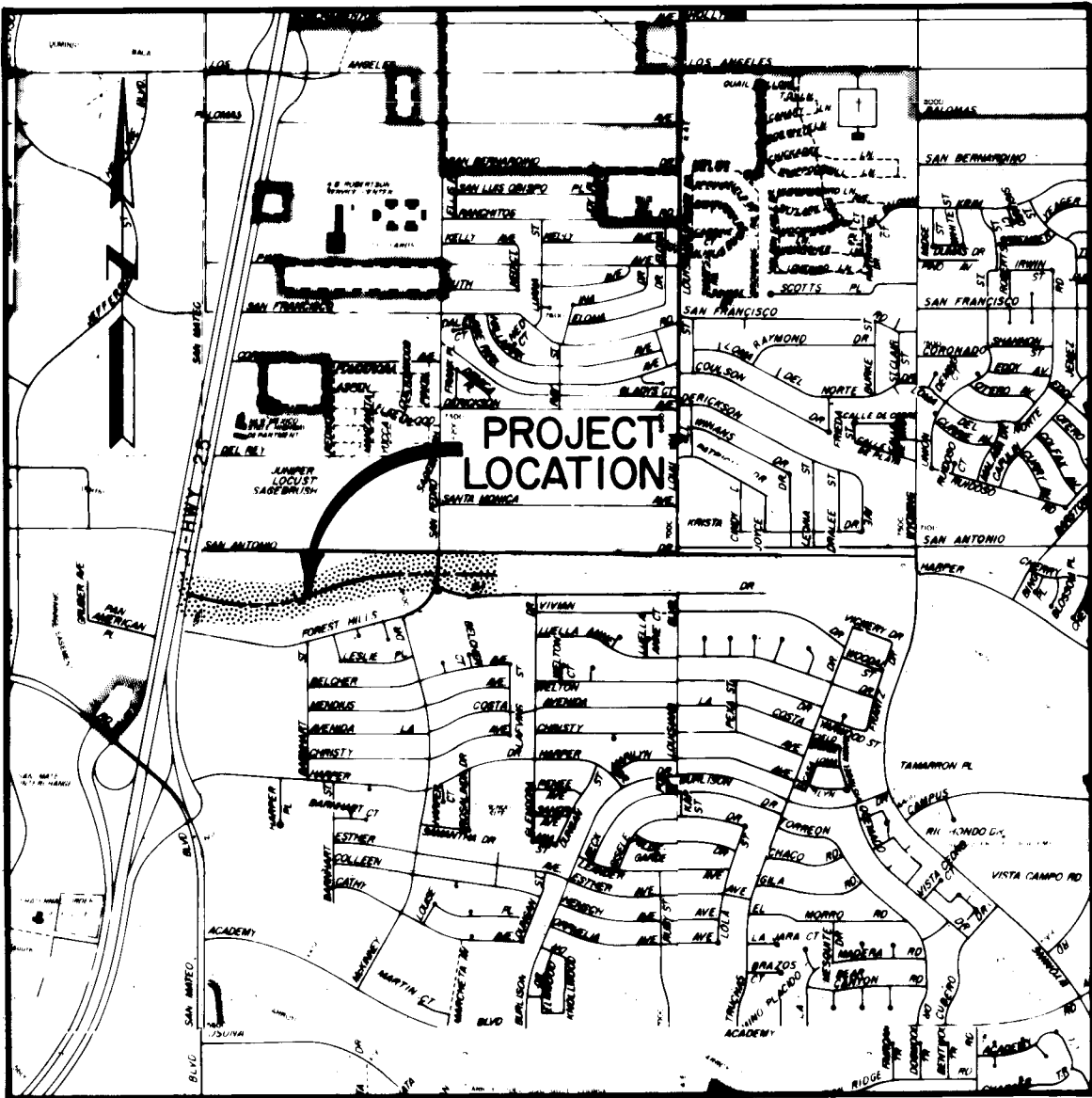


PINO ARROYO IMPROVEMENTS

PHASE II

INDEX

DESCRIPTION	SHEET NO.
TITLE SHEET	1
LAYOUT PLAN	2
ARROYO CHANNELIZATION PLAN & PROFILE	
STA 0 + 00 TO STA 10 + 00	3
STA 10 + 00 TO STA 22 + 00	4
STA 22 + 00 TO STA 34 + 00	5
STA 34 + 00 TO STA 45 + 00	6
TYPICAL CHANNEL SECTION	7
CROSSING STRUCTURE DETAILS	8
CONCRETE RETAINING WALL DETAILS	9
TRANSITION STRUCTURE RETAINING WALLS	10
CHANNEL DETAILS	11
BRIDGE FOOTING DETAILS	12
SAN PEDRO DRIVE NE - PAVING PLAN & PROFILE	13
TYPICAL STREET SECTIONS - SAN PEDRO DRIVE NE	14
SAN ANTONIO DRIVE NE - STORM DRAIN EXTENSION PLAN & PROFILE	15
McKINNEY DRIVE NE - STORM DRAIN EXTENSION PLAN & PROFILE	16
SAN PEDRO DRIVE NE - WATERLINE EXTENSION PLAN & PROFILE	17
SAN PEDRO DRIVE NE - STORM DRAIN PLAN & PROFILE	17A
TRAFFIC CONTROL DETAILS	18
TRAFFIC CONTROL DETAILS	19
TRAFFIC CONTROL DETAILS	20
PINO ARROYO CHANNEL CROSS SECTIONS	21 THROUGH 25



VICINITY MAP

GENERAL NOTES:

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION.
- REFERENCES MADE TO STANDARD DRAWINGS REFER TO CITY OF ALBUQUERQUE STANDARD DRAWINGS.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR WILL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED BY ENGINEER.
- WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED AS SHOWN.
- CONTRACTOR SHALL PROVIDE 12" SUBGRADE PREPARATION UNDER ALL NEW PAVEMENT, CURBS & GUTTERS, VALLEY GUTTERS, AND CONCRETE FILLETS.
- WHEN ABUTTING NEW PAVEMENT TO EXISTING, CUT BACK EXISTING PAVEMENT TO A NEAT STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT, AND MATCH NEW TO EXISTING. NO SEPARATE PAYMENT SHALL BE MADE FOR SUCH CUTTING OF EXISTING PAVEMENT BUT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. CUTTING OF PAVEMENT SHALL BE IN CONFORMANCE WITH THE SPECIFICATIONS.
- WHERE REMOVAL OF EXISTING CURB & GUTTER IS REQUIRED, SUCH REMOVAL SHALL BE MADE BACK TO THE NEAREST JOINT BEYOND THE REMOVAL REQUIRED.
- CURB & GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THE CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- WHEN CONSTRUCTION UNDER THIS PROJECT CONNECTS TO EXISTING IMPROVEMENTS, THE CONTRACTOR SHALL PROVIDE AN EASY RIDING CONNECTION.
- MATCH FLOWLINES OF GUTTER WHEN CONNECTING NEW CURB & GUTTER TO EXISTING.
- ALL WATER VALVE BOXES AND SEWER MANHOLES IN THE CONSTRUCTION AREA ARE TO BE ADJUSTED TO FINISH GRADE UNDER THE CONTRACT.

(SEE SHEET 2 FOR CONTINUATION OF GENERAL NOTES)

CITY OF ALBUQUERQUE
NEW MEXICO

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Russell B. Smith
DATE 9-20-89

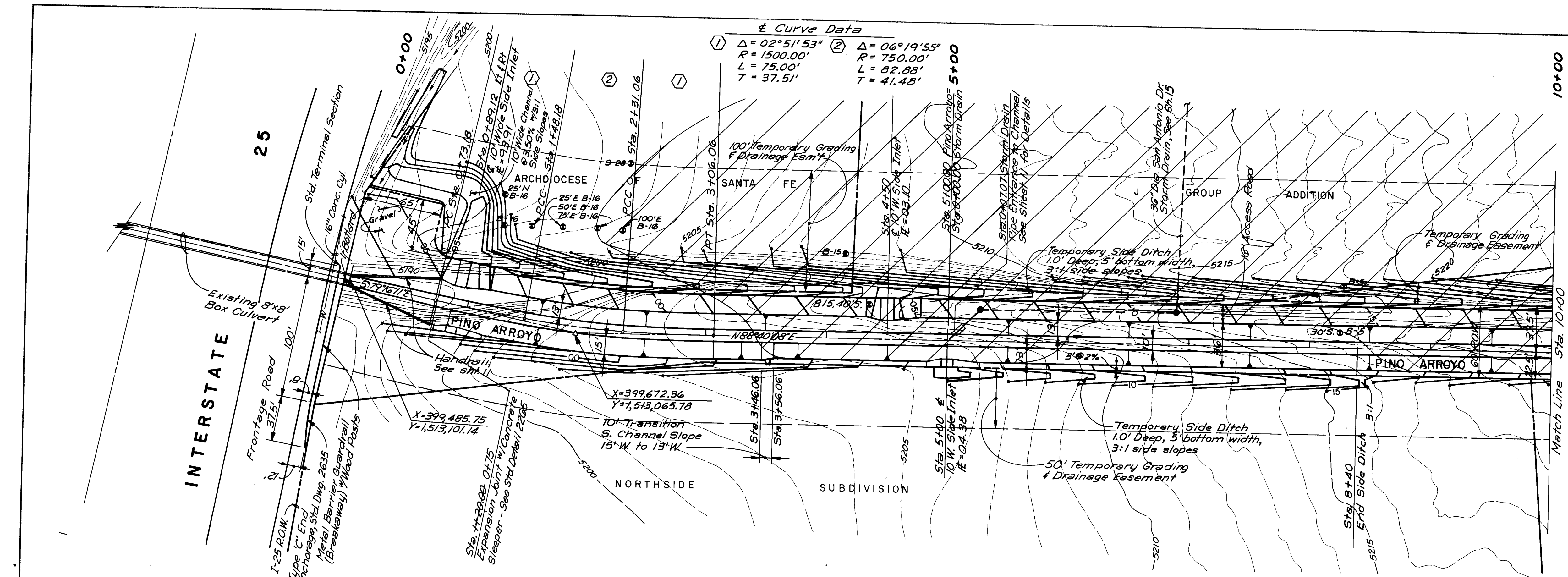
1 2 3 4 5 6 7 8 9 10 11 12
26 35 32 01 89

John A. Andrews
RECORD DRAWING

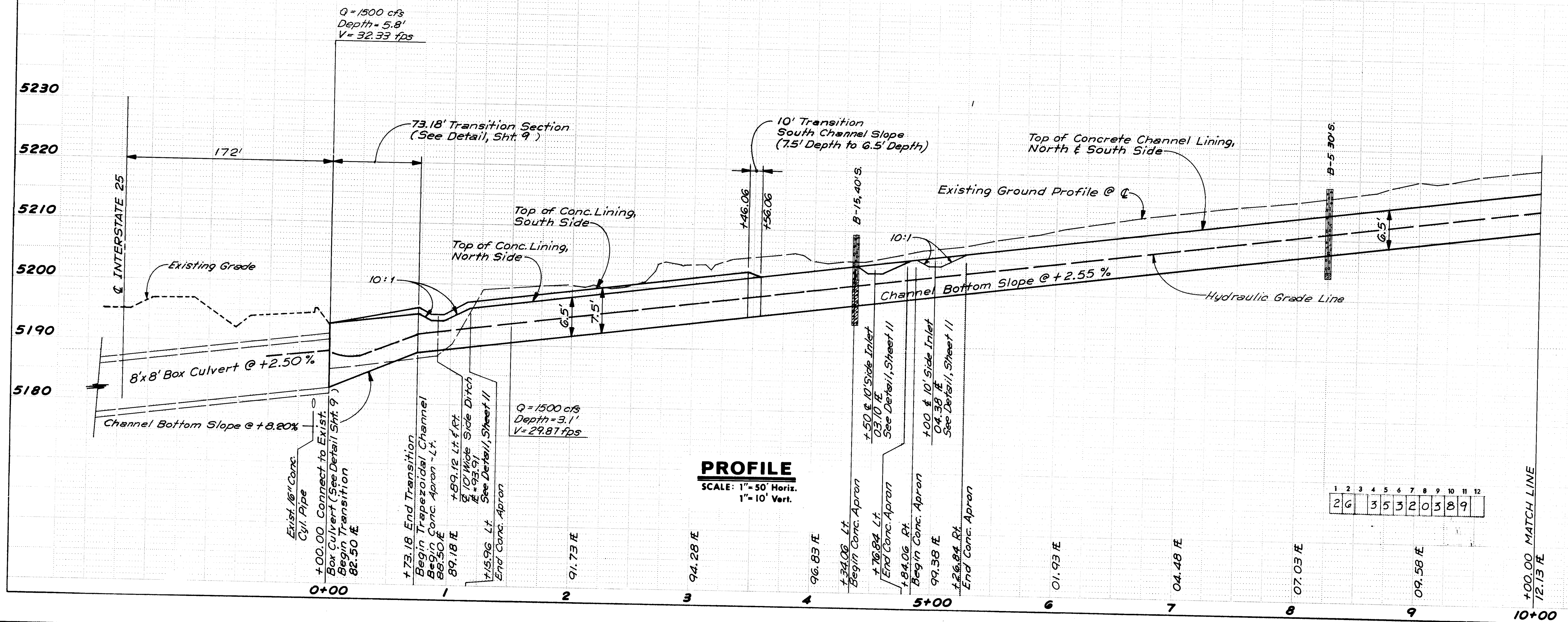
REV	SHEETS	CITY ENGR.	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
APPROVAL OF REVISIONS									

	ANDREWS, ASBURY & ROBERT, INC. CONSULTING ENGINEERS ALBUQUERQUE 78-138A NEW MEXICO	APPROVED FOR CONSTRUCTION <i>John A. Andrews</i> CITY ENGINEER DATE 9-20-89
	3532	SHEET 1 OF 25

SET NUMBER



PLAN
SCALE: 1" = 50'



PROFILE
SCALE: 1" = 50' Horiz.
1" = 10' Vert.

NOTES

- LIMITS OF LANDFILL INDICATED ON THESE PLANS ARE APPROXIMATE ONLY. CONTRACTOR SHALL EXCAVATE ALL LANDFILL MATERIAL OUTSIDE THE LIMITS OF EXCAVATION SHOWN ON THE TYPICAL SECTIONS, WHICH IN THE OPINION OF THE ENGINEER THREATENS THE INTEGRITY OF THE CHANNEL. SUCH EXCESS EXCAVATION SHALL BE BACKFILLED WITH SUITABLE MATERIAL COMPACTED TO 90% MODIFIED DENSITY. EXCESS LANDFILL EXCAVATION WILL BE MEASURED FOR PAYMENT BY THE CUBIC YARD WHICH PAYMENT SHALL INCLUDE BACKFILLING & HAULING LANDFILL MATERIAL TO DISPOSAL.
- ALL EXCAVATED LANDFILL, WHETHER WITHIN THE NORMAL LIMITS OF EXCAVATION OR WITHOUT AS DESCRIBED IN NOTE 1, SHALL BE HAULED TO A SUITABLE DISPOSAL SITE IN COMPLIANCE WITH ALL STATE & LOCAL REGULATIONS.
- ALL FLOWS, FLOW DEPTH, VELOCITIES & HYDRAULIC GRADIENTS SHOWN ON THE PROFILES ARE BASED UPON 100 YEAR FLOW CONDITIONS.

LEGEND

- Approximate Location of Sanitary Landfill
- Property Line
- Existing Ground Contour
- Finish Grade Contour
- Soil Boring Location & Number
- Street Crown Transition

SOIL BORINGS LEGEND

FINE-GRAINED SOIL		
MORE THAN 50% SMALLER THAN 200 SIEVE SIZE		
SYMBOL	DESCRIPTION	MAJOR DIVISIONS
ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY	SILTS AND CLAYS
CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS	Liquid limit less than 50
OL	ORGANIC SILTS AND INORGANIC SILTS OF LOW PLASTICITY	SILTS AND CLAYS
OH	INORGANIC SILTS; MICACEOUS OR SILTY MICACEOUS FINE SANDS OR SILTY CLAYS	Liquid limit greater than 50
CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS	SILTS AND CLAYS
PT	PEAT AND OTHER HIGHLY ORGANIC SOILS	Liquid limit greater than 50

COARSE-GRAINED SOIL		
MORE THAN 50% LARGER THAN 200 SIEVE SIZE		
SYMBOL	DESCRIPTION	MAJOR DIVISIONS
GW	WELL-GRADED GRAVELS OR GRAVELLY SAND MIXTURES, LESS THAN 5% - 200 FINES	GRAVELS
GP	POORLY GRADED GRAVELS OR GRAVELLY SAND MIXTURES, LESS THAN 5% - 200 FINES	GRAVELS
GM	SILTY GRAVELS, GRAVELLY SAND MIXTURES, MORE THAN 5% - 200 FINES	GRAVELS
GC	CLAYEY GRAVELS, GRAVELLY SAND MIXTURES, MORE THAN 5% - 200 FINES	GRAVELS
SW	WELL-GRADED SANDS OR GRAVELLY SANDS, LESS THAN 5% - 200 FINES	SANDS
SP	POORLY GRADED SANDS OR GRAVELLY SANDS, LESS THAN 5% - 200 FINES	SANDS
SM	SILTY SANDS, SAND-SILT MIXTURES, MORE THAN 12% - 200 FINES	SANDS
SC	CLAYEY SANDS, SAND-CLAY MIXTURES, MORE THAN 12% - 200 FINES	SANDS

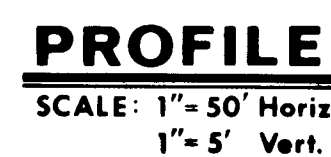
NOTE - Soils with 5 to 12 percent minus 200 fines should be classified with dual symbols

RECORD DRAWING

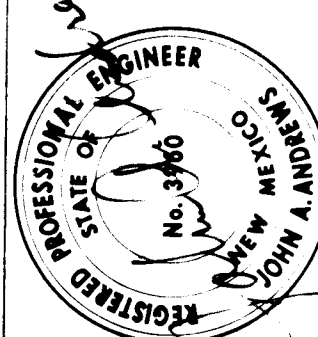
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

PINO ARROYO IMPROVEMENTS - PHASE II
ARROYO CHANNELIZATION
PLAN & PROFILE - STA. 0+00 TO STA. 10+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	John A. Anderson	1/25/89	Liquid Waste	John A. Anderson	1/25/89
A.C.E. - Design	John A. Anderson	1/25/89	Traffic	John A. Anderson	1/25/89
A.C.E. - Hydrology	John A. Anderson	1/25/89	Water	John A. Anderson	1/25/89



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

5225	John A. Andrews RECORD DRAWING	ENGINEER'S SEAL 	SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION				
5220			FIELD NOTES								
5215			NO	BY	DATE	ACS STA "12-E-18 1978"		ELEVATION 5337.039			
5210						ACS BRASS TABLET SET ON CONCRETE POST FLUSH W/GROUND		DRAWN BY A.A.F.R. DATE 8-89			
5205						LOCATED 41 FEET SOUTH OF THE CENTERLINE OF SAN ANTONIO DRIVE AND 34 FEET WEST OF THE CENTERLINE OF LOUISIANA BOULEVARD		REPLICATED BY A.A.F.R. DATE 8-89			
5200								DRAWINGS BY A.A.F.R. DATE 8-89			
5195								MICRO-FILM INFORMATION			
5190								REPRODUCED BY NO DATE			
5185											
5180											
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP											
PINO ARROYO IMPROVEMENTS - PHASE II SAN ANTONIO DRIVE NE. STORM DRAIN EXTENSION PLAN & PROFILE											
APPROVALS		ENGINEER		DATE		APPROVALS		ENGINEER		DATE	
D.R.C. Chair		John A. Andrews		1/25/89							
Engineer		John A. Andrews		1/25/89							
Utility Div.		PEBO		1/25/89							
DRAWING NO.		3532		MAP NO.		E-18, E-19		SHEET		15 OF 25	