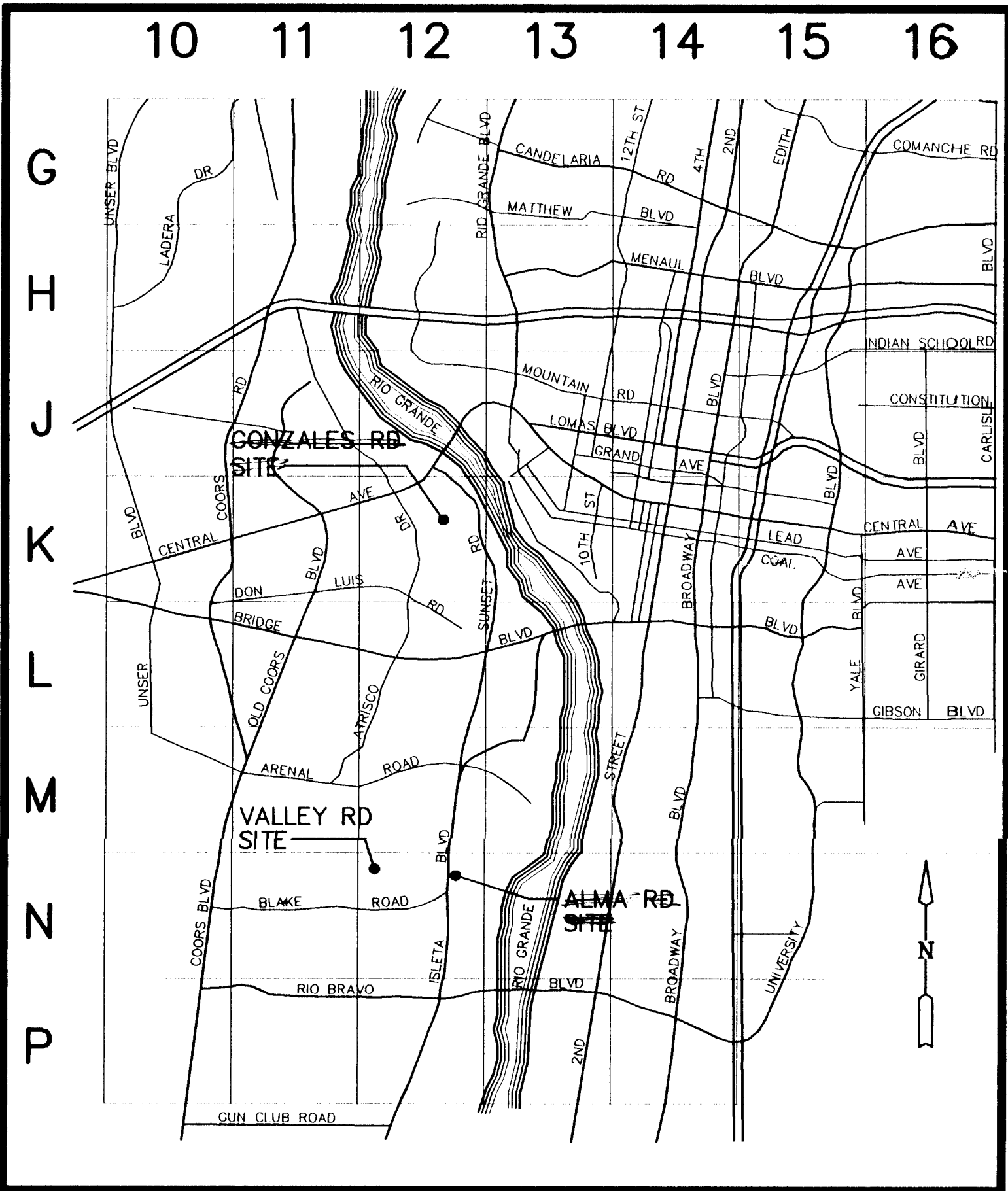


CITY OF ALBUQUERQUE
NORTH-SOUTH VALLEY
WATER AND SEWER
INFILL PROJECT
1995 - GROUP 1A



LOCATION MAP
NORTH-SOUTH VALLEY
WATER AND SEWER INFILL PROJECT
1995 - GROUP 1A
SCALE: 1" = 1 MILE

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET, INDEX OF DRAWINGS, AND LOCATION MAP
2	CIVIL ABBREVIATIONS, CIVIL LEGEND, AND GENERAL NOTES
3	ALMA RD 1500 BLOCK ALMA ROAD SW WATER PLAN AND PROFILE
4	SITE 1500 BLOCK ALMA ROAD SW SEWER PLAN AND PROFILE
5	PRIVATE DRIVES AT 1715 AND 1815 GONZALES ROAD SW WATER PLAN
6	GONZALES RD PRIVATE DRIVE AT 1715 GONZALES ROAD SW SEWER PLAN AND PROFILE
7	PRIVATE DRIVE AT 1815 GONZALES ROAD SW SEWER PLAN AND PROFILE
8R	2029 VALLEY ROAD SW WATER PLAN AND PROFILE
9R	VALLEY RD 2029 VALLEY ROAD SW WATER PLAN AND PROFILE
10R	SITE 2029 VALLEY ROAD SW SEWER PLAN AND PROFILE
11R	2029 VALLEY ROAD SW SEWER PLAN AND PROFILE
12R	DETAIL SHEET
13	DETAIL SHEET

* SHEET CONTAINS SITE VICINITY MAP
"R" DESIGNATES REDRAWN FOR RECORD PURPOSES

RECORD DRAWING
Date APR 1996
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

APPROVAL OF AS BUILT DRAWINGS
CHILE CONSTRUCTION ENGINEER
Nugent R. Co.
DATE 11-18-96

LEEDSHILL-HERKENHOFF, INC
500 Copper Avenue NW
P.O. Box 1217
Albuquerque, NM 87103
(505)247-0294

REV.	SHEET	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC Chairman			APPROVED FOR CONSTRUCTION		
		Transportation					
		Water/Wastewater					
		Hydrology					
		Parks					
		Const. Mngmt.			City Engineer Date		
		City Project No.	4956-90	Sheet 1	Of 13		

26-4956.90 0197

CIVIL LEGEND

EXISTING	PROPOSED	
NA	④	CONTROL POINT
NA	Ⓢ	CONSTRUCTION NOTE S — SEWER W — WATER
---W---10"DIP	---W---4"PVC	WATER LINE, SIZE, AND MATERIAL
NA	---W---4"PVC	WATER LINE, SHOWN ON SEWER SHEET FOR REFERENCE ONLY, DESIGN SHOWN ON WATER SHEET
---G---1"HP	NA	GAS LINE, SIZE, AND CLASS
---E---	NA	ELECTRIC LINE
---SAS---8"VCP	---SAS---8"PVC	SANITARY SEWER LINE, SIZE, AND MATERIAL
NA	---W---4"PVC	SANITARY SEWER LINE, SHOWN ON WATER SHEET FOR REFERENCE ONLY, DESIGN SHOWN ON SEWER SHEET
-----	-----	FLOW LINE
NA		SLOPE
### SSMH	●	SANITARY SEWER MANHOLE W/ C.O.A. I.D. NO. ON EXISTING
###	⋈	VALVE W/ C.O.A. I.D. NO. ON EXISTING
###	⋈	FIRE HYDRANT W/ C.O.A. I.D. NO. ON EXISTING
NA	○	CLEAN OUT
○-PP	NA	POWER POLE
→	NA	GUY WIRE
	NA	BUILDING
---x---	NA	FENCE
NA	—	SAS SERVICE
NA	—■	WATER SERVICE
NA	—■	DOUBLE WATER SERVICE
---	---	EASEMENT LINES
---	NA	PROPERTY LINES
NA	ⓑ	NEW WATER VALVE ID
		PAVEMENT

CIVIL ABBREVIATIONS

△	ANGLE
⋈	CENTERLINE
AC	ASPHALTIC CONCRETE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BOT	BOTTOM
COA	CITY OF ALBUQUERQUE
DB	DEPTH OF BURY TO TOP OF PIPE
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DR	DIMENSION RATIO
EL	ELEVATION
EW	EACH WAY
FF	FINISHED FLOOR
FG	FINISHED GRADE
FL	FLOW LINE
HORIZ	HORIZONTAL
HP	HIGH PRESSURE
INV	INVERT
L	LENGTH
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MON	MONUMENT
NA	NOT APPLICABLE
NAVD	NORTH AMERICAN VERTICAL DATUM
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPP	OPPOSITE
PI	POINT OF INTERSECTION
PS	PROFESSIONAL SURVEYOR
REBAR	REINFORCEMENT BAR
RT	RIGHT
SAS	SANITARY SEWER
SDR	STANDARD DIMENSION RATIO
SLD	SEA LEVEL DATUM
STA	STATION
TP	TOP OF PIPE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
WL	WATER LINE
W	WATER

GENERAL NOTES

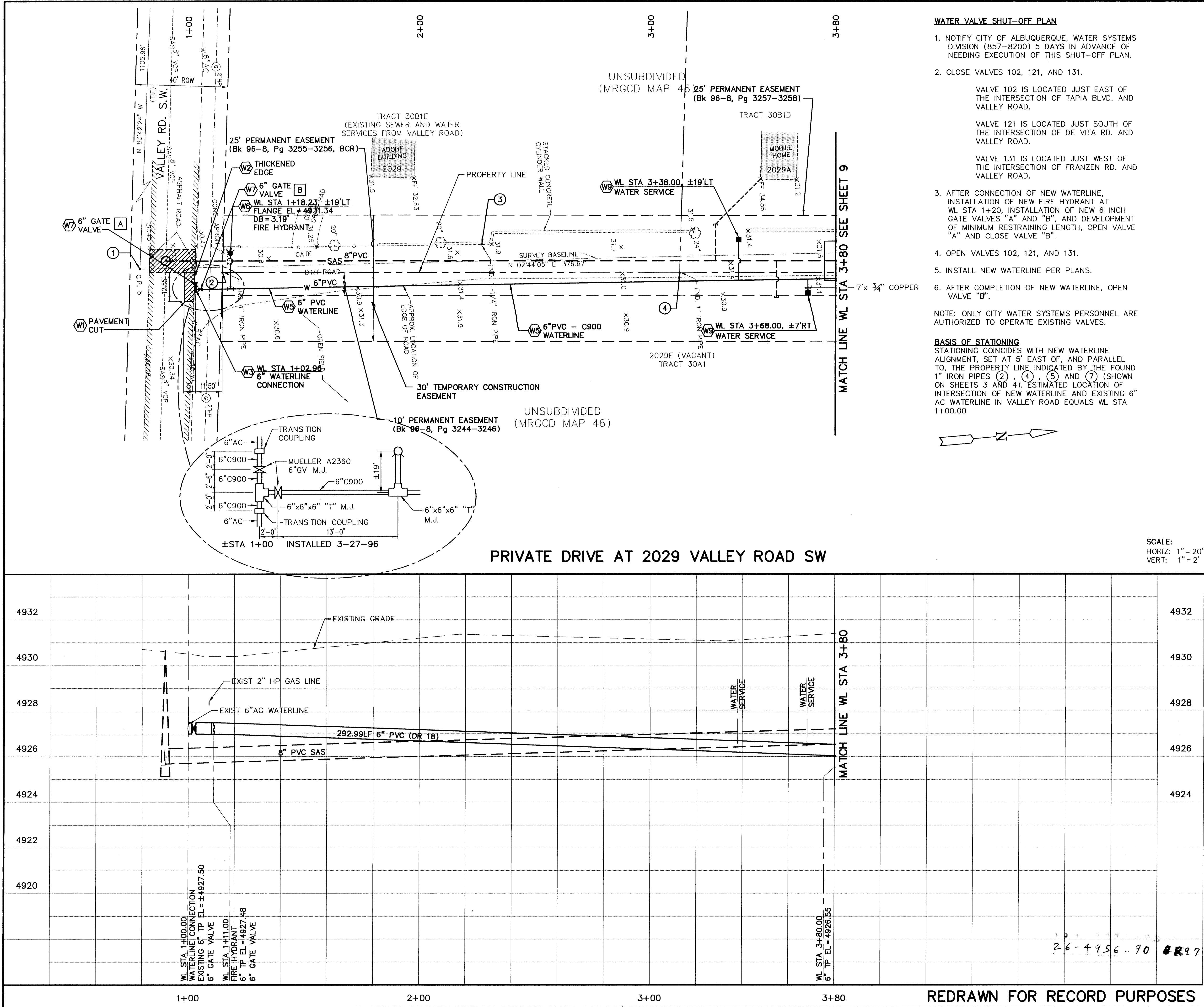
- G1 THE BEARINGS SHOWN ARE GRID, BASED ON THE NEW MEXICO COORDINATE SYSTEM, CENTRAL ZONE. DISTANCES SHOWN ARE GROUND. COMBINED SEA LEVEL AND GRID FACTOR IS 0.99976. ELEVATIONS ARE SLD 1929 DATUM.
- G2 THE RIGHT-OF-WAY LINES, EASEMENT LINES, AND PROPERTY BOUNDARY LINES SHOWN HEREIN ARE NOT BASED ON BOUNDARY SURVEYS. THEY WERE DEVELOPED BY REFERENCING RECORDED AND UNRECORDED MAPS AND FITTING THE MAPS TO FIELD CONDITIONS. APPARENT PROPERTY CORNER MONUMENTS ARE SHOWN FOR ORIENTATION ONLY.
- G3 ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CITY OF ALBUQUERQUE CONTRACT, SHALL (EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON) BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION — 1986 EDITION, INCLUDING ANY AMMENDMENTS ISSUED PRIOR TO BIDDING (REFERRED TO HEREIN AS THE C.O.A. STD. SPECS.).
- G4 TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT "NEW MEXICO ONE CALL", (505)260-1990, FOR LOCATION OF EXISTING UTILITIES.
- G5 THE LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON WERE DEVELOPED FROM RECORD DRAWINGS AND ARE APPROXIMATE.
- G6 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 ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
- G7 NUMBERING OF EXISTING WATER VALVES, FIRE HYDRANTS AND SEWER MANHOLES IS PER C.O.A. AUTOMATED WATER AND SEWER DISTRIBUTION SECTIONAL MAPS.
- G8 THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION TRAFFIC CONTROL UNLESS A SPECIFIC TRAFFIC CONTROL PLAN IS PROVIDED FOR THE PROPOSED WORK. THE CONTRACTOR SHALL SUBMIT A BARACADING PLAN FOR APPROVAL AT LEAST SEVEN (3) WORKING DAYS PRIOR TO CONSTRUCTION. THE TRAFFIC CONTROL FOR THESE PROJECTS SHALL MEET THE REQUIREMENTS SET FORTH IN "BERNALILLO COUNTY BARRICADING AND TRAFFIC CONTROL DEVICES ORDINANCE" (95-12). PERMITS MAY BE REQUIRED. CONTACT THE COUNTY TRAFFIC ENGINEERING MANAGER'S OFFICE FOR APPROVAL, (505)848-1543.
- G9 THE CONTRACTOR SHALL PROVIDE FOR AND PERMIT ACCESS TO EACH PROPERTY FRONTING ON EACH CONSTRUCTION SITE AT ALL TIMES.
- G10 PAVEMENT CUT DIMENSIONS ARE ENGINEER'S ESTIMATE. TO BE USED FOR ESTIMATING PURPOSES ONLY.
- G11 WATER SHUTOFF MUST BE COORDINATED WITH "CITY WATER SYSTEMS", (505)857-8200, AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION. VALVES MAY ONLY BE OPERATED BY CITY PERSONNEL.

RECORD DRAWING

Date APR 1996
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LEEDSHILL-HERKENHOFF, INC.
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(505)247-0294

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: NORTH-SOUTH VALLEY WATER AND SEWER INFILL PROJECT 1995 GROUP 1A CIVIL ABBREVIATIONS, CIVIL LEGEND, AND GENERAL NOTES			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	
Last Design Update			
City Project No.	Zone Map No.	Sheet	Of
4956-90	-	2	13



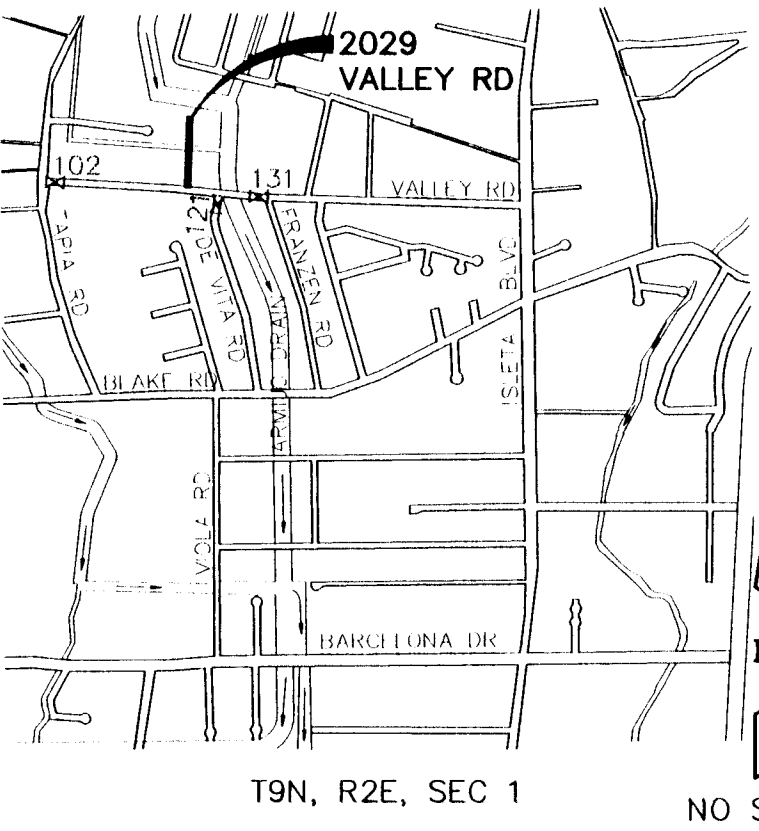
- WATER VALVE SHUT-OFF PLAN**
1. NOTIFY CITY OF ALBUQUERQUE, WATER SYSTEMS DIVISION (857-8200) 5 DAYS IN ADVANCE OF NEEDING EXECUTION OF THIS SHUT-OFF PLAN.
 2. CLOSE VALVES 102, 121, AND 131.
- VALVE 102 IS LOCATED JUST EAST OF THE INTERSECTION OF TAPIA BLVD. AND VALLEY ROAD.
- VALVE 121 IS LOCATED JUST SOUTH OF THE INTERSECTION OF DE VITA RD. AND VALLEY ROAD.
- VALVE 131 IS LOCATED JUST WEST OF THE INTERSECTION OF FRANZEN RD. AND VALLEY ROAD.
3. AFTER CONNECTION OF NEW WATERLINE, INSTALLATION OF NEW FIRE HYDRANT AT WL STA 1+20, INSTALLATION OF NEW 6 INCH GATE VALVES "A" AND "B", AND DEVELOPMENT OF MINIMUM RESTRAINING LENGTH, OPEN VALVE "A" AND CLOSE VALVE "B".
 4. OPEN VALVES 102, 121, AND 131.
 5. INSTALL NEW WATERLINE PER PLANS.
 6. AFTER COMPLETION OF NEW WATERLINE, OPEN VALVE "B".
- NOTE: ONLY CITY WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE EXISTING VALVES.

BASIS OF STATIONING
STATIONING COINCIDES WITH NEW WATERLINE ALIGNMENT, SET AT 5' EAST OF, AND PARALLEL TO, THE PROPERTY LINE INDICATED BY THE FOUND 1" IRON PIPES (2), (4), (5) AND (7) (SHOWN ON SHEETS 3 AND 4). ESTIMATED LOCATION OF INTERSECTION OF NEW WATERLINE AND EXISTING 6" AC WATERLINE IN VALLEY ROAD EQUALS WL STA 1+00.00

CONSTRUCTION NOTES

- W1 PAVEMENT CUT - SAWCUT, REMOVE, AND REPLACE EXISTING A.C. PAVEMENT AS SHOWN. (C.O.A. STD. DWG. 2465)
- W2 THICKENED EDGE - CONSTRUCT THICKENED EXTERIOR EDGE WHEN REPLACING ROADWAY A.C. PAVEMENT. SEE SHEET 12, DETAIL 1.
- W3 6" WATERLINE CONNECTION - CONNECT 6 IN. PVC WATERLINE TO EXISTING 6 IN. AC WATERLINE. PROVIDE THRUST RESISTANCE WITH RESTRAINED JOINTS, 4 FT. MINIMUM BOTH DIRECTIONS ON RUN PIPE AND 30 FT. MINIMUM ON BRANCH PIPE. (C.O.A. STD. DWG. 2301)
- W5 6" PVC WATERLINE - EXCAVATE TRENCH. CONSTRUCT PIPE BEDDING, AND PLACE 6 IN. PVC (DR 18) WATERLINE, BACKFILL TRENCH AND MATCH EXISTING DIRT SURFACE. SEE SHEET 12, DETAIL 2.
- W6 FIRE HYDRANT - INSTALL FIRE HYDRANT AT LOCATION SHOWN. (C.O.A. STD. DWG. 2340) PROVIDE RESTRAINED JOINT AT TEE FOR BRANCH.
- W7 GATE VALVE - INSTALL 6 IN. GATE VALVE IN TYPE "B" BOX. (C.O.A. STD. DWG. 2326)
- W8 DEFLECT PIPE - DEFLECT PIPE TO CONFORM TO SHOWN ALIGNMENT. PROVIDE THRUST RESISTANCE WITH CONSTRAINED JOINTS, 9 FT. MINIMUM BOTH DIRECTIONS FROM ANGLE PT. (MANUFACTURE'S INSTRUCTIONS)
- W9 WATER SERVICE - INSTALL A 3/4 IN. METERED WATER SERVICE LINE AS SHOWN. (C.O.A. STD. DWG. 2361 - CASE 5, AND STD. DWG. 2366)

CONTROL POINT COORDINATE TABLE			
PT	POINT DESCRIPTION	NORTHING	EASTING
1	PK W/ SHINER	1470799.17	369152.66
2	1" IRON PIPE	1470834.68	369156.65
3	1 1/2" IRON PIPE	1470947.53	369152.38
4	1" IRON PIPE	1471032.09	369170.89



RECORD DRAWING
Date: **APRIL 1998**
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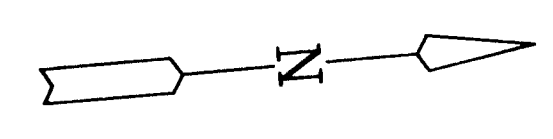
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NORTH-SOUTH VALLEY WATER AND SEWER INFILL PROJECT 1995 GROUP 1A
PRIVATE DRIVE AT 2029 VALLEY ROAD SW
WATER PLAN AND PROFILE

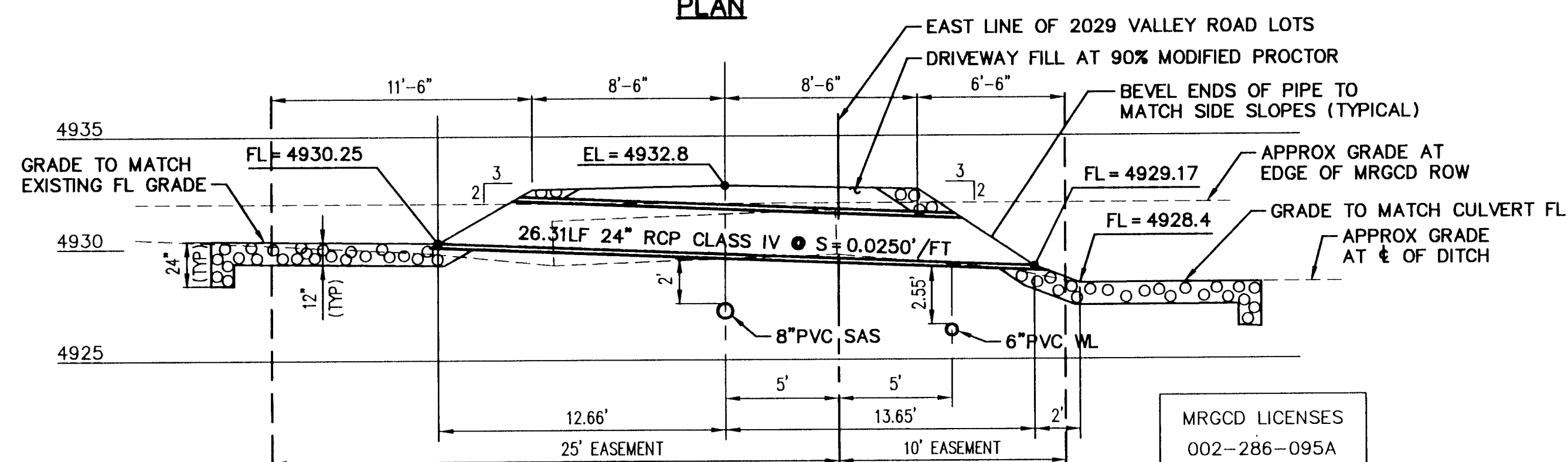
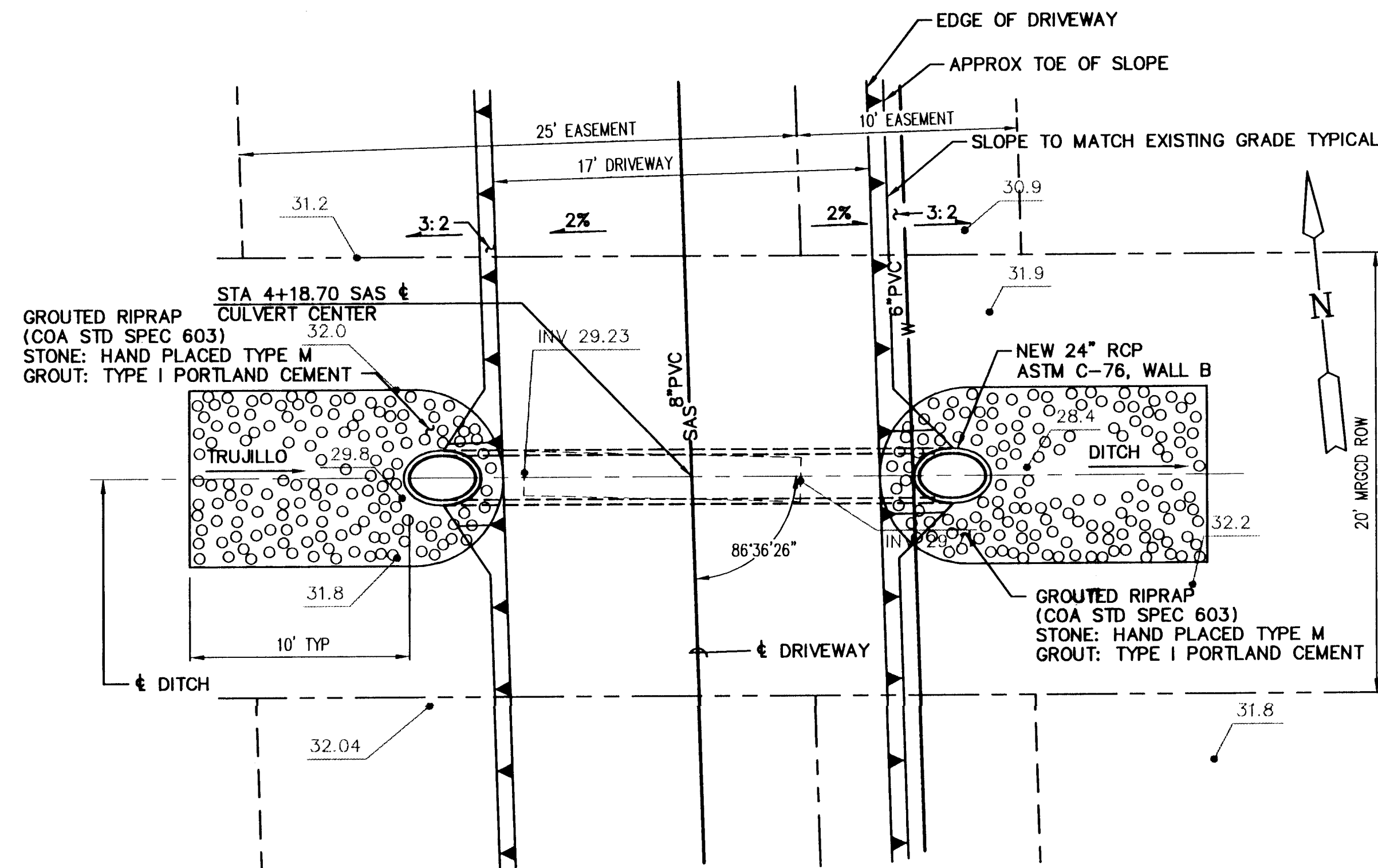
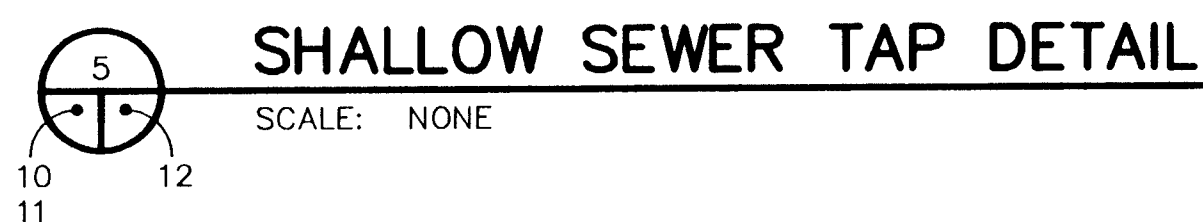
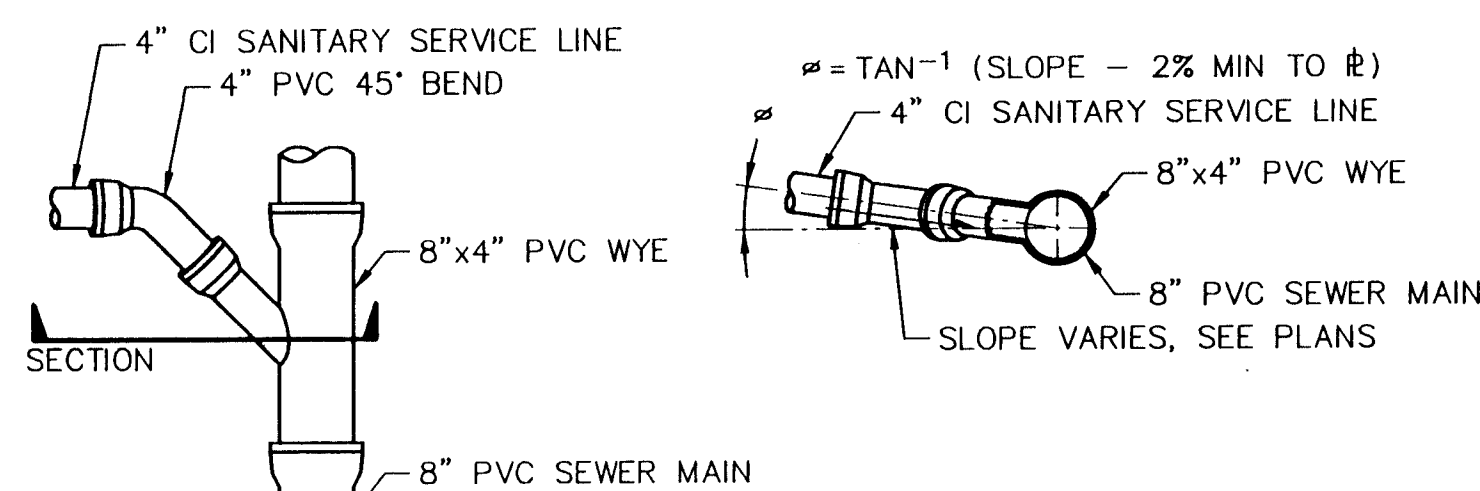
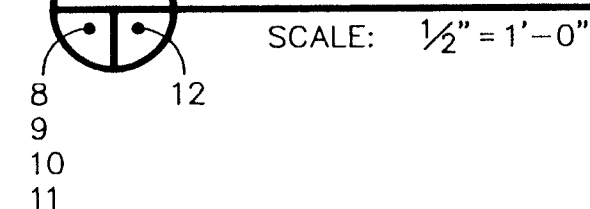
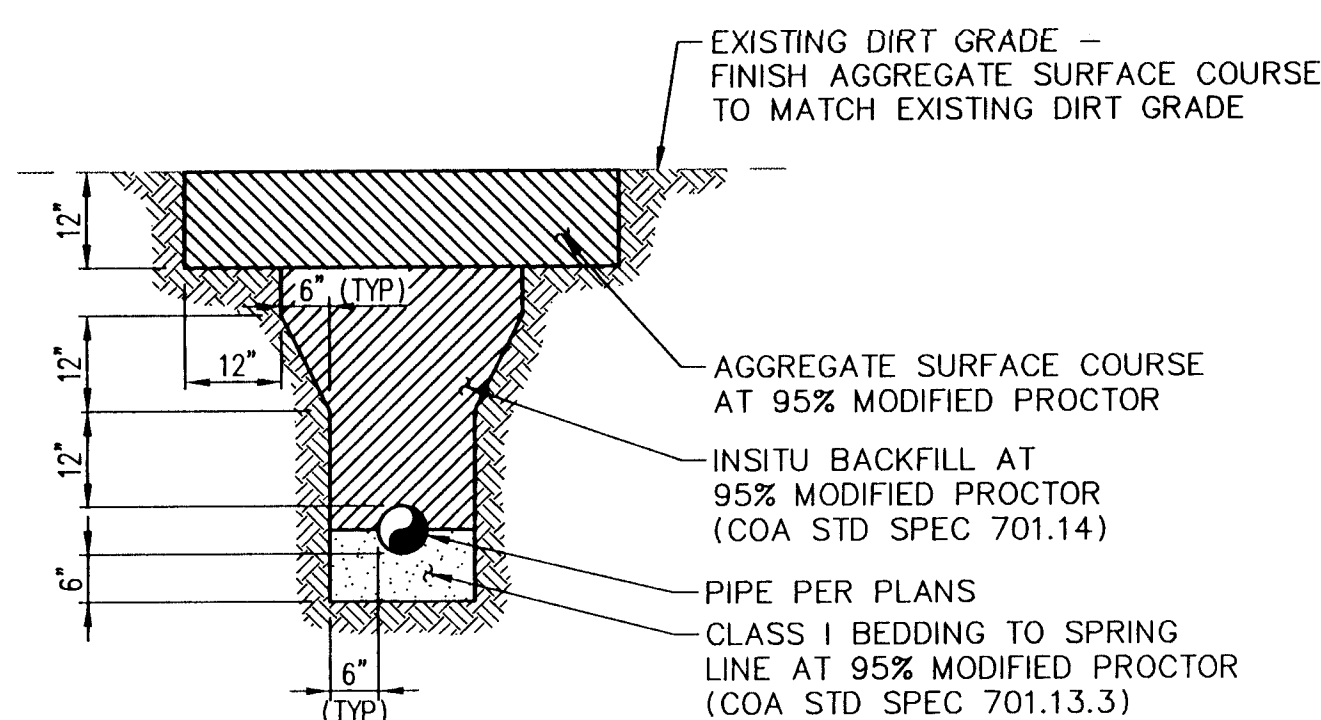
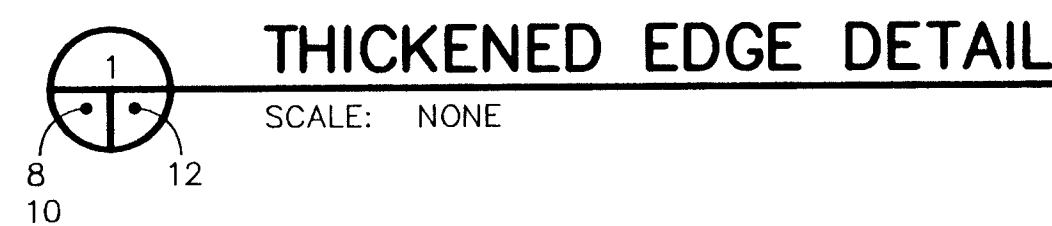
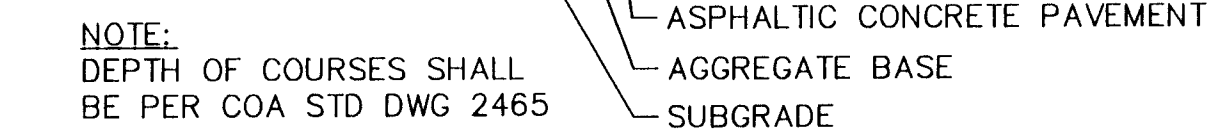
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. **4956-90** Zone Map No. **N-12** Sheet **8R** Of **13**

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	MCC, INC.	BASIS OF COORDINATES FOR THIS SITE	ARE CITY OF ALBUQUERQUE CONTROL	FIELD NOTES	DATE	BY	NO.
WORKS BY	ALBO, SURVEY DATE	STATIONS	"13-N12A" AND "13-N12A AZ.				
INSPECTOR'S	ACCEPTANCE BY D. BOVIN DATE 4-17-98	MARK					
VERIFICATION	BY D. BOVIN DATE 4-10-98	BASIS OF ELEVATIONS FOR THIS SITE	ARE CITY OF ALBUQUERQUE BENCH				
REVISIONS	CORRECTED BY V.R. VICENT DATE 4-23-98	ARE CITY OF ALBUQUERQUE BENCH	MARK: "13-N12B" ELEVATION = 4933.15				
MICRO-FILM INFORMATION							
RECORDED BY	DATE						
NO.							



20/94039_16\DWG\C\1\VALW-R/5-3-96/KHK



- 1 ANY WORK TO BE PERFORMED WITHIN THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT RIGHT-OF-WAY SHALL BE COORDINATED WITH THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (MRGCD); ENGINEERING DEPARTMENT AT 247-0234.
- 2 NO WORK IS TO BE DONE ON FACILITIES OR STRUCTURES BELONGING TO, OR OPERATED BY, THE MRGCD BETWEEN MARCH 1 AND OCTOBER 31 INCLUSIVE. HOWEVER, WORK MAY BE PERMITTED BY THE MRGCD IF IT CAN BE SHOWN THAT THE WORK WILL NOT INTERFERE WITH OPERATIONS OF THE MRGCD FACILITY. ALL WORK TO BE DONE WITHIN THE MRGCD FACILITIES MUST BE APPROVED BY THE MRGCD ENGINEER PRIOR TO COMMENCING WORK.
- 3 THE CONTRACTOR SHALL NOT STORE EQUIPMENT, NEW MATERIALS OR DEBRIS WITHIN DISTRICT RIGHT-OF-WAY WHICH MAY INTERFERE WITH OPERATIONS AND MAINTENANCE OF THE MRGCD FACILITY.
- 4 THE CONTRACTOR SHALL NOT SERVICE VEHICLES OR EQUIPMENT WITHIN THE MRGCD RIGHT-OF-WAY.
- 5 SEEDING OF DISTURBED AREAS WITHIN MRGCD RIGHT-OF-WAYS IS REQUIRED PER THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT "NATIVE GRASS SEEDING SPECIFICATION", SECTION 1012. DITCH SIDE SLOPES THAT ARE DISTURBED BY THE CONTRACTOR SHALL BE SEEDDED WITH "HULLED BERMUDA" SEED AT A RATE OF FOUR (4) POUNDS PER 1000 SQ FT, WITH A 1/4" THICK PEAT MOSS COVERING.
- 6 THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND/OR REPLACEMENT OF DAMAGED STRUCTURE/STRUCTURES WITHIN DISTRICT RIGHTS-OF-WAY THAT MAY OCCUR DUE TO THE CONTRACTORS ACTIVITIES.
- 7 ALL SALVAGEABLE CULVERTS, IRRIGATION GATES, ETC. MUST BE RETURNED TO THE DISTRICT.
- 8 THE CONTRACTOR IS RESPONSIBLE FOR EXECUTING A SPECIAL USE LICENSE AGREEMENT WITH THE MRGCD PRIOR TO CONSTRUCTION.

26-4956-9012R97

RECORD DRAWING
Date APRIL 1996
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NORTH-SOUTH VALLEY WATER AND SEWER INFILL PROJECT 1995 GROUP 1A

DETAIL SHEET							
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.			
City Project No.	4956-90	Zone Map No.	-	Sheet	Of	12R	13

REDRAWN FOR RECORD PURPOSES

4956-90

12R 13