

PLANS FOR CONSTRUCTION OF
OURAY ROAD NW
STREET IMPROVEMENTS

ALBUQUERQUE, NEW MEXICO

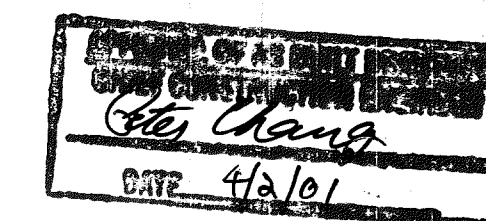
MARCH, 1998

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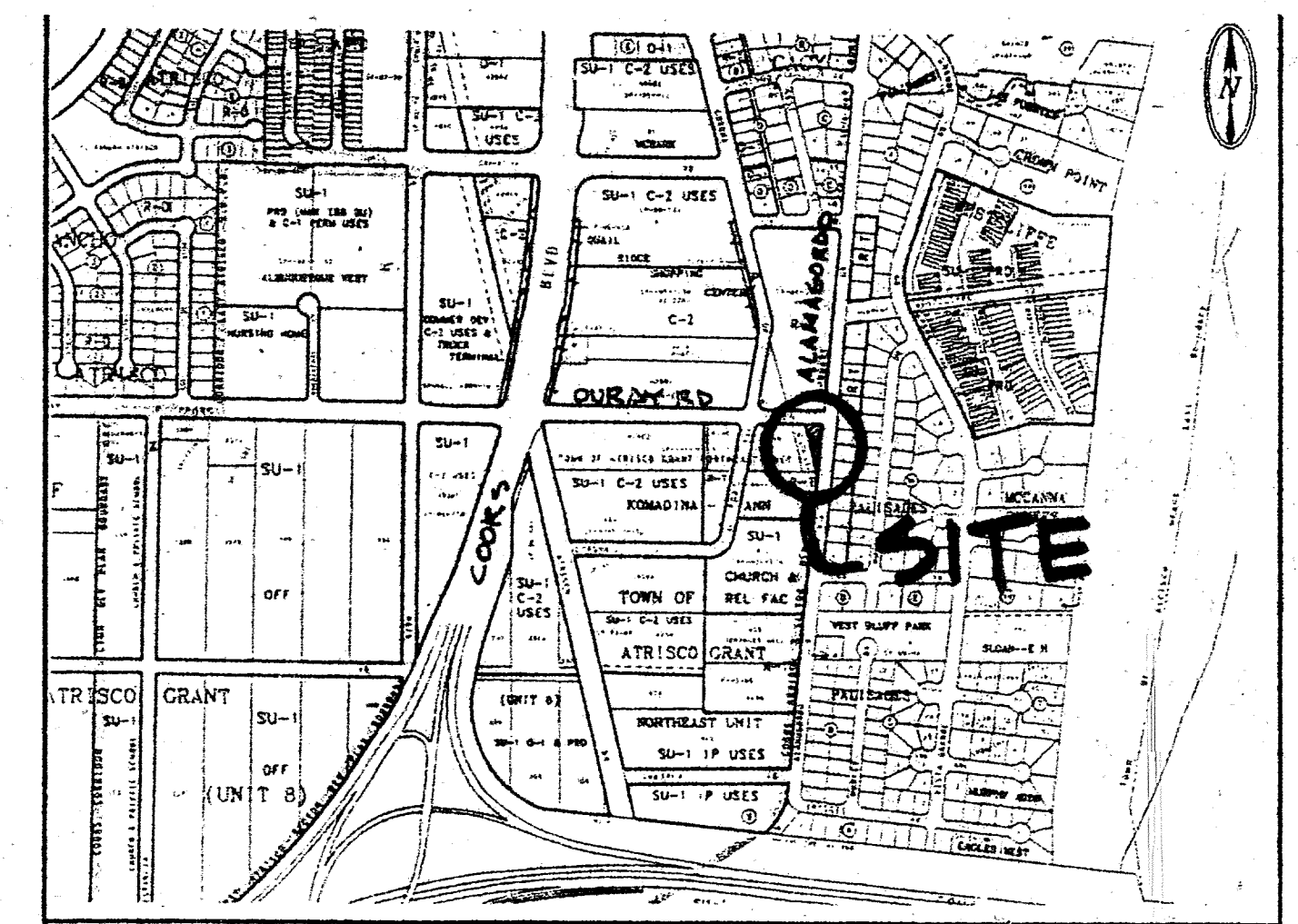
THESE DRAWINGS DO NOT INCLUDE NECESSARY
COMPONENTS FOR THE CONSTRUCTION SAFETY WHICH
SHALL REMAIN THE RESPONSIBILITY OF THE
CONTRACTOR

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS
INSTRUMENT ARE OWNED BY AND THE PROPERTY OF BRASHER & LORENZ, INC., AND
WERE CREATED AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED
PROJECT. THESE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL NOT BE USED BY ANY
PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN
CONSENT OF BRASHER & LORENZ, INC.



DRB 93-396

BL BRASHER & LORENZ, INC.
Consulting Engineers
2201 San Pedro NE Building 1, Suite 210
Albuquerque, New Mexico 87110
Ph 505-888-6688 Fax 505-688-6188



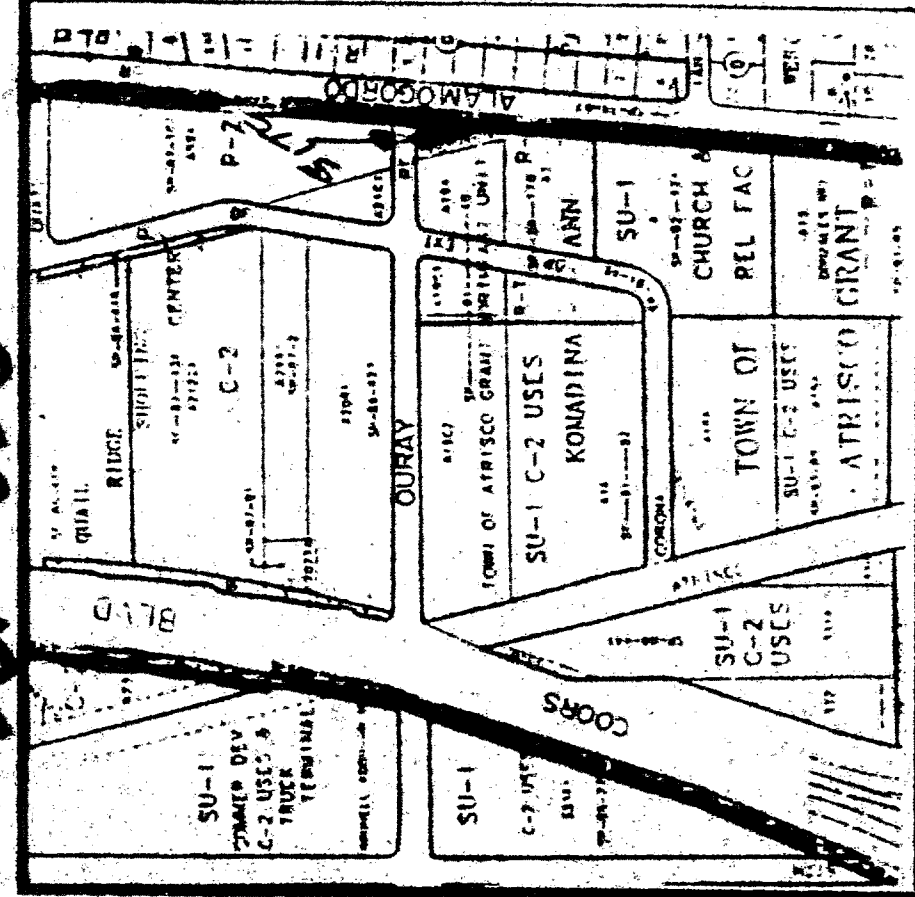
VICINITY MAP: H-11 SCALE: 1"=750'

GENERAL NOTES:

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER 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" (COA STDN). THROUGH UPDATE NO. 6.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, 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 SHALL NOTIFY THE ENGINEER OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL INFORM HIMSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY HIS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- THE CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE OWNERS FOR THE PREPARATION OF "RECORD DRAWINGS". THE CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- REFERENCE MADE TO STANDARD DRAWINGS REFER TO ALBUQUERQUE STANDARD DRAWINGS.
- ELECTRONIC MARKER DISCS SHALL BE PLACED IN ACCORDANCE WITH SECTION 170 OF THE CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS, PUBLIC WORKS CONSTRUCTION.
- WATERLINE CONNECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY STD. DWG. 2301.
- WATER METERS ARE TO BE INSTALLED AT ALL SERVICES IN ACCORDANCE WITH CITY STD. DWG. 2362 AND 2363.
- ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY OR EASEMENTS MUST BE DONE FROM APPROVED WORK ORDER DOCUMENTS FROM THE CITY OF ALBUQUERQUE AND PREPARED BY BRASHER & LORENZ, INC.
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING, IN ADVANCE OF HIS CONSTRUCTION, 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 OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR IS TO SUPPORT AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC CABLES, AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST TO THE OWNER. CABLE IS TO BE SUPPORTED EVERY 15' (MINIMUM). CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT (IF ANY) TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. THE CONTRACTOR SHALL NOTIFY THE BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED ON THE PLANSET.
- ANY WORK OCCURRING IN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR (24) HOUR CONSTRUCTION.

REV.	SHEETS	CITY	ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE		*****		
		ORC Chairman		S. J. Chong		5-14-98		APPROVED FOR CONSTRUCTION		
		Transportation		S. J. Chong		4-24-98		11/23/99		
		Water/Wastewater		R. W. Kane		4-2-98				
		Hydrology		S. J. Chong		4-2-98				
		PIC		S. J. Chong		4-2-98				
Constr. Mngmt.										
Const. Coord.		S. J. Chong		6-2-98						
CITY PROJECT NO.		5180.90		SHEET		OF				
								1 5		

07-100



VICINITY MAP N1S
ZONE ATLAS PAGE N-11
TALOS LOG. NO. 95030312590243

ACS MM 448-MA 1864. Aluminum tablet
NEW MEXICO STATE PLANE
COORDINATES, CENTRAL ZONE. (MAD 1927)
X = 1,499,726.31
Y = 345,129.81
Ground-to-Grid factor = 0.9996787
Delta Alpha = -0010.34

Disclosure Statement:
The purpose of this plat is to plat the southerly portion of Tract 59-A, create seven (7) lots and to dedicate additional right-of-way, as shown hereon.

Notes:

- 1) All corners found tagged "702", all corners set capped "7002".
- 2) Bearings shown are grid based on the New Mexico State Plane Coordinate System (Central Zone). Ground-to-grid factor = 0.9996776

3) Bearings and distances shown are field and record data. Bearings and distances shown in parentheses are record data.

4) Distances are ground distances.

5) Prior to development, the City of Albuquerque Water and Sanitary Sewer Service to these properties must be verified and coordinated with the Public Works Department, City of Albuquerque via a request for a Water and Sanitary Sewer Availability Statement.

6) Pint shows all easements of record.

[illegible][illegible]

Legal Description:

[illegible]

COMMENTS: Replanted as shown hereon, and now comprising Lots 1 through 7, plat of P.M. 88-189-000, Albuquerque, Bernalillo County, New Mexico, and the dedicating of additional right-of-way is with the free consent of and in accordance with the wishes and desires of the undersigned owner and proprietors thereof.

Acknowledgment:
STATE OF NEW MEXICO) SS
COUNTY OF BERNALILLO)

On this 28th day of February, 1995, this instrument was acknowledged before me by Kenneth E. Ray and Laverne E. Ray, husband and wife.

TRACT A-3, LANDS OF ANN KOMADINA
FILED 5/12/1986, VOL. C-30, FOLIO 102

GRAPHIC SCALE
(IN FEET)
1 inch = 40 ft

JCS ON 11-41-1989, Aluminum Cap
 NEW MEXICO STATE PLANE
 COORDINATES, COORDINATE ZONE, (NAD 1927)
 $r = 1.495, 852.97$
 $r = 364,763.94$
 Ground-to-Gold factor = 0.99967720
 Delta Alpha = -00 deg, 13' 36"

SURVEYOR'S CERTIFICATION:
I, Donald H. Smith, Notary Public in and for the State of Illinois, do hereby certify that the foregoing is a true and correct copy of the original as the same appears from the records of said County.

I, Douglas L. Smith, New Mexico Professional Surveyor No. 7092, hereby certify that this plat was prepared from field notes of an actual ground survey performed by me or under my direct supervision; that it meets the Standards for Land Surveys as adopted by the New Mexico State Board of Registration for Professional Engineers and Land Surveyors; that it meets the minimum requirements for surveys and monuments of the Albuquerque Subdivision Ordinance; and that the same is true and correct to the best of my belief and knowledge.

Douglas H. Smith, A.J.P.S. NO. 7002

PLAT OF PAL-ESTATES
LOTS 1 - 7

95054398

TOWN OF ATRISCO GRANT
WITHIN PROJECTED SECTION
10, NORTH, RANGE 3 EAST
BERNALILLO COUNTY,
FEBRUARY 1995

APPROVALS:
FLAT NO. SP-95-124

148-95
DATE
TRAFFIC ENGINEER
Richard D. Drake

PARKS AND GENERAL SERVICES
DATE **4-18-95**
Pyland

CITY SURVEYOR W. C. C. C. DATE 030995

Robert W. Kane
WATER RESOURCES
DATE 4-10-99
4-08-99

PROPERTY MANAGEMENT
6-1-95
DATE

AMARCA. *Trus / begin* 5-25-95 DATE

CITY ENGINEER *[Signature]* DATE 5-25-95

CITY PLANNER: Jack Conn DATE: 6-1-95

4-17-95
DATE

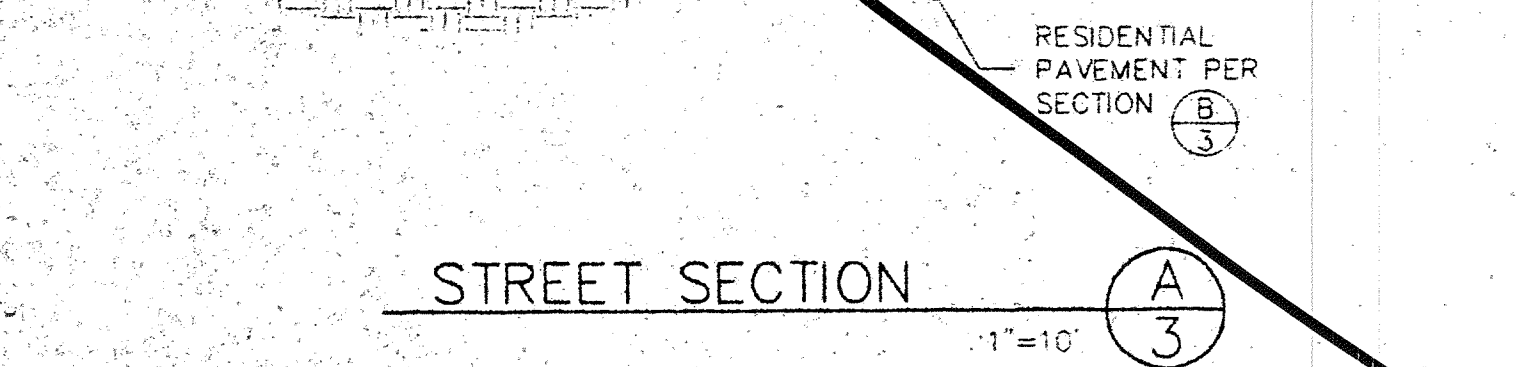
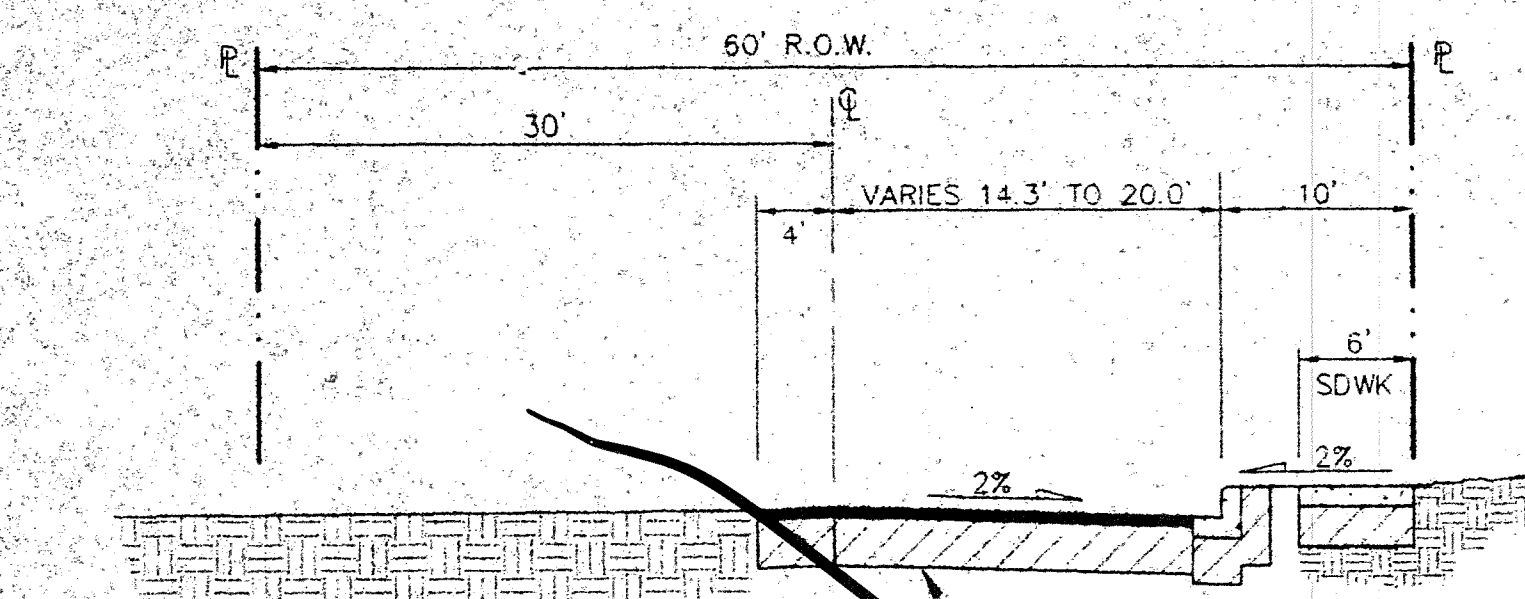
4-19-95

DATE	4-19-95
DATE	
PUBLIC SERVICE COMPANY OF NEW MEXICO	
Mona A. Carillo	
D-51	WEST

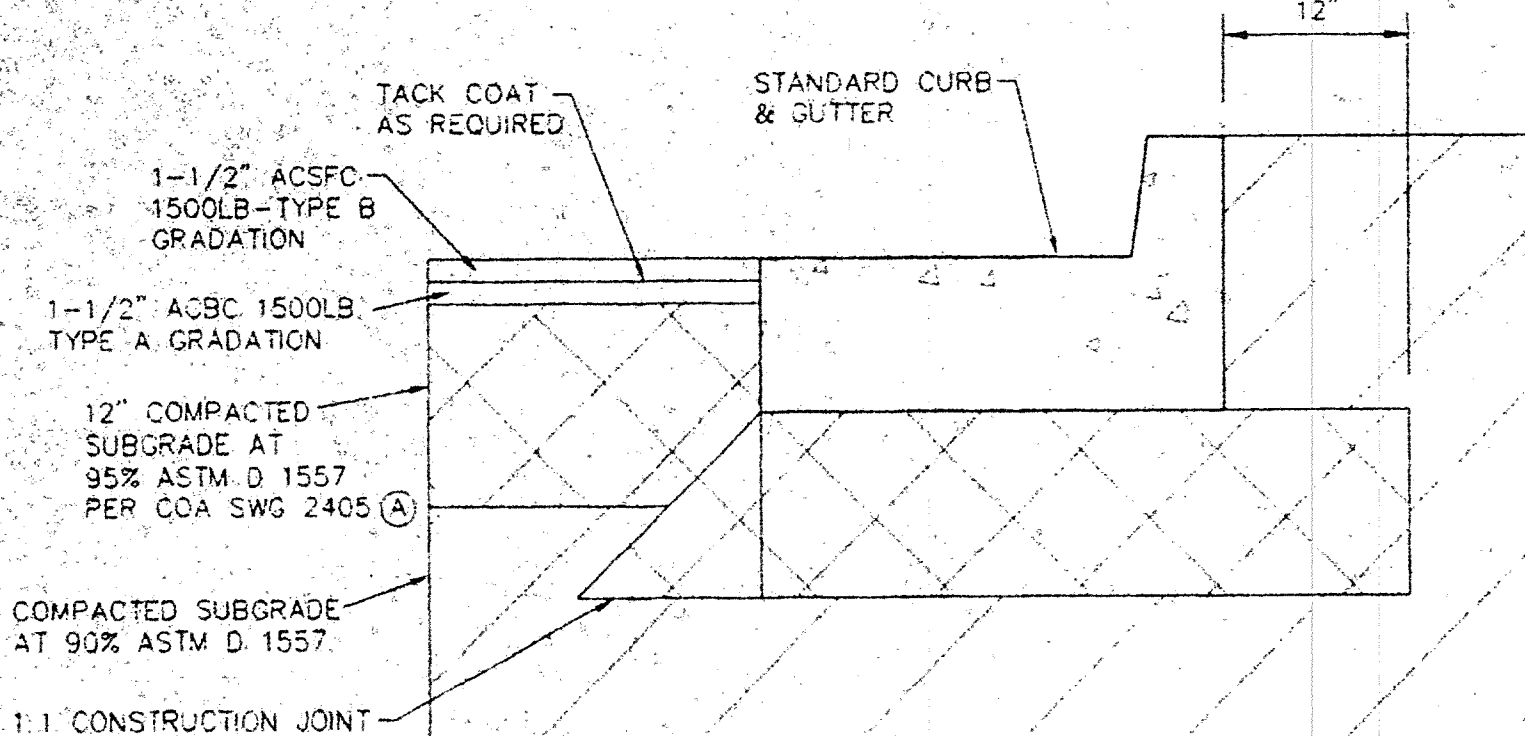
In receiving this plat, P N M/GAS CO
OF NM do not waive or release any
claim or ownership rights which may
have been asserted prior plat, plat
or other documents which are not shown

A circular stamp with the number "1002" in the center. The stamp is slightly tilted and has a textured, ink-like appearance.

10/1/83

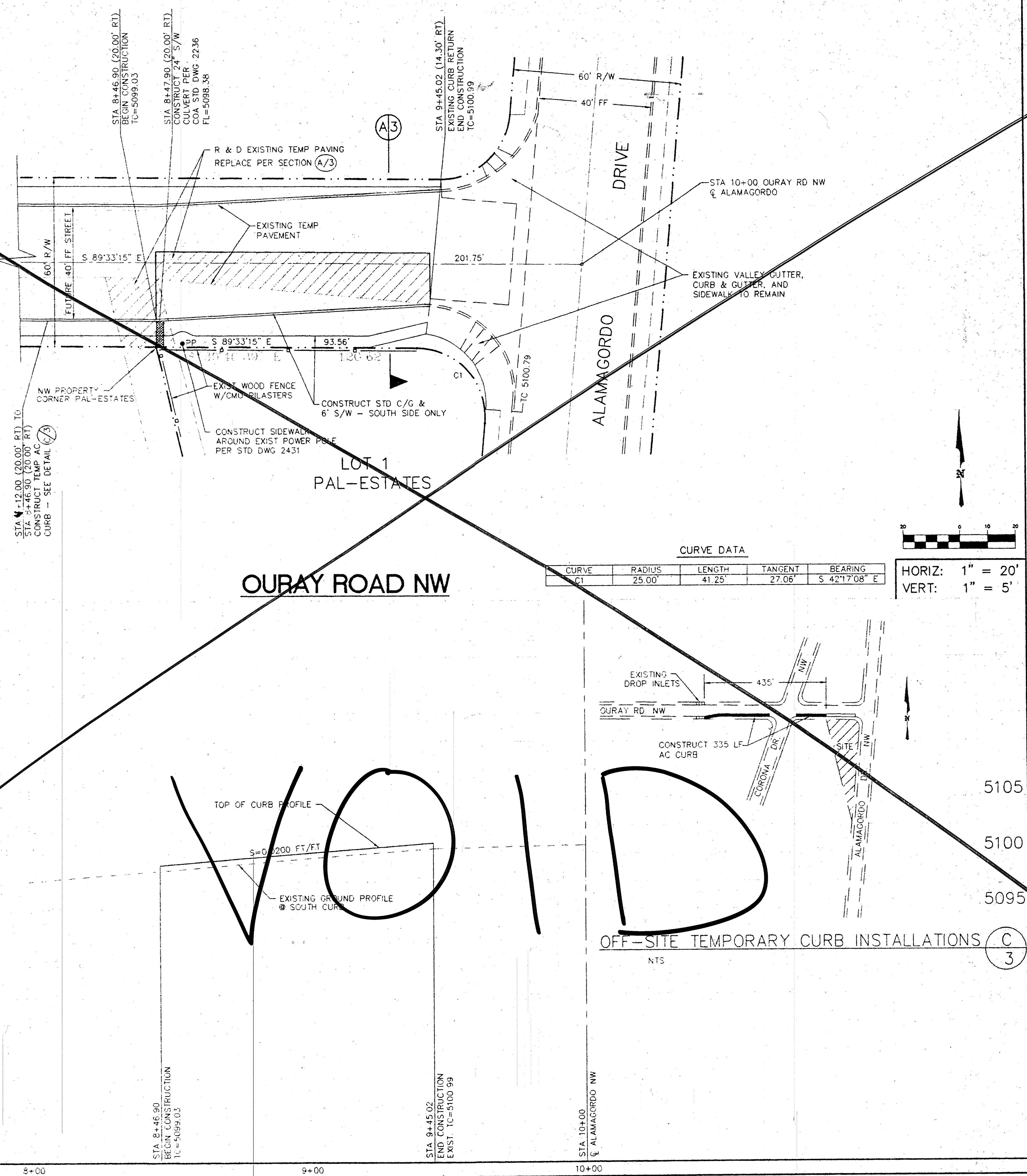


NOTE (A)
IF "R" VALUE IS LESS THAN 50
CONTRACTOR SHALL REPLACE SUBGRADE
WITH UPGRADED SOIL PER CITY
STD SPECIFICATIONS



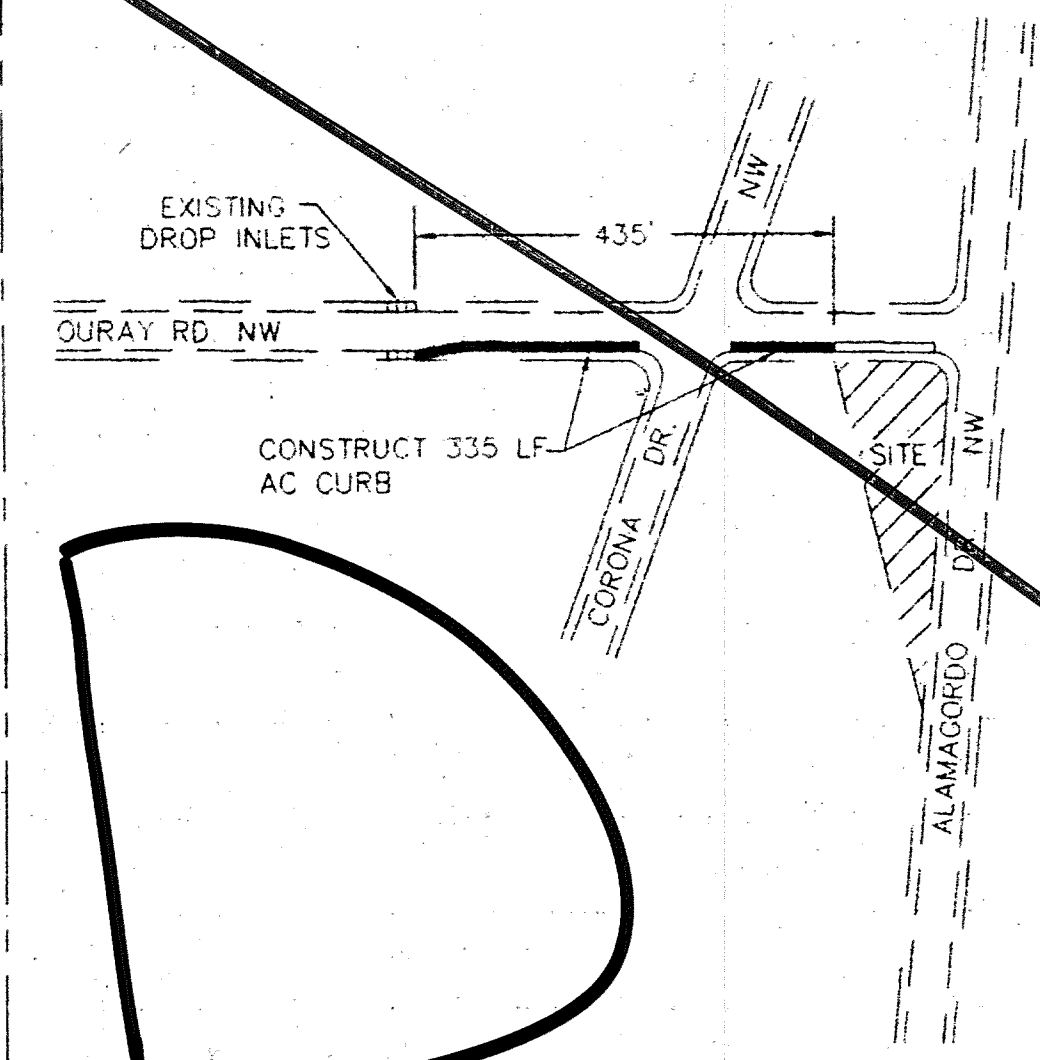
RESIDENTIAL PAVEMENT SECTION B-3
1"=1'

PORTION OF TRACT A-59
TOWN OF ATRISCO GRANT, NE UNIT



CURVE DATA				
CURVE	RADIUS	LENGTH	TANGENT	BEARING
C1	25.00'	41.25'	27.06'	S 42°17'08\"

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



LEGEND		
ITEM	EXISTING	PROPOSED
WATERLINE	6" W	6" W
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	36" SD	24" SD
FIRE HYDRANT	⊙	⊙
VALVE	⊕	⊕
WATER SERVICE (SINGLE)	—	—
WATER SERVICE (DOUBLE)	—	—
MANHOLE	⊙	⊙
CURB	—	—
FUTURE CURB (BY OTHERS)	—	—
DROP INLET	⊕	⊕
OVERHEAD ELEC	—	—
UNDERGROUND ELEC	—	—
GAS, TEL, TV	—	—
FLOWLINE ELEV.	FL 0.14	FL 0.14
TOP OF CURB ELEV.	99.3	99.31
SPOT ELEV.	x 16.7	16.7
SEWER SERVICE	—	—
RIGHT OF WAY	—	—
POWER POLE (GUYNED)	PP	PP
CHAIN LINK FENCE	—	—
CENTERLINE	—	—
RETAINING WALL	—	—
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2

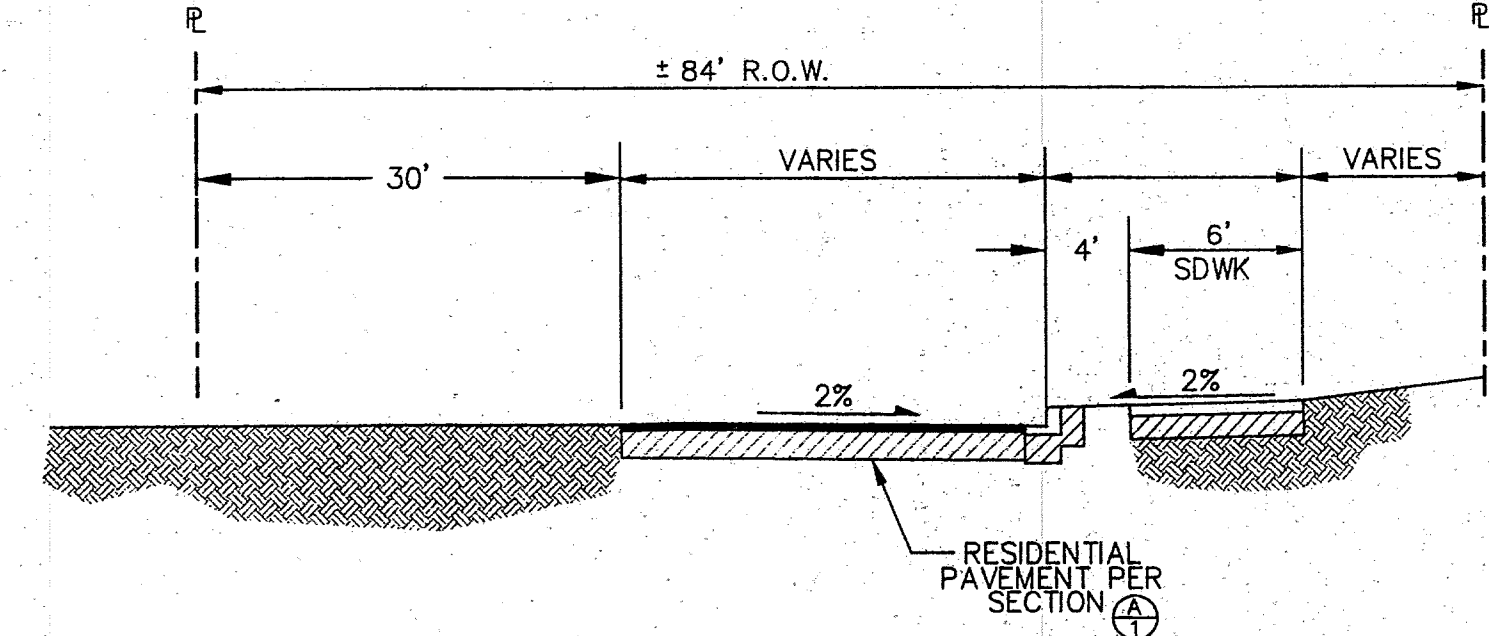
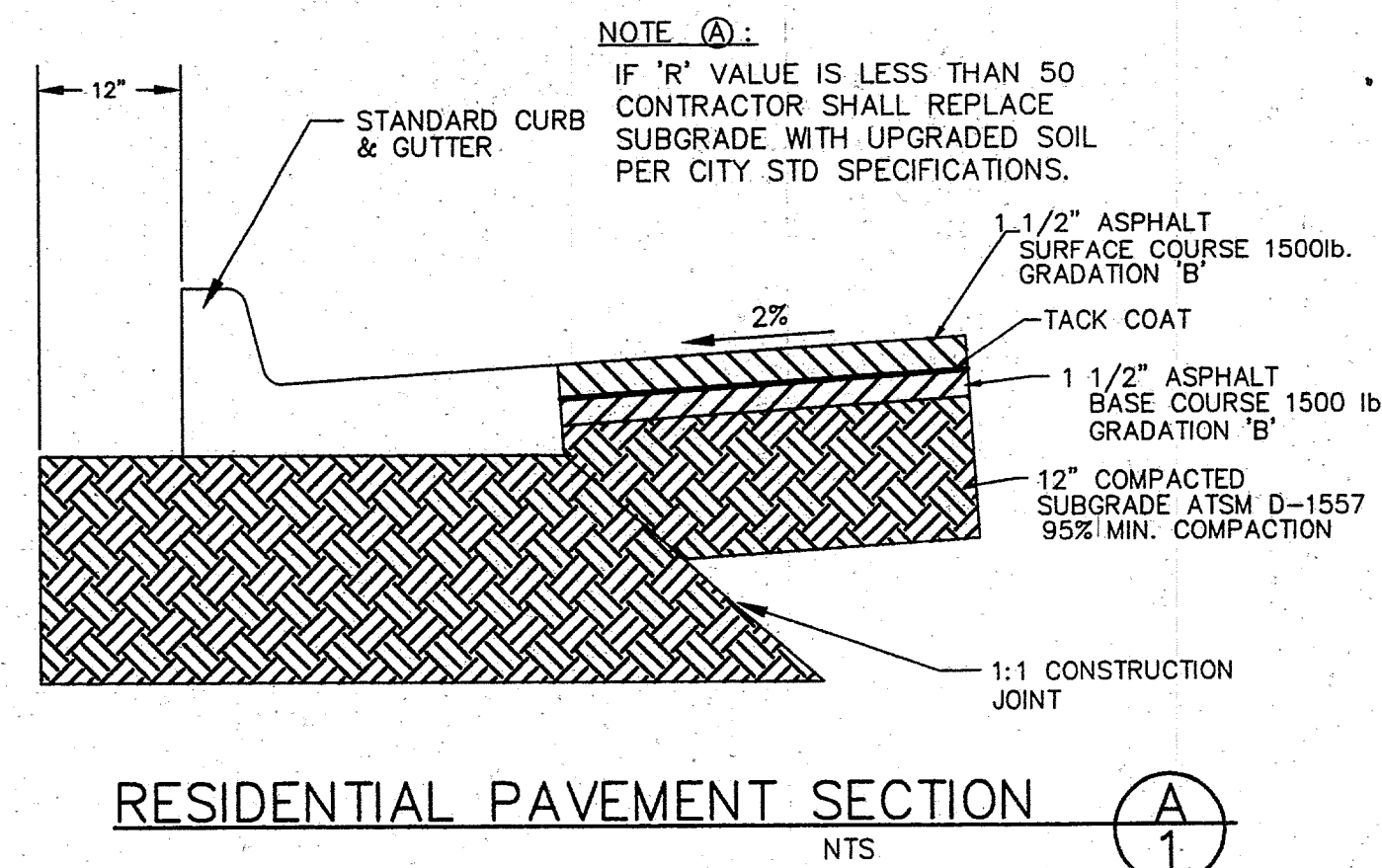
EXISTING PAVEMENT
TO BE REMOVED
& REPLACED

NOTES:
1. ALL STATIONING IS BASED ON CENTERLINE
OF RIGHT-OF-WAY UNLESS OTHERWISE
NOTED.
2. STANDARD CURB & GUTTER PER STD
DWG 2415.
3. CONCRETE SIDEWALK PER STD DWG 2430

ENGINEER'S SEAL				SURVEY INFORMATION				BENCH MARKS				AS BUILT INFORMATION			
				FIELD NOTES				CONTRACTOR				DATE			
				NO.	BY	DATE		NO.	BY	DATE		NO.	BY	DATE	
				REVISIONS				DESIGNED BY D.A.L.				DATE 3/98			
				NO.	DATE	REMARKS	BY	DESIGNED BY D.A.L.	DATE 3/98	DRAWN BY STAFF	DATE 3/98	CHECKED BY D.A.L.	DATE 3/98		

BLI BRASHER & LORENZ, INC.
Consulting Engineers
2201 San Pedro NE Building 1 Suite 210
Albuquerque, New Mexico 87110
Ph: 505-886-6085 Fax: 505-886-6188

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: OURAY ROAD NW STREET PAVING PLAN & PROFILE			
APPROVED	APPROVED	APPROVED	APPROVED
DATE 4/1998	DATE MAR 13 2000	DATE	DATE
IN COMMITTEE	CITY ENGINEER	DATE	DATE
City Project No. 5180.90	Zone Map No. H-11	Sheet 3	Of 5



AS BUILT CERTIFICATION

I, LARRY W. MEDRANO, DO HEREBY ATTEST TO THE FACT THAT THE AS-BUILT INFORMATION SHOWN HEREON IS THE RESULT OF A FIELD SURVEY PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

LARRY W. MEDRANO
NEW MEXICO PROFESSIONAL
LAND SURVEYOR NO. 11993

PRECISION SURVEYS, INC.
8414-D JEFFERSON STREET, N.E.
ALBUQUERQUE, NM 87113
(505)856-5700

HORIZ: 1" = 40'
VERT: 1" = 1'

KEYED NOTES

- CONSTRUCT TEMPORARY PAVEMENT PER COA STD DWG 2415
- CONSTRUCT TEMPORARY ASPHALT CURB PER COA STD DWG 2415
- CONSTRUCT 12" SIDEWALK CULVERT PER COA STD DWG 2236
- CONSTRUCT 3-WIDE TEMPORARY ASPHALT PAVEMENT PER COA STD DWG 2415
- CONSTRUCT STANDARD CURB AND GUTTER PAVEMENT PER COA STD DWG 2415
- CONSTRUCT 6-FOOT WIDE SIDEWALK PAVEMENT PER COA STD DWG 2430
- ALL IMPROVEMENTS NORTH OF ROADWAY CENTERLINE TO BE BUILT BY OTHERS. (SHOWN FOR INFORMATION ONLY)

BL BRASHER & LORENZ, INC.
Consulting Engineers
2201 San Pedro NE Building 1 Suite 220
Albuquerque, New Mexico 87110
Ph: 505-888-6088 Fax: 505-888-6188

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: OURAY ROAD NW
STREET PAVING PLAN AND PROFILE

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

City Project No. 5180.90 Zone Map No. H-11 Sheet 3-A Of 54

ITEM	EXISTING	PROPOSED
WATERLINE	6" W	6" W
SANITARY SEWER	8" SAS	8" SAS
STORM SEWER	36" SD	24" SD
FIRE HYDRANT	⊙	⊙
VALVE	⊕	⊕
WATER SERVICE (SINGLE)	—	—
WATER SERVICE (DOUBLE)	—	—
MANHOLE	⊙	⊙
MOUNTABLE CURB	—	—
STD CURB & GUTTER	—	—
DROP INLET	⊕	⊕
OVERHEAD ELEC.	—	—
UNDERGROUND ELEC.	—	—
GAS, TEL, TV	—	—
FLOWLINE ELEV.	FL 0.14	FL 0.14
TOP OF CURB ELEV.	99.3	99.31
SPOT ELEV.	x 16.7	16.7
SEWER SERVICE	—	—
RIGHT OF WAY	—	—
POWER POLE (GUYED)	⊕	⊕
CHAIN LINK FENCE	—	—
CENTERLINE	—	—
RETAINING WALL	—	—
TOP OF ASPHALT ELEV.	TA 16.2	TA 16.2
TEMP. PAVEMENT	—	—
CROWN	—	—
STREET LIGHT	—	—
FUTURE	—	—
UNDER CONSTRUCTION	—	—
EXISTING	—	—

STATIONING IS BASED ON CONSTRUCTION CENTERLINE UNLESS NOTED OTHERWISE.

(IN FEET)
1 inch = 40 ft.

5102

5102

5101

5101

5100

5100

5099

5099

5098

5098

5097

5097

5096

5096

5095

5095

5+70.39 EXISTING DROP INLET TO=95.11
BEG. CONSTRUCTION OF ASPHALT CURB

STA 7+68.46
END CONSTRUCTION OF ASPHALT CURB

STA 8+54.93
BEG. ASPHALT CURB BEGIN 3-FT TEMP ASPHALT

STA 8+75
EXISTING EA (SOUTH) 98.23
PROPOSED FL (SOUTH) 98.23

STA 9+00
EXISTING EA (SOUTH) 98.48
PROPOSED FL (SOUTH) 98.44

STA 9+25
EXISTING EA (SOUTH) 98.79
PROPOSED FL (SOUTH) 98.57

STA 9+50
EXISTING EA (SOUTH) 99.12
PROPOSED FL (SOUTH) 98.69

STA 9+75
EXISTING EA (SOUTH) 99.51
PROPOSED FL (SOUTH) 98.81

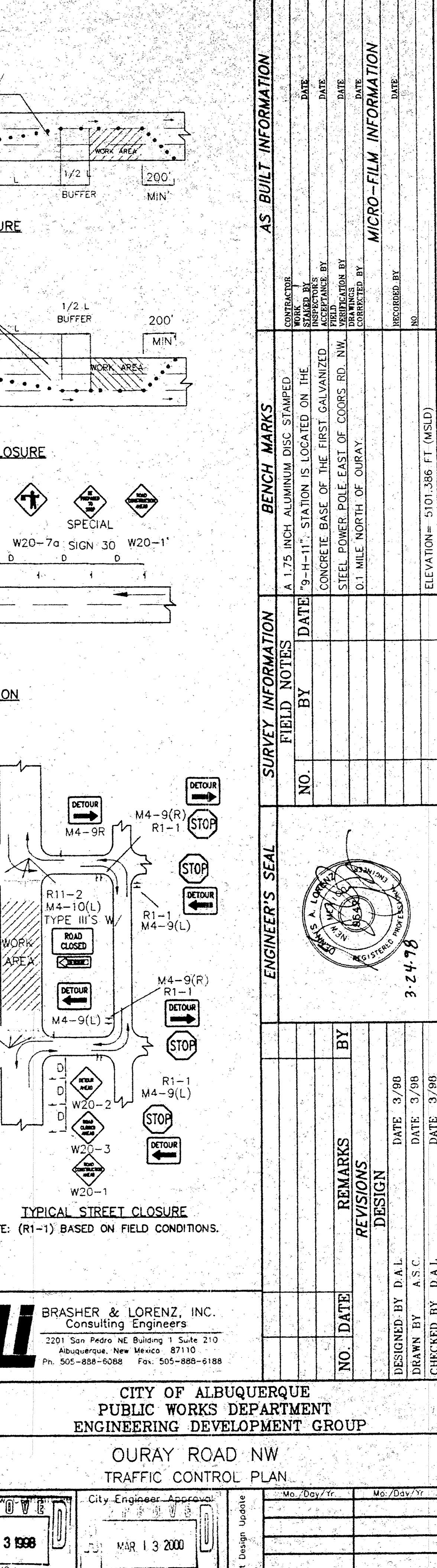
STA 10+00
EXISTING EA (SOUTH) 99.88
PROPOSED FL (SOUTH) 99.33

STA 11+08.43
EXISTING WSW CURB RETURN
FL 00.85

PROPOSED FLOWLINE OF NEW CURB AND GUTTER (SOUTH)

PROPOSED FLOWLINE OF ASPHALT CURB

EXISTING SOUTH EDGE OF ASPHALT



CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. CONTRACTOR SHALL NOT BEGIN WORK BEFORE 7:00 A.M. OR END WORK AFTER 7:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 24 HOURS PRIOR TO OCCUPANCY OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.

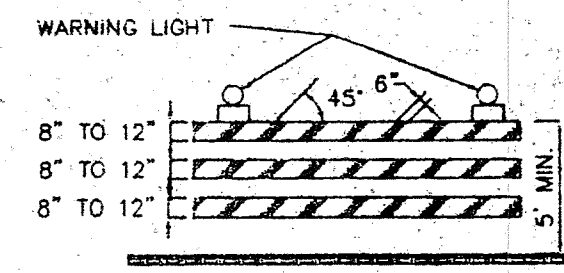
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER.

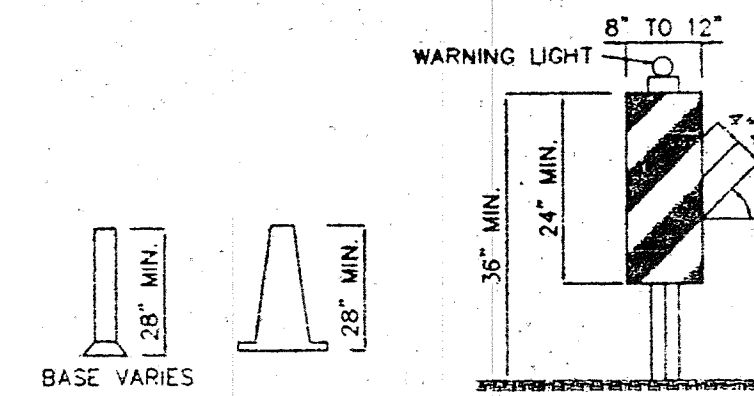
27. DUE TO OTHER EXPECTED CONSTRUCTION PROJECTS IN THE AREA, A DELAY IN THE BARRICADING AND EXCAVATION PERMIT ISSUANCE MAY BE NECESSARY.

28. IF ROAD CLOSURE IS REQUIRED, A DETOUR PLAN MUST BE SUBMITTED AND APPROVED BY THE CONSTRUCTION COORDINATION DIVISION FIVE DAYS IN ADVANCE. A ROAD CLOSURE IS ALLOWED FOR ONE DAY BETWEEN 9:00AM AND 3:00PM FOR PAVING OPERATIONS.

29. CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC ON OURAY AT ALL TIMES (EXCEPT AS NOTED ABOVE). WHEN INADEQUATE SPACE IS AVAILABLE TO MAINTAIN TEN FOOT LANE WIDTHS, A FLAGMAN OPERATION IS NECESSARY.

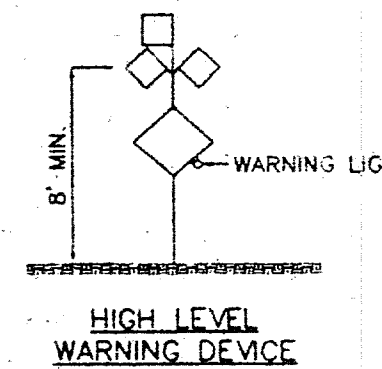


TYPE III BARRICADE

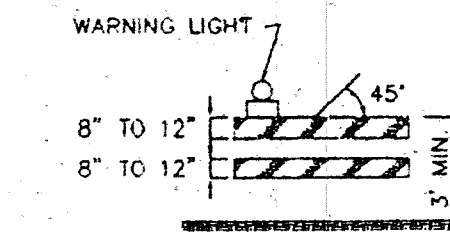


VERTICAL PANEL

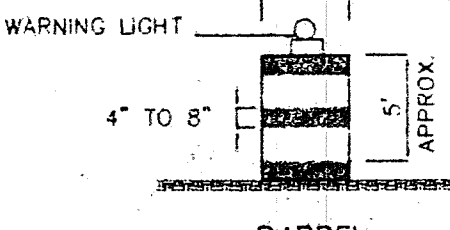
CONES



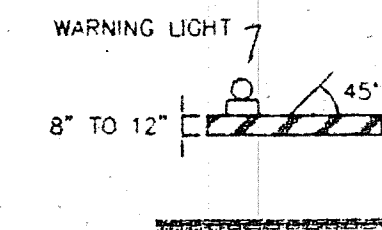
HIGH LEVEL WARNING DEVICE



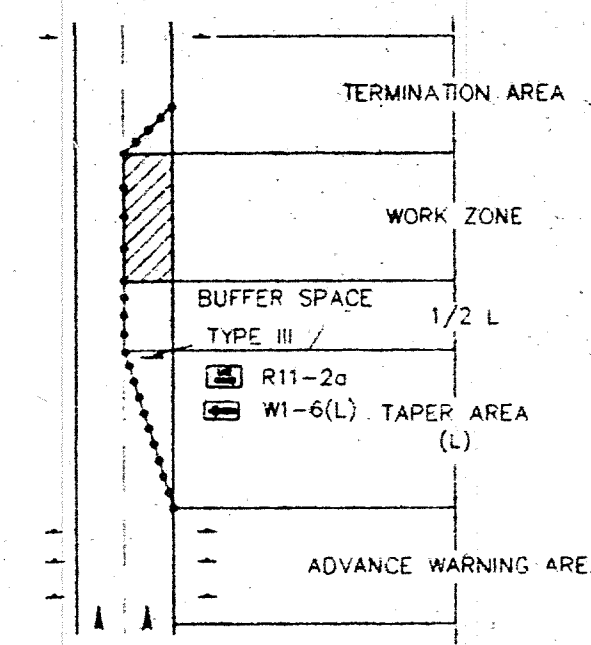
TYPE II BARRICADE COLLAPSIBLE



BARREL



TYPE I BARRICADE COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS

LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II OR BARREL
- BARRICADE - TYPE III
- VERTICAL PANEL
- WARNING SIGN
- DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
- TAPER LENGTH - SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED LIMIT (MPH)	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	MINIMUM DISTANCE IN FEET FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

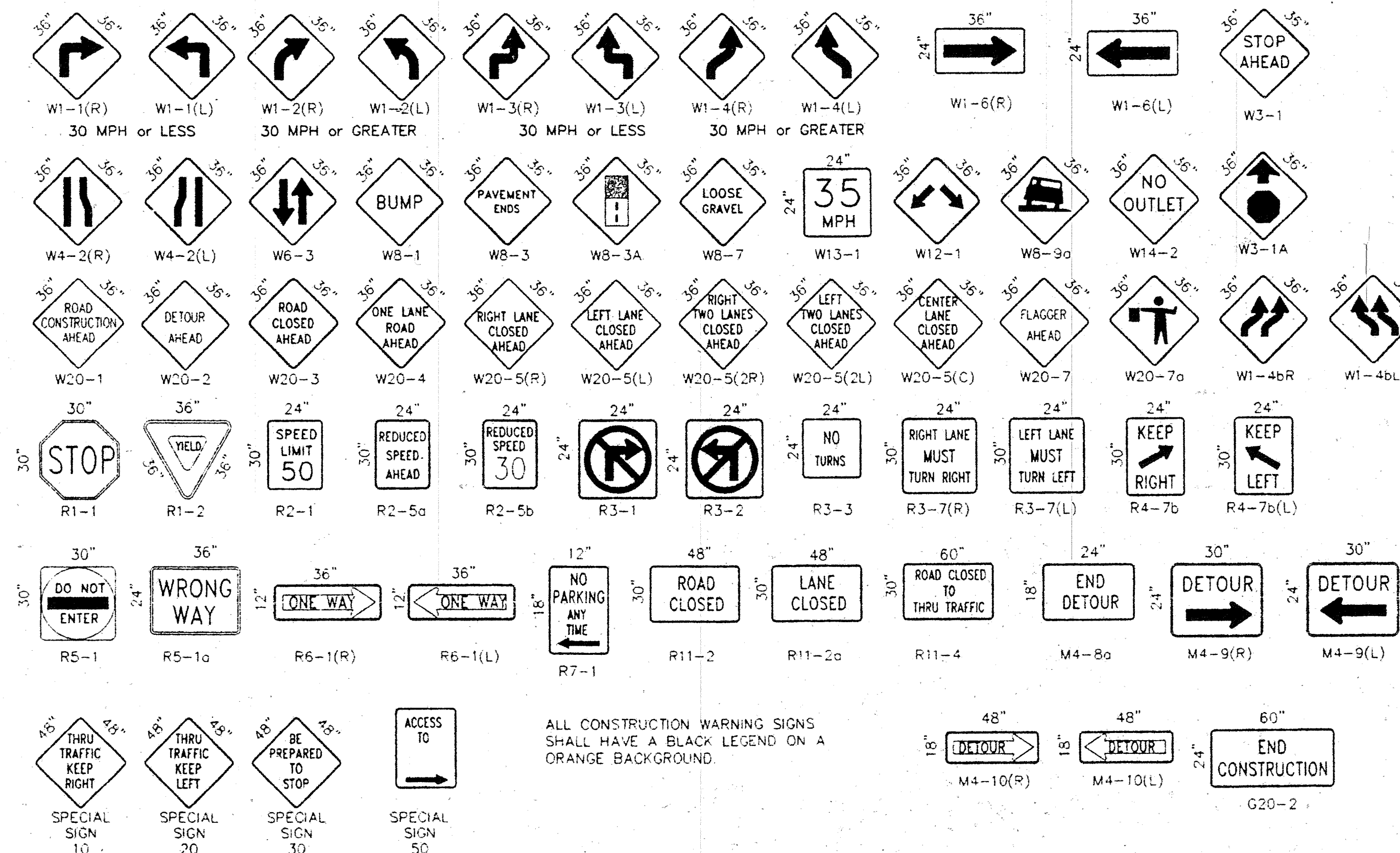
TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	L =
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$
L = TAPER LENGTH IN FEET W = WIDTH OF OFFSET IN FEET S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH	

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

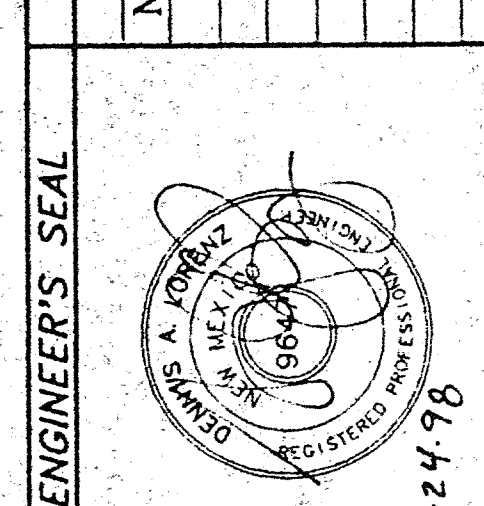
AS BUILT INFORMATION

CONTRACTOR	DATE
INSPECTOR	DATE
VERIFICATION BY	DATE
RECORDED BY	DATE

BENCH MARKS

NO.	DATE

ENGINEER'S SEAL



BY

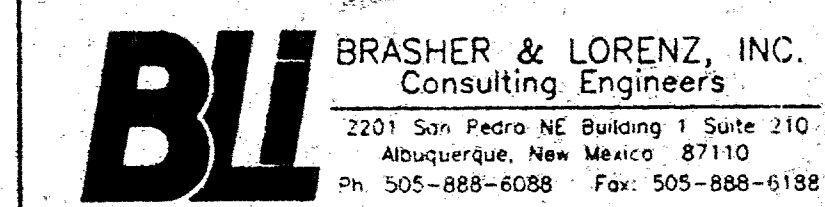
NO.	DATE

REVISIONS

NO.	DATE	REVISIONS

DESIGN

DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: OURAY ROAD NW.
TRAFFIC CONTROL PLAN

DESIGN REVIEW COMMITTEE: JUN - 3-1998

CITY ENGINEER: MAR 13 2000

City Project No. 5180.90 Zone Map No. H-11 Sheet 5 Of 5