

SCANNED BY:
MESA REPRO

PLANS FOR CONSTRUCTION OF

INFRASTRUCTURE IMPROVEMENTS

WEAVER — ALB. GROUNDS MAINT.

LOTS 18 & 19

JULY, 1999
SANITARY SEWER
PHASE I

INDEX TO DRAWINGS

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6	TRAFFIC CONTROL & SIGNING
7	TRAFFIC CONTROL & SIGNING

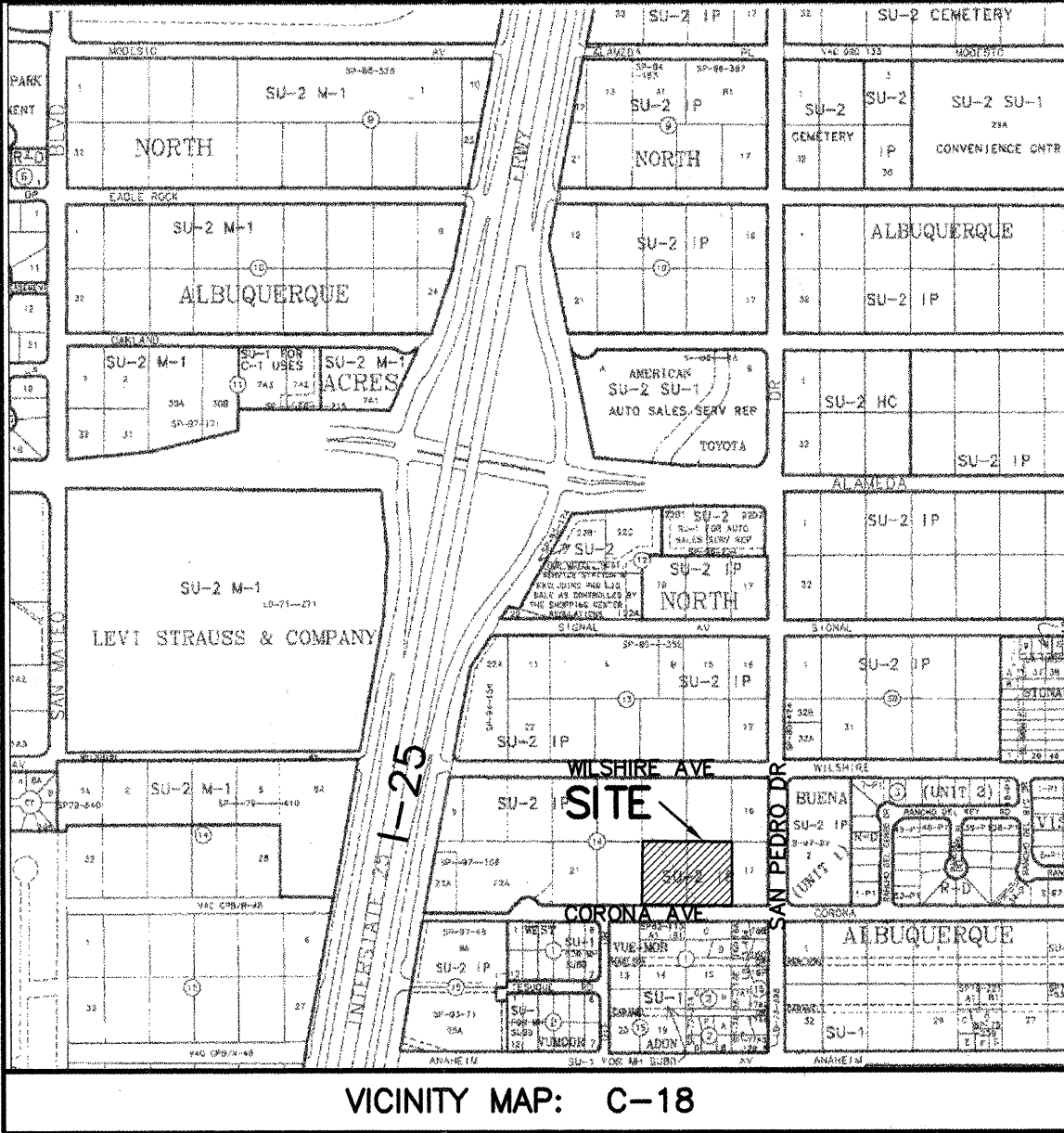
APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Chen Cheng
DATE 6-23-00

17. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.

McDowell Engineering Inc.
7820 BEVERLY HILLS AVE. NE
ALBUQUERQUE, NM 87122
TELE: (505) 828-2430
FAX: (505) 821-4857

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

DRB #97-516



- GENERAL NOTES:
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HERON, BE CONSTRUCTED IN ACCORDANCE WITH THE "CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986" (COA STND) WITH UPDATES THROUGH #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. 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.
 - SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
 - 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 CITY OF ALBUQUERQUE STANDARD DRAWINGS.
 - ELECTRONIC MARKER DISCS SHALL BE PLACED IN ACCORDANCE WITH SECTION 170 OF THE CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS, PUBLIC WORKS CONSTRUCTION.
 - 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 MCDOWELL ENGINEERING, 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 CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY 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 MARKING BY CONTRACTOR TO EXISTING LOCATION OR AS INDICATED BY THIS PLAN SET.
 - ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24 HOUR CONSTRUCTION.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC Chairman	<i>R. W. Kane</i>	12-7-99	APPROVED FOR CONSTRUCTION		
		Transportation	<i>R. W. Kane</i>	9-21-99	City Engineer Date		
		Water/Wastewater	<i>R. W. Kane</i>	9-21-99			
		Hydrology	<i>R. W. Kane</i>	9-21-99			
		CIP	<i>R. W. Kane</i>	9-21-99			
		Constr. Mngmt.	<i>R. W. Kane</i>	12-7-99			
		Constr. Coord.	<i>R. W. Kane</i>	12-7-99			
City Project No.		592481		Sheet		Of	
PHASE I				1		7	

[illegible]

VICINITY MAP

SUBDIVISION DATA
GROSS ACREAGE: 1.77 ACRES ±
ZONE ATLAS INDEX NO. C-18-Z
NO. OF TRACTS CREATED: 0
NO. OF LOTS CREATED: 1
MILES OF FULL WIDTH STREETS CREATED: 0
DATE OF SURVEY: NOVEMBER, 1987
TALOS LOG # 97112411450313

1. BEARINGS SHOWN ARE GRID B' BEARINGS.
2. ALL DISTANCES ARE GROUND DISTANCES
3. EXISTING LOTS 18 AND 19, BLOCK 14, TRACT A, UNIT 6, NORTH ALBUQUERQUE
ACRES, ARE VACATED AND COMBINED INTO ONE LOT BY THIS PLAN.
4. MISC. DATA: ZONING SU-2 P
5. THIS PROPERTY LIES WITHIN PROJECTED SECTION 13, TOWNSHIP 11 NORTH, RANGE 3 EAST,
N.M.P.M., ALMA GALLEGOS GRANT, BERNALILLO COUNTY, NEW MEXICO.

THE PURPOSE OF THIS PLAY IS TO REPLAY THE EXISTING LOTS 18 AND 19, BLOCK 14, TRACT A, UNIT B, NORTH ALBUQUERQUE ACRES, INTO ONE LOT.

1. THIS PLAT SHOWS ALL EASEMENTS MADE KNOWN TO ME BY THIS OWNER, UTILITY COMPANIES, OR OTHER PARTIES EXPRESSING AN INTEREST.

STATE OF NEW MEXICO } SS
COUNTY OF BERNALILLO }

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS
6 DAY OF February, 1967

BY SANDRA WEAVER.

NOTARY PUBLIC *Sandra Weaver*

MY COMMISSION EXPIRES: 7/3/68

SANDRA J. STEWART
 DISTRICT PUBLIC JUDGE OF NEW JERSEY
 by commission to print

THE REPEAT SHOWN HEREON IS WITH THE FREE CONSENT AND IN ACCORDANCE WITH THE DESIRES OF THE UNDERSIGNED OWNERS AND PROPRIETORS THEREOF.

BY: Sandra Weaver 2-6-98 DATE

A TRACT OF LAND COMPRISING OF LOTS EIGHTEEN(18) AND NINETEEN(19), IN BLOCK NUMBERED FOURTEEN(14), OF THE CITY OF ALBUQUERQUE, COUNTY OF BERNALILLO, STATE OF NEW MEXICO, BEING THE PLAT OF SAID ADDITION, BEING THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON APRIL 24, 1936, LYING TRAFFIC IN THE NORTH OF THE QUINCY COUNTRY, WITHIN PROJECTED SECTION 13, TOWNSHIP 11 NORTH, RANGE 3 EAST, N.M.P.M., AND BEING DESCRIBED MORE PARTICULARLY AS FOLLOWS:

[illegible]

PLANNING DIRECTOR	DATE
CITY ENGINEER	DATE
AMATECA	DATE
TRANSPORTATION DEVELOPMENT	DATE
CITY SURVEYOR	DATE

UTILITY DEVELOPMENT

DATE	DATE
3-11-99	3-11-99
2-9-99	2-9-99
2/9/99	2/9/99
3/11/99	3/11/99

In approving this plat, PNIM Electric Services and Gas Services (PNIM) did not conduct a Title Search of the properties shown hereon. Consequently, PNIM does not waive nor release any easement or assessment rights to which it may be entitled.

1. JOHN N. WILSON, A REGISTERED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF TEXAS, THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY SUPERVISION, MEETING THE MINIMUM REQUIREMENTS FOR MONUMENTS AND SURVEYS OF THE SUPERVISOR, MEETING THE MINIMUM STANDARDS FOR SURVEYING, AND MEETING THE MINIMUM STANDARDS FOR SURVEYING IN NEW-MEXICO, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, AND BELIEF.

John N. Wilson 12-16-97
DATE

JOHN N. WILSON, N.A.L.S. No. 7475

JOHN M. WILSON, N.M.L.S. No. 7475

WILSON SURVEYING CO., INC.
REGISTERED PROFESSIONAL LAND SURVEYORS

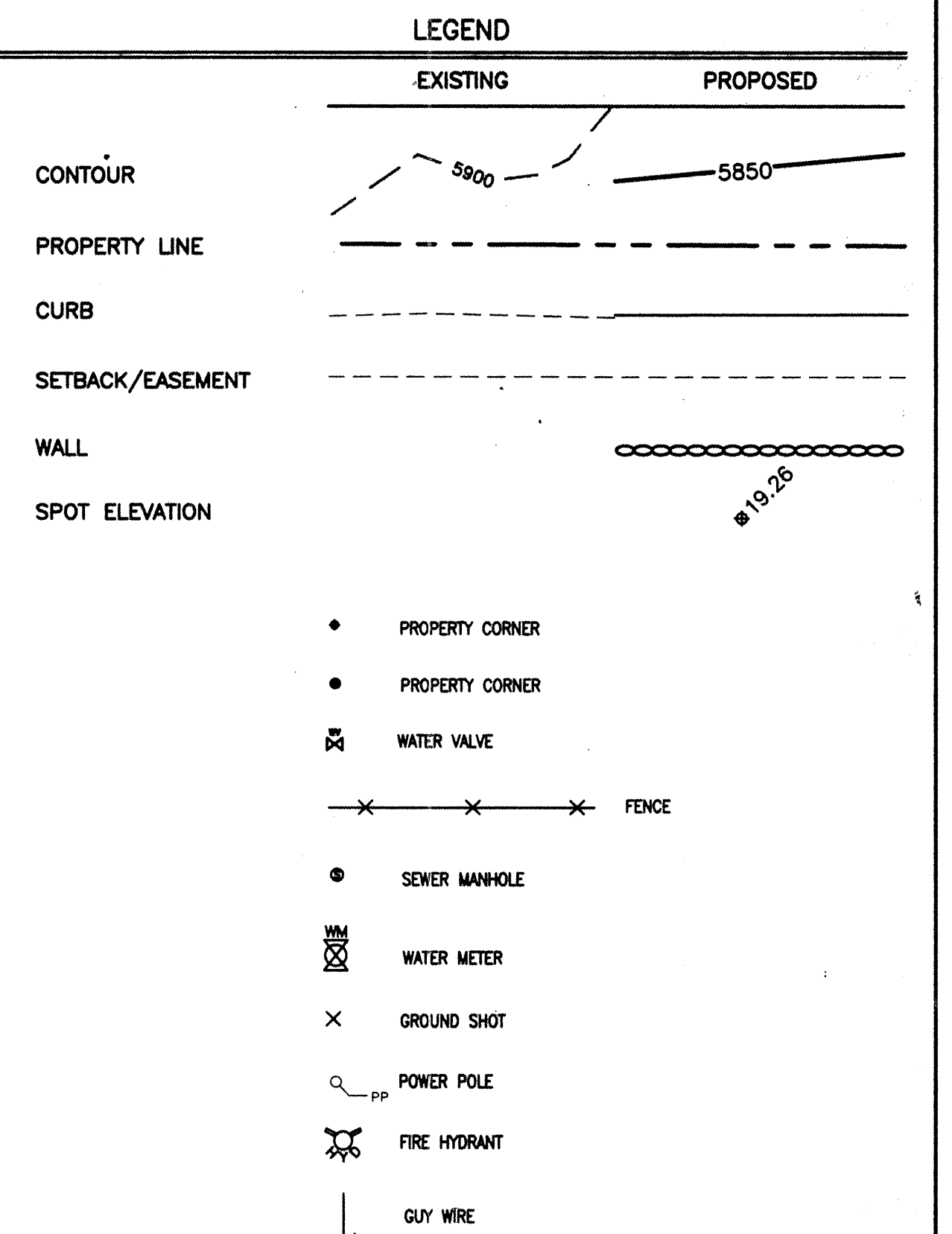
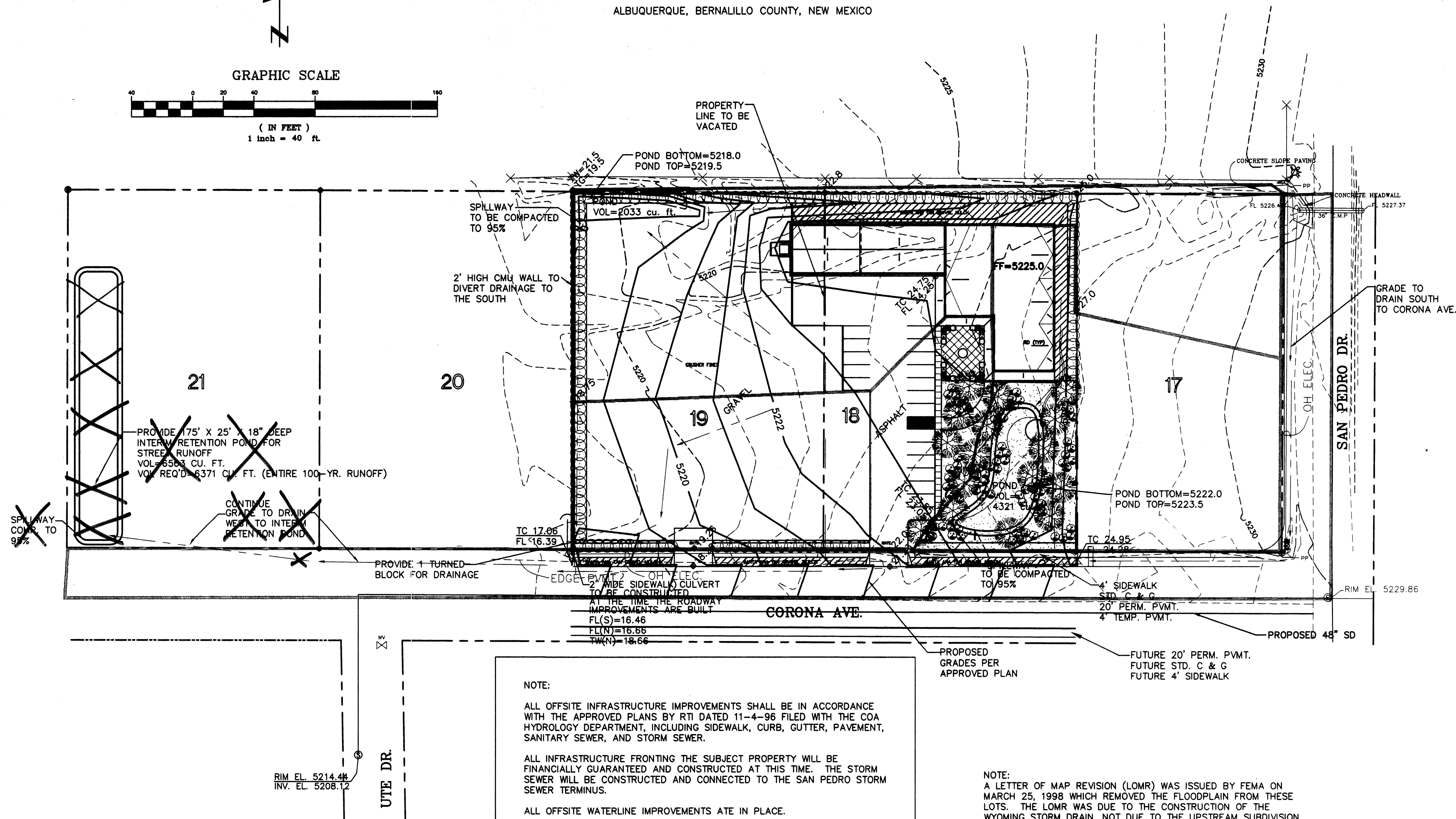
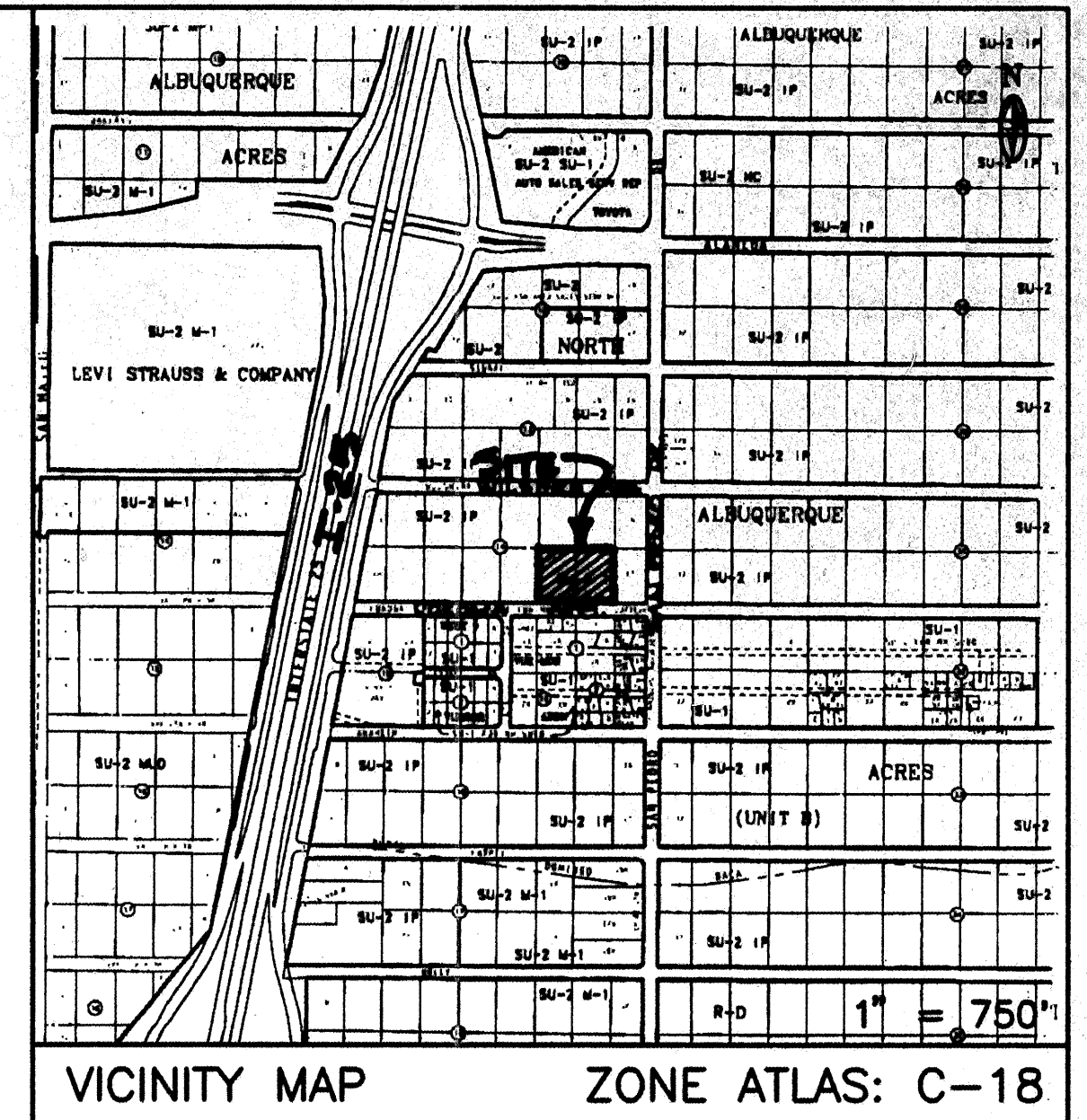
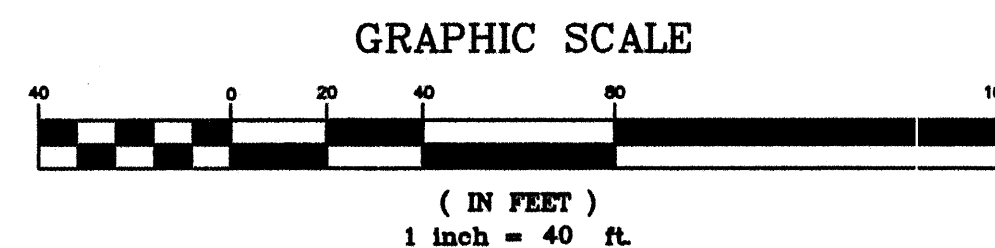
LUBBOCK • ALBUQUERQUE • EL PASO
(505)-243-6434

DRB CASE NO. 37-516
SHEET 1 OF 2

DRB CASE NO. 97-516
SHEET 2 OF 2

NOVEMBER, 1997	PROJECT: AGM	AGM-RP1.DWG	JOB NO: 97A-012
SHEET 2 OF 2	SCALE: 1" = 40'		

LOTS 18 & 19
OF
BLOCK 14, TRACT A, UNIT B
NORTH ALBUQUERQUE ACRES
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO



NOTE:

ALL OFFSITE INFRASTRUCTURE IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE APPROVED PLANS BY RTI DATED 11-4-96 FILED WITH THE COA HYDROLOGY DEPARTMENT, INCLUDING SIDEWALK, CURB, GUTTER, PAVEMENT, SANITARY SEWER, AND STORM SEWER.

ALL INFRASTRUCTURE FRONTING THE SUBJECT PROPERTY WILL BE FINANCIALLY GUARANTEED AND CONSTRUCTED AT THIS TIME. THE STORM SEWER WILL BE CONSTRUCTED AND CONNECTED TO THE SAN PEDRO STORM SEWER TERMINUS.

ALL OFFSITE WATERLINE IMPROVEMENTS ARE IN PLACE.

SANITARY SEWER WILL BE EXTENDED FROM THE MANHOLE IN UTE DR. IN ACCORDANCE WITH THE WATER & SANITARY SEWER AVAILABILITY STATEMENT.

NOTE:

A LETTER OF MAP REVISION (LOMR) WAS ISSUED BY FEMA ON MARCH 25, 1998 WHICH REMOVED THE FLOODPLAIN FROM THESE LOTS. THE LOMR WAS DUE TO THE CONSTRUCTION OF THE WYOMING STORM DRAIN, NOT DUE TO THE UPSTREAM SUBDIVISION. THE SUBDIVISION ONLY REDUCED THE OFF-SITE DRAINAGE BASIN.

DRAINAGE PLAN

SCOPE:

Pursuant to the latest City of Albuquerque and Bernalillo County Drainage Ordinances, the Drainage Plan shown hereon outlines the drainage management criteria for controlling developed runoff on and exiting the project sites. A commercial building with related storage and covered parking buildings are proposed for the two lots, with associated access, landscaping, and utility improvements.

EXISTING CONDITIONS:

Presently, the two lots contain 0.89 acres each of undeveloped property. The total area is 1.78 acres. The site is bounded on the east, north, and west by private property zoned SU-2, IP lots and on the south by Corona Avenue. The site is vegetated with native grasses and shrubs. Site topography slopes from the east to the west at approximately 3 percent. The site is located in a future vacated flood plain, which is currently being processed through FEMA. Floodway Map No. 137.

RESIDENTIAL DEVELOPMENT TO THE EAST OF THE SITE HAS PROVIDED A LARGE RETENTION POND WHICH HAS ELIMINATED THE FLOODPLAIN FROM THE SUBJECT PROPERTY. ALL UPSTREAM OFFSITE DRAINAGE EAST OF SAN PEDRO IS COLLECTED IN THE POND. A minimal amount of offsite drainage enter the property from the east. Calculations are attached.

PROPOSED CONDITIONS:

The plan shows the building locations and parking areas. On site flows will drain around the buildings, and continue to flow to the southwest. The lot line between Lots 18 & 19 will be vacated. Interim retention ponds will be provided at this time. The ponds will be vacated at the time that the entire upstream and downstream drainage improvements are in place.

All roof drainage will discharge from the roof to the lots and be directed around the structures. Access will be taken from Corona Avenue. Corona Avenue will be improved in accordance with the approved plans on file with the City Hydrology Department. The improvements include sidewalk, curb & gutter, pavement, sanitary sewer, and a 48" storm sewer. The improvement will be either financially guaranteed or constructed for that portion which is in front and adjacent to the subject lots (Lots 18 & 19).

The existing minimal amount of offsite drainage (Lot 17) will be allowed to continue to drain through the site until such time as the lot is developed in accordance with the approved conceptual drainage plan. The approved conceptual drainage plan calls for all drainage from Lots 17-21 to be diverted on each lot to Corona Avenue.

Supplemental calculation have been provided to the City of Albuquerque Hydrology Department as Attachment No. 1. DATED 2-5-98 AND REVISED 3-15-98.

CALCULATIONS:

The calculations shown hereon define the 100 year/6 hour design storm falling within the project area under existing and developed conditions. The Hydrology is per "Section 22.2, Hydrology of the Development Process Manual, Volume 2, Design Criteria, for the City of Albuquerque, New Mexico in cooperation with Bernalillo County, New Mexico and the Albuquerque Metropolitan Arroyo Flood Control Authority.

PROPERTY ADDRESS:

Corona Avenue NE

LEGAL DESCRIPTION:

Lots 18 & 19, Block 14, Tract A, Unit B, North Albuquerque Acres

SURVEY:

Topographic information provided by Wilson & Associates.

FOR INFO ONLY

2-2-98
Rev. 3-15-98
Rev. 4-10-98
Rev. 5-5-98
Rev. 12-14-98
Rev. 4-14-99

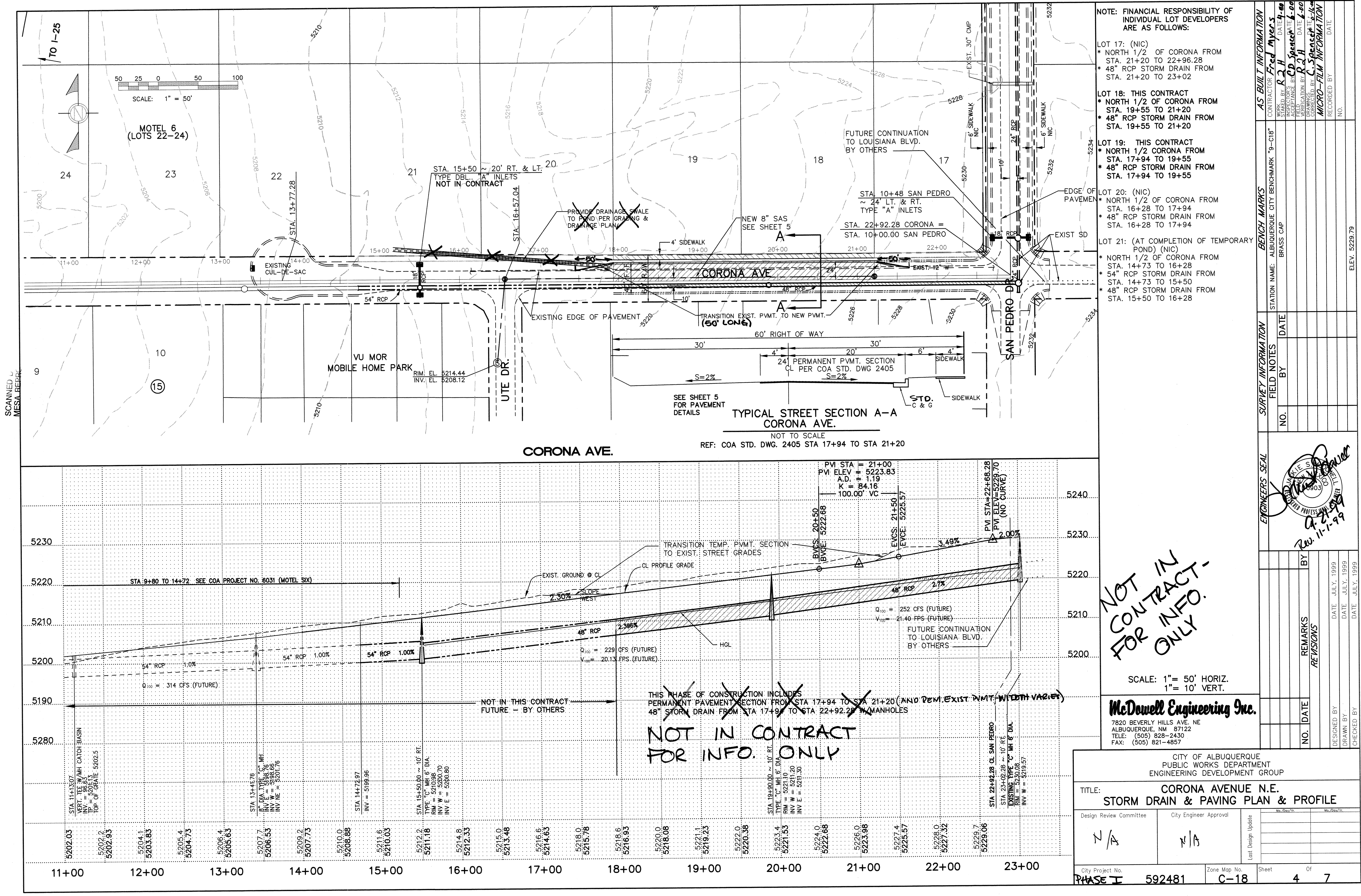
CITY OF ALBUQUERQUE, BERNALILLO COUNTY NEW MEXICO

LOTS 18 & 19, BLOCK 14, TRACT A
UNIT B, NORTH ALBUQ. ACRES

WEAVER DEVELOPMENT - GRADING & DRAINAGE PLAN

McDowell Engineering Inc.

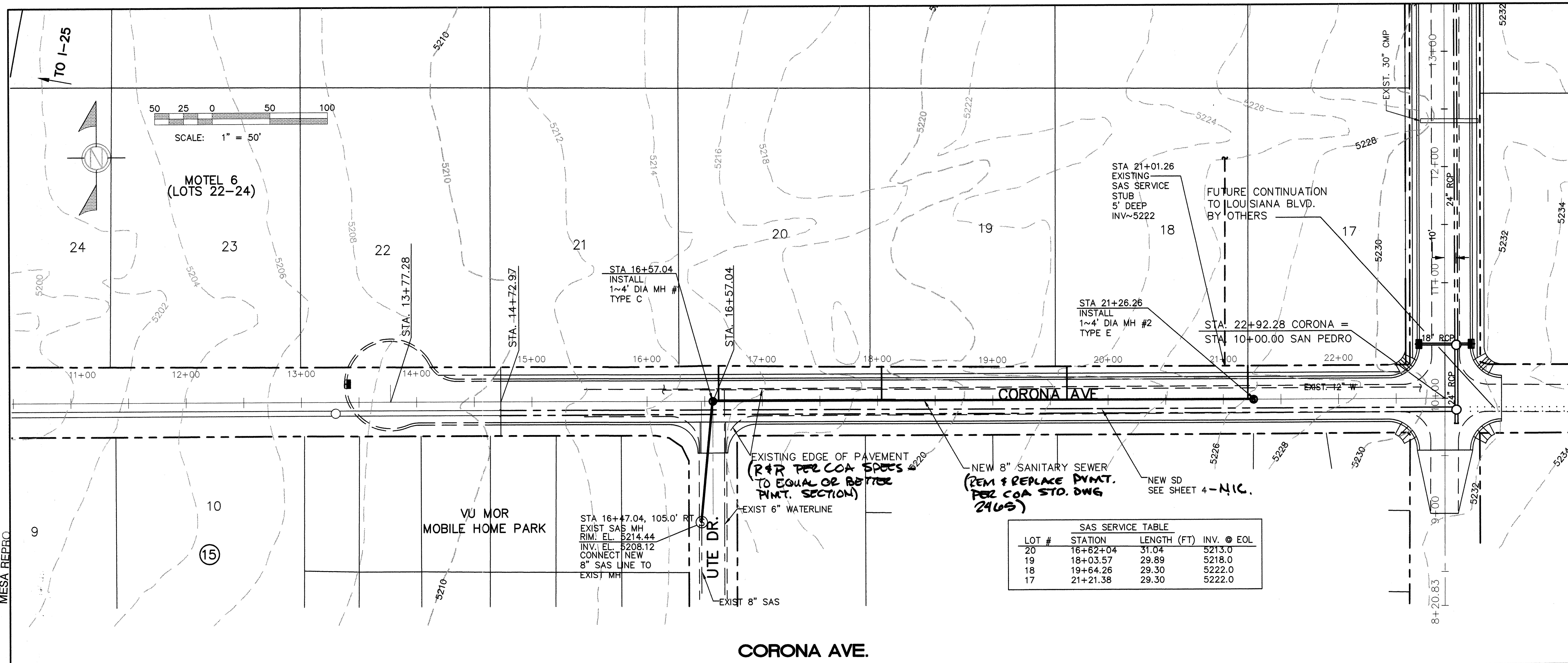
Designed JSM Drawn STAFF Checked JSM Sheet of
File WLO197T Date APRIL, 1999 1 1



AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEERS SEAL	
CONTRACTOR	DATE	STATION NAME	ALBUQUERQUE CITY BENCHMARK "9-C18"	FIELD NOTES	DATE		
INSPECTOR	DATE	BRASS CAP		NO.	BY		
FIELD	DATE					REMARKS	REVISIONS
VERIFICATION	DATE					NO.	DATE
MICRO-FILM INFORMATION	DATE					DESIGNED BY	DATE
						DRAWN BY	DATE
						CHECKED BY	DATE

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: CORONA AVENUE N.E. STORM DRAIN & PAVING PLAN & PROFILE			
Design Review Committee	City Engineer Approval	Last Design Update	
N/A	N/A		
City Project No.	Zone Map No.	Sheet	Of
PHASE I 592481	C-18	4	7

SCANNED BY:
MESA REPRO



~~SOIL DISCLAIMER NOTE:~~

~~FOR SUBGRADE SOIL WITH R-VALUE $\geq$ 50 COMPACT TO 90%.
SOIL NOT HAVING THE MINIMUM R-VALUE SHALL BE REMOVED
TO A DEPTH OF 2 FEET AND REPLACED BY THE CONTRACTOR
WITH SUITABLE MATERIAL OR A PAVEMENT SECTION SHALL
BE DESIGNED ACCOMMODATING THE R-VALUE PER COA
STANDARD SPECIFICATIONS.~~

1-1/2" ASPHALT CONCRETE —
TYPICAL FINISH COURSE PLACED
AFTER ALL MANHOLE & VALVE
COVERS/RINGS ARE SET TO
GRADE. 1500 LBS. STABILITY
TYPE B GRADATION.

FINISH SURFACE OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT COMPACTION MOISTURE RANGE OR PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/FINAL SURFACING COMPLETED. SUBGRADE PREP SHALL BE PERFORMED AFTER A SUBSURFACE R/W UTILITIES CONSTRUCTION COMPLETED.

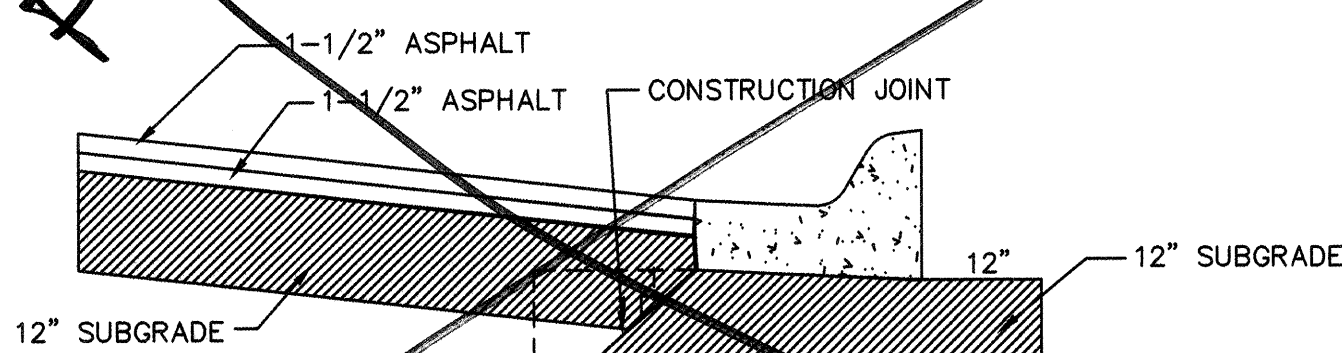
90% MIN. COMPACTION

-TACK COAT AS REQUIRED BY THE ENGINEER BETWEEN ALL ASPHALT/AGGREGATE MATERIAL LIFTS.

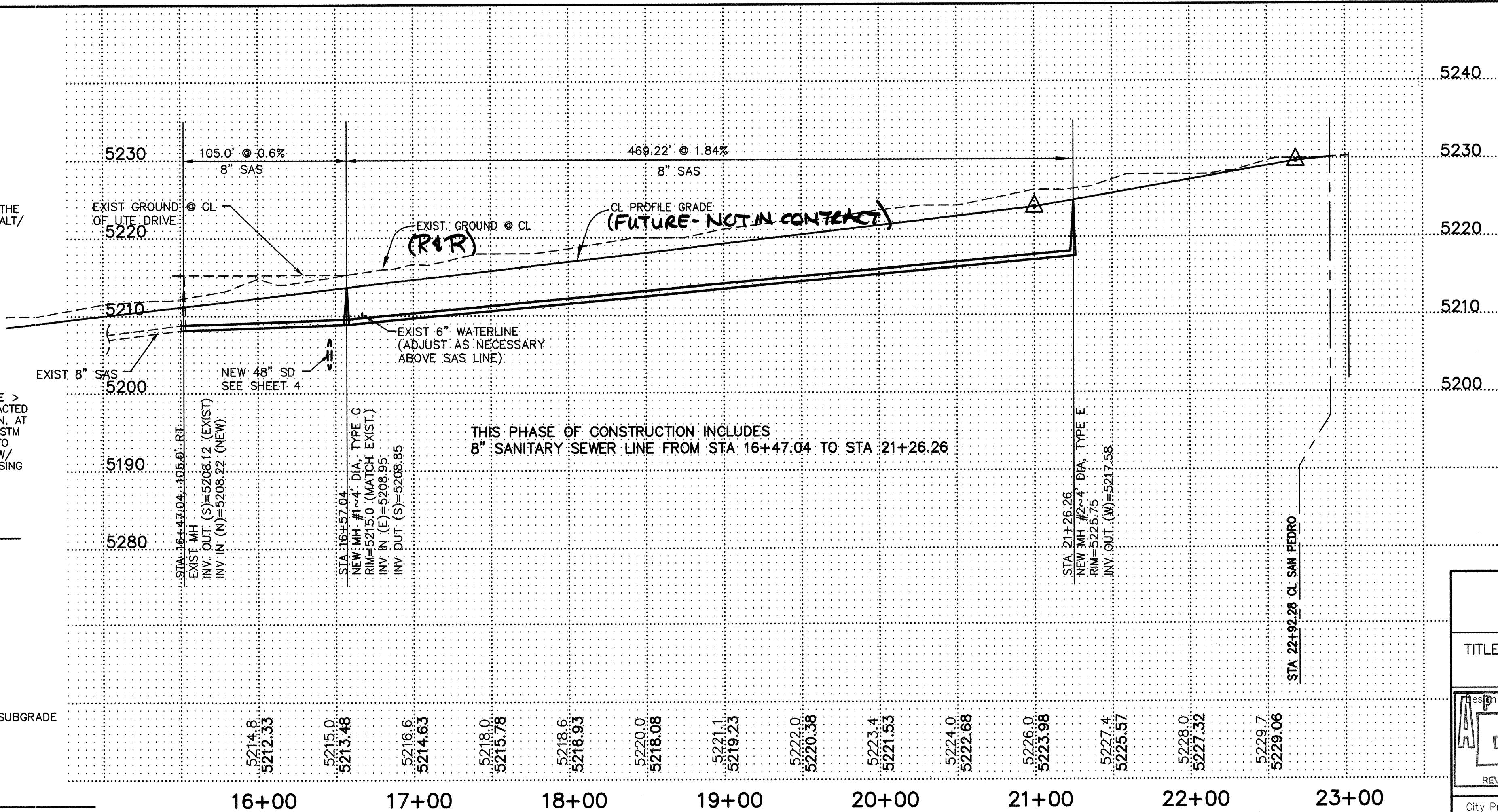
1-1/2" ASPHALT CONCRETE,
1500 LBS. STABILITY, TYPE A
GRADATION.

- 1' SUBGRADE SOIL. R-VALUE > 50. PLACED IN 1-6" COMPACTED LIFTS. 95% MIN. COMPACTION, AT OPT. MOISTURE +/- 2.0%, ASTM D1557, OR OPT. MOISTURE, TO +4%, ASTM D698 FOR SOIL W/ 35% OR MORE MATERIAL PASSING THE NO. 200 SIEVE.

PAVEMENT SECTION (COA STD. DWG. 2405)



~~SUBGRADE @ CURB DETAIL~~



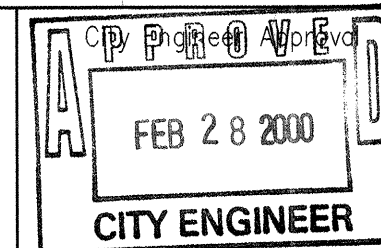
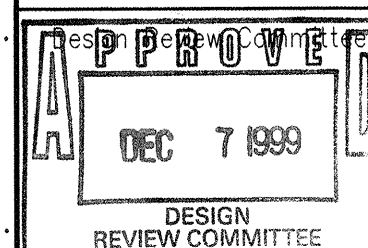
SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

McDowell Engineering Inc.

7820 BEVERLY HILLS AVE. NE
ALBUQUERQUE, NM 87122
TELE: (505) 828-2430
FAX: (505) 821-4857

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: CORONA AVENUE N.E.
SANITARY SEWER PLAN & PROFILE



City Project No.	Zone Map No.	Sheet	Of
PHASE I 592481	C-18	5	7

CONTRACTOR <i>Fred Myers</i>	
WORK STARTED BY <i>R2H</i>	DATE <i>4-90</i>
DESIGNED BY <i>C. Spencer</i>	DATE <i>4-90</i>
FIELD VERIFICATION BY <i>R2H</i>	DATE <i>6-90</i>
DRAWINGS CHECKED BY <i>C. Spencer</i>	DATE <i>6-90</i>
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS
STATION NAME: ALBUQUERQUE CITY BENCHMARK "9-C18"
BRASS CAP
ELEV. 5229.79

[illegible]

ENGINEERS' SEAL

STATE OF NEW MEXICO
10903

G. S. [Signature]
Rev. 11-1-99

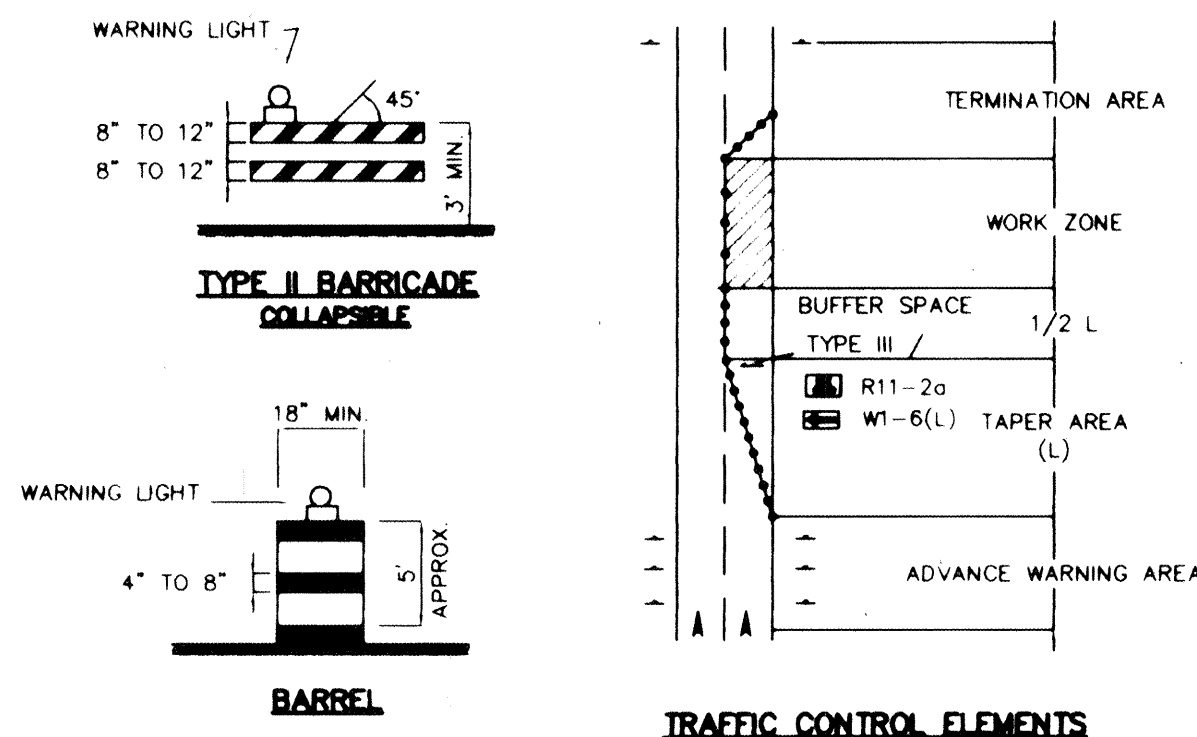
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20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY. 4

1. CONTRACTOR SHALL PROVIDE ACCESS TO ALL RESIDENTS AND BUSINESSES AT ALL TIMES.
2. THE CONTRACTOR IS ADVISED THAT REQUESTS FOR PERMITS MAY BE DENIED OR DELAYED IN ORDER TO COORDINATE WITH OTHER ON-GOING WORK IN THE AREA.



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

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

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM SPACING IN FEET	DEVICE AFTER TAPER
	10' LANE	11' LANE	12' LANE			
20	70	75	80	5	20	20
25	105	115	125	5	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

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET	
	BETWEEN SIGNS	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

<u>TYPE OF TAPER</u>	<u>TAPER LENGTH</u>
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

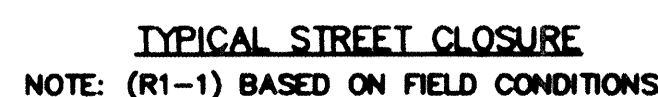
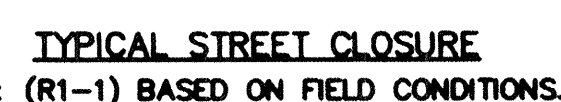
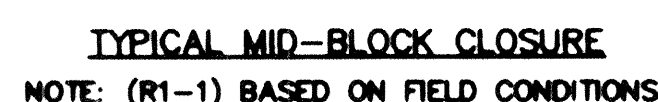
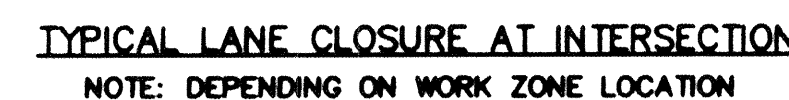
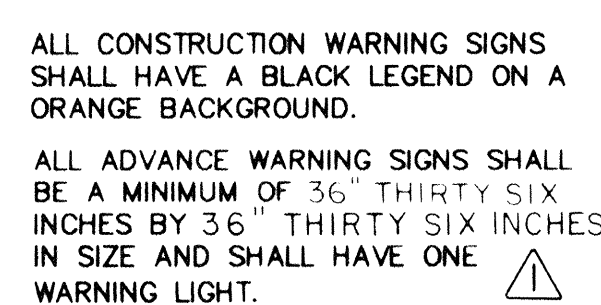
<u>SPEED LIMIT</u>	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK
85-PERCENTILE SPEED IN MPH

W1-1(R) 30 MPH or LESS	W1-1(L) 30 MPH or LESS	W1-2(R) 30 MPH or GREATER	W1-2(L) 30 MPH or GREATER	W1-3(R) 30 MPH or LESS	W1-3(L) 30 MPH or LESS	W1-4(R) 30 MPH or GREATER	W1-4(L) 30 MPH or GREATER	W1-6(R) 24"	W1-6(L) 24"	W3-1
W4-2(R) 36"	W4-2(L) 36"	W6-3 36"	W8-1 36"	W8-3 36"	W8-3A 36"	W8-7 36"	W13-1 24"	W12-1 36"	W8-9a 36"	W14-2 36"
W20-1 36"	W20-2 36"	W20-3 36"	W20-4 36"	W20-5(R) 36"	W20-5(L) 36"	W20-5(2R) 36"	W20-5(2L) 36"	W20-5(C) 36"	W20-7 36"	W20-7a 36"
R1-1 30"	R1-2 36"	R2-1 30"	R2-5a 24"	R2-5b 24"	R3-1 24"	R3-2 24"	R3-3 24"	R3-7(R) 24"	R3-7(L) 24"	R4-7b 24"
R5-1 30"	R5-1a 36"	R6-1(R) 12"	R6-1(L) 36"	R7-1 18"	R11-2 48"	R11-2a 48"	R11-4 60"	M4-8a 24"	M4-9(R) 30"	M4-9(L) 30"
				ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.						
SPECIAL SIGN 10	SPECIAL SIGN 20	SPECIAL SIGN 30	SPECIAL SIGN 50							
M4-10(R) 48"	M4-10(L) 48"	G20-2 60"								

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

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP				
TITLE:				
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS				
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR	MO./DAY/YR
CON	STD			
PROJECT NO.	592481	MAP NO.	C-18	SHEET 6 OF 7



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP															
TITLE:															
TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)															
DESIGN REVIEW COMMITTEE C/A	CITY ENGINEER APPROVAL STD.	LAST UPDATE	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 2px 5px;">MO./DAY/YR</th> <th style="padding: 2px 5px;">MO./DAY/YR</th> </tr> </thead> <tbody> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> </tbody> </table>	MO./DAY/YR	MO./DAY/YR										
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PROJECT NO. 592481	MAP NO. C-18	SHEET 7 OF 7													