

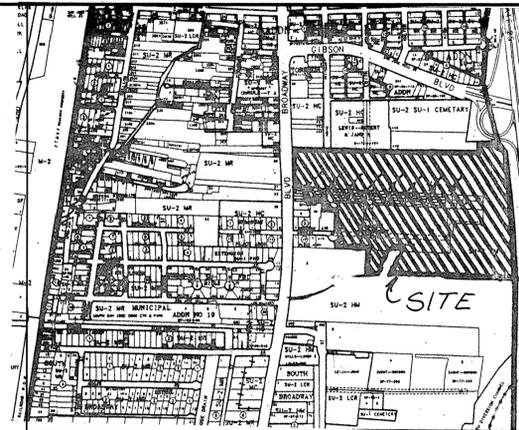
CONSTRUCTION PLANS

FOR

BROADWAY INDUSTRIAL CENTER

UNIT III

ALBUQUERQUE, NEW MEXICO



VICINITY MAP ZONE ATLAS# M-14
SCALE: NONE

GENERAL NOTES

NOTICE TO CONTRACTORS

- CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE 6, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) AND DETERMINE LOCATION OF EXISTING UTILITIES.
- PRIOR TO ANY 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 THE SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY.
- ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
- 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 (788-2551) 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 CONTRACTOR IN EXISTING OR NEW LOCATION AS INDICATED BY THIS SET.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER 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.
- ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HOURS CONSTRUCTION.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- 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 THE CITY ENGINEER.
- SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

FOR INFORMATION ONLY

T. Shoemaker
APPROVAL OF RECORD DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 5/11/06

SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that the 'as-built' information shown on these drawings was obtained from field construction and 'as-built' surveys performed by me or under my supervision, that the 'as-built' information shown on these drawings was added by me or under my supervision, and that this 'as-built' information is true and correct to the best of my knowledge and belief." Aldrich Land Surveying is not responsible for any of the design concepts, calculations, engineering, or intent of the record drawings.

[Signature]
Timothy Aldrich, P.S. No. 7719
Date 10-12-00

SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that the 'as-built' information shown on these drawings was obtained from field construction and 'as-built' surveys performed by me or under my supervision, that the 'as-built' information shown on these drawings was added by me or under my supervision, and that this 'as-built' information is true and correct to the best of my knowledge and belief." Aldrich Land Surveying is not responsible for any of the design concepts, calculations, engineering, or intent of the record drawings.

[Signature]
Timothy Aldrich, P.S. No. 7719
Date 03-31-00
NOTE: THIS CERTIFICATION PERTAINS TO WATER AND SANITARY SEWER ONLY!
TA

SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that the 'as-built' information shown on these drawings was obtained from field construction and 'as-built' surveys performed by me or under my supervision, that the 'as-built' information shown on these drawings was added by me or under my supervision, and that this 'as-built' information is true and correct to the best of my knowledge and belief." Aldrich Land Surveying is not responsible for any of the design concepts, calculations, engineering, or intent of the record drawings.

[Signature]
Timothy Aldrich, P.S. No. 7719
Date 02-24-00
NOTE: THIS CERTIFICATION PERTAINS TO SHEET 5 OF 14, CHANGE ORDER #1 ONLY!
TA

INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2 - 3	PLAT
4	GRADING AND DRAINAGE PLAN
5	MASTER PAVING & UTILITY PLAN
6	PAVING IMPROVEMENTS
7 - 9	UTILITY IMPROVEMENTS
10 - 12	STORM DRAIN IMPROVEMENTS
13 - 14	TRAFFIC CONTROL PLANS

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE 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 EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

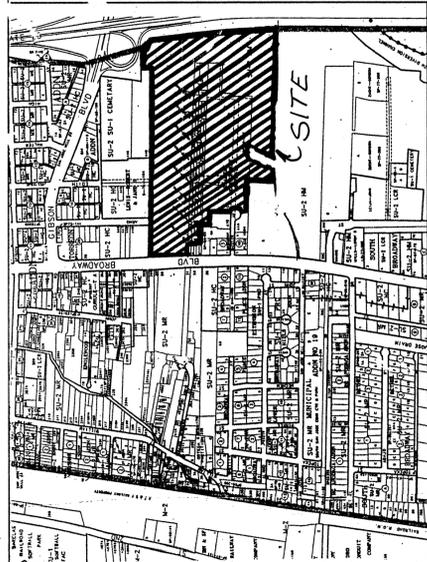
dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P. O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-8539

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
Δ 5		Fred J. Ogden	2-15-00	DRB	2/14/00		

ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	APPROVED FOR CONSTRUCTION
<i>[Signature]</i>	DRG CHAIRMAN	<i>[Signature]</i>	10/19/99	<i>[Signature]</i>
	TRANSPORTATION	<i>[Signature]</i>	6-27-99	
	WATER/WASTEWATER	R. W. Rame	7-6-99	
	HYDROLOGY	<i>[Signature]</i>	6/29/99	
	CIP	<i>[Signature]</i>		
	CONSTR. MNGMT.	<i>[Signature]</i>	10/19/99	CITY ENGINEER DATE
	BERNALILLO CO.			
	CITY PROJECT NO.		6102.81	SHEET OF 1 14

LEGAL DESCRIPTION (SEE SHEET 1)
 PURPOSE OF PLAT (SEE SHEET 4)
 NOTES (SEE SHEET 4)

PLAT FOR
BROADWAY INDUSTRIAL CENTER
 SUBDIVISION
 UNIT 3
 WITHIN
 PROJECTED SECTION 28, 29, 32, & 33
 TOWNSHIP 10 NORTH, RANGE 3 EAST, NMPM
 CITY OF ALBUQUERQUE,
 BERNALILLO COUNTY, NEW MEXICO
 FEBRUARY 1999



LOCATION MAP
 ZONE ATLAS
 SCALE: NONE

SUBDIVISION DATA	
PLAT CASE NOS.	DRB. 99-08 S. 99-06 V. 99-06
GROSS ACREAGE	46.3566 AC
ZONE ATLAS NO.	M-14-Z
NO. OF EXISTING TRACTS/LOTS	4 TRACTS, 38 LOTS
NO. OF TRACTS/LOTS CREATED	12 LOTS
NO. OF TRACTS/LOTS ELIMINATED	4 TRACTS, 38 LOTS
MILES OF FULL WIDTH STREETS CREATED	0.1925
AREA DEDICATED TO CITY OF ALBUQUERQUE	0.6249 AC
DATE OF SURVEY	JULY & AUGUST, 1997
UTILITY CONTROL LOCATION SYSTEM LOG NUMBER	98031908410189

FREE CONSENT AND DEDICATION
 The subdivision hereon described is with the free consent and in accordance with the desires of the undersigned owner(s) and/or proprietor(s) thereof and said owner(s) and/or proprietor(s) do hereby dedicate all streets and public right-of-ways shown hereon to the City of Albuquerque in fee simple with warranty covenants and do hereby grant: all access, utility and drainage easements shown hereon including the right to construct, operate, inspect, and maintain facilities therein; and all public utility easements shown hereon for the common and joint use of gas, electrical power and communication services for buried distribution lines, conduits, and pipes for underground and overhead utilities where shown or indicated, and including the right of ingress and egress for construction and maintenance, and the right to trim interfering trees and shrubs. Said owner(s) and/or proprietor(s) do hereby consent to all of the foregoing and do hereby certify that this subdivision is their free act and deed.

SURVEYOR'S CERTIFICATION

I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat and description were prepared by me under my supervision, shows all easements as shown by the plat and/or other records, and that the same are correct and/or proprietors of the subdivision shown hereon, utility companies and other parties expressing an interest and meets the minimum requirements for monumentation and surveys of the Albuquerque Subdivision Ordinance, and further meets the Minimum Standards for Land Surveying in the State of New Mexico (Effective November 1, 1989 and revisions effective December 23, 1991 and February 2, 1994), and is true and correct to the best of my knowledge and belief.

Timothy Aldrich
 TIMOTHY ALDRICH, P.S. No. 7715
 DATE: **03-10-99**

APPROVED AND ACCEPTED BY:
 APPROVAL AND CONDITIONAL ACCEPTANCE as specified by the Albuquerque Subdivision Ordinance, Article XI of Chapter 7 of the Revised Ordinances of Albuquerque, New Mexico.

Subdivision Case No. _____
 Planning Director, City of Albuquerque, N.M. _____ Date _____
 City Engineer, City of Albuquerque, N.M. _____ Date _____
 Albuquerque Metropolitan Arroyo Flood Control Authority _____ Date _____
 Transportation Development, City of Albuquerque, N.M. _____ Date _____
 Utility Development Division, City of Albuquerque, N.M. _____ Date _____
 Parks and Recreation and Development, C.I.P., City of Albuquerque, N.M. _____ Date _____
 City Surveyor, City of Albuquerque, N.M. **03-22-99** _____ Date _____
 Property Management, City of Albuquerque, N.M. _____ Date _____

Paul Walker
 PNM GAS
 Date: **4-21-99**
John Shaw
 U.S. Telephone Communications
 Date: **3-17-99**
Paul Walker
 PNM ELECTRIC
 Date: **4-21-99**
Paul Walker
 Jones Interactable, Inc.
 Date: **3-15-99**

PNM DISCLAIMER
 By approving this plat, PNM does not waive or release any easement or easement rights (other than those released by this plat) which may have been created by prior plat, replat, or document.

dwg: 8027PL17 Drawn: DBC, B&G Checked: ALS Job: 98027
 Scale: 1" = 100' Date: 2/16/97 Sheet 1 of 5

Bernalillo County a Political Subdivision of the State of New Mexico
 Juan Vigil, County Manager
 STATE OF NEW MEXICO }
 COUNTY OF BERNALILLO } ss
 This instrument was acknowledged before me on **March 11, 1999**
Corinne Herrera
 NOTARY PUBLIC
 MY COMMISSION EXPIRES **10-7-2000**

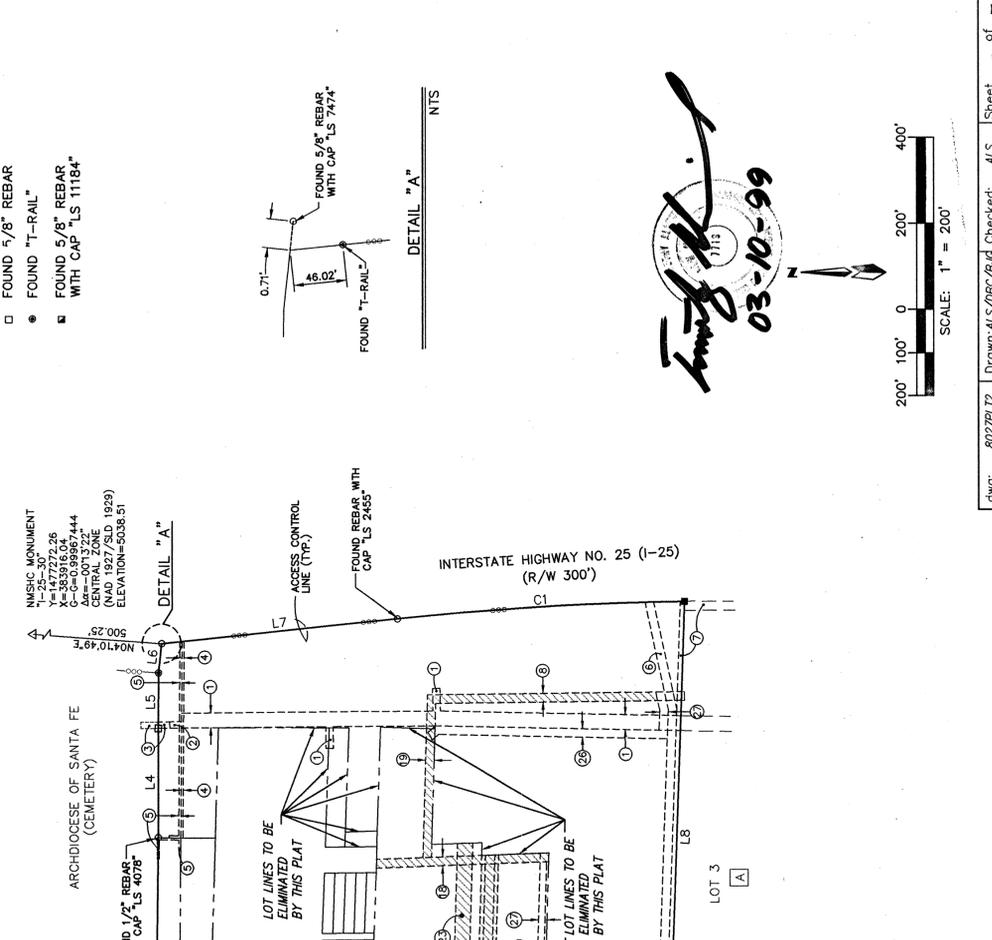
BROADWAY DEVELOPMENT LLC, a New Mexico Corporation
 TED A. WATERMAN, Managing General Partner
 STATE OF NEW MEXICO }
 COUNTY OF BERNALILLO } ss
 This instrument was acknowledged before me on **March 9, 1999**
Sheri Thacker
 NOTARY PUBLIC
 MY COMMISSION EXPIRES **7/2/02**

PLAT FOR
BROADWAY INDUSTRIAL CENTER
 SUBDIVISION
 UNIT 3
 WITHIN

PROJECTED SECTION 28, 29, 32, & 33
 TOWNSHIP 10 NORTH, RANGE 3 EAST, NMPM
 CITY OF ALBUQUERQUE,
 BERNALILLO COUNTY, NEW MEXICO
 FEBRUARY 1999

dwg: 8027PL17 Drawn: DBC, B&G Checked: ALS Job: 98027
 Scale: 1" = 100' Date: 2/16/97 Sheet 1 of 5

- EASEMENT DATA**
- EXISTING 35' P.N.M. EASEMENT (10-15-53, BK. D258, PGS. 15-17)
 - EXISTING 15' P.N.M. & M.S.T.&T. EASEMENT (11-24-53, BK. D261, PGS. 265-267)
 - EXISTING 15' P.N.M. & M.S.T.&T. EASEMENT (01-05-54, BK. D265, PGS. 158-160)
 - EXISTING 5' P.N.M. & M.S.T.&T. EASEMENT (11-20-53, BK. D261, PGS. 69-70)
 - EXISTING 5' P.N.M. & M.S.T.&T. EASEMENT (10-05-53, BK. D256, PG. 623)
 - EXISTING 20' C.O.A. STORM SEWER EASEMENT (05-29-61, BK. D586, PGS. 549-550)
 - EXISTING C.O.A. WATERLINE, SANITARY SEWER AND PUBLIC UTILITY EASEMENT (03-04-74, BK. MISC-358, PGS. 590-581)
 - PORTION OF EXISTING 20' C.O.A. WATERLINE EASEMENT (02-15-60, BK. BCR 90-3, PGS. 3985-3987) TO BE VACATED BY THIS PLAT (V-99-6)
 - EXISTING 5' P.N.M. & M.S.T.&T. EASEMENT (03-04-74, BK. D256, PGS. 641-642) TO BE VACATED BY THIS PLAT (V-99-6)
 - EXISTING 20' C.O.A. STORM SEWER EASEMENT (08-11-61, BK. D606, PGS. 537-540)
 - EXISTING ACCESS EASEMENT (09-22-74, BK. D154, PGS. 264-265)
 - EXISTING 10' P.U.E. (09/11/98, VOL. 98C, FOL. 286)
 - PORTION OF EXISTING PRIVATE ACCESS AND LANDSCAPE EASEMENT (11-08-86, DOC. NO. 80121894)
 - PORTION OF EXISTING PRIVATE ACCESS AND LANDSCAPE EASEMENT TO BE VACATED BY THIS PLAT (V-99-6)
 - PORTION OF EXISTING 40' UTILITY EASEMENT TO BE VACATED BY THIS PLAT (V-99-6)
 - PORTION OF EXISTING 22' PRIVATE ACCESS & DRAINAGE EASEMENT (09-28-85, C28-86) TO BE VACATED BY THIS PLAT (V-99-6)
 - 24' PUBLIC WATERLINE EASEMENT GRANTED BY THIS PLAT TO THE CITY OF ALBUQUERQUE
 - 20' PUBLIC DRAINAGE EASEMENT GRANTED BY THIS PLAT TO THE CITY OF ALBUQUERQUE
 - 20' PRIVATE DRAINAGE AND PUBLIC EMERGENCY ACCESS EASEMENT GRANTED BY THIS PLAT TO THE CITY OF ALBUQUERQUE



PROPERTY CORNERS

- SET 5/8" REBAR WITH CAP "ALS LS 7719"
- FOUND 5/8" REBAR WITH CAP "ALS LS 7719"
- FOUND 5/8" REBAR WITH CAP "ALS LS 7719"
- FOUND "T-RAIL"
- FOUND 5/8" REBAR WITH CAP "ALS LS 11184"

ADJOINERS

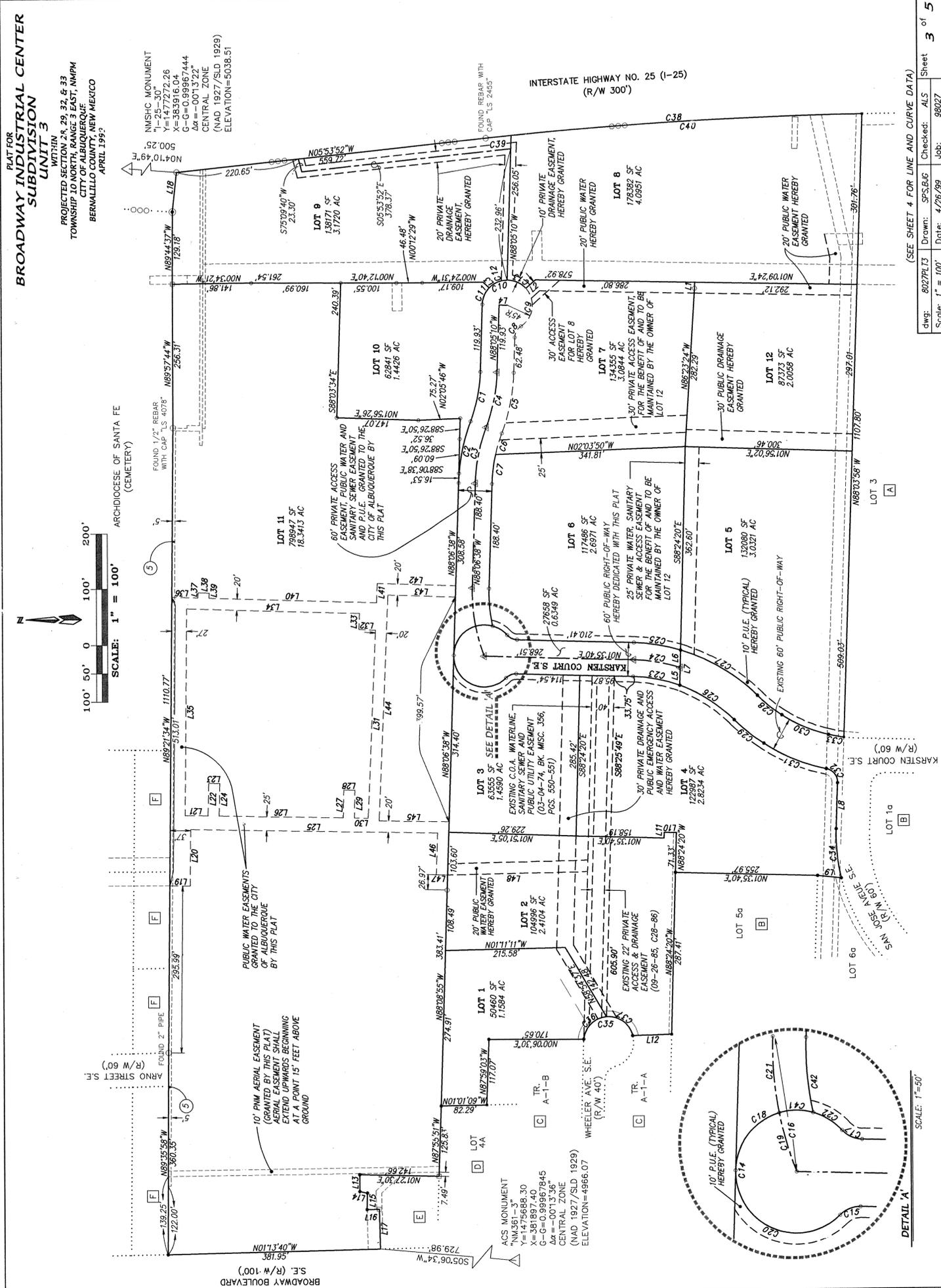
- A BROADWAY INDUSTRIAL CENTER SUBDIVISION, UNIT 1 (12-05-97, 97C-345)
- B BROADWAY INDUSTRIAL CENTER SUBDIVISION, UNIT 1 REPLAT (09-11-96, 98C-280)
- C LANDS OF BROADWAY DEVELOPMENT COMPANY (10-20-88, C40-28)
- D BROADWAY PLACE ADDITION, BLOCK 3 (05-12-94, 94C-157)
- E C.O.A. PUBLIC WORKS DEPARTMENT SOILS TESTING LABORATORY (09-22-76, D15A, 264-265)
- F PORTIONS OF TRACT 369 M.R.G.C.D. MAP NO. 41

LEGEND

INDICATES A PORTION OF AN EXISTING EASEMENT HEREBY VACATED BY THIS PLAT

City Project # 6102.810 Map M-14 • Sheet 2 of 14

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 Scale: 1" = 200' Date: 2/15/99 Sheet 2 of 5



BROADWAY INDUSTRIAL CENTER SUBDIVISION UNIT 3

PROJECTED SECTION 28, 29, 32, & 33
TOWNSHIP 10 NORTH, RANGE 3 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
APRIL 1999

LINE DATA

NUMBER	DIRECTION	DISTANCE
L1	N87°30'37"W	10.89
L2	N41°50'48"W	23.20
L3	N43°35'52"E	15.26
L4	N01°54'50"E	15.00
L5	N88°24'20"W	31.41
L6	N88°24'20"W	31.14
L7	N88°24'20"W	62.56
L8	N88°03'58"W	82.05
L9	N07°25'52"E	42.99
L10	N01°35'40"E	22.12
L11	N01°46'60"W	70.30
L12	N01°46'60"W	70.30
L13	N01°46'60"W	13.90
L14	N01°46'60"W	28.92
L15	N88°18'52"W	28.92
L16	N01°18'52"W	22.17
L17	N88°41'12"E	71.49
L18	N88°59'57"W	69.90
L19	N00°38'26"E	100.71
L20	N89°21'54"W	100.71
L21	N01°01'12"E	41.24
L22	N88°58'48"W	58.00
L23	N01°01'12"E	20.00
L24	N88°58'48"W	58.00
L25	N01°01'12"E	444.37
L26	N01°01'12"E	223.33
L27	N88°58'48"W	49.15
L28	N01°01'12"E	20.00
L29	N88°58'48"W	49.15
L30	N01°01'12"E	24.71
L31	N87°29'54"W	333.23
L32	N01°01'12"E	30.00
L33	N87°29'54"W	29.00
L34	N01°43'24"E	311.12
L35	N89°21'54"W	366.72
L36	N01°43'24"E	47.02
L37	N88°18'52"W	9.00
L38	N01°43'24"E	9.00
L39	N88°18'52"W	9.00
L40	N01°43'24"E	301.76
L41	N87°29'54"W	34.15
L42	N01°43'24"E	141.16
L43	N01°43'24"E	12.38
L44	N87°29'54"W	401.50
L45	N01°01'12"E	125.68
L46	N88°06'36"W	74.69
L47	N01°43'24"E	20.00
L48	S01°13'31"E	252.23

CURVE DATA

NUMBER	Radius	Delta	Length	Chord	Bearing
C1	270.00	197.202°	92.46	90.03	N78°29'10"E
C2	300.00	197.132°	110.73	110.21	N78°25'53"W
C3	300.00	197.132°	100.66	100.19	N78°29'53"W
C4	300.00	197.132°	100.53	100.06	N78°29'10"W
C5	300.00	197.132°	110.59	110.07	N78°29'10"W
C6	270.00	197.132°	38.71	38.68	N78°29'56"W
C7	270.00	197.132°	51.88	51.80	N82°36'20"W
C8	25.00	55.08560°	24.06	23.15	N60°30'40"W
C9	45.00	98°54'38"	77.68	68.39	N82°32'29"W
C10	45.00	135°14'23"	107.00	83.52	N19°57'59"W
C11	45.00	41°41'02"	32.74	32.02	N67°14'39"W
C12	45.00	45°37'32"	36.10	35.14	N23°25'22"W
C13	45.00	48°35'48"	38.17	37.03	N23°51'18"E
C14	55.00	273°08'06"	262.19	75.62	N89°24'20"W
C15	55.00	46°34'03"	20.32	19.76	N21°41'21"W
C16	55.00	233°56'56"	123.65	122.28	N60°08'27"E
C17	55.00	46°34'03"	20.32	19.76	N24°52'42"W
C18	55.00	71°59'53"	68.11	64.65	N52°02'27"W
C19	55.00	103°10'08"	55.08	53.03	N73°55'51"E
C20	55.00	136°51'45"	131.38	102.30	N22°27'30"E
C21	55.00	32°15'01"	30.96	30.55	N32°02'12"E
C22	55.00	32°15'01"	85.87	85.51	N10°42'22"E
C23	270.00	167°04'47"	85.59	85.30	N09°46'04"E
C24	300.00	149°02'28"	85.38	85.15	N09°00'24"E
C25	330.00	149°02'28"	116.31	115.41	N32°09'29"E
C26	270.00	24°40'51"	161.73	160.11	N30°22'31"E
C27	330.00	28°04'45"	161.73	160.11	N30°22'31"E
C28	270.00	11°49'55"	55.76	55.66	N38°34'57"E
C29	330.00	11°49'55"	68.15	68.03	N38°34'57"E
C30	270.00	19°26'59"	91.66	91.22	N22°56'30"E
C31	331.40	21°09'58"	121.91	121.22	N22°05'01"E
C32	270.00	80°26'00"	35.10	32.28	N51°43'02"E
C33	270.00	05°58'13"	28.13	28.12	N101°13'54"E
C34	330.00	15°24'21"	68.23	68.46	N84°13'54"E
C35	45.00	157°56'59"	124.08	68.34	N43°19'51"W
C36	45.00	77°56'04"	61.21	56.60	N43°19'51"W
C37	45.00	80°02'36"	62.87	57.88	N32°52'03"E
C38	45.00	80°02'36"	62.87	57.88	N32°52'03"E
C39	7489.44	05°11'34"	678.71	675.54	N02°15'05"W
C40	7489.44	00°21'08"	46.06	46.06	N02°15'05"W
C41	55.00	32°19'09"	632.71	632.52	N02°15'05"W
C42	270.00	147°19'30"	31.02	30.61	N00°14'52"W
C43	270.00	147°19'30"	67.51	67.33	N84°47'10"E

NOTES

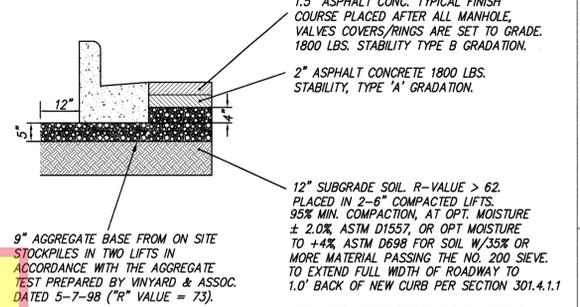
- Bearings are New Mexico State Plane Grid Bearings (Central Zone).
- Distances are ground distances.
- Bearings and distances in parenthesis are record.
- Basis of boundary are the following plats and documents of record entitled:
 - "SAN JOSE ADDITION", (05-16-24, B2-81)
 - "LANDS OF BROADWAY DEVELOPMENT COMPANY", (10-20-89, C40-28)
 - "BROADWAY INDUSTRIAL CENTER SUBDIVISION, UNIT 1", (12-05-97, 97C-345)
 - "BROADWAY INDUSTRIAL CENTER SUBDIVISION, UNIT 1 REPLAT", (00-00-98, 98C-)
 - "BROADWAY PLACE ADDITION", (05-12-94, 94C-157)
 - "PLAT OF SMALL HOLDING CLAIMS IN SECTIONS 29, 32 AND 33, T10N, R3E, NMPM", (12-05-1895)
 - "C.O.A. PUBLIC WORKS DEPARTMENT", (09-22-76, BK.D15A, PGS. 264-265)
 - "QUITCLAIM DEED", (08-30-73, BK. D949, PGS. 237-239)
 - "B.D.C. CONDOMINIUMS" (11-06-96, DOC.NO. 96121592)
- Field Survey performed July 1998.
- Utility Council Location System Log No.: 97081916120454
- Title Report: None provided.

PURPOSE OF PLAT

- TO SUBDIVIDE 4 TRACTS, 38 LOTS INTO 10 COMMERCIAL LOTS.
- TO VACATE EXISTING EASEMENTS AS SHOWN.
- TO ELIMINATE EXISTING LOT LINES AS SHOWN.

Timothy M. ...
04-20-99

ARCHDIOCESE OF SANTA FE
(CEMETERY)



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. ALL FIRE HYDRANTS TO BE 4' BURY UNLESS OTHERWISE INDICATED.
3. EXISTING 6" WL & EXISTING 8" SAS IN LOT 6 TO BE ABANDONED THIS PROJECT.
4. EXISTING 10" WL IN LOT 6, LOT 7 & LOT 8 TO BE ABANDONED THIS PROJECT.

LEGEND

- NEW RETAINING WALL
- 6" DEFERRED SIDEWALK
- STANDARD 8" CURB & GUTTER
- SD PROPOSED STORM DRAIN LINE
- SAS PROPOSED SANITARY SEWER
- WL PROPOSED WATERLINE
- NEW FIRE HYDRANT
- GATE VALVE
- TEE
- BEND
- S SANITARY SEWER SERVICE
- PROPOSED STORM DRAIN MH
- PROPOSED SAS MH
- PROPOSED STORM DRAIN GRATE
- EXISTING GATE VALVE
- EXISTING FIRE HYDRANT
- EXISTING STORM DRAIN
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING SANITARY SEWER
- STREET LIGHT
- POWER POLE
- 10' X 10' RIPRAP
- HANDICAP RAMP
- PAVEMENT PATCH

WATER SHUT-OFF NOTES

1. CONTRACTOR WILL CONTACT WATER SYSTEMS AT 857-8200, FIVE (5) DAYS PRIOR TO NECESSARY SHUT-OFF.
 2. VALVES SHALL ONLY BE OPERATED BY CITY WATER EMPLOYEES.
 3. THREE NON-PRESSURE CONNECTIONS WILL BE ACCOMPLISHED BY CLOSING 3 EXISTING VALVES.
 - A. THE 6" VALVE (#362) AT THE INTERSECTION OF WHEELER AND BROADWAY BLVD. (SEE THIS SHEET)
 - B. THE 10" VALVE ON KARSTEN COURT, JUST NORTH OF SAN JOSE. (SEE THIS SHEET)
 - C. THE 10" VALVE ON LOT 8 JUST NORTH OF THE EXISTING 10" CONNECTION TO THE 24" WATER LINE. (SEE THIS SHEET)
- VALVE "A" SHOULD BE REOPENED AS SOON AS POSSIBLE AND TO AVOID INTERRUPTION OF SERVICE TO BUSINESSES ON WHEELER AVE., CONTRACTOR IS RESPONSIBLE FOR SCHEDULING INTERRUPTION AND CONTACTING BUSINESSES IN ADVANCE.

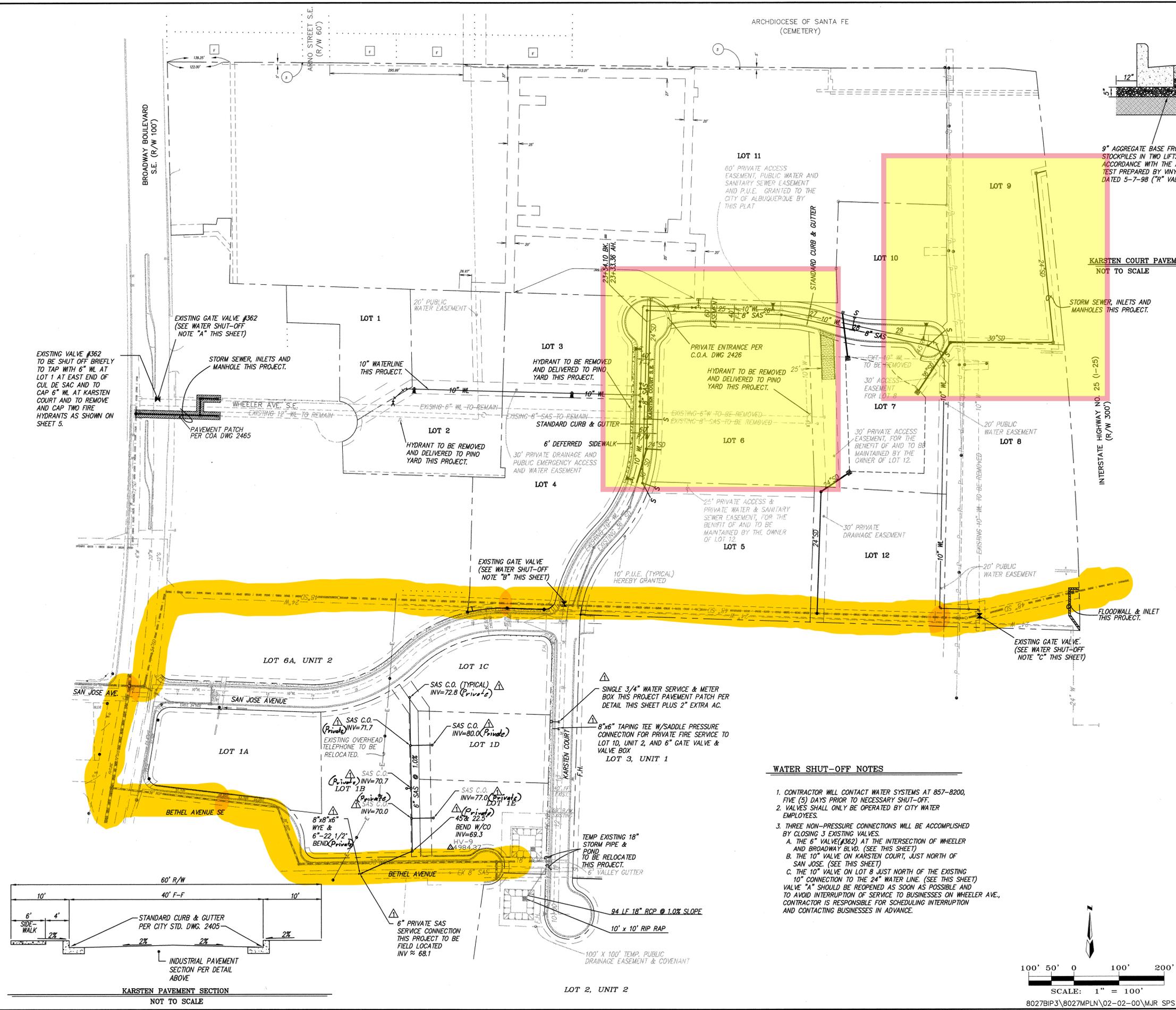
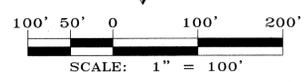
dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
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ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP**

TITLE: **BROADWAY INDUSTRIAL CENTER - UNIT III
MASTER PAVING AND UTILITY PLAN**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED OCT 19 1999	APPROVED OCT 28 1999		
DESIGN REVIEW COMMITTEE	CITY ENGINEER	LAST DESIGN UPDATE	

CITY PROJECT NO. **6102.81** ZONE MAP NO. **M-14** SHEET **5** OF **14**

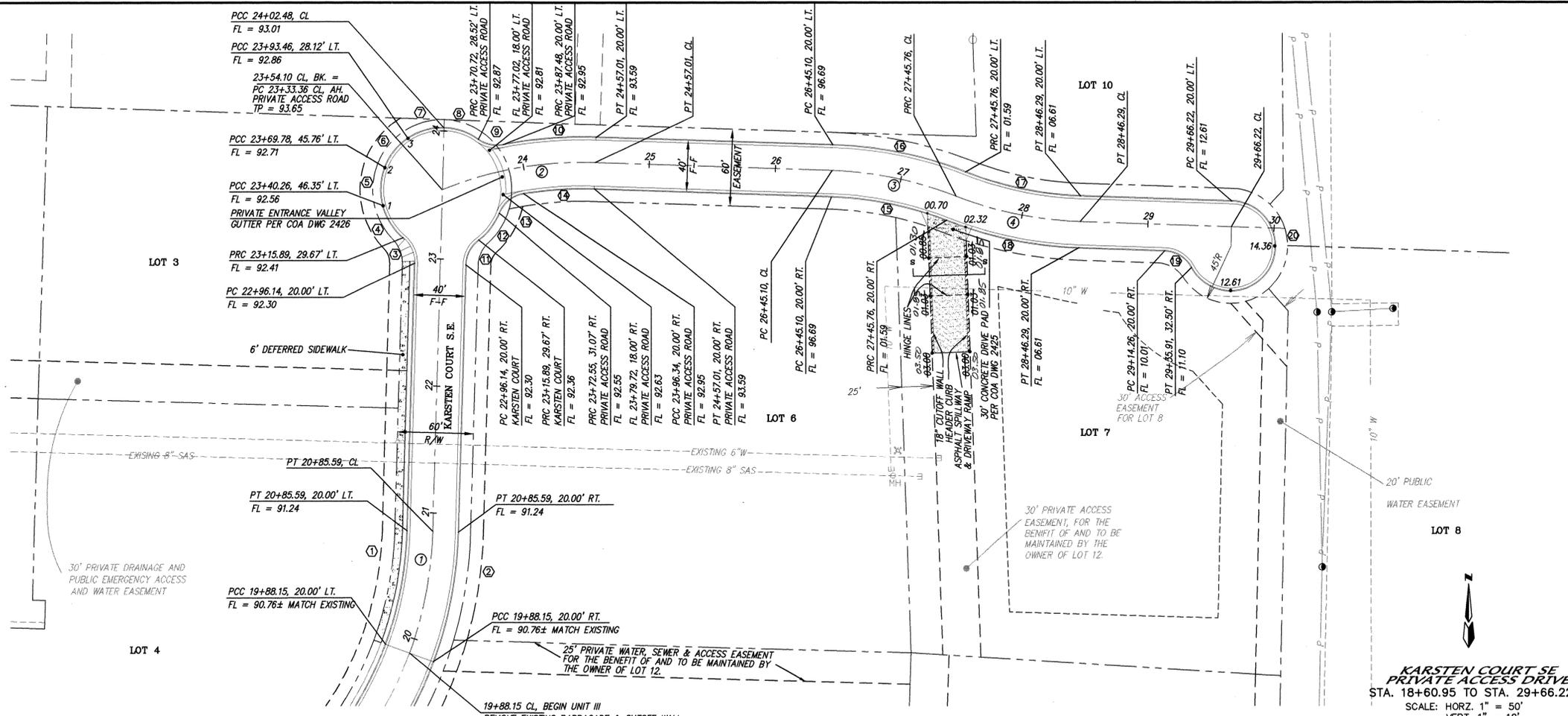


AS BUILT INFORMATION		CONTRACTOR		FRANKLIN'S	
CONTRACTOR	FRANKLIN'S	WORK STARTED BY	ALS, INC	DATE	DATE
WORK STARTED BY	ALS, INC	FIELD ACCEPTANCE BY	ALS, INC	DATE	DATE
FIELD ACCEPTANCE BY	ALS, INC	DESIGNED BY	ALS, INC	DATE	DATE
DESIGNED BY	ALS, INC	DRAWN BY	ALS, INC	DATE	DATE
DRAWN BY	ALS, INC	CHECKED BY	ALS, INC	DATE	DATE
CHECKED BY	ALS, INC	RECORDED BY	ALS, INC	DATE	DATE
RECORDED BY	ALS, INC	NO.			

SURVEY INFORMATION		FIELD NOTES	
NO.	BY	NO.	BY

ENGINEER'S SEAL		REVISIONS	
NO.	DATE	NO.	DATE

DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE
JDH	4-99	MJR	4-99	DMG	4-99



NOTES

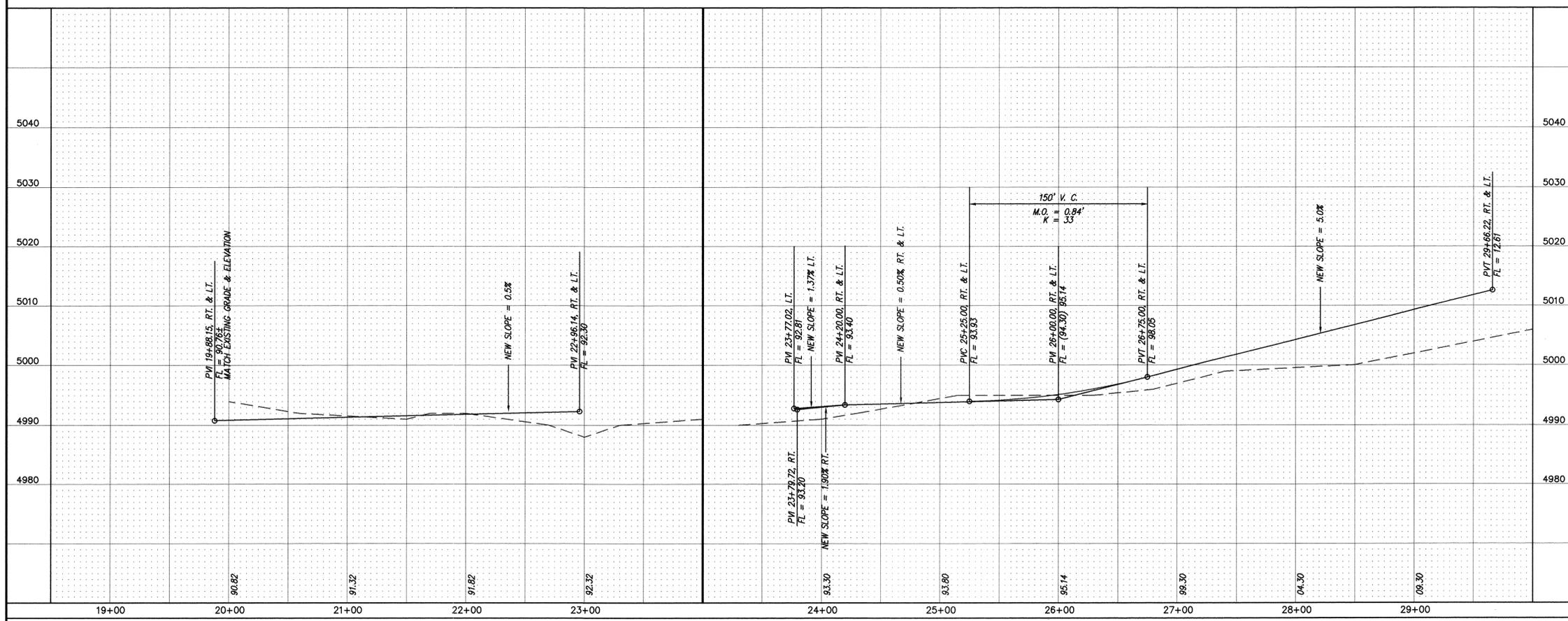
- ALL 4' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2421 AT KNUCKLES AND 6' VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2420 AT ALL INTERSECTIONS.
- ALL 6' INTERIOR SIDEWALKS ARE DEFERRED.
- ALL HANDICAP RAMPS TO BE CASE II PER CITY OF ALBUQUERQUE STANDARD DRAWING 2441. WHERE GRADES DO NOT PERMIT A MAXIMUM SLOPE OF 12:1 TO BE MAINTAINED WITHIN THE 7' LENGTH AS SPECIFIED, THEN THE 7' LENGTH AS SHOWN IN DRAWING 2441 SHALL MUST BE INCREASED TO MAINTAIN A SLOPE < 12:1.
- TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50', PER CITY OF ALBUQUERQUE STANDARD DRAWING 2401.

CURVE DATA - DESCRIBES FACE OF CURB

① Δ = 18°36'37" R = 280.00' L = 90.95' T = 45.88'	② Δ = 18°36'37" R = 320.00' L = 103.94' T = 52.43'
③ Δ = 52°10'21" R = 25.00' L = 22.76' T = 12.24'	④ Δ = 35°32'35" R = 48.38' L = 30.31' T = 15.51'
⑤ Δ = 35°32'35" R = 48.38' L = 30.31' T = 15.51'	⑥ Δ = 35°32'35" R = 48.38' L = 30.31' T = 15.51'
⑦ Δ = 35°32'35" R = 30.31' L = 15.51' T = 14.91'	⑧ Δ = 34°15'34" R = 48.38' L = 28.93' T = 14.91'
⑨ Δ = 47°11'07" R = 25.00' L = 20.59' T = 10.92'	⑩ Δ = 13°16'47" R = 320.00' L = 74.17' T = 37.25'
⑪ Δ = 52°10'21" R = 25.00' L = 22.76' T = 12.24'	⑫ Δ = 31°50'12" R = 48.38' L = 26.88' T = 13.80'
⑬ Δ = 58°25'51" R = 25.00' L = 56.63' T = 13.98'	⑭ Δ = 11°35'16" R = 280.00' L = 107.37' T = 28.41'
⑮ Δ = 19°13'29" R = 280.00' L = 93.95' T = 47.42'	⑯ Δ = 19°13'29" R = 320.00' L = 107.37' T = 54.19'
⑰ Δ = 19°12'02" R = 280.00' L = 93.83' T = 47.36'	⑱ Δ = 19°12'02" R = 320.00' L = 107.24' T = 54.13'
⑲ Δ = 60°00'00" R = 25.00' L = 26.18' T = 14.43'	⑳ Δ = 240°00'01" R = 35.00' L = 146.61' T = 60.62'

CURVE DATA - DESCRIBES CENTERLINE

① Δ = 18°36'37" LT. R = 300.00' L = 97.44' T = 49.15'	② Δ = 23°36'56" RT. R = 300.00' L = 123.65' T = 62.72'
③ Δ = 19°13'29" RT. R = 300.00' L = 100.66' T = 50.81'	④ Δ = 19°10'02" LT. R = 300.00' L = 100.53' T = 50.74'



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **BROADWAY INDUSTRIAL CENTER - UNIT III PAVING IMPROVEMENTS**

DESIGN REVIEW COMMITTEE: APPROVED OCT 19 1999
CITY ENGINEER APPROVAL: APPROVED OCT 28 1999

CITY PROJECT NO. **6102.81** ZONE MAP NO. **M-14** SHEET **6** OF **14**

AS BUILT INFORMATION

CONTRACTOR	FRANKLIN'S
WORK STAMPED BY	ALS, INC
DATE	9/1/99
ACCEPTANCE BY	
DATE	
FIELD CHECKED BY	ALS, INC
DATE	10/1/99
DRAWINGS CORRECTED BY	ALS, INC
DATE	10/1/99
MICRO-FILM INFORMATION	
RECORDED BY	
NO.	

BENCH MARKS

BM	DESCRIPTION	ELEVATION
1	1/2" x 1/2" x 1/2" CONCRETE	5038.51
2	1/2" x 1/2" x 1/2" CONCRETE	5038.51

SURVEY INFORMATION

NO.	DATE	BY
1	147722.26	X = 38395.04 G-G = 0.99967444
2	147722.26	Y = -007322.26 CENTRAL ZONE (NAD 1927/SLD 1929)
3	5038.51	ELEVATION = 5038.51

ENGINEER'S SEAL

NO.	DATE	REVISIONS
1	10/1/99	DESIGN
2	10/1/99	DESIGN

DESIGNED BY	DMG	DATE	4-99
DRAWN BY	MJR	DATE	4-99
CHECKED BY	DMG	DATE	4-99

NOT IN MODEL
MODEL DIA: N/A
AS-BUILT DIA: 30"

NOT IN MODEL
MODEL DIA: N/A
AS-BUILT DIA: 24"

NOT IN MODEL
MODEL DIA: N/A
AS-BUILT DIA: 24"

NOT IN MODEL
MODEL DIA: N/A
AS-BUILT DIA: 36"

NOT IN MODEL
MODEL INVERT: N/A
DATUM: 4986.40 + 2.67 = 4989.07

NOT IN MODEL
MODEL DIA: N/A
AS-BUILT DIA: 36"

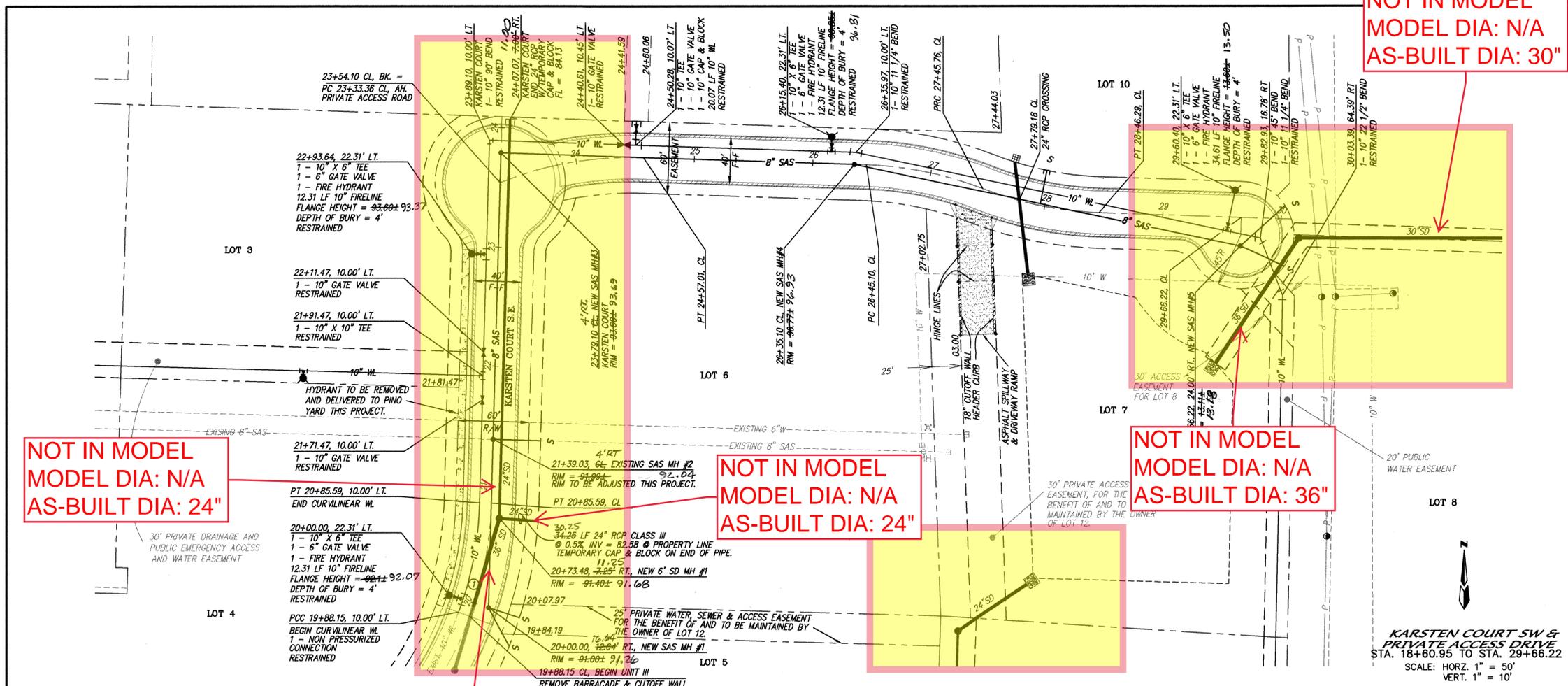
NOT IN MODEL
MODEL INVERT: N/A
DATUM: 4987.31 + 2.67 = 4989.98

NOT IN MODEL
MODEL INVERT: N/A
DATUM: 4987.31 + 2.67 = 4989.98

NOT IN MODEL
MODEL INVERT: N/A
DATUM: 4989.21 + 2.67 = 4991.88

NOT IN MODEL
MODEL INVERT: N/A
DATUM: 4982.38 + 2.67 = 4985.05

NOT IN MODEL
MODEL INVERT: N/A
DATUM: 4985.31 + 2.67 = 4987.98



- NOTES**
- ALL STATIONING IS CENTERLINE STATIONING.
 - ALL FIRE HYDRANTS TO BE 4' BURY UNLESS OTHERWISE INDICATED.
 - EXISTING 6" WL & EXISTING SAS IN LOT 6 TO BE REMOVED THIS PROJECT.
 - EXISTING 10" WL IN LOT 6, LOT 7, & LOT 8 TO BE REMOVED THIS PROJECT.
 - ALL SANITARY SEWER SERVICES ARE 6" PIPE.

CURVE DATA - DESCRIBES CURVILINEAR WATERLINE

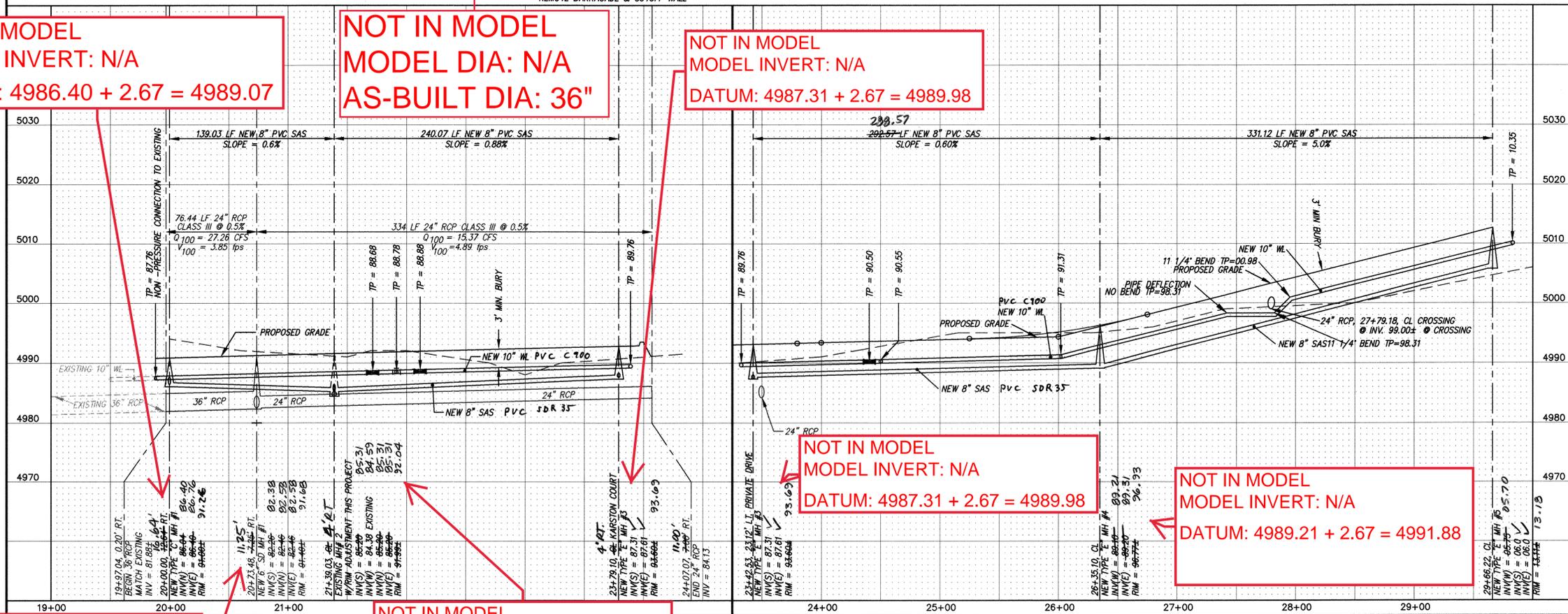
① $\Delta = 18^{\circ}36'37"$
 $R = 290.00'$
 $L = 1094.20'$
 $T = 47.52'$

SANITARY SEWER SERVICES

LOT	STATION AT PUE	INV. ELEV. AT PUE	LENGTH AT PUE
5	20+00.00	86.70	27.36
6	21+39.03	85.50	40.00
12	19+77.99	86.70	36.40

SANITARY SEWER SERVICES

LOT	STATION AT PL	INV. ELEV. AT PL	LENGTH AT PL
8	30+03.79, 39.77R	06.60	40.74'
9	30+02.87, 11.12L	06.60	50.76'
10	27+96.03	00.00	28.44'



AS BUILT INFORMATION

CONTRACTOR	DATE
FRANKLINS	10/19/99

BENCH MARKS

MARK	ELEVATION
MM5HC MONUMENT "1-25-30"	1477272.26
DELTA ALPHA	-001322"
ACS MONUMENT "MM361-3"	1475668.30
DELTA ALPHA	-001336"

ENGINEER'S SEAL

James D. Hulse
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF NEW MEXICO
 No. 17374

REVISIONS

NO.	DATE	REVISIONS
1	4-99	DESIGN
2	4-99	DESIGN

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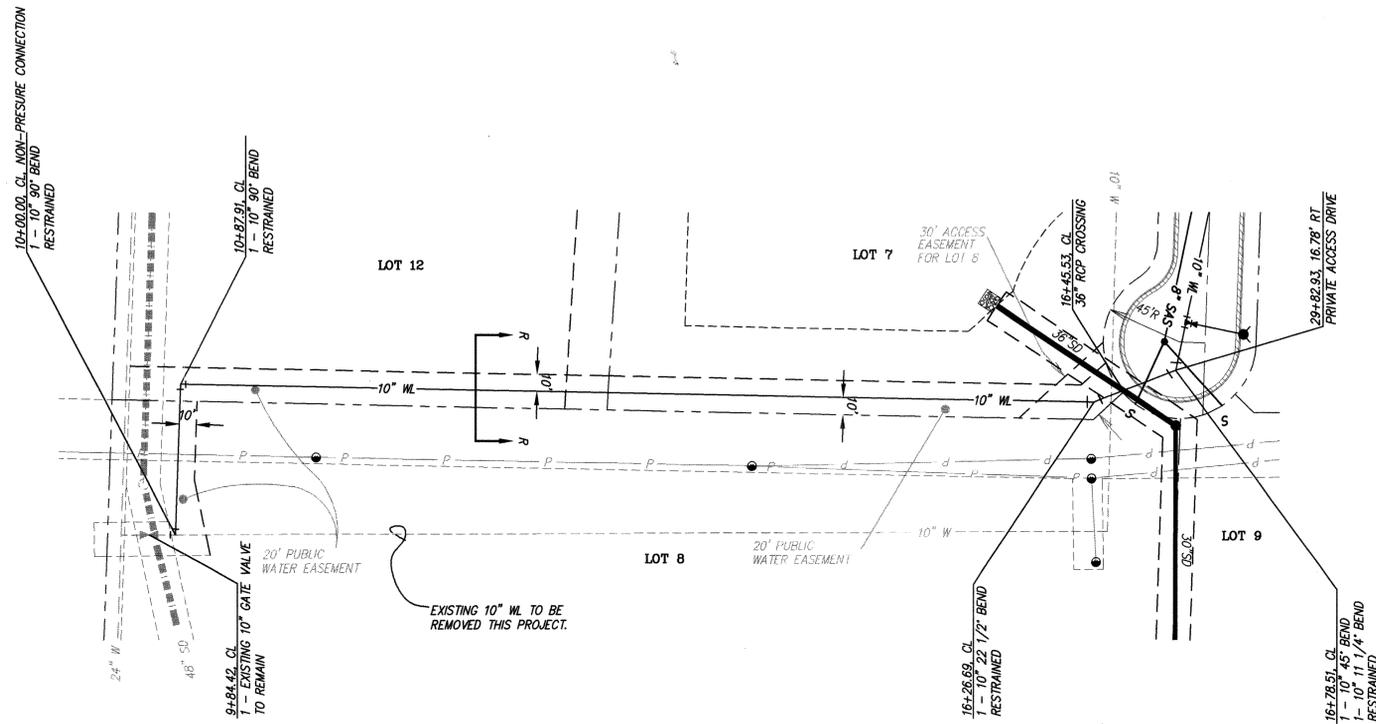
**CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP**

**TITLE: BROADWAY INDUSTRIAL CENTER - UNIT III
 UTILITY IMPROVEMENTS**

APPROVED: OCT 19 1999
 APPROVED: OCT 28 1999

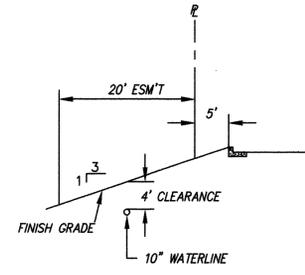
CITY PROJECT NO. **6102.81** ZONE MAP NO. **M-14** SHEET **7** OF **14**

DBS\8027B\F3\8027UL1.DWG Thu Jul 01 12:08:18 1999 PLOTTED BY KJS

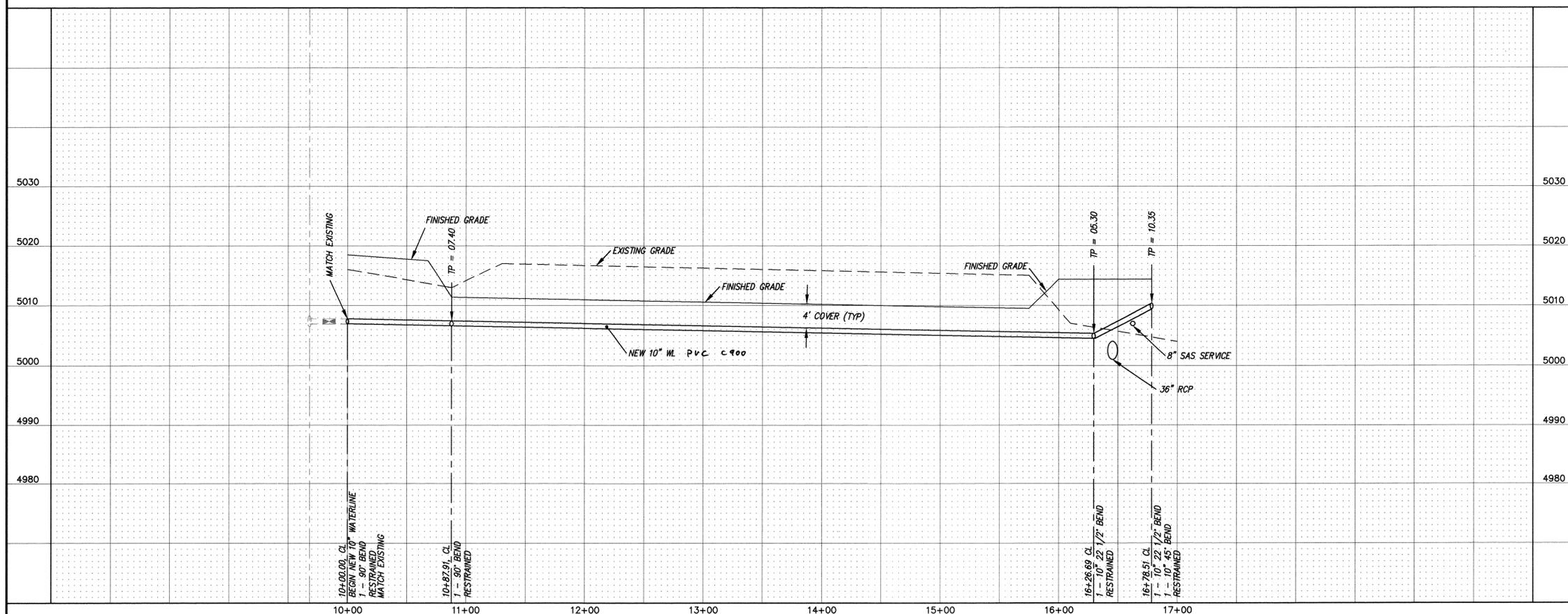


NEW WATERLINE
LOTS 7, 8 & 9
 STA. 10+00.00 TO STA. 17+07.65
 SCALE: HORZ. 1" = 50'
 VERT. 1" = 10'

NOTES
 1. ALL STATIONING IS CENTERLINE OF NEW WATERLINE.



SECTION R-R
 NOTES



RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)

PIPE SIZE	90°	45°	22.5°	11.25°	VALVE
6"	17'	7'	-	-	46'
10"	-	11'	5'	3'	72'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.

RESTRAINED JOINT LENGTH FOR TEES (FT.)

PIPE SIZE	RUN	BRANCH
10"x10"x10"	15'	5'
10"x10"x6"	6'	1'

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
BROADWAY INDUSTRIAL CENTER - UNIT III
UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE APPROVED OCT 19 1999
 CITY ENGINEER APPROVED OCT 28 1999
 LAST DESIGN UPDATE

NO.	DATE	REVISIONS	BY

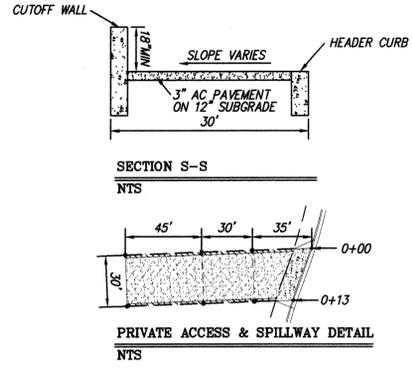
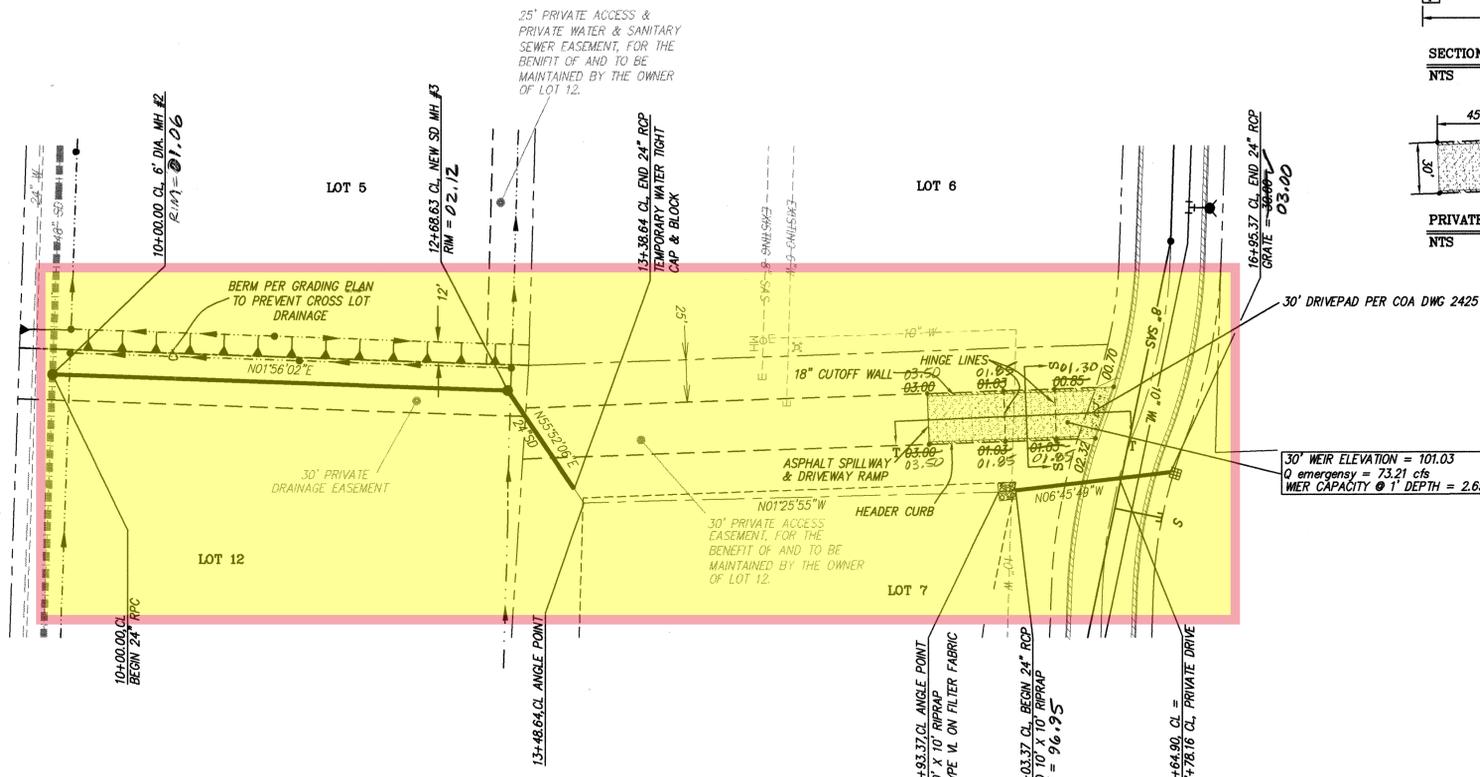
AS BUILT INFORMATION
 CONTRACTOR: FRANKLINS
 WORK STAGED BY: ALS, INC. DATE: 09/02
 FIELD ACCEPTANCE BY: ALS, INC. DATE: 09/02
 DRAWINGS CORRECTED BY: ALS, INC. DATE: 09/02
 MICRO-FILM INFORMATION: ALS, INC. DATE: 09/02

BENCH MARKS
 MISHIC MONUMENT 1-25-30"
 Y = 147272.26 X = 383916.04 G-C = 0.9967444
 DELTA ALPHA = -007322" CENTRAL ZONE (MAD 1927/SLD 1929)
 ELEVATION = 5038.51
 ACS MONUMENT "M3261-3"
 Y = 1475688.30 X = 381697.40 G-C = 0.9967845
 DELTA ALPHA = -007336" CENTRAL ZONE (MAD 1927/SLD 1929)
 ELEVATION = 4966.07

SURVEY INFORMATION
 FIELD NOTES: NO. BY DATE
 ENGINEER'S SEAL: JAMES D. TULLOCH, PROFESSIONAL ENGINEER, STATE OF NEW MEXICO, No. 16429

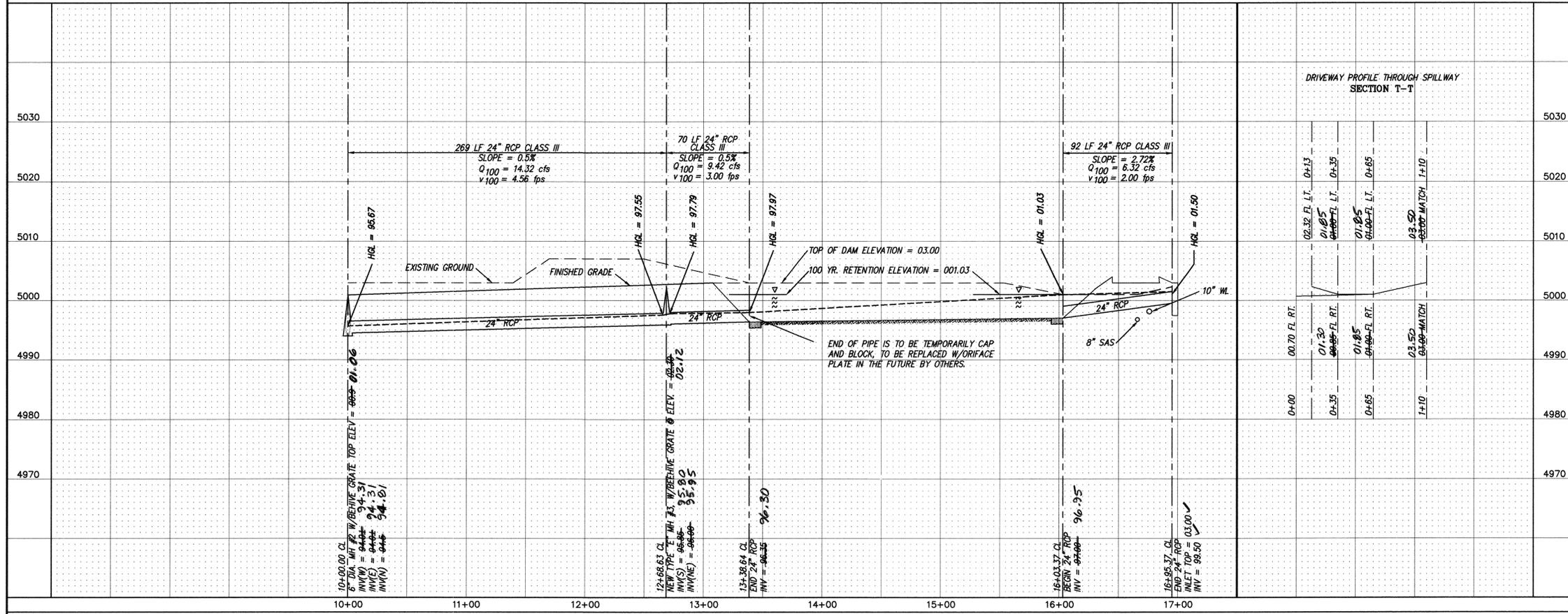
DESIGNED BY: JGH **DATE:** 4-99
DRAWN BY: MJR **DATE:** 4-99
CHECKED BY: DMG **DATE:** 4-99

CITY PROJECT NO.: 6102.81 **ZONE MAP NO.:** M-14 **SHEET OF:** 8 14



30' WEIR ELEVATION = 101.03
 Q emergency = 73.21 cfs
 WEIR CAPACITY @ 1' DEPTH = 2.65 x L x H^{3/2} = 79.5 cfs

STORM DRAIN LOTS 7 & 12
 STA. 10+00.00 TO STA. 16+95.37
 SCALE: HORZ. 1" = 50'
 VERT. 1" = 10'



NOTES
 1. SEE DRAINAGE FILE M-14, D-12 FOR APPROVED GRADING & DRAINAGE MASTER PLAN.

AS BUILT INFORMATION	
CONTRACTOR	FRANKLIANS
WORK STARTED BY	ALS, INC
DATE	04/29/99
ACCEPTANCE BY	
DATE	
FIELD CHECKED BY	ALS, INC
DATE	00
DRAWINGS CORRECTED BY	ALS, INC
DATE	00
MICRO-FILM INFORMATION	
RECORDED BY	
DATE	
NO.	

SURVEY INFORMATION	
FIELD NOTES	
NO.	
DATE	
BY	
BENCH MARKS	
MNSHC MONUMENT "1-25-30"	
Y = 1472722.26 X = 383916.04 G-G = 0.99967444	
DELTA ALPHA = -0071222" CENTRAL ZONE (NAD 1927/SLD 1929)	
ELEVATION = 5038.51	
ACS MONUMENT "M267-3"	
Y = 1475668.30 X = 381897.40 G-G = 0.99967845	
DELTA ALPHA = -0071336" CENTRAL ZONE (NAD 1927/SLD 1929)	
ELEVATION = 4966.07	

ENGINEER'S SEAL	
NO.	
DATE	
BY	
REMARKS	
REVISIONS	
DESIGN	
DATE	4-99
DRAWN BY	MJR
DATE	4-99
CHECKED BY	DMG
DATE	4-99

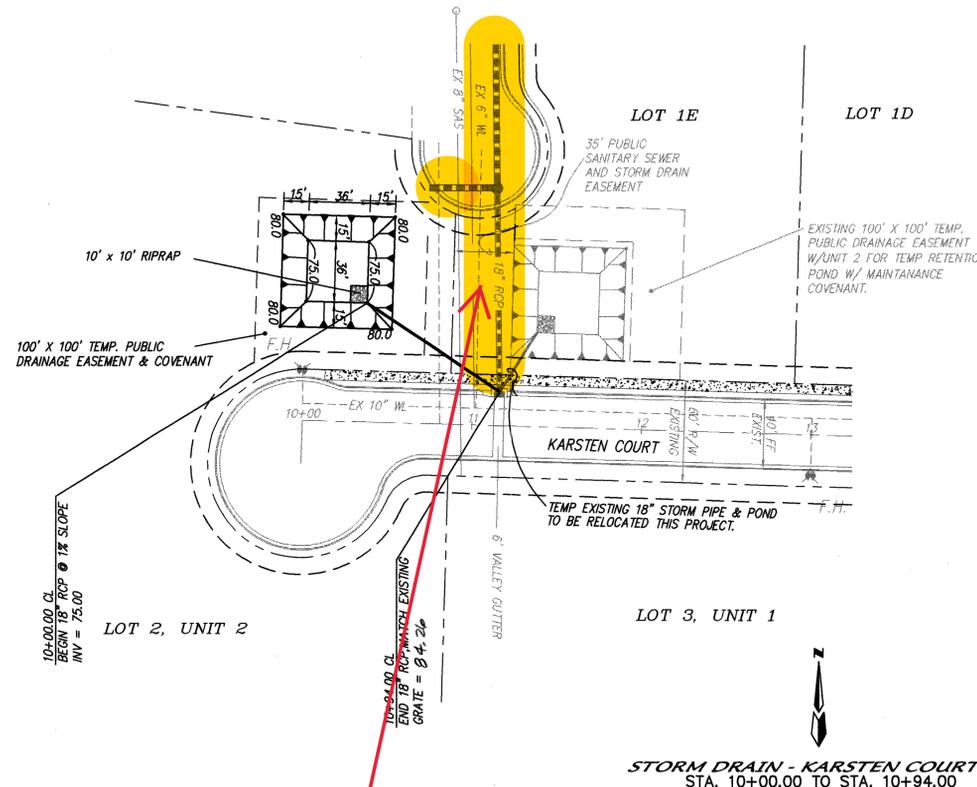


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CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP
BROADWAY INDUSTRIAL CENTER - UNIT III
 STORM DRAIN IMPROVEMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	NO./DAY/YR.	NO./DAY/YR.
APPROVED OCT 19 1999	APPROVED OCT 28 1999		
DESIGN REVIEW COMMITTEE	CITY ENGINEER	LAST DESIGN UPDATE	

CITY PROJECT NO. **6102.81** ZONE MAP NO. **M-14** SHEET **10** OF **14**

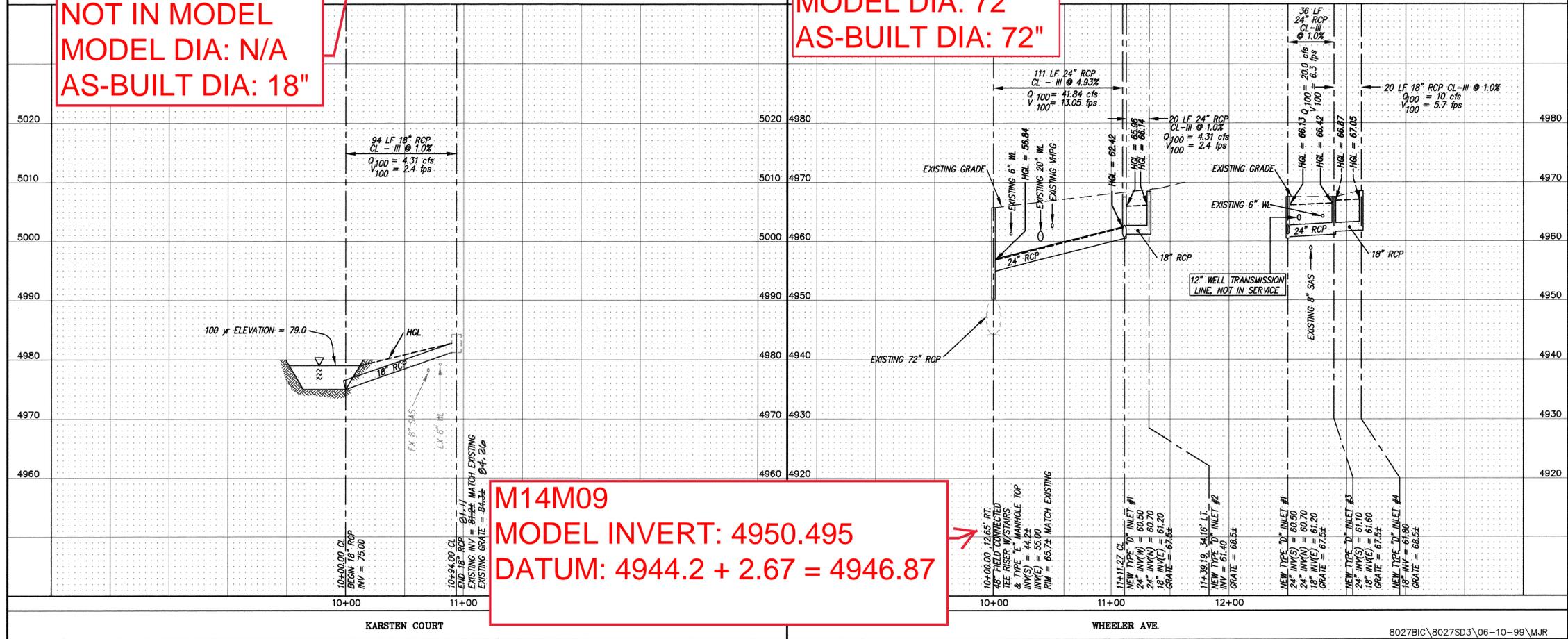


M14M09-M14M08
MODEL DIA: 72"
AS-BUILT DIA: 72"

NOT IN MODEL
MODEL DIA: N/A
AS-BUILT DIA: 24"

M14161-M14261
MODEL DIA: 72"
AS-BUILT DIA: 72"

NOT IN MODEL
MODEL DIA: N/A
AS-BUILT DIA: 18"



M14M09
MODEL INVERT: 4950.495
DATUM: 4944.2 + 2.67 = 4946.87

- NOTES**
- ALL UTILITIES IN BROADWAY BLVD. AND WHEELER AVE. ARE TO BE EXCAVATED AND FIELD LOCATED AND THE DESIGN OF THE STORM PIPE PROFILE ADJUSTMENT BY THE ENGINEER AS NECESSARY PRIOR TO CONSTRUCTING ANY STORM PIPES OR INLETS THIS SHEET.
 - ALL INLETS THIS SHEET ARE TYPE DOUBLE "D" PER COA DWG 2206.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	EDWARDS	MNSHC MONUMENT "1-25-30"	X = 383916.04	DATE	NO.		NO. DATE REMARKS BY DATE DESIGN 4-99 DATE 4-99 CHECKED BY DMG DATE 4-99
STAKED BY	ALS, INC.	DELTA ALPHA = -071322"	Y = 1472722.26	DATE	NO.		
DATE	04/09/00	ELEVATION = 5038.51	X = 381897.40	DATE	NO.	DESIGNED BY JDH DATE 4-99 CHECKED BY DMG DATE 4-99	CITY PROJECT NO. 6102.81 ZONE MAP NO. M-14 SHEET 12 OF 14
FIELD DATE	04/09/00	ACS MONUMENT "MMS61-3"	Y = 14725668.30	DATE	NO.		
FIELD TIME	ALS, INC.	DELTA ALPHA = -0071336"	X = 381897.40	DATE	NO.		
DATE	04/09/00	ELEVATION = 49.66.07	Y = 14725668.30	DATE	NO.		

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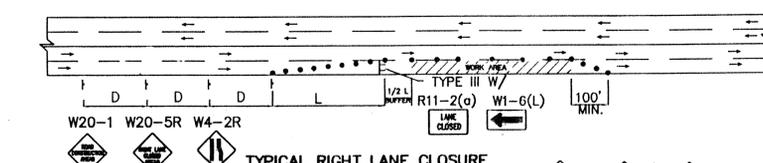
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

BROADWAY INDUSTRIAL CENTER - UNIT III
STORM DRAIN IMPROVEMENTS

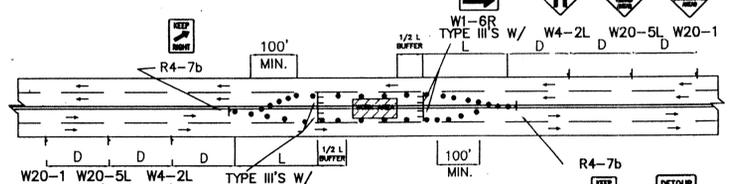
APPROVED
 OCT 19 1999
 DESIGN REVIEW COMMITTEE

APPROVED
 OCT 28 1999
 CITY ENGINEER

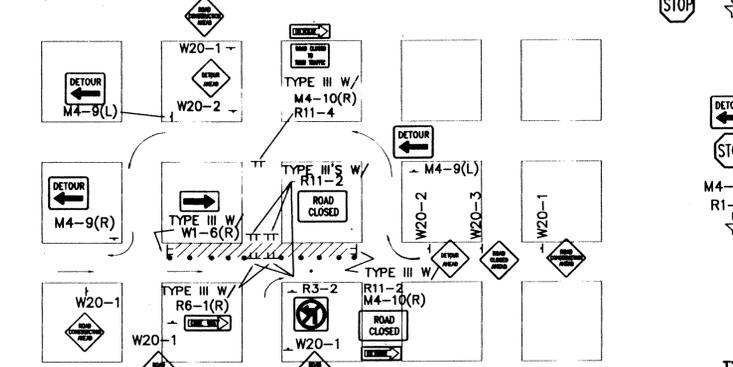
CITY PROJECT NO. 6102.81
 ZONE MAP NO. M-14
 SHEET 12 OF 14



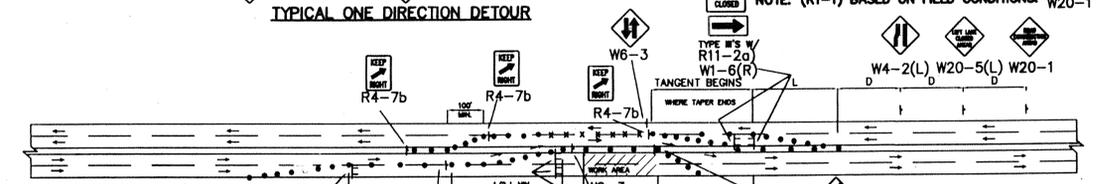
TYPICAL RIGHT LANE CLOSURE



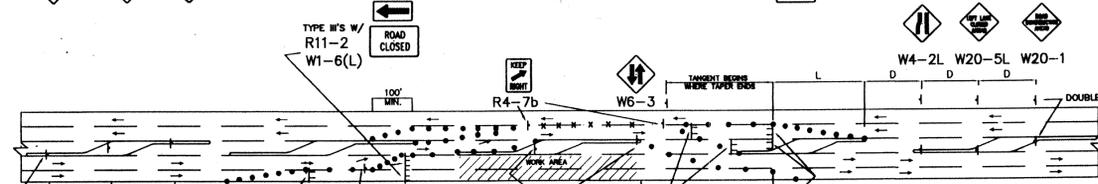
TYPICAL LEFT LANE CLOSURE



TYPICAL ONE DIRECTION DETOUR



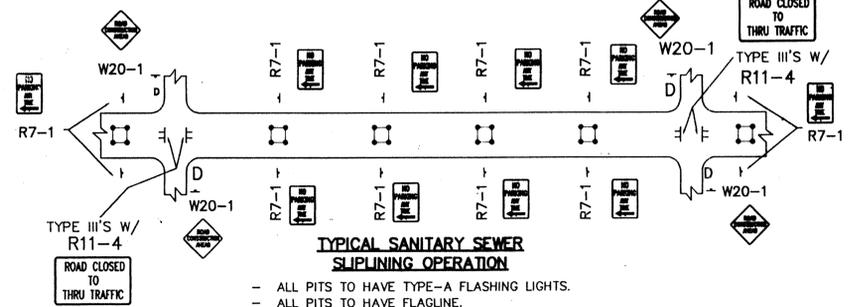
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

- TRAFFIC SPLIT NOTES:
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
 2. 1/2 L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
 3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
 4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
 5. REDUCED SPEED MAY BE CONSIDERED.
 6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.

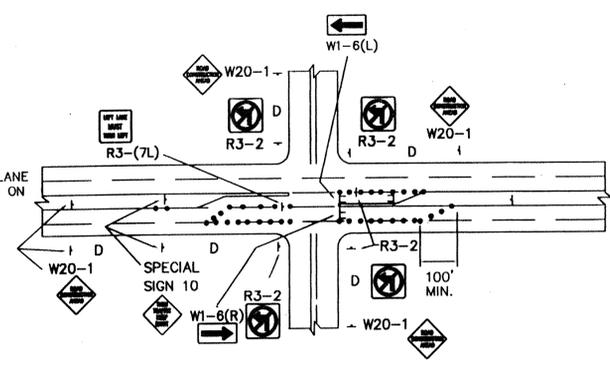
GENERAL NOTE:
 ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.
 ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.



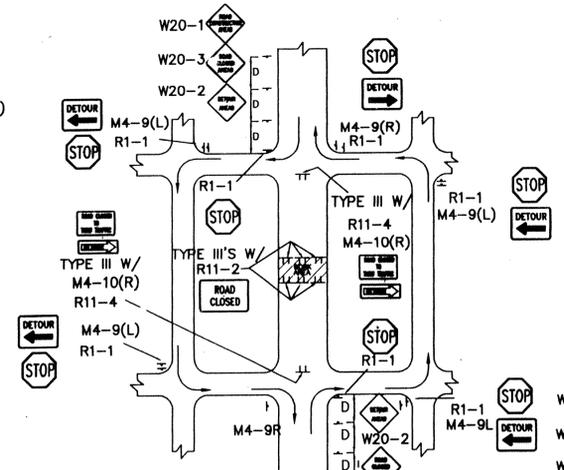
TYPICAL SANITARY SEWER SLIPLINING OPERATION

- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS.
- ALL PITS TO HAVE FLAGLINE.

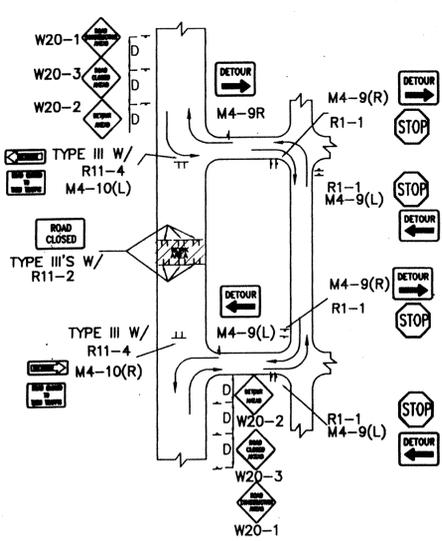
NOTE: MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.



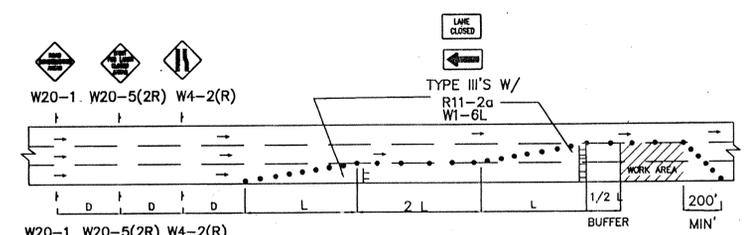
TYPICAL LANE CLOSURE AT INTERSECTION
 NOTE: DEPENDING ON WORK ZONE LOCATION



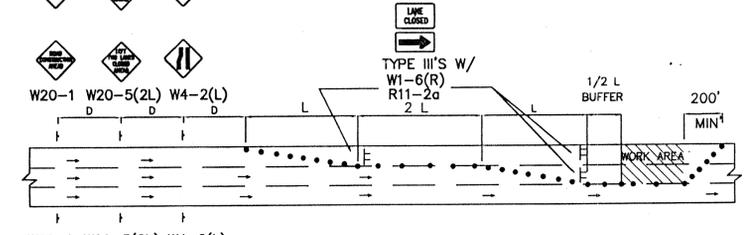
TYPICAL MID-BLOCK CLOSURE
 NOTE: (R1-1) BASED ON FIELD CONDITIONS.



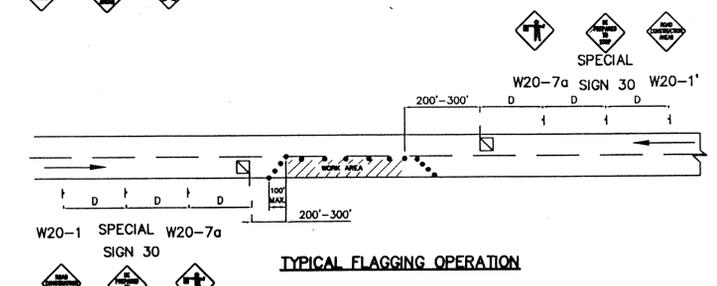
TYPICAL STREET CLOSURE
 NOTE: (R1-1) BASED ON FIELD CONDITIONS.



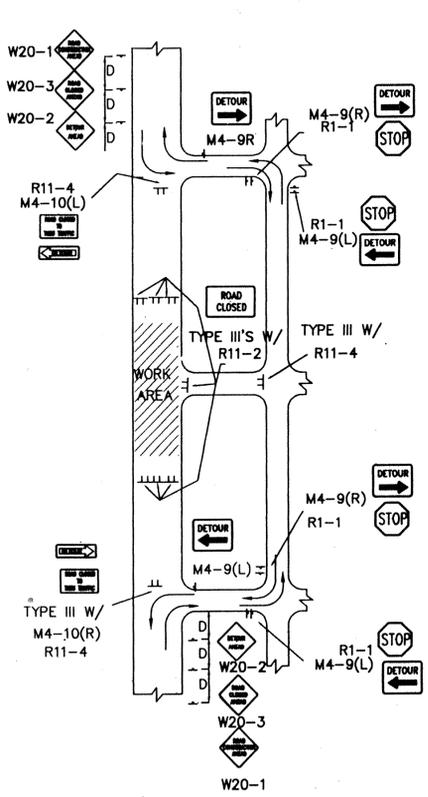
TYPICAL DOUBLE RIGHT LANE CLOSURE



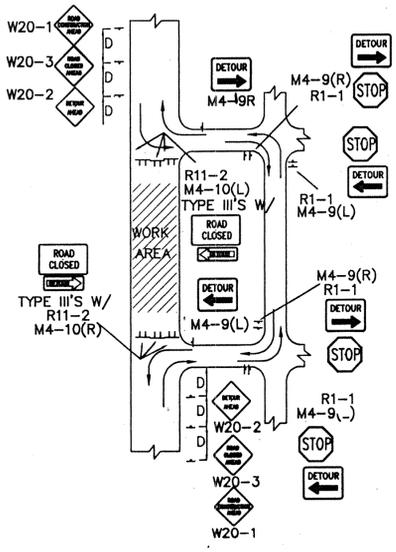
TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE
 NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL STREET CLOSURE
 NOTE: (R1-1) BASED ON FIELD CONDITIONS.

AS BUILT INFORMATION		CONTRACTOR	DATE
BENCH MARKS		STATIONED BY	DATE
SURVEY INFORMATION		FIELD NOTES	DATE
ENGINEER'S SEAL		NO.	BY
REVISIONS		NO.	DATE
REMARKS		DESIGNED BY	DATE
DESIGN		DRAWN BY	DATE
CHECKED BY		C.O.A. STANDARD'S	DATE

CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP

TITLE: **TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)**

DESIGN REVIEW COMMITTEE: _____ CITY ENGINEER APPROVAL: _____

MO./DAY/YR. _____

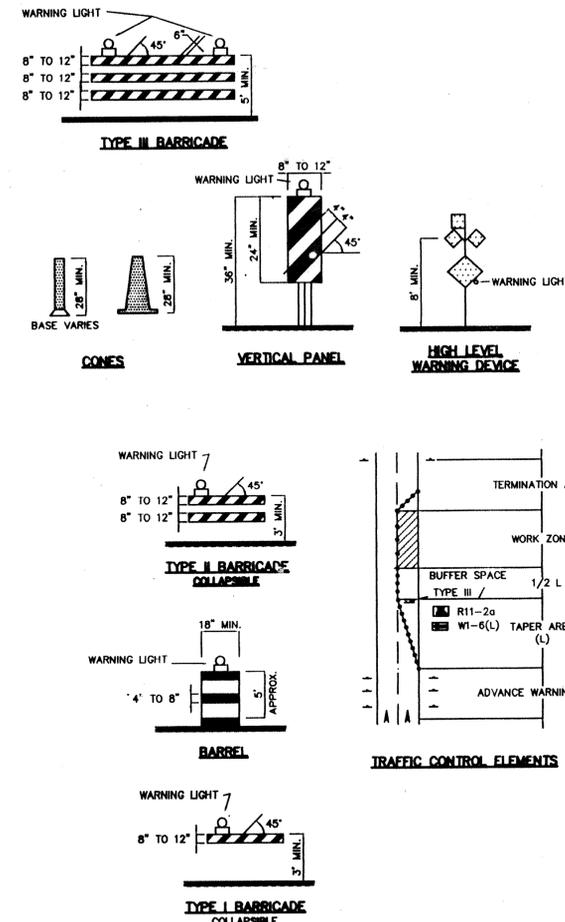
LAST UPDATE: **COA Standard**

PROJECT NO. **6102.81** MAP NO. **M-14** SHEET **13** OF **14**

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- 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.
- 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.
- 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.
- CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.
- 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.
- 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.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
- 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.
- 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.
- 48 HOURS PRIOR TO OCCUPYING 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.
- ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

- 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.
- CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
 - STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 - THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
 - SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.
- 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.
- ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.
- TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.
- ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.



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 PER HOUR	MINIMUM DISTANCE BETWEEN SIGNS	MINIMUM DISTANCE 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
SHIFTER 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

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

SIGN FACE DETAILS

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

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE
DESIGNED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
CHECKED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
RECORDED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE

CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP

TITLE: **SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS**

DESIGN REVIEW COMMITTEE: **COA Standard**

CITY ENGINEER APPROVAL: _____

PROJECT NO. **6102.81** MAP NO. **M-14** SHEET **14** OF **14**