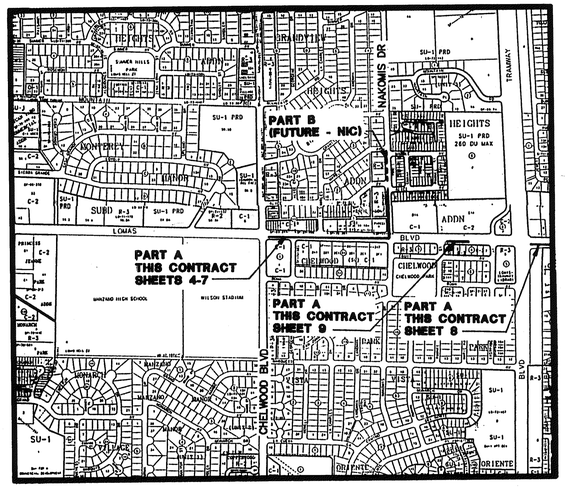
CITY OF ALBUQUERQUE
DIVERSE DRAINAGE IMPROVEMENTS
LOMAS AND NAKOMIS STORM DRAIN

MAY 1997

CITY OF Albuquerque

INDEX OF DRAWINGS



LOCATION MAP

1" = 350'
(ZONE ATLAS MAPS NO J22, J23, K22, K23
ADDRESS: ALBUQUERQUE, NEW MEXICO

NOTE: EXTENDED WORK HOURS
THIS PROJECT SUBJECT TO
EXTENDED WORK HOURS–
7:00 AM TO 10:00 PM
MONDAY THROUGH SATURDAY
SEE SPECIFICATIONS

APPROVAL OF AS CUILT DRAWINGS
CHIEF CONSTRUCTION INSPECTOR
DATE 1-5-98

RECORD DRAWING
Date JAN 1998
These drawings have been revised based on the construction records of the owner. While the information contained by the Owner will be assumed to be reliable, the Engineer will not be responsible for the accuracy of the information nor for errors.

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

REV.	SHEET	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	**********
	DRC Chairman	Billy G. Arakelyan	6-19-97	APPROVED FOR CONSTRUCTION
	Transportation	Gilbert Davis	6.16.97	
	Water/Wastewater	[illegible]	5/27/97	
	Hydrology	[illegible]	6/12/97	
	CIP			[illegible] 6/19/97
	Const. Mngmt.	David L Cates	6/19/97	City Engineer Date

City Project No. 4880.92

Sheet 1 Of 24

1/94036_31/DWG/C/LNAKCVR/5-12-97/BGC

LEGEND

PROPOSED	EXISTING	DESCRIPTION
		SANITARY SEWER MANHOLE
		STORM DRAIN MANHOLE
NA	NA	WATER MANHOLE
NA	TELE MH	TELEPHONE MANHOLE
SAS 8"CP	SAS 8"CP	SANITARY SEWER LINE WITH SIZE AND TYPE
SD 48"RCP	SD 48"RCP	STORM DRAIN LINE WITH SIZE AND TYPE
W 6"CI	W 6"CI	WATER LINE WITH SIZE AND TYPE
NA	E	OVERHEAD ELECTRICAL LINE
NA	UE	UNDERGROUND ELECTRICAL/TRAFFIC CONTROL
NA	UT	UNDERGROUND TELEPHONE
NA	G 2"HP	GAS LINE WITH SIZE AND TYPE
NA	CT	CABLE TELEVISION LINE
		ENCASEMENT
		STORM DRAIN INLET SEE GENERAL NOTE RR, THIS SHEET
NA		GATE VALVE
NA		BUTTERFLY VALVE
		FIRE HYDRANT
NA		REDUCER
NA		SANITARY SEWER SERVICE CONNECTION
NA		WATER SERVICE CONNECTION
NA		TEE
NA		CROSS
NA		BEND
NA		CAP AND PLUG
NA	WM	WATER METER
	VB	VALVE BOX
NA	PP	POWER POLE
NA	LP	LIGHT POLE
	TL	TRAFFIC LIGHT
	TC	TRAFFIC CONTROL BOX
	PB	PULL BOX
NA	TB	TELEPHONE BOOTH
		PCC CURB AND GUTTER
NA		AC CURB
NA	4'SW	SIDEWALK
NA		BLOCK WALL
NA		CHAIN LINK FENCE
NA		FIELD FENCE
0.83	(0.83)	SPOT ELEVATION
NA	EP	EDGE OF AC PAVEMENT
NA		RIGHT OF WAY LINES
NA		PROPERTY LINE (SIDE)
NA		PUBLIC EASEMENT LINE
	NA	LIGHT POLE BASE
	EXISTING	RESIDENTAL PAVING
		ARTERIAL PAVING
	EXISTING	CONCRETE PAVING
		TEMPORARY PAVING
		WHEELCHAIR RAMP
		SWALE
		CONTOURS
NA		REMOVE ITEM
	NA	MAXIMUM ANTICIPATED LIMITS OF CONSTRUCTION AND PAYMENT AREA

GENERAL NOTES

A ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS 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, AS AMENDED, THROUGH UPDATE #6 (REFERRED TO HEREAFTER AS THE STANDARD SPECIFICATIONS). THE STANDARD SPECIFICATIONS CONTAIN THE CITY STANDARD DRAWINGS.

B CONSTRUCTION WILL LIKELY BE OCCURRING DURING STORM EVENTS. CONTRACTOR MUST MAKE PROVISIONS TO PROTECT EXISITING STORM DRAIN FACILITIES AS WELL AS TO PROTECT NEW CONSTRUCTION DURING STORMS.

C CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF UTILITIES TO BE RELOCATED AS SHOWN ON THESE CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THE UTILITY IS FOUND TO BE DIFFERENT BY MORE THAN 1(ONE) FOOT VERTICALLY OR 3(THREE) FEET HORIZONTALLY, THAN SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. IN ADDITION, PRIOR TO THE REMOVAL OF ANY PAVEMENT, CURB AND GUTTER OR OTHER SURFACE REMOVAL, THE ROADWAY SHALL BE SURVEYED TO ENSURE THE RESTORATION OF PROPER GRADES, GEOMETRY AND ELEVATIONS.

D THE LIMITS OF CONSTRUCTION SHOWN ON THE PLANS ARE AN APPROXIMATION TO SHOW AREAS OF ANTICIPATED PAVEMENT, CURB AND GUTTER AND/OR OTHER SURFACE REMOVAL. THE LIMITS OF CONSTRUCTION SHOWN ON THE PLANS SHALL GOVERN FOR PAYMENT PURPOSES.

E ALL EXCAVATED MATERIAL THAT IS NOT REQUIRED TO BE REUSED MUST BE REMOVED FROM THE PROJECT AREA WITHIN FOUR DAYS OF EXCAVATION. SPOIL PILES WILL BE ALLOWED ONLY AS DIRECTED BY THE ENGINEER.

F THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEMOLITION DEBRIS. ANY MATERIAL TO BE SALVAGED SHALL BE IDENTIFIED BY THE ENGINEER. WORK MATERIALS SHALL BE DISPOSED OF IN CITY APPROVED WASTE AREAS SECURED BY, AND AT THE EXPENSE OF, THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WEEKLY REFUSE REMOVAL WITH THE CITY SOLID WASTE DEPARTMENT, AS NECESSARY.

G EQUIPMENT AND MATERIALS ARE NOT TO BE STORED WITHIN THE STREET RIGHT OF WAY OR WITHIN 15 FEET OF A TRAFFIC LANE DURING NON-WORKING HOURS.

H THREE (3) 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.

J ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.

K ONE WEEK PRIOR TO THE COMMENCEMENT OF EACH PHASE OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FOR THE NEXT PHASE FROM THE CONSTRUCTION COORDINATION DIVISION, CITY OF ALBUQUERQUE (768-2551), AND FROM THE TRAFFIC CONTROL DEPARTMENT OF BERNALILLO COUNTY FOR WORK IN COUNTY AREAS (848-1500).

L THE CONTRACTORS OPERATIONS MAY MOVE AHEAD ONLY IF THE PREVIOUS SECTION OF ROADWAY IN THAT WORK ZONE IS IN THE PROCESS OF BEING PAVED. AT NO TIME SHALL THERE BE MORE THAN 800 FEET OF BACKFILL WITHOUT AN "ALL-WEATHER" SURFACE BEHIND OR IN ADVANCE OF THE PIPE INSTALLATION IN A GIVEN WORK ZONE. A MAXIMUM OF TWO WORK ZONES WILL BE ALLOWED WITH PRIOR APPROVAL FROM THE ENGINEER.

M ALL TRAFFIC SIGNS REMOVED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATIONS AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.

N THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVING, CURB AND GUTTER, SIDEWALK, WHEELCHAIR, RAMPS, ETC. DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE. THE CONTRACTOR SHALL SUITABLY PROTECT THE CURB AND GUTTER FROM INCIDENTAL SPLASHING DURING THE TACK COAT APPLICATION AND SHALL BE RESPONSIBLE FOR CLEANING SAME AT HIS OWN COST SHOULD SPLASHING OCCUR.

P WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE, AS REQUIRED, TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND TO MATCH NEW TO EXISTING.

Q ALL NEW STREET PAVING, DRIVEWAYS, SIDEWALKS, AND CURBS AND GUTTERS ABUTTING EXISTING AREAS SHALL MATCH THE ELEVATION OF THOSE AREAS.

R ASPHALT PAVEMENT REPLACEMENT SHALL BE IN ACCORDANCE WITH THESE PLANS.

S TACK COAT FOR SURFACE COURSE REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.

T ALL EXISTING MANHOLES AND VALVE BOXES WITHIN THE CONSTRUCTION LIMITS SHALL BE ADJUSTED TO THE NEW FINISH GRADE AS PART OF THE PAVING OPERATIONS.

U THE RELOCATION OF THE EXISTING UTILITIES AND THE INSTALLATION OF NEW UTILITY LINES SHALL BE COMPLETED IN ADVANCE OF STARTING THE PAVEMENT WORK. TEMPORARY PAVEMENT SHALL BE PLACED AS REQUIRED IN THOSE AREAS THAT MUST MAINTAIN TRAFFIC UNTIL THE PERMANENT PAVEMENT WORK STARTS IN THAT AREA. TEMPORARY STRIPING SHALL BE THE CONTRACTORS RESPONSIBILITY.

V ALL REFERENCE TO CURB AND GUTTER IS TO STANDARD CURB AND GUTTER UNLESS OTHERWISE NOTED.

W TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATION SERVICE, 260-1990, FOR LOCATION OF EXISTING UTILITIES.

X EXCAVATIONS SHALL BE CONSTRUCTED, BRACED AND SHEETED TO PROVIDE COMPLETE SAFETY TO PERSONS WORKING THEREIN. CONSTRUCTION AND BRACING SHALL COMPLY WITH ALL OSHA AND OTHER APPLICABLE STATE AND LOCAL LAWS AND ORDINANCES.

Y THE CONTRACTOR SHALL EXERCISE CARE TO AVOID DISTURBING EXISTING UNDERGROUND UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION.

Z ALL UTILITY LINES, TO INCLUDE TRAFFIC SIGNAL CONDUITS AND PULL BOXES, WHICH ARE NOT SPECIFICALLY DESIGNATED TO BE REMOVED AND REPLACED ON THE PLANS SHALL BE MAINTAINED IN SERVICE. SHORING, SHEETING, AND OTHER MEANS OF SUPPORT SHALL BE EMPLOYED BY THE CONTRACTOR TO PREVENT DAMAGE OR LOSS OF THESE EXISTING UTILITIES. BEAM AND CABLE OR OTHER ADEQUATE SUPPORTS SHALL BE USED FOR TEMPORARY SUPPORT OF ALL UTILITY LINES WHICH CROSS THE TRENCH. ANY DAMAGE TO EXISTING UTILITIES SHALL PROMPTLY BE REPAIRED AT THE CONTRACTORS EXPENSE. THE ENGINEER WILL BE IMMEDIATELY NOTIFIED OF ANY SIGNIFICANT DEVIATION OF EXPOSED UTILITIES FROM THE LOCATIONS SHOWN ON THE PLANS SO THAT CONFLICTS CAN BE RESOLVED IN A TIMELY MANNER.

AA THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING UTILITY RELOCATIONS WITH APPROPRIATE PRIVATE UTILITY COMPANIES, AS FOLLOWS:
PNM - (505)848-3451
GAS COMPANY OF NEW MEXICO - (505)761-7775
US WEST - (505)245-6694
CABLE TV - (505)761-6235
CITY WATER - (505)857-8200
CITY SANITARY SEWER - (505)873-6200
THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS.
THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ALONG NEW POST OFFICE FRONTAGE (NE CORNER OF LOMAS BLVD/NAKOMIS DRIVE) AND INVOLVING THE EASTBOUND LEFT TURN BAY ON LOMAS BLVD AT NAKOMIS DRIVE WITH FLITCO CONTRACTORS - (505) 262-1888.

BB ALL ABANDONED UTILITY LINES WHICH ARE EXPOSED AS A RESULT OF CONSTRUCTION SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. REFER TO SECTION 18 OF THE SPECIFICATIONS.

CC THE CONTRACTOR SHALL COORDINATE SHUT DOWN OF WATER SYSTEM ELEMENTS WITH CITY WATER SYSTEMS DIVISION IN ACCORDANCE WITH SECTION 18 OF THE GENERAL CONDITIONS.

DD THE CONTRACTOR SHALL FIELD VERIFY ALL WATERLINE CONNECTIONS TO EXISTING FACILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION TO ALLOW OBTAINING CORRECT ADAPTERS AND OTHER FITTINGS.

EE TEMPORARY WATER SERVICES ARE TO BE PROVIDED FOR ANY RESIDENCE OR BUSINESS WHICH WILL BE OUT OF SERVICE MORE THAN FOUR HOURS.

FF ALL WATER CONNECTIONS ARE NON PRESSURIZED CONNECTIONS UNLESS OTHERWISE NOTED ON THE PLANS.

GG ALL WATER SERVICE LINES WHICH ARE TO BE EXTENDED OR REPLACED SHALL BE THE SAME SIZE AS THE METER.

HH THE CONTRACTOR SHALL NOTIFY WATER SYSTEMS DIVISIONS OF PUBLIC WORKS (PH. 857-8200). AT LEAST FIVE WORKING DAYS IN ADVANCE OF ANY WORK REQUIRING A WATER SHUTOFF REFER TO SECTION 18 OF THE GENERAL CONDITIONS.

JJ CONTRACTOR SHALL UTILIZE MECHANICALLY-RESTRAINED JOINTS IN LIEU OF BLOCKING FOR WATER LINES.

KK THE HYDRAULIC GRADE LINE SHOWN ON THE PLANS DEPICTS THAT OF ULTIMATE DEVELOPMENT CONDITIONS WITHIN THE WATERSHED.

LL MAXIMUM ANTICIPATED LIMITS OF CONSTRUCTION AND PAYMENT LIMIT IS SHOWN ONLY FOR THOSE AREAS WHICH HAVE MAJOR IMPACT ON TRAFFIC CONTROL. IN OTHER AREAS THE CONTRACTOR SHALL USE HIS OWN JUDGMENT OF CONSTRUCTION LIMITS AND RECEIVE PRIOR APPROVAL FROM ENGINEER. LIMITS MUST NOT CROSS THE RIGHT-OF-WAY.

MM PRIOR TO THE REMOVAL OF ANY PAVEMENT, CURB AND GUTTER, ETC., THE ROADWAY SHALL BE SURVEYED TO ENSURE RESTORATION OF PROPER GRADES, CROWN AND ELEVATIONS. THE CONTRACTOR SHALL REMOVE AND REPLACE SHORT (LESS THAN 6') EXISTING SECTIONS OF PAVEMENT AND CURB AND GUTTER REMAINING AFTER PRIMARY REMOVALS ARE COMPLETED.

NN MEDIAN NOSES ON LOMAS BLVD SHALL BE PAINTED YELLOW AFTER CONSTRUCTION HAS BEEN COMPLETED. (INCIDENTAL TO CONTRACT)

PP THE CONTRACTOR IS ADVISED THAT HE MUST CONTACT THE ALBUQUERQUE CITY SURVEYOR FOURTEEN (14) DAYS IN ADVANCE OF CONSTRUCTION WHICH MAY DAMAGE SURVEY MONUMENTS WITHIN FIFTY (50) FEET OF CONSTRUCTION. CONTACT DANNY MONTANO AT 768-3612, IF THE MONUMENT IS DESTROYED BY THE CONTRACTORS CONSTRUCTION ACTIVITIES PRIOR TO NOTIFICATION, THE COST OF RESETTING THE MONUMENT SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

QQ "AC" INLET DESIGNATION REFERS TO AN "A" TYPE INLET CONSTRUCTED WITH TWO GRATES SIMILAR TO A "DOUBLE C" INLET. SEE COA DWG 2201, 2202, AND 2205.

RR "PROJECTED FL" ELEVATION GIVEN IN PLANS IS EXTENDED FLOW LINE. "GRATE EL" ELEVATION GIVEN IN PLANS IS AT EDGE OF GRATE, SEE COA DWG 2207, CONSTRUCTION NOTE H

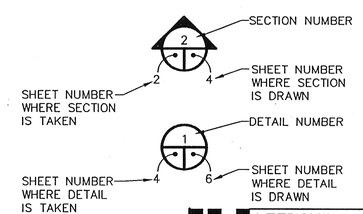
SS RIGHT OF WAY SHOWN IS FOR INFORMATION ONLY BASED ON RECORD DISTANCES, NOT ON A PROPERTY SURVEY.

TT EXTENDED WORK HOURS-CONTRACTOR IS REQUIRED TO PROVIDE CONSTRUCTION PERSONNEL ON THE PROJECT FOR EXTENDED WORK HOURS: MONDAY THROUGH SATURDAY, 7:00AM TO 10:00 PM EACH WORK DAY. SEE SPECIFICATIONS.

UU CONTACT TRAFFIC OPERATIONS AT 857-8000 THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION WHERE SIGNALS MAY BE IMPACTED.

ABBREVIATIONS

AC	ASPHALTIC CONCRETE	NO	NUMBER
APPROX	APPROXIMATELY	OD	OUTSIDE DIAMETER
CATV	CABLE TELEVISION	OPP	OPPOSITE
CB	STORM CATCH BASIN / INLET	PC	POINT OF CURVE
CCY	CONCRETE CYLINDER PIPE	PED	PEDESTAL
CFS	CUBIC FEET PER SECOND	PI	POINT OF INTERSECTION
℄	CENTER LINE	PL	PLATE
℄ CONST	CENTER LINE OF CONSTRUCTION	PNM	PUBLIC SERVICE COMPANY OF NEW MEXICO
CLR	CLEAR	PT	POINT OF TANGENCY
COA	CITY OF ALBUQUERQUE	PVC	POLYVINYL CHLORIDE
DIA	DIAMETER	Q	FLOW RATE
DWG	DRAWING	RCP	REINFORCED CONCRETE PIPE
E	EAST	ROW	RIGHT-OF-WAY
EG	EXISTING GRADE	RT	RIGHT
EL	ELEVATION	S	SLOPE/SOUTH
ELEC	ELECTRIC	SAS	SANITARY SEWER
EP	EDGE OF PAVEMENT	SD	STORM DRAIN
FL	FLOW LINE ELEVATION / FLANGE	SE	SOUTHEAST
FPS	FEET PER SECOND	STA	STATION
HGL	HYDRAULIC GRADE LINE	STD	STANDARD
HORIZ	HORIZONTAL	TAN	TANGENT
HP	HIGH PRESSURE	TC	TOP OF CURB
INV	INVERT	TELE	TELEPHONE
L	LENGTH/ANGLE	TG	TOP OF GRAVEL
LB	POUND	TOS	TOP OF SLAB
LLV	LONG LEG VERTICAL	TYP	TYPICAL
LF	LINEAR FOOT	UE	UNDERGROUND ELECTRIC
LT	LEFT	V	VELOCITY
MH	MANHOLE	VERT	VERTICAL
N	NORTH	W	WEST
NIC	NOT IN CONTRACT	W or WL	WATER LINE



RECORD DRAWING
JAN 1998
Date

These drawings have been revised based on the construction records of the owner. While the information submitted by the Owner will be assumed to be reliable, the engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in the document as a result thereof.

AS BUILT INFORMATION
CONTRACTOR J.R. HALE, INC.
WORK STAKED BY CONTRACTOR DATE 1997
INSPECTOR'S ACCEPTANCE BY C.O.A. DATE 1997
FIELD VERIFICATION BY C.O.A. DATE 1997
DRAWINGS CORRECTED BY LH INC. DATE 1/7/98
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

LEEDSHILL-HERKENHOFF, INC.
DESIGNED BY T MARTINI DATE JAN 1997
DRAWN BY M JENSEN DATE JAN 1997
CHECKED BY C DODGE DATE JAN 1997

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

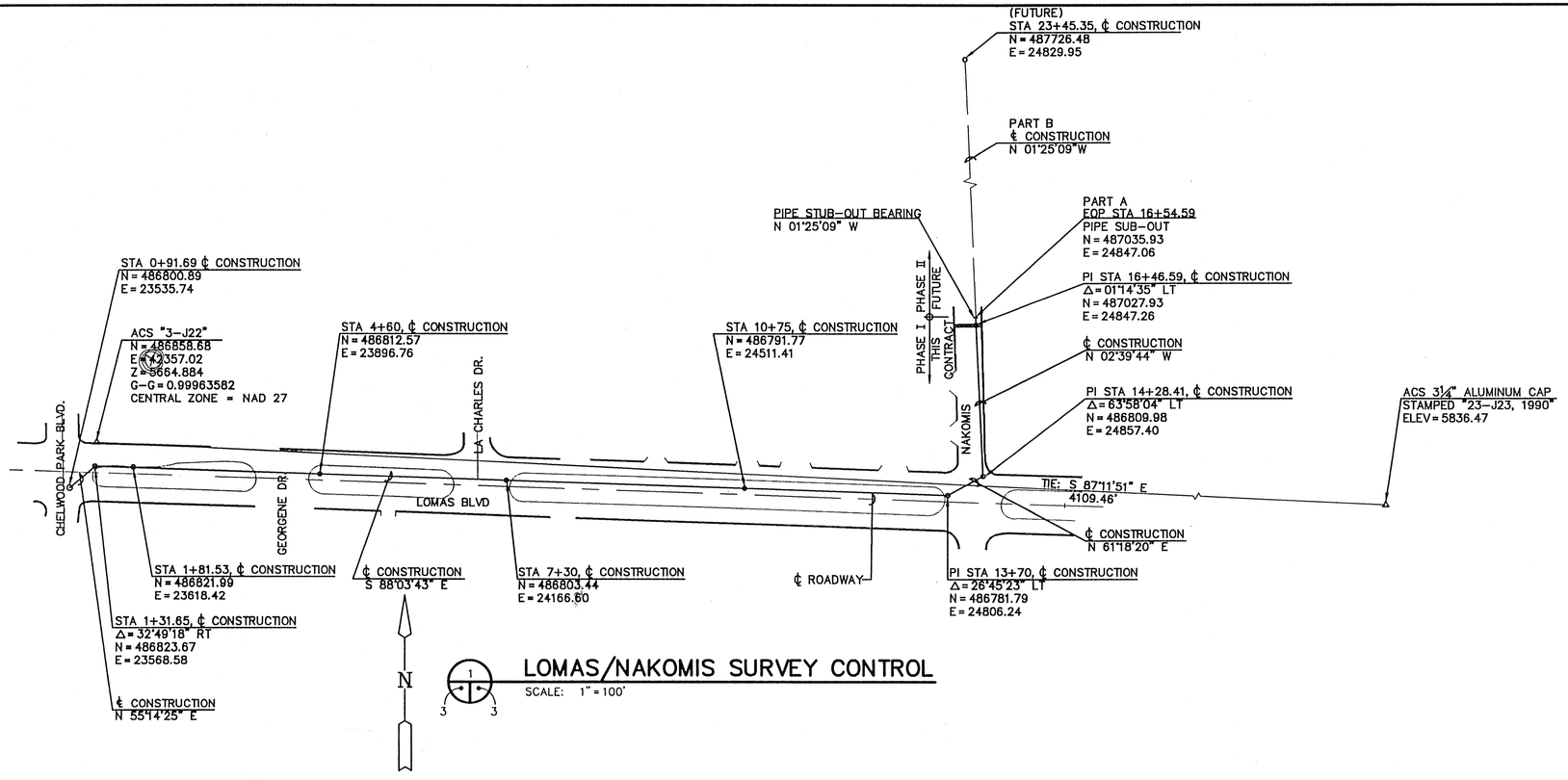
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
LOMAS AND NAKOMIS STORM DRAIN
LEGEND, ABBREVIATIONS AND GENERAL NOTES

Design Review Committee: APPROVED JAN 19 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JAN 19 1997 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

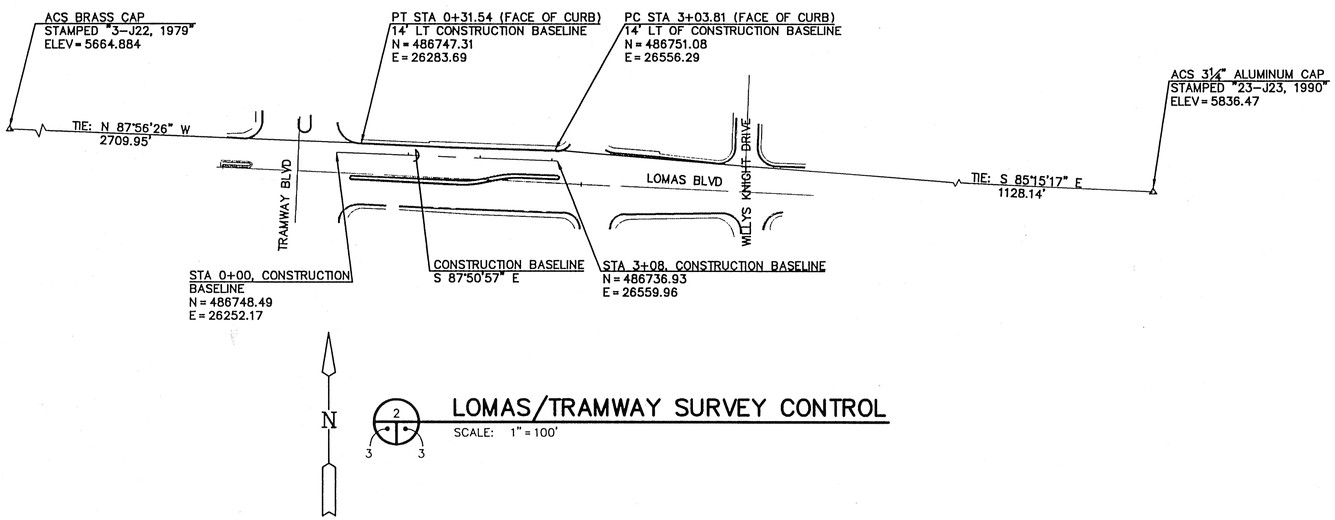
City Project No. 4880.92 | Zone Map No. – | Sheet 2 Of 24

1/94036_31\DWG\C\LNAKLEG/6-5-97/BGC



LOMAS/NAKOMIS SURVEY CONTROL

SCALE: 1" = 100'



LOMAS/TRAMWAY SURVEY CONTROL

SCALE: 1" = 100'

NOTES

A UNDERGROUND GAS LINES SHOWN ON PLAN SHEETS ARE APPROXIMATE. MAPS SUPPLIED BY GAS CO OF NEW MEXICO.

B THE BENCHMARK FOR ALL ELEVATIONS SHOWN IS THE ACS MONUMENT "3-J22"; ELEVATION = 5664.884.

C ALL BEARINGS SHOWN ARE BASED ON THE BEARINGS BETWEEN ACS MONUMENT "3-J22" AND ACS MONUMENT "23-J23"; BEARING S87°11'51"E.

D ALL COORDINATES SHOWN ARE LOCAL GROUND COORDINATES BASED ON ACS MONUMENT "3-J22"
N = 486,858.68
E = 23,527.02
COORDINATES VALUES ARE TRUNCATED BY N = 1,000,000 AND E = 400,000

E ALL DISTANCES SHOWN ARE GROUND, BEARINGS ARE GRID

F SURVEY DATA BASE PROVIDED BY COMMUNITY SCIENCES CORPORATION, MAY 1996.

THIS SHEET SUPERSEDED BY SIMILAR SHEET MARKED "REDRAWN FOR RECORD PURPOSES"

AS BUILT INFORMATION

CONTRACTOR		
WORK STAKED BY		DATE
INSPECTOR'S ACCEPTANCE	BY	DATE
FIELD VERIFICATION	BY	DATE
DRAWINGS CORRECTED	BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE	NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NEW MEXICO CLINTON B. CARTER 6410 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

LEEDSHILL-HERKENHOFF, INC.

DESIGNED BY	T MARTINI	DATE JAN 1997
DRAWN BY	F PHILLIPS	DATE JAN 1997
CHECKED BY	C DODGE	DATE JAN 1997

LEEDSHILL-HERKENHOFF, INC
500 Copper Avenue NW
P.O. Box 1217
Albuquerque, NM 87103
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVMENTS
LOMAS/NAKOMIS AND LOMAS/TRAMWAY
SURVEY CONTROL SHEET

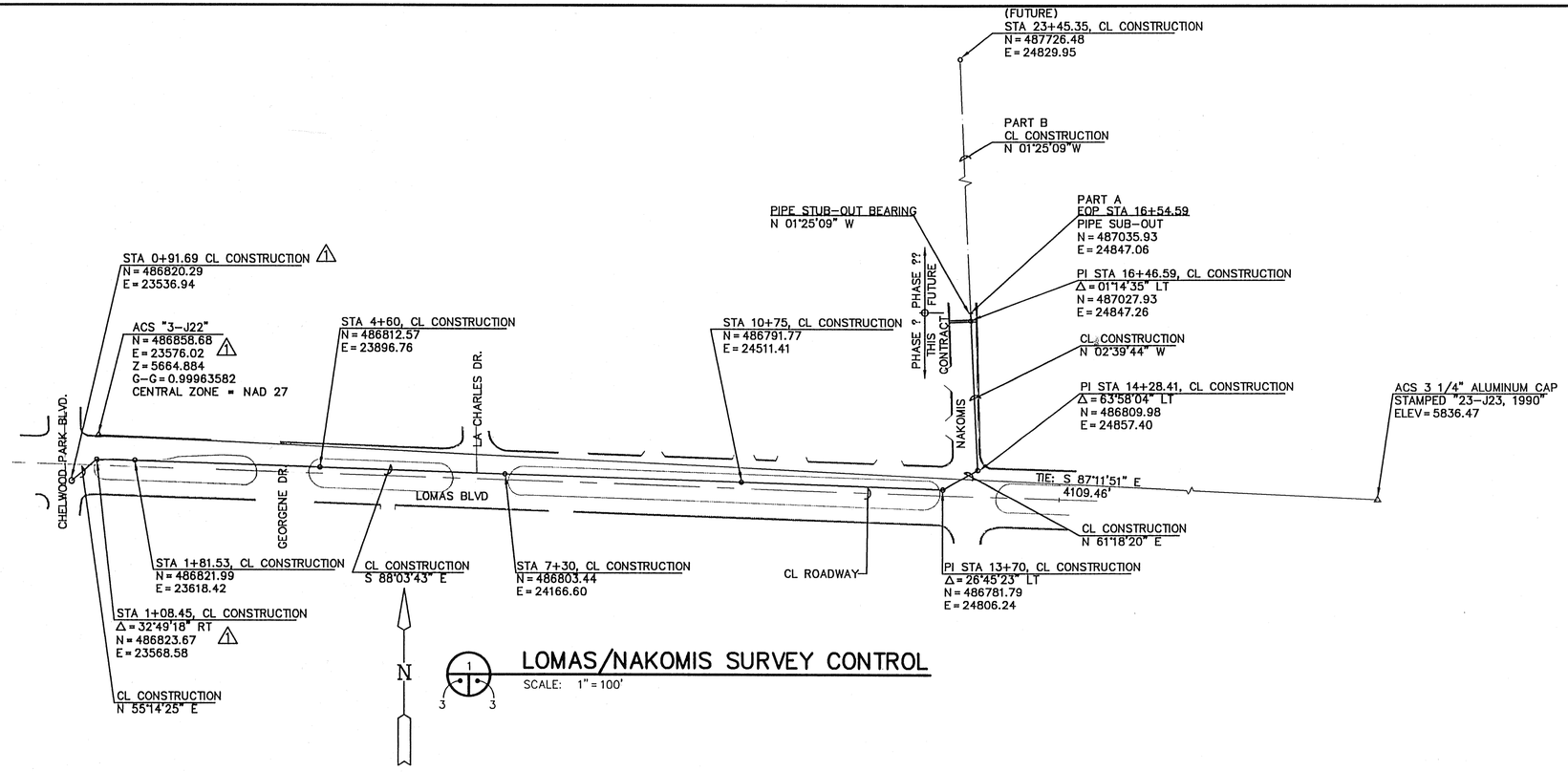
Design Review Committee: APPROVED — DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED — CITY ENGINEER

Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4880.92	K-22,23	3	24

100/94036.31/SRVSHEET/6-5-97/BGC



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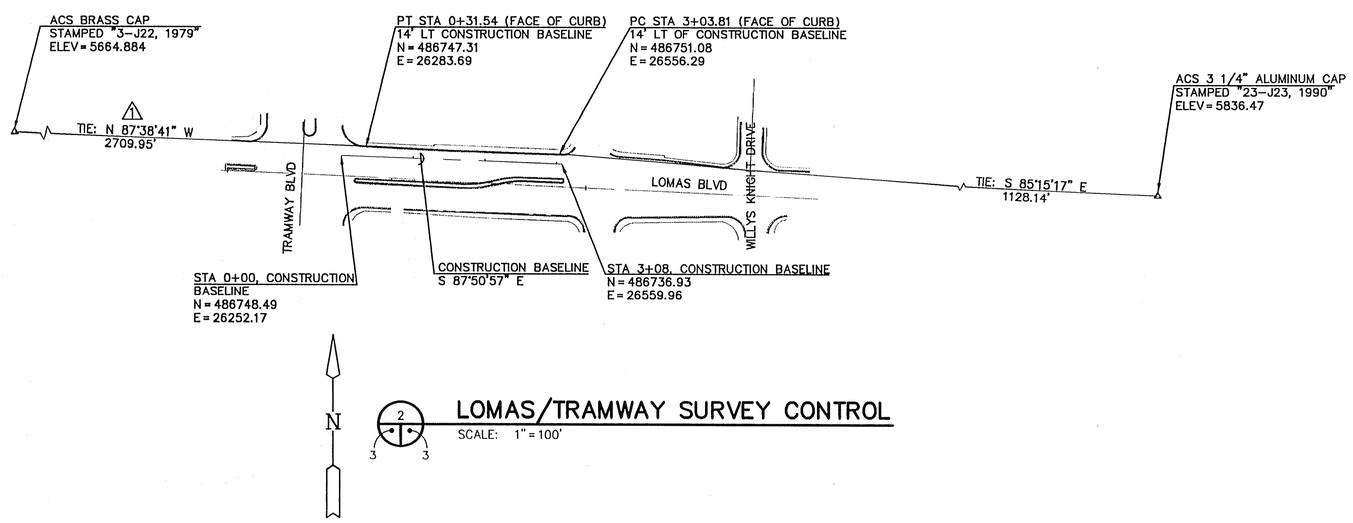

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REDRAWN FOR RECORD PURPOSES

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DRAWINGS CORRECTED BY	LH INC.	DATE 1/7/98

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RECORDED BY	DATE
NO.	

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
1	1/98	CHANGES AS PER RECORD DWG.	LJS

LEEDSHILL-HERKENHOFF, INC
500 Copper Avenue NW
P.O. Box 1217
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DESIGNED BY	T MARTINI	DATE JAN 1997
DRAWN BY	F PHILLIPS	DATE JAN 1997
CHECKED BY	C DODGE	DATE JAN 1997

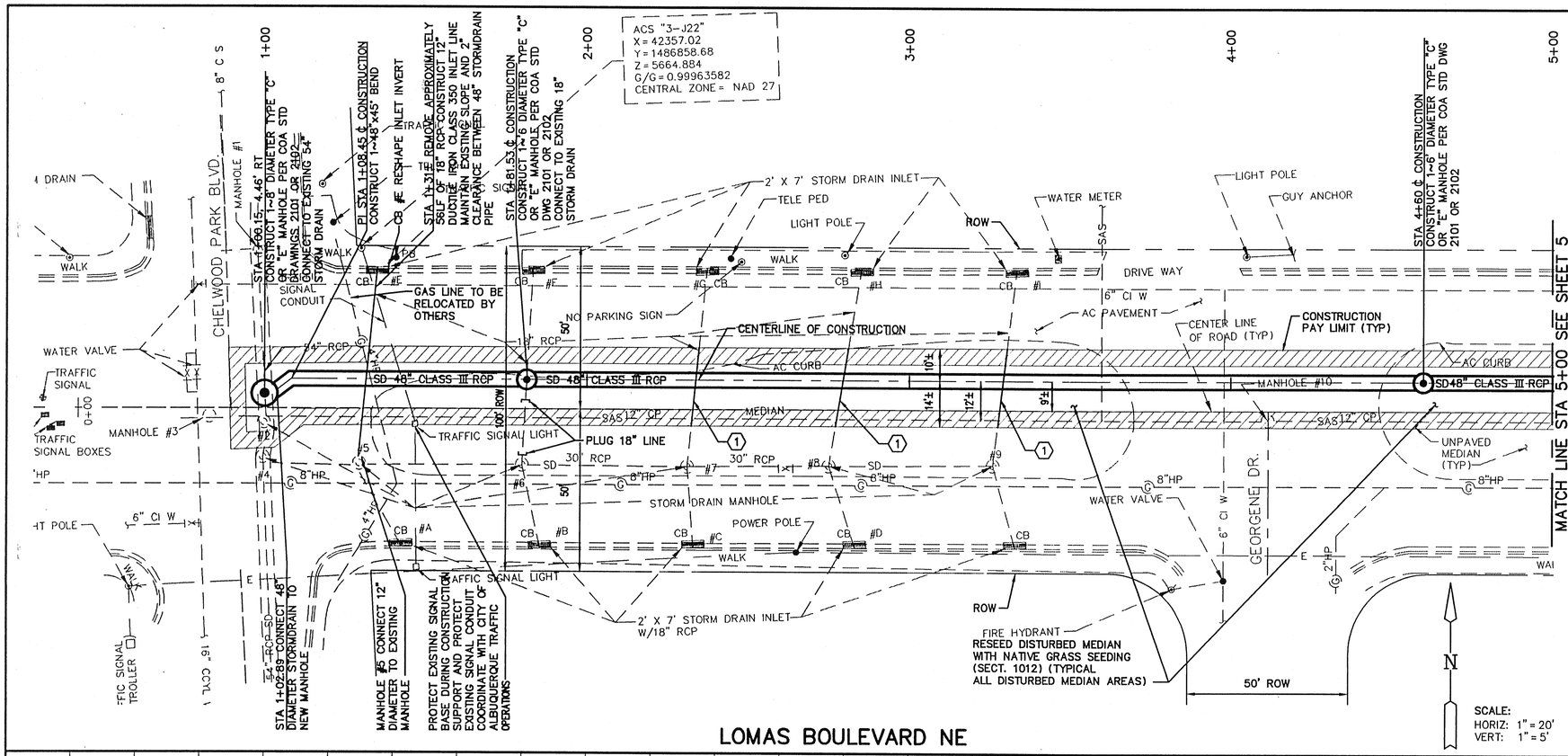
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVMENTS
LOMAS/NAKOMIS AND LOMAS/TRAMWAY
SURVEY CONTROL SHEET

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

City Project No.	Zone Map No.	Sheet	Of
4880.92	K-22,23	3A	24

100/94036.31/SRVSHEET/01-08-98/LJS



NOTES

A FOR SURVEY CONTROL SEE SHEET 3.

B ALL WATER LINE RELOCATION SHALL EMPLOY EXCLUSIVELY MECHANICAL RESTRAINT ON BENDS.

C IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENTS CURRENT DROP-OFF POLICY. THIS WORK SHALL BE INCIDENTAL TO THE PROJECT.

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E FOR PAVEMENT SECTION, SEE SHEET 24, DETAIL 2.

F MEDIAN CURB REMOVED DURING CONSTRUCTION TO BE REPLACED WITH STANDARD ASPHALT CURB IN ACCORDANCE WITH COA STD DWG 2415.

KEYED NOTES ⬡

1 REMOVE AND RE-INSTALL OR REPLACE EXISTING STORMDRAIN LATERALS INCLUDING FIELD CONNECTIONS IF REQUIRED. (INCIDENTAL TO TRENCH AND BACKFILL FOR NEW STORM DRAIN) SEE SHEET 6, DETAIL 9.

EXISTING MANHOLE DATA

MH	RIM ELEV	NORTH INV 1	SOUTH INV 2	EAST INV 3	WEST INV 4	COA GIS NUMBER
1	5663.14	5654.61	5654.59		5662.72	S942
2	5663.95	5654.75	5654.25		5654.25	NO NUMBER
3	5663.41	5654.16		5653.27	5653.22	944
4	5663.55	5654.15	5654.05	5654.26		S43
5	5664.57	5658.57		5656.87	5656.07	S56
6	5666.97	5659.77	5660.27	5659.07	5658.87	S55
7	5669.32	5662.42	5662.82	5661.52	5661.17	S54
8	5670.69	5663.95	5664.35	5663.17	5662.97	S53
9	5672.87	5665.87	5666.37	5665.37	5665.27	S52
10	5676.44			5666.94	5666.84	NO NUMBER
11	5687.90			5678.25	5678.15	
12	5703.10			5693.20	5693.05	964
13	5716.80	5708.65		5707.95	5707.95	972
14	5716.13	5709.28	5709.18			NO NUMBER
15	5718.90	5713.25	5713.15			971
16	5723.00	5716.65			5716.65	873
17	5726.41	5720.41	5720.31	5720.51		875
18	5727.01	5721.01	5720.96	5721.31	5721.01	871
19	5729.39	5723.54	5723.39	5723.49		NO NUMBER
20	5768.75	5757.00		5756.95	5756.75	903
		5761.15				
21	5771.87	5762.25	5761.75	5761.65	5761.55	NO NUMBER
22	5772.86	5767.16	5764.76		5764.86	S902
23	5779.72	5770.12		5770.02	5770.02	S903
24	5794.56	5786.57		5786.57	5786.47	
25	5795.18		5787.18	5787.18	5787.08	

EXISTING STORM DRAIN INLETS	GRATE ELEVATION	INVERT ELEVATION
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B	5667.48	5664.48
C	5669.43	5666.43
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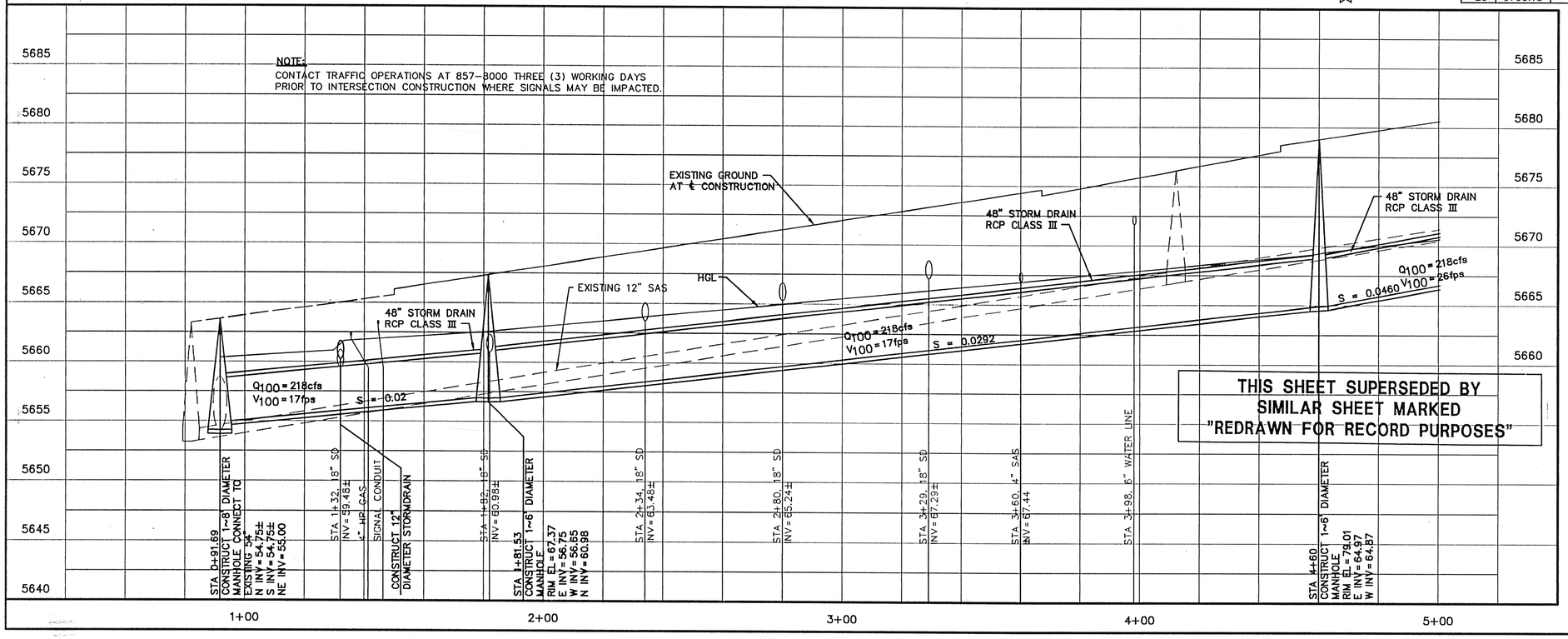


AS BUILT INFORMATION

CONTRACTOR		
WORK STAKED BY		DATE
INSPECTORS ACCEPTANCE BY		DATE
VERIFICATION BY		DATE
DRAWINGS CORRECTED BY		DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

THE STATION IS A STANDARD ACS BRASS TABLET STAMPED "3-J22 1979" SET FLUSH WITH THE GROUND AND LOCATED AT THE NORTHEAST RETURN OF LOMAS BLVD AND CHELWOOD PARK BLVD NE.
ELEV = 5664.88 (SLD 1929)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

LEEDSHILL-HERKENHOFF, INC.

		DATE
DESIGNED BY	RAS/TM/KD	JAN 1996
DRAWN BY	C ROMERO	JAN 1996
CHECKED BY	C DODGE	JAN 1996

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
LOMAS PLAN AND PROFILE
STA 1+00 TO STA 5+00

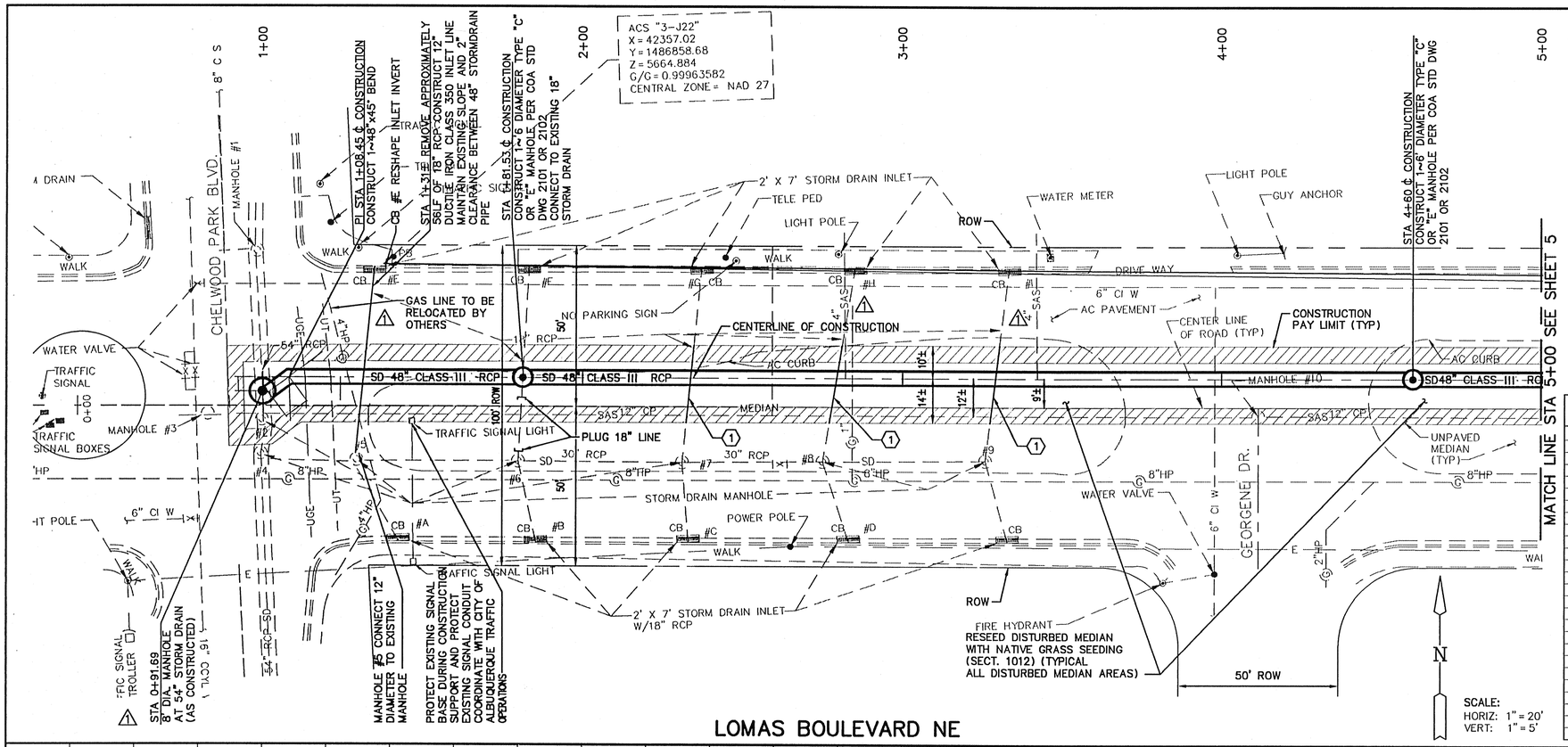
Design Review Committee: APPROVED JUL 1 9 1997 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED JUL 1 9 1997 CITY ENGINEER

Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
4880-92	J,K-22,23	4	24

20/94036_31/DWG/C/LOM-NAK1/6-5-97/BGC



LOMAS BOULEVARD NE

NOTES

A FOR SURVEY CONTROL SEE SHEET 3.

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10	5676.44			5666.94	5666.84	NO NUMBER
11	5687.90			5678.25	5678.15	
12	5703.10			5693.20	5693.05	964
13	5716.80	5708.65		5707.95	5707.95	972
14	5716.13	5709.28	5709.18			NO NUMBER
15	5718.90	5713.25	5713.15			971
16	5723.00	5716.65			5716.65	873
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18	5727.01	5721.01	5720.96	5721.31	5721.01	871
19	5729.39	5723.54	5723.39	5723.49		NO NUMBER
20	5768.75	5757.00		5756.95	5756.75	903
		5761.15				
21	5771.87	5762.25	5761.75	5761.65	5761.55	NO NUMBER
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23	5779.72	5770.12		5770.02	5770.02	S903
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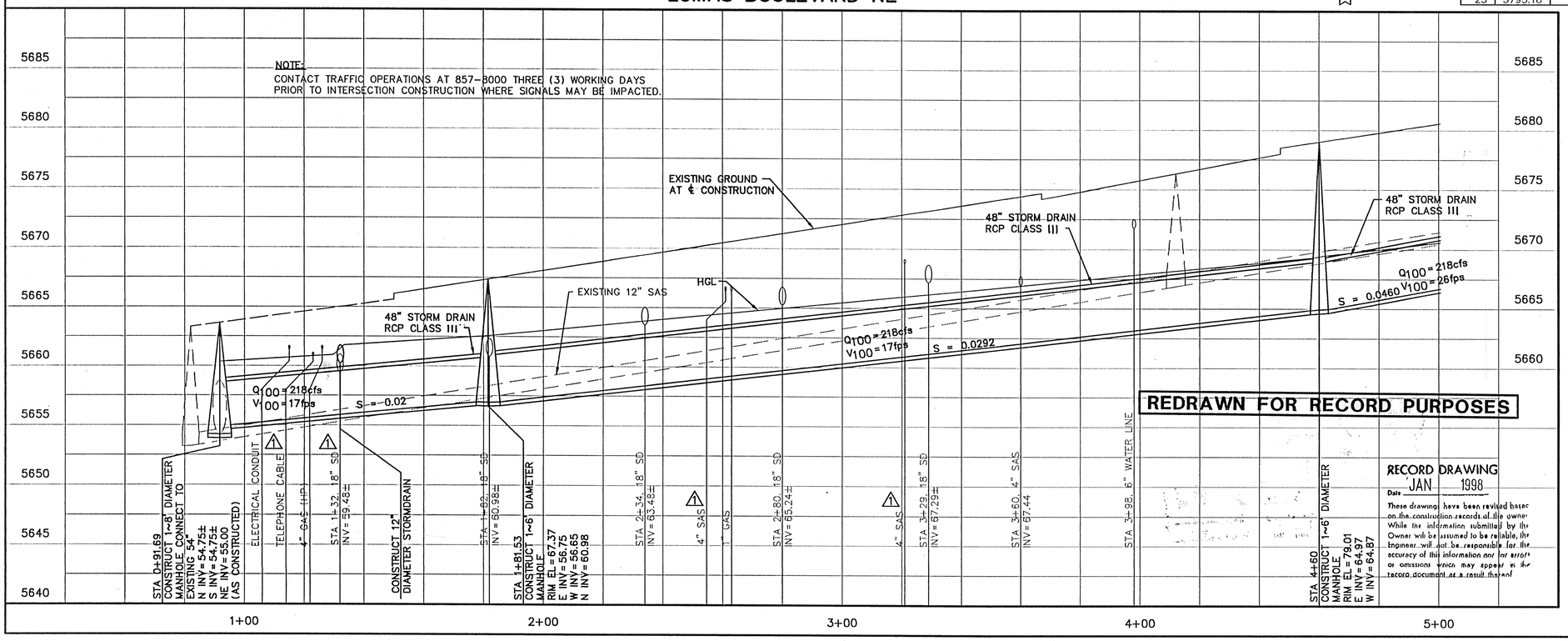


REDRAWN FOR RECORD PURPOSES

RECORD DRAWING
Date JAN 1998

These drawings have been revised based on the construction records of the owner. While the information submitted by the Owner will be assumed to be reliable, the engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in the record document as a result thereof.

AS BUILT INFORMATION

CONTRACTOR	J.R. HALE, INC.	
STAKED BY	CONTRACTOR	DATE 1997
INSPECTOR'S ACCEPTANCE BY	C.O.A.	DATE 1997
FIELD VERIFICATION BY	C.O.A.	DATE 1997
MAPS CORRECTED BY	LH INC.	DATE 1/7/98

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STATION IS A STANDARD ACS BRASS TABLET STAMPED "3-J22 1979" SET FLUSH WITH THE GROUND AND LOCATED AT THE NORTHEAST RETURN OF LOMAS BLVD AND CHELWOOD PARK BLVD NE.
ELEV = 5664.88 (SLD 1929)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY
1	1/98	CHANGES AS PER RECORD DWG.	LJS

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

LEEDSHILL-HERKENHOFF, INC.
DESIGNED BY RAS/TM/KD DATE JAN 1996
DRAWN BY C ROMERO DATE JAN 1996
CHECKED BY C DODGE DATE JAN 1996

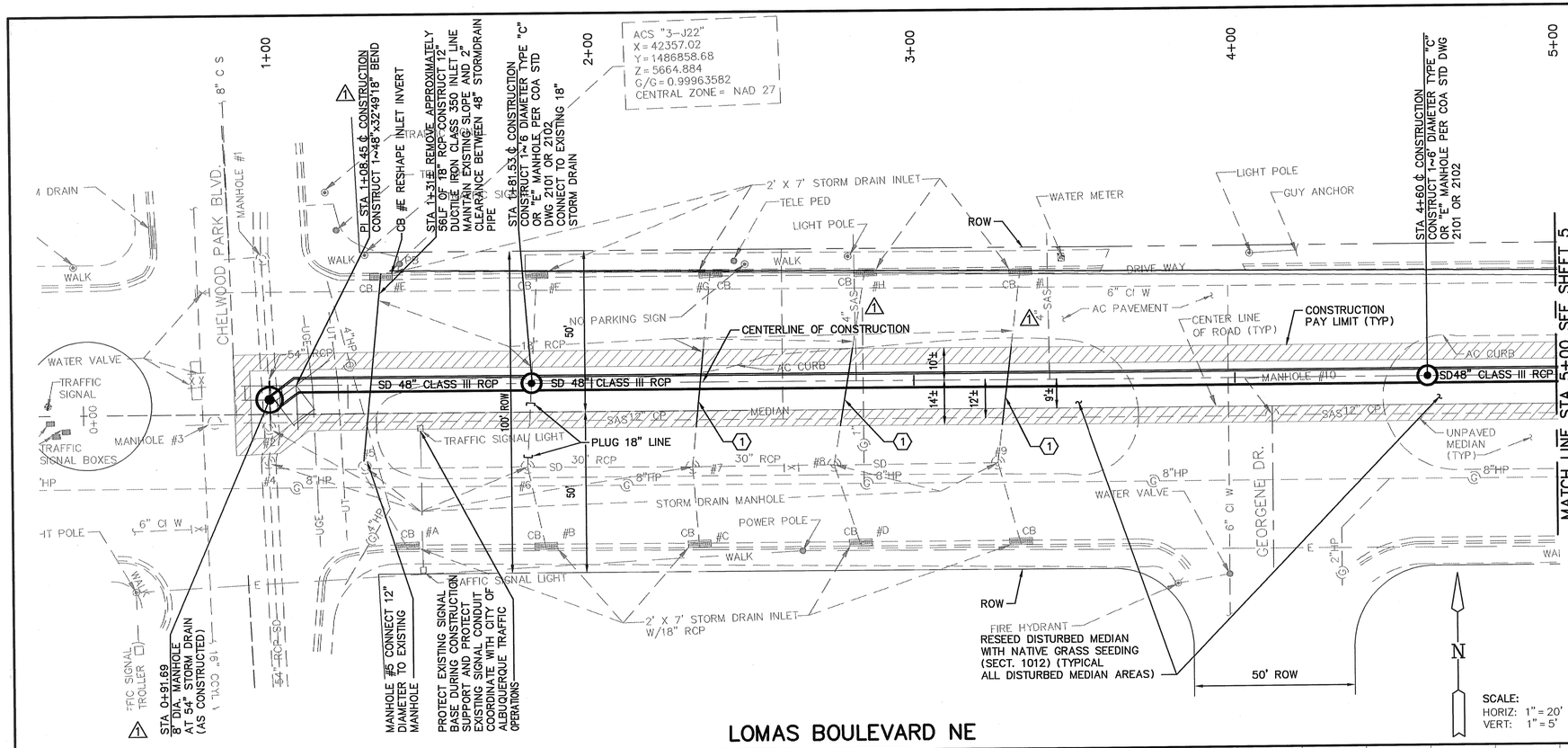
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
LOMAS PLAN AND PROFILE
STA 1+00 TO STA 5+00

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

City Project No.	Zone Map No.	Sheet	Of
4880-92	J,K-22,23	4A	24

20/94036_31/DWG/C/LOM-NAK1/1-8-98/LJS



LOMAS BOULEVARD NE

NOTES

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10	5676.44			5666.94	5666.84	NO NUMBER
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EXISTING STORM DRAIN INLETS	GRATE ELEVATION	INVERT ELEVATION
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E	5663.59	5660.59
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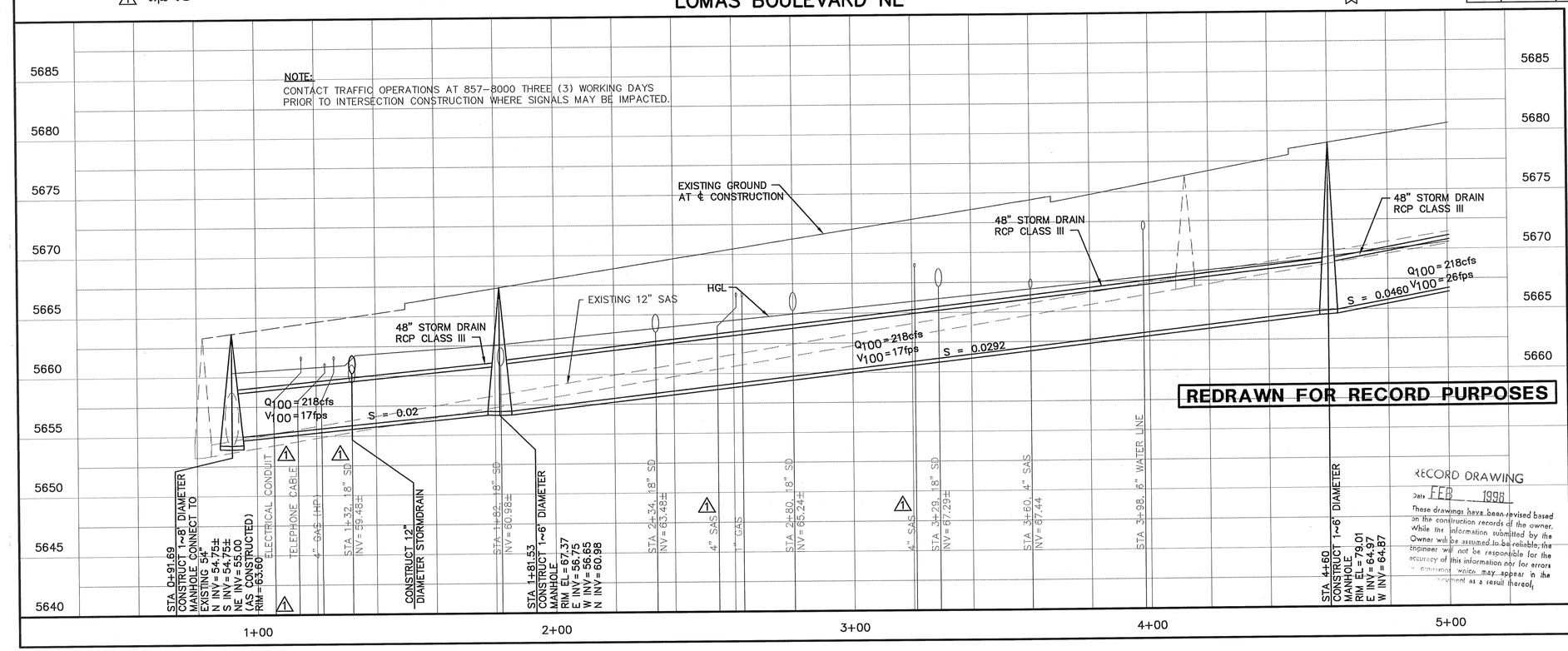

AS BUILT INFORMATION
CONTRACTOR JR. HALE, INC.
STAKED BY CONTRACTOR DATE 1997
INSPECTOR ACCEPTANCE BY C.O.A. DATE 1997
FIELD VERIFICATION BY C.O.A. DATE 1997
DRAWINGS CORRECTED BY LH INC. DATE 1/7/98
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

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ELEV = 5664.88 (SLD 1929)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	1/98	CHANGES AS PER RECORD DWG.	LJS

REVISIONS

LEEDSHILL-HERKENHOFF, INC.
DESIGNED BY RAS/TM/KD DATE JAN 1996
DRAWN BY C ROMERO DATE JAN 1996
CHECKED BY C DODGE DATE JAN 1996

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

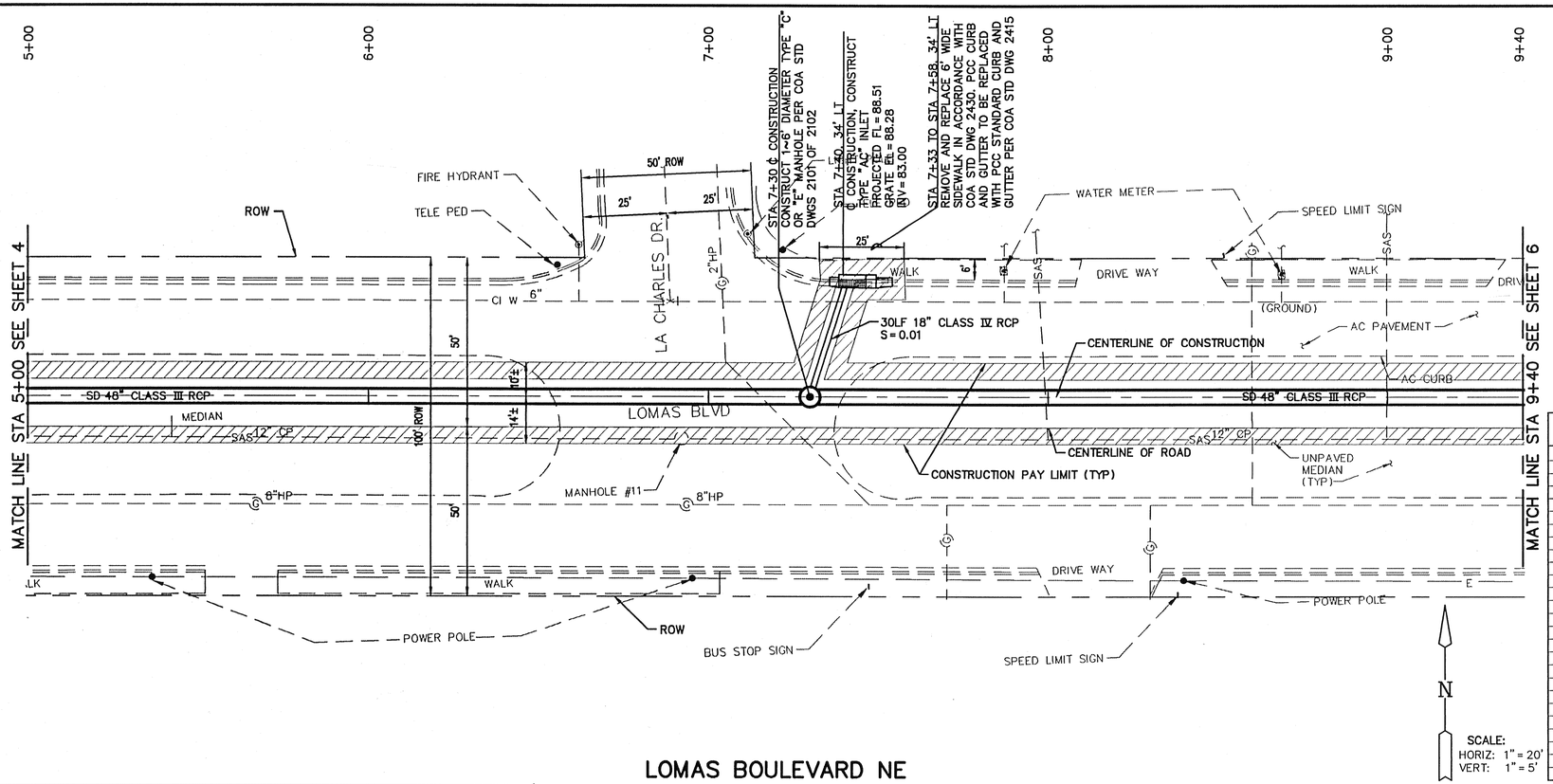
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
LOMAS PLAN AND PROFILE
STA 1+00 TO STA 5+00

Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 4880-92 | Zone Map No. J,K-22,23 | Sheet 4B Of 24

20/94036_31/DWG/C/LOM-NAK1/2-2-98/LJS



LOMAS BOULEVARD NE

NOTES

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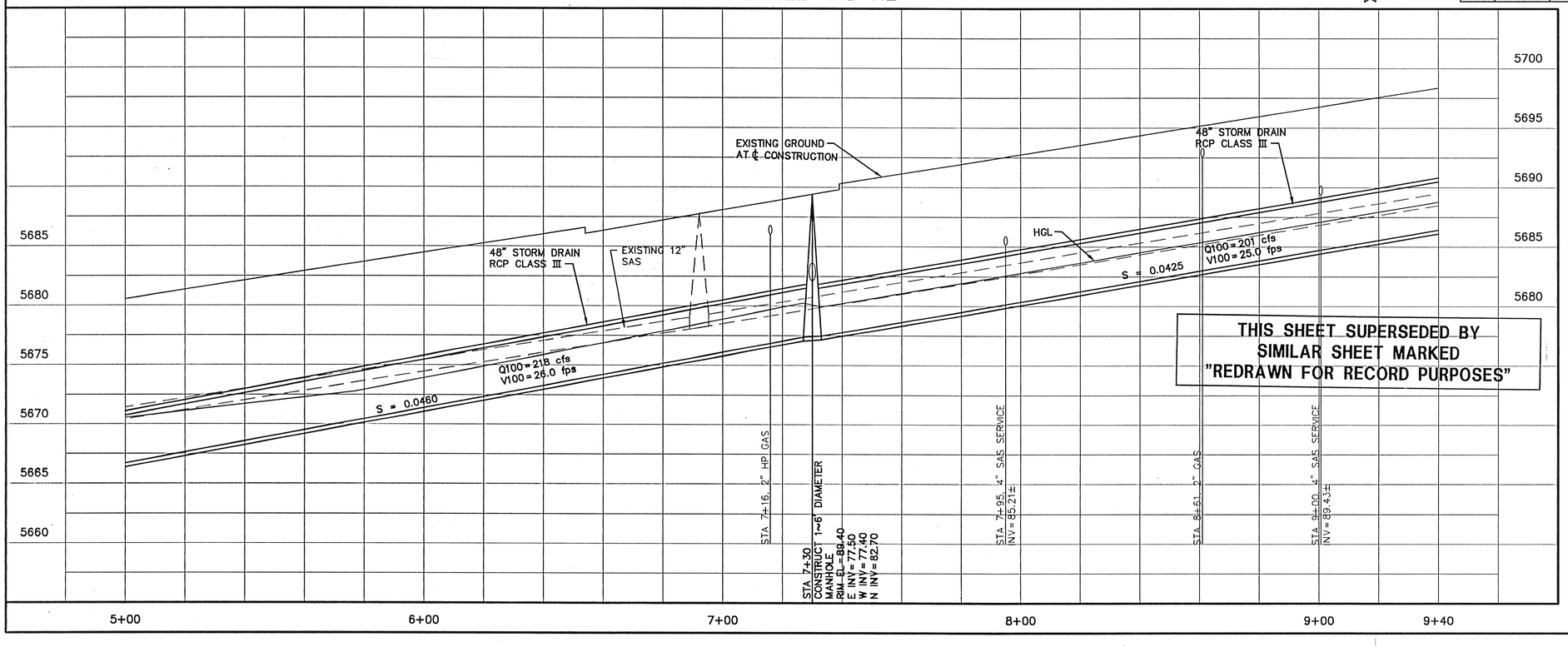

THIS SHEET SUPERSEDED BY SIMILAR SHEET MARKED "REDRAWN FOR RECORD PURPOSES"

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

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ELEV = 5664.88 (SLD 1929)

FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
CLIFTON E. HERKENHOFF
NEW MEXICO
6119
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

LEEDSHILL-HERKENHOFF, INC.
DESIGNED BY RAS/TM/KO DATE JAN 1997
DRAWN BY C ROMERO DATE JAN 1997
CHECKED BY C DODGE DATE JAN 1997

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

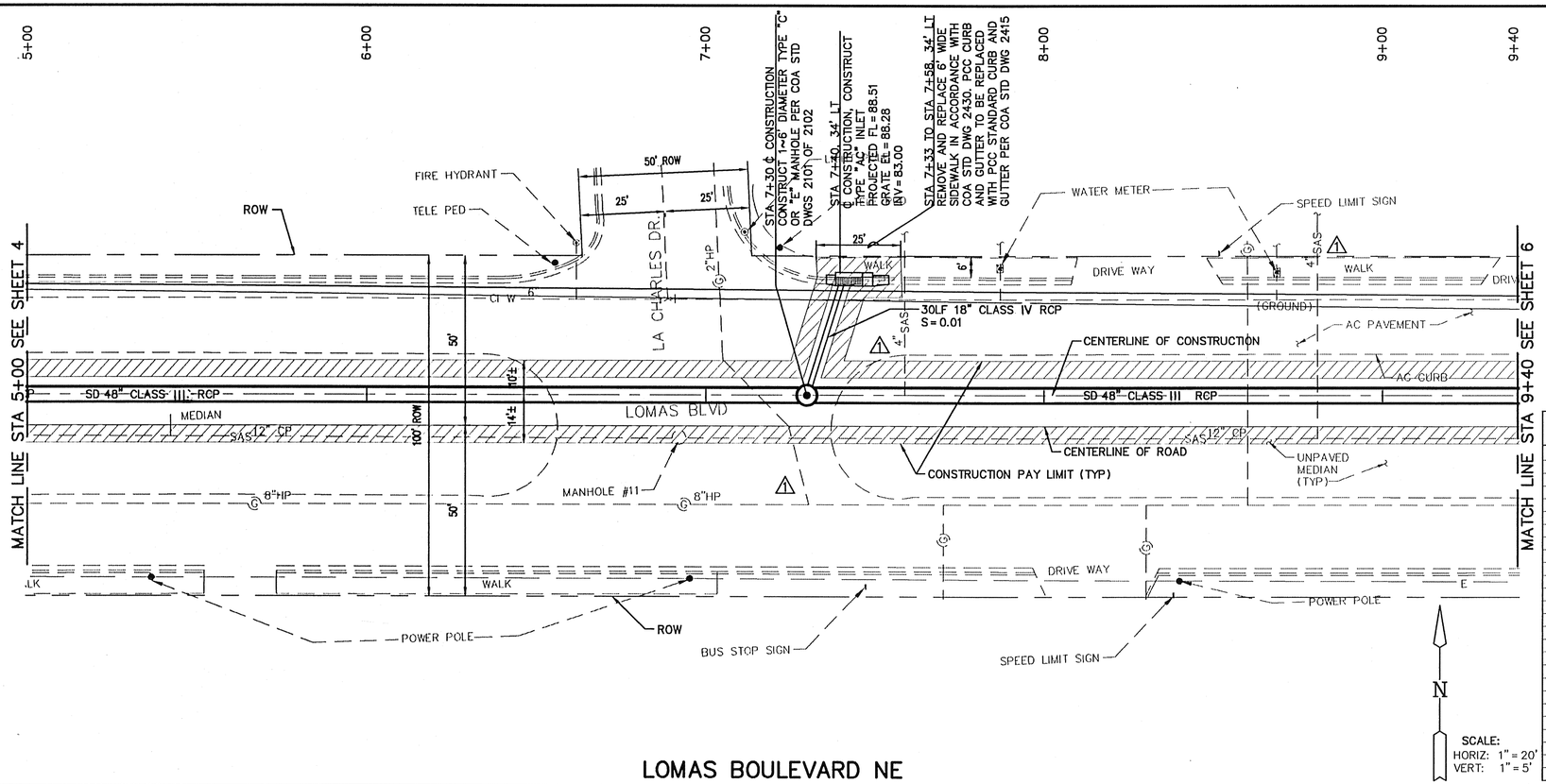
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
LOMAS PLAN AND PROFILE
STA 5+00 TO STA 9+40

Design Review Committee: APPROVED JUN 19 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUN 19 1997 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 4880-92 | Zone Map No. J,K-22,23 | Sheet 5 Of 24

20/94036_31/DWG/C/LOM-NAK1/5-12-97/BGC



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

LOMAS BOULEVARD NE

NOTES

A FOR SURVEY CONTROL SEE SHEET 3.

B ALL WATER LINE RELOCATION SHALL EMPLOY EXCLUSIVELY MECHANICAL RESTRAINT ON BENDS.

C IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENTS CURRENT DROP-OFF POLICY. THIS WORK SHALL BE INCIDENTAL TO THE PROJECT.

D PROVIDE SHORING OR TRENCH PROTECTION TO PROTECT EXISTING AC CURB ON LOMAS AS SHOWN. DAMAGE TO AC CURB OUTSIDE THE CONSTUCTION PAY LIMITS MUST BE REPAIRED AT CONTRACTORS EXPENSE. SEE SHEET 24, DETAIL 2

E FOR PAVEMENT SECTION, SEE SHEET 24, DETAIL 2.

F MEDIAN CURB REMOVED DURING CONSTRUCTION TO BE REPLACED WITH STANDARD ASPHALT CURB IN ACCORDANCE WITH COA STD DWG 2415.

EXISTING MANHOLE DATA

MH	RIM ELEV	NORTH INV 1	SOUTH INV 2	EAST INV 3	WEST INV 4	COA GIS NUMBER
1	5663.14	5654.61	5654.59		5662.72	S942
2	5663.95	5654.75	5654.25		5654.25	NO NUMBER
3	5663.41	5654.16		5653.27	5653.22	944
4	5663.55	5654.15	5654.05	5654.26		S43
5	5664.57	5658.57		5656.87	5656.07	S56
6	5666.97	5659.77	5660.27	5659.07	5658.87	S55
7	5669.32	5662.42	5662.82	5661.52	5661.17	S54
8	5670.69	5663.95	5664.35	5663.17	5662.97	S53
9	5672.87	5665.87	5666.37	5665.37	5665.27	S52
10	5676.44			5666.94	5666.84	NO NUMBER
11	5687.90			5678.25	5678.15	
12	5703.10			5693.20	5693.05	964
13	5716.80	5708.65		5707.95	5707.95	972
14	5716.13	5709.28	5709.18			NO NUMBER
15	5718.90	5713.25	5713.15			971
16	5723.00	5716.65			5716.65	873
17	5726.41	5720.41	5720.31	5720.51		875
18	5727.01	5721.01	5720.96	5721.31	5721.01	871
19	5729.39	5723.54	5723.39	5723.49		NO NUMBER
20	5768.75	5757.00		5756.95	5756.75	903
		5761.15				
21	5771.87	5762.25	5761.75	5761.65	5761.55	NO NUMBER
22	5772.86	5767.16	5764.76		5764.86	S902
23	5779.72	5770.12		5770.02	5770.02	S903
24	5794.56	5786.57		5786.57	5786.47	
25	5795.18		5787.18	5787.18	5787.08	

EXISTING STORM DRAIN INLETS	GRATE ELEVATION	INVERT ELEVATION
A	5663.77	5660.77
B	5667.48	5664.48
C	5669.43	5666.43
D	5671.53	5668.53
E	5663.59	5660.59
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I	5671.69	5668.96
J	5773.37	5770.37
K	5774.47	5771.43
L	5779.89	5776.89
M	5781.34	5778.34
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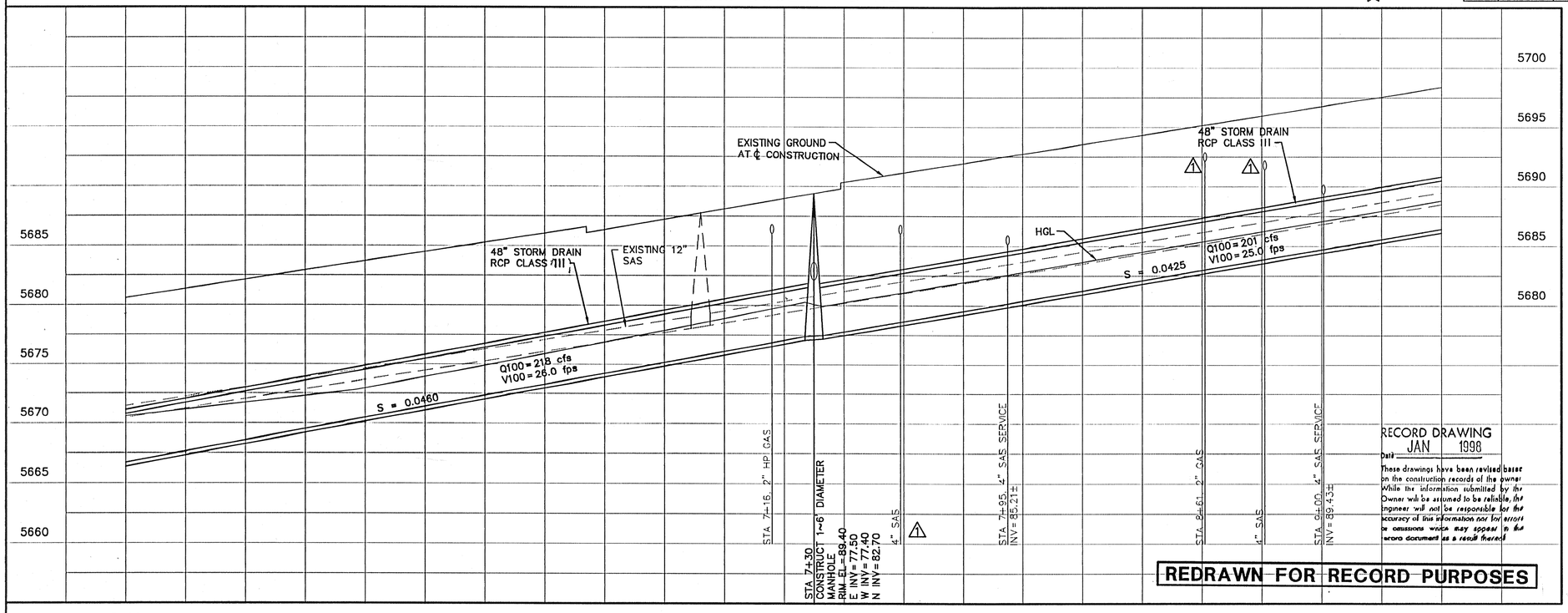


RECORD DRAWING
JAN 1998
Date
These drawings have been revised based on the construction records of the owner. While the information submitted by the Owner will be assumed to be reliable, the engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in the record document as a result thereof.

REDRAWN FOR RECORD PURPOSES

AS BUILT INFORMATION

CONTRACTOR	J.R. HALE, INC.	
WORK STAKED BY	CONTRACTOR	DATE 1997
INSPECTORS ACCEPTANCE BY	C.O.A.	DATE 1997
VERIFICATION BY	C.O.A.	DATE 1997
CORRECTED BY	LH INC.	DATE 1/7/98

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

THE STATION IS A STANDARD ACS BRASS TABLET STAMPED "3-J22 1979" SET FLUSH WITH THE GROUND AND LOCATED AT THE NORTHEAST RETURN OF LOMAS BLVD AND CHELWOOD PARK BLVD NE.
ELEV=5664.88 (SLD 1929)

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REVISIONS	BY
1	1/98	CHANGES AS PER RECORD DWG	LJS

REMARKS

LEEDSHILL-HERKENHOFF, INC.
DESIGNED BY RAS/TM/KD DATE JAN 1997
DRAWN BY C ROMERO DATE JAN 1997
CHECKED BY C DODGE DATE JAN 1997

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

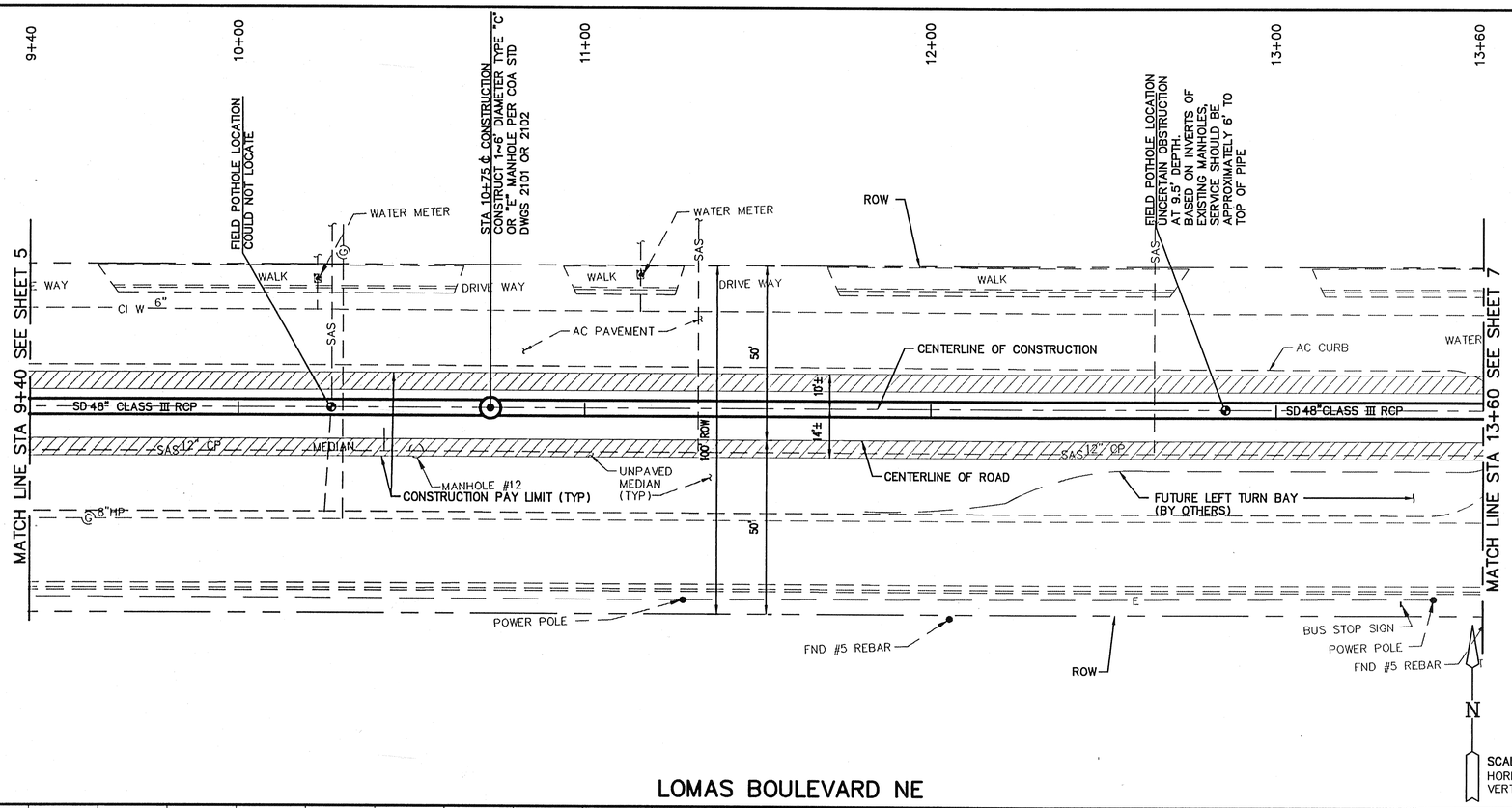
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
LOMAS PLAN AND PROFILE
STA 5+00 TO STA 9+40

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

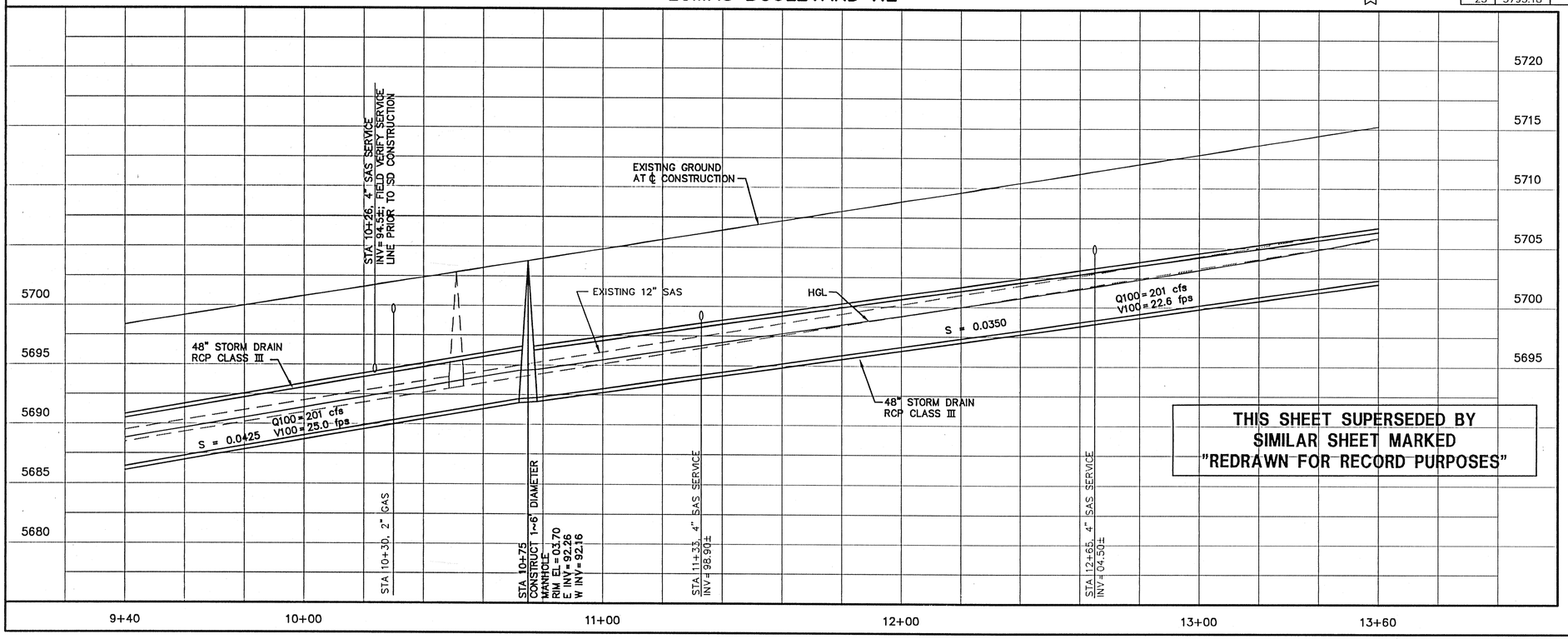
City Project No.	Zone Map No.	Sheet	Of
4880-92	J,K-22,23	5A	24

20/94036_31/DWG/C/LOM-NAK1/1-8-97/BGC



LOMAS BOULEVARD NE

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



THIS SHEET SUPERSEDED BY SIMILAR SHEET MARKED "REDRAWN FOR RECORD PURPOSES"

NOTES

A FOR SURVEY CONTROL SEE SHEET 3.

B ALL WATER LINE RELOCATION SHALL EMPLOY EXCLUSIVELY MECHANICAL RESTRAINT ON BENDS.

C IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENTS CURRENT DROP-OFF POLICY. THIS WORK SHALL BE INCIDENTAL TO THE PROJECT.

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E FOR PAVEMENT SECTION, SEE SHEET 24, DETAIL 2.

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EXISTING MANHOLE DATA

MH	RIM ELEV	NORTH INV 1	SOUTH INV 2	EAST INV 3	WEST INV 4	COA GIS NUMBER
1	5663.14	5654.61	5654.59		5662.72	S942
2	5663.95	5654.75	5654.25		5654.25	NO NUMBER
3	5663.41	5654.16		5653.27	5653.22	944
4	5663.55	5654.15	5654.05	5654.26		S43
5	5664.57	5658.57		5656.87	5656.07	S56
6	5666.97	5659.77	5660.27	5659.07	5658.87	S55
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8	5670.69	5663.95	5664.35	5663.17	5662.97	S53
9	5672.87	5665.87	5666.37	5665.37	5665.27	S52
10	5676.44			5666.94	5666.84	NO NUMBER
11	5687.90			5678.25	5678.15	
12	5703.10			5693.20	5693.05	964
13	5716.80	5708.65		5707.95	5707.95	972
14	5716.13	5709.28	5709.18			NO NUMBER
15	5718.90	5713.25	5713.15			971
16	5723.00	5716.65			5716.65	873
17	5726.41	5720.41	5720.31	5720.51		875
18	5727.01	5721.01	5720.96	5721.31	5721.01	871
19	5729.39	5723.54	5723.39	5723.49		NO NUMBER
20	5768.75	5757.00		5756.95	5756.75	903
		5761.15				
21	5771.87	5762.25	5761.75	5761.65	5761.55	NO NUMBER
22	5772.86	5767.16	5764.76		5764.86	S902
23	5779.72	5770.12		5770.02	5770.02	S903
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25	5795.18		5787.18	5787.18	5787.08	

EXISTING STORM DRAIN INLETS	GRATE ELEVATION	INVERT ELEVATION
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D	5671.53	5668.53
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AS BUILT INFORMATION
CONTRACTOR / DATE
WORK STAKED BY / DATE
INSPECTOR'S ACCEPTANCE BY / DATE
FIELD VERIFICATION BY / DATE
DRAWINGS CORRECTED BY / DATE
MICRO-FILM INFORMATION
RECORDED BY / DATE
NO.

BENCH MARKS
THE STATION IS A STANDARD ACS BRASS TABLET STAMPED "3-J22 1979" SET FLUSH WITH THE GROUND AND LOCATED AT THE NORTHEAST RETURN OF LOMAS BLVD AND CHELWOOD PARK BLVD NE.
ELEV= 5664.88 (SLD 1929)

FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
CITY OF ALBUQUERQUE REGISTERED PROFESSIONAL ENGINEER 6410 NEW MEXICO

NO.	DATE	REMARKS	BY
		REVISIONS	

LEEDSHILL-HERKENHOFF, INC.
DESIGNED BY RAS/TM/KD DATE JAN 1997
DRAWN BY C ROMERO DATE JAN 1997
CHECKED BY C DODGE DATE JAN 1997

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

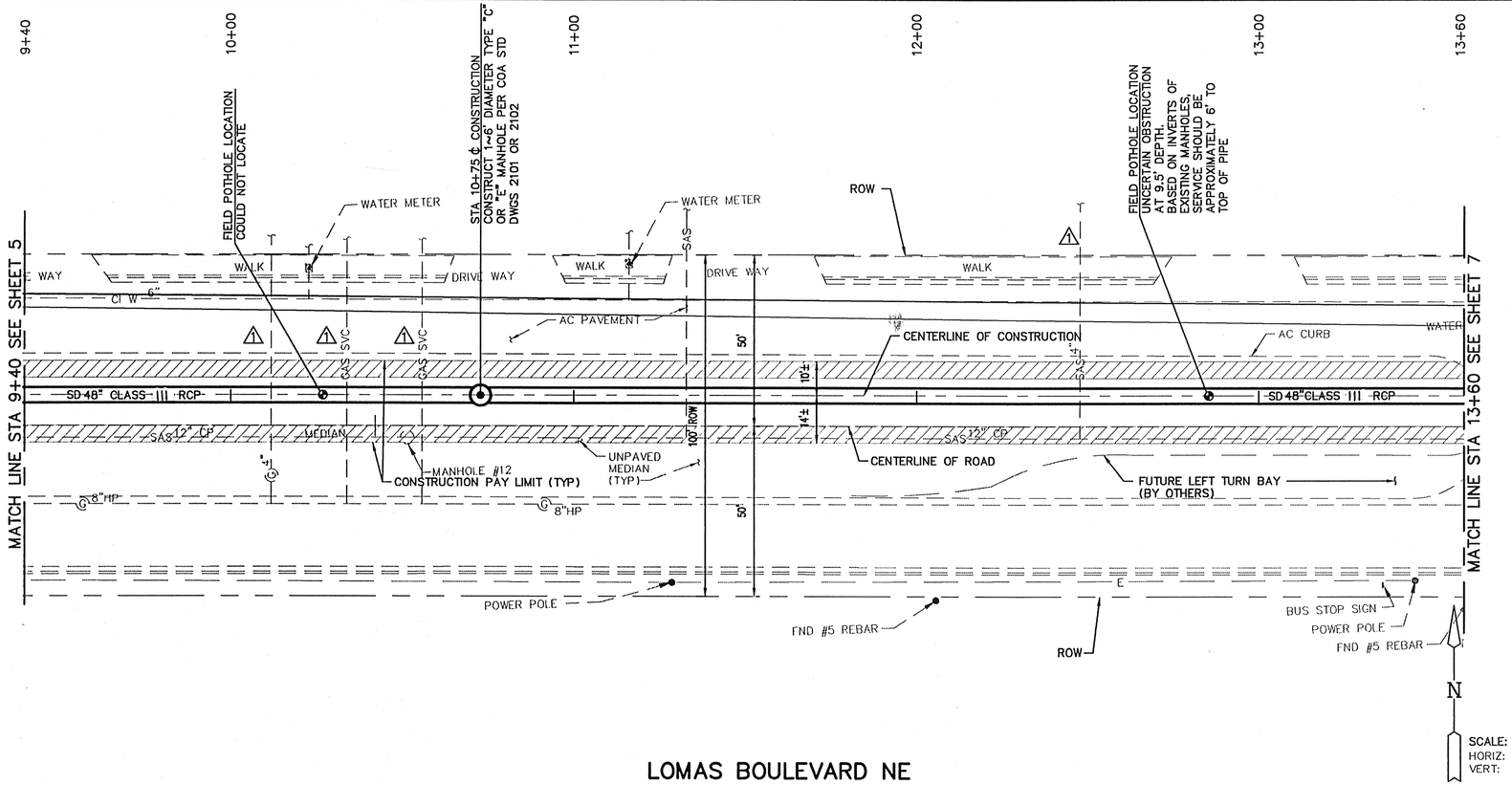
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
LOMAS PLAN AND PROFILE
STA 9+40 TO STA 13+60

Drain. Review Committee: APPROVED JUN 19 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUN 19 1997 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 4880-92 | Zone Map No. J,K-22,23 | Sheet 6 Of 24

20/94036_31/DWG/C/LOM-NAK1/5-12-97/BGC



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

LOMAS BOULEVARD NE

NOTES

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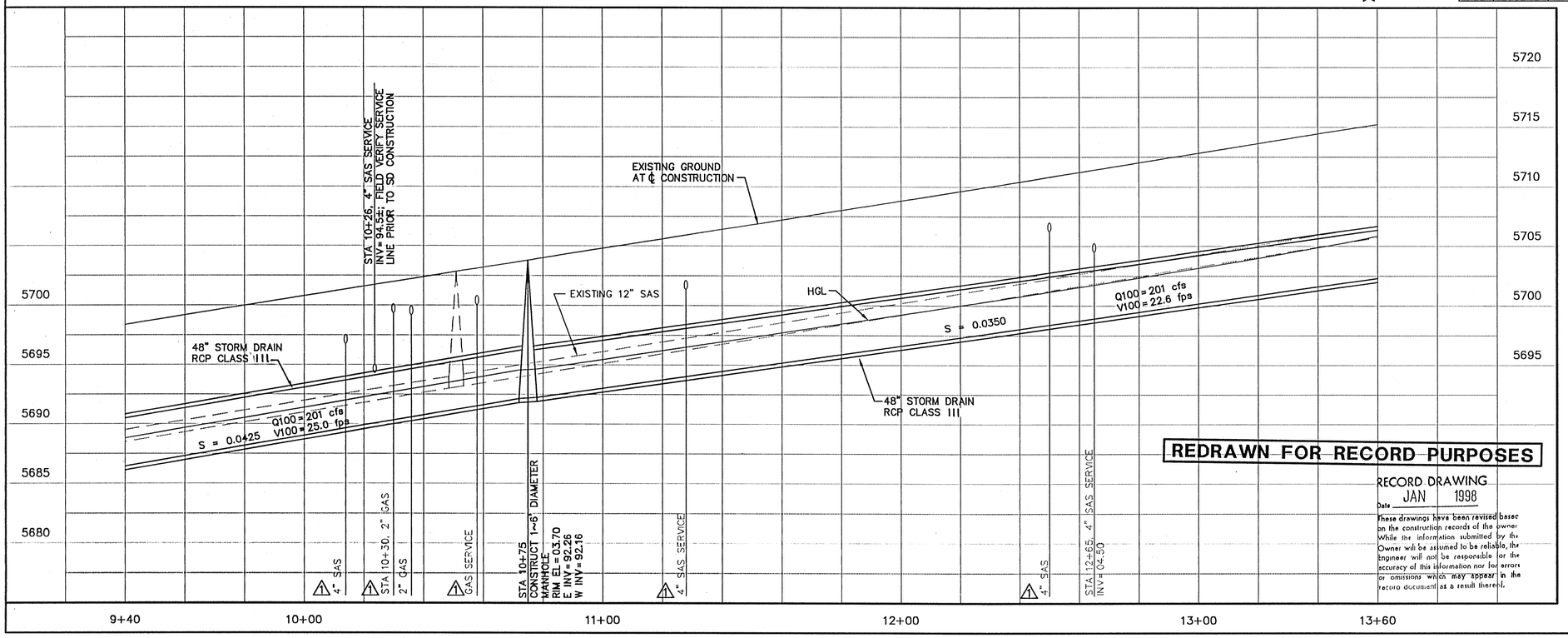

REDRAWN FOR RECORD PURPOSES

RECORD DRAWING
Date JAN 1998

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AS BUILT INFORMATION
CONTRACTOR J.R. HALE, INC.
WORK STAKED BY CONTRACTOR DATE 1997
INSPECTOR ACCEPTANCE BY C.O.A. DATE 1997
FIELD VERIFICATION BY C.O.A. DATE 1997
DRAWINGS CORRECTED BY LH INC. DATE 1/7/98
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STATION IS A STANDARD ACS BRASS TABLET STAMPED "3-J22 1979" SET FLUSH WITH THE GROUND AND LOCATED AT THE NORTHEAST RETURN OF LOMAS BLVD AND CHELWOOD PARK BLVD NE.
ELEV= 5664.88 (SLD 1929)

FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	1/98	CHANGES AS PER RECORD DWG.	LJS

REVISIONS

LEEDSHILL-HERKENHOFF, INC. DATE JAN 1997
DESIGNED BY RAS/TM/KD
DRAWN BY C. ROMERO DATE JAN 1997
CHECKED BY C. DODGE DATE JAN 1997

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

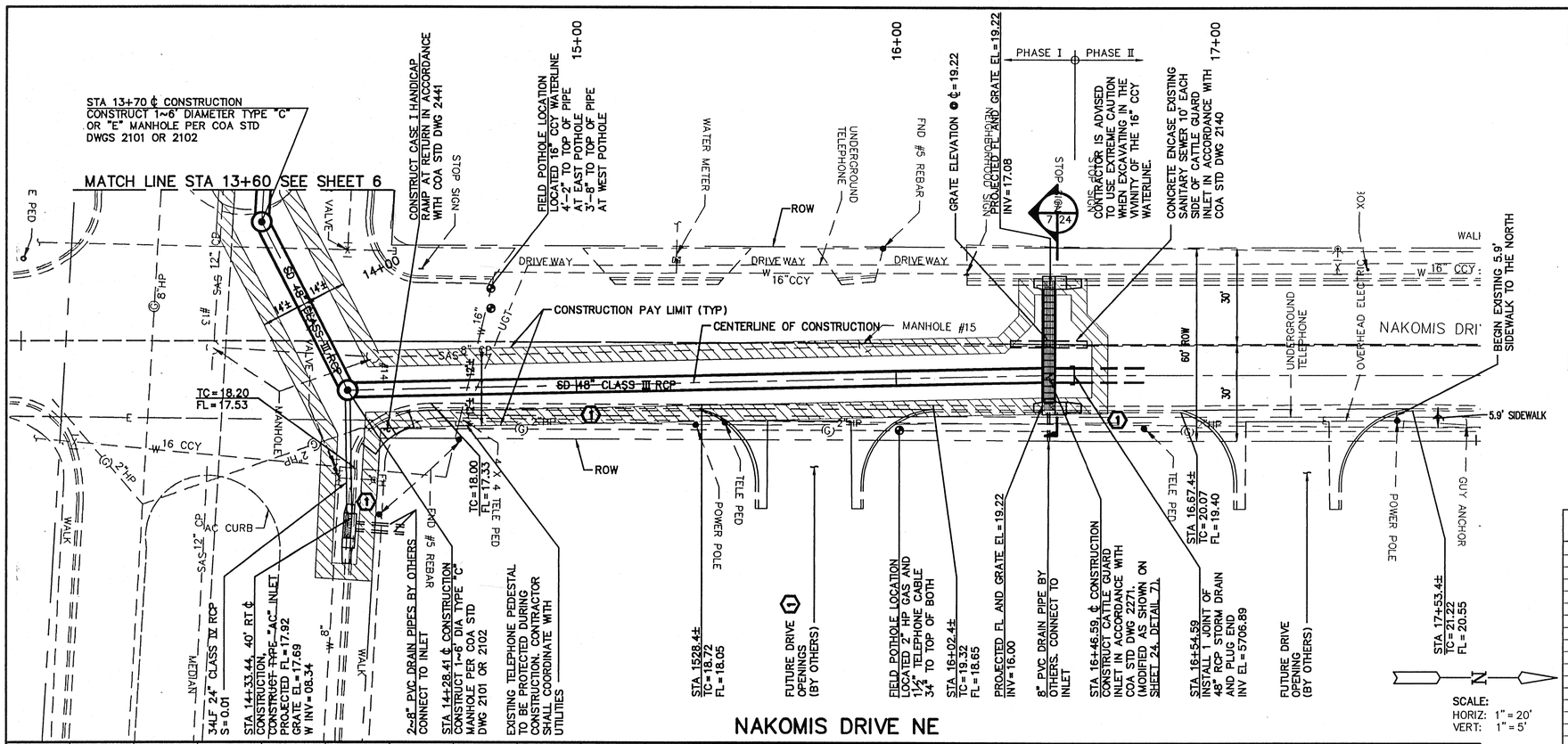
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
LOMAS PLAN AND PROFILE
STA 9+40 TO STA 13+60

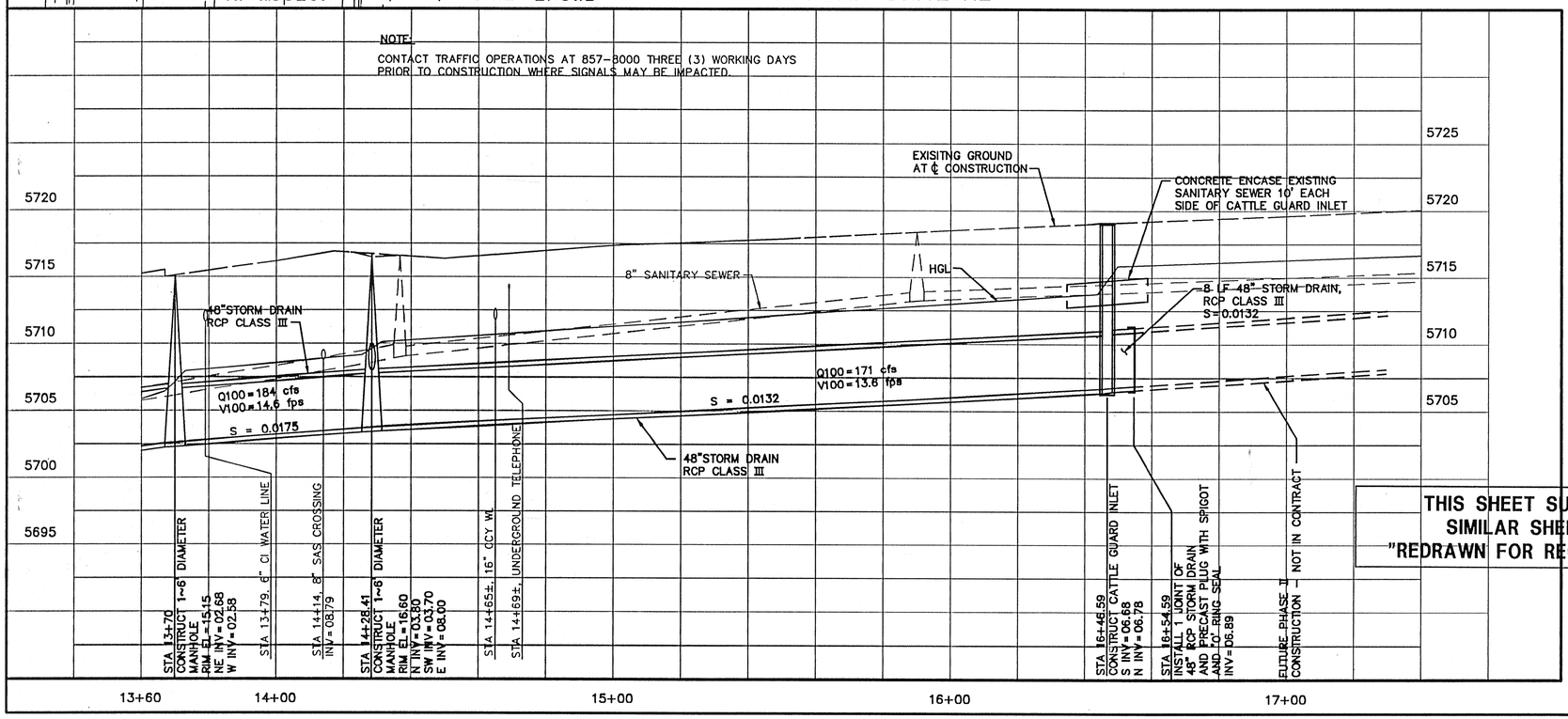
Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 4880-92 | Zone Map No. J,K-22,23 | Sheet 6A Of 24

20/94036_31/DWG/C/LOM-NAK1/1-8-98/LJS



NOTE:
CONTACT TRAFFIC OPERATIONS AT 857-8000 THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION WHERE SIGNALS MAY BE IMPACTED.



THIS SHEET SUPERSEDED BY SIMILAR SHEET MARKED "REDRAWN FOR RECORD PURPOSES"

NOTES

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E PAVEMENT REPLACEMENT SECTION FOR NAKOMIS SHALL BE IN ACCORDANCE WITH COA STD DWG 2405 FOR FLEXIBLE PAVEMENT.

F CURB AND GUTTER REMOVED DURING CONSTRUCTION TO BE REPLACED WITH PCC STANDARD CURB AND GUTTER IN ACCORDANCE WITH COA STD DWG 2415.

KEYED NOTES ⬡

1 SIDEWALK, DRIVE ENTRANCES AND OTHER SITE MODIFICATIONS MAY PRECEDE OR BE CONCURRENT WITH THIS PROJECT. REMOVAL AND REPLACEMENT QUANTITIES MAY BE AFFECTED.

EXISTING MANHOLE DATA

MH	RIM ELEV	NORTH INV 1	SOUTH INV 2	EAST INV 3	WEST INV 4	COA GIS NUMBER
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17	5726.41	5720.41	5720.31	5720.51		875
18	5727.01	5721.01	5720.96	5721.31	5721.01	871
19	5729.39	5723.54	5723.39	5723.49		NO NUMBER
20	5768.75	5757.00		5756.95	5756.75	903
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21	5771.87	5762.25	5761.75	5761.65	5761.55	NO NUMBER
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K	5774.47	5771.43
L	5779.89	5776.89
M	5781.34	5778.34
N	5772.89	5769.89

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTORS ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
THE STATION IS A STANDARD ACS BRASS TABLET STAMPED "3-J22 1979" SET FLUSH WITH THE GROUND AND LOCATED AT THE NORTHEAST RETURN OF LOMAS BLVD AND CHELWOOD PARK BLVD NE.
ELEV = 5664.88 (SLD 1929)

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
CLIVE N. DODGE NEW MEXICO 6410 REGISTERED PROFESSIONAL ENGINEER
6-9-97

NO.	DATE	REMARKS	BY
		REVISIONS	

LEEDSHILL-HERKENHOFF, INC. DATE JAN 1997
DESIGNED BY RAS/TM/KD
DRAWN BY C ROMERO DATE JAN 1997
CHECKED BY C DODGE DATE JAN 1997

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

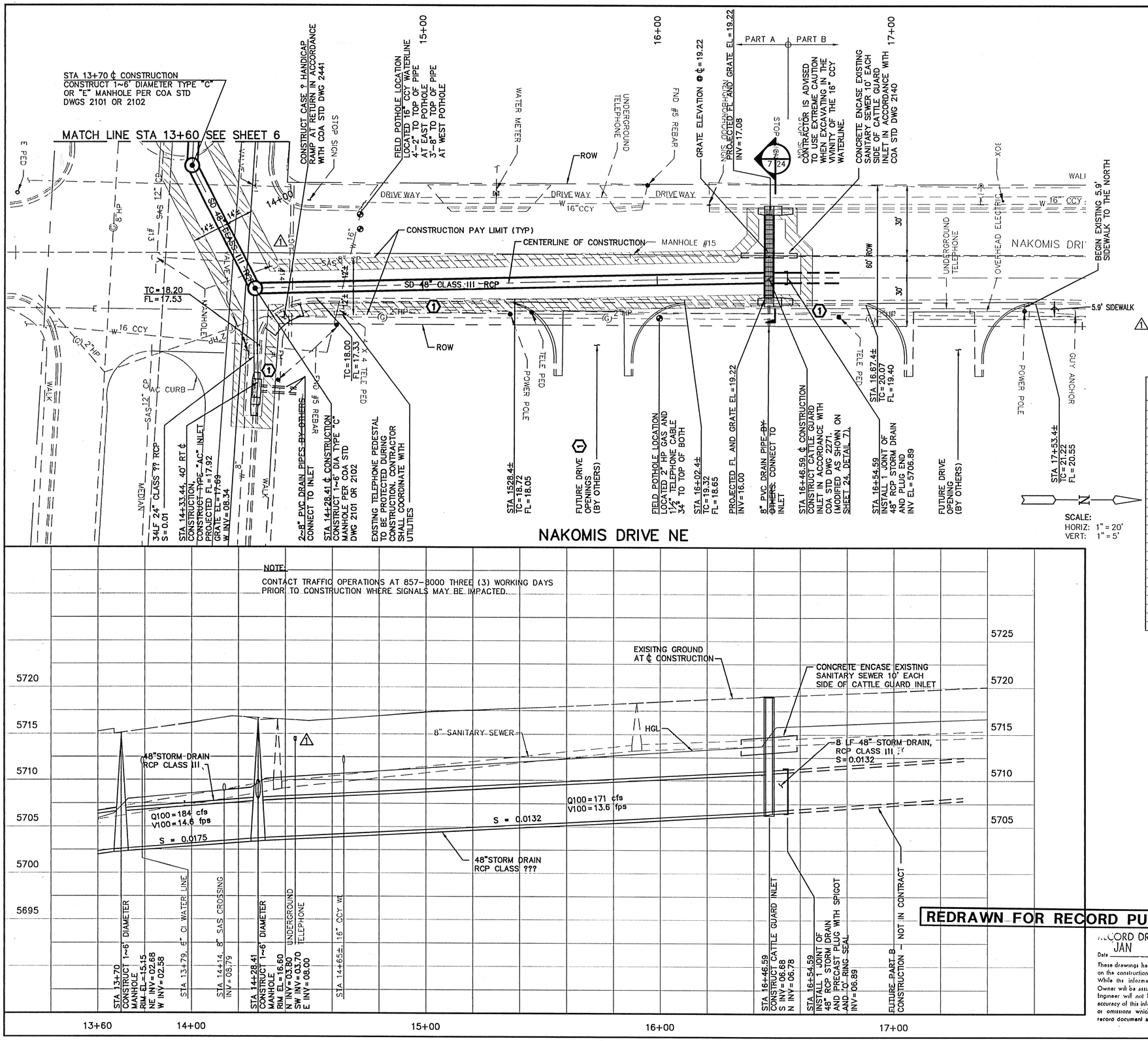
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
NAKOMIS PLAN AND PROFILE
STA 13+60 TO STA 16+54.59

Design Review Committee: APPROVED JUN 19 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUN 19 1997 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 4880-92 | Zone Map No. J,K-22,23 | Sheet 7 Of 24

20/94036_31/DWG/C/LOM-NAKI/6-5-97/BGC



NOTES

A FOR SURVEY CONTROL SEE SHEET 3.

B ALL WATER LINE RELOCATION SHALL EMPLOY EXCLUSIVELY MECHANICAL RESTRAINT ON BENDS.

C IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENTS CURRENT DROP-OFF POLICY. THIS WORK SHALL BE INCIDENTAL TO THE PROJECT.

D PROVIDE SHORING OR TRENCH PROTECTION TO PROTECT EXISTING AC CURB ON LOMAS AS SHOWN. DAMAGE TO AC CURB OUTSIDE THE CONSTUCTION PAY LIMITS MUST BE REPAIRED AT CONTRACTORS EXPENSE. SEE SHEET 24, DETAIL 2

E PAVEMENT REPLACEMENT SECTION FOR NAKOMIS SHALL BE IN ACCORDANCE WITH COA STD DWG 2405 FOR FLEXIBLE PAVEMENT.

F CURB AND GUTTER REMOVED DURING CONSTRUCTION TO BE REPLACED WITH PCC STANDARD CURB AND GUTTER IN ACCORDANCE WITH COA STD DWG 2415.

KEYED NOTES

1 SIDEWALK, DRIVE ENTRANCES AND OTHER SITE MODIFICATIONS MAY PRECEDE OR BE CONCURRENT WITH THIS PROJECT. REMOVAL AND REPLACEMENT QUANTITIES MAY BE AFFECTED.

△1 2 EXISTING UNDERGROUND TELEPHONE CABLE 22' RT. OF CL AT CATTLE GUARD.

EXISTING MANHOLE DATA

MH	RIM ELEV	NORTH INV 1	SOUTH INV 2	EAST INV 3	WEST INV 4	COA GIS NUMBER
1	5663.14	5654.61	5654.59		5662.72	S942
2	5663.95	5654.75	5654.25		5654.25	NO NUMBER
3	5663.41	5654.16		5653.27	5653.22	944
4	5663.55	5654.15	5654.05	5654.26		S43
5	5664.57	5658.57		5656.87	5656.07	S56
6	5666.97	5659.77	5660.27	5659.07	5658.87	S55
7	5669.32	5662.42	5662.82	5661.52	5661.17	S54
8	5670.69	5663.95	5664.35	5663.17	5662.97	S53
9	5672.87	5665.87	5666.37	5665.37	5665.27	S52
10	5676.44			5666.94	5666.84	NO NUMBER
11	5687.90			5678.25	5678.15	
12	5703.10			5693.20	5693.05	964
13	5716.80	5708.65		5707.95	5707.95	972
14	5716.13	5709.28	5709.18			NO NUMBER
15	5718.90	5713.25	5713.15			971
16	5723.00	5716.65			5716.65	873
17	5726.41	5720.41	5720.31	5720.51		875
18	5727.01	5721.01	5720.96	5721.31	5721.01	871
19	5729.39	5723.54	5723.39	5723.49		NO NUMBER
20	5768.75	5757.00		5756.95	5756.75	903
		5761.15				
21	5771.87	5762.25	5761.75	5761.65	5761.55	NO NUMBER
22	5772.86	5767.16	5764.76		5764.86	S902
23	5779.72	5770.12		5770.02	5770.02	S903
24	5794.56	5786.57		5786.57	5786.47	
25	5795.18		5787.18	5787.18	5787.08	

EXISTING STORM DRAIN INLETS	GRATE ELEVATION	INVERT ELEVATION
A	5663.77	5660.77
B	5667.48	5664.48
C	5669.43	5666.43
D	5671.53	5668.53
E	5663.59	5660.59
F	5665.45	5662.45
G	5667.69	5664.69
H	5669.71	5666.71
I	5671.69	5668.96
J	5773.37	5770.37
K	5774.47	5771.43
L	5779.89	5776.89
M	5781.34	5778.34
N	5772.89	5769.89

AS BUILT INFORMATION

CONTRACTOR	J.R. HALE, INC.	
WORK STAKED BY	CONTRACTOR	DATE 1997
INSPECTOR'S ACCEPTANCE BY	C.O.A.	DATE 1997
FIELD VERIFICATION BY	C.O.A.	DATE 1997
DRAWINGS CORRECTED BY	LH INC.	DATE 1/7/98

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

THE STATION IS A STANDARD ACS BRASS TABLET STAMPED "J-J22 1979" SET FLUSH WITH THE GROUND AND LOCATED AT THE NORTHEAST RETURN OF LOMAS BLVD AND CHELWOOD PARK BLVD NE.
ELEV=5664.88 (SLD 1929)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	1/98	CHANGES AS PER RECORD DWG.	LJS

REVISIONS

LEEDSHILL-HERKENHOFF, INC.

DESIGNED BY	RAS/TM/KD	DATE JAN 1997
DRAWN BY	C ROMERO	DATE JAN 1997
CHECKED BY	C DODGE	DATE JAN 1997

REDRAWN FOR RECORD PURPOSES

RECORD DRAWING
JAN 1998
Date

These drawings have been revised based on the construction records of the owner. While the information submitted by the Owner will be assumed to be reliable, the Engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in the record document as a result thereof.

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

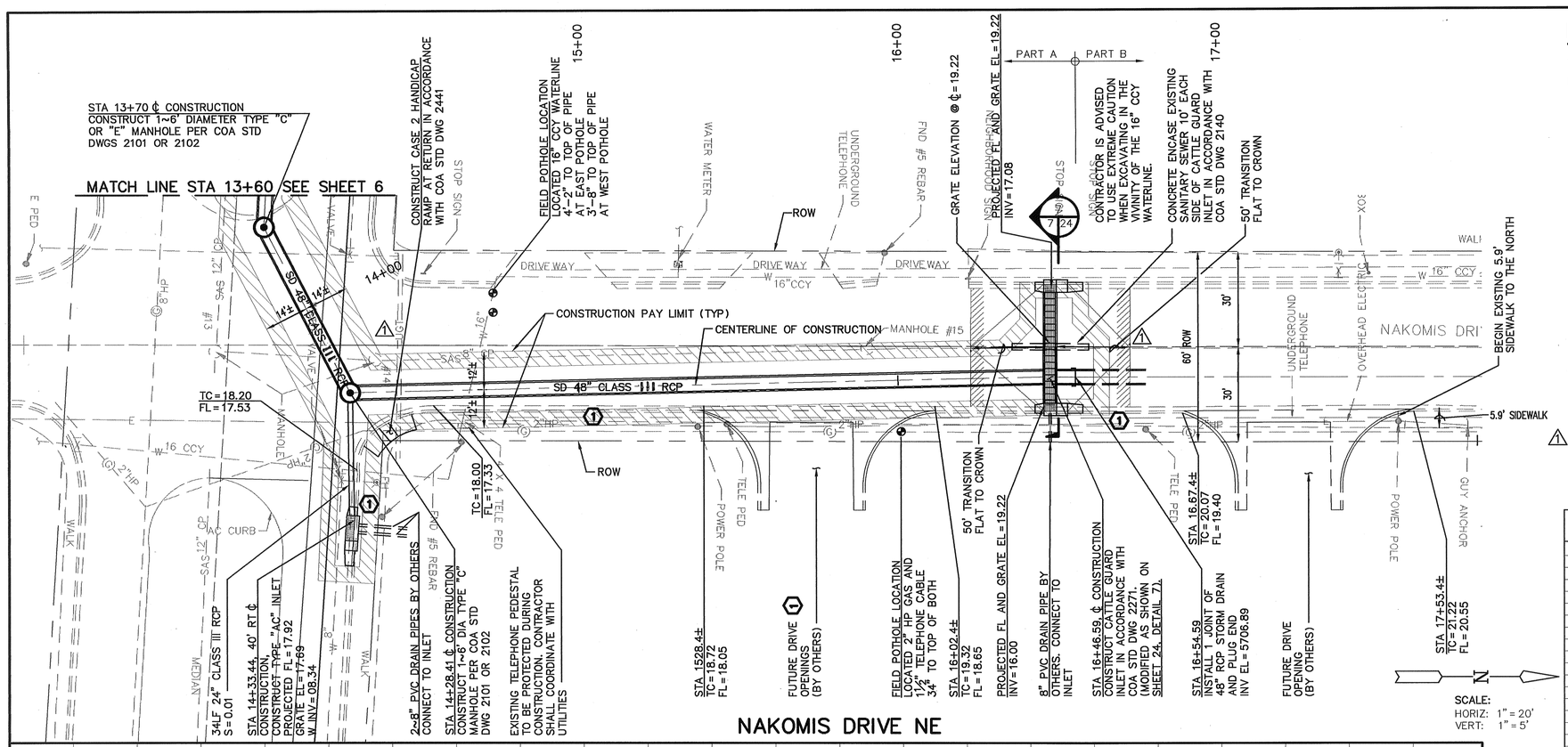
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
NAKOMIS PLAN AND PROFILE
STA 13+60 TO STA 16+54.59

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

City Project No.	Zone Map No.	Sheet	Of
4880-92	J,K-22,23	7A	24

20/94036_31/DWG/C/LOM-NAK1/1-8-98/LJS



NOTES

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10	5676.44			5666.94	5666.84	NO NUMBER
11	5687.90			5678.25	5678.15	
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13	5716.80	5708.65		5707.95	5707.95	972
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18	5727.01	5721.01	5720.96	5721.31	5721.01	871
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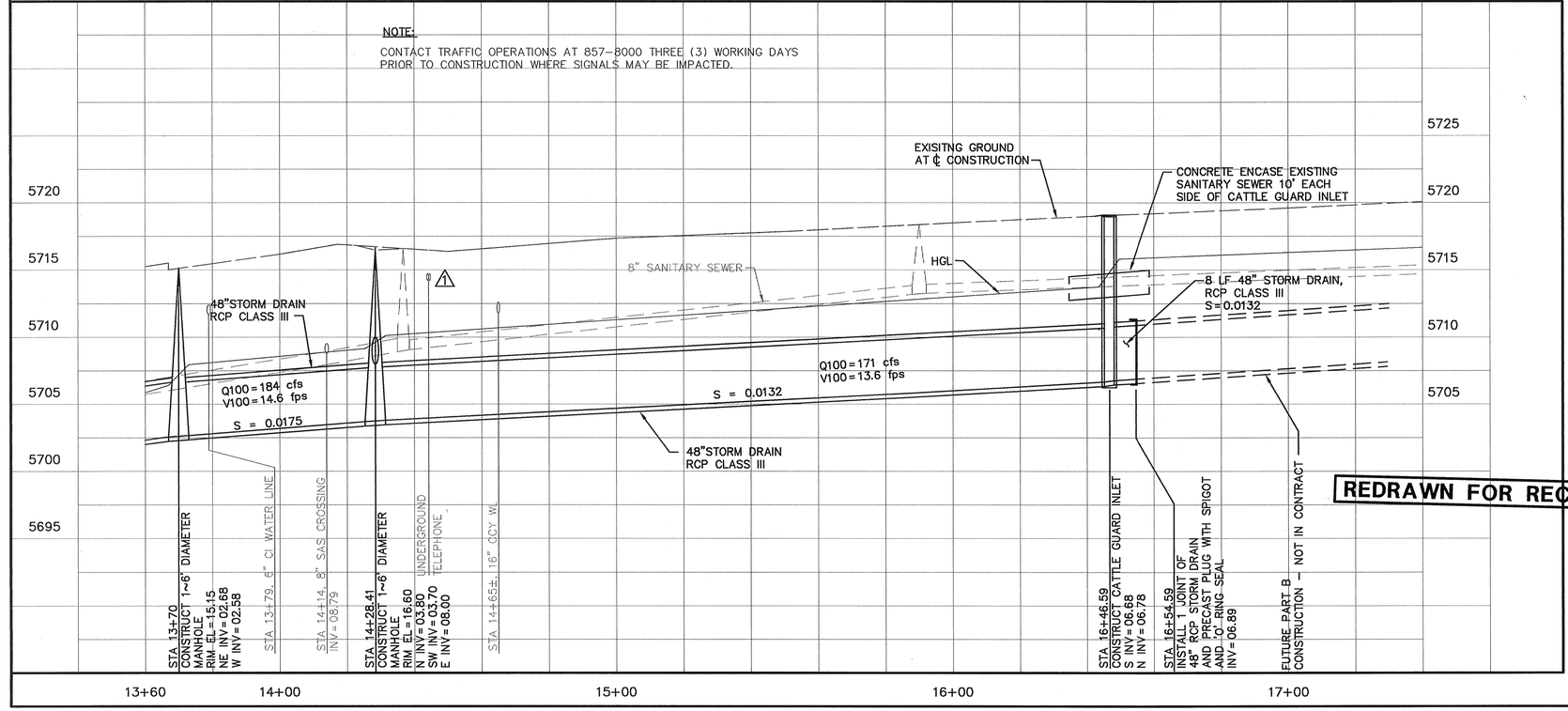


REDRAWN FOR RECORD PURPOSES

RECORD DRAWING
Date FEB 1998
These drawings have been revised based on the construction records of the owner. While the information submitted by the Owner will be assumed to be reliable, the engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in a record document as a result thereof.

AS BUILT INFORMATION
CONTRACTOR / WORK STAKED BY / DATE
INSPECTOR'S ACCEPTANCE BY / DATE
FIELD VERIFICATION BY / DATE
DRAWINGS CORRECTED BY / DATE

MICRO-FILM INFORMATION
RECORDED BY / DATE
NO.

BENCH MARKS
THE STATION IS A STANDARD ACS BRASS TABLET STAMPED "3-J22 1979" SET FLUSH WITH THE GROUND AND LOCATED AT THE NORTHEAST RETURN OF LOMAS BLVD AND CHELWOOD PARK BLVD NE.
ELEV=5684.88 (SLD 1929)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	1/98	CHANGES AS PER RECORD DWG.	LJS

REVISIONS

LEEDSHILL-HERKENHOFF, INC.
DESIGNED BY RAS/TM/KD DATE JAN 1997
DRAWN BY C ROMERO DATE JAN 1997
CHECKED BY C DODGE DATE JAN 1997

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

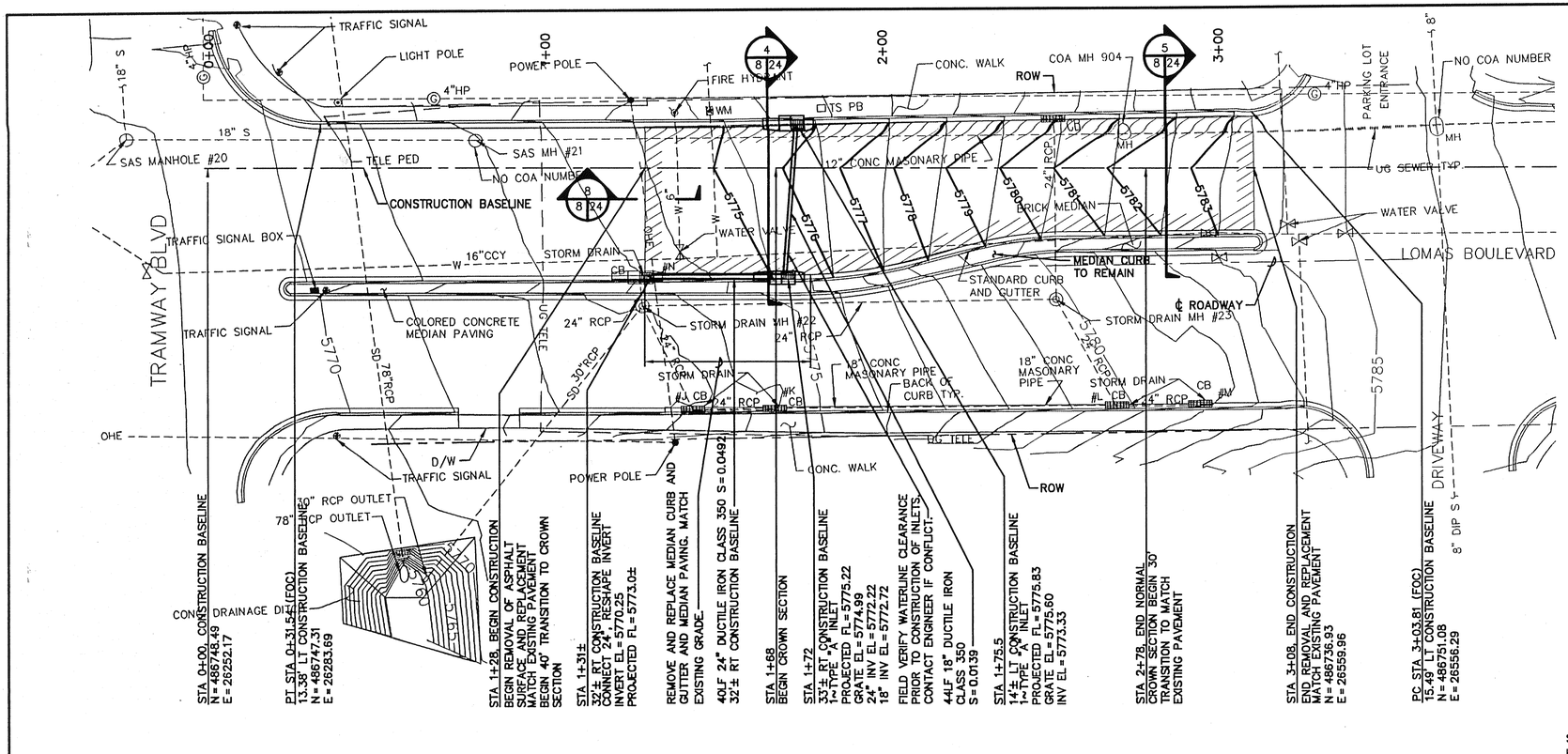
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
NAKOMIS PLAN AND PROFILE
STA 13+60 TO STA 16+54.59

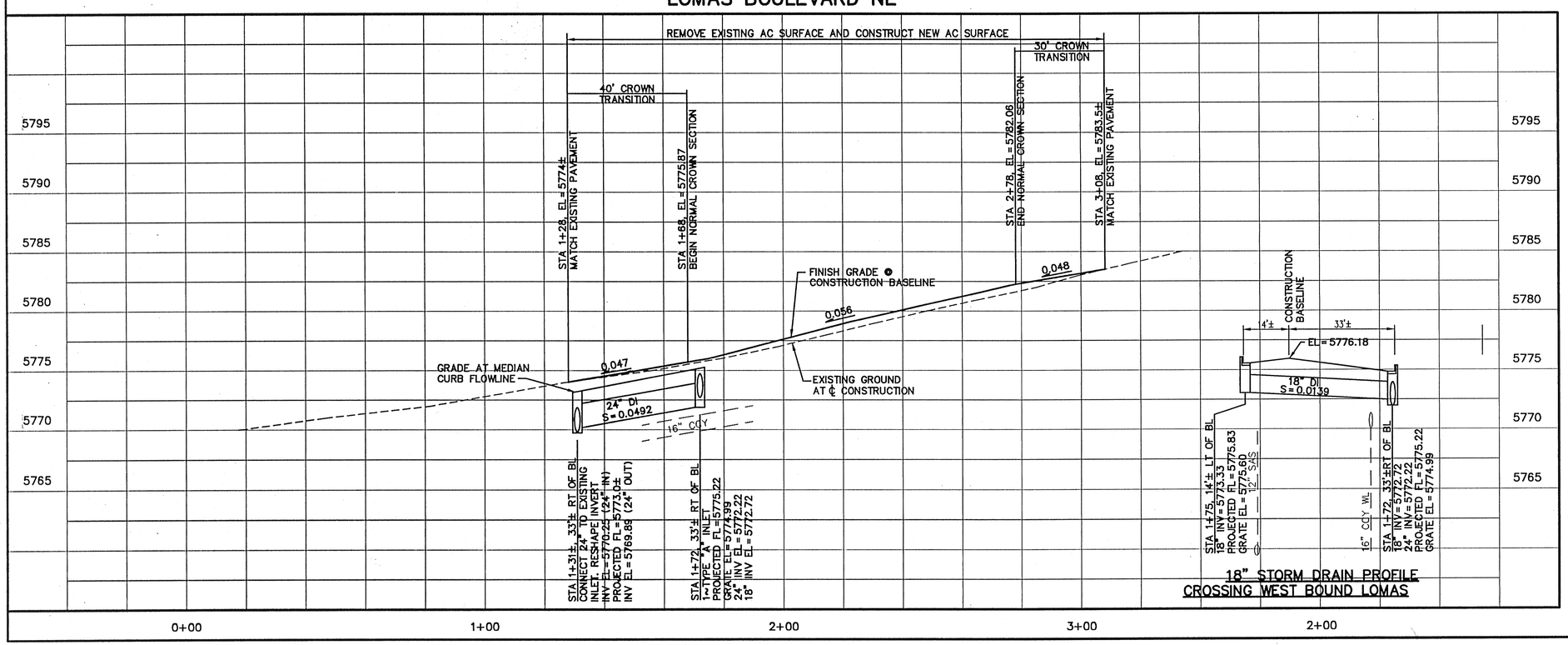
Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 4880-92 | Zone Map No. J,K-22,23 | Sheet 7B Of 24

20/94036_31/DWG/C/LOM-NAK1/2-2-98/LJS



LOMAS BOULEVARD NE



18" STORM DRAIN PROFILE CROSSING WEST BOUND LOMAS

NOTES

A FOR SURVEY CONTROL SEE SHEET 3.

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D FOR PAVEMENT SECTION SEE SHEET 24, DETAIL 3 .

E CURB AND GUTTER WHICH IS REMOVED FOR STORM DRAIN CONSTRUCTION SHALL BE REPLACED WITH MEDIAN CURB AND GUTTER AND/OR STANDARD CURB AND GUTTER TO MATCH EXISTING.

EXISTING MANHOLE DATA

MH	RIM ELEV	NORTH INV 1	SOUTH INV 2	EAST INV 3	WEST INV 4	COA GIS NUMBER
1	5663.14	5654.61	5654.59		5662.72	S942
2	5663.95	5654.75	5654.25		5654.25	NO NUMBER
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16	5723.00	5716.65			5716.65	873
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18	5727.01	5721.01	5720.96	5721.31	5721.01	871
19	5729.39	5723.54	5723.39	5723.49		NO NUMBER
20	5768.75	5757.00		5756.95	5756.75	903
		5761.15				
21	5771.87	5762.25	5761.75	5761.65	5761.55	NO NUMBER
22	5772.86	5767.16	5764.76		5764.86	S902
23	5779.72	5770.12		5770.02	5770.02	S903
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25	5795.18		5787.18	5787.18	5787.08	

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G	5667.69	5664.69
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I	5671.69	5668.96
J	5773.37	5770.37
K	5774.47	5771.43
L	5779.89	5776.89
M	5781.34	5778.34
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RECORD DRAWING
JAN 1998
Date

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AS BUILT INFORMATION
CONTRACTOR J.R.— HALE, INC.
WORK STAMPED BY CONTRACTOR DATE 1997
ACCEPTANCE BY C.O.A. DATE 1997
FIELD VERIFICATION BY C.O.A. DATE 1997
DRAWINGS CORRECTED BY LH INC. DATE 1/7/98
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STATION IS A STANDARD ACS BRASS TABLET STAMPED "J-22 1979" SET FLUSH WITH THE GROUND AND LOCATED AT THE NORTHEAST RETURN OF LOMAS BLVD AND CHELWOOD PARK BLVD NE.
ELEV = 5664.88 (SLD 1929)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
STEVEN M. WELLS
NEW MEXICO
6119
REGISTERED PROFESSIONAL ENGINEER
5-8-97

NO.	DATE	REMARKS	BY
		REVISIONS	

LEEDSHILL—HERKENHOFF, INC.
DESIGNED BY RAS/TM/KD DATE JAN 1997
DRAWN BY C. ROMERO DATE JAN 1997
CHECKED BY C DODGE DATE JAN 1997

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
LOMAS/TRAMWAY PLAN AND PROFILE
STA 1+28 TO STA 3+08

Design Review Committee: APPROVED JUN 19 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUN 19 1997 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 4880.92 | Zone Map No. K-22,23 | Sheet 8 Of 24

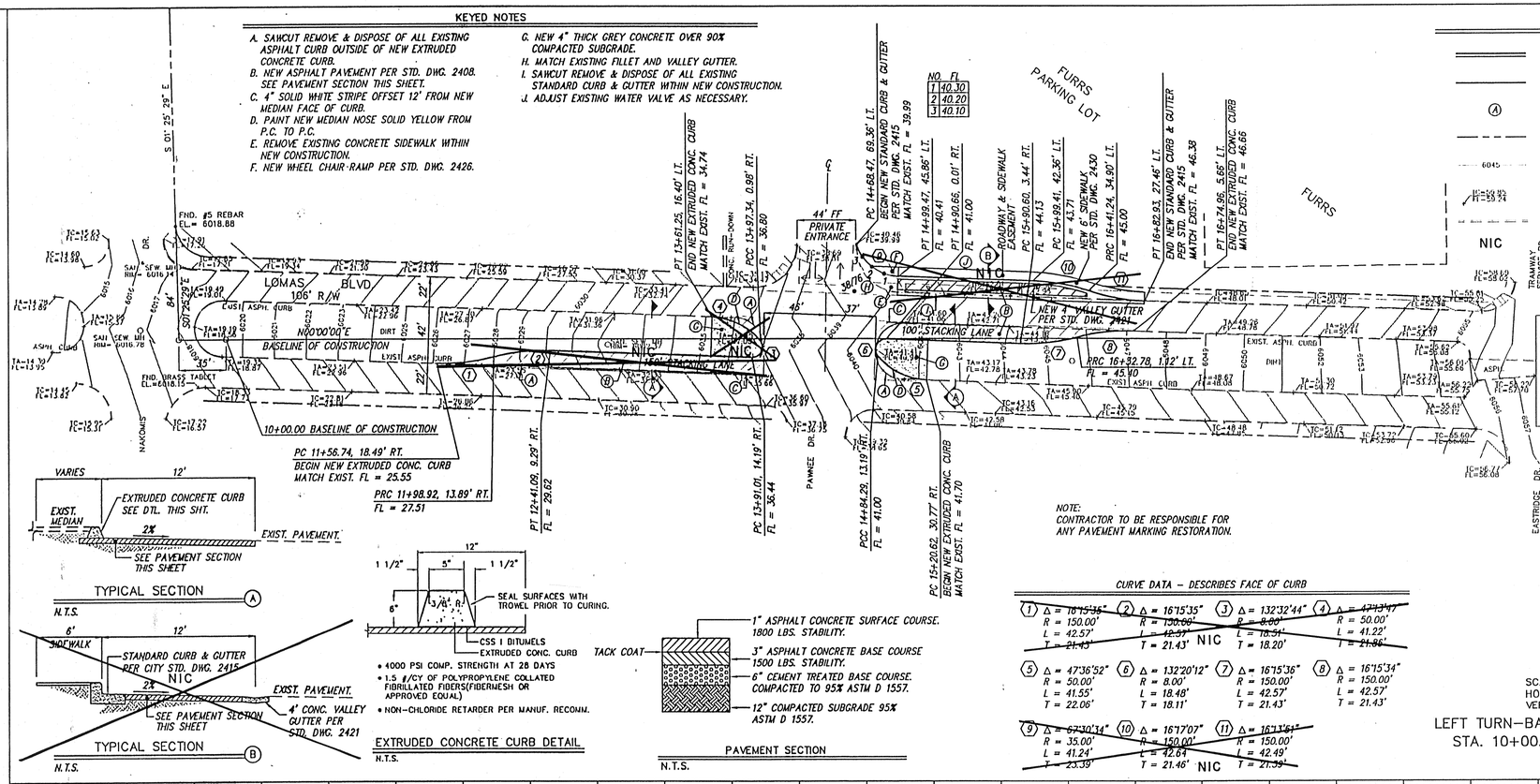
1/94036.31/DWG/C/TRAMWAY/6-5-97/MDJ

KEYED NOTES

A. SAWCUT REMOVE & DISPOSE OF ALL EXISTING ASPHALT CURB OUTSIDE OF NEW EXTRUDED CONCRETE CURB.
B. NEW ASPHALT PAVEMENT PER STD. DWG. 2408. SEE PAVEMENT SECTION THIS SHEET.
C. 4" SOLID WHITE STRIPE OFFSET 12" FROM NEW MEDIAN FACE OF CURB.
D. PAINT NEW MEDIAN NOSE SOLID YELLOW FROM P.C. TO P.C.
E. REMOVE EXISTING CONCRETE SIDEWALK WITHIN NEW CONSTRUCTION.
F. NEW WHEEL CHAIR-RAMP PER STD. DWG. 2426.
G. NEW 4" THICK GREY CONCRETE OVER 90% COMPACTED SUBGRADE.
H. MATCH EXISTING FILLET AND VALLEY GUTTER.
I. SAWCUT REMOVE & DISPOSE OF ALL EXISTING STANDARD CURB & GUTTER WITHIN NEW CONSTRUCTION.
J. ADJUST EXISTING WATER VALVE AS NECESSARY.

LEGEND

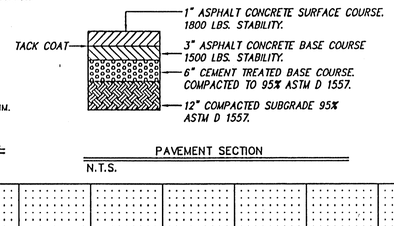
- NEW STANDARD CURB & GUTTER
- NEW EXTRUDED CONC. CURB
- (A) KEYED NOTES DESIGNATER
- PROPERTY LINE
- 6045 EXIST. CONTOUR
- TC=59.93 FL=59.24 EXIST. SPOT ELEVATION
- EXIST. CURB
- NIC NOT IN CONTRACT



NOTE:
CONTRACTOR TO BE RESPONSIBLE FOR ANY PAVEMENT MARKING RESTORATION.

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.

EXTRUDED CONCRETE CURB DETAIL
N.T.S.



PAVEMENT SECTION
N.T.S.

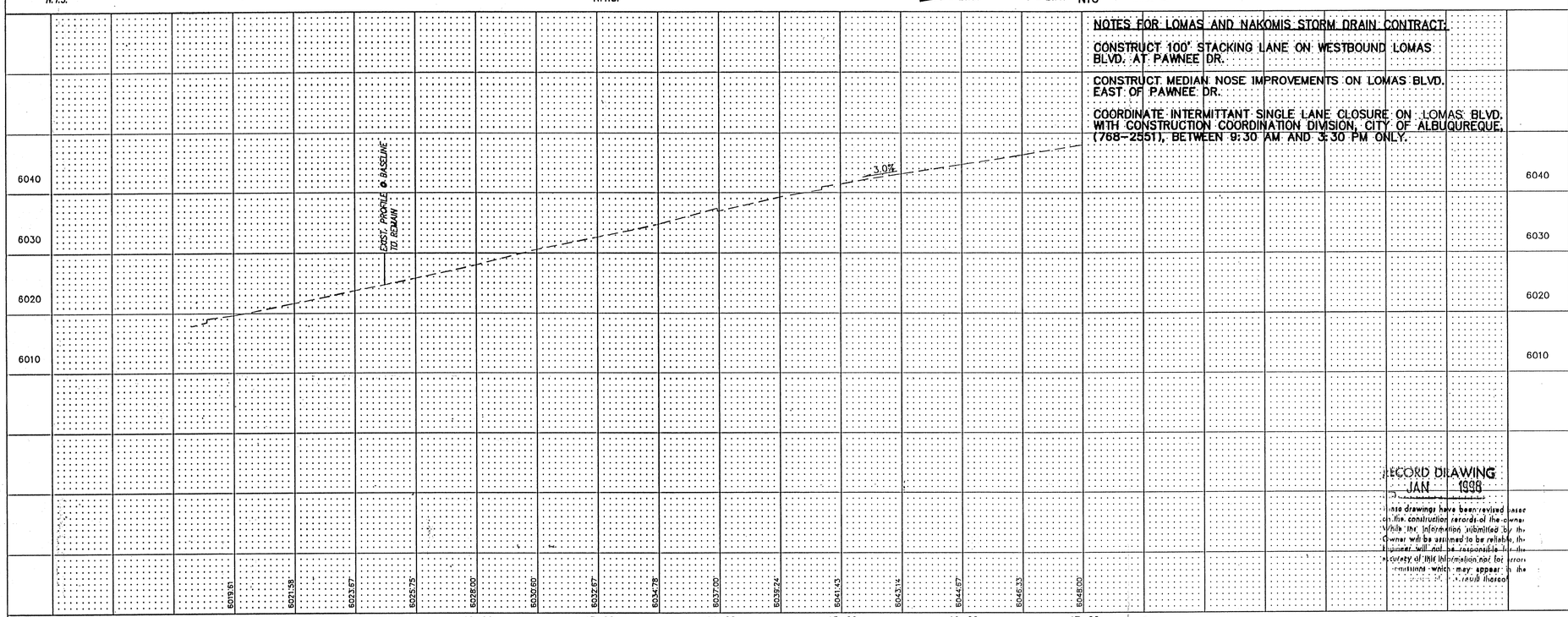
CURVE DATA – DESCRIBES FACE OF CURB

(1) Δ = 16°15'36" R = 150.00' L = 42.57' T = 21.43'	(2) Δ = 16°15'35" R = 150.00' L = 42.57' T = 21.43' NIC	(3) Δ = 13°32'44" R = 9.00' L = 18.51' T = 18.20'	(4) Δ = 47°13'47" R = 50.00' L = 41.22' T = 21.86'
(5) Δ = 47°36'52" R = 50.00' L = 41.55' T = 22.06'	(6) Δ = 13°20'12" R = 8.00' L = 18.48' T = 18.11'	(7) Δ = 16°15'36" R = 150.00' L = 42.57' T = 21.43'	(8) Δ = 16°15'34" R = 150.00' L = 42.57' T = 21.43'
(9) Δ = 67°30'34" R = 35.00' L = 41.24' T = 23.39'	(10) Δ = 16°17'07" R = 150.00' L = 42.64' T = 21.46' NIC	(11) Δ = 16°13'61" R = 150.00' L = 42.49' T = 21.39'	

N

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

LEFT TURN–BAY & RIGHT DECEL LANE
STA. 10+00.00 TO STA. 16+82.93



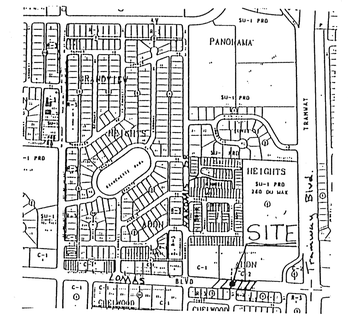
NOTES FOR LOMAS AND NAKOMIS STORM DRAIN CONTRACT:

CONSTRUCT 100' STACKING LANE ON WESTBOUND LOMAS BLVD. AT PAWNEE DR.

CONSTRUCT MEDIAN NOSE IMPROVEMENTS ON LOMAS BLVD. EAST OF PAWNEE DR.

COORDINATE INTERMITTANT SINGLE LANE CLOSURE ON LOMAS BLVD. WITH CONSTRUCTION COORDINATION DIVISION, CITY OF ALBUQUEREQUE, (768-2551), BETWEEN 9:30 AM AND 3:30 PM ONLY.

RECORD DRAWING
JAN 1998
These drawings have been revised based on the construction records of the owner. While the information submitted by the Owner will be assumed to be reliable, the Engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in the records thereof.



VICINITY MAP — ZONE ATLAS J-22-Z
SCALE: NONE

GENERAL NOTES

NOTICE TO CONTRACTORS

1. CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE 6, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) AND DETERMINE LOCATION OF EXISTING UTILITIES.
3. 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.
4. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
5. 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.
6. THREE (3) 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.
7. 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.
- [x] 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.
- [x] THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL EXISTING CURB AND GUTTER, SIDEWALK OR DRIVEPAD DAMAGE CAUSED BY NEW CONSTRUCTION.

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P. O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 345-2010

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: FURRS – LOMAS BLVD. & TRAMWAY BLVD. OFFSITE TURN LANE IMPROVEMENTS

AS BUILT INFORMATION

CONTRACTOR	J.R. HALE, INC.	
WORK STAKED BY	CONTRACTOR	DATE1997
INSPECTOR'S ACCEPTANCE BY	C.O.A.	DATE1997
FIELD VERIFICATION BY	C.O.A.	DATE1997
DRAWINGS CORRECTED BY	LH INC.	DATE7/98

MICRO-FILM INFORMATION

RECORDED BY	
DATE	
NO.	

BENCH MARKS

STATION IS A STANDARD ACS BRASS TABLET STAMPED "MNDY-1978"
X = 429398.37
Y = 1480402.20
Z = 5814.68

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

APPROVED CITY ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY	DBC	DATE 04/96
DRAWN BY	DBC	DATE 04/96
CHECKED BY	DMG	DATE 04/96

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE: D. MARK GOODWIN, NEW MEXICO, 8948, REGISTERED PROFESSIONAL ENGINEER — 4/24/96

APPROVALS	ENGINEER	DATE
DRC CHAIRMAN		5-7-96
TRANSPORTATION		4-24-96
WATER/WASTEWATER		4-24-96
HYDROLOGY		4-30-96
PARKS		
CONSTR. MNGMT.		

APPROVED FOR CONSTRUCTION
CITY ENGINEER — DATE 5/9/96

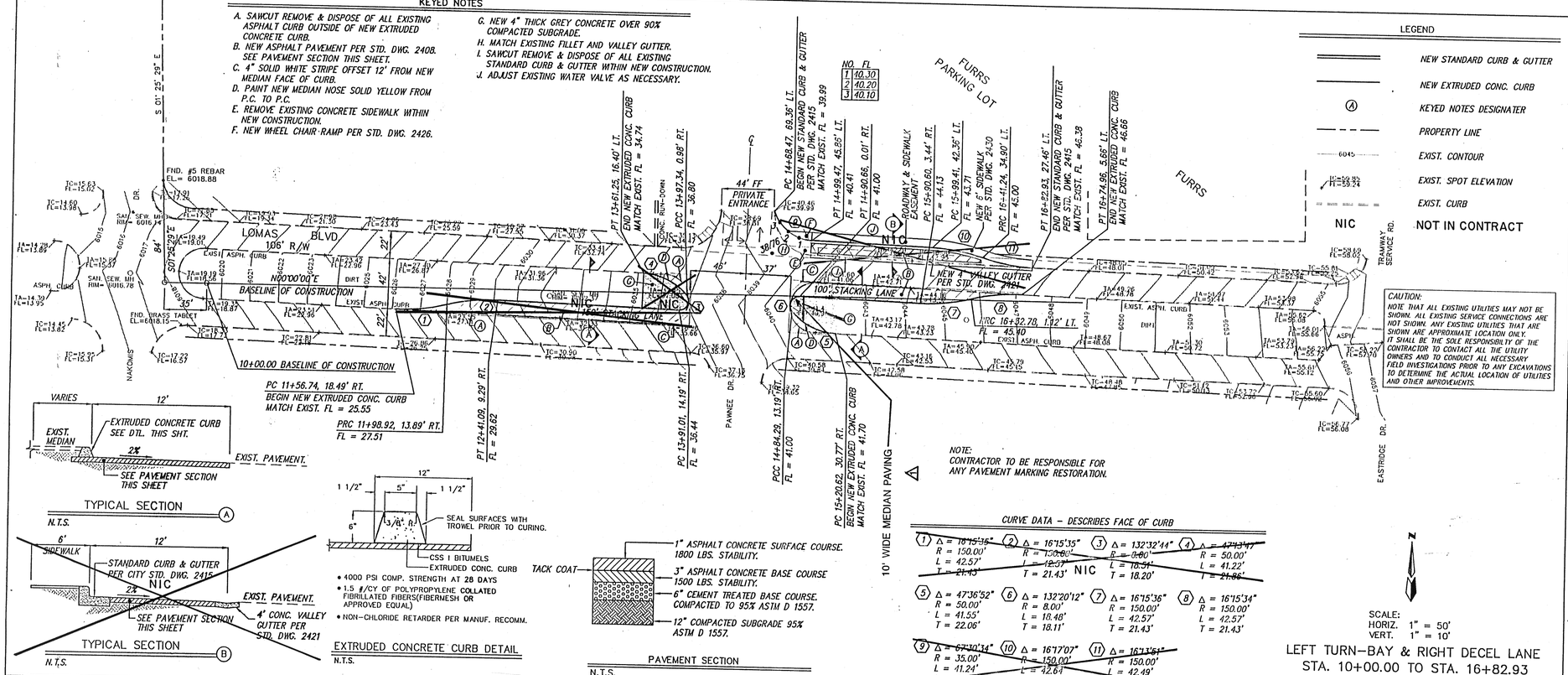
CITY PROJECT NO. 4880.92 ~~5392~~

SHEET 9 OF 24

FURS\TURNPP50

KEYED NOTES

A. SAWCUT REMOVE & DISPOSE OF ALL EXISTING ASPHALT CURB OUTSIDE OF NEW EXTRUDED CONCRETE CURB.
B. NEW ASPHALT PAVEMENT PER STD. DWG. 2408. SEE PAVEMENT SECTION THIS SHEET.
C. 4" SOLID WHITE STRIPE OFFSET 12' FROM NEW MEDIAN FACE OF CURB.
D. PAINT NEW MEDIAN NOSE SOLID YELLOW FROM P.C. TO P.C.
E. REMOVE EXISTING CONCRETE SIDEWALK WITHIN NEW CONSTRUCTION.
F. NEW WHEEL CHAIR RAMP PER STD. DWG. 2426.
G. NEW 4" THICK GREY CONCRETE OVER 90% COMPACTED SUBGRADE.
H. MATCH EXISTING FILLET AND VALLEY GUTTER.
I. SAWCUT REMOVE & DISPOSE OF ALL EXISTING STANDARD CURB & GUTTER WITHIN NEW CONSTRUCTION.
J. ADJUST EXISTING WATER VALVE AS NECESSARY.



NO.	FL
1	40.30
2	40.20
3	40.10

LEGEND

- NEW STANDARD CURB & GUTTER
- NEW EXTRUDED CONC. CURB
- (A) KEYED NOTES DESIGNATER
- PROPERTY LINE
- 6045 EXIST. CONTOUR
- IC=59.93 FL=59.24 EXIST. SPOT ELEVATION
- EXIST. CURB
- NIC NOT IN CONTRACT

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.

TYPICAL SECTION (A)
N.T.S.

TYPICAL SECTION (B)
N.T.S.

- 4000 PSI COMP. STRENGTH AT 28 DAYS
- 1.5 #/CY OF POLYPROPYLENE COLLATED FIBRILLATED FIBERS(FIBERMESH OR APPROVED EQUAL)
- NON-CHLORIDE RETARDER PER MANUF. RECOMM.

EXTRUDED CONCRETE CURB DETAIL
N.T.S.

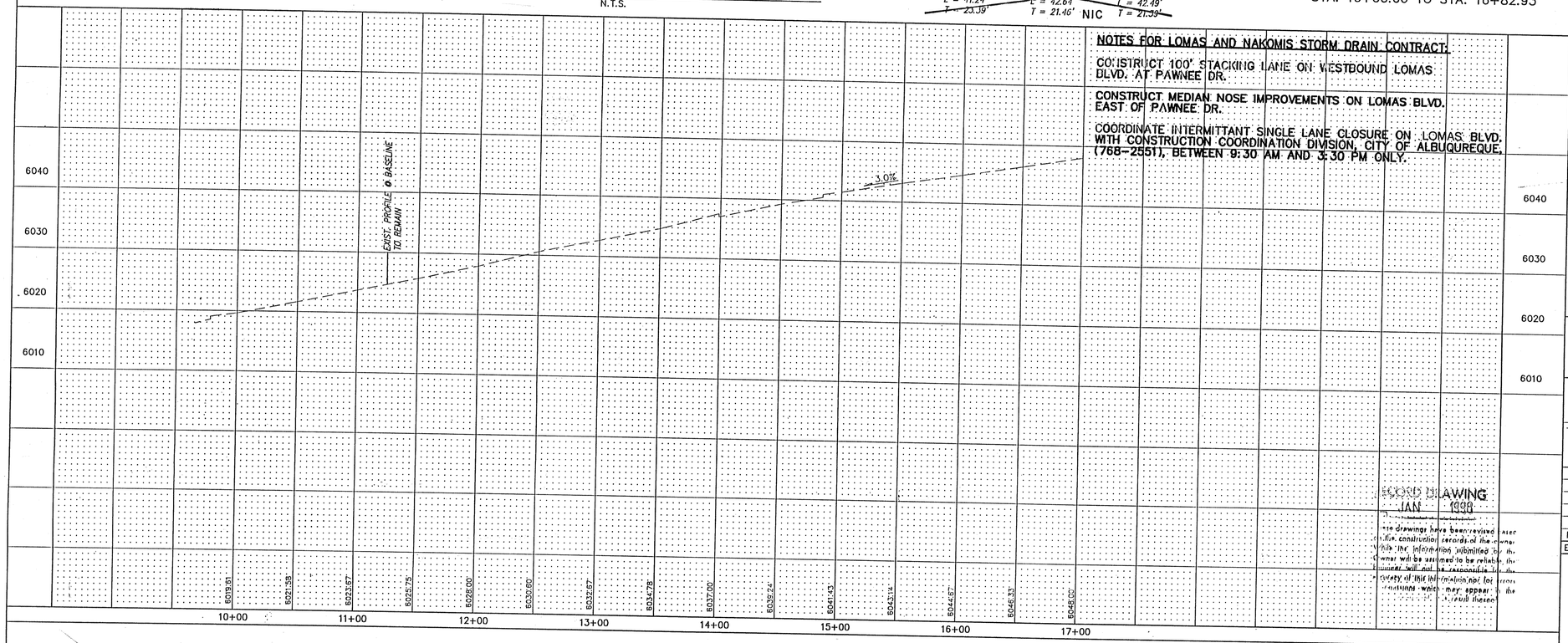
PAVEMENT SECTION
N.T.S.

CURVE DATA – DESCRIBES FACE OF CURB

(1) Δ = 16°15'36" R = 150.00' L = 42.57' T = 21.43'
(2) Δ = 16°15'35" R = 150.00' L = 42.57' T = 21.43' NIC
(3) Δ = 132°32'44" R = 8.00' L = 18.51' T = 18.20'
(4) Δ = 47°31'47" R = 50.00' L = 41.22' T = 21.86'
(5) Δ = 47°36'52" R = 50.00' L = 41.55' T = 22.06'
(6) Δ = 132°20'12" R = 8.00' L = 18.48' T = 18.11'
(7) Δ = 16°15'36" R = 150.00' L = 42.57' T = 21.43'
(8) Δ = 16°15'34" R = 150.00' L = 42.57' T = 21.43'
(9) Δ = 67°30'34" R = 35.00' L = 41.24' T = 23.39'
(10) Δ = 16°17'07" R = 150.00' L = 42.64' T = 21.46' NIC
(11) Δ = 16°13'51" R = 150.00' L = 42.49' T = 21.39'

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

LEFT TURN–BAY & RIGHT DECEL LANE
STA. 10+00.00 TO STA. 16+82.93



NOTES FOR LOMAS AND NAKOMIS STORM DRAIN CONTRACT:

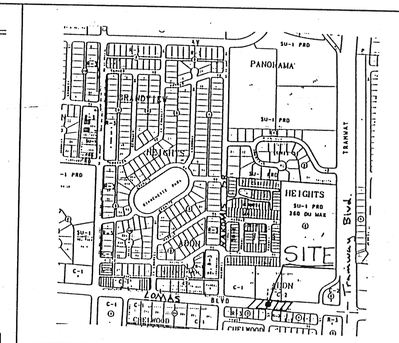
CONSTRUCT 100' STACKING LANE ON WESTBOUND LOMAS BLVD. AT PAWNEE DR.

CONSTRUCT MEDIAN NOSE IMPROVEMENTS ON LOMAS BLVD. EAST OF PAWNEE DR.

COORDINATE INTERMITTANT SINGLE LANE CLOSURE ON LOMAS BLVD. WITH CONSTRUCTION COORDINATION DIVISION, CITY OF ALBUQUEREQUE, (768–2551), BETWEEN 9:30 AM AND 3:30 PM ONLY.

RECORD DRAWING
JAN 1998
These drawings have been revised based on the construction records of the owner. While the information submitted by the owner will be assumed to be reliable, the engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in the drawings resulting therefrom.

FURS\TURNPP50



VICINITY MAP — ZONE ATLAS J–22–Z
SCALE: NONE

GENERAL NOTES

NOTICE TO CONTRACTORS

1. CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE 6, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
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4. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE–SET BY THE CONTRACTOR.
5. 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.
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THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- [ ] ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- [x] 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.
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dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P. O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 345–2010

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: FURRS – LOMAS BLVD. & TRAMWAY BLVD.
OFFSITE TURN LANE IMPROVEMENTS

AS BUILT INFORMATION

CONTRACTOR	J.R. HALE, INC.	
WORK STAKED BY	CONTRACTOR	DATE 1997
INSPECTOR'S ACCEPTANCE BY	C.O.A.	DATE 1997
FIELD VERIFICATION BY	C.O.A.	DATE 1997
DRAWINGS CORRECTED BY	LH INC.	DATE 7/7/98

MICRO–FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS
STATION IS A STANDARD ACS BRASS TABLET STAMPED "MN01–1978"
X = 423368.37
Y = 1480402.20
Z = 5814.69

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
APPROVED JUN 16 1997 CITY ENGINEER

NO.	DATE	REMARKS	BY
1	1/98	CHANGES AS PER RECORD DWG	TJM

REVISIONS

DESIGNED BY	DBC	DATE 04/96
DRAWN BY	DBC	DATE 04/96
CHECKED BY	DMG	DATE 04/96

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

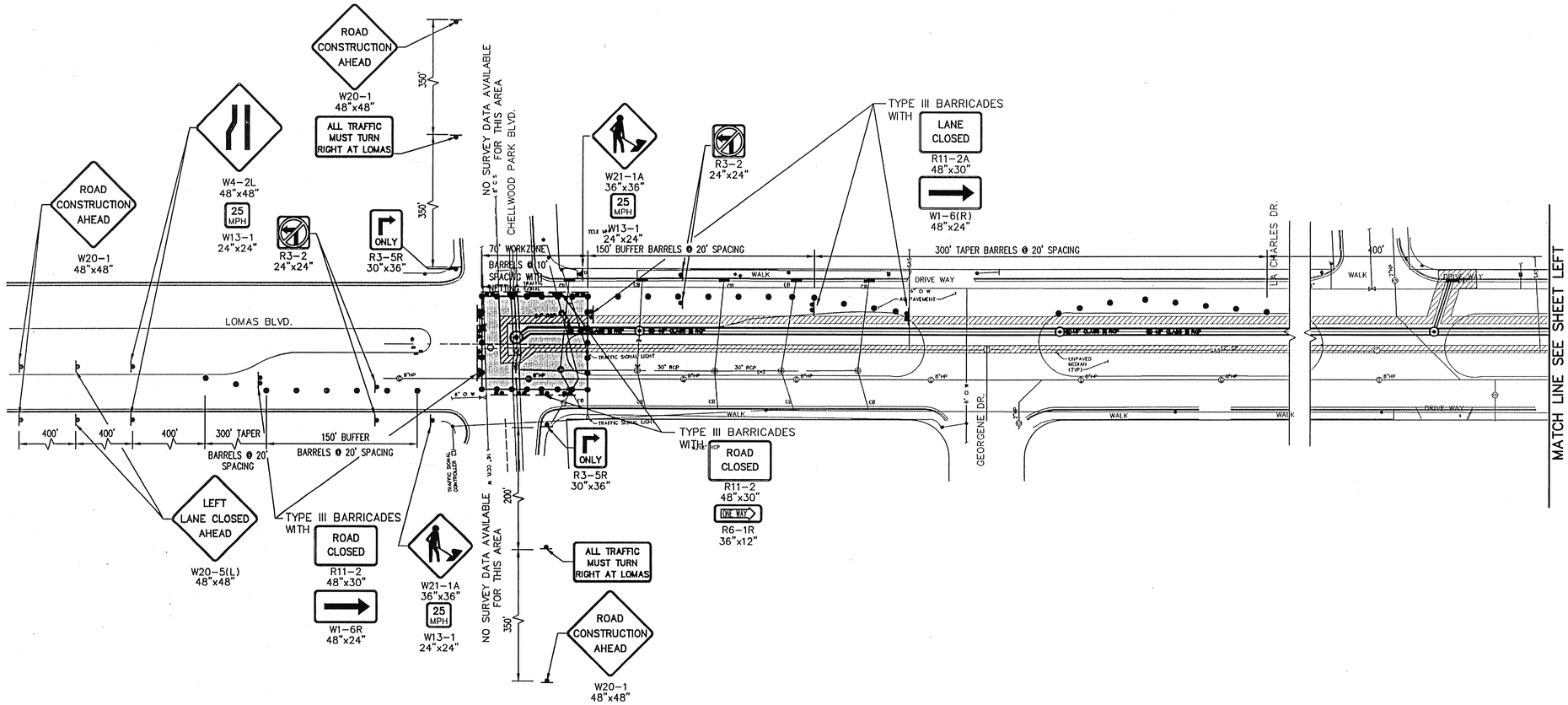
ENGINEERS STAMP & SIGNATURE: D. MARK GOODWIN, NEW MEXICO, 8948, REGISTERED PROFESSIONAL ENGINEER — 4/22/96

APPROVALS	ENGINEER	DATE
DRC CHAIRMAN		5-7-96
TRANSPORTATION		4-24-96
WATER/WASTEWATER		4-24-96
HYDROLOGY		
PARKS		4-30-96
CONSTR. MNGMT.		

APPROVED FOR CONSTRUCTION
CITY ENGINEER — DATE 5/9/96

CITY PROJECT NO. 4880.92 ~~5392~~

SHEET 9A OF 24



NOTES

A BASED ON 11' LANE CLOSURE WITH POSTED SPEED LIMIT OF 40 MPH ON LOMAS BOULEVARD; 35 MPH POSTED SPEED LIMIT ON CHELWOOD PARK BOULEVARD.

B MAINTAIN 12' CLEARANCE FOR OPEN DRIVING LANE.

C CONTACT CITY OF ALBUQUERQUE TRAFFIC OPERATIONS BEFORE DISTURBING SIGNALS.

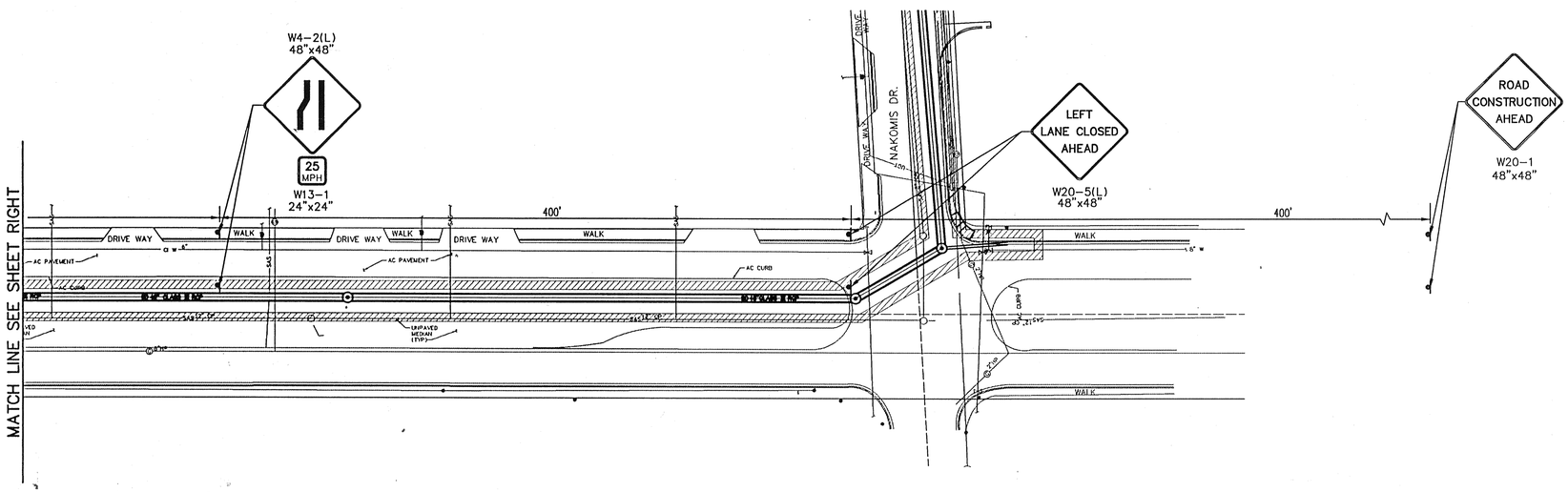
TRAFFIC LEGEND

	WORK ZONE OR COMBINED WORK AND BUFFER ZONE (SEE PLAN)
o	BARRICADE TYPE I, TYPE II, OR BARREL
R11-2	BARRICADE, TYPE III AND SIGN TYPE
×	VERTICAL PANEL
W6-3	TRAFFIC SIGN AND SIGN TYPE
	DOUBLE INDICATING SIGNS AND SIGN TYPE

TRAFFIC CONTROL PHASES

(REFER TO CONTRACT DOCUMENTS)

PART A	
PHASE I	LOMAS BLVD WEST OF TRAMWAY
PHASE II	LOMAS BLVD EAST OF TRAMWAY
PHASE III	NAKOMIS DR
PART B	FUTURE



0 20' 40' 80' 120'
1" = 40'

RECORD DRAWING
Date JAN 1998
These drawings have been revised based on the construction records of the owner. While the information submitted by the Owner will be assumed to be reliable, the Engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in the drawings as a result thereof.

LEFT LANE CLOSURE – LOMAS BOULEVARD AT CHELWOOD PARK BOULEVARD

AS BUILT INFORMATION

	DATE
CONTRACTOR	
STAKED BY	
INSPECTOR'S ACCEPTANCE BY	
FIELD VERIFICATION BY	
DRAWINGS CORRECTED BY	

MICRO-FILM INFORMATION

	DATE
RECORDED BY	
NO.	

BENCH MARKS

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

LEEDSHILL–HERKENHOFF, INC.

		DATE
DESIGNED BY	T MARTINI	JAN 1997
DRAWN BY	M JENSEN	JAN 1997
CHECKED BY	C DODGE	JAN 1997

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
LOMAS AND NAKOMIS STORM DRAIN
PHASE I TRAFFIC CONTROL PLAN

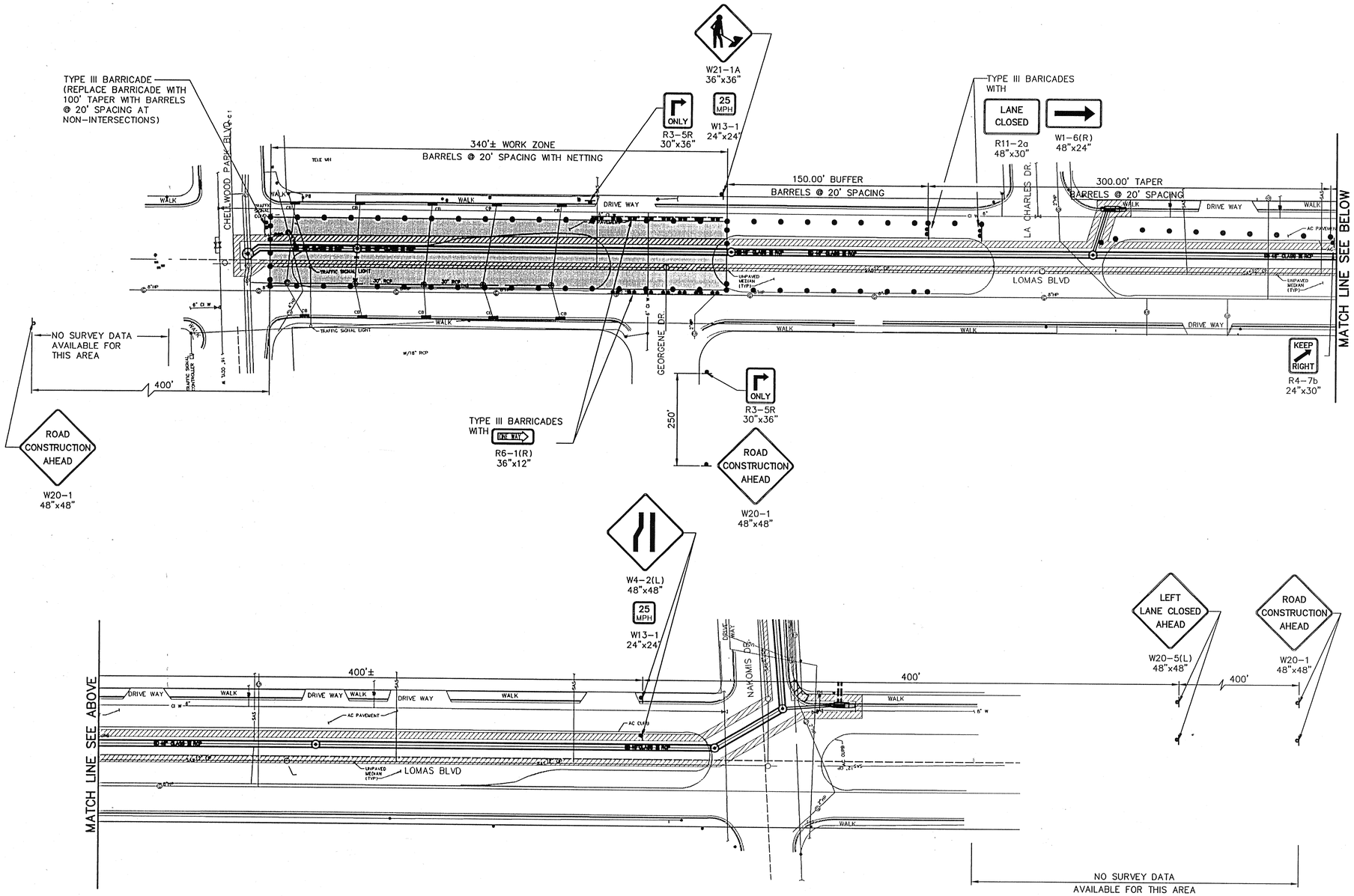
Design Review Committee: APPROVED JUN 19 1997 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED JUN 19 1997 CITY ENGINEER

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 4880.92 | Zone Map No. – | Sheet 10 Of 24

1/94036_16/TRAFCON5/5-12-97/BGC



NOTES

A DESIGN BASED ON 11' LANE CLOSURE WITH POSTED SPEED LIMIT OF 40 MPH ON LOMAS BLVD.

B MAINTAIN 12' MINIMUM CLEARANCE FOR OPEN DRIVING LANE.

TRAFFIC LEGEND

- WORK ZONE OR COMBINED WORK AND BUFFER ZONE
- BARRICADE TYPE I, TYPE II, OR BARREL
- BARRICADE, TYPE III
- VERTICAL PANEL
- TRAFFIC SIGN
- DOUBLE FACING SIGNS

N

0 20' 40' 80' 120'
1" = 40'

TYPICAL LEFT LANE CLOSURE–LOMAS BOULEVARD

RECORD DRAWING
Date JAN 1998

These drawings have been revised based on the construction records of the owner. While the information submitted by the Owner will be assumed to be reliable, the Engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in the [illegible] drawings.

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
CLAYTON E. DODGE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 6410

NO.	DATE	REMARKS	BY

REVISIONS

LEEDSHILL–HERKENHOFF, INC.
DESIGNED BY T MARTINI DATE OCT 96
DRAWN BY M JENSEN DATE OCT 96
CHECKED BY C DODGE DATE OCT 96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
LOMAS AND NAKOMIS STORM DRAIN
PHASE I TRAFFIC CONTROL PLAN

Design Review Committee: APPROVED JUN 19 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUN 19 1997 CITY ENGINEER
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No. 4880.92 | Zone Map No. — | Sheet 11 Of 24

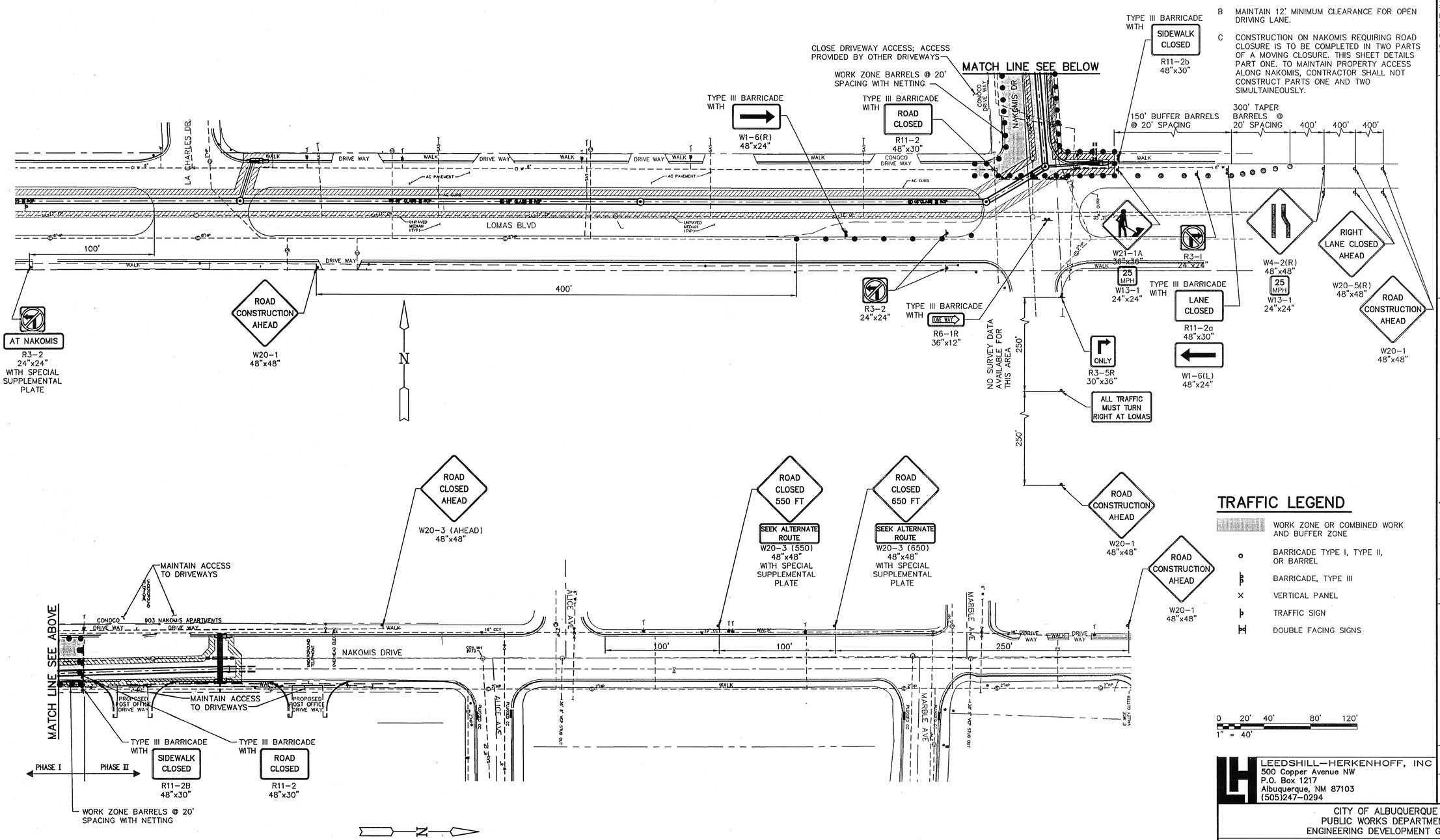
1/94036_16/C/TRAFCON1/5-12-97/BGC

NOTES

A BASED ON 11' LANE CLOSURE WITH POSTED SPEED LIMIT OF 40 MPH ON LOMAS BLVD; 25 MPH POSTED SPEED LIMIT ON NAKOMIS DRIVE.

B MAINTAIN 12' MINIMUM CLEARANCE FOR OPEN DRIVING LANE.

C CONSTRUCTION ON NAKOMIS REQUIRING ROAD CLOSURE IS TO BE COMPLETED IN TWO PARTS OF A MOVING CLOSURE. THIS SHEET DETAILS PART ONE. TO MAINTAIN PROPERTY ACCESS ALONG NAKOMIS, CONTRACTOR SHALL NOT CONSTRUCT PARTS ONE AND TWO SIMULTAINEOUSLY.



TRAFFIC LEGEND

- WORK ZONE OR COMBINED WORK AND BUFFER ZONE
- BARRICADE TYPE I, TYPE II, OR BARREL
- BARRICADE, TYPE III
- VERTICAL PANEL
- TRAFFIC SIGN
- DOUBLE FACING SIGNS

0 20' 40' 80' 120'
1" = 40'

RIGHT LANE CLOSURE – LOMAS BOULEVARD AND PART ONE OF MOVING ROAD CLOSURE – NAKOMIS DRIVE

RECORD DRAWING
Date JAN 1998
These drawings have been revised based on the construction records of the owner. While the information submitted by the Owner will be assumed to be reliable, the engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear on the record document as a result thereof.

AS BUILT INFORMATION
CONTRACTOR DATE
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

LEEDSHILL-HERKENHOFF, INC. DATE OCT 96
DESIGNED BY T MARTINI DATE OCT 96
DRAWN BY M JENSEN DATE OCT 96
CHECKED BY C DODGE DATE OCT 96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
LOMAS AND NAKOMIS STORM DRAIN
PHASE I TRAFFIC CONTROL PLAN

Design Review Committee: APPROVED JUN 19 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUN 19 1997 CITY ENGINEER
Last Design Update: Mo./Day/Yr. Mo./Day/Yr.

City Project No. 4880.92 Zone Map No. – Sheet 12 Of 24

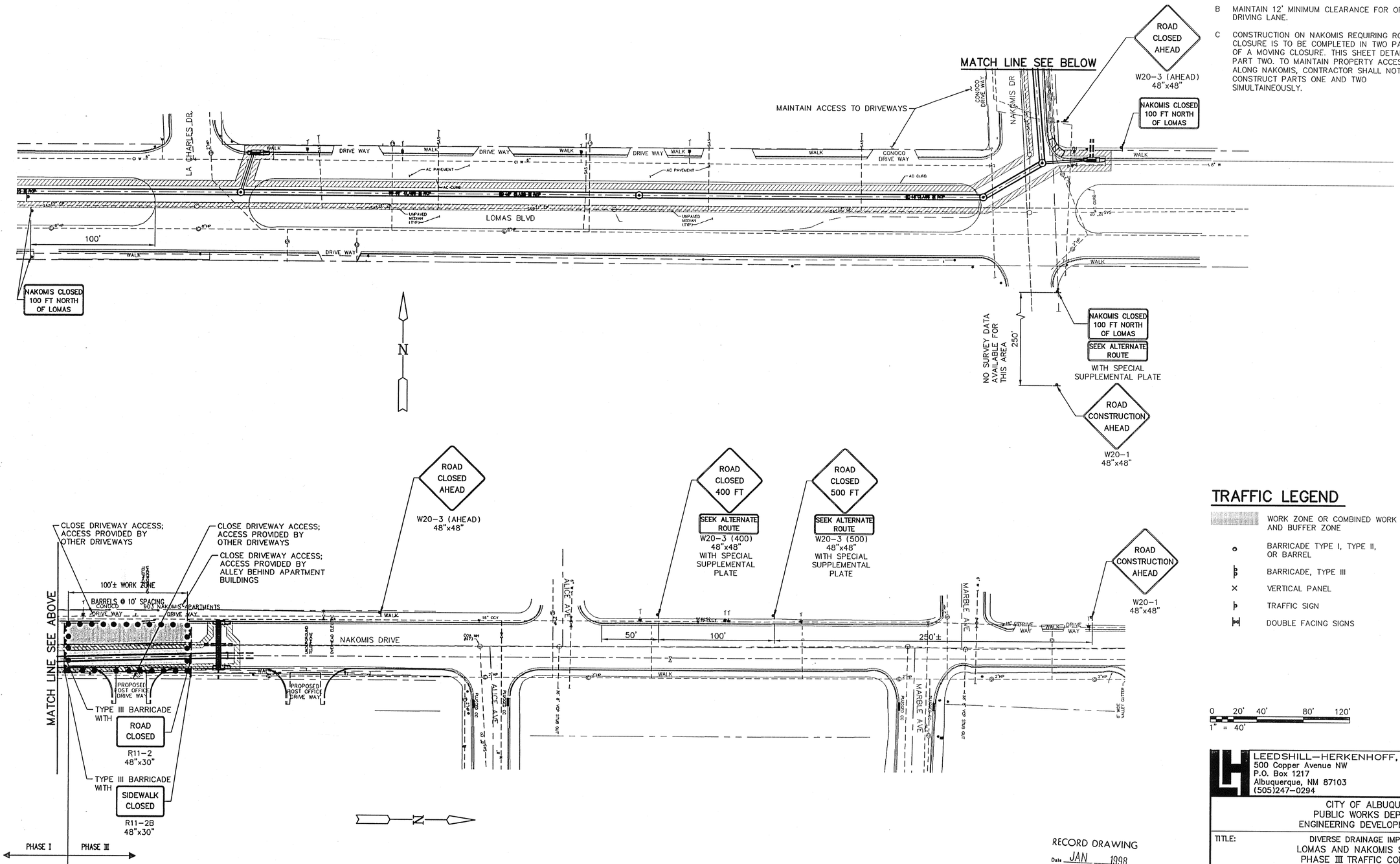
I/P: \94036_16\DWG\C\TRAFCON4/5-12-97/BGC

NOTES

A BASED ON 11' LANE CLOSURE WITH POSTED SPEED LIMIT OF 40 MPH ON LOMAS BLVD; 25 MPH POSTED SPEED LIMIT ON NAKOMIS DRIVE.

B MAINTAIN 12' MINIMUM CLEARANCE FOR OPEN DRIVING LANE.

C CONSTRUCTION ON NAKOMIS REQUIRING ROAD CLOSURE IS TO BE COMPLETED IN TWO PARTS OF A MOVING CLOSURE. THIS SHEET DETAILS PART TWO. TO MAINTAIN PROPERTY ACCESS ALONG NAKOMIS, CONTRACTOR SHALL NOT CONSTRUCT PARTS ONE AND TWO SIMULTAINEOUSLY.



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- BARRICADE TYPE I, TYPE II, OR BARREL
- BARRICADE, TYPE III
- VERTICAL PANEL
- TRAFFIC SIGN
- DOUBLE FACING SIGNS

0 20' 40' 80' 120'
1" = 40'

RECORD DRAWING
Date JAN 1998

These drawings have been revised based on the construction records of the owner. While the information submitted by the Owner will be assumed to be reliable, the engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in the record document as a result thereof.

PART TWO OF MOVING ROAD CLOSURE – NAKOMIS DRIVE

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR
ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
DATE

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		LEEDSHILL-HERKENHOFF, INC.	
		DESIGNED BY T MARTINI	DATE OCT 96
		DRAWN BY M JENSEN	DATE OCT 96
		CHECKED BY C DODGE	DATE OCT 96

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

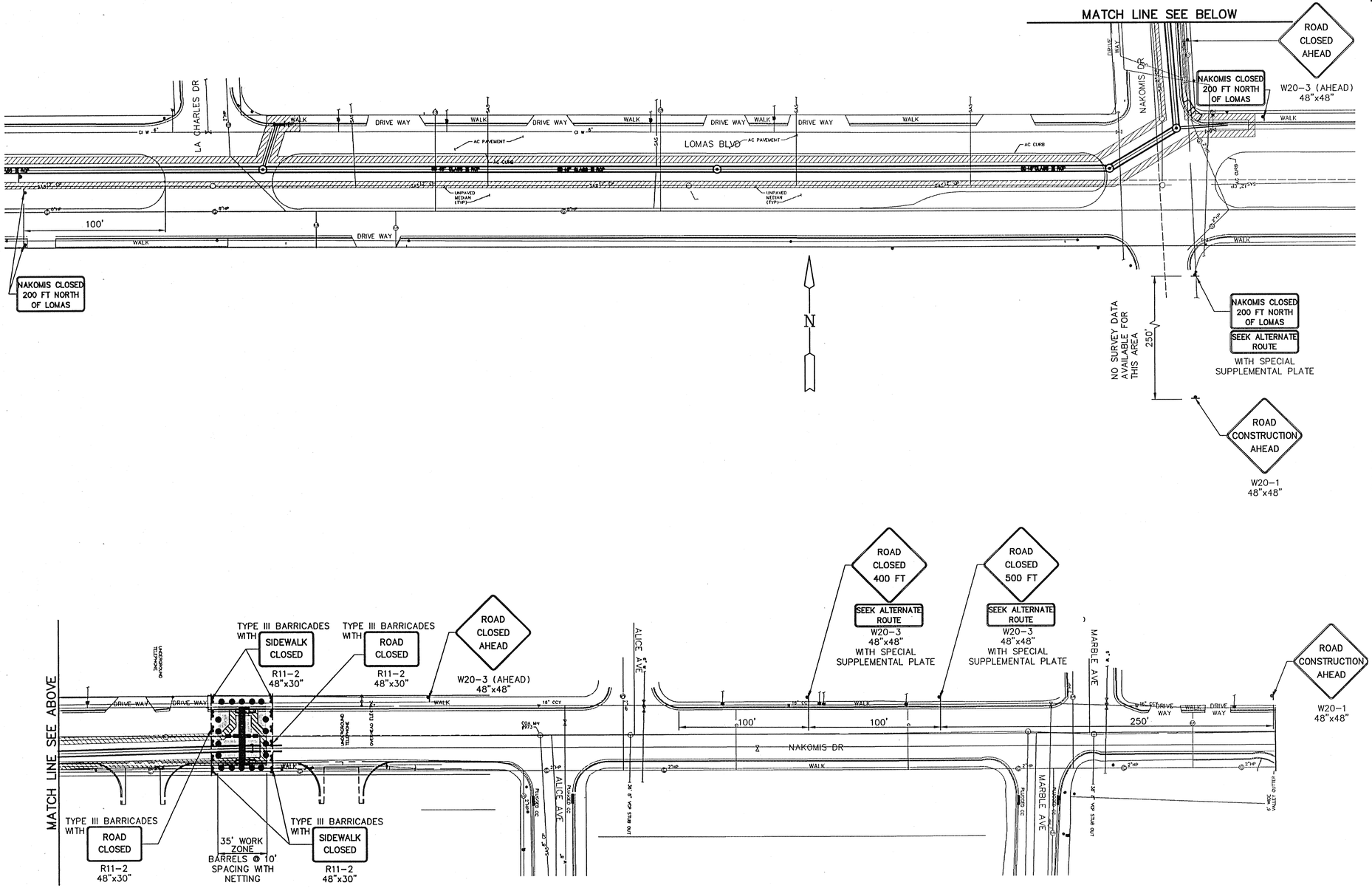
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
LOMAS AND NAKOMIS STORM DRAIN
PHASE III TRAFFIC CONTROL PLAN

Design Review Committee: APPROVED JUN 19 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUN 19 1997 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 4880.92 | Zone Map No. – | Sheet 13 Of 24

1/94036_16/TRAFCON4/5-12-97/BGC



NOTES

A BASED ON 25 MPH POSTED SPEED LIMIT ON NAKOMIS DRIVE.

TRAFFIC LEGEND

- WORK ZONE OR COMBINED WORK AND BUFFER ZONE
- BARRICADE TYPE I, TYPE II, OR BARREL
- BARRICADE, TYPE III
- VERTICAL PANEL
- TRAFFIC SIGN
- DOUBLE FACING SIGNS

0 20' 40' 80' 120'
1" = 40'

N

ROAD CLOSURE–NAKOMIS DRIVE

RECORD DRAWING

Date JAN 1998

These drawings have been revised based on the construction records of the owner. While the information submitted by the Owner will be assumed to be reliable, the engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in the record document as a result thereof.

AS BUILT INFORMATION

CONTRACTOR	
WORK STAKED BY	DATE
INSPECTOR ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

LEEDSHILL–HERKENHOFF, INC.

DESIGNED BY	T MARTINI	DATE OCT 96
DRAWN BY	M JENSEN	DATE OCT 96
CHECKED BY	C DODGE	DATE OCT 96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
LOMAS AND NAKOMIS STORM DRAIN
PHASE III TRAFFIC CONTROL PLAN

Design Review Committee: APPROVED JUN 19 1997 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED JUN 19 1997 CITY ENGINEER

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 4880.92 | Zone Map No. – | Sheet 14 Of 24

1/P:\94036_16\DWG\C\TRAFCON3/5-12-97/CR

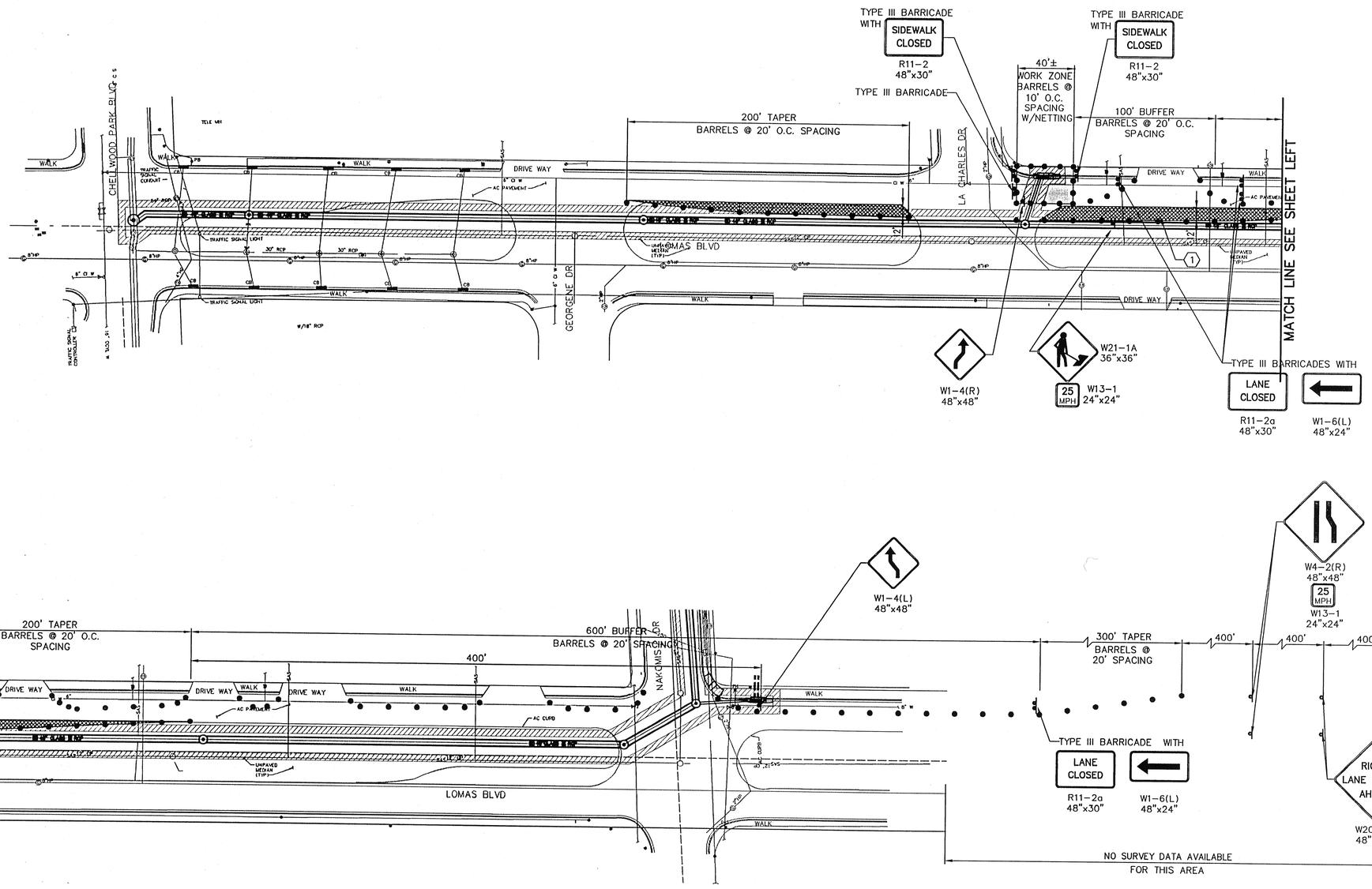
NOTES

A BASED ON 11' LANE CLOSURE AND 7' SHIFT WITH POSTED SPEED LIMIT OF 40 MPH ON LOMAS BLVD.

B MAINTAIN 12' MINIMUM CLEARANCE FOR OPEN DRIVING LANE.

KEYED NOTES ⬡

1 REMOVE EXISTING ASPHALT MEDIAN CURB. GRADE, SHAPE AND COMPACT 6" SUBGRADE 95%. INSTALL 4" TEMPORARY ASPHALT DETOUR PAVING PRIOR TO CONSTRUCTION OF AC CURB.



TRAFFIC LEGEND

- WORK ZONE OR COMBINED WORK AND BUFFER ZONE
- BARRICADE TYPE I, TYPE II, OR BARREL
- BARRICADE, TYPE III
- VERTICAL PANEL
- TRAFFIC SIGN
- DOUBLE FACING SIGNS
- TEMPORARY DETOUR PAVING

RIGHT LANE CLOSURE–LOMAS BOULEVARD

RECORD DRAWING
Date JAN 1998
These drawings have been revised based on the construction records of the owner. While the information submitted by the Owner will be assumed to be reliable, the Engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in the record document as a result thereof.

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
CHARLES W. DODGE
NEW MEXICO
6449
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

LEEDSHILL-HERKENHOFF, INC. DATE OCT 96
DESIGNED BY T MARTINI DATE OCT 96
DRAWN BY M JENSEN DATE OCT 96
CHECKED BY C DODGE DATE OCT 96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
LOMAS AND NAKOMIS STORM DRAIN
PHASE I TRAFFIC CONTROL PLAN

Design Review Committee: APPROVED JUN 19 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUN 19 1997 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

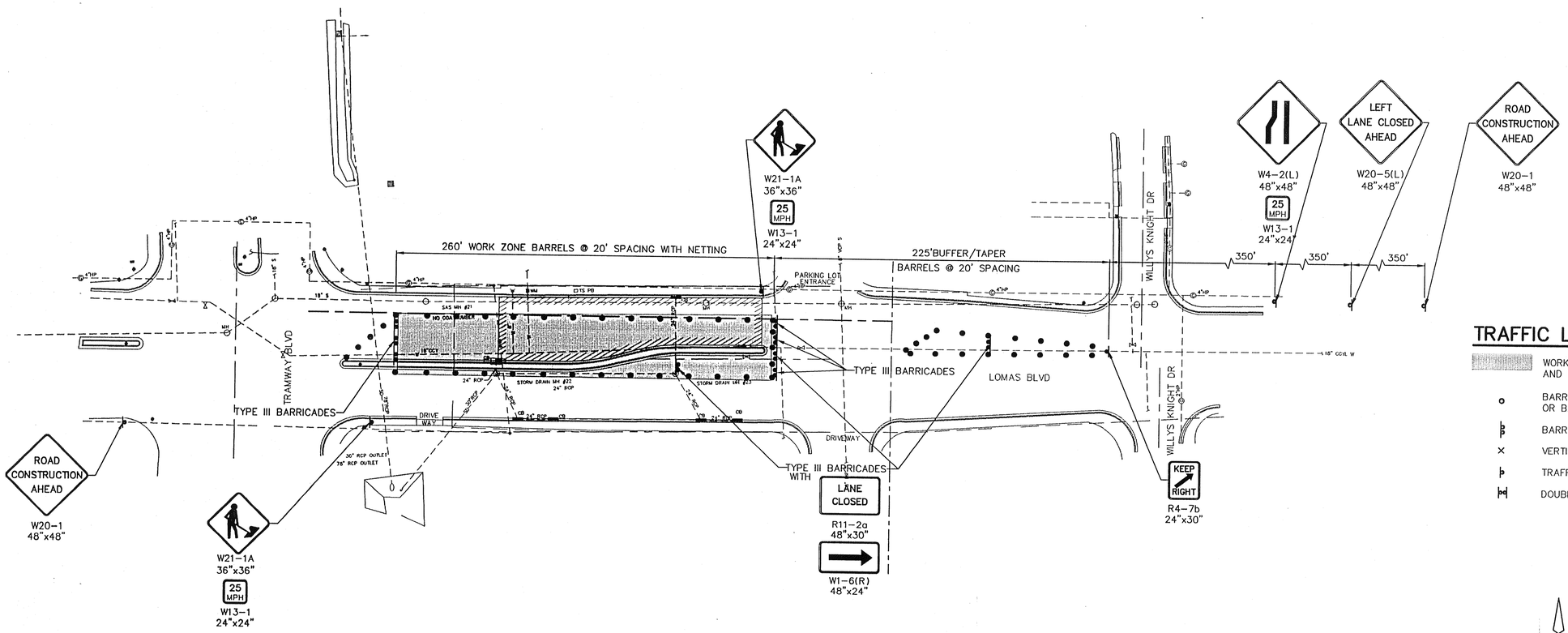
City Project No. 4880.92 | Zone Map No. — | Sheet 15 Of 24

1/P:/94036_16/DWG/C/TRAFCON2/5-12-97/BGC

NOTES

A BASED ON 22' LANE CLOSURE WITH POSTED SPEED LIMIT OF 35 MPH ON LOMAS BLVD.

B MAINTAIN 12' MINIMUM CLEARANCE FOR OPEN DRIVING LANE.



TRAFFIC LEGEND

- WORK ZONE OR COMBINED WORK AND BUFFER ZONE
- BARRICADE TYPE I, TYPE II, OR BARREL
- BARRICADE, TYPE III
- VERTICAL PANEL
- TRAFFIC SIGN
- DOUBLE FACING SIGNS

N

0 20' 40' 80' 120'
1" = 40'

LEFT LANE CLOSURE–LOMAS BOULEVARD EAST OF TRAMWAY

RECORD DRAWING
Date JAN 1998

These drawings have been revised based on the construction records of the owner. While the information submitted by the Owner will be assumed to be reliable, the engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in the record document as a result thereof.

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
CITY OF ALBUQUERQUE NEW MEXICO 6176 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

LEEDSHILL–HERKENHOFF, INC.
DESIGNED BY T MARTINI DATE JUNE 96
DRAWN BY M JENSEN DATE JUNE 96
CHECKED BY C DODGE DATE JUNE 96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
LOMAS/TRAMWAY
PHASE II TRAFFIC CONTROL PLAN

Design Review Committee: APPROVED JUN 19 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUN 19 1997 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

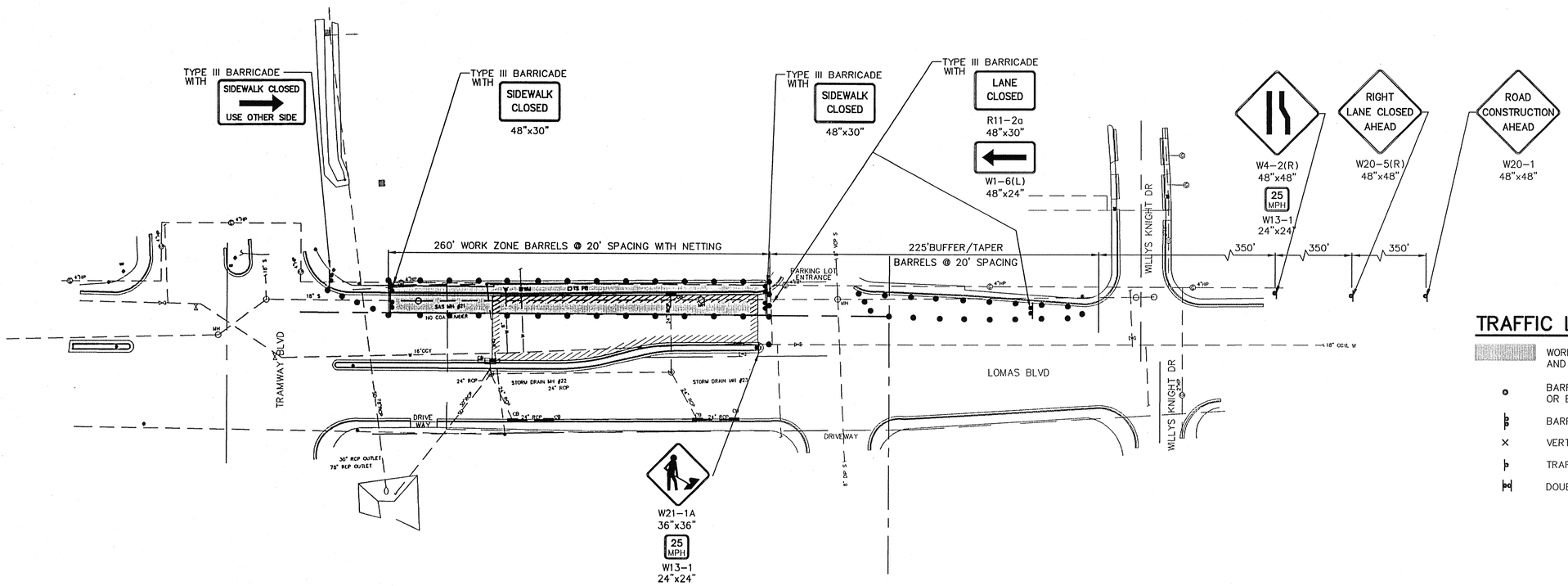
City Project No. 4880.92 | Zone Map No. – | Sheet 16 Of 24

1/94036_16/DWG/C/TRAFCON6/5-12-97/BGC

NOTES

A BASED ON 22' LANE CLOSURE WITH POSTED SPEED LIMIT OF 35 MPH ON LOMAS BLVD.

B MAINTAIN 12' MINIMUM CLEARANCE FOR OPEN DRIVING LANE.



TRAFFIC LEGEND

- WORK ZONE OR COMBINED WORK AND BUFFER ZONE
- BARRICADE TYPE I, TYPE II, OR BARREL
- BARRICADE, TYPE III
- VERTICAL PANEL
- TRAFFIC SIGN
- DOUBLE FACING SIGNS

N

0 20' 40' 80' 120'
1" = 40'

RIGHT LANE CLOSURE–LOMAS BOULEVARD EAST OF TRAMWAY

RECORD DRAWING
Date JAN 1998

These drawings have been revised based on the construction records of the owner. While the information submitted by the Owner will be assumed to be reliable, the Engineer will not be responsible for the accuracy of this information nor for errors or omissions which may appear in the record document as a result thereof.

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

LEEDSHILL–HERKENHOFF, INC. DESIGNED BY T MARTINI DATE OCT 96
DRAWN BY M JENSEN DATE OCT 96
CHECKED BY C DODGE DATE OCT 96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

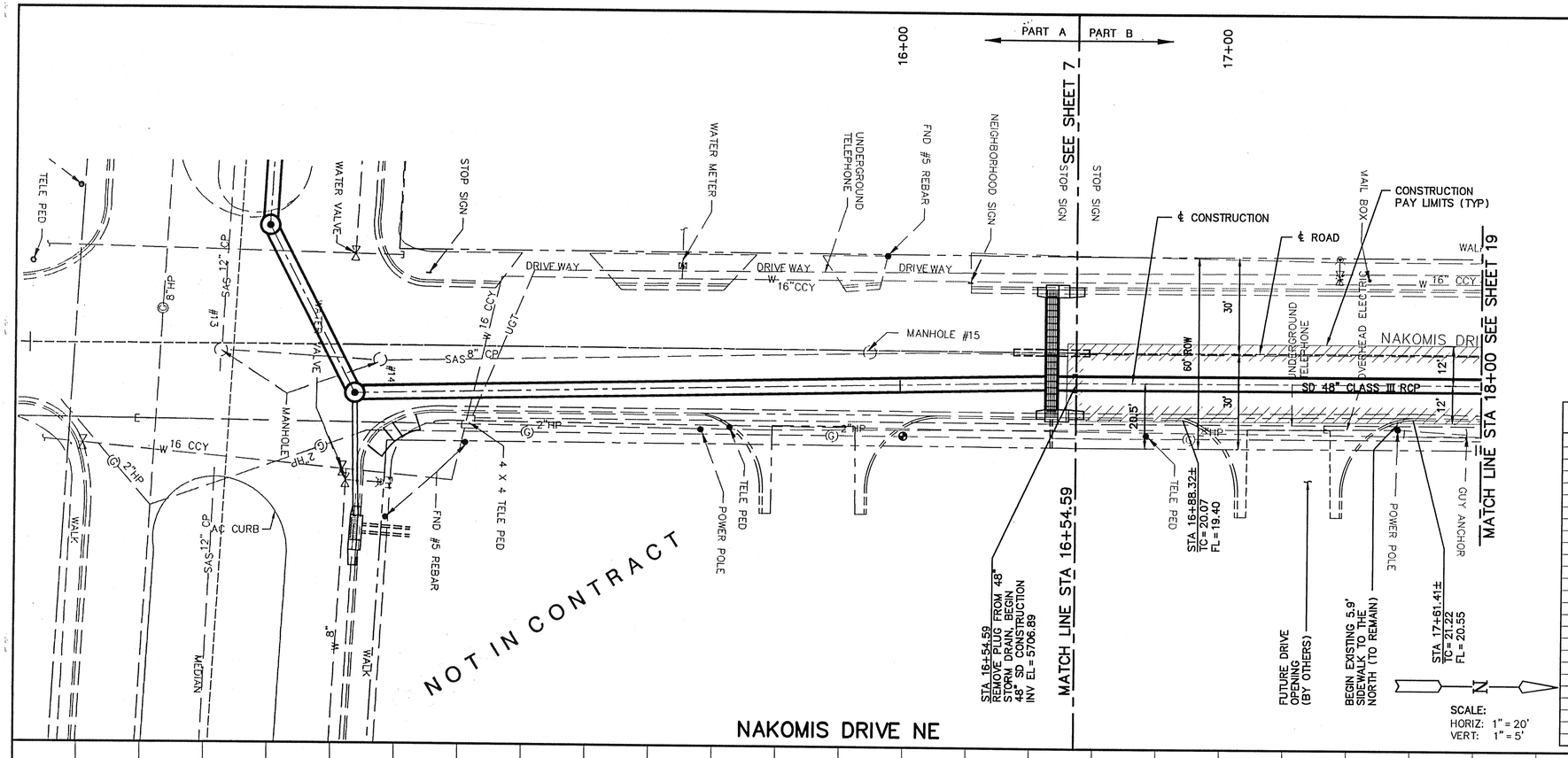
TITLE: DIVERSE DRAINAGE IMPROVEMENTS
LOMAS/TRAMWAY
PHASE II TRAFFIC CONTROL PLAN

Design Review Committee: APPROVED JUN 19 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUN 19 1997 CITY ENGINEER

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 4880.92 | Zone Map No. – | Sheet 17 Of 24

1/94036_16/DWG/C/TRAFCON7/5-12-97/BGC



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

NOTES

A FOR SURVEY CONTROL SEE SHEET 3.

B ALL WATER LINE RELOCATION SHALL EMPLOY EXCLUSIVELY MECHANICAL RESTRAINT ON BENDS.

C IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENTS CURRENT DROP-OFF POLICY. THIS WORK SHALL BE INCIDENTAL TO THE PROJECT.

D PROVIDE SHORING OR TRENCH PROTECTION TO PROTECT EXISTING AC CURB ON LOMAS AS SHOWN. DAMAGE TO AC CURB OUTSIDE THE CONSTUCTION PAY LIMITS MUST BE REPAIRED AT CONTRACTORS EXPENSE.

E PAVEMENT REPLACEMENT SECTION FOR NAKOMIS SHALL BE IN ACCORDANCE WITH COA STD DWG 2405 FOR FLEXIBLE PAVEMENT.

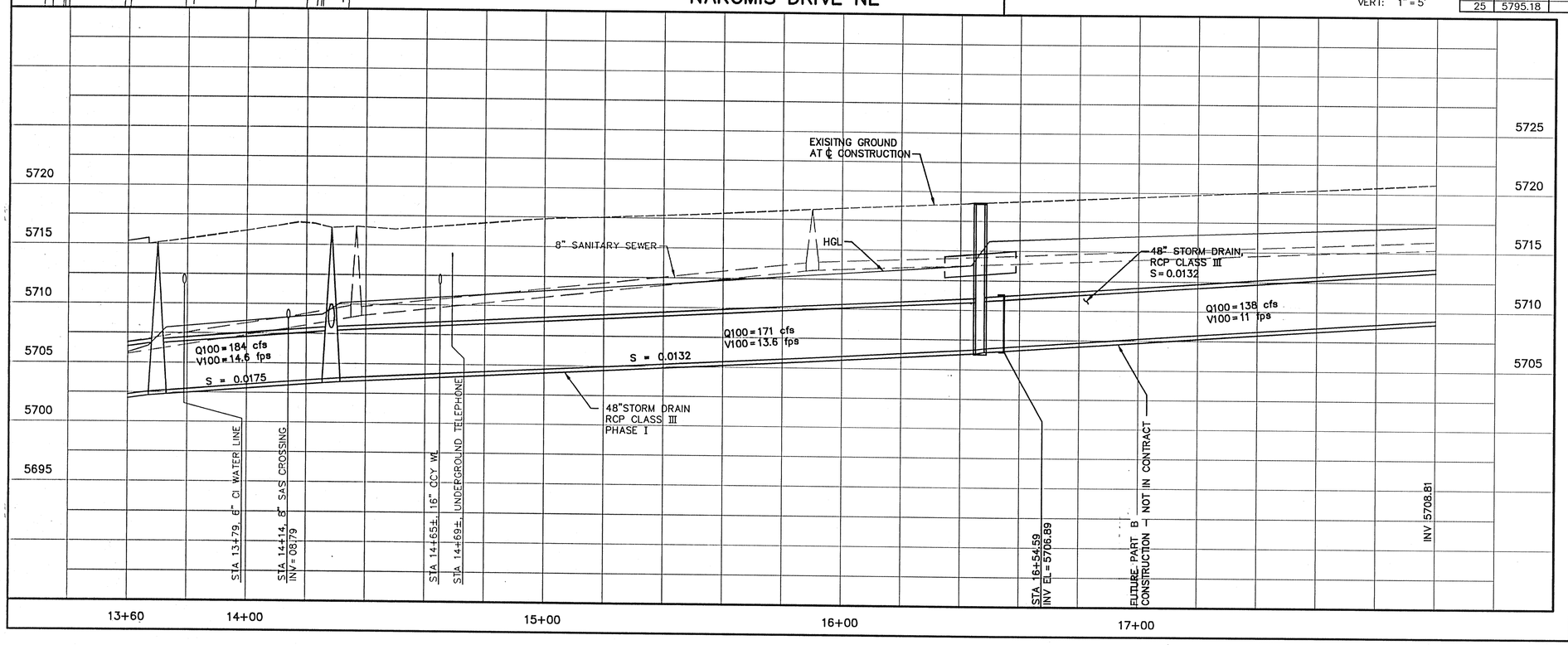
F CURB AND GUTTER REMOVED DURING CONSTRUCTION TO BE REPLACED WITH PCC STANDARD CURB AND GUTTER IN ACCORDANCE WITH COA STD DWG 2415.

G EXISTING SIDEWALK WHICH MAY BE DAMAGED OR REMOVED DURING CONSTUCTION TO BE REPLACED IN ACCORDANCE WITH COA STD DWG 2430 AND MATCH EXISTING WIDTH.

EXISTING MANHOLE DATA

MH	RIM ELEV	NORTH INV 1	SOUTH INV 2	EAST INV 3	WEST INV 4	COA GIS NUMBER
1	5663.14	5654.61	5654.59		5662.72	S942
2	5663.95	5654.75	5654.25		5654.25	NO NUMBER
3	5663.41	5654.16		5653.27	5653.22	944
4	5663.55	5654.15	5654.05	5654.26		S43
5	5664.57	5658.57		5656.87	5656.07	S56
6	5666.97	5659.77	5660.27	5659.07	5658.87	S55
7	5669.32	5662.42	5662.82	5661.52	5661.17	S54
8	5670.69	5663.95	5664.35	5663.17	5662.97	S53
9	5672.87	5665.87	5666.37	5665.37	5665.27	S52
10	5676.44			5666.94	5666.84	NO NUMBER
11	5687.90			5678.25	5678.15	
12	5703.10			5693.20	5693.05	964
13	5716.80	5708.65		5707.95	5707.95	972
14	5716.13	5709.28	5709.18			NO NUMBER
15	5718.90	5713.25	5713.15			971
16	5723.00	5716.65			5716.65	873
17	5726.41	5720.41	5720.31	5720.51		875
18	5727.01	5721.01	5720.96	5721.31	5721.01	871
19	5729.39	5723.54	5723.39	5723.49		NO NUMBER
20	5768.75	5757.00		5756.95	5756.75	903
		5761.15				
21	5771.87	5762.25	5761.75	5761.65	5761.55	NO NUMBER
22	5772.86	5767.16	5764.76		5764.86	S902
23	5779.72	5770.12		5770.02	5770.02	S903
24	5794.56	5786.57		5786.57	5786.47	
25	5795.18		5787.18	5787.18	5787.08	

EXISTING STORM DRAIN INLETS	GRATE ELEVATION	INVERT ELEVATION
A	5663.77	5660.77
B	5667.48	5664.48
C	5669.43	5666.43
D	5671.53	5668.53
E	5663.59	5660.59
F	5665.45	5662.45
G	5667.69	5664.69
H	5669.71	5666.71
I	5671.69	5668.96
J	5773.37	5770.37
K	5774.47	5771.43
L	5779.89	5776.89
M	5781.34	5778.34
N	5772.89	5769.89



AS BUILT INFORMATION

CONTRACTOR	DATE
WORK STAKED BY	
INSPECTOR'S ACCEPTANCE BY	DATE
AS-BUILT VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

THE STATION IS A STANDARD ACS BRASS TABLET STAMPED "5-J22 1979" SET FLUSH WITH THE GROUND AND LOCATED AT THE NORTHEAST RETURN OF LOMAS BLVD AND CHELWOOD PARK BLVD NE.
ELEV = 5664.88 (SLD 1929)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

LEEDSHILL-HERKENHOFF, INC.

		DATE
DESIGNED BY	RAS/TM/KO	JAN 1997
DRAWN BY	C ROMERO	JAN 1997
CHECKED BY	C DODGE	JAN 1997

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
NAKOMIS DRIVE NE - PART B - STORM SEWER
PLAN AND PROFILE STA 16+54.59 TO STA 18+00

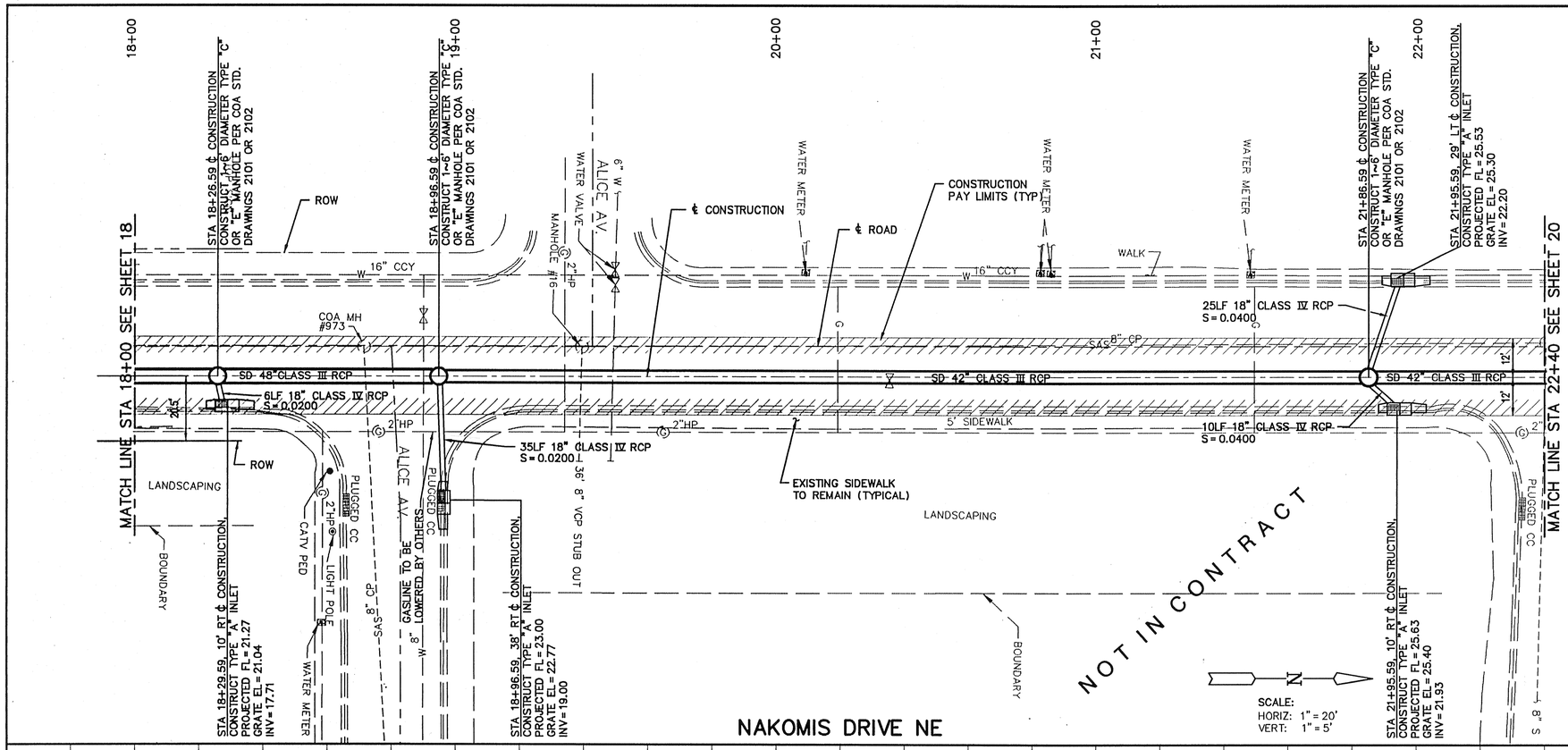
Design Review Committee: APPROVED JUN 19 1997 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED JUN 19 1997 CITY ENGINEER

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 4880-92 | Zone Map No. J,K-22,23 | Sheet 18 Of 24

20/94036.31/DWG/C/LOM-NAK2/5-12-97/BGC



NOTES

A FOR SURVEY CONTROL SEE SHEET 3.

B ALL WATER LINE RELOCATION SHALL EMPLOY EXCLUSIVELY MECHANICAL RESTRAINT ON BENDS.

C IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENTS CURRENT DROP-OFF POLICY. THIS WORK SHALL BE INCIDENTAL TO THE PROJECT.

D PROVIDE SHORING OR TRENCH PROTECTION TO PROTECT EXISTING AC CURB ON LOMAS AS SHOWN. DAMAGE TO AC CURB OUTSIDE THE CONSTUCTION PAY LIMITS MUST BE REPAIRED AT CONTRACTORS EXPENSE.

E PAVEMENT REPLACEMENT SECTION FOR NAKOMIS SHALL BE IN ACCORDANCE WITH COA STD DWG 2405 FOR FLEXIBLE PAVEMENT.

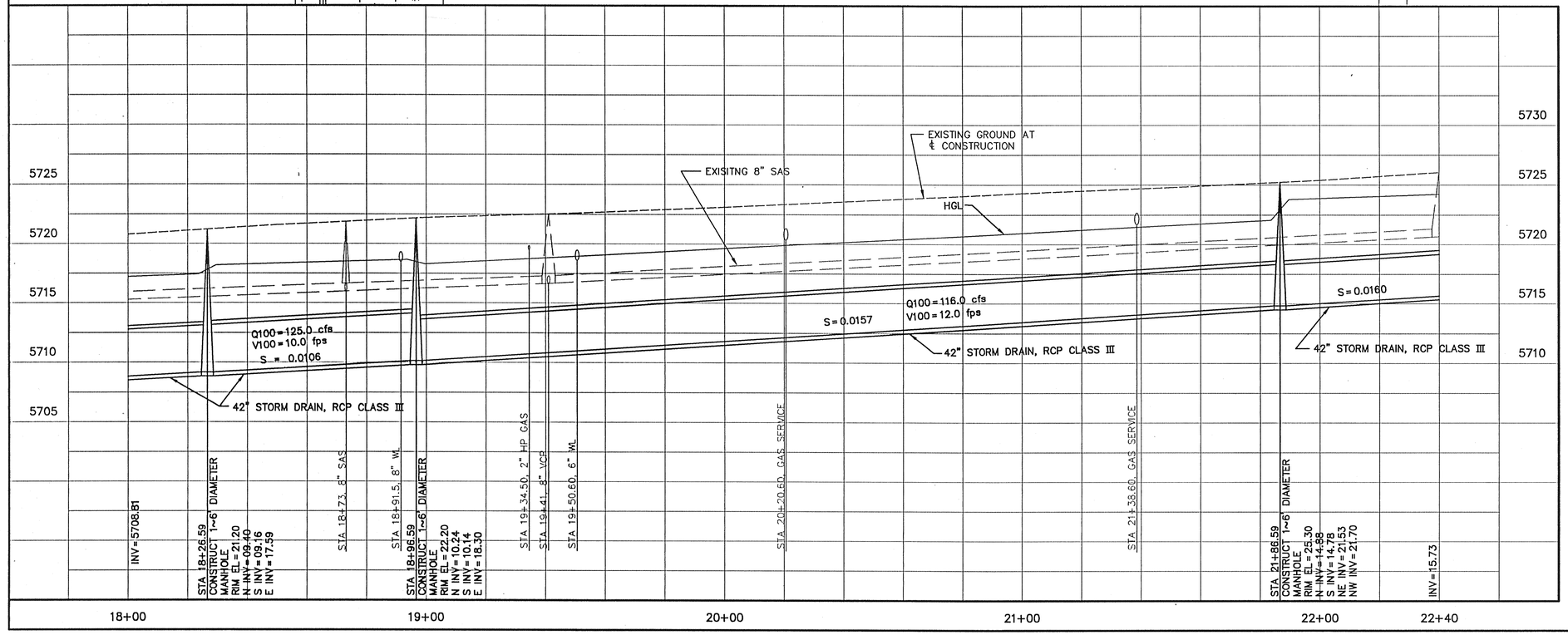
F CURB AND GUTTER REMOVED DURING CONSTRUCTION TO BE REPLACED WITH PCC STANDARD CURB AND GUTTER IN ACCORDANCE WITH COA STD DWG 2415.

G EXISTING SIDEWALK WHICH MAY BE DAMAGED OR REMOVED DURING CONSTUCTION TO BE REPLACED IN ACCORDANCE WITH COA STD DWG 2430 AND MATCH EXISTING WIDTH.

EXISTING MANHOLE DATA

MH	RIM ELEV	NORTH INV 1	SOUTH INV 2	EAST INV 3	WEST INV 4	COA GIS NUMBER
1	5663.14	5654.61	5654.59		5662.72	S942
2	5663.95	5654.75	5654.25		5654.25	NO NUMBER
3	5663.41	5654.16		5653.27	5653.22	944
4	5663.55	5654.15	5654.05	5654.26		S43
5	5664.57	5658.57		5656.87	5656.07	S56
6	5666.97	5659.77	5660.27	5659.07	5658.87	S55
7	5669.32	5662.42	5662.82	5661.52	5661.17	S54
8	5670.69	5663.95	5664.35	5663.17	5662.97	S53
9	5672.87	5665.87	5666.37	5665.37	5665.27	S52
10	5676.44			5666.94	5666.84	NO NUMBER
11	5687.90			5678.25	5678.15	
12	5703.10			5693.20	5693.05	964
13	5716.80	5708.65		5707.95	5707.95	972
14	5716.13	5709.28	5709.18			NO NUMBER
15	5718.90	5713.25	5713.15			971
16	5723.00	5716.65			5716.65	873
17	5726.41	5720.41	5720.31	5720.51		875
18	5727.01	5721.01	5720.96	5721.31	5721.01	871
19	5729.39	5723.54	5723.39	5723.49		NO NUMBER
20	5768.75	5757.00		5756.95	5756.75	903
		5761.15				
21	5771.87	5762.25	5761.75	5761.65	5761.55	NO NUMBER
22	5772.86	5767.16	5764.76		5764.86	S902
23	5779.72	5770.12		5770.02	5770.02	S903
24	5794.56	5786.57		5786.57	5786.47	
25	5795.18		5787.18	5787.18	5787.08	

EXISTING STORM DRAIN INLETS	GRATE ELEVATION	INVERT ELEVATION
A	5663.77	5660.77
B	5667.48	5664.48
C	5669.43	5666.43
D	5671.53	5668.53
E	5663.59	5660.59
F	5665.45	5662.45
G	5667.69	5664.69
H	5669.71	5666.71
I	5671.69	5668.96
J	5773.37	5770.37
K	5774.47	5771.43
L	5779.89	5776.89
M	5781.34	5778.34
N	5772.89	5769.89



AS BUILT INFORMATION

CONTRACTOR		
STAKED BY		DATE
INSPECTOR'S ACCEPTANCE BY		DATE
FIELD VERIFICATION BY		DATE
DRAWINGS CORRECTED BY		DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

THE ACS MONUMENTS ARE MARKED "3-J22" AND "23-J23" AND ARE STANDARD BRASS TABLET STAMP AND A ¼" ALUMINUM CAP, RESPECTIVELY. SEE ALBUQUERQUE CITY SURVEY MONUMENTATION LOGS FOR EXACT LOCATION.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

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

LEEDSHILL-HERKENHOFF, INC.

DESIGNED BY	RAS/TM/KD	DATE JUNE 96
DRAWN BY	C ROMERO	DATE JUNE 96
CHECKED BY	C DODGE	DATE JUNE 96

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
NAKOMIS DRIVE NE – PART B – STORM SEWER
PLAN AND PROFILE STA 18+00 TO STA 22+40

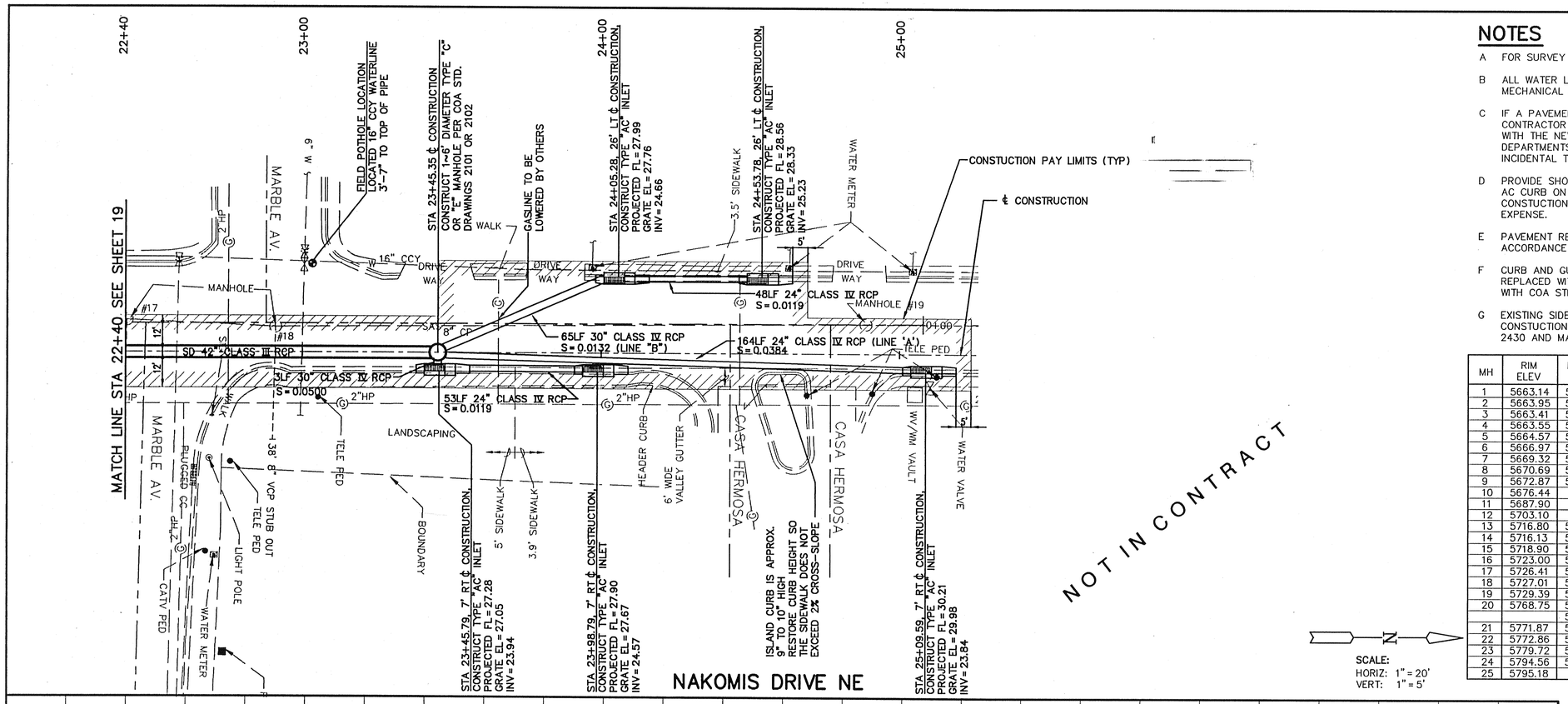
Design Review Committee: APPROVED JUN 19 1997 DESIGN REVIEW COMMITTEE

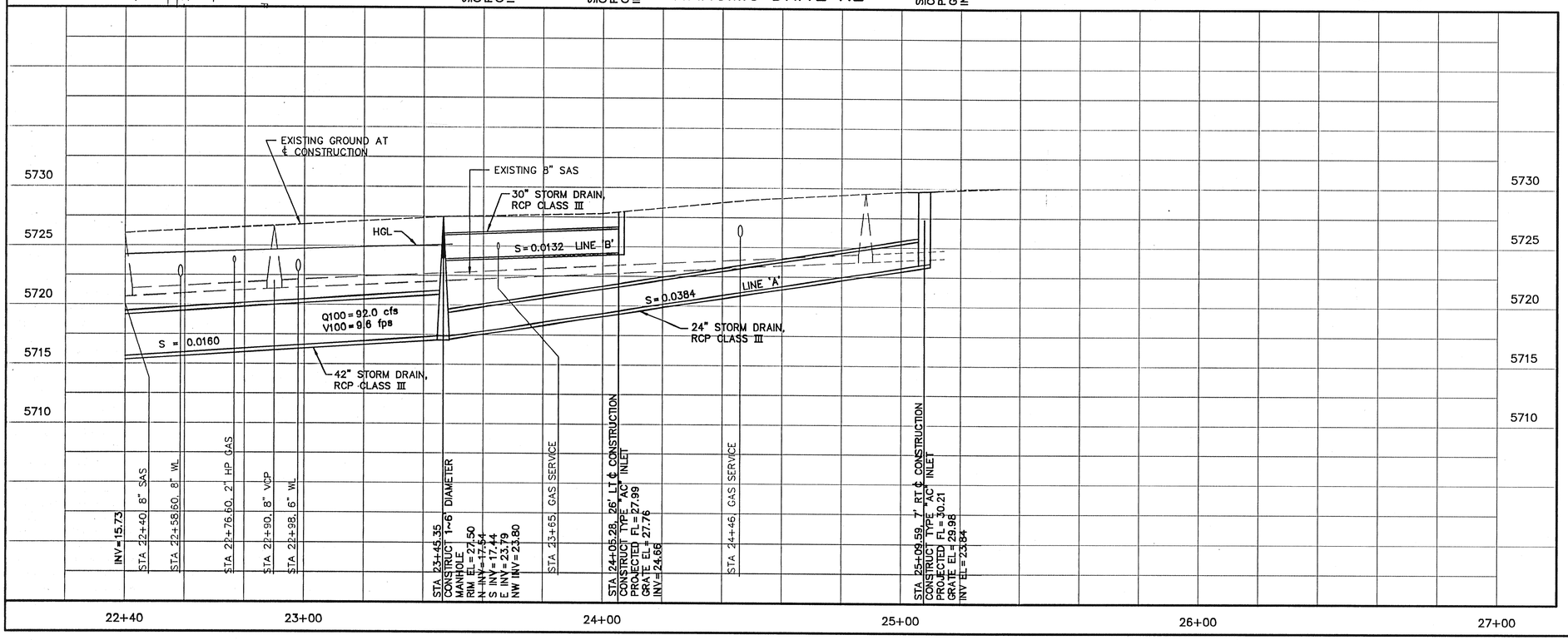
City Engineer Approval: APPROVED JUN 19 1997 CITY ENGINEER

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 4880-92 | Zone Map No. J,K-22,23 | Sheet 19 Of 24

20/94036.31/DWG/C/LOM-NAK2/5-12-97/BCC





NOTES

A FOR SURVEY CONTROL SEE SHEET 3.

B ALL WATER LINE RELOCATION SHALL EMPLOY EXCLUSIVELY MECHANICAL RESTRAINT ON BENDS.

C IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENTS CURRENT DROP-OFF POLICY. THIS WORK SHALL BE INCIDENTAL TO THE PROJECT.

D PROVIDE SHORING OR TRENCH PROTECTION TO PROTECT EXISTING AC CURB ON LOMAS AS SHOWN. DAMAGE TO AC CURB OUTSIDE THE CONSTUCTION PAY LIMITS MUST BE REPAIRED AT CONTRACTORS EXPENSE.

E PAVEMENT REPLACEMENT SECTION FOR NAKOMIS SHALL BE IN ACCORDANCE WITH COA STD DWG 2405 FOR FLEXIBLE PAVEMENT.

F CURB AND GUTTER REMOVED DURING CONSTRUCTION TO BE REPLACED WITH PCC STANDARD CURB AND GUTTER IN ACCORDANCE WITH COA STD DWG 2415.

G EXISTING SIDEWALK WHICH MAY BE DAMAGED OR REMOVED DURING CONSTUCTION TO BE REPLACED IN ACCORDANCE WITH COA STD DWG 2430 AND MATCH EXISTING WIDTH.

EXISTING MANHOLE DATA

MH	RIM ELEV	NORTH INV 1	SOUTH INV 2	EAST INV 3	WEST INV 4	COA GIS NUMBER
1	5663.14	5654.61	5654.59		5662.72	S942
2	5663.95	5654.75	5654.25		5654.25	NO NUMBER
3	5663.41	5654.16		5653.27	5653.22	944
4	5663.55	5654.15	5654.05	5654.26		S43
5	5664.57	5658.57		5656.87	5656.07	S56
6	5666.97	5659.77	5660.27	5659.07	5658.87	S55
7	5669.32	5662.42	5662.82	5661.52	5661.17	S54
8	5670.69	5663.95	5664.35	5663.17	5662.97	S53
9	5672.87	5665.87	5666.37	5665.37	5665.27	S52
10	5676.44			5666.94	5666.84	NO NUMBER
11	5687.90			5678.25	5678.15	
12	5703.10			5693.20	5693.05	964
13	5716.80	5708.65		5707.95	5707.95	972
14	5716.13	5709.28	5709.18			NO NUMBER
15	5718.90	5713.25	5713.15			971
16	5723.00	5716.65			5716.65	873
17	5726.41	5720.41	5720.31	5720.51		875
18	5727.01	5721.01	5720.96	5721.31	5721.01	871
19	5729.39	5723.54	5723.39	5723.49		NO NUMBER
20	5768.75	5757.00		5756.95	5756.75	903
		5761.15				
21	5771.87	5762.25	5761.75	5761.65	5761.55	NO NUMBER
22	5772.86	5767.16	5764.76		5764.86	S902
23	5779.72	5770.12		5770.02	5770.02	S903
24	5794.56	5786.57		5786.57	5786.47	
25	5795.18		5787.18	5787.18	5787.08	

EXISTING STORM DRAIN INLETS	GRATE ELEVATION	INVERT ELEVATION
A	5663.77	5660.77
B	5667.48	5664.48
C	5669.43	5666.43
D	5671.53	5668.53
E	5663.59	5660.59
F	5665.45	5662.45
G	5667.69	5664.69
H	5669.71	5666.71
I	5671.69	5668.96
J	5773.37	5770.37
K	5774.47	5771.43
L	5779.89	5776.89
M	5781.34	5778.34
N	5772.89	5769.89

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
THE ACS MONUMENTS ARE MARKED "3-J22" AND "23-J23" AND ARE STANDARD BRASS TABLET STAMP AND A 1/4" ALUMINUM CAP, RESPECTIVELY. SEE ALBUQUERQUE CITY SURVEY MONUMENTATION LOGS FOR EXACT LOCATION.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

LEEDSHILL-HERKENHOFF, INC.
DESIGNED BY RAS/TM/KD DATE JUNE 96
DRAWN BY C ROMERO DATE JUNE 96
CHECKED BY C DODGE DATE JUNE 96

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

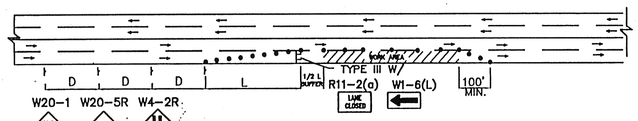
TITLE: DIVERSE DRAINAGE IMPROVEMENTS
NAKOMIS DRIVE NE – PART B – STORM SEWER
PLAN AND PROFILE STA 22+40 TO STA 25+09.59

Design Review Committee: APPROVED JUN 19 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUN 19 1997 CITY ENGINEER

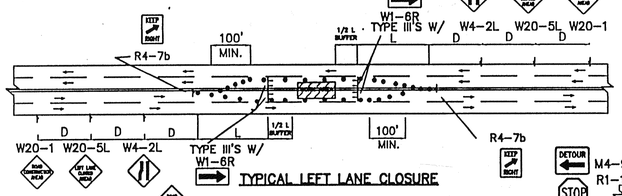
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No. 4880-92 | Zone Map No. J,K-22,23 | Sheet 20 Of 24

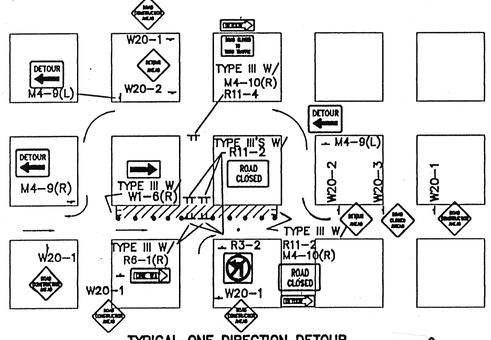
20/94036.31/DWG/C/LOM-NAK2/5-12-97/BGC



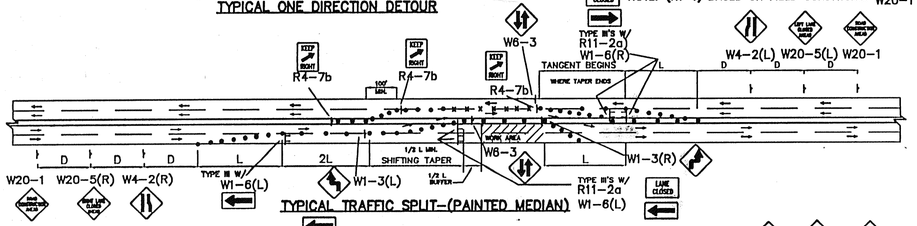
TYPICAL RIGHT LANE CLOSURE



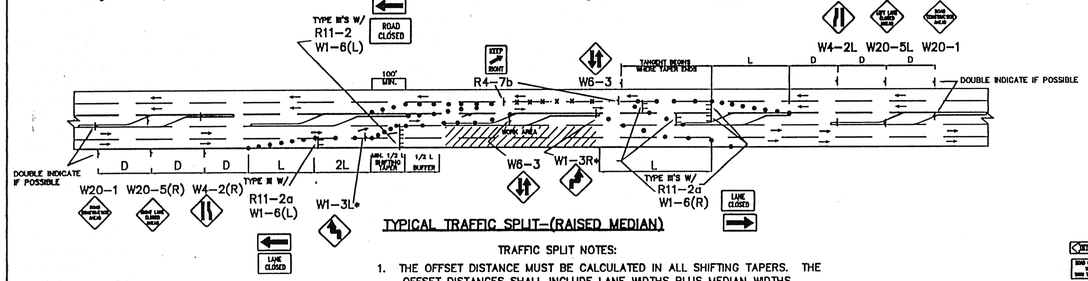
TYPICAL LEFT LANE CLOSURE



TYPICAL ONE DIRECTION DETOUR



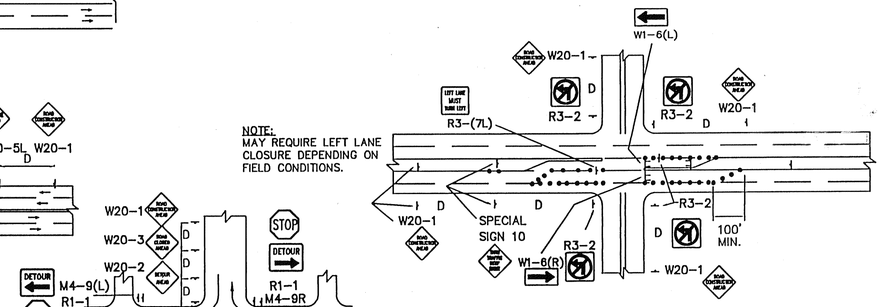
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

TRAFFIC SPLIT NOTES:

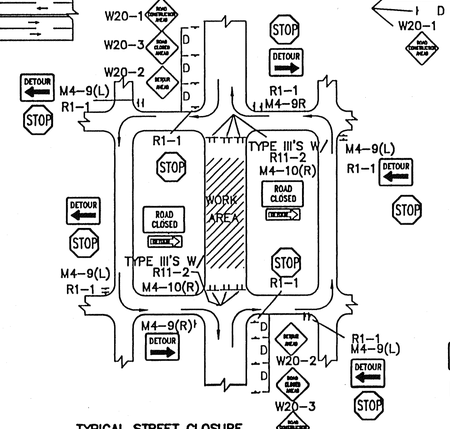
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L 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.



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

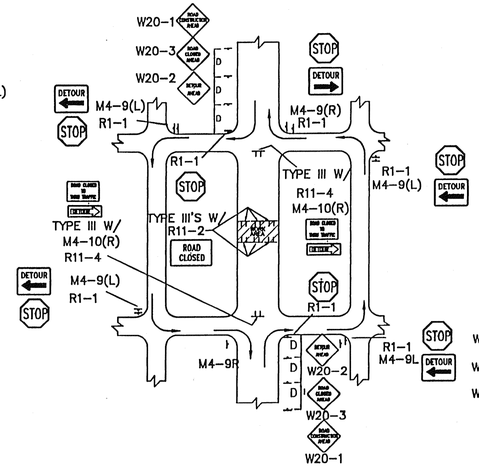
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION



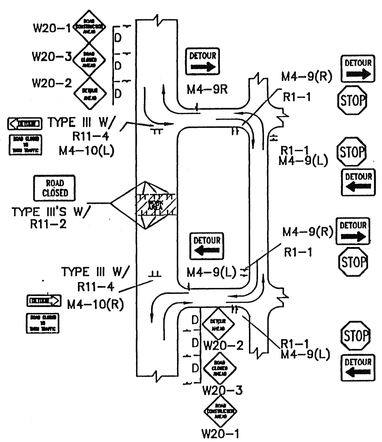
TYPICAL STREET CLOSURE

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



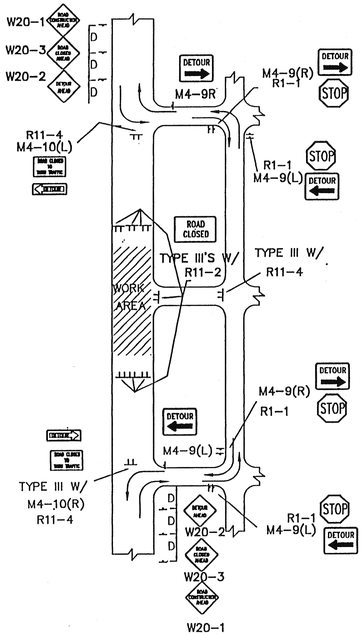
TYPICAL MID-BLOCK CLOSURE

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



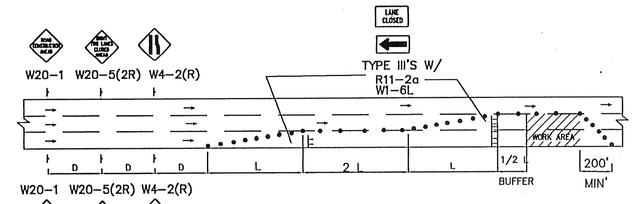
TYPICAL STREET CLOSURE

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

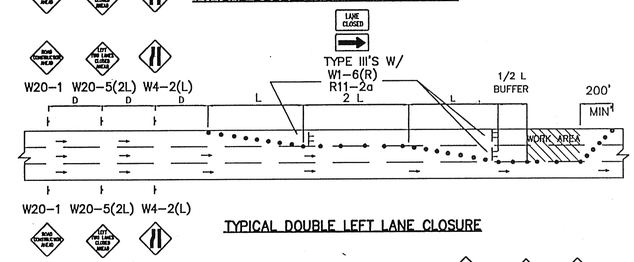


TYPICAL STREET CLOSURE

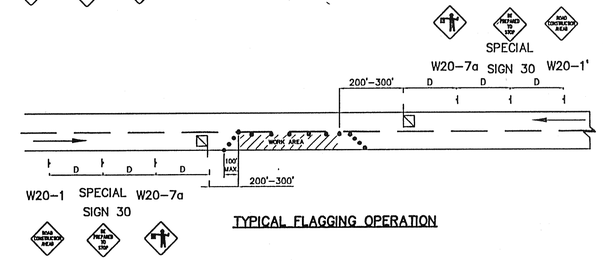
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



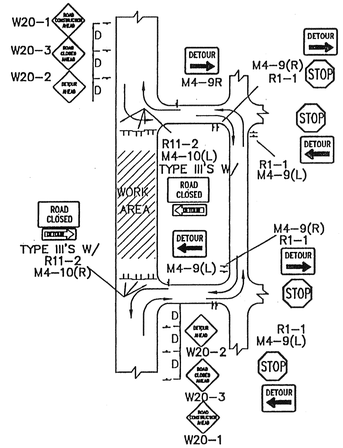
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE

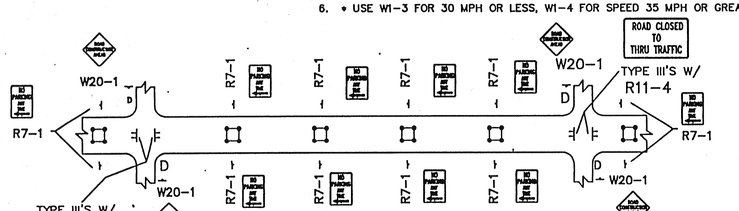


TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE

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



TYPICAL SANITARY SEWER SLIPLINING OPERATION

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

GENERAL NOTE:

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

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

AS BUILT INFORMATION
CONTRACTOR DATE
WORK STAKED BY DATE
INSPECTOR'S CHANGES BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

REMARKS BY
REVISIONS
NO. DATE
DESIGN
DESIGNED BY DATE
C.O.A. STANDARDS
DRAWN BY DATE
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

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

DESIGN REVIEW COMMITEE | CITY ENGINEER APPROVAL | LAST UPDATE | MO./DAY/YR. | MO./DAY/YR.

PROJECT NO. 4880.92 | MAP NO. | SHEET 21 OF 24

CTCST1N02.DWG

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 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.

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.

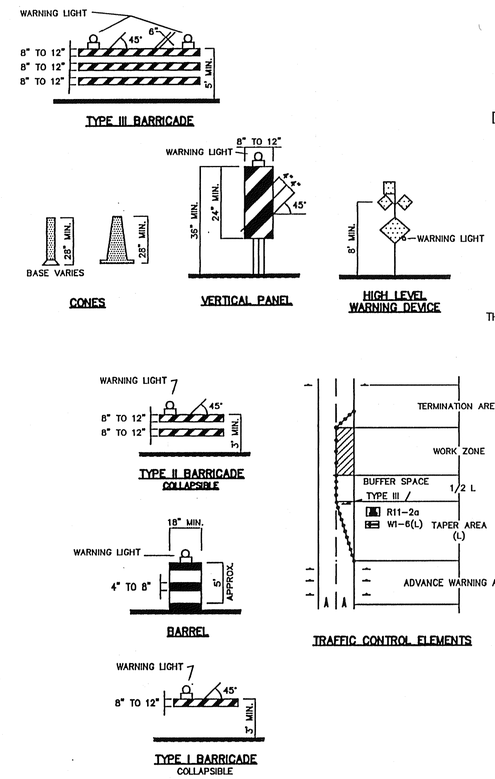
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
    1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
    2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
    3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS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



LEGEND

- 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.

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET) 10' LANE	11' LANE	12' LANE	MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET 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 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

TAPER CRITERIA

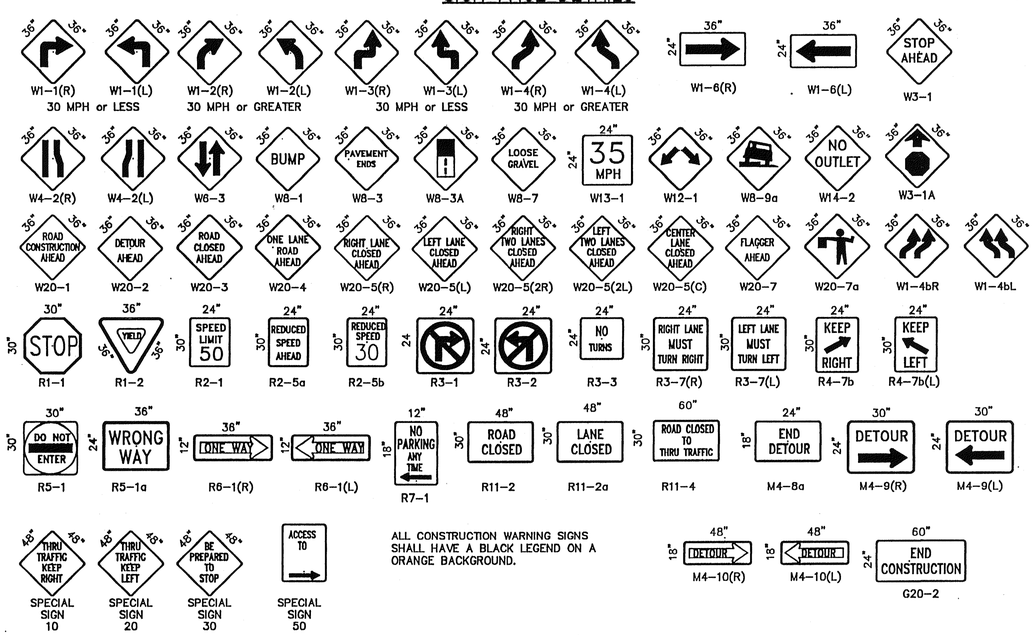
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
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: CONTRACTOR / DATE; WORK STAKED BY / DATE; INSPECTOR'S ACCEPTANCE BY / DATE; FIELD VERIFICATION BY / DATE; DRAWINGS CORRECTED BY / DATE; MICRO-FILM INFORMATION: RECORDED BY / DATE; NO.

BENCH MARKS

SURVEY INFORMATION: FIELD NOTES; NO. / BY / DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN: DESIGNED BY / DATE; DRAWN BY / DATE; C.O.A. STANDARDS; CHECKED BY / DATE

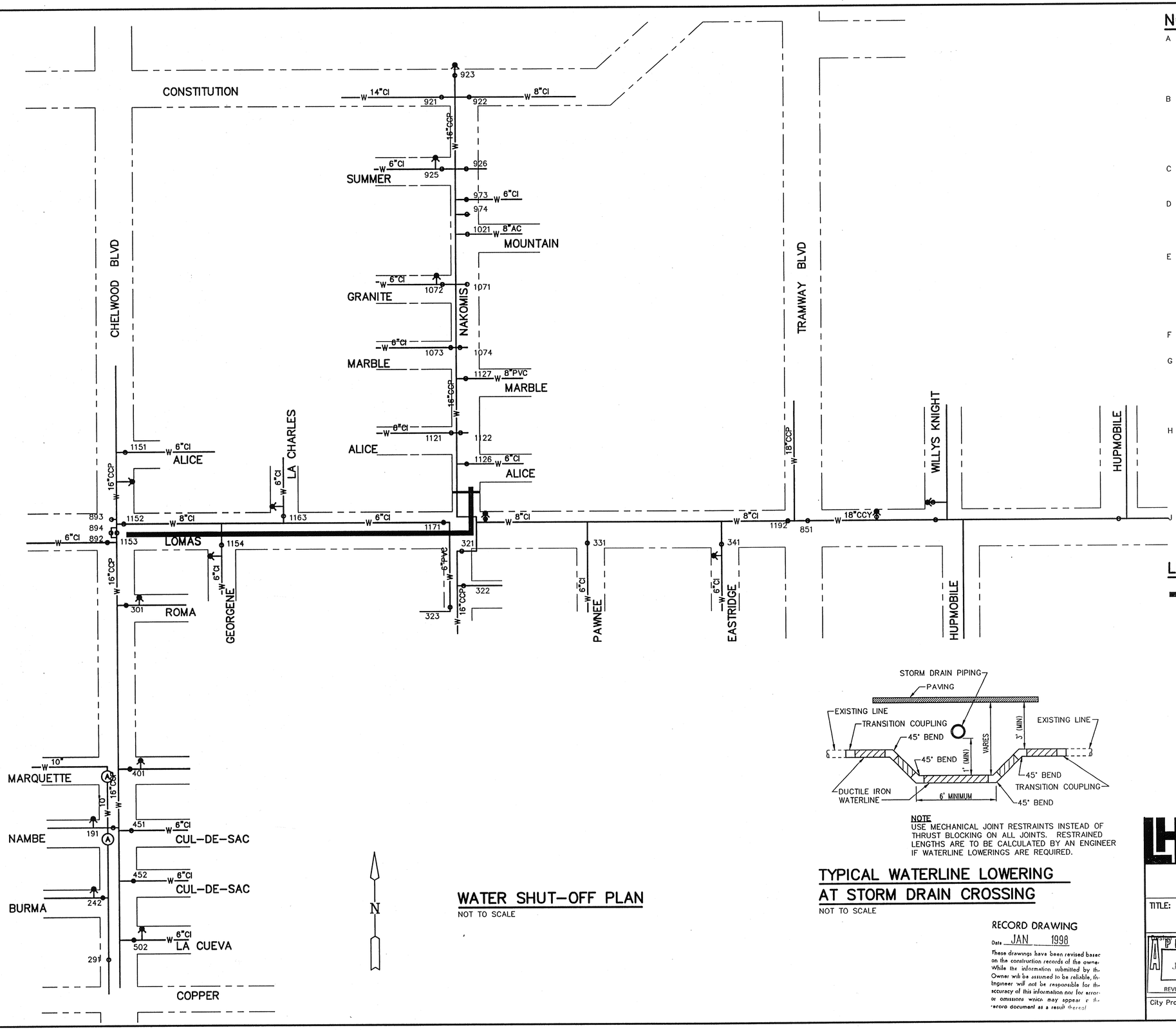
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

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

DESIGN REVIEW COMMITEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR.	MO./DAY/YR.

PROJECT NO.	4880.92	MAP NO.	SHEET 22 OF 24

CTCSTND1.DWG



WATER SHUT-OFF PLAN

NOT TO SCALE

NOTES

A WATER SHUF-OFF PLANS SHOWN WERE PREPARED USING THE CITY OF ALBUQUERQUE WATER RECORD MAPS AND ARE PROVIDED FOR THE PURPOSE OF COORDINATING WATER VALVE CLOSURES WITHIN CONSTRUCTION AREAS.

B OPERATION OF THE EXISTING WATER SYSTEM SHALL BE IN ACCORDANCE WITH SECTION 18 OF THE GENERAL CONDITIONS, CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986, WHICH SHALL TAKE PRECEDENCE OVER THESE PLANS.

C WATER SHUT-OFF HOURS DURING ANY ONE DAY WILL BE DETERMINED BY THE PROJECT ENGINEER.

D THE CONTRACTOR SHALL APPLY FOR A WATER SHUT-OFF PERMIT FROM THE WATER UTILITIES DIVISION AT LEAST FIVE (5) DAYS BEFORE THE DATE OF THE ACTUAL SHUT-OFF.

E THE CONTRACTOR SHALL CONTACT CITY LINE MAINTENANCE AND THE FIRE DEPARTMENT PRIOR TO ANY AND ALL WATERLINE SHUT-OFF. THE CONTRACTOR MAY BE REQUIRED TO MAKE WATERLINE CONNECTIONS AND FIRE HYDRANT RELOCATIONS DURING NON-BUSINESS HOURS.

F WATER SHUT-OFF FOR CONNECTIONS SHALL NOT EXCEED FOUR (4) HOURS.

G CONTRACTOR SHALL PROVIDE TEMORARY WATER SERVICE FOR SERVICE INTER-RUPTIONS LONGER THAN FOUR (4) HOURS. THE COST FOR TEMPORARY SERVICE SHALL BE INCLUDED IN THE PAY ITEMS FOR THE WORK CAUSING THE OUTAGE.

H CONTRACTOR SHALL BE PAID FROM UTILITY RELOCATION ALLOWANCE FOR LOWERING OR RELOCATING EXISTING WATER LINES WHICH WILL INCLUDE ALL MATERIALS AND LABOR INCLUDING TRENCH AND BACKFILL, FITTING, RESTRAINED JOINTS AND CONNECTIONS TO EXISTING LINES.

J NO WATERLINE LOWERING OR SHUT-OFF ARE ANTICIPATED. INFORMATION PROVIDED TO COORDINATE SHUT-OFF IF REQUIRED DUE TO FIELD CONDITIONS.

LEGEND

STORM DRAIN CONSTRUCTION

1126 WATER VALVE NO.

NOTE
USE MECHANICAL JOINT RESTRAINTS INSTEAD OF THRUST BLOCKING ON ALL JOINTS. RESTRAINED LENGTHS ARE TO BE CALCULATED BY AN ENGINEER IF WATERLINE LOWERINGS ARE REQUIRED.

TYPICAL WATERLINE LOWERING AT STORM DRAIN CROSSING

NOT TO SCALE

RECORD DRAWING
Date JAN 1998

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AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR ACCEPTANCE — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

NO.	DATE	REVISIONS REMARKS	BY

LEEDSHILL-HERKENHOFF, INC.
DESIGNED BY C DODGE — DATE NOV 1996
DRAWN BY M JENSEN — DATE NOV 1996
CHECKED BY C DODGE — DATE NOV 1996

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

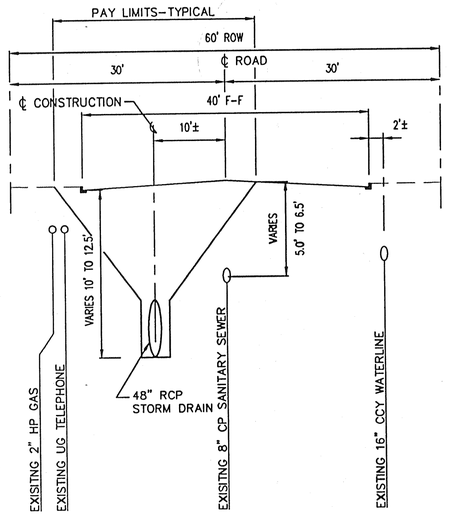
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: DIVERSE DRAINAGE IMPROVEMENTS
LOMAS AND NAKOMIS STORM DRAIN
WATER SHUT-OFF PLAN

Design Review Committee: APPROVED JUN 19 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED JUN 19 1997 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 4880.92 | Zone Map No. J-K22 | Sheet 23 Of 24

100L/94036_16/DWG/C/H200FF/6-5-97/BGC

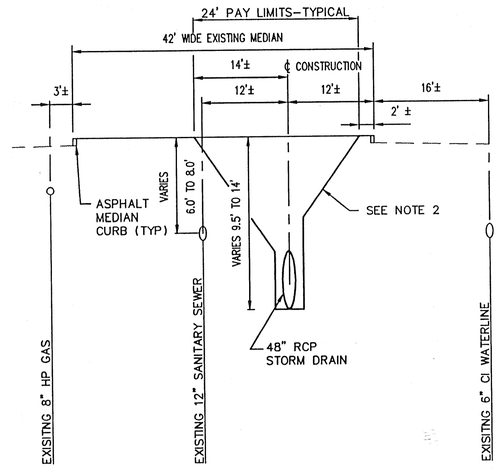


NOTE: 1 FOR ILLUSTRATION PURPOSES ONLY
2 EXCAVATE TRENCH IN ACCORDANCE WITH OSHA CRITERIA

TYPICAL TRENCH PRISM NAKOMIS DRIVE

1 — 7 8 — 24

NOT TO SCALE

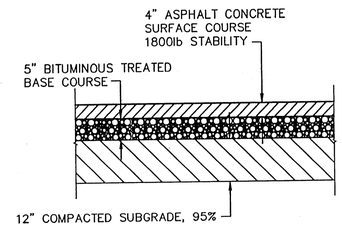


NOTES: 1 FOR ILLUSTRATION PURPOSES ONLY
2 EXCAVATE TRENCH IN ACCORDANCE WITH OSHA CRITERIA
3 PROVIDE SHORING OR TRENCH PROTECTION TO PROTECT EXISTING AC CURB ON LOMAS AS SHOWN. DAMAGE TO AC CURB OUTSIDE THE CONSTRUCTION PAY LIMITS MUST BE REPAIRED AT CONTRACTORS EXPENSE.

TYPICAL TRENCH PRISM LOMAS BLVD (100' ROW)

2 — 4 5 6 — 24

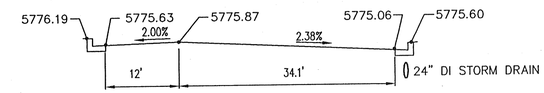
NOT TO SCALE



TYPICAL PAVEMENT SECTION – LOMAS BLVD

3 — 10 — 24

NOT TO SCALE

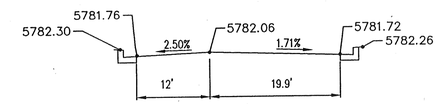


STA 1+68

LOMAS, EAST OF TRAMWAY SECTION

4 — 8 — 24

SCALE: 1" = 10' HORIZ
1" = 5' VERT

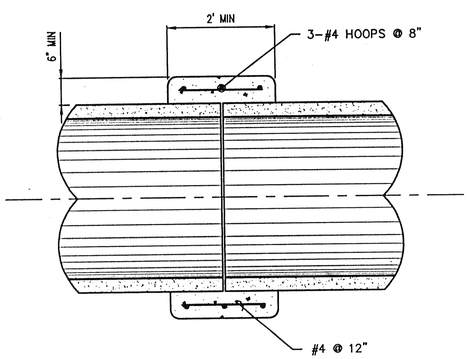


STA 2+78

LOMAS, EAST OF TRAMWAY SECTION

5 — 8 — 24

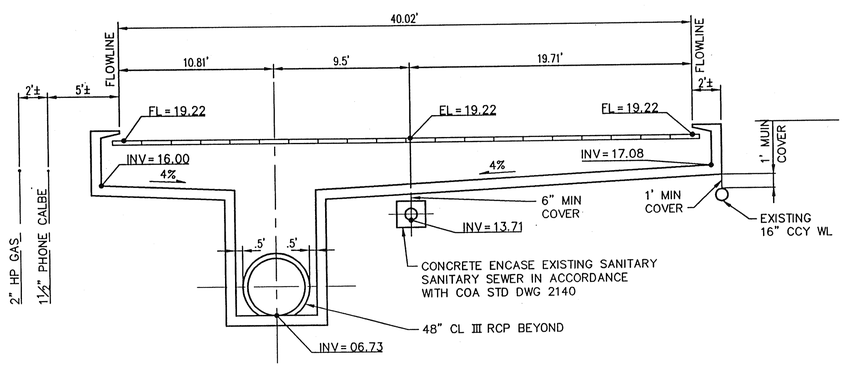
SCALE: 1" = 10' HORIZ
1" = 5' VERT



FIELD STORM DRAIN CONNECTION

6 — 18 — 24

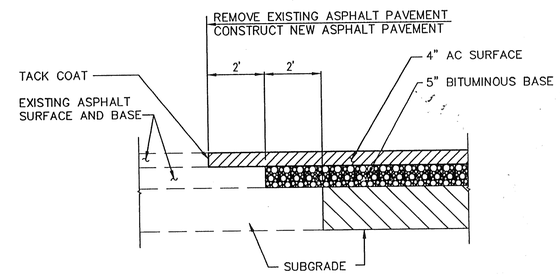
SCALE: ¾" = 1'–0"



CATTLE GUARD INLET SECTION

7 — 7 — 24

1" = 5' HORIZ
1" = 5' VERT



TYPICAL PAVEMENT CONNECTION DETAIL

8 — 8 — 24

NOT TO SCALE

RECORD DRAWING
Date JAN 1998
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NO.	BY	DATE

ENGINEER'S SEAL

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		REVISIONS	

LEEDSHILL–HERKENHOFF, INC. DATE JAN 1997
DESIGNED BY TM DATE JAN 1997
DRAWN BY FKP DATE JAN 1997
CHECKED BY – DATE JAN 1997

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Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

City Project No. 4880.92 | Zone Map No. – | Sheet 24 Of 24

10/94036_31/DWG/C/LOMDET/6-5-97/BGC