

LEGEND

MATERIALS

CONCRETE

RIP-RAP

LINES

SUBDIVISION BOUNDARY

PROPERTY LINE (PLAN)

PROPERTY LINE (SECTION)

CENTERLINE

EASEMENT LINE

MATCH LINE

SECTION CUT LINE

EARTHWORK

CONTOUR LINE

SPOT ELEVATION

PROJECT / PHASE BOUNDARY

SWALE

DIRECTION OF FLOW

MISCELLANEOUS UTILITIES

GAS LINE

UNDERGROUND TELEPHONE

UNDERGROUND ELECTRICAL

STORM DRAIN

STORM DRAIN MANHOLE

STORM DRAIN INLET

SANITARY SEWER

SANITARY SEWER LINE

SANITARY SEWER MANHOLE

SAS SERVICE CONNECTIONS

SAS CAP OR PLUG

ENCASEMENT

WATER

WATER LINE

WATER SERVICE CONNECTIONS

GATE VALVE

FIRE HYDRANT

BUTTERFLY VALVE

REDUCER

WATER PRESSURE ZONE BOUNDARY

WATER FITTINGS

CAPS AND PLUGS

ELBOW

CROSS

TEE

MISCELLANEOUS

CHAINLINK FENCE

FIELD FENCE

COMMON YARD WALL

RETAINING WALL

POWER OR TELEPHONE POLE

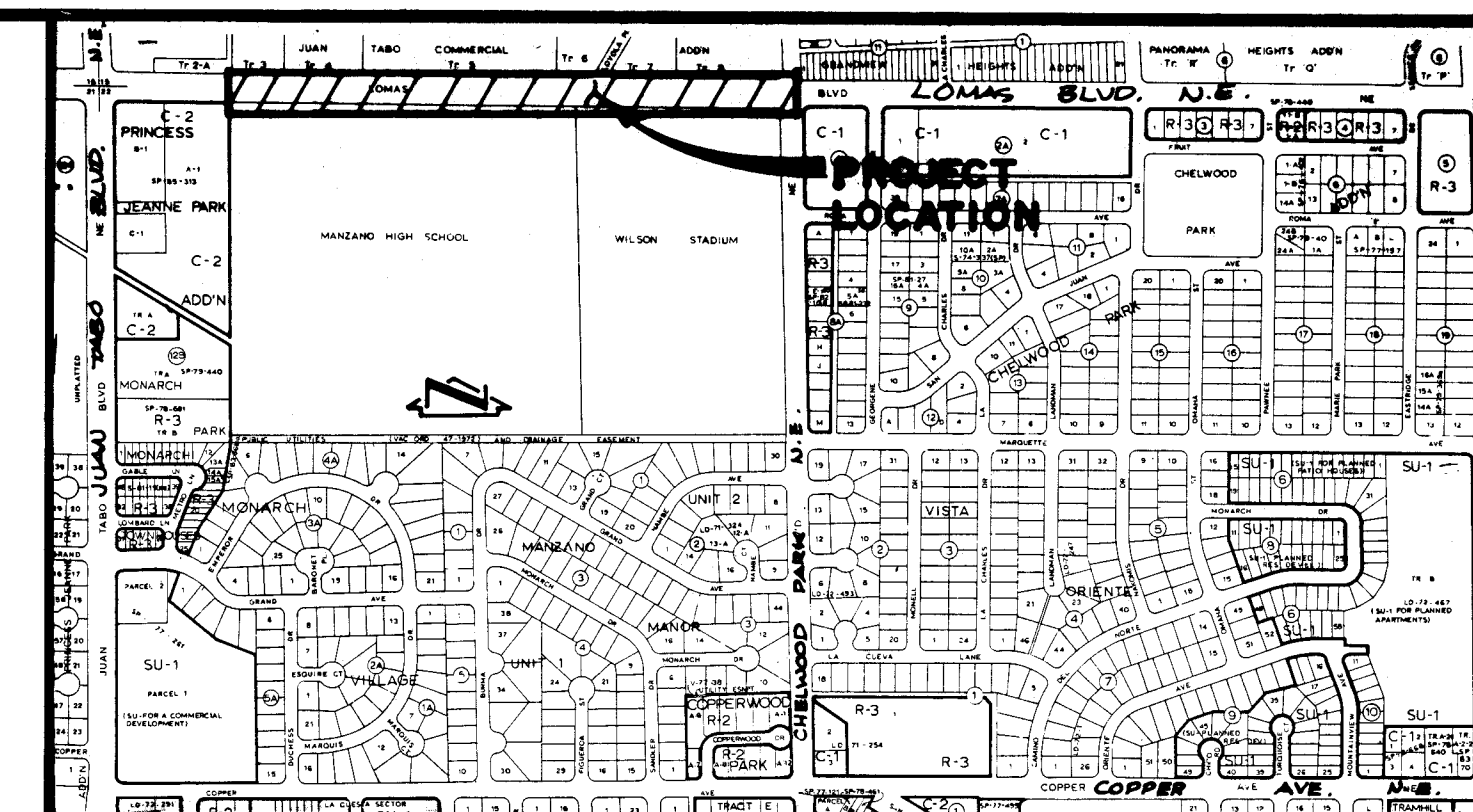
PHASES I & II CONSTRUCTION PLANS for

MANZANO HIGH SCHOOL / LOMAS BOULEVARD N.E.

STREET IMPROVEMENTS

ALBUQUERQUE, NEW MEXICO

JUNE, 1991



VICINITY MAP
SCALE: 1" = 800'

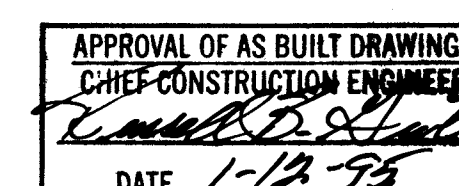
K-22

GENERAL NOTES:

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS - PUBLIC WORKS CONSTRUCTION - 1986.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- CONTRACTOR SHALL COMPLY WITH SECTION 19 OF THE "STANDARD SPECIFICATIONS".
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED DURING CONSTRUCTION BY THE PROJECT ENGINEER.
- SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- IF CURB IS DEPRESSED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEM DIVISION FOR THE EXECUTION OF THE VALVE SHUT OFF PLAN, NOT LESS THAN THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. ONLY WATER SYSTEM DIVISION PERSONNEL SHALL OPERATE EXISTING VALVES. REFER TO SECTION 18 OF THE SPECIFICATION.
- 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 ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION 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 SPECIFICATIONS.
- 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 OCCUPANCY AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE STANDARD SPECIFICATION FOR TRAFFIC CONTROL. REFER TO SECTION 19 OF THE SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.

INDEX OF DRAWINGS

SHEET	DESCRIPTION
1.	COVER SHEET, VICINITY MAP, LEGEND, GENERAL NOTES & INDEX OF DRAWINGS
2.	PHASING PLAN
3.	STREET IMPROVEMENTS PLAN AND PROFILE STA. 10+00 TO STA. 21+50
4.	STREET IMPROVEMENTS PLAN AND PROFILE STA. 21+50 TO STA. 26+61
5.	SECTIONS & DETAILS
6.	WATER VALVE SHUTOFF PLAN & FIRE HYDRANT RELOCATION
7.	TRAFFIC CONTROL DETAILS
8.	FENCING PLAN
9.	SIGNALIZATION AND STRIPING IMPROVEMENTS
10.	TRAFFIC SIGNAL DETAILS



REV	1,2,3,8	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
1	1,2,3,8	4-8-92	City Engineer	4-07-92	N/A	
APPROVAL OF REVISIONS						

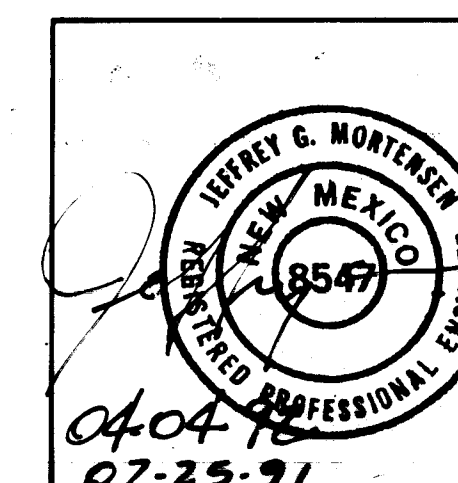
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CAUTION:

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

SCANNED BY
BY LAGN

20947



JEFF MORTENSEN & ASSOCIATES, INC.
6018-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, N.M. 87109
ENGINEERS (505) 345-4250

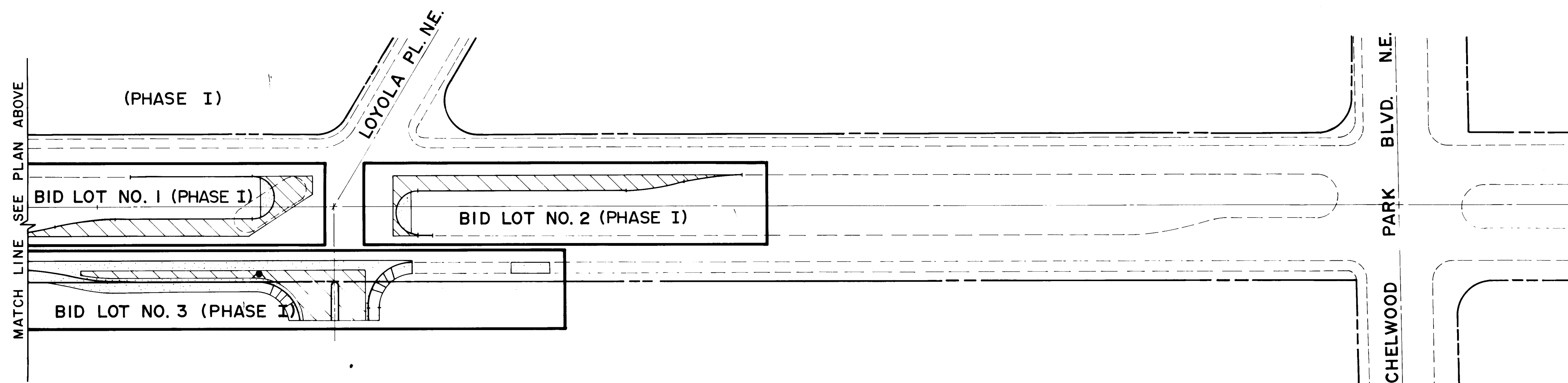
APPROVED FOR CONSTRUCTION

4-16-92

PROJECT NO
4250.90

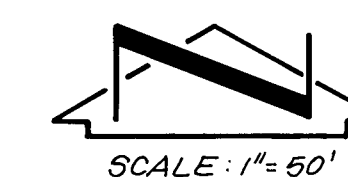
SHEET 1 OF 10

20947



LOMAS BLVD. N.E.

CONSISTS OF MEDIAN FENCING - REFER TO SHEET 8 FOR FENCING LIMITS.



1	2	3	4	5	6	7	8	9	10	11	12	13	14
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20947

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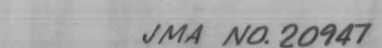
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: MANZANO HIGH SCHOOL / LOMAS BLVD. N.E.

PHASING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chairman	<i>[Signature]</i>	8-2-91	Water	<i>[Signature]</i>	8-6-91
Transportation	<i>[Signature]</i>	8-06-91	Waste Water	<i>[Signature]</i>	"
Hydrology	<i>[Signature]</i>	8-06-91	Traffic	N/A	

PROJECT NO.	4250.90	MAP NO.	K-22	SHEET	2	OF	10
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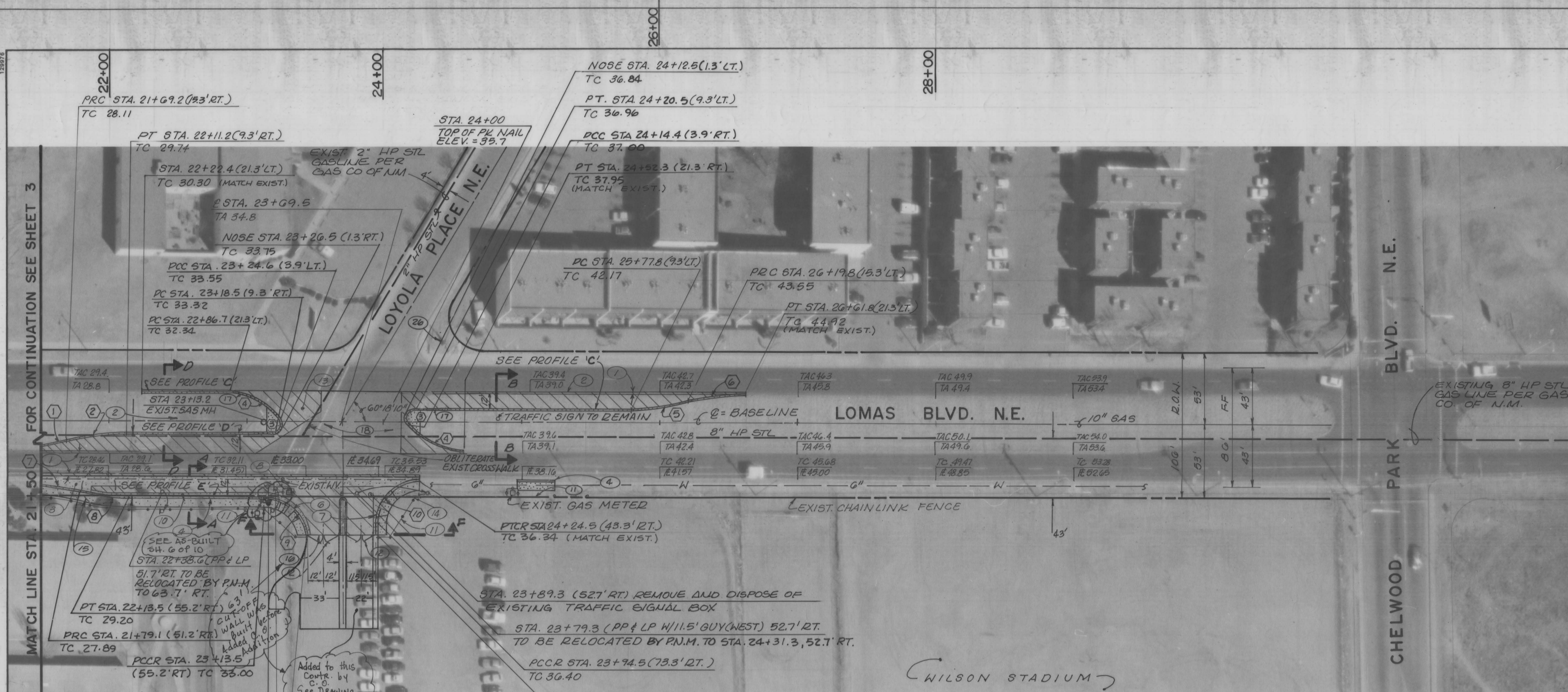
- KEYED NOTES:

- CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
DRC CHAIRMAN	<i>[Signature]</i>	8-2-91	WATER	<i>[Signature]</i>
TRANSPORTATION	<i>[Signature]</i>	8-06-91	WASTE WATER	<i>[Signature]</i>
HYDROLOGY	<i>[Signature]</i>	8-06-91	TRAFFIC	N/A

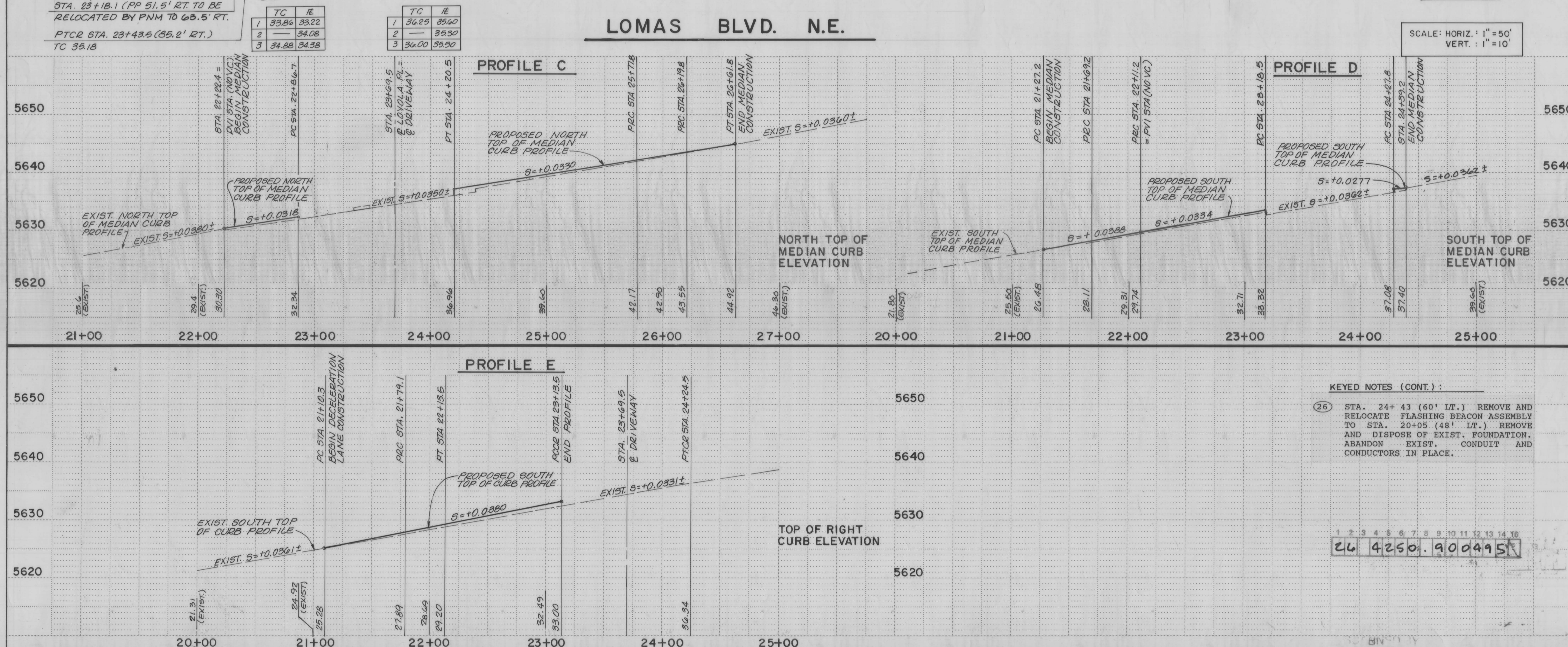
PROJECT NO.	4250.90	MAP NO.	K-22	SHEET	3	OF
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ENGINEER'S SEAL						SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
						FIELD NOTES		A SQUARE, CHISELED ON TOP OF CONCRETE CURB AT THE NW/CURB RETURN. LOCATED AT THE INTERSECTION OF LOMAS BLVD N.E. AND LONOLA PL. N.E., IN THE N.W. QUADRANT OF THE INTERSECTION.		CONTRACTOR	
						NO. BY DATE				WORKED BY INSPECTOR'S ACCEPTANCE BY FIELD VERIFICATION BY DRAWINGS CORRECTED BY	
				JGM	BY	N/A	JMA	02/90			RECORDED BY NO.
						DESIGN REVISED		DATE 07/90 - 07/91		MICRO-FILM INFORMATION	
								DATE 07/90			
								DATE 07/91			
								DATE 07/91			
ADD PHASE III WORK REMARKS						DESIGNED BY SCF / JPK		DATE 07/90 - 07/91			
NO. DATE						DRAWN BY MJT		DATE 07/90			
CHECKED BY JGM						DATE 07/91		DATE 07/91			
PROQUE RTMENT OUP MAS BLVD. N.E. AN & PROFILE . 21 + 50.00						WALS ENGINEER DATE ATER <i>[Signature]</i> 04-29/ N/A " "					
SHEET 3 OF 10											



CURB CURVE DATA			
CURVE	DELTA	R	L
1	16°15'37"	150.00'	42.57'
2	16°15'37"	150.00'	42.57'
3	130°43'00"	8.00'	18.25'
4	49°17'00"	50.00'	43.01'
5	16°15'37"	150.00'	42.57'
6	16°15'37"	150.00'	42.57'
7	13°15'42"	300.00'	69.44'
8	13°15'42"	150.00'	34.72'
9	90°00'00"	30.00'	47.12'
10	90°00'00"	30.00'	47.12'

- STREET PAVING IMPROVEMENTS**
- ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON BASELINE STATIONING UNLESS OTHERWISE NOTED.
 - WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
 - ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE OF CURB.
 - WHERE WATER METER BOXES ARE ENCOUNTERED WITHIN THE PROPOSED PROJECT AREA, THE WATER METER BOXES SHALL BE RELOCATED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD DRAWING 2460.
 - ALL WATER VALVE BOXES, WATER METER BOXES AND MANHOLES ENCOUNTERED WITHIN THE PROPOSED PROJECT AREA SHALL BE ADJUSTED TO FINISH GRADE.
 - ALL NEW PAVEMENT MARKINGS WILL BE REQUIRED TO BE COMPLETED BY THE CONTRACTOR.
 - CONTRACTOR SHALL RESTORE ANY TRAFFIC CONTROL DEVICE AND CONDUIT IF DAMAGED BY CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, THEREFORE, NO SEPARATE PAYMENT SHALL BE MADE.
- KEYED NOTES:**
- NEATLY SAWCUT, REMOVE & DISPOSE OF EXISTING ARTERIAL PAVING (1'-0" MIN. WIDTH). REPLACE PER TYPICAL PAVING SECTION E-E, SHEET 5.
 - REMOVE & DISPOSE OF EXISTING MEDIAN CURB.
 - REMOVE & DISPOSE OF EXISTING CURB & GUTTER AND SIDEWALK. CONSTRUCT NEW DECELERATION LANE AS PER SECTION A-A, SHEET 5. GUTTER SECTION SHALL BE DEPRESSED THROUGHOUT DECEL LANE.
 - NEATLY SAWCUT, REMOVE & DISPOSE OF EXISTING DRIVEPAD. CONSTRUCT STANDARD CURB & GUTTER AS PER C.O.A. STD. DWG. 2415 AND CONSTRUCT 6" CONCRETE SIDEWALK PER C.O.A. STD. DWG. 2430 TO MATCH EXISTING.
 - CONSTRUCT PRIVATE ENTRANCE RETURNS PER C.O.A. STD. DWG. 2426.
 - CONSTRUCT WHEELCHAIR RAMPS PER C.O.A. STD. DWG. 2441 (CASE 1).
 - EXISTING GAS METER & CHAINLINK FENCE TO BE RELOCATED BY GAS COMPANY OF NEW MEXICO.
 - REMOVE & DISPOSE OF EXISTING CHAINLINK FENCE.
 - INSTALL NEW 5' CHAINLINK FENCE PER C.O.A. STD. DWG. 2252 TO MATCH EXISTING.
 - INSTALL 2 - 12" WIDE X 5' HIGH DOUBLE LEAF CHAINLINK GATES PER C.O.A. STD. DWG. 2252.
 - REMOVE & DISPOSE OF EXISTING MEDIAN & MEDIAN CURB.
 - CONNECT TO EXISTING CHAINLINK FENCE.
 - SEE DETAIL 5.
 - INSTALL CONCRETE CUT-OFF WALL PER C.O.A. STD. DWG. 2415.
 - INSTALL MEDIAN CURB & GUTTER PER C.O.A. STD. DWG. 2415.
 - CONSTRUCT INTERSECTION PER C.O.A. STD. DWG. 2503. CONSTRUCT MEDIAN PAVING AND CURB AND GUTTER PER C.O.A. STD. DWGS. 2502, 2408, & 2415.

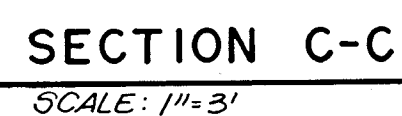
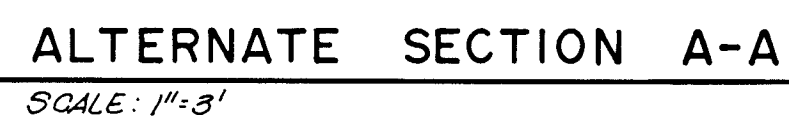
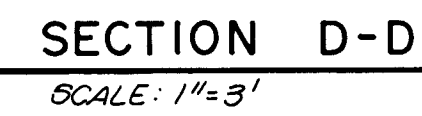
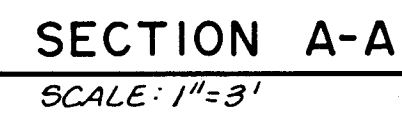


KEYED NOTES (CONT.):

26 STA. 24+43 (60' LT.) REMOVE AND RELOCATE FLASHING BEACON ASSEMBLY TO STA. 20+05 (48' LT.) REMOVE AND DISPOSE OF EXIST. FOUNDATION. ABANDON EXIST. CONDUIT AND CONDUITORS IN PLACE.

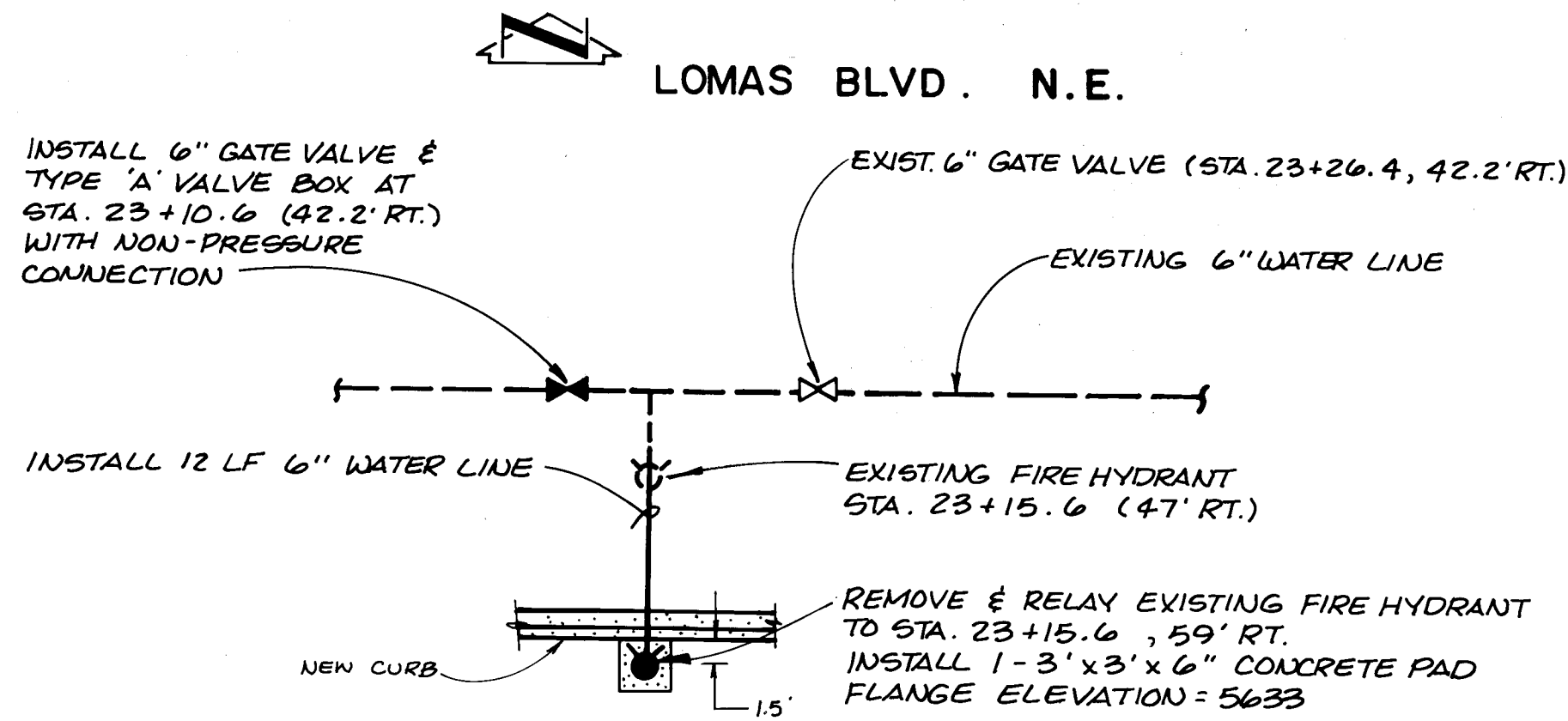
SURVEY INFORMATION			
NO.	DATE	BY	REMARKS
1	02/90	JMA	
2			
3			
4			
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15			
16			
17			
18			

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: MANZANO HIGH SCHOOL / LOMAS BLVD. N.E. STREET IMPROVEMENTS PLAN & PROFILE STA. 21+50.00 TO STA. 26+61.08			
APPROVALS	ENGINEER	DATE	APPROVALS
DRC CHAIRMAN	8-2-91	WATER	8-6-91
TRANSPORTATION	8-06-91	WASTE WATER	
HYDROLOGY	8-06-91	TRAFFIC	N/A
PROJECT NO.	4250.90	MAP NO.	K-22
SHEET	4	OF	10

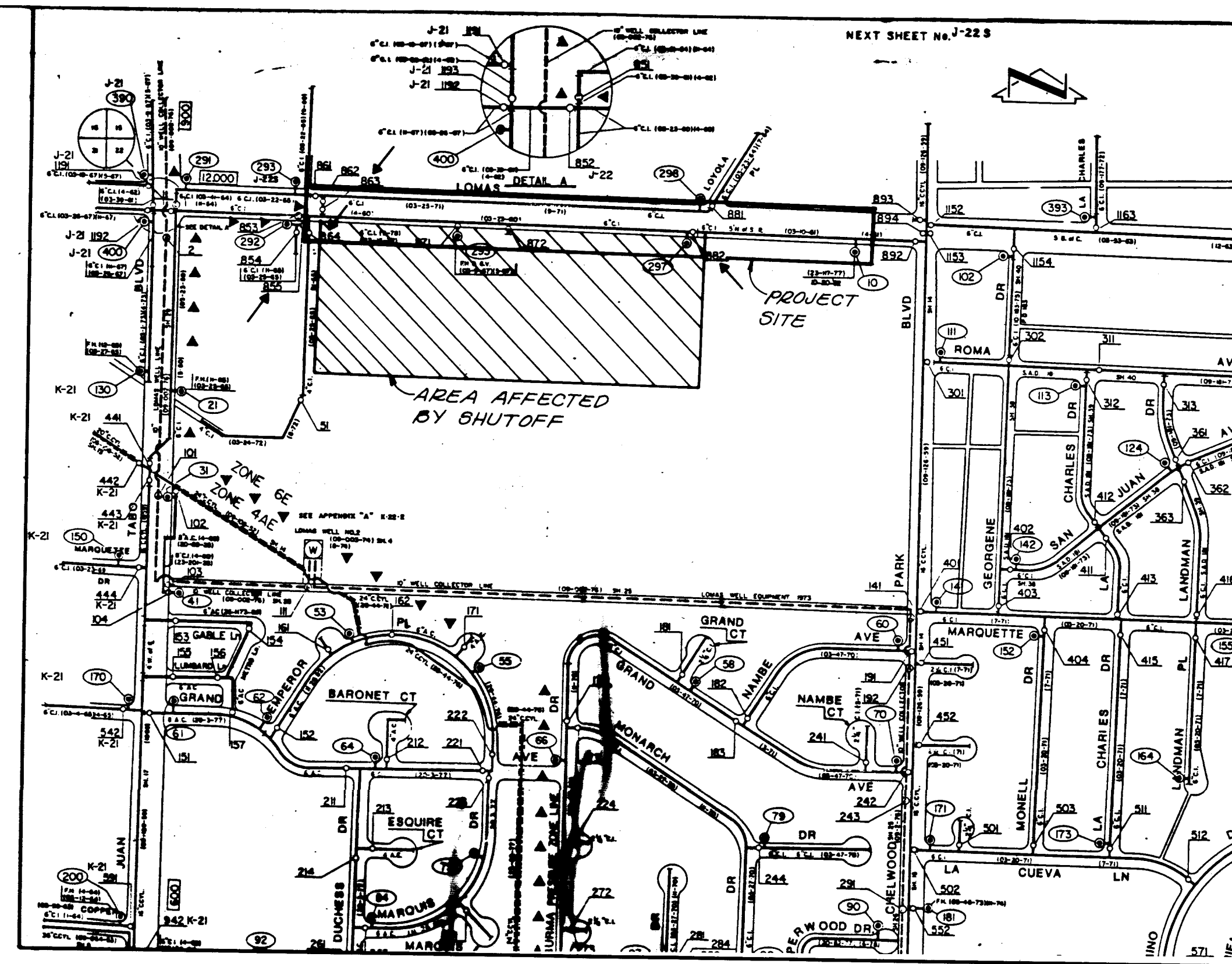
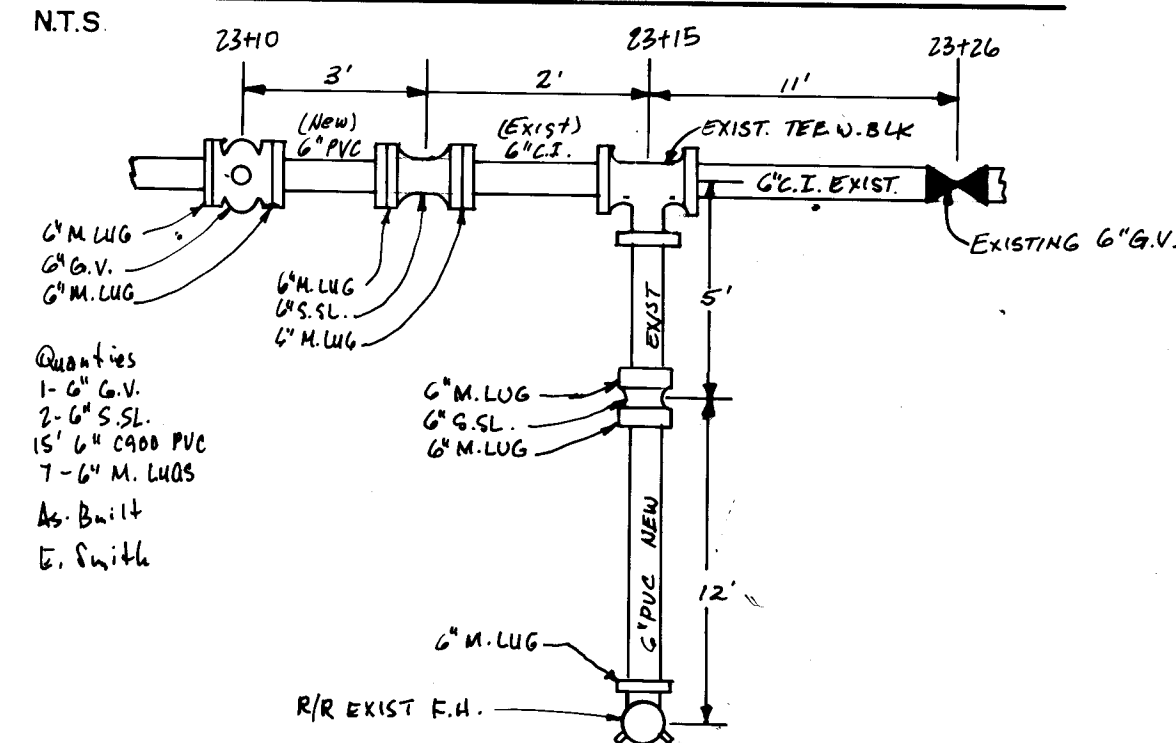


1. ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON BASELINE STATIONING UNLESS OTHERWISE NOTED.
2. WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALKS OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
3. ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE OF CURB.
4. WHERE WATER METER BOXES ARE ENCOUNTERED WITHIN THE PROPOSED PROJECT AREA, THE WATER METER BOXES SHALL BE RELOCATED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD DRAWING 2460.
5. ALL WATER VALVE BOXES, WATER METER BOXES AND MANHOLES ENCOUNTERED WITHIN THE PROPOSED PROJECT AREA SHALL BE ADJUSTED TO FINISH GRADE.
6. ALL NEW PAVEMENT MARKINGS WILL BE REQUIRED TO BE COMPLETED BY THE CONTRACTOR.
7. CONTRACTOR SHALL RESTORE ANY TRAFFIC CONTROL DEVICE AND CONDUIT IF DAMAGED BY CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, THEREFORE, NO SEPARATE PAYMENT SHALL BE MADE.

PROJECT NO.	4250.90	MAP NO.	K-22	SHEET	5	OF	10
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FIRE HYDRANT RELOCATION DETAIL



MANZANO HIGH SCHOOL VALVE SHUTOFF PLAN

SCALE: 1" = 400' (APPROX.)

MANZANO HIGH SCHOOL VALVE SHUTOFF PLAN

- AS A MINIMUM, THE FOLLOWING VALVES SHALL BE CLOSED TO EFFECT THE RESPECTIVE SHUTOFFS:
 - SHUTOFF #1 (REMOVING & RELAYING FIRE HYDRANT NO. 297 ON LOMAS BLVD. N.E.); VALVES 855, 863, 864 & 882.
- THE CONTRACTOR SHALL NOTIFY WATER SYSTEMS, THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING WATERLINE; ALL SHUTOFFS SHALL BE PERFORMED BY THE WATER SYSTEM DIVISION PERSONNEL.
- THE CONTRACTOR SHALL PROVIDE ALL RESTRAINTS AND THRUST BLOCKS NECESSARY TO EFFECT THE NECESSARY SHUTOFFS AND CONNECTIONS.
- EXISTING WATER VALVE AND WATERLINE INFORMATION OBTAINED FROM CITY OF ALBUQUERQUE WATER SECTION MAP K-22N.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 4250.90 900695

SCANNED BY
BY LASON

JHA NO. 20947

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: MANZANO HIGH SCHOOL / LOMAS BLVD. N.E. WATER VALVE SHUTOFF PLAN AND FIRE HYDRANT RELOCATION					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>R. J. [Signature]</i>	8-12-91	WATER	<i>[Signature]</i>	8-12-91
TRANSPORTATION	<i>[Signature]</i>	8-26-91	WASTE WATER	<i>[Signature]</i>	8-26-91
HYDROLOGY	<i>[Signature]</i>	8-26-91	TRAFFIC	<i>[Signature]</i>	8-26-91
PROJECT NO.	4250.90	MAP NO.	K-22	SHEET	6 OF 10

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	BY	DATE	CONTRACTOR	DATE
		N/A		WORK	DATE
				INSPECTOR'S	DATE
				ACCIDENT BY	DATE
				RELOCATION BY	DATE
				REVISIONS	DATE
				NO. OF	DATE
				RECORDS	DATE
				NO.	DATE



07-25-91

TYPICAL RIGHT LANE CLOSURE

TYPICAL LEFT LANE CLOSURE

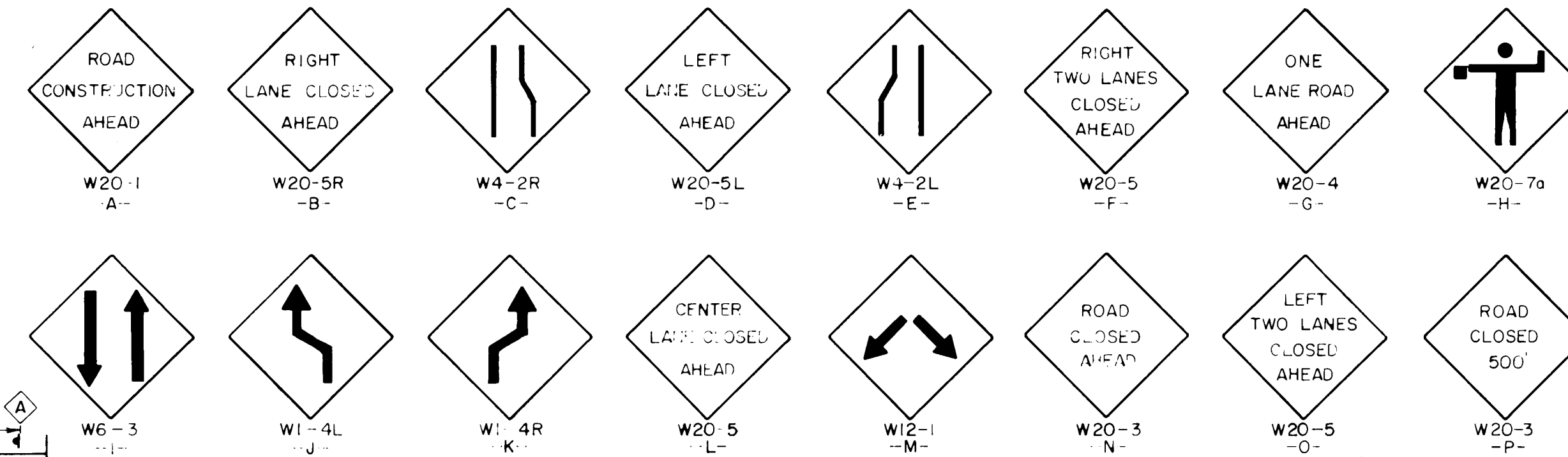
TYPICAL MULTI-LANE CLOSURE

TYPICAL FLAGGING OPERATION

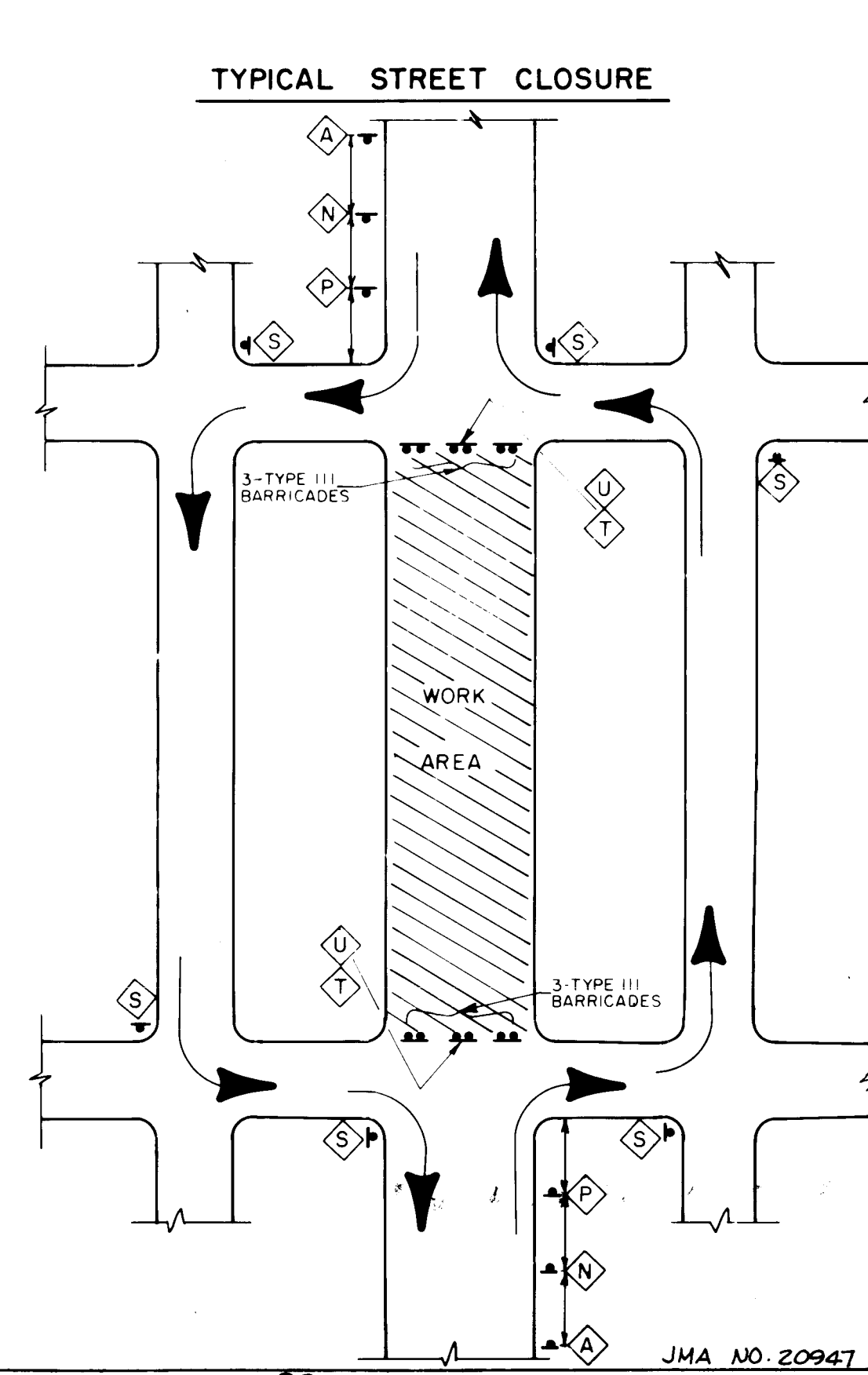
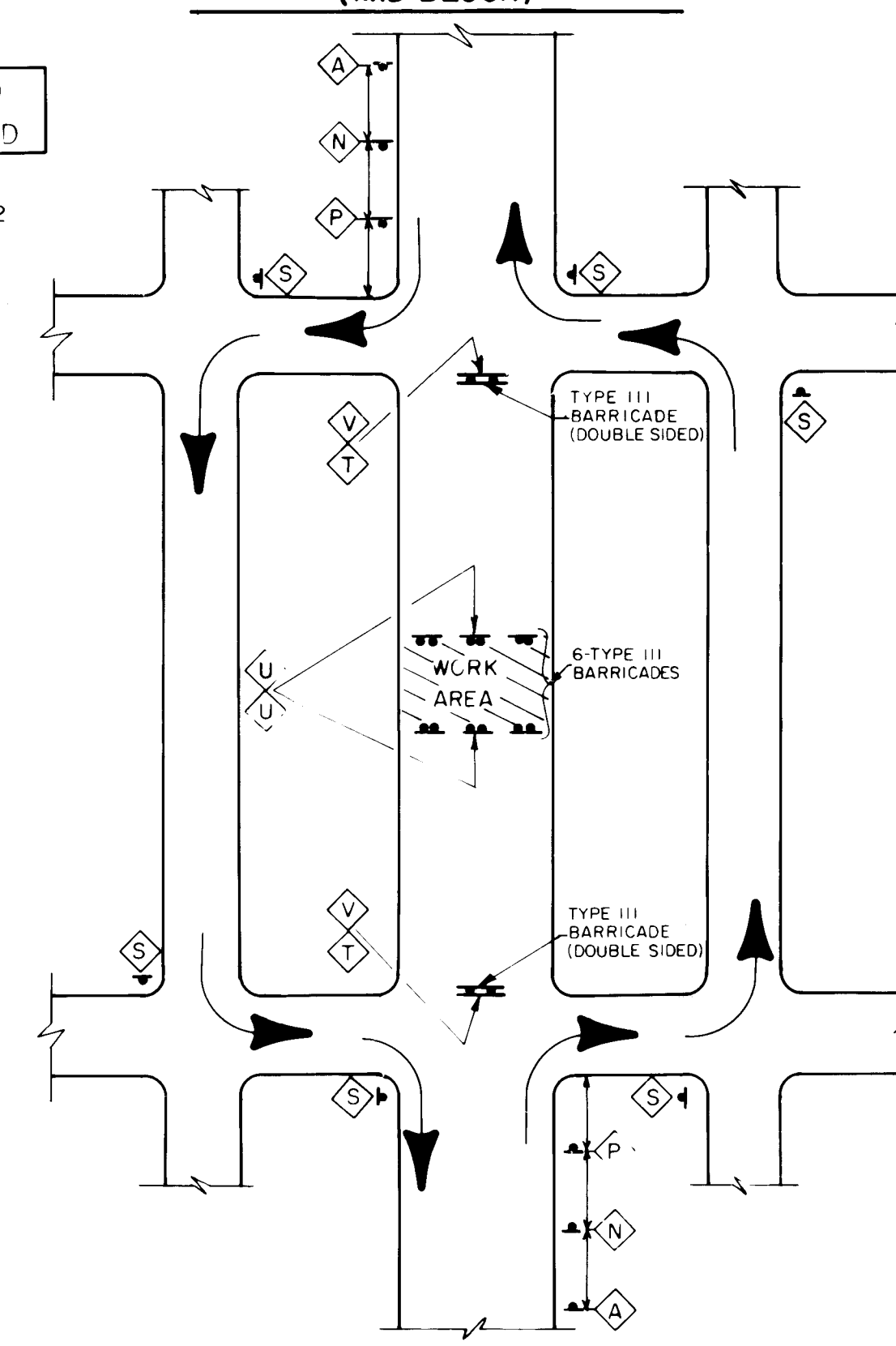
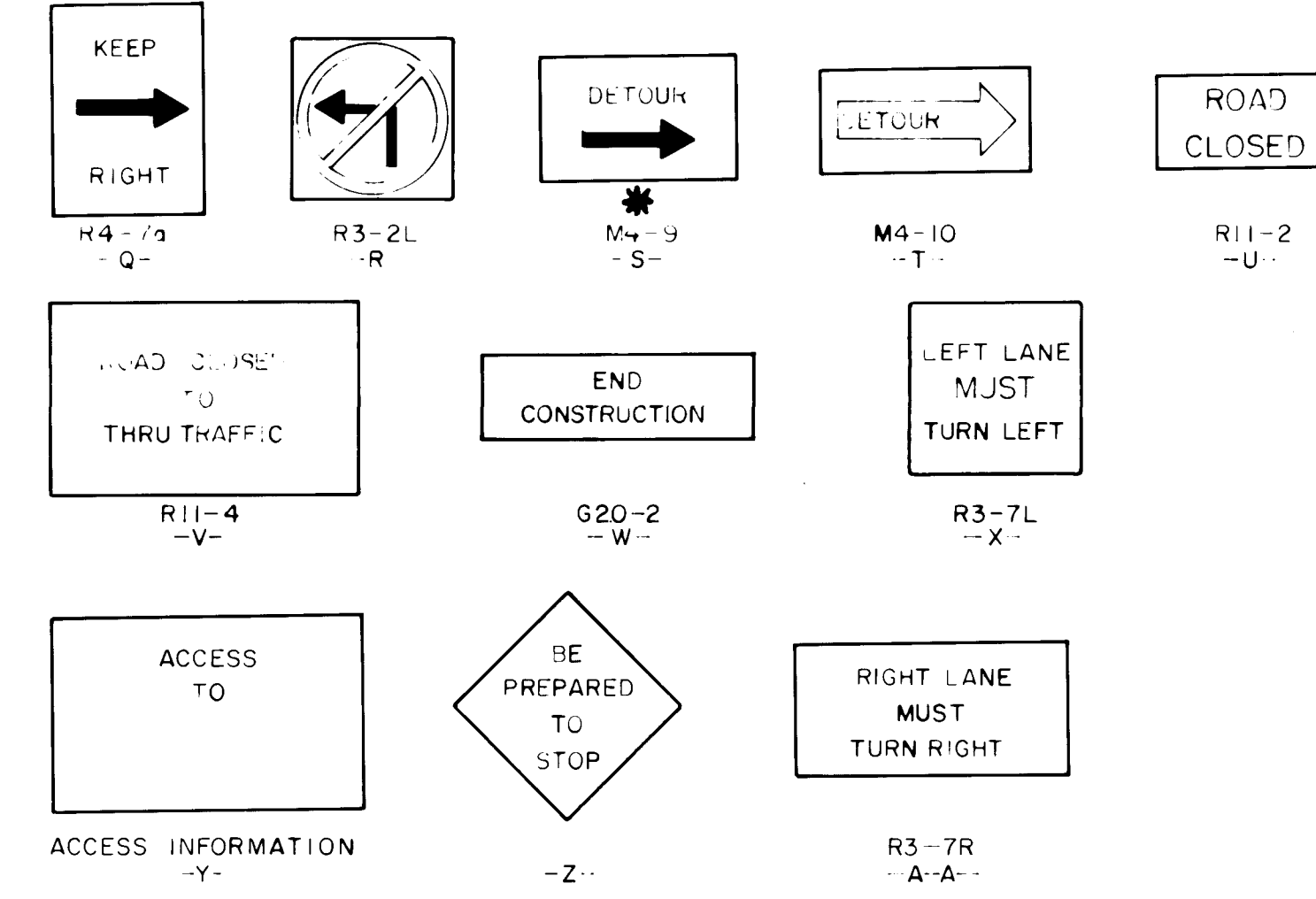
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)

TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

TYPICAL CENTER LANE CLOSURE



-0- -p-
**TYPICAL STREET CLOSURE
(MID BLOCK)**



LEGEND

- | WORK AREA | |
|---|---|
|  | BARRICADE SIGN & QUANTITY (See this sheet for designation) |
| • | BARRICADE - TYPE I, TYPE II, OR BARREL |
|  | BARRICADE - TYPE III |
| x | VERTICAL PANEL |
|  | WARNING SIGN |
| L | DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE TEN TIMES THE SPEED LIMIT OF THE STREET |
|  | FLAGMAN POSITION |
| S | SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED OF THE STREET |
| | TAPER LENGTH - SEE CHART BELOW |
| | TANGENT LENGTH - IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET |

NOTES

ALL ADVANCE WARNING SIGNS ARE
TO BE DOUBLE INDICATED WHEN-
EVER MEDIANS ARE PRESENT.

TRANSFORMATION FROM EXISTING
SIGNALS TO SPAN WIRE IS TO OCCUR
AT OFF PEAK HOURS.

NO. R. I. M.		ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
ED				FIELD NOTES					
				NO.	BY	DATE			
					N/A		A SQUARE, 12", CHISELED ON TOP OF CONCRETE CURB AT THE WNW CURB RETURN. LOCATED AT THE INTERSECTION OF LOMAS BLVD. N.E. AND LONOLA PL. N.E. IN THE NW QUADRANT OF THE INTERSECTION.		DATE
REVISIONS				CORRECTED BY DATE					
DESIGN				MICRO-FILM INFORMATION					
DESIGNED BY C.O.A.				RECORDED BY DATE					
DRAWN BY C.O.A.				NO					
CHECKED BY C.O.A.									

SPEED LIMIT (MPH)	TAPER LENGTH (FEET)			MAXIMUM DISTANCE BETWEEN DEVICES (FEET)	MINIMUM NUMBER OF DEVICES REQUIRED
	10' LANE	11' LANE	12' LANE		
25	104	115	125	25	6
30	150	165	185	30	7
35	204	225	245	35	8
40	267	293	320	40	9
45	450	495	540	45	13
50	500	550	600	50	13
55	550	605	660	55	13

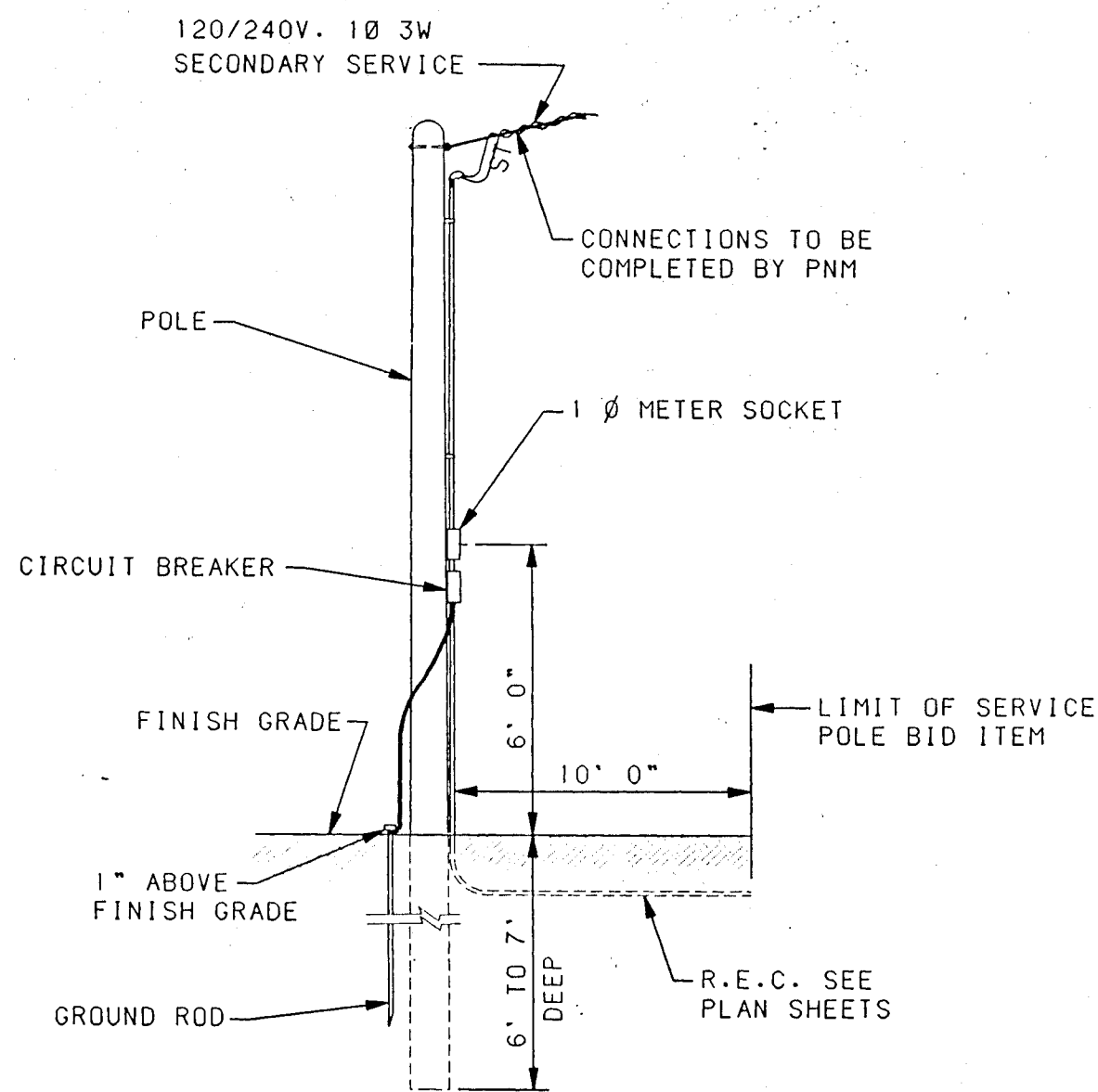
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
26		42	50		90	07	95							

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: MANZANO HIGH SCHOOL / LOMAS BLVD. N.E.
TRAFFIC CONTROL DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
D.R.C. CHAIRMAN	<i>Robert Shaw</i>	8-12-91	WATER	<i>Bill Wain</i>
TRANSPORTATION	<i>Robert Shaw</i>	8-06-91	WASTE WATER	"
HYDROLOGY	<i>H. Alden</i>	8-06-91	TRAFFIC	N/A

PROJECT NO.	4250.90	MAP NO.	K-22	SHEET	7	OF	
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ESTIMATED MATERIAL LIST

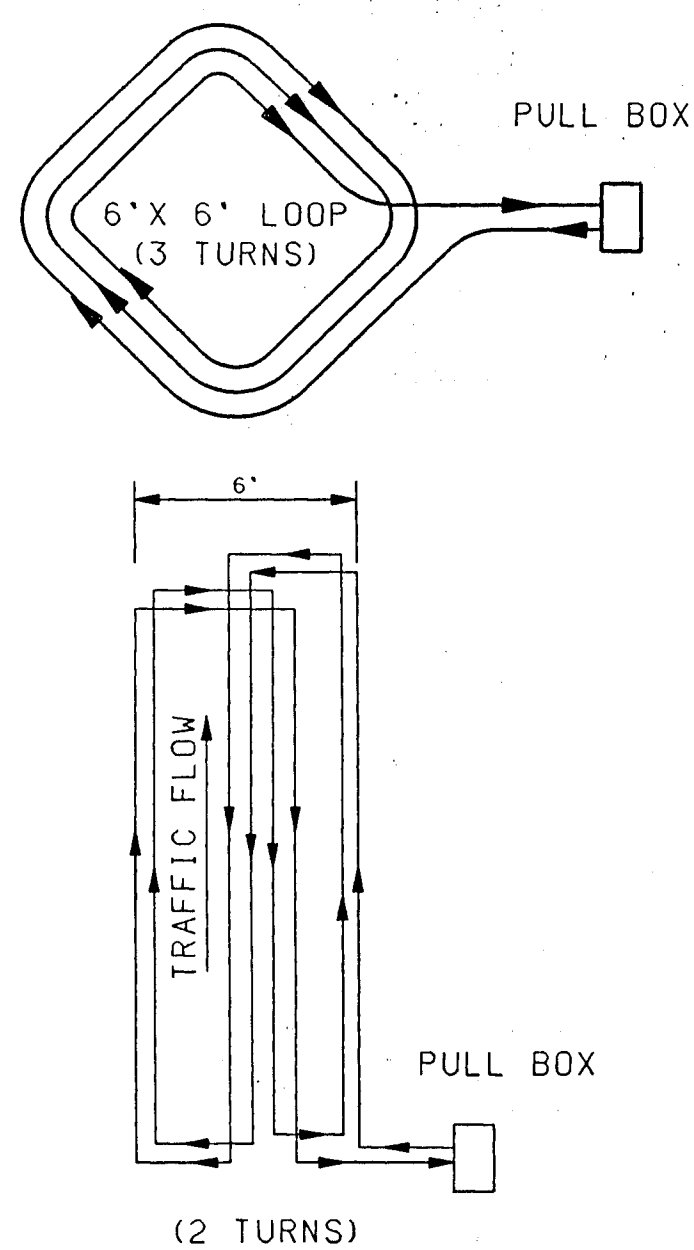
1	25' TREATED POLE
1	1" X 1" G.R.C. NIPPLE
1	SINGLE PHASE METER SOCKET
2	CIRCUIT BREAKERS 50A
	1P IN RAINTIGHT ENCLOSURE (N.E.M.A.3R)
40'	1/C NO. 6 THW BLACK
40'	1/C NO. 6 THW WHITE
40'	1/C NO. 6 THW RED
1	COPPERWELD 3/4" X 10'-0" GROUND ROD
1	GROUND ROD CLAMP
30'	1" GALV. RIGID CONDUIT
1	5/8" EYEBOLT
1	1" WEATHERHEAD
10'	NO. 6 BARE COPPER GROUND WIRE
5'	1/2" GALV. RIGID CONDUIT

TRAFFIC SIGNAL ELECTRICAL SERVICE POLE

(SERVICE POLE - SIGNAL)
NO SCALE

ELECTRICAL SERVICE NOTES

- ALL SIGNAL AND LIGHTING SERVICE DETAILS SHALL BE IN ACCORDANCE WITH THE PNM ELECTRIC SERVICE GUIDE, LATEST EDITION.
- TRAFFIC SIGNAL ELECTRICAL SERVICE PEDESTAL (SERVICE POLE - SIGNAL - FOR UNDERGROUND SERVICE) INCLUDES METER PEDESTAL, UNIVERSAL SUPPORT BRACKETS, AND SINGLE PHASE PEDESTAL METERING.
- PROVIDE ONE 50A, 1P 120V CIRCUIT FOR CONTROLLER SIGNALS AND ONE 50A, 1P CIRCUIT FOR DUPLEX CONVENIENCE OUTLET IN CONTROLLER. (USE A 15A FUSE TO PROTECT THIS CIRCUIT.)
- CONDUIT SIZES, FITTINGS AND SERVICE WIRING MAY VARY (SEE PLANS FOR SPECIFIC REQUIREMENTS).

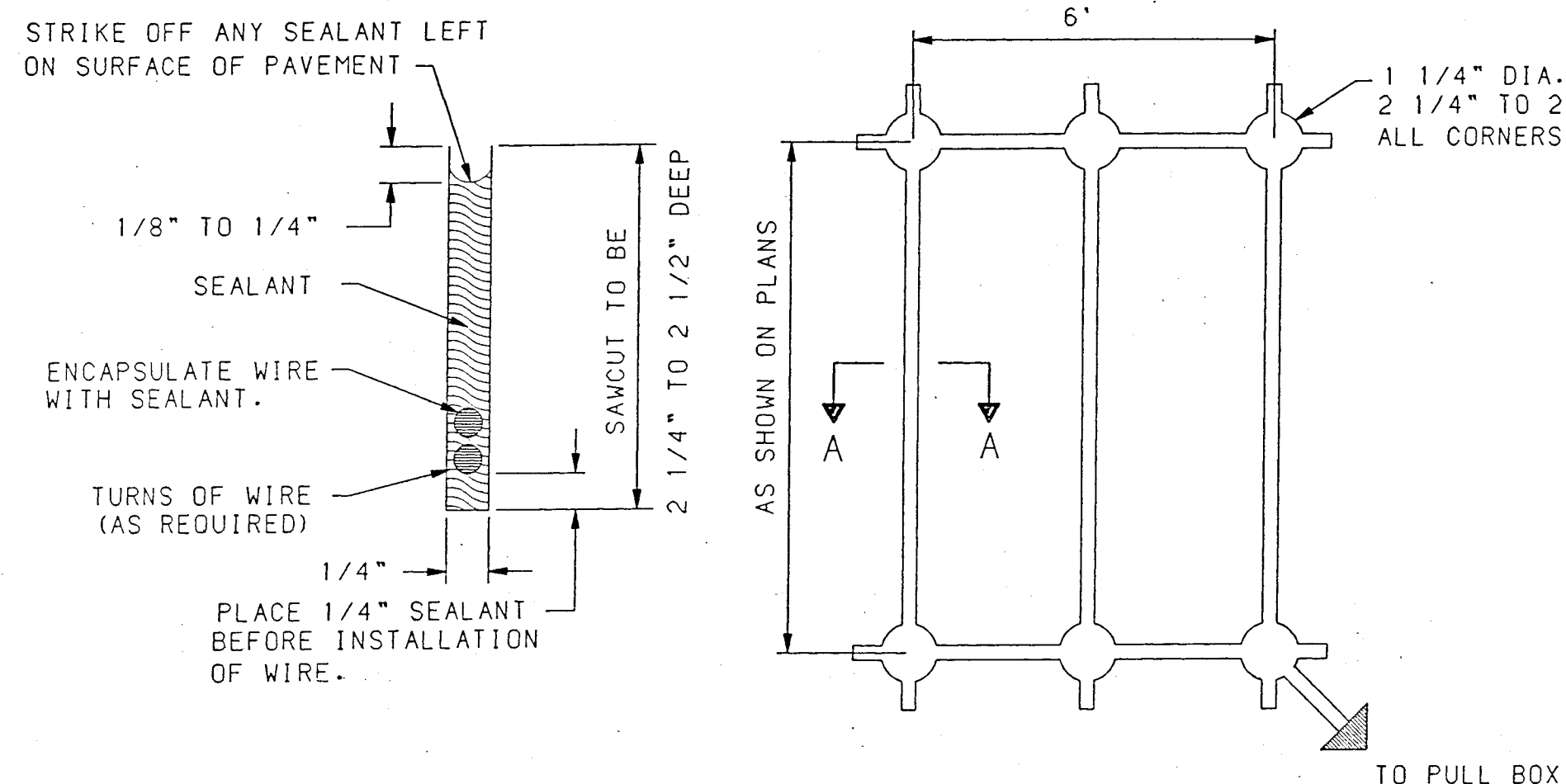


TYPICAL LOOP WIRE PLACEMENT DETAIL

- NOTES: 1. WIRES MUST BE WOUND IN THE DIRECTION SHOWN.
2. ALL 6x30, 6x40, & 6x50 LOOPS HAVE 2 TURNS. ALL 6x6 LOOPS HAVE 3 TURNS.

LOOP DETECTOR NOTES

- ALL LOOP DETECTOR WIRE SHALL BE NO. 14 AWG STRANDED COPPER WIRE WITH CROSSLINKED POLYETHYLENE INSULATION (INDUSTRY TYPE XHHW) CONFORMING TO THE REQUIREMENTS OF I.M.S.A. SPECIFICATIONS NO. 51-3 1984. BACKER ROD SHALL NOT BE USED IN THE INSTALLATION OF LOOP (EXCEPT PIECES LESS THAN 12" WHICH MAY BE PLACED OVER THE WIRE AT THE SAW CUT CORNERS TO HOLD THE WIRE). A 1/4" LAYER OF SEALANT SHALL BE PLACED IN THE SAWCUT BEFORE PLACEMENT OF THE WIRE AND THEN THE WIRE SHALL BE ENCAPSULATED WITH SEALANT. HOT-MELT RUBBERIZED ASPHALT LOOP DETECTOR SEALANT MANUFACTURED BY CRAFTCO SHALL BE AN ACCEPTABLE SEALANT ALTERNATE.
- ALL LOOP LEAD IN CABLES SHALL BE TAGGED AT CABINET TO IDENTIFY EACH CABLE BY LOOP AND AND PHASE NUMBER.
- GROUND LOOP LEAD IN CABLE SHIELDING IN CONTROL CABINET.
- SEPARATE 1" RIGID ELECTRICAL CONDUITS ARE REQUIRED FOR EACH PAIR OF DETECTOR WIRES.



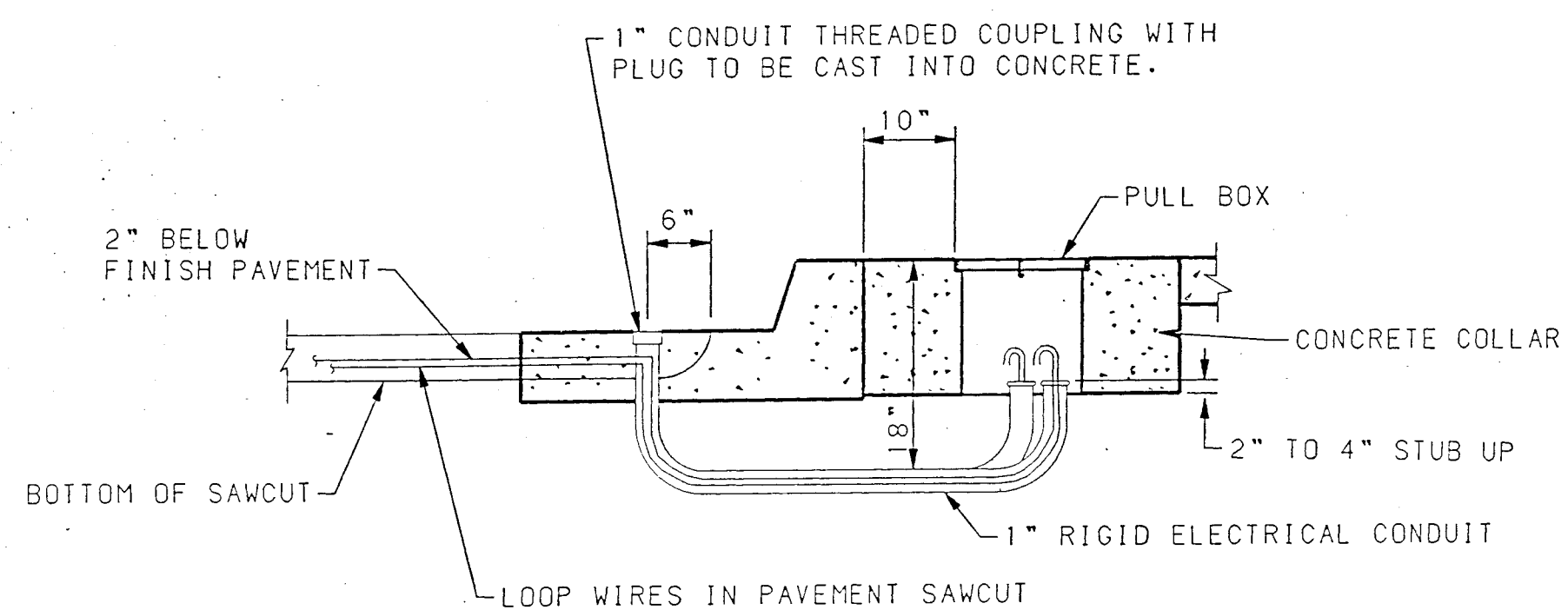
SECTION "A-A"

PLAN VIEW

TYPICAL ROADWAY LOOP SAWCUT DETAIL

1 1/4" DIA. CORE DRILL
2 1/4" TO 2 1/2" DEEP
ALL CORNERS AND JUNCTIONS.

PLAN VIEW



LOOP WIRE TERMINATION DETAILS

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGNED BY		DRAWN BY		CHECKED BY	
CONTRACT NO.	DATE	CONTRACT NO.	DATE	NO.	BY	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
A SQUARE, CHISELED ON TOP OF CONCRETE CURB AT THE WALK CURB RETURN LOCATED AT THE INTERSECTION OF LOMAS BLVD. N.E. AND LOMA PL. N.E. IN THE NW QUADRANT OF THE INTERSECTION					N/A										
MICRO-FILM INFORMATION		RECORDED BY		DATE		NO.		DATE		NO.		DATE		NO.	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE MANZANO HIGH SCHOOL / LOMAS BLVD. N.E.
TRAFFIC SIGNAL DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
ORC CHAIRMAN	Roy J. Ryan	8-12-91	WATER	NOVA	8-25-91
TRANSPORTATION	H. Alday	8-06-91	WASTE WATER	NOVA	"
HYDROLOGY					
TRAFFIC					
PROJECT NO.	4250.90	MAP NO.	K-22	SHEET	10 OF 10

26 4250.901095

JMA NO 20947

SCANNED BY
BY LASOP