

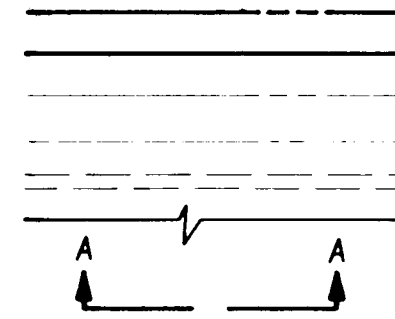
LEGEND

MATERIALS

CONCRETE

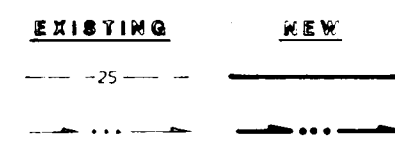
LINE

RIGHT-OF-WAY
PROPERTY LINE (PLAN)
RIGHT-OF-WAY (SECTION)
CENTERLINE
EASEMENT LINE
MATCHLINE
SECTION CUT LINE



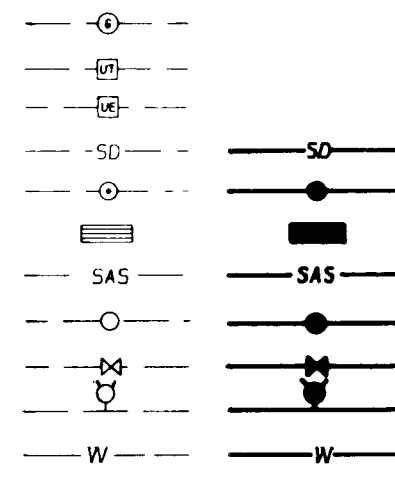
EARTHWORK

EXISTING NEW
CONTOUR LINE
SWALE/DIRECT. OF FLOW



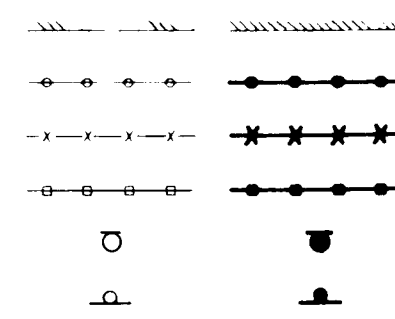
MISCELLANEOUS UTILITIES

GAS LINE
UNDERGROUND TELEPHONE
UNDERGROUND ELECTRICAL
STORM DRAIN
STORM DRAIN MANHOLE
STORM DRAIN INLET
SANITARY LINE
SANITARY MANHOLE
GATE VALVE
FIRE HYDRANT
WATERLINE



MISCELLANEOUS

EDGE OF ASPHALT
CHAINLINK FENCE
FIELD FENCE
YARD/BLOCK WALL
POWER OR TELE. POLE
TRAFFIC SIGN



INTERSECTION IMPROVEMENTS

12TH STREET AT LOMAS BLVD.

SHEET NO.

DESCRIPTION

1 OF 8

COVER SHEET & INDEX OF DRAWINGS

2 OF 8

PAVING IMPROVEMENTS

3 OF 8

WATERLINE INSTALLATION

4 OF 8

STORM DRAINAGE
REMOVAL & INSTALLATION

5 OF 8

TRAFFIC SIGNAL LAYOUT & STRIPING
PLAN

6 OF 8

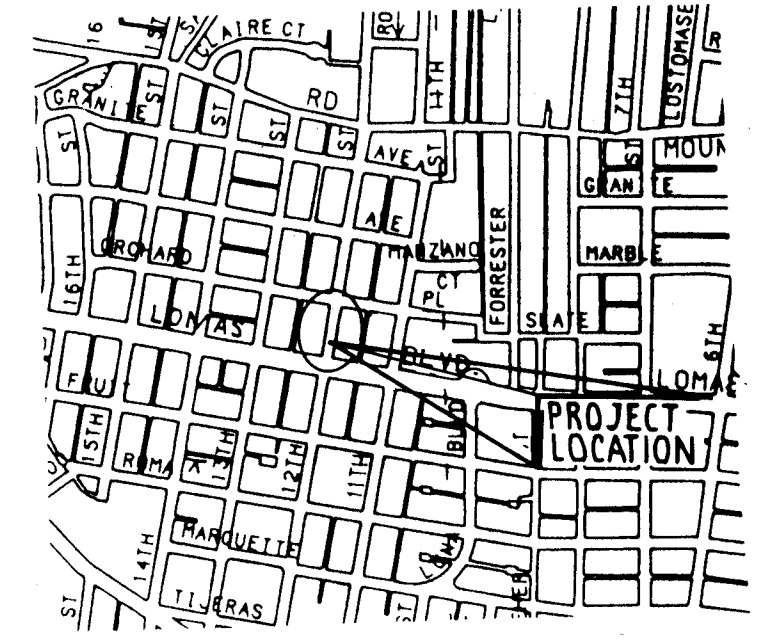
TYPICAL PAVEMENT SECTIONS

7 OF 8

PRIVATE UTILITY RELOCATION AND
OFFSITE IMPROVEMENTS

8 OF 8

DETAILS

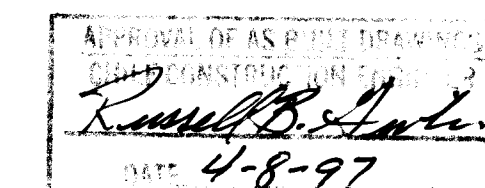


VICINITY MAP MAP NO. J-13

LOCATION MAP

GENERAL NOTES:

- All work detailed on these plans to be performed under contract shall, except as otherwise stated or provided for herein, 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. 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.
- All stationing shall be based on construction center line.
- 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.
- 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 occupying an intersection. Contractor must refer to section 19 of the specifications for traffic control.
- 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.



CITY OF ALBUQUERQUE

APPROVED FOR
CONSTRUCTION
Ramón B. Arce
CITY ENGINEER

DRAWING NO.

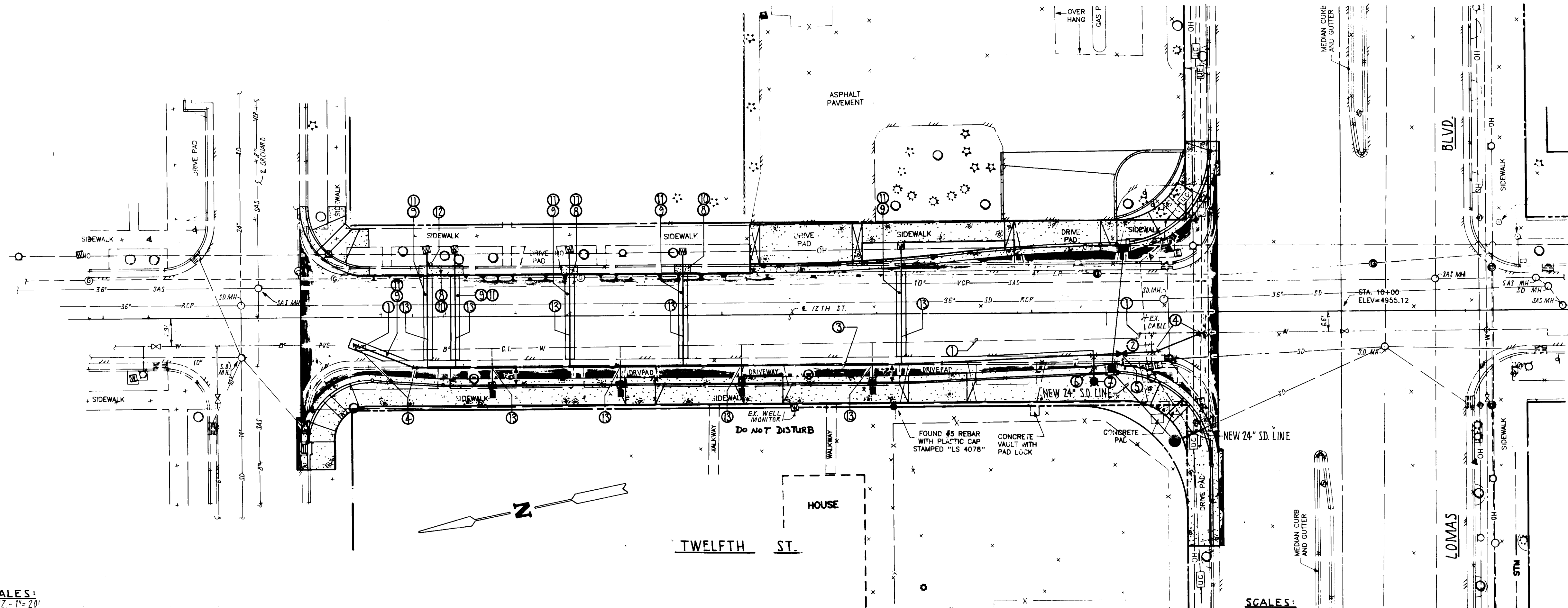
4249.90

SHEET OF

1 8

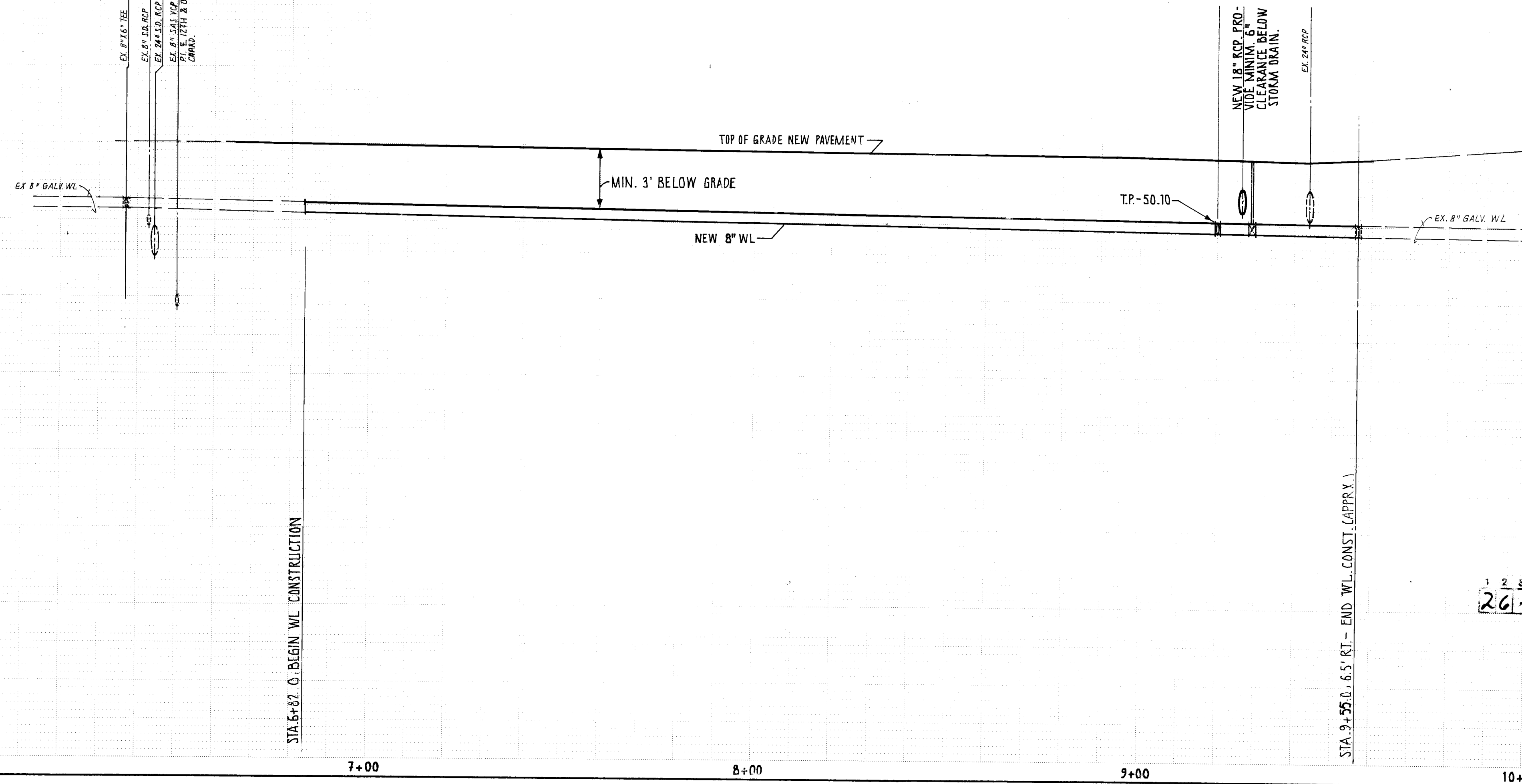
SCANNED BY
BY LASON

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BY LASON



SCALES:
HORIZ. - 1"=20'
VERT. - 1"=5'

SCALES:
HORIZ. - 1"=20'
VERT. - 1"=5'

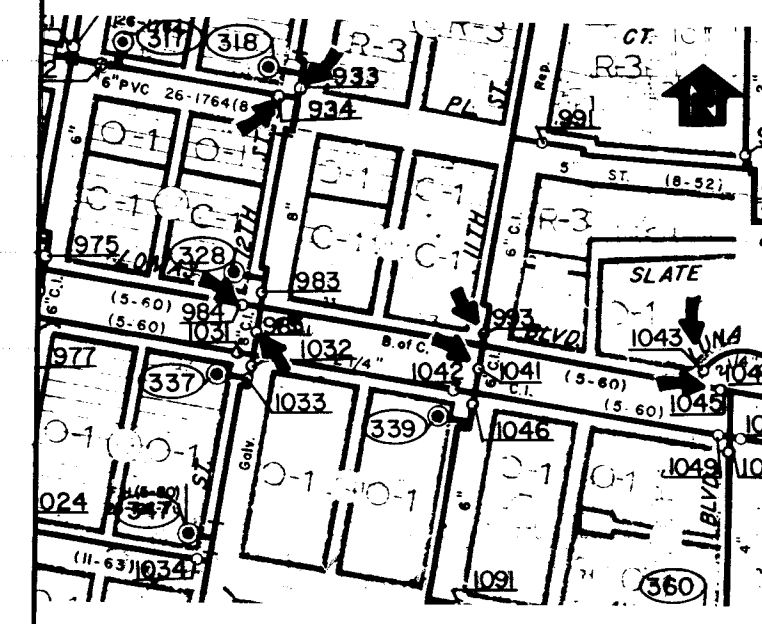


- WATER LINE NOTES**
- 1) Grout-fill and abandon in place existing 8" waterline from the existing 8" PVC at sta. 6+82 to the bend at approx. sta. 9+35
 - 2) Excavate, remove & dispose of the existing 6" hydrant line from the Tee at sta. 9+39 to the existing hydrant, complete with backfill. Remove existing hydrant and salvage to City Yards.
 - 3) Install 8" PVC waterline as shown on plan from sta. 6+82 to the cross at sta. 9+55 per DWG 2301 & 2320. Tie into the existing 8" PVC waterline at sta. 6+82.
 - 4) Install 8" 22-1/2" bend as shown w/ concrete blocking.
 - 5) Install 8" valve & valve box type "A" with ring & cover at sta. 9+27 per DWG. 2301, 2325, 2328 & 2333.
 - 6) Install 15' of 6" waterline at sta. 9+20.
 - 7) Install new fire hydrant sta. 9+20 @ 22.15' Rt. per DWG 2340.
 - 8) Sawcut, remove and dispose of 40 LF standard C & G complete.
 - 9) Sawcut, remove and dispose 45 SY arterial A.C./ PCC pavement complete.
 - 10) Install 40 LF of standard C & G per std. dtl. DWG 2415.
 - 11) Install 45 SY of A.C. pavement complete with base & subgrade per Typical Paving Section sheet 6.
 - 12) Remove and replace existing sign complete, if necessary.
 - 13) Replace existing water services as shown, complete per DWG 2361 & 2362. (Construct new meter box with the salvaged cover & lid.)

WATER SERVICES			
Address	Station	Reconn	Replace
618	7+04.28,E		X
616	7+13.4,E		X
623	7+25.30,W		X
614	7+50.54,E		X
615	7+66.63,W		X
612	7+86.3,E		X
611	8+06.12,W		X
609	8+48.33,W		X

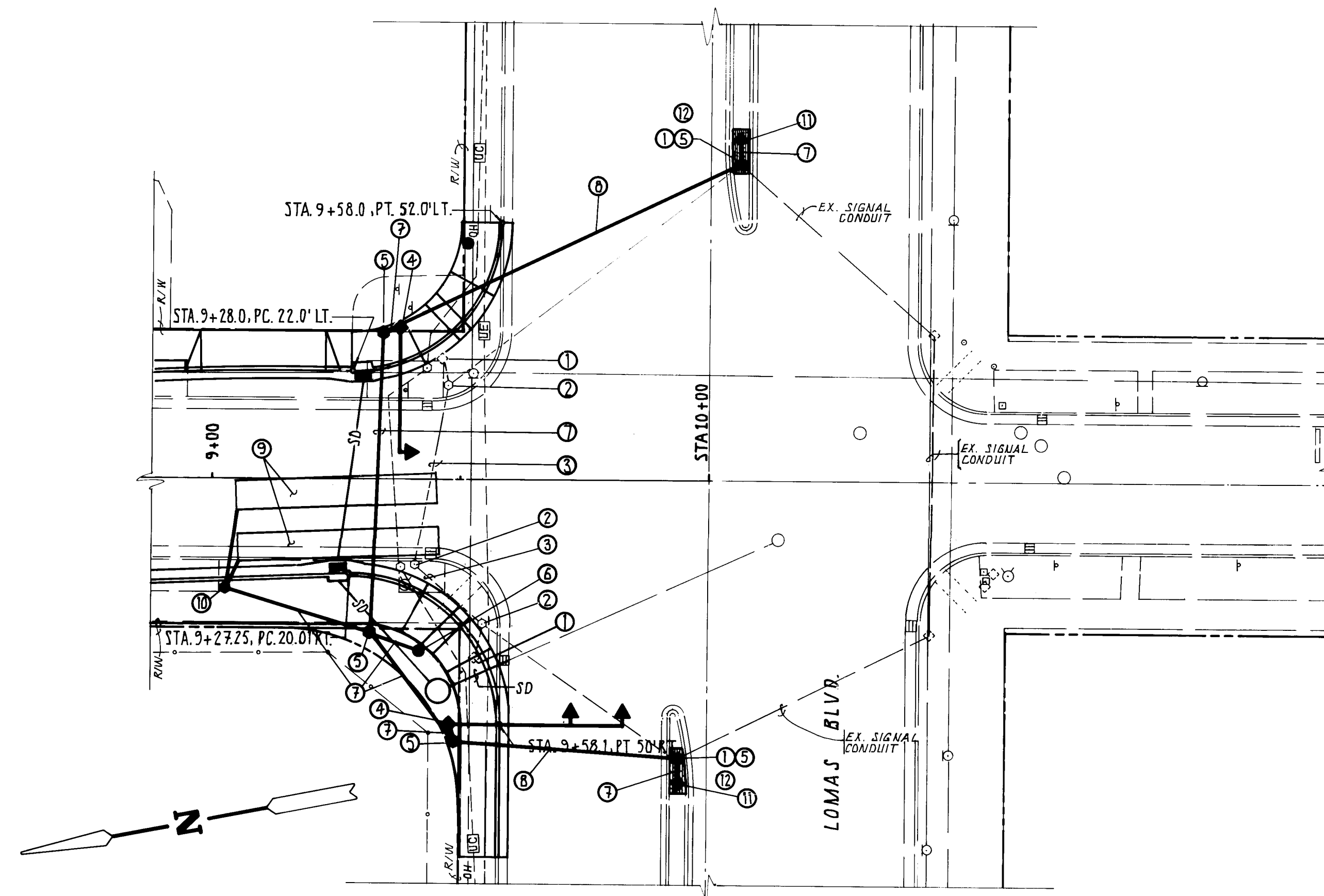
* Upon initial inspection by contractor, replacement will be required if meter does not meet minimum standard requirements

Return all tees, valves, and bends to City Yards



NOT TO SCALE WATER SHUT-OFF PLAN

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT TRANSPORTATION DEVELOPMENT SECTION					
TITLE: INTERSECTION IMPROVEMENTS - 12TH ST. AT LOMAS BLVD. WATERLINE INSTALLATION					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	4/7/92	Water	<i>[Signature]</i>	4-6-92
Trans. Dev	<i>[Signature]</i>	3-13-92	Wastewater	<i>[Signature]</i>	"
Hydrology	<i>[Signature]</i>	3-31-92			
DRAWING NO. 4249.90		MAP NO. J13		SHEET 3 OF 8	



TRAFFIC SIGNAL PLAN
SCALE - 1" = 20'

- LEGEND:**
- - TRAFFIC SIGNAL
 - - SIGNAL LOOP DETECTOR
 - - RISER (ELEC., CABLE TV.)
 - - POWER POLE
 - - FIRE HYDRANT
 - - MANHOLE
 - - BOLLARD
 - - TRAFFIC SIGN
 - - TRAFFIC SIGNAL CONTROL BOX

GENERAL NOTES

Contractor shall maintain existing signal system until all new conduits & foundations are installed. Contractor shall give Traffic Operations one week notice as to when the new conduit and foundations will be completed. Traffic Operations will then rewire & relocate all required signal equipment. Contractor will then be required to remove all existing conduit & foundations. (Salvage all fixtures, mastarms & poles to Traffic Operations.)

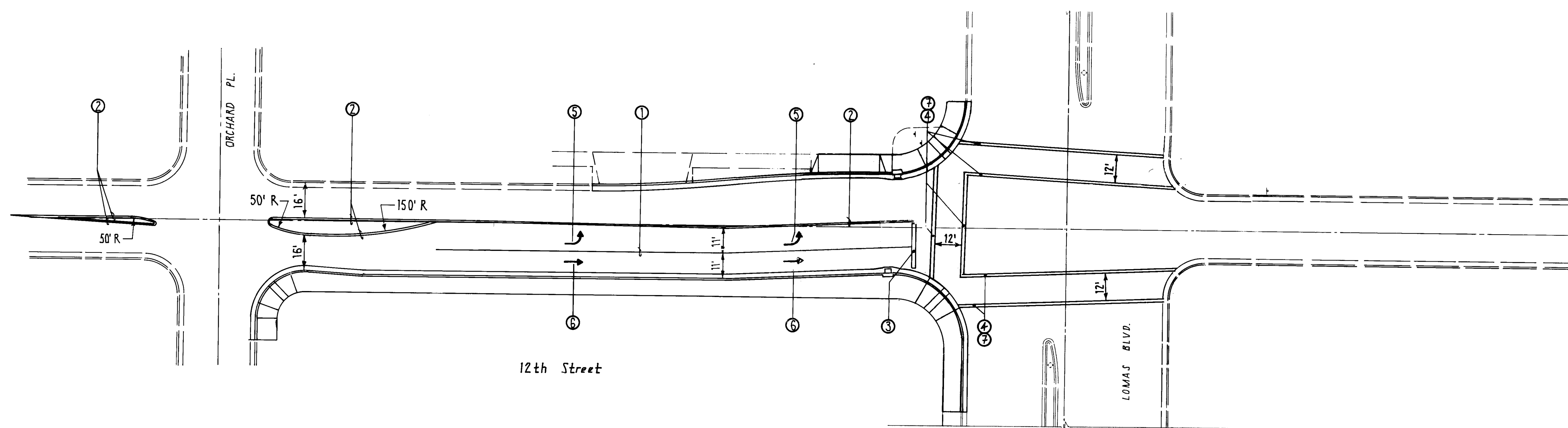
Locations of new signal foundation are schematic contractor shall contact Traffic Operations in order to determine exact locations in the field.

New conduit crossings of Lomas shall be pushed or bored.

To coordinate with Traffic Operation contact ED TOLEDO at 857-8000.

When removing existing pedestal foundation do not damage the existing conduit to the south, it will need to be stubbed in to the new pull box.

All conduit installation shall include pull string, stubbing into pull boxes as well as connecting to existing conduit as required.



STRIPING PLAN
SCALE - 1" = 30'

TRAFFIC SIGNAL NOTES

- 1) Remove & dispose existing signal foundation complete. (Traffic Operations will salvage existing pole, mast arm & signal heads.)
- 2) Remove & dispose existing signal pull box complete.
- 3) Remove & dispose existing conduit complete.
- 4) Install traffic signal mast arm foundation complete per detail on sht. 8.
- 5) Install traffic signal pull box per details on sht. 8. (at locations shown)
- 6) Install pedestal foundation complete per detail on sht. 8. (for pedestrian signal)
- 7) Install 3" PVC electrical conduit complete. (as shown on plan)
- 8) Install 3" PVC electrical conduit by Boring as required.
- 9) Install 6x40' loop detectors as shown.
- 10) Install pull box for loop detectors as shown per DWG 2522.
- 11) Install traffic signal pedestal foundation at location shown per detail on sht. 8.
- 12) Remove and replace 30 SF. 4" pattern concrete per std. det. DWG. 2408. For color see sheet 2.

STRIPING PLAN NOTES

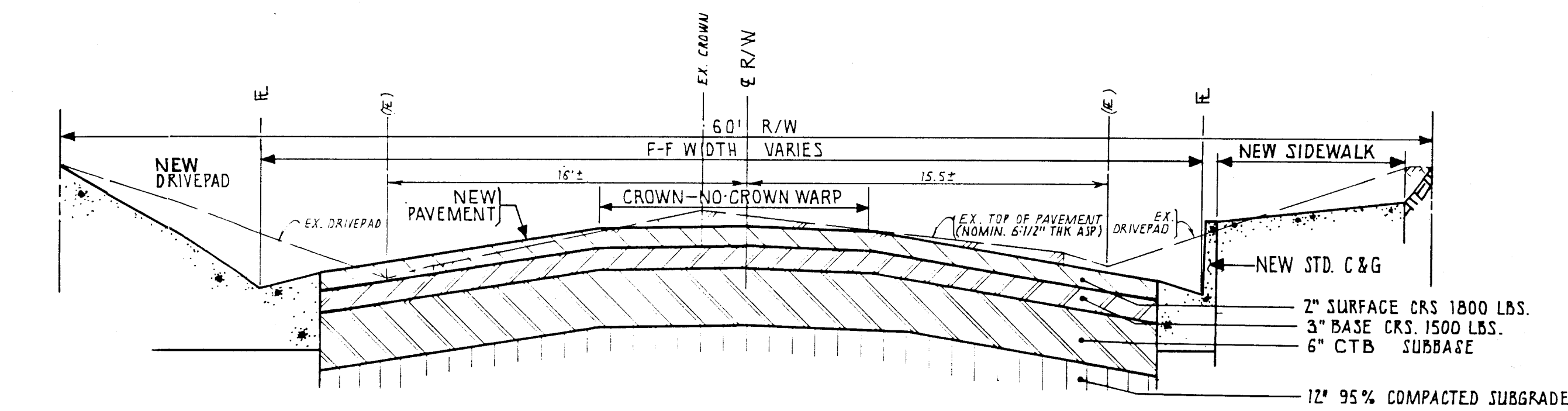
- 1) Apply 4" solid white turn lane delineation stripe.
- 2) Apply dual 4" solid yellow stripes as shown.
- 3) Apply 24" wide white stop bar as shown.
- 4) Apply 12" wide white cross walk stripes as shown on plan.
- 5) Apply solid left turn arrow.
- 6) Apply solid through arrow.
- 7) Obliterate existing crosswalk striping.

NOTE: All striping is to be plastic.

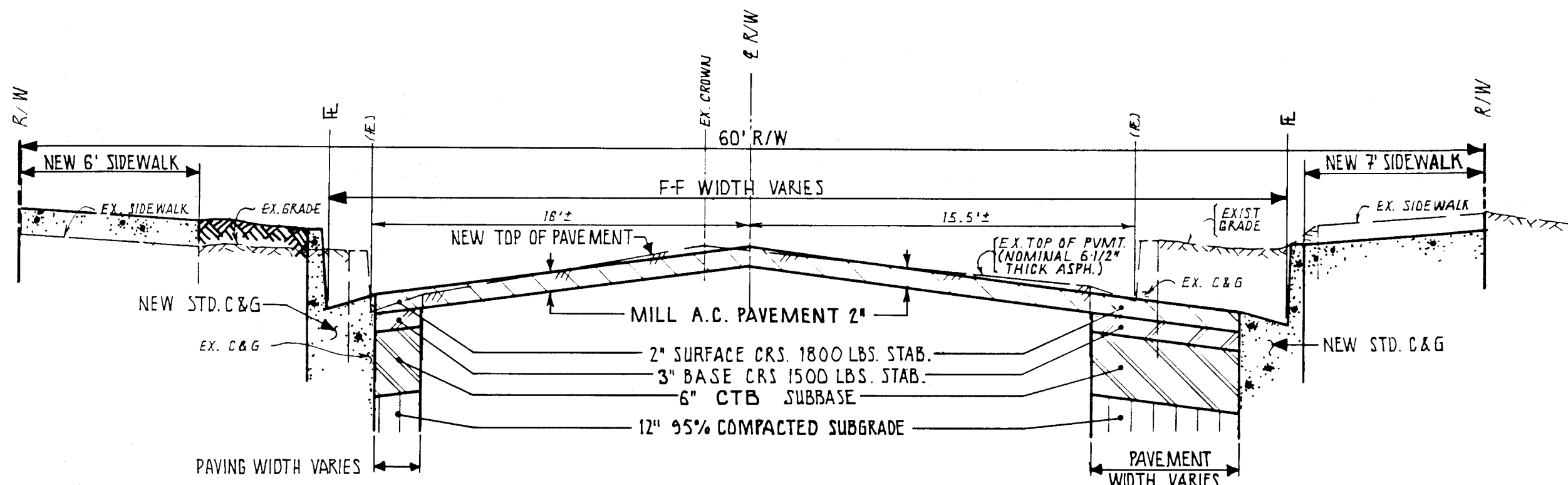
26-14249-190 0597

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: INTERSECTION IMPROVEMENTS AT 12TH ST. & LOMAS BLVD. TRAFFIC SIGNAL LAYOUT STRIPING PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Ronald	4-7-92	Water	W. L. L.	4-6-92
Trans. Dev.	3-12-92		Wastewater		
Hydrology	3-31-92				
DRAWING NO. 4249.90		MAP NO. J-13		SHEET 5 OF 8	

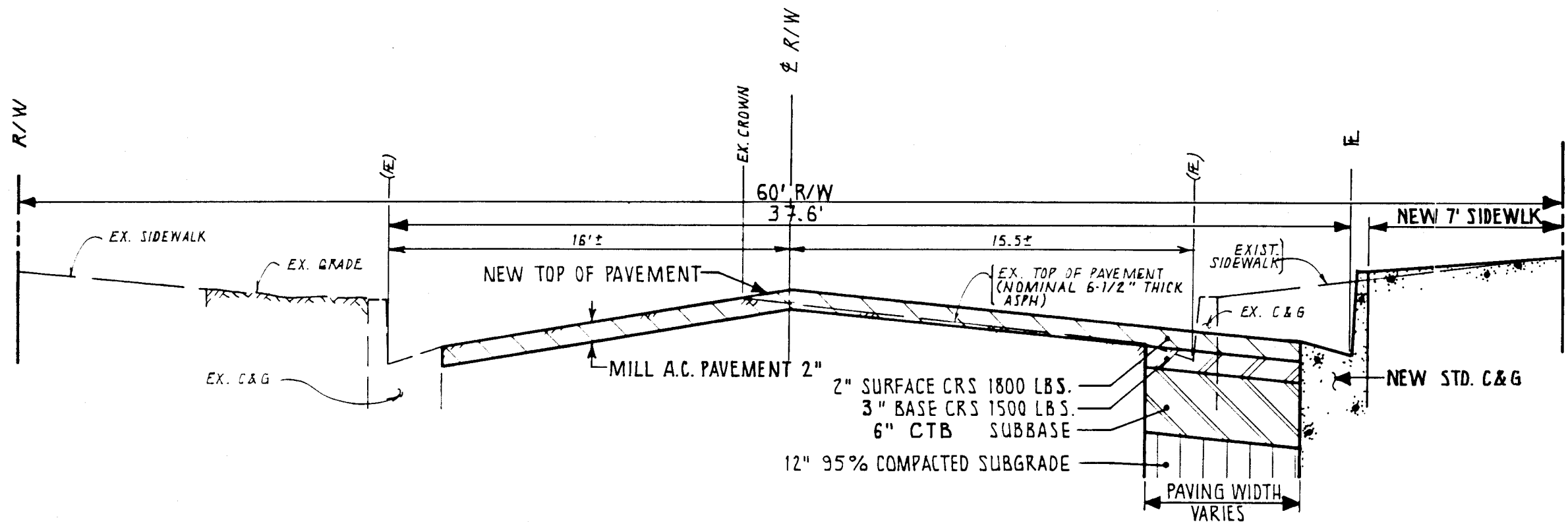
SCANNED BY LASON



© STA. 9+20.0 TO STA. 9+60.0



ⓑ STA. 8+04.50 TO STA. 9+20.0



Ⓐ STA. 6+63.70 TO STA. 8+04.50

TYPICAL PAVEMENT SECTIONS
 SCALES: H-1"=5', V-1"=1'-0"

GENERAL NOTES
 FINAL 2" A.C. TO BE CONTINUOUS MAT
 THROUGHOUT ENTIRE STREET SECTION.

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL			REVISIONS			DESIGN		
CONTRACTOR	WORK BY	DATE	STANDARD A.C. ALUMINUM CAP STAMPED -	DATE	NO.	BY	DATE	NO.	BY	DATE	NO.	BY	DATE	NO.	BY	DATE	NO.
INSPECTORS	ACCEPTANCE BY	DATE	"12-313 1983" SET FLUSH WITH CURB AT	2/11/91	C.O.A. HASP												
FIELD	ACCEPTANCE BY	DATE	WINN CURB RETURN AT 14TH STREET &														
DRAWINGS	DATE		LOMAS BLVD. ELEV. - 4954.85														
CORRECTED BY	DATE		X-316922.94 Y=148912.34														
RECORDED BY	DATE		CITY OF ALBUQUERQUE														
NO.			BERNALILLO COUNTY NEW MEXICO														

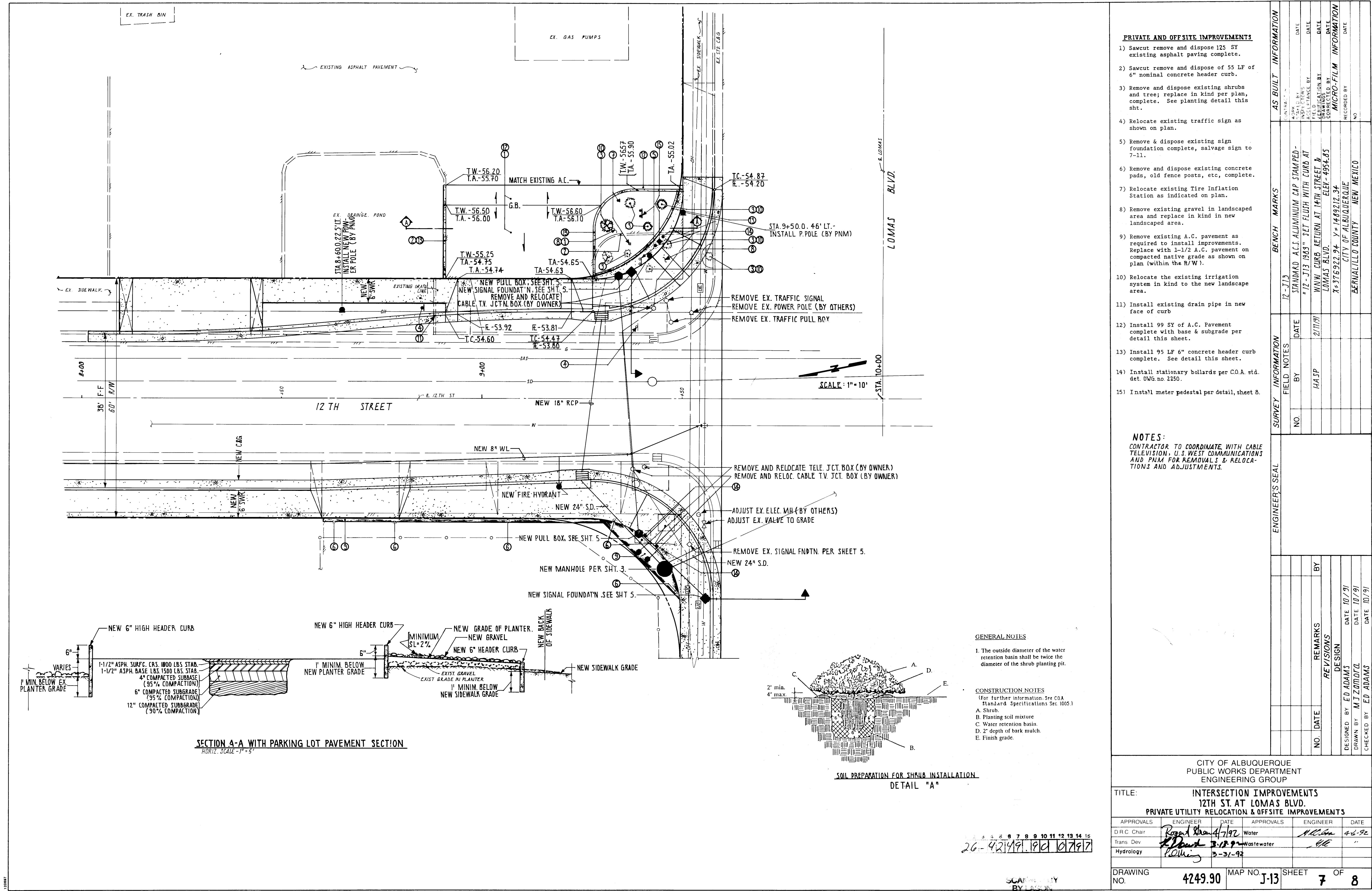
CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 TRANSPORTATION DEVELOPMENT SECTION

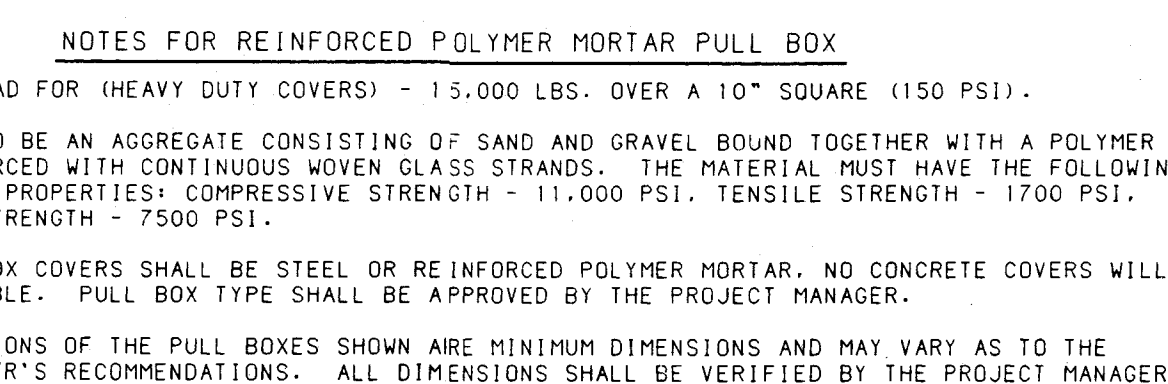
TITLE:
 INTERSECTION IMPROVEMENTS AT 12TH ST. & LOMAS BLVD.
 TYPICAL PAVEMENT SECTIONS & MISC. DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	4-1-92	Water	<i>[Signature]</i>	4-6-92
Trans. Dev.	<i>[Signature]</i>	3-18-92	Wastewater	<i>[Signature]</i>	"
Hydrology	<i>[Signature]</i>	3-31-92			

DRAWING NO.	MAP NO.	SHEET	OF
4249.90	J-13	6	8

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6" BACK OF CURB

BACKFILL WITH CLASS "A" CONCRETE OR RESTORE SIDEWALK

12"

6"

18"

SOLID BUILDING BLOCKS EVENLY SPACED AROUND THE BASE.

2" MAX. SIZE ROCK

30# FELT PAPER SHALL BE INSERTED BETWEEN BACKFILL AND ROCKFILL. (4 SIDES)

This technical drawing illustrates the cross-section of a curb and gutter assembly. The curb is shown on the left, with a dimension of 6 inches from its back face to the start of the gutter. The gutter is a rectangular channel with a depth of 12 inches and a width of 18 inches. The gutter is filled with 30# felt paper, which is inserted between the backfill and the rockfill. The backfill is made of Class "A" concrete or a material to restore the sidewalk. The rockfill is made of solid building blocks evenly spaced around the base, with a maximum size of 2 inches. The gutter is shown with a 6-inch depth and a 12-inch width. The backfill is shown with a 6-inch depth and a 12-inch width. The rockfill is shown with a 6-inch depth and a 12-inch width. The gutter is shown with a 6-inch depth and a 12-inch width. The backfill is shown with a 6-inch depth and a 12-inch width. The rockfill is shown with a 6-inch depth and a 12-inch width.

41" MIN 41" MAX

123

HOUSE OR SPACE NUMBER (PAINTED ON)

SEE NOTE 4

SEE NOTE 5

GROUND WIRE CONNECTOR AND ROD PER NEC ARTICLE 250

2in RIGID GALVANIZED OR IMC CONDUIT SEE NOTE 7

6in

21" MIN

16in x 16in x 6in CONCRETE

2in RIGID GALVANIZED OR IMC 90° ELBOW

2in PLASTIC BUSHING

LOCKABLE PENTHEAD BOLT SEE NOTE 6

FINISHED GRADE

2x2-W4xW4 WWF 2 LAYERS

5/8in x 8ft GROUND ROD

- (1) PEDESTAL FOR 1/2" ANTI-METER BOX
- (2) SEPARATE FOR SERVICE 200 AMP
- (3) INSULATED PMN CONNECTIONS TO BREAK
- (4) TERMINATING PROVISION ALL OTHERS BE SEAL AND
- (5) PEDESTAL TO BREAK
- (6) ALTERNATE IT MUST BE METAL END
- (7) SEE DS-4-

NO. 4 BARE COPPER GROUND CLAMP TO GROUND ROD AND BOLT TO TRANSFORMER.

6"

1" CHAMFER

FINISHED GRADE

CONDUIT AS REQ'D

CLASS "A" CONCRETE

5/8" x 8" COPPERWELD GROUND ROD

4-ANCHOR BOLTS AS REQUIRED 1/2" DIA.

54"

6"

16" BOLT CIRCLE

MASTARM FOUNDATION

3' 0"

2" TYP.

4' 0"

DIRECTION OF SIGNAL MASTARM

2" TYP.

#4V BAR

PLAN

#4H BAR

6" TYP.

2" TYP.

5' 0"

4 EQUAL SPACES

12" = 4' 0"

6" TYP.

ELEVATION

4' 8"

#4V BAR @ REQ'D

8-1/2" MIN. LA

1 1/2" R. TYP.

#4H BAR

5 REQ'D

2' 8"

3' 8"

REINFORCING STEEL

NO. 4 BARE COPPER GROUND CLAMP TO GROUND ROD AND BOLT TO TRANSFORMER BASE

1" CHAMFER

FINISH GRADE

3' 0"

#4V BAR 4 REO'D.

4 - ANCHOR BOLTS AS RED

CONDUIT AS REO'D.

#3H BAR

#4V BAR

4"

3" TYP

5/8" X 8" COPPERWELD GRND ROD

3" TYP

8'-1/2" MIN. LA

#3H BAR 3 REO'D.

1' 9"

1' 9"

Technical drawing of a two-story building facade showing window and door dimensions and labels.

Dimensions:

- Top window width: $7'-0" \pm 1/2"$
- Top window height: $7'-1" \pm 3/4"$
- Top window opening: $7'-0" \pm 1/8"$ VISIBLE OPENING
- Top window depth: $8'-1 \pm 3/8"$
- Top window depth: $7'-0"$ VISIBLE OPENING
- Top window depth: $1'-4" \pm 3/4"$
- Top window depth: $1'-2"$
- Top window depth: $8'-0"$
- Top window depth: $4' \pm 1/4"$
- Top window depth: $11' \pm 1/2"$
- Top window depth: $6'-3"$ TRACK LENGTH
- Top window depth: $6'-2"$ PANEL LENGTH
- Top window depth: $2'-7 \pm 1/2"$
- Top window depth: $5"$
- Top window depth: $5' \times 8' \times .188$ WALL
- Top window depth: $28'-7 \pm 1/4"$ LONG
- Top window depth: $A-36$ STEEL RECT. TUBE
- Top window depth: $(CAP TOP AND GRIND ALL WELDS SMOOTH)$

Labels:

- ORANGE
- RED
- WHITE
- RED
- Unloaded
- Unloaded Plus
- Premium Unloaded

[illegible]

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BY LASON

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	6	-	4	2	4	9	.	9	0			0	8	9

TITLE: INTERSECTION IMPROVEMENTS
12TH STREET @ LOMAS BLVD.
MISCELLANEOUS DETAILS

APPROVALS		ENGINEER	DATE	APPROVALS		ENGINEER	DATE
D.R.C. Chair		<i>Rogers</i>	4/7/92	Water		<i>Willson</i>	4-6-92
Trans. Dev		<i>Willson</i>	3-2-92	Wastewater		<i>Willson</i>	4-10
Hydrology		<i>Willson</i>	3-31-92				
DRAWING NO.		4259.90		MAP NO.		J-13	
				SHEET		OF	
				8		8	