

GRADING/PAVING PLAN

THE FOLLOWING ITEMS CONCERNING LOT 6A BLOCK 25 PEREA ADDITION (1025 LOMAS BLVD. N.W.) ARE CONTAINED HEREON:

EXISTING CONDITIONS

AS SHOWN BY THE VICINITY MAP, THE SITE CONTAINS 0.38 ACRES MORE OR LESS AND IS LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF LOMAS BLVD. N.W. AND 11 TH STREET N.W.. CURRENTLY THE SITE IS OCCUPIED BY SEVERAL BUILDINGS TOTALLING 4300 SQ. FT. ALONG WITH ASSOCIATED PARTIALLY PAVED PARKING. THE SITE IS FLAT IN GRADE WITH PONDING WITHIN CERTAIN AREAS. AS SHOWN BY THE FLOOD INSURANCE RATE MAP, PANEL 0331D, DATED SEPTEMBER 20,1996, THIS SITE IS NOT LOCATED WITHIN A DESIGNATED FLOOD ZONE.

PROPOSED CONDITIONS

AS SHOWN BY THE GRADING/PAVING PLAN, THE PROPOSED PROJECT WILL CONSIST OF NEW ASPHALT PAVING WITHIN THE EXISTING ASPHALT AND DIRT AREAS. BECAUSE OF THE FLAT TOPOGRAPHY, A CONCRETE VALLEY GUTTER WILL BE UTILIZED WITHIN THE LOT TO COLLECT AND DISPOSE THE RUN-OFF INTO LOMAS BLVD. N.W.. THERE IS AN EXISTING AGREEMENT THAT ALLOWS LOT 6A TO UTILIZE THE EXISTING CONCRETE VALLEY GUTTER WITHIN LOT A1 TO THE EAST FOR THE RUN-OFF TO BE DISPOSED INTO LOMAS BLVD., FROM WHICH POINT IT TRAVEL EAST TOWARDS AN EXISTING DRAIN INLET. THE CALCULATIONS WHICH APPEAR HEREON ANALYZE BOTH EXISTING AND DEVELOPED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAINFALL EVENT. THE PROCEDURE FOR 40-ACRES AND SMALLER BASINS, AS SET FORTH IN THE REVISION OF SECTION 22.2 WAS USED TO QUANTIFY THE PEAK RATE OF DISCHARGE AND VOLUME OF RUN-OFF GENERATED.

PROJECT AREA = 0.38 ac.

LOMAS LAW COMPLEX

ZONE 2

PRECIPITATION: 360 = 2.35 in.  
1440 = 2.75 in.  
10day = 3.95 in.

EXCESS PRECIPITATION:

PEAK DISCHARGE:

TREATMENT A	0.53 in.	1.56 cfs/ac.
TREATMENT B	0.78 in.	2.28 cfs/ac.
TREATMENT C	1.13 in.	3.14 cfs/ac.
TREATMENT D	2.12 in.	4.70 cfs/ac.

EXISTING CONDITIONS:	PROPOSED CONDITIONS:	
AREA	AREA	
TREATMENT A	0 ac.	0 ac.
TREATMENT B	0 ac.	0 ac.
TREATMENT C	0.1493 ac.	0.0551 ac.
TREATMENT D	0.2307 ac.	0.3249 ac.

EXISTING EXCESS PRECIPITATION:

Weighted E = ( 0.53 )( 0.00 )+( 0.78 )( 0.00 )+( 1.13 )( 0.15 )+( 2.12 )( 0.23 ) / 0.38 ac.  
= 1.73 in.

V100-360 = ( 1.73 )( 0.38 ) / 12 = 0.054816 ac-ft = 2388 CF

EXISTING PEAK DISCHARGE:

Q100 = ( 1.56 )( 0.00 )+( 2.28 )( 0.00 )+( 3.14 )( 0.15 )+( 4.70 )( 0.23 ) = 1.55 CFS

PROPOSED EXCESS PRECIPITATION:

Weighted E = ( 0.53 )( 0.00 )+( 0.78 )( 0.00 )+( 1.13 )( 0.06 )+( 2.12 )( 0.32 ) / 0.38 ac.  
= 1.98 in.

V100-360 = ( 1.98 )( 0.38 ) / 12.0 = 0.062588 ac-ft = 2726 CF

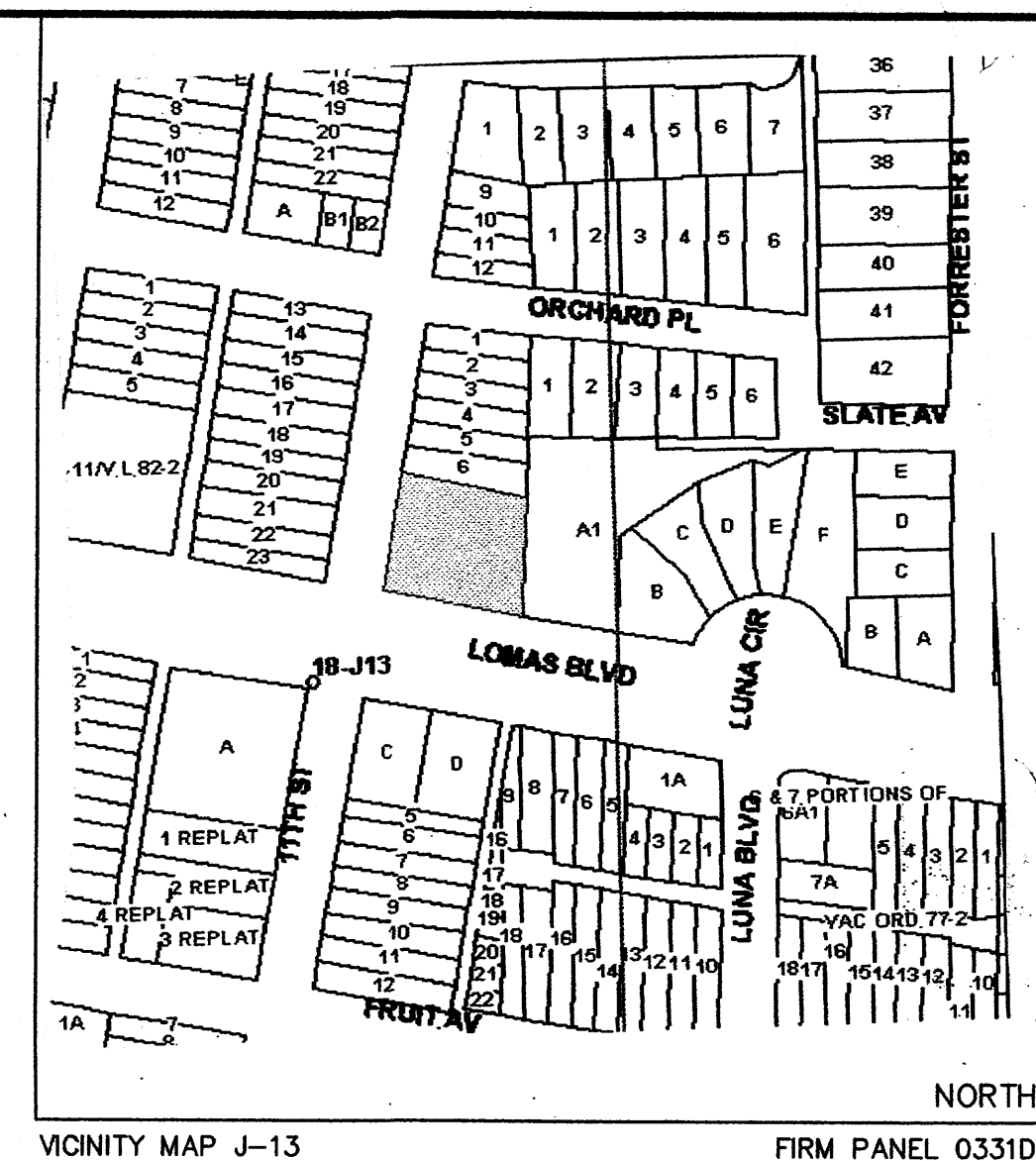
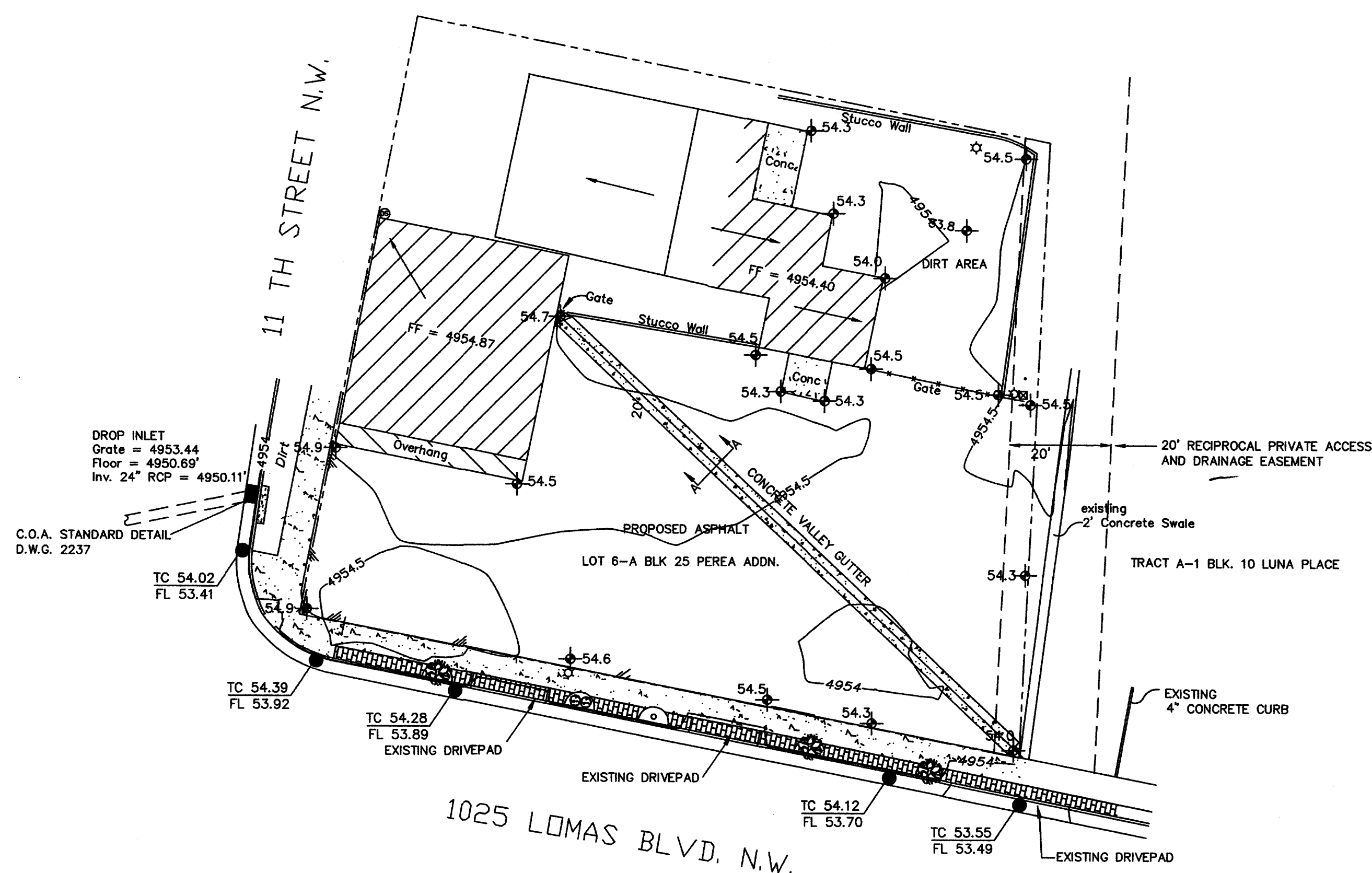
V100-1440 = ( 0.06 )+( 0.32 )( 2.75 - 2.35 ) / 12 = 0.073418 ac-ft = 3198 CF

V100-10day = ( 0.06 )+( 0.32 )( 3.95 - 2.35 ) / 12 = 0.105908 ac-ft = 4613 CF

PROPOSED PEAK DISCHARGE:

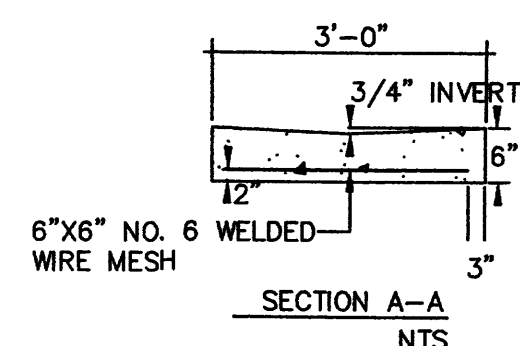
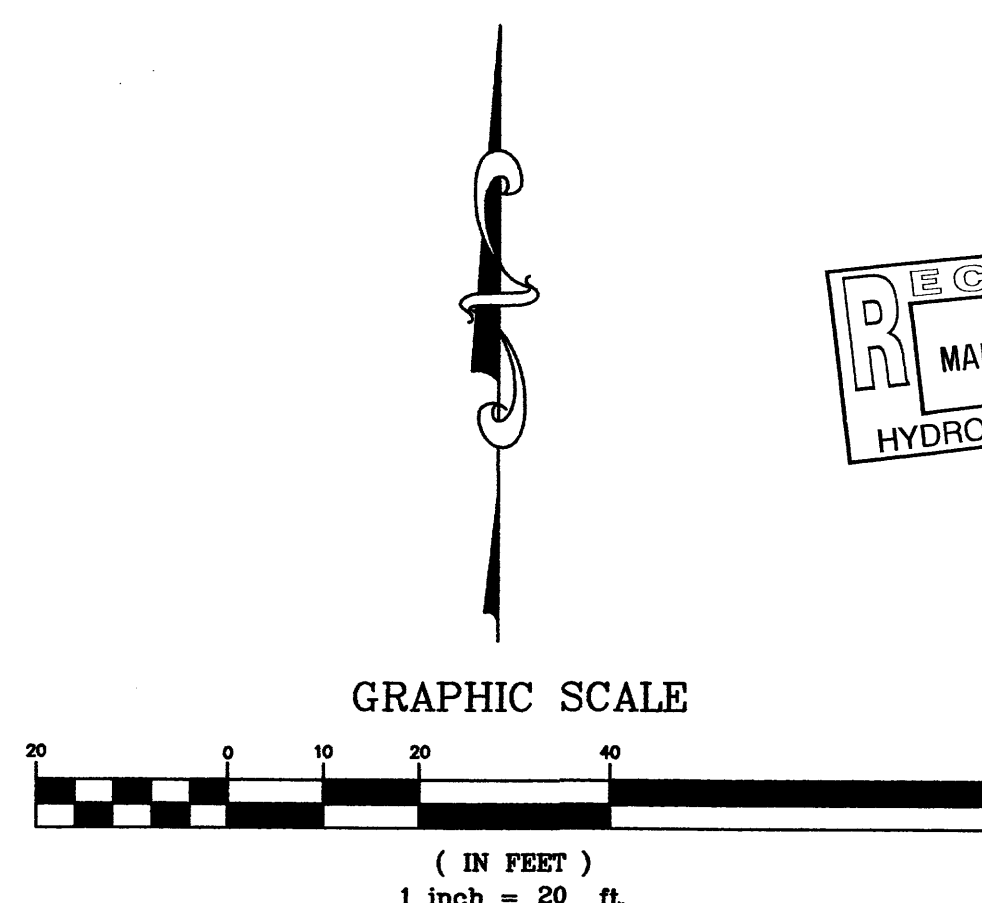
Q100 = ( 1.56 )( 0.00 )+( 2.28 )( 0.00 )+( 3.14 )( 0.06 )+( 4.70 )( 0.32 ) = 1.70 CFS

INCREASE 1.70 CFS - 1.55 CFS = 0.15 CFS



VICINITY MAP J-13

FIRM PANEL 0331D



SYMBOL LEGEND

PROPERTY LINE  
EASEMENT LINE  
EXISTING CONTOUR  
PROPOSED CONTOUR

DESIGNED SPOT ELEVATIONS

EXISTING SPOT ELEVATIONS

EXISTING SPOT ELEVATION

DOWN SPOUT

FLOW DIRECTION

DESIGNED SPOT ELEVATIONS

ABBREVIATION LEGEND

TOP OF CON. PAD	- TC
TOP OF CURB	- TC
TOP OF ASPHALT	- TA
FLOWLINE	- FL
TOP OF WALL	- TW
ROOF FLOWS	- RF
TOP OF SIDEWALK	- TSW

LEGEND

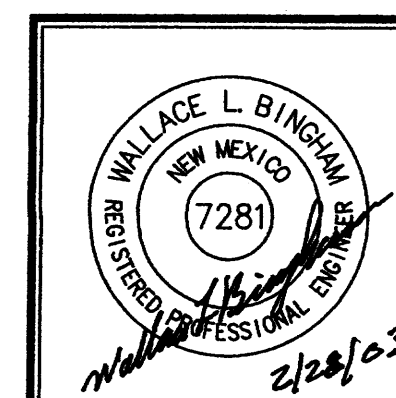
EXISTING CURB AND GUTTER	=====
EXISTING BOLLARD	•
EXISTING TREE	⊗
EXISTING SPOT ELEVATION	⊕
EXISTING TELEPHONE PEDISTAL	⊞
EXISTING POWER POLE	☆
EXISTING CONTOUR	-----4954-----
EXISTING WROUGHT IRON FENCE	=====
EXISTING SHRUBS	⊗
EXISTING BRICKS	
EXISTING SINGLE POST SIGN	+

LEGAL DESCRIPTION

LOT 6A BLOCK 25 PEREA ADDITION  
ALBUQUERQUE, NEW MEXICO, BERNALILLO  
COUNTY

BENCHMARK:

ACS STATION 18-J13, LOCATED AT THE  
INTERSECTION OF LOMAS BLVD. N.E.. AND  
11 TH. ST. N.E. ELEVATION: 4954.44



JOB NO:

DATE: JUNE 2002

REVISIONS

FEBRUARY 2003

Sheet Title  
PAVING PLAN

Drawn By: BUM  
Checked By: MLB

Project Name  
LAW OFFICES  
1025 LOMAS BLVD. N.W.  
ALBUQUERQUE, NEW MEXICO

SHEET NO.

PP

