

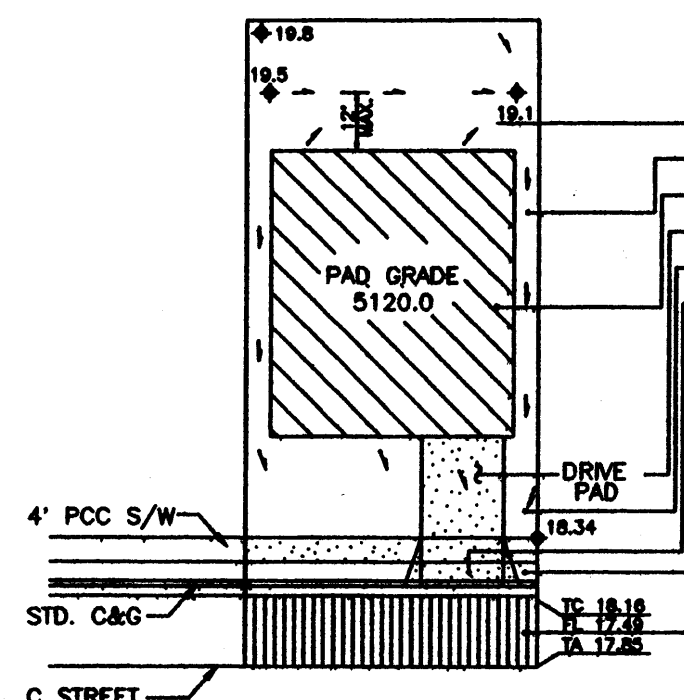
VICINITY MAP
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LEGEND

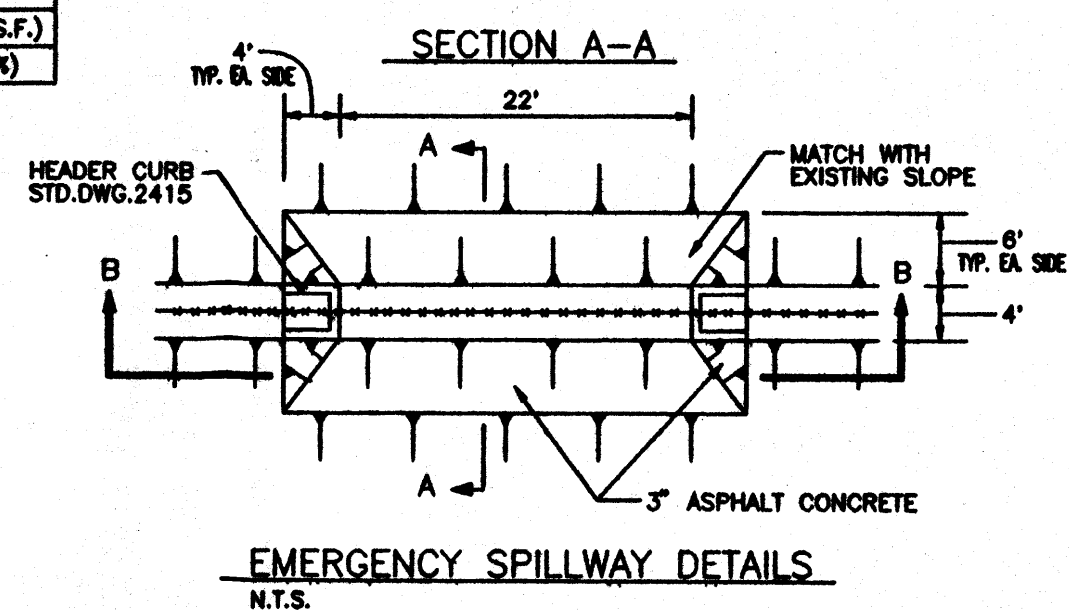
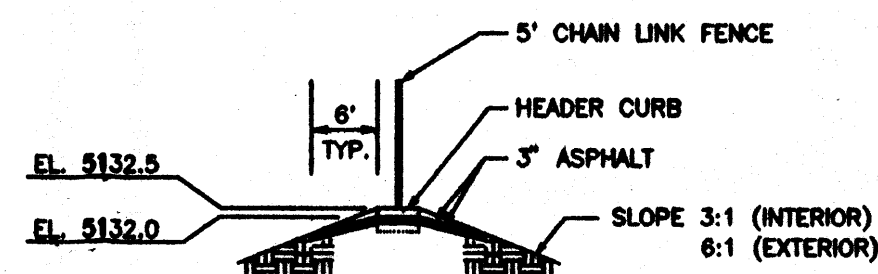
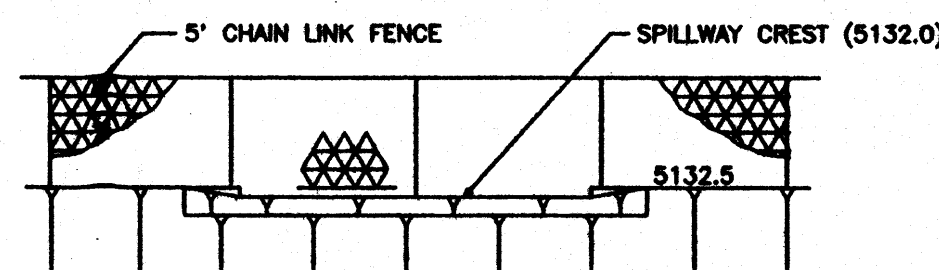
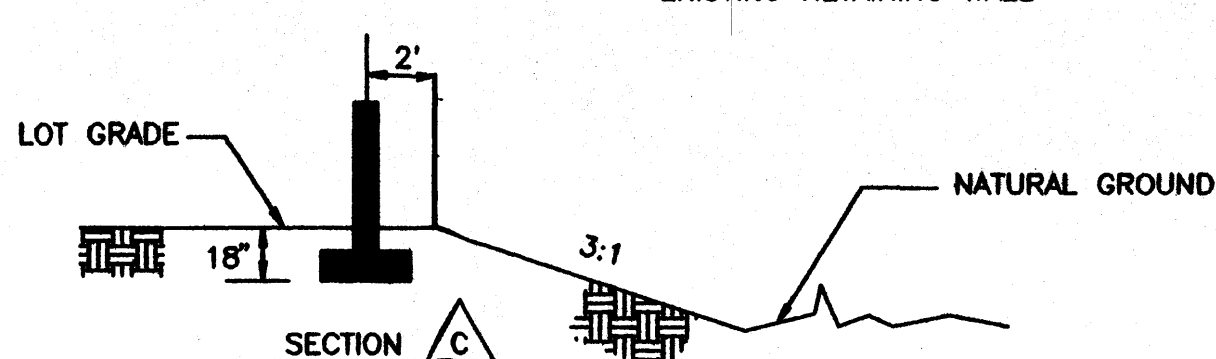
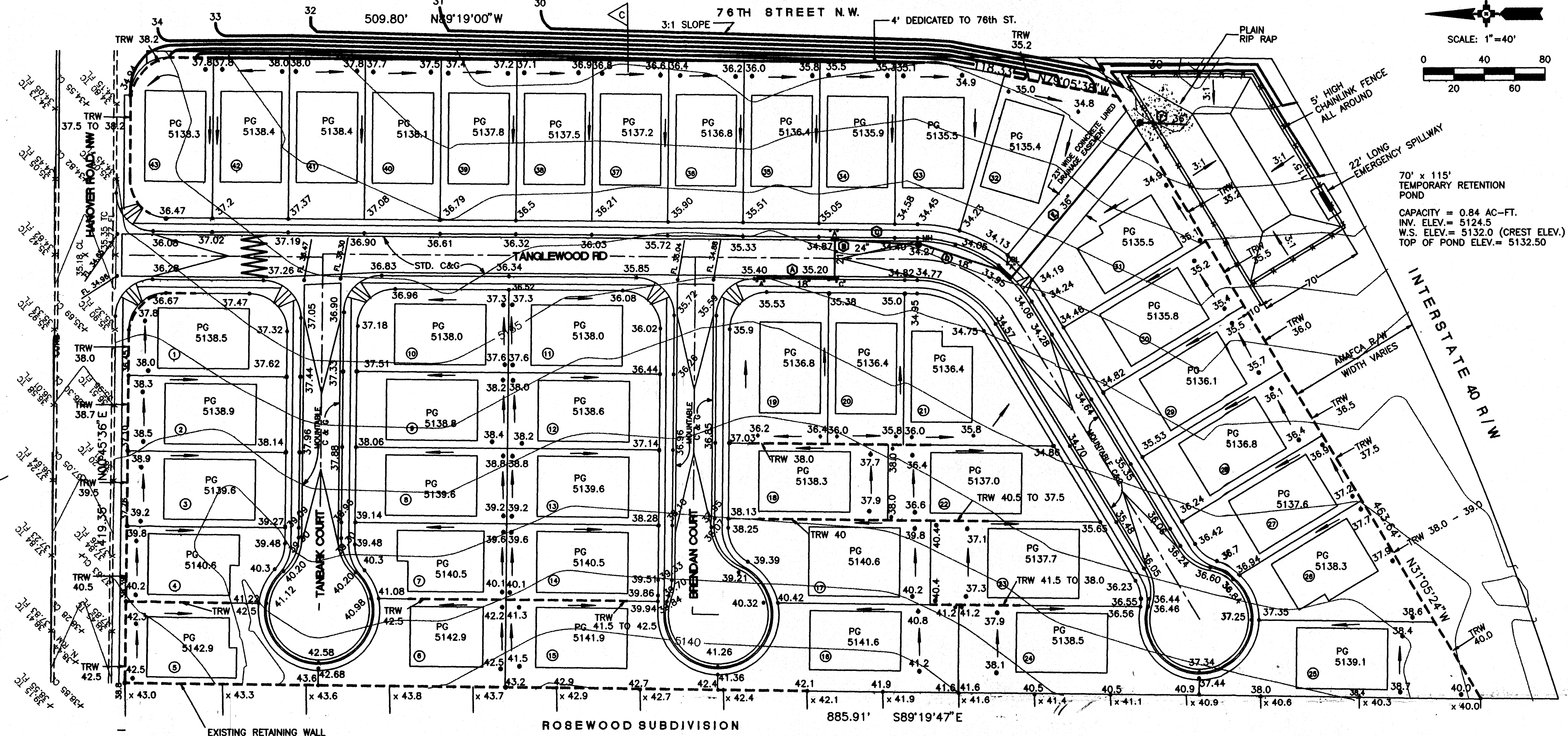
EXISTING CONTOURS	
PROPOSED SPOT ELEVATIONS	• 45.7
TOP OF RETAINING WALL ELEVATION	TRW 46.5
EXISTING SPOT ELEVATIONS	x 50.1
FLOW LINE ELEVATIONS	FL
PAD GRADE	PG
FLOW DIRECTION	→
RETAINING WALL	---
EXISTING RETAINING WALL	---
CHAIN LINE FENCE	x-x-x
LOT NO.	①
WATER BLOCK	W
DOUBLE INLET	==
SINGLE INLET	-
STORM DRAIN MH	•
STORM PIPE WITH SIZE AND LABEL	① 21"

NOTES

- THERE IS A WATER BLOCK ON TANGLEWOOD RD. APPROXIMATELY 90' SOUTH OF HANOVER ROAD TO PREVENT STREET FLOW IN HANOVER ROAD FROM ENTERING TANGLEWOOD RD.
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LAND TREATMENTS and TYPICAL LOT
GRADING PLAN
N.T.S.



LEGAL DESCRIPTION

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ENGINEER

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SURVEYOR

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8-J10 AN N.M.S.H.C. BRASS CAP STAMPED "HWY.R.W. STA. 1206+46.93, 8-J10" SET IN CONCRETE POST FLUSH WITH THE GROUND. ELEVATION 5130.013.

TBM

SOUTH SIDE OF POWER POLE AT THE SOUTHEAST CORNER OF HANOVER ROAD AND 76TH STREET, NW. ELEVATION 5135.31

ZONING

R-D (15 DU/AC MAX.)

PROPOSED

43 SINGLE FAMILY RESIDENTIAL LOTS.

AREA

7.2749 ACRES MORE OR LESS (316,894.64 SQUARE FEET, MORE OR LESS)

FLOOD HAZARD

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APPROVED FOR ROUGH GRADING

AMAFCA APPROVAL

DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

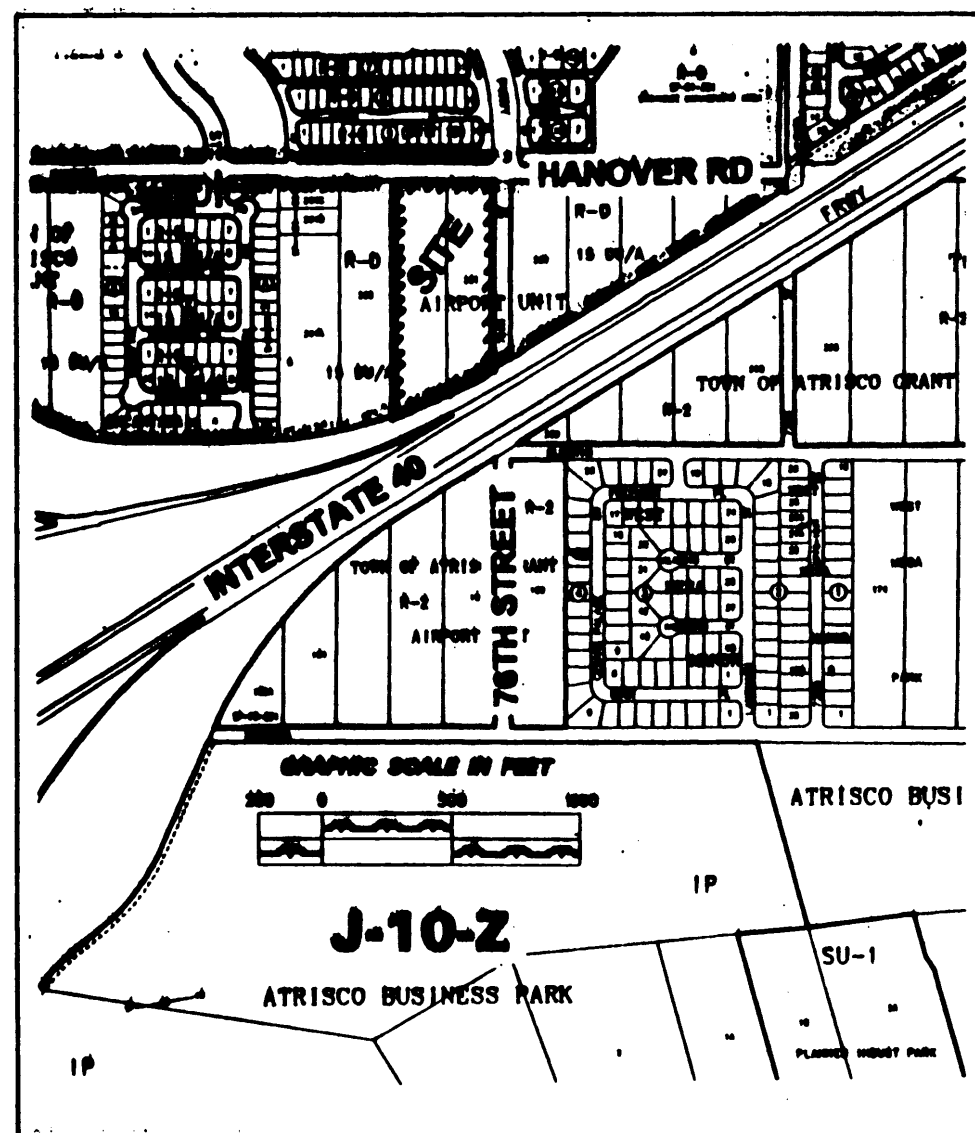
TITLE: TANGLEWOOD SUBDIVISION
GRADING AND DRAINAGE PLAN

Design Review Committee City Engineer Approval

City Project No. Zone Map No. Sheet of

J-10 3 10

AS BUILT INFORMATION			
CONTRACTOR	DATE	DATE	DATE
DESIGNED BY	DATE	DATE	DATE
DRAWN BY	DATE	DATE	DATE
CHECKED BY	DATE	DATE	DATE
REVISIONS	DATE	DATE	DATE
DESIGNED BY	DATE	DATE	DATE
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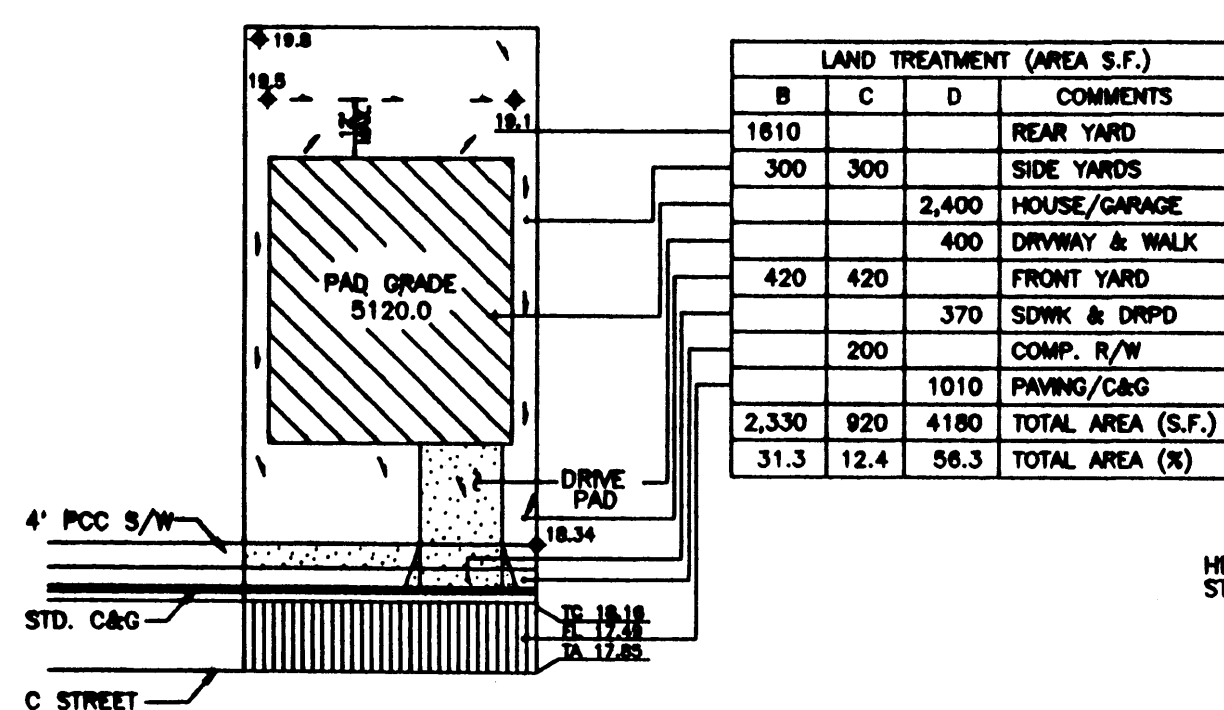
VICINITY MAP
Approximate Scale: 1"=750'

LEGEND

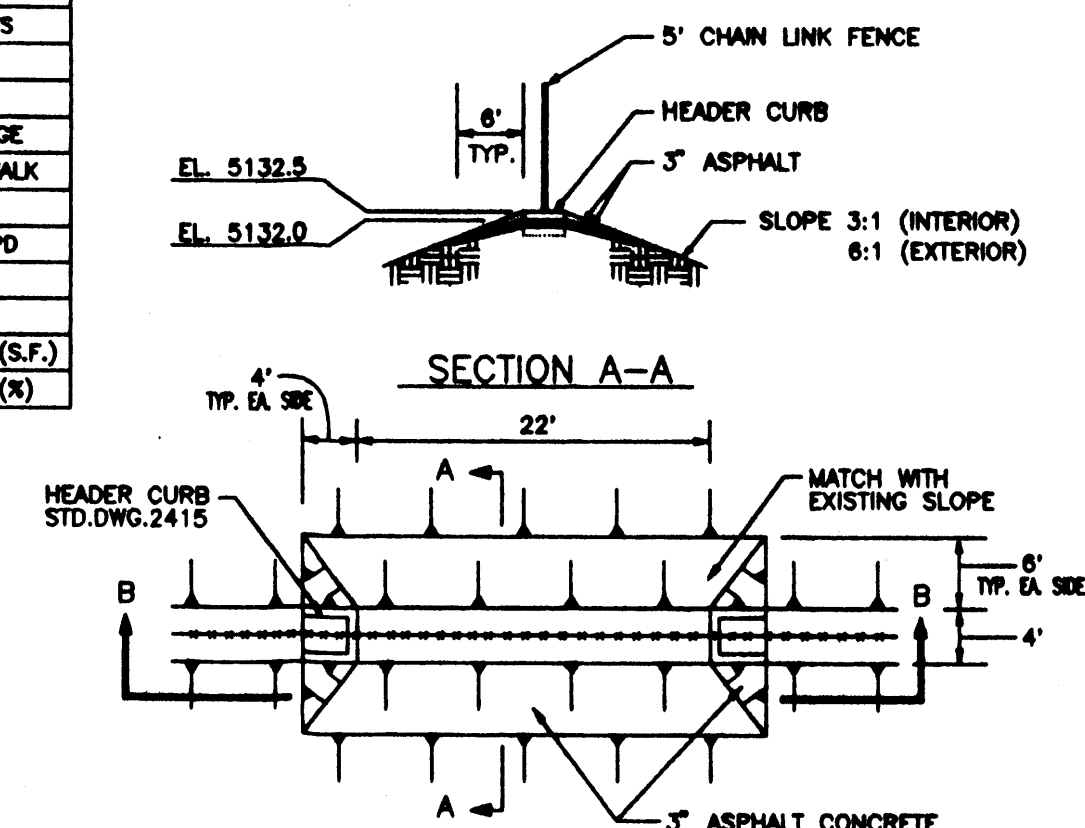
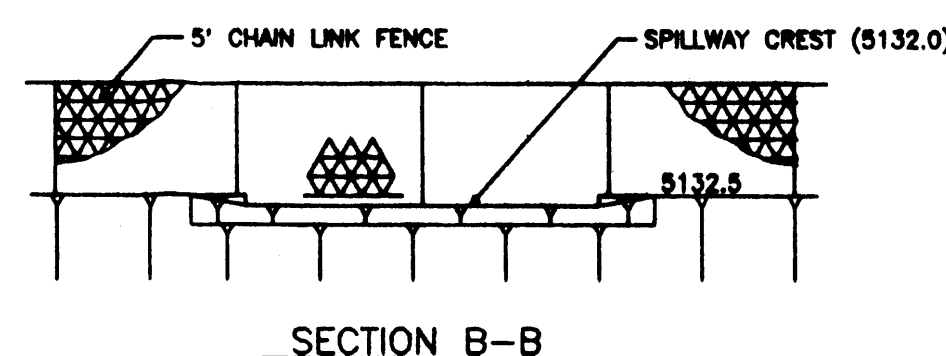
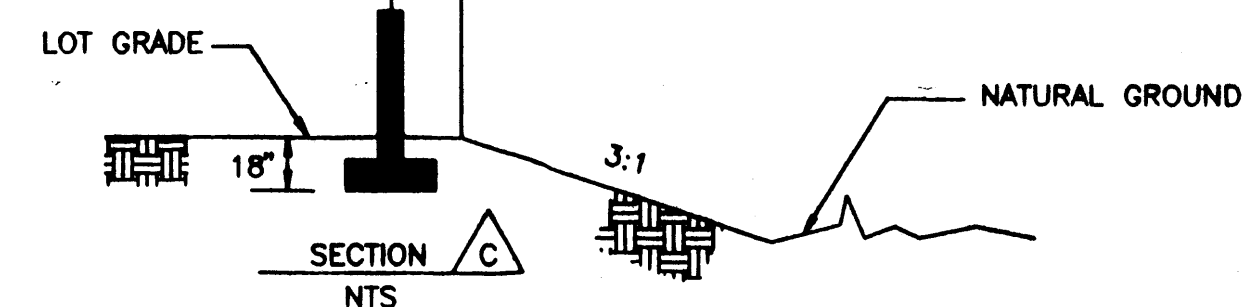
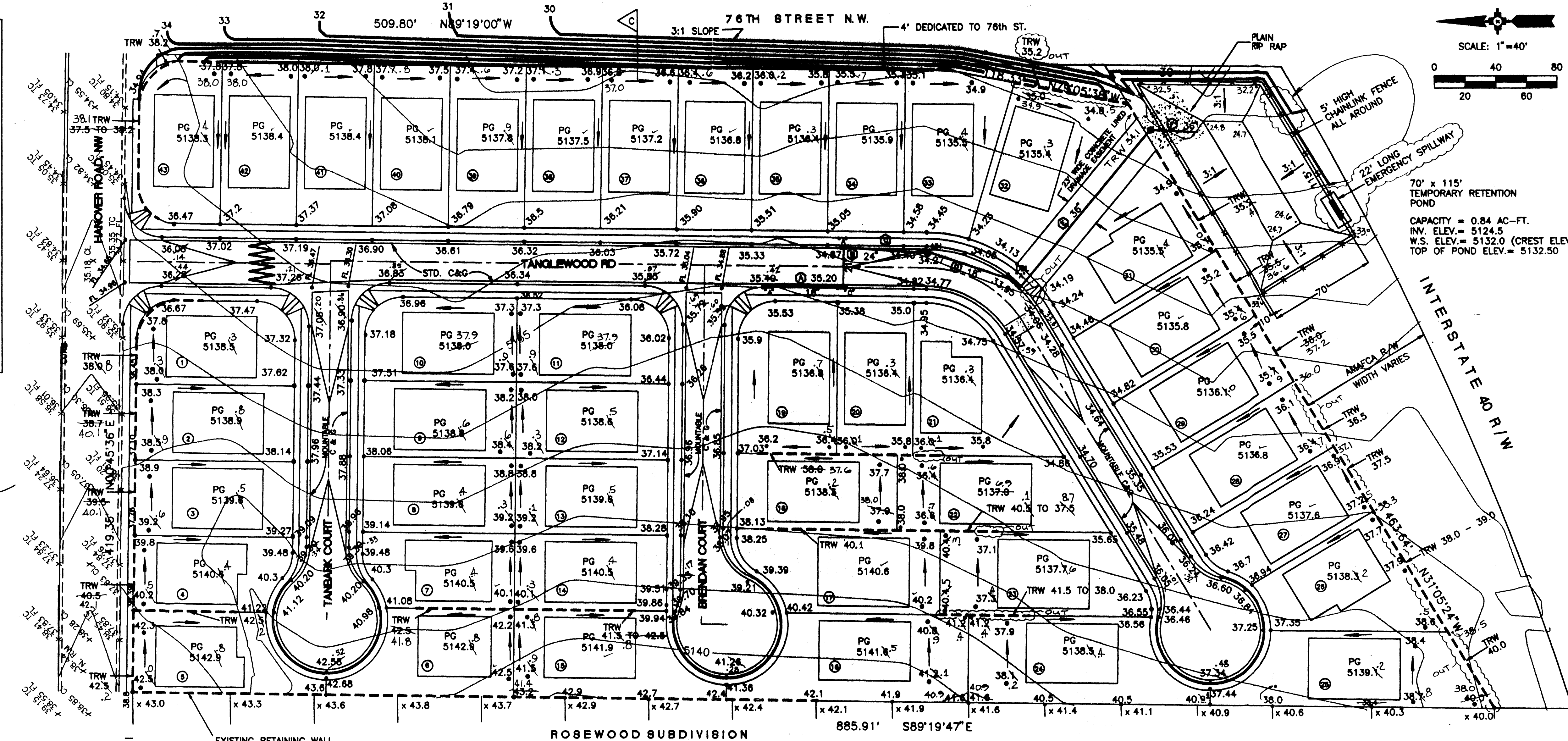
EXISTING CONTOURS	• 45.7
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TOP OF RETAINING WALL ELEVATION	x 50.1
EXISTING SPOT ELEVATIONS	FL
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PAD GRADE	PG
FLOW DIRECTION	→
RETAINING WALL	---
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LOT NO.	①
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LAND TREATMENTS and TYPICAL LOT GRADING PLAN
N.T.S.



EMERGENCY SPILLWAY DETAILS
N.T.S.

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R-D (15 DU/AC MAX.)

PROPOSED

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AREA

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ENGINEER'S CERTIFICATION

I, the undersigned, being a Professional Engineer registered in the state of New Mexico, do hereby certify that this drawing was prepared by me, and that the as-built information shown hereon is based on actual field measurements performed by Aldrich Land Surveying and the City of Albuquerque Survey Division. I further certify that the as-built condition of the site meets City of Albuquerque requirements for rough grading tolerances and is in substantial conformance with the Grading and Drainage Plan prepared by PROTEC Consulting and approved by the City of Albuquerque Public Works Department, Hydrology Division on August 26, 1997.

Raymond W. Maci, P.E. (NMBE #6414)
3/4/98
Date

FLOOD HAZARD

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EROSION CONTROL MEASURES: THE CONTRACTOR SHALL PREVENT SOIL EROSION FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR PRIVATE PROPERTY. CONSTRUCTION OF TEMPORARY BERMS OR EROSION FENCING AT PROPERTY LINES AND WETTING THE SOIL MAY BE REQUIRED TO PREVENT SOIL EROSION DUE TO WIND OR WATER RUNOFF.

THE CONTRACTOR SHALL PROMPTLY REMOVE ANY MATERIAL EXCAVATED WITHIN PUBLIC RIGHT-OF-WAY TO PREVENT IT FROM BEING WASHED DOWN THE STREET.

THE CONTRACTOR SHALL OBTAIN A TOPSOIL DISTURBANCE PERMIT PRIOR TO STARTING CONSTRUCTION.

Bruno J. Mataya
APPROVED FOR ROUGH GRADING
DATE

John Kelly
AMAFCA APPROVAL
DATE

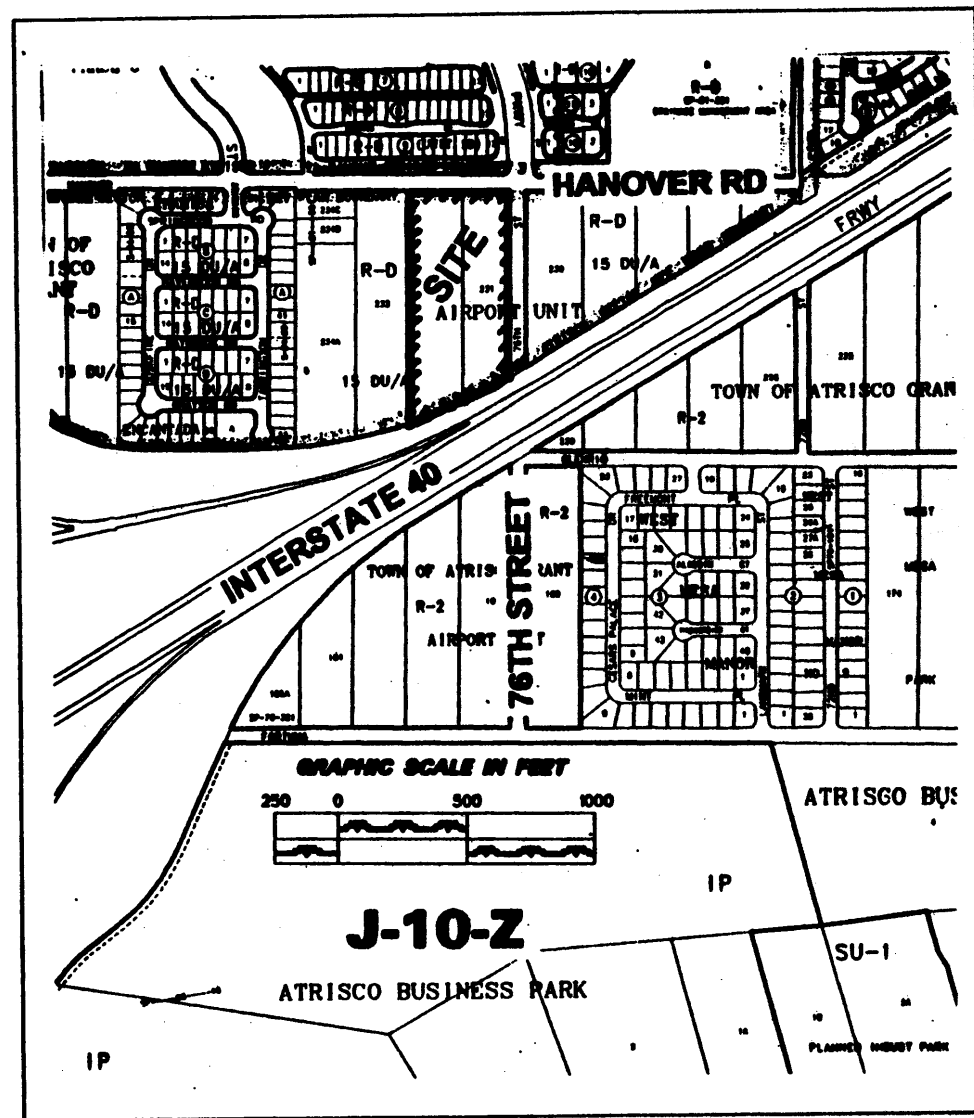
AS-BUILT

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TITLE: TANGLEWOOD SUBDIVISION
GRADING AND DRAINAGE PLAN

Design Review Committee City Engineer Approval
Approval Granted @ DRB
City Project No. 576081 Zone Map No. 10 Sheet 3 of 10

MAR 05 1998
HYDROLOGY SECTION

AS BUILT INFORMATION			
CONTRACTOR	8-J10 AN N.M.S.H.C. BRASS CAP STAMPED "HWY.R.W. STA. 1206+46.93, 8-J10" SET IN CONCRETE POST FLUSH WITH THE GROUND ELEVATION 5130.013	DATE	DATE
INSPECTOR	DATE	DATE	DATE
REVIEWER	DATE	DATE	DATE
APPROVED BY	DATE	DATE	DATE
MICRO-FILM INFORMATION			
RECORDED BY	DATE	DATE	DATE
NO.	DATE	DATE	DATE
ENGINEER'S SEAL			
NO.	DATE	DATE	DATE
BY	DATE	DATE	DATE
REVISIONS	DATE	DATE	DATE
DESIGN	DATE	DATE	DATE
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DRAWN BY	DATE	DATE	DATE
CHECKED BY	DATE	DATE	DATE



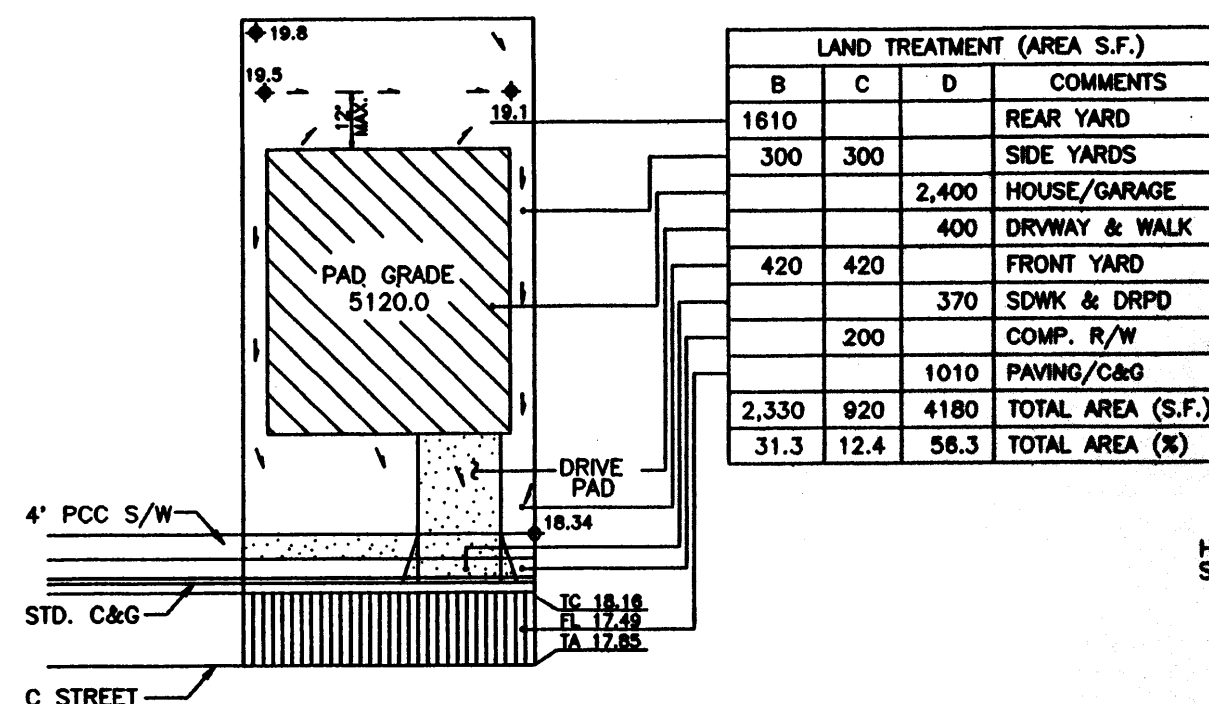
VICINITY MAP
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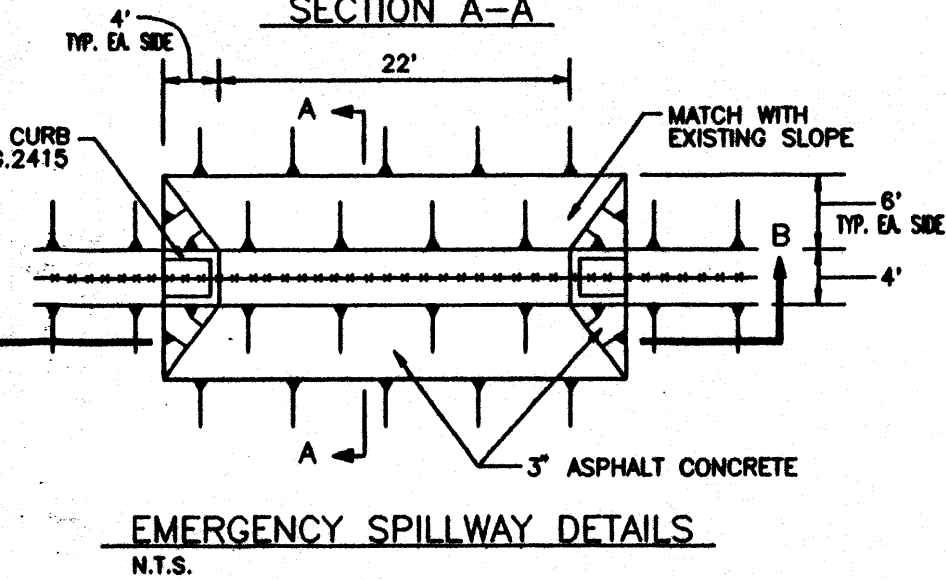
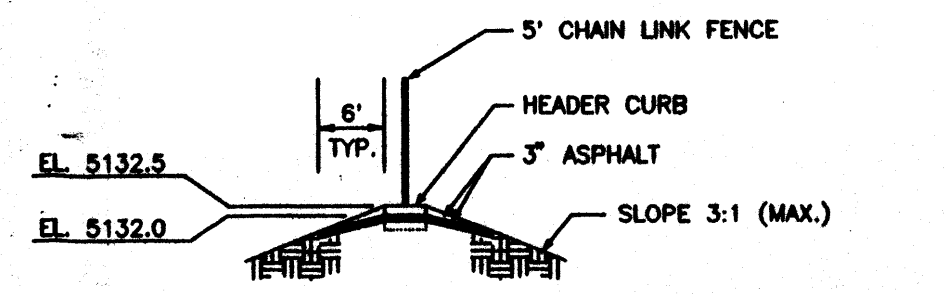
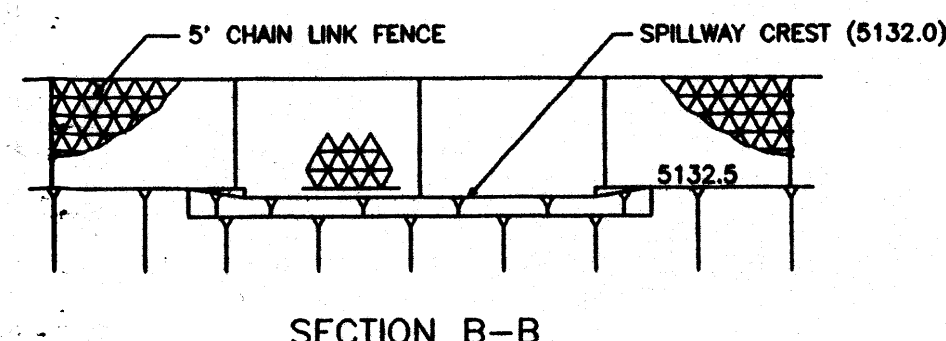
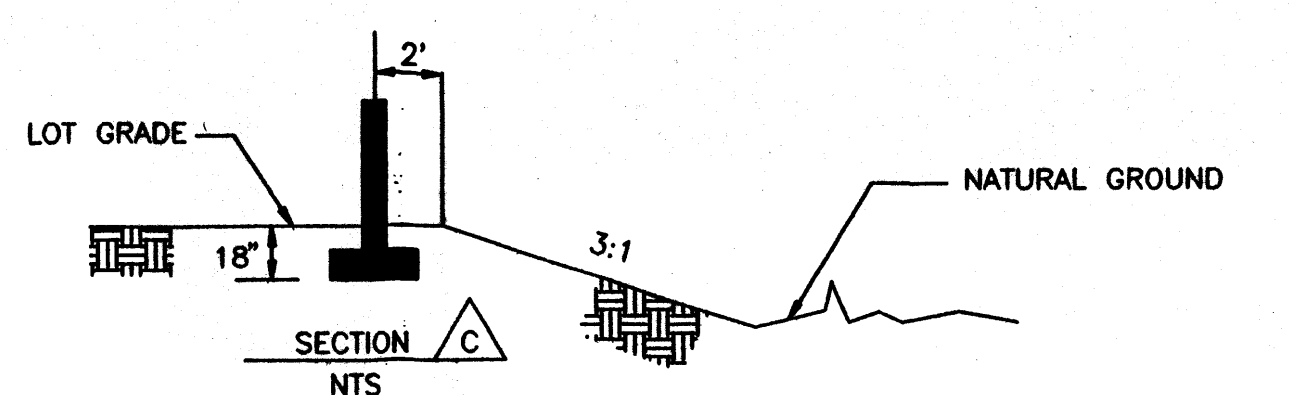
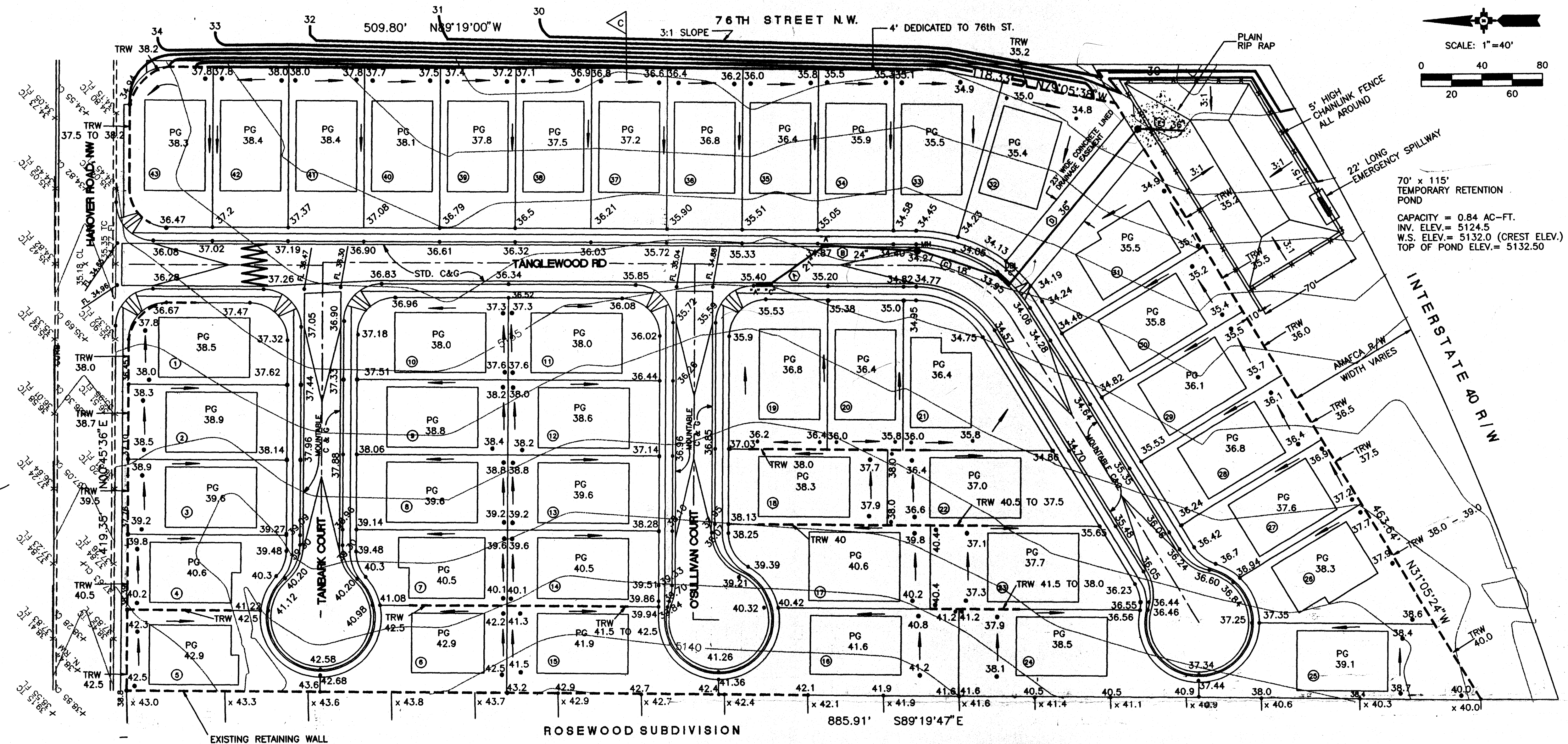
EXISTING CONTOURS	• 45.7
PROPOSED SPOT ELEVATIONS	• 45.7
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CHAIN LINE FENCE	x x x
LOT NO.	③
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DOUBLE INLET	■
SINGLE INLET	■
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HANOVER ROAD, NW INTERCEPTS OFFSITE FLOWS ORIGINATING FROM NORTH OF THE PROPOSED TANGLEWOOD SUBDIVISION AND DIVERTS THEM EASTWARD TO THE LAURELWOOD PARK DRAINAGE MANAGEMENT AREA AT THE NORTHWEST CORNER OF HANOVER ROAD, NW AND 72ND STREET, NW. THE ROSEWOOD SUBDIVISION IS IMMEDIATELY WEST OF THE PROPOSED SITE AND UPON ITS COMPLETION WILL INTERCEPT ALL OVERLAND RUNOFF THAT PREVIOUSLY DRAINED ONTO THE PROPOSED TANGLEWOOD SUBDIVISION. PRESENTLY, RUNOFF ORIGINATING ON THE PROPOSED TANGLEWOOD SUBDIVISION DRAINS EASTWARD PRIMARILY AS SHEET FLOW WITH A GRADIENT OF APPROXIMATELY 2%. THE RUNOFF ENTERS THE NORTH EDGE OF THE I-40 RIGHT-OF-WAY AND DRAINS TO A 24-INCH DIAMETER CMP UNDER I-40 AT THE SOUTH END OF TRACT 227. APPROXIMATELY 1500' FARTHER EAST, A DOUBLE 5' X 3' CONCRETE BOX CULVERT UNDER THE INTERSTATE COLLECTS ANY RUNOFF THAT ESCAPES THE 24-INCH CULVERT.

PROPOSED IMPROVEMENTS

EXCEPT FOR A SMALL AREA AT THE ENTRANCE TO THE SITE AT HANOVER ROAD, THE DEVELOPED RUNOFF WILL BE COLLECTED FROM EACH LOT AND DRAINED TO THE INTERIOR STREETS. THE INTERIOR RUNOFF WILL DRAIN VIA THE PROPOSED STREETS TO A LOW POINT IN TANGLEWOOD ROAD NEAR WHERE IT CURVES TO THE SOUTHWEST. FROM HERE THE RUNOFF WILL BE COLLECTED IN A STORM DRAIN PIPE SYSTEM WITH A CAPACITY TO CARRY RUNOFF FROM TWO TIMES THE 100 YEAR AMOUNT AND BE DIRECTED INTO A TEMPORARY RETENTION BASIN AT THE SOUTH END OF THE SUBDIVISION WITHIN THE ADJACENT AMAFCA RIGHT-OF-WAY. THE TEMPORARY RETENTION POND WILL BE EQUIPPED WITH A 22' LONG EMERGENCY SPILLWAY CAPABLE OF DISCHARGING A FLOW RATE EQUAL TO THE 100-YEAR, 6-HOUR RUNOFF FROM THE TANGLEWOOD SUBDIVISION INTO THE I-40 RIGHT-OF-WAY. WHEN THE WEST BLUFF OUTFALL CHANNEL IS CONSTRUCTED, THE TEMPORARY RETENTION POND WILL BE REMOVED. THE 36-INCH STORM PIPE WILL BE EXTENDED AND CONNECTED TO THE NORTH SIDE OF THE CHANNEL AND SO WILL THE 23' WIDE CONCRETE LINED SURFACE DRAINAGE EASEMENT THAT ALSO SERVES AS A PEDESTRIAN ACCESS TO THE FUTURE TRAIL SYSTEM PLANNED AT THE NORTH EDGE OF THE CHANNEL.

APPROVED FOR ROUGH GRADING

AMAFCA APPROVAL

DATE

RECEIVED APR 29 1997 CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT HYDROLOGY SECTION	
TITLE: TANGLEWOOD SUBDIVISION GRADING AND DRAINAGE PLAN	
Design Review Committee	City Engineer Approval
City Project No.	Zone Map No. J-10
Sheet	of

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	8-J10 AN N.M.S.H.C. BRASS CAP STAMPED "HWY.R.W. STA. 1206+46.93, 8-J10" SET IN CONCRETE	DATE	FIELD NOTES	NO.	BY	REMARKS
INSPECTOR	DATE	POST FLUSH WITH THE GROUND ELEVATION 5130.013.	DATE				
VERIFICATION BY	DATE		DATE				
CONDUCTED BY	DATE		DATE				
MICRO-FILM INFORMATION		DESIGNED BY		DRAWN BY		CHECKED BY	