


• L E G E N D •


MATERIALS


CONCRETE 


RIP-RAP 


LINES


SUBDIVISION BOUNDARY 


PROPERTY LINE (PLAN) 

PROPERTY LINE (SECTION) 











CENTERLINE 

EASEMENT LINE 


MATCH LINE 


SECTION CUT LINE 


EARTHWORK


	EXISTING	NEW
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 

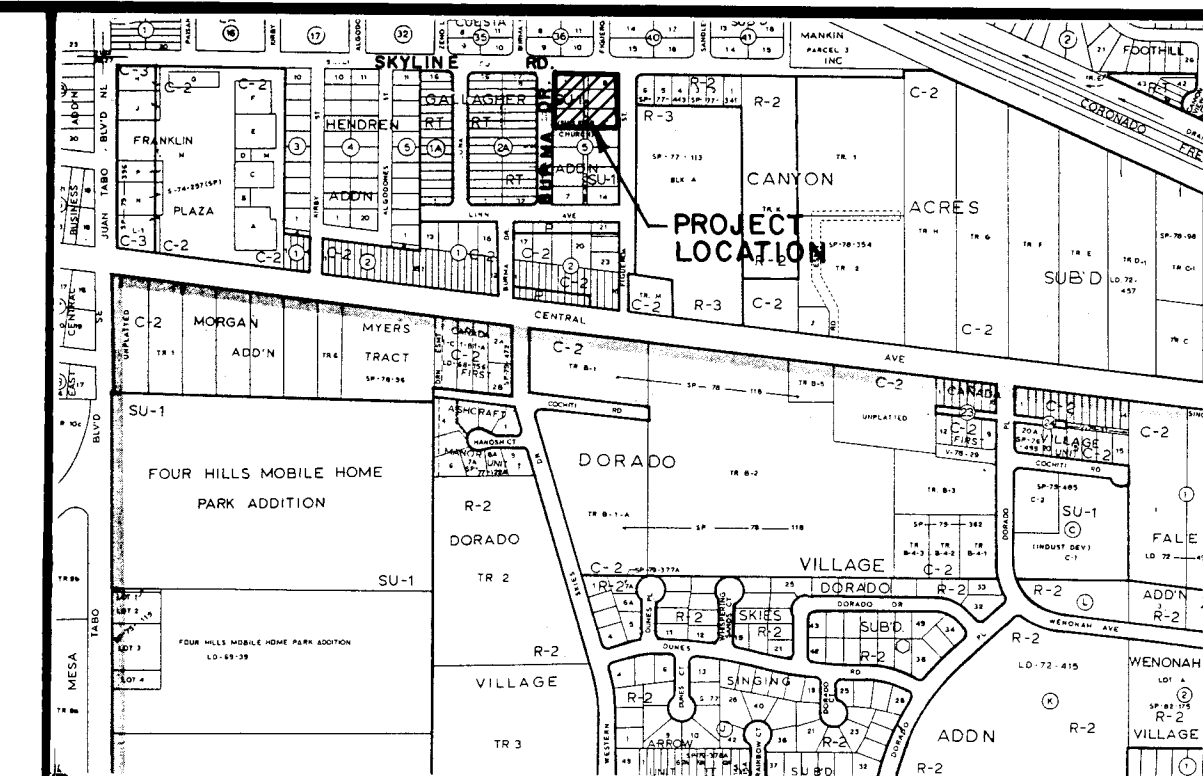
RETAINING WALL 

POWER OR TELEPHONE POLE 

CONSTRUCTION PLANS FOR OAKCREST ESTATES SEPTEMBER, 1986

INDEX OF DRAWINGS

1. COVER SHEET, INDEX OF DRAWINGS, GENERAL NOTES & LEGEND
2. FINAL PLAT
3. GRADING & DRAINAGE PLAN
4. SITE PLAN
5. FIGUEROA STREET N.E. SANITARY SEWER EXTENSION



VICINITY MAP
SCALE: 1"=800'

L-22

GENERAL NOTES:

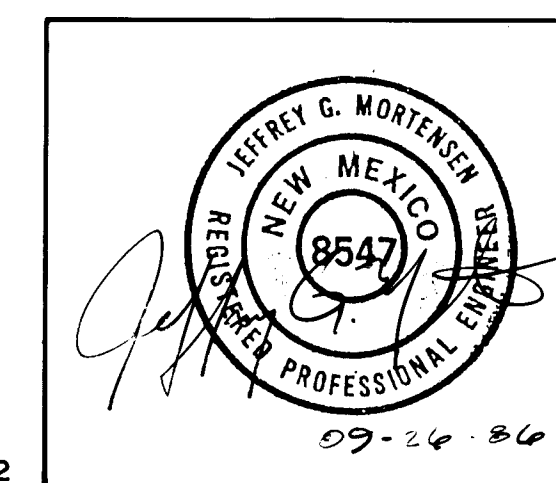
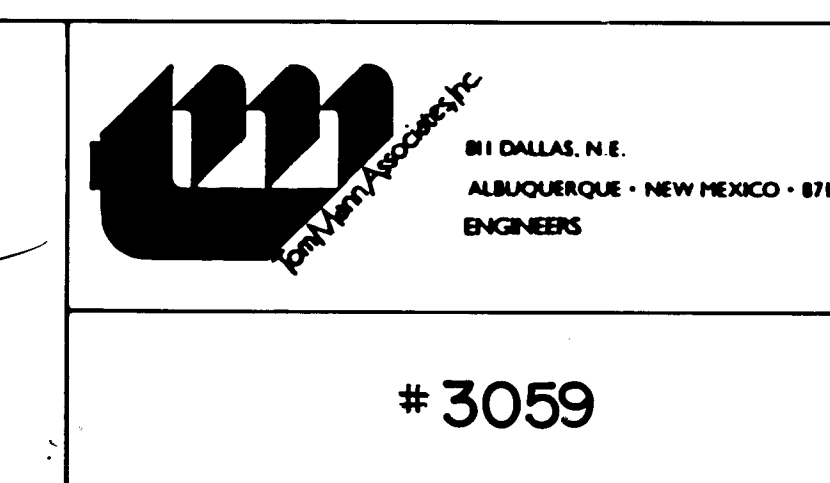
1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS - PUBLIC WORKS CONSTRUCTION - 1985.
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
3. 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 UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES, 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.
4. 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.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
6. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
7. THE CONTRACTOR MUST SUBMIT A CONSTRUCTION SIGNING AND BARRICADING PLAN TO TRAFFIC ENGINEERING TO RECEIVE A BARRICADING PERMIT 48 HOURS PRIOR TO CONSTRUCTION.
8. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
9. BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
10. TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
11. SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
12. 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.
13. ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Brian L. Spaul
DATE 6/11/87

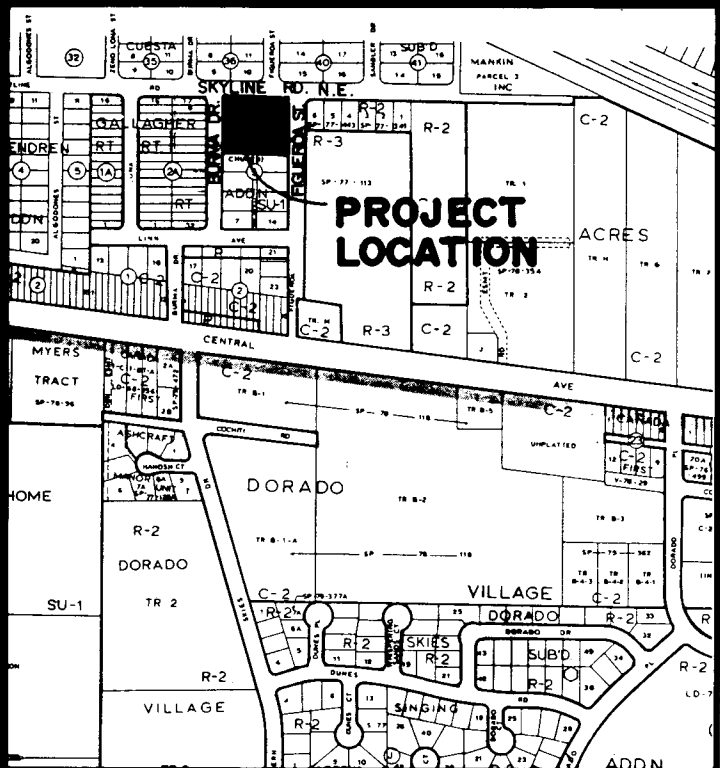
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REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

APPROVAL OF REVISIONS

		APPROVED FOR CONSTRUCTION <i>Walter J. Spaul</i> 9/21/87 C.E.
# 3059		SHEET 1 OF 5

S.P. # 08-21-1921



VICINITY MAP

L-22

Notes:

1. A field survey was performed on August 20, 1986.
2. No street mileage was created.
3. All distances are ground distances.
4. Site located within Section 27, T10N, R4E, N.M.P.M.
5. Bearing base is plat of "Gallagher Addition" filed June 28, 1949, Book C, Page 152.

6. The purpose of this plat is to subdivide Lots 1, 2, 3, 8, 9, 10 and the alley vacated by V-115 (February 6, 1956) into 13 lots plus grant the necessary easements as shown hereon.
7. Rotation factor = 0.28'09" CLOCKWISE

- A. The Public Service Company of New Mexico for the installation, maintenance, and service of overhead and underground electrical lines, transformers, and other equipment necessary to provide electrical service.

- B. The Gas Company of New Mexico for installation, maintenance, and service of natural gas lines, valves and other equipment necessary to provide natural gas.

- C. Mountain Bell for the installation, maintenance and service of all buried and aerial communication lines and other related equipment and facilities reasonably necessary to provide communication services, including but not limited to above ground pedestals and closures.

- D. Jones Intercable for the installation, maintenance, and service of such lines, cables, and other related equipment and facilities reasonably necessary to provide Cable TV service.

Included is the right of ingress and egress for the construction and maintenance and the right to trim interfering trees and shrubs. Also included is the right to install and maintain service lines.

LEGAL DESCRIPTION

A certain tract of land located within the Corporate Limits of the City of Albuquerque, New Mexico, comprising Lots 1, 2, 3, 8, 9, 10 and the public alley vacated by V-115 (February 6, 1956) Block 5, Gallagher Addition, as shown on the plat filed in the Office of the County Clerk of Bernalillo County, New Mexico on June 28, 1949, Book C, Page 152, and being more particularly described as follows:

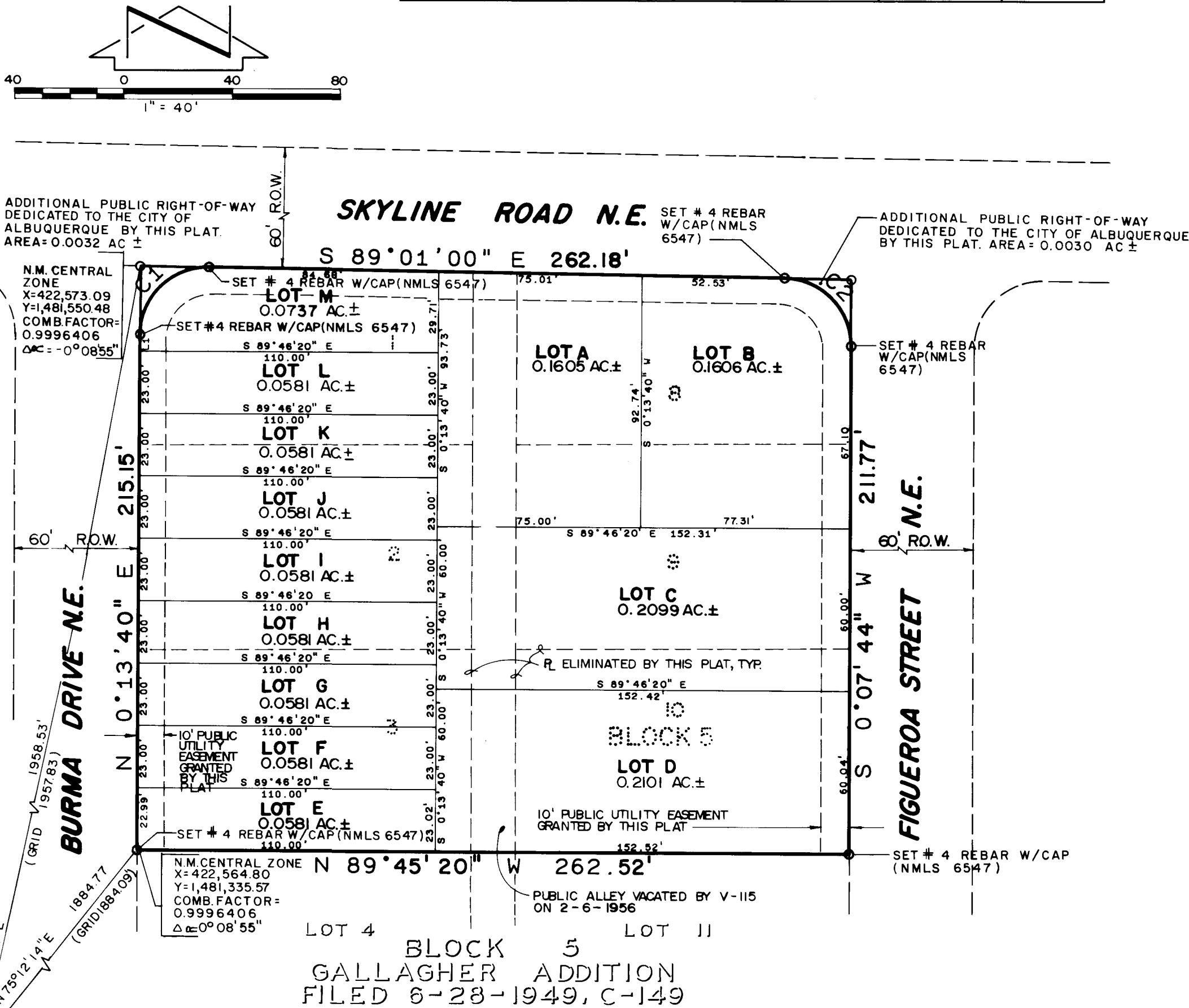
Beginning at the southwest corner of the parcel herein described, being common with the southwest corner of said Lot 3, and also being a point on the east right-of-way of Burma Drive N.E.; thence N 00°13'40" E a distance of 215.15 feet along said right-of-way line to a point on the south right-of-way line of Skyline Road N.E.; thence S 89°01'00" E a distance of 262.18 feet along said right-of-way line to a point on the west right-of-way line of Figueroa Drive N.E.; thence S 00°07'44" W a distance of 211.77 feet along said right-of-way line; thence N 89°45'20" W a distance of 262.52 feet to the point of beginning and containing 1.2835 acres more or less.

08713613

SUBDIVISION PLAT OF
OAKCREST ESTATES
A REPLAT OF LOTS 1,2,3,8,9,10
AND THE VACATED PUBLIC ALLEY WITHIN
BLOCK 5, GALLAGHER ADDITION
ALBUQUERQUE, NEW MEXICO
SEPTEMBER, 1986

LINE	BEARING	DISTANCE
L1	N 0°13'40" E	215.15

CURVE	ARC	DELTA	RADIUS	CHORD LENGTH	CHORD BEARING	TAN LENGTH
C1	39.60	92°45'50"	25.00	35.35	N 45°06'20" E	28.33
C2	38.90	89°08'44"	25.00	35.08	S 4°26'38" E	24.63



DEDICATION and FREE CONSENT

The undersigned owners of the land shown hereon do hereby consent to the subdivision of said land in the manner shown on this plat and do hereby grant the easements shown including the rights of ingress and egress and the right to trim interfering trees.

Sharon Kuretski 12-16-86
PETE KURETSKI SHARON KURETSKI DATE
OAKCREST INTERNATIONAL CORPORATION BY BERT SINGLETARY 12-16-86 DATE

ACKNOWLEDGEMENT

STATE OF NEW MEXICO) SS
COUNTY OF BERNALILLO)
The foregoing instrument was acknowledged before me this 16th day of December, 1986.

Charles G. Cala, Jr.
Notary Public

D.A.B. 86-623 5-85-57

APPROVALS:

Frank Cloud 2-11-87
Planning Director, City of Albuquerque, N.M. Date
Jon E. Entegaard 9-23-86
Water Utilities, City of Albuquerque, N.M. Date
Frank J. Aguirre 2-9-87
City Engineer, City of Albuquerque, N.M. Date
Frank J. Aguirre 2-9-87
A.M.A.F.C.A. Date
Robert A. Romo 9-23-86
Traffic Engineer, City of Albuquerque, N.M. Date
Jane Y. Smith 9-23-86
Public and Recreation, City of Albuquerque, N.M. Date
Chas. Chet 09/28/86
Chief City Surveyor, City of Albuquerque, N.M. Date
Priscilla J. Ruble 9/18/86
Property Manager, City of Albuquerque, N.M. Date
John Myers 9-23-86
Public Service Company of New Mexico Date
Med. Carter 9-19-86
Gas Company of New Mexico Date
Shag Hunt 9-22-86
Mountain Date

CERTIFICATION

I, Thomas T. Mann, Jr., a registered Land Surveyor under the laws of the State of New Mexico, do hereby certify that this plat was prepared by me or under my supervision; shows all easements noted in a title report prepared by Southwest Guaranty & Title Co. on August 21, 1986 (GF No. 5058SW); meets the minimum requirements of monumentation and surveys of the Albuquerque Subdivision Ordinance and is true and correct to the best of my knowledge and belief.

Thomas T. Mann, Jr. 8-27-86
Thomas T. Mann, Jr. N.M. 3792 DATE

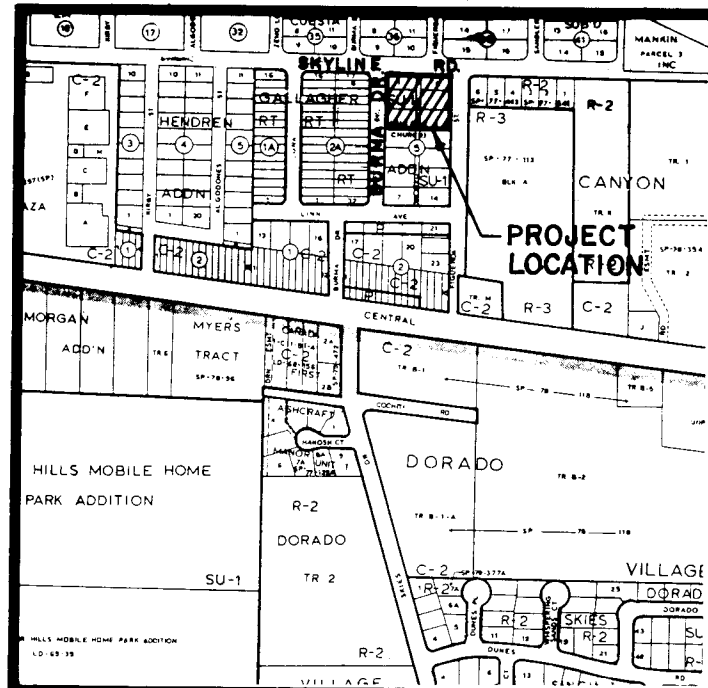
ACKNOWLEDGEMENT

STATE OF NEW MEXICO) SS
COUNTY OF BERNALILLO)
The foregoing instrument was acknowledged before me on this 27th day of August, 1986.

Charles G. Cala, Jr.
Notary Public



C32 - 181



VICINITY MAP
SCALE: 1" = 800'

PROJECT BENCHMARK

THE STATION MARK IS A STANDARD ACS BRASS TABLET, STAMPED "3-K-22-1974" CEMENTED IN A DRILL HOLE IN TOP OF CONCRETE CURB. THE STATION IS ABOUT 40 FT. SOUTHWEST OF THE INTERSECTION OF ZENA LOMA ST. AND CLOUDVIEW AVE.
ELEVATION = 5574.87 ft. (M.S.L.D.)

TEMPORARY BENCHMARK

A CHISELED "Z" LOCATED ON TOP OF CURB AN EXTENSION OF THE SOUTHEAST PROPERTY CORNER.
ELEVATION = 5574.33 ft. (M.S.L.D.)

LEGAL DESCRIPTION

LOTS 1,2,3,8,9,&10,
BLOCK 5, GALLAGHER ADDITION.

LEGEND

- EXIST. SPOT ELEVATION
- EXIST. CONTOUR
- EXIST. PROPERTY LINE
- PROPOSED SPOT ELEVATION
- PROPOSED CONTOUR
- PROPOSED CONCRETE PAVEMENT
- PROPOSED ASPHALT PAVEMENT
- BASIN BOUNDARY
- PROPOSED RETAINING WALL



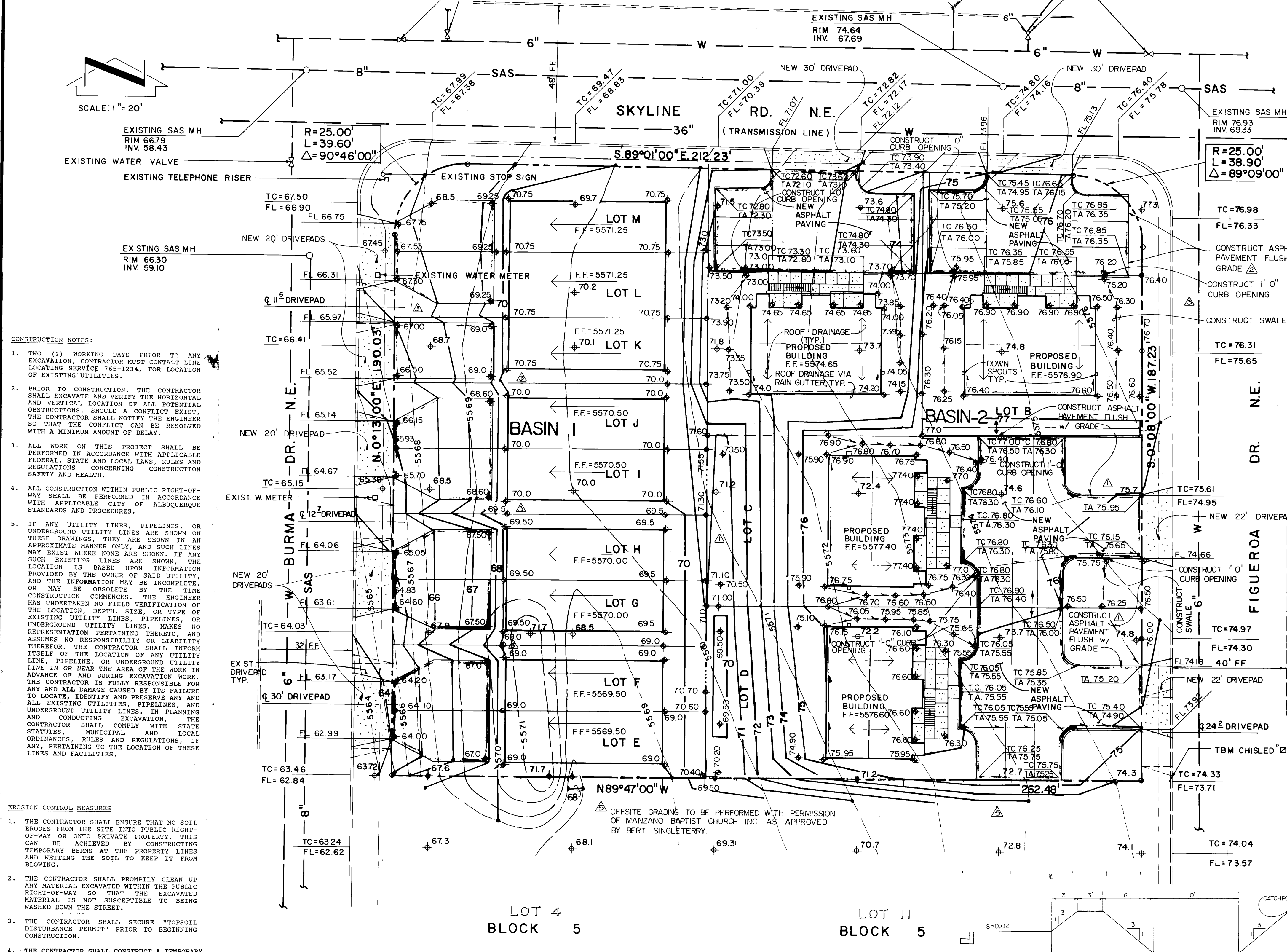
EXISTING WATERSHED MAP
SCALE: 1" = 400'



DEVELOPED WATERSHED MAP
SCALE: 1" = 400'

MAP No. L-22

MAP No. L-22



The following items concerning the Oakcrest Estates Drainage Plan are contained hereon:

Drainage Plan

1. Vicinity Map
2. Watershed Maps
3. Grading Plan
4. Calculations

As shown by the Vicinity Map, the site is located on the south side of Skyline Road N.E. between Burma Drive N.E. and Figueroa Street N.E. At present the site is undeveloped, much of the surrounding area is currently developed thereby making this an infill site. As shown by Plate L-22 of the Albuquerque Master Drainage Study, this site does not lie within a designated Flood Hazard Zone, however downstream flooding is apparent and therefore does appear to be a problem. No offsite flows enter the site along the north, west and east property lines since the adjacent streets route runoff away from the project site. No offsite flows enter the site along the south property since the adjacent site is graded in a manner which will route runoff away from the project site. Runoff generated onsite flows from east to west onto Burma Drive N.E. From that point the runoff flows south onto Lynn Avenue N.E. which flows in a westerly direction into an existing retention pond located west of Lynn Avenue N.E. as shown on the Watershed Maps above.

As shown by the Watershed Maps taken from Map L-22 of the Albuquerque Master Drainage Study, the project site contributes runoff to the aforementioned retention pond. When the project site is developed, runoff generated by Basin 1 will continue to discharge to the existing retention pond which is consistent with the existing drainage pattern. Runoff generated by Basin 2 will be routed outside Basin 1 and hence reduce the overall runoff discharged to the existing retention pond.

The Grading Plan shows 1) existing and proposed grades indicated by contours at 1'0" intervals, 2) continuity between existing and proposed grades, 3) the limit and character of the proposed improvements. As shown by this Plan, the proposed improvements consist of the construction of four apartment complexes (Phase I) along with adjacent paving and landscaping and nine townhomes (Phase II) which will be constructed at a later time. The grading for the entire project site will be performed as a single operation, however the construction of the four-plexes will be done simultaneously under separate permits. Because of this the interface between lots and phases will not be a problem. Runoff generated by the proposed improvements within Basin 1 will flow from east to west onto Lynn Avenue N.E. From that point, the runoff will flow in a westerly direction to the aforementioned retention pond located west of Lynn Avenue N.E. This Plan is consistent with existing drainage patterns. The proposed drainage pattern will improve the existing drainage by decreasing the amount of runoff discharged to the retention pond by 7.9 cfs. Because the watershed downstream is already developed, the development of the nine townhouse lots will not affect the frequency of runoff. Basin 2 consists of four townhomes. The developed runoff resulting from the roofs via rain gutters, drives and walks will only generate runoff based upon what falls on these landscaped areas and no hard surface developed flows. Flows generated by Basin 2 will be routed from west to east and discharged into existing catch basins located in Central Avenue. In addition, some portion of the flows generated by Basin 2 will flow from south to north onto Skyline Drive N.E. From that point the runoff will flow west onto Juan Tabo Boulevard N.E. Based upon the fact that this site is an infill site, the proximity of downstream facilities and a decrease of runoff discharged to the retention pond, the free discharge of runoff from this site is appropriate.

The Calculations which appear hereon analyze both the existing and developed conditions for the 100-year, 6-hour rainfall event. The Rational Method has been used to quantify the peak rate of discharge and the SCS Method has been used to quantify the volume of runoff. Both Methods have been used in accordance with the City of Albuquerque Development Process Manual, Volume II and the Mayor's Emergency Rule adopted January 14, 1986. As shown by these calculations, the proposed improvements will result in a decrease in runoff generated by Basin 1 and a relatively minor increase in runoff generated by Basin 2. The decrease in runoff from Basin 1 by the proposed improvements will be approximately 0.9 cfs. The increase in runoff from Basin 2 will be approximately 2.3 cfs.

Calculations

Ground Cover Information

From SCS Bernalillo County Soil Survey, T9B - Tijeras gravelly fine sandy loam
Plate: 32
Hydrologic Soil Group: B
Existing Pervious CN = 70 (DPM Plate 22.2 C-2)
Pasture or Range Land (fair condition)
Developed Pervious CN = 61 (DPM Plate 22.2 C-2)
Time of Concentration/Time to Peak
Tc = 0.0078 L^{0.77} S^{0.385} (Kirpich Equation)
Tp = Tc = 10 min.

Basin 2
Atotal = 32,248 sf = 0.74 Ac
Roof area = 5840 sf (0.18)
Paved area = 9,950 sf (0.23)
Landscaped area = 17,530 sf (0.53)
C = 0.58 (Weighted average per Emergency Rule, 1/14/86)
Q100 = CIA = (0.58)(5.26)(0.74) = 2.3 cfs
Aimp = 15,430 sf; % impervious = 47 %
Composite CN = 77 (DPM Plate 22.2 C-3)
DRO = 1.1 in (DPM Plate 22.2 C-4)
V100 = 3630 (DRO) A = 2150 cf

Point Rainfall

P6 = 2.49 in. (DPM Plate 22.2 D-1)

Rational Method

Discharge: Q = CIA

where C varies
C = P6 (6.48) Tc^{-0.51} = 5.26 in/hr
P6 = 2.49 in (DPM Plate 22.2 D-1)
Tc = 10 min (minimum)
A = area, acres

SCS Method

Volume: V = 3630(DRO) A

Where DRO = Direct runoff in inches
A = area, acres

Existing Condition

Atotal = 55,770 sf = 1.28 Ac
C = 0.40 (Weighted average per Emergency Rule, 1/14/86)
Q100 = CIA = (0.40)(5.26)(1.28) = 2.7 cfs
Aimp = 0-0 sf; % impervious = 0-0 %
Composite CN = 70 (DPM Plate 22.2 C-3)
DRO = 1.1 in (DPM Plate 22.2 C-4)
V100 = 3630 (DRO) A = 2,323 cf

Developed Condition

Basin 1
Atotal = 23,522 sf = 0.54 Ac
Roof area = 9,185 sf (0.39)
Paved area = 5,010 sf (0.21)
Landscaped area = 9,327 sf (0.40)
C = 0.65 (Weighted average per Emergency Rule, 1/14/86)
Q100 = CIA = (0.65)(5.26)(0.54) = 1.8 cfs
Aimp = 14,195 sf; % impervious = 60 %
Composite CN = 84 (DPM Plate 22.2 C-3)
DRO = 1.1 in (DPM Plate 22.2 C-4)
V100 = 3630 (DRO) A = 2,156 cf

Erosion Control Measures

1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AT THE PROPERTY LINES AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
2. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
3. THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.
4. THE CONTRACTOR SHALL CONSTRUCT A TEMPORARY EROSION CONTROL BERM ALONG THE WEST PROPERTY LINE OF THE SUBDIVISION TO CONTROL THE EROSION FROM LOTS E THROUGH M REFER TO SECTION A-A.

12/86	LVI	DELETE RETAINING WALL + REVISE GRADES
12/86	LVI	REGRADED PORTION OF SITE + REVISED PLAN + CALCULATIONS
11/86	LVI	REGRADED PORTION OF SITE

NO.	DATE	BY	REVISIONS
1	08/86	LVI	DELETE CURB TO PORTION OF FOUR-PLEX PARKING LOTS
2	11/86	LVI	SHOW RETAINING WALL ALONG SOUTH PROPERTY LINE OF LOTS D + E

DESIGNED BY	LVI
DRAWN BY	C.J.W.
APPROVED	J.G.M.

JOB NO.	60632
DATE	08-86

SECTION A-A

(SEE EROSION NOTE NO. 4)

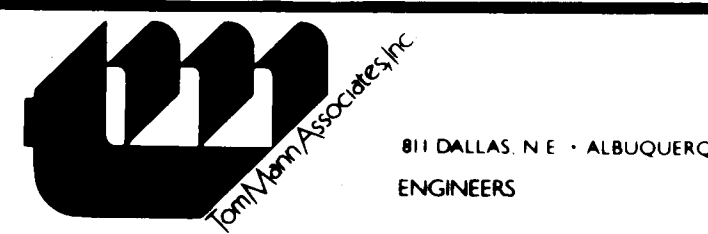
GRADING & DRAINAGE PLAN

OAKCREST ESTATES

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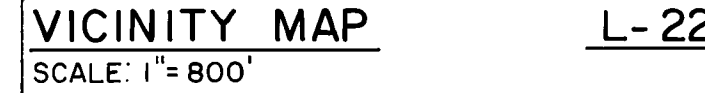
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SHEET 3 OF 5

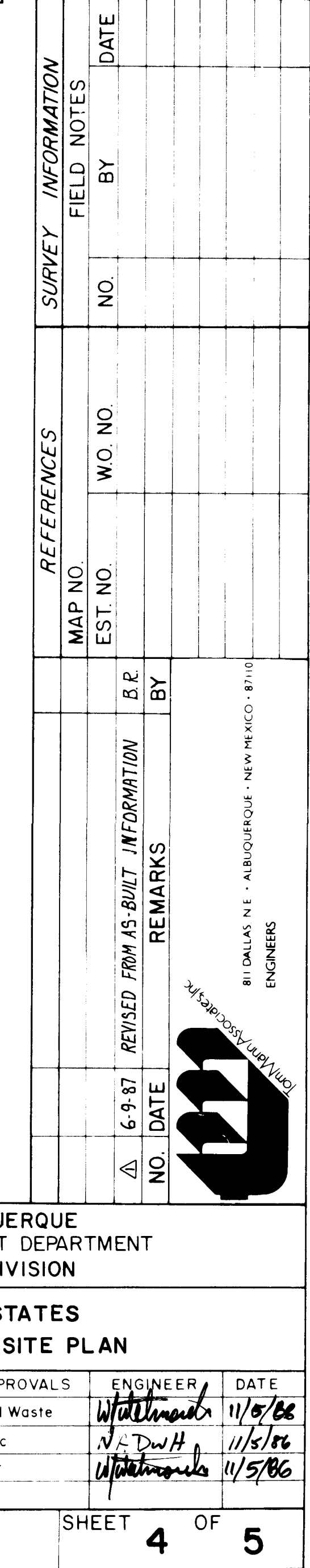


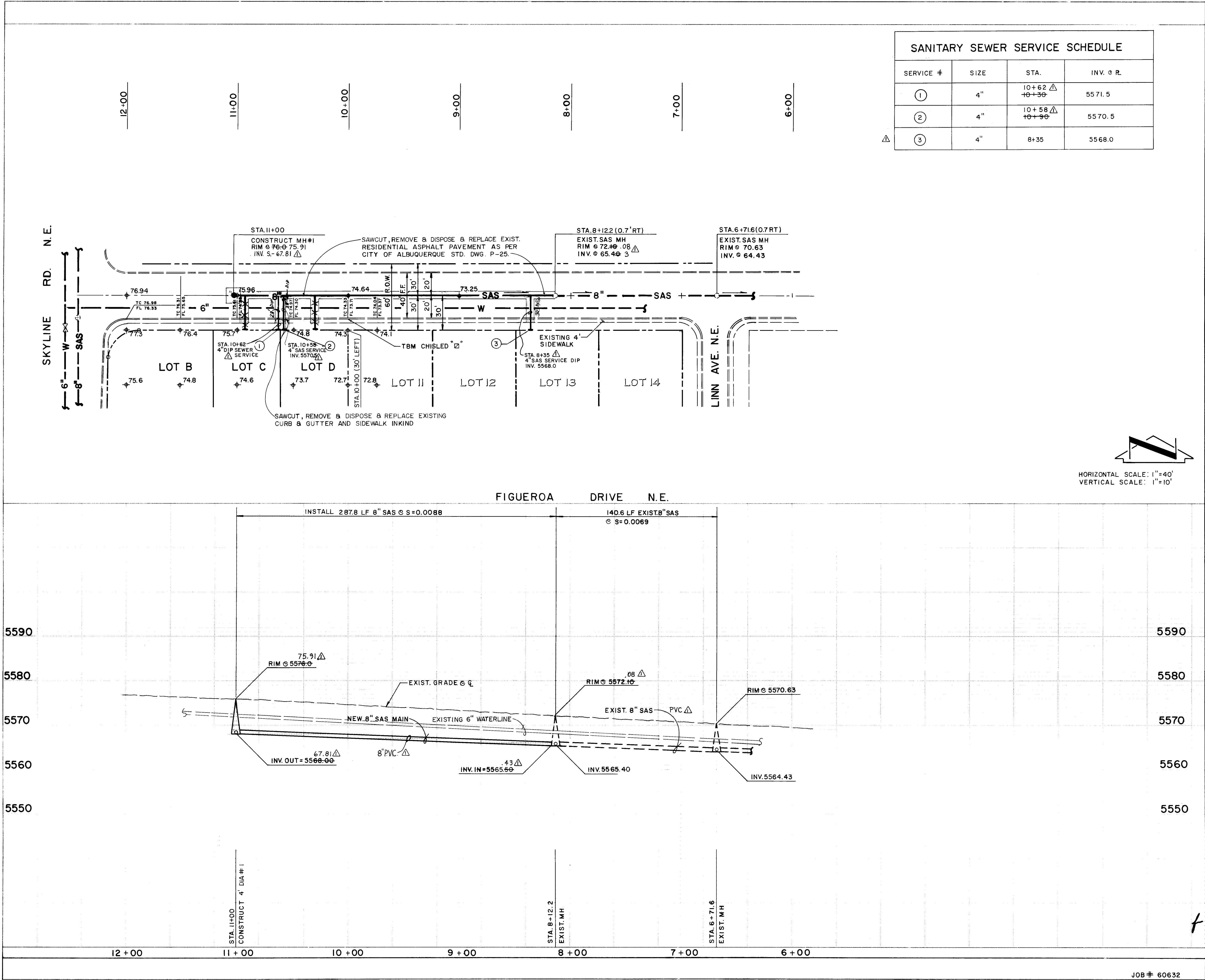
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10-08-86
11-13-86
11-24-86
12-05-86



BENCH MARK'S	THE STATION MARK IS A STANDARD ACS BRASS TABLET, STAMPED " 3" K-22 1974" CEMENTED IN A DRILL HOLE IN TOP OF CONCRETE CURB. THE STATION IS ABOUT 40 FT. SOUTHWEST OF THE INTERSECTION OF ZENA LOMA ST. AND CLOUDVIEW AVE. ELEVATION = 5574.87 ft. (M.S.L.D.)	AS BUILT INFORMATION CONTRACTOR RUSS PITNEY CONST. WORK ORDER BY CITY OF ALBUQU DATE 5-21-81 INSPECTORS ACCEPTANCE BY DATE 6-19-81 VERIFICATION BY DRAWINGS DATE 6-9-81 CORRECTED BY MICRO-FILM INFORMATION RECORDED BY DATE NO
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SANITARY SEWER SERVICE SCHEDULE			
SERVICE #	SIZE	STA.	INV. @ R.
①	4"	10+62 10+30	5571.5
②	4"	10+58 10+30	5570.5
③	4"	8+35	5568.0

HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'

SANITARY SEWER

- ALL STATIONING IS BASED ON CENTERLINE OF ROW.
- SANITARY SEWER LINES SHALL BE PVC OR AS APPROVED BY THE CITY OF ALBUQUERQUE WATER UTILITIES DEPARTMENT.
- ALL MANHOLES SHALL BE 4-FOOT DIAMETER MANHOLES AS PER CITY OF ALBUQUERQUE STANDARD DRAWING S-2 UNLESS OTHERWISE NOTED.
- SEWER SERVICE LATERALS SHALL BE CONSTRUCTED AS PER CITY OF ALBUQUERQUE STANDARD DRAWING S-9.
- CONTRACTOR SHALL REMOVE AND REPLACE EXISTING RESIDENTIAL PAVING FOR CITY-WIDE PAVEMENT CUTS FOR ALL UTILITIES AS PER CITY OF ALBUQUERQUE STANDARD DRAWING P-25.
- DUCTILE IRON AND VITRIFIED CLAY ARE ACCEPTABLE PIPE MATERIALS IN LIEU OF PVC.

26 30 59 05 87



CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: OAKCREST ESTATES SANITARY SEWER LINE EXTENSION					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	1/29/87	Liquid Waste	<i>[Signature]</i>	11/5/86
A C E - Design	" "	"	Traffic	<i>[Signature]</i>	11/5/86
A C E - Hydrology	" "	"	Water	<i>[Signature]</i>	11/5/86
DESIGNED BY J.G.M. DRAWN BY C.J.W. CHECKED BY J.G.M.			DATE 8-86 DATE 8-86 DATE 8-86		
DRAWING NO. 3059		MAP NO. L-22		SHEET 5 OF 5	

ENGINEER'S SEAL		BENCH MARKS		AS BUILT INFORMATION	
		THE STATION MARK IS A STANDARD ACS BRASS TABLET, STAMPED 3-K22 1974, CEMENTED IN A DRILL HOLE IN TOP OF CONCRETE CURB, THE STATION IS ABOUT 4.0 FT. SOUTHWEST OF THE INTERSECTION OF ZENA LOMA ST. AND CLOUDVIEW AVE. ELEVATION = 5574.871 (M.S.L.D.)		DATE 11/5/86 BY <i>[Signature]</i> DATE 11/5/86 BY <i>[Signature]</i>	
REVISIONS		FIELD NOTES		NO	
NO		DATE		DATE	
BY		BY		BY	
REMARKS		NO		NO	
DESIGN		NO		NO	
DATE 8-86		DATE 8-86		DATE 8-86	