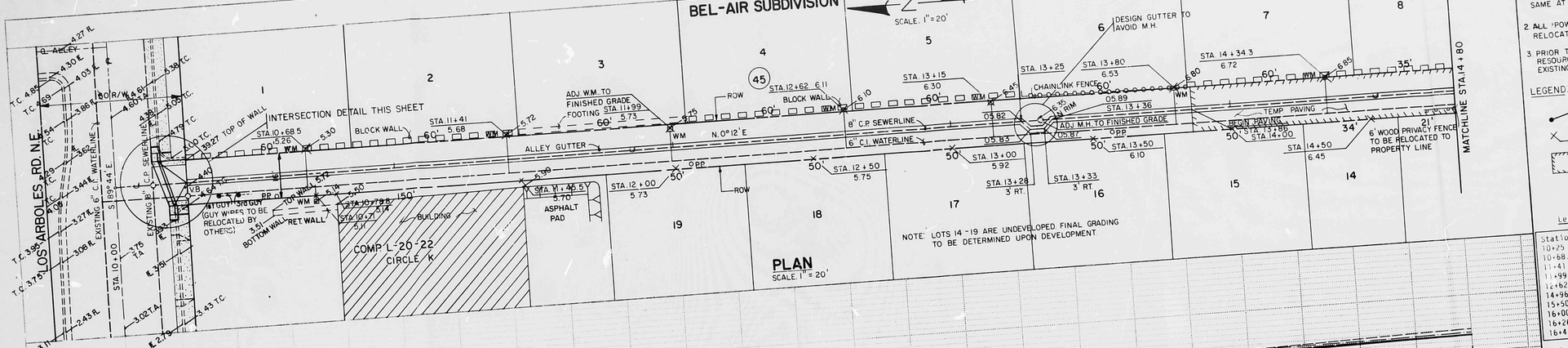
BEL-AIR SUBDIVISION

SCALE 1" = 20'

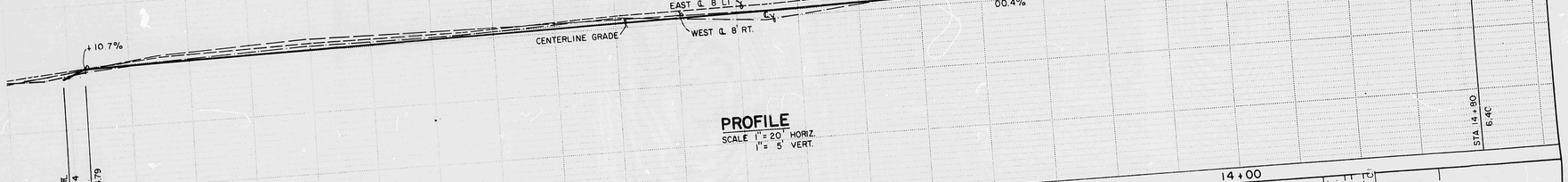
PLAN

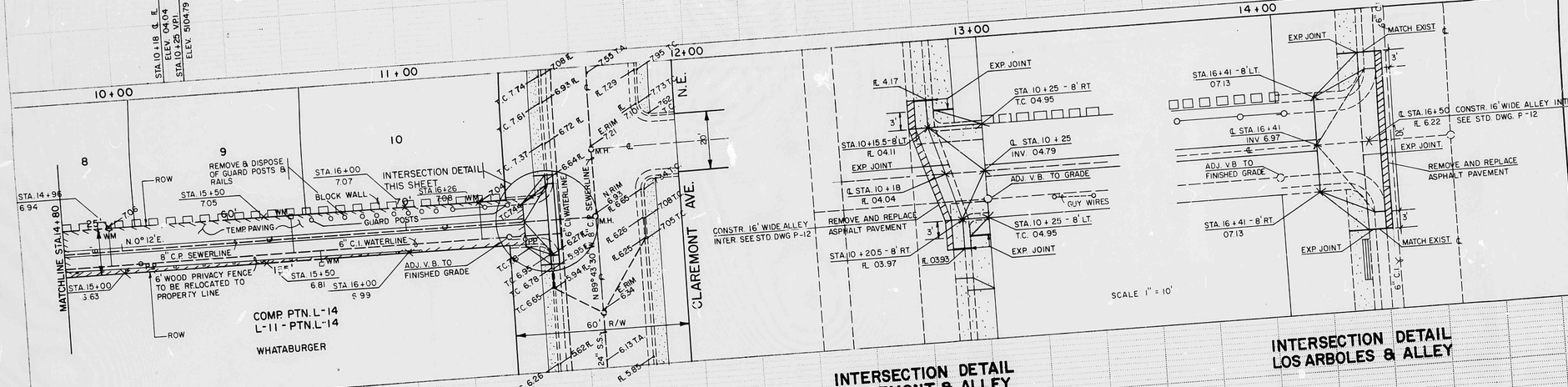
SCALE 1" = 20'



PROFILE

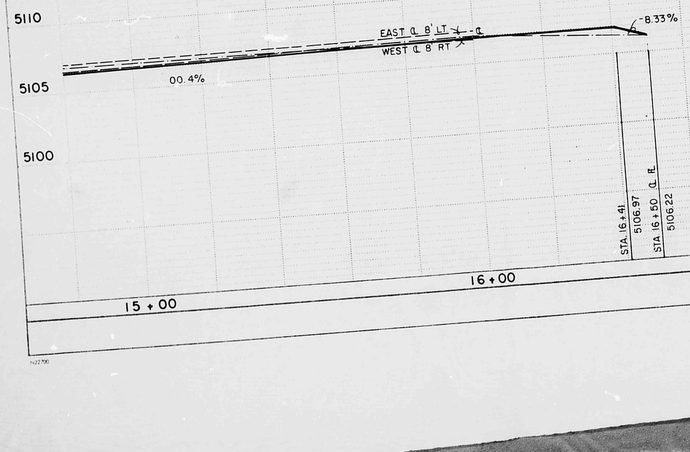
SCALE 1" = 20' HORIZ.
1" = 5' VERT.

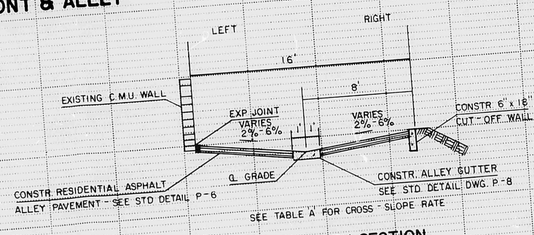




INTERSECTION DETAIL CLAREMONT & ALLEY

INTERSECTION DETAIL LOS ARBOLES & ALLEY





TYPICAL ALLEY SECTION

N.T.S.

NOTES:

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3. PRIOR TO CONSTRUCTION VERIFY WITH WATER RESOURCES IF NEED FOR REPLACEMENT OF EXISTING CONCRETE SAS LINE.

LEGEND

- EXISTING ELEVATIONS
- PROPOSED ELEVATIONS
- REMOVE EXISTING PAVEMENT

TABLE A
Alley Cross-Slopes

Left Side		Right Side	
Station	Slope	Station	Slope
10+25	2%	10+25	2%
10+68.5	4%	10+71	2%
11+41	6%	10+78.8	6%
11+99	6%	11+45.5	6%
12+62	6%	12+00	2%
14+96	6%	12+50	2%
15+50	3%	16+00	2%
16+00	2%	16+41	
16+26	2%		
16+41			

All slope transitions between stations listed will be straight line transitions.

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTORS ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
DS-49	R. GALLEGOS	

ACS 6A-H17 ELEV. 5148.74
PROFILE ALLEY LOCATED B/W HERMOSA & CARLISLE FROM CLAREMONT TO LOS ARBOLES

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 1-31-86
		DESIGNED BY J. LUEHRING	
		DRAWN BY P. HERNANDEZ	DATE
		CHECKED BY	DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: ALLEY GRADES BETWEEN LOS ARBOLES RD. AND CLAREMONT AVE. N.E. - BEL-AIR SUBDIVISION -

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		2/27/86	Liquid Waste		1-31-86
A.C.E.-Design		1/31/86	Traffic		1/31/86
A.C.E.-Hydrology		1/31/86	Water		1-31-86

DRAWING NO. 2734 — MAP NO. H-17N — SHEET 2 OF 2

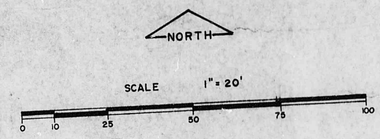
H17 D39

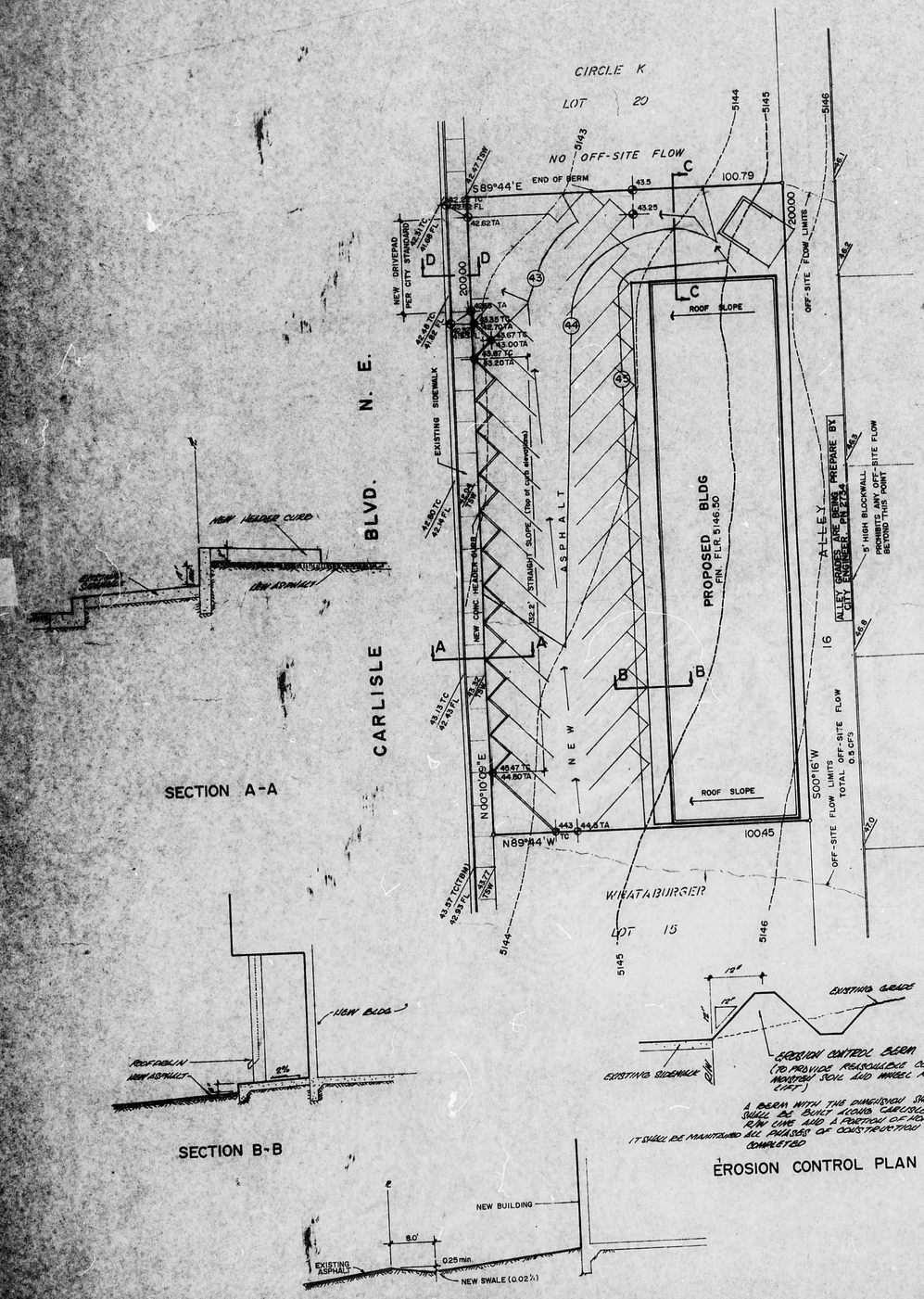
GRADING AND DRAINAGE PLAN

LOTS 16, 17, 18 & 19, BEL-AIR SUBDIVISION
ALBUQUERQUE NEW MEXICO

DECEMBER 4, 1985
REV. JAN. 15, 1986

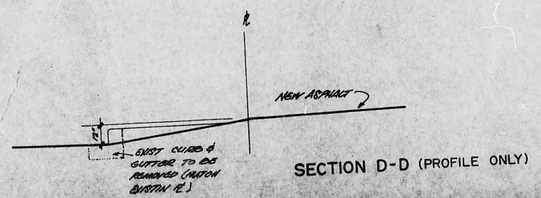
NOTE:
SUBJECT PROPERTY DOES NOT LIE WITHIN A DESIGNATED FLOOD ZONE PER PANEL 23 of 50, SEE REFERENCE 'C.'





EROSION CONTROL PLAN

VICINITY MAP



SECTION D-D (PROFILE ONLY)

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C. Floodway, Flood boundary and Floodway map, City of Albuquerque, New Mexico, Bernalillo County, Panel 23 of 53.

D. City of Albuquerque Zone Atlas page H-17-Z.

E. City Benchmark Datum, reference to benchmark 6A-H-17, elevation 5148.74, temporary benchmark as shown on drainage plan marked, □ TBM elevation 5143.57' (MSL).
(NOTE "□ TBM" SYMBOL SPRAY PAINTED TOP OF CURB)

II. GENERAL INFORMATION:

A. Soil Type (Ref. B, Page 21) Soil type is Wink-Embudo Complex (WeB), Hydrologic soil group "B".

B. Imperviousness:

Type of Surface	Existing Area Sq. Ft. / Acres		Proposed Area Sq. Ft. / Acres	
Building Roof			7650	0.1756
Concrete Surfaces			252	0.0058
Asphalt Surfaces	VACANT LOT		9487	0.2178
Landscaping			2735	0.0628
Undeveloped Surface				
Site Total	20124	0.4620	20124	0.4620
Percent Impervious	0.0%		86%	

C. "C" Factor (See Ref. A, Plate 22.2 C-1)
1. Undeveloped "C" Factor = 0.34
2. Developed "C" Factor = 0.82

D. Rainfall, 100-year, 6-hour, R(6); (See Ref. A, Plate 22.2 D-1); R(6) = 2.25 inches.

E. Time of Concentration, Tc; Tc 10 minutes. Use 10 minutes (minimum value) for calculations.

F. Rainfall intensity, I; (See Ref. A, Plate 22.2 D-2)
I = R(6) x 6.84 x Tc(-0.51)
= 2.25 x 6.84 x 10(-0.51)
= 4.76 in/hr

III. PEAK DISCHARGE:

A. Existing Conditions. (Use Rational Equation)
Q(100) = 0.34 x 4.76 x 0.46 = 0.74 cfs
Q(10) = 0.657 x 0.74 = 0.49 cfs (Ref. A, Plate 22.2 D-1)

B. Developed Conditions.
Q(100) = 0.82 x 4.76 x 0.46 = 1.80 cfs
Q(10) = 0.657 x 1.80 = 1.18 cfs
Increase of 1.06 cfs due to new addition.

IV. CONCLUSIONS:

1. As shown on additional separate submittal, the site is at the bottom of the contributing water shed basin and therefore it would discharge into the flood channel first.

2. An increase of 1.06 cfs due to new development is a comparatively small amount (to the total contributing basin) and therefore would not adversely affect downstream conditions (minimum impact).

3. This is an infill development.

4. All runoff generated by development is discharged to Carlisle Boulevard via the drive pad. The two adjacent developed (Circle K & Whataburger) discharge freely into Carlisle.

5. All off-site flows are accepted as shown on drainage plan.

V. CONSTRUCTION NOTES:

1. Two (2) working days prior to any excavation, contractor must contact line locating service at 765-1234 for location of existing utilities.

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3. 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.

4. All construction within City Right-of-Way shall be performed in accordance with applicable City of Albuquerque standards and proceedures.

SYMBOL LEGEND

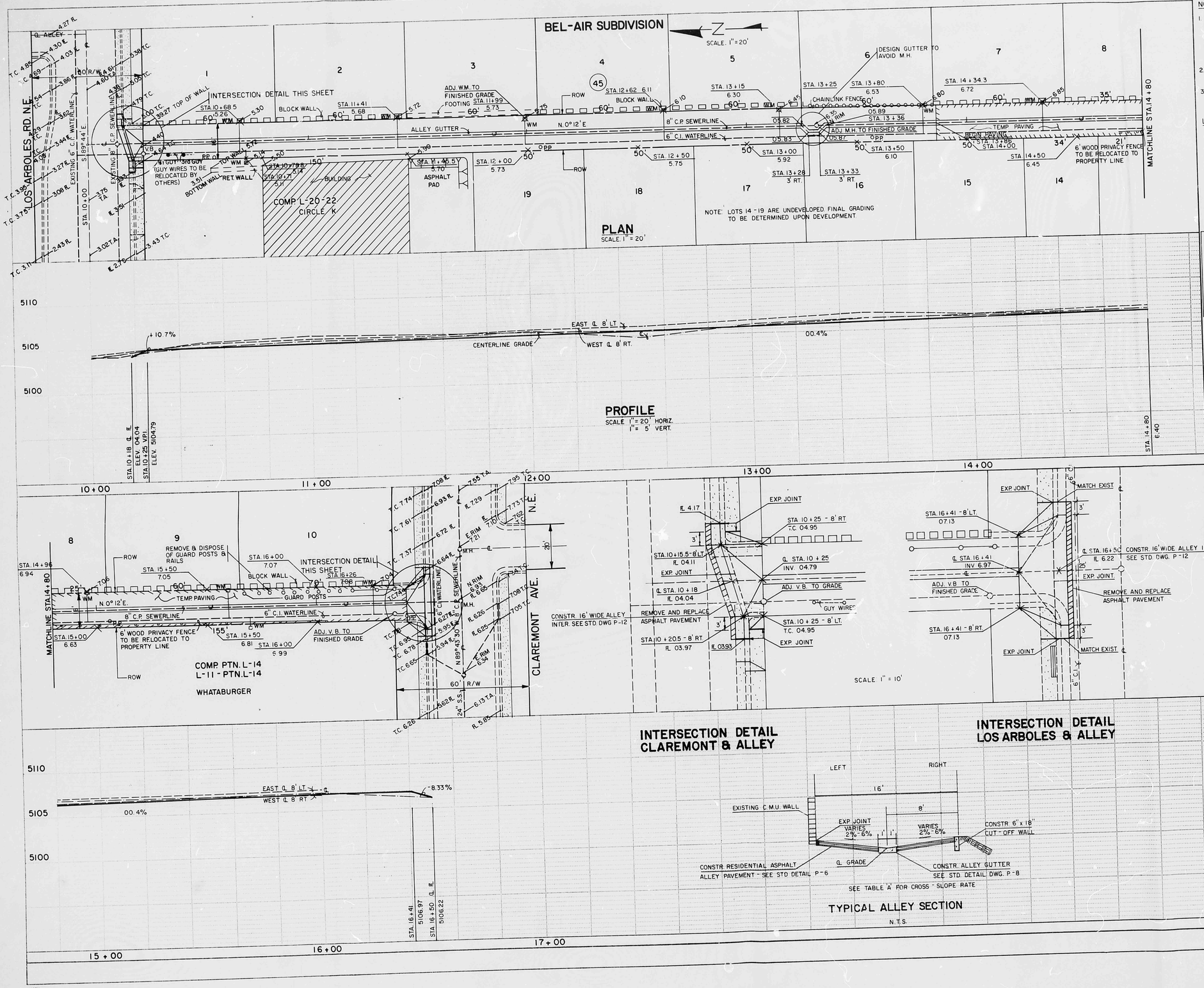
	Existing contour
	Proposed contour
	Direction of flow
	Proposed spot elevation
TA	Top of asphalt
RD	Roof drain
TC	Top of curb
TSW	Top of sidewalk

GRADING AND DRAINAGE PLAN

2828 CARLISLE BOULEVARD NE
ALBUQUERQUE, NEW MEXICO

C-2

H17/D39



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LEGEND

- EXISTING ELEVATIONS
- PROPOSED ELEVATIONS
- REMOVE EXISTING PAVEMENT

TABLE A
Alley Cross-Slopes

Left Side		Right Side	
Station	Slope	Station	Slope
10+25	2%	10+25	2%
10+68.5	4%	10+71	2%
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12+62	6%	12+00	4%
14+96	6%	12+50	2%
15+50	5%	16+00	2%
16+00	3%	16+41	2%
16+26	2%		
16+41	2%		

All slope transitions between stations listed will be straight line transitions.

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STARTED BY — DATE
INSPECTORS — DATE
FIELD TOLERANCE BY — DATE
VERIFICATION BY — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

BENCH MARKS
ACS 6A-H17 ELEV. 5148.74
PROFILE ALLEY LOCATED B/W HERMOSA & CARLISLE FROM CLAREMONT TO LOS ARBOLES.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
DS-49 R. GALLEGOS

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DESIGNED BY J. LUEHRING DATE 1-31-86
			DRAWN BY P. HERNANDEZ DATE
			CHECKED BY

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: ALLEY GRADES BETWEEN LOS ARBOLES RD. AND CLAREMONT AVE. N.E. - BEL-AIR SUBDIVISION -

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[signature]	2/27/86	Liquid Waste	[signature]	1-31-86
A.C.E.-Design	[signature]	1/31/86	Traffic	[signature]	1/31/86
A.C.E.-Hydrology	[signature]	1/31/86	Water	[signature]	1-31-86

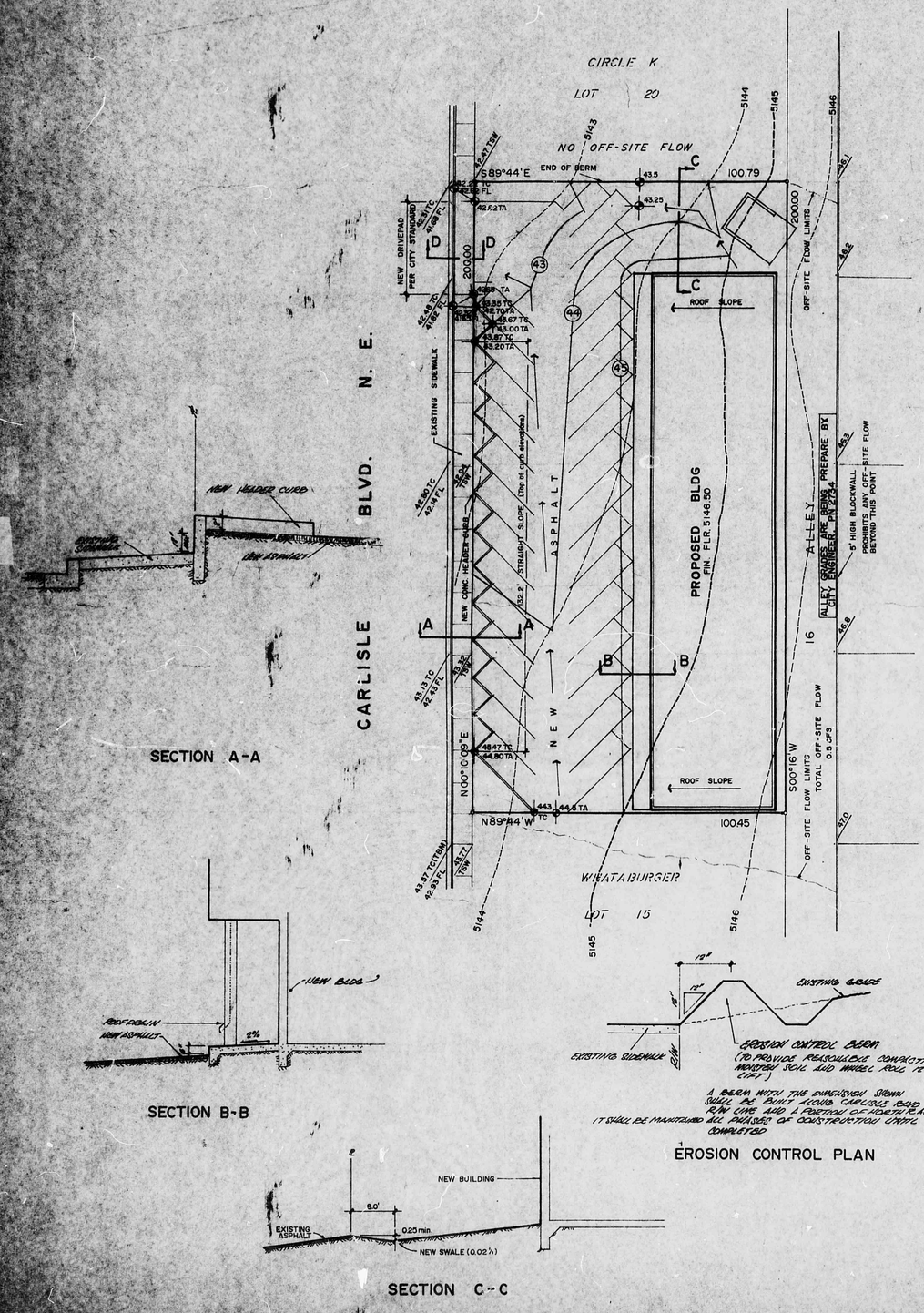
DRAWING NO. 2734 — MAP NO. H-17N — SHEET 2 OF 2

H17/D39

GRADING AND DRAINAGE PLAN

LOTS 16, 17, 18 & 19, BEL-AIR SUBDIVISION

ALBUQUERQUE NEW MEXICO



FRANK O. LOVELADY
NEW MEXICO
6512
REGISTERED PROFESSIONAL ENGINEER

DECEMBER 4, 1985
REV. JAN. 15, 1986

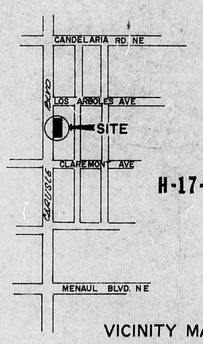
NOTE:

SUBJECT PROPERTY DOES NOT LIE WITHIN A DESIGATED FLOOD ZONE PER PANEL 23 of 50, SEE REFERENCE 'C.'

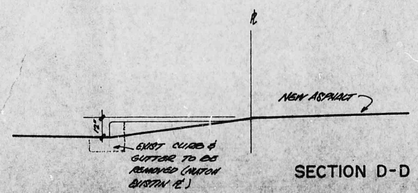
NORTH

SCALE 1" = 20'

0 10 25 50 75 100



VICINITY MAP



SECTION D-D (PROFILE ONLY)

DRAINAGE CALCULATIONS

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Type of Surface	Existing Area Sq. Ft. / Acres		Proposed Area Sq. Ft. / Acres	
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2. Developed "C" Factor = 0.82

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E. Time of Concentration, Tc; Tc 10 minutes. Use 10 minutes (minimum value) for calculations.

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-----	Existing contour
—○—	Proposed contour
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⊕	Proposed spot elevation
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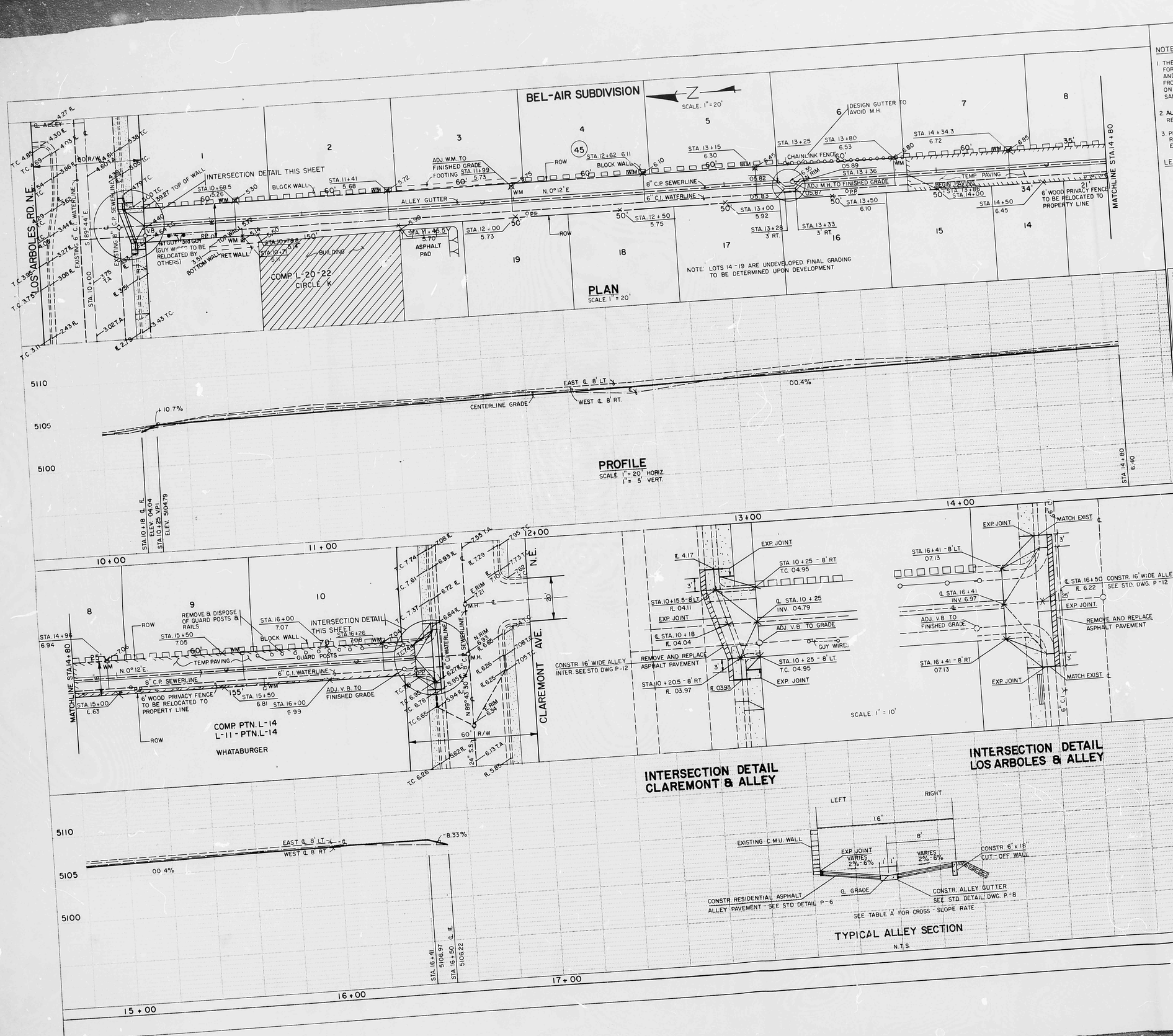
GRADING AND DRAINAGE PLAN

2828 CARLISLE BOULEVARD NE
ALBUQUERQUE, NEW MEXICO

C-2

H17/D39



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AS BUILT INFORMATION
CONTRACTOR
DATE
WORK STAKED BY
INSPECTORS
DATE
ACCEPTANCE BY
DATE
FIELD VERIFICATION BY
DATE
CORRECTED BY
MICRO-FILM INFORMATION
DATE
RECORDED BY
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
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DS-49 R. GALLEGOS

ACS 6A-H17 ELEV 5148.74
PROFILE ALLEY LOCATED B/W HERMOSA & CARLISLE FROM CLAREMONT TO LOS ARBOLES

ENGINEER'S SEAL

NO.	REMARKS	DATE	BY
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	DESIGN	DATE 1-31-86	
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CITY OF ALBUQUERQUE
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TITLE:
ALLEY GRADES BETWEEN LOS ARBOLES RD. AND CLAREMONT AVE. N.E. - BEL-AIR SUBDIVISION -

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
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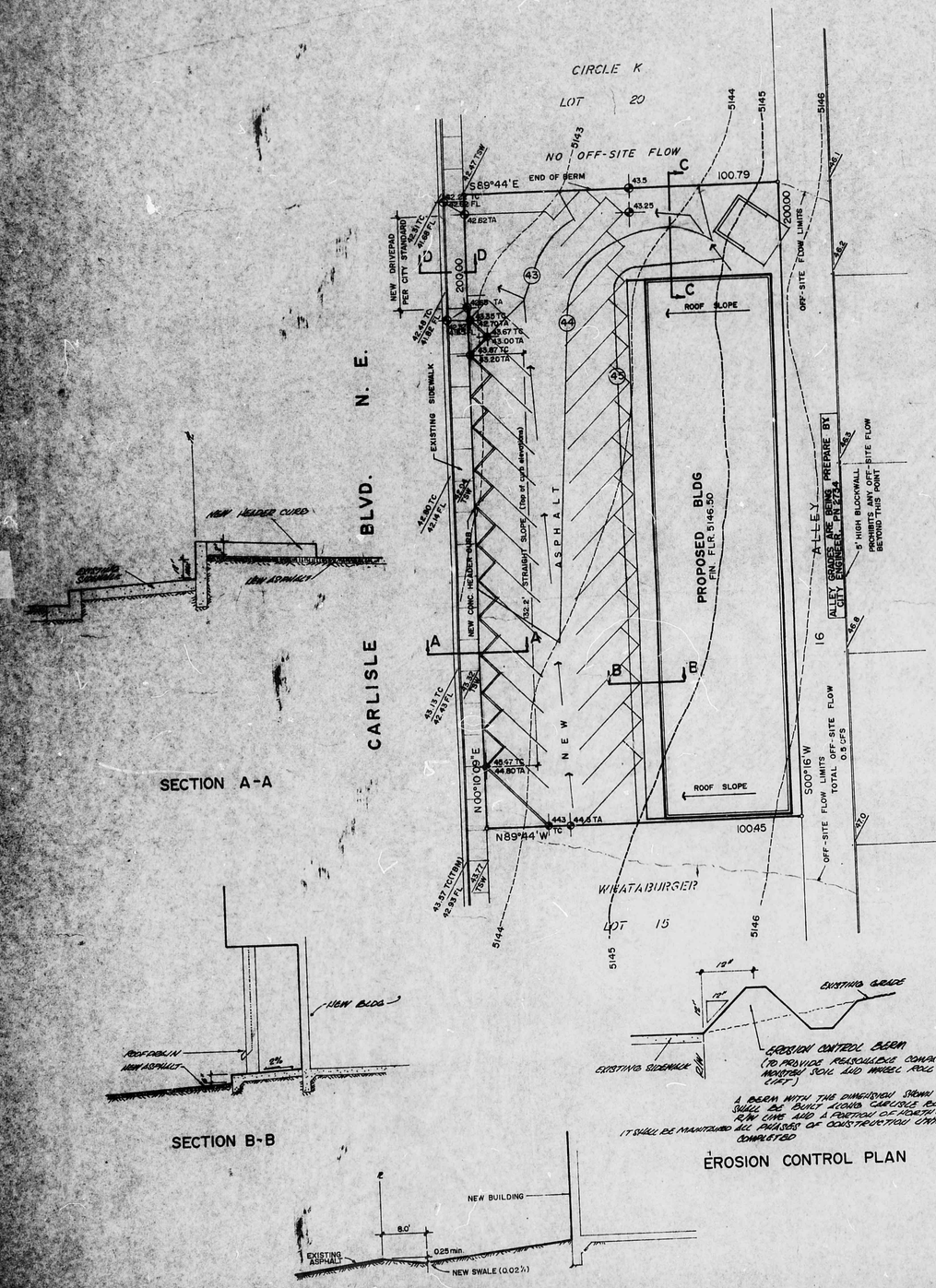
DRAWING NO. 2734
MAP NO. H-17N
SHEET 2 OF 2

H17/D39



GRADING AND DRAINAGE PLAN

LOTS 16, 17, 18 & 19, BEL-AIR SUBDIVISION
ALBUQUERQUE NEW MEXICO

FRANK D. LOVELADY — NEW MEXICO — 6512 — REGISTERED PROFESSIONAL ENGINEER

DECEMBER 4, 1985
REV. JAN. 15, 1986

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SCALE 1" = 20'

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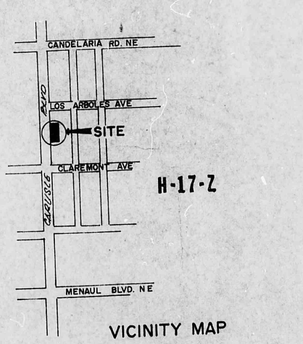

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2. An increase of 1.06 cfs due to new development is a comparatively smell amount (to the total contributing basin) and therefore would not adversely affect downstream conditions (minimum impact).

3. This is an infill development.

4. All runoff generated by development is discharged to Carlisle Boulevard via the drive pad. The two adjacent developed (Circle K & Whataburger) discharge freely into Carlisle.

5. All off-site flows are accepted as shown on drainage plan.

V. CONSTRUCTION NOTES:

1. Two (2) working days prior to any excavation, contractor must contact line locating service at 765-1234 for location of existing utilities.

2. Prior to construction, the contractor shall excavate and verify the horizontal and vertical locations of all potential obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.

3. 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.

4. All construction within City Right-of-Way shall be performed in accordance with applicable City of Albuquerque standards and proceedures.

SYMBOL LEGEND

-----	Existing contour
—○—	Proposed contour
——→	Direction of flow
⊕	Proposed spot elevation
TA	Top of asphalt
RD	Roof drain
TC	Top of curb
TSW	Top of sidewalk

GRADING AND DRAINAGE PLAN

2828 CARLISLE BOULEVARD NE
ALBUQUERQUE, NEW MEXICO

C-2

H17/D39