

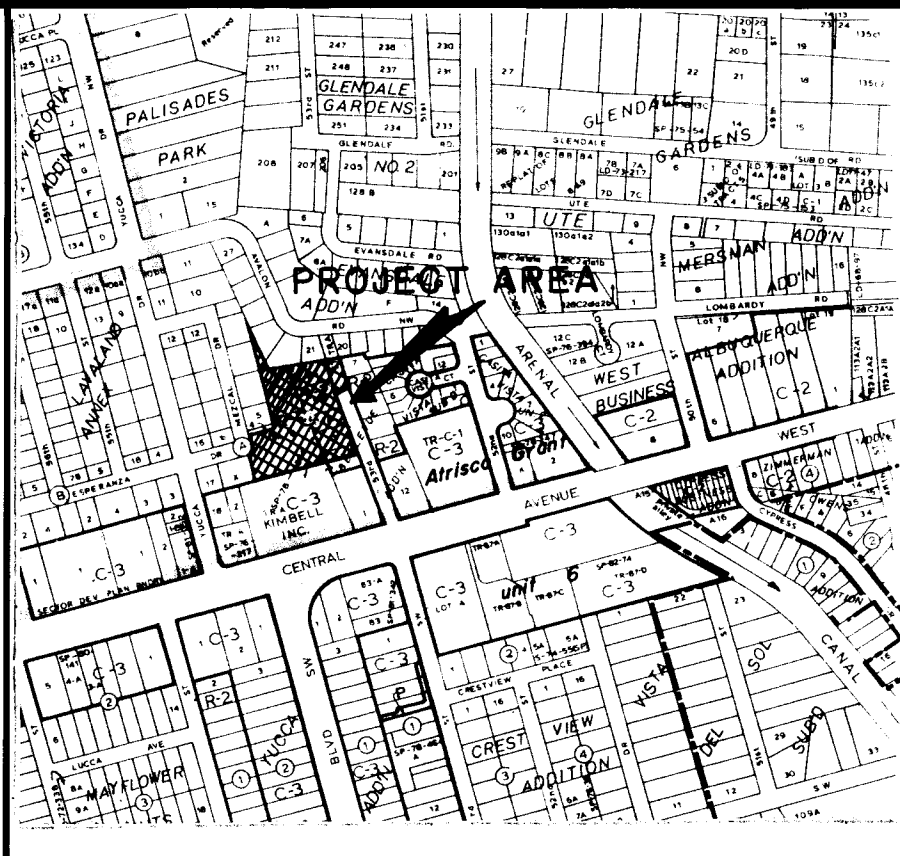
CITY OF ALBUQUERQUE
NEW MEXICO



LOMITA ENCANTADA SUBDIVISION

INDEX TO DRAWINGS

1.....	TITLE SHEET
2.....	PLAT SHEET
3.....	PAVING PLAN & PROFILE
4.....	WATER & SANITARY SEWER PLAN & PROFILE
5.....	DETAIL SHEET
6.....	GRADING PLAN



VICINITY MAP
MAP NO. K-II

GENERAL NOTES

TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.

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 FOR PUBLIC WORKS CONSTRUCTION - 1985 EDITION (REFERRED TO HEREIN AS STANDARD SPECIFICATIONS).

THESE PLANS DO NOT CONTAIN PROVISIONS FOR SAFETY REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY REQUIREMENTS DURING THE CONSTRUCTION PHASE.

EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS. CONTRACTOR SHALL VERIFY THEIR LOCATION PRIOR TO EXCAVATION.

TACK COAT REQUIREMENTS WILL BE DETERMINED BY THE ENGINEER.

WHERE REMOVAL OF EXISTING CURB AND GUTTER IS REQUIRED, REMOVAL SHALL BE MADE TO THE NEAREST JOINT BEYOND THE REMOVAL REQUIRED.

CONTRACTOR SHALL THE NOTIFY THE RESIDENT USING THE PARKING AREA WITHIN THE 30' P.U.E. OF PROPOSED CONSTRUCTION PRIOR TO COMMENCING WORK, IN ORDER FOR THE RESIDENT TO ARRANGE ALTERNATE PARKING.

BACKFILL REQUIREMENTS SHALL BE ACCORDING TO SPECIFIED STREET USE.

"STANDARD DRAWINGS" REFER TO CITY OF ALBUQUERQUE STANDARD DRAWINGS FOUND IN THE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.

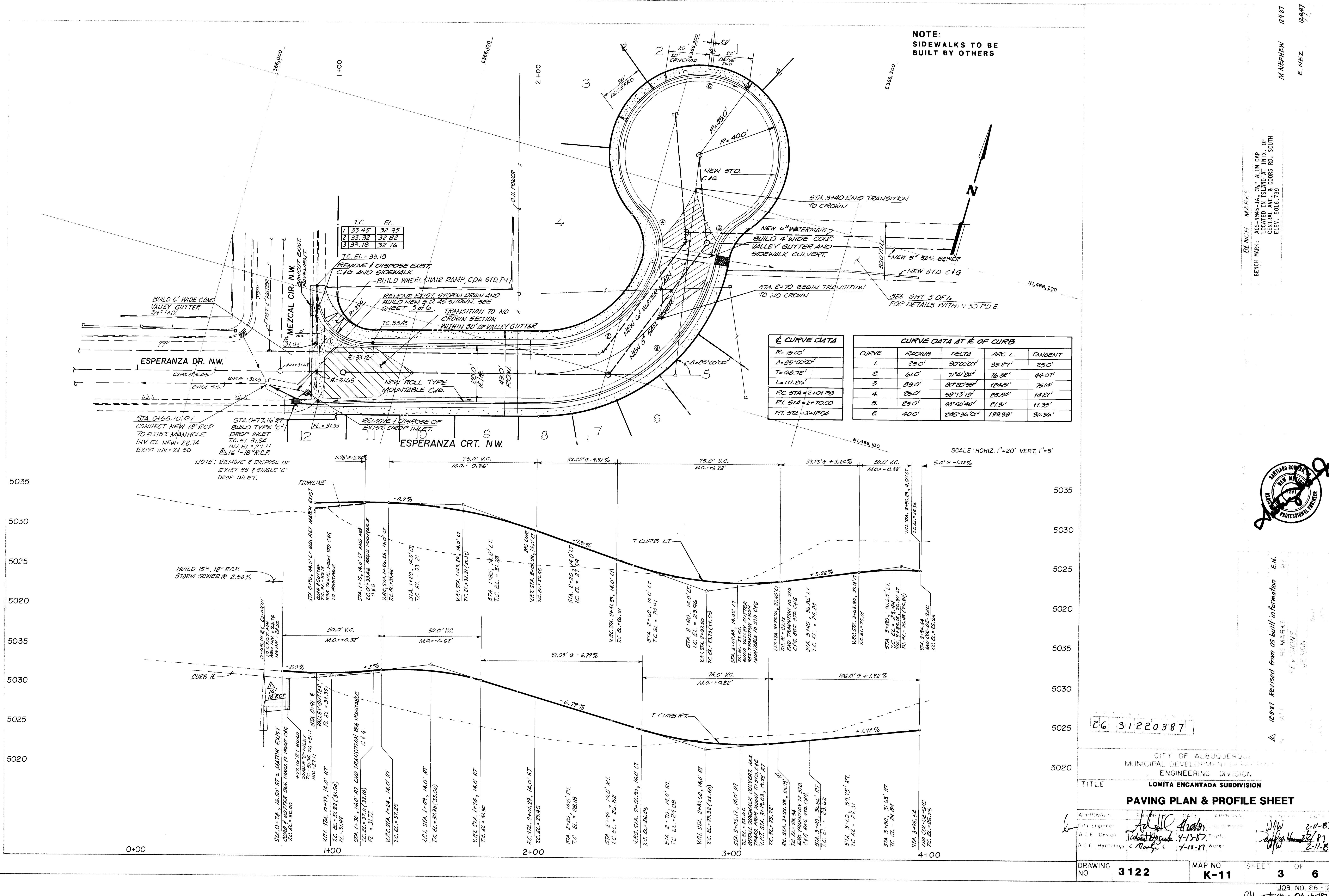
26 31220187

Ronald B. Sailer
12-11-87

REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
APPROVAL OF REVISIONS									

	Santiago Romero Jr. and Associates Inc. ENGINEERING - SURVEYING 2828 12TH STREET N.W. SUITE B ALBUQUERQUE, NEW MEXICO 87107 (505) 345-2733	APPROVED FOR CONSTRUCTION CITY ENGINEER 7/12/87
	PROJECT NO. 3122	SHEET 1 OF 6

GENERAL NOTES: 1. BEARINGS ARE NEW MEXICO STATE PLANE GRID BEARINGS (CENTRAL ZONE) AND ALL DISTANCES ARE GRID. 2. RECORD BEARINGS AND DISTANCES ARE SHOWN IN PARENTHESES (). 3. UNLESS OTHERWISE NOTED ALL PROPERTY CORNERS ARE MARKED WITH NO. 5 REBAR AND SURVEY CAP, I.S. 7124. 4. A COMMON DRAINAGE EASEMENT FOR LOTS 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 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2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 22



NOTE:
SIDEWALKS TO BE
BUILT BY OTHERS

CURVE DATA

R=75.00'
Δ=85°00'00"
T=68.76'
L=111.26'
PC STA=2+01.78
PI STA=2+70.00
PT STA=3+40.54

CURVE DATA AT E OF CURB

CURVE	RADIUS	DELTA	ARC L.	TANGENT
1.	25.0'	90°00'00"	39.27'	25.0'
2.	61.0'	71°41'24"	76.38'	44.07'
3.	89.0'	80°20'58"	124.01'	75.14'
4.	25.0'	58°13'13"	25.84'	14.21'
5.	25.0'	48°50'45"	21.31'	11.35'
6.	40.0'	28°36'01"	19.39'	30.36'

26 31220387

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **LOMITA ENCANTADA SUBDIVISION**

PAVING PLAN & PROFILE SHEET

APPROVAL	ENGINEER	DATE	REVISION
City Engineer	<i>[Signature]</i>	4-13-87	2-4-87
ACE Design	<i>[Signature]</i>	4-13-87	2-11-87
ACE Hydrology	<i>[Signature]</i>	4-13-87	

DRAWING NO: **3122** MAP NO: **K-11** SHEET **3** OF **6**

JOB NO. 86-12

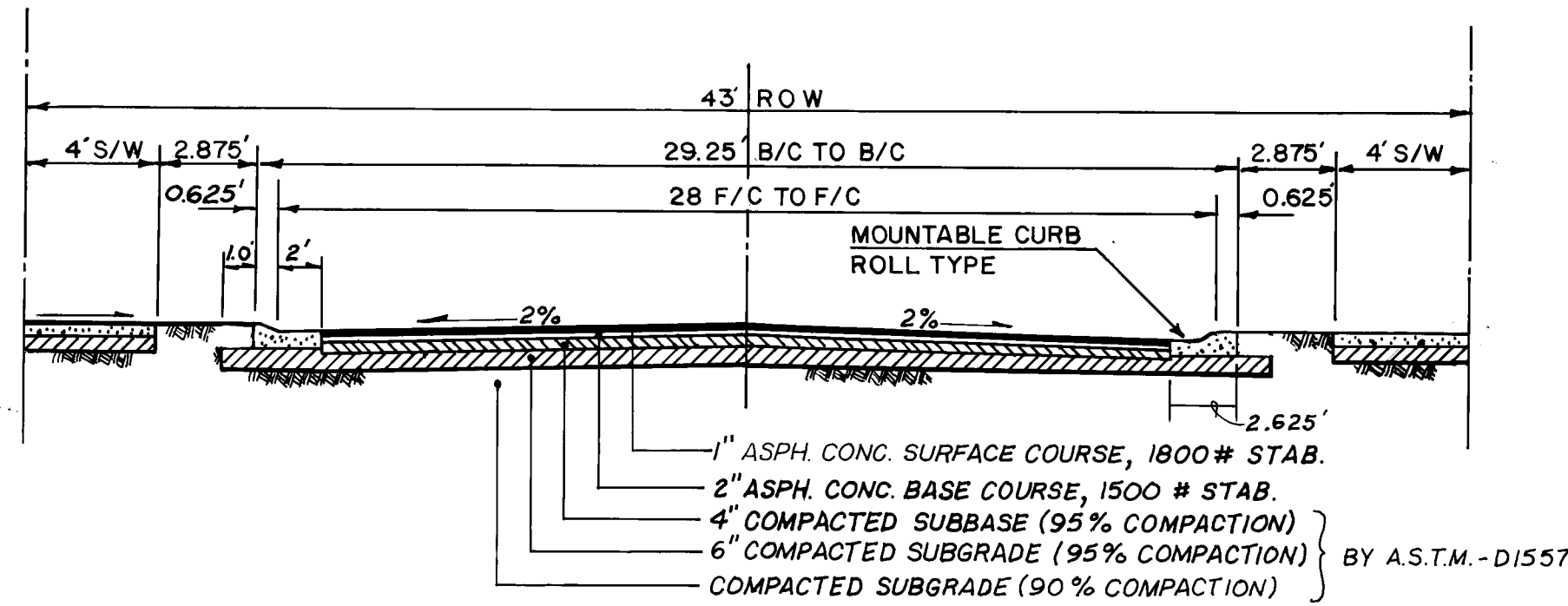


12887 Revised from as built information E.N.
REMARKS
4-13-87
DESIGN

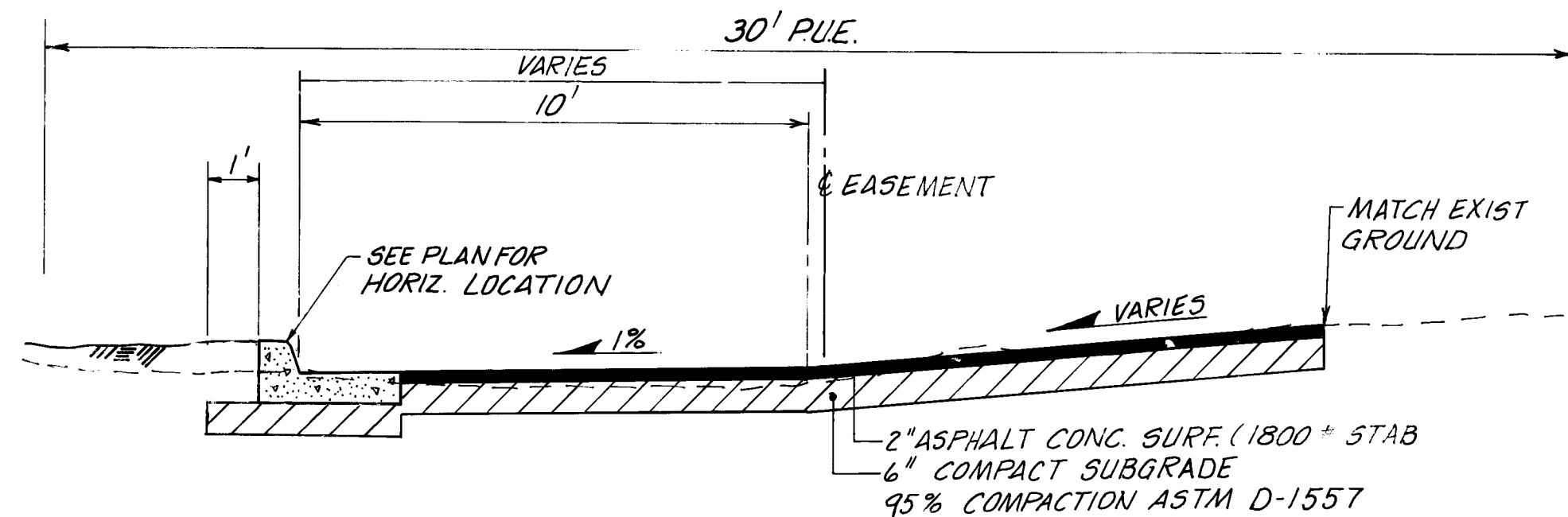
BENCH MARK: AGS-NN45-1A, 3/4" ALUM CAP LOCATED IN ISLAND AT INTX. OF CENTRAL AVE. & COORS RD. SOUTH ELEV. 5016.739

BENCH MARK: MZKX 5

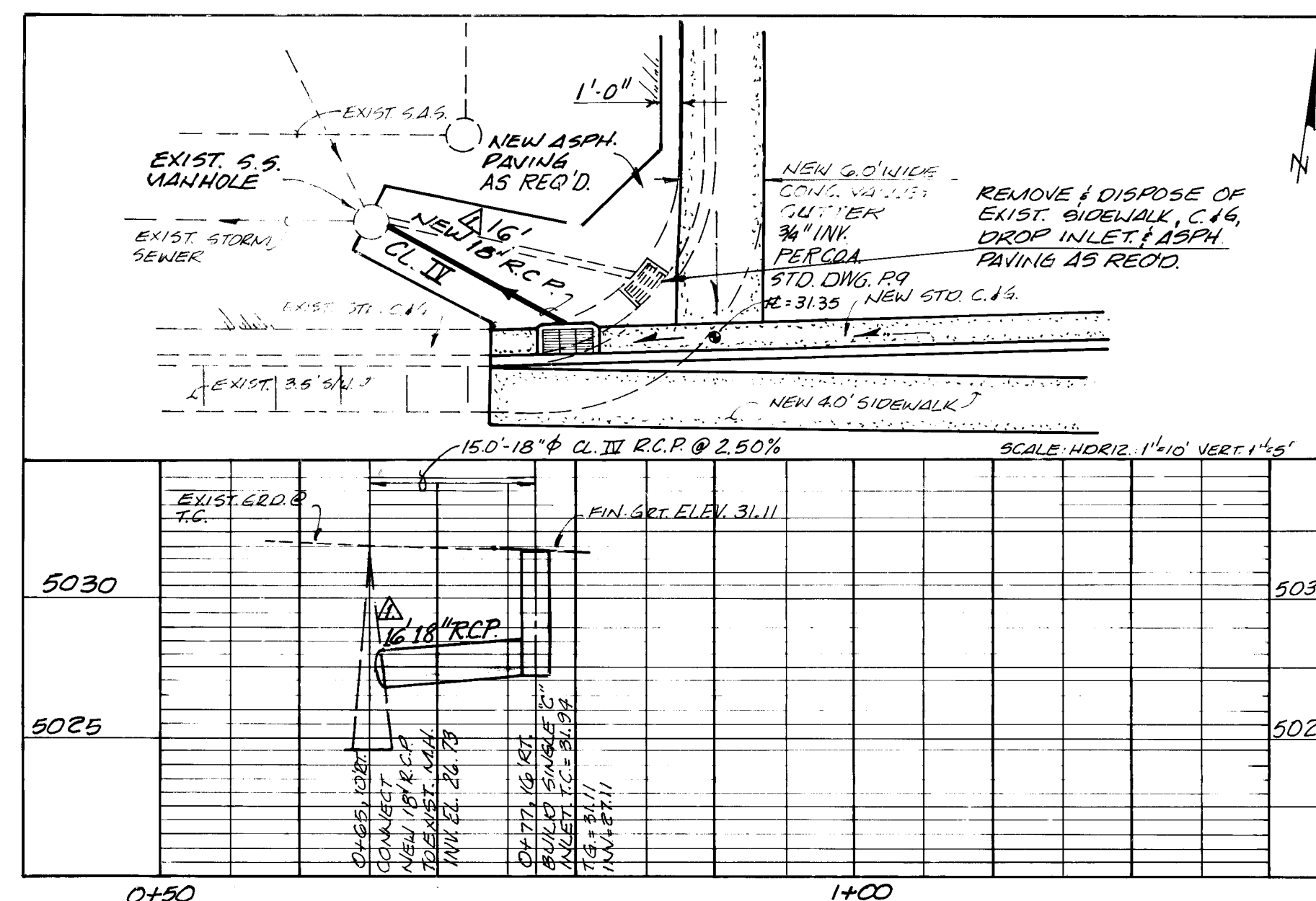
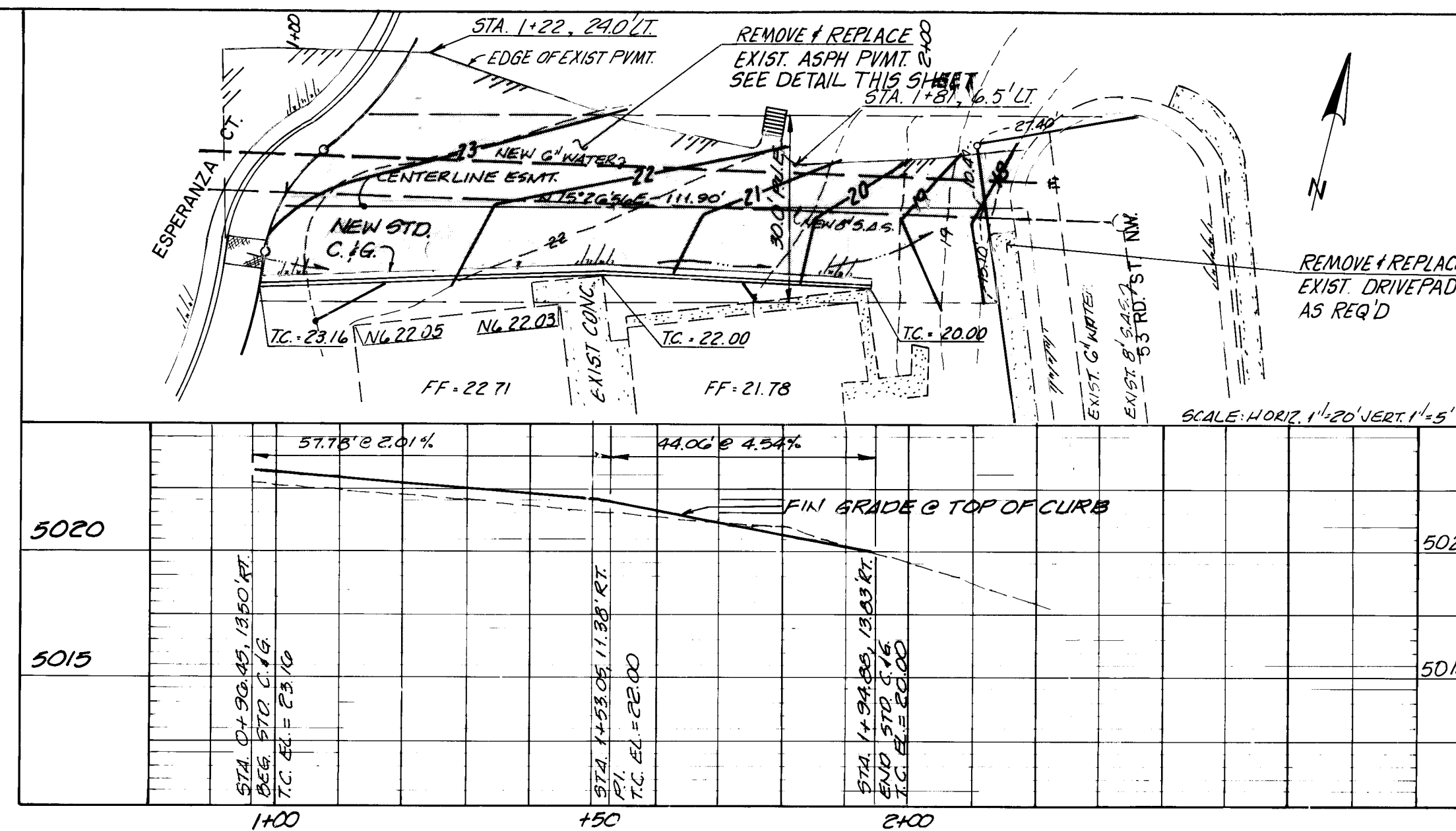
M. NEPHEW 12/4/87
E. NEZ 12/4/87



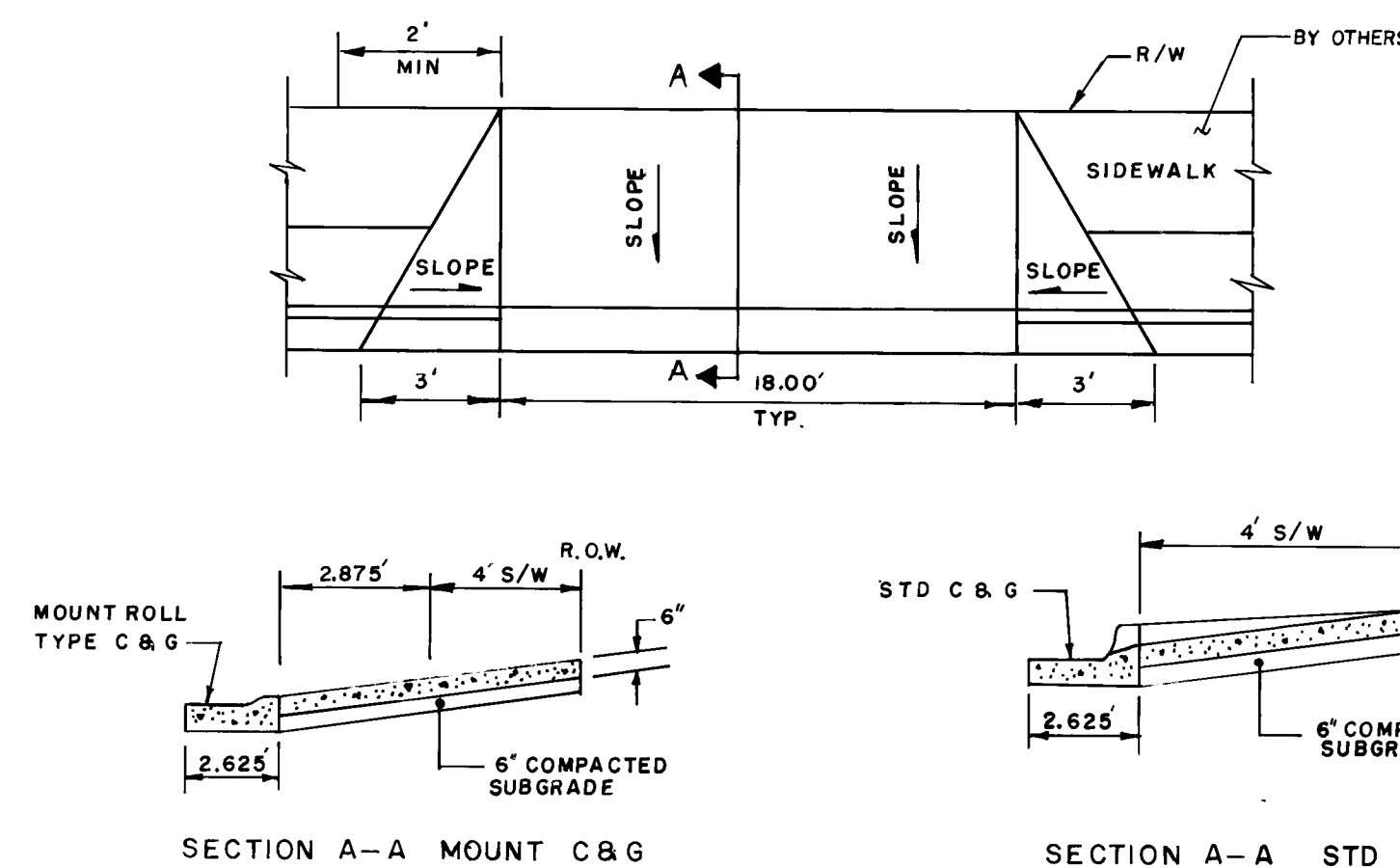
TYP. ROADWAY SECTION



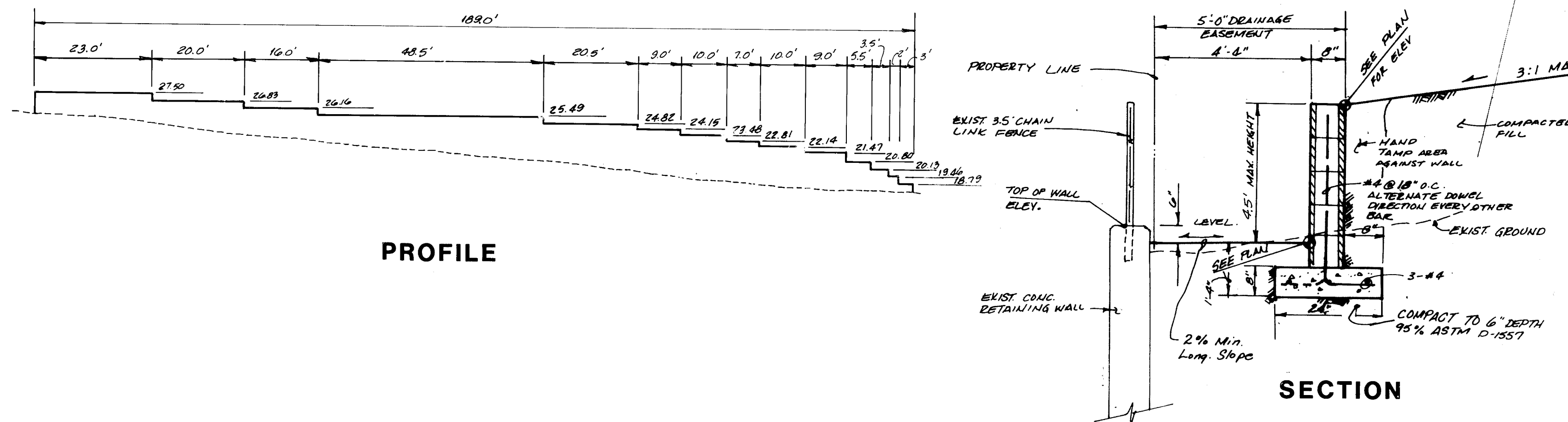
TYP. PVMT. SECTION WITHIN 30, P.U.E.



STORM SEWER PLAN & PROFILE



**DRIVEPADS
BY OTHERS**



RETAINING WALL DETAILS

SECTION

NOTE: THIS WALL SECTION SHALL BE APPLIED TO ALL RETAINING WALLS GREATER THAN 15' IN HEIGHT.

ENGINEER'S SEAL				SURVEY INFORMATION				BENCH MARKS				AS BUILT INFORMATION			
				NO.	BY	DATE	FIELD NOTES	BENCH MARK:	ACS-NM45-1A, 34" ALUM CAP LOCATED IN ISLAND AT INTX. OF CENTRAL AVE. & CORDS RD. SOUTH ELEV. 5016.739	CONTRACTOR	NO.	CONTRACTOR	NO.	DATE	DATE
				NO.	DATE	REVISIONS	REMARKS	DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE	DATE	DATE

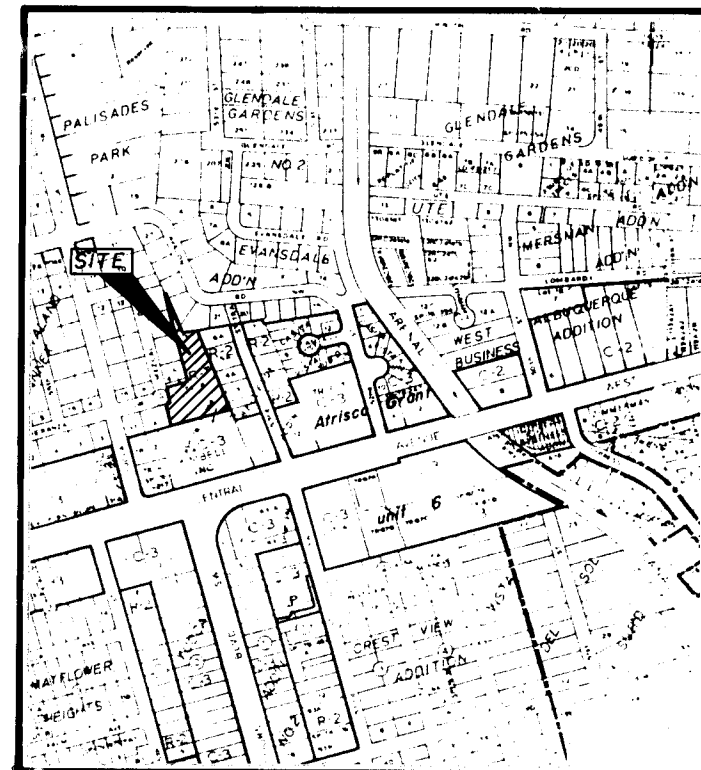
26 31220587

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: LOMITA ENCANTADA SUBDIVISION					
DETAIL SHEET					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	4-20-87	Liquid Waste	<i>[Signature]</i>	2-11-87
A.C.E. - Design	<i>[Signature]</i>	4-13-87	Traffic	<i>[Signature]</i>	2-11-87
A.C.E. - Hydrology	<i>[Signature]</i>	4-13-87	Water	<i>[Signature]</i>	2-11-87
DRAWING NO.	3122	MAP NO.	K-11	SHEET	5 OF 6

P.M. 2/15/87 OC.

GRADING AND DRAINAGE PLAN FOR LOMITA ENCANTADA SUBDIVISION

(MR. & MRS. CLYDE MILLIGAN OWNERS)



LOCATION MAP K-11



FLOODWAY MAP: PANEL 27

LOMITA ENCANTADA TOWNHOME SUBDIVISION DRAINAGE PLAN COMPUTATIONS

A. BASIC ASSUMPTIONS

1. Discharge from proposed subdivision will drain onto 53rd St. N.W. by way of existing paved alley way (presently private, to be granted as utility easement to city).
2. Subdivision comprises two drainage basins (on site). A third basin (off site) discharges runoff onto above-mentioned alley way and 53rd St. thereto.
3. Total discharge from three areas onto 53rd St. should never exceed the hydraulic capacity of the street at the point where the discharges from the three basins meet.
4. Contribution from areas West of this subdivision is collected at inlet on intersection of Esperanza Road and Mezal Circle.

B. CONTRIBUTING AREAS

1. Basin "A"
 - a. Total area: 33,600 sq. ft.
 - b. Paved areas: (streets, sidewalks and drive-pads) = 15,400 sq. ft.
 - c. Roof areas: 7,200 sq. ft.
 - d. Land and landscaping: 11,000 sq. ft.
2. Basin "B"
 - a. Total area: 29,100 sq. ft.
 - b. Paved area: 2,800 sq. ft.
 - c. Roof areas: 10,000 sq. ft.
 - d. Land and landscaping: 10,200 sq. ft.
 - e. Undeveloped: 5,500 sq. ft.
3. Basin "C"
 - a. Total area: 15,000 sq. ft.
 - b. Paved area: 4,970 sq. ft.
 - c. Roof areas: 4,775 sq. ft.
 - d. Undeveloped area: 5,255 sq. ft.

C. RUNOFF COEFFICIENTS (Reference: Notice of emergency rule dated 2/19/86) (Composite C)

1. Basin "A"
 - a. 15,400 (0.95) + 7,200 (0.90) + 11,000 (0.25) = 33,600
 - b. 0.71
2. Basin "B"
 - a. 0.58

D. TIME OF CONCENTRATION

1. Basin "A"
 - a. $T_c = 0.0078 L^{0.775} = 0.775$ min.
2. Basin "B"
 - a. $T_c = 0.0078 L^{0.775} = 0.775$ min.
3. Basin "C"
 - a. $T_c = 0.0078 L^{0.775} = 0.775$ min.

E. RAINFALL INTENSITY

1. Rainfall Volume: 2.2 (100 yr. freq.) Plate 22.2 D-1
Therefore $I = 2.2 (6.84) (10) = 0.51 = 4.65$ in.

F. PEAK RUNOFF FLOW

1. Basin "A"
 - a. $Q = 0.01 (4.65) 0.77 = 2.55$ cfs
2. Basin "B"
 - a. $Q = 0.01 (4.65) 0.77 = 2.55$ cfs
3. Basin "C"
 - a. $Q = 0.01 (4.65) 0.77 = 2.55$ cfs

G. STREET DRAINAGE CAPACITY (53 RD. ST. 1/2 mile wide)

1. Longitudinal slope: 3.02%
2. Manning Coefficient: 0.017
3. Flow rate:

$$Q = A \times V = 87.41 \times 0.48 \times 0.17 = 0.58 \text{ cfs}$$

H. CONCLUSION: The capacity of the street is not exceeded by the 100 year runoff generated by this subdivision under developed conditions.

