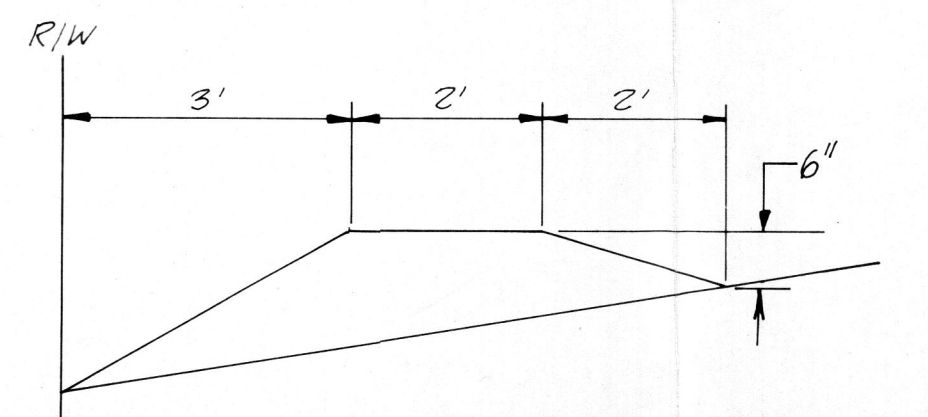
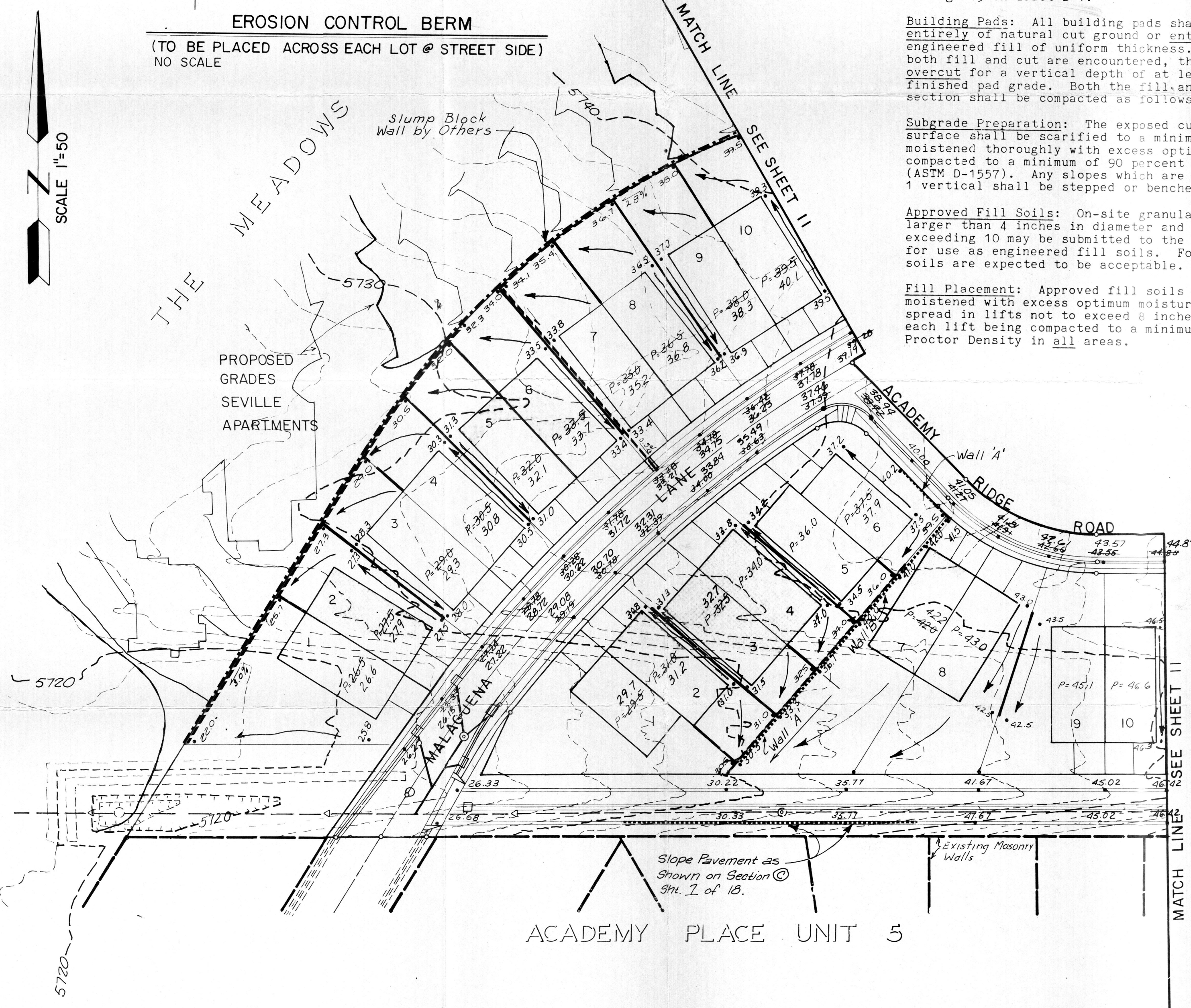


LOT SPLIT DETAIL
NO SCALE



EROSION CONTROL BERM
(TO BE PLACED ACROSS EACH LOT @ STREET SIDE)
NO SCALE



EARTHWORK SPECIFICATIONS

Site Clearing: All rubbish and trash which may exist on the site shall be removed and wasted.

Site Grubbing: Existing vegetation shall be stripped from the entire area, and surface soils removed to a minimum depth of six (6) inches. Removed soils can be stockpiled for use in general site grading outside of building pads and pavement areas.

Prewetting: The entire development area should be prewetted to a minimum depth of five (5) feet. Several shallow depth (five feet minimum) test borings should be made periodically and under close observation and advisement by the Soils Engineer to determine that the deep prewetting of subsurface soils is accomplished. Special attention should be given to the areas in the vicinities of Test Holes 4, 5, 7 through 13, 18, 20, 21, 28 and 29 on Tract B and in the vicinities of Test Holes 2, 7, 10, 11 and 13 through 19 on Tract B-1.

Proof Rolling: Once prewetting has been accomplished the entire area should be proofrolled with a minimum 10 ton vibratory roller to help densify any loose subsurface soils. The roller should make a minimum of ten passes each in two directions perpendicular to one another, with a minimum 25% overlap of the roller width on each pass. Special attention should be given to the areas in the vicinities of Test Holes 4, 5, 7 through 13, 18, 20, 21, 28 and 29 on Tract B and in the vicinities of Test Holes 2, 7, 10, 11 and 13 through 19 on Tract B-1.

Building Pads: All building pads shall be composed either entirely of natural cut ground or entirely of compacted, engineered fill of uniform thickness. In the building areas where both fill and cut are encountered, the natural ground shall be overcut for a vertical depth of at least one (1) foot below finished pad grade. Both the fill and overcut natural ground section shall be compacted as follows:

Subgrade Preparation: The exposed cut ground or subgrade surface shall be scarified to a minimum depth of 8 inches, moistened thoroughly with excess optimum moisture (+2%), and compacted to a minimum of 90 percent of Modified Proctor Density (ASTM D-1557). Any slopes which are steeper than 5 horizontal to 1 vertical shall be stepped or benched prior to fill placement.

Approved Fill Soils: On-site granular soils having no stones larger than 4 inches in diameter and with a Plasticity Index not exceeding 10 may be submitted to the Soils Engineer for approval for use as engineered fill soils. For the most part, on-site soils are expected to be acceptable.

Fill Placement: Approved fill soils shall be thoroughly moistened with excess optimum moisture (+2%), then placed and spread in lifts not to exceed 8 inches in loose thickness, with each lift being compacted to a minimum of 95 percent of Modified Proctor Density in all areas.

Weather Constraints: During construction, low areas shall be protected from excessive surface water and ponding. The contractor shall have adequate equipment available to promptly remove or divert surface water which might accumulate.

If earthwork is interrupted by surface water intrusions, fill operations shall not be resumed until the Soils Engineer accepts the moisture content and density of the natural ground or previously placed fill soils. No fill soils shall be placed, spread or rolled while the soils are frozen or thawing or during other unfavorable weather conditions.

Soils Engineer and Quality Control: The owner or contractor shall employ the services of a Professional Engineer (Geotechnical Engineer) to supervise all prewetting and controlled earthwork. Testing of compacted fill should include density and moisture content determinations by nuclear methods (ASTM D-2922).

A sufficient number of tests shall be made during each day's operations on each lift of fill, as necessary, to insure adherence to project specifications. In addition, tests of fill soils shall be made at the following minimum rates:

- One (1) field density test for each 1000 square yards of subgrade prior to fill placement.
- One (1) field density test for each 350 cubic yards of fill placed or each layer of fill in each work area.

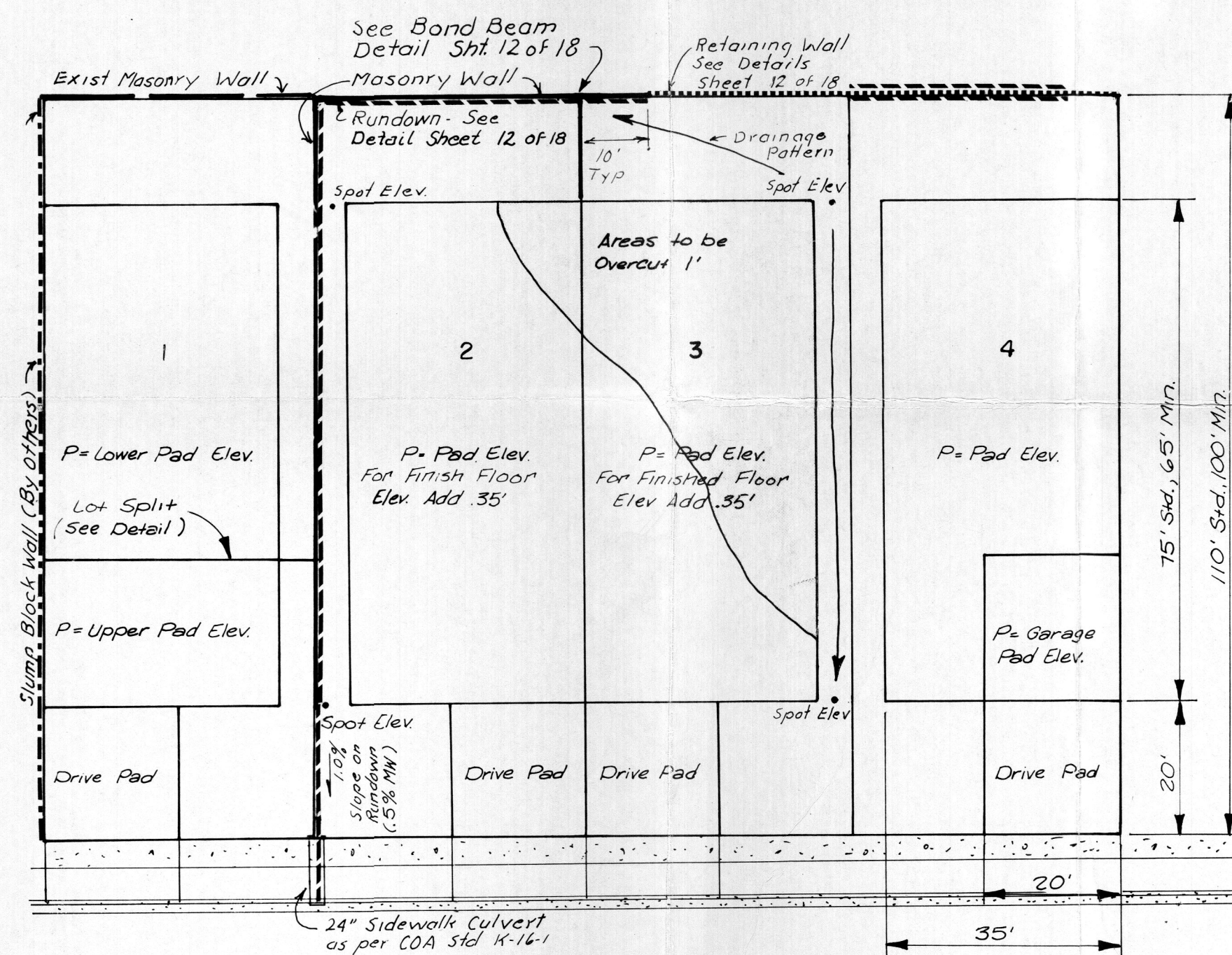
When tests indicate that the density of any layer of fill or portion thereof is below the required density, the particular layer or portion thereof shall be removed and replaced with adjustments in soil moisture as necessary until the required density is obtained.

Notification by Contractor: The contractor shall notify the Geotechnical Engineer at least 2 days prior to beginning earthwork operations or prior to resuming operations after stoppage.

Daily Report: Daily reports of field density tests shall be submitted by the Soil Engineer to the contractor or developer's field engineer.

LEGEND

- Existing Masonry Wall
- (#3) Masonry Garden Wall (By Others)
- Masonry Retaining Wall (See Detail Sht. 12)
- Concrete Private Drainage Run-down (See Detail this Sht.)
- Slump Block Wall (By Others)
- — — Existing Contours
- Swale or Flow Patterns



Note:
Spot Elevations Reference Top of Fill or Cut Either at Base of Masonry Wall, Top of Edge of Lot Collection Run-down (See Detail) or 5' From Corner of Pad Which ever is Less.
Spot Elevations Placed on Curb Represent Top of Curb at Final Grade.

FHWA Region No.	NEW MEXICO	SHEET NO.	TOTAL SHEETS
6			

AS-BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	ENGINEER'S SEAL	REVISIONS	DESIGN
CONTRACTOR: <i>ACI</i>	ACI Brass Cap "6-E22" Elev. 9534.53	DATE: <i>6/23/85</i>	<i>William L. ...</i> 12/85	NO.	DATE
WORK BY: <i>ACI</i>	Location: 1/2 miles East of the Intersection of Academy Road NE & Eubank Blvd. NE	BY: <i>ACI</i>		KLD	DATE
ACCEPTANCE BY: <i>ACI</i>	Station: 1575' South on the South Arm of the Bear Canyon Tributary	NO.		KLD	DATE
DATE: <i>6/23/85</i>		BY: <i>ACI</i>		KLD	DATE
		NO.		KLD	DATE

MICRO-FILM INFORMATION	REVISIONS	DESIGN
RECORDED BY: <i>ACI</i>	NO.	DATE
	KLD	DATE
	KLD	DATE
	KLD	DATE

FIELD NOTES	REVISIONS	DESIGN
NO.	NO.	DATE
	KLD	DATE
	KLD	DATE
	KLD	DATE

REVISIONS	DESIGN
NO.	DATE
	KLD
	KLD
	KLD

REVISIONS	DESIGN
NO.	DATE
	KLD
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REVISIONS	DESIGN
NO.	DATE
	KLD
	KLD
	KLD

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: ACADEMY RIDGE EAST PHASE I
GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>...</i>	<i>6/23/85</i>	Liquid Waste	<i>NA</i>	<i>5/30/85</i>
A.C.E. Design	<i>...</i>	<i>6/23/85</i>	Traffic	<i>NA</i>	<i>5/30/85</i>
Hydrology	<i>...</i>	<i>5/27/85</i>	Water	<i>NA</i>	<i>5/30/85</i>

DRAWING NO.	MAP NO.	SHEET	OF
2289	E-21	10	19