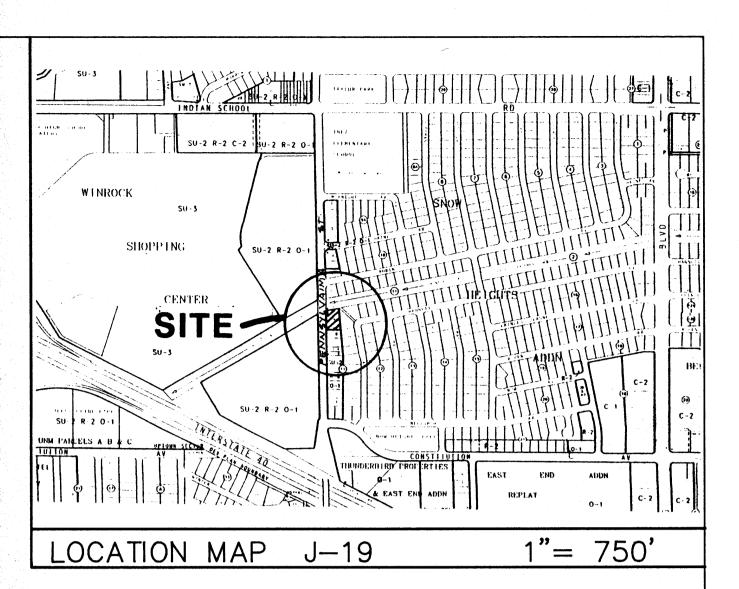


LEGEND

EXISTING CONTOUR ELEVATION EXISTING SPOT ELEVATION PROPOSED CONTOUR ELEVATION PROPERTY LINE PROPOSED SPOT ELEVATION DIRECTION OF FLOW DRAINAGE SWALE DRAINAGE BASIN DIVIDE BASIN ID



CONCEPTUAL GRADING AND DRAINAGE PLAN

PURPOSE AND SCOPE

Pursuant to the established Drainage Ordinance for the City of Albuquerque and the Development Process Manual, this Conceptual Grading and Drainage Plan outlines the drainage management criteria for controlling developed runoff from the project site. The property is to be developed as 5 Townhomes, with associated paving, landscaping, utility, grading, and drainage improvements. The scope of this plan is to provide conceptual grading and drainage information to support the project Site Development Plan.

EXISTING CONDITIONS

The project site is approximately 0.36 acres in size and is located on Pennsylvania Street NE, just north of Constitution Street NE. The site is bounded by Pennsylvania on the west, the Embudo Channel on the north, and developed property on the east and south. The site is described as Lots 39 & 40, Snow Heights Addition, Unit 11. Presently the site is undeveloped. Site topography slopes from west to east at approximately 1%. The site is sparsely covered with native vegetation.

On-site all runoff flows westward into Pennsylvania Street. Pennsylvania conveys all runoff north to the bridge at the Embudo Channel. The bridge drains via sidewalk culverts into the channel. No OFF SITE FLOWS ENTER THE PROPERTY.

Pennsylvania is a paved public street, with curb and gutter and permanent pavement. A 3 foot sidewalk is located along the project frontage.

As shown by the attached Floodway Panel, this site does not lie within a designated flood hazard zone.

DEVELOPED CONDITIONS

As shown by the Plan, the project consists of the development of the property into 5 townhomes. The Plan shows the elevations required to properly grade and construct the recommended improvements. The direction of drainage flows are given by flow arrows and the project hydrology is tabulated for both existing and developed conditions.

All drainage flows will be managed on-site by earthen swales and drain to Pennsylvania Street and the Embudo Channel, as mentioned above. Due to the proximity of the Embudo Channel, the site will free discharge all excess runoff to the Channel.

EROSION CONTROL

Temporary erosion control will be required during construction to the discharge of sediment into the public street and storm drainage network. The details for temporary erosion control will be provided on the final Grading and Drainage Plan.

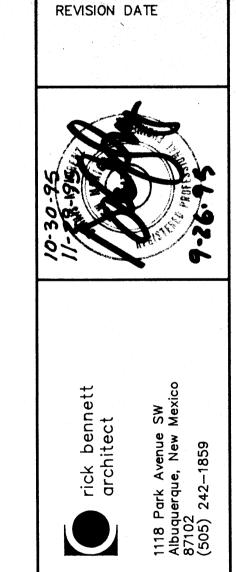
The calculations shown hereon define the 100 year/6 hour design storm falling with the project area under existing and developed conditions. The Hydrology is per "Section 22.2, Part A, DPM, Vol 2" Dated January

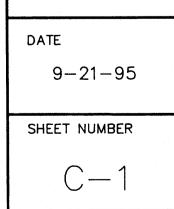
							JP	/ . · · · · · · · · · · · · · · · · · ·	
			HYDROLOGY - HYMO						
Precipitation Zone 3						P360 = 2.60 inches			
BASIN	AREA	Aa	Ab	Ac	Ad	E	Q100	VOL100	
	acres	acres	acres	acres	acres	inches	cfs	af	
EXISTING	CONDITIC	N:							
SITE	0.36	0.00	0.00	0.36	0.00	1.29	1.2	0.04	
DEVELOP	ED CONDI	TION:							
SITE	0.36	0.00	0.03	0.03	0.30	2.15	1.7	0.06	
A	0.23	0	0.02	0.02	0.19	2.15	7.1	0.04	
8	0.03	0	0.002	0.002	0.03	2.15	0.1	0.005	
C	0.10	0	0.008	0.008	0.08	2.15	0.5	0.015	

LEGAL DESCRIPTION

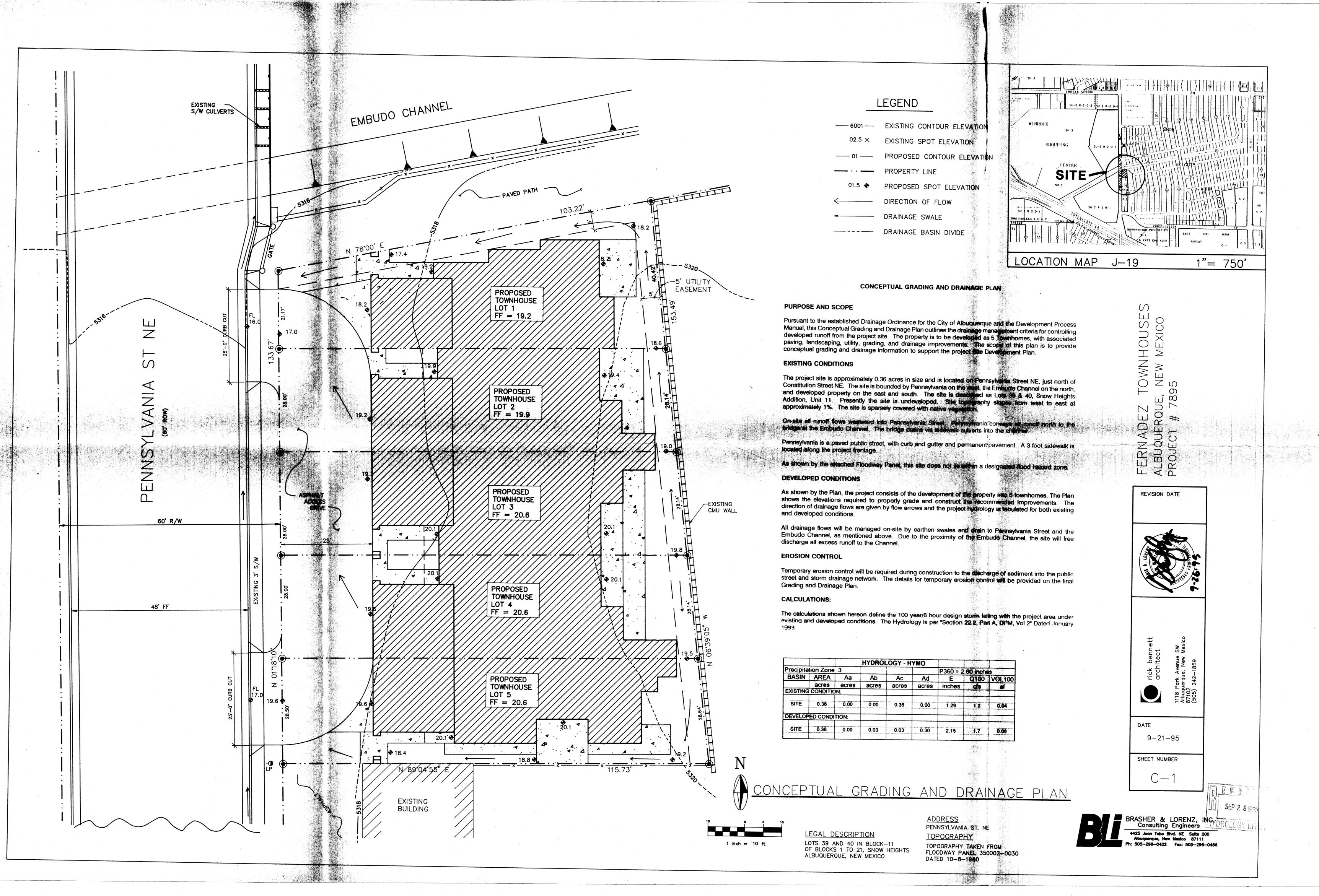
LOTS 39 AND 40 IN BLOCK-11 OF BLOCKS 1 TO 21, SNOW HEIGHTS ALBUQUERQUE, NEW MEXICO

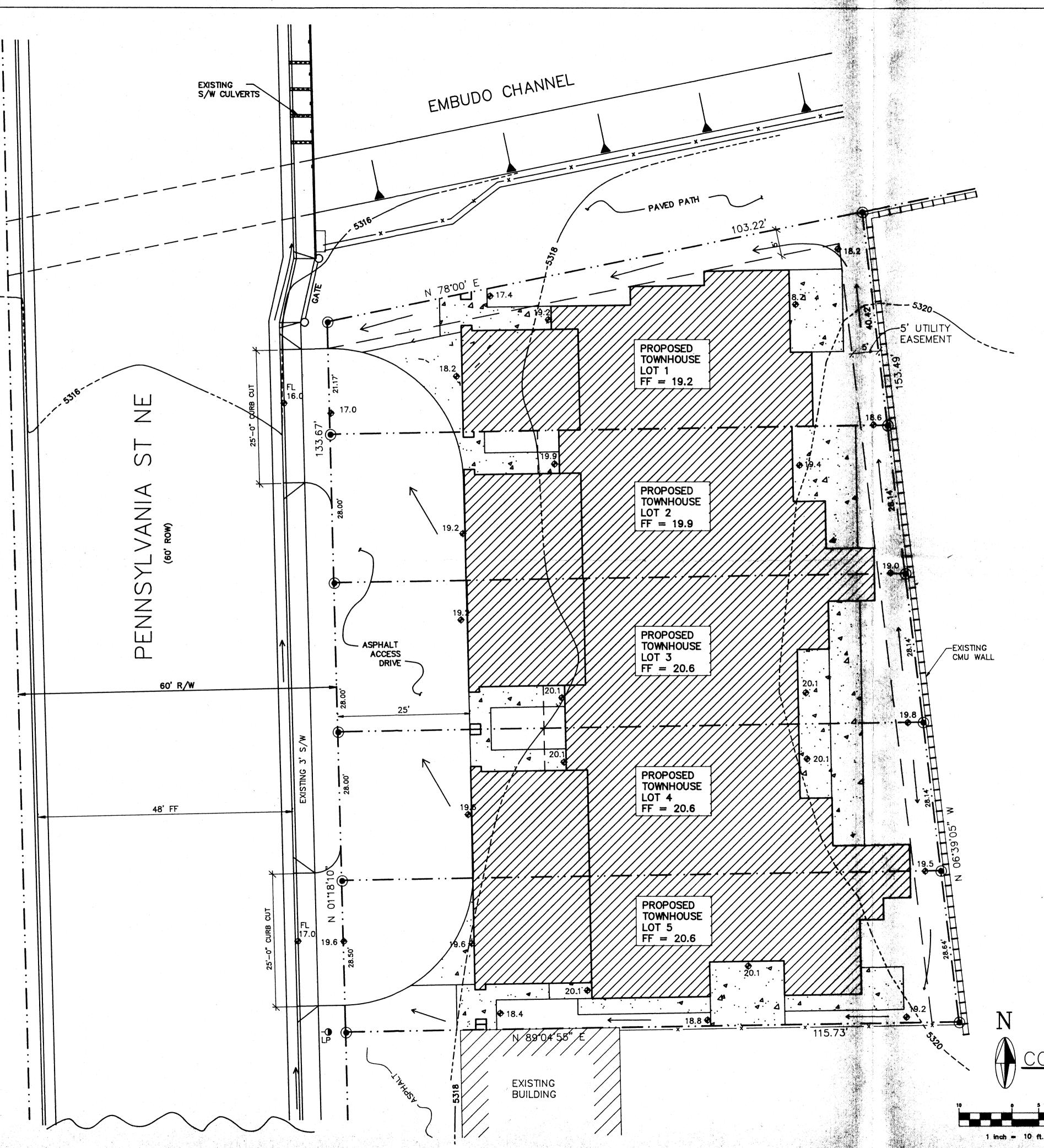
ADDRESS PENNSYLVANIA ST. NE TOPOGRAPHY. TOPOGRAPHY TAKEN FROM FLOODWAY PANEL 350002-0030 DATED 10-8-1980











LEGEND

EXISTING CONTOUR ELEVATION EXISTING SPOT ELEVATION PROPOSED CONTOUR ELEVATION

PROPERTY LINE

DIRECTION OF FLOW

DRAINAGE BASIN DIVIDE

PROPOSED SPOT ELEVATION

DRAINAGE SWALE

LOCATION MAP

WINROCK SHOPPING 1"= 750'

CONCEPTUAL GRADING AND DRAINAGE PLAN

PURPOSE AND SCOPE

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CALCULATIONS:

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		İ	HYDROL	.OGY - H	YMO				
Precipitation Zone 3						P360 = 2.60 inches			
BASIN	AREA	Aa	Ab	Ac	Ad	E	Q100	VOL100	
	acres	acres	acres	acres	acres	inches	cfs	af	
EXISTING	CONDITIO	ON:							
SITE	0.36	0.00	0.00	0.38	0.00	1.29	1.2	0.04	
DEVELOP	ED CONDI	TION:							
SITE	0.36	0.00	0.03	0.03	0.30	2.15	1.7	0.06	
	.	1	1	1	1			<u> </u>	

CONCEPTUAL GRADING AND DRAINAGE PLAN

LEGAL DESCRIPTION LOTS 39 AND 40 IN BLOCK-11 OF BLOCKS 1 TO 21, SNOW HEIGHTS

ALBUQUERQUE, NEW MEXICO

<u>ADDRESS</u> PENNSYLVANIA ST. NE **TOPOGRAPHY** TOPOGRAPHY TAKEN FROM FLOODWAY PANEL 350002-0030 DATED 10-8-1980

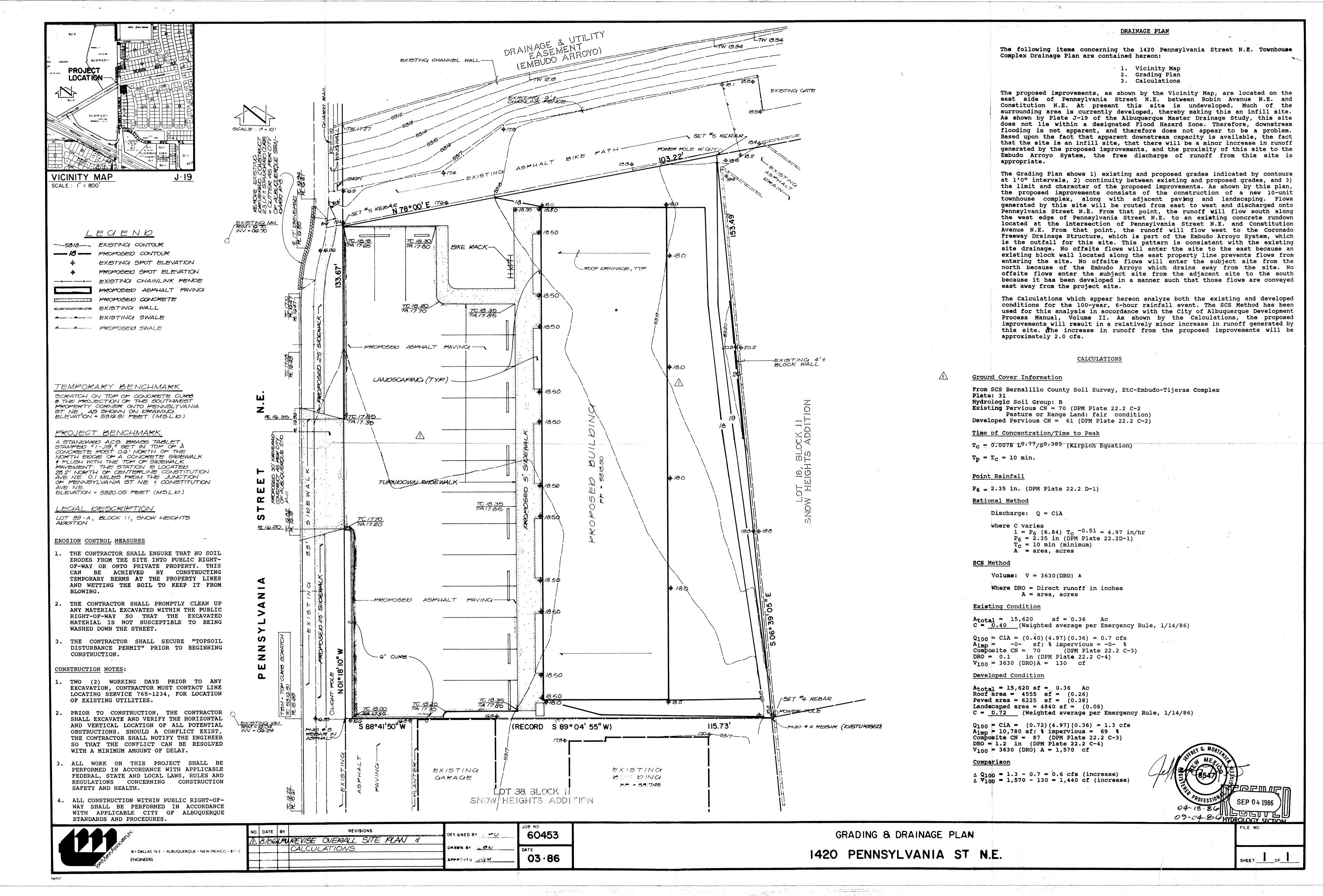
AL P. REVISION DATE

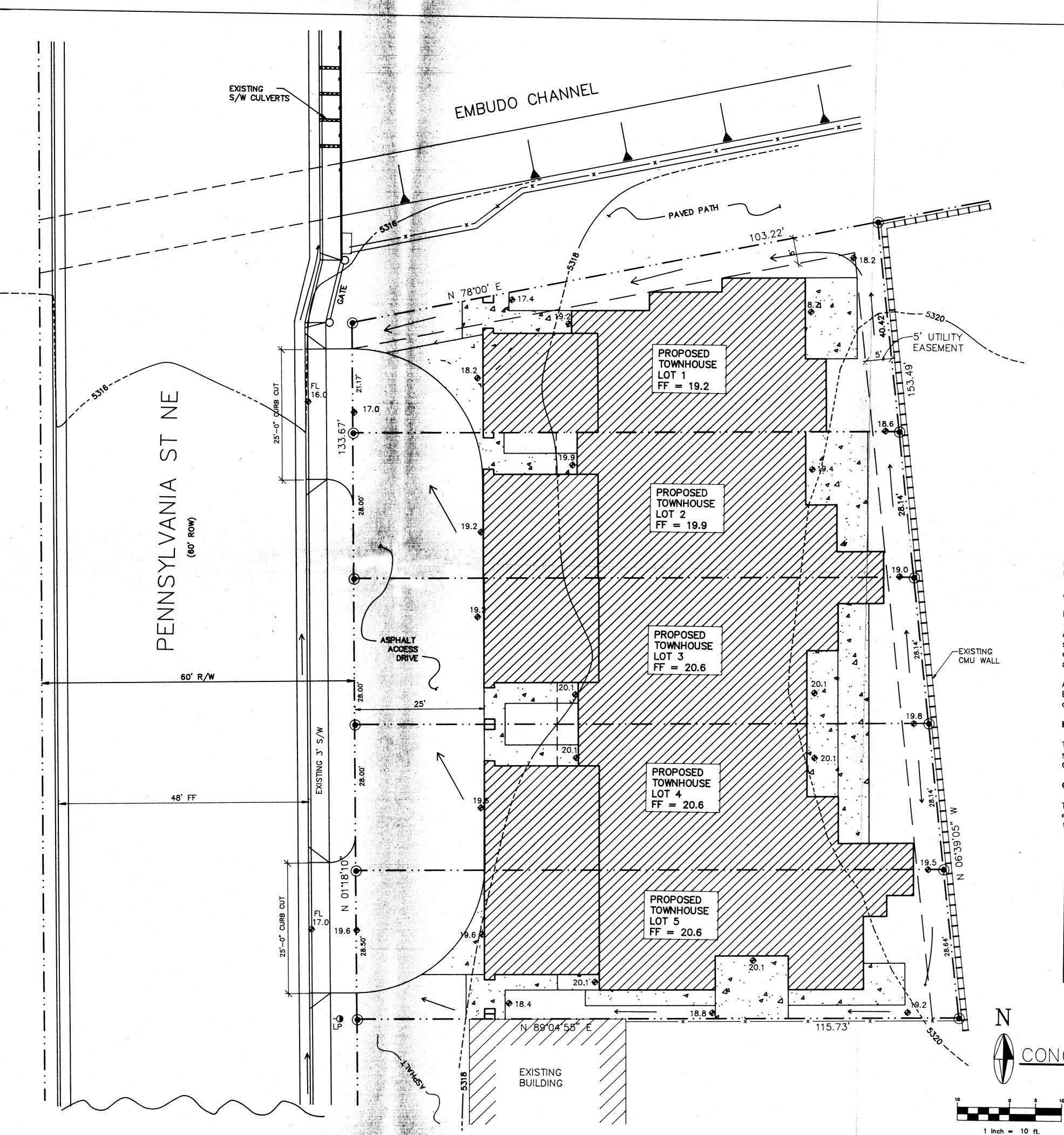
2 8 1995

DATE 9-21-95 SHEET NUMBER

C-1

SEP 2 8 1995





LEGEND

EXISTING CONTOUR ELEVATION EXISTING SPOT ELEVATION PROPOSED CONTOUR ELEVATION PROPERTY LINE PROPOSED SPOT ELEVATION DIRECTION OF FLOW

DRAINAGE SWALE

DRAINAGE BASIN DIVIDE

WINROCK SHOPPING LOCATION MAP J-19 1"= 750'

CONCEPTUAL GRADING AND DRAINAGE PLAN

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			HYDROL	OGY - H	YMO			
	lion Zone	3				P360 = 2	.60 inche	s
BASIN	AREA	Aa	Ab	Ac	Ad	E	Q100	VOL10
	acres	acres	acres	acres	acres	inches	cfs	af
EXISTING	CONDITIO	N:						
SITE	0.36	0.00	0.00	0.36	0.00	1,29	1.2	0.04
DEVELOP	ED CONDI	TION:						
SITE	0.36	0.00	0.03	0.03	0.30	2.15	1.7	0.06

DROLOGY DIVISION

NOV - 1 1995

CONCEPTUAL GRADING AND DRAINAGE PLAN

LEGAL DESCRIPTION LOTS 39 AND 40 IN BLOCK-11 OF BLOCKS 1 TO 21, SNOW HEIGHTS

ALBUQUERQUE, NEW MEXICO

ADDRESS: PENNSYLVANIA ST. NE TOPOGRAPHY TOPOGRAPHY TAKEN FROM FLOODWAY PANEL 350002-0030

DATED 10-8-1980



FER Albu Pro

REVISION DATE

DATE

9-21-95

SHEET NUMBER C-1