

CHINESE PISTACHE (M) 8

SHUMARD OAK (M) 11

Pistacia chinensis

€ Quercus shumardii

CHITALPA (M) 7

Chilopsis x Catalpa

Celtis occidentalis

BANANA YUCCA (L) 1

Yucca baccata

5 Gal. 9sf

SHRUBS/ORNAMENTAL GRASSES

RED YUCCA (L) 6

Hesperaloe parviflora

PRICKLY PEAR (L) 3

Opuntia macrocentra

BIRD OF PARADISE (L) 5

LITTLELEAF SUMAC (L+) 7

Caesalpinia gilliesii

5 Gal. 100sf

Rhus microphylla 5 Gal. 81sf

SNOWBERRY (M) 27

Sumphoricarpos albus

RUSSIAN SAGE (M) 37

Perovskia atriplicifolia

MAIDENGRASS (M) 18 Miscanthus sinensis

Chrysothamnus nauseosus

POMIS CASTLE SAGE (L+) 42 Artemisia X Powis Castle

GREYLEAF COTONEASTER (M) 30

Cotoneaster buxifolius

Symbol indicates 3 plants

CHAMISA (L) 96

1 Gal. 25sf

5 Gal.

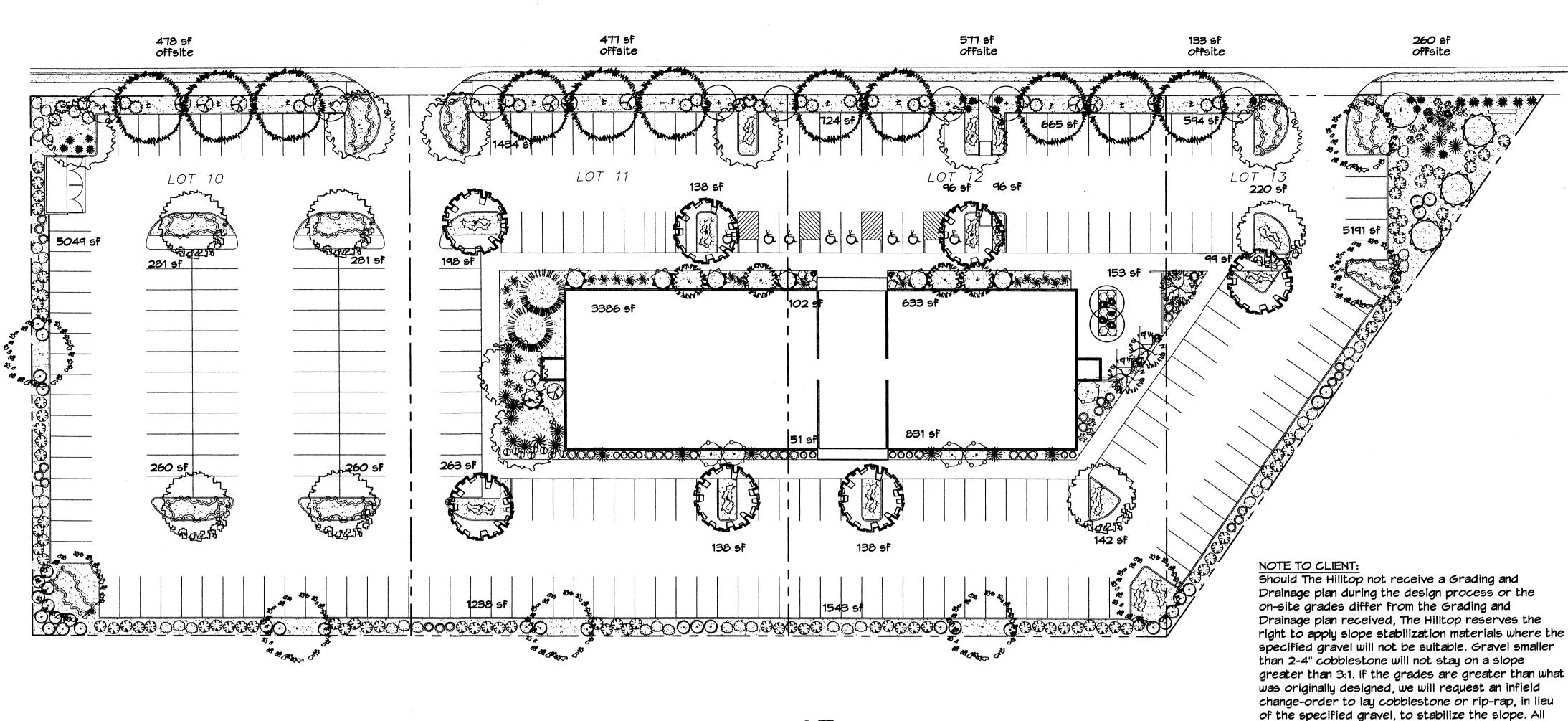
ONE GAL .

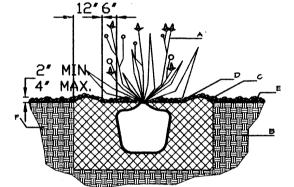
2" Cal.

DESERT ACCENTS

FIVE GAL.

COMMON HACKBERRY (M) 8





## GENERAL NOTES:

1. THE OUTSIDE DIAMETER OF THE WATER RETENTION BASIN SHALL BE TWICE THE DIAMETER OF THE SHRUB PLANTING PIT.

# SHRUB PLANTING DETAIL

A. SHRUB.

C. EARTH BERM AROUND WATER RETENTION

CONSTRUCTION NOTES:

TREE PLANTING DETAIL

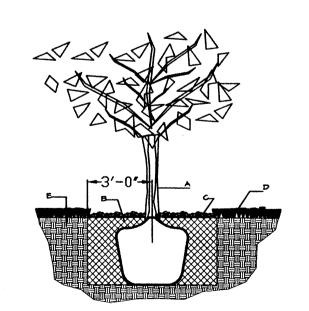
B. BACKFILL WITH EXISTING SOIL.

C. 4" DEPTH OF BARK MULCH.

D. TURF AT FINISH GRADE.

E. UNDISTRUBED SOIL.

D. 4" DEPTH OF BARK MULCH. E. FINISH GRADE.



### GENERAL NOTES:

1. ROOTBALL SHALL BE PLACED ON UNDISTURBED SOIL TO PREVENT TREE FROM SETTLING.

2. TOP OF ROOTBALL INDICATED LEVEL AT WHICH TREE WAS GROWN AND DUG: THIS REPRESENTS THE LEVEL AT WHICH THE TREE SHOULD BE INSTALLED; THAT LEVEL MAY BE EXCEEDED BY ONLY A ONE INCH LAYER OF

3. PRIOR TO BACKFILLLING TREE, ALL WIRE, ROPE AND SYNTHETIC MATERIALS SHALL BE REMOVED FROM THE TREE AND THE PLANTING PIT.

4. PRIOR TO BACKFILLING ALL BURLAP SHALL BE CUT AWAY EXCEPT FROM BOTTOM OF THE ROOTBALL...

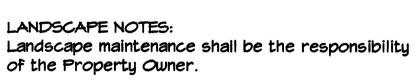
# CONSTRUCTION NOTES:

A. TREE

NTS

B. BACKFILL WITH EXISTING SOIL.

F. UNDISTURBED SOIL.



AUTOMATIC VALVE W/ ATMOSPHERIC

11) WATERPROOF WIRE CONNECTOR

GALVANIZED NIPPLE - 18" TO 24" LENGTH

ATMOSPHERIC VACUUM BREAKER

WIRE EXPANSION LOOPS

GALVANIZED STREET ELL

18) TOE NIPPLE OR MALE ADAPTER

VALVE BOX

FINISH GRADE

1 MAINLINE FITTING
2 CMU BLOCK

LATERAL PIPE

GRAVEL

REDUCER BUSHING

GALVANIZED NIPPLE

(10) GALVANIZED ELBOW

GALVANIZED NIPPLE

24" TO 36" GALVANIZED NIPPLE

AUTOMATIC VALVE (SEE LEGEND)

VACUUM BREAKER

It is the intent of this plan to comply with the City Of Albuquerque Water Conservation Landscaping and Water Waste Ordinance planting restriction approach. Approval of this plan does not constitute or imply exemption from water waste provisions of the Water Conservation Landscaping and Water Waste Ordinance.

Mater management is the sole responsibility of the Property Owner. All landscaping will be in conformance with the City of Albuquerque Zoning Code, Street Tree Ordinance, Pollen Ordinance, and Mater Conservation Landscaping and Mater Waste Ordinance. In general, water conservative, environmentally sound landscape principles will be followed in design and installation.

Plant beds shall achieve 75% live ground cover at maturity.

Santa Fe Brown Gravel over Filter Fabric shall be placed in all landscape areas which are not designated to receive native seed.

## Irrigation shall be a complete underground system with Trees to receive 1 Netafim spiral (50' length) with 3 loops at a final radius of

IRRIGATION NOTES:

Netafim Spiral Detail

4.5' from tree trunk, pinned in place. Netafim shall have emitters 12" o.c. with a flow of .6 aph. Shrubs to receive (2) 1.0 GPH Drip Emitters. Drip and Bubbler systems to be tied to 1/2" polypipe with flush caps at each end. Trees and shrubs shall be on separate valves.

Run time per each shrub drip valve will be approximately 15 minutes per day. Tree drip valve shall run 1.5 hours, 3 times per week. Run time will be adjusted according to the season.

Point of connection for irrigation system is unknown at current time and will be coordinated in the field. Irrigation will be operated by automatic controller.

Location of controller to be field determined and power source for controller to be provided by others.

Irrigation maintenance shall be the responsibility of the Property Owner.

Water and Power source shall be the responsibility of the Developer/Builder.

## PARKING LOT TREE REQUIREMENTS

vegetative material shall remain per plan.

Tree Trunk

Emitter-12" o.c.

Root Ball

Shade trees required under the City Of Albuquerque Parking Lot Tree Ordinance are as follows:

1 Shade tree per 10 spaces Required # 27 Provided # 27

TOTAL SOD AREA

(max. 20% of landscape required)

TOTAL LANDSCAPE PROVIDED

HARDSCAPES

square feet

26129 (22%)square feet

GROUNDCOVERS

## SANTA FE BROWN GRAVEL

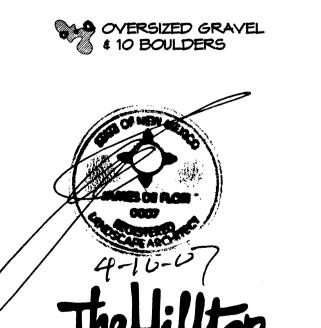
MITH FILTER FABRIC

## LANDSCAPE CALCULATIONS

TOTAL LOT AREA	135105 sc	quare feet
TOTAL BUILDINGS AREA	16000 so	quare feet
OFFSITE AREA	1925 sc	quare feet
NET LOT AREA	119105sc	quare feet
LANDSCAPE REQUIREMENT	15%	
TOTAL LANDSCAPE REQUIREMENT	17866 so	quare feet
TOTAL BED PROVIDED	24204sc	quare feet
GROUNDCOVER REQ.	75% so	quare feet
TOTAL GROUNDCOVER REQUIREMENT	18153 sc	quare feet
TOTAL GROUNDCOVER PROVIDED	19061 (79%)sc	quare feet

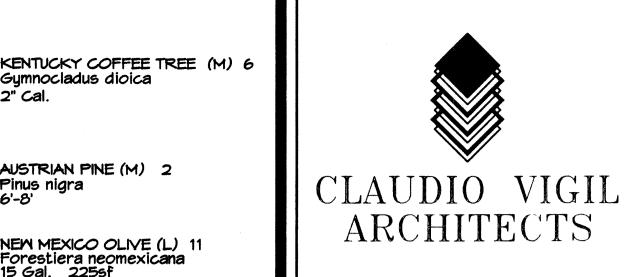
GRAPHIC SCALE

30 15 0 15 SCALE: 1"=30'



Cont. Lic. #26458 7909 Edith N.E.

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## **CONSULTANTS**

PROFESSIONAL SEAL

PRELIMINARY
NOT FOR CONSTRUCTION

Ericameria laricifolia 1 Gal. 165f DEER GRASS (M) 6 Muhlenbergia rigens

AUTUMN SAGE (M) 13 Salvia greggii 1 Gal. 9sf

1 Gal. 16sf

Gymnocladus dioica

AUSTRIAN PINE (M) 2

NEW MEXICO OLIVE (L) 11 Forestiera neomexicana 15 Gal. 225sf

DESERT MILLOM (L) 3

Chilopsis linearis

15 Gal. 225sf

VITEX (M) 3

Vitex agnus-castus 15 Gal. 225 sf

BEARGRASS (L+) 17 Nolina microcarpa

BLUE SOTOL (L)

Dasylirion wheeleri

TURPENTINE BUSH (L+) 38

MASHINGTON HAWTHORN (M+) 4 Crataegus phaenopyrum

2" Cal.

Pinus nigra

LAVENDER (M) 11 Lavandula angustifolia 1 Gal. 95f

> MEDIUM NATIVE GRASSES 8 INCLUDING BUT NOT LIMITED TO SAND LOVEGRASS AND LITTLE BLUESTEM

BLUE AVENA/OAT GRASS (M) 14 Helictotrichon sempervirens

1 Gal. 9sf

THREADGRASS (M) 27 Stipa tennuisima

## 1 Gal. 4sf

HONEYSUCKLE (M) 11

Unstaked-Groundcover

Lonicera japonica 'Halliana' 1 Gal. 144sf

### UNIVERSITY OF MINTER JASMINE (L+) 15 Jasminum nudiflorum 1 Gal. 144sf **PHOENIX**

ADULT EDUCATIONAL **FACILITY** 

BALLOON FIESTA AVE. ALBUQUERQUE, NEW MEXICO

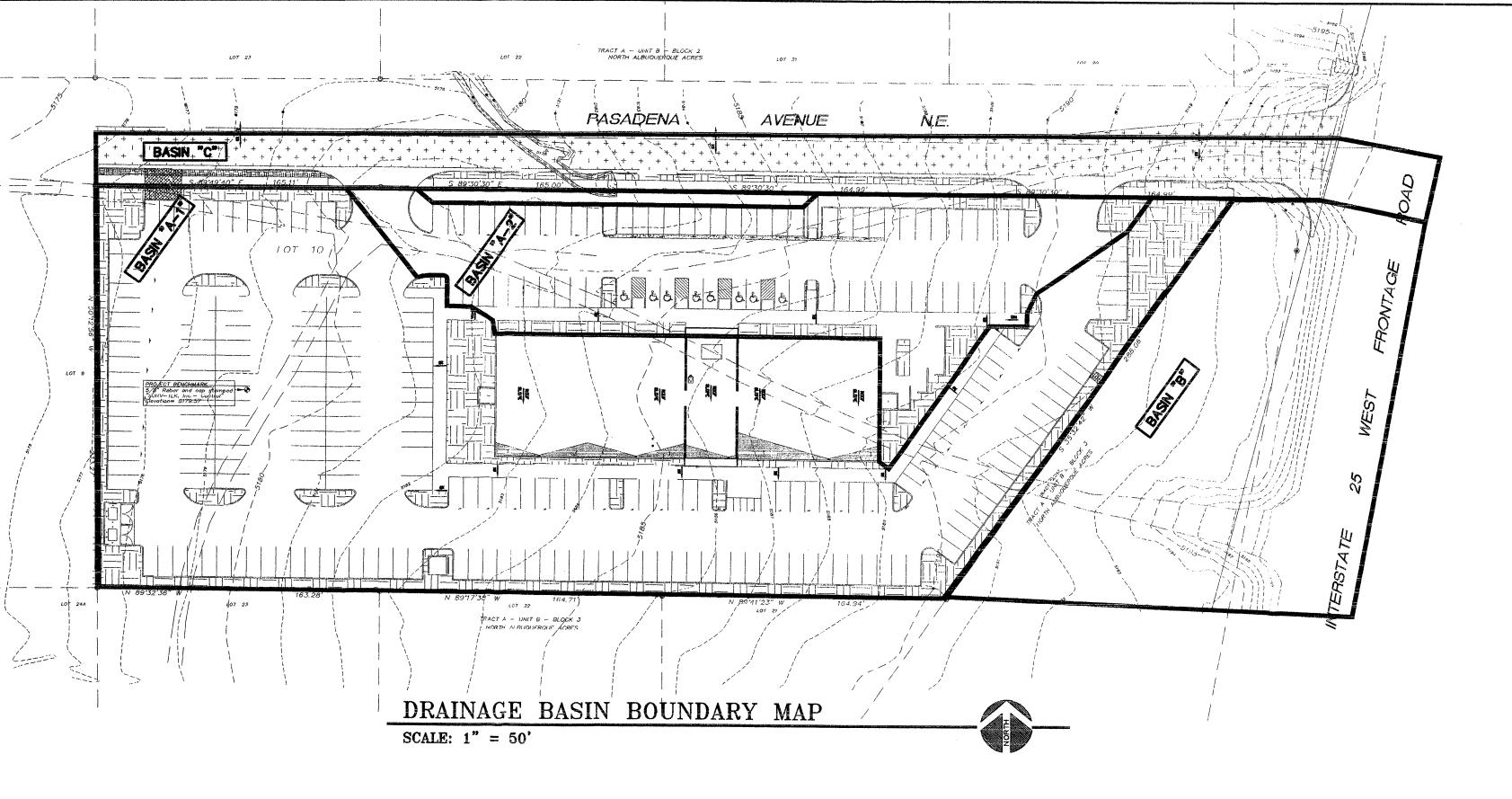
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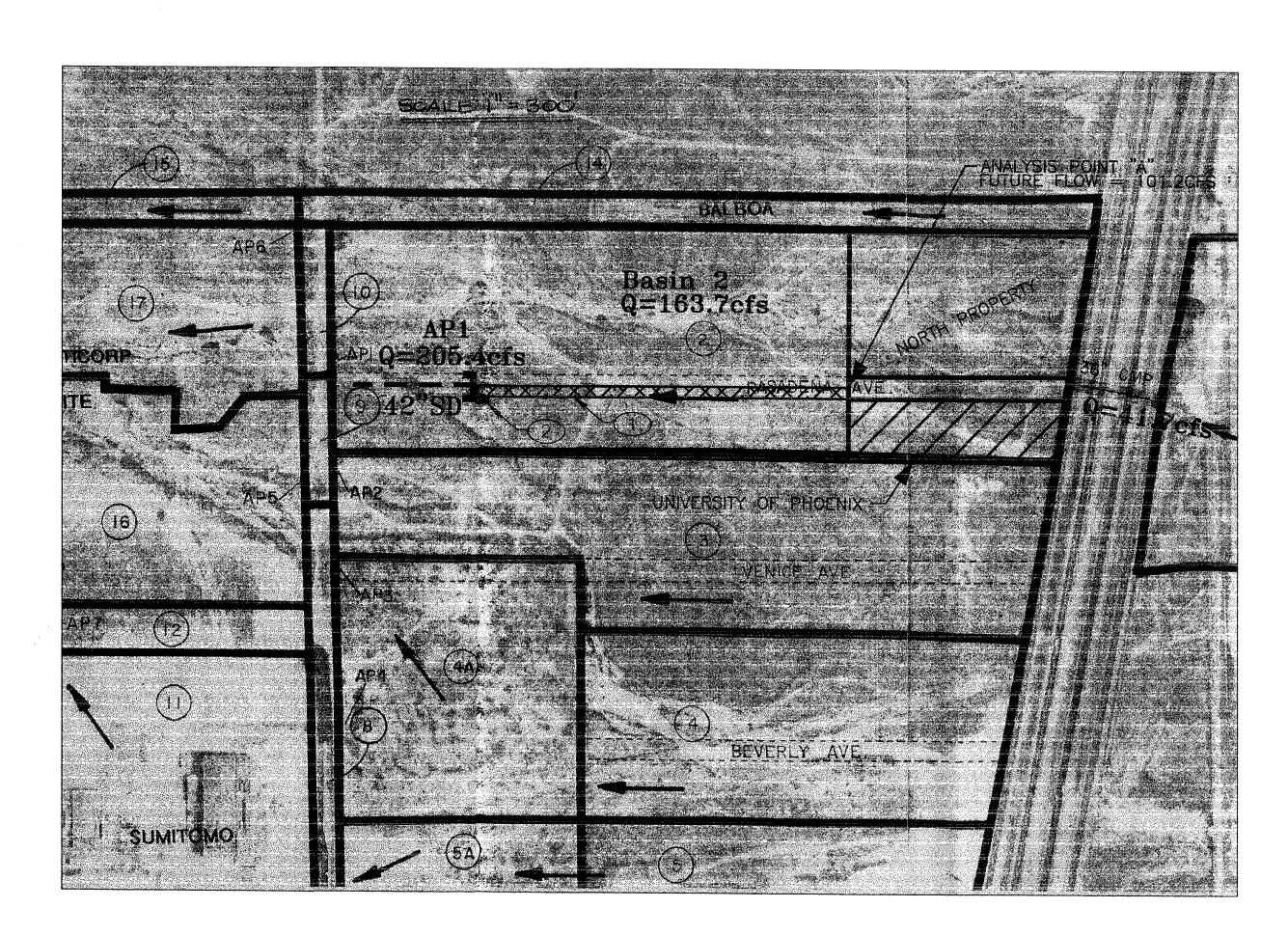
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DATE:			4/9/0

LANDSCAPE PLAN

SHEET TITLE

SHEET NUMBER



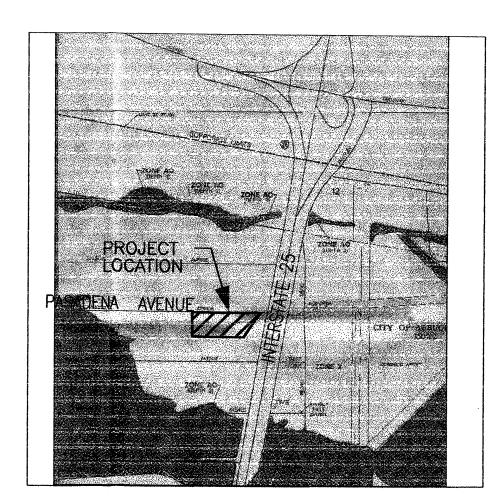


MASTER PLAN DRAINAGE BASIN BOUNDARY MAP SCALE: 1" = 300'



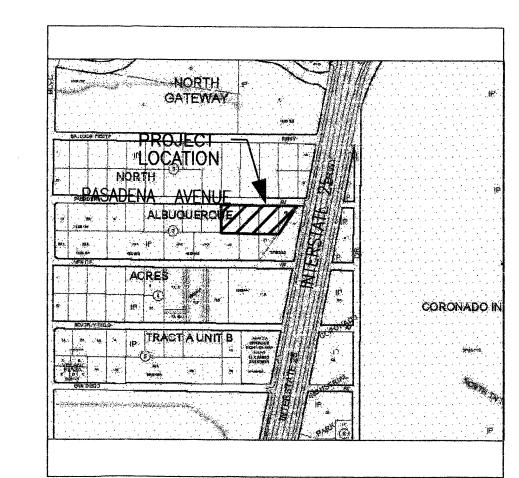
## CONSTRUCTION NOTES:

- INSTALL 24' WIDE , APPROXIMATELY 1200LF OF TEMPORARY ASPHALT PAVING SECTION WITH 6" HIGH ASPHALT CURB. DESIGN TO BE PROVIDED WITH DRC DRAWINGS.
- 2 INSTALL TYPE "A" INLET PER CITY STANDARD DRAWING 2201, DESIGN TO BE PROVIDED WITH DRC DRAWINGS.



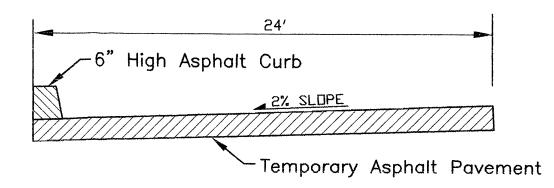
FIRM MAP 35001C0358D SCALE: N.T.S.





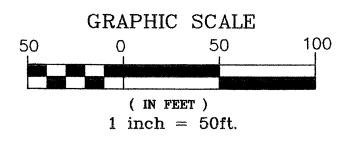
VICINITY MAP C-18
SCALE: N.T.S.





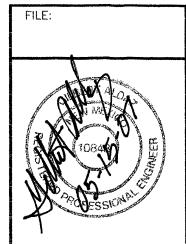
PASADENA AVENUE

SCALE: 1" = 5





DATE/REVISIONS:

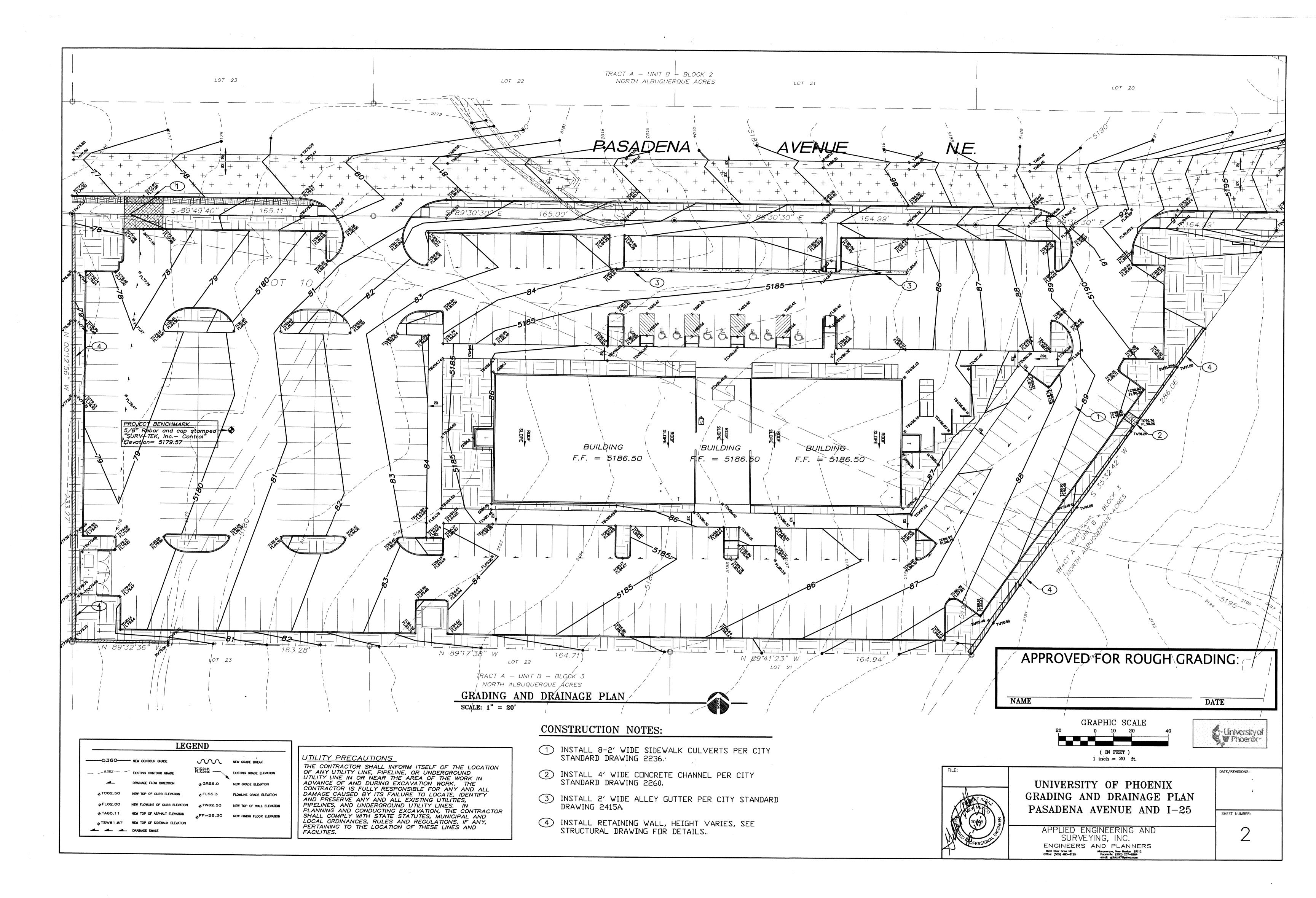


UNIVERSITY OF PHOENIX
DRAINAGE ANALYSIS
PASADENA AVENUE AND I-25

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1



### DRAINAGE CALCULATIONS

#### DRAINAGE PLAN

THE FOLLOWING ITEMS CONCERNING THE UNIVERSITY OF PHOENIX SITE LOCATED AT THE SOUTHWEST CORNER OF 1-25 FREEWAY FRONTAGE ROAD AND PASADENA AVENUE NE, ALBUQUERQUE, NEW MEXICO, GRADING AND DRAINAGE PLAN ARE CONTAINED HEREON:

- 1. DRAINAGE CALCULATIONS
- 2. VICINITY MAP (B-18)
- 3. FLOOD INSURANCE RATE MAP 35001C0129 D

#### **EXITING CONDITIONS**

AS SHOWN BY THE VICINITY MAP, THE SITE IS LOCATED APPROXIMATELY 30 FEET WEST OF THE SOUTHWEST CORNER OF THE INTERSECTION OF THE I-25 FREEWAY FRONTAGE ROAD AND PASADENA AVENUE NE, (SEE ATTACHED VICINITY MAP B-18). THE PARCEL'S LEGAL DESCRIPTION IS LOTS 10, 11, 12, 13, BLOCK 3, NORTH ALBUQUERQUE ACRES, TRACT A, UNIT B. THE PROPERTY IS BOUNDED ON THE NORTH BY PASADENA AVENUE NE, TO THE EAST BY TRACT A-1 WHICH IS UNDEVELOPED, TO THE SOUTH BY LOTS 21-23 WHICH IS UNDEVELOPED AND TO THE WEST BY LOT 9 WHICH IS ALSO UNDEVELOPED. THIS SITE CONTAINS APPROXIMATELY 3.10 ACRES AND IS CURRENTLY UN-DEVELOPED WITH NATURAL VEGETATION.

THE SITE CURRENTLY DRAINS FROM EAST TO WEST AT APPROXIMATELY 3% SLOPE. STREET FRONTAGE ON PASADENA AVENUE NE HAS NO PAVING AND IS CURRENTLY UNDEVELOPED. THE 1-25 FREEWAY FRONTAGE ROAD TO THE EAST IS BUILT TO PERMANENT NEW MEXICO HIGHWAY STANDARDS.

THE SITE IS LOCATED ON FIRM MAP 35001 C0129 D AS SHOWN ON THE ATTACHED DRAWING. THE MAP SHOWS THAT THE SITE DOES NOT LIE WITHIN A 100-YEAR FLOOD PLAIN.

THE SITE LIES WITHIN AN AREA OF A MASTER DRAINAGE PLAN THAT WAS PREPARED FOR THE CITICORP SITE, DATED MAY 1996, FILE B17/D3. PASADENA AVENUE NE IS PAVED WITH HALF A STREET SECTION AND CONTAINS A 42" STORMDRAIN APPROXIMATELY 1200 FEET WEST OF THIS SITE. THIS SITE COMPLIES WITH THE REQUIREMENTS OF THIS MASTER DRAINAGE PLAN.

AS SHOWN BY THE GRADING PLAN PREPARED FOR THIS SITE, THE INTENT IS TO CONSTRUCT A NEW BUILDING FOR AN ADULT EDUCATIONAL FACILITY AND APPROXIMATELY 267 PAVED PARKING SPACES AND ASSOCIATED LANDSCAPING TO MEET CITY ZONING REQUIREMENTS.

THE PROPOSED DRAINAGE MANAGEMENT PLAN FOR THIS SITE, BASIN "A" IS TO FREE DISCHARGE THIS SITE TOWARDS THE NORTHWEST CORNER OF THE SITE AND INTO PASADENA AVENUE NE WITH A SIDEWALK CULVERT SYSTEM. THE IMPROVEMENTS FOR THIS SITE WILL ALSO INCLUDE CONSTRUCTION OF A 1200 FOOT LONG, 24 FOOT WIDE TEMPORARY PAVED ROADWAY SECTION IN PASADENA AVENUE NE AND WILL CONNECT INTO THE EXISTING PERMANENT HALF STREET SECTION OF PASADENA AVENUE NE APPROXIMATELY 1200 FEET WEST OF THIS SITE. THIS WILL ALSO INCLUDE CONSTRUCTION OF A NEW INLET WHERE THE TEMPORARY STREET MEETS THE PERMANENT STREET SECTION OF PASADENA AVENUE NE. (THESE IMPROVEMENTS WERE AGREED TOO AT A MEETING WITH BRAD BINGHAM ON 05/04/07 AS PART OF THIS DEVELOPMENT.

BASIN B ON THE EAST SIDE OF THIS SITE WHICH CONSIST OF A PORTION OF TRACT "A-1" AND I-25 FRONTAGE ROAD WILL FREE DISCHARGE INTO THIS SITE BOTH FOR THE UNDEVELOPED AND FOR THE FUTURE DEVELOPED CONDITIONS OF TRACT "A-1". A SIDEWALK CULVERT WILL BE PROVIDED ON THE EAST BOUNDARY AS PART OF THIS DEVELOPMENT TO ADDRESS THESE OFFSITE FLOWS.

BASIN C ON THE NORTH SIDE OF THIS SITE WILL CONSIST OF THE FRONTAGE PORTION OF HALF OF PASADENA AVENUE CONSTRUCTED TO PERMANENT CITY STANDARDS AND WILL DRAIN TO THE WEST USING THE TEMPORARY PAVEMENT SECTION OF PASADENA AVENUE NE.

THE CALCULATIONS THAT APPEAR HEREON, ANALYZE BOTH THE EXISTING AND DEVELOPED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAINFALL RUNOFF FOR PEAK FLOWS AND STORM DURATION FOR VOLUME REQUIREMENTS. THE PROCEDURE FOR 40 ACRE AND SMALLER BASINS AS SET FORTH IN THE REVISION OF SECTION 22.7 HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA, DATED JANUARY 1993. THIS D.P.M. PROCEDURE IS USED FOR ANALYZING ONSITE FLOWS.

### DOWNSTREAM CAPACITY

BASED ON A REVIEW OF THE MASTER PLAN AND THE TEMPORARY HALF STREET IMPROVEMENTS FOR PASADENA AVENUE NE ALONG WITH THE INLET THIS WILL DRAIN INTO THE EXISTING 42" STORM DRAIN PER THE MASTER PLAN REQUIREMENTS. DOWNSTREAM CAPACITY IS NOT AN ISSUE AND FREE DISCHARGE IS APPROPRIATE FOR THIS DEVELOPMENT.

### **EROSION CONTROL**

THE CONTRACTOR WILL BE REQUIRED TO DEVELOP A STORM WATER POLLUTION PREVENTION PLAN AND COMPLETE AND SUBMIT A NOTICE OF INTENT (NOI) TO THE EPA PRIOR TO BEGINNING CONSTRUCTION GRADING ACTIVITIES.

THE CONTRACTOR WILL ALSO BE REQUIRED TO PREPARE A SEDIMENT CONTROL PLAN REQUIRED FOR NEW MEXICO ENVIRONMENTAL DEPARTMENT PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.

### OFFSITE FLOWS

BASED ON A FIELD VISIT OF THE SITE AND REVIEW OF THE TOPOGRAPHIC SURVEY OFFSITE FLOWS ENTER THIS SITE FROM THE EAST SIDE OF THIS DEVELOPMENT. BASIN B-1 ON THE EAST SIDE OF THIS SITE WHICH CONSIST OF A PORTION OF TRACT "A-1" AND I-25 FRONTAGE ROAD WILL FREE DISCHARGE INTO THIS SITE BOTH FOR THE UNDEVELOPED AND FOR THE FUTURE DEVELOPED CONDITIONS OF TRACT "A-1". A SIDEWALK CULVERT WILL BE PROVIDED ON THE EAST BOUNDARY AS PART OF THIS DEVELOPMENT TO ADDRESS THESE OFFSITE FLOWS.

### DRAINAGE CALCULATIONS

- . PRECIPITATION ZONE = 3
- 2. DESIGN STORM = DEPTH (INCHES) AT 100-YEAR STORM
- 6-HOUR = 2.60 INCHES 24-HOUR = 3.10 INCHES
- 10 DAY = 4.90 INCHES
- 3. PEAK DISCHARGE (CFS/ACRE) FOR 100-YEAR, ZONE 2, TABLE A-9:
- Q = 1.87 CFS/ACRE SOIL UNCOMPACTED "A" Q = 2.60 CFS/ACRE LANDSCAPED "B"
- Q = 3.45 CFS/AC COMPACTED SOIL "C"
- Q = 5.02 CFS/ACRE IMPERVIOUS AREA "D"

FOR WATERSHEDS LESS THAN OR EQUAL TO 40 ACRES

- 4. EXCESS PRECIPITATION, E (INCHES), 6 HOUR STORM, ZONE 2, TABLE A-8
- E = 0.66INCHES SOIL UNCOMPACTED "A"
- E = 0.92 INCHES LANDSCAPED "B"
- E = 1.29 INCHES COMPACTED SOIL "C"
- E = 2.36INCHES IMPERVIOUS AREA 'D"

5. EXISTING CONDITIONS ONSITE: BASIN "A" AREA = 3.10ACRES TOTAL UNCOMPACTED AREA (UNDISTURBED) = 3.10ACRES TREATMENT "A" = 100% Q(EXISTING-6HR) = (1.87 X 3.10) = 5.79CFS - EXISTING SHEET FLOW RATE  $V(EXISTING-6HR) = (0.66 \times 3.10)/12 = 0.17AC-FT - EXISTING SHEET FLOW VOLUME$ 

BASIN "B" AREA = 0.95ACRES TOTAL UNCOMPACTED AREA (UNDISTURBED) = 0.69ACRES TREATMENT "A" = 0.69AC IMPERVIOUS AREA OF 1-25 FRONTAGE ROAD - ASPHALT PAVING = 0.26AC TREATMENT "D" = 0.26AC Q(EXISTING-6HR) =  $(1.87 \times 0.69) + (5.02 \times 0.26) = 2.59$ CFS EXISTING FLOW V(EXISTING-6HR) = ((0.66 X 0.69) + (2.36 X 0.26) ) / 12 = 0.09AC-FT EXISTING RUNOFF VOLUME

BASIN "C" AREA - ½ PASADENA DRIVE NE = 0.59ACRES TOTAL UNCOMPACTED AREA (UNDISTURBED) = 0.59ACRES TREATMENT "A" = 100% Q(EXISTING-6HR) = (1.87 X 0.59) = 1.10CFS - EXISTING SHEET FLOW RATE  $V(EXISTING-6HR) = (0.66 \times 0.59)/12 = 0.03AC-FT - EXISTING SHEET FLOW VOLUME$ 

6. PROPOSED CONDITIONS ONSITE: BASIN "A-1" AREA = 2.31ACRES LANDSCAPED AREA PROPOSED: TREATMENT "B" AREA = 13,939SF = 0.32AC IMPERVIOUS AREA PROPOSED: PARKING, SIDEWALK AND BUILDING AREA TREATMENT "D" AREA = 2.31 - 0.32AC = 1.99AC  $Q(PROPOSED-6HR) = (2.60 \times 0.32) + (5.02 \times 1.99)$ = 10.82CFS PROPOSED ONSITE FLOW  $V(PROPOSED-6HR) = ((0.92 \times 0.32) + (2.36 \times 1.99)) / 12 \times 43,560$ = 18,117CF = 0.42AC-FT PROPOSED RUNOFF VOLUME

BASIN "A-2" AREA = 0.75ACRES LANDSCAPED AREA PROPOSED: TREATMENT "B" AREA = 4,784SF = 0.11AC IMPERVIOUS AREA PROPOSED: PARKING, SIDEWALK AND BUILDING AREA TREATMENT "D" AREA = 0.75 - 0.11AC = 0.64AC  $Q(PROPOSED-6HR) = (2.60 \times 0.11) + (5.02 \times 0.64)$ = 3.50CFS PROPOSED ONSITE FLOW  $V(PROPOSED-6HR) = ((0.92 \times 0.11) + (2.36 \times 0.64)) / 12 \times 43.560$ = 5.850CF = 0.13AC-FT PROPOSED RUNOFF VOLUME

BASIN "B" AREA = 0.95 ACRES IMPERVIOUS AREA - FUTURE TRACT A-1: PARKING, SIDEWALK AND BUILDING AREA TREATMENT "D" AREA - FUTURE TRACT A-1 = 85% X 0.57AC = 0.48AC I-25 FRONTAGE ROAD - ASPHALT PAVING = 0.26AC LANDSCAPED AREA PROPOSED: TREATMENT "B" AREA =  $(15\% \times 0.57AC) + (0.38AC - 0.26AC) = 0.21AC$  $Q(PROPOSED-6HR) = (2.60 \times 0.21) + (5.02 \times (0.48 + 0.26))$ = 4.26CFS PROPOSED ONSITE FLOW  $V(PROPOSED-6HR) = ((0.92 \times 0.21) + (2.36 \times 0.26)) / 12 \times 43,560$ = 2.928CF = 0.07AC-FT PROPOSED RUNOFF VOLUME

BASIN "C" AREA - 1/2 PASADENA DRIVE NE = 0.63 ACRES LANDSCAPED AREA PROPOSED: TREATMENT "B" AREA = 3,920SF = 0.09AC IMPERVIOUS AREA PROPOSED: PARKING, SIDEWALK AND BUILDING AREA TREATMENT "D" AREA = 0.63 - 0.09AC = 0.54AC  $Q(PROPOSED-6HR) = (2.60 \times 0.09) + (5.02 \times 0.54)$ = 2.94CFS PROPOSED ONSITE FLOW  $V(PROPOSED-6HR) = ((0.92 \times 0.09) + (2.36 \times 0.54)) / 12 \times 43,560$ = 4.927CF = 0.11AC-FT PROPOSED RUNOFF VOLUME

SIZE RUNDOWN AT NORTHWEST CORNER OF SITE FOR BASIN "A-1": Q(PROPOSED-6HR) = BASIN "A-1" + BASIN "B" Q(PROPOSED-6HR) = 10.82 + 4.26CFS = 15.08CFS

CHECK WEIR CAPACITY: Q(CAPACITY) = C X L X H\*\*3/2L = Q / C X H\*\*3/2Q = 15.08CFS, H = 0.5FEET, C = 3 $L = 15.08/(3 \times 0.5^{**}3/2) = 2.45$ FEET 14.2FEET WIDTH REQUIRED, USE 15 FEET OPENING - OK

SIZE RUNDOWN AT EAST SIDE OF SITE FOR BASIN "B" Q(PROPOSED-6HR) = BASIN "B" Q(PROPOSED-6HR) = 4.26CFS = 4.26CFS

> **CHECK WEIR CAPACITY:** Q(CAPACITY) = C X L X H\*\*3/2  $L = Q / C X H^{**} 3/2$ Q = 4.26CFS, H = 0.5FEET, C = 3 $L = 4.26/(3 \times 0.5^{**}3/2) = 4.01$ FEET 4.01FEET WIDTH REQUIRED, USE 4 FEET OPENING - OK

- SIZE TEMPORARY STREET SECTION FOR PASADENA AVENUE Q(PROPOSED-6HR) = BASIN "A-1" + BASIN "A-2" + BASIN "B" + BASIN "C" Q(PROPOSED-6HR) = 10.82 + 3.50 + 4.26 + 2.94CFS = 21.52CFS AVERAGE SLOPE FOR APPROXIMATELY 1200FEET WEST = 2.5% CITY DPM PLATE 22.3 D-2 FOR 40' STREET SECTION STREET DEPTH AT CURB = 0.49', USE 0.5' (6") CURB HEIGHT
- ANALYSIS POINT "A" ON PASADENA AVENUE PERMANENT CONDITION BASIN "NORTH PROPERTY" AREA = 8.14ACRES LANDSCAPED AREA FUTURE (USE SAME PERCENT AS BASIN A-1): TREATMENT "B" AREA = 14% X 8.14AC = 1.13AC IMPERVIOUS AREA FUTURE (USE SAME PERCENT AS BASIN A-1): PARKING, SIDEWALK AND BUILDING AREA TREATMENT "D" AREA = 86% X 8.14AC = 7.00AC  $Q(PROPOSED-6HR) = (2.60 \times 1.13) + (5.02 \times 7.00)$ = 38CFS FUTURE NORTH PROPERTY ONSITE FLOW

OFFSITE FLOW THROUGH CULVERT UNDER I-25 = 41.7CFS UNIVERSITY OF PHOENIX DEVELOPMENT = 10.82 + 3.50 + 4.26 + 2.94CFS UNIVERSITY OF PHOENIX DEVELOPMENT = 21.52CFS ANALYSIS POINT "A" FUTURE FLOW RATE = 38 + 41.7 + 21.5CFS ANALYSIS POINT "A" FUTURE FLOW RATE = 101.2CFS

11. SIZE PERMANENT STREET SECTION FOR PASADENA AVENUE AND DETERMINE IF STORM DRAIN NEEDS TO BE EXTENDED ANALYSIS POINT "A" FUTURE FLOW RATE = 101.2CFS AVERAGE SLOPE FOR APPROXIMATELY 1200FEET WEST = 2.5% CITY DPM PLATE 22.3 D-2 FOR 40' STREET SECTION STREET DEPTH AT CURB = 0.63' < 0.87' OK, NO STORM DRAIN REQUIRED TO BE EXTENDED TO ANALYSIS POINT "A"

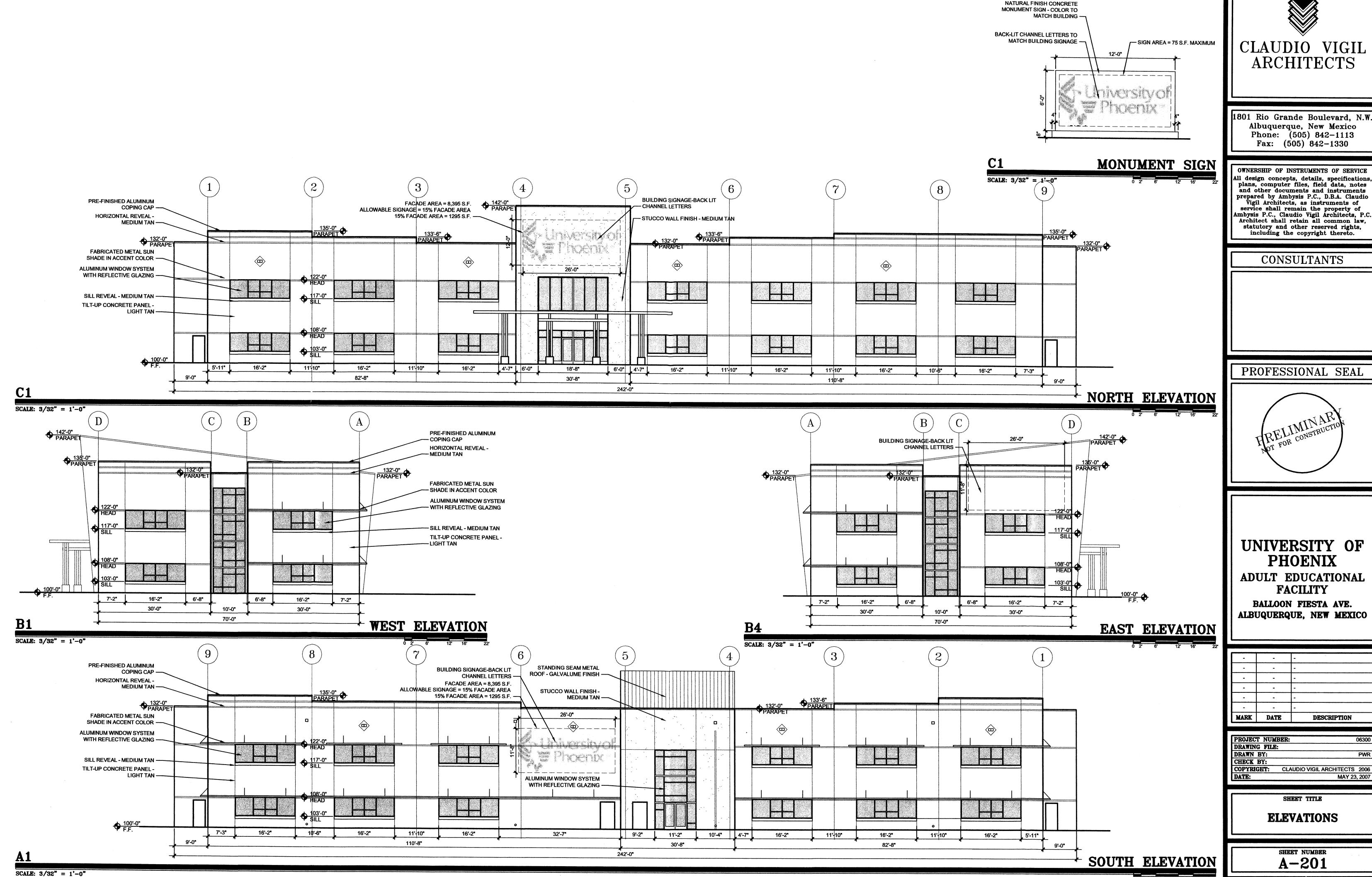


DATE/REVISIONS:

SHEET NUMBER:

UNIVERSITY OF PHOENIX DRAINAGE CALCULATIONS PASADENA AVENUE AND I-25

APPLIED ENGINEERING AND SURVEYING, INC. ENGINEERS AND PLANNERS Albuquerque, New Mexico 87112 Facelmile: (505) 237—8164 email: galdaz47**0**yahoo.com





1801 Rio Grande Boulevard, N.W. Albuquerque, New Mexico Phone: (505) 842-1113 Fax: (505) 842-1330

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CONSULTANTS

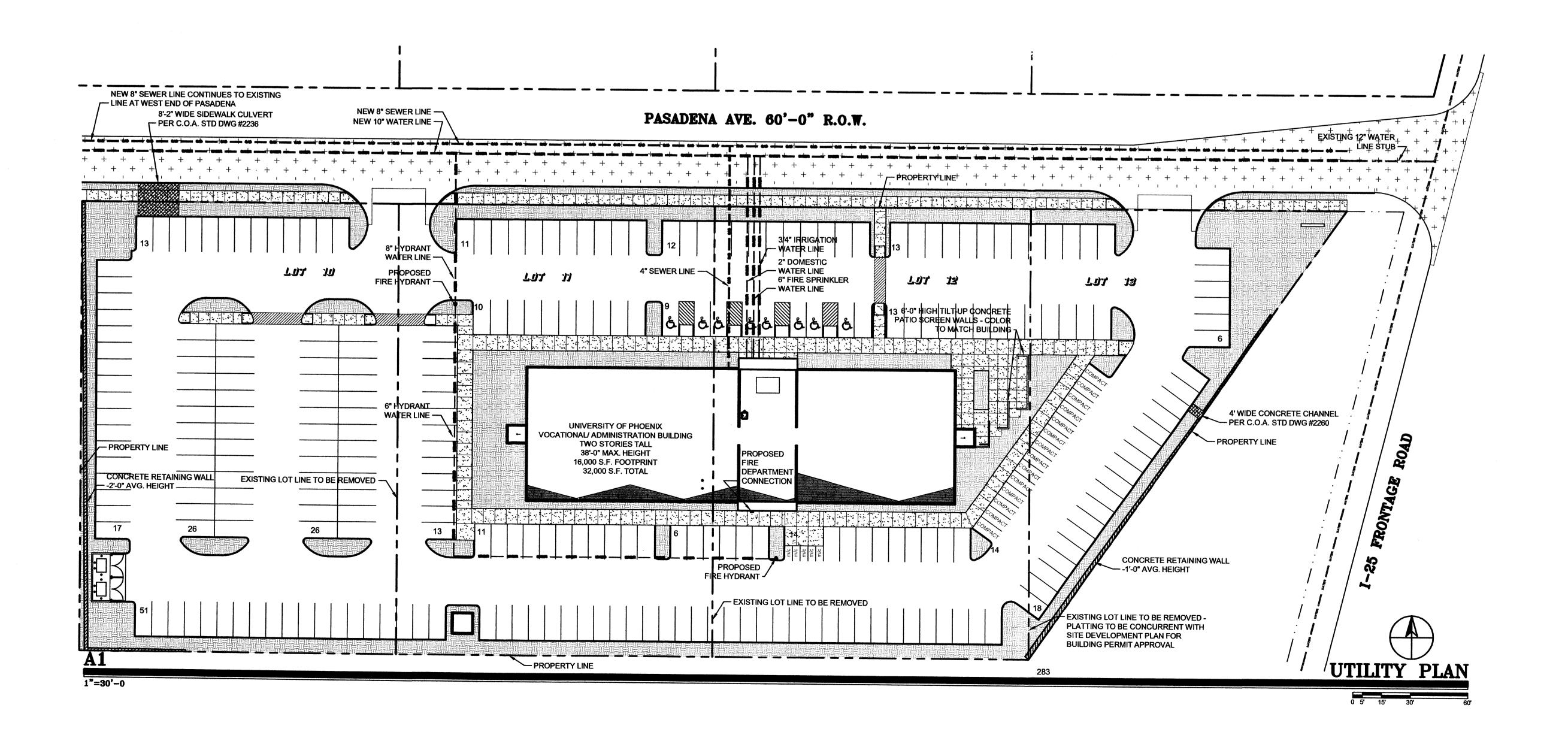




UNIVERSITY OF **PHOENIX** ADULT EDUCATIONAL **FACILITY** 

DESCRIPTION

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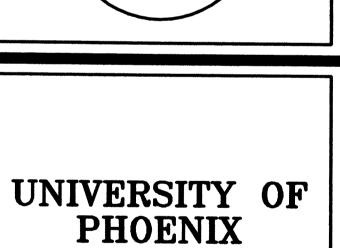


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## CONSULTANTS





ADULT EDUCATIONAL FACILITY
BALLOON FIESTA AVE.

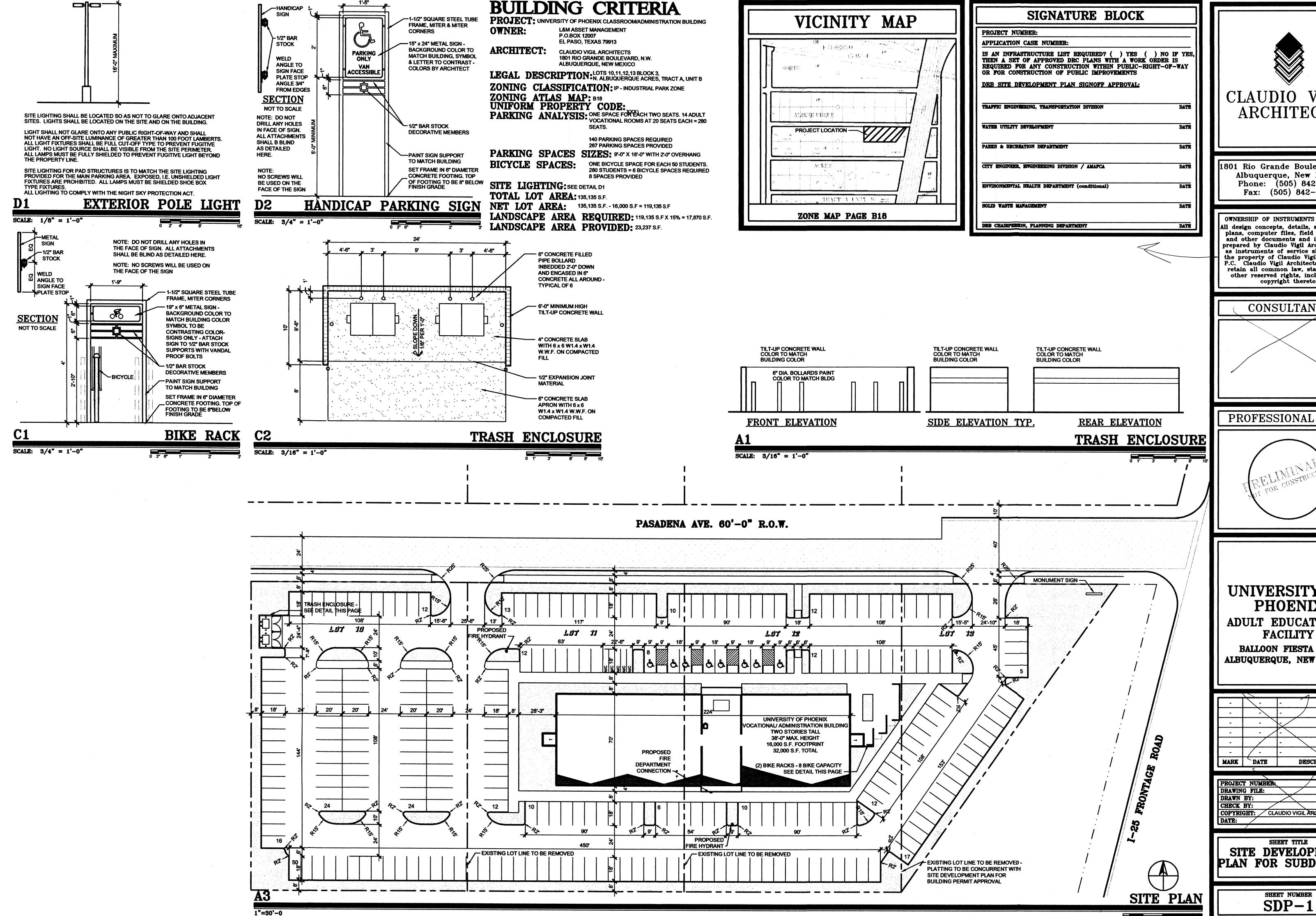
ALBUQUERQUE, NEW MEXICO

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MARK	DATE	DESCRIPTION

PROJECT NUM	IBER: 0630
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DATE:	MAY 23, 200

SITE DEVELOPMENT
PLAN FOR SUBDIVISION

SHEET NUMBER
UTILITY PLAN



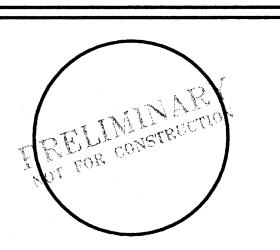
**ARCHITECTS** 

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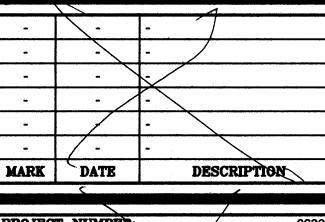
CONSULTANTS

PROFESSIONAL SEAL



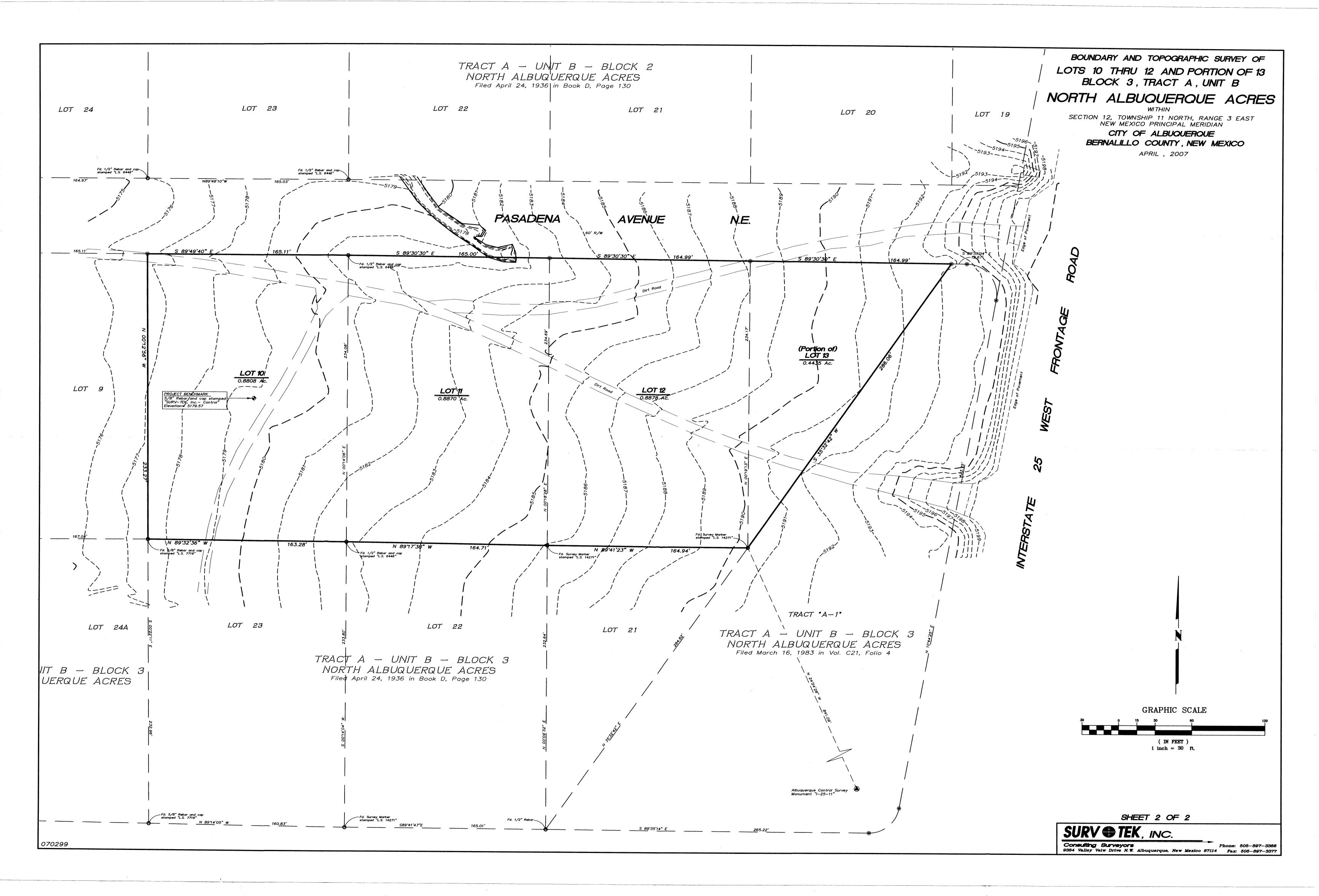
UNIVERSITY OF **PHOENIX** ADULT EDUCATIONAL

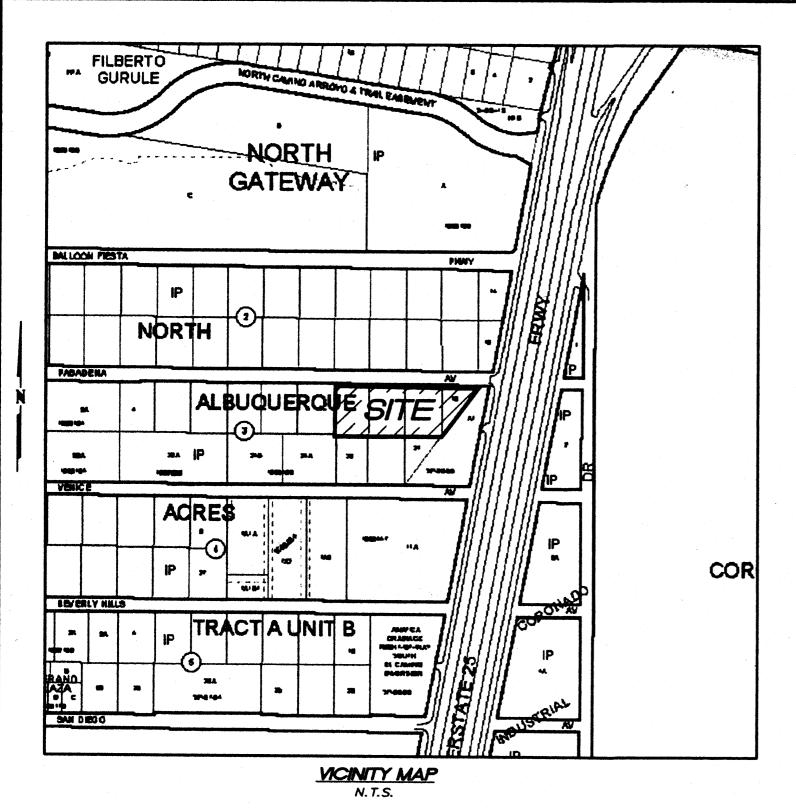
BALLOON FIESTA AVE. ALBUQUERQUE, NEW MEXICO



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SITE DEVELOPMENT PLAN FOR SUBDIVISION





#### GENERAL NOTES

- Bearings are New Mexico State Plane Grid Bearings (Central Zone - NAD27).
- Distances are ground.
- Distances along curved lines are arc lengths.
- Record Plat or Deed bearings and distances, where they differ from those established by this field survey, are shown in parenthesis ( ).
- All corner found in place and held were tagged with a brass disk stamped "HUGG L.S. 9750" unless otherwise indicated
- 6. All corners that were set are a 5/8" rebar with cap stamped MUGG L.S. 9/50" unless otherwise indicated hereon
- City of Albuquerque Zone Atlas Page B-18-Z
- U.C.L.S. Log Number 2007192551
- Current Zoning of the subject property is "IP- Industrial Park Zone" per the City of Albuquerque Zone Atlas page B-18.

#### PURPOSE OF PLAT:

The Purpose of this plat is to:

- Combine existing Lots 10 thru 12 and a portion of Lot 13 into One (1) Lot as shown hereon.
- Dedicate the Southerly portion of Pasadena Avenue N.E. to the City of Albuquerque in fee simple.



#### TREASURERS CERTIFICATION

This is to certify that taxes are current and paid on the following:

#### PUBLIC UTILITY EASEMENTS

PUBLIC UTILITY EASEMENTS shown on this plat are granted for the common and joint use of:

- A. PNM Electric Services for installation, maintenance, and service of underground electrical lines, transformers and other equipment and related facilities reasonably necessary to provide electrical service.
- PNM Gas Services for installation, maintenance, and service of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas.
- QWest Corporation for the installation, maintenance, and service of such lines, cable, and other related equipment and facilities reasonably necessary to provide communication services, including but not limited to ground pedestals and
- Comcast Cable for the installation, maintenance, and service of such lines, cable, and other related equipment and facilities reasonably necessary to provide Cable TV service.

Included, is the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, modify, renew, operate, and maintain facilities for the purposes described above, together with free access to, from, and over said easements, including sufficient working area space for electric transformers, with the right and privilege to trim and remove trees, shrubs or bushes which interfere with the purposes set forth herein. No building, sign, pool (aboveground or subsurface), hot tub, concrete or wood pool decking, or other structure shall be erected or constructed on said easements, nor shall any well be drilled or operated thereon. Property owners shall be solely responsible for correcting any violations of National Electrical Safety Code by construction of pools, decking, or any structures adjacent to or near easements shown on this plat.

Easements for electric transformers/switchgears, as installed, shall extend ten feet (10') in front of transformer/switchgear doors and five feet (5') on each side.

#### SURVEYOR'S CERTIFICATION

I, Russ P. Hugg, New Mexico Professional Surveyor Number 9750, hereby certify that this plat of survey was prepared from field notes of an actual ground survey performed by me or under my direct supervision; that it meets the Standards for Land Surveys in the State of New Mexico as adopted by the New Mexico State Board of Registration for Professional Engineers and Professional Surveyor's; that it meets the minimum requirements for surveys and monumentation of the Albuquerque Subdivision Ordinance; that it shows all easements of record; and that it is true and correct to the best of my knowledge and belief.

Russ P. Hugg NMPS No. 9750 April 24, 2007

No. 9750

## LOT 10-A BLOCK 3, TRACT A, UNIT B NORTH ALBUQUEROUE ACRES

(BEING A REPLAT OF LOTS 10 THRU 12 AND PORTION OF LOT 13 BLOCK 3, TRACT A, UNIT B, NORTH ALBUQUERQUE ACRES TOGETHER WITH A SOUTHERLY PORTION OF PASADENA AVENUE N.E.

SITUATE WITHIN

THE ELENA GALLEGOS GRANT

PROJECTED SECTION 12, TOWNSHIP 11 NORTH, RANGE 3 EAST NEW MEXICO PRINCIPAL MERIDIAN CITY OF ALBUQUERQUE BERNALILLO COUNTY, NEW MEXICO

APRIL , 2007

100 5498 PROJECT NUMBER:

Application Number: 07 DEB . 7000

#### PLAT APPROVAL

Utility Approvals:

Department of Municipal Development NIA

Real Property Division NA 6-5-07 Environmental Health Department

Franschritation Division

)Cro.o. ition Department

5/30/07

5-30-0

5-30-67

6-5-07 MANN Anna. Chairperson, Planning Departmen

SHEET 1 OF 3

SURV TEK, INC.

Consulting Surveyors

Phone: 505-897-3366

## LOT 10-A BLOCK 3, TRACT A, UNIT B NORTH ALBUQUERQUE ACRES

(BEING A REPLAT OF LOTS 10 THRU 12 AND PORTION OF LOT 13 BLOCK 3, TRACT A, UNIT B, NORTH ALBUQUERQUE ACRES TOGETHER WITH A SOUTHERLY PORTION OF PASADENA AVENUE N.E.

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APRIL , 2007

#### LEGAL DESCRIPTION

That certain parcel of land situate within the Elena Gallegos Grant in projected Section 12, Township 11 North, Range 3 East, New Mexico Principal Meridian, Bernalillo County, New Mexico comprising All of Lots Numbered Ten (10), Eleven (11), Twelve (12) and a portion of Lot Numbered Thirteen (13) in Block Numbered Three (3), Tract A, Unit B, North Albuquerque Acres as the same are shown and designated on the plat entitled "TRACT A-UNIT B, NORTH ALBUQUERQUE ACRES, ALBUQUERQUE—BERNALILLO COUNTY, NEW MEXICO", filed in the office of the County Clerk of Bernalillo County, New Mexico, on April 24, 1936, in Volume D, Folio 130; Together with a Southerly portion of Pasadena Avenue N.E. more particularly described by survey performed by Russ P. Hugg, New Mexico Professional Surveyor Number 9750 using New Mexico State Plane Coordinate System, Central Zone (NAD 27) grid bearings and ground distances as follows:

Beginning at the Southeast corner of the parcel herein described (a survey marker stamped "L.S. 14271" found in place)said point being the Southeast corner of said Lot 12 and a point on the Westerly line of Tract A-1, Block 3, Tract A, Unit B, North Albuquerque Acres as the same is shown and designated on the plat thereof filed in the office of the County Clerk of Bernalillo County, New Mexico, on March 16, 1983 in Volume C21, Folio 4 whence the Albuquerque Control Survey Monument "I-25-11" bears S 24° 24' 28" E, 841.09 feet distant: Thence.

- N 89° 41' 23" W , 164.94 feet along a line common to Lots 12 and 21, Block 3, Tract A, Unit B, North Albuquerque Acres to the Southwest corner of said Lot 12 (a survey marker stamped "L.S. 14271" found in place) said point also being the Southeast corner of said Lot 11; Thence,
- N 89° 17' 38" W., 164.71 feet along a line common to Lots 11 and 22, Block 3, Tract A, Unit B, North Albuquerque Acres to the Southwest corner of said Lot 11 (a 1/2" rebar and cap stamped "L.S. 6446" found in place)said point also being the Southeast corner of said Lot 10;
- N 89° 32' 36" W , 163.28 feet along a line common to Lots 10 and 23, Block 3, Tract A, Unit B, North Albuquerque Acres to the Southwest corner of said Lot 10 (a 5/8" Rebar and cap stamped "L.S. 7719" found in place)said point also being the Southeast corner of Lot 9; Thence,
- N 00° 12' 56" W , 233.27 feet along a line common to Lots 9 and 10, Block 3, Tract A, Unit B, North Albuquerque Acres to the Northwest corner of said Lot 10 (a 5/8" Rebar and cap stamped "L.S. 9750" set)said point also being the Northeast corner of Lot 9 and a point on the Southerly line of Pasadena Avenue N.E.;
- N 00° 04' 36" E , 30.00 feet to a point; Thence,
- S 89° 49' 40" E , 165.25 feet to a point; Thence,
- S 89° 30′ 30" E , 495.07 feet to a point; Thence,
- S 00° 29′ 30" W , 30.00 feet to the Northwest corner of said Tract A-1 and a point on said Southerly line of Pasadena Avenue N.E. (a 5/8" Rebar and cap stamped "L.S. 9750" set); Thence,
- S 35' 32' 42" W , 286.06 feet along said Westerly line of Tract A-1 to the Southeast corner and point of beginning of the parcel herein described.

Said Lots contain 3.5538 acres total, more or less.



#### FREE CONSENT AND DEDICATION

SURVEYED and REPLATTED and now comprising LOT 10—A, BLOCK 3, TRACT
A, UNIT B, NORTH ALBUQUERQUE ACRES (BEING A REPLAT OF LOTS 10 THRU
12 AND A PORTION OF LOT 13, BLOCK 3, TRACT A, UNIT B, NORTH
ALBUQUERQUE ACRES TOGETHER WITH A SOUTHERLY PORTION OF PASADENA AVENUE N.E.) CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, is with the free consent of and in accordance with the wishes and desires of the undersigned owner(s) and proprietor(s) thereof. Said owner(s) and proprietor(s) do hereby consent to the elimination of tract lines as shown hereon. Said owner(s) and proprietor(s) do hereby dedicate the public street right of way for Pasadena Avenue N.E. as shown hereon to the City of Albuquerque in fee simple by this plat. Said owner(s) and proprietor(s) do hereby warrant that they hold among them, complete and indefeasible title in fee simple to the land subdivided. Said owner(s) and proprietors do hereby consent to all of the foregoing and do hereby certify that they are so authorized to act.

ACKNOWLEDGMENT

STATE OF NEW MEXICO

COUNTY OF BERNALILLO

This instrument was acknowledged before me on this 19 20 day member of Mart-Nair Investment, LLC.

My Commission expires:

OFFICIAL SEAL Robert K. Archuleta NOTARY PUBLIC STATE OF NEW MEXICO



SHEET 2 OF 3

