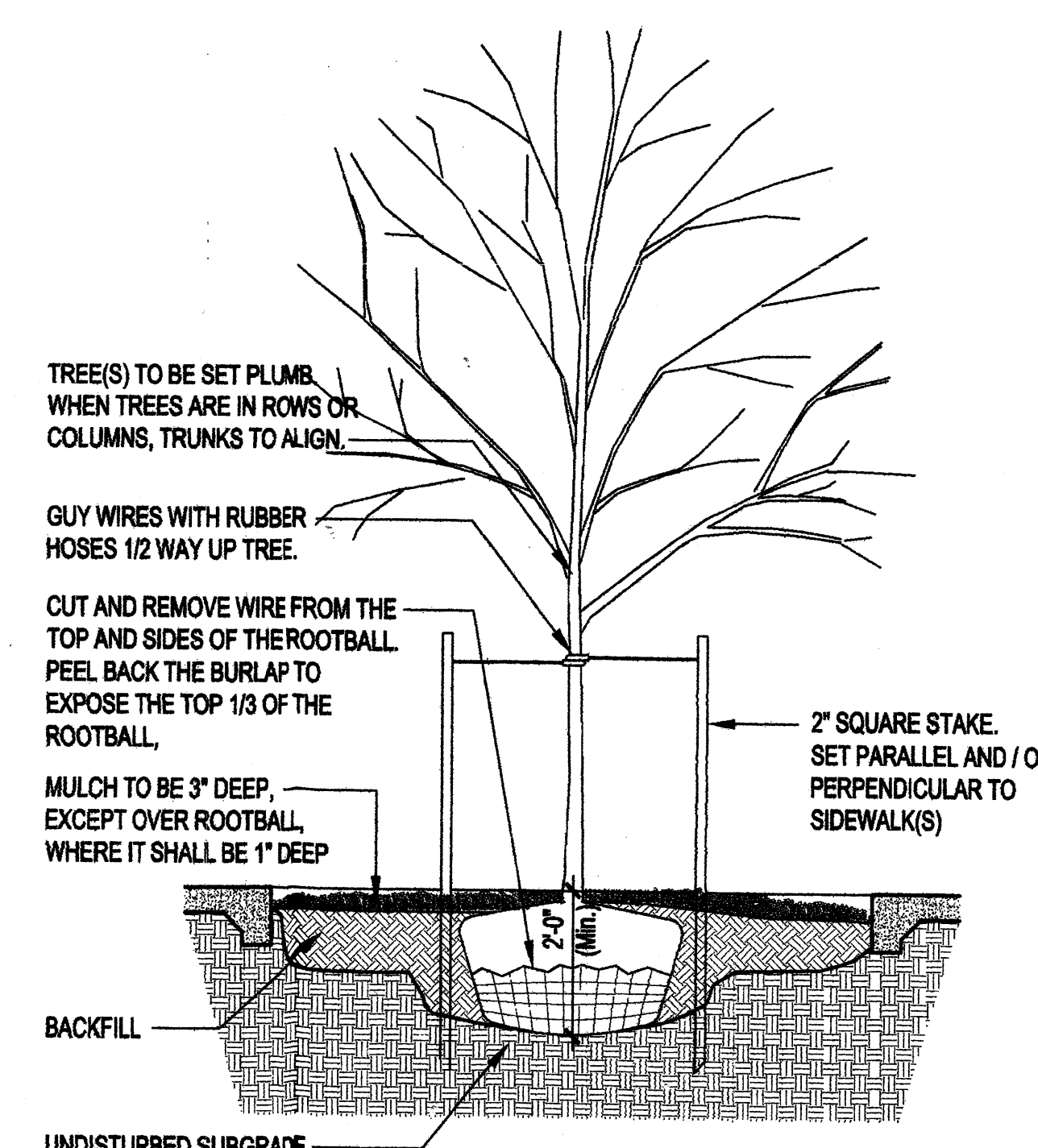


LANDSCAPING NOTES

1. All plant material shall conform to the sizes given in the list and shall be nursery grown in accordance with the "American Standard for Nursery Stock" Latest edition.
2. All planting shall be in accordance with standard American Nurserymen procedures and specifications.
3. All plant material is subject to final approval by the architect. Obtain approval from the architect before making any substitutions or changes.
4. Location and orientation of all trees to be approved by architect before planting. Contractor to obtain approval by staking locations for inspection by the architect prior to excavation.
5. Contractor shall verify the location of all underground utilities in the field, prior to any excavation for plantings or irrigation.
6. Backfill Mix for trees: Backfill mix by volume shall consist of 25% amendment, and 75% backfill for trees. For shrubs: 50% amendment and 50% backfill. Native soil shall be cleared of all stone debris 1" diameter or bigger. All other deleterious materials shall be removed.
7. Soil amendment shall consist of composted cotton burs that have been freeze defoliated as specified "Back to Earth Resources" (214) 373-6776, or approved equal.
8. Stone mulch to be installed where indicated on drawings. Mulch shall consist of 1/2"-1-1/2" diameter crushed rock (or approved equal) to a depth of 3" except around plant trunk where depth shall be 1" Submit sample for approval by architect.
9. Fertilizer: Fertilizer shall be "Gro Power" 7 gram planting tablets. Provide 6 tablets per 5 gallon shrubs, 2 tablets per 1 gallon containers, 18 tablets per tree of 2" caliper and 24 tablets per tree of 2-1/2" caliper or larger.



2 TYPICAL PLANTING DETAIL

GARRETT SMITH LTD DESIGN, ARCHITECTURE & DEVELOPMENT		514 CENTRAL SW ALBUQUERQUE NEW MEXICO 8 7 1 0 2 505/766-6968 FAX/243-4508	
CITY OF ALBUQUERQUE PARKS AND RECREATION DEPARTMENT			
TITLE: ALAMEDA LITTLE LEAGUE FACILITY SITE PLAN			
Design Review Committee		City Engineer Approval	
City Project No. 721205		Zone Map No. C-16-Z	
Sheet 5		Of 26	

1 SITE PLAN

SCALE: 1"=20'-0"

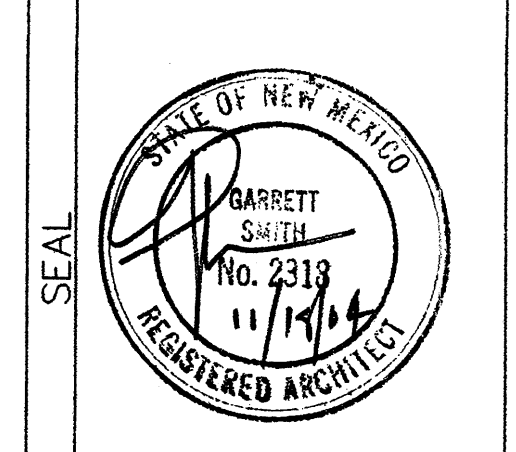
RECEIVED
SEP 21 2007
HYDROLOGY SECTION

TRAFFIC CIRCULATION LAYOUT
APPROVED
01/27/04

ALBUQUERQUE
BUILDING & SAFETY
DEC 23 2004
18C
PLAN CHECK SECTION

AS BUILT INFORMATION	
CONTRACTOR	DATE:
WORK STAKED BY	DATE:
INSPECTOR'S APPROVAL	DATE:
FIELD VERIFICATION BY	DATE:
DRAWING CORRECTED BY	DATE:
MICRO-FILM INFORMATION	DATE:
RECORDED BY	NO.

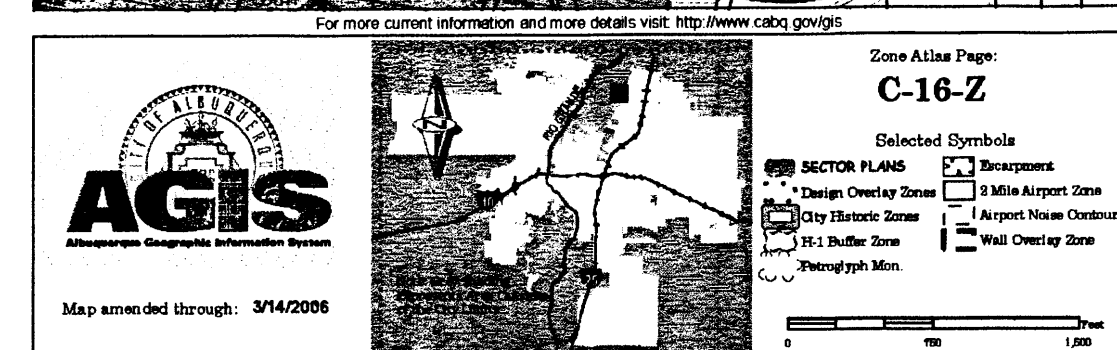
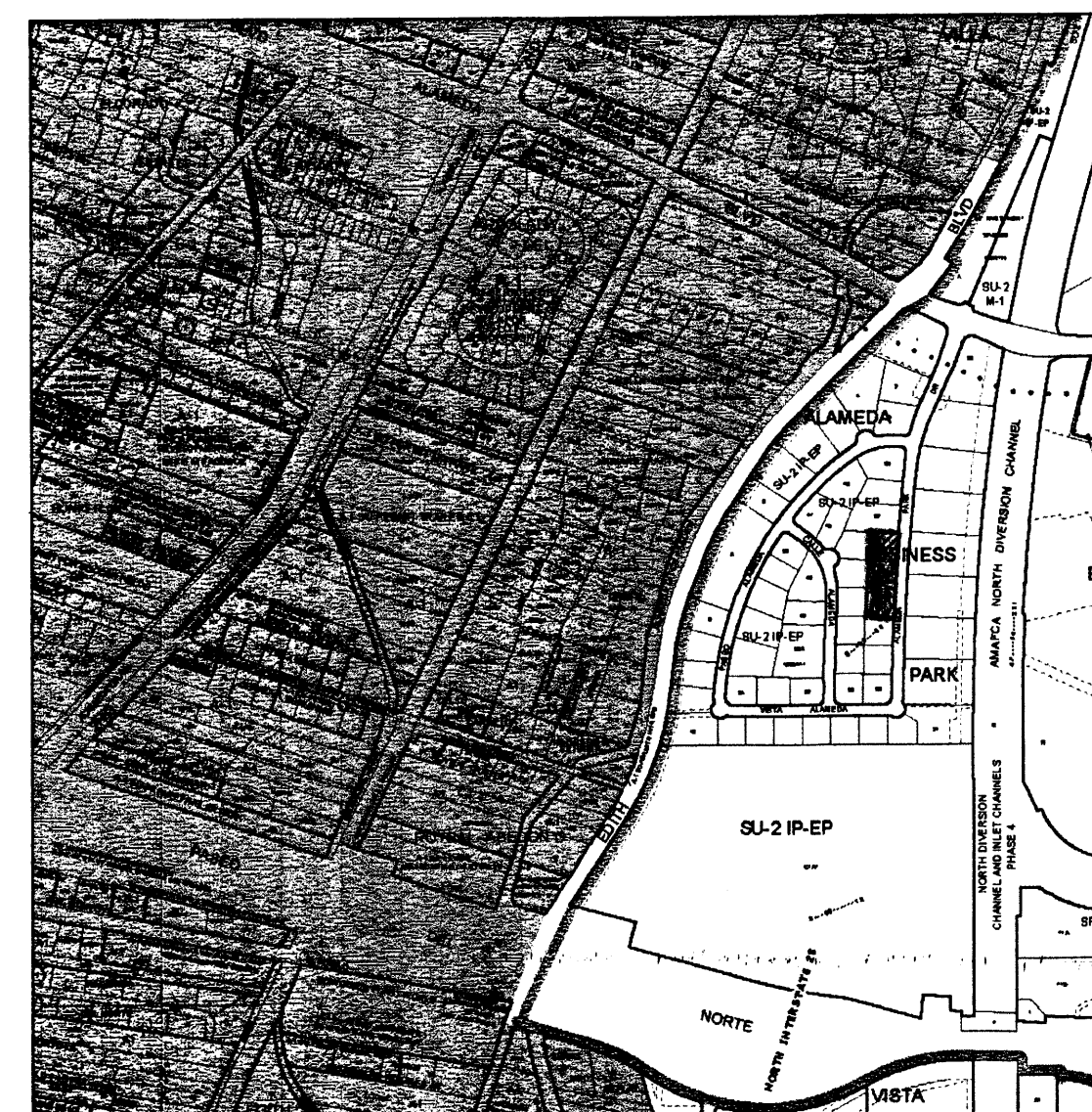
BENCHMARK	
NO.	DATE



SURVEY INFORMATION	
FIELD NOTES	DATE
NO.	BY

SEAL	
NO.	DATE

VICINITY MAP



FEMA MAP (350002 0136F)

ON-SITE HYDROLOGY

THE TABLE BELOW SHOWS THE FULLY DEVELOPED CONDITIONS OF THE SITE. PROPOSED CONSTRUCTION ACTIVITY WILL PLACE MILLINGS REMOVED FROM LOT 27 ACROSS ENTIRE SITE TO A THICKNESS OF APPROXIMATELY 4 INCHES, COMPACTED TO 90%.

DRAINAGE DATA

THIS SITE LIES WITHIN PRECIPITATION ZONE 3

Condition	Storm Return Period, Table 4 (Years)	Treatment Type	Treatment Area (sq. ft.)	Excess Precip. Table A-8 (in.)	Peak Runoff Table A-9 (cfs/ac)	Runoff Volume (cu. ft.)	Runoff Rate (cfs)
EXISTING	100	A	0	0.66	1.87	0.0	0.00
		B	65,146	0.92	2.60	4,994.5	3.89
		C	0	1.29	3.45	0.0	0.00
		D	1,796	2.36	5.02	353.2	0.21
EXISTING	10	A	0	0.19	0.58	0.0	0.00
		B	65,146	0.36	1.19	1,954.4	1.78
		C	0	0.62	2.00	0.0	0.00
		D	1,796	1.50	3.39	224.5	0.14
DEVELOPED	100	A	0	0.66	1.87	0.0	0.00
		B	0	0.92	2.60	0.0	0.00
		C	65,146	1.29	3.45	7,003.2	5.16
		D	1,796	2.36	5.02	353.2	0.21
DEVELOPED	10	A	0	0.19	0.58	0.0	0.00
		B	0	0.36	1.19	0.0	0.00
		C	65,146	0.62	2.00	3,365.9	2.99
		D	1,796	1.50	3.39	224.5	0.14
TOTAL (EXT)	100					5,347.7	4.1
	10					2,178.9	1.9
TOTAL (DEV)	100					7,356.4	5.4
	10					3,590.4	3.1

OFFSITE FLOW INFORMATION/DRAINAGE CONCEPT

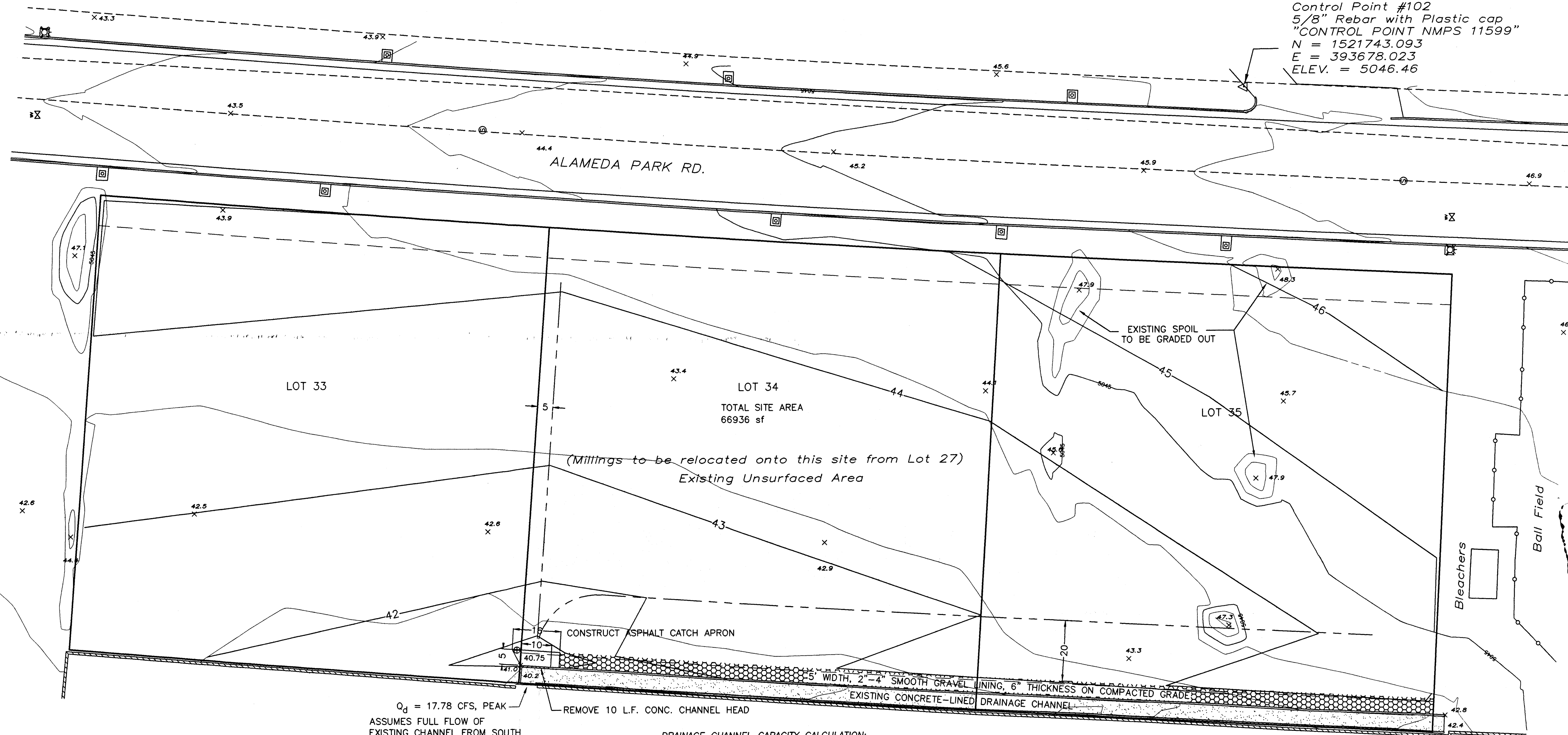
OFFSITE FLOWS FOR THE SITE NONE. UNCHANNELIZED. A CONCRETE-LINED CHANNEL FOLLOWING THE WEST LINE OF SUBJECT SITE CONVEYS FLOWS FROM A DEVELOPED PLAYING FIELD LYING TO THE SOUTH.

ALL DEVELOPED FLOWS GENERATED BY THIS SITE WILL BE ROUTED TO THE NORTH END OF THE EXISTING CONCRETE CHANNEL AND BE DISCHARGED ONTO AN EXISTING PARKING LOT ADJOINING ON THE WEST. NO RETENTION OR DETENTION FACILITIES ARE PROPOSED.

LEGAL DESCRIPTION AND FLOOD ZONE

Lots numbered Twenty-seven (27), Thirty-three (33), Thirty-four (34), and Thirty-five (35) of ALAMEDA BUSINESS PARK, 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 June 29, 1999, in Plat Book 99C, page 167.

The above described property is located within Zone "X" (No flood hazard)", Community Panel No. 350002 0136 F, dated November 19, 2003, and is not located within a Special Flood Hazard Boundary indicated by FEMA Flood Insurance Rate Maps. Determination of Flood Hazard is by graphic plotting only.



NOTICE TO CONTRACTOR

PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN ARE TO FINISH SURFACES AND ARE PROVIDED FOR THE PURPOSE OF SHOWING FLOW ROUTING.

CONTRACTOR IS RESPONSIBLE FOR THE ABATEMENT OF SEDIMENT ONTO ADJOINING PUBLIC RIGHTS-OF-WAY DURING CONSTRUCTION AND FOR THE REMOVAL OF ANY SEDIMENT DEPOSITED IN PUBLIC RIGHT-OF-WAY.

CONTRACTOR SHALL OBTAIN A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO ANY GRADING OR CONSTRUCTION.

DRAINAGE CHANNEL CAPACITY CALCULATION:

USE MANNINGS EQUATION

$$Q = (1.49/n)(A)(Rh)^{2/3}(S)^{1/2}$$

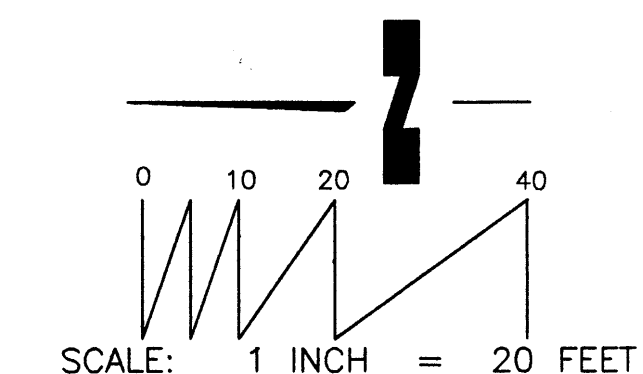
n = 0.013 FOR CONCRETE

$$Rh = A/P \text{ (RECTANGULAR CHANNEL, FULL FLOW CONDITIONS)} = 0.4167 \text{ FT.}$$

S = 0.006 FT/FT (AT LOWEST SLOPE)

$$A = 2.5 \text{ SQ.FT. (RECTANGULAR CHANNEL)}$$

$$Q(\text{CAPACITY}) = 12.38 \text{ CFS}$$



LEGEND:

- ⊙ EXISTING SANITARY MANHOLE
- ⊕ EXISTING FIRE HYDRANT
- ⊕ EXISTING WATER METER
- ⊕ EXISTING WATER VALVE
- ⊕ EXISTING IRRIGATION CONTROL VALVE
- ⊕ EXISTING TELEPHONE PEDESTAL
- ⊕ EXISTING CABLE TV PEDESTAL
- ⊕ EXISTING VENT PIPE
- ⊕ EXISTING SPOT ELEVATION
- ⊕ PROPOSED SPOT ELEVATION
- 5045 — EXISTING CONTOUR LINE (MAJOR)
- — — EXISTING CONTOUR LINE (MINOR)
- 46 — NEW CONTOUR LINE (1 FT. INTERVAL)
- — — CONTRIBUTORY BOUNDARY
- — — EXISTING CHAIN LINK FENCE

I, THOMAS JOHNSTON, NEW MEXICO REGISTERED PROFESSIONAL ENGINEER NO. 17158, DO HEREBY CERTIFY THAT I INSPECTED THIS SITE ON DECEMBER 10, 2007, AND THAT, AS OF THAT DATE, THERE HAD BEEN NO RECENT ALTERATION OF GRADE OR EVIDENCE OF GRADING OPERATIONS ON THIS SITE.

THOMAS JOHNSTON, NMPE NO. 17158

1-14-08

BENCH MARK

Basis of elevations: ACS STATION "NDC-13-D16"

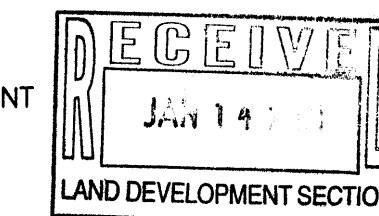
ELEV. 5073.47 (NAVD 1988)

TBM: 5/8" REBAR, CAPPED AND MARKED "CONTROL POINT

NMPS 11599" ON OPPOSITE SIDE OF STREET OF

SE'LY CORNER OF SITE

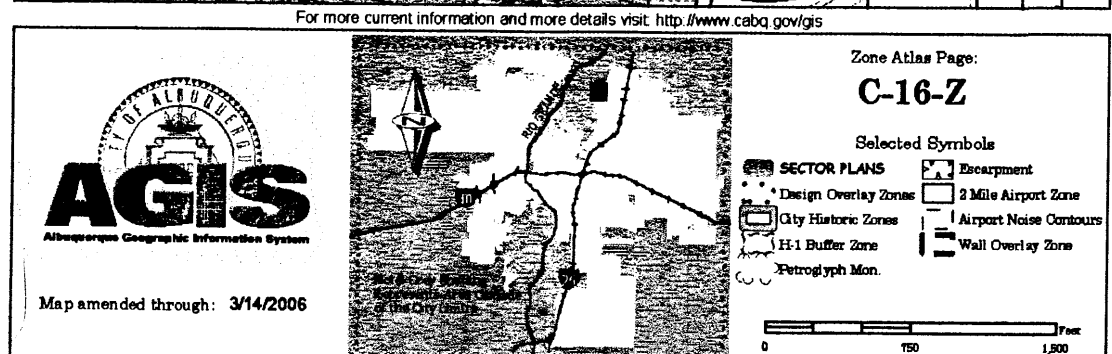
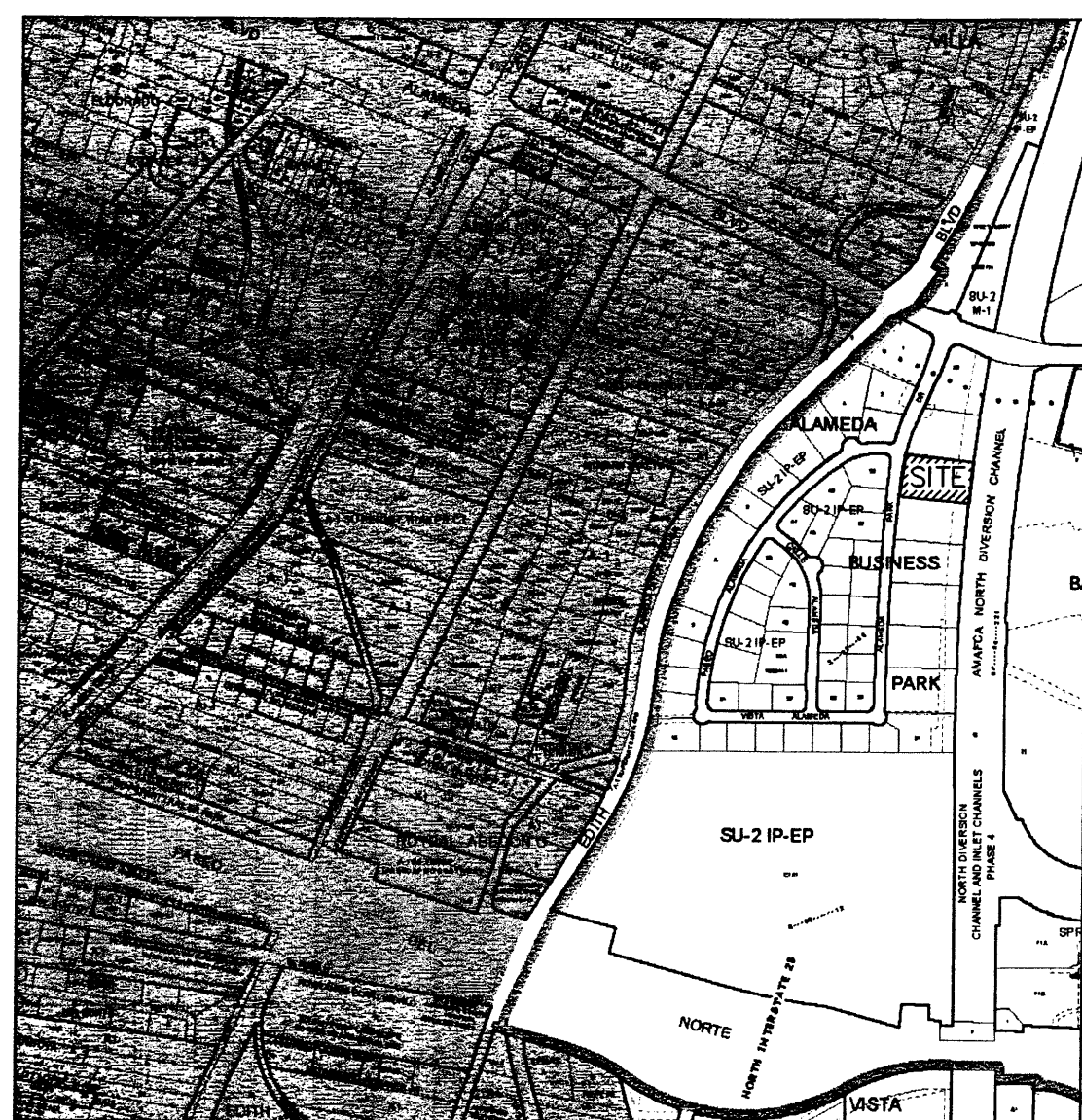
ELEV. 5046.46



DRAINAGE AND GRADING PLAN
ALAMEDA LITTLE LEAGUE FIELD AND PARKING LOT
LOTS 27, 33, 34 & 35, ALAMEDA BUSINESS PARK
FOR: CITY OF ALBUQUERQUE

TLC ENGINEERING INC. (505)266-7256
330 LOUISIANA BLVD. NE
ALBUQUERQUE, NM 87108
Fax: (505) 255-2887

VICINITY MAP



FEMA MAP (350002 0136F)

ONSITE HYDROLOGY

THE TABLE BELOW SHOWS THE FULLY DEVELOPED CONDITIONS OF THE SITE. PROPOSED CONSTRUCTION WILL REPLACE IMPERVIOUS PARKING AREA WITH OPEN GRADED AND SODDED PLAYING FIELD.

DRAINAGE DATA

THIS SITE LIES WITHIN PRECIPITATION ZONE 3

Condition	Storm Return Period, Table 4 (Years)	Treatment Type	Treatment Area (sq. ft.)	Excess Precip. Table A-8 (in.)	Peak Runoff Table A-9 (cfs/ac)	Runoff Volume (cu. ft.)	Runoff Rate (cfs)
EXISTING	100	A	0	0.66	1.87	0.0	0.00
		B	0	0.92	2.60	0.0	0.00
		C	18,800	1.29	3.45	2,021.0	1.49
		D	62,739	2.36	5.02	12,338.7	7.23
EXISTING	10	A	0	0.19	0.58	0.0	0.00
		B	0	0.36	1.19	0.0	0.00
		C	18,800	0.62	2.00	971.3	0.86
		D	62,739	1.50	3.39	7,842.4	4.88
DEVELOPED	100	A	0	0.66	1.87	0.0	0.00
		B	25,570	0.92	2.60	1,660.4	1.53
		C	42,808	1.29	3.45	4,601.9	3.39
		D	13,161	2.36	5.02	2,588.3	1.52
DEVELOPED	10	A	0	0.19	0.58	0.0	0.00
		B	25,570	0.36	1.19	767.1	0.70
		C	42,808	0.62	2.00	2,211.7	1.97
		D	13,161	1.50	3.39	1,645.1	1.02
TOTAL (EXT)	100					14,359.7	8.7
	10					8,813.7	5.7
TOTAL (DEV)	100					9,150.6	6.4
	10					4,624.0	3.7

OFFSITE FLOW INFORMATION/DRAINAGE CONCEPT

OFFSITE FLOWS FOR THE SITE. HISTORICALLY, OFFSITE FLOWS HAVE BEEN PASSED THROUGH SUBJECT PROPERTY. THE HYDROLOGY STUDY FOR THE SUBJECT PROPERTY SHALL ADDRESS ONLY THE DEVELOPED CONDITIONS OF THE SUBJECT PROPERTY AND MITIGATION OF FLOWS THEREOF. THERE IS NO EXISTING RETENTION OR DETENTION FACILITIES. NEW CONDITIONS WILL RESULT IN A DECREASE OF FLOWS RELEASED FROM SITE. ALL DEVELOPED FLOWS GENERATED BY THE SUBJECT PROPERTY WILL BE DIRECTED THROUGH EXISTING DRIVES VIA GRADED, LINED SWALES.

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1-14-08

DRAINAGE AND GRADING PLAN

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