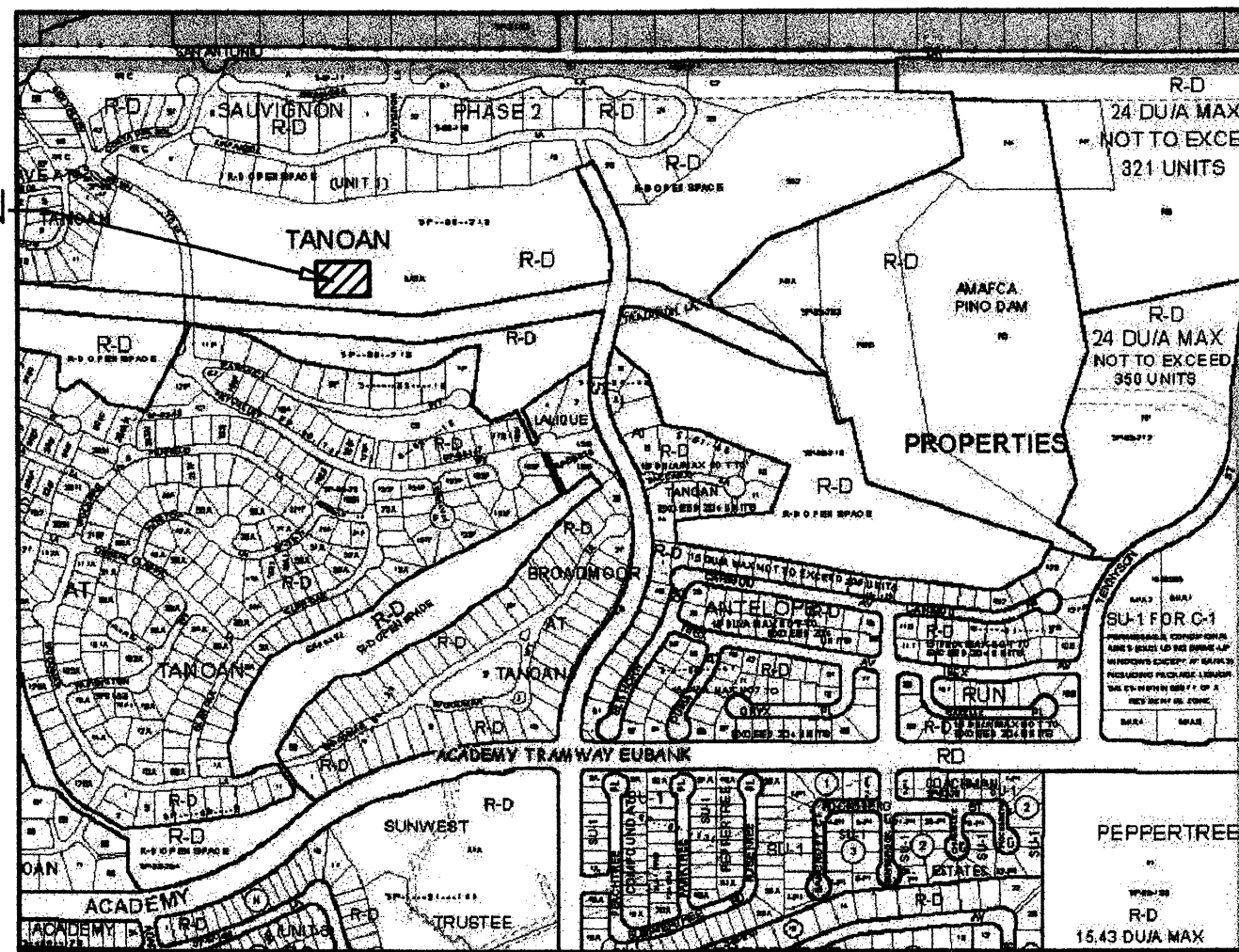


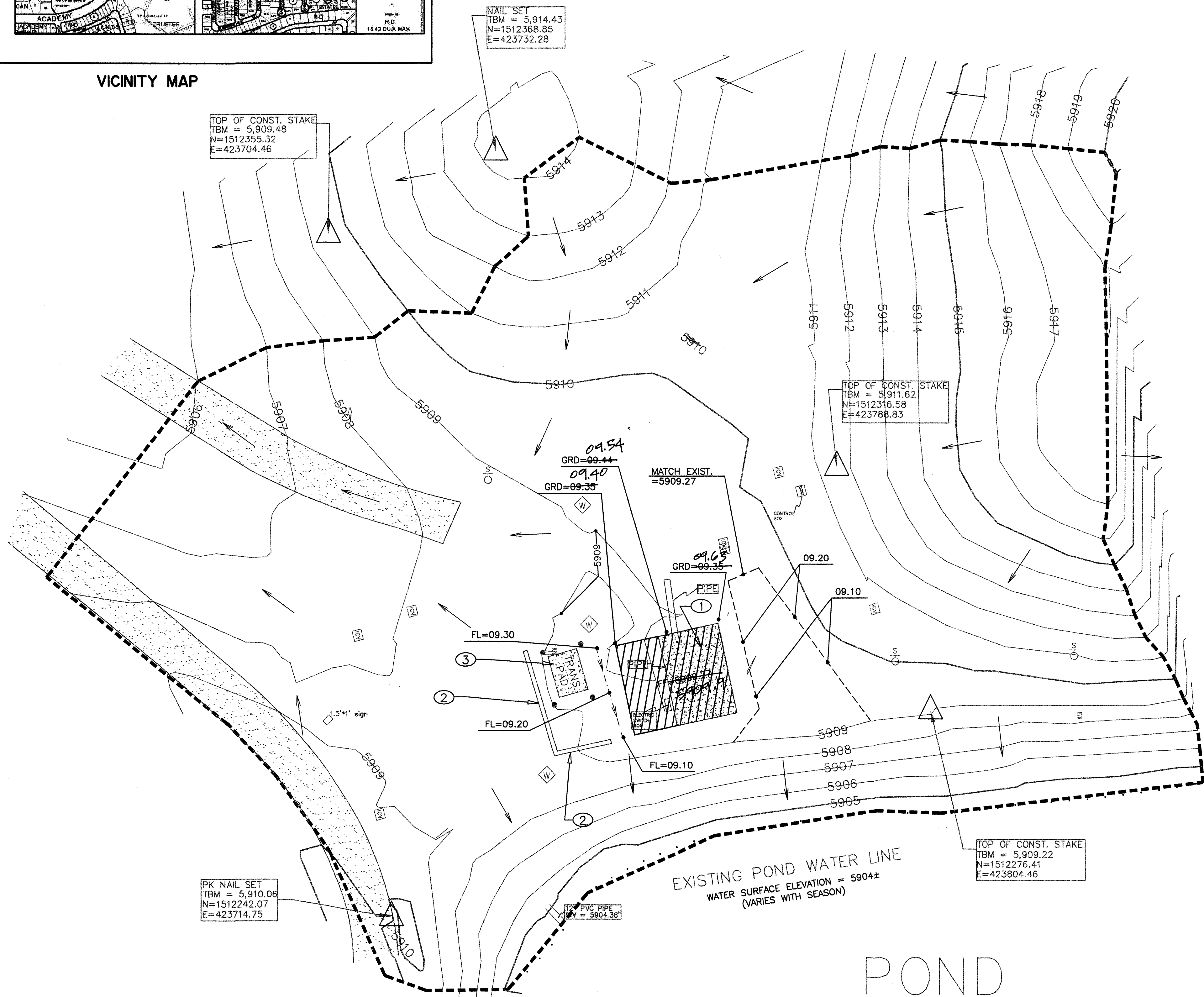
PROJECT
LOCATION



MAP NO. E-22



VICINITY MAP



LEGEND

- BASIN BOUNDARY
- 5097--- EXISTING CONTOUR
- 5097--- PROPOSED CONTOUR
- FL=80.00 PROPOSED SPOT ELEVATION
- ← FLOW ARROW
- ===== RETAINING WALL
- FL FLOWLINE
- TW TOP OF WALL
- GRD GROUND

GENERAL:

Smith Engineering Company (SEC) has been retained by Mountain West Golf Scapes to provide the grading plan for the construction of an enclosed pump station. The pump station will be constructed at the same location as the existing pump station. The proposed pump station site will include improvement of a retaining wall on the west and south side of the building. The site is located on the north east section of Tanoan Golf Course. Tanoan Golf Course is located off of Academy Road and Eubank Boulevard. The zone atlas map is E-22-Z.

HYDROLOGIC ANALYSIS:

The project area is located in the City of Albuquerque in Bernalillo County on the north east side of Albuquerque. The area consist of irrigated lawns. The COA Development process Manual (DPM) Section 22.2 was used to calculate the 100-Year, 6-Hour peak flows and runoff volumes for the project. The golf course limits are Eubank Boulevard to the west and Academy Road to the south. The site is in Precipitation Zone 4. Tables A-8, A-10 and A-11 were used to calculate the peak runoff and volume of runoff. The design storm was the 100-Year, 6-hour storm.

Existing conditions: The site is located at a golf course and owned by the Tanoan Golf Course Properties. The existing ground slopes from east to west with a portion of the flows directed into an existing pond. Any runoff flows over land and are infiltrated by existing grass and trees. The current land use is Type B. The peak flow generated from the site is 1.14 cfs and the volume of runoff is 0.04 acre-feet.

Proposed Conditions: The proposed conditions consist of a new enclosed pump building which will replace the existing pump station. The finish grade of the new pad will remain at the same elevation as the existing pad elevation. Flows to the north west of the building will be redirected to the west. Flows from the east of the building will be redirected to the south into the existing pond. The land use is listed in the table below. Areas around the pump station will remain as is which is currently grass. The peak flow and volume will remain the same as existing conditions with no increase.

ONSITE BASIN HYDROLOGY - EXISTING CONDITIONS						
BASIN	AREA (ACRES)	LAND USE AREA (ACRES)				EXISTING VOLUME 100-YR (AC-FT)
		A	B	C	D	
TOTAL SITE	0.39	0	0.39	0	0	0.04

ONSITE BASIN HYDROLOGY - DEVELOPED CONDITIONS						
BASIN	AREA (ACRES)	LAND USE AREA (ACRES)				DEVELOPED VOLUME 100-YR (AC-FT)
		A	B	C	D	
TOTAL	0.39	0	0.39	0	0	0.04

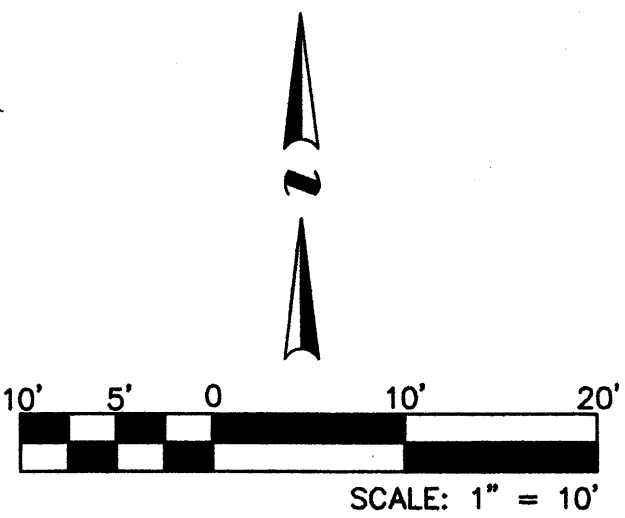
KEYED NOTES:

- NEW PUMP STATION BUILDING.
- EXISTING CMU WALL.
- EXISTING ELECTRICAL TRANSFORMER. FP=5909.65



I, GEORGE NEMETH, OF SMITH ENGINEERING COMPANY, NMPE #12284 STATE THAT, TO THE BEST OF MY KNOWLEDGE, THE AS-BUILT TOPOGRAPHIC CONDITIONS OF THE SITE ARE IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED GRADING AND DRAINAGE PLAN BASED ON AS-BUILT ELEVATIONS PROVIDED BY THE SURVEYOR. AS-BUILT ELEVATIONS ARE SHOWN ON THE PLAN WHERE ORIGINAL DESIGN ELEVATION HAS BEEN CROSSED OUT AND THE AS-BUILT ELEVATION ADDED.

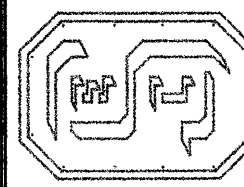
NAME: *George Nemeth*
DATE: 8-25-06



ALBUQUERQUE, NEW MEXICO

TANOAN GOLF COURSE
EAST PUMP STATION

Smith Engineering Company
A Full Service Engineering Company
Albuquerque, NM Roswell, NM



JOB NO:
106614
DATE:
4-26-06
SHEET NO:
1 of 1