95 AR
#12

*established 1959*

June 26, 1995

GANDY



Bob Sweeney
Environmental Specialist D
P.O. Box 26110
Santa Fe, NM 87502

Dear Bob:

Attached is a plan view and cross-sectional map of three additional drill holes that are proposed for the Gandy-Marley project. The purpose of these holes is to identify the presence of any down-dip water saturation in the Upper Dockum sediments. Also attached is a plan view map (Fig. 3-13) showing the location of these three holes with respect to projected saturation.

A second objective of this drilling is to properly define the contact of the Upper and Lower Dockum units east of the proposed landfill. The three drill holes will be drilled to a sufficient depth to delineate this contact. Lithologic changes observed in drill cuttings and down-hole gamma/neutron logging will be used to confirm this contact.

A third objective of this drilling will be to collect permeability data on the Lower Dockum unit. Two bottom-hole cores are planned to retrieve samples at this unit. Geotechnical analysis will be performed on these samples by the same laboratory that provided analyses on the Upper Dockum sediments.

Should you approve this auxiliary drilling program, drilling is scheduled for the week of July 24. We will keep you appraised of all project planning and would like to have you visit the site during these activities.

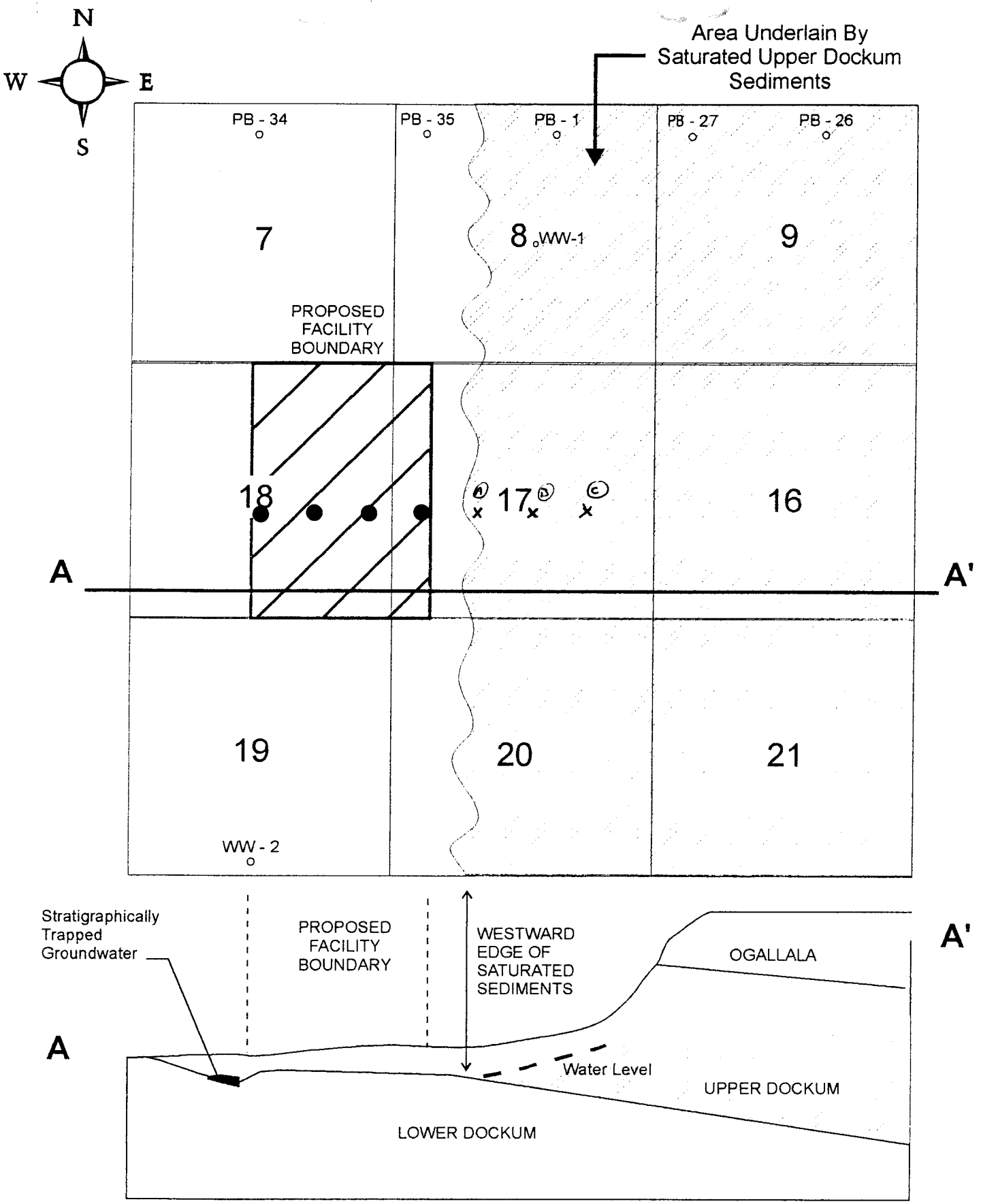
If I can provide you with any additional information, please contact me at (505) 255-6200. If this drilling proposal meets with your approval, please notify Larry Gandy in writing and we will finalize the planning for this work.

Sincerely,

James A. Bonner
Albuquerque Manager

TPDF
1995

**The S.M. Stoller Corporation** 1717 Louisiana Boulevard, N.E., Suite 209, Albuquerque, New Mexico 87110 (505) 255-6200 FAX (505) 255-1400



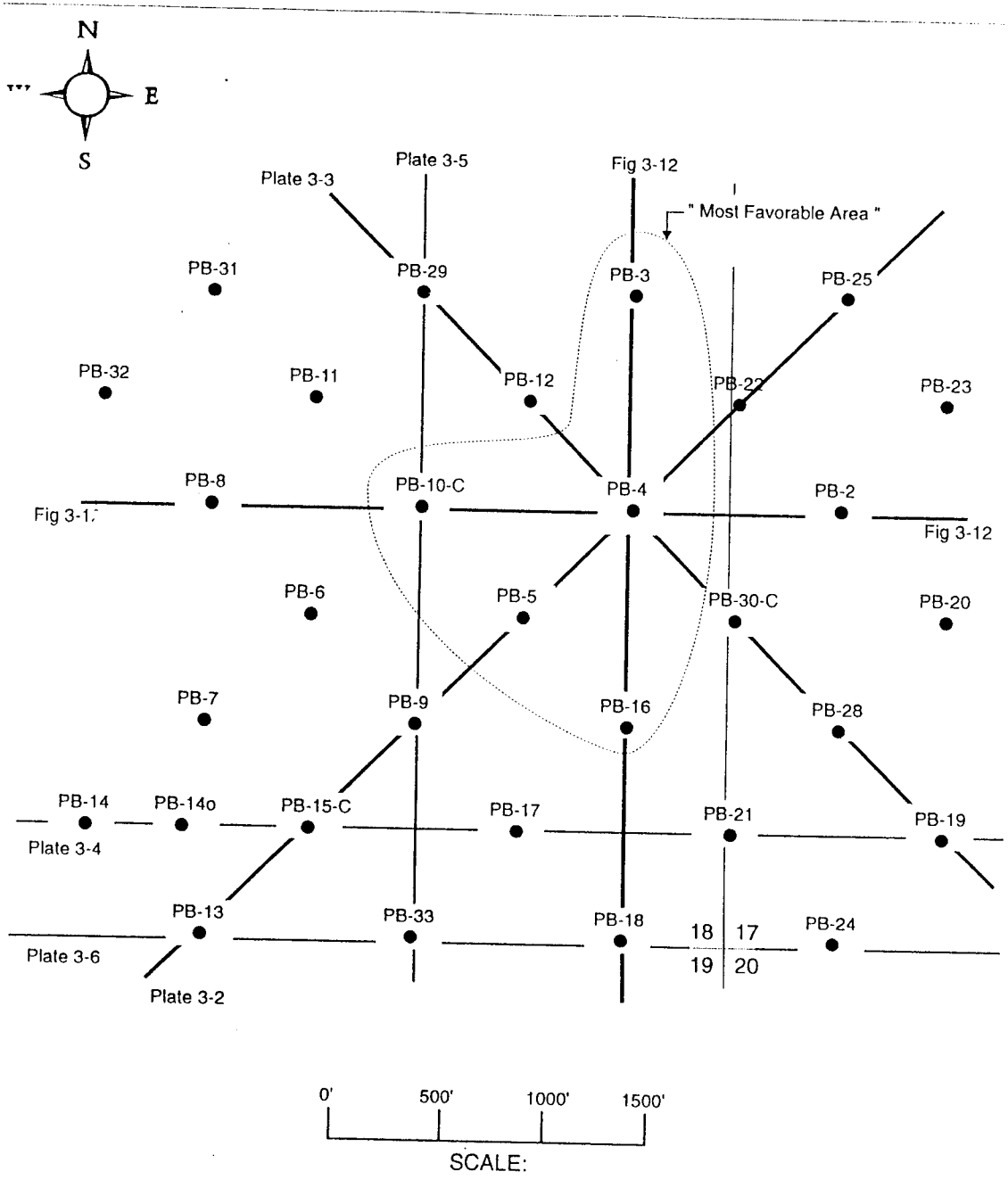

# UPPER DOCKUM GROUNDWATER

Figure 3-13

## SOUTH EAST NEW MEXICO

GANDY MARLEY PROJECT

ONE INCH ≈ 2680'




(A) (B) (C)

X X X

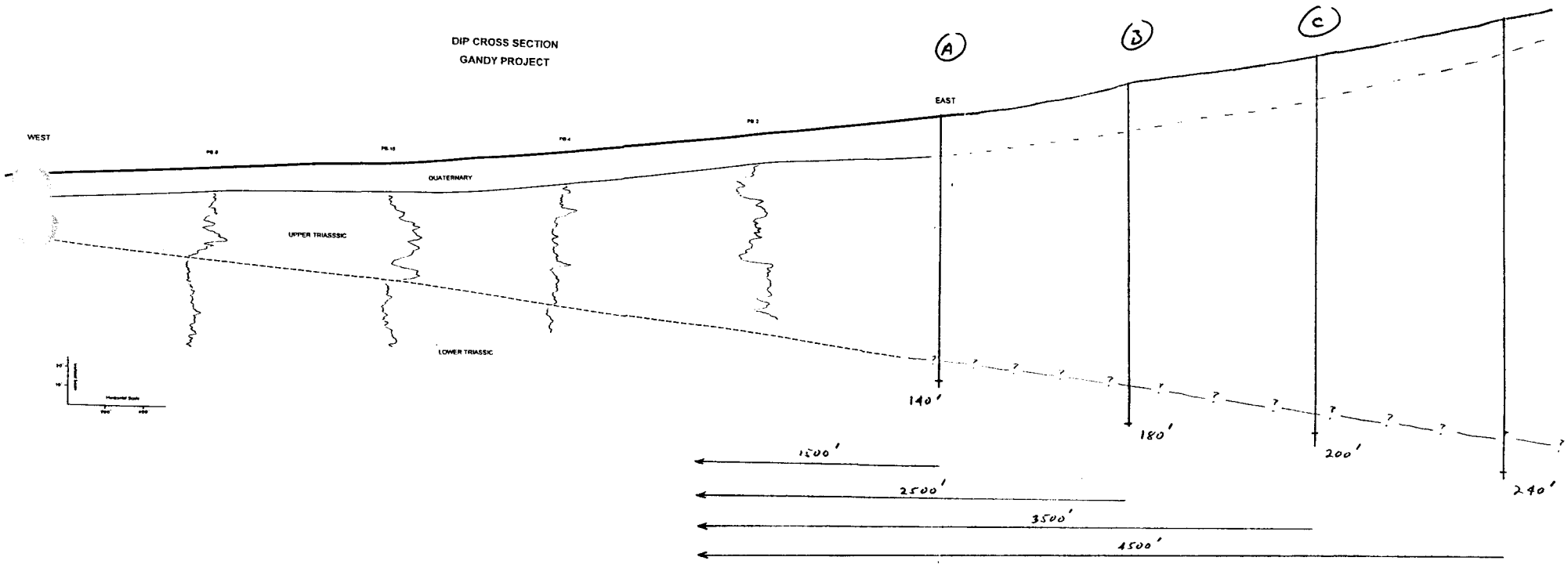
"C" denotes location of a corehole

# CLOSE-SPACED DRILLING PATTERN

Figure 3-11

SOUTH EAST NEW MEXICO

GANDY MARLEY PROJECT


DIP CROSS SECTION
GANDY PROJECT
WEST
EAST
A
B
C
QUATERNARY
UPPER TRIASSSIC
LOWER TRIASSIC
140'
180'
200'
240'
1500'
2500'
3500'
4500'