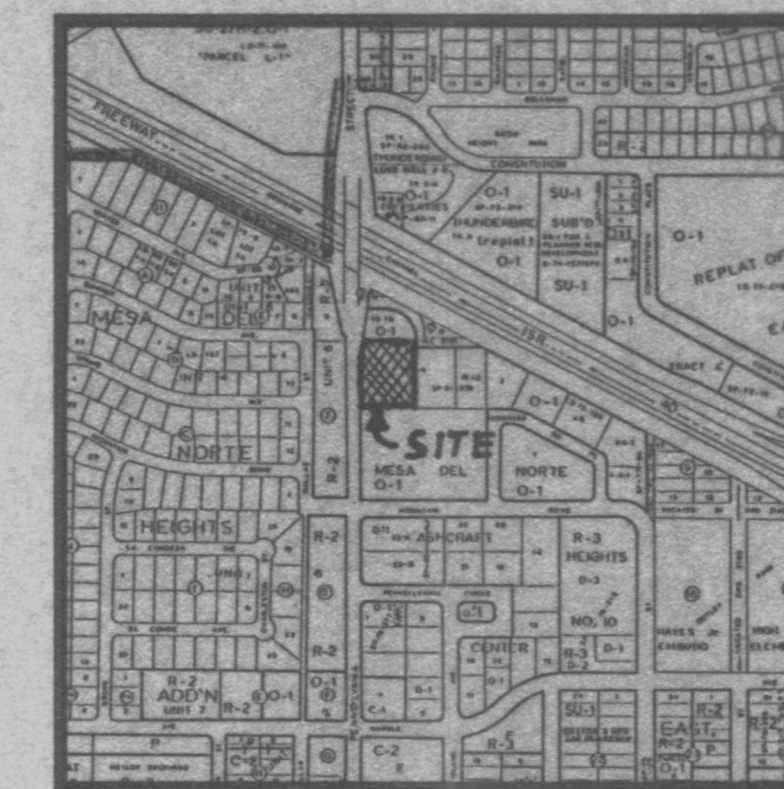


LEGAL DESCRIPTION:

TRACT 1-A, LANDS OF THE CHRISTUS VICTOR
 LUTHERAN CHURCH, BERNALILLO COUNTY,
 ALBUQUERQUE, NEW MEXICO



VICINITY MAP *W-19*

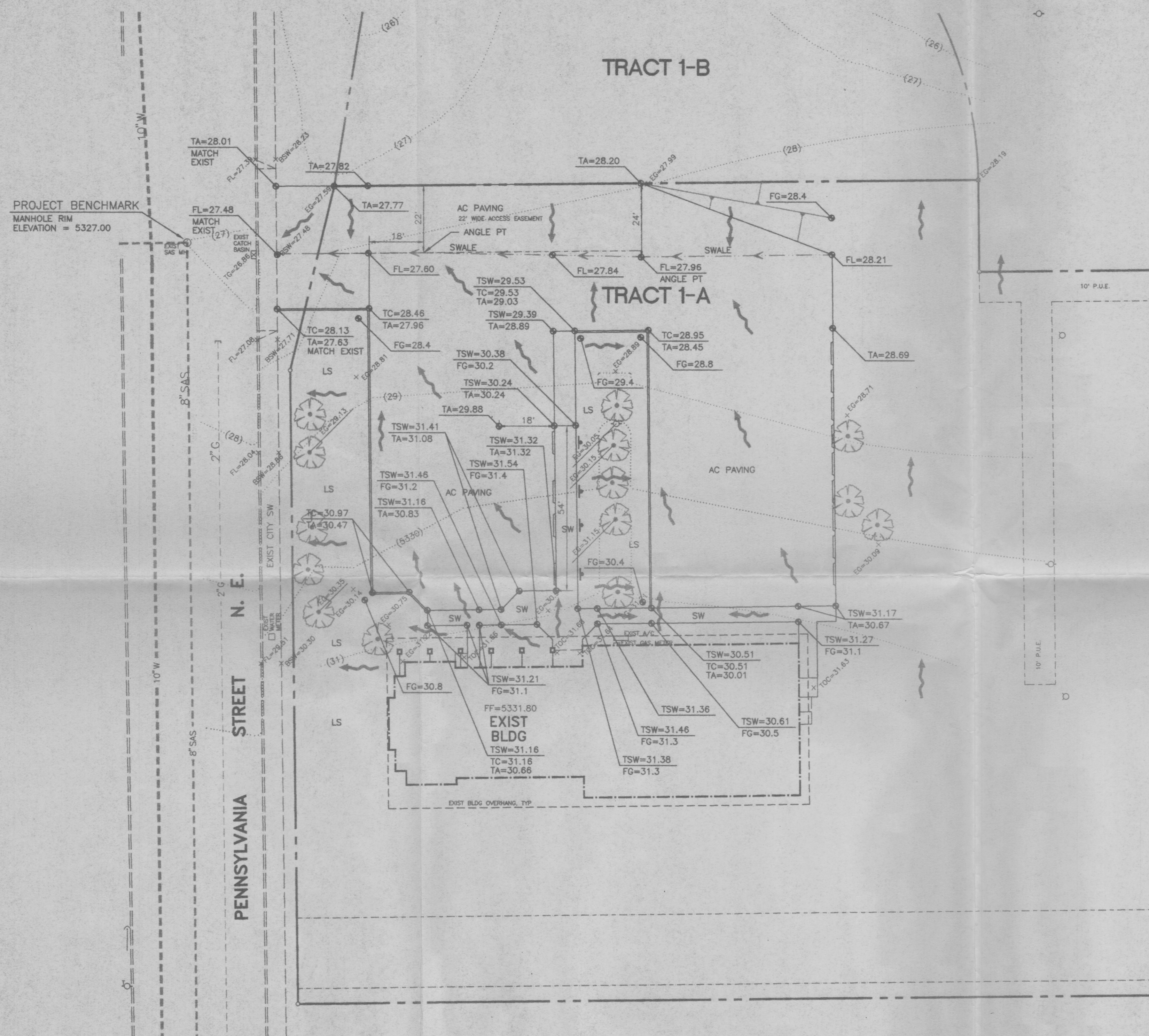
NO SCALE

DRAINAGE PLAN:

- 1) EXISTING CONDITIONS - The existing gravel parking area on the north side of the church building presently drains by sheet flow in a northerly direction across Tract 1-B and into the I-40 ROW drainage system. A small portion of the parking lot and the landscaping on Pennsylvania Street drain to the existing catch basin in the middle of the driveway. The catch basin's outlet pipe drains north to the I-40 ROW.
- 2) EXISTING HYDROLOGY - The total project construction area comprises 0.596 acres with 12.4% southwest landscaping and 87.6% gravel/dirt parking areas (all Treatment "C"). Per DPM Chapter 22.2, Table A-9, the peak 100 year storm discharge (Zone 3) is (0.596)(3.29)=1.96 cfs.
- 3) PROPOSED CONSTRUCTION - The parking areas north of the church will be paved with asphalt and the runoff will be directed to the catch basin in the driveway via a shallow swale which drains to the west thereby eliminating the discharge across Tract 1-B. This minor change in the drainage pattern does not affect any downstream drainage since all the runoff from this site, the catch basin and Tract 1-B ends up in the I-40 ROW just north of this area.
- 4) PROPOSED HYDROLOGY - After the installation of the asphalt parking areas, the landscaped areas will comprise 23.3% of the basin (Treatment "C") and the paved areas will comprise 76.7% of the basin (Treatment "D"). Per DPM Table A-9, the peak 100 year storm discharge will be (0.596)(0.233)(3.29)+0.767(5.01)=2.75 cfs. The net increase of less than one cfs over existing will not be significant in the I-40 ROW.

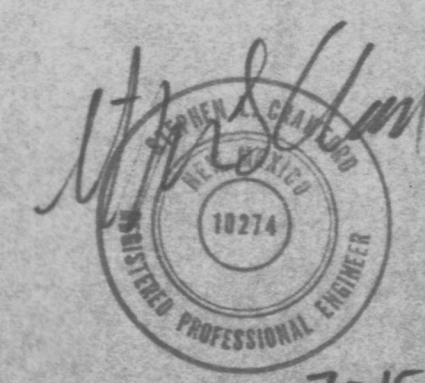
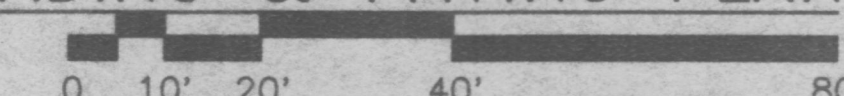
LEGEND:

SW	= SIDEWALK
LS	= LANDSCAPING
BSW	= BACK OF SIDEWALK
EG	= EXISTING GRADE
FG	= FINISH GRADE
FL	= FLOW LINE
TA	= TOP OF ASPHALT
TC	= TOP OF CURB
TG	= TOP OF GRATE
TSW	= TOP OF SIDEWALK
TC=30.00 FL=29.50	= NEW SPOT ELEVATION
+	= EXIST SPOT ELEVATION
(28)	= EXIST CONTOUR
O	= EXIST SAS MANHOLE
φ	= EXIST UTIL POLE
D	= EXIST FIRE HYDRANT
- - -	= EXIST EASEMENTS
⊗	= EXIST TREE
⊗	= NEW RESERVED PARKING SPACE SYMBOL
1	= NEW RESERVED PARKING SPACE SIGN



GRADING & PAVING PLAN

SCALE: 1" = 20'



7-15-93