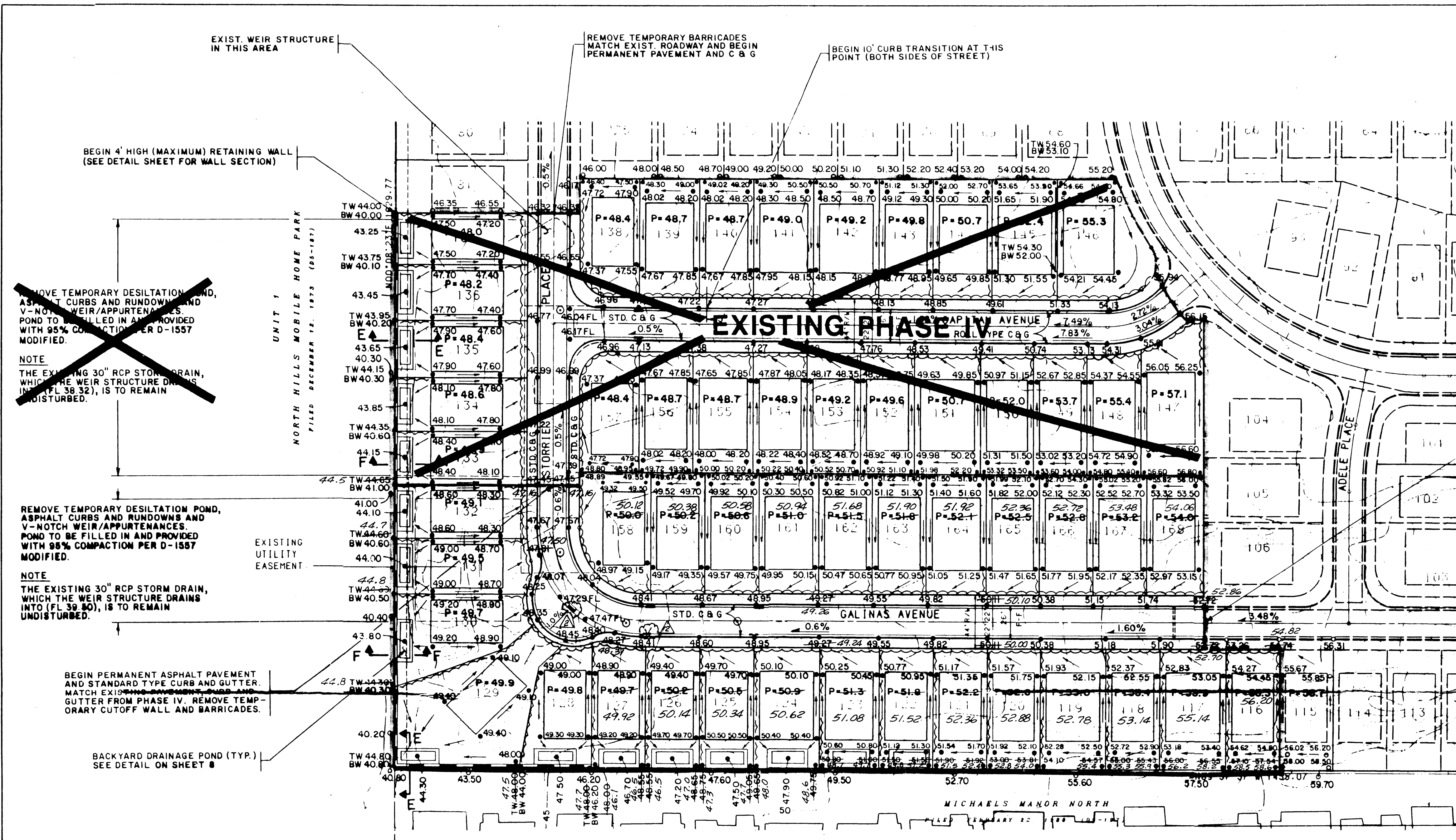




DRAINAGE CERTIFICATION

AS-BUILT ELEVATIONS ARE SHOWN ON THE PLAN IN LOCATIONS WHERE THE ORIGINAL DESIGN ELEVATION HAS BEEN CROSSED OUT AND THE NEW ELEVATION IS LISTED. ELEVATIONS WERE PROVIDED BY ALDRICH LAND SURVEYING.

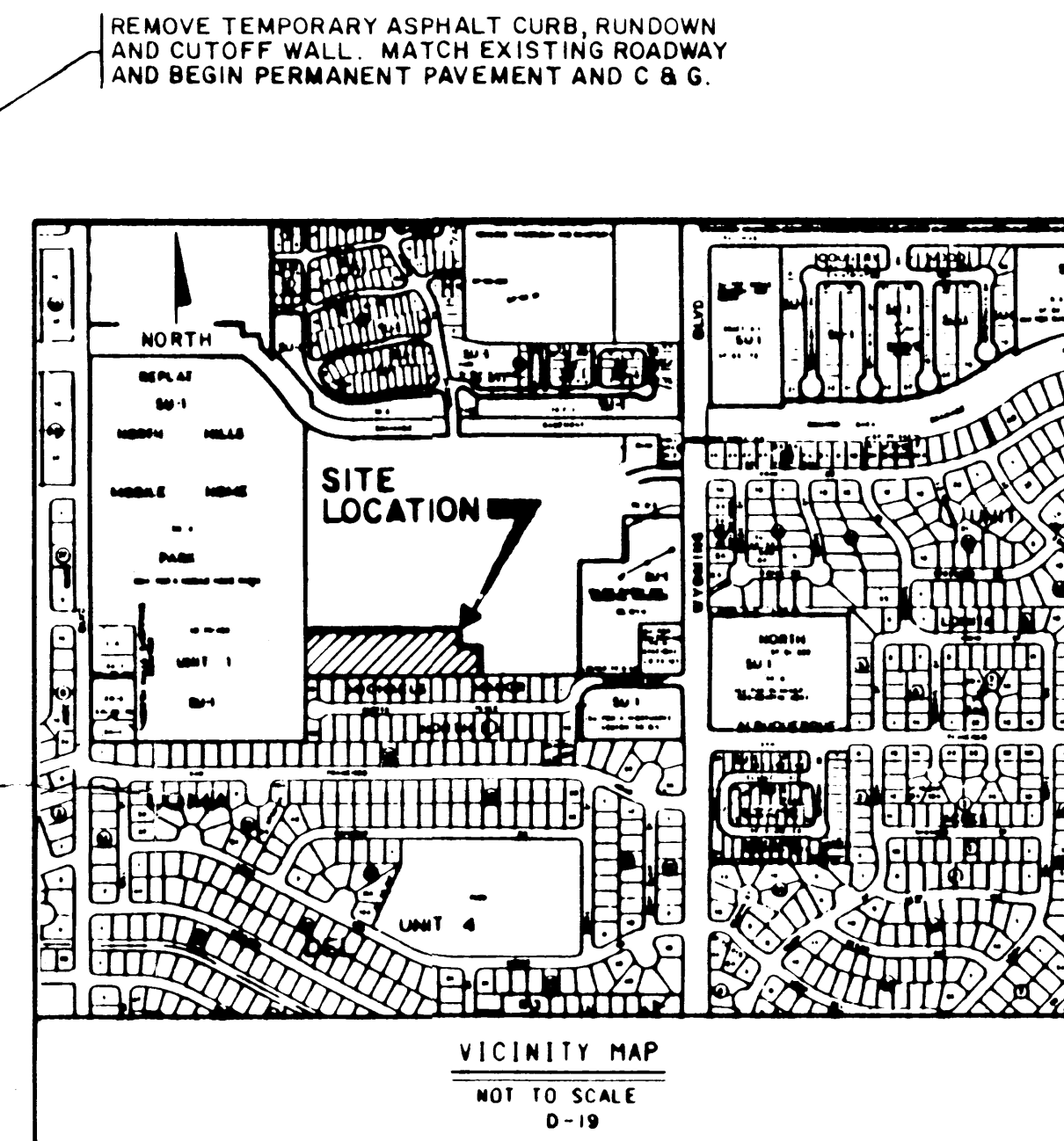
NOTES:

I, JAMES R. TOPMILLER, OF BOHANNAN-HUSTON, INC., A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE EXISTING AND PROPOSED DRAINAGE CONDITIONS OF THIS SITE ARE IN SUBSTANTIAL COMPLIANCE WITH PREVIOUSLY APPROVED PLANS TO THE BEST OF MY KNOWLEDGE AND BELIEF.

James R. Topmiller

JAMES R. TOPMILLER, P.E.
N.M.P.E. No. 9354
DATE: 9/27/94

NEW MEXICO
JAMES R. TOPMILLER
9354
REGISTERED PROFESSIONAL ENGINEER



NOTICE TO CONTRACTORS

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATIONS FOR THIS PERMIT.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1988, AS AMENDED WITH UPDATE #4.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATION SERVICE, 266-1990, FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- BACKFILL COMPACTION SHALL BE TO RESIDENTIAL STREET USE.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
- CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS TO REFER TO EARTHWORK SPECIFICATIONS AS NOTED IN THE SOILS REPORT PREPARED BY VINYARD AND ASSOCIATES DATED SEPTEMBER 28, 1992.
- THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AS PER DETAIL THIS SHEET AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
- ALL SLOPES MAXIMUM OF 4:1 UNLESS AS OTHERWISE INDICATED.
- ALL SPOT ELEVATIONS ALONG THE PROPOSED STREETS ARE TO TOP OF STANDARD OR MOUNTABLE ROLL TYPE CURB AND GUTTER (AS LABELED) UNLESS OTHERWISE NOTED.

DRAINAGE PLAN

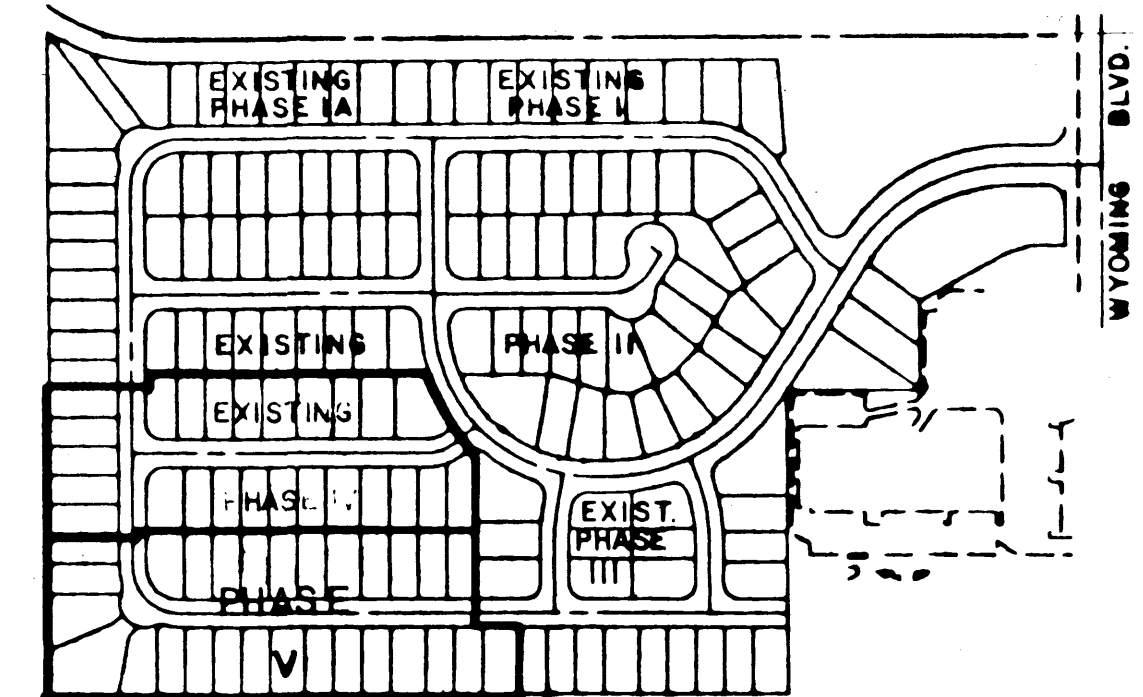
THIS PHASE DRAINAGE PLAN CONFORMS TO THE OVERALL DRAINAGE PLAN OF THE ENTIRE SITE (SEE PALOMAS PARK SUBDIVISION DRAINAGE REPORT ON JUNE 1992, #D19-D18).

THE WEST END TEMPORARY DESILTATION POND, RECONSTRUCTED AS A PART OF PHASE III, WILL BE RELOCATED SOUTH OF THE PHASE IV BOUNDARY LIMITS (SEE SHEET 1).

RUNOFF FROM THE CHURCH PROPERTY AND FROM THE SOUTHERN PORTION OF PHASE III WILL BE DIRECTED DOWN GALINAS AVENUE TO THE WEST AS PER PHASE III GRADING AND DRAINAGE. (SEE PHASE III GRADING AND DRAINAGE PLAN).

THE SIZE AND VOLUME OF THE RELOCATED DESILTATION POND REMAIN THE SAME FROM PHASE III TO THIS PHASE. REFER TO PHASE III FOR DRAINAGE CALCULATIONS.

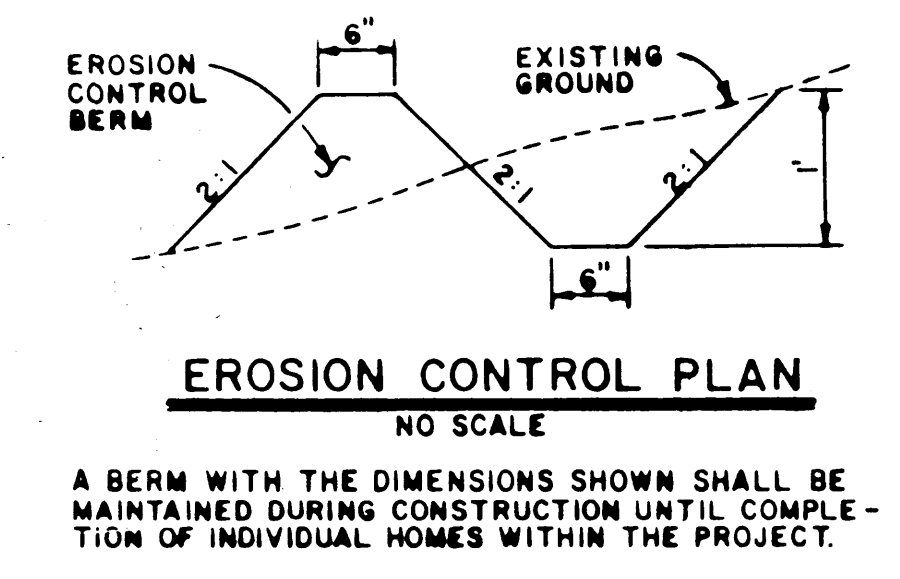
A DRAINAGE COVENANT IS PREPARED FOR THE RELOCATED DESILTATION POND. PHASE IV, A PUBLIC EASEMENT IS PLACED OVER THE DESILTATION POND.



KEY MAP
NO SCALE

APPROVED FOR ROUGH GRADING (± 1")

HYDROLOGY ENGINEER _____ DATE _____



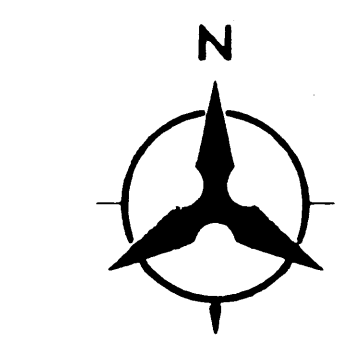
EROSION CONTROL PLAN
NO SCALE

LEGEND

- EROSION CONTROL BERM
- EXISTING GROUND ELEVATION
- PROPOSED GROUND ELEVATION
- DRAINAGE FLOW DIRECTION
- RETAINING WALL
- EXISTING CONTOUR
- PHASE BOUNDARY
- EXISTING STORM DRAIN INLET
- PROPOSED STORM DRAIN INLET
- EXISTING STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN MANHOLE

LEGAL DESCRIPTION

LOTS 116 TO 132, AND 158 TO 168 INCLUSIVE, PALOMAS PARK SUBDIVISION, PHASE V.

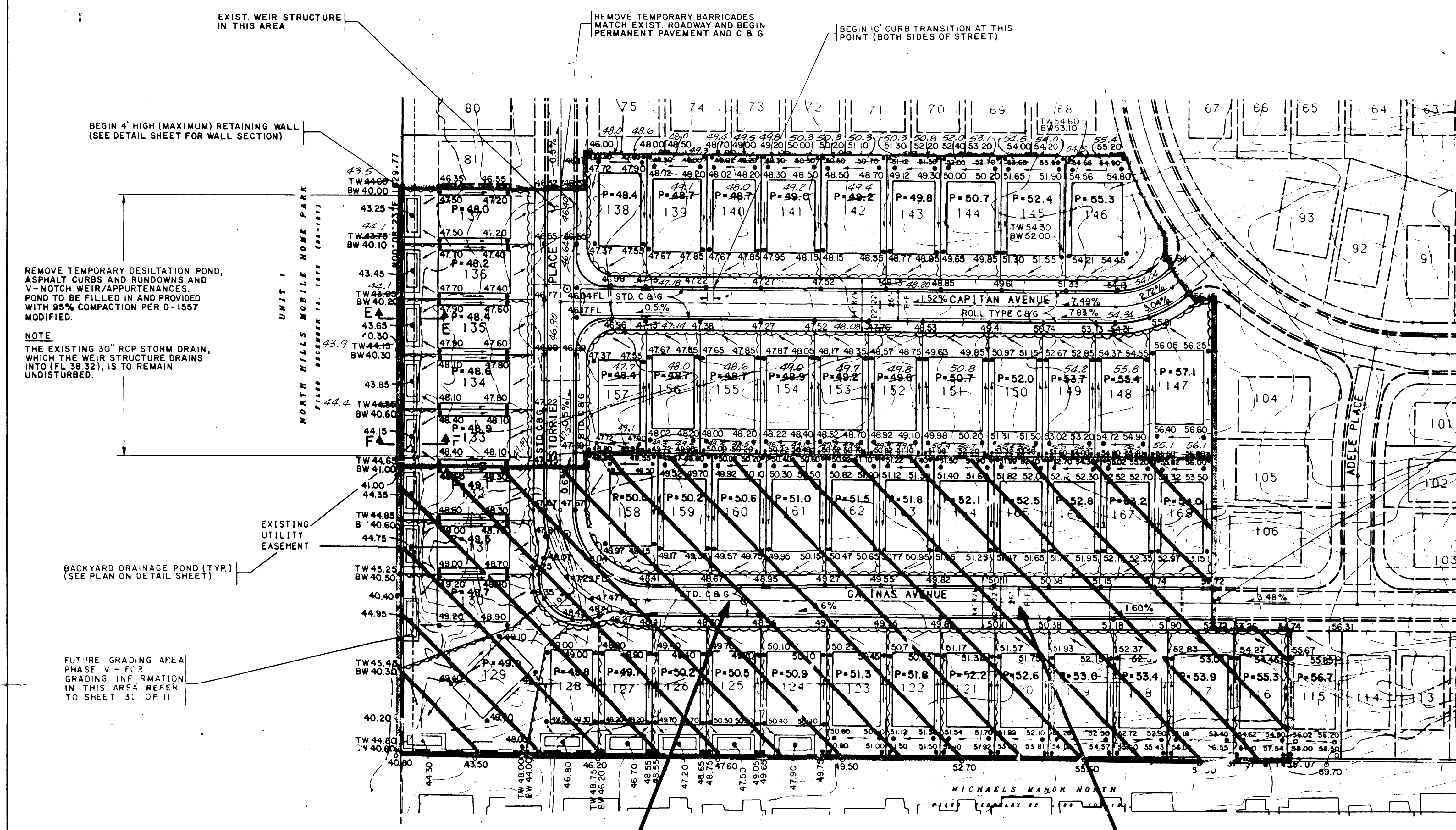


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

**PALOMAS PARK - PHASE V
FINAL GRADING & DRAINAGE PLAN
& DRAINAGE CERTIFICATION PLAN**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	B.G. Babbitt	4-26-94	WATER	N/A RWE	4-1-94
TRANSPORTATION	MA-2 HD	4-01-94	WASTE WATER	N/A RWE	4-1-94
HYDROLOGY	J. Topmiller	9-27-94			

DRAWING NO. **4510.94** MAP NO. D-19 SHEET **3** OF **8**



DRAINAGE CERTIFICATION

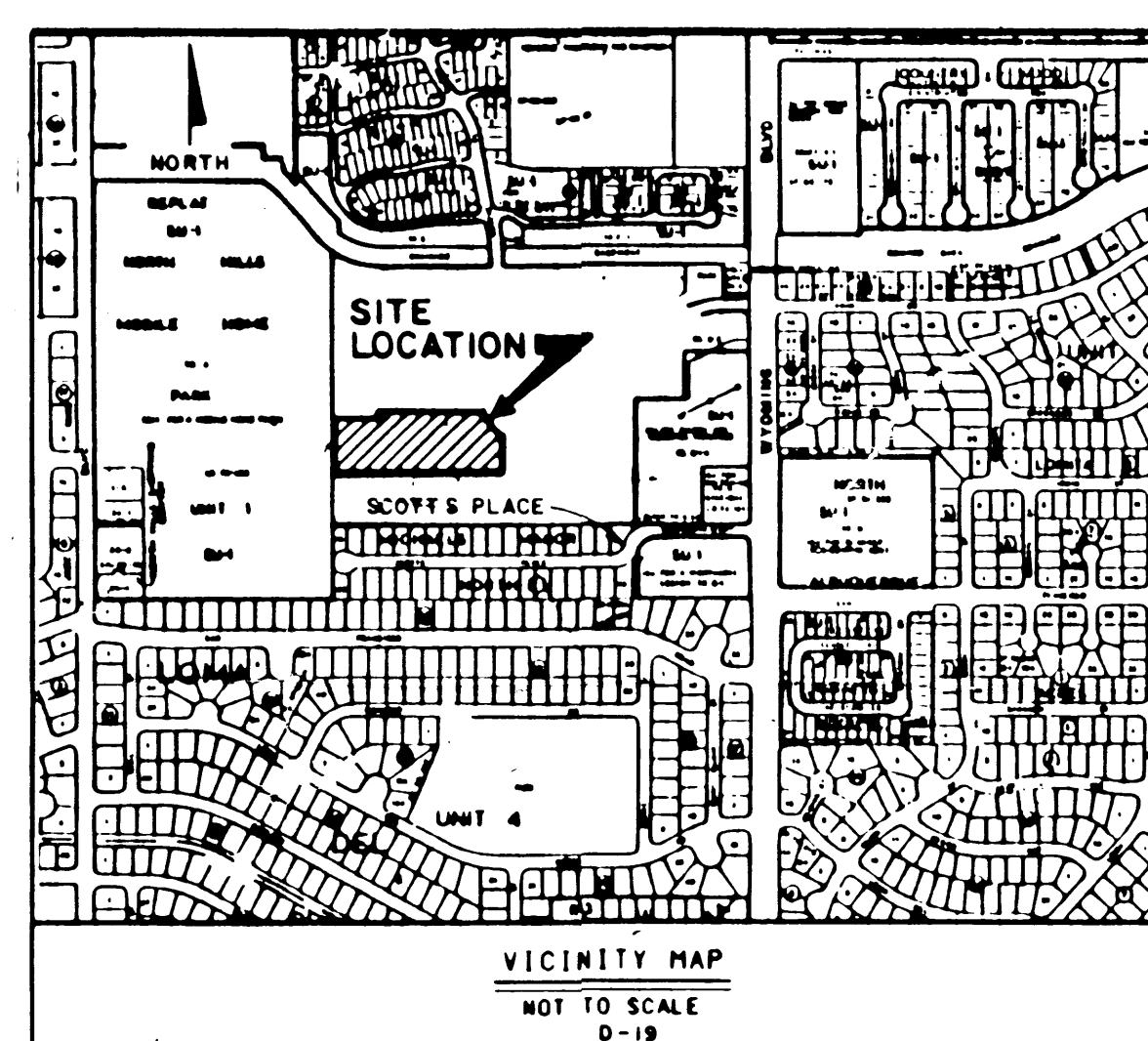
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NOTES:

JAMES R. TOPMILLER, OF BOHANNAN-HUSTON, INC., A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE EXISTING AND PROPOSED DRAINAGE CONDITIONS OF THIS SITE ARE IN SUBSTANTIAL COMPLIANCE WITH PREVIOUSLY APPROVED PLANS TO THE BEST OF HIS KNOWLEDGE AND BELIEF.

JAMES R. TOPMILLER, P.E.
J.A.M.P.E. No. 9354
DATE: 9/27/94

SEAL: JAMES R. TOPMILLER, NEW MEXICO, REGISTERED PROFESSIONAL ENGINEER, 9354



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DRAINAGE PLAN

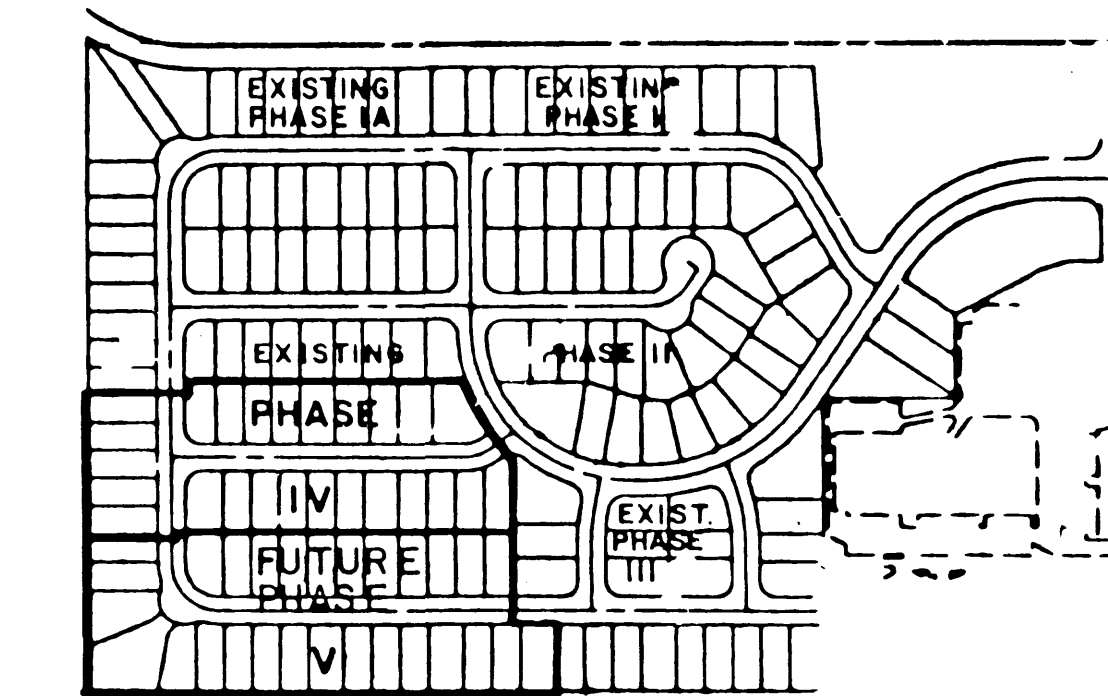
THIS PHASE DRAINAGE PLAN CONFORMS TO THE OVERALL DRAINAGE PLAN OF THE ENTIRE SITE (SEE PALOMAS PARK SUBDIVISION DRAINAGE REPORT ON JUNE 1992, #D19-D1B).

THE WEST END TEMPORARY DESILTATION POND, RECONSTRUCTED AS A PART OF PHASE III, WILL BE RELOCATED SOUTH OF THE PHASE IV BOUNDARY LIMITS (SEE SHEET 3B OF 11).

RUNOFF FROM THE CHURCH PROPERTY AND FROM THE SOUTHERN PORTION OF PHASE III WILL BE DIRT ROAD DRAINAGE TO THE WEST, AS PER PHASE III GRADING AND DRAINAGE. (SEE PHASE III GRADING AND DRAINAGE PLAN).

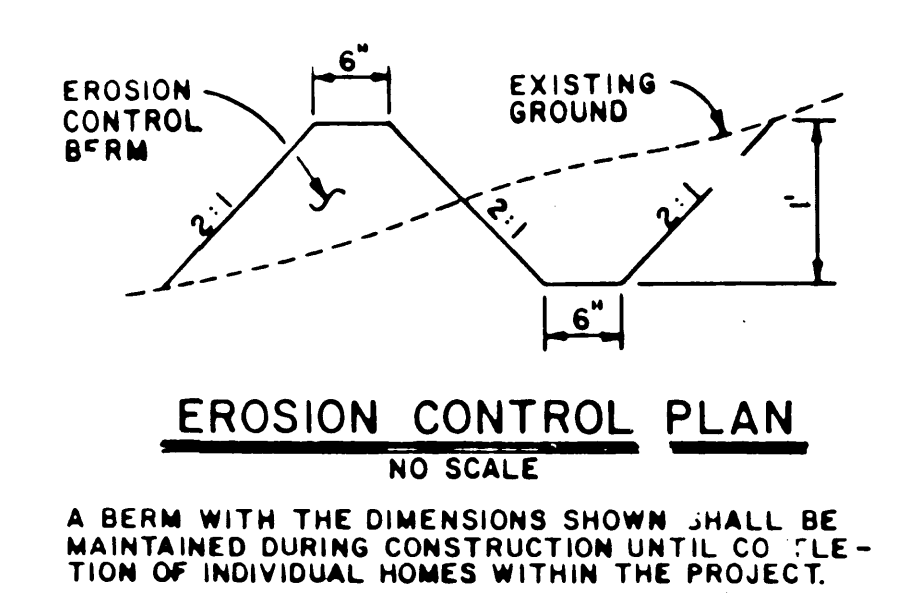
THE SIZE AND VOLUME OF THE RELOCATED DESILTATION POND REMAINS THE SAME FROM PHASE III TO THIS PHASE. REFER TO PHASE III FOR DRAINAGE CALCULATIONS.

A DRAINAGE COVENANT IS PREPARED FOR THE RELOCATED DESILTATION POND OF PHASE IV. A PUBLIC EASEMENT IS PLACED OVER THE DESILTATION POND.



APPROVED FOR ROUGH GRADING (± 1')

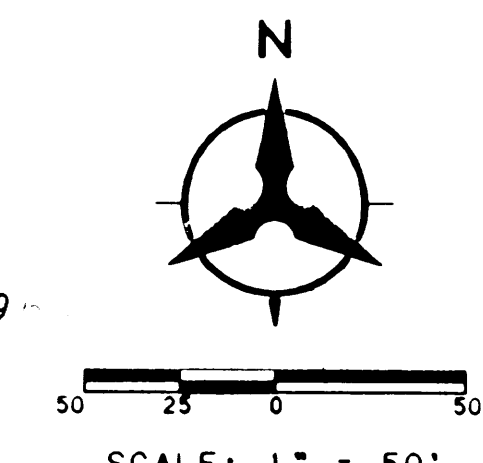
HYDROLOGY ENGINEER _____ DATE _____



- LEGEND**
- EROSION CONTROL BERM
 - EXISTING GROUND ELEVATION
 - PROPOSED GROUND ELEVATION
 - DRAINAGE FLOW DIRECTION
 - RETAINING WALL
 - EXISTING CONTOUR
 - PHASE BOUNDARY
 - EXISTING STORM DRAIN INLET
 - PROPOSED STORM DRAIN INLET
 - EXISTING STORM DRAIN MANHOLE
 - PROPOSED STORM DRAIN MANHOLE

LEGAL DESCRIPTION

LOTS 133 TO 157, INCLUSIVE, PALOMAS PARK SUBDIVISION, PHASE IV.



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
PALOMAS PARK - PHASE IV FINAL GRADING & DRAINAGE PLAN & DRAINAGE CERTIFICATION PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					
DRAWING NO. 4510.93		MAP NO. D-19		SHEET 3A OF 18	