

VICINITY MAP ZONE G-12/13 Scale: 1" = 750'

- 1. ALL WORK WITHIN THE RIGHT-OF-WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECS. FOR PUBLIC WORKS CONSTRUCTION, 7TH EDITION W/ UPDATES.
- 2. AN EXCAVATION/CONSTRUCTION PERMIT IS REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY R.O.W. AN APPROVED COPY OF THIS PLAN MUST BE SUBMITTED AT THE TIME OF APPLICATION.
- 3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- 4. CONTRACTOR SHALL ENSURE THAT NO SITE SOILS/SEDIMENT OR SILT ENTER THE RIGHT-OF-WAYS DURING CONSTRUCTION.
- 5. REVEGETATE ALL AREAS DISTURBED DUE TO CONSTRUCTION PER CITY OF ALBUQ. SPEC. 1011, NATIVE SEED MIX.
- 6. MAXIMUM SITE GRADING WITHOUT EROSION PROTECTION: 3 HORIZONTAL TO 1 VERTICAL, 3:1.
- 7. A TURNED BOTTOM BLOCK OR DRAINAGE OPENING IS REQUIRED ON SOLID WALLS LOCATED ON SIDE, LOT LINES.
- 8. THIS PLAN UTILIZES A FLAT GRADING SCHEME. DRAINAGE FLOW BETWEEN THE FRONT AND BACK YARDS SHALL NOT BE OBSTRUCTED, AND IS REQUIRED TO EQUALIZE TO SAME LEVEL.

LEGEND

+24.0 ——10 ————————————————————————————————	EXIST. SPOT ELEVATION EXIST. CONTOUR NEW SPOT ELEVATION NEW CONTOUR
	NEW SWALE DRAINAGE DIRECTION, EXISTING
EA	EDGE OF ASPHALT
FL 0 <i>PP</i>	FLOWLINE EXISTING POWER POLE
SG 35.0	NEW SUBGRADE ELEVATION
NG	NATURAL GROUND, EXISTING
ТВ	TOP OF BERM, EXISTING
R/C	REBAR AND CAP, EXISTING
CLF	CHAIN LINK FENCE, EXISTING
	NEW P.C.C., CONCRETE
W.S.E.	WATER SURFACE ELEVATION, As L

By the 100-Yr., 10-Day Storm

LEGAL DESCRIPTION

TRACTS 2, 2A & 2B, ALVARADO GARDENS ALBUQUERQUE, NEW MEXICO

PROJECT BENCHMARK

TOP OF SANITARY SEWER MANHOLE NORTH RIM (RIO GRANDE/IRIS INTERS.)
ELEVATION = 4966.43, AS TIED FROM ACS 3-G12, LOCATED IN THE TOP OF CURB AT THE NNW CURB RETURN OF RIO GRANDE BLVD. AND MATTHEW AVE. (NAVD 88 DATUM)

TOPOGRAPHIC DESIGN SURVEY

Clark Consulting Engineers 19 Ryan Road Edgewood, New Mexico 87015 TRACTS 2, 2A & 2B, ALVARADO GARDENS
-ALBUQUERQUE, NEW MEXICO 4-28-06 Addr. City ULTIMA HOMES, INC.

Grading & Drainage

8.2.07 AS BUILTER ! 11/6/2007 DESIGNED BY: PWC DRAWN BY: CCE JOB #: HIGHTR_VA CHECKED BY: PWC DATE: 1/07/06 FILE #: G/D

3/2-HYDROLOGY SECTION

NOV 0 6 2007

PERFORMED BY TERRAMETRICS OF NEW MEXICO, ON 2/2/06

I, PHILIP W. CLARK, A PROFESSIONAL ENGINEER LICENSED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT I HAVE VISITED THE SITE SHOWN HEREON, AND THAT THE CONTOURS SHOWN REPRESENT THE EXISTING GROUND CONDITIONS, AND DO FURTHER CERTIFY THAT NO EARTHWORK OF ANY KIND, NOR ANY DISTURBANCE OF THE EXISTING GROUND HAS OCCURRED ON THIS SITE SINCE THE CONTOURS WERE

NMPE #10265

DOWNSTREAM ANALYSIS

FLAT GRADING SCHEME, DESIRED. THEREFORE RETENTION PONDING IS REQUIRED.

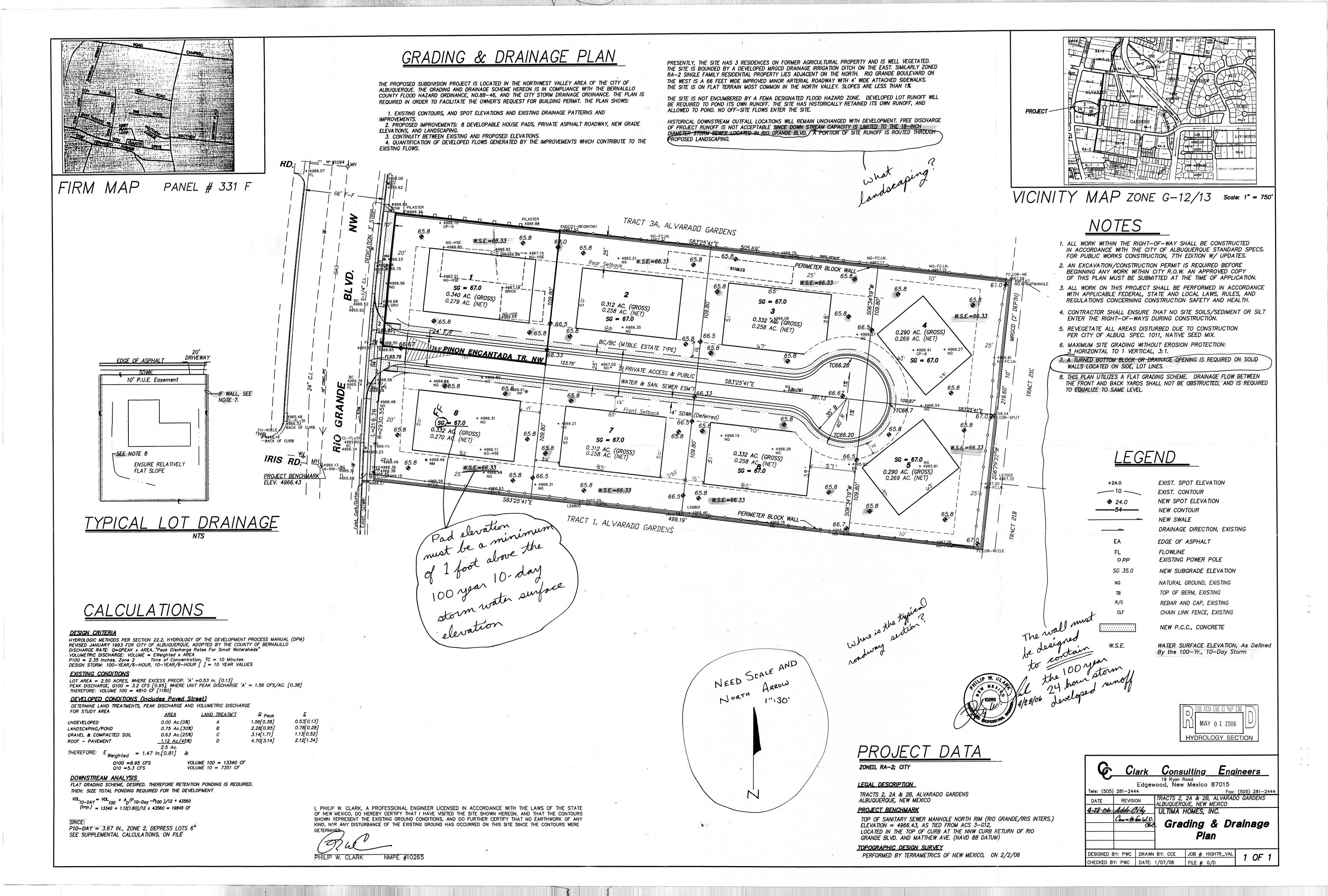
THEN: SIZE TOTAL PONDING REQUIRED FOR THE DEVELOPMENT

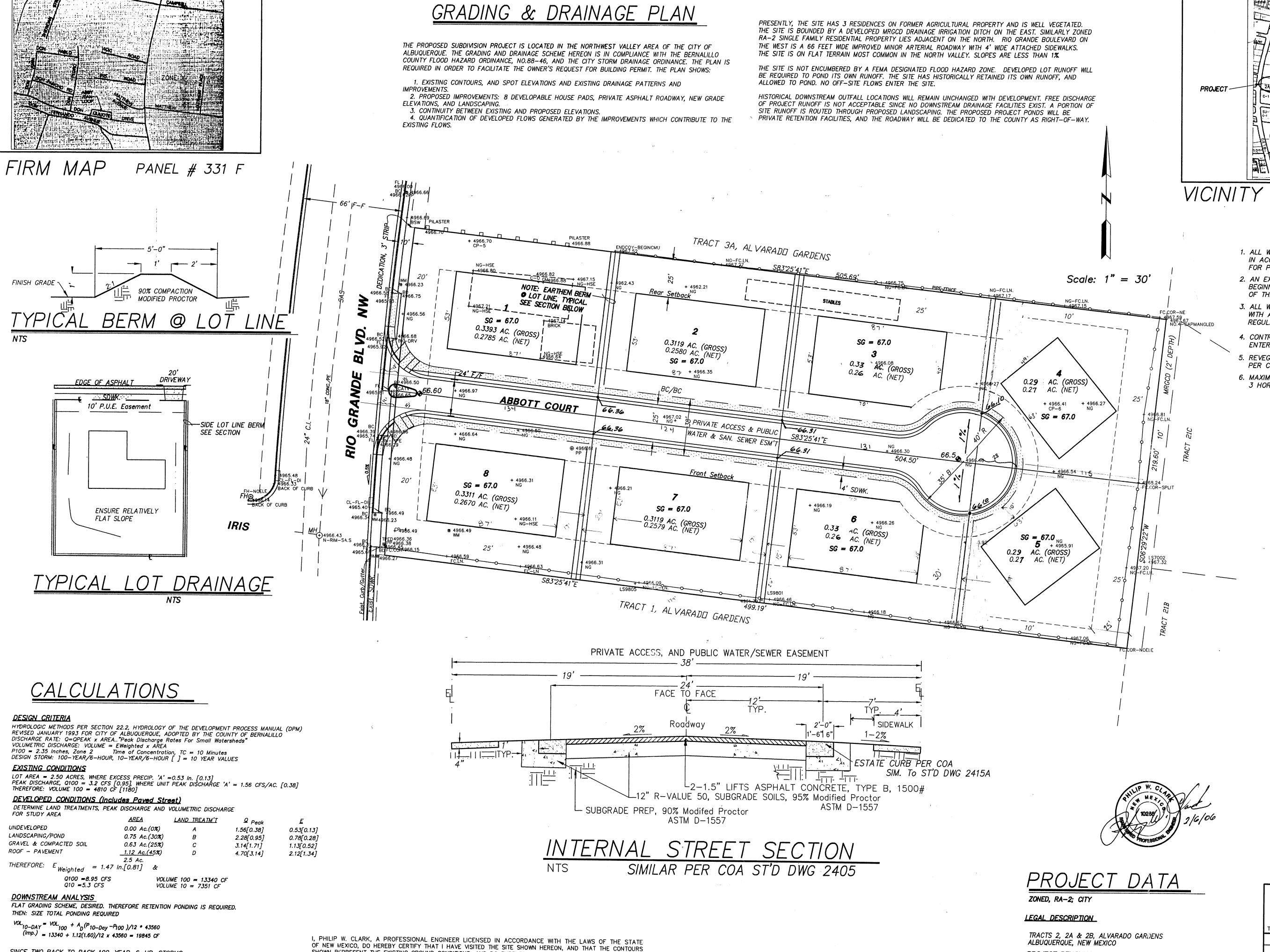
 $VOL_{10-DAY} = VOL_{100} + A_D(P_{10-Day} - P_{100})/12 * 43560$

(Imp.) = 13340 + 1.12(1.60)/12 x 43560 = 19845 CF

P10-DAY = 3.95 IN., ZONE 2, DEPRESS LOTS 6"

SEE SUPPLEMENTAL CALCULATIONS, ON FILE





SHOWN REPRESENT THE EXISTING GROUND CONDITIONS, AND DO FURTHER CERTIFY THAT NO EARTHWORK OF ANY

KIND, NOR ANY DISTURBANCE OF THE EXISTING GROUND HAS OCCURRED ON THIS SITE SINCE THE CONTOURS WERE

PHILIP W. CLARK NMPE #10265

SINCE TWO BACK TO BACK 100-YEAR, 6-HR. STORMS

SIDE LOT LINE BERM OK1/2 FOOT FREEBOARD

IS EQUAL TO 2 X P100 = 2 X 2.35 IN = 4.7 IN., 1' TALL

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<u>LEGEND</u>

+24.0 EXIST. SPOT ELEVATION EXIST. CONTOUR NEW SPOT ELEVATION NEW CONTOUR NEW SWALE DRAINAGE DIRECTION. EXISTING EDGE OF ASPHALT FLOWLINE EXISTING POWER POLE NEW SUBGRADE ELEVATION NATURAL GROUND. EXISTING TOP OF BERM, EXISTING REBAR AND CAP, EXISTING CHAIN LINK FENCE, EXISTING NEW P.C.C., CONCRETE

PROJECT BENCHMARK

TOP OF REBAR/CAP MONUMENTED ON THE SOUTH BOUNDARY ANGLE POINT, ELEVATION = 4932.57, AS TIED FROM ACS 3-G12, LOCATED IN THE TOP OF CURB AT THE NNW CURB RETURN OF RIO GRANDE BLVD. AND MATTHEW AVE.

TOPOGRAPHIC DESIGN SURVEY PERFORMED BY TERRAMETRICS OF NEW MEXICO, ON 2/2/06

HYDROLOGY SECT Clark Consulting Engineers Edgewood, New Mexico 87015 Tele: (505) 281-2444 TRACTS 2, 2A & 2B, ALVARADO GARDENS ALBUQUERQUE, NEW MEXICO ULTIMA HOMES, INC. Grading & Drainage Plan DESIGNED BY: PWC | DRAWN BY: CCE | JOB #: HIGHTR_VAL!

CHECKED BY: PWC DATE: 1/07/06

J FEB 2 2 2006