

FEMA MAP NO. 35043C2I26D DATED MARCH 18, 2008

GENERAL NOTES:

I. CONTRACTOR SHALL PROMPTLY NOTIFY THE PROJECT ENGINEER (\$05-897-0000) OF ANY CONFLICTS OR DISCREPANCIES DISCOVERED IN THE FIELD.

- DISTURBED AREAS SHALL BE PROTECTED FROM EROSION DURING CONSTRUCTION BY DIVERSION OF STORM WATER AROUND THE DISTURBED AREA. PROVIDE SIDE LOT BERM (12" OR LESS) TO PREVENT CROSS LOT DRAINAGE AT TIME OF BUILDING PERMIT IF REQUIRED.
- 3. LAND SHALL NOT BE GRADED OR CLEARED OF VEGETATION UNTIL ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES ARE INSTALLED. ACCEPTABLE EROSION AND SEDIMENT CONTROL DEVICES INCLIDE SILT FENCING, SWALES, STRAW BALES, BERMS, GEOTEXTILES SEDIMENT BASIN OR TRAPS, OR FENCING. ALL CONTROL DEVICES MUST BE KEPT IN PLACE AND USED UNTIL ALL THE DISTURBED AREA IS PERMANENTLY STABILIZED.

- FOR PROJECTS WHICH DISTURB AREAS GREATER THAN 5,000 SF, TECHNIQUES TO PREVENT THE BLOWING OF DUST OR SEDIMENT FROM THE SITE, SUCH AS WATERING DOWN EXPOSED AREAS, ARE REQUIRED.
- 7. THE LOT OWNER IS RESPONSIBLE FOR THE MAINTENANCE OF DRAINAGE PONDS AND DRAINAGE CONVEYANCES.
- BOUNDARY SHOWN HEREON IS FOR REFERENCE ONLY. BEARINGS AND DISTANCES SHOWN HEREON ARE FOR REFERENCE ONLY. SAID BOUNDARY LINE, BEARINGS AND DISTANCES SUBJECT TO A BOUNDARY SURVEY MAY VARY FROM THIS MAP.

GEOTECHNICAL:

1. REFER TO GEOTECHNICAL REPORT BY VINYARD & ASSOCIATES (V & A PROJECT NO. 10-H49), DATED 10/25/10 FOR SOIL.

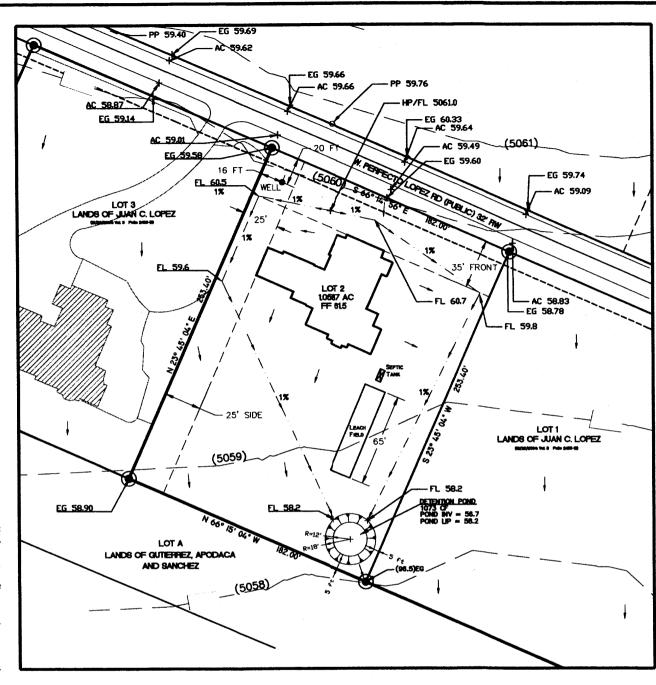
GRADING AND DISCLAIMER NOTES:

1. THE CONSTRAINTS GIVEN ON EXISTING GRE-DEVELOPMENT/POST-SUBDIVISION) GRADES, FOOTPRINT: BUYER: AND BUILDER PREFERENCES IMPACTS THIS SITE PLAN TO THE EXTENT THAT THE ENGINEER CERTIFYING HEREON DISCLAIMS LIABILITY FOR THE FOLLOWING.

- DRIVEWAY GRADES (IN EXCESS OF M/N GRADE)
  SIDE HILLS AND SLOPES IN EXCESS OF 3:1
  EROSION CONTROL FOR NON-VEGETATED OR STABILIZED GRADIENTS
  EROSION RUNOFF OR STORM WATER CONSEQUENCES RESULTING FROM BUILDER,LANDSCAPER OR HOME BUYER
- GRADING ACTIVITIES ON ADJACENT PROPERTY OR RIGHTS-OF-WAY WITHOUT WRITTEN PERMISSION FROM THE OWNER IS TRESPASSING, AND THEREFORE LLEGAL.
- SLOPE SHALL BE NO GREATER THAN AIRN PER VILLAGE CODE/POLICIES. IF THERE IS SUFFICIENT SLOPE PROTECTION (I.E. PLANTINGS, ROCK COVER, SHOTCRET/CONCRETE) SLOPES MAY BE NO STEEPER THAN 3H.IV.

- UTILITY NOTES:

  I. IF ANY UTILITY LINES OR PIPELINES (ABOVE OR BELOW GROUND) ARE DEPICTED HEREON, THEY ARE DEPICTED APPROXIMATELY AND ARE NOT TO BE RELED UPON FOR EXACT LOCATION. FURTHERMORE, EXISTING LINES MAY EXIST WHERE NOME ARE SHOWN. IF ANY SUCH EXISTING LINES ARE DEPICTED HEREON, THER LOCATIONS ARE BASED ON INFORMATION PROVIDED BY RESPECTIVE UTILITY AND/OR PIPELINE COMPANIES, THE OWNER, OR OTHERS, AND THE INFORMATION HAY BE INCOMPLETE OR OBSOLETE BY THE TIME CONSTRUCTION COMPRINES.
- 2. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITIES, PIPELINES, OR UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR, THE CONTRACTOR SHALL INFORM HIMSELF OF THE LOCATION OF ANY UTILITY LINE. HE WORK MEAR IN ADVANCE OF AND DURING EXCLAVATION WORK. THE DAMAGE CAUSED BY HIS OR HER FAILURE TO LOCATE, IDENTIFY AND PRESENCE MAY AND ALL EXISTING UTILITIES, PIPELINES AND UNDERGROUND UTILITY LINES. THE CONTRACTOR IS URGED TO COMPLY WITH STATE STATUTES, MINIOPAL AND LOCAL ORDINANCES, RLIES AND REGULATIONS, F ANY, PERTAINING TO THE LOCATION OF SUCH LINES, IN THE PLANNING OF AND CONDUCTING EXCAVATION.



## ENGINEERS CERTIFICATION

I, BOLESLO A. ROMERO, HERE BY CERTIFY THAT I PERSONALLY INSPECTED THE SITE SHOWN ON THIS SITE ON 10/19/10, AND AS OF THAT DATE IT APPEARED THAT NO FELLING GRADING, OR EXCAVATION HAD OCCURRED THESEON SINCE COMPLETION OF THE TOPOGRAPHIC SURVEY TO PREPARE THIS FLAN

Calela a. tomero 10/27/10 BOLESLO A. ROMERO, NMPE #8535 DATE

### GEOTECHNICAL (PERCOLATION):

A SOIL PERCOLATION TEST WAS PERFORMED BY VINYARD & ASSOCIATES ON 10/21/10. THE RESULTS OF THE TEST OPROJECT NO. 10-1-49 DATED 10/25/10) INDICATE THAT THE PERCOLATION RATE AT THE PROPOSED POND LOCATION IS 1.5 PM. THE 15 POND WILL THEREFORE DRAIN IN 1.5 PM. THE N = 27 HINDITES WHICH COMPLIES WITH THE VILLAGE ORDINANCE THAT THE POND DRAIN IN 24.

IMPERVIOUS AREA (SF)	
PROPOSED HOUSE:	4142
MISC STRUCTURES	: 0
POOL DECK:	0
FUTURE:	0 .
TOTAL:	4142 SF
L	

## STORM RUNOFF CALCULATIONS (SEE IMPERVIOUS AREA TABLE) = 4,142 SF RUNOFF CALCULATION: 2.66 INCHES X I FT / 12 IN x 4,142 SF =919 CF POND VOLUME REQUIRED: 919 CF

### STORM POND VOLUMES

POND VOLUME REQUIRED (SEE CALCULATIONS ABOVE): 919 CF

POND VOLUME PROVIDED: CIRCULAR POND WITH 18' RIM & 12' BASE BASE VOLUME = 1/3 X H X [AIBR + AI24 + (AIBRXAIZR) NO

 $= 1/3 \times 1.5 \times [mx18^2 + mx12^2 + (mx18^2 \times mx12^2)/k]$ 

= 0.5 x [1017 + 452 + (1017 x 452)1/2]

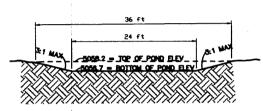
= 0.5 x 2147 = 1073 CF

TOTAL VOLUME PROVIDED = 1,073 CF

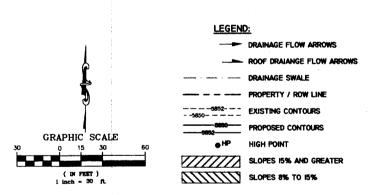
# **GRADING & DRAINAGE PLAN CALMAN RESIDENCE** 701 PERFECTO LOPEZ RD CORRALES, NM

LANDS OF JUAN C. LOPEZ LOT 2

VILLAGE OF CORRALES SANDOVAL COUNTY, NEW MEXICO OCTOBER 20, 2010



A PROPOSED POND CROSS SECTION



# CALMAN RESIDENCE GRADING AND DRAINAGE PLAN

REV. SHEETS VILLAGE ENGINEER DATE USER DEPARTMENT DATE

ENGINEER'S SEAL

COL. 28, 10

OUE 1" - 30'

BAR

BAR

USER DEPARTMENT DATE

COMMUNITY

APPROVED FOR CONSTRUCTION

Village of Corrollee

Village of Corrollee

DATE

DATE 833 F:\Calman\Calman GP 10 25 10 PROJECT SHEET 1 OF 1