

DEVELOPED A

PROPOSED CONTOUR

XX.XX

XX.XX

-XX.XX

EXISTING SPOT ELEVATION

RECORD SPOT ELEVATION

PROPOSED SPOT ELEVATION

WM

WV

МН

CB

WATER METER

WATER VALVE

CATCH BASIN GRATE

MANHOLE

10

100

TOTAL

D

TOTAL

O KEYED NOTES

- 1. UNCOVERED CONCRETE PATIO. SLOPE CONCRETE TO DRAIN.
- 2. COVERED CONCRETE PORCH. SLOPE CONCRETE TO DRAIN.
- 4. TURN CMU ON EDGE OR PLACE 2-3" PVC PIPE DRAINS THRU WALL TO

- 7. STEPPED CMU WALL. SEE SITE PLAN FOR STEPS AND WALL HEIGHTS.
- 8. EXISTING ASPHALT STREET.

DRAINAGE NOTES

- 1. THE SITE IS PRESENTLY VACANT WITH A GRADED PAD. THE SURROUNDING PROPERTIES OUTSIDE THE 5 LOT SUBDIVISION IN WHICH THE SITE IS LOCATED ARE DEVELOPED. THERE ARE NO DRAINAGE FACILITIES IN THE AREA AND THE SITE IS REASONABLY FLAT. THE STREET IS BELOW THE LEVEL OF MOST OF THE LOT. THESE PARAMETERS REQUIRE THAT EACH LOT BE DESIGNED TO CONTAIN THE RUNOFF GENERATED BY STORMS. PER THE CITY HYDROLOGIST, THE SITE WILL BE DESIGNED TO PROVIDE PONDING FOR THE ENTIRE 100 YEAR, 6 HOUR RAINFALL VOLUME FOR THE LOT AS WELL AS THE NORTHERLY HALF OF THE STREET. THE GRADING DESIGN HAS LARGE FLAT BOTTOMED PONDS IN THE FRONT AND REAR YARDS TO BEST MEET THE STATED PARAMETERS AND FIT THE EXISTING
- 2. THE SITE IS LOCATED IN RAINFALL ZONE 2. THERE IS A INCREASE, DUE TO DEVELOPMENT, IN THE 6 HOUR RUNOFF VOLUMES FOR THE 10 YEAR AND 100 YEAR STORMS OF 681 AND 963 CUBIC FEET RESPECTIVELY. THIS INCREASE, AS WELL AS THE BASE RUNOFF, IS PONDED ONSITE.
- 3. THE SITE IS LOCATED IN A 'ZONE X' PER FEMA FIRM MAP NO. 119, DATED
- 4. TOPO SURVEY DATA SHOWN ON THIS DRAWING WAS OBTAINED BY PROFESSIONAL CONTRACTING SERVICES DATED FEBRUARY 21, 2012.

GRADING NOTES

- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT THE NEW MEXICO ONE CALL SYSTEM AT 260-1990 FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION 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.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- 4. ALL CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE

EROSION CONTROL NOTES

- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO PUBLIC RIGHT-OF-WAY OR PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY THE CONSTRUCTION OF TEMPORARY SOIL BERMS OR SILT FENCES AT PROPERTY LINES AND WETTING SOIL TO PREVENT IT FROM BLOWING. IF THE SITE IS CONTROLLED BY A SWPPP PLAN, EROSION CONTROL SHALL BE ACCOMPLISHED ACCORDING TO THE PLAN.
- 2. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT
- 3. THE CONTRACTOR SHALL SECURE THE APPROPRIATE BARRICADING, TOP SOIL DISTURBANCE AND EXCAVATION PERMITS FROM THE CITY PRIOR TO BEGINNING CONSTRUCTION.

PEAK RUNOFF

EXCESS

8 C-2 USES OR \$UZ NEMX

FEMA FIRM PANEL NO. 119

· Unincomborated Aireas

VICINITY MAP E-14

PERMANENT BENCHMARK

LOT 2, LANDS OF ROSS AND JOYCE COX

LEGAL DESCRIPTION

ACS 12-E14 ELEVATION 4978.632 (NAVD 1988)

date by REVISIONS



project title RICE/McGONAGIL RESIDENCE 505 CAMINO ESPANOL NW ALBUQUERQUE, NM

GRADING & DRAINAGE PLAN

project no. 03/23/12 JJB 1203 sheet BORDENAVE DESIGNS P.O. BOX 91194, ALBUQUERQUE, NM 87199 (505)823 - 1344FAX (505)821-9105

PRECIPITATION RUNOFF VOLUME RATE AREA (table 8) (table 9) cfs/acre cu. ft. cfs sq. ft. 0.00 0.13 0.38 0.28 0.95 0.07 0.52 1.71 0.09 3160 1.34 3.14 0.23 528 8731 0.39 0.17 2.28 1.13 3.14 0.16 3160 2.12 4.7 0.34 8731 0.68

BASIN A POND REQUIRED VOLUME — 1118 cu. ft. (from table)

2.28

3.14

4.7

2.28

3.14

4.7

7364

1500

2822

7364

1500

2822

11686

11686

0.28

0.52

1.34

0.78

1.13

2.12

0.39

0.11

0.30

0.80

0.00

0.39

0.11

0.30

0.80

315

552

479

499

PROVIDED VOLUME AREA (sq. ft.) VOLUME (cu. ft.) ELEVATION 5205 82.2 1425 81.8 1922

BASIN B POND REQUIRED VOLUME - 986 cu. ft. (from table) PROVIDED VOLUME AREA (sq. ft.) VOLUME (cu. ft.) ELEVATION 81.2 1044 80.6 1120