

CITY OF ALBUQUERQUE

PLANNING DEPARTMENT – Development & Building Services



August 10, 2012

Mark Goodwin, P.E.
Mark Goodwin & Associates, PA
P.O. Box 90606
Albuquerque, New Mexico 87199

Re: Cornucopia Center / Greenhouse-Grading & Drainage Plan (L12-D011)
2002 Bridge Blvd. SW P.E. Stamp dated: **8-8-12**

Dear Mr. *Mark* Goodman,

Based upon the information provided in your submittal received August 8, 2012, the subject Grading and Drainage Plan is approved for Grading Permit and Building Permit. Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

Prior to Certificate of Occupancy approval, an Engineer's Certification of compliance with this Grading and Drainage plan is required per the DPM.

Albuquerque's MS4 Permit became effective March 1st, 2012. Grading and Drainage Plans and Drainage Reports will have to comply with the requirements of the new permit (<http://www.cabq.gov/planning/landcoord/documents/EPA-NMS000101-FinalPermit.pdf>)

If you have any questions, you may contact me by email at grolson@cabq.gov, or telephone 505-924-3994.

Sincerely,

Gregory R. Olson 8/10/12

Gregory R. Olson, P.E.
Senior Engineer

Orig: Drainage file L12/D011
c.pdf Addressee via Email Mark@GoodwinEngineers.com
Mike@MullinHeller.com

C.O.A. STANDARD S0.19 NOTES
NOTICE TO CONTRACTOR

1.	An excavation/construction permit will be required before beginning any work within City right of way.
2.	All work detailed on these plans to be performed, except as otherwise stated or provided for hereon, shall be constructed in accordance with City of Albuquerque Standard Specifications for Public Works Construction, (1986 Edition as revised through update #8 amendment 1).
3.	Two working days prior to any excavation, Contractor must contact New Mexico One Call system, (260-1990) for location of existing utilities.
4.	Prior to construction, the Contractor shall excavate and verify the horizontal and vertical locations of all Constructions. Should a conflict exist, the Contractor shall notify the Engineer so that the conflict can be resolved with a minimum amount of delay.
5.	Backfill compaction shall be according to Traffic / street use.
6.	Maintenance of these facilities shall be the responsibility of the Owner of the property served.
7.	Work on Arterial Street shall be Performed on a 24-hour Basis.

Approval	Name	Date
Inspector		

EROSION CONTROL NOTES:

1. CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.
2. 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.
3. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO THE PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
4. THE EARTHWORK CONTRACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACK FILL.
5. SITE DOES NOT LIE WITHIN A 100 YEAR FLOOD ZONE.
6. THE CONTRACTOR SHALL PROPERLY HANDLE AND DISPOSE OF ANY ASPHALT TO BE REMOVED ON THE PROJECT BY HAULING TO AN APPROVED LANDFILL IN ACCORDANCE WITH THE REQUIREMENTS OF THE NEW MEXICO SOLID WASTE ACT.

GENERAL NOTES:

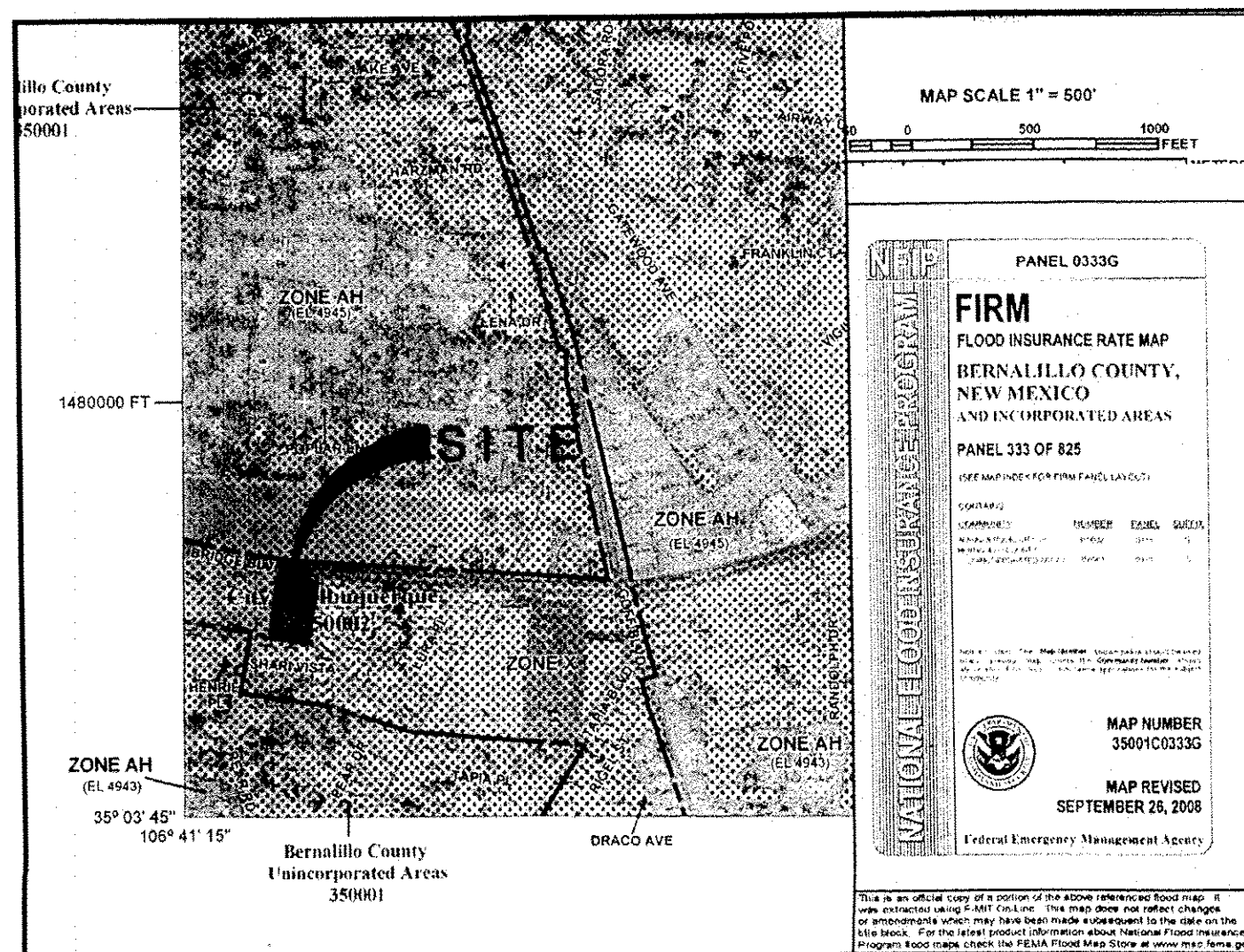
1. PROPOSED POND WILL COLLECT FLOWS IN THE SOUTHERN AND SOUTHWEST PORTION OF THE PROPERTY THUS MITIGATING IMPACTS TO ADJACENT PROPERTIES.

DRAINAGE CALCULATIONS

AREA = 0.84 AC.
P (6HR) = 2.26 IN.

EXISTING
Q (6HR) = 3.03 C.F.S.
V (6HR) = 4,373 C.F.

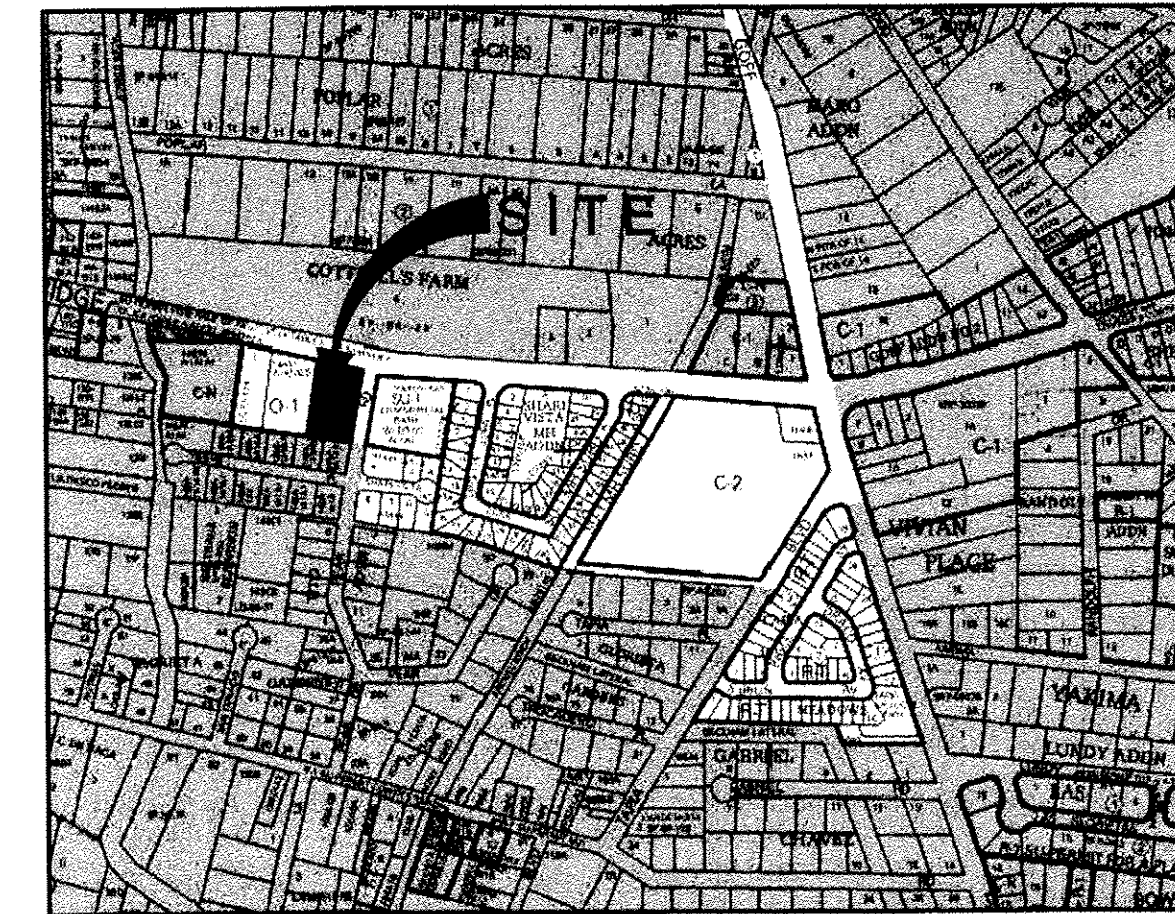
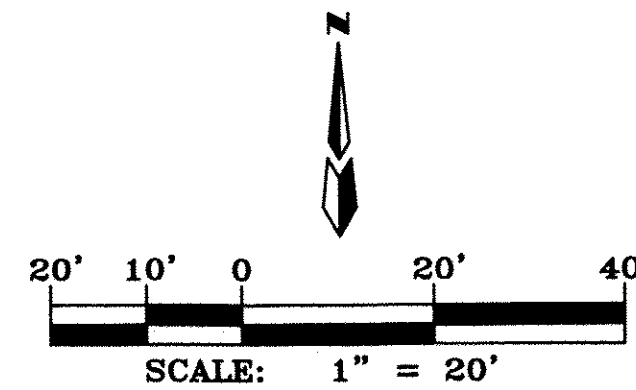
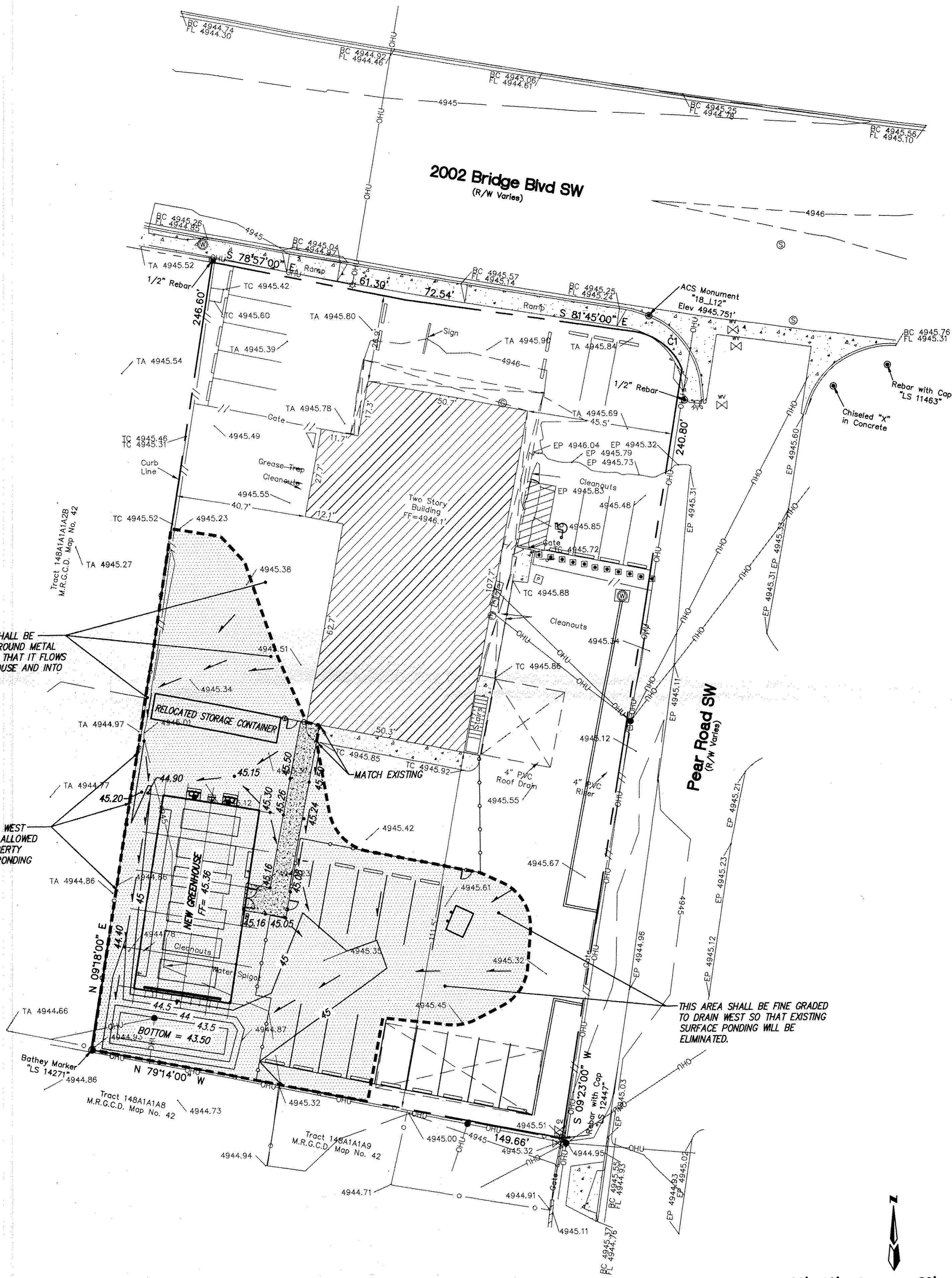
PROPOSED
Q (6HR) = 1.99 C.F.S.
V (6HR) = 4,400 C.F.
POND STORAGE = 685 C.F.



F.I.R.M. MAP

RUNOFF IN THIS AREA SHALL BE DIRECTED SOUTH AND AROUND METAL STORAGE CONTAINER SO THAT IT FLOWS SOUTH OF NEW GREENHOUSE AND INTO NEW PONDING AREA.

ON-SITE RUNOFF APPROACHING WEST PROPERTY LINE SHALL NOT BE ALLOWED TO PASS ONTO ADJOINING PROPERTY BEFORE BEING DIRECTED INTO PONDING AREA.



VICINITY MAP ZONE MAP: L-12-Z

LEGAL DESCRIPTION

TRACT 148-A-1-A-1-A-2, AS SHOWN ON M.R.G.C.D. MAP NO. 42 AND DESCRIBED AS FOLLOWS ON THE WARRANTY DEED FILED IN THE BERNALILLO COUNTY CLERK'S OFFICE ON JUNE 19, 2003 IN BOOK A58, PAGE 5002.

ACS BENCHMARK

ACS MONUMENT "18_L12" HAVING AN ELEVATION OF 4945.751.

LEGEND

- N 90°00'00" E
- MEASURED BEARING AND DISTANCES FOUND AS INDICATED
 - EXISTING WATER METER
 - EXISTING WATER VALVE
 - EXISTING ELECTRIC METER
 - EXISTING PULL BOX
 - EXISTING ELECTRIC CABINET
 - EXISTING UTILITY POLE
 - EXISTING OVERHEAD UTILITY LINES
 - EXISTING FIRE HYDRANT
 - EXISTING GAS VALVE
 - EXISTING GAS METER
 - EXISTING LIGHT POST
 - EXISTING BOLLARD
 - EXISTING SANITARY SEWER MANHOLE
 - EXISTING CHAIN LINK FENCE
 - EXISTING WOOD FENCE
 - EXISTING UTILITY PEDESTAL
 - EXISTING BLOCK WALL
 - EXISTING TOP OF CONCRETE ELEVATION
 - EXISTING BACK OF CURB ELEVATION
 - EXISTING FLOW LINE ELEVATION
 - EXISTING EDGE OF PAVEMENT ELEVATION
 - EXISTING TOP OF ASPHALT ELEVATION
 - EXISTING GROUND SPOT ELEVATION
 - EXISTING CONTOUR MINOR
 - EXISTING CONTOUR MINOR
 - NEW HIGH POINT/WATER BLOCK
 - NEW SPOT ELEVATION
 - NEW TOP OF WALL ELEVATION
 - NEW BOTTOM OF WALL ELEVATION
 - NEW SURFACE FLOW DIRECTION
 - NEW CONTOUR LINE MAJOR
 - NEW CONTOUR LINE MINOR

LIMITS OF DISTURBANCE

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505)828-2200, FAX (505)797-9539

revision	
by	SM
date	
rev	1 2 3 4



Mullen Heller
Architecture P.C.

924 Park Avenue SW
Suite B
Albuquerque 87102
505 268 4144[p]
505 268 4244 [f]



job number	A12036
drawn by	DER
project manager	Michelle Mullen, AIA
date	07/13/2012

project title
Cornucopia Greenhouse
2002 Bridge Boulevard, SW
Albuquerque, NM 87105

sheet title
Grading & Drainage Plan

HYDROLOGY SECTION
C101

L12/2011