

CITY OF ALBUQUERQUE



May 2, 2018

David Soule, P.E.
Rio Grande Engineering
PO Box 93924
Albuquerque, NM 87199

**RE: Sunset Gardens Subdivision
Revised Drainage Certification for Release of Financial Guarantee
Hydrology File: K12D003
Engineer's Stamp Date 3/17/16
Certification Dated: 4/23/18**

Dear Mr. Soule,

PO Box 1293

Based on the certification received 4/24/18, this submittal is re-approved for Release of Financial Guarantee by Hydrology.

Albuquerque

Prior to Building Permit for lots 46 and 47, a LOMR-F will need to be approved by Hydrology and submitted to FEMA. Prior to Certificate of Occupancy for lots 46 and 47, the LOMR-F's must be approved by FEMA.

NM 87103

If you have any questions, you can contact me at 924-3695 or dpeterson@cabq.gov.

Sincerely,

www.cabq.gov

Dana Peterson, P.E.
Senior Engineer, Planning Dept.
Development and Review Services



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

(REV 02/2013)

Project Title: _____ Building Permit #: _____ City Drainage #: _____

DRB#: _____ EPC#: _____ Work Order#: _____

Legal Description: _____

City Address: _____

Engineering Firm: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Owner: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Architect: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Surveyor: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

Contractor: _____ Contact: _____

Address: _____

Phone#: _____ Fax#: _____ E-mail: _____

TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
- ☐ DRAINAGE PLAN 1st SUBMITTAL
- ☐ DRAINAGE PLAN RESUBMITTAL
- ☐ CONCEPTUAL G & D PLAN
- ☐ GRADING PLAN
- ☐ EROSION & SEDIMENT CONTROL PLAN (ESC)
- ☐ ENGINEER'S CERT (HYDROLOGY)
- ☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
- ☐ ENGINEER'S CERT (TCL)
- ☐ ENGINEER'S CERT (DRB SITE PLAN)
- ☐ ENGINEER'S CERT (ESC)
- ☐ SO-19
- ☐ OTHER (SPECIFY) _____

CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☐ SIA/FINANCIAL GUARANTEE RELEASE ***
- ☐ PRELIMINARY PLAT APPROVAL
- ☐ S. DEV. PLAN FOR SUB'D APPROVAL
- ☐ S. DEV. FOR BLDG. PERMIT APPROVAL
- ☐ SECTOR PLAN APPROVAL
- ☐ FINAL PLAT APPROVAL
- ☐ CERTIFICATE OF OCCUPANCY (PERM)
- ☐ CERTIFICATE OF OCCUPANCY (TCL TEMP)
- ☐ FOUNDATION PERMIT APPROVAL
- ☐ BUILDING PERMIT APPROVAL
- ☐ GRADING PERMIT APPROVAL ☐ SO-19 APPROVAL
- ☐ PAVING PERMIT APPROVAL ☐ ESC PERMIT APPROVAL
- ☐ WORK ORDER APPROVAL ☐ ESC CERT. ACCEPTANCE
- ☐ GRADING CERTIFICATION ☐ OTHER (SPECIFY) _____

WAS A PRE-DESIGN CONFERENCE ATTENDED: _____ Yes _____ No _____ Copy Provided

DATE SUBMITTED: _____ y: _____

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location, and scope to the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based on the following:

1. **Conceptual Grading and Drainage Plan:** Required for approval of Site Development Plans greater than five (5) acres and Sector Plans
2. **Drainage Plans:** Required for building permits, grading permits, paving permits and site plans less than five (5) acres
3. **Drainage Report:** Required for subdivision containing more than ten (10) lots or constituting five (5) acres or more
4. **Erosion and Sediment Control Plan:** Required for any new development and redevelopment site with 1-acre or more of land disturbing area, including project less than 1-acre that are part of a larger common plan of development

*** ADDITIONAL PROPERTY CORNER AND ROADWAY FLOWLINE SHOTS PROVIDED PER CITY REQUEST. THIS IS A RESUBMITTAL

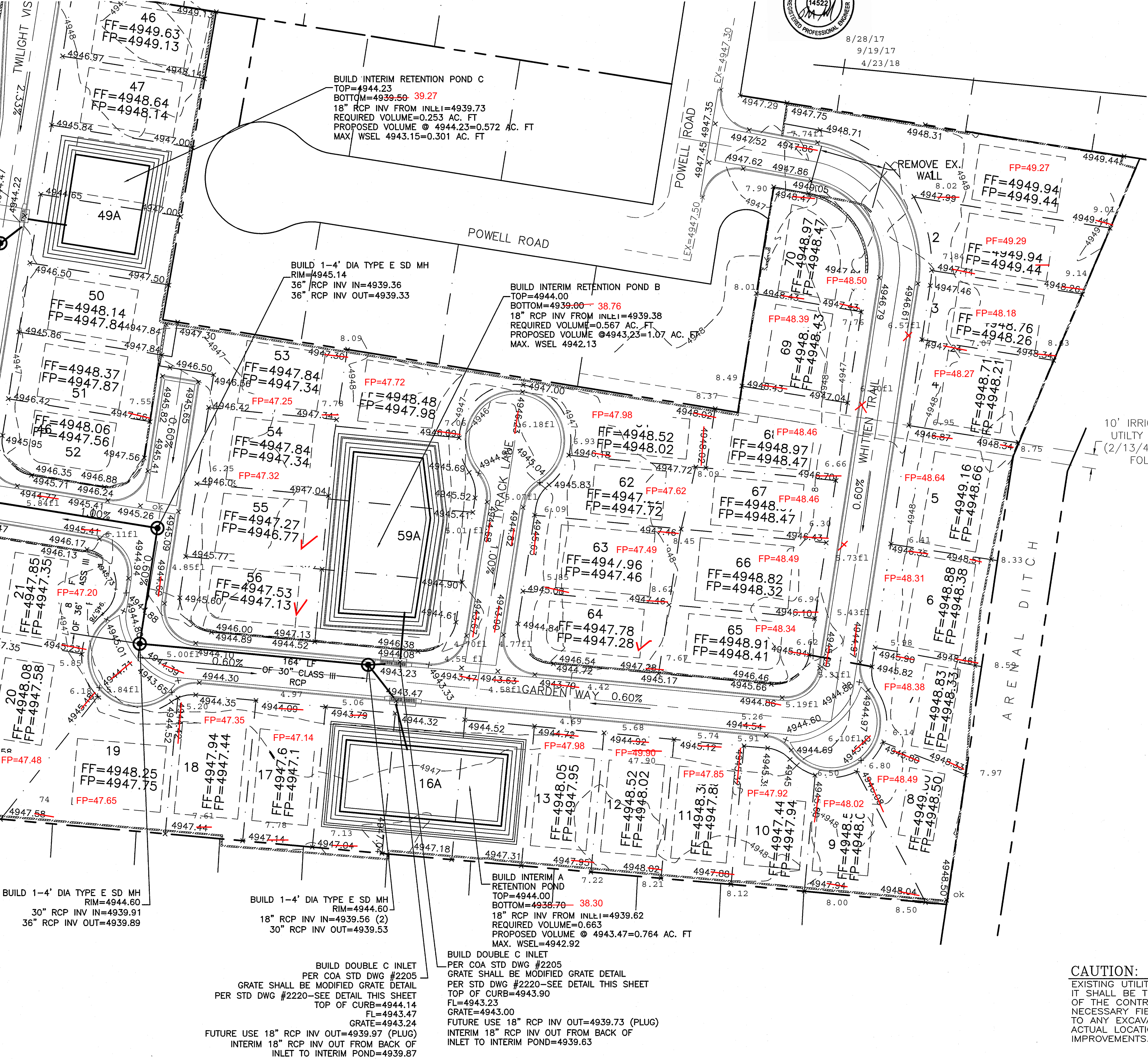
EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.

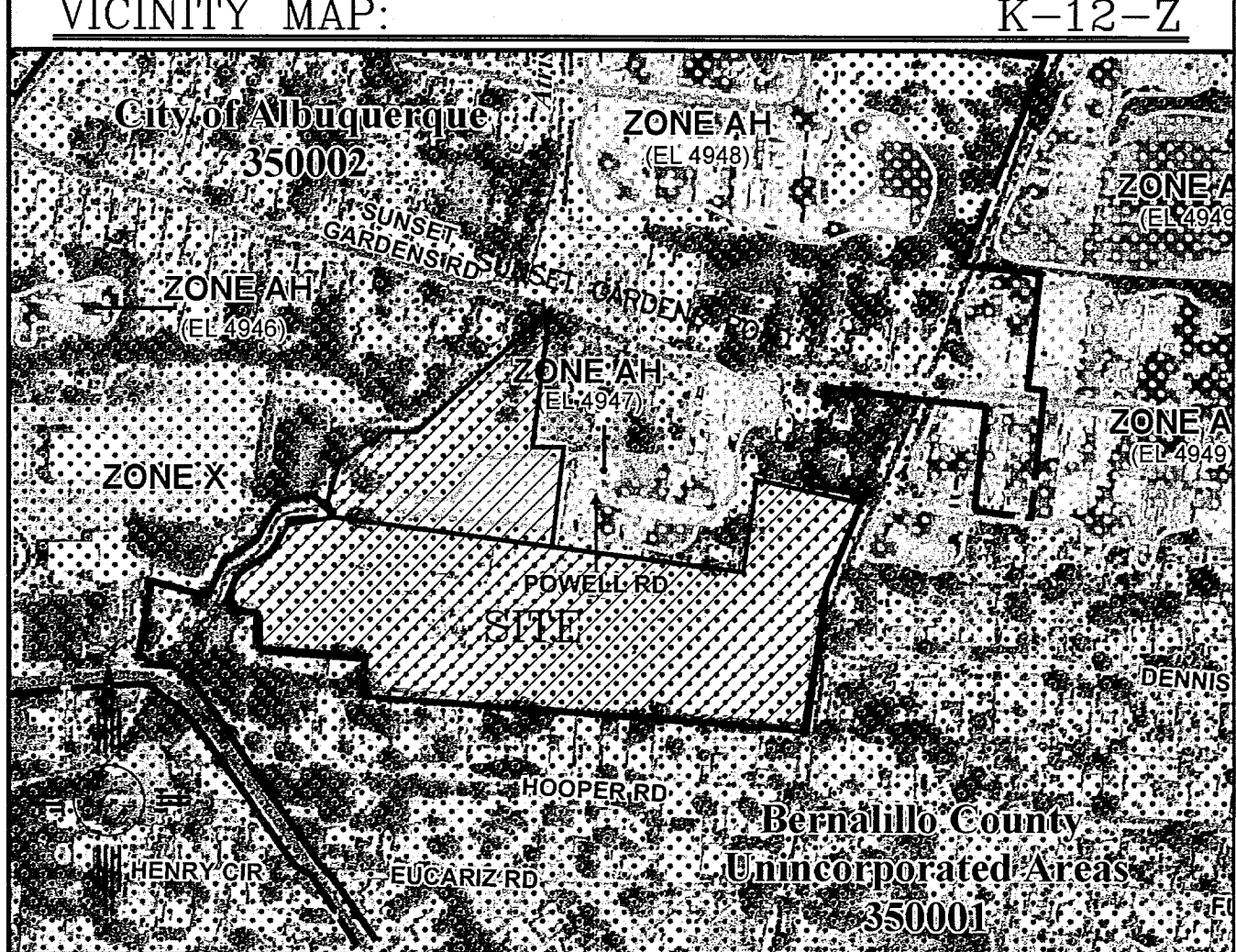
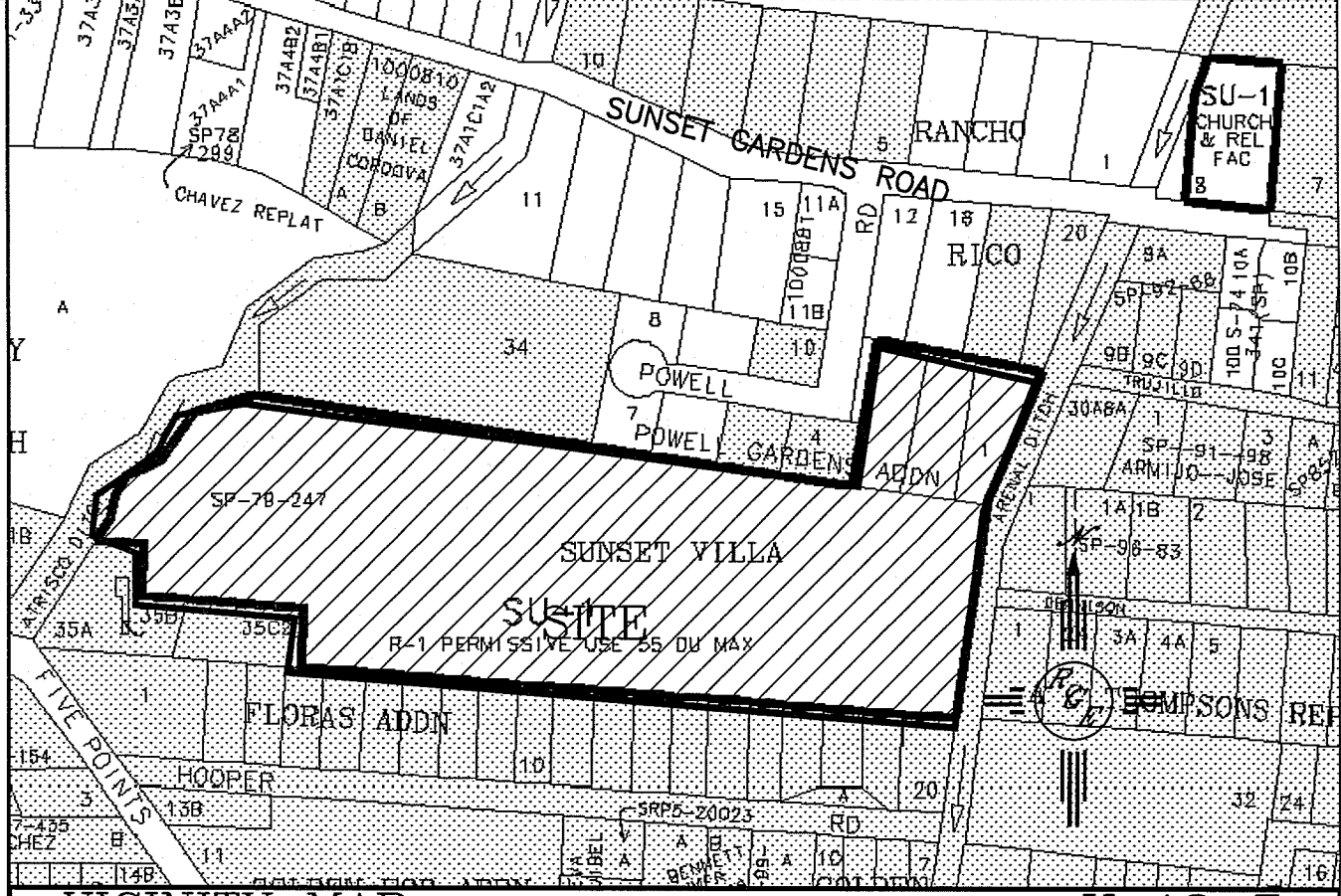
I David Soule, NMPE 14522, of the firm Rio Grande Engineering, hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intend of the approved plan dated 3/17/16. The record information edited on the original design document has performed by me or under my direct supervision and is true and correct to the best of my knowledge and belief. The as-built survey was provided RUSS HUGG #9750. The certification is submitted in support of a request for RELEASE OF FINANCIAL GUARANTEE. The record information presented heron is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspects of this project. Those relying on this record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

"NM 45-4A 1983",
NAD 83 Position

Datum: NAD 83
Projection: New Mexico State Plane
Zone: Central
Latitude: 35 - 4 - 4.23358
Longitude: 106 - 42 - 4.21016
Ground to Grid Factor: 0.999665359
Northing (US survey feet): 1450269.336
Easting (US survey feet): 1505415.477
NAVD 1988 Elevation
Datum: NAVD 1988
Orthometric Height (US survey feet): 5005.686



CAUTION:
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.




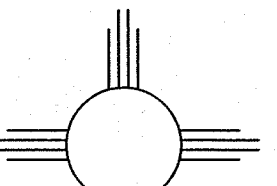
FIRM MAP: 35001C0333H

LEGAL DESCRIPTION:
LOT 1 P1-76 P1, SUNSET VILLA AND LOT 4-A, POWELL GARDENS ADDITION

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL CURB AND GUTTER TO 8" STANDARD UNLESS OTHERWISE NOTED.
3. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. ALL POND EMERGENCY SPILLWAYS ARE THE INLET GRATE. IN EVENT GREATER THAN 100-YEAR 10 DAY, PONDS WILL OVER FLOW TO THE STREET VIA THE INLET GRATES.
5. A LOMR F WILL BE REQUIRED PRIOR TO BUILDING PERMIT IS ISSUED ON LOTS 46 AND 47.
6. A FLOOD PLAIN PERMIT IS REQUIRED PRIOR TO CONSTRUCTION WITHIN FLOOD ZONE.
7. THIS SITE RETAINS ALL DEVELOPED FLOWS, THEREFORE THE FIRST FLUSH VOLUMES ARE RETAINED ONSITE.
8. ALL INLET GRATE ELEVATIONS SHALL BE .226' BELOW FLOW LINE AT CENTER OF GRADE AND PROJECTED FLOW LINE AS DESIGNATED ON PLAN.

LEGEND	
---	EXISTING CONTOUR
---	EXISTING INDEX CONTOUR
---	PROPOSED CONTOUR
---	PROPOSED INDEX CONTOUR
---	PROPOSED STORM DRAIN
X 4048.25	EXISTING SPOT ELEVATION
X 4048.25	PROPOSED SPOT ELEVATION
---	BOUNDARY
---	CENTERLINE
---	RIGHT-OF-WAY
---	PROPOSED CURB AND GUTTER
---	EXISTING CURB AND GUTTER
---	PROPOSED SIDEWALK
---	PROPOSED SETBACK
---	PROPOSED LOT LINE
---	PROPOSED SCREEN WALL
---	EXISTING SCREEN WALL
---	FLOOD ZONE AH

ENGINEER'S SEAL  DAVID SOULE P.E. #14522	SUNSET VILLA GRADING AND DRAINAGE PLAN  Rio Grande Engineering 1806 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	DRAWN BY WCVJ
		DATE 3-17-16 21401-LAYOUT-1-06-13 SHEET # 6A OF 25 JOB # 21401

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
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NO ADJUSTEMENTS TO EXISTING POND. THE SITE DOES NOT DRAIN TO POND. IMPROVEMENTS AT BOTTOM OF POND TO REMAIN AS BUILT BY BERNALILLO COUNTY. BERNALILLO COUNTY MAINTAINS POND. COUNTY HAS CONVERTED RETENTION POND TO DETENTION POND BY LIFT STATION AND OUTLET PIPE CONNECTION

EXCAVATE POND TO NEW BOTTOM
TOP OF POND=4948.614
BOTTOM=4936.00
3:1 SLOPE MAX.
REQUIRED POND CAPACITY=9.19 AC.FT.
PROVIDED POND CAPACITY=10.00 AC. FT.
100 YEAR 24 HOUR STORAGE VOLUME=4.39 AC. FT.
MAX. WSEL=4940.56

VALLE VISTA ELEMENTARY

EXISTING EMERGENCY SPILLWAY
FL=4946.61

FLOOD ZONE AH
BFE=4947.00

BUILD 1-6" DIA TYPE E SD MH
RIM=4944.50
18" RCP INV IN=4940.60
48" RCP INV IN=4938.57
48" RCP INV OUT=4938.47

BUILD SINGLE A INLET
PER COA STD DWG #2201, 2202
GRATE SHALL BE
MODIFIED GRATE DETAIL PER STD DWG #2220
SEE DETAIL THIS SHEET
TOP OF CURB=4944.89
FL=4944.22
GRATE=4943.99
FUTURE USE 18" RCP INV OUT=4941.08 (PLUG)
INTERIM 18" RCP INV OUT FROM BACK OF INLET TO INTERIM POND=4939.98

BUILD INTERIM RETENTION POND C
TOP=4944.23
BOTTOM=4939.50 - 39.27
18" RCP INV FROM INLET=4939.73
REQUIRED VOLUME=0.253 AC. FT
PROPOSED VOLUME @ 4944.23=0.572 AC. FT
MAX. WSEL 4943.15=0.301 AC. FT

BUILD 1-6" DIA TYPE E SD MH
RIM=4944.47
18" RCP INV IN=4939.15 (2)
30" RCP INV OUT=4939.12

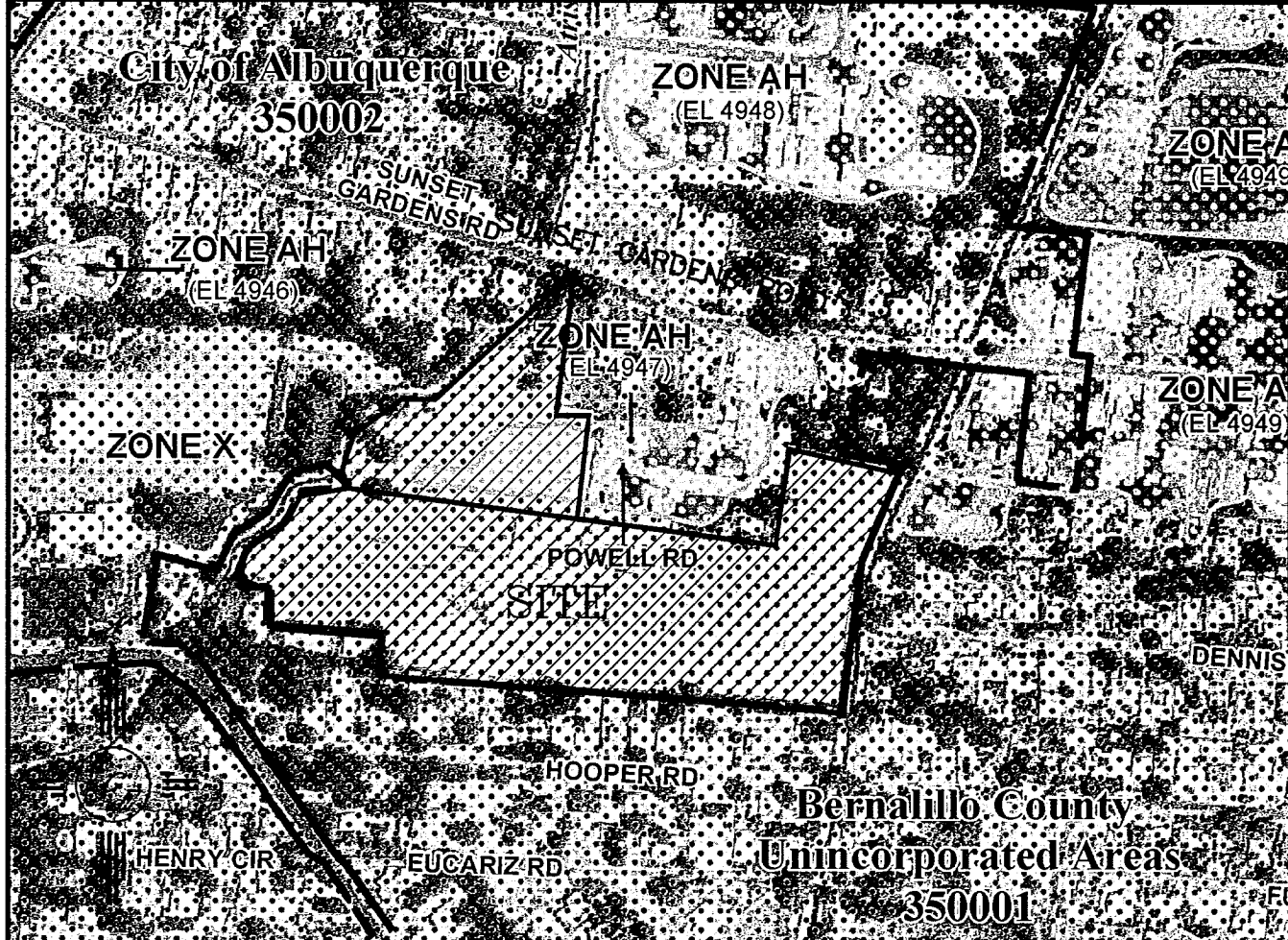
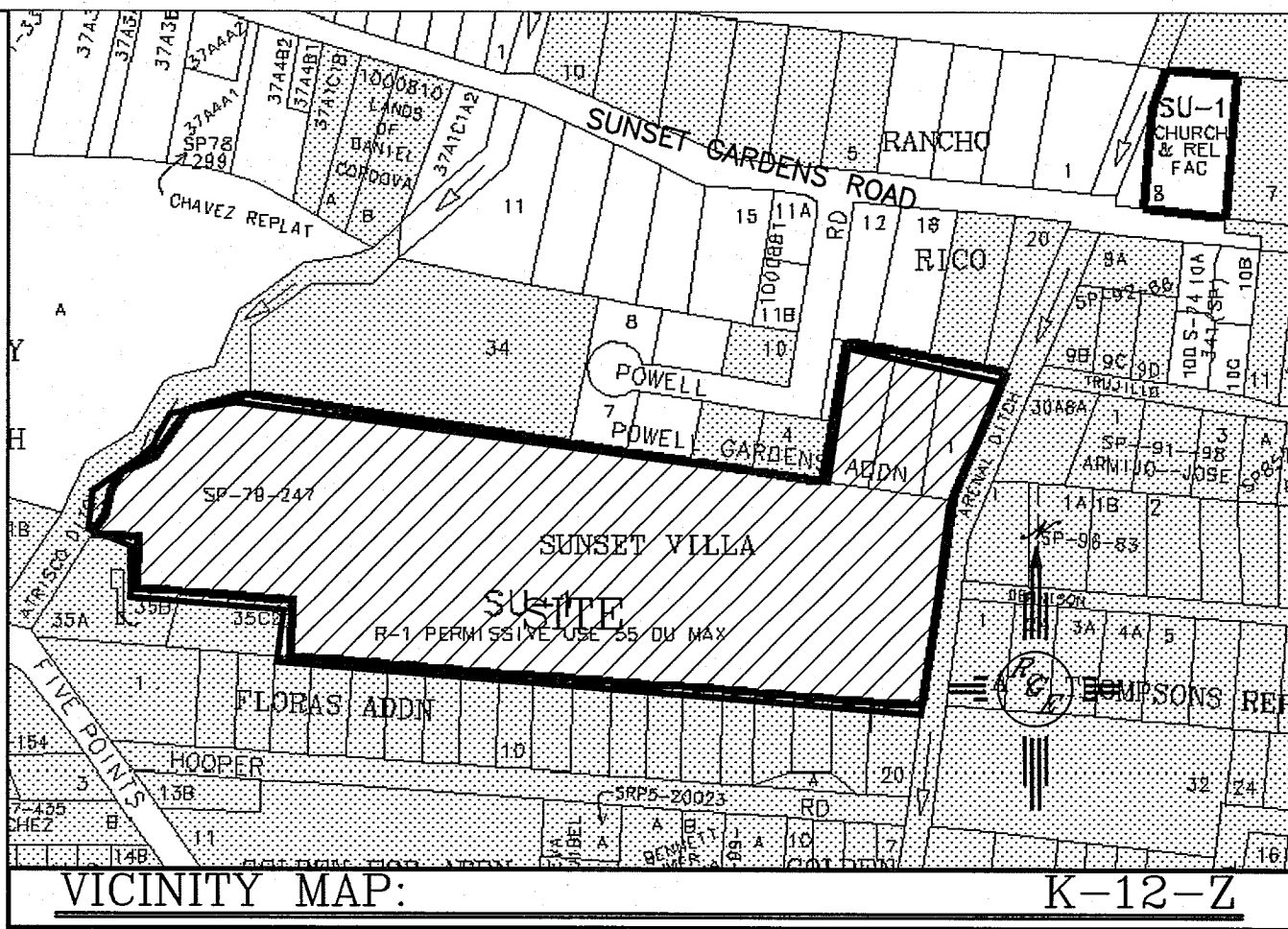
BUILD 1-6" DIA TYPE E SD MH
RIM=4944.47
36" RCP INV IN=4939.04
30" RCP INV IN=4939.04
48" RCP INV OUT=4938.94

BUILD 1-4" DIA TYPE E SD MH
RIM=4945.14
36" RCP INV IN=4939.36
36" RCP INV OUT=4939.33

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'NM 45-4A 1983'.
NAD 83 Position

Date: 11-2-83
Projection: New Mexico State Plane
Zone: Central
Latitude: 35 - 4 - 4.23358
Longitude: 106 - 42 - 4.21018
Ground to Grid Factor: 0.999665359
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NAD 1983 Elevation
Datum: NAD 1983
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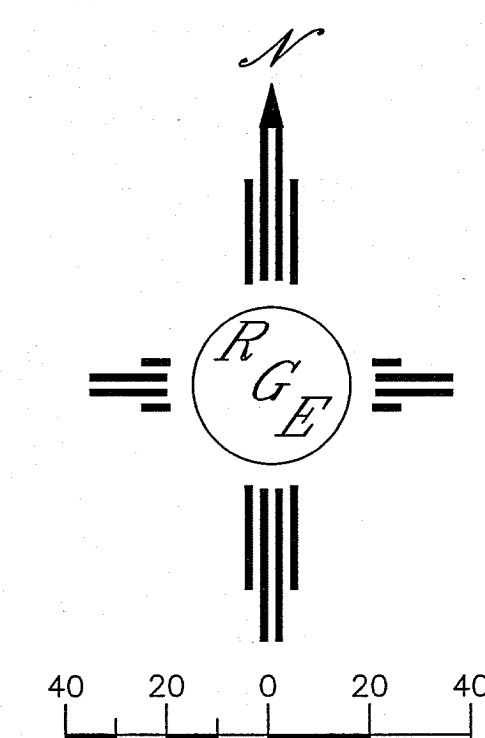


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ENGINEER'S SEAL 	SUNSET VILLA	DRAWN BY WCWJ
	GRADING AND DRAINAGE PLAN	DATE 3-17-16
	Rio Grande Engineering 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	21401-LAYOUT-1-06-13
	DAVID SOULE P.E. #14522	SHEET # 6 OF 25 JOB # 21401



SCALE: 1"=40'
*-FOR INFORMATION ONLY