CITY OF ALBUQUERQUE

Richard J. Berry, Mayor

PO Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

January 22, 2015

Diane Hoelzer, P.E.
Mark Goodwin & Associates, P.A.
P.O. Box 90606
Albuquerque, NM, 87199

RE: Anderson Heights unit 4A – Memorial Park
Grading Plan for Park and Pond #1 Realignment
Stamp Date 12-29-2015 (File: N08D006F1)

Dear Ms. Hoelzer:

Based upon the information provided in your submittal received 12/29/2015, the above referenced Plan is approved for Grading Permit.

Please ensure to coordinate an approved Erosion and Sediment Control Plan with the City's Stormwater Quality Engineer, Curtis Cherne (924-3420), prior to <u>any</u> earthwork.

If you have any questions, you can contact me at 924-3986.

Sincerely,

Abiel Carrillo, P.E.
Principal Engineer, Planning Dept.
Development Review Services

Orig: Drainage file

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title: Anderson Heights Unit 4A- ---MEMORIAL PARK Building Permit #: ____ City Drainage #: N8 / D3 ??

DRB#: 1002739 EPC#: ____ Work Order#: ____

Legal Description: Parcels 4 and 6, Anderson Heights Unit 1, Anderson Heights Unit 9

City Address: 118th street and Amole Mesa Avenue

Engineering Firm: MARK GOODWIN AND ASSOCIATES, PA Contact: Diane Hoelzer, PE

Address: PO BOX 90606, ABQ, NM 87199

Phone#: 828-2200 Fax#: ____ E-mail: diane@goodwinengineers.com

Owner: KB Homes Contact: Morris Barbera or Bo Johnson

Address: 7807 E.Peakview Avenue, Ste. 300, Centennial, Colorado, 80111

Phone#: (303)908-0575 or (505)450-4616 Fax#: ____ E-mail: ____

Architect: ____ Contact: ____

Address: ____

Phone#: ____ Fax#: ____ E-mail: ____

Other Contact: ____ Contact: ____

Address: ____

Phone#: ____ Fax#: ____ E-mail: ____

Check all that Apply:

DEPARTMENT:

x HYDROLOGY/ DRAINAGE
____ TRAFFIC/ TRANSPORTATION
____ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

____ ENGINEER/ ARCHITECT CERTIFICATION

____ CONCEPTUAL G & D PLAN
X GRADING PLAN
____ DRAINAGE MASTER PLAN
____ DRAINAGE REPORT
____ CLOMR/LOMR

____ TRAFFIC CIRCULATION LAYOUT (TCL)
____ TRAFFIC IMPACT STUDY (TIS)
____ EROSION & SEDIMENT CONTROL PLAN (ESC)

X OTHER (SPECIFY) City Memorial Park

CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

____ BUILDING PERMIT APPROVAL
____ CERTIFICATE OF OCCUPANCY

____ PRELIMINARY PLAT APPROVAL
____ SITE PLAN FOR SUB'D APPROVAL
____ SITE PLAN FOR BLDG. PERMIT APPROVAL
____ FINAL PLAT APPROVAL
____ SIA/ RELEASE OF FINANCIAL GUARANTEE
____ FOUNDATION PERMIT APPROVAL
X GRADING PERMIT APPROVAL
____ SO-19 APPROVAL
____ PAVING PERMIT APPROVAL
____ GRADING/ PAD CERTIFICATION
____ WORK ORDER APPROVAL
____ CLOMR/LOMR

____ PRE-DESIGN MEETING
____ OTHER (SPECIFY) ____

IS THIS A RESUBMITTAL?: ____ Yes x No

DATE SUBMITTED: December 29, 2015 By: Diane Hoelzer, PE

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: ___

dmg
D. Mark Goodwin & Associates, P.A.
Consulting Engineers
P.O. BOX 90606, ALBUQUERQUE,NM 87199
(505) 828-2200 FAX 797-9539

December 29, 2015

Hydrology Division, Planning Dept.
Development and Building Services
City of Albuquerque
PO Box 1293
Albuquerque, NM 87103

Re: Anderson Heights Memorial Park Grading and Drainage Plan
Revised Engineers stamp date 12-11-15 (N 08 / D 3 ?)

This grading and drainage plan is being submitted for approval of rough grading the site.

The 2 acre Memorial Park is part of the larger Anderson Heights Unit 4A subdivision that was most recently approved by DRB for Preliminary Plat on May 6, 2015. Prior to this date, the site had a preliminary plat approved under the name of Anderson Heights Unit 4, 6, and 9 and the site was rough graded under the previous layout and then later was graded again in accordance with an approved Interim Grading and Drainage Plan dated 8-21-08. This interim plan encompassed 10 temporary retention ponds as shown on the attached exhibit that were to contain the 100 year 6 hour storm event.

In memory of the women that were murdered in the area near what is now Pond #1, a 2 acre Memorial Park is being dedicated by KB Home to the City. In accordance with an existing agreement between the City Council and KB Home, the City has requested the Park be dedicated, graded and partly developed in the near future.

This grading and drainage plan is being submitted for approval in order to meet that obligation. As the grading and drainage plan shows, the existing Pond #1 will be relocated south of the proposed park site. The revised pond will have more than double the required capacity to retain the 100 year 6 hour storm event.

Please call me if you have any questions.

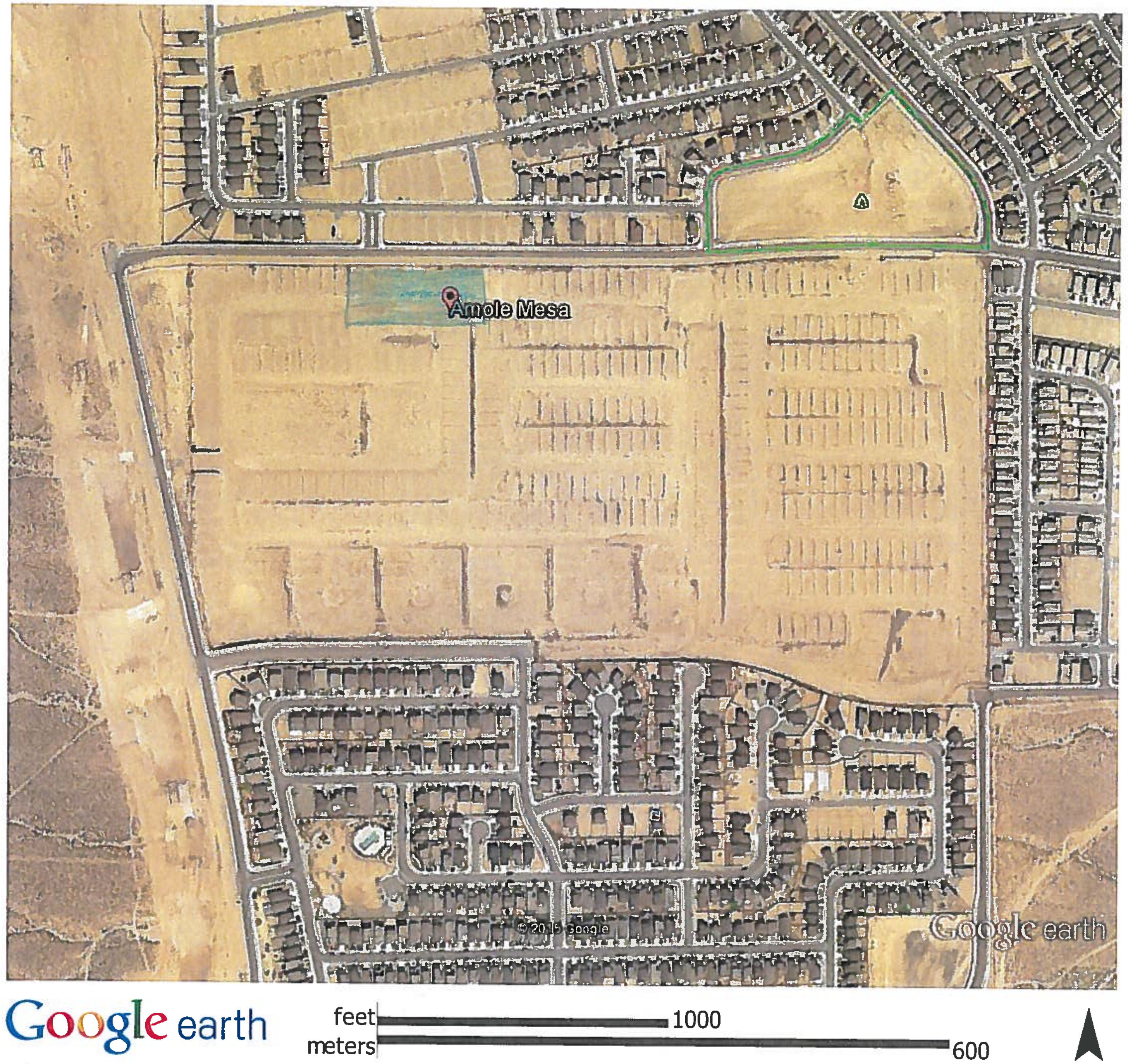
Sincerely,

MARK GOODWIN & ASSOCIATES, P.A.

Diane Hoelzer

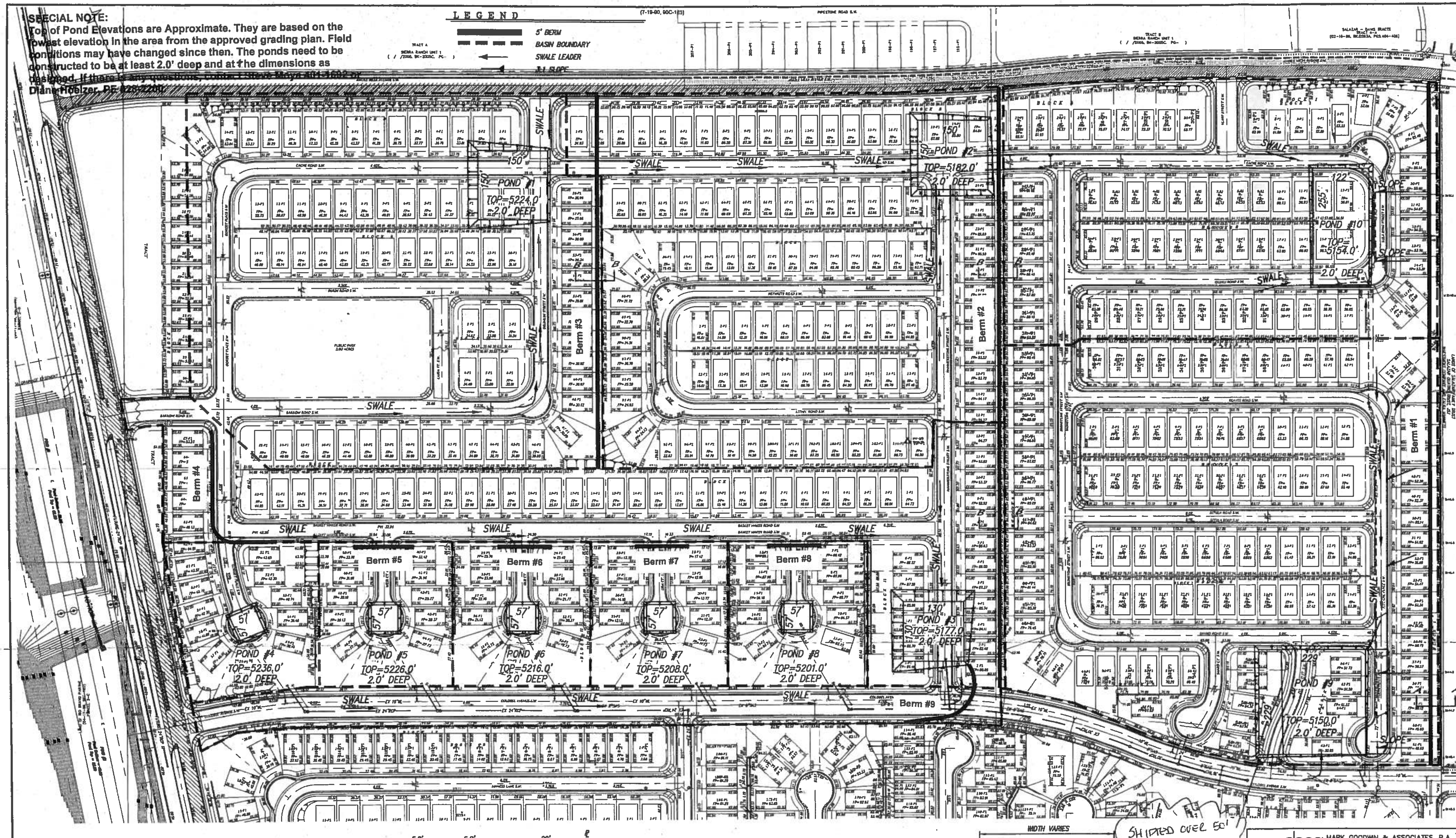
Diane Hoelzer, PE
Senior Engineer

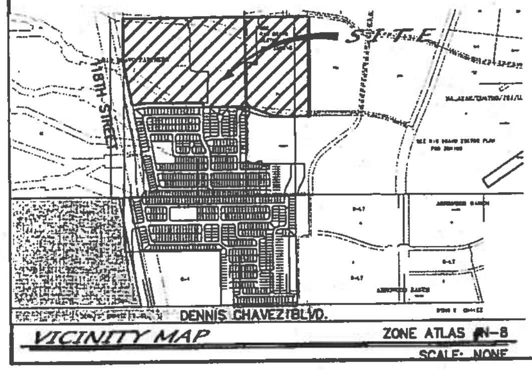
DLH/dlh
f:\\003080 \Anderson Heights Memorial Park \ A003080 Hydro_ltr.docx


Amole Mesa
© 2015 Google
Google earth
Google earth
feet
1000
meters
600

SPECIAL NOTE:
Top of Pond Elevations are Approximate. They are based on the lowest elevation in the area from the approved grading plan. Field conditions may have changed since then. The ponds need to be constructed to be at least 2.0' deep and at the dimensions as designed. If there is any questions, contact Steve Moya 401-1692 or Diane Hoelzer, PE 828-2200.

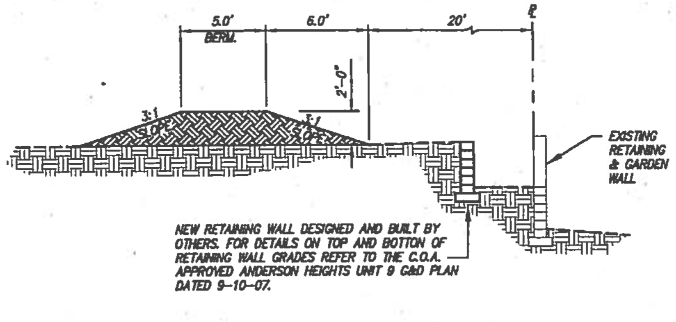
LEGEND
- ▬ 5' BERM
- ╍ BASIN BOUNDARY
- ← SWALE LEADER
- 3:1 SLOPE





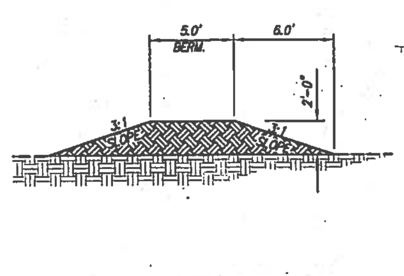
VICINITY MAP

ZONE ATLAS N-8
SCALE: NONE

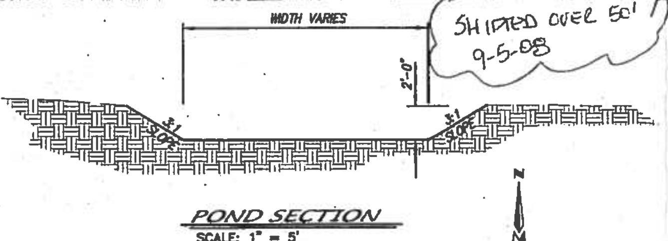


NEW RETAINING WALL DESIGNED AND BUILT BY OTHERS. FOR DETAILS ON TOP AND BOTTOM OF RETAINING WALL GRADES REFER TO THE C.O.A. APPROVED ANDERSON HEIGHTS UNIT 9 G&D PLAN DATED 9-10-07.

TYPICAL BERM SECTION A-A
SCALE: 1" = 5'



TYPICAL BERM SECTION B-B
SCALE: 1" = 5'



POND SECTION
SCALE: 1" = 5'

SHIFTED OVER 50'
9-5-08

100 50 0 100' 200'
SCALE: 1" = 100'

A6065 ANDERSON HEIGHTS 4 & 6\GRADING & DRAINAGE PLAN\A6065-GD-EXHIBIT.dwg\8/21/2008\RFH

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE:
INTERIM
GRADING AND DRAINAGE PLAN
ANDERSON HEIGHTS - UNITS 4 6 & 9

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
	N-8	1	1

AS BUILT REVISIONS.

ENGINEER'S SEAL

DIANE HOELZER
NEW MEXICO
11887
8-21-08

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY	GJK	DATE	05/07
DRAWN BY	DER	DATE	05/07
CHECKED BY	DMG	DATE	05/07

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE

BENCH MARKS

STATION "3-P10" IS LOCATED 5.9 MI. SW OF DOWNTOWN ALBUQUERQUE TO REACH STATION FROM INT. OF COORS AND DENNIS CHAVEZ BLVD. (FORMERLY RIO BRAVO), GO S. ON COORS BLVD. 0.62 MI. TO THE STATION WHICH IS ON AN EARTHEN BERM 162.2; WEST OF THE CENTERLINE OF COORS BLVD. THE STATION IS A STANDARD ACS 3 1/4" ALUMINUM CAP RIVITTED TO A PIPE 0.25' ABOVE THE GROUND AND IS STAMPED "3-P10, 1998".
X=380733.56, Y=1462437.48 (NAD 27), ELEV=4935.735 (SLD 29)

AS BUILT INFORMATION

CONTRACTOR	
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

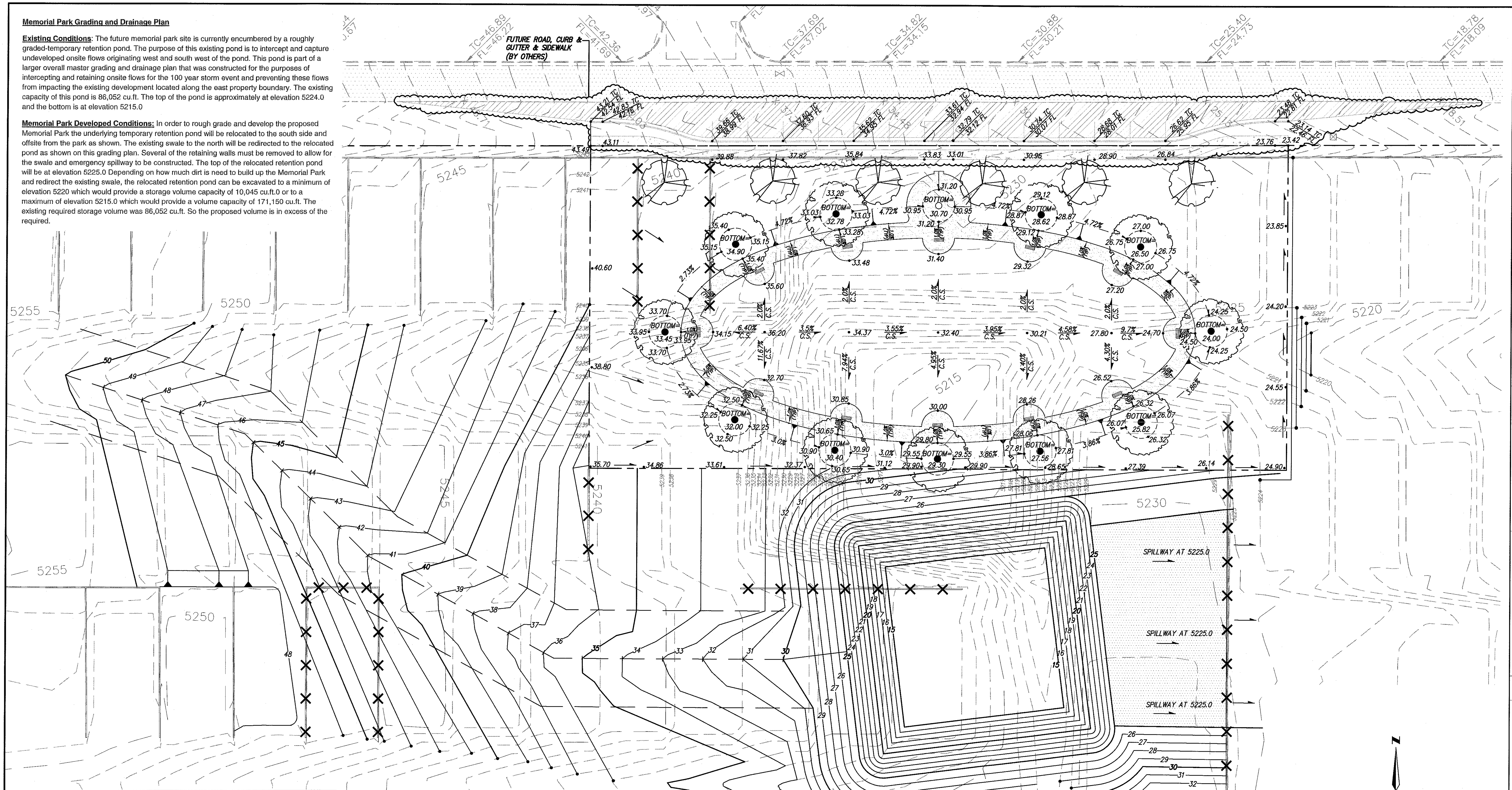
MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

Memorial Park Grading and Drainage Plan

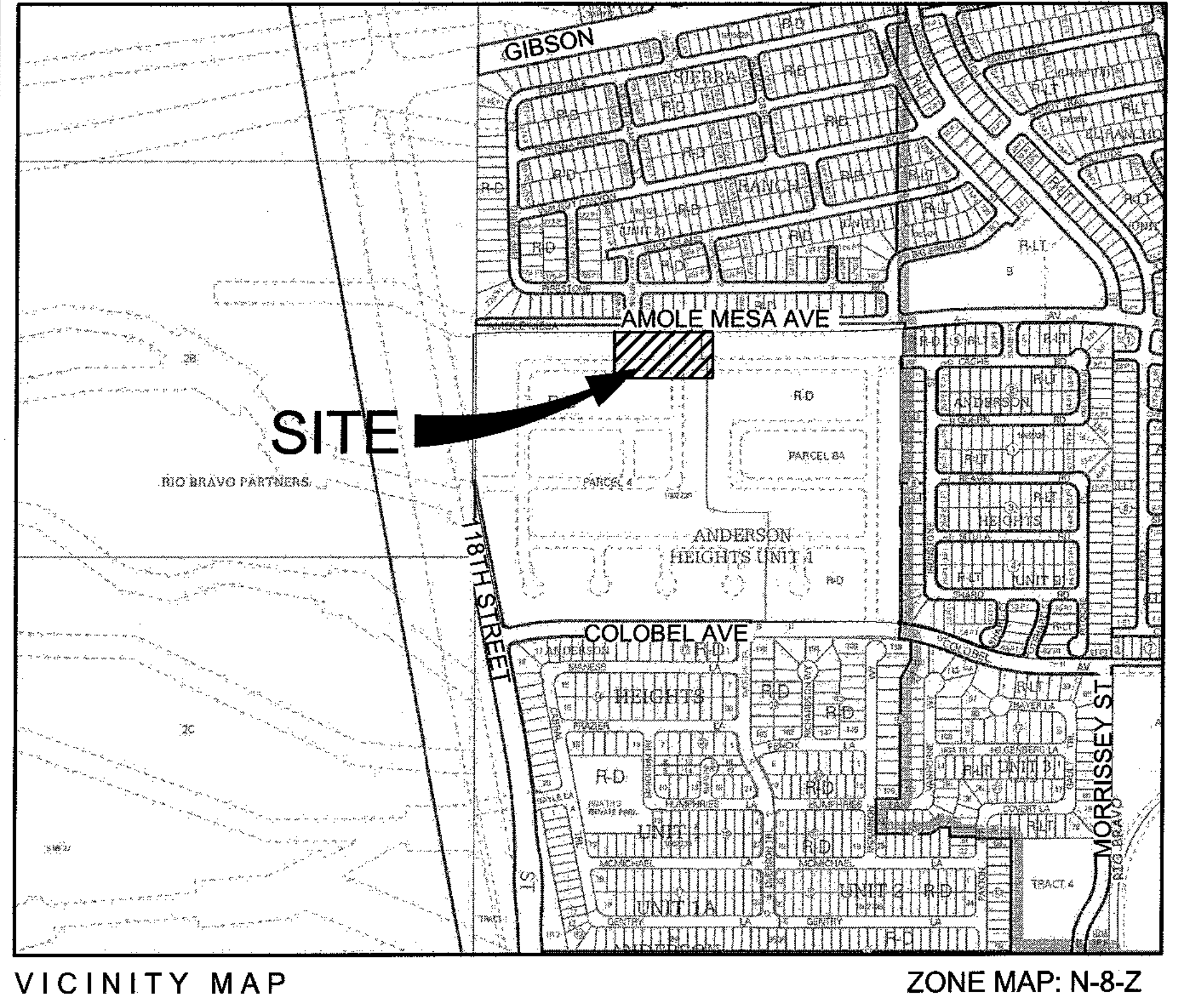
Existing Conditions: The future memorial park site is currently encumbered by a roughly graded-temporary retention pond. The purpose of this existing pond is to intercept and capture undeveloped onsite flows originating west and south west of the pond. This pond is part of a larger overall master grading and drainage plan that was constructed for the purposes of intercepting and retaining onsite flows for the 100 year storm event and preventing these flows from impacting the existing development located along the east property boundary. The existing capacity of this pond is 86,052 cu.ft. The top of the pond is approximately at elevation 5224.0 and the bottom is at elevation 5215.0

Memorial Park Developed Conditions: In order to rough grade and develop the proposed Memorial Park the underlying temporary retention pond will be relocated to the south side and offsite from the park as shown. The existing swale to the north will be redirected to the relocated pond as shown on this grading plan. Several of the retaining walls must be removed to allow for the swale and emergency spillway to be constructed. The top of the relocated retention pond will be at elevation 5225.0 Depending on how much dirt is need to build up the Memorial Park and redirect the existing swale, the relocated retention pond can be excavated to a minimum of elevation 5220 which would provide a storage volume capacity of 10,045 cu.ft.0 or to a maximum of elevation 5215.0 which would provide a volume capacity of 171,150 cu.ft. The existing required storage volume was 86,052 cu.ft. So the proposed volume is in excess of the required.



30' 15' 0 30' 60'

SCALE: 1" = 30'



VICINITY MAP

ZONE MAP: N-8-Z

LEGEND

5220	EXISTING CONTOUR (MAJOR)
	EXISTING CONTOUR (MINOR)
x 00.0	EXISTING SPOT ELEVATION
TC= FL=	EXISTING TOP CURB/FLOWLINE ELEVATION
⋈	EXISTING BOTTOM WALL EAST GROUND ELEV.
	EXISTING CURB & GUTTER
	EXISTING RETAINING WALL
✕ ✕ ✕	EXISTING RETAINING WALL TO BE REMOVED
	EXISTING ASPHALT PAVEMENT
	NEW TREES
	NEW SIDEWALK
• 81.77	NEW SPOT ELEVATIONS
30.74 TC 30.07 FL	NEW TOP CURB/FLOWLINE ELEVATION
←	NEW FLOW DIRECTION
▶—	NEW SLOPE
	NEW SWALE
30	NEW CONTOUR (MAJOR)
29	NEW CONTOUR (MINOR)
	FUTURE CURB & GUTTER
	FUTURE STRIPES
▨	FUTURE PAVEMENT
	FUTURE SIDEWALK

F: \A13JOBS\A13034 Anderson Heights, Unit 4\GRADE & DRAIN\A13034_GD_Memorial Park.dwg, Last saved by: Diane, 12/3/15

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: *ANDERSON HEIGHTS - MEMORIAL PARK*
GRADING & DRAINAGE PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
.	N-8/P-8	1	1

AS BUILT INFORMATION

CONTRACTOR	DATE
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

AGRS Brass Cap stamped "1–N8"
From the intersection of Unser Boulevard and Gibson Boulevard SW travel west on Gibson Boulevard 1.7 miles to a transmission power line running north–south; turn left on a dirt road and travel south 50 feet to the station on the right under the power line.
Geographic Position – NAD83 in feet
N.M. State Plane Coordinates (Central Zone)
N=1470741.879 E=1488701.820 G–G=0.999676466
Elevation – NAVD88 in feet = 5307.250

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

DIANE HOELZER 11987

12-29-15

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY	DLH	DATE	4/14
DRAWN BY	DER	DATE	4/14
CHECKED BY	DMG	DATE	4/14