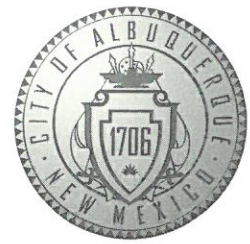


CITY OF ALBUQUERQUE



November 8, 2017

Diane Hoelzer, PE
Mark Goodwin & Associates, PA.
PO Box 90606
Albuquerque, NM 87110

**Re: AIS Circulation Bldg B
2400 12th St NW
Request Permanent C.O. - Accepted
Engineer's Stamp dated: 1/5/17 (H13D106)
Certification dated: 11/1/17**

Dear Ms. Hoelzer,

Based on the Certification received 11/7/2017, the above referenced certification is acceptable for permanent release of Certificate of Occupancy, by Hydrology.

PO Box 1293

Please note that the first flush pond walls near the double-D outlet structure (Area A2) are scouring and undercutting the parking lot. Hydrology recommends this undercutting be repaired and stabilized before more expensive replacement is required.

Albuquerque

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

NM 87103

Sincerely,

www.cabq.gov

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

C: email Serna, Yvette M.; Fox, Debi; Tena, Victoria C.; Sandoval, Darlene M.



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

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:** _____

Other Contact: _____ **Contact:** _____

Address: _____

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

Check all that Apply:

DEPARTMENT:

- ☐ HYDROLOGY/ DRAINAGE
☐ TRAFFIC/ TRANSPORTATION
☐ MS4/ EROSION & SEDIMENT CONTROL

TYPE OF SUBMITTAL:

- ☐ ENGINEER/ ARCHITECT CERTIFICATION
- ☐ CONCEPTUAL G & D PLAN
☐ GRADING PLAN
☐ DRAINAGE MASTER PLAN
☐ DRAINAGE REPORT
☐ CLOMR/LOMR
- ☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ TRAFFIC IMPACT STUDY (TIS)
☐ EROSION & SEDIMENT CONTROL PLAN (ESC)
- ☐ OTHER (SPECIFY) _____

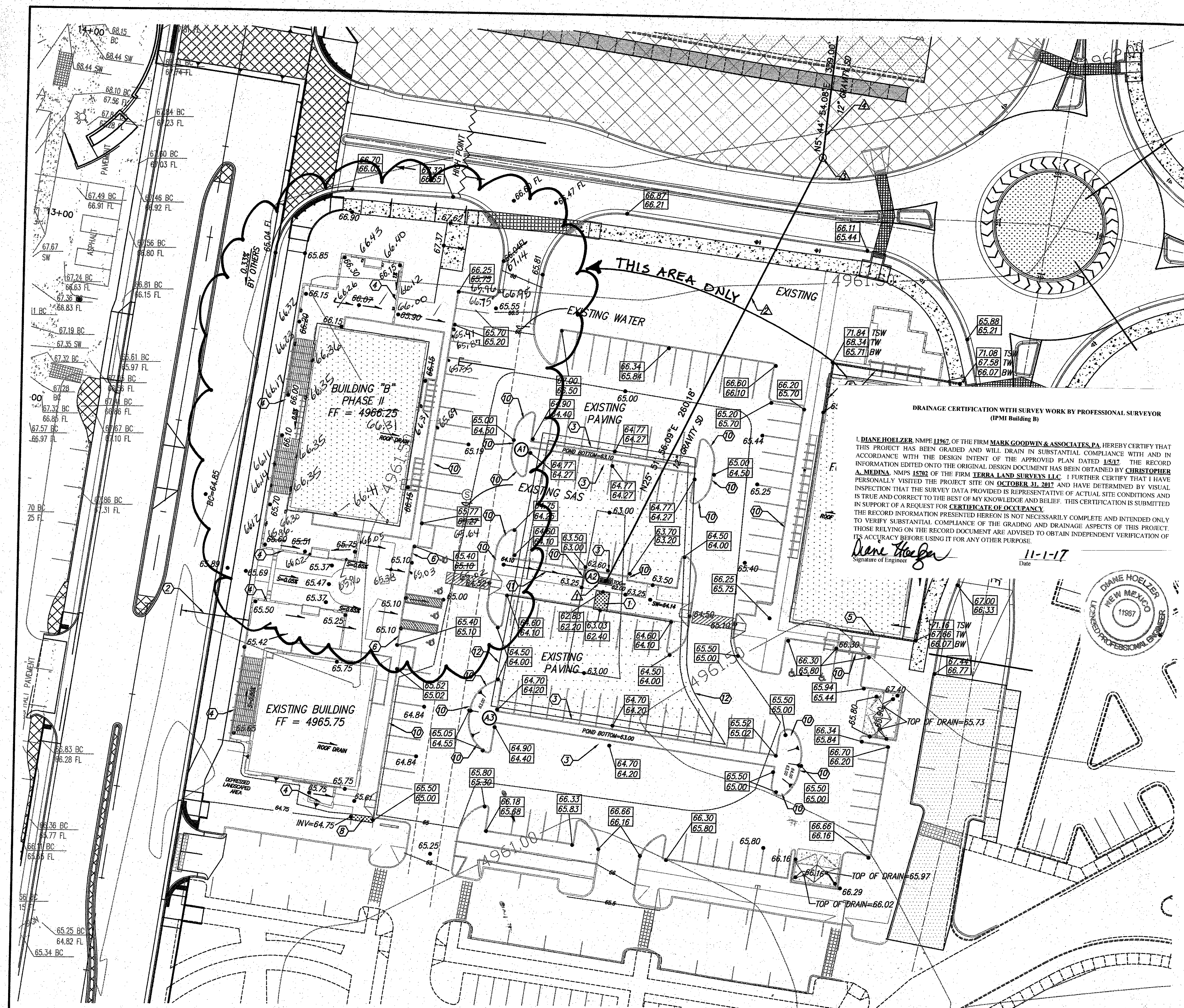
CHECK TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- ☐ 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
☐ 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 ☐ No

DATE SUBMITTED: _____ **By:** _____

COA STAFF: _____ ELECTRONIC SUBMITTAL RECEIVED: _____



DRAINAGE CERTIFICATION WITH SURVEY WORK BY PROFESSIONAL SURVEYOR
(IPMI Building B)

I, DIANE HOELZER, N.M.P.E. 11962, OF THE FIRM MARK GOODWIN & ASSOCIATES, P.A. HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 11/17/17. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY CHRISTOPHER A. MEDINA, N.M.P.S. 15202 OF THE FIRM TERRA LAND SURVEYS, L.L.C. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON OCTOBER 31, 2017 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR CERTIFICATE OF OCCUPANCY.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THE RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

Diane Hoelzer
Signature of Engineer

11-1-17
Date

- GENERAL NOTES**
1. SEE ARCHITECTURAL SITE PLAN FOR TRUE DIMENSIONS.
 2. CITY OF ALBUQUERQUE STANDARD DETAILS SHALL BE USED WHEN APPLICABLE.
 3. USE EXTRUDED CURB PER DETAIL EXCEPT WHERE NOTED.
 4. EXISTING CONTOURS ARE PROVIDED FOR REFERENCE ONLY. SITE HAS BEEN REGRADED SINCE TOPOGRAPHY WAS COMPLETE.

- KEYED NOTES**
1. 6" SIDEWALK CULVERT PER COA STANDARD DRAWING 2236
 2. FUTURE SIDEWALK IMPROVEMENTS BY CITY OF ALBUQUERQUE PROJECT. SEE ARCHITECTURAL SITE PLAN.
 3. CURB CUTS PER DETAIL ALONG LENGTH OF CURB
 4. GARDEN / RETAINING WALL. DESIGN BY OTHERS.
 5. GARDEN / RETAINING WALL. DESIGN BY OTHERS. IF WALL IS NOT TO BE CONSTRUCTED UNTIL FUTURE BUILDING IS BUILT, GRADE SLOPES AT 3:1 MAX FROM EXISTING SIDEWALK TO FUTURE PAD ELEVATION.
 6. TRANSITION CURB FROM 6" TO NO CURB. INSTALL CURB STOPS IN PARKING SPACES.
 7. TURNED DOWN SIDEWALK PER DETAIL THIS SHEET.
 8. 3" WIDE SIDEWALK CULVERT PER COA STANDARD DRAWING 2236. USED AS EMERGENCY SPILLWAY.
 9. REMOVE AND REPLACE SIDEWALK TO MATCH NEW GRADES
 10. SINGLE CURB CUT PER DETAIL
 11. CREATE DRAINAGE SWALE
 12. MWSL = 4964.11

FIRST FLUSH

THE "FIRST FLUSH" IS BEING ACCOMPLISHED THROUGH DEPRESSED AREAS WITHIN THE MEDIANS IN THE PARKING LOT.

REQUIRED VOLUME = $0.34' \times$ IMPERVIOUS AREA
= $0.34' / 12' \times (132,631 \text{ SF})$
= 3,757 CF

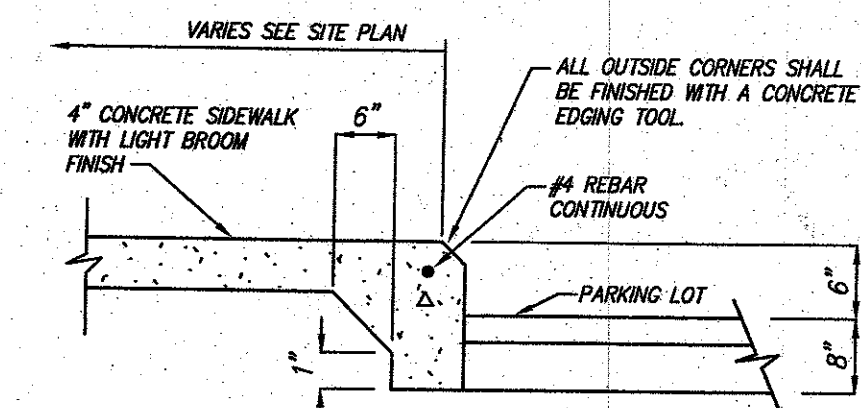
VOLUME PROVIDED = 3,920 CF

(A1) DEPTH = 14" (SEE DETAIL) POND BOTTOM = 63.00
AREA = 1161 SF
VOLUME = 1355 CF

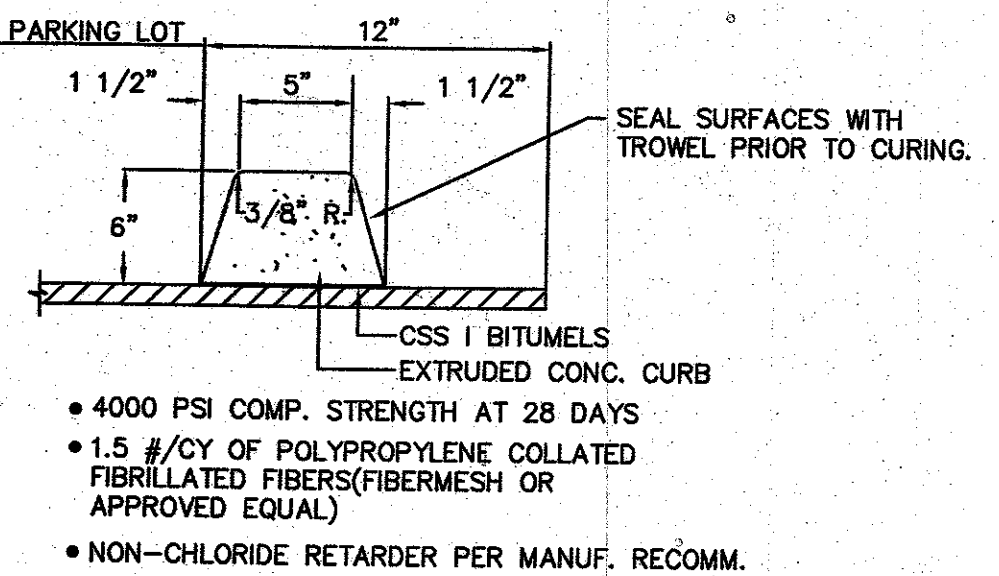
(A2) DEPTH = 3" (SEE DETAIL) POND BOTTOM = 61.75
AREA = 258 SF
VOLUME = 65 CF

(A3) DEPTH = 14.4" (SEE DETAIL) POND BOTTOM = 63.00
AREA = 2228 SF
VOLUME = 2500 CF

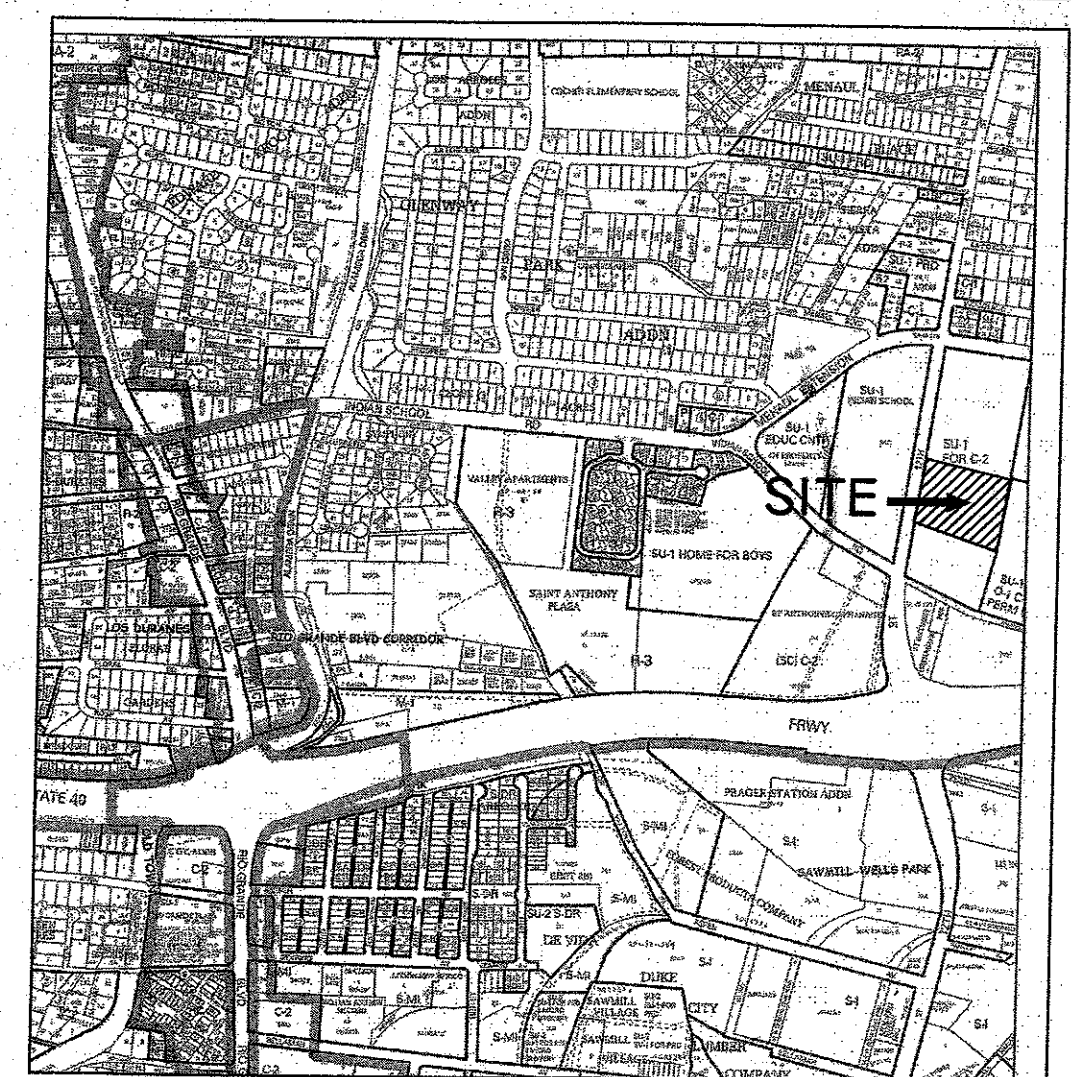
- STORM DRAIN NOTES**
- NEW TYPE DOUBLE "D" SD INLET PER COA DETAIL 2206 IN SUMP CONDITION
GRADE = 4962.00'
INVERT = 4959.00'
 - NEW 12" GRAVITY MAIN SDR PVC 35
LENGTH = 250'
SLOPE = 1.00%
 - NEW 4" DIA SD MH
RIM = 4968.50
INV(S) = 4956.40
INV(N) = 4956.30
 - NEW 12" GRAVITY MAIN SDR PVC 35
LENGTH = 339.00'
SLOPE = 0.9%
END INVERT = 4953.30'



TURNED DOWN SIDEWALK DETAIL
N.T.S.



EXTRUDED CURB
N.T.S.



VICINITY MAP ZONE ATLAS H-13-Z

TRACT A
RETAIL SITE
PROJECTED SECTIONS 7 & 8, T.10 N., R. 3 E., N.M.P.M.
TOWN OF ALBUQUERQUE GRANT
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO

BENCHMARK

SEE PLAT FOR BASIS OF BEARINGS AND SITE BENCHMARKS

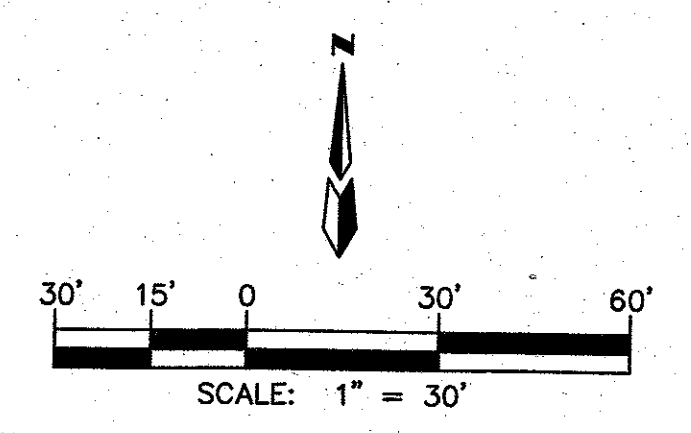
LEGAL DESCRIPTION

TRACT "A" OF THE PLAT FOR THE UNITED STATES BUREAU OF LAND MANAGEMENT SURVEY OF TOWN OF ALBUQUERQUE GRANT, PROJECTED SECTIONS 7 AND 8 TOWNSHIP 10 NORTH, RANGE 3 EAST NEW MEXICO PRINCIPAL MERIDIAN, DATED AUGUST 12, 2011.

SHEET INDEX

C1 SITE GRADING AND DRAINAGE PLAN - SITE SPECIFIC FOR PHASE 4
C2 OVERALL HYDROLOGY AND STORM DRAIN DESIGN
C3 SITE UTILITY PLAN
C4 OVERALL UTILITY EASEMENTS

- LEGEND**
- PROPERTY LINE
 - EXISTING CONTOUR
 - EXISTING SPOT ELEVATION
 - EXISTING SPOT ELEVATION
 - PROPOSED TOP OF CURB ELEVATION
 - PROPOSED FLOW LINE ELEVATION
 - PROPOSED TOP OF SCREEN WALL
 - PROPOSED TOP OF WALL
 - PROPOSED BOTTOM OF WALL
 - PROPOSED SPOT ELEVATION
 - DIRECTION OF FLOW
 - PROPOSED SWALE
 - POND ELEVATIONS
 - PROPOSED 3:1 SLOPE
 - GARDEN/RETAINING WALL



**IPMI BUILDING B
GRADING & DRAINAGE PLAN**

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

Designed: DLH Drawn: KMK Checked: DMG
Scale: SEE SCALE Date: 11/14/16 Job: A12041 Sheet **C1**