

CITY OF ALBUQUERQUE



August 31, 2006

Mr. Scott Eddings, PE
HUITT-ZOLLARS, INC.
333 Rio Rancho Blvd.
Rio Rancho, NM 87124

Re: WEST BANDELIER POOL AND COMMON AREA
5101 McMahon Blvd. NW
Approval of Permanent Certificate of Occupancy (C.O.)
Engineer's Stamp dated 05/25/2006 (A-12/D18)
Certification dated 08/28/2006

Dear Scott,

P.O. Box 1203

Based upon the information provided in your submittal received 08/29/2006, the above referenced certification is approved for release of Permanent Certificate of Occupancy by Hydrology.

Albuquerque

If you have any questions, you can contact me at 924-3982.

New Mexico 87103

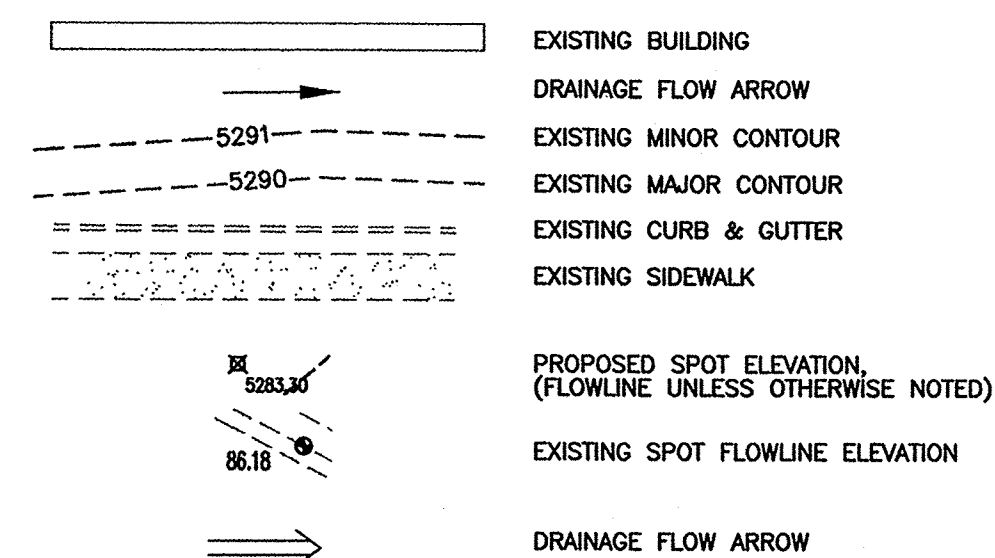
www.ci.albuquerque.nm.us

Sincerely,

Arlene V. Portillo
Plan Checker, Planning Dept. - Hydrology
Development and Building Services

C: C.O. Clerk
File

LEGEND



GENERAL NOTES

1. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AS SOON AS POSSIBLE TO RESOLVE THE CONFLICT WITH A MINIMUM AMOUNT OF DELAY.
2. ALL WORK ON THIS PLAN SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
3. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE LOCATION ONLY, AND LINES MAY EXIST WHERE NONE ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE UTILITY OWNER OR FROM EXISTING PLANS, AND THIS INFORMATION MAY BE INCOMPLETE, OR OBSOLETE AT THE TIME OF CONSTRUCTION. THE ENGINEER HAS NOT UNDERTAKEN ANY FIELD VERIFICATION OF THESE LOCATIONS, LINE SIZES OR MATERIAL TYPE. MAKES NO REPRESENTATION THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND INSTALLATION IN OR NEAR THE AREA IN ADVANCE OF AND DURING ANY EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES AND UNDERGROUND FACILITIES. IN PLANNING AND CONDUCTING EXCAVATIONS, THE CONTRACTOR SHALL COMPLY WITH ALL STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
4. THE CONTRACTOR SHALL INSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND BY WETTING THE SOIL TO KEEP IT FROM BLOWING.
5. THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE COMPLETION OF THE WORK PRIOR TO BEGINNING CONSTRUCTION.

CALCULATIONS

THE FOLLOWING CALCULATIONS WERE DEVELOPED USING THE CITY OF ALBUQUERQUE DPM SECTION 22.2

SITE CHARACTERISTICS:

SITE LOCATION: ZONE 1
 PRECIPITATION: 360 = 2.20 inches
 1440 = 2.66 inches
 10 DAY = 3.67 inches
 TOTAL AREA = 0.06 acre

LAND TREATMENT:

UNCOMPACTED SOIL - TREATMENT A
 LANDSCAPE - TREATMENT B
 COMPACTED SOIL - TREATMENT C
 BUILDINGS & PAVING - TREATMENT D

EXCESS PRECIPITATION:

TREATMENT A E = 0.44 inches
 TREATMENT B E = 0.67 inches
 TREATMENT C E = 0.99 inches
 TREATMENT D E = 1.97 inches

PEAK DISCHARGE:

TREATMENT A = 1.29 cfs/acre
 TREATMENT B = 2.03 cfs/acre
 TREATMENT C = 2.87 cfs/acre
 TREATMENT D = 4.37 cfs/acre
 TOTAL AREA = 0.06 AC.

EXISTING
 TREATMENT A = 0.00 AC. = 0.0%
 TREATMENT B = 0.00 AC. = 0.0%
 TREATMENT C = 0.06 AC. = 100%
 TREATMENT D = 0.00 AC. = 0.0%

PROPOSED
 0.00 AC. = 0.0%
 0.00 AC. = 0.0%
 0.00 AC. = 0.0%
 0.06 AC. = 100%

EXISTING EXCESS PRECIPITATION

WEIGHTED $E = [(0.44)(0.00) + (0.67)(0.00) + (0.99)(0.06) + (1.97)(0.00)] / 0.06$ ac
 = 0.99 inches

V100-360 = $[(0.99)(0.06)] / 12 = 0.004538$ acre ft = 198 cf

EXISTING PEAK DISCHARGE:

Q100 = $(1.29)(0.00) + (2.03)(0.00) + (2.87)(0.06) + (4.37)(0.00) = 0.16$ cfs

PROPOSED EXCESS PRECIPITATION

WEIGHTED $E = [(0.44)(0.00) + (0.67)(0.00) + (0.99)(0.00) + (1.97)(0.06)] / 0.06$ ac
 = 1.97 inches

V100-360 = $[(1.97)(0.06)] / 12 = 0.009029$ acre ft = 393 cf

V100-1440 = $[(0.01 + 0.06) \times (2.66 - 2.20)] / 12 = 0.11138$ acre ft = 485 cf

V100-10 DAY = $[(0.01 + 0.06) \times (3.67 - 2.20)] / 12 = 0.015767$ acre ft = 687 cf

PROPOSED PEAK DISCHARGE:

Q100 = $(1.29)(0.00) + (2.03)(0.00) + (2.87)(0.00) + (4.37)(0.06) = 0.24$ cfs

LEGAL DESCRIPTION

STONEBRIDGE SUBDIVISION PARCEL A
 CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
 7.186 ACRES MORE OR LESS.

BENCHMARK

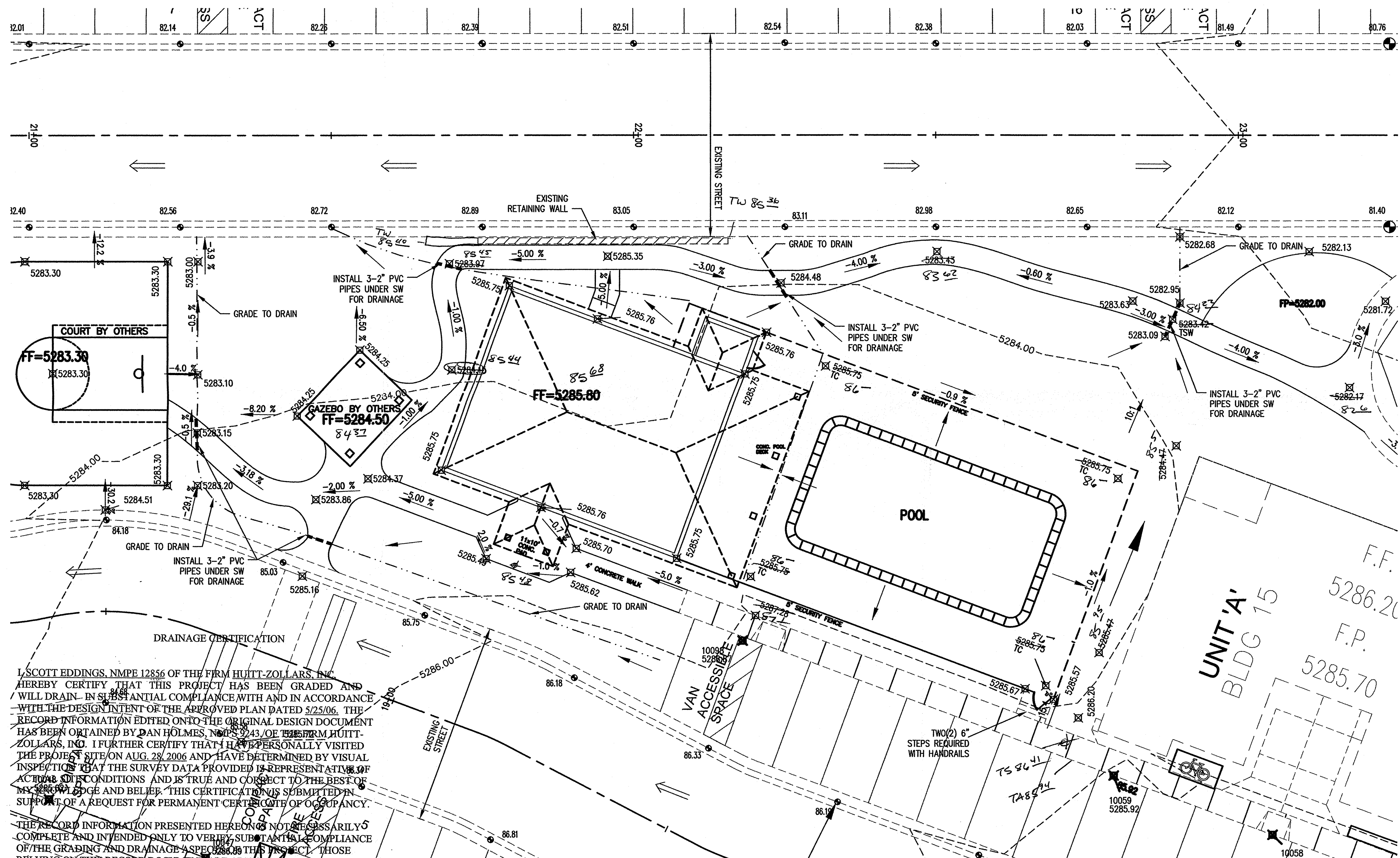
PROJECT BM: 60D NAIL W/ ALUMINUM DISK
 ELEV: 5292.88 (NGVD29)
 ACS MONUMENT "BLACK 2" (CENTRAL ZONE - NAD 27)
 ELEV: 5213.926 (NGVD29)

EXISTING CONDITIONS

THE PROJECT WAS APPROVED FOR BUILDING PERMIT ON 9/23/2006. THE APPROVED PROJECT IS NEARING COMPLETION.

PROPOSED CONDITIONS

THE SITE SHALL ACCOMMODATE A NEW CLUBHOUSE. THE GRADING PLAN WAS CREATED IN ACCORDANCE WITH THE APPROVED DRAINAGE REPORT "DRAINAGE STUDY FOR THE STONEBRIDGE SUBDIVISION PARCELS A & B" DATED NOVEMBER 16, 2004 WHICH ALLOWS FOR DIRECT DISCHARGE. THE SITE SHALL RELEASE 18.8 CFS ONTO BANDELIER DR. VIA THE LOOP ROAD AND 3.98 CFS ONTO TOURMALINE VIA AN ASPHALT SWALE.



I, SCOTT EDDINGS, NMPE 12856 OF THE FIRM HUITT-ZOLLARS, INC. 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 5/25/06. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY DAN HOLMES, NMPE 8243, OF THE FIRM HUITT-ZOLLARS, INC. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON AUG. 28, 2006 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 PERMANENT 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 THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

SCOTT EDDINGS
 NMPE 12856

DATE 8/28/06



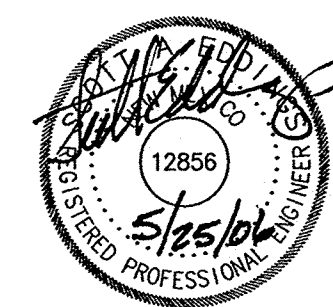
NO.	REVISION	DATE

Designed by
HUITT-ZOLLARS
 2200 Rio Rancho Drive NE, Suite 201
 Rio Rancho, New Mexico 87124
 Phone (505) 882-5941 Fax (505) 882-3259

Designed for
THOM JOSEPH

POOL/Common Area Grading Plan

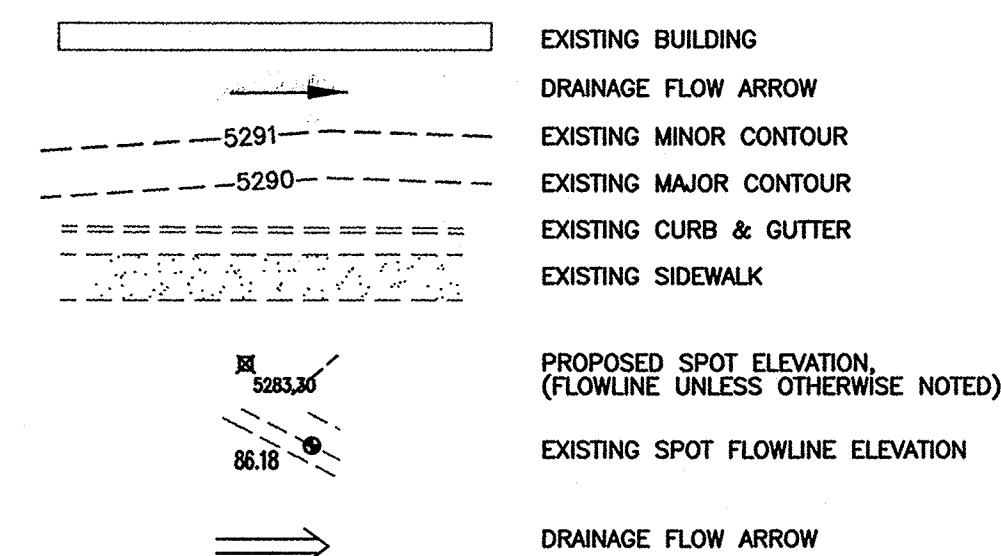
BANDALIER WEST
 NE CORNER OF BANDELIER & McMAHON



DATE: MAY 25, 2006
 DRAWN: MP
 DESIGNED: MP
 CHECKED: SE
 PROJ. NO: 17-0538-01

SHEET: 1

LEGEND



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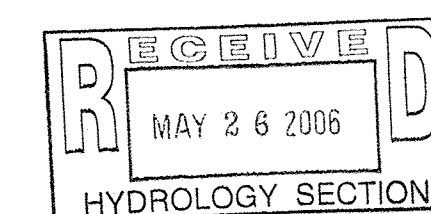
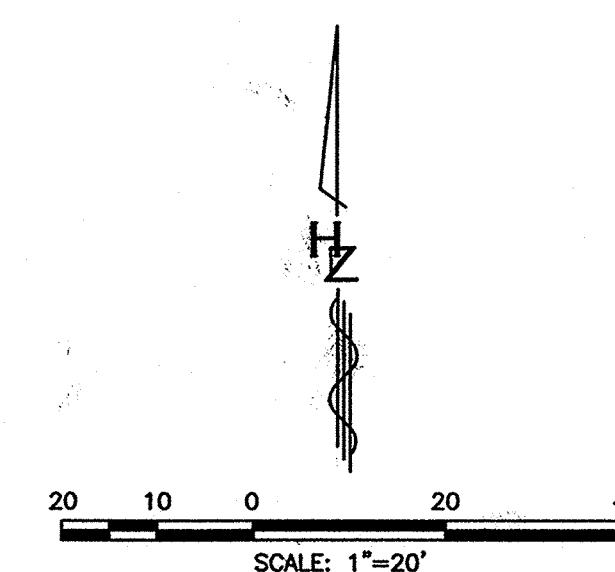
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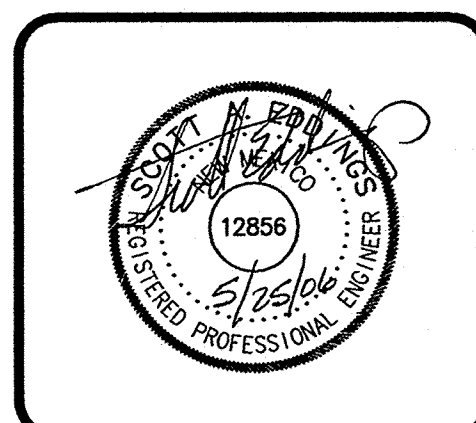


DATE	REVISION	NO.

Designed By
HUITT-ZOLIARS
Huitt-Zoliars Inc.
888 Rio Rancho Drive NE, Suite 201
Rio Rancho, New Mexico 87124
Phone (505) 892-5141 Fax (505) 892-3259
Designed For
THOM JOSEPH

POOL/COMMON AREA GRADING PLAN

BANDALIER WEST
NE CORNER OF BANDELLER & McMAHON



DATE: MAY 25, 2006
DRAWN: MP
DESIGNED: MP
CHECKED: SE
PROJ. NO.: 17-0538-01

SHEET: 1