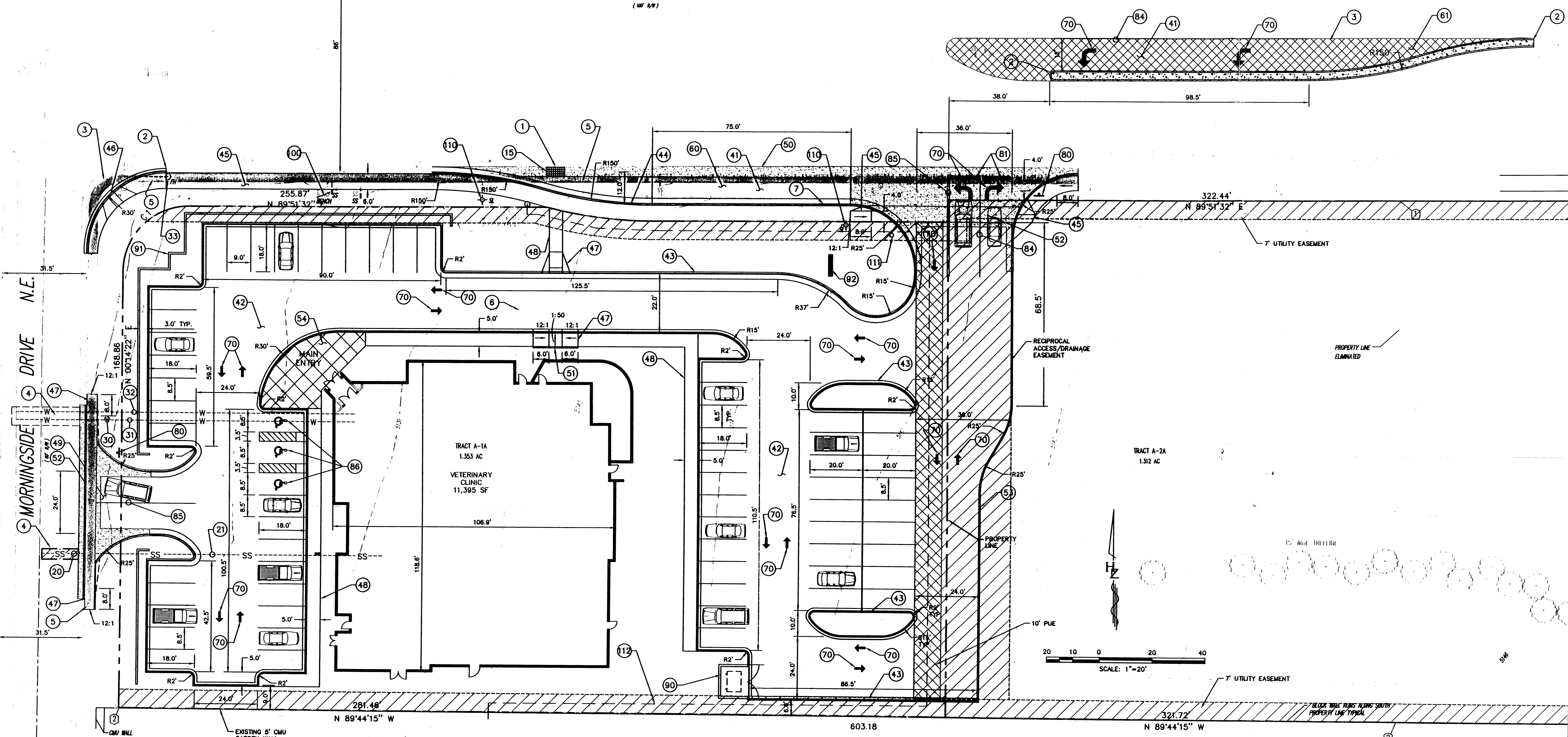


MONTGOMERY BOULEVARD NE

(10' 1/2")



LEGAL DESCRIPTION

A parcel of land being all of Tracts A-1 and A-2 of the Vol-Andia Addition within Section 2, Township 10 North, Range 3 East, New Mexico Principal Meridian, recorded on January 2, 1980 in Volume C16, Folio 35), City of Albuquerque, Bernalillo County, New Mexico. Parcel contains 2.7085, more or less.

PROJECT BENCHMARK

CHISELED "X" IN TOP BACK OF CURB BEHIND FOUND DRILL HOLE ELEV. = 5134.57 ELEVATION TRANSFERRED FROM COA BRASS CAP "M-5A" HAVING ELEVATION 5154.46

BOUNDARY EVIDENCE: UNLESS OTHERWISE INDICATED:

- 1) Found No. 5 rebar w/ yellow plastic cap stamped PLS 10042
- 2) Found no. 4 rebar no cap w/ aluminum strip tag stamped PLS 10042

All property corners are set with a 5/8" x 24" rebar with yellow plastic cap stamped LS 9243. Items 1 and 2 on boundary had a brass tag stamped LS 9243 attached with tie wire.

KEY NOTES

DEMOLITION:

1. REMOVE TOP OF EXISTING STORM DRAIN INLET.
2. NEATLINE CUT. REMOVE SIDEWALK TO NEAREST JOINT.
3. REMOVE EXISTING CURB AND GUTTER.
4. NEATLINE CUT EXISTING PAVEMENTS AND CURB AND GUTTER FOR ACCESS TO UNDERGROUND UTILITIES.
5. EXISTING SIDEWALK TO BE REMOVED.
6. REMOVE EXISTING POWER LINE.

KEY NOTES (CONT.)

DRAINAGE:

15. NEW TOP ON EXISTING STORM INLET DOUBLE "D" COA STANDARD DRAWING 2206 WITH MODIFIED "V" GRATE.

SEWER:

20. NEW SEWER SERVICE LINE. COA STANDARD DRAWING 2125.
21. 4" PVC SEWER PIPE.

WATER:

30. NEW WATER METERED SERVICE LINE INSTALLATION COA STANDARD DRAWING 2362.
31. 1" SCHEDULE 80 PVC APPROX. 130 LF.
32. 6" C900 PVC APPROX. 130 LF.
33. RELOCATE EXISTING FIRE HYDRANT. COA STANDARD DRAWING 2340.

PAVING:

41. ARTERIAL ASPHALT CONCRETE 4". COA STANDARD DRAWING 2408.
42. RESIDENTIAL ASPHALT CONCRETE TYPE A 2".
43. MEDIAN CURB AND GUTTER. COA STANDARD DRAWING 2415.
44. STANDARD CURB & GUTTER. COA STANDARD DRAWING 2415.
45. SIDEWALK PAVING DETAILS COA STANDARD DRAWING 2430.
46. WHEEL CHAIR ACCESSIBLE RAMP TYPE I COA STANDARD DRAWING 2441.
47. WHEEL CHAIR ACCESSIBLE RAMP.
48. 5' SIDEWALK COA STANDARD DRAWING 2430.
49. 6' SIDEWALK COA STANDARD DRAWING 2430.

KEY NOTES (CONT.)

PAVING: (CONT.)

50. VALLEY GUTTER. COA STANDARD DETAIL 2420.
51. HEADER CURB. COA STANDARD DETAIL 2415.
52. 6" PATTERENED CONCRETE CROSSING.
53. ASPHALT CURB COA STANDARD DRAWING 2415.
54. CONCRETE PAVING.

TRAFFIC:

60. DECELERATION LANE 75' LENGTH.
61. RECONSTRUCT CENTER MEDIAN FOR LEFT TURN BAY.

TRAFFIC CIRCULATION:

70. DIRECTIONAL ARROWS.

TRAFFIC SIGNS/STRIPING:

80. STOP SIGN; R1-1-30.
81. 12" SOLID WHITE STOP BAR.
82. NOT USED.
83. NOT USED.
84. 4" SOLID WHITE PAVEMENT MARKING.
85. 2-4" SOLID YELLOW PAVEMENT MARKING.
86. INTERNATIONAL SYMBOL OF ACCESSIBILITY PAINTED SAFETY WHITE.

MISCELLANEOUS:

90. REFUSE CONTAINER WITH ENCLOSURE PER COA STD.
91. SPLIT FACE CMU WALL: HEIGHT = 3.0
92. MONUMENT SIGN

BUS STOP:

100. RELOCATE BENCH AND SIGNS.

ELECTRICAL:

110. RELOCATE EXISTING STREET LIGHT.
111. RELOCATE ELECTRIC RISER WITH METER.
112. NEW UNDERGROUND ELECTRIC CONDUIT

GENERAL INFORMATION

- | | |
|---|----|
| 1. NUMBER OF SPACES REQUIRED: | 57 |
| 2. NUMBER OF SPACES PROVIDED: | 59 |
| 3. HANDICAPPED PARKING SPACES REQUIRED: | 3 |
| 4. HANDICAPPED PARKING SPACES PROVIDED: | 3 |
| 5. BICYCLE RACKS SPACES REQUIRED: | 0 |
| 6. BICYCLE RACKS SPACES PROVIDED: | 0 |
| 7. REFUSE CONTAINER AND ENCLOSURE: | 1 |

EPC CONDITIONS

1. APPROVAL AUTHORITY FOR THE SITE DEVELOPMENT PLAN IS DELEGATED TO THE DRB FOR APPROVAL WITHIN SIX (6) MONTHS, AT AN ADVERTISED PUBLIC HEARING.
2. THE SITE SHALL BE REPLANTED TO REFLECT THE NEW ZONE BOUNDARY LINE.
3. ROOF AND/OR GROUND-MOUNTED EQUIPMENT SHALL BE SHIELDED FROM VIEW BY A PARAPET OR SCREEN WALL THAT IS, AT MINIMUM, AS HIGH AS THE EQUIPMENT.
4. ANY PARKING SPACES ADJACENT TO AND FACING A STREET SHALL BE SCREENED BY A 2 1/2' - 3' HIGH GARDEN WALL AND/OR LANDSCAPING BERM.
5. PEDESTRIAN PATHWAYS AND PUBLIC SIDEWALKS THAT CROSS DRIVE AISLES OR VEHICULAR ACCESS POINTS SHALL BE OF A PATTERENED MATERIAL OTHER THAN ASPHALT, AT LEAST SIX FEET WIDE.
6. SITE PLAN AND ACCESS POINTS ARE SUBJECT TO APPROVAL BY THE TRAFFIC ENGINEER.
7. THE SITE PLAN SHALL MEET THE TYPICAL REQUIREMENTS THAT ARE NORMALLY IMPOSED BY THE EPC.

CASE NUMBER: Z-1002119/02EPC-01144

THIS PLAN IS CONSISTENT WITH THE SPECIFIC SITE DEVELOPMENT PLAN APPROVAL BY THE ENVIRONMENTAL PLANNING COMMISSION (EPC) ON SEPTEMBER 20, 2002, AND THAT THE FINDINGS AND CONDITIONS IN THE OFFICIAL NOTICE: NOTIFICATION OF DECISION HAVE BEEN COMPLIED WITH:

SITE DEVELOPMENT PLAN

Richard Dawkins 1/29/03
TRAFFIC ENGINEER, TRANSPORTATION DIVISION
Christine Sandora 1/29/03
DATE
PUBLIC WORKS, WATER UTILITIES DIVISION
Roger A. Hise 3/6/03
DATE

CITY ENGINEER, ENGINEERING DIVISION/AMAFCA

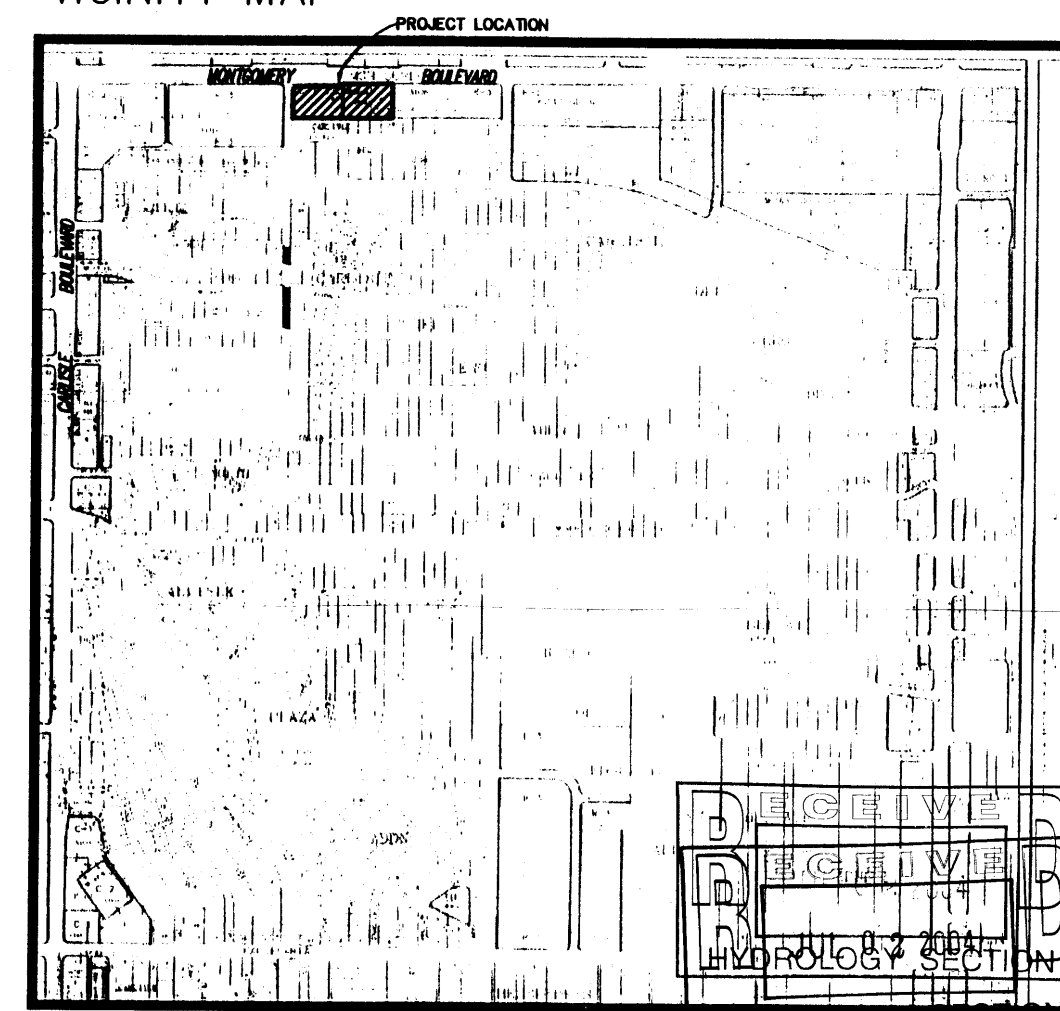
Don C. Nelson 3-06-03
DATE
SOLID WASTE

APPROVAL AND CONDITIONAL ACCEPTANCE: AS SPECIFIED BY THE

Sharon M. Nelson 3/17/03
DATE
CITY PLANNER, ALBUQUERQUE/BERNALILLO
COUNTY PLANNING DIVISION

PLN2 (10706) 4/96

VICINITY MAP



SITE DEVELOPMENT PLAN

**Veterinary Surgical Specialists
of New Mexico**

Albuquerque, New Mexico

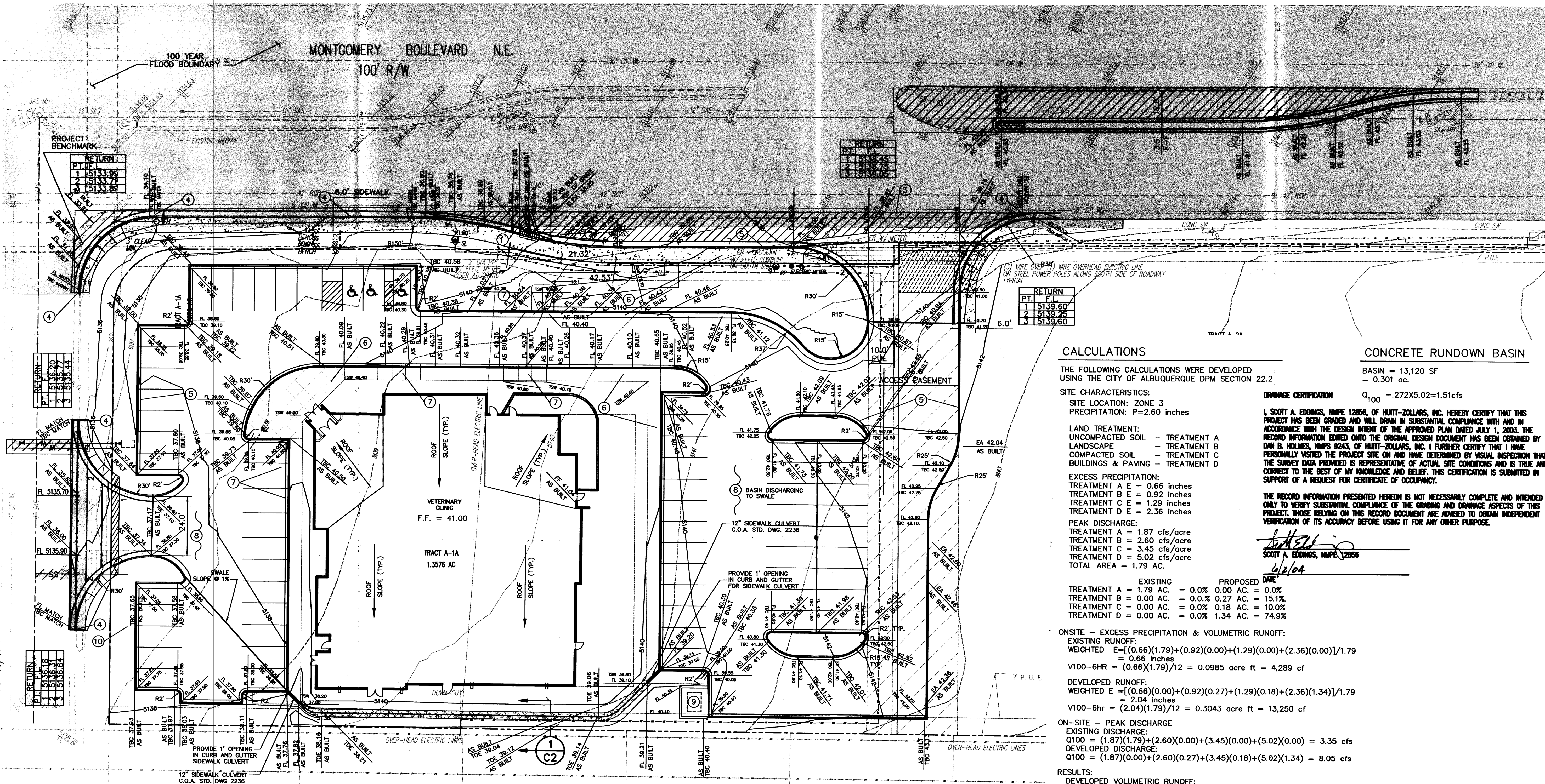
HUNT-ZOLARS
Hunt-Zolars, Inc.
4501 American Parkway NE
Albuquerque, NM 87110
Phone (505) 885-8144 Fax (505) 885-9022

PETER D. SCHWARZ, DVM
VETERINARY SURGICAL
SPECIALISTS

NO.	REVISION	DATE
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

DATE: 08/29/02
DRAWN: LH
DESIGNED: SE
CHECKED: KK
PROJ. NO.: 14-0204-01

SHEET: C1
JUL 0 2 2004
HYDROLOGY SECTION



GENERAL NOTES

- 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.
- 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.
- 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 THEREOF, 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.
- 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.

- THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED BY THE CITY OF ALB. FOR THE COMPLETION OF THE WORK PRIOR TO BEGINNING CONSTRUCTION.

KEYED NOTES

- REMOVE TYPE "C" INLET
- CONSTRUCT TYPE "C" INLET
- CONSTRUCT DRIVEPADS PER COA STD DWG 2420
- CONSTRUCT CURB & GUTTER TO MATCH EXISTING CURB
- CONSTRUCT CURB AND GUTTER PER SITE PLAN
- CONSTRUCT SIDEWALK PER SITE PLAN
- CONSTRUCT HANDICAP RAMP PER SITE PLAN
- INSTALL ASPHALT PAVING
- NEW DUMPSTER
- CONSTRUCT CMU VISUAL SCREEN WALL PER SITE PLAN

BENCHMARK

CHISELED "C" IN TOP BACK OF CURB BEHIND FOUND DRILL HOLE.
ELEV. = 34.57

LEGAL DESCRIPTION

A PARCEL OF LAND BEING ALL OF TRACTS A-1 AND A-2 OF THE VOL-ADDITION WITHIN SECTION 2, TOWNSHIP 10 NORTH, RANGE 3 EAST, NEW MEXICO PRINCIPAL MERIDIAN, RECORDED ON JANUARY 2, 1980 IN VOLUME C16, FOLIO 35), CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO. PARCEL CONTAINS 2.7085 ACRES, MORE OR LESS.

S.O. 19 REQUIREMENTS

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK IN THE CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE SAME TIME OF APPLICATION FOR THIS PERMIT.
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- 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.
- BACKFILL COMPACTION SHALL BE ACCORDING TO ARTERIAL STREET USE.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

CALCULATIONS

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

SITE CHARACTERISTICS:

SITE LOCATION: ZONE 3
PRECIPITATION: P=2.60 inches

LAND TREATMENT:

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

EXCESS PRECIPITATION:

TREATMENT A E = 0.66 inches
TREATMENT B E = 0.92 inches
TREATMENT C E = 1.29 inches
TREATMENT D E = 2.36 inches

PEAK DISCHARGE:

TREATMENT A = 1.87 cfs/acre
TREATMENT B = 2.60 cfs/acre
TREATMENT C = 3.45 cfs/acre
TREATMENT D = 5.02 cfs/acre
TOTAL AREA = 1.79 AC.

TREATMENT	EXISTING	PROPOSED	DATE
TREATMENT A	1.79 AC. = 0.0%	0.00 AC. = 0.0%	
TREATMENT B	0.00 AC. = 0.0%	0.27 AC. = 15.1%	
TREATMENT C	0.00 AC. = 0.0%	0.18 AC. = 10.0%	
TREATMENT D	0.00 AC. = 0.0%	1.34 AC. = 74.9%	

ONSITE - EXCESS PRECIPITATION & VOLUMETRIC RUNOFF:

EXISTING RUNOFF:
WEIGHTED E = $[(0.66)(1.79) + (0.92)(0.00) + (1.29)(0.00) + (2.36)(0.00)] / 1.79$
= 0.66 inches
V100-6HR = $(0.66)(1.79) / 12 = 0.0985$ acre ft = 4,289 cf

DEVELOPED RUNOFF:
WEIGHTED E = $[(0.66)(0.00) + (0.92)(0.27) + (1.29)(0.18) + (2.36)(1.34)] / 1.79$
= 2.04 inches
V100-6hr = $(2.04)(1.79) / 12 = 0.3043$ acre ft = 13,250 cf

ON-SITE - PEAK DISCHARGE

EXISTING DISCHARGE:
Q100 = $(1.87)(1.79) + (2.60)(0.00) + (3.45)(0.00) + (5.02)(0.00) = 3.35$ cfs
DEVELOPED DISCHARGE:
Q100 = $(1.87)(0.00) + (2.60)(0.27) + (3.45)(0.18) + (5.02)(1.34) = 8.05$ cfs

RESULTS:
DEVELOPED VOLUMETRIC RUNOFF:
13,250 - 4,289 = 8,961 cf INCREASE IN RUNOFF VOLUME
DEVELOPED PEAK DISCHARGE:
8.05 - 3.35 = 4.70 cfs INCREASE IN PEAK DISCHARGE

CONCRETE RUNDOWN BASIN

BASIN = 13,120 SF
= 0.301 ac.

$Q_{100} = 272X5.02 = 1.51$ cfs

DRAINAGE CERTIFICATION

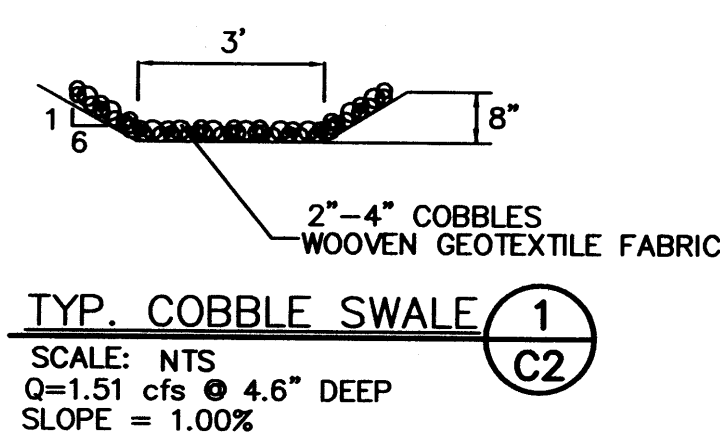
I, SCOTT A. EDWARDS, NMPE 12856, OF HUITT-ZOLLARS, INC. HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED JULY 1, 2003. THE INFORMATION EDITED INTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY DM & HOLMES, NMPS 9243, OF HUITT-ZOLLARS, INC. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 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 THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

Scott A. Edwards
SCOTT A. EDWARDS, NMPE 12856
6/2/04

GENERAL LEGEND

EXISTING CONTOUR ——— 5040 ———
PROPOSED CONTOUR ——— 5040 ———
PROPOSED SPOT ELEVATION
ADD 5100 TO SPOT ELEVATIONS
TOP OF ASPHALT TA
TOP BACK OF CURB TBC
FLOWLINE ELEVATION FL
TOP OF SIDEWALK TSW



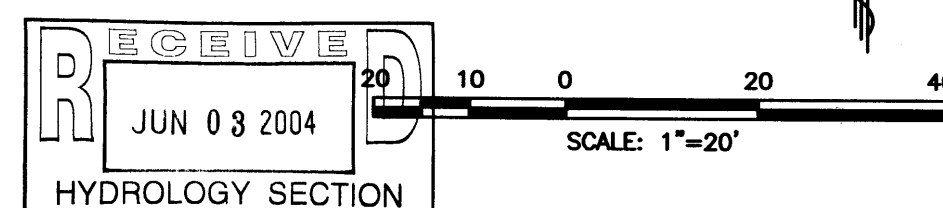
FLOOD ZONE

PER THE FEMA MAP NUMBER 350002 0023 DATED OCTOBER 14, 1983 THE SITE IS NOT LOCATED WITHIN FLOOD HAZARD ZONE AREA. HOWEVER, MONTGOMERY BOULEVARD WHICH BOUNDS THE SITE TO THE NORTH IS DESIGNATED AS BEING IN THE 100-YR FLOOD ZONE.

ENGINEER'S CERTIFICATION

I PERSONALLY INSPECTED THIS SITE AND NO GRADING, FILLING, OR EXCAVATION HAS OCCURRED SINCE THE PREPARATION OF THE TOPOGRAPHY SHOWN ON THIS PLAN.

APPROVALS	NAME	DATE
A.C.E. DESIGN		
INSPECTOR		
A.C.E. FIELD		



NO.	REVISION	DATE
1		
2		
3		
4		
5		
6		
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8		
9		
10		

HUITT-ZOLLARS, INC.
1400 American Parkway NE, Suite 550
Albuquerque, New Mexico 87106-5872
Phone (505) 883-8164 Fax (505) 883-5022

PETER D. SCHWARZ, DVM
VETERINARY SURGICAL
SPECIALISTS

GRADING AND DRAINAGE PLAN

Veterinary Surgical Specialists
of New Mexico
Albuquerque, New Mexico



DATE: 08/29/02
DRAWN: LH
DESIGNED: SE
CHECKED: KK
PROJ. NO.: 14-0204-01

SHEET: C2

G:\PROJ\14020401\dwg\Grading.dwg

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 ALB. FOR THE COMPLETION OF THE WORK PRIOR TO BEGINNING CONSTRUCTION.

BENCHMARK

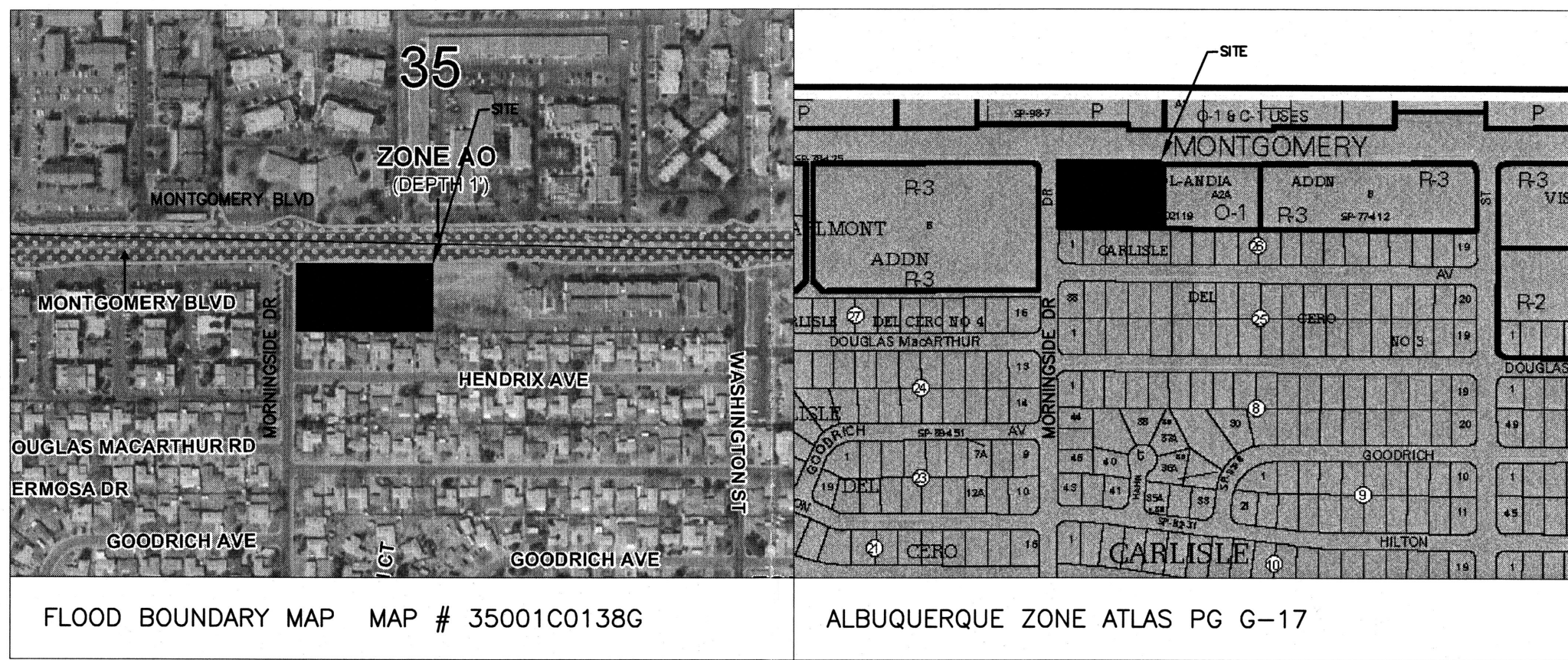
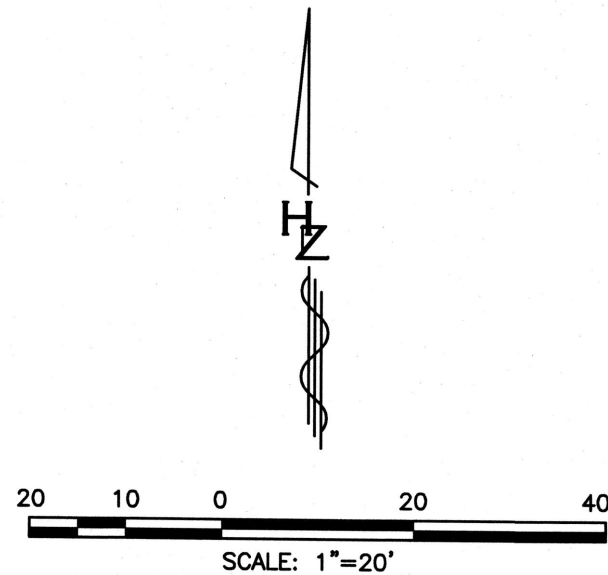
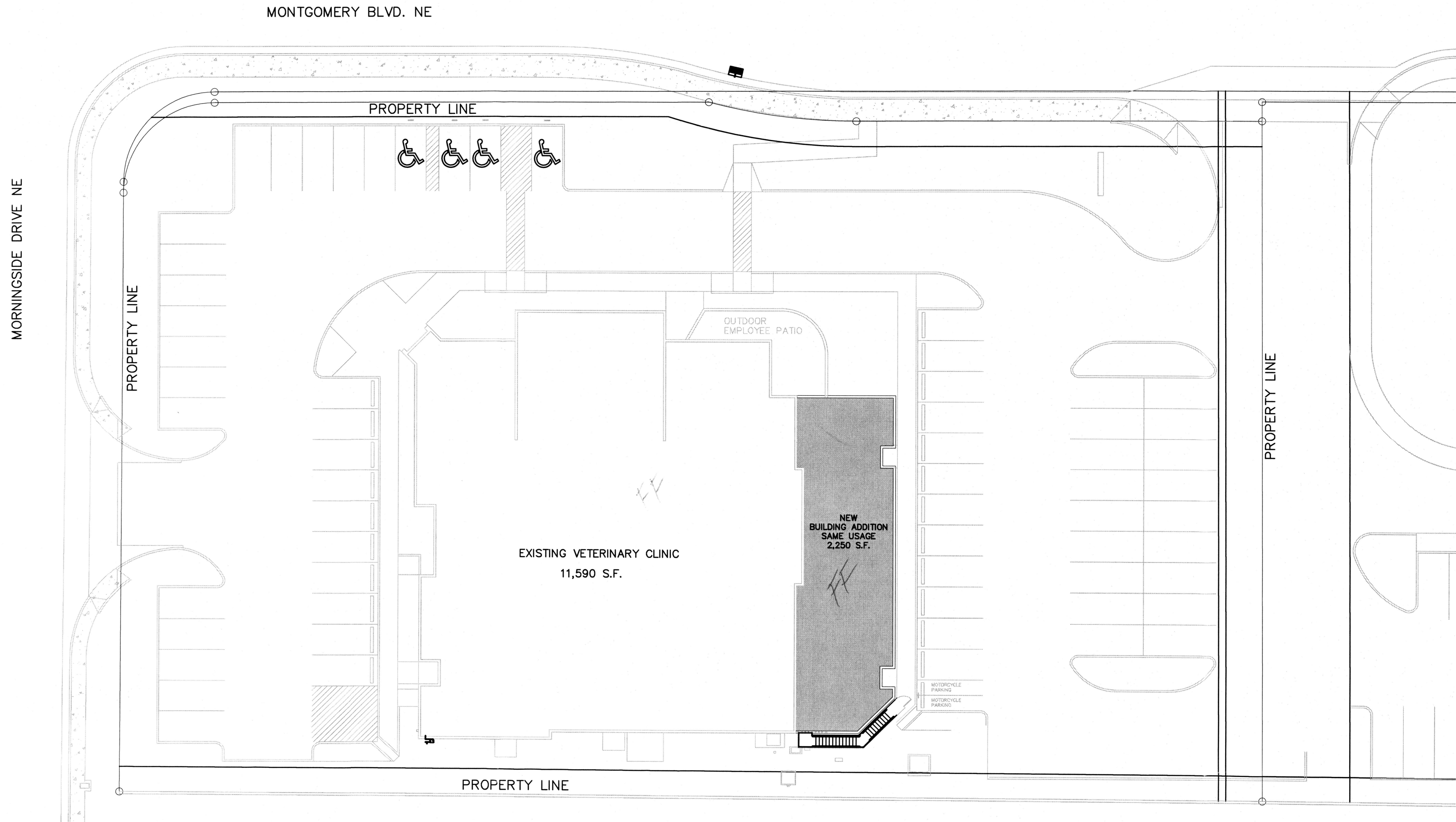
CHISELED "□" IN TOP BACK OF CURB BEHIND FOUND DRILL HOLE
ELEV. = 34.57

LEGAL DESCRIPTION

A PARCEL OF LAND BEING ALL OF TRACT A-1A OF THE VOL-ADDITION WITHIN SECTION 2, TOWNSHIP 10 NORTH, RANGE 3 EAST, NEW MEXICO PRINCIPAL MERIDIAN, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO.

S.O. 19 REQUIREMENTS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK IN THE CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE SAME TIME OF APPLICATION FOR THIS PERMIT.
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5. BACKFILL COMPACTION SHALL BE ACCORDING TO ARTERIAL STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.



FLOOD ZONE

PER THE FEMA MAP NUMBER 35001C0138G DATED SEPTEMBER 26, 2008 THE SITE IS NOT LOCATED WITHIN FLOOD HAZARD ZONE AREA. HOWEVER, MONTGOMERY BOULEVARD WHICH BOUNDS THE SITE TO THE NORTH IS DESIGNATED AS BEING IN THE 100-YR FLOOD ZONE.

CALCULATIONS (REVISED)

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

SITE CHARACTERISTICS:

SITE LOCATION: ZONE 3
PRECIPITATION: P=2.60 inches
BUILDING ADDITION WILL REMOVE TREATMENT C AND REPLACE IT WITH TREATMENT D (2,250 SF ADDITION)
ALL ON-SITE INFRASTRUCTURE SHOWN IS EXISTING EXCEPT THE BUILDING ADDITION.

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

EXCESS PRECIPITATION:
TREATMENT A E = 0.66 inches
TREATMENT B E = 0.92 inches
TREATMENT C E = 1.29 inches
TREATMENT D E = 2.36 inches

PEAK DISCHARGE:
TREATMENT A = 1.87 cfs/acre
TREATMENT B = 2.60 cfs/acre
TREATMENT C = 3.45 cfs/acre
TREATMENT D = 5.02 cfs/acre
TOTAL AREA = 1.79 AC.

	EXISTING	PROPOSED
TREATMENT A	0.00 AC. = 0.0%	0.00 AC. = 0.0%
TREATMENT B	0.27 AC. = 15.1%	0.27 AC. = 15.1%
TREATMENT C	0.18 AC. = 10.0%	0.13 AC. = 7.3%
TREATMENT D	1.34 AC. = 74.9%	1.39 AC. = 77.7%

ONSITE - EXCESS PRECIPITATION & VOLUMETRIC RUNOFF:
EXISTING RUNOFF PER 2002 G&D PLAN: 13,250 cf

DEVELOPED RUNOFF:
WEIGHTED E = $[(0.66)(0.00) + (0.92)(0.27) + (1.29)(0.13) + (2.36)(1.39)] / 1.79$
= 2.06 inches
V100-6hr = $(2.06)(1.79) / 12 = 0.3073$ acre ft = 13,385 cf

ON-SITE - PEAK DISCHARGE
EXISTING DISCHARGE PER 2002 G&D PLAN: 8.50 cfs

DEVELOPED DISCHARGE:
Q100 = $(1.87)(0.00) + (2.60)(0.27) + (3.45)(0.13) + (5.02)(1.39) = 8.13$ cfs

RESULTS:
DEVELOPED VOLUMETRIC RUNOFF:
13,385 - 13,250 = 135 cf INCREASE IN RUNOFF VOLUME
DEVELOPED PEAK DISCHARGE:
8.13 - 8.05 = 0.08 cfs INCREASE IN PEAK DISCHARGE

APPROVALS	NAME	DATE
A.C.E. DESIGN		
INSPECTOR		
A.C.E. FIELD		

GRADING AND DRAINAGE PLAN

**Veterinary Surgical Specialists
of New Mexico Addition**
Albuquerque, New Mexico



DATE: 06/23/11
DRAWN: JH
DESIGNED: JH
CHECKED: JH
PROJ. NO.: 17-0956-01
SHEET: **C1**

HUIT-ZOLIARS
Huit-Zoliars Inc.
6501 Americas Parkway NE, Suite 550
Albuquerque, New Mexico 87110-5372
Phone (505) 883-8114 Fax (505) 883-5022

Dorman Breen