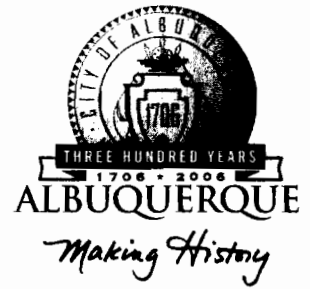


CITY OF ALBUQUERQUE



September 30, 2005

Mr. Jeff Mortensen, P.E.
JEFF MORTENSEN & ASSOCIATES
6010-B Midway Park Blvd. NE
Albuquerque, NM 87109

Re: ETHRIDGE TIRES WESTSIDE FACILITY
9620 Eagle Ranch Rd. NW
Approval of Permanent Certificate of Occupancy (C.O.)
Engineer's Stamp dated 01/28/2005 (B-13/D2)
Certification dated 09/26/2005

Dear Jeff:

P.O. Box 1293

Based upon the information provided in your submittal received 09/27/2005, 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

Sincerely,

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

www.cabq.gov

C: Phyllis Villanueva
File

File B13/D002

PROJECT TITLE: ETHRIDGE TIRES WESTSIDE FACILITY ZONE ATLAS/DRNG. FILE #: B13 D2
 DRB #: 05DRB00047 EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: TRACT A-2, ADOBE WELLS
 CITY ADDRESS: 9620 EAGLE RANCH DRIVE NW

ENGINEERING FIRM: JEFF MORTENSEN & ASSOC., INC. CONTACT: JEFF MORTENSEN
 ADDRESS: 6010-B MIDWAY PARK BLVD. NE PHONE: (505) 345-4250
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87109

OWNER: ETHRIDGE TIRES CONTACT: JAMES ETHRIDGE
 ADDRESS: 6201 MONTGOMERY BLVD NE PHONE: 280-1611
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87109

ARCHITECT: DURA-BILT CONTACT: BRAD LITTLE
 ADDRESS: 4808 JEFFERSON NE PHONE: 883-9100
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87109

SURVEYOR: JEFF MORTENSEN & ASSOC., INC. CONTACT: JEFF MORTENSEN
 ADDRESS: 6010-B MIDWAY PARK BLVD. NE PHONE: (505) 345-4250
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87109

CONTRACTOR: DURA-BILT CONTACT: BRAD LITTLE
 ADDRESS: 4808 JEFFERSON NE PHONE: 883-9100
 CITY, STATE: ALBUQUERQUE, NM ZIP CODE: 87109

TYPE OF SUBMITTAL:

- ☐ DRAINAGE REPORT
☐ DRAINAGE PLAN 1st SUBMITTAL, **REQUIRES TCL or equal**
☐ DRAINAGE PLAN RESUBMITTAL
☐ CONCEPTUAL GRADING & DRAINAGE PLAN
☐ GRADING PLAN
☐ EROSION CONTROL PLAN
☒ ENGINEER'S CERTIFICATION (HYDROLOGY)
☐ CLOMR/LOMR
☐ TRAFFIC CIRCULATION LAYOUT (TCL)
☐ ENGINEER'S CERTIFICATION (TCL)
☐ ENGINEER'S CERTIFICATION (DRB APPR. SITE PLAN)
☐ OTHER

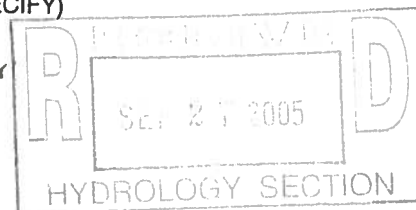
P# 210207

CHECK TYPE OF APPROVAL SOUGHT:

- ☐ SIA/FINANCIAL GUARANTEE RELEASE
☐ PRELIMINARY PLAT APPROVAL
☐ S. DEV. PLAN FOR SUB'D APPROVAL
☐ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
☐ SECTOR PLAN APPROVAL
☐ FINAL PLAT APPROVAL
☐ FOUNDATION PERMIT APPROVAL
☐ BUILDING PERMIT APPROVAL
☒ CERTIFICATE OF OCCUPANCY (PERM.)
☐ CERTIFICATE OF OCCUPANCY (TEMP.)
☐ GRADING PERMIT APPROVAL
☐ PAVING PERMIT APPROVAL
☐ WORK ORDER APPROVAL
☐ OTHER (SPECIFY)

WAS A PRE-DESIGN CONFERENCE ATTENDED:

- ☒ YES - INFORMAL W/ BRAD BINGHAM
☐ NO
☐ COPY PROVIDED

897-3259
Powell Constr

DATE SUBMITTED: 09/27/2005 BY: JEFFREY G. MORTENSEN

Requests for approvals of Site Development Plans and/or Subdivision Plats shall be accompanied by a drainage submittal. The particular nature, location and scope of the proposed development defines the degree of drainage detail. One or more of the following levels of submittal may be required based upon 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 subdivisions containing more than ten (10) lots or constituting five (5) acres or more.

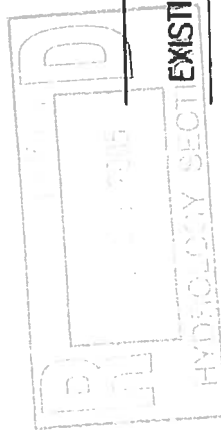


SCALE: 1" = 20'



JNDARY TABLE

CHORD	CHORD BEARING	DELTA
205.03'	N 34°08'01" W	14°58'59"
53.23'	N 14°58'02" E	83°25'20"
515.96'	N 32°25'48" E	48°30'34"



EXISTING EASEMENTS - ONSITE

LET

- ① 10' PUBLIC UTILITY EASEMENT GRANTED BY PLAT C35-7
- ② VARIABLE WIDTH UTILITY EASEMENT DEPICTED ON PLAT C35-7
- ③ 10' PNM EASEMENT DEPICTED ON PLAT C35-7
- ④ DRAINAGE AND UTILITY EASEMENT GRANTED BY DOCUMENT FILED 09-03-1985, BOOK MISC. 266A, PAGES 944-948, DOC. #85 73699
- ⑤ PERMANENT UNDERGROUND AMAFCA DRAINAGE AND WATERLINE EASEMENTS DEPICTED ON PLAT C35-7. ORIGINALLY GRANTED AS A TEMPORARY EASEMENT BY DOCUMENT FILED 11-07-1982, BOOK MISC. 972, PAGES 115-121, DOC. #82 60176; RELEASED BY QUITCLAIM DEED FILED 06-10-1987, BOOK D305A, PAGES 961-963, DOC. #8760748; PORTION OF PERMANENT EASEMENT GRANTED BY PLAT C20-102 WAS MODIFIED BY QUITCLAIM DEED FILED 06-10-1987, BOOK D305A, PAGES 964-966, DOC. #87 60749.
- ⑩ APPROXIMATE LOCATION OF UTILITY EASEMENT GRANTED BY DOCUMENT FILED 02-10-1992, BOOK 92-3, PAGE 4164, DOC. #9211652
- ⑪ APPROXIMATE LOCATION OF UTILITY EASEMENT GRANTED BY DOCUMENT FILED 02-10-1992, BOOK 92-3, PAGE 4166, DOC. #9211654

- THE BUILDING(S) SHALL BE PROVIDED WITH POSITIVE DRAINAGE TO AVOID ANY PONDING ADJACENT TO THE STRUCTURE. FOR CONSTRUCTION DETAILS, REFER TO LANDSCAPING PLAN.
- 7. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
- 8. BACKFILL COMPACTION SHALL BE ACCORDING TO N/A STREET USE.
- 9. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

APPROVALS	NAME	DATE
HYDROLOGY		
SIDEWALK INSPECTOR		
STORM DRAIN MAINTENANCE		7/26/05

KEYED NOTES

DRAINAGE PLAN

I. INTRODUCTION AND EXECUTIVE SUMMARY

THIS PROJECT, LOCATED ON THE NORTHWEST MESA, REPRESENTS THE DEVELOPMENT OF AN INFILL PROPERTY. THE SITE LIES IMMEDIATELY ADJACENT TO EAGLE RANCH ROAD NW AND IRVING BLVD. NW AT THE SOUTHEAST CORNER OF THAT INTERSECTION. THE DRAINAGE CONCEPT FOR THIS PROJECT WILL BE THE FREE DISCHARGE OF DEVELOPED RUNOFF FROM TRACT A-2 TO THE EXISTING PUBLIC STORM DRAIN PASSING BENEATH THE SITE. THE EXISTING PUBLIC STORM DRAIN COLLECTS PUBLIC RUNOFF AND CONVEYS THAT RUNOFF NORTHEAST TO THE CALABACILLAS ARROYO.

THIS SUBMITTAL IS MADE IN SUPPORT OF BUILDING PERMIT APPROVAL FOR TRACT A-2, ADOBE WELLS SUBDIVISION WITHIN THE JURISDICTION OF THE CITY OF ALBUQUERQUE.

II. PROJECT DESCRIPTION

AS SHOWN BY THE VICINITY MAP, THE SITE IS LOCATED AT THE SOUTHEAST CORNER OF THE INTERSECTION OF EAGLE RANCH ROAD NW AND IRVING BLVD. NW. AT PRESENT, THE SITE IS UNDEVELOPED. THE LAND IMMEDIATELY TO THE NORTH IS DEVELOPED AS AN AUTOMOBILE DEALERSHIP. THE LAND TO THE EAST IS DEVELOPED COMMERCIAL. THE LAND ACROSS THE STREET TO THE WEST AND SOUTH ARE ALSO DEVELOPED COMMERCIAL. BOTH EAGLE RANCH ROAD NW AND IRVING BLVD. NW ARE FULLY DEVELOPED CITY STREETS WITH PUBLIC STORM DRAIN FACILITIES. AS SHOWN BY PANEL 108 OF 825 OF THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAPS PUBLISHED BY FEMA FOR BERNALILLO COUNTY, NEW MEXICO, AND INCORPORATED AREAS DATED SEPTEMBER 20, 1996, THIS SITE DOES NOT LIE WITHIN A DESIGNATED FLOOD HAZARD ZONE (ZONE AO). AN AO ZONE IS MAPPED DOWNSTREAM, HOWEVER, IT IS THE CALABACILLAS ARROYO, THE OUTFALL FOR TRACT A-2.

III. BACKGROUND DOCUMENTS & RESEARCH

THE FOLLOWING ADDITIONAL ITEMS WERE REVIEWED IN THE PREPARATION OF THIS SUBMITTAL:

- TOPOGRAPHIC SURVEY OF THE EXISTING SITE PREPARED BY JMA. THE SUBJECT SURVEY SHOWS THE EXISTING IMPROVEMENTS.
- CITY OF ALBUQUERQUE STORM FACILITIES MAPS, PLATES B13 AND C13. THESE MAPS CONFIRM THE PRESENCE OF PUBLIC STORM DRAIN FACILITIES THAT CURRENTLY SERVE THIS SITE.
- PROPOSED MINOR SUBDIVISION PLAT PREPARED BY JMA. THIS DRAINAGE SUBMITTAL IS PREPARED TO SUPPORT THE SUBJECT PLATING ACTION AND DEMONSTRATE THAT PRIVATE DRAINAGE EASEMENTS ARE NOT REQUIRED.
- CONCEPTUAL GRADING AND DRAINAGE PLAN PREPARED BY J.M.A. AND DATED 01-10-2005. THIS SUBMITTAL IS CONSISTENT WITH THE CONCEPT SET FORTH BY THE APPROVED CONCEPTUAL PLAN.

IV. EXISTING CONDITIONS

THE TOPOGRAPHIC DATA PRESENTED HERewith DEMONSTRATES THE EXISTING CONDITIONS OF THE PROJECT SITE. AT PRESENT, THE SITE IS UNDEVELOPED. THE SITE CURRENTLY DRAINS TO THE SOUTHEAST AWAY FROM EAGLE RANCH ROAD NW. AS A RESULT, THE EXISTING SITE RUNOFF FLOWS ONTO DOWNSTREAM PRIVATE PROPERTIES. IN ADDITION, A 60-INCH RCP PUBLIC STORM DRAIN PASSES BENEATH THE SITE CARRYING PUBLIC RUNOFF TO THE CALABACILLAS ARROYO. THE EXISTING STORM DRAIN LIES WITHIN A PUBLIC EASEMENT UPON THE SUBJECT PROPERTY.

V. PROPOSED CONDITIONS

CONSISTENT WITH THE CONCEPTUAL PLAN, AN AUTO REPAIR FACILITY IS PROPOSED FOR TRACT A-2. THE TRACT A-2 DEVELOPMENT WILL CONSIST OF A BUILDING WITH ASSOCIATED PAVING AND LANDSCAPING. TRACT A-2 INCLUDES THE 60-INCH RCP PUBLIC STORM DRAIN DISCHARGING TO THE CALABACILLAS ARROYO. THE DEVELOPED RUNOFF FROM TRACT A-2 WILL DISCHARGE DIRECTLY TO THE 60-INCH RCP STORM DRAIN VIA THE SO#19 PROCESS.

VI. GRADING PLAN

THE GRADING PLAN SHOWS 1.) EXISTING GRADES INDICATED BY SPOT ELEVATIONS AND CONTOURS AT 1'-0" INTERVALS TAKEN FROM THE REFERENCED SURVEY, 2.) PROPOSED GRADES INDICATED BY SPOT ELEVATIONS, 3.) THE LIMIT AND CHARACTER OF THE EXISTING IMPROVEMENTS TAKEN FROM THE SURVEY REFERENCED ABOVE, 4.) THE LIMIT AND CHARACTER OF THE PROPOSED IMPROVEMENTS, AND 5.) CONTINUITY BETWEEN EXISTING AND PROPOSED GRADES. TRACT A-2 IS PROGRAMMED TO BE DEVELOPED AS AN AUTO REPAIR FACILITY. THE DEVELOPED SITE WILL COLLECT ITS RUNOFF WITH A PRIVATE STORM DRAIN SYSTEM THAT WILL CONNECT TO THE 60-INCH RCP STORM DRAIN VIA THE SO#19 PROCESS AS PREVIOUSLY DISCUSSED. NO CROSS-LOT DRAINAGE IS PROPOSED OR INTENDED. THE DISCHARGE OF DEVELOPED RUNOFF ONTO ADJACENT DEVELOPED PROPERTIES WILL BE CURTAILED.

VII. CALCULATIONS

THE CALCULATIONS THAT APPEAR HEREON ANALYZE BOTH THE EXISTING AND DEVELOPED CONDITIONS, FOR THE 100-YEAR, 6-HOUR RAINFALL EVENT. THE PROCEDURE FOR 40 ACRE AND SMALLER BASINS, AS SET FORTH IN THE REVISION OF SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA, DATED JANUARY 1993, HAS BEEN USED TO QUANTIFY THE PEAK RATE OF DISCHARGE AND VOLUME OF RUNOFF GENERATED. AS SHOWN BY THESE CALCULATIONS, THE DEVELOPMENT OF TRACT A-2 WILL RESULT IN A NET INCREASE IN THE DEVELOPED RUNOFF LEAVING THE SITE. THE PRIVATE STORM DRAIN CAPACITY IS CALCULATED USING THE FIELD'S HYDRAULICS CALCULATIONS FOR GRAVITY FLOW IN PIPES. APPROXIMATELY ONE-HALF OF THIS SITE DRAINS SOUTH AND ONE-HALF NORTH. THE CAPACITY OF EACH REACH IS 5.1 cfs, APPROXIMATELY 75% GREATER THAN ONE-HALF THE Q_{100} CALCULATED FOR THE ENTIRE SITE.

VIII. CONCLUSIONS

THE FOLLOWING CONCLUSIONS HAVE BEEN ESTABLISHED AS A RESULT OF THE EVALUATIONS CONTAINED HEREIN:

- THIS SUBMITTAL IS CONSISTENT WITH THE DRAINAGE CONCEPTS ESTABLISHED BY THE REFERENCED CONCEPTUAL PLAN.
- THE SITE DOES NOT LIE WITHIN A DESIGNATED 100-YEAR FLOODPLAIN.
- THIS SITE IS NOT RESTRICTED BY LIMITED OR INADEQUATE DOWNSTREAM CAPACITY.
- THE INCREASED RUNOFF FROM THIS SITE WILL BE HANDLED BY THE EXISTING DOWNSTREAM PUBLIC DRAINAGE IMPROVEMENTS AS IDENTIFIED IN MORE DETAIL ABOVE.
- THIS SUBMITTAL IS FOR BUILDING PERMIT APPROVAL.
- OFFSITE FLOWS DO NOT ADVERSELY IMPACT THIS SITE; OFFSITE FLOWS ARE ROUTED THROUGH THE SITE WITHIN THE 60-INCH RCP STORM DRAIN THAT FLOWS TO THE CALABACILLAS ARROYO.

CALCULATIONS

I. PRECIPITATION ZONE = 1

II. $P_{6,100} = P_{360} = 2.20$

III. TOTAL AREA (A_T) = 66,645 SF/1.53 AC

IV. EXISTING LAND TREATMENT (TRACT A-2)

TRACT A-2

TREATMENT	AREA (SF/AC)	%
C	66645/1.53	100

V. DEVELOPED LAND TREATMENT (TRACT A-2)

TREATMENT	AREA (SF/AC)	%
B	10415/0.24	15
C	9150/0.21	14
D	47080/1.08	71

VI. EXISTING CONDITION (TRACT A-2)

1. VOLUME

$$E_W = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T$$

$$E_W = [0.99(1.53)] / 1.53 = 0.99 \text{ IN}$$

$$V_{100} = (E_W / 12) A_T$$

$$V_{100} = (0.99 / 12) 1.53 = 0.1262 \text{ ac-ft} = 5500 \text{ CF}$$

2. PEAK DISCHARGE

$$Q_p = Q_{PA} A_A + Q_{PB} A_B + Q_{PC} A_C + Q_{PD} A_D$$

$$Q_p = Q_{100} = 2.87(1.53) = 4.4 \text{ cfs}$$

VII. DEVELOPED CONDITION (TRACT A-2)

1. VOLUME

$$E_W = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T$$

$$E_W = [0.67(0.24) + 0.99(0.21) + 1.97(1.08)] / 1.53 = 1.63 \text{ IN}$$

$$V_{100} = (E_W / 12) A_T$$

$$V_{100} = (1.63 / 12) 1.53 = 0.2080 \text{ ac-ft} = 9065 \text{ CF}$$

2. PEAK DISCHARGE

$$Q_p = Q_{PA} A_A + Q_{PB} A_B + Q_{PC} A_C + Q_{PD} A_D$$

$$Q_p = Q_{100} = 2.03(0.24) + 2.87(0.21) + 4.37(1.08) = 5.8 \text{ cfs}$$

3. STORM DRAIN HYDRAULICS

- $D = 12"$
- $n = 0.013$
- $S = 0.02$
- BY FIELD'S HYDRAULICS CALCULATOR $Q_{CAP} = 5.1 \text{ cfs}$

VIII. COMPARISON

A. VOLUME

$$\Delta V_{100} = 9065 \text{ CF} - 5500 \text{ CF} = 3565 \text{ CF (INCREASE)}$$

B. PEAK DISCHARGE

$$\Delta Q_{100} = 5.8 \text{ cfs} - 4.4 \text{ cfs} = 1.4 \text{ cfs (INCREASE)}$$

MEDIUM WIDTH - 5.1 INCHES

CONSTRUCTION NOTES:

- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM 280-1990 (ALBUQUERQUE AREA), 1-800-321-ALERT(2537) (STATEWIDE), FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERPRETATIONS IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- THE DESIGN OF PLANTERS AND LANDSCAPED AREAS IS NOT PART OF THIS PLAN. ALL PLANTERS AND LANDSCAPED AREAS ADJACENT TO THE BUILDING(S) SHALL BE PROVIDED WITH POSITIVE DRAINAGE TO AVOID ANY PONDING ADJACENT TO THE STRUCTURE. FOR CONSTRUCTION DETAILS, REFER TO LANDSCAPING PLAN.
- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
- BACKFILL COMPACTION SHALL BE ACCORDING TO N/A STREET USE.
- MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

EROSION CONTROL MEASURES:

- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- WHEN APPLICABLE, CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" FROM THE CITY AND/OR FILE A NOTICE OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION.
- UNLESS FINAL STABILIZATION IS OTHERWISE PROVIDED FOR, ANY AREAS OF EXCESS DISTURBANCE (TRAFFIC ACCESS, STORAGE YARD, EXCAVATED MATERIAL, ETC.) SHALL BE RE-SEEDING ACCORDING TO C.O.A. SPECIFICATION 1012 "NATIVE GRASS SEEDING". THIS WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.

RECORD DRAWING

△ DRAINAGE CERTIFICATION

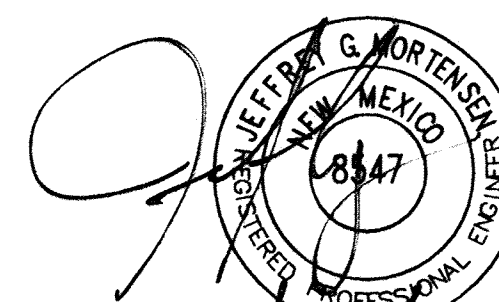
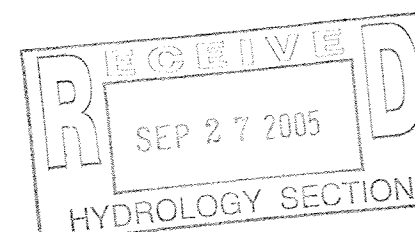
I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM JEFF MORTENSEN & ASSOCIATES, INC., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND DRAINED IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 01-28-2005. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME, OR UNDER MY DIRECT SUPERVISION 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. THIS CERTIFICATION DOES NOT EVALUATE ADA COMPLIANCE. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

JEFFREY G. MORTENSEN, NMPE 8547

DATE

09-26-2005



01-26-2005

APPROVALS	NAME	DATE	NO.	DATE	BY	REVISIONS	JOB NO.
DESIGNED BY	J.G.M.		△	09/26	J.G.M.	DRAINAGE CERTIFICATION	2004.107.8
DRAWN BY	R.J.E./S.G.H.						DATE
INSPECTOR							01-2005
STORM DRAIN MAINTENANCE	J.G.M.						SHEET 1 OF 3



JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. NE.
ALBUQUERQUE, NM 87109
ENGINEERS & SURVEYORS (505) 345-4250
FAX: (505) 345-4254 ESTABLISHED 1977

DRAINAGE PLAN AND CALCULATIONS
ETHRIDGE TIRE WESTSIDE FACILITY

PROJECT BENCHMARK

TRACT A-2, ADOBE WELLS SUBDIVISION

PROJECT BENCHMARK

ACS 1 3/4" ALUMINUM DISK STAMPED "ACS BM-6-B13, EPOXIED TO TOP OF THE CONCRETE SLEEPER SLAB AT THE SOUTHEASTLY QUADRANT OF EAGLE RANCH RD. N.W. AND THE CALABACILLAS ARROYO ELEVATION=5065.64 (NGVD 1929)

T.B.M.

A REBAR WITH RED CAP STAMPED "CONTROL PT. NMPS 11184" LOCATED APPROX. 12' SOUTH OF THE SOUTH BACK OF CURB OF EAGLE RANCH ROAD AND 230' NORTH OF THE NORTH BACK OF CURB OF IRVING BLVD. N.W., AS SHOWN ON THIS SHEET ELEVATION=5059.86

EROSION CONTROL MEASURES:

1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
2. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
3. WHEN APPLICABLE, CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" FROM THE CITY AND/OR FILE A NOTICE OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION.
4. UNLESS FINAL STABILIZATION IS OTHERWISE PROVIDED FOR, ANY AREAS OF EXCESS DISTURBANCE (TRAFFIC ACCESS, STORAGE YARD, EXCAVATED MATERIAL, ETC.) SHALL BE RE-SEEDING ACCORDING TO C.O.A. SPECIFICATION 1012 "NATIVE GRASS SEEDING". THIS WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.

LEGEND

BPC BRICK PATTERN CONCRETE
CLF CHAIN LINK FENCE
FH FIRE HYDRANT
FL FLOWLINE
G@W GROUND AT WALL ELEVATION
GW GUY WIRE
MLP METAL LIGHT POLE

MON.WELL MONITORING WELL
O/HE(1) OVERHEAD ELECTRIC (NO. OF LINES)
S/W SIDEWALK
PTS PEDESTRIAN TRAFFIC SIGNAL
TA TOP OF ASPHALT
TC TOP OF CURB
TCB TRAFFIC CONTROL BOX
TCC TRAFFIC CONTROL CABINET
TR TELEPHONE RISER

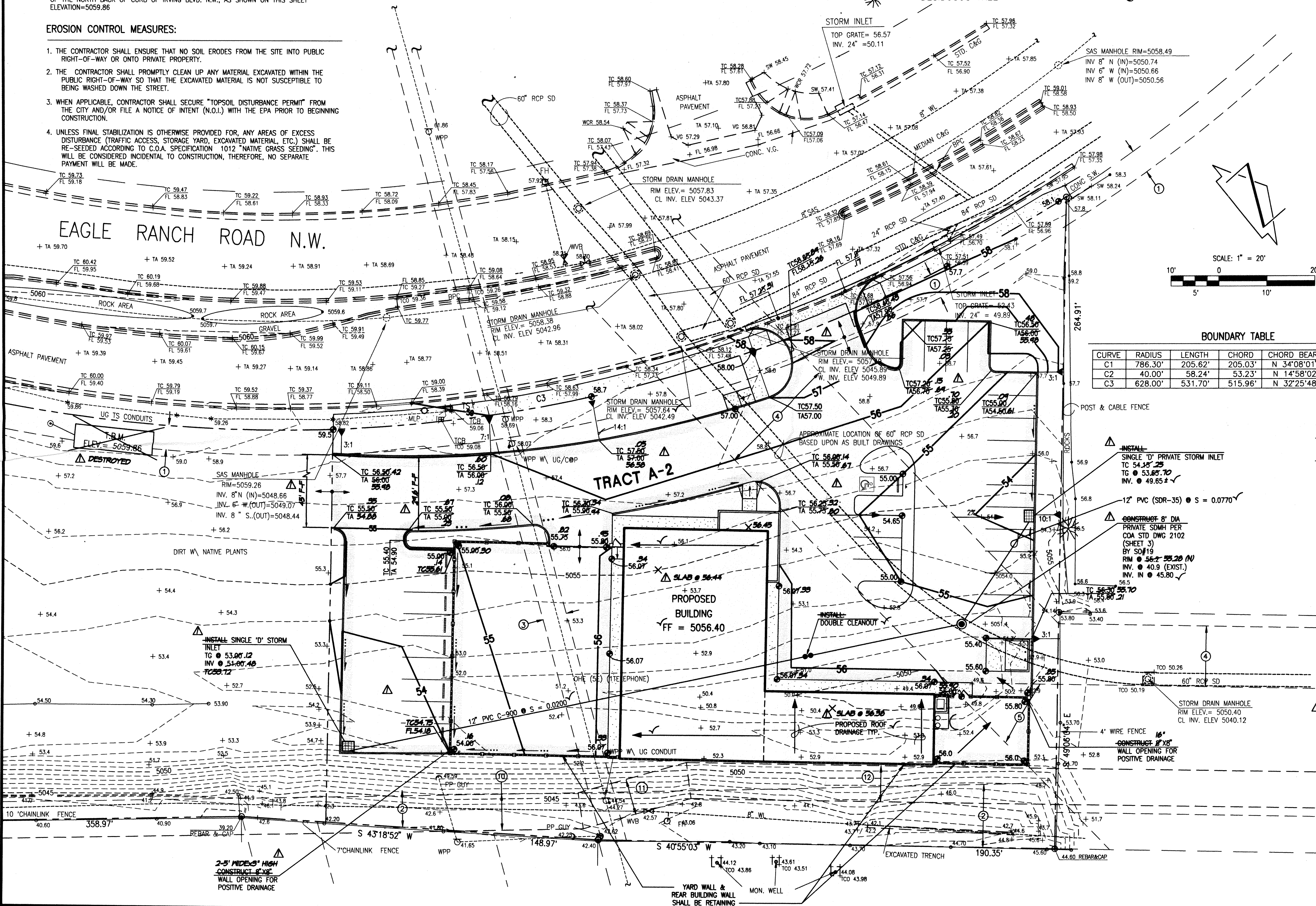
TS U/G@P
UGTS UNDERGROUND TRAFFIC SIGNAL
VG VALLEY GUTTER
W/C WITH CONDUIT
WLP WOOD LIGHT POLE
WPP WOOD POWER POLE
WVB WATER VALVE BOX
DECIDUOUS TREE

PROPOSED ROOF DRAINAGE
PROPOSED DIRECTION OF FLOW
HIGH POINT
PROPOSED CONTOUR
PROPOSED SPOT ELEVATION

CONSTRUCTION NOTES:

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM 260-1990 (ALBUQUERQUE AREA), 1-800-321-ALERT(2537) (STATEWIDE), FOR LOCATION OF EXISTING UTILITIES.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERPRETATIONS IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
5. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
6. THE DESIGN OF PLANTERS AND LANDSCAPED AREAS IS NOT PART OF THIS PLAN. ALL PLANTERS AND LANDSCAPED AREAS ADJACENT TO THE BUILDING(S) SHALL BE PROVIDED WITH POSITIVE DRAINAGE TO AVOID ANY PONDING ADJACENT TO THE STRUCTURE. FOR CONSTRUCTION DETAILS, REFER TO LANDSCAPING PLAN.
7. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
8. BACKFILL COMPACTION SHALL BE ACCORDING TO N/A STREET USE.
9. BACKFILL OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

EAGLE RANCH ROAD N.W.



BOUNDARY TABLE

CURVE	RADIUS	LENGTH	CHORD	CHORD BEARING	DELTA
C1	786.30'	205.62'	205.03'	N 34°08'01" W	14°58'59"
C2	40.00'	58.24'	53.23'	N 14°58'02" E	83°25'20"
C3	628.00'	531.70'	515.96'	N 32°25'48" E	48°30'34"

APPROVALS	NAME	DATE
HYDROLOGY		
SIDEWALK INSPECTOR		
STORM DRAIN MAINTENANCE		

KEYED NOTES

EXISTING EASEMENTS - ONSITE

1. 10' PUBLIC UTILITY EASEMENT GRANTED BY PLAT C35-7
2. VARIABLE WIDTH UTILITY EASEMENT DEPICTED ON PLAT C35-7
3. 10' PNM EASEMENT DEPICTED ON PLAT C35-7
4. DRAINAGE AND UTILITY EASEMENT GRANTED BY DOCUMENT FILED 09-03-1985, BOOK MISC. 266A, PAGES 944-948, DOC. #85 73699
5. PERMANENT UNDERGROUND AMAFCA DRAINAGE AND WATERLINE EASEMENTS DEPICTED ON PLAT C35-7. ORIGINALLY GRANTED AS A TEMPORARY EASEMENT BY DOCUMENT FILED 11-07-1982, BOOK MISC. 972, PAGES 115-121, DOC. #82 60176; RELEASED BY QUITCLAIM DEED FILED 06-10-1987, BOOK D305A, PAGES 961-963, DOC. #8760748; PORTION OF PERMANENT EASEMENT GRANTED BY PLAT C20-102 WAS MODIFIED BY QUITCLAIM DEED FILED 06-10-1987, BOOK D305A, PAGES 964-966, DOC. #87 60749.
6. APPROXIMATE LOCATION OF UTILITY EASEMENT GRANTED BY DOCUMENT FILED 02-10-1992, BOOK 92-3, PAGE 4164, DOC. #9211652
7. APPROXIMATE LOCATION OF UTILITY EASEMENT GRANTED BY DOCUMENT FILED 02-10-1992, BOOK 92-3, PAGE 4166, DOC. #9211654
8. APPROXIMATE LOCATION OF UTILITY EASEMENT GRANTED BY DOCUMENT FILED 02-10-1992, BOOK 92-3, PAGE 4165, DOC. #9211653

RECORD DRAWING
SEE SHEET 1 FOR CERTIFICATION



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GRADING AND DRAINAGE PLAN

ETHRIDGE TIRE WESTSIDE FACILITY

NOTE:

THIS IS NOT A BOUNDARY SURVEY. APPARENT PROPERTY CORNERS ARE SHOWN FOR ORIENTATION ONLY. BOUNDARY DATA SHOWN IS BASED UPON THE "ALTA/ACC.S.M. LAND TITLE SURVEY, TRACT A, ADOBE WELLS SUBDIVISION" PERFORMED BY JEFF MORTENSEN AND ASSOC., INC.

DESIGNED BY	DATE	BY	REVISIONS	JOB NO.
J.G.M.	01/03	J.G.M.	DRAINAGE CERTIFICATION	2004.107.8
DRAWN BY	DATE	BY	REVISIONS	DATE
R.R.W.				01-2005
APPROVED BY	DATE	BY	REVISIONS	SHEET
J.G.M.				2 OF 3

