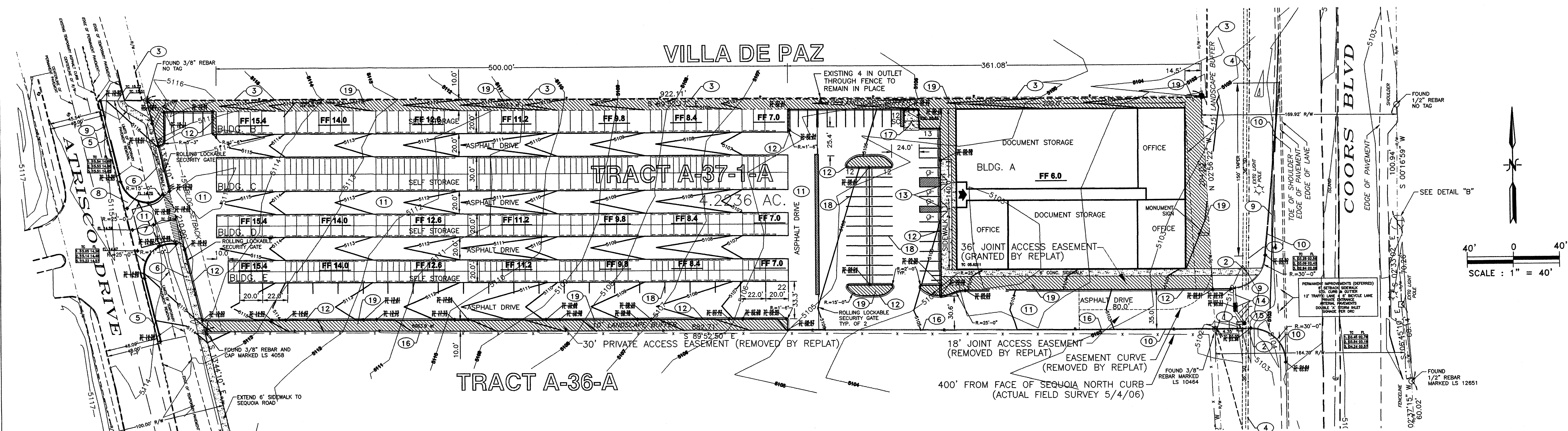
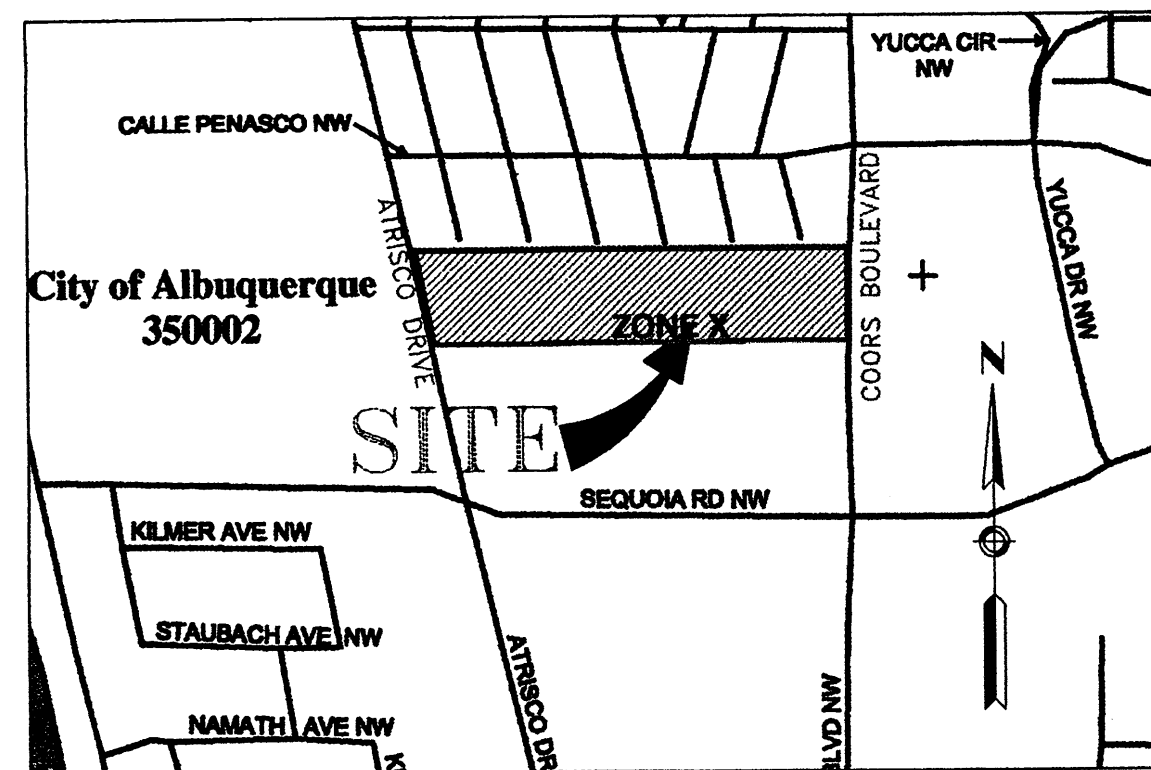




TBM: 3/8" REBAR W/CAP 10464
SE CORNER TRACT A-37-1
TBM ELV. = 5101.6885'

BM: ACS MON. NM 448-N4A
N MEDIAN COORS BLVD. NW & SEQUOIA RD. NW
BM ELV. = 5104.408

ENGINEER'S CERTIFICATION:

THE ENGINEER HAS PERSONALLY VISITED AND INSPECTED THE SITE.
NO GRADING, FILLING, OR EXCAVATIONS HAVE OCCURRED AFTER
THE TOPOGRAPHIC SURVEY WAS COMPLETED ON AUGUST 1, 2005.

JAMES L. HEWITT, JR., P.E. # 6871 DATE 08/22/07

LEGAL DESCRIPTION:
Tract A-37-1-A, Northeast Unit, Town of Atrisco Grant, City of Albuquerque, New Mexico.

FLOOD HAZARD ZONE:
Tract A-37-1-A is located in Flood Hazard Zone X (i.e., Areas determined to be outside 500-year floodplain) designated on the Federal Emergency Management Agency's (FEMA's) Flood Insurance Rate Map Panel No. 35001C0327E (November 19, 2003).

EXISTING SITE CONDITIONS:
Tract A-37-1-A is undeveloped. Tract A-37-1-A is bounded on the east by Coors Blvd. (arterial roadway) and on the west by Atrisco Drive, NW (collector roadway). Sidewalks, curbs, and gutters are not currently present along these roadways. Runoff from one small offsite drainage basin within the Via de Paz subdivision enters onto Tract A-37-1-A.

PROPOSED IMPROVEMENTS:
Proposed Improvements include four (4) outdoor storage buildings (44,800 sf) and one office/indoor storage building (28,000 sf). The outdoor storage buildings will be situated on the western two-thirds of the site. The proposed office/indoor storage building will be located on the eastern third of the site. Other improvements include grading and drainage modifications, asphalt-paved parking areas, site utilities, and landscaping.

DRAINAGE ANALYSIS:
REFERENCE: City of Albuquerque, Development Process Manual -Vol. 2,
Section 22.2 - Hydrology, January, 1993.

Principal Design Storm: 100-year 6-hour event

Precipitation Zone 1 (Table A-1)

Excess Precipitation (Table A-8):
 $E_1 = 0.44$ in (Land Treatment 'A'), $E_2 = 0.67$ in (Land Treatment 'B')
 $E_3 = 0.99$ in (Land Treatment 'C'), & $E_4 = 1.97$ in (Land Treatment 'D')

Peak Discharge (Table A-9):

$Q_{P1} = 1.29 \text{ ft}^3/\text{sec-acre}$ (Land Treatment 'A')

$Q_{P2} = 2.03 \text{ ft}^3/\text{sec-acre}$ (Land Treatment 'B')

$Q_{P3} = 2.87 \text{ ft}^3/\text{sec-acre}$ (Land Treatment 'C')

$Q_{P4} = 4.37 \text{ ft}^3/\text{sec-acre}$ (Land Treatment 'D')

On-Site 'Existing' Condition (Tract A-37-1):
Total Site Area = 183,922 ft² x 1 acre/43,560 ft² = 4.22 acres
100% Land Treatment 'C' (Table A-4)

E = 0.99 in

$$\begin{aligned} V_{360} &= 0.99 \text{ in} \times 4.22 \text{ acres} \times 1 \text{ ft}/12 \text{ in} \\ &= 0.348 \text{ acre-ft} \times 43,560 \text{ ft}^2/\text{acre} \\ &= 15,174 \text{ ft}^3 \end{aligned}$$
$$\begin{aligned} \text{Total } Q_p &= (Q_{p3} \times 4.22 \text{ acres}) \\ &= 12.12 \text{ ft}^3/\text{sec} \end{aligned}$$

On-Site 'Post Development' Condition (Tract A-37-1):
7.22% Land Treatment 'B', 17.57% Land Treatment 'C',
75.20% Land Treatment 'D'

$$\text{Weighted } E = ((E_2 \times 0.30 \text{ acres}) + (E_3 \times 0.74 \text{ acres}) + (E_4 \times 3.16 \text{ acres}) / 4.22 \text{ acres} = 1.70 \text{ in}$$

$$\begin{aligned} V_{360} &= (1.70 \text{ in} \times 4.22 \text{ acres}) \times \frac{1 \text{ ft}}{12 \text{ in}} \\ &= 0.60 \text{ acre-ft} \times 43,560 \text{ ft}^2/\text{acre} \\ &= 26,115 \text{ ft}^3 \end{aligned}$$

$$\begin{aligned} \text{Total } Q_p &= (Q_{p2} \times 0.30 \text{ acres}) + (Q_{p3} \times 0.74 \text{ acres}) + (Q_{p4} \times 3.16 \\ &\quad \text{acres}) \\ &= 16.62 \text{ ft}^3/\text{sec} \end{aligned}$$

Off-Site 'Fully Developed' Condition (Via de Paz):
 Drainage Basin Area = 23,527 ft x 1 acre/43,560 ft = 0.54 acres
 7.84% Land Treatment 'B', 92.16% Land Treatment 'D'

$$\text{Weighted } E = ((E_2 \times 0.04 \text{ acres}) + (E_4 \times 0.50 \text{ acres}))/0.54 \text{ acres}$$

$$= 1.87 \text{ in}$$

$$\begin{aligned} V_{360} &= (1.87 \text{ in} \times 0.54 \text{ acres}) \times \frac{1 \text{ ft}}{12 \text{ in}} \\ &= 0.084 \text{ acre-ft} \times \frac{43,560 \text{ ft}^2}{\text{acre}} \\ &= 3,663 \text{ ft}^3 \end{aligned}$$

$$\text{Total } Q_P = (Q_{P2} \times 0.04 \text{ acres}) + (Q_{P4} \times 0.50 \text{ acres})$$

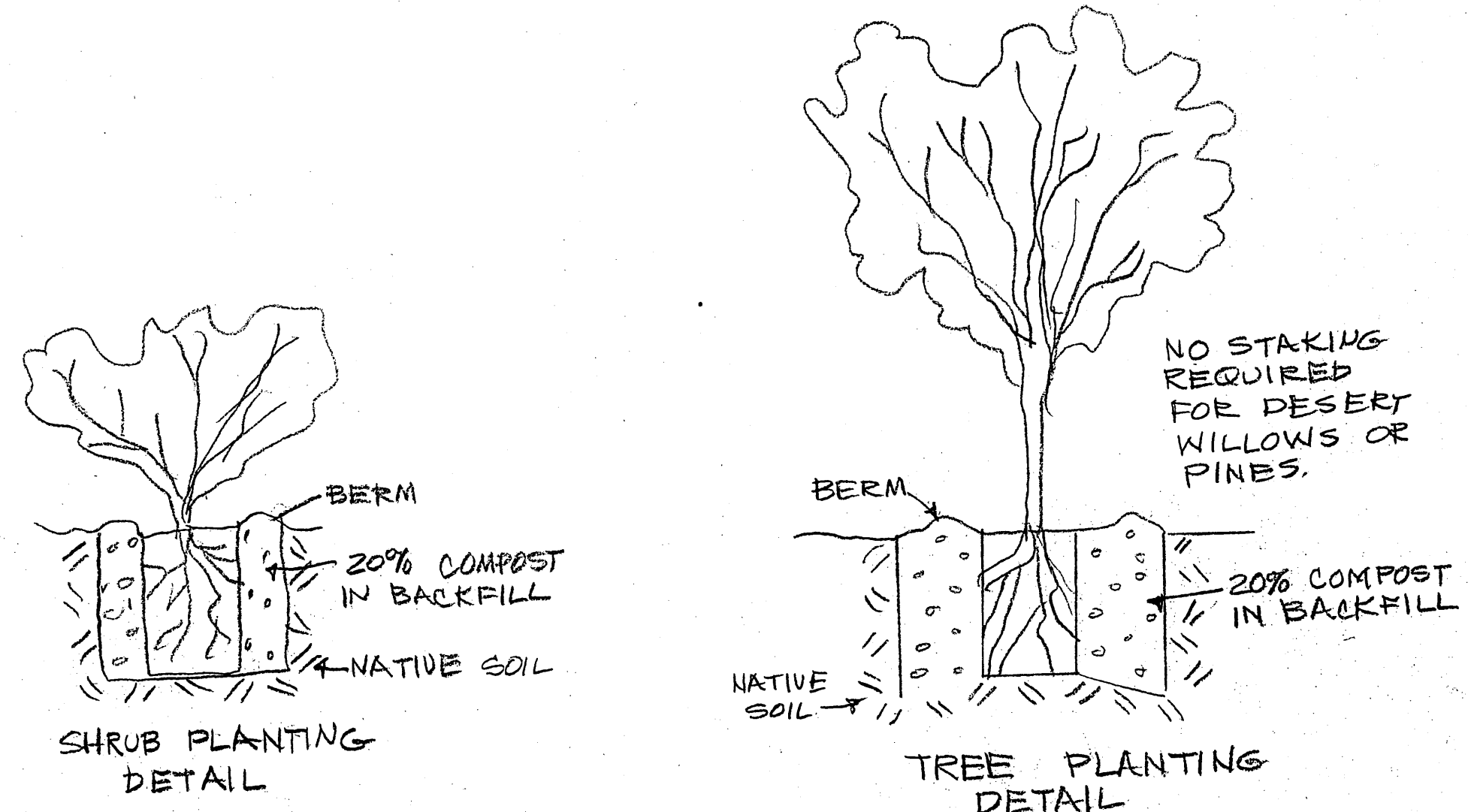
$$= 2.26 \text{ ft}^3/\text{sec}$$

All runoff from Tract A-37-1-A and offsite drainage basins is discharged to existing storm drains in Sequoia Road and Coors Boulevard. The 'Post Development' peak discharge from Tract A-37-1-A will have a minor impact on the Coors Boulevard storm drain. Free discharge from Tract A-37-1-A is recommended for the following reasons:

1. The 'Post Development' runoff from Tract A-37-1-A is a small percentage of the total runoff from the entire offsite drainage basin.
2. The Coors Boulevard storm drain has sufficient capacity to convey the 'Post Development' runoff from Tract A-37-1-A.
3. There are no storm water ponds on parcels adjacent to A-37-1-A.

PROJECT TITLE:		GLOBAL STORAGE OFFICE COMPLEX Tract A-37-1-A, Northeast Unit, Town of Atrisco Grant 3501 COORS BLVD NW ALBUQUERQUE NEW MEXICO	
SHEET TITLE:		GRADING & DRAINAGE PLAN	
MAP NO:	G-11-Z	RHOMBUS JOB NO:	05-C2-33
SHEET		C-3	

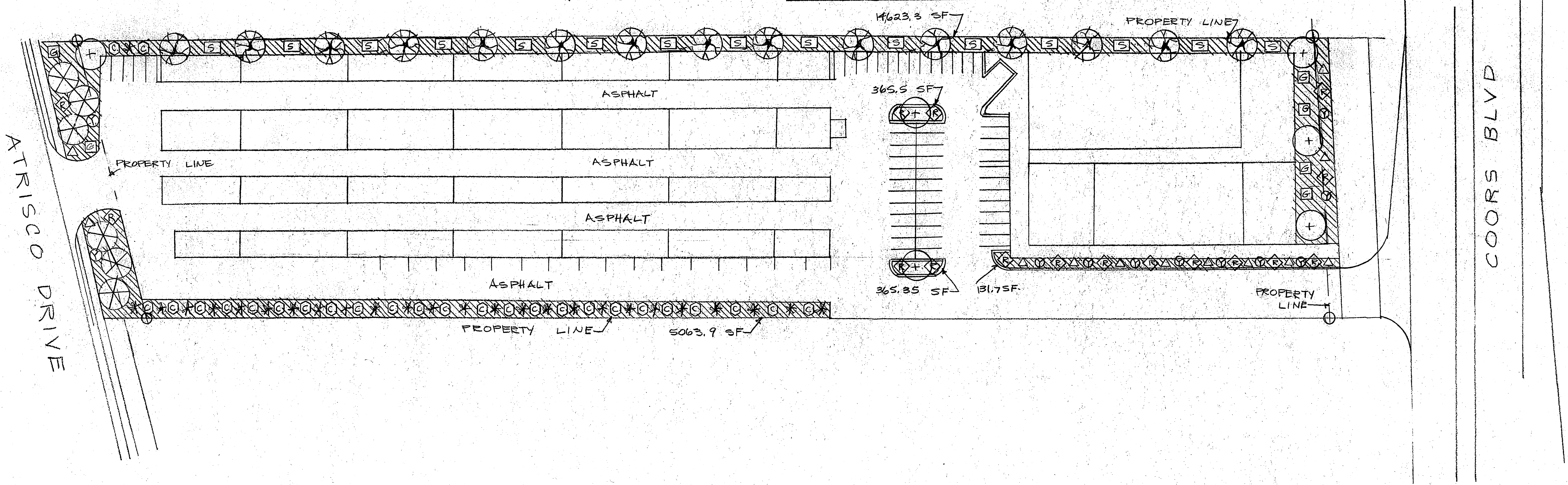
REVISIONS	BY



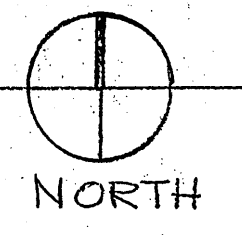
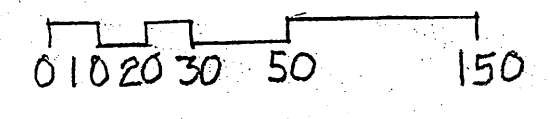
LEGEND

TOTAL	SYMBOL	SIZE	COMMON NAME	BOTANICAL NAME
6	+	15 GAL	DESERT WILLOW	CHILOPSIS LINERARIS
16	◇	5 GAL	ROSEMARY 'ARP'	ROSMARINUS OFFICINALIS
26	○	1 GAL	RABBIT BUSH	CHAMISA NAUSEOSA
26	*	1 GAL	RUSSIAN SAGE	PEROVSKIA ATRIPLICIFOLIA
6	⊞	5 GAL	MAIDEN GRASS	MISCANTHUS SINENSIS
11	⊙	1 GAL	MOONSHINE YARROW	ACHILLEA MOONSHINE
15	⊗	15 GAL	CHINESE PISTACHE	PISTACIA CHINENSIS
6	⊗	6'	AUSTRIAN PINE	PINUS NIGRA
12	△	1 GAL	RED VALARIAN	CENTRANTHUS RUBRA
15	⊞	5 GAL	SILVERBERRY	ELAEAGNUS COMMUTATA
			1" TAN GRAVEL MULCH OVER WEED BARRIER FABRIC	

VILLA DE PAZ



LANDSCAPE PLAN
SCALE 1"=40' 0"



NOTE: ALL LANDSCAPING MATERIAL SHALL BE LOW WATER USAGE CONSISTANT WITH THE CITY OF ALBUQUERQUE WATER CONSERVATION CODE 6-1-1 ET AL.

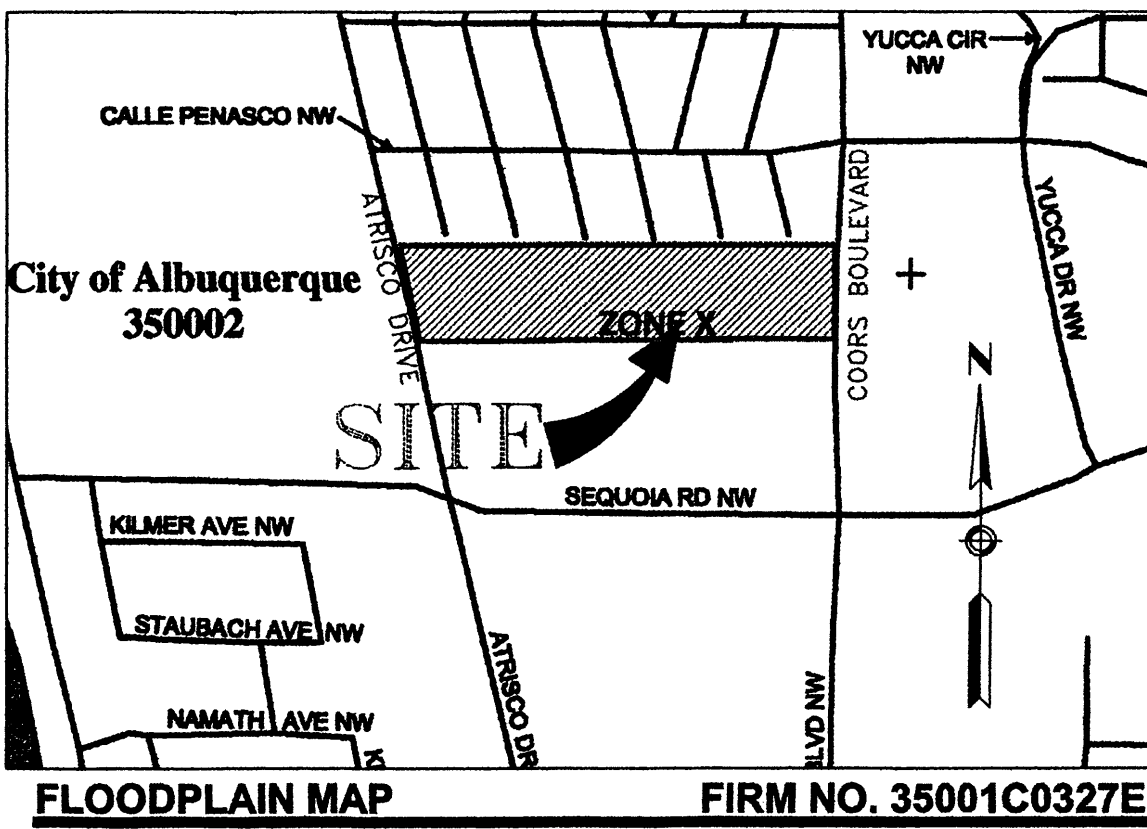
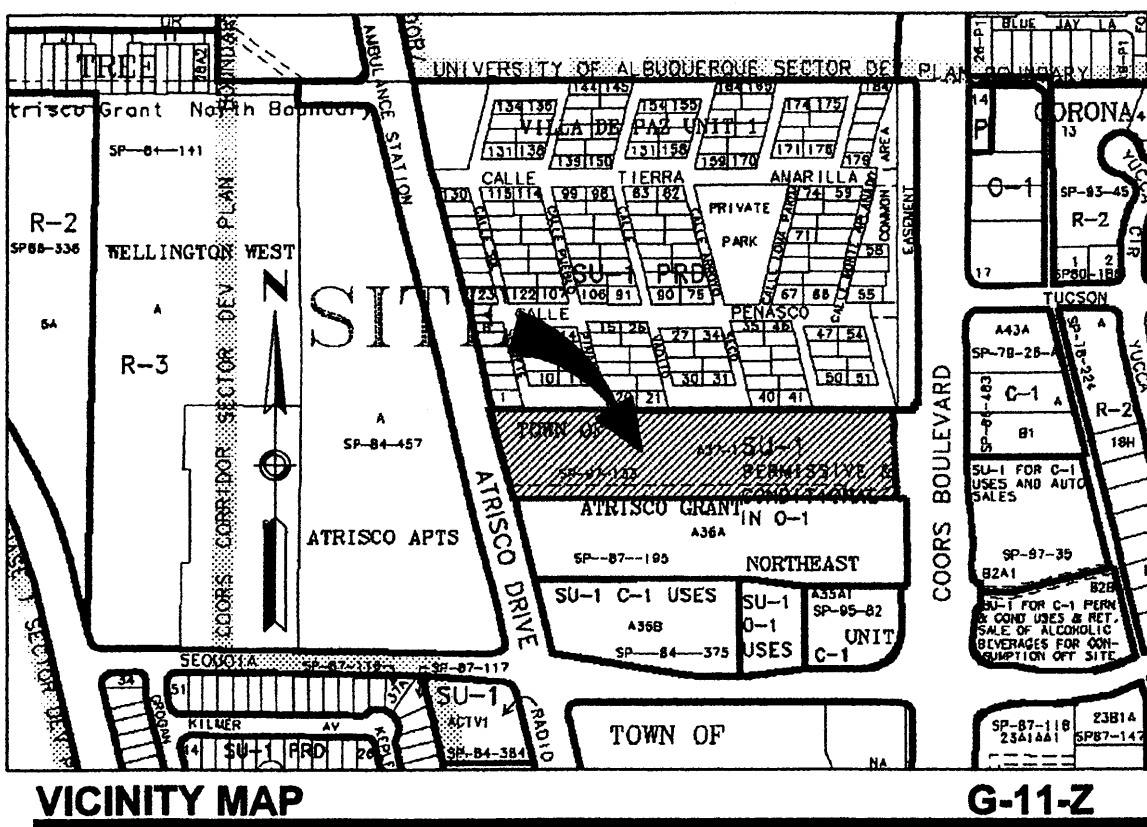
NOTE: ALL LANDSCAPING SHALL BE PROVIDED WITH A DRIP IRRIGATION SYSTEM CONTROLLED BY AN AUTOMATIC TIMER. THE OWNER WILL BE RESPONSIBLE FOR MAINTENANCE OF THE SYSTEM.

LANDSCAPE CALCULATIONS

TOTAL SF	183,839.69 SF
SF OF BLDGS	73,000 SF
NET SF:	183,839.69 - 73,000 = 770,839.69 SF
% OF LANDSCAPE REQUIRED	770,839.69 X .15 = 16,626 SF
SF OF LANDSCAPE PROVIDED	20,550.5 SF

GLOBAL STORAGE
3501 COORS BOULEVARD N.W.
ALBUQUERQUE, NEW MEXICO 87120

Date	5-17-07
Scale	1"=40' 0"
Drawn	PENNY GENTER
Job	0513
Sheet	102
Of	Sheets



LEGEND

- NEW CONCRETE SIDEWALK
- NEW LANDSCAPE AREA
- ENTRY DOOR
- PROPOSED BIKE RACK LOCATION
- CONCRETE WHEEL STOP
- HC SYMBOL PAVEMENT MARKING
- EXISTING STORM SEWER
- EXISTING STORM SEWER MANHOLE W/ BEEHIVE GRATE
- PROPOSED DOUBLE 'D' STORM INLET
- PROPOSED ELEV. CONTOUR
- EXISTING ELEV. CONTOUR
- PROPOSED BLDG FINISH FLOOR ELEV.
- EXISTING CABLE AND POST GUARDRAIL
- SET 5/8" REBAR W/ CAP LS 13979
- FOUND 3/8" REBAR AS NOTED

BASIS OF BEARINGS

NAD 27 NEW MEXICO CENTRAL ZONE

KEYED NOTES

- 1 RELOCATE TELEPHONE PEDESTAL.
- 2 REMOVE GUARDPOST WITH CABLE.
- 3 EXISTING CMU WALL TO REMAIN.
- 4 EXISTING GUARDPOST WITH CABLE TO REMAIN.
- 5 CONSTRUCT STANDARD CURB & GUTTER PER COA STD DWG #2415A.
- 6 CONSTRUCT 6' OFFSET TYPE SIDEWALK PER COA STD DWG #2430.
- 7 CONSTRUCT PRIVATE ENTRANCE PER COA STD DWG #2426.
- 8 CONSTRUCT CONCRETE VALLEY GUTTER PER COA STD DWG #2420.
- 9 CONSTRUCT FLEXIBLE ARTERIAL/COLLECTOR PAVEMENT PER COA STD DWG #2407.
- 10 CONSTRUCT TEMPORARY ASPHALT CURB PER COA STD DWG #2415A.
- 11 CONSTRUCT FLEXIBLE RESIDENTIAL PAVEMENT PER COA STD DWG #2405.
- 12 CONSTRUCT MEDIAN CURB & GUTTER PER COA STD DWG #2415A.
- 13 CONSTRUCT CONCRETE HC RAMPS.
- 14 CONSTRUCT DOUBLE "D" STORM INLET W/ 24-IN CONNECTOR PIPE, PER COA STD DWG #2206 (Qp = 25.9 CFS).
- 15 REPLACE BEEHIVE GRATE & FRAME W/ NEENAH R-2554 HD GRATE & FRAME. ADJUST RIM & LID TO MATCH FINISH GRADE.
- 16 CONSTRUCT CMU RETAINING WALL/GARDEN WALL PER ARCHITECTURAL/STRUCTURAL DETAILS.
- 17 CONSTRUCT CMU BLOCK TRASH BIN ENCLOSURE PER COA SOLID WASTE DEPARTMENT SPECIFICATIONS.
- 18 4" WIDE STRIPE PAINTED ON ASPHALT
- 19 INSTALL LANDSCAPE PER LANDSCAPE ARCHITECT DETAILS.

LEGAL DESCRIPTION:

Tract A-37-1-A, Northeast Unit, Town of Atrisco Grant, City of Albuquerque, New Mexico.

FLOOD HAZARD ZONE:

Tract A-37-1-A is located in Flood Hazard Zone X (i.e., Areas determined to be outside 500-year floodplain) designated on the Federal Emergency Management Agency's (FEMA's) Flood Insurance Rate Map Panel No. 35001C0327E (November 19, 2003).

EXISTING SITE CONDITIONS:

Tract A-37-1-A is undeveloped. Tract A-37-1-A is bounded on the east by Coors Blvd. (arterial roadway) and on the west by Atrisco Drive, NW (collector roadway). Sidewalks, curbs, and gutters are not currently present along these roadways. Runoff from one small offsite drainage basin within the Via de Paz subdivision enters onto Tract A-37-1-A.

PROPOSED IMPROVEMENTS:

Proposed improvements include four (4) outdoor storage buildings (44,800 sf) and one office/indoor storage building (28,000 sf). The outdoor storage buildings will be situated on the western two-thirds of the site. The proposed office/indoor storage building will be located on the eastern third of the site. Other improvements include grading and drainage modifications, asphalt-paved parking areas, site utilities, and landscaping.

DRAINAGE ANALYSIS:

REFERENCE: City of Albuquerque, Development Process Manual -Vol. 2, Section 22.2 - Hydrology, January, 1995.

Principal Design Storm: 100-year 6-hour event

Precipitation Zone 1 (Table A-1)

Excess Precipitation (Table A-8):

E₁ = 0.44 in (Land Treatment 'A'), E₂ = 0.67 in (Land Treatment 'B'), E₃ = 0.99 in (Land Treatment 'C'), & E₄ = 1.97 in (Land Treatment 'D')

Peak Discharge (Table A-9):

Q_{P1} = 1.29 ft³/sec-acre (Land Treatment 'A')
Q_{P2} = 2.03 ft³/sec-acre (Land Treatment 'B')
Q_{P3} = 2.87 ft³/sec-acre (Land Treatment 'C')
Q_{P4} = 4.37 ft³/sec-acre (Land Treatment 'D')

On-Site 'Existing' Condition (Tract A-37-1):

Total Site Area = 183,922 ft² x 1 acre/43,560 ft² = 4.22 acres
100% Land Treatment 'C' (Table A-4)

E = 0.99 in

V₃₆₀ = 0.99 in x 4.22 acres x 1 ft/12 in
= 0.348 acre-ft x 43,560 ft²/acre
= 15,174 ft³

Total Q_P = (Q_{P3} x 4.22 acres)
= 12.12 ft³/sec

On-Site 'Post Development' Condition (Tract A-37-1):

7.22% Land Treatment 'B', 17.57% Land Treatment 'C', 75.20% Land Treatment 'D'

Weighted E = ((E₂ x 0.30 acres) + (E₃ x 0.74 acres) + (E₄ x 3.16 acres))/4.22 acres
= 1.70 in

V₃₆₀ = (1.70 in x 4.22 acres) x 1 ft/12 in
= 0.60 acre-ft x 43,560 ft²/acre
= 26,115 ft³

Total Q_P = (Q_{P2} x 0.30 acres) + (Q_{P3} x 0.74 acres) + (Q_{P4} x 3.16 acres)
= 16.62 ft³/sec

Off-Site 'Fully Developed' Condition (Via de Paz):

Drainage Basin Area = 23,527 ft² x 1 acre/43,560 ft² = 0.54 acres
7.84% Land Treatment 'B', 92.16% Land Treatment 'D'

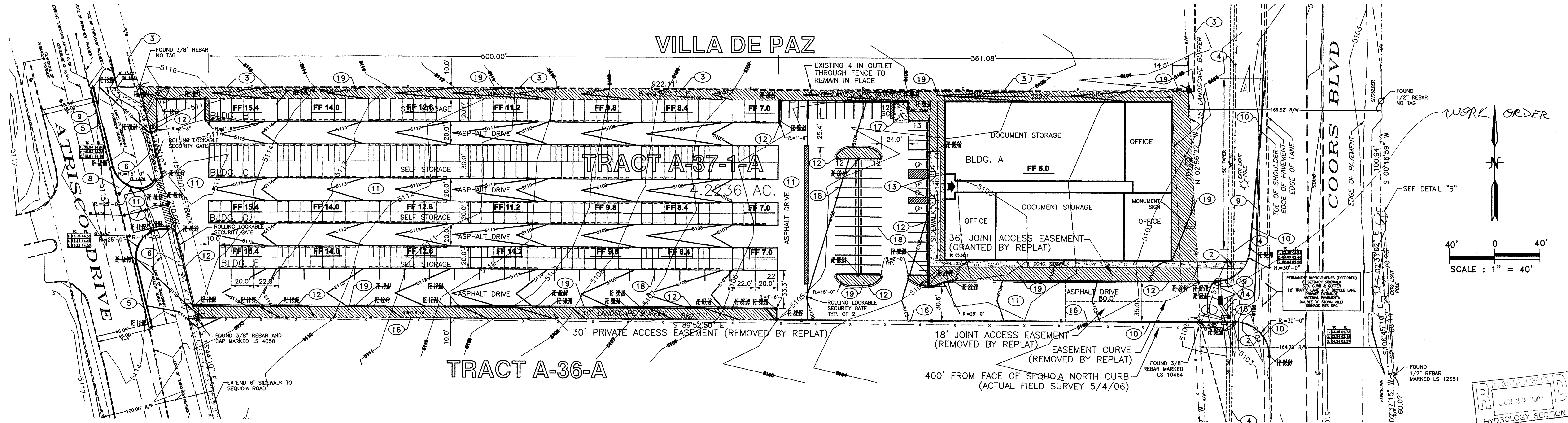
Weighted E = ((E₂ x 0.04 acres) + (E₄ x 0.50 acres))/0.54 acres
= 1.87 in

V₃₆₀ = (1.87 in x 0.54 acres) x 1 ft/12 in
= 0.084 acre-ft x 43,560 ft²/acre
= 3,663 ft³

Total Q_P = (Q_{P2} x 0.04 acres) + (Q_{P4} x 0.50 acres)
= 2.26 ft³/sec

All runoff from Tract A-37-1-A and offsite drainage basins is discharged to existing storm drains in Sequoia Road and Coors Boulevard. The 'Post Development' peak discharge from Tract A-37-1-A will have a minor impact on the Coors Boulevard storm drain. Free discharge from Tract A-37-1-A is recommended for the following reasons:

1. The 'Post Development' runoff from Tract A-37-1-A is a small percentage of the total runoff from the entire offsite drainage basin.
2. The Coors Boulevard storm drain has sufficient capacity to convey the 'Post Development' runoff from Tract A-37-1-A.
3. There are no storm water ponds on parcels adjacent to A-37-1-A.

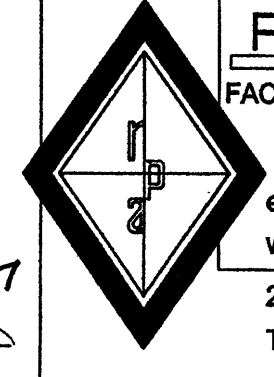
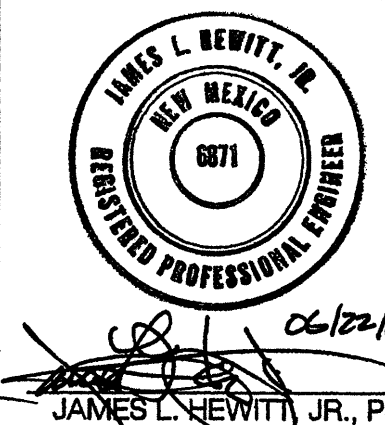


ENGINEER'S CERTIFICATION:

THE ENGINEER HAS PERSONALLY VISITED AND INSPECTED THE SITE. NO GRADING, FILLING, OR EXCAVATIONS HAVE OCCURRED AFTER THE TOPOGRAPHIC SURVEY WAS COMPLETED ON AUGUST 1, 2005.

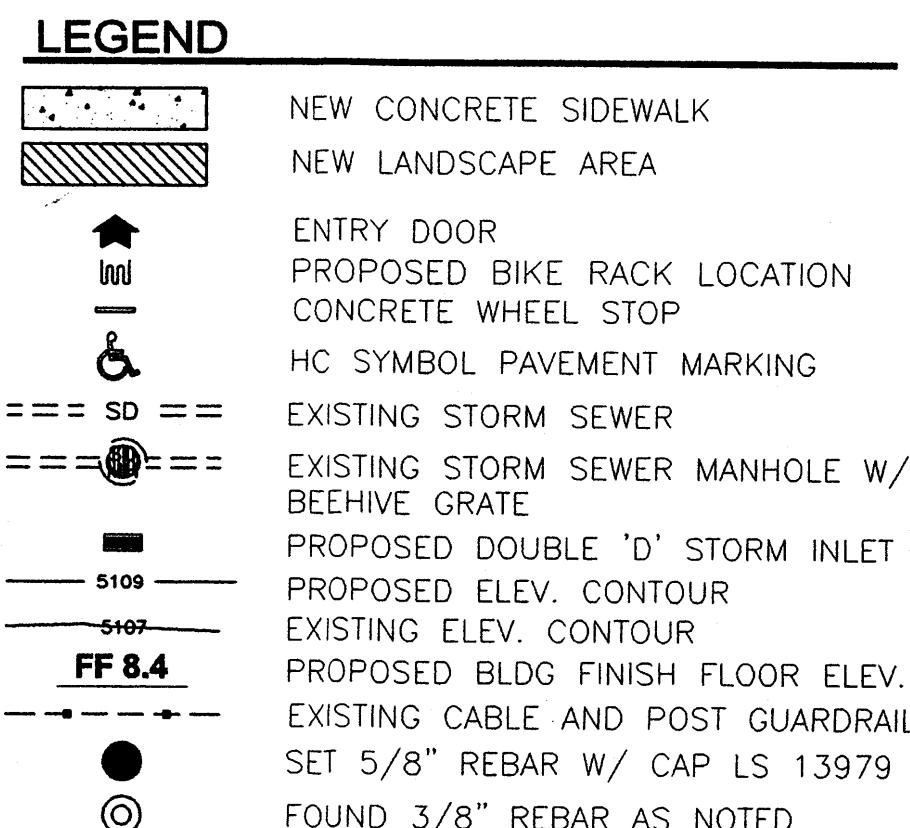
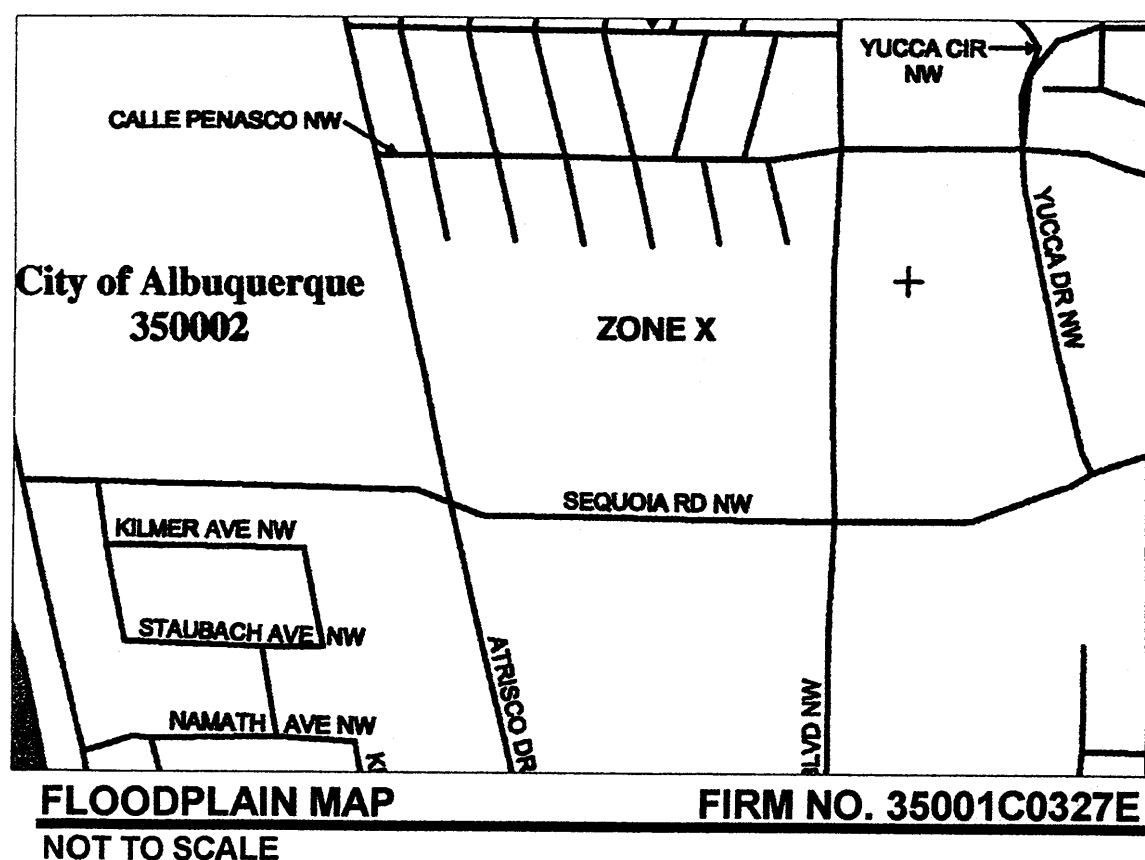
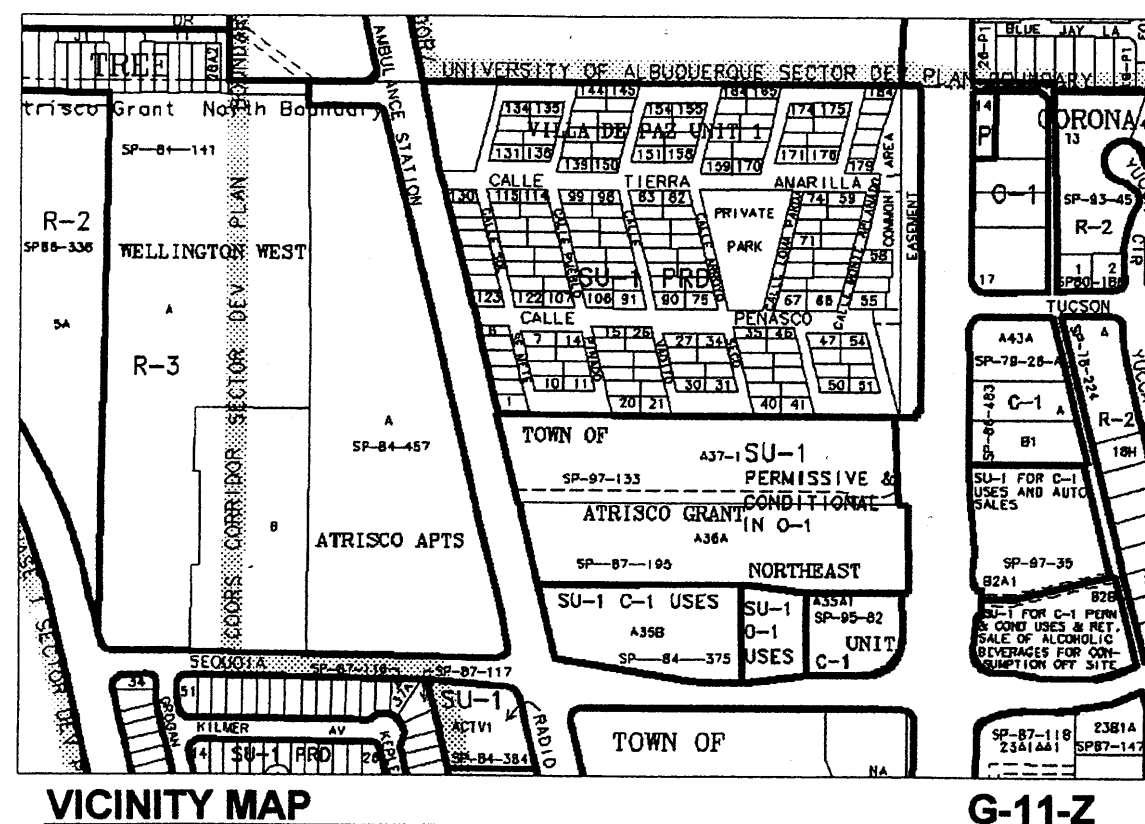
JAMES L. HEWITT, JR., P.E. # 6871

06/22/07
DATE



RHOMBUS P.A., INC.
FACILITIES ENGINEERS/ENVIRONMENTAL CONSULTANTS
e-mail: rhombus@nmia.com
web site: www.RHOMBUSPA.COM
2620 San Mateo NE Suite B Albuquerque, NM 87110
TEL. (505) 881-6690 FAX (505) 881-6696

PROJECT TITLE:			
GLOBAL STORAGE OFFICE COMPLEX			
Tract A-37-1-A, Northeast Unit, Town of Atrisco Grant			
3501 COORS BLVD NW ALBUQUERQUE NEW MEXICO			
SHEET TITLE:			
GRADING & DRAINAGE PLAN			
MAP NO:	G-11-Z	RHOMBUS JOB NO:	05-C2-33
SHEET	C-3		



BASIS OF BEARINGS

NAD 27 NEW MEXICO CENTRAL ZONE

DRAINAGE CERTIFICATION WITH VERIFICATION

I, CELIA S. TOMLINSON, NMPE 4895, OF THE FIRM RHOMBUS P.A., 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 6-23-2007. 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 CERTIFICATE OF OCCUPATION.

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

Celia S. Tomlinson
CELIA S. TOMLINSON, PE.

KEYED NOTES

1. RELOCATE TELEPHONE PEDESTAL.
2. REMOVE GUARDPOST WITH CABLE.
3. EXISTING CMU WALL TO REMAIN.
4. EXISTING GUARDPOST WITH CABLE TO REMAIN.
5. CONSTRUCT STANDARD CURB & GUTTER PER COA STD DWG #2415A.
6. CONSTRUCT 6' OFFSET TYPE SIDEWALK PER COA STD DWG #2430.
7. CONSTRUCT PRIVATE ENTRANCE PER COA STD DWG #2426.
8. CONSTRUCT CONCRETE VALLEY GUTTER PER COA STD DWG #2420.
9. CONSTRUCT FLEXIBLE ARTERIAL/COLLECTOR PAVEMENT PER COA STD DWG #2407.
10. CONSTRUCT TEMPORARY ASPHALT CURB PER COA STD DWG #2415A.
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12. CONSTRUCT MEDIAN CURB & GUTTER PER COA STD DWG #2415A.
13. CONSTRUCT CONCRETE HC RAMPS.
14. CONSTRUCT DOUBLE "D" STORM INLET W/ 24-IN CONNECTOR PIPE, PER COA STD DWG #2206 ($Q_p = 25.9$ CFS).
15. REPLACE BEEHIVE GRATE & FRAME W/ NEENAH R-2554 HD GRATE & FRAME. ADJUST RIM & LID TO MATCH FINISH GRADE.
16. CONSTRUCT CMU RETAINING WALL/GARDEN WALL PER ARCHITECTURAL/STRUCTURAL DETAILS.
17. CONSTRUCT CMU BLOCK TRASH BIN ENCLOSURE PER COA SOLID WASTE DEPARTMENT SPECIFICATIONS.
18. 4" WIDE STRIPE PAINTED ON ASPHALT.
19. INSTALL LANDSCAPE PER LANDSCAPE ARCHITECT DETAILS.

LEGAL DESCRIPTION:

Tract A-37-1-A, Northeast Unit, Town of Atrisco Grant, City of Albuquerque, New Mexico.

FLOOD HAZARD ZONE:

Tract A-37-1-A is located in Flood Hazard Zone X (i.e., Areas determined to be outside 500-year floodplain) designated on the Federal Emergency Management Agency's (FEMA's) Flood Insurance Rate Map Panel No. 35001C0327E (November 19, 2003).

EXISTING SITE CONDITIONS:

Tract A-37-1-A is undeveloped. Tract A-37-1-A is bounded on the east by Coors Blvd. (arterial roadway) and on the west by Atrisco Drive, NW (collector roadway). Sidewalks, curbs, and gutters are not currently present along these roadways. Runoff from one small offsite drainage basin within the Via de Paz subdivision enters onto Tract A-37-1-A.

PROPOSED IMPROVEMENTS:

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DRAINAGE ANALYSIS:

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$Q_1 = 1.29$ ft³/sec-acre (Land Treatment 'A')
 $Q_2 = 2.03$ ft³/sec-acre (Land Treatment 'B')
 $Q_3 = 2.87$ ft³/sec-acre (Land Treatment 'C')
 $Q_4 = 4.37$ ft³/sec-acre (Land Treatment 'D')

On-Site 'Existing' Condition (Tract A-37-1):

Total Site Area = 183,922 ft² x 1 acre/43,560 ft² = 4.22 acres
 100% Land Treatment 'C' (Table A-4)

$E = 0.99$ in

$V_{360} = 0.99$ in x 4.22 acres x 1 ft/12 in
 = 0.348 acre-ft x 43,560 ft²/acre
 = 15,174 ft³

Total $Q_p = (Q_{p3} \times 4.22 \text{ acres})$
 = 12.12 ft³/sec

On-Site 'Post Development' Condition (Tract A-37-1):
 7.22% Land Treatment 'B', 17.57% Land Treatment 'C',
 75.20% Land Treatment 'D'

Weighted $E = ((E_2 \times 0.30 \text{ acres}) + (E_3 \times 0.74 \text{ acres}) + (E_4 \times 3.16 \text{ acres}))/4.22 \text{ acres}$
 = 1.70 in

$V_{360} = (1.70 \text{ in} \times 4.22 \text{ acres}) \times 1 \text{ ft}/12 \text{ in}$
 = 0.60 acre-ft x 43,560 ft²/acre
 = 26,115 ft³

Total $Q_p = (Q_{p2} \times 0.30 \text{ acres}) + (Q_{p3} \times 0.74 \text{ acres}) + (Q_{p4} \times 3.16 \text{ acres})$
 = 16.62 ft³/sec

Off-Site 'Fully Developed' Condition (Via de Paz):

Drainage Basin Area = 23,527 ft² x 1 acre/43,560 ft² = 0.54 acres
 7.84% Land Treatment 'B', 92.16% Land Treatment 'D'

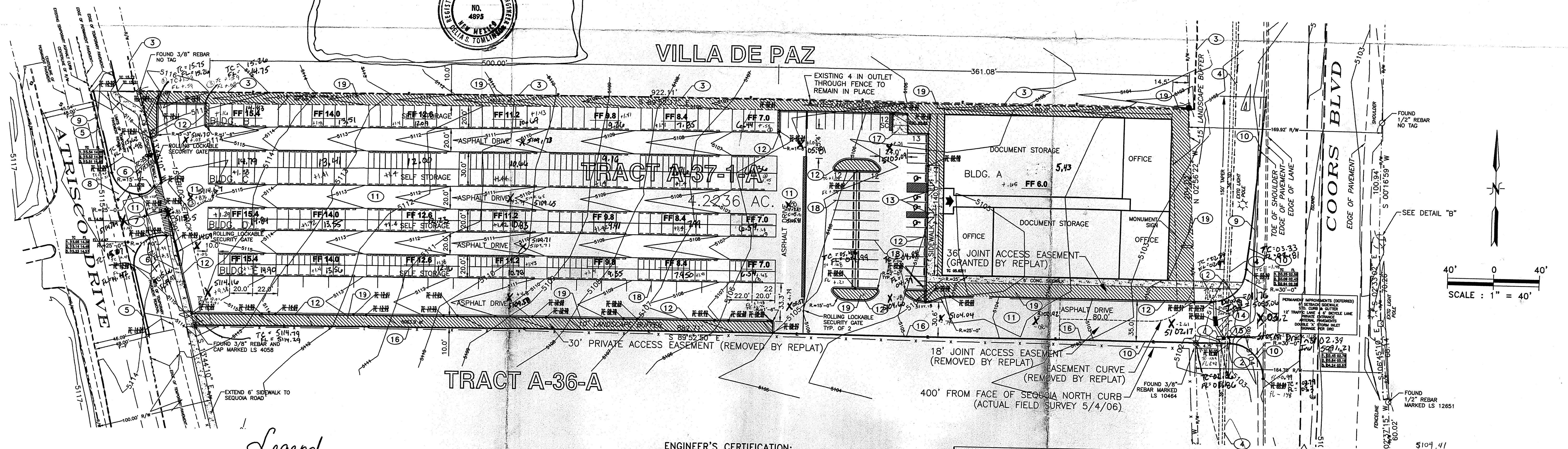
Weighted $E = ((E_2 \times 0.04 \text{ acres}) + (E_4 \times 0.50 \text{ acres}))/0.54 \text{ acres}$
 = 1.87 in

$V_{360} = (1.87 \text{ in} \times 0.54 \text{ acres}) \times 1 \text{ ft}/12 \text{ in}$
 = 0.084 acre-ft x 43,560 ft²/acre
 = 3,663 ft³

Total $Q_p = (Q_{p2} \times 0.04 \text{ acres}) + (Q_{p4} \times 0.50 \text{ acres})$
 = 2.26 ft³/sec

All runoff from Tract A-37-1-A and offsite drainage basins is discharged to existing storm drains in Sequoia Road and Coors Boulevard. The 'Post Development' peak discharge from Tract A-37-1-A will have a minor impact on the Coors Boulevard storm drain. Free discharge from Tract A-37-1-A is recommended for the following reasons:

1. The 'Post Development' runoff from Tract A-37-1-A is a small percentage of the total runoff from the entire offsite drainage basin.
2. The Coors Boulevard storm drain has sufficient capacity to convey the 'Post Development' runoff from Tract A-37-1-A.
3. There are no storm water ponds on parcels adjacent to A-37-1-A.



Legend

- 5113 — DESIGNED CONTOUR LINE
- 5113 — PRE-DESIGN CONTOUR LINE
- 5113 — PRE-DESIGN CONTOUR LINE
- * 5114.16 FF 15.4 AS-BUILT SPOT ELEVATION
- 14.90 DESIGNED FIN. FLOOR ELEV.
- TC 15.07 AS-BUILT FIN. FLOOR ELEV.
- PL 19.42 AS-BUILT FLOWLINE ELEV.

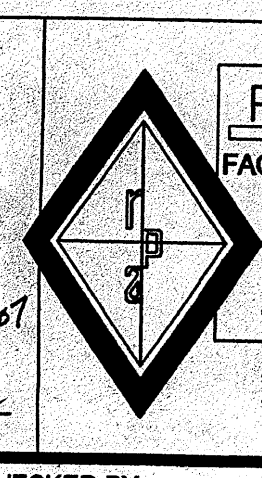
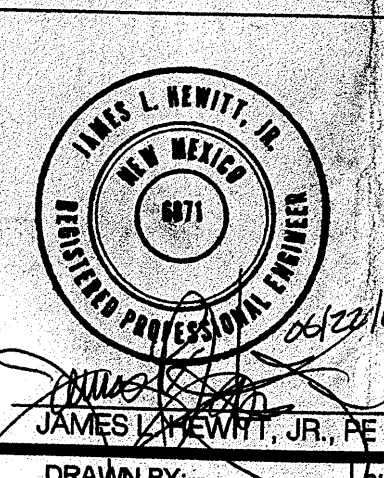
TBM: 3/8" REBAR W/CAP 10464
 SE CORNER TRACT A-37-1
 TBM ELV. = 5101.6885'

BM: ACS MON. NM 448-N4A
 N MEDIAN COORS BLVD. NW & SEQUOIA RD. NW
 BM ELV. = 5104.408

ENGINEER'S CERTIFICATION:

THE ENGINEER HAS PERSONALLY VISITED AND INSPECTED THE SITE. NO GRADING, FILLING, OR EXCAVATIONS HAVE OCCURRED AFTER THE TOPOGRAPHIC SURVEY WAS COMPLETED ON AUGUST 1, 2005.

JAMES L. HEWITT, JR., P.E. 6871
 DATE 06/22/07



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PROJECT TITLE:

GLOBAL STORAGE OFFICE COMPLEX

Tract A-37-1-A, Northeast Unit, Town of Atrisco Grant
 3501 COORS BLVD NW ALBUQUERQUE NEW MEXICO

SHEET TITLE:

GRADING & DRAINAGE PLAN

MAP NO:

G-11-Z

RHOMBUS JOB NO:

05-C2-33

SHEET

C-3

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HYDROLOGY
SECTION