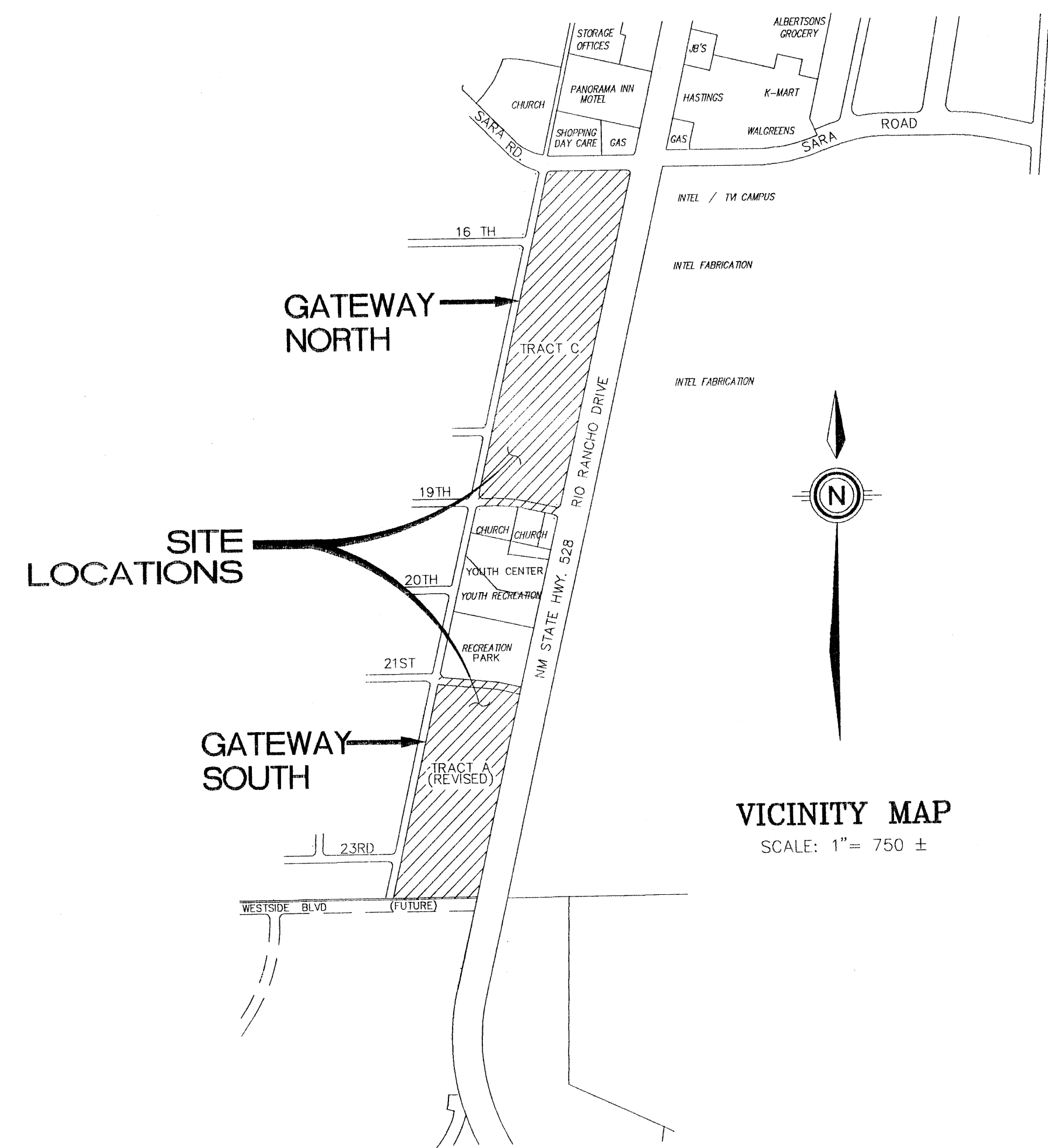


GATEWAY

CITY OF RIO RANCHO, SANDOVAL COUNTY, NEW MEXICO IMPROVEMENTS FOR GRADING AND EROSION CONTROL PLAN

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET AND INDEX TO DRAWINGS
2-5	PLATS OF GEOMETRY
6	GRADING AND EROSION CONTROL PLAN GATEWAY SOUTH
7-8	GRADING AND EROSION CONTROL PLAN GATEWAY NORTH
9	POND OUTFALL CROSS SECTIONS



- NOTE:
1. THE CONTRACTOR SHALL CLEAR AND GRUB THE TOP 6" OF THE PROJECT SITE. THE MATERIALS FROM CLEARING AND GRUBBING SHALL BE STOCKPILED, AND USED AS THE TOP LAYER OF THE FINISHED LOTS.
 2. LOT AREAS SHALL BE REVEGETATED WITH NATIVE GRASSES AT A RATE OF 12 LBS/ACRE.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEER'S SEAL				DATE: FEB, 1994		APPROVED FOR CONSTRUCTION	
				SCALE: AS SHOWN		CITY ENGINEER	
				DESIGNED: TLM, TLM		DATE	
				DRAIN: SPS			
JOB NO.: 71-21-037				LAND PLANNING P.O. Box 1328		ENGINEERING SURVEYING Corrales, N.M. 87048	
PROJECT NO.				SHEET 1 OF 8			

INSTRUMENT NO. _____

GATEWAY SOUTH

TRACTS A-1 THROUGH A-13

NOVEMBER, 1993

COMPRISING A PORTION OF AMENDED TRACT A
UNIT 16, RIO RANCHO ESTATES

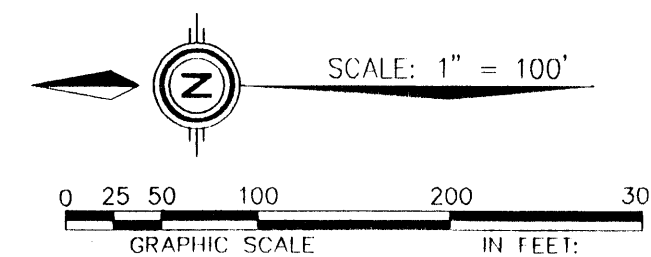
SITUATE WITHIN

THE TOWN OF ALAMEDA GRANT
PROJECTED SECTION 31 T12 N., R3 E. N.M.P.M.
CITY OF RIO RANCHO
SANDOVAL COUNTY
NEW MEXICO

SHEET 2 OF 3

PLAT OF GEOMETRY

(SEE SHEET 3 OF 3 FOR EASEMENTS)

DETAIL "A"
SCALE: 1"=20"UNIT SIXTEEN
RIO RANCHO ESTATES
TRACT A-2
(FILED 5-12-93, VOL. 3, FOLIO 1049-B)
(RIO RANCHO PLAT BOOK NO.6 PAGE 104)

CURVE TABLE									
CURVE	RADIUS	ARC	DELTA	TANGENT	CHORD	BRG	CHORD	BRG	CHORD
1	75.00	117.82	090-00-31	75.01	S32-08-16E	106.07			
2	50.00	67.16	076-57-26	39.74	S51-20-43W	62.22			
3	200.00	359.69	103-02-34	251.63	N36-39-17W	313.14			
4	200.00	11.46	003-16-58	5.73	N11-13-31E	11.46			
5	200.00	348.23	099-45-36	237.34	N40-17-46W	305.88			
6	200.00	288.44	082-37-54	175.80	N54-10-57E	264.08			
7	200.00	24.82	007-06-33	12.42	N16-25-18E	24.80			
8	200.00	263.62	075-31-21	154.92	N57-44-13E	244.95			
9	400.00	51.38	007-21-35	25.73	S80-49-19E	51.34			
10	142.50	48.25	019-24-02	24.36	N22-34-01E	48.02			
11	30.00	46.44	020-28-05	23.47	N45-18-59E	46.19			

TIE: S 89°49'26" W, 2998.44' (GRND)
NEW MEXICO STATE PLANE COORDINATES
ESTABLISHED BY ALBUQUERQUE CITY SURVEY
(CENTRAL ZONE) NAD27
X=573,326.28
GROUND TO GRID = 0.9996695
DELTA ALPHA = -00°14'40"
ELEVATION = 5204.21

DATE: NOV. 24, 1993
SCALE: 1"=100'
DESIGNED: C.A.S.
DRAWN: S.P.S.
JOB NO: 71-21-025

community sciences corporation

INSTRUMENT NO. _____

GATEWAY SOUTH

TRACTS A-1 THROUGH A-13

NOVEMBER, 1993

COMPRISING A PORTION OF AMENDED TRACT A
UNIT 16, RIO RANCHO ESTATES

SITUATE WITHIN

THE TOWN OF ALAMEDA GRANT
PROJECTED SECTION 31 T12 N., R3 E. N.M.P.M.
CITY OF RIO RANCHO
SANDOVAL COUNTY
NEW MEXICO

SHEET 3 OF 3

GRANT AND LOCATION OF EASEMENTS**SETBACKS:**

Setbacks from property lines and street rights-of-way lines to principal structures, as defined in the City of Rio Rancho Subdivision Ordinance, are the more restrictive of that Ordinance and the following, as hereby established.

(New) Grande Blvd.	40 feet
Sara Road	40 feet
21st Avenue	40 feet
N.M.S.R. #528	40 feet
Cut-De-Sac	40 feet

Other, Interior Lot Lines created by this Replat (not encumbered by easements as shown hereon and/or modified by the Developer and their assigns).

None, providing all buildings are either attached (common wall or minimum fire separation) or detached. Detached buildings must maintain a minimum separation of 20 feet between structures.

EASEMENTS:

The replat (subdivision) contained herein includes the vacation of certain easements and the grant of additional easements as further described below and as shown on the accompanying map. "Owners" mean and refer to the parties of interest to the real estate subdivided by this plat, including their successors and assigns. "Developers" means and refers to the preparator (subdivisor) of this instrument including all interests to the described real estate, including security interests. "Maintenance Association" means and refers to any association, trust, partnership, corporation or entity created pursuant to the covenants recorded with this plat that has as its primary obligation the installation, maintenance, irrigation, paving and replacement of landscaping, paving, walkways and areas set forth by the developer as the joint obligation of all owners.

As signatories to the approval of this plat, the utilities, governmental entities and parties herein named accept the grant of easements as hereby created and subscribe and agree to the Vacation of certain portions of existing easements.

The easements effected by this plat are as shown hereon and are:

TYPE 1 EASEMENT: a Landscaping Easement and Drainage Easement GRANTED to the Owners, the Developer and to the Maintenance Association, including the right to landscape, irrigate, maintain and replace surface and subsurface facilities, including signage and lighting.

TYPE 2 EASEMENT: an underground Utility Easement GRANTED to the City of Rio Rancho, the Gas Company of New Mexico and to Rio Rancho Utilities for gas lines, water, sanitary sewer and drainage conduits including appurtenances.

TYPE 3 EASEMENT: an underground Easement for Electric Power, Telephone, Television and Security Communications GRANTED to the Public Service Company of New Mexico, U.S. West, Post/Newsweek Cable and other public and private service companies including the surface rights for transformers, pedestals, switch gear and appurtenances. The surface uses for communications and electric utilities is limited for placement so as not to interfere with and conflicting access, drainage or other easements granted to others.

TYPE 4 EASEMENT: a Landscaping Easement GRANTED to the Owners, the Developer and the Maintenance Association, including the right to landscape, irrigate, maintain and replace surface and subsurface facilities, including signage and lighting. See covenants for any restrictions and exceptions applicable to the easement areas. Surface and/or subsurface drainage Infrastructure may cross through this easement.

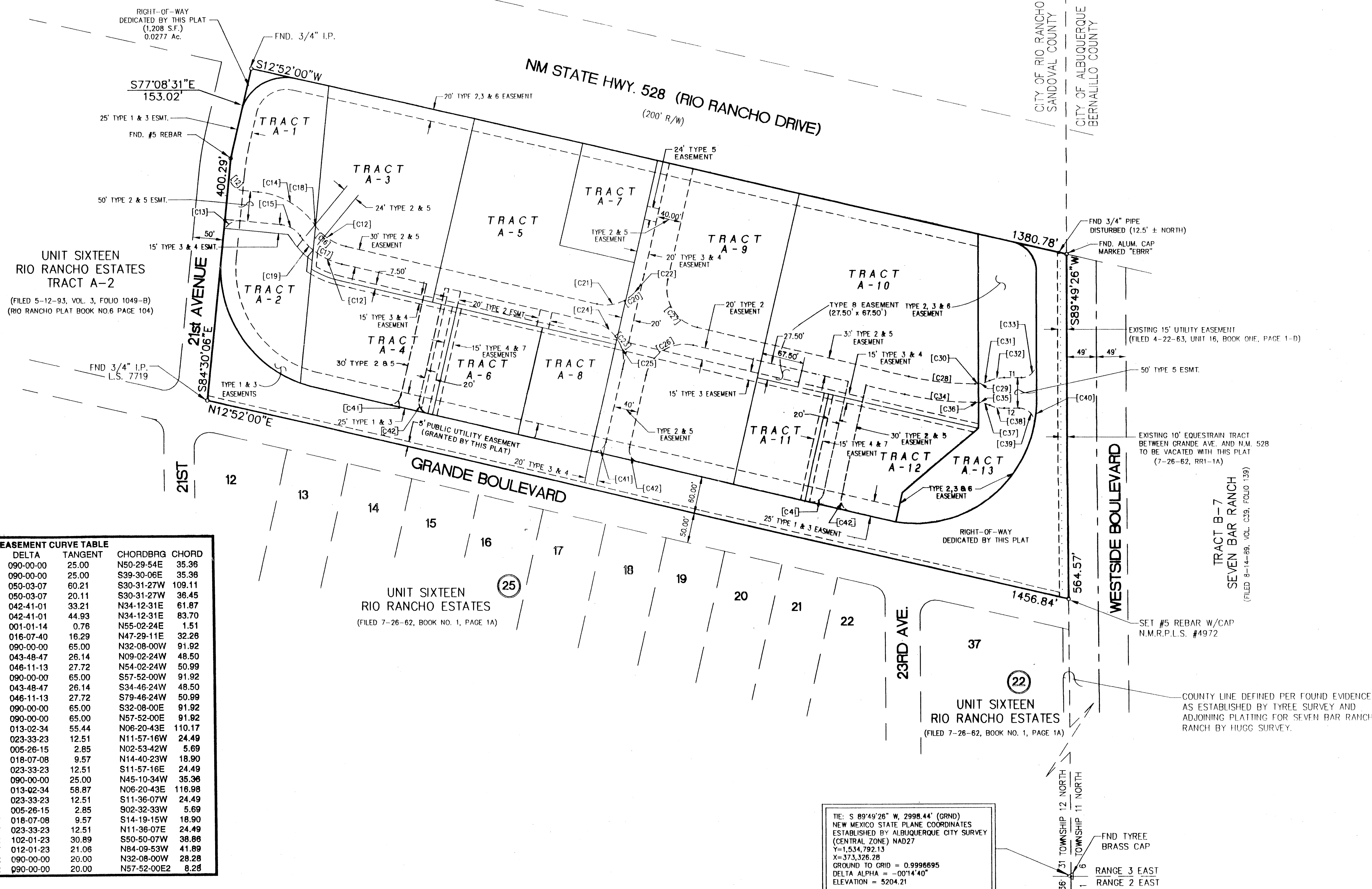
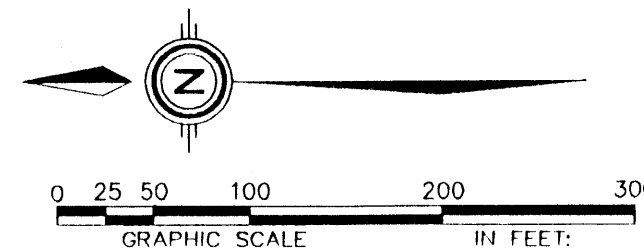
TYPE 5 EASEMENT: a surface and/or underground Drainage Easement and a Reciprocal Access Easement GRANTED to the Owners, the Developer, the Maintenance Association and their assigns. Access provisions include all vehicles including truck, bus and delivery systems and for pedestrian and bicycle use.

TYPE 6 EASEMENT: a Landscaping, Non-Vehicular Access, and Drainage Easement GRANTED to the City of Rio Rancho for drainage and pedestrian and bicycle access purposes and to the Owners, the Developer and to the Maintenance Association, including the right to landscape, irrigate, maintain and replace surface and subsurface facilities, including signage and lighting and for "street furniture" and pedestrian facilities including benches, walks, bus stops and the like. The grant of certain uses and easement to the City of Rio Rancho includes the right of the City as a "touch and concern" party for the enforcement of any covenants which may be placed within the real estate for appearance, safety, maintenance, drainage and pedestrian and bicycle traffic functions.

TYPE 7 EASEMENT: a surface and/or underground Drainage Easement GRANTED to the Owners, the Developer and the Maintenance Association and their assigns, including the right to install, maintain and replace surface and subsurface drainage facilities including appurtenances.

TYPE 8 EASEMENT: a Utility Easement GRANTED to Rio Rancho Utilities for a sewage lift station and related appurtenances.

EASEMENT CURVE TABLE				
CURVE RADIUS	ARC	DELTA	TANGENT	CHORD
12	25.00	39.27	090-00-00	25.00
13	25.00	39.27	090-00-00	25.00
14	128.96	112.66	050-03-07	60.21
15	43.08	37.64	050-03-07	20.11
16	85.00	63.32	042-41-01	33.21
17	115.00	85.67	042-41-01	44.93
18	85.00	1.51	001-01-14	0.76
19	115.00	32.37	016-07-40	16.29
20	65.00	102.10	090-00-00	65.00
21	65.00	49.70	043-48-47	26.14
22	65.00	52.40	046-11-13	27.72
23	65.00	102.10	090-00-00	65.00
24	65.00	49.70	043-48-47	26.14
25	65.00	52.40	046-11-13	27.72
26	65.00	102.10	090-00-00	65.00
27	65.00	102.10	090-00-00	65.00
28	485.00	110.41	013-02-34	55.44
29	60.00	24.67	023-33-23	12.51
30	60.00	5.69	005-26-15	2.85
31	60.00	18.97	018-07-08	9.57
32	60.00	24.67	023-33-23	12.51
33	25.00	39.27	090-00-00	25.00
34	515.00	117.23	013-02-34	58.87
35	60.00	24.67	023-33-23	12.51
36	60.00	5.69	005-26-15	2.85
37	60.00	18.97	018-07-08	9.57
38	60.00	24.67	023-33-23	12.51
39	25.00	44.52	102-01-23	30.89
40	200.00	41.97	012-01-23	21.06
41	20.00	31.42	090-00-00	20.00
42	20.00	31.42	090-00-00	20.00



TIE: S 89°49'26" W, 2998.44' (GRND)
NEW MEXICO STATE PLANE COORDINATES
ESTABLISHED BY ALBUQUERQUE CITY SURVEY
(CENTRAL ZONE) NAD27
X=1,534,792.13
Y=373,326.28
GROUND TO GRID = 0.9995695
DELTA ALPHA = -00°14'40"
ELEVATION = 5204.21

DATE: NOV. 24, 1993
SCALE: 1"=100'
PREPARED BY: CAS
DRAWN BY: SPS
JOB NO.: 71-21-025

COMMUNITY SCIENCES CORPORATION
10000 N. 10TH AVENUE, SUITE 100
DALLAS, TEXAS 75243
TEL: (214) 343-1111
FAX: (214) 343-1112

INSTRUMENT NO. _____

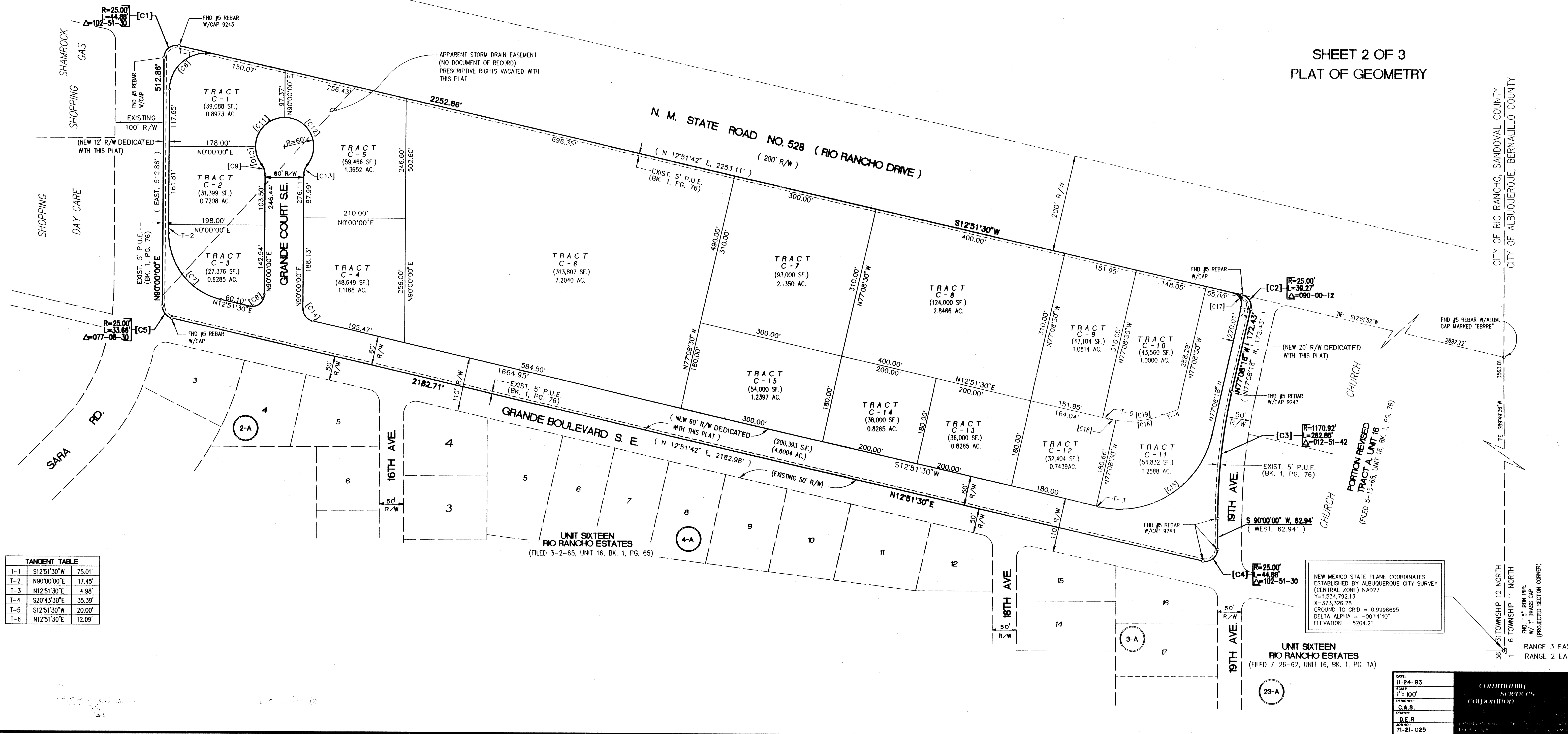
GATEWAY NORTH

TRACTS C-1 THROUGH C-15

NOVEMBER, 1993
 COMPRISING ALL OF "REVISED TRACT C"
 UNIT 16, RIO RANCHO ESTATES
 SITUATE WITHIN
 THE TOWN OF ALAMEDA GRANT
 PROJECTED SECTION 31, T12N, R3E, N.M.P.M.
 CITY OF RIO RANCHO
 SANDOVAL COUNTY
 NEW MEXICO

SHEET 2 OF 3
 PLAT OF GEOMETRY

CURVE	RADIUS	ARC	DELTA	TANGENT	CHORD	CHORD BRG
C1	25.00	44.88	102°51'30"	31.35	39.09	S38°34'15"E
C2	25.00	39.27	090°00'12"	25.00	35.36	S57°51'36"W
C3	1170.92	262.85	012°51'42"	131.98	262.29	S83°34'09"E
C4	25.00	44.88	102°51'30"	31.35	39.09	N38°34'15"W
C5	25.00	33.66	077°08'30"	19.94	31.17	N51°25'45"E
C6	75.00	134.64	102°51'30"	94.05	117.28	S38°34'15"E
C7	140.00	188.49	077°08'30"	111.64	174.57	N51°25'45"E
C8	25.00	44.88	102°51'30"	31.35	39.09	N38°34'15"W
C9	35.00	23.13	037°51'49"	12.00	22.71	S71°04'05"W
C10	80.00	39.65	037°51'49"	20.58	39.83	N71°04'05"E
C11	80.00	94.25	090°00'00"	60.00	84.65	S45°00'00"E
C12	80.00	133.90	127°51'49"	122.65	107.79	S63°55'55"W
C13	35.00	23.13	037°51'49"	12.00	22.71	S71°04'05"E
C14	25.00	33.66	077°08'30"	19.94	31.17	N51°25'45"E
C15	195.00	306.29	089°59'48"	194.99	275.76	N32°08'24"W
C16	192.50	96.85	028°49'34"	49.47	95.83	N06°18'43"W
C17	25.00	39.27	090°00'12"	25.00	35.36	S57°51'36"W
C18	192.50	15.98	004°45'26"	8.00	15.98	N10°28'47"E
C19	192.50	112.83	033°35'00"	58.09	111.22	N03°56'00"W



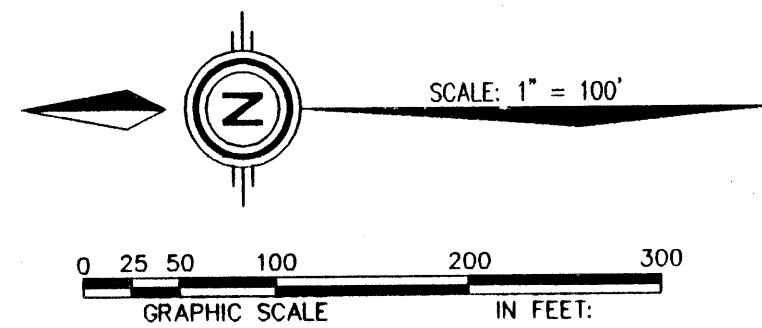
TANGENT	TABLE
T-1	S12°51'30"W 75.01'
T-2	N90°00'00"E 17.45'
T-3	N12°51'30"E 4.98'
T-4	S20°43'30"E 35.39'
T-5	S12°51'30"W 20.00'
T-6	N12°51'30"E 12.09'

NEW MEXICO STATE PLANE COORDINATES
 ESTABLISHED BY ALBUQUERQUE CITY SURVEY
 (CENTRAL ZONE) NAD27
 Y=1,534,792.13
 X=373,326.28
 GROUND TO GRID = 0.9996695
 DELTA ALPHA = -0014'40"
 ELEVATION = 5204.21

UNIT SIXTEEN
 RIO RANCHO ESTATES
 (FILED 7-26-62, UNIT 16, BK. 1, PG. 1A)

DATE: 11-24-93
 SCALE: 1"=100'
 DESIGNED: C.A.S.
 DRAWN: D.E.R.
 CHECKED: 71-21-025

community sciences corporation



EASEMENTS:

The replat (subdivision) contained herein includes the vacation of certain easements and the grant of additional easements as further described below and as shown on the accompanying map. "Owner" mean and refer to the parties of interest to the real estate subdivided by this plat, including their successors and assigns. "Developer" means and refers to the preparer (subdivider) of this instrument including all interests in the described real estate, including security interests. "Maintenance Association" means and refers to any association, trust, partnership, corporation or entity created pursuant to the covenants recorded with this plat that has as its primary obligation the installation, maintenance, irrigation, paving and replacement of landscaping, paving, walkways and areas set forth by the developer as the joint obligation of all owners.

As signatories to the approval of this plat, the utilities, governmental entities and parties herein named accept the grant of easements as hereby created and subscribe and agree to the Vacation of certain portions of existing easements.

The easements effected by this plat are as shown hereon and are:

TYPE 1 EASEMENT: a Landscaping Easement and Drainage Easement GRANTED to the Owners, the Developer and to the Maintenance Association, including the right to landscape, irrigate, maintain and replace surface and subsurface facilities, including signage and lighting.

TYPE 2 EASEMENT: an underground Utility Easement GRANTED to the City of Rio Rancho, the Gas Company of New Mexico and to Rio Rancho Utilities for gas lines, water, sanitary sewer and drainage conduits including appurtenances.

TYPE 3 EASEMENT: an underground Easement for Electric Power, Telephone, Television and Security Communications GRANTED to the Public Service Company of New Mexico, U.S. West, Post/Newsweek Cable and other public and private service companies including the surface rights for transformers, pedestals, switch gear and appurtenances. The surface uses for communications and electric utilities is limited to placement so as not to interfere with and conflicting access, drainage or other easements granted to others.

TYPE 4 EASEMENT: a Landscaping Easement GRANTED to the Owners, the Developer and the Maintenance Association, including the right to landscape, irrigate, maintain and replace surface and subsurface facilities, including signage and lighting. See covenants for any restrictions and exceptions applicable to the easement areas. Surface and/or subsurface drainage infrastructure may cross through this easement.

TYPE 5 EASEMENT: a surface and/or underground Drainage Easement and a Reciprocal Access Easement GRANTED to the Owners, the Developer, the Maintenance Association and their assigns. Access provisions include all vehicles including truck, bus and delivery systems and for pedestrian and bicycle use.

TYPE 6 EASEMENT: a Landscaping, Non-Vehicular Access, and Drainage Easement GRANTED to the City of Rio Rancho for drainage and pedestrian and bicycle access purposes and to the Owners, the Developer and to the Maintenance Association, including the right to landscape, irrigate, maintain and replace surface and subsurface facilities, including signage and lighting and for 'street furniture' and pedestrian facilities including benches, walks, bus stops and the like. The grant of certain uses and easement to the City of Rio Rancho includes the right of the City as a 'touch and concern' party for the enforcement of any covenants which may be placed within the real estate for appearance, safety, maintenance, drainage and pedestrian and bicycle traffic functions.

TYPE 7 EASEMENT: a surface and/or underground Drainage Easement GRANTED to the Owners, the Developer and the Maintenance Association and their assigns, including the right to install, maintain and replace surface and subsurface drainage facilities including appurtenances.

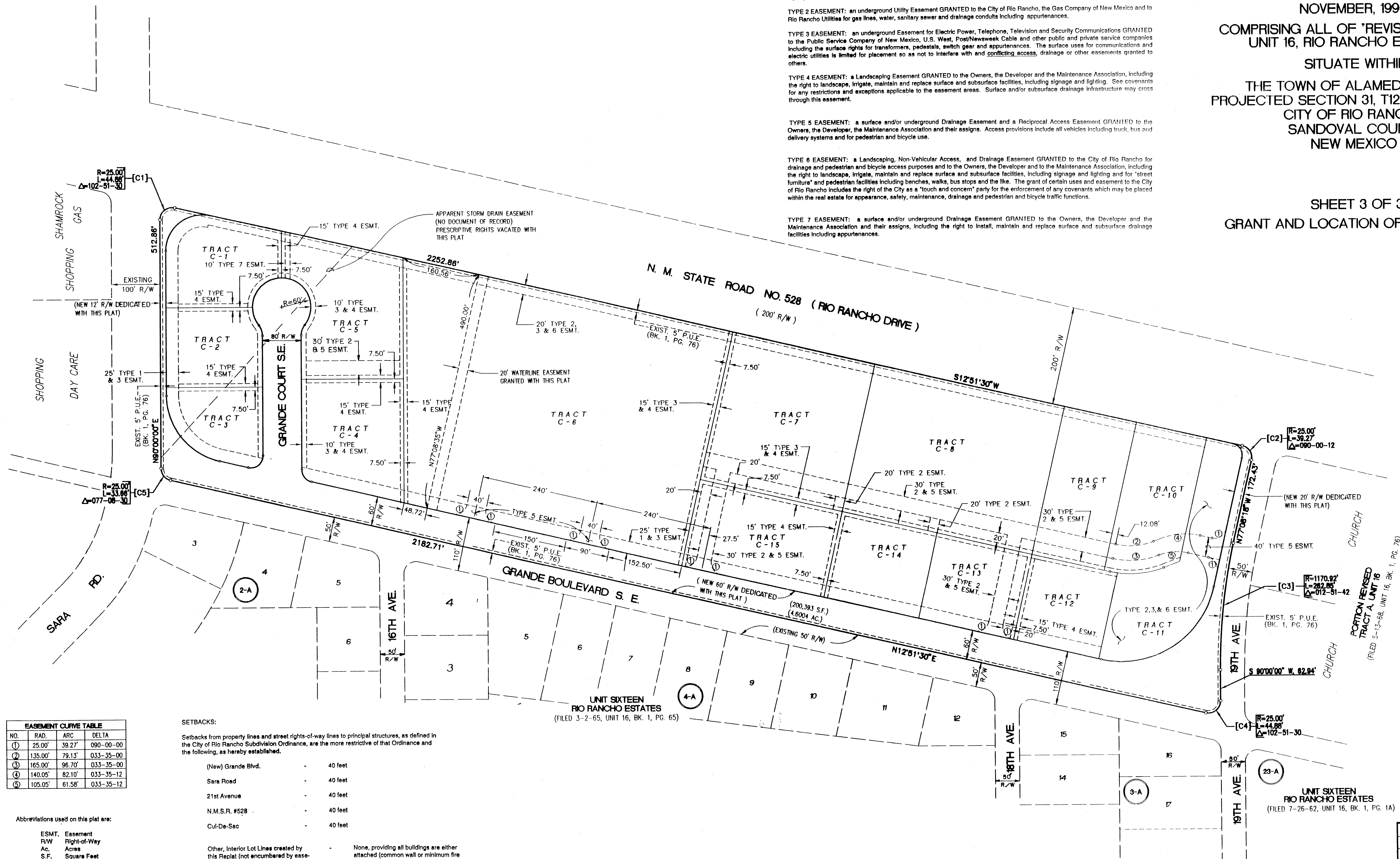
INSTRUMENT NO. _____

GATEWAY NORTH

TRACTS C-1 THROUGH C-15

NOVEMBER, 1993
 COMPRISING ALL OF "REVISED TRACT C"
 UNIT 16, RIO RANCHO ESTATES
 SITUATE WITHIN
 THE TOWN OF ALAMEDA GRANT
 PROJECTED SECTION 31, T12N, R3E, N.M.P.M
 CITY OF RIO RANCHO
 SANDOVAL COUNTY
 NEW MEXICO

SHEET 3 OF 3
 GRANT AND LOCATION OF EASEMENTS



EASEMENT CURVE TABLE			
NO.	RAD.	ARC	DELTA
①	25.00'	39.27'	090-00-00
②	135.00'	79.13'	033-35-00
③	165.00'	96.70'	033-35-00
④	140.05'	82.10'	033-35-12
⑤	105.05'	61.58'	033-35-12

Abbreviations used on this plat are:

ESMT. Easement
 R/W Right-of-Way
 Ac. Acres
 S.F. Square Feet
 FND. Found

SETBACKS:

Setbacks from property lines and street rights-of-way lines to principal structures, as defined in the City of Rio Rancho Subdivision Ordinance, are the more restrictive of that Ordinance and the following, as hereby established.

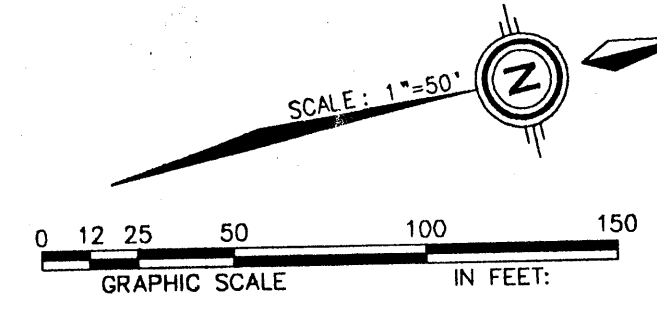
(New) Grande Blvd.	40 feet
Sara Road	40 feet
21st Avenue	40 feet
N.M.S.R. #528	40 feet
Cul-De-Sac	40 feet

Other, Interior Lot Lines created by this Replat (not encumbered by easements as shown hereon and/or modified by the Developer and their assigns).

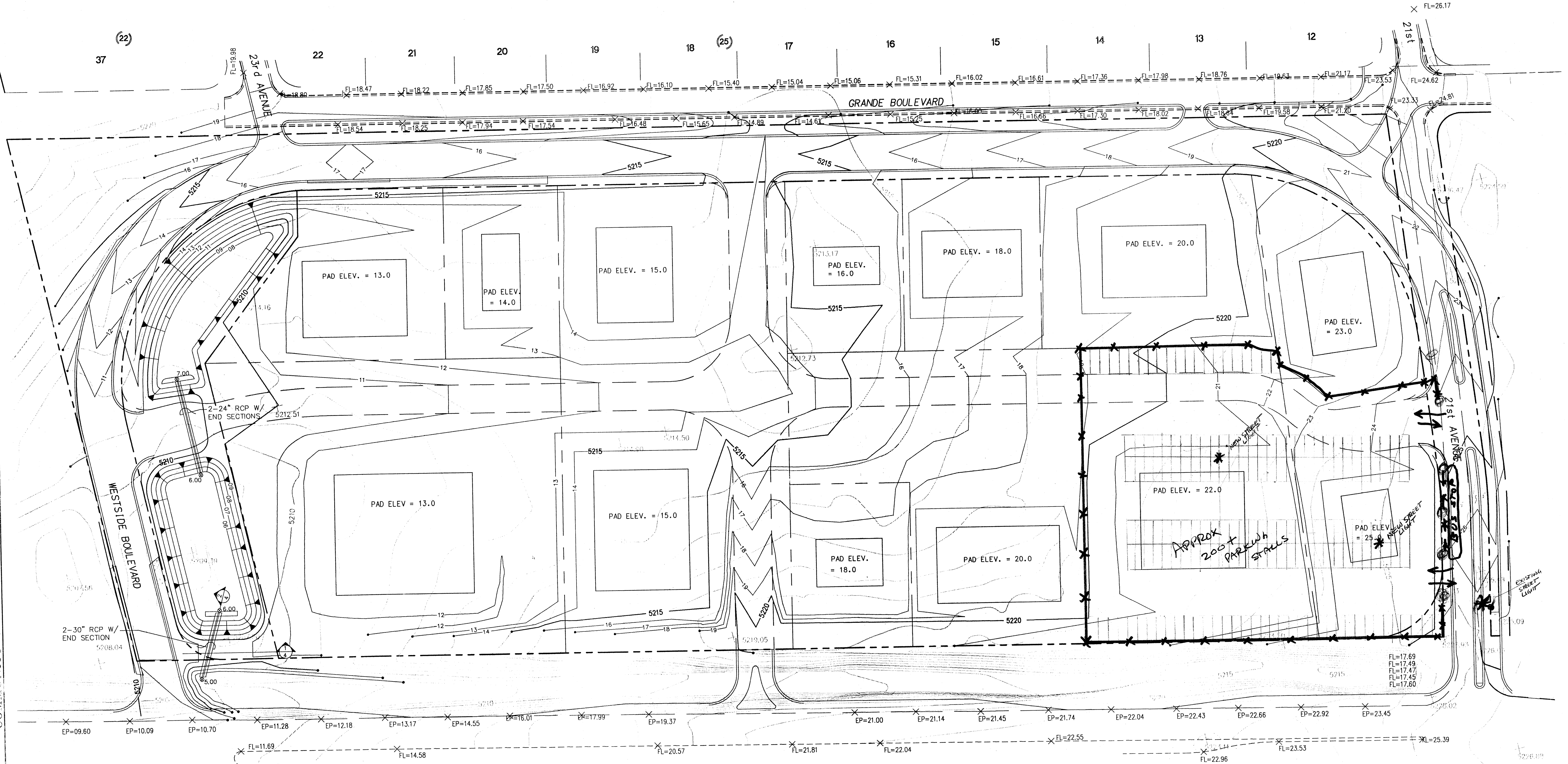
None, providing all buildings are either attached (common wall or minimum fire separation) or detached. Detached buildings must maintain a minimum separation of 20 feet between structures.

DATE: 11-24-93
 SCALE: 1" = 100'
 DESIGNED: C.A.S.
 DRAWN: D.E.R.
 CHECKED: 71-21-025

community sciences corporation



- NOTE:
1. THE CONTRACTOR SHALL CLEAR AND GRUB THE TOP 6" OF THE PROJECT SITE. THE MATERIALS FROM CLEARING AND GRUBBING SHALL BE STOCKPILED, AND USED AS THE TOP LAYER OF THE FINISHED LOTS.
 2. LOT AREAS SHALL BE REVEGETATED WITH NATIVE GRASSES AT A RATE OF 12 LBS/ACRE.

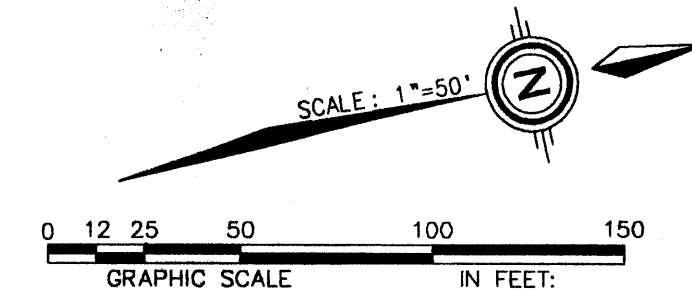


LEGEND

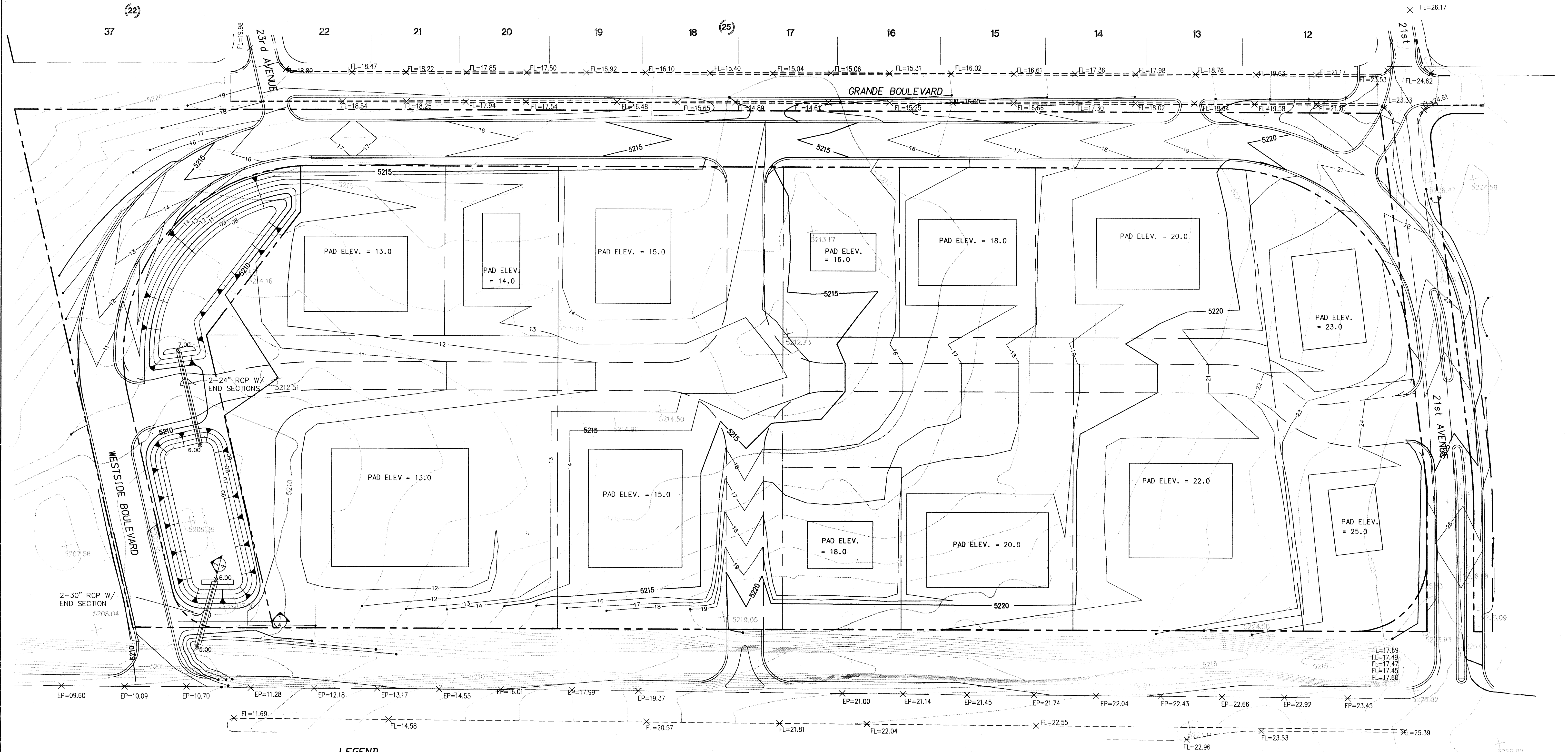
- | | | | |
|-------|-------------------------|-------|------------------------|
| ----- | EXISTING 1 FOOT CONTOUR | ===== | EXISTING CURB & GUTTER |
| ----- | PROPOSED 1 FOOT CONTOUR | ===== | PROPOSED CURB & GUTTER |
| ----- | EXISTING 5 FOOT CONTOUR | ----- | BUILDING PAD |
| ----- | PROPOSED 5 FOOT CONTOUR | | |

NM STATE HWY 528 (RIO RANCHO DRIVE)

GATEWAY SOUTH GRADING AND EROSION CONTROL PLAN		community sciences corporation	SHEET 6 of 9
DATE: FEB. 1994 SCALE: 1" = 50' DESIGNED: TTM DRAWN: SPS			
JOB NO.: 71-21-037 LAND PLANNING: P.O. Box 1328 ENGINEERING: Corrales, N.M. 87048 SURVEYING: Corrales, N.M. 87048			
NO. DATE REVISIONS DESCRIPTION			



- NOTE:
1. THE CONTRACTOR SHALL CLEAR AND GRUB THE TOP 6" OF THE PROJECT SITE. THE MATERIALS FROM CLEARING AND GRUBBING SHALL BE STOCKPILED, AND USED AS THE TOP LAYER OF THE FINISHED LOTS.
 2. LOT AREAS SHALL BE REVEGETATED WITH NATIVE GRASSES AT A RATE OF 12 LBS/ACRE.

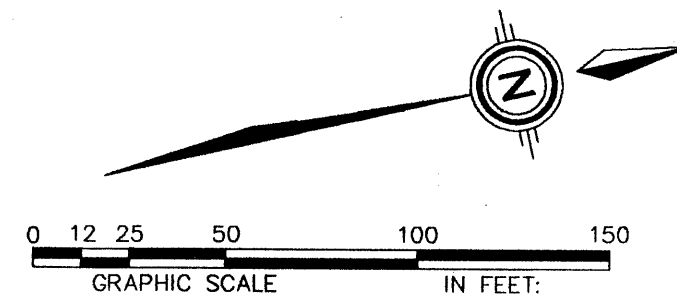


LEGEND

- | | | | |
|-----------|-------------------------|-------|------------------------|
| — | EXISTING 1 FOOT CONTOUR | ===== | EXISTING CURB & GUTTER |
| - - - - - | PROPOSED 1 FOOT CONTOUR | ===== | PROPOSED CURB & GUTTER |
| — | EXISTING 5 FOOT CONTOUR | ===== | BUILDING PAD |
| - - - - - | PROPOSED 5 FOOT CONTOUR | | |

NM STATE HWY 528 (RIO RANCHO DRIVE)

GATEWAY SOUTH GRADING AND EROSION CONTROL PLAN				
DATE: FEB, 1994	community sciences corporation			
SCALE: 1" = 50'				
DESIGNED: TTM				
DRAWN: SPS				
NO. DATE	JOB NO.: 71-21-037	LAND PLANNING P.O. Box 1328	ENGINEERING Corrales, N.M. 87048	SHEET 6 9



- LEGEND**

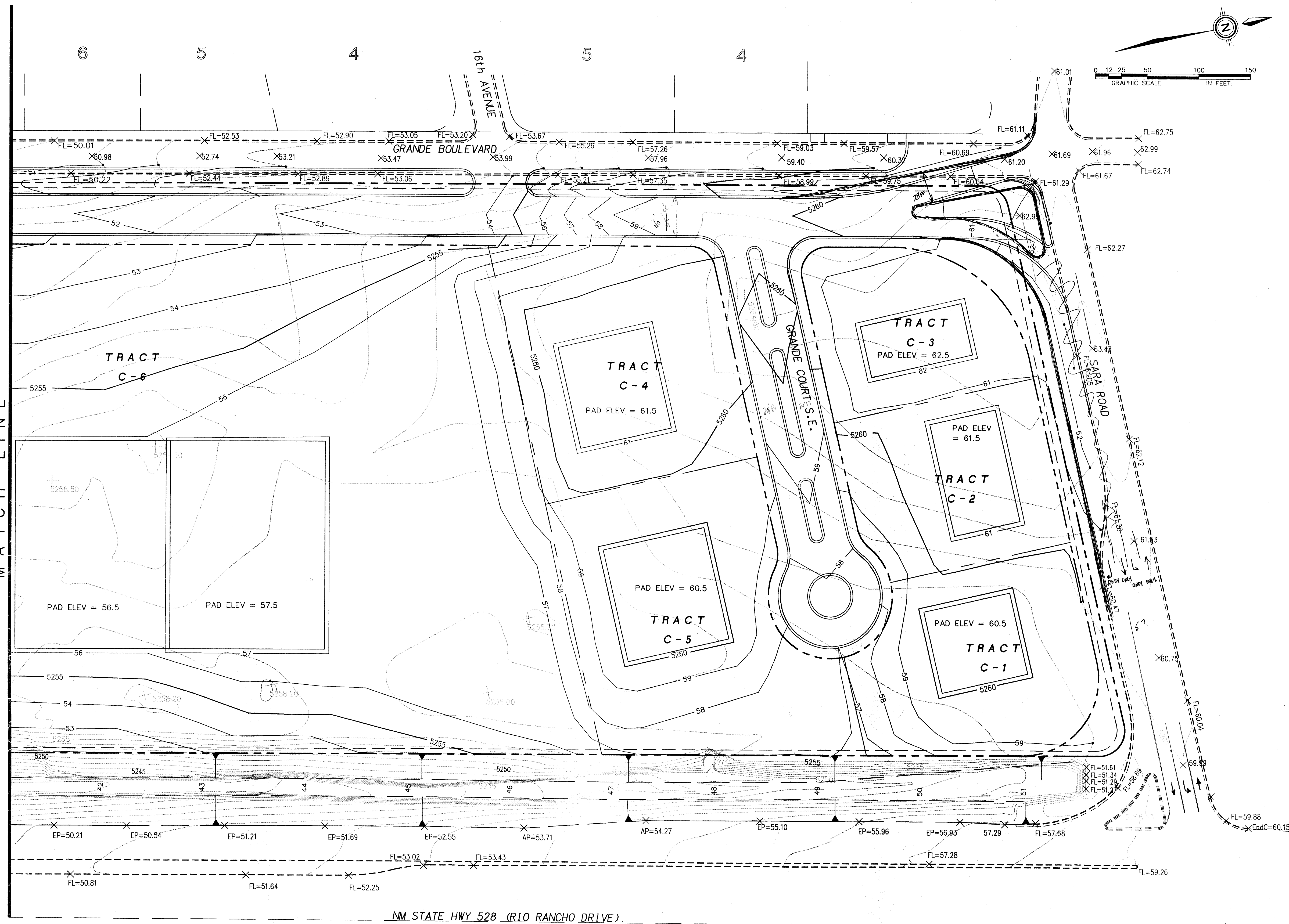
- EXISTING 1 FOOT CONTOUR
- PROPOSED 1 FOOT CONTOUR
- EXISTING 5 FOOT CONTOUR
- PROPOSED 5 FOOT CONTOUR
- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- BUILDING PAD

MATCH LINE
(SEE SHEET 8)

GATEWAY NORTH GRADING AND EROSION CONTROL PLAN						
REVISEIONS		DESCRIPTION				
NO.	DATE	BY	DESCRIPTION			
1						
2						
3						
4						
DATE FEB, 1994				<i>community sciences corporation</i>		
SCALE: 1"=50'						
DESIGNED: TTM						
DRAWN:						
SPS						
JOB NO.: 71-21-037						
LAND PLANNING P.O. BOX 1328				ENGINEERING SURVEYING Corrales, N.M. 87048		

MATCH LINE

(SEE SHEET 7)



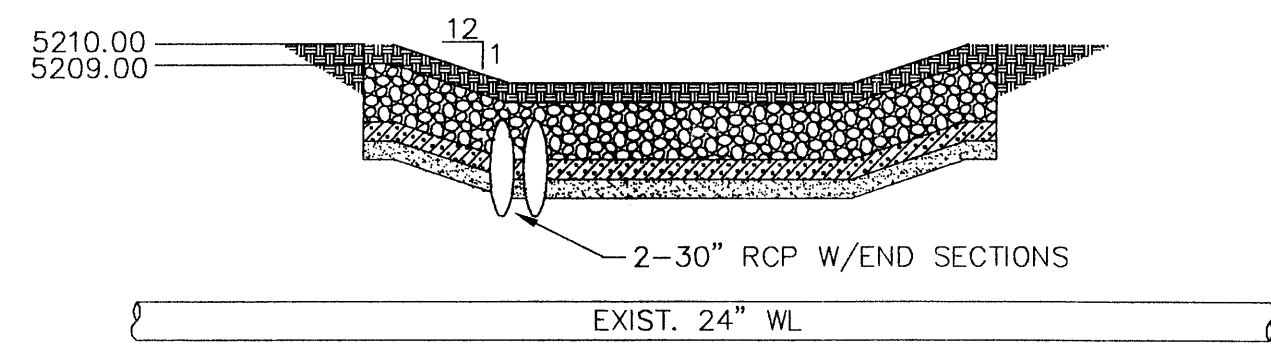
- NOTE:**
1. THE CONTRACTOR SHALL CLEAR AND GRUB THE TOP 6" OF THE PROJECT SITE. THE MATERIALS FROM CLEARING AND GRUBBING SHALL BE STOCKPILED, AND USED AS THE TOP LAYER OF THE FINISHED LOTS.
 2. LOT AREAS SHALL BE REVEGETATED WITH NATIVE GRASSES AT A RATE OF 12 LBS/ACRE.

LEGEND

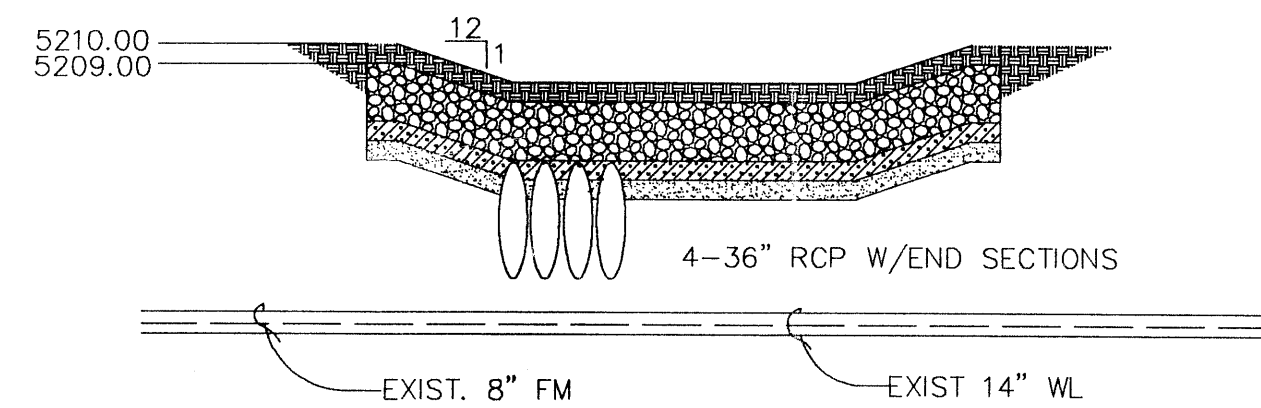
- EXISTING 1 FOOT CONTOUR
- PROPOSED 1 FOOT CONTOUR
- EXISTING 5 FOOT CONTOUR
- PROPOSED 5 FOOT CONTOUR
- ===== EXISTING CURB & GUTTER
- ===== PROPOSED CURB & GUTTER
- BUILDING PAD

33.46 = 2 + 12.0
57.76
61.01

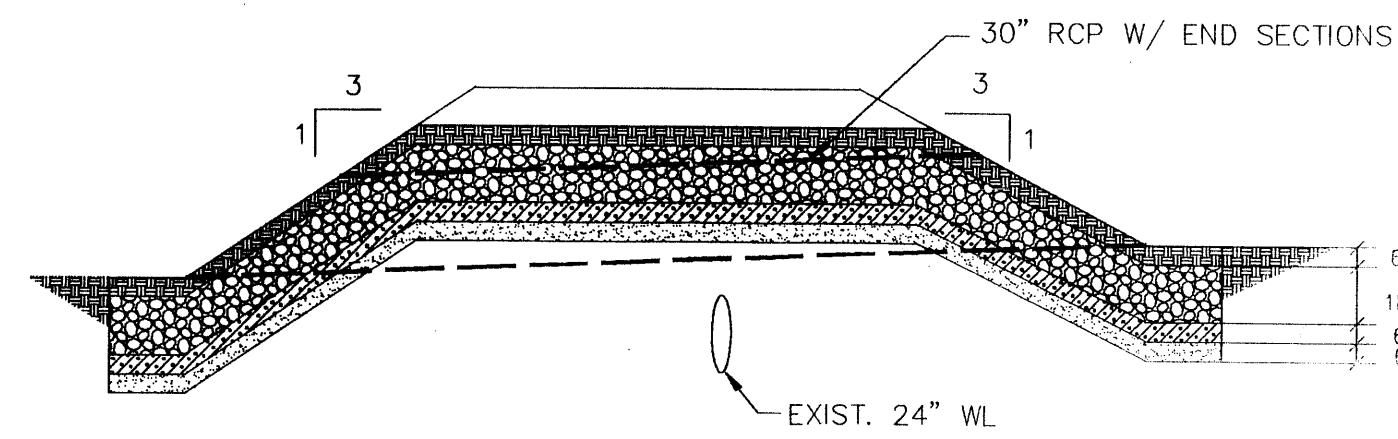
REVISIONS				GATEWAY NORTH GRADING AND EROSION CONTROL PLAN			
NO.	DATE	BY	DESCRIPTION	DATE	SCALE	DESIGNED	DRAWN
1				FEB, 1994	1"=50'	ITM	SPS
2							
3							
4							
				community sciences corporation			
				LAND PLANNING ENGINEERING SURVEYING P.O. Box 1328 Corrales, N.M. 87048			
				JOB NO.: 71-21-037			
				SHEET 8 OF 9			



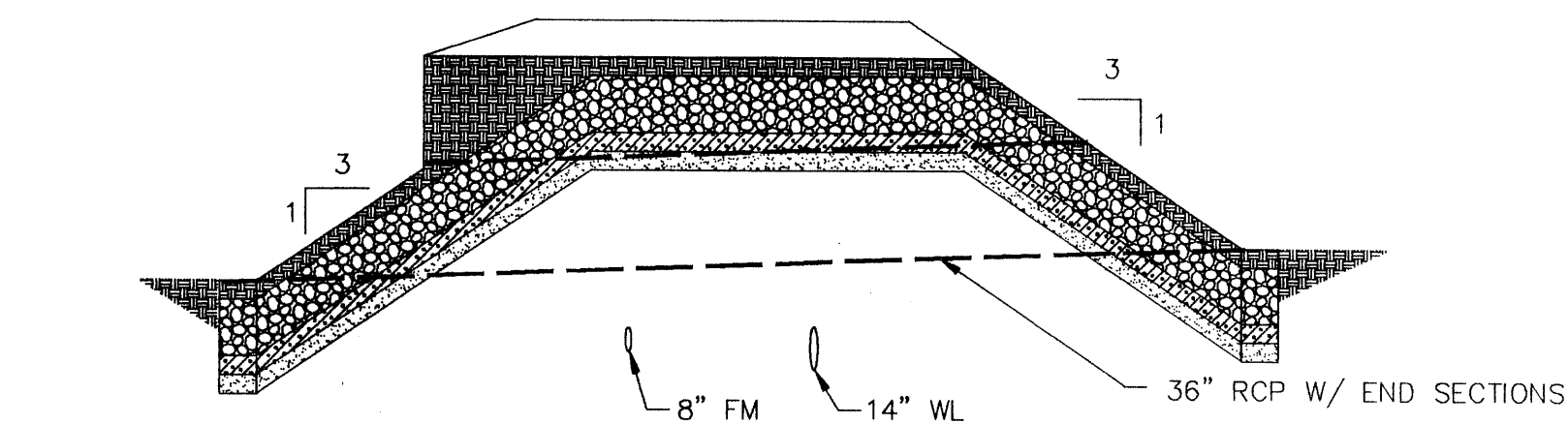
1
6



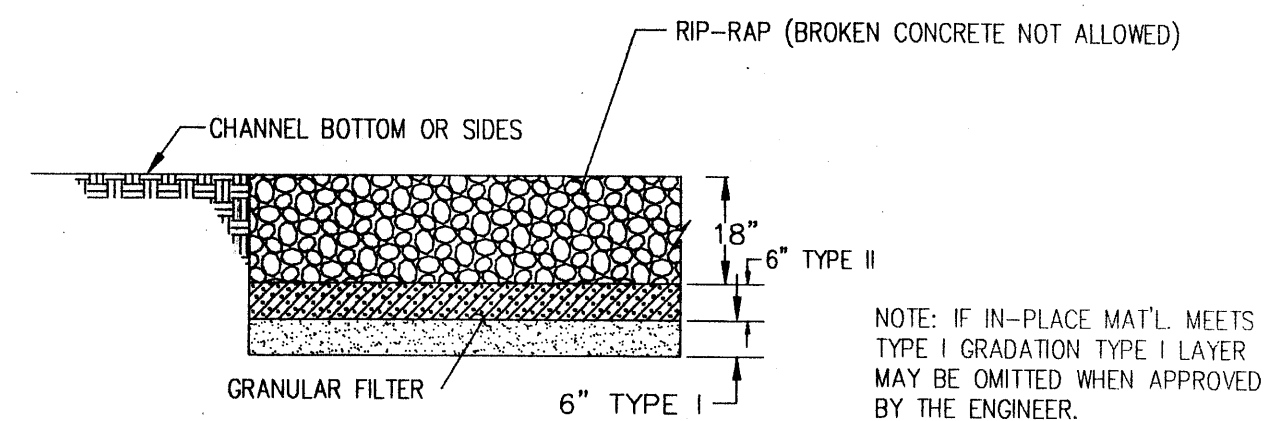
3
7



2
6



4
7



TYPICAL RIP-RAP

NOT TO SCALE

RIP-RAP GRADATION		
% SMALLER THAN OR EQUAL TO SIZE BY WEIGHT	MINIMUM DIMENSION IN INCHES	KM (2) INCHES
100	12 (1)	-
35-55	9	9
10	2	-

1. AT LEAST 30% OF ALL STONES BY WEIGHT SHALL BE THIS DIMENSION
2. MEAN PARTICLE SIZE

U.S. STANDARD SIEVE SIZE	GRADATION FOR GRANULAR BEDDING	
	TYPE I	TYPE II
3"	-	90-100
1.5"	-	-
.75"	-	20-90
.375"	-	-
#4	95-100	0-20
#16	45-80	-
#50	10-30	-
#100	2-10	-
#200	0-2	0-3

GATEWAY POND OUTFALL CROSS SECTIONS		
DATE: FEB., 1994	community sciences corporation	
SCALE: AS SHOWN		
DESIGNED: TLM, TTW		
DRAWN: SPS		
LAND PLANNING P.O. Box 1328	ENGINEERING Corrales, N.M. 87048	SHEET 9 OF 9