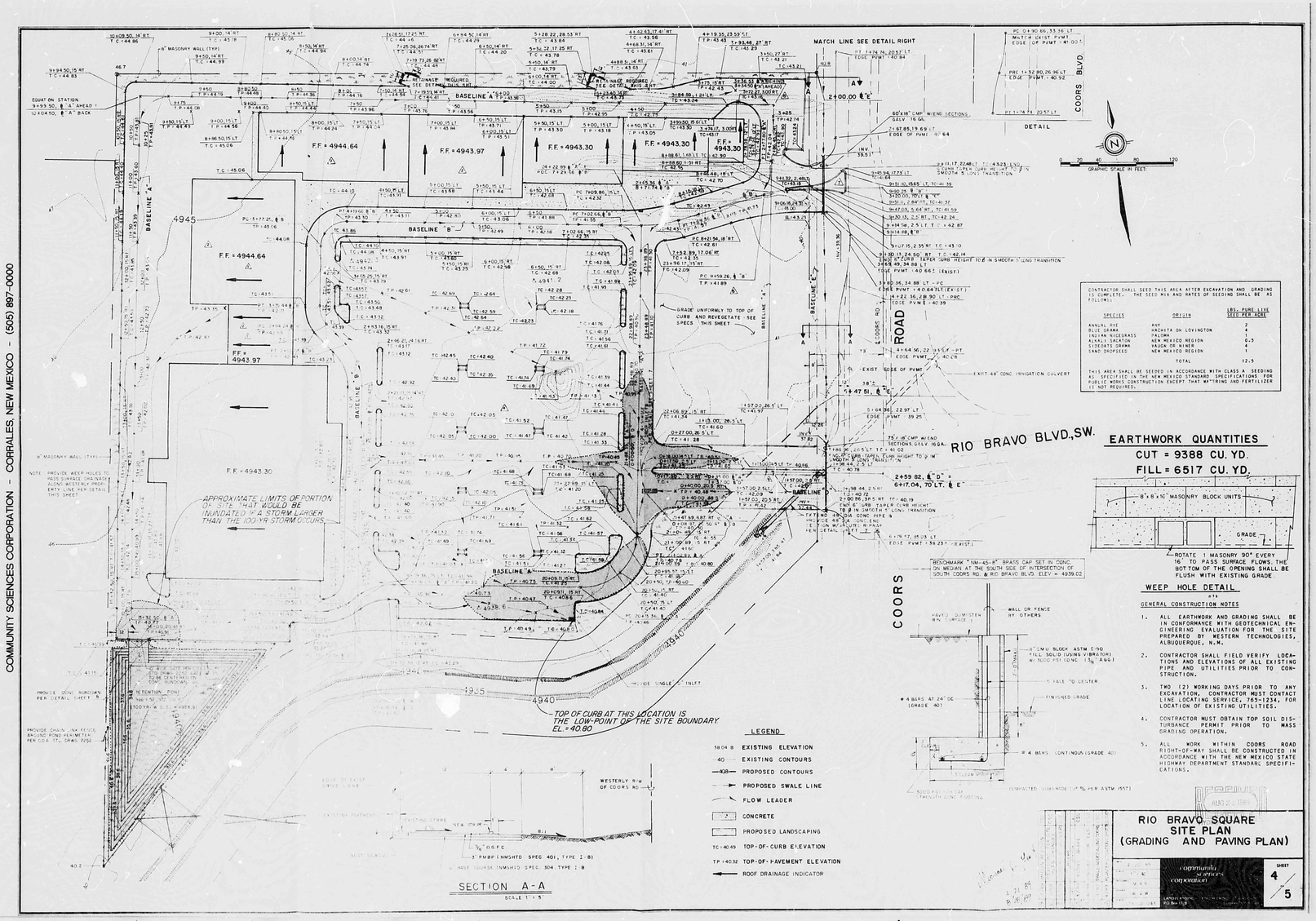
Hydrology File No. P-10/D3 1 of 2

COMMUNITY SCIENCES CORPORATION - CORRALES, NEW MEXICO - (505) 897-0000



CONTRACTOR SHALL SEED THIS AREA AFTER EXCAVATION AND GRADING IS COMPLETE. THE SEED MIX AND RATES OF SEEDING SHALL BE AS FOLLOWS:

SPECIES	ORIGIN	LBS. PURE-LIVE SEED PER ACRE
ANNUAL RYE	ANY	2
BLUE GRAMA	HACHITA OR LOVINGTON	4
INDIAN RICEGRASS	PALOMA	1
ALKALI SACATON	NEW MEXICO REGION	0.5
SIDEOATS GRAMA	VAUGN OR NINER	4
SAND DROPSEED	NEW MEXICO REGION	1
	TOTAL	12.5

THIS AREA SHALL BE SEEDED IN ACCORDANCE WITH CLASS A SEEDING AS SPECIFIED IN THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION EXCEPT THAT WATERING AND FERTILIZER IS NOT REQUIRED.

EARTHWORK QUANTITIES

CUT = 9388 CU. YD.

FILL = 6517 CU. YD.

GENERAL CONSTRUCTION NOTES

1. ALL EARTHWORK AND GRADING SHALL BE IN CONFORMANCE WITH GEOTECHNICAL ENGINEERING EVALUATION FOR THE SITE PREPARED BY WESTERN TECHNOLOGIES, ALBUQUERQUE, N.M.
2. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND ELEVATIONS OF ALL EXISTING PIPE AND UTILITIES PRIOR TO CONSTRUCTION.
3. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. CONTRACTOR MUST OBTAIN TOP SOIL DISTURBANCE PERMIT PRIOR TO MASS GRADING OPERATION.
5. ALL WORK WITHIN COORS ROAD RIGHT-OF-WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS.

RECEIVED AUG 2 1989

RIO BRAVO SQUARE
SITE PLAN
(GRADING AND PAVING PLAN)

community sciences corporation
LANDFILL ENGINEERING
P.O. Box 1713

SHEET 4/5

REF. 22 DATE 6/8/93 CO BY

CITY OF ALBUQUERQUE

This microimage is certified to be a complete and accurate copy of the original as it appears in the files of the PUBLIC WORKS DEPARTMENT - HYDROLOGY DIVISION and was filmed in the normal course of business. The photographic processes used meet the Basic Microfilm Standards of the National Micrographics Association (NMA) (1977).

CITY CLERK RECORDER

OFFICIAL SEAL NORBERTA SANCHEZ NOTARY PUBLIC STATE OF NEW MEXICO My Commission Expires: MAY 8, 1991

THIS PLAN SHOT TWICE ONCE ON LIGHT AND ONCE ON DARK.

CITY OF ALBUQUERQUE THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT.

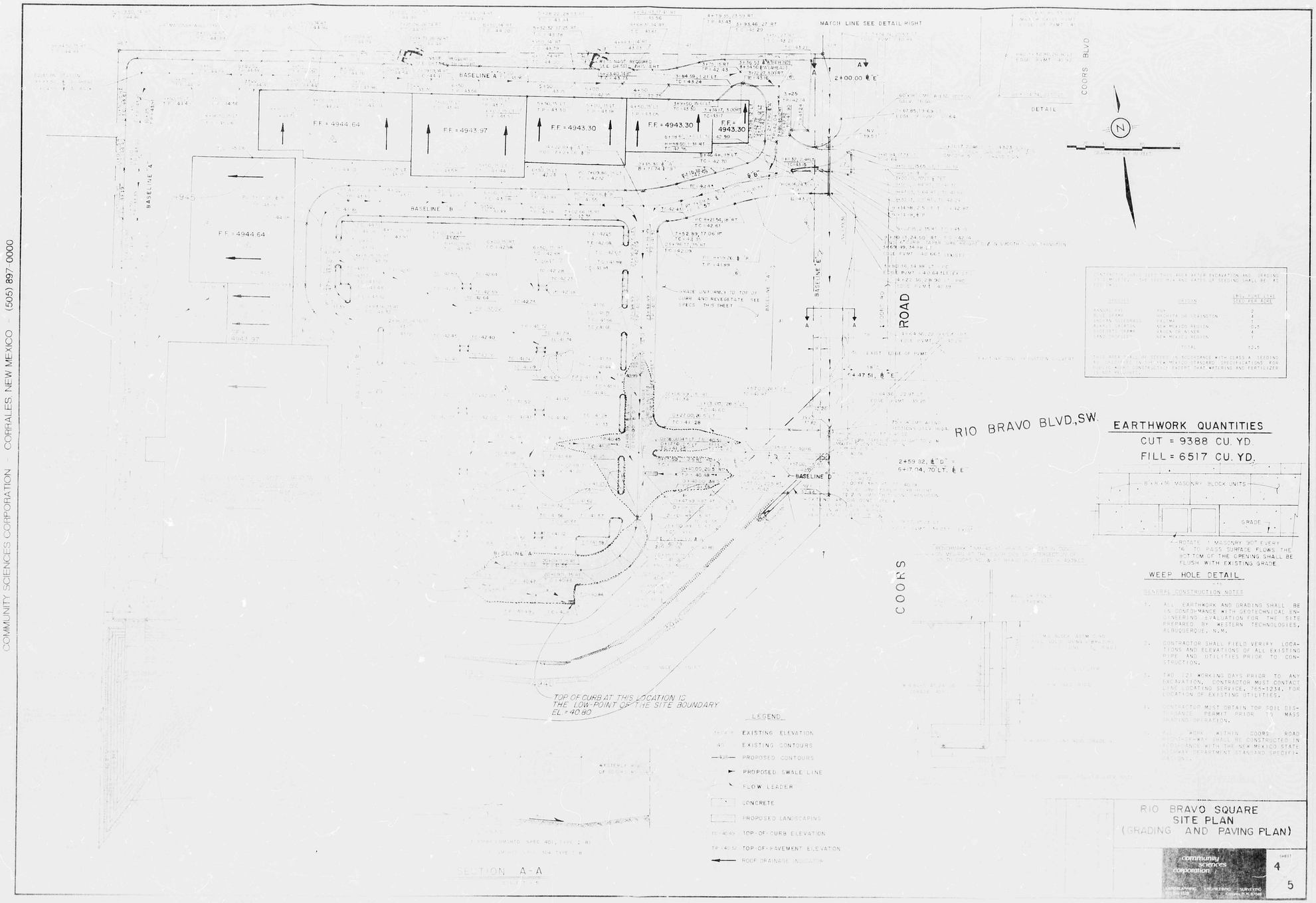
PLANS/PLATS ON FILE

FILE DESC: P-10/D3

PLANS/PLATS 5

F 30 D 24 C 20 B 16 A 12 | CITY OF ALBUQUERQUE C D F

COMMUNITY SCIENCES CORPORATION - CORRALES NEW MEXICO - (505) 897-0000



THIS PLAN SHOT TWICE ONCE ON LIGHT AND ONCE ON DARK.

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT.

BY 22 DATE 1/5/98 OF 27
CITY OF ALBUQUERQUE

This microimage is certified to be a complete and accurate copy of the original as it appears in the files of the PUBLIC WORKS DEPARTMENT - HYDROLOGY DIVISION and was filmed in the normal course of business. The photographic processes used meet the Basic Microfilm Standards of the National Micrographics Association (ISS115-1977).

CITY CLERK RECORDER

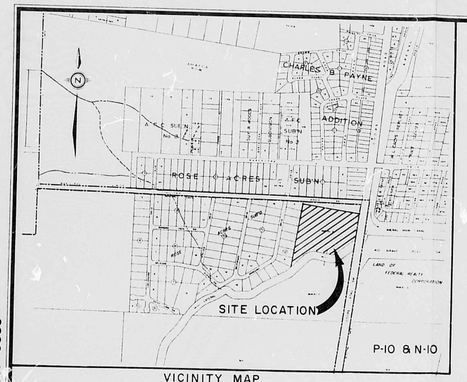
OFFICIAL SEAL
NORBERTA SANCHEZ
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 11 NOV 8 1991

D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D

COMMUNITY SCIENCES CORPORATION - CORRALES, NEW MEXICO - (505) 897-0000



VICINITY MAP

A. PURPOSE

CHARTER OAK DEVELOPMENT COMPANY IS PREPARING TO DEVELOP THE REMNANT PORTION OF PARCEL "A," PLAT OF THE LANDS OF FEDERAL REALTY CORPORATION INTO A 9.78 ACRE SHOPPING CENTER. THE PURPOSE OF THIS PLAN IS TO PROVIDE A DRAINAGE MANAGEMENT SCHEME THAT IS ACCEPTABLE TO THE CITY OF ALBUQUERQUE AND WILL DICTATE CRITERIA FOR SUBSEQUENT GRADING AND PAVING PLANS.

B. SITE CHARACTERISTICS

THE TOPOGRAPHY PLOTTED ON THIS SHEET IS THE RESULT OF A FIELD SURVEY CONDUCTED BY COMMUNITY SCIENCES CORPORATION DURING OCTOBER, 1988. THE SOILS ON THE SITE ARE PREDOMINANTLY OF THE MADUREZ WINK ASSOCIATION (SCS HYDROLOGIC GROUP "B"). THIS SITE DOES NOT LIE WITHIN A DESIGNATED FLOOD HAZARD AREA AS DEPICTED ON THE F.E.M.A. FLOOD BOUNDARY AND FLOODWAY MAP FOR THE CITY OF ALBUQUERQUE, PANEL NO. 350002-0039, DATED OCTOBER 14, 1983. THE 100-YEAR, 6-HOUR RAINFALL FOR THE SITE IS 2.2 INCHES.

C. HYDROLOGIC COMPUTATIONS

ALL HYDROLOGIC ANALYSIS FOR THIS PLAN IS BASED ON CRITERIA PRESENTED IN THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, VOLUME II, CHAPTER 22. A SUMMARY OF THE ANALYSIS IS PRESENTED BELOW:

SUMMARY OF HYDROLOGICAL ANALYSIS

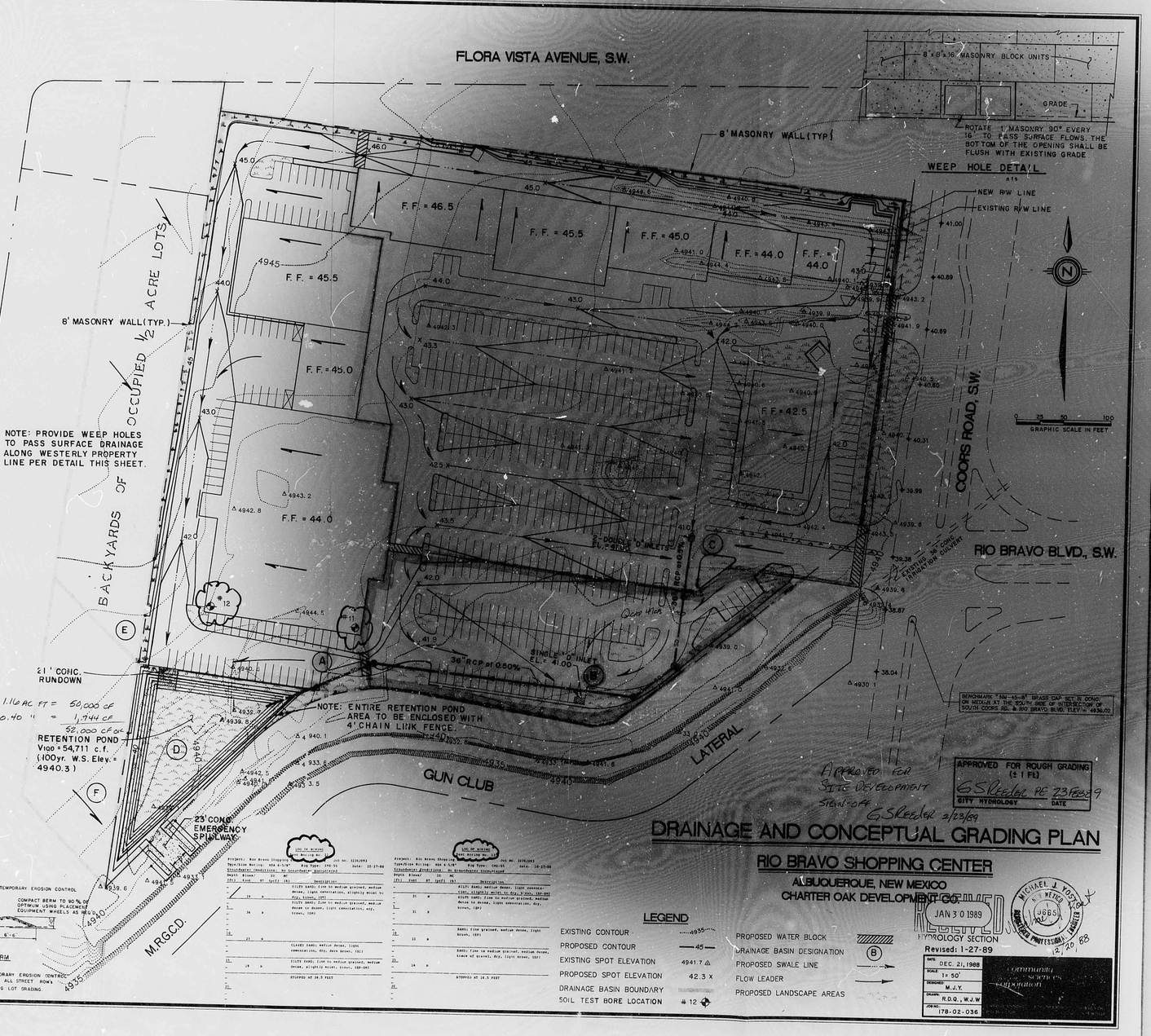
DRAINAGE BASIN	AREA (ACRES)	T_c (MINUTES)	% IMPERVIOUS	CN	Q_{100} (IN.)	Q_{100} (CFS)	V_{100} (C.F.)
ENTIRE SITE (UNDEVELOPED)	9.78	10	0	70	0.4	17.8	21,450
A	2.79	10	92	94	1.6	20.3	16,225
B	1.28	10	77	89	1.3	7.6	6,120
C	5.13	10	91	94	1.6	37.3	29,840
D	0.28	10	0	61	0.2	0.5	387
E	0.93	10	25	70	0.4	1.7	1,359
F	0.57	10	25	70	0.4	1.0	780
TOTALS	11.28					68.4	54,711

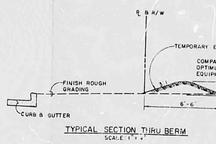
9.78 − 1.50

CN = 92 1.42" R.O. FROM 9.78 AC = 1.16 AC FT = 50,000 CF
CN = 70 0.32 " " 1.50 AC = 0.40 " = 1,744 CF
52,000 CF OK

D. HYDRAULIC CALCULATIONS

1. Size drop inlet for Basin "C":
   $Q = KCA\sqrt{2gh}$
   h = 0.5'
   C = 0.80 (Orifice Coeff.)
   K = 0.75 (Clogging Factor)
   A = 18.24 ft.^{2} (2 - double "D" inlets)
   Q = 62.1 cfs ≯ 37.3, OK
2. Size drop inlet for Basin "B":
   A = 4.56 ft.^{2} (1-type "D" inlet)
   Q = 15.5 cfs ≯ 7.6 cfs, OK
3. Size storm drain for Basin "C" and "B":
   Use Mannings Eq. - (n = .013)
   S = 0.5%
   Dia. = 36"
   Q = 47.3 cfs ≯ 44.9 cfs, OK
4. Size rundown for Basin "A":
   $Q = 3LH^{3/2}$
   H = 0.5'
   Q = 20.3 + 1.7 = 22.0
   L = 20.74', say 21'
5. Size Emergency Spillway for Pond:
   Q = 68.4
   H = 1.0'
   L = 22.8', say 23'





TYPICAL SECTION THRU BERM
SCALE: N.T.S.

NOTE: CONTRACTOR TO PROVIDE TEMPORARY EROSION CONTROL (PER DETAIL THIS SHEET) ALONG ALL STREET ROWS ADJACENT TO THE LOTS FOLLOWING LOT GRADING.

LOG OF BORING
SOIL BORING NO. 1

Project: Rio Bravo Shopping Center Job No: 3230(89)
Type/Size Boring: HSA 6-5/8" Rig Type: CME-55 Date: 10-27-88
Groundwater Conditions: No Groundwater Encountered

Depth Blows/ (ft) 6in	SO MC (%)	Description
1	19 M	SILTY SAND; fine to medium grained, medium dense, light cementation, slightly moist to dry, brown, (SM)
5	16 M	SILTY SAND; fine to medium grained, medium dense to dense, light cementation, dry, brown, (SM)
10	21 M	
15	12 M	CLAYEY SAND; medium dense, light cementation, dry, dark brown, (SC)
20	19 M	SILTY SAND; fine to medium grained, medium dense, slightly moist, brown, (SSM-SM)
25		STOPPED AT 26.5 FEET

LOG OF BORING
SOIL BORING NO. 2

Project: Rio Bravo Shopping Center Job No: 3230(89)
Type/Size Boring: HSA 6-5/8" Rig Type: CME-55 Date: 10-27-88
Groundwater Conditions: No Groundwater Encountered

Depth Blows/ (ft) 6in	SO MC (%)	Description
1	21 M	SILTY SAND; medium dense, light cementation, slightly moist to dry, brown, (SM-SM)
5	31 M	SILTY SAND; fine to medium grained, medium dense to dense, light cementation, dry, brown, (SM)
10		
15	12 M	SAND; fine grained, medium dense, light brown, (SP)
20	14 M	SAND; fine to medium grained, medium dense, trace of gravel, dry, light brown, (SP)
25		STOPPED AT 26.5 FEET

LEGEND

EXISTING CONTOUR	4935	PROPOSED WATER BLOCK	
PROPOSED CONTOUR	45	DRAINAGE BASIN DESIGNATION	B
EXISTING SPOT ELEVATION	4941.7 △	PROPOSED SWALE LINE	
PROPOSED SPOT ELEVATION	42.3 x	FLOW LEADER	
DRAINAGE BASIN BOUNDARY		PROPOSED LANDSCAPE AREAS	
SOIL TEST BORE LOCATION	# 12		

APPROVED FOR ROUGH GRADING (± 1 FT.)
G.S. Kessler PE 23 Feb 89
CITY HYDROLOGY DATE

Approved for site development sign-off G. Skeeler 2/23/89

DRAINAGE AND CONCEPTUAL GRADING PLAN

RIO BRAVO SHOPPING CENTER

ALBUQUERQUE, NEW MEXICO
CHARTER OAK DEVELOPMENT CO.

RECEIVED JAN 30 1989 HYDROLOGY SECTION

MICHAEL J. YOUNG NEW MEXICO 3885 PROFESSIONAL ENGINEER 2/20/89

Revised: 1-27-89

DATE	DEC. 21, 1988
SCALE	1" = 50'
DESIGNED	M.J.Y.
DRAWN	R.D.Q., W.J.W.
JOB NO.	178-02-036

community sciences corporation

THIS PLAN SHOT TWICE ONCE ON LIGHT AND ONCE ON DARK.

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT.

R# 22 DATE 6-25-93 OP 6 ESP

CITY OF ALBUQUERQUE

This microimage is certified to be a complete and accurate copy of the original as it appears in the files of the PUBLIC WORKS DEPARTMENT - HYDROLOGY DIVISION and was filmed in the normal course of business. The photographic processes used meet the Basic Microfilm Standards of the National Micrographics Association (MS115-1977).

Karen Aune
CITY CLERK RECORDER

OFFICIAL SEAL
NORBERTA SANCHEZ
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires MAY 8 1995
Norberta Sanchez

D 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C D

COMMUNITY SCIENCES CORPORATION - CORRALES, NEW MEXICO - (505) 897-0000

VICINITY MAP

A. PURPOSE

CHARTER OAK DEVELOPMENT COMPANY IS PREPARING TO DEVELOP THE REMNANT PORTION OF PARCEL "A-2" PLAT OF THE LANDS OF FEDERAL REALTY CORPORATION INTO A 9.78 ACRE SHOPPING CENTER. THE PURPOSE OF THIS PLAN IS TO PROVIDE A DRAINAGE MANAGEMENT SCHEME THAT IS ACCEPTABLE TO THE CITY OF ALBUQUERQUE AND WILL DICTATE CRITERIA FOR SUBSEQUENT GRADING AND PAVING PLANS.

B. SITE CHARACTERISTICS

THE TOPOGRAPHY PLOTTED ON THIS SHEET IS THE RESULT OF A FIELD SURVEY CONDUCTED BY COMMUNITY SCIENCES CORPORATION DURING OCTOBER, 1988. THE SOILS ON THE SITE ARE PREDOMINANTLY OF THE MADUREZ WORK ASSOCIATION, C.S.S. HYDROLOGIC GROUP "B". THIS SITE DOES NOT LIE WITHIN A DESIGNATED FLOOD HAZARD AREA AS DEPICTED ON THE F.I.R.M. FLOOD BOUNDARY AND FLOODWAY MAP FOR THE CITY OF ALBUQUERQUE, PANEL NO. 350002-0039, DATED OCTOBER 19, 1983. THE 100-YEAR, 6-HOUR RAINFALL FOR THE SITE IS 2.2 INCHES.

C. HYDROLOGIC COMPUTATIONS

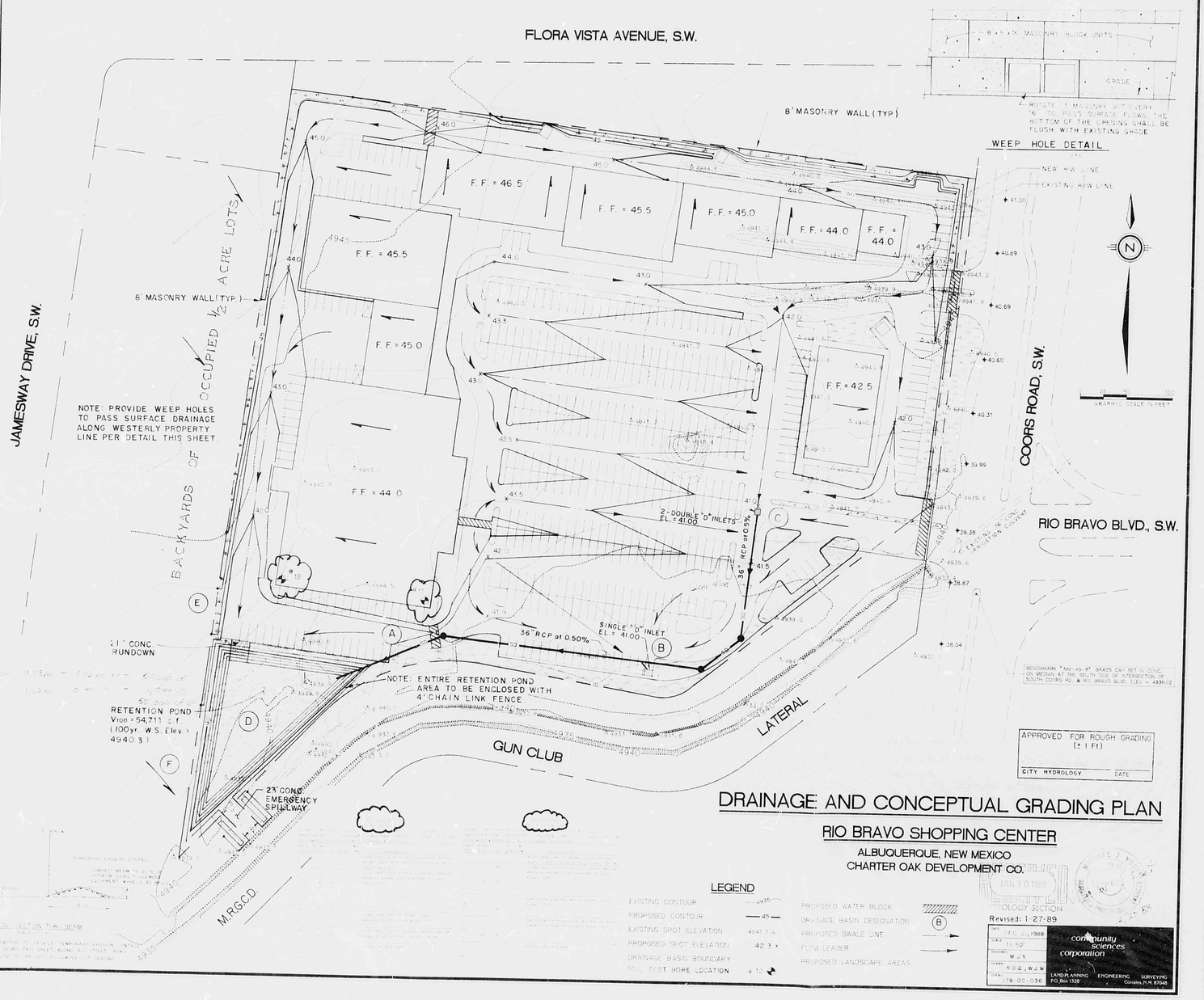
ALL HYDROLOGIC ANALYSES FOR THIS PLAN IS BASED ON CRITERIA PRESENTED IN THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL, VOLUME III, CHAPTER 22. A SUMMARY OF THE ANALYSIS IS PRESENTED BELOW:

SUMMARY OF HYDROLOGIC ANALYSIS

DRAINAGE BASIN	AREA ACRES	[illegible]	MINUTES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
ENTIRE SITE PRE-DEVELOPMENT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

D. HYDRAULIC CALCULATIONS

1. Size drop inlet for Basin "NW":
   Q = KDA√2gh
   K = 0.67
   D = 2.50 (Orifice Control)
   K = 0.75 (Clogging Factor)
   A = 15.24 ft.² (2 - double "NW" inlets)
   Q = 49.7 cfs = 37.2 cfs OK
2. Size drop inlet for Basin "SW":
   A = 8.75 ft.² (1-type "NW" inlet)
   Q = 1.75 cfs = 15.75 cfs OK
3. Size grate drain for Basin "NW" and "SW":
   Use Manning's Eq. on a grate:
   Q = 1/n AR^(2/3) S^(1/2)
   n = 0.016
   Q = 41.4 cfs = 44.4 cfs OK
4. Size rundown for Basin "NW":
   Q = 37.2
   V = 3.2
   D = 20.5 ft. = 20.5
   D = 20.75", say 21"
5. Size Emergency Spillway for Pond:
   Q = 68.4
   H = 1.4
   L = 23.4', say 23'



APPROVED FOR ROUGH GRADING (± 1 FT)

CITY HYDROLOGY DATE

DRAINAGE AND CONCEPTUAL GRADING PLAN

RIO BRAVO SHOPPING CENTER

ALBUQUERQUE, NEW MEXICO
CHARTER OAK DEVELOPMENT CO.

LEGEND

EXISTING CONTOUR		PROPOSED WATER BLOCK	
PROPOSED CONTOUR	—45—	DRAINAGE BASIN DESIGNATION	(B)
EXISTING SPOT ELEVATION	4941 T.P.	PROPOSED SWALE LINE	
PROPOSED SPOT ELEVATION	42.3 x	FLOW LEADER	
DRAINAGE BASIN BOUNDARY		PROPOSED LANDSCAPE AREAS	
SOIL TEST HOLE LOCATION	4.12		

Revised: 1-27-89

DATE	FEB. 24, 1988
SCALE	1" = 50'
DESIGNED	M.J.Y.
DRAWN	K.D.Q., W.J.W.
JOB NO.	178-00-036

community sciences corporation
LAND PLANNING ENGINEERING SURVEYING
P.O. Box 1328 Corrales, N.M. 87048

JAN 30 1989
HYDROLOGY SECTION

THIS PLAN SHOT TWICE
ONCE ON LIGHT AND
ONCE ON DARK.

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT.

REF. 22 DATE 1989 OP. CP

CITY OF ALBUQUERQUE

This microimage is certified to be a complete and accurate copy of the original as it appears in the files of the PUBLIC WORKS DEPARTMENT - HYDROLOGY DIVISION and was filmed in the normal course of business. The photographic processes used meet the Basic Microfilm Standards of the National Micrographics Association (NS115-1977).

Karen Aiuwe
CITY CLERK RECORDER

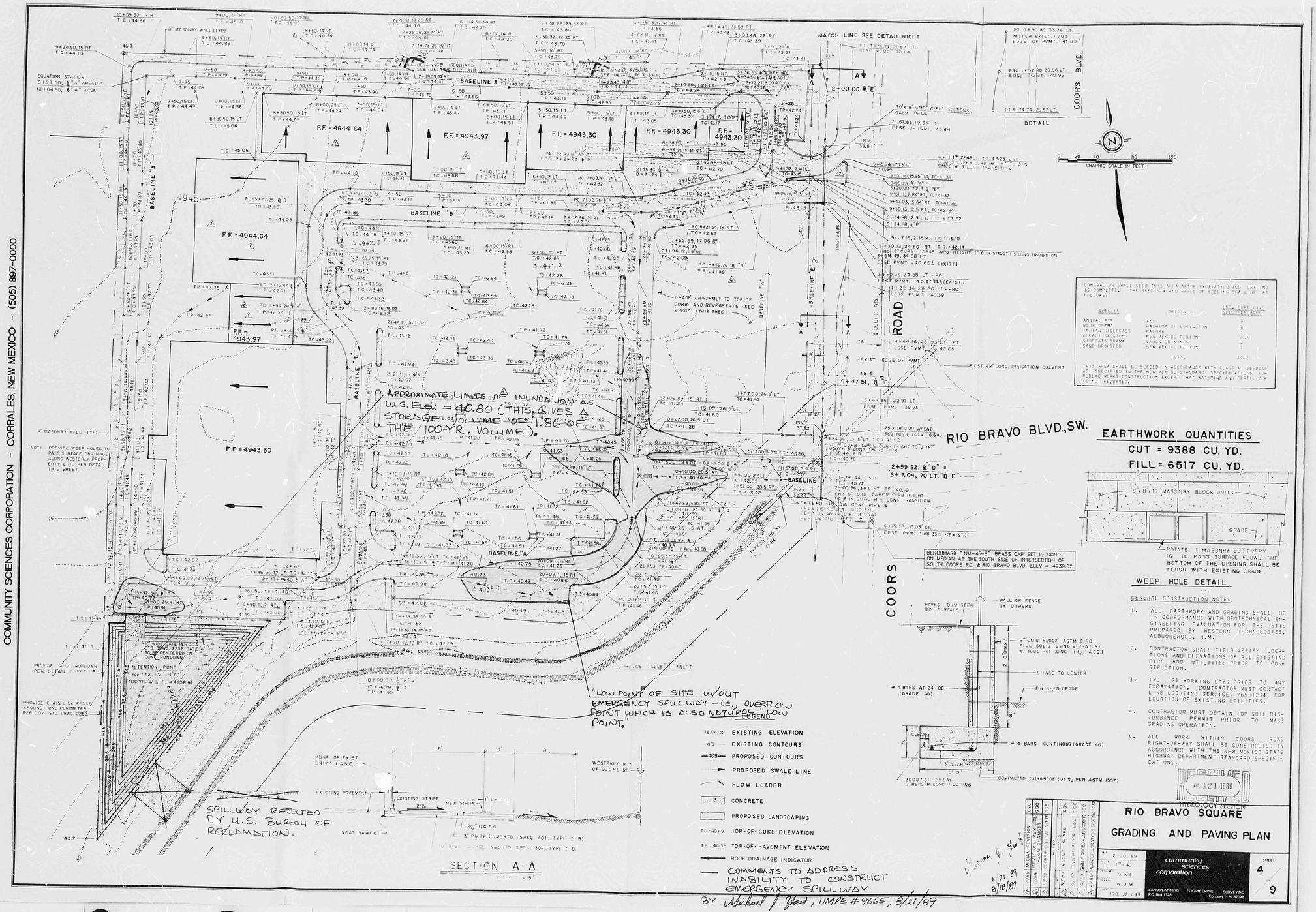
OFFICIAL SEAL
NORBERTA SANCHEZ
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires NOV. 8, 1989
Norberta Sanchez

D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D

COMMUNITY SCIENCES CORPORATION - CORRALES, NEW MEXICO - (505) 897-0000



THIS PLAN SHOT TWICE ONCE ON LIGHT AND ONCE ON DARK.

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT.

REF 22 DATE 6-25-93 OPERATOR

CITY OF ALBUQUERQUE
This microimage is certified to be a complete and accurate copy of the original as it appears in the files of the PUBLIC WORKS DEPARTMENT - HYDROLOGY DIVISION and was filmed in the normal course of business. The photographic processes used meet the Basic Microfilm Standards of the National Micrographics Association (AIIM-1977).

CITY CLERK RECORDER

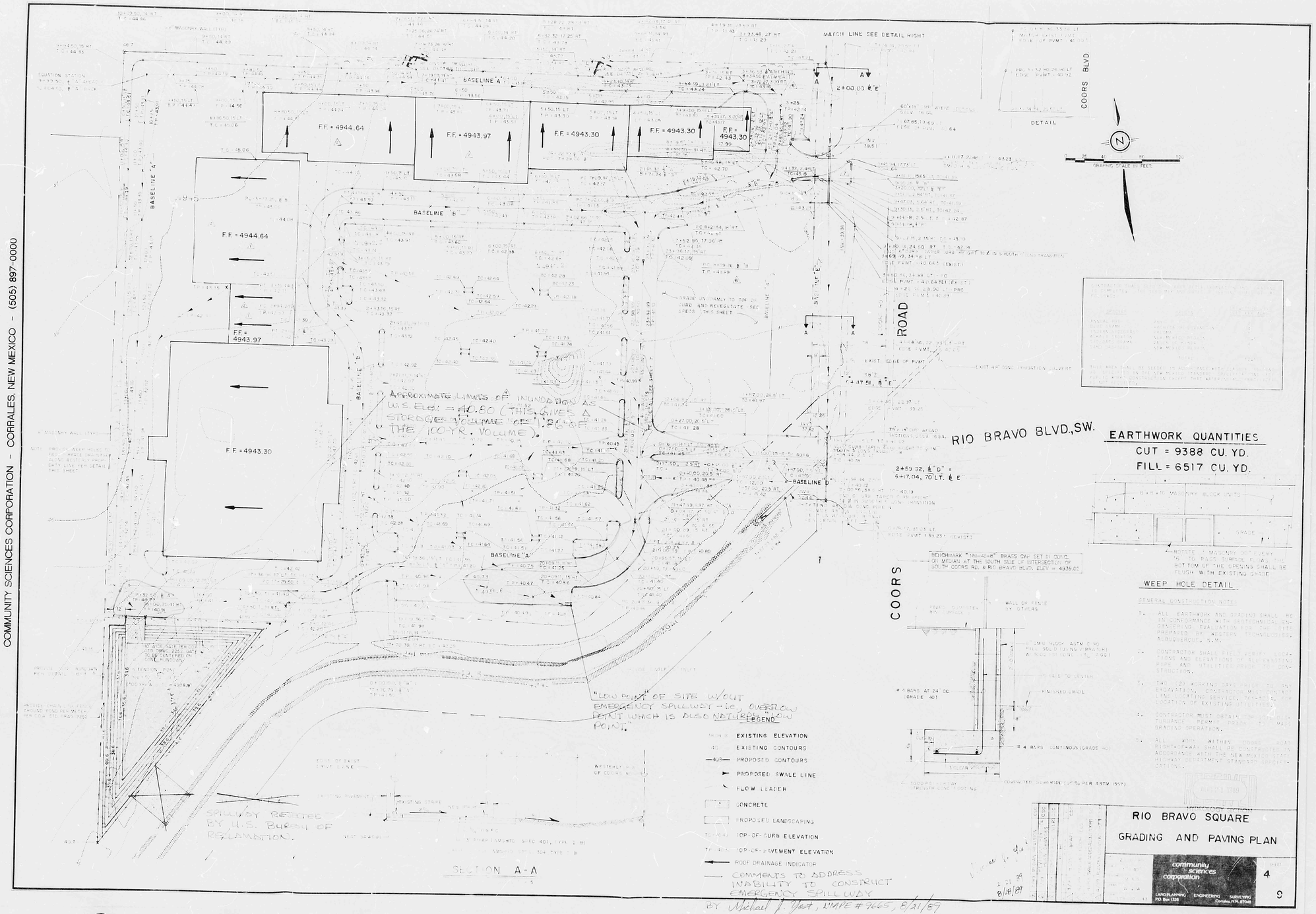
OFFICIAL SEAL
NORBERTA SANCHEZ
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires May 8, 1993

D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D

COMMUNITY SCIENCES CORPORATION - CORRALES, NEW MEXICO - (505) 897-0000



THIS PLAN SHOT TWICE ONCE ON LIGHT AND ONCE ON DARK.

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT.

REF. 22 DATE 2-25-93 OP. DP

CITY OF ALBUQUERQUE

This microimage is certified to be a complete and accurate copy of the original as it appears in the files of the PUBLIC WORKS DEPARTMENT - HYDROLOGY DIVISION and was filmed in the normal course of business. The photographic processes used meet the Basic Microfilm Standards of the National Micrographics Association (MS115-1977).

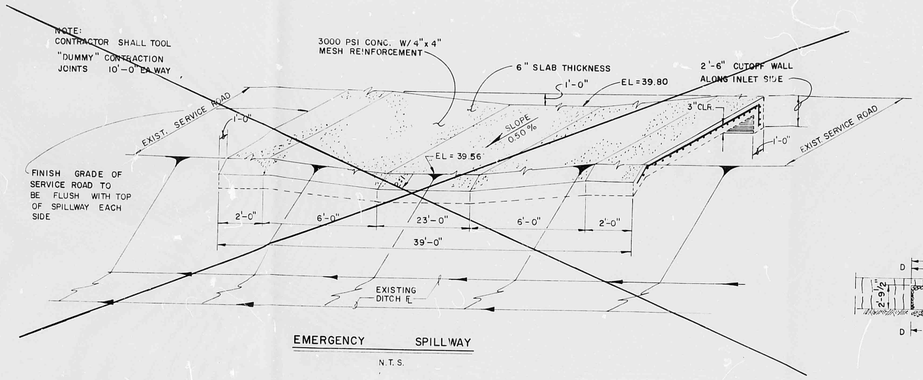
Karen Aiuno
CITY CLERK RECORDER

OFFICIAL SEAL
NORBERTA SANCHEZ
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 11/19/1993
Norberta Sanchez

D 24 C 20 B 16 A 12

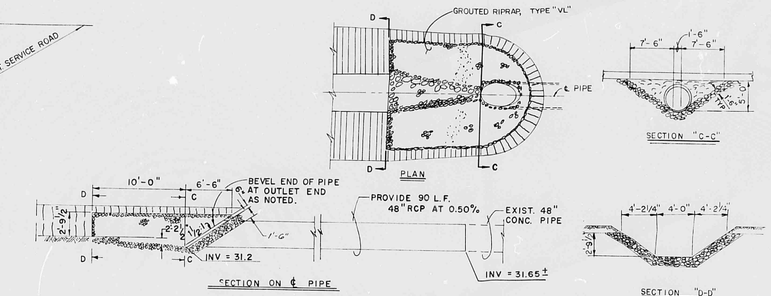
CITY OF ALBUQUERQUE

C D



EMERGENCY SPILLWAY

N.T.S.



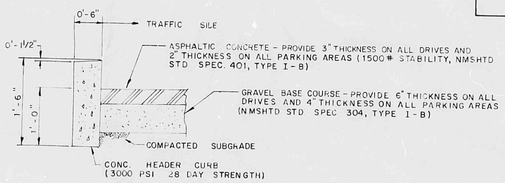
CULVERT EXTENSION & RIPRAP DETAILS

N.T.S.

CLASSIFICATION & GRADATION OF RIPRAP			
RIPRAP DESIGNATION	% SMALLER THAN OR EQUAL TO GIVEN SIZE BY WEIGHT	MINIMUM DIMENSION INCHES	K_M :: INCHES
TYPE "VL"	100	9 ::::	6
	35 - 55	6	
	10	2	

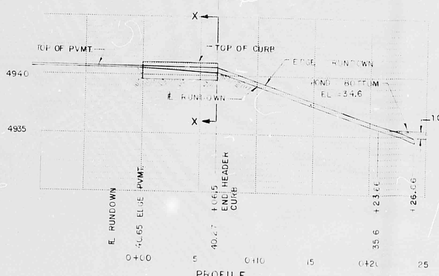
:: K_M = MEAN PARTICLE SIZE

:::: AT LEAST 30% OF ALL STONES BY WEIGHT SHALL BE THIS DIMENSION



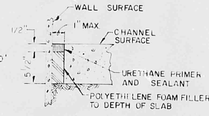
TYPICAL PAVEMENT AND HEADER CURB DETAIL

N.T.S.



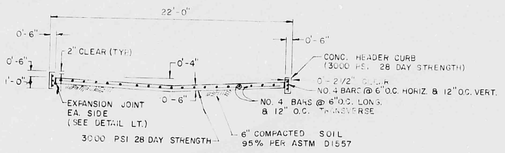
PROFILE

1" = 5' HORIZ. & VERT.



EXPANSION JOINT DETAIL

N.T.S.



SECTION "X-X"

N.T.S.

CONCRETE RUNDOWN

Vincent J. Lobato
2/21/89
8/16/89

2-17-89	RIO BRAVO HYDROLOGY SQUARE
AS NOTED	DETAILS
MKS	community sciences corporation
TGC	LAND PLANNING · ENGINEERING · SURVEYING · P.O. Box 1328 · Corrales, N.M. 87048
78-02-041	SHEET 8 / 9

COMMUNITY SCIENCES CORPORATION - CORRALES, NEW MEXICO - (505) 897-0000

RECEIVED AUG 21 1989

CITY OF ALBUQUERQUE THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT.

R# 22 DATE 6-28-89 OP ESP

CITY OF ALBUQUERQUE

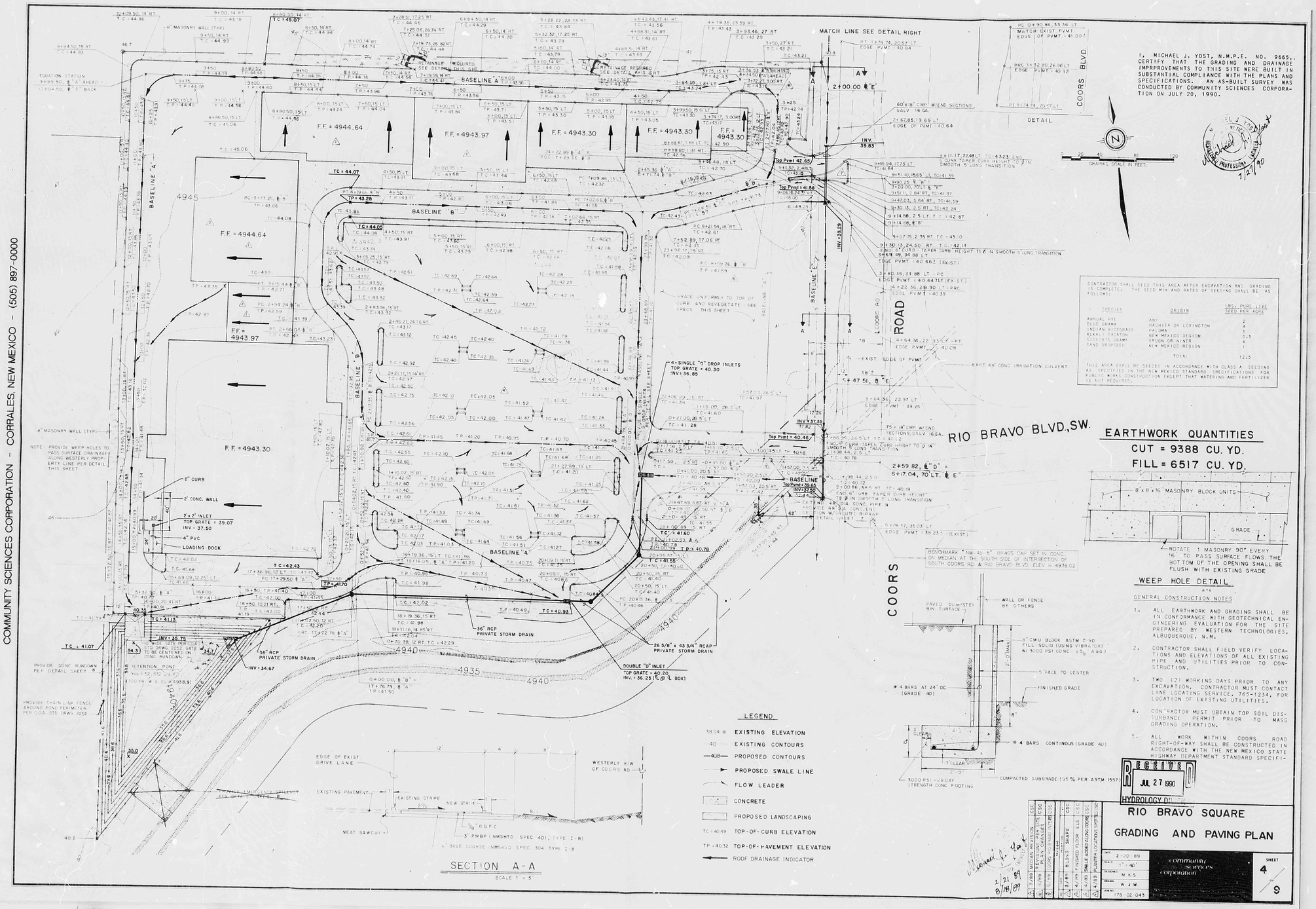
This microimage is certified to be a complete and accurate copy of the original as it appears in the files of the PUBLIC WORKS DEPARTMENT - HYDROLOGY DIVISION and was filmed in the normal course of business. The photographic processes used meet the Basic Microfilm Standards of the National Micrographics Association (ISO115-1977).

Karen Aunn
CITY CLERK RECORDER

OFFICIAL SEAL NORBERTA SANCHEZ NOTARY PUBLIC STATE OF NEW MEXICO My Commission Expires MAY 8 1992
Norberta Sanchez

D 24 C 20 B 16 A 12 CITY OF ALBUQUERQUE C D

COMMUNITY SCIENCES CORPORATION - CORRALES, NEW MEXICO - (505) 897-0000



I, MICHAEL J. YOST, N.M.P.E. NO. 9665, CERTIFY THAT THE GRADING AND DRAINAGE IMPRPROVEMENTS TO THIS SITE WERE BUILT IN SUBSTANTIAL COMPLIANCE WITH THE PLANS AND SPECIFICATIONS. AN AS-BUILT SURVEY WAS CONDUCTED BY COMMUNITY SCIENCES CORPORATION ON JULY 20, 1990.

MICHAEL J. YOST NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 9665

7/27/90

CONTRACTOR SHALL SEED THIS AREA AFTER EXCAVATION AND GRADING IS COMPLETE. THE SEED MIX AND RATES OF SEEDING SHALL BE AS FOLLOWS:

SPECIES	ORIGIN	LBS. PURE LIVE SEED PER ACRE
ANNUAL RYE	ANY	2
BLUE GRAMA	HACHITA OR LOVINGTON	4
INDIAN RICEGRASS	PALOMA	1
ALKALI SACATON	NEW MEXICO REGION	0.5
SIDEOATS GRAMA	VAUGN OR NINER	4
SAND DROPSEED	NEW MEXICO REGION	1
	TOTAL	12.5

THIS AREA SHALL BE SEEDED IN ACCORDANCE WITH CLASS A SEEDING AS SPECIFIED IN THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION EXCEPT THAT WATERING AND FERTILIZER IS NOT REQUIRED.

EARTHWORK QUANTITIES

CUT = 9388 CU. YD.

FILL = 6517 CU. YD.

GENERAL CONSTRUCTION NOTES

1. ALL EARTHWORK AND GRADING SHALL BE IN CONFORMANCE WITH GEOTECHNICAL ENGINEERING EVALUATION FOR THE SITE PREPARED BY WESTERN TECHNOLOGIES, ALBUQUERQUE, N.M.
2. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND ELEVATIONS OF ALL EXISTING PIPE AND UTILITIES PRIOR TO CONSTRUCTION.
3. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
4. CONTRACTOR MUST OBTAIN TOP SOIL DISTURBANCE PERMIT PRIOR TO MASS GRADING OPERATION.
5. ALL WORK WITHIN COORS ROAD RIGHT-OF-WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY DEPARTMENT STANDARD SPECIFI-

RECEIVED JUL 27 1990 HYDROLOGY DIV.

5	7-89	TWO STAGE INFILTRATION	CSC
4	4-89	REVISION PLAN CHANGES	CSC
3	3-89	REVISED PER CITY COMMENTS	CSC
2	3-89	BUILDING SHAPE	CSC
1	2-89	REVISED FLOOR ELEV.	CSC
0	2-89	SINGLE ADDITION DOORS	CSC
0	1-89	PLANTER LOCATION SPEC.	CSC

2/21/89
3/18/89

RIO BRAVO SQUARE

GRADING AND PAVING PLAN

DATE 2-20-89
SCALE 1" = 40'
DESIGNED M.K.S.
DRAWN W.J.W.
JOB NO. 178-02-043

community sciences corporation

SHEET 4 OF 9

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT.

REF. 22 DATE 6-25-93 OP. KSP

CITY OF ALBUQUERQUE
This microimage is certified to be a complete and accurate copy of the original as it appears in the files of the PUBLIC WORKS DEPARTMENT - HYDROLOGY DIVISION and was filmed in the normal course of business. The photographic processes used meet the Basic Microfilm Standards of the National Micrographics Association (AS115-1977).

Karen Aiken
CITY CLERK RECORDER

OFFICIAL SEAL NORBERTA SANCHEZ NOTARY PUBLIC STATE OF NEW MEXICO My Commission Expires: NOV 8 1995
Norberta Sanchez

D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C D