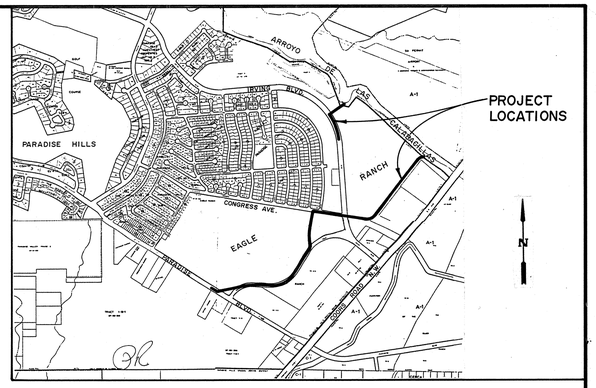
CITY OF ALBUQUERQUE
NEW MEXICO

EAGLE RANCH STORMDRAIN

COLLECTOR STORMSEWER
W/ TEMPORARY INLETS & DESILTING PONDS

AUGUST, 1985

BELLAMAH COMMUNITY DEVELOPMENT



VICINITY MAP

CITY MAP NOS. B-13, C-12 & 13

GENERAL NOTES:

GENERAL NOTES:

1. All work detailed on these plans to be performed under this Contract shall, except as otherwise stated or provided for in the Special Provisions of the Contract, be constructed in accordance with the City of Albuquerque Interim Standard Specifications - Public Works Construction - 1985 Edition.
2. Two (2) working days prior to any excavation, Contractor must contact Line Locating Service, 765-1234, for locating of existing utilities.
3. Prior to construction, the Contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the Contractor shall notify the engineer or surveyor so that the conflict can be resolved with minimum amount of delay.
4. All utilities and utility service lines shall be installed prior to paving.
5. Backfill compaction shall be according to specified street use.
6. Tack coat requirements shall be determined by the City Engineer.
7. Sidewalks and wheelchair ramps within the curb returns shall be constructed wherever a new curb return is constructed.
8. If curb is depressed for a drivepad or a handicap ramp, the drivepad or ramp shall be constructed prior to acceptance of the curb and gutter.
9. All storm drainage facilities shall be completed prior to final acceptance.
10. Disposal of all waste material shall be the responsibility of the Contractor as specified in Section 6.14 of the General Conditions in the City of Albuquerque Interim Standard Specifications - Public Works Construction - 1985 Edition.
11. All construction, inspection, and certification shall be in conformance with the approved Subdivision Improvements Agreement.
12. The Contractor shall submit a traffic control plan and receive a barricading permit from the City Traffic Engineer prior to construction within the Paradise Blvd. and Irving Blvd. right-of-ways.

1 2 3 4 5 6 7 8 9 10 11 12
26 22040186

INDEX TO DRAWINGS

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY COMMUNITY SCIENCES CORP., HUGG SURVEYING CO. AND EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.

CHARLES M. EASTERLING NEW MEXICO 6411 REGISTERED PROFESSIONAL ENGINEER
6-6-85

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 8-27-86

CONSTRUCTION SAFETY

These drawings do not include necessary components for construction safety which shall remain the contractor's responsibility.

REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE

APPROVAL OF REVISIONS

PLANS PREPARED UNDER DIRECTION OF:
CHARLES M. EASTERLING NEW MEXICO 6411 REGISTERED PROFESSIONAL ENGINEER
DATE 6-6-85

EASTERLING & ASSOCIATES, INC.
CONSULTING ENGINEERS
5643 PARADISE BLVD. N.W.
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-8021

APPROVED FOR CONSTRUCTION
CITY ENGINEER
11/1/85

PROJECT NO. 2204

SHEET 1 OF 19

REPLAT OF TRACT A-2-2, TRACT 2C, PROPOSED
EAGLE RANCH ROAD, PROPOSED CONGRESS AVENUE
A PORTION OF TRACT 3 & TRACT I OF EAGLE RANCH TO
TRACTS "AA", "BB", 2,3,5-8,10,13-17, 21,22,24-28

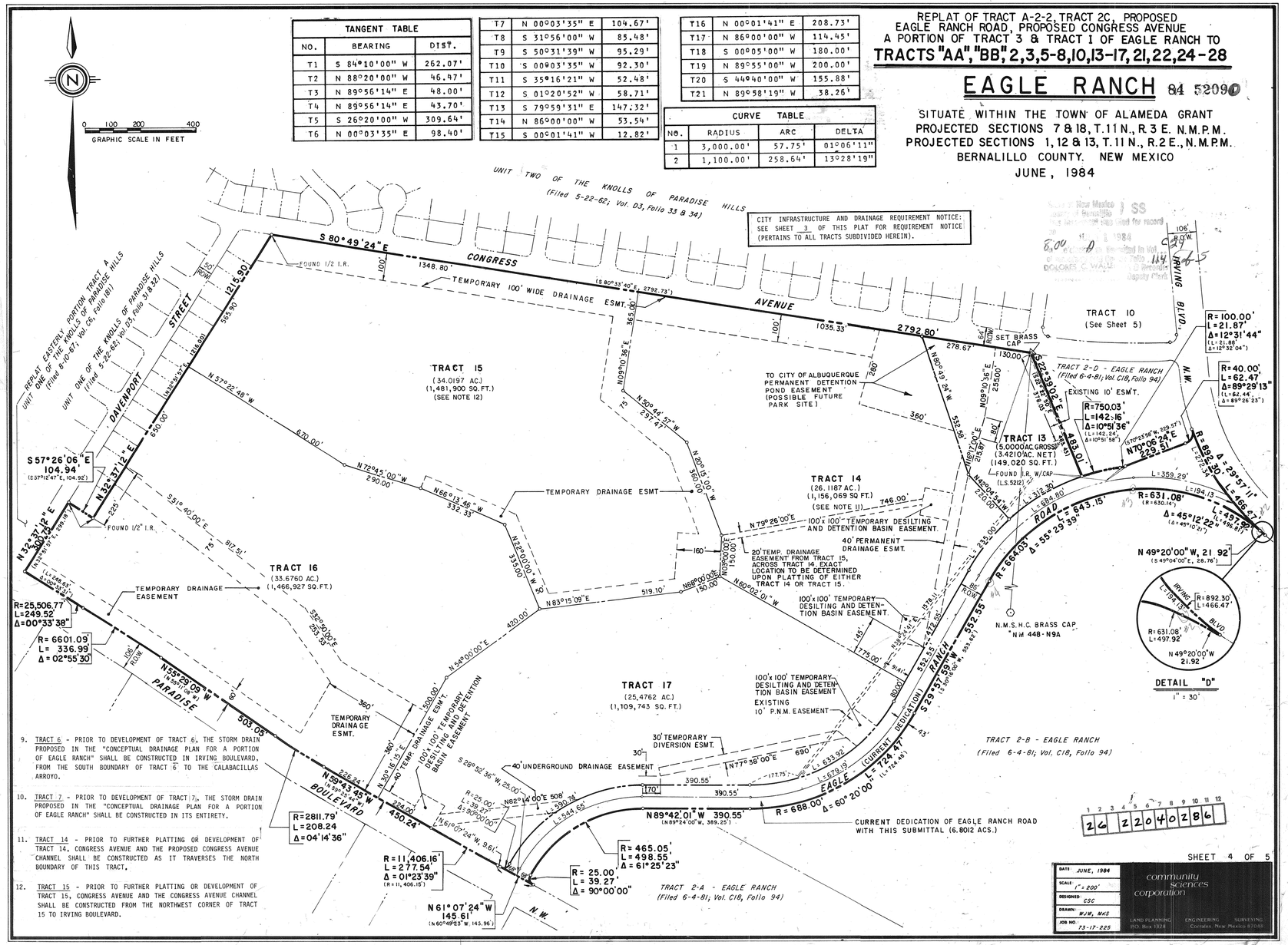
EAGLE RANCH 84 52090

SITUATE WITHIN THE TOWN OF ALAMEDA GRANT
PROJECTED SECTIONS 7 & 18, T.11 N., R.3 E. N.M.P.M.
PROJECTED SECTIONS 1, 12 & 13, T.11 N., R.2 E., N.M.P.M.
BERNALILLO COUNTY. NEW MEXICO
JUNE, 1984

TANGENT TABLE		
NO.	BEARING	DIST.
T1	S 84°10'00" W	262.07'
T2	N 88°20'00" W	46.47'
T3	N 89°56'14" E	48.00'
T4	N 89°56'14" E	43.70'
T5	S 26°20'00" W	309.64'
T6	N 00°03'35" E	98.40'
T7	N 00°03'35" E	104.67'
T8	S 31°56'00" W	85.48'
T9	S 50°31'39" W	95.29'
T10	S 00°03'35" W	92.30'
T11	S 35°16'21" W	52.48'
T12	S 01°20'52" W	58.71'
T13	S 79°59'31" E	147.32'
T14	N 86°00'00" W	53.54'
T15	S 00°01'41" W	12.82'
T16	N 00°01'41" E	208.73'
T17	N 86°00'00" W	114.45'
T18	S 00°05'00" W	180.00'
T19	N 89°55'00" W	200.00'
T20	S 44°40'00" W	155.88'
T21	N 89°58'19" W	38.26'

CURVE TABLE			
NO.	RADIUS	ARC	DELTA
1	3,000.00'	57.75'	01°06'11"
2	1,100.00'	258.64'	13°28'19"

CITY INFRASTRUCTURE AND DRAINAGE REQUIREMENT NOTICE: SEE SHEET 3 OF THIS PLAT FOR REQUIREMENT NOTICE (PERTAINS TO ALL TRACTS SUBDIVIDED HEREIN).



9. TRACT 6 - PRIOR TO DEVELOPMENT OF TRACT 6, THE STORM DRAIN PROPOSED IN THE "CONCEPTUAL DRAINAGE PLAN FOR A PORTION OF EAGLE RANCH" SHALL BE CONSTRUCTED IN IRVING BOULEVARD, FROM THE SOUTH BOUNDARY OF TRACT 6 TO THE CALABACILLAS ARROYO.

10. TRACT 7 - PRIOR TO DEVELOPMENT OF TRACT 7, THE STORM DRAIN PROPOSED IN THE "CONCEPTUAL DRAINAGE PLAN FOR A PORTION OF EAGLE RANCH" SHALL BE CONSTRUCTED IN ITS ENTIRETY.

11. TRACT 14 - PRIOR TO FURTHER PLATTING OR DEVELOPMENT OF TRACT 14, CONGRESS AVENUE AND THE PROPOSED CONGRESS AVENUE CHANNEL SHALL BE CONSTRUCTED AS IT TRAVERSES THE NORTH BOUNDARY OF THIS TRACT.

12. TRACT 15 - PRIOR TO FURTHER PLATTING OR DEVELOPMENT OF TRACT 15, CONGRESS AVENUE AND THE CONGRESS AVENUE CHANNEL SHALL BE CONSTRUCTED FROM THE NORTHWEST CORNER OF TRACT 15 TO IRVING BOULEVARD.

26 2 2 0 4 0 2 8 6

SHEET 4 OF 5

DATE: JUNE, 1984	community sciences corporation
SCALE: 1" = 200'	
DESIGNED: CSC	
DRAWN: WJW, MKS	
JOB NO. 73-17-225	LAND PLANNING P.O. Box 1328 · ENGINEERING · SURVEYING Corrales, New Mexico 87048

NOTE:

DRAINAGE EASEMENTS ARE NOT CORRECTLY SHOWN ON THE ABOVE COPY OF THE PLAT.

PROPOSED EASEMENTS ARE SHOWN ON CONSTRUCTION DRAWINGS.

LEGAL DESCRIPTIONS OF EASEMENTS WILL BE FILED PRIOR TO REQUESTING WORK ORDER FOR CONSTRUCTION.

PLATS WILL BE REVISED LATER AS REQUIRED.

RECORD DRAWINGS

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AS BUILT INFORMATION: CONTRACTOR; WORK STAKED BY; INSPECTOR'S ACCEPTANCE BY; FIELD VERIFICATION BY; DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION: RECORDED BY; DATE; NO.

BENCH MARKS

SURVEY INFORMATION: FIELD NOTES — NO. | BY | DATE

ENGINEER'S SEAL: DOUGLAS M. EASTERLING, NEW MEXICO 6411, REGISTERED PROFESSIONAL ENGINEER — 8-27-85

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY — DATE
DRAWN BY — DATE
CHECKED BY — DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:

PLAT - TRACTS 13 - 17

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

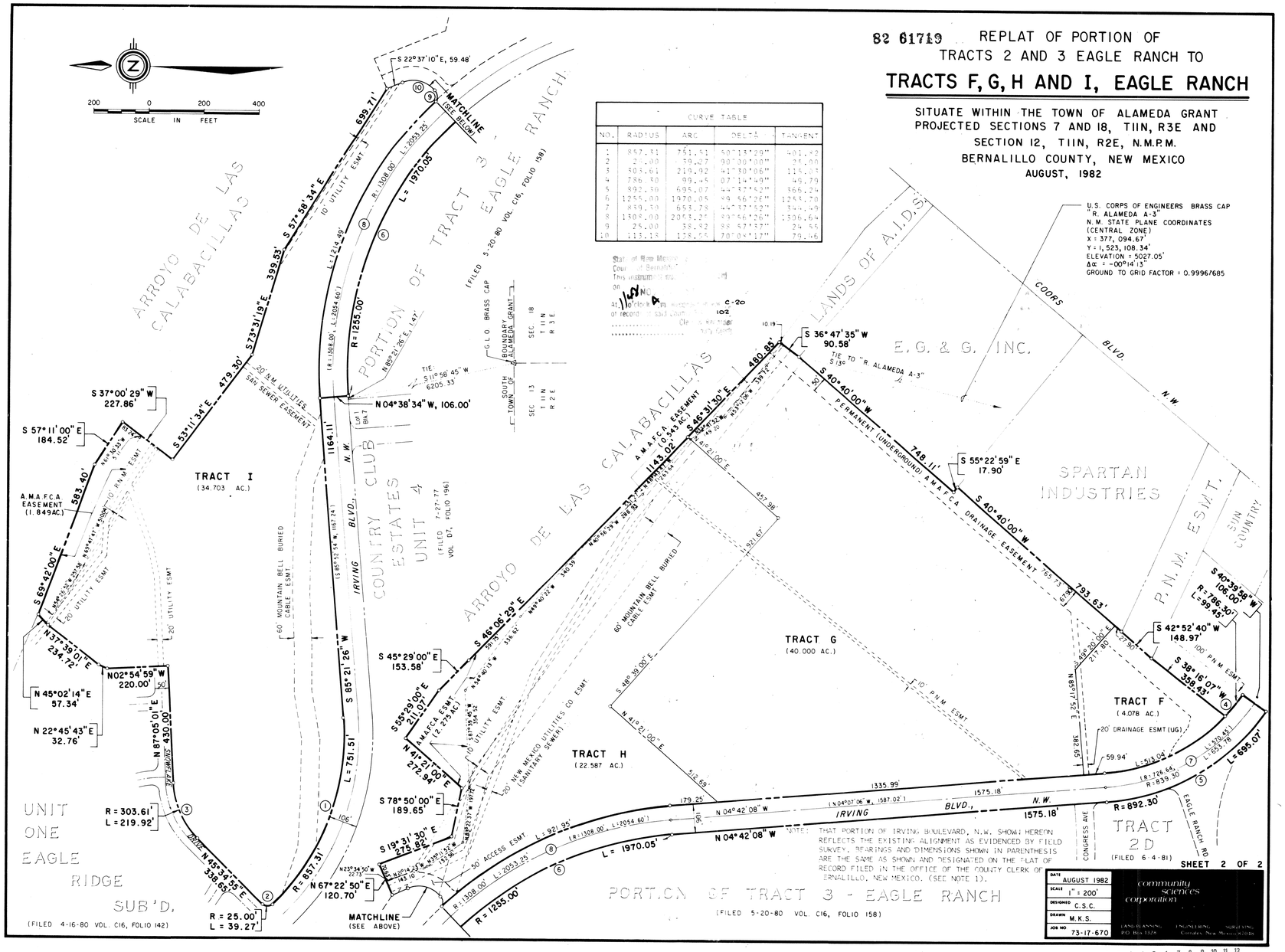
N.A. NEO 10/85

DRAWING NO.	MAP NO.	SHEET	OF
2204	B-12 & 13 C-12 & 13	2	19

82 61719 REPLAT OF PORTION OF TRACTS 2 AND 3 EAGLE RANCH TO

TRACTS F, G, H AND I, EAGLE RANCH

SITUATE WITHIN THE TOWN OF ALAMEDA GRANT
PROJECTED SECTIONS 7 AND 18, T11N, R3E AND
SECTION 12, T11N, R2E, N.M.P.M.
BERNALILLO COUNTY, NEW MEXICO
AUGUST, 1982



CURVE TABLE				
NO.	RADIUS	ARC	DELTA	TANGENT
1	857.31	751.51	50°13'29"	401.82
2	25.00	39.27	90°00'00"	25.00
3	303.61	219.92	41°30'06"	115.05
4	786.30	99.45	07°14'49"	49.79
5	892.30	695.07	44°37'52"	366.24
6	1255.00	1970.05	89°56'26"	1253.70
7	839.30	653.78	44°37'52"	344.49
8	1308.00	2053.25	89°56'26"	1306.64
9	25.00	38.82	88°57'37"	24.55
10	113.18	138.55	70°08'17"	79.46

State of New Mexico
County of Bernalillo
This instrument was filed for record
on 11/24 NOV
At 4 o'clock m. Recorded in vol. C-20
of records of said County Folio 102
Clerk & Recorder
Deputy Clerk

U.S. CORPS OF ENGINEERS BRASS CAP
"R. ALAMEDA A-3"
N.M. STATE PLANE COORDINATES
(CENTRAL ZONE)
X = 377, 094.67'
Y = 1, 523, 108.34'
ELEVATION = 5027.05'
Δα = -00°14'13"
GROUND TO GRID FACTOR = 0.99967685

NOTE: THAT PORTION OF IRVING BOULEVARD, N.W. SHOWN HEREON REFLECTS THE EXISTING ALIGNMENT AS EVIDENCED BY FIELD SURVEY. BEARINGS AND DIMENSIONS SHOWN IN PARENTHESIS ARE THE SAME AS SHOWN AND DESIGNATED ON THE PLAT OF RECORD FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO, NEW MEXICO. (SEE NOTE 1).

SHEET 2 OF 2

DATE	AUGUST 1982
SCALE	1" = 200'
DESIGNED	C.S.C.
DRAWN	M.K.S.
JOB NO.	73-17-670

community sciences corporation
LAND PLANNING ENGINEERING SURVEYING
P.O. Box 1328 Corrales, New Mexico 87048

1 2 3 4 5 6 7 8 9 10 11 12
26 22040386

NOTE:

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PROPOSED EASEMENTS ARE SHOWN ON CONSTRUCTION DRAWINGS.

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PLATS WILL BE REVISED LATER AS REQUIRED.

6411
8-6-85

RECORD DRAWINGS

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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:

PLAT - TRACTS F-I

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	NA MRO 9/18/85		Liquid Waste		
A.C.E-Design			Traffic		
A.C.E-Hydrology			Water		

DRAWING NO. 2204
MAP NO. B-12 & 13, C-12 & 13
SHEET 3 OF 19

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
DATE

MICRO-FILM INFORMATION
RECORDED BY
NO.
DATE

BENCH MARKS

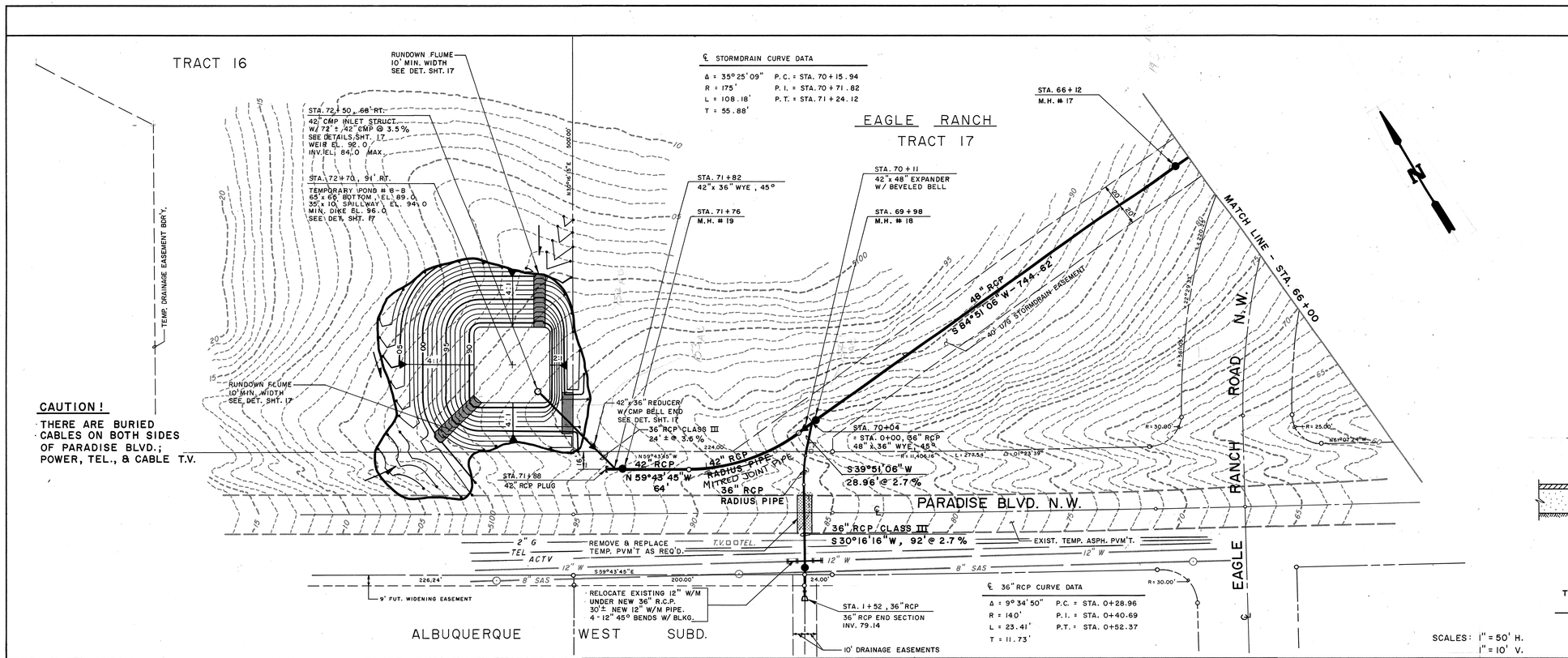
SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
6411
8-6-85

REMARKS

REVISIONS
NO. DATE BY

DESIGN
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE



RECORD DRAWINGS

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REGISTERED PROFESSIONAL ENGINEER 6411

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 2 0 4 0 4 8 6

AS BUILT INFORMATION

CONTRACTOR	
WORK STAKED BY	DATE
INSPECTORS ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

ACS BRASS CAP "NM 448 - N9A"
ELEV. 5004.145, LOCATED AT THE INTERSECTION OF COORS RD. AND PARADISE BLVD. N.W.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	LEVERTON-EASTERLING, INC.	9-10-84

ENGINEER'S SEAL

CHARLES M. EASTERLING NEW MEXICO 6411 REGISTERED PROFESSIONAL ENGINEER

6-27-85

NO.	DATE	REMARKS	BY

REVISIONS

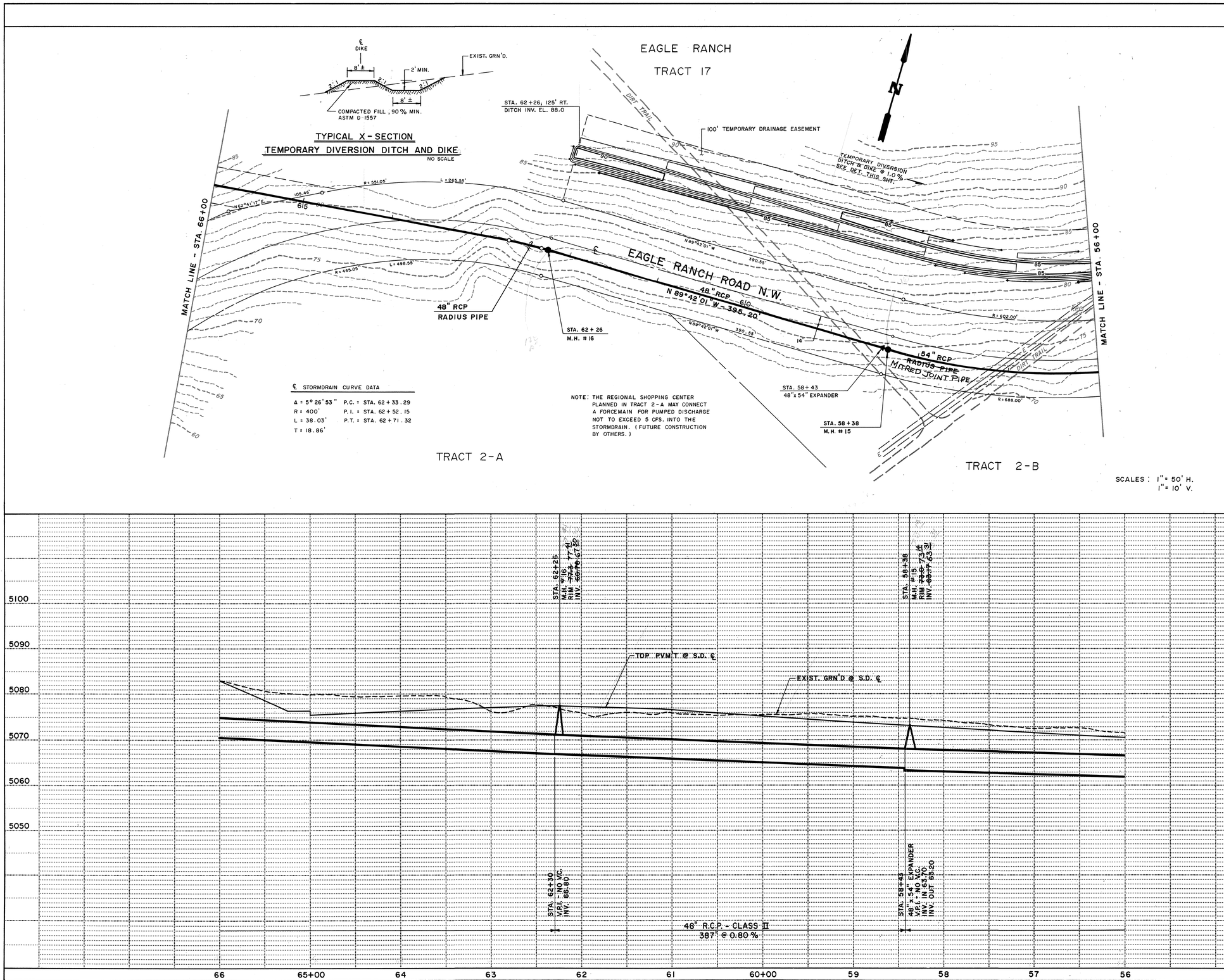
DESIGNED BY DATE
DRAWN BY DATE 1-85
CHECKED BY DATE 6-6-85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: EAGLE RANCH ROAD STORMDRAIN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/13/85	Liquid Waste	N.A.	6/12/85
A.C.E.-Design		6/18/85	Traffic		6/12/85
A.C.E.-Hydrology		6/12/85	Water	N.A.	6/12/85

DRAWING NO. 2204 | MAP NO. C-12 | SHEET 4 OF 19



GENERAL NOTE

PRIOR TO COMPLETION OF THE PROJECT, ALL AREAS DISTURBED BY THE CONSTRUCTION ACTIVITIES SHALL BE DISKED OR HARROWED TO A MINIMUM DEPTH OF 4 INCHES PARALLEL TO THE GENERAL DIRECTION OF THE CONTOURS IN ORDER TO MINIMIZE EROSION AND RETAIN WATER TO PROMOTE RE-VEGETATION.

AS BUILT INFORMATION

CONTRACTOR WORK STAKED BY — DATE
INSPECTORS ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

ACS. BRASS CAP "NM 448-N9A"
ELEV. 5004.145, LOCATED AT THE INTERSECTION OF COORS RD. AND PARADISE BLVD. N.W.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	LEVERTON & EASTERLING, INC.	9-19-84

ENGINEER'S SEAL

NEW MEXICO CHARLES R. EASTERLING REGISTERED PROFESSIONAL ENGINEER 5351
8-27-85

RECORD DRAWINGS

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NEW MEXICO 6411 REGISTERED PROFESSIONAL ENGINEER
6-27-85

NO.	DATE	REMARKS	BY

REVISIONS

DESIGNED BY — DATE
DRAWN BY Tm.A. Oak — DATE 1-85
CHECKED BY — DATE 6-6-85

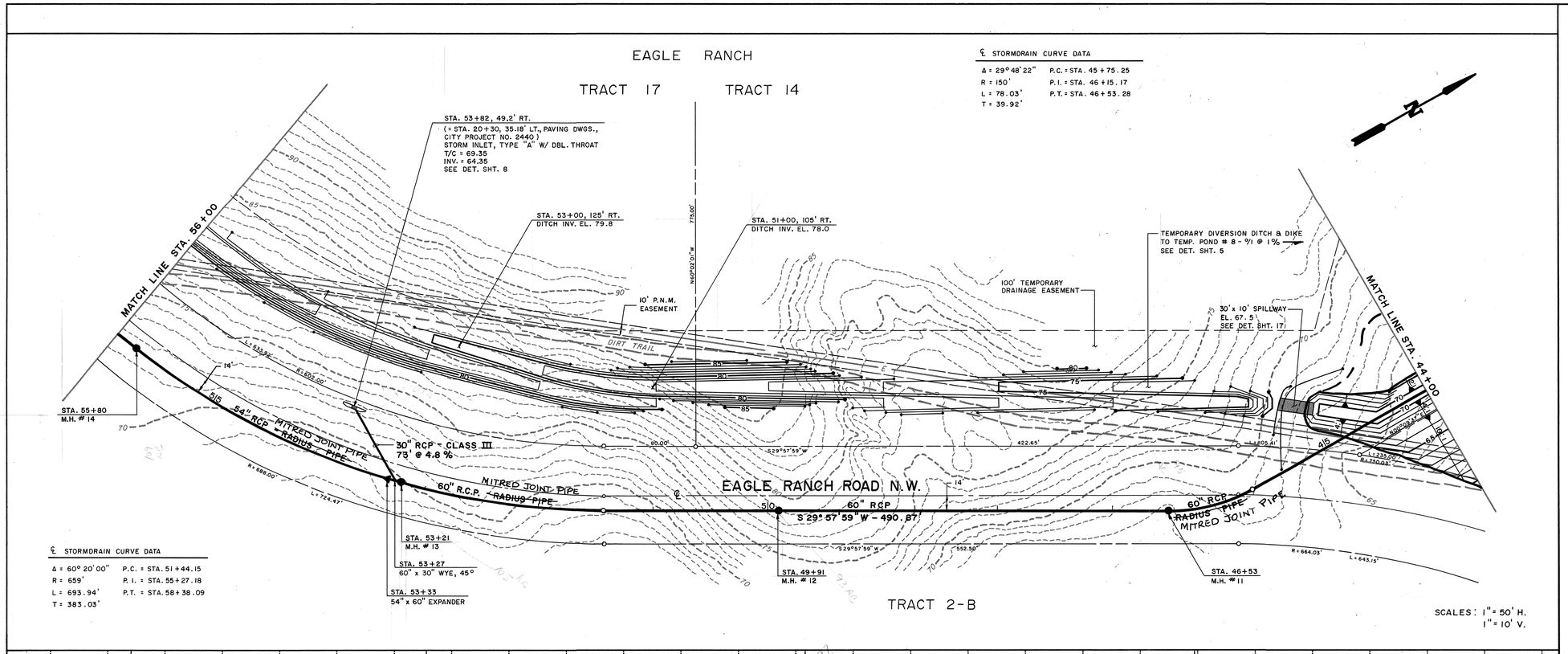
1 2 3 4 5 6 7 8 9 10 11 12
Z6 2204058 6

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: EAGLE RANCH ROAD STORMDRAIN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	N.A.	6/12/85
A.C.E.- Design		9/26/85	Traffic		6/12/85
A.C.E.-Hydrology		6/12/85	Water	N.A.	6/12/85

DRAWING NO. 2204 — MAP NO. C-13 — SHEET 5 OF 19

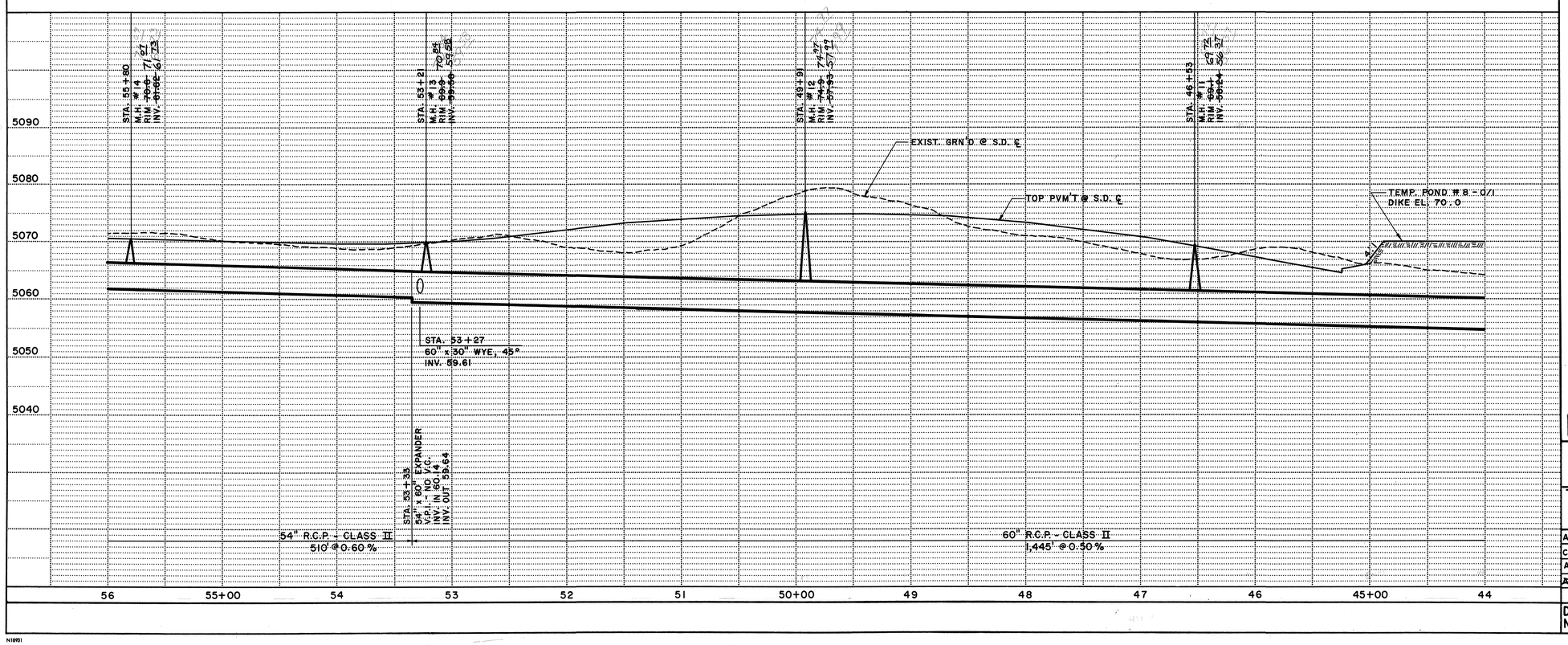


℄ STORMDRAIN CURVE DATA

Δ = 29° 48' 22"	P.C. = STA. 45 + 75.25
R = 150'	P.I. = STA. 46 + 15.17
L = 78.03'	P.T. = STA. 46 + 53.28
T = 39.92'	

℄ STORMDRAIN CURVE DATA

Δ = 60° 20' 00"	P.C. = STA. 51 + 44.15
R = 659'	P.I. = STA. 55 + 27.18
L = 693.94'	P.T. = STA. 58 + 38.09
T = 383.03'	



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REGISTERED PROFESSIONAL ENGINEER 6411

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 2 0 4 0 6 8 6

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: EAGLE RANCH ROAD STORMDRAIN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	N.A.	6/12/85
A.C.E.- Design		9/18/85	Traffic	NADOT	6/12/85
A.C.E.-Hydrology		6/12/85	Water	N.A.	6/12/85

DRAWING NO.	MAP NO.	SHEET	OF
2204	C-13	6	19

AS BUILT INFORMATION

CONTRACTOR / WORK STAKED BY — DATE
INSPECTORS ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS BRASS CAP "NM 448 - N9A"
ELEV. 5004.145, LOCATED AT THE INTERSECTION OF COORS RD. AND PARADISE BLVD. N.W.

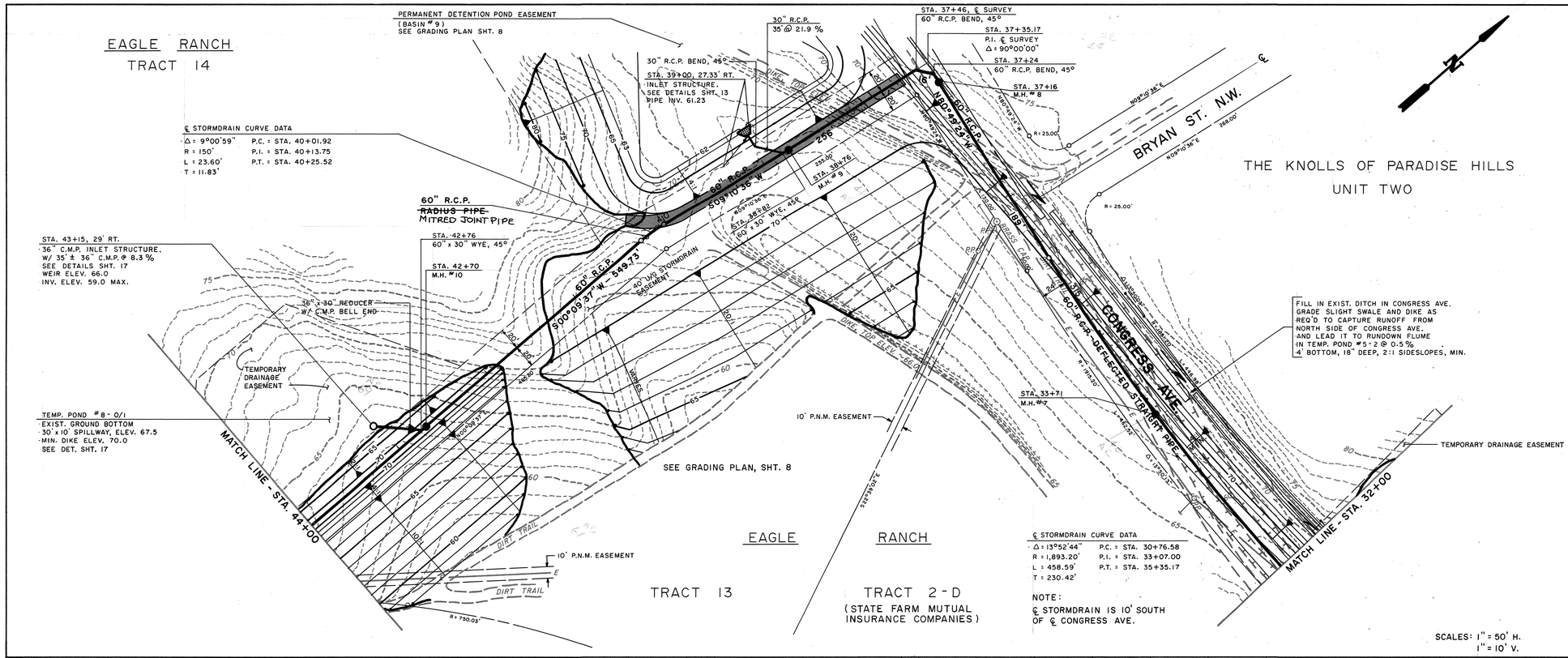
SURVEY INFORMATION
FIELD NOTES

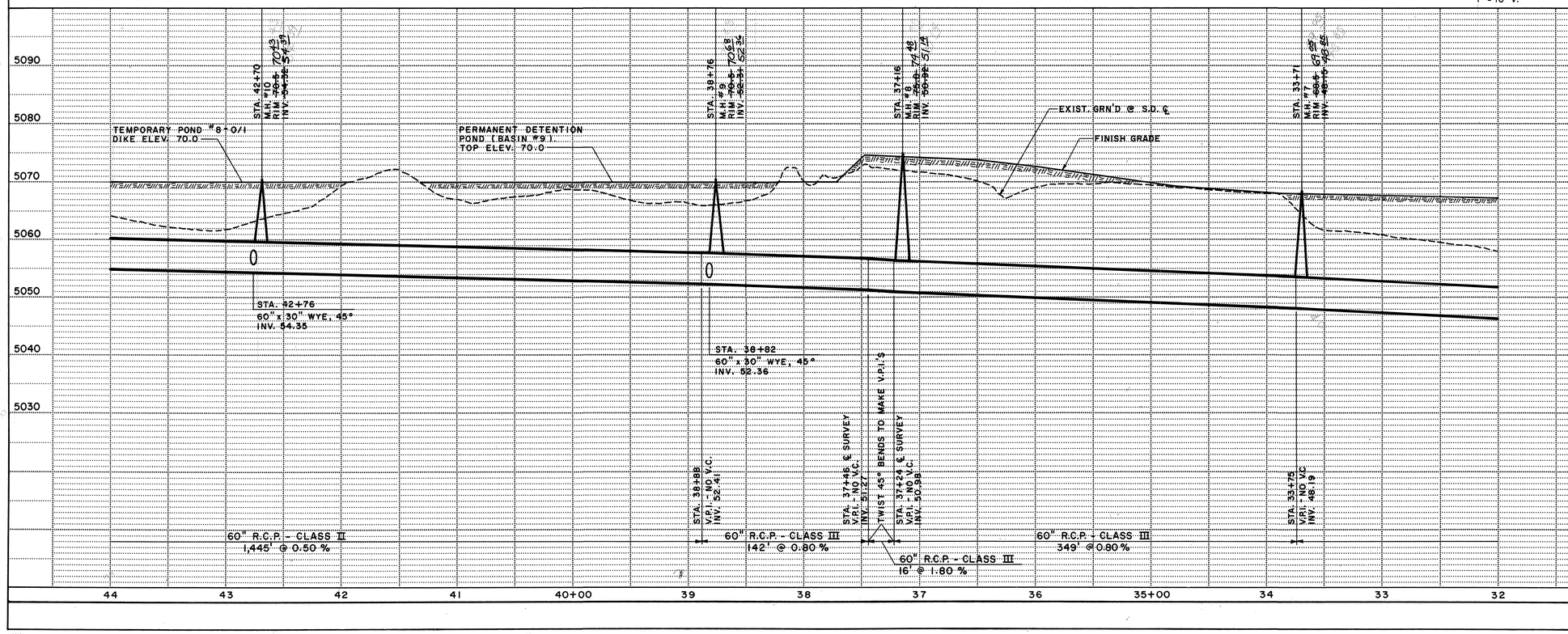
NO.	BY	DATE
	LEVERTON-EASTERLING INC.	9-19-84

ENGINEER'S SEAL
CHARLES M. EASTERLING NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 8-27-85

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY — DATE
DRAWN BY — DATE 1-85
CHECKED BY — DATE 6-6-85





RECORD DRAWINGS

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1	2	3	4	5	6	7	8	9	10	11	12
2	6	2	2	0	4	0	7	8	6		

AS BUILT INFORMATION

		DATE
CONTRACTOR		
WORK STAKED BY		
INSPECTORS ACCEPTANCE BY		
FIELD VERIFICATION BY		
DRAWINGS CORRECTED BY		

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

ACS BRASS CAP "NM 448 - N9A"
ELEV. 5004.145, LOCATED AT THE INTERSECTION OF COORS RD. AND PARADISE BLVD. N.W.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	LEVERTON-EASTERLING, INC.	9-10-84

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY — DATE
DRAWN BY — DATE 1-85
CHECKED BY — DATE 6-6-85

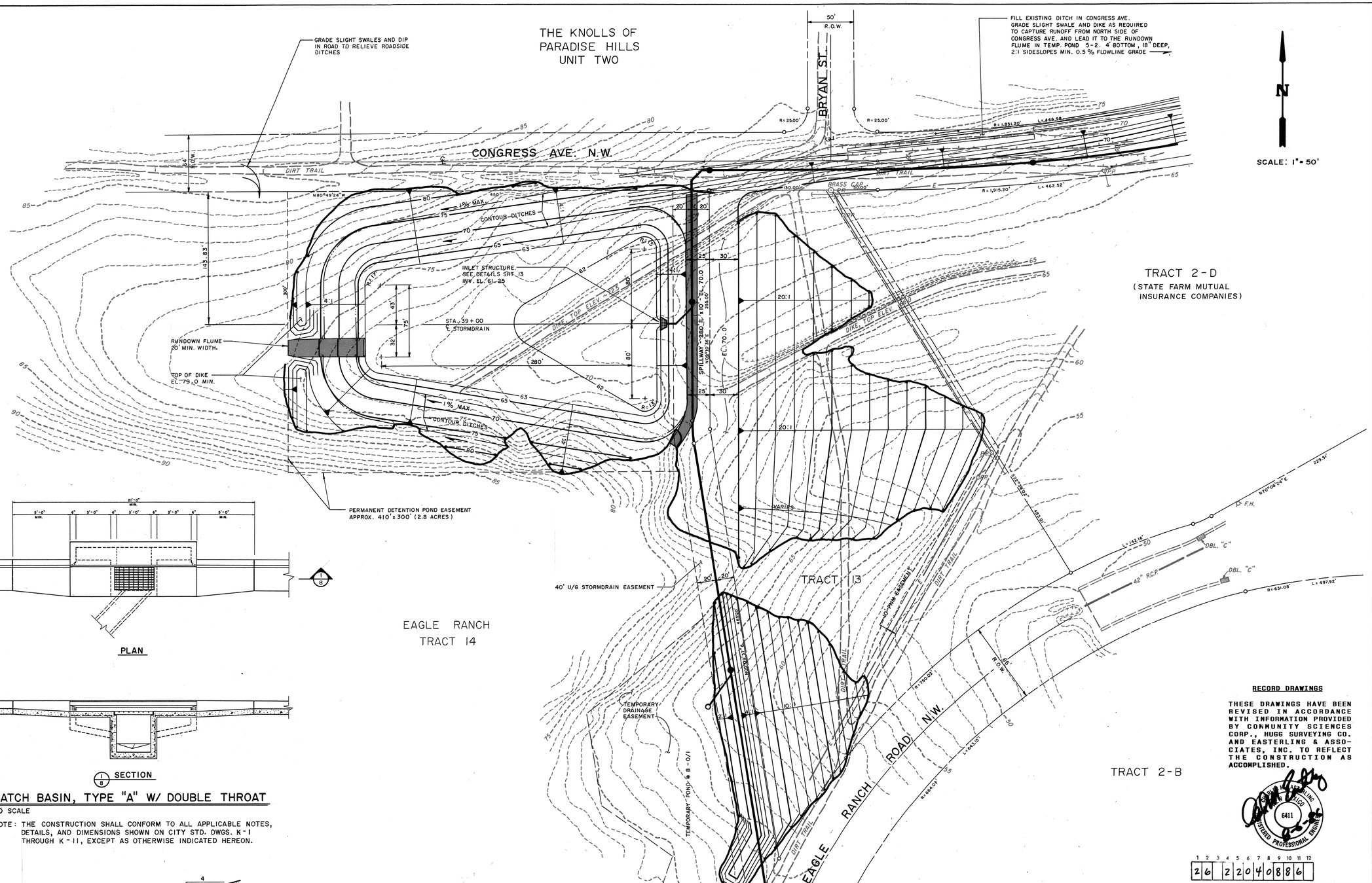
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

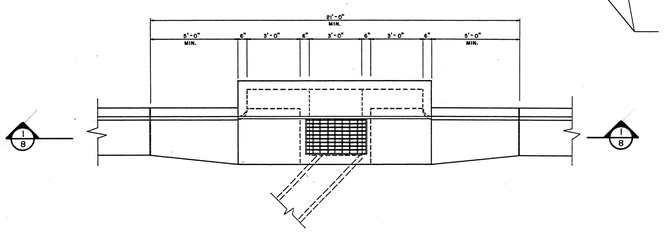
TITLE: EAGLE RANCH ROAD STORMDRAIN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		6/12/85
A.C.E.- Design		9/18/85	Traffic		6/12/85
~~A.C.E.~~ - Hydrology		6/12/85	Water		6/12/85

DRAWING NO.	MAP NO.	SHEET
2204	B & C - 13	7 OF 19

AF 22440A





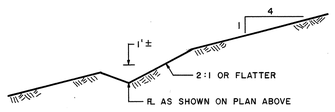
PLAN

1/8 SECTION

CATCH BASIN, TYPE "A" W/ DOUBLE THROAT

NO SCALE

NOTE: THE CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE NOTES, DETAILS, AND DIMENSIONS SHOWN ON CITY STD. DWGS. K-1 THROUGH K-11, EXCEPT AS OTHERWISE INDICATED HEREON.



TYP. CONTOUR DITCH

NO SCALE

NOTE: CUT CONTOUR DITCHES AFTER POND SLOPES HAVE BEEN ROUGH GRADED.

RECORD DRAWINGS

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NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY DATE
DRAWN BY DATE 1-85
CHECKED BY DATE 6-6-85

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY DATE
INSPECTORS ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS BRASS CAP "NM 448-N9A"
ELEV. 5004.145, LOCATED AT THE INTERSECTION OF COORS RD. AND PARADISE BLVD. N.W.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	LEVERTON-EASTERLING INC.	9-10-84

ENGINEER'S SEAL

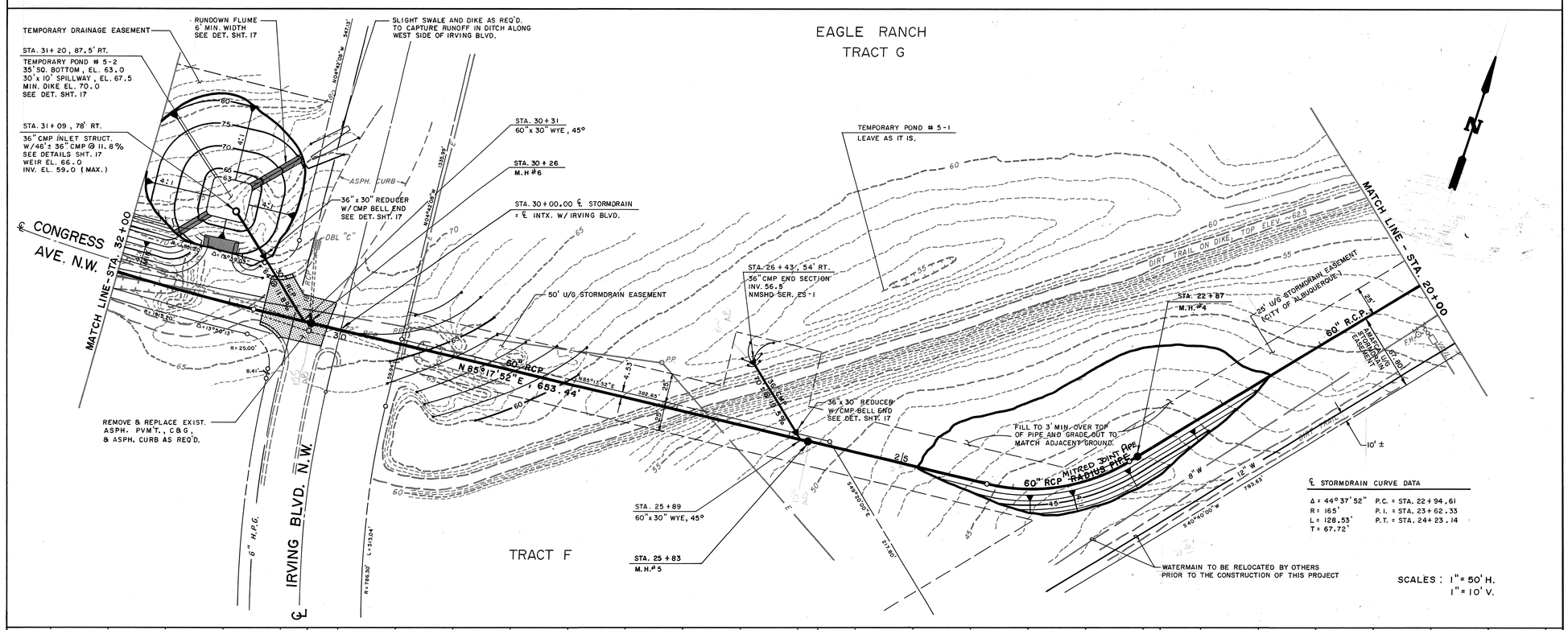
1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 2 0 4 0 8 8 6

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: GRADING PLAN
PERMANENT DETENTION POND
& TRACT 13

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		9/26	Liquid Waste	N.A.	6/12/85
A.C.E.-Design		9/18/85	Traffic		6/11/85
~~A.C.E.~~-Hydrology		6/12/85	Water	N.A.	6/12/85

DRAWING NO. 2204 | MAP NO. B & C-13 | SHEET 8 OF 19



NOTE: SEE SHT. 11 FOR TYPICAL REPLACEMENT PAVING SECTION AND CURB SECTION FOR IRVING BLVD.

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY COMMUNITY SCIENCES CORP., HUGG SURVEYING CO. AND EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.

6411 REGISTERED PROFESSIONAL ENGINEER

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 2 0 4 0 9 8 6

AS BUILT INFORMATION

CONTRACTOR	DATE
WORK STAKED BY	
INSPECTORS FIELD CHANGE BY	DATE
VERIFICATION BY AS-BUILTS	DATE
CORRECTED BY MICRO-FILM INFORMATION	DATE
RECORDED BY	DATE
NO.	

BENCH MARKS

ACS BRASS CAP "NM 448-N9A"
ELEV. 5004.145, LOCATED AT THE INTERSECTION OF COORS RD. AND PARADISE BLVD. N.W.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	LEVERTON-EASTERLING INC.	9-10-84

ENGINEER'S SEAL

NEW MEXICO 6411 REGISTERED PROFESSIONAL ENGINEER 6-21-85

NO.	DATE	REMARKS	BY

REVISIONS

DESIGNED BY W.E.C. DATE 1-85
DRAWN BY M.S., G.A.W. DATE 6-6-85
CHECKED BY W.E.C. DATE 6-6-85

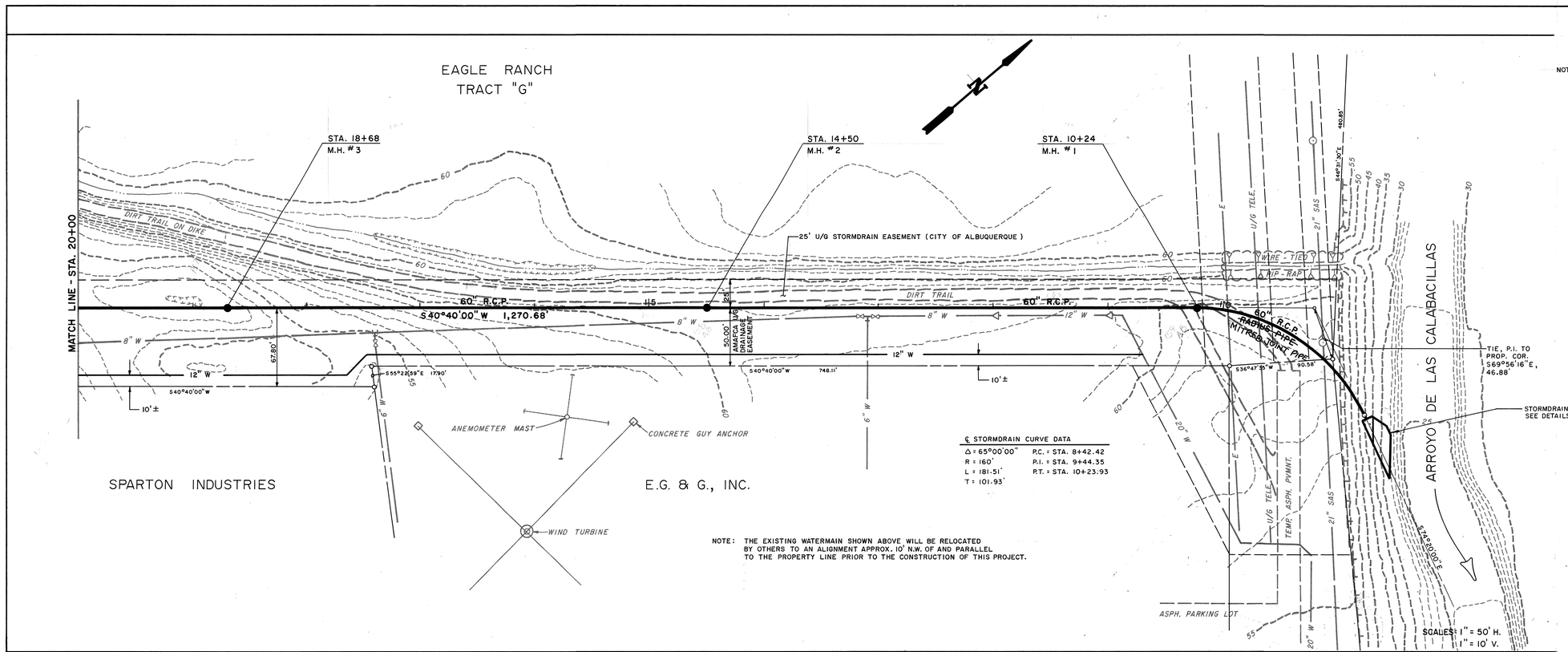
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: EAGLE RANCH ROAD STORMDRAIN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		9/9/85	Liquid Waste	NA	6/12/85
A.C.E.-Design		9/9/85	Traffic	V.B. Duff	6/12/85
A.C.E.-Hydrology		6/12/85	Water	NA	6/12/85

DRAWING NO.	MAP NO.	SHEET	OF
2204	B-13	9	19

N18931

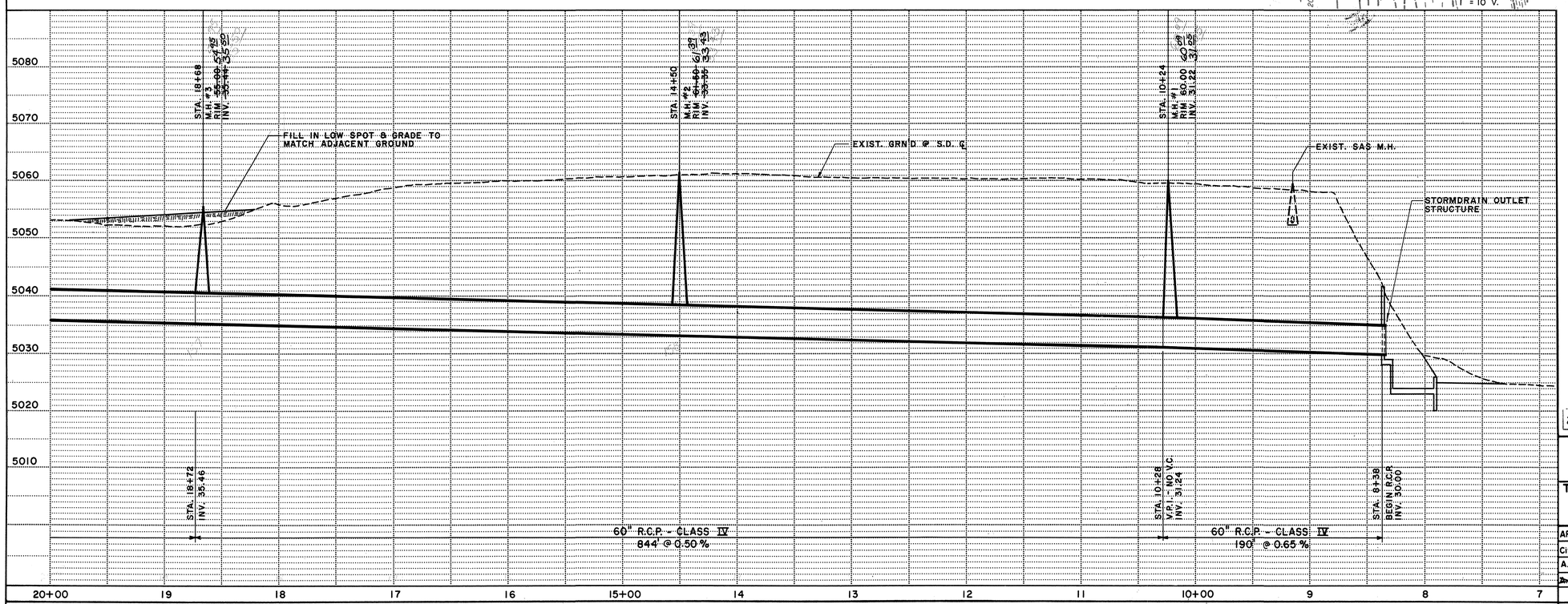


NOTE: THE EXISTING WATERMAIN SHOWN ABOVE WILL BE RELOCATED BY OTHERS TO AN ALIGNMENT APPROX. 10' N.W. OF AND PARALLEL TO THE PROPERTY LINE PRIOR TO THE CONSTRUCTION OF THIS PROJECT.

NOTE: THIS CONTRACTOR SHALL MAINTAIN THE 21" SANITARY SEWER IN OPERATION DURING THE CONSTRUCTION AND SHALL RESTORE ANY PORTION OF IT THAT HE DISTURBS WITH HIS OPERATIONS, IN A MANNER SATISFACTORY TO THE NEW MEXICO UTILITIES CORP.

℄ STORMDRAIN CURVE DATA

Δ = 65°00'00"	P.C. = STA. 8+42.42
R = 160'	P.I. = STA. 9+44.35
L = 181.51'	P.T. = STA. 10+23.93
T = 101.93'	



RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY COMMUNITY SCIENCES CORP., HUGG SURVEYING CO. AND EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.

REGISTERED PROFESSIONAL ENGINEER 6411

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 2 0 4 1 0 8 6

AS BUILT INFORMATION

CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

ACS BRASS CAP "NM448-N9A"
ELEV. 5004.145, LOCATED AT THE INTERSECTION OF COORS RD. AND PARADISE BLVD. N.W.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	LEVERTON-EASTERLING INC.	9-10-84

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER — 6411

NO.	DATE	REMARKS	BY

REVISIONS

DESIGNED BY E.G. — DATE
DRAWN BY M.A. — DATE 1-85
CHECKED BY E.G. — DATE 2-6-85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: EAGLE RANCH ROAD STORMDRAIN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		9/10/85	Liquid Waste	N.A.	6/12/85
A.C.E.-Design		9/10/85	Traffic	N.A.	6/12/85
A.C.E.-Hydrology		6/12/85	Water	N.A.	6/12/85

DRAWING NO. 2204 | MAP NO. B-13 | SHEET 10 OF 19

AF 22440A

SCALE: 1" = 50'

TRACT "H"

EAGLE RANCH

TRACT "G"

TRACT 7

TRACT 6

ARROYO DE LAS CALABACILLAS

IRVING BLVD. N.W.

BRYAN ST. N.W.

A.M.A.F.C.A. EASEMENT LINE

NOTE: THE CONTRACTOR SHALL MAINTAIN THE EXISTING 21" SAS IN OPERATION DURING THE CONSTRUCTION PERIOD AND SHALL RESTORE ANY PORTION OF IT THAT HE DAMAGES WITH HIS OPERATIONS, IN A MANNER SATISFACTORY TO THE NEW MEXICO UTILITIES CORP.

STA. 7+63, LINE "A"
42" CMP TO 42" RCP CONNECTION
SEE DET. SHT. 17 (SIMILAR)

STA. 7+67, LINE "A"
M.H. # 1-A
RIM. 03.5
INV. 82.67

STORM DRAIN OUTLET
SEE DETAILS SHT. 12

FILL IN EXIST. ARROYO WITH EXCESS EXCAVATED MATERIAL AND GRADE OUT TO MATCH ADJACENT GROUND.

REMOVE EXISTING M.H., RCP PIPE, AND TRENCH GRATE STRUCTURE. REMOVE & REPLACE EXIST. C & G AND ASPHALT PAVING AS REQUIRED.

50' U/G DRAINAGE EASEMENT

STA. 0+00, LINE "B"
=STA. 10+06, LINE "A"
42"x30" WYE, 45°
INV. 85.06

STA. 0+11, LINE "B"
30" R.C.P. BEND, 45°
INV. 85.78

42" RCP, LINE "A"
S 56° 15' 28" W

30" RCP, LINE "B"
(DEFLECTED STRAIGHT PIPE)

ASPHALT CURB

STA. 9+34, LINE "A"
42"x18" WYE, 45°
TWIST TO 70% SLOPE

18" RCP
36' @
70%

STA. 9+60±, 15' RT., LINE "A"
CATCH BASIN, TYPE "A" W/ DOUBLE GRATE
MATCH EXIST. T/C ELEV.
INV. = T/C - 4.0'

STA. 10+00, LINE "A"
(℄ INTX. W/ IRVING BLVD.)
MH # 2-A
RIM. 08.0
INV. 85.00

STA. 10+54
42"x 36" REDUCER
W/ CMP BELL END
SEE DET. SHT. 17

STA. 10+13, LINE "A"
36"x 42" EXPANDER

℄ STORM DRAIN CURVE DATA

Δ = 22° 10' 11"
R = 1294'
L = 500.69'
T = 253.52'

P.C. = 0+11.31
P.I. = 2+64.83
P.T. = 5+12.00

TEMPORARY DRAINAGE EASEMENT

STA. 10+95, LINE "A"
TEMPORARY POND # 6-2
50' SQ. BOTTOM, ELEV. 02.5
35' x 10' SPILLWAY, ELEV. 07.5
MIN. DIKE ELEV. 10.0
SEE DET. SHT. 17

STA. 10+80
42" CMP INLET STRUCTURE
W/ 26' ± 42" CMP @ 23%
SEE DETAILS SHTS. 12 & 17
WEIR EL. 05.5
INV. EL. 98.0 (MAX.)

REMOVE & REPLACE EXISTING C & G, ASPH. CURBS, AND ART. STREET PAVEMENT AS REQUIRED.

CATCH BASIN, TYPE "A"
T.C. 97.2 ± (MATCH EXIST. C & G)
INV. 93.2 ±

STA. 3+94, LINE "B"
30"x 18" WYE, 45°
INV. 88.08

STA. 3+88, LINE "B"
M.H. # 1-B
RIM. 01.5
INV. 88.04

STA. 4+92, LINE "B"
M.H. # 2-B
RIM. 96.5
INV. 88.67

STA. 5+06, LINE "B"
30" x 18" WYE, 35°
INV. 88.75

STA. 5+12, LINE "B"
30" RCP PLUG
INV. 88.79

CATCH BASIN, TYPE "A"
T.C. 96.4 ± (MATCH EXIST. C & G)
INV. 92.4 ±

24" RCP, 50'± @ 1.3%

P.T. ℄ IRVING BLVD. N.W.
662.95' ON CURVE
S.E. OF STORM DRAIN INTX.

TEMPORARY DRAINAGE EASEMENT

STA. 5+80, 56' RT., LINE "B"
TEMPORARY POND # 6-1
60' x 15' BOTTOM, ELEV. 94.0
20' x 10' SPILLWAY, ELEV. 98.0
MIN. DIKE ELEV. 5100.0
SEE DET. SHT. 17

STA. 4+98, LINE "B"
30" x 24" WYE, 45°
INV. 88.70

30" x 24" REDUCER
W/ CMP BELL END
SEE DET. SHT. 17

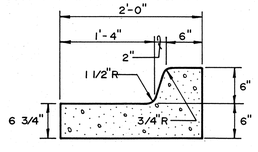
30" CMP INLET STRUCTURE
W/ 30' ± 30" CMP @ 1.3%
SEE DETAILS SHT. 17
WEIR ELEV. 96.5
INV. ELEV. 90.0 (MAX.)

NOTE: ℄ PROFILES FOR STORMDRAIN LINES "A" AND "B" ARE SHOWN ON SHT. 12.

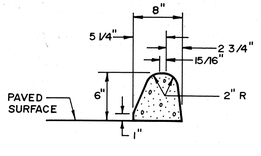
RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY COMMUNITY SCIENCES CORP., HUGG SURVEYING CO. AND EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.

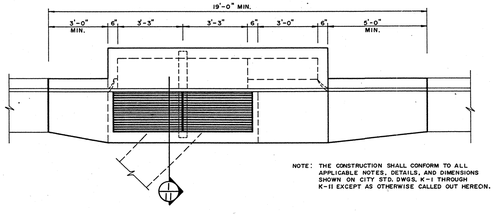
CHARLES E. HUGG JR. NEW MEXICO 6411 REGISTERED PROFESSIONAL ENGINEER 8-6-86



STANDARD CURB
NO SCALE

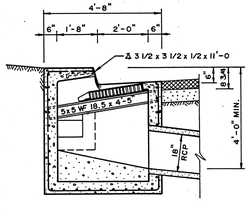


ASPHALT CURB
NO SCALE

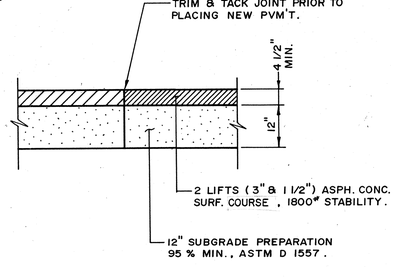


NOTE: THE CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE NOTES, DETAILS, AND DIMENSIONS SHOWN ON CITY STD. DWGS. K-1 THROUGH K-11 EXCEPT AS OTHERWISE CALLED OUT HEREON.

CATCH BASIN, TYPE "A" W/ DOUBLE GRATE
NO SCALE



SECTION



TYPICAL REPLACEMENT PAVING SECTION
IRVING BLVD.

1	2	3	4	5	6	7	8	9	10	11	12
Z	6		Z	Z	0	4	1	1	8	6	

AS BUILT INFORMATION

CONTRACTOR	
WORK STAKED BY	DATE
INSPECTORS	
ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECT	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

ACS BRASS CAP "NM 448-N9A"
ELEV. 5004.145, LOCATED AT THE INTERSECTION OF COORS RD. AND PARADISE BLVD. N.W.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	LEVERTON-EASTERLING INC.	9-10-84

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

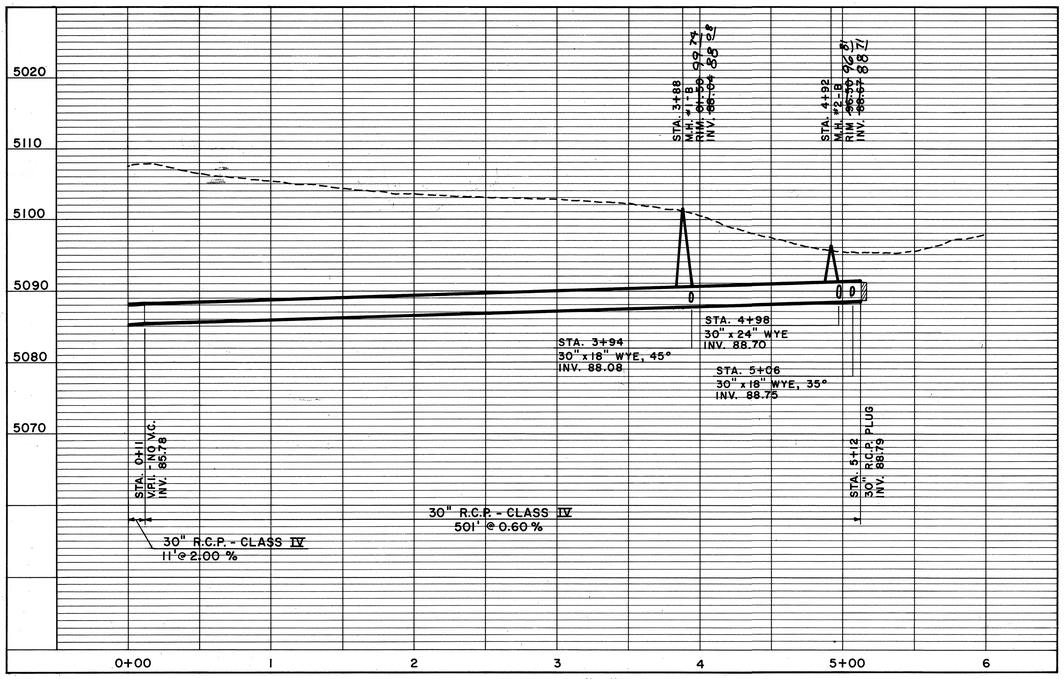
DESIGN		DATE	1-85
DESIGNED BY	J.C.A.		
DRAWN BY	M.S., G.A.W.	DATE	1-85
CHECKED BY	J.C.A.	DATE	6-6-85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

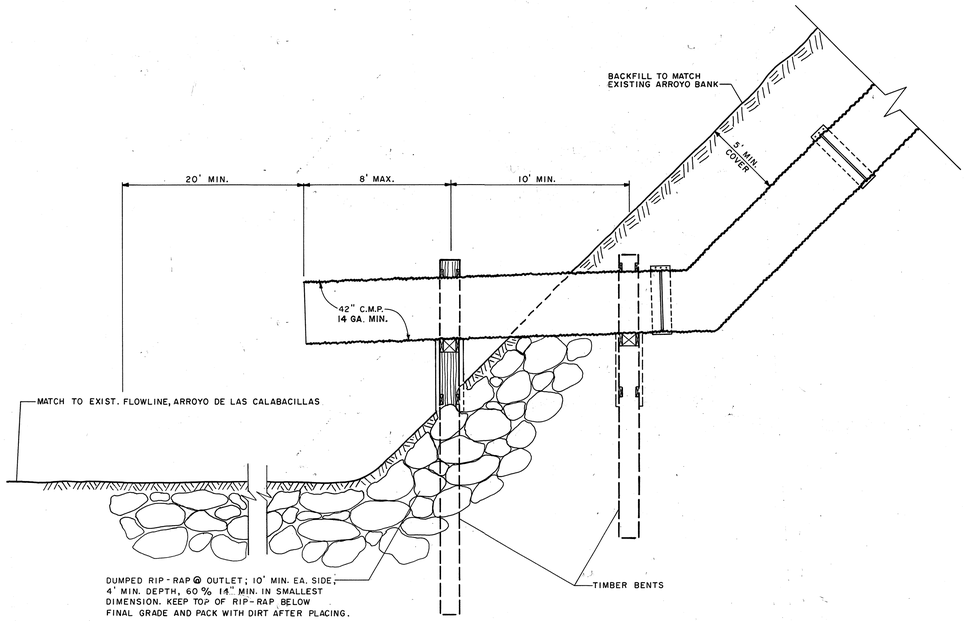
TITLE: **IRVING BLVD. STORMDRAIN PLAN**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		9/10/85	Liquid Waste	N.A.	6/12/85
A.C.E.-Design		9/10/85	Traffic	N.A.	6/12/85
A.C.E.-Hydrology		6/12/85	Water	N.A.	6/12/85

DRAWING NO. 2204 | MAP NO. B-13 | SHEET 11 OF 19



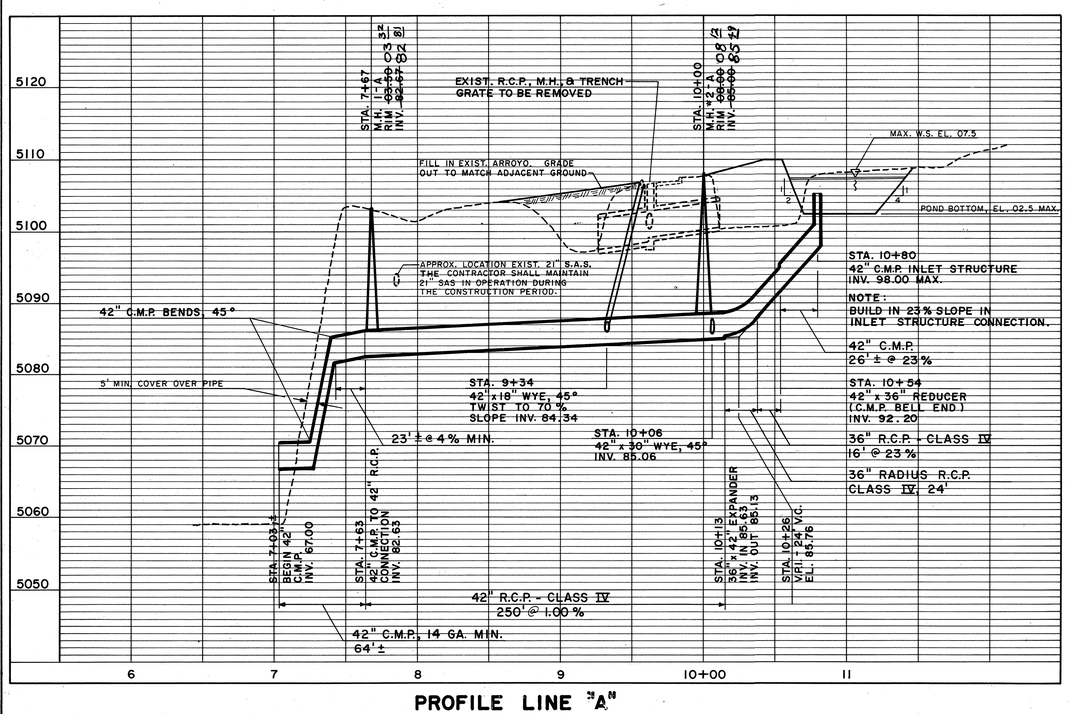
PROFILE LINE "B"



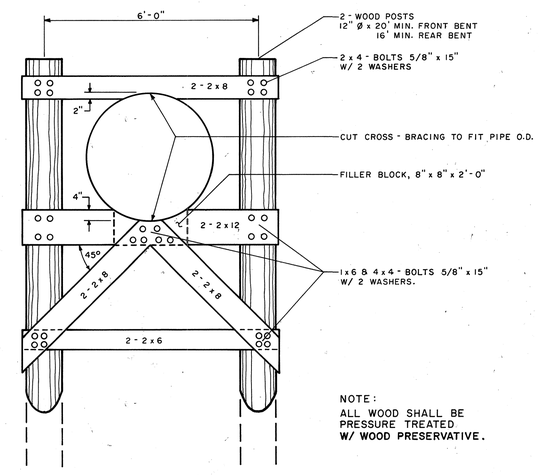
STORMDRAIN OUTLET

FROM IRVING BLVD. TO ARROYO DE LAS CALABACILLAS

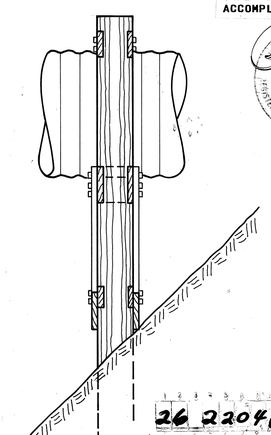
NO SCALE



PROFILE LINE "A"



FRONT VIEW



SIDE VIEW

TIMBER BENT DETAILS

NO SCALE

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY COMMUNITY SCIENCES CORP., HUGG SURVEYING CO. AND EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.

8-6-86

26 22041286

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
INSPECTORS
ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.
DATE

BENCH MARKS

ACS BRASS CAP "NM 448-N9A"
ELEV. 5004.145, LOCATED AT THE INTERSECTION OF COORS RD. AND PARADISE BLVD. N.W.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	LEVERTON-EASTERLING INC.	9-19-84

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY

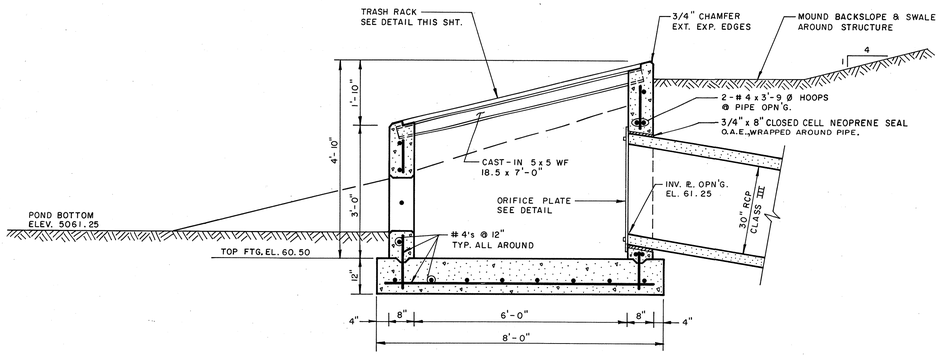
DESIGNED BY — DATE 1-85
DRAWN BY — DATE 1-85
CHECKED BY — DATE 6-6-85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

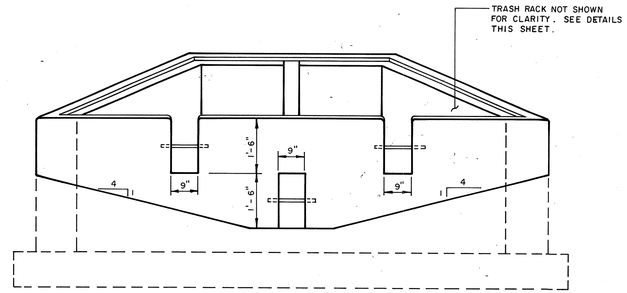
TITLE: IRVING BLVD. STORMDRAIN PROFILES & OUTLET DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		9/12/85	Liquid Waste	N/A	6/12/85
A.C.E.-Design		9/12/85	Traffic	N/A	6/12/85
~~ACE~~-Hydrology		6/12/85	Water	N/A	6/12/85

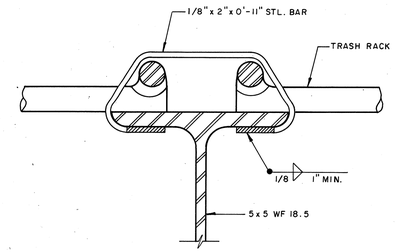
DRAWING NO. 2204 — MAP NO. B-13 — SHEET 12 OF 19



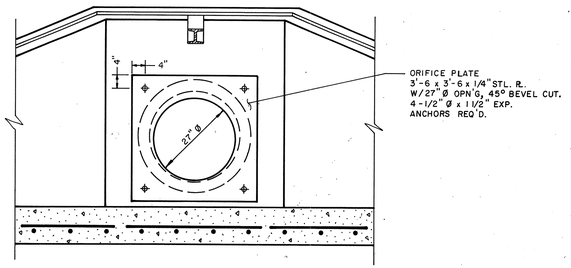
1/13 SECTION



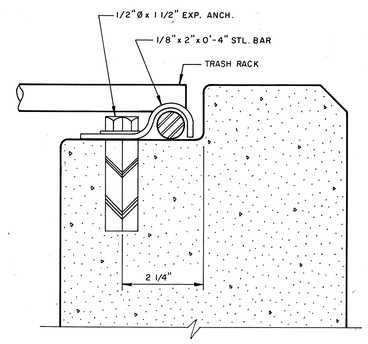
FRONT ELEVATION



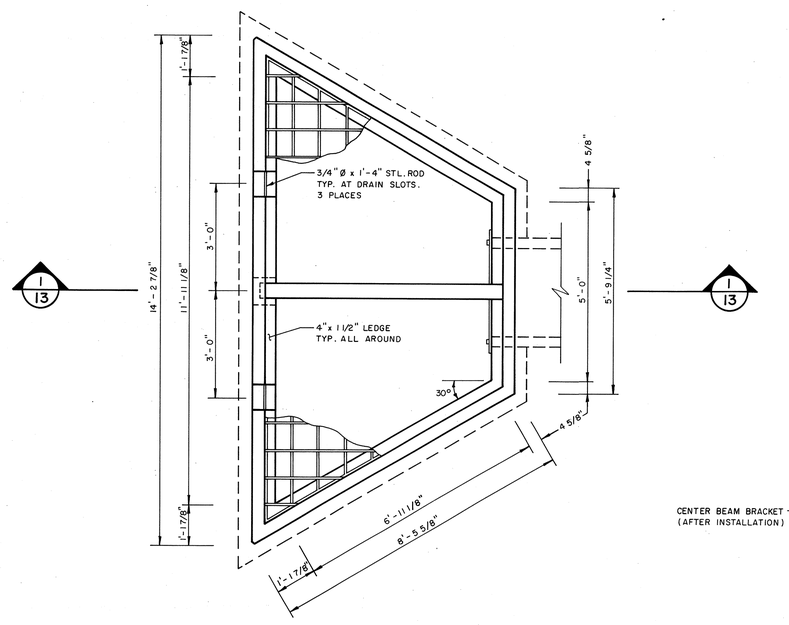
CENTER BEAM BRACKET



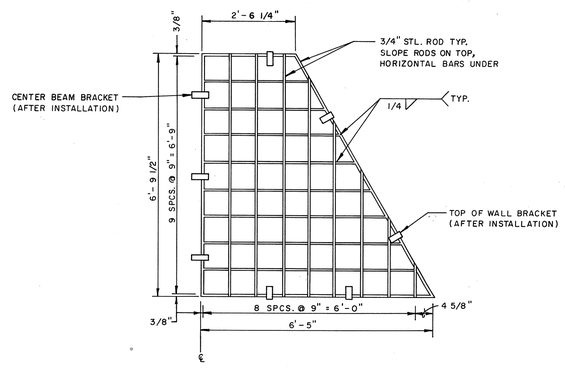
REAR WALL W/ ORIFICE PLATE



TOP OF WALL BRACKET



PLAN



1/2 TRASH RACK

1 THUS
1 OPPOSITE HAND

NOTES: REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH C.R.S.I. RECOMMENDED PRACTICE ; 20 BAR DIAMETERS MIN. LAPS.

ALL EXPOSED STRUCTURAL STEEL SHALL BE SHOP PRIMED AND PAINTED WITH TWO COATS OF ALUMINUM PAINT. (AASHTO M-69).

PORTLAND CEMENT CONCRETE SHALL BE 3,000 PSI @ 28 DAYS W/ AIR ENTRAINMENT, 4" MAX. SLUMP.

EXPOSED CONCRETE SURFACE SHALL HAVE CLASS II SURFACE FINISH.

(APPROXIMATELY 7 C.Y. CONCRETE IS REQUIRED.)

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY COMMUNITY SCIENCES CORP., HUGG SURVEYING CO. AND EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.

6411 REGISTERED PROFESSIONAL ENGINEER 6-6-86

26 + 2 2 0 4 1 3 8 6

AS BUILT INFORMATION

CONTRACTOR	
WORK STAKED BY	DATE
INSPECTED BY	
ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	
DATE	
NO.	

BENCH MARKS

ACS BRASS CAP "NM 448-N9A"
ELEV. 5004.145, LOCATED AT THE
INTERSECTION OF COORS RD. AND
PARADISE BLVD. N.W.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	LEVERTON-EASTERLING INC.	9-19-84

ENGINEER'S SEAL

CHARLES M. EASTERLING NEW MEXICO PROFESSIONAL ENGINEER 8-27-85

NO.	DATE	REMARKS	BY
		REVISIONS	

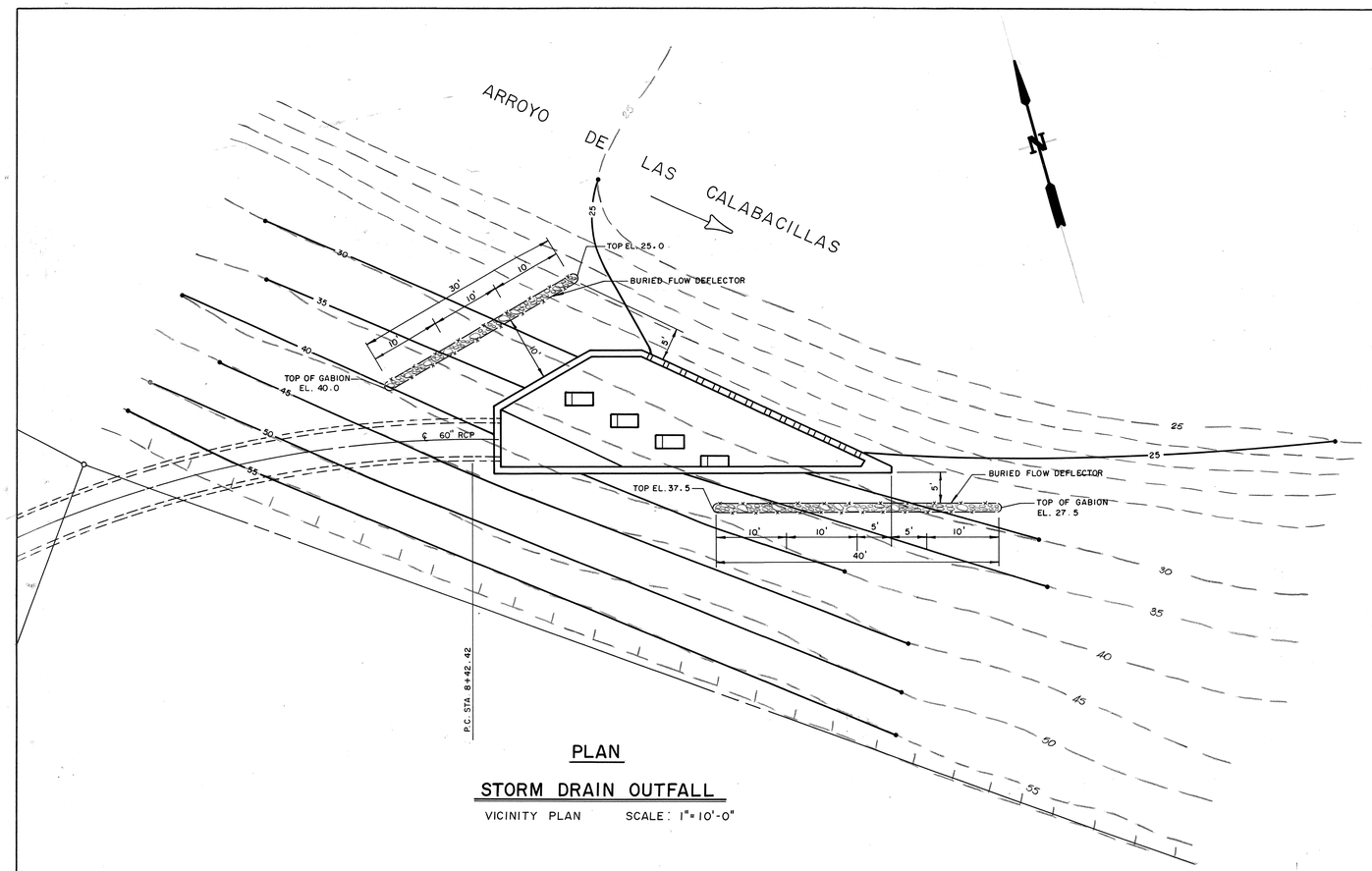
DESIGNED BY [illegible] DATE
DRAWN BY M.S., G.H.W. DATE 1-85
CHECKED BY [illegible] DATE 6-6-85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **INLET STRUCTURE DETAILS PERMANENT DETENTION POND**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	6/6/86	Liquid Waste	R. Piña N.A.	6/12/85
A.C.E.-Design	[illegible]	9/13/85	Traffic	N. Dash	6/12/85
~~DCE~~-Hydrology	S. J. Scott	6/12/85	Water	R. Piña N.A.	6/12/85

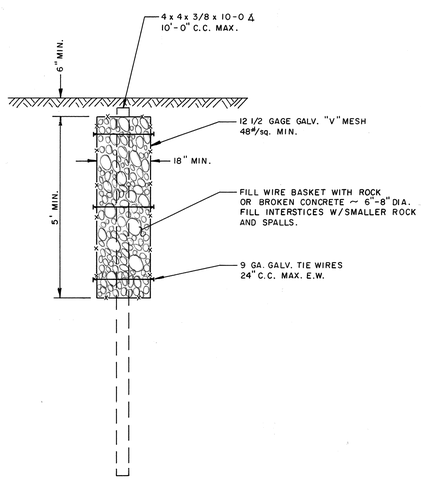
DRAWING NO. 2204 | MAP NO. C-13 | SHEET 13 OF 19



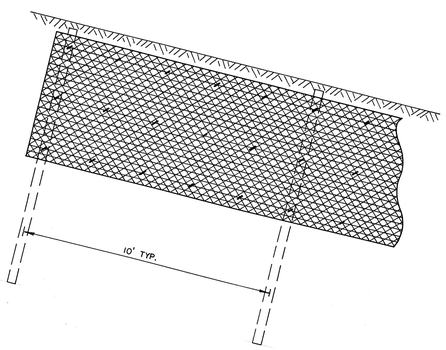
PLAN

STORM DRAIN OUTFALL

VICINITY PLAN SCALE: 1" = 10'-0"



SECTION



PART ELEVATION

BURIED ROCK GABION FLOW DEFLECTOR

NO SCALE

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY COMMUNITY SCIENCES CORP., HUGG SURVEYING CO. AND EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.

6411 MINISTERIAL PROFESSIONAL ENGINEER 8-6-85

26 2204 1486

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
INSPECTORS ACCEPTANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.
DATE

BENCH MARKS

ACS. BRASS CAP "NM 448 - N9A"
ELEV. 5004.145, LOCATED AT THE INTERSECTION OF COORS RD. AND PARADISE BLVD. N.W.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	LEVERTON & EASTERLING INC.	9-10-84

ENGINEER'S SEAL

CONSULTING ENGINEER & LAND SURVEYOR WILLIAM E. MEZIERE 6411 REGISTERED PROFESSIONAL ENGINEER 8-27-85

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

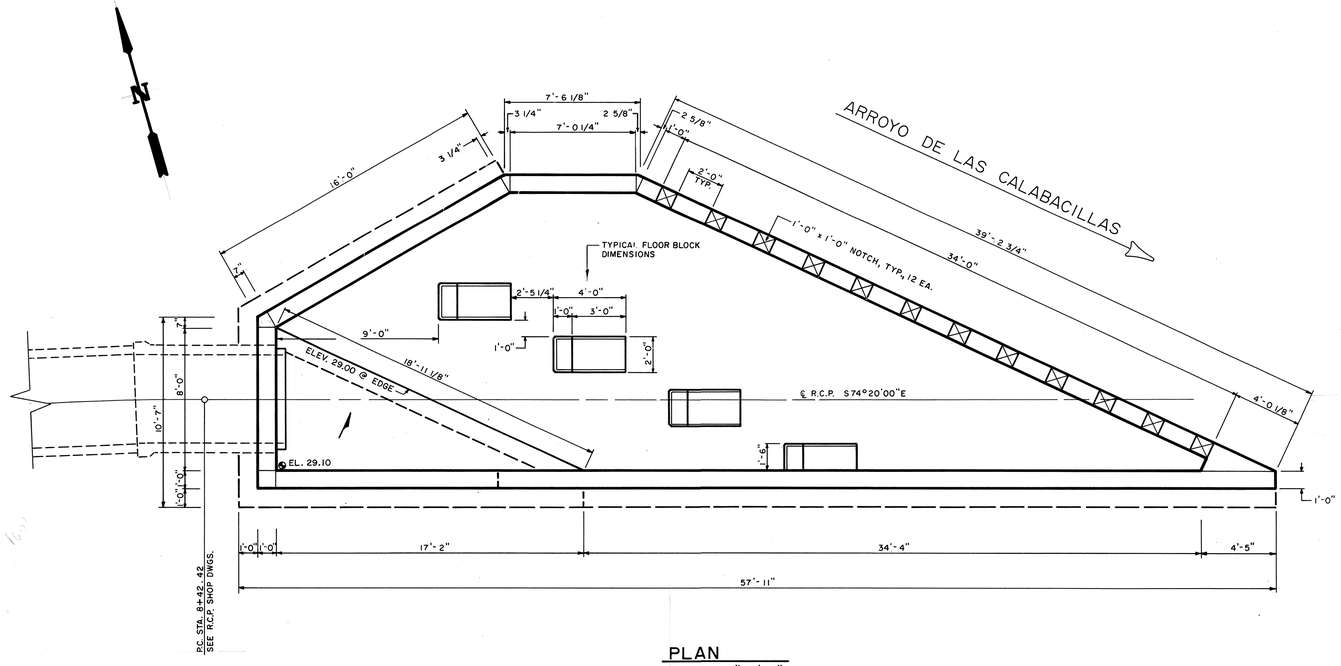
		DATE
DESIGNED BY	J.L.A.	
DRAWN BY	M.S. G.A.N.	DATE 1-85
CHECKED BY	J.L.A.	DATE 6-6-85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

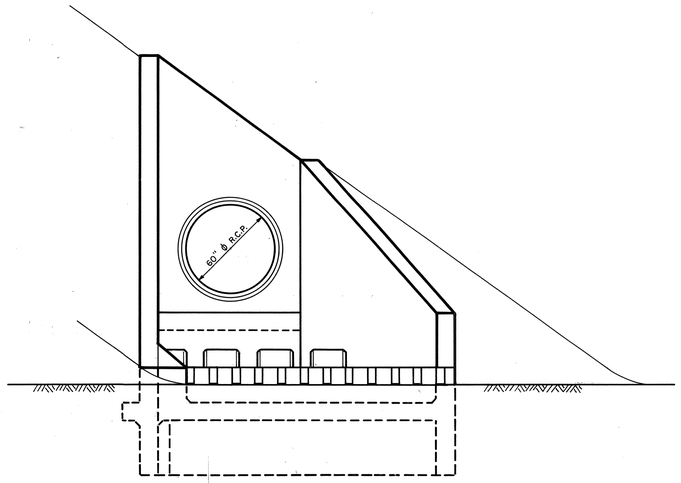
TITLE: EAGLE RANCH ROAD STORMDRAIN OUTFALL STRUCTURE DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	9/10/85	Liquid Waste	[illegible] N.A.	6/12/85
A.C.E.- Design	[illegible]	9/10/85	Traffic	N.A.	6/12/85
~~A.C.E.~~ -Hydrology	[illegible]	6/12/85	Water	[illegible] N.A.	6/12/85

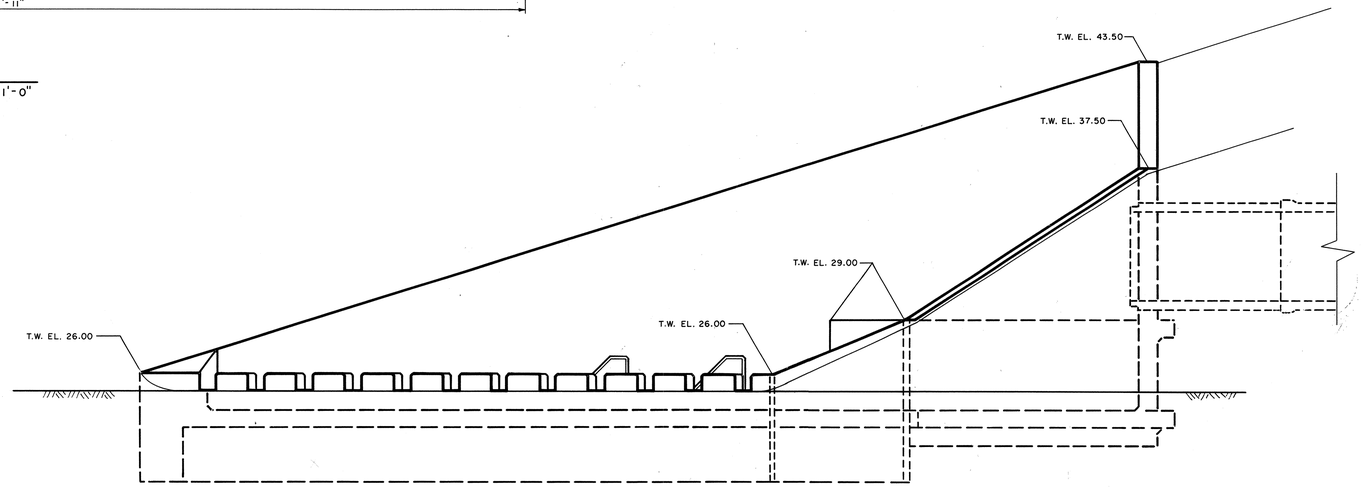
DRAWING NO.	MAP NO.	SHEET	OF
2204	B-13	14	19



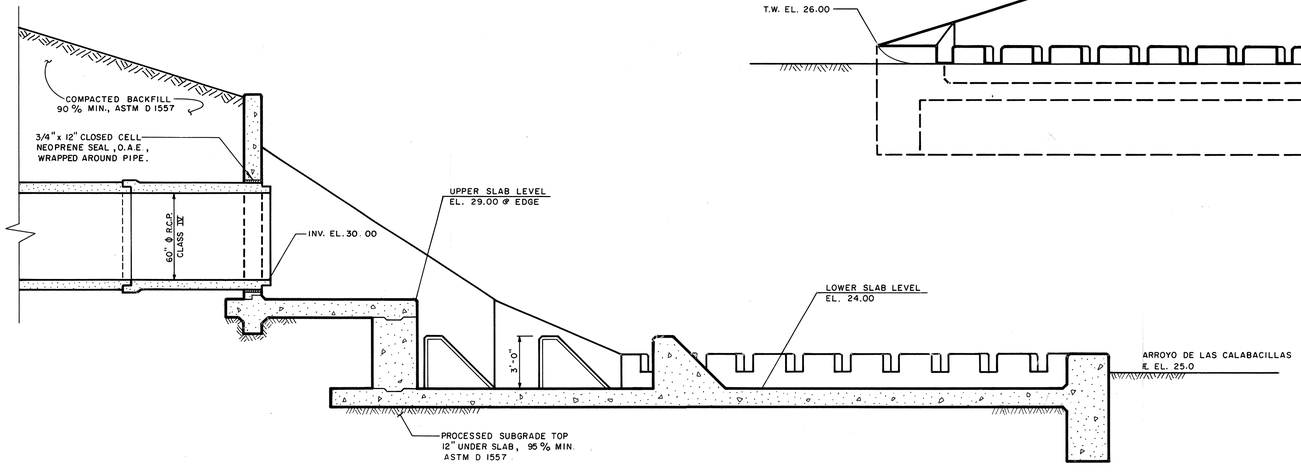
PLAN
SCALE: 1/4" = 1'-0"



EAST ELEVATION
SCALE: 1/4" = 1'-0"



NORTH ELEVATION
SCALE: 1/4" = 1'-0"



SECTION @ PIPE ℄
SCALE: 1/4" = 1'-0"

NOTES: PORTLAND CEMENT CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 339 - PORTLAND CEMENT FLYASH CONCRETE CHANNEL LINING - EXCEPT THAT 3/4" MAXIMUM SIZE AGGREGATE SHALL BE USED. THE CONCRETE SHALL BE MIXED WITH A MAXIMUM SLUMP OF 3 INCHES. HRWRA ("SUPER PLASTICIZER") MAY BE ADDED AT THE JOB SITE TO ACHIEVE THE CONSISTENCY THE CONTRACTOR DESIRES TO PLACE THE WORK AT HAND.

EXPOSED CONCRETE SURFACES SHALL BE GIVEN A CLASS II SURFACE FINISH.

APPROXIMATELY 75 C.Y. CONCRETE IS REQUIRED.

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY COMMUNITY SCIENCES CORP., HUGG SURVEYING CO. AND EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.

CHARLES M. EASTERLING NEW MEXICO 6411 REGISTERED PROFESSIONAL ENGINEER 6-6-86

1	2	3	4	5	6	7	8	9	10	11	12
26	2	2	0	4	1	5	8	6			

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTORS AUTHORITY TO CHANGE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

ACS. BRASS CAP "NM 448 - N9A"
ELEV. 5004.145, LOCATED AT THE INTERSECTION OF COORS RD. AND PARADISE BLVD. N.W.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	LEVERSON & EASTERLING INC.	9-10-84

ENGINEER'S SEAL

CHARLES M. EASTERLING NEW MEXICO 6411 REGISTERED PROFESSIONAL ENGINEER
8-27-85

NO.	DATE	REMARKS	BY
		REVISIONS	

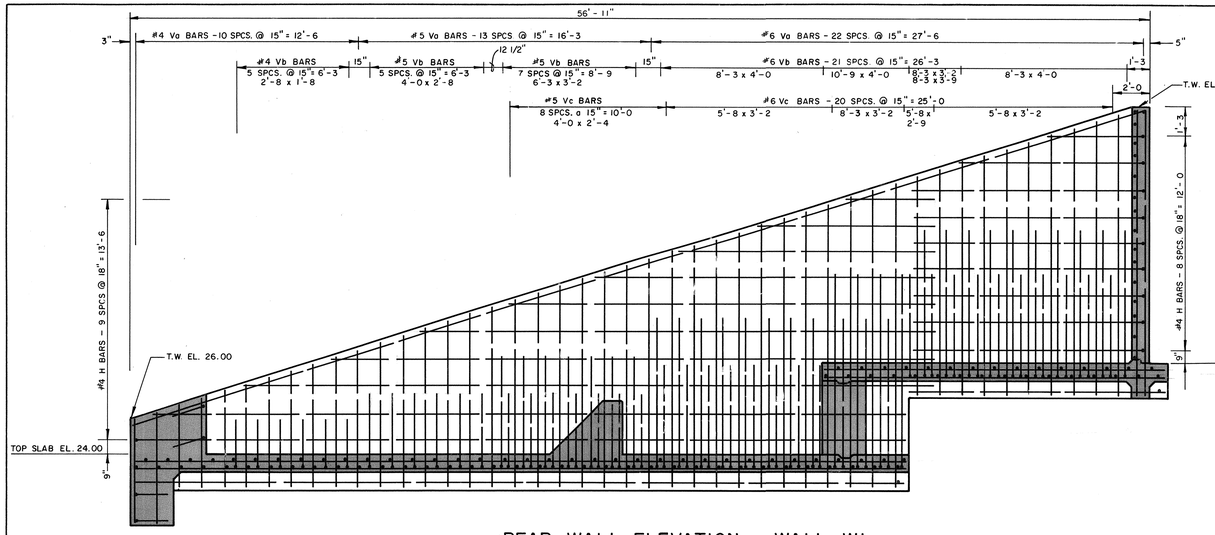
DESIGNED BY — DATE
DRAWN BY — DATE 1-85
CHECKED BY — DATE 6-6-85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **EAGLE RANCH ROAD STORMDRAIN OUTLET STRUCTURE DETAILS**

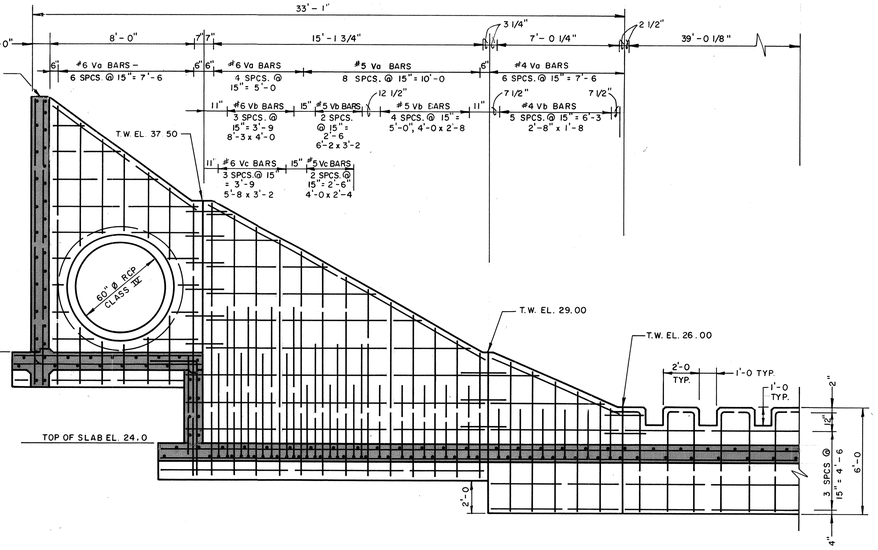
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		9/19/85	Liquid Waste	N/A	6/12/85
A.C.E.- Design		9/19/85	Traffic	N/A	6/12/85
~~A.C.E.~~ - Hydrology		6/12/85	Water	N/A	6/12/85

DRAWING NO. 2204 — MAP NO. B-13 — SHEET 15 OF 19



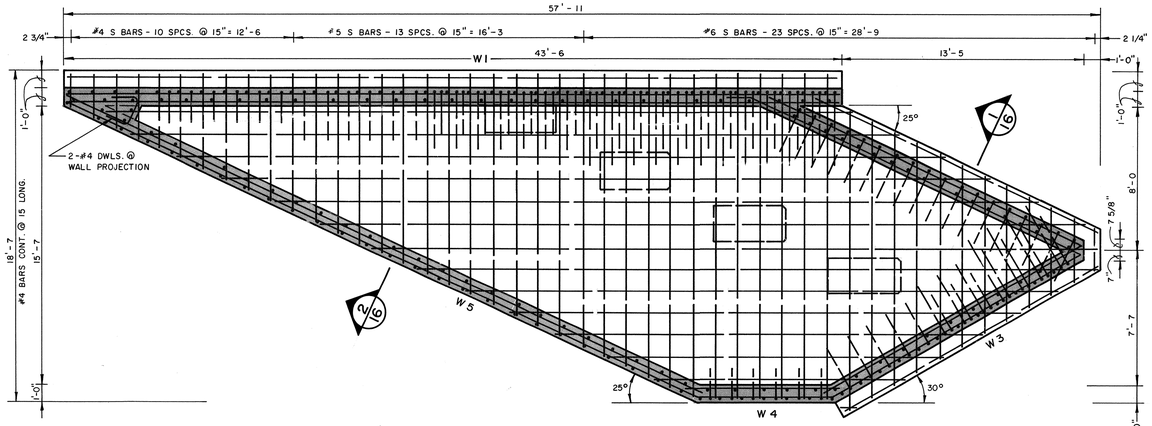
REAR WALL ELEVATION - WALL W1

SCALE: 1/4" = 1'-0"



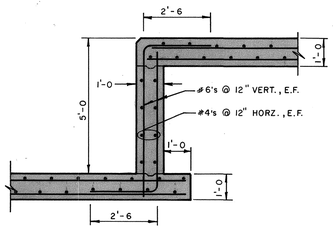
DEVELOPED REAR WALL ELEVATION - WALLS W2, W3, W4, & PARTIAL W5

SCALE: 1/4" = 1'-0"



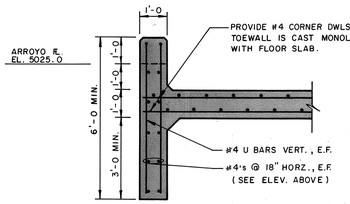
BOTTOM MAT REINFORCING PLAN - LOWER SLAB LEVEL

SCALE: 1/4" = 1'-0"



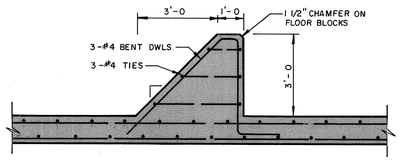
1/16 SECTION @ DROPWALL

SCALE: 3/8" = 1'-0"

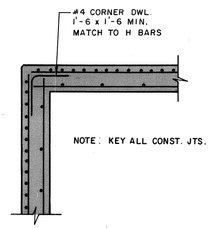


2/16 SECTION @ TOEWALL

SCALE: 3/8" = 1'-0"

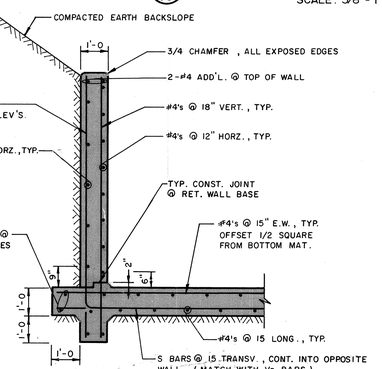


3/16 SECTION



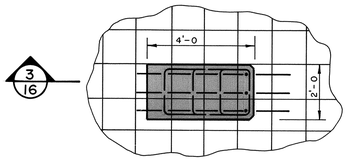
TYPICAL CORNER DETAIL

NO SCALE



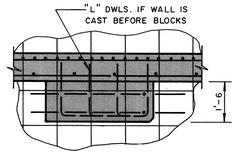
TYPICAL RETAINING WALL & SLAB FOOTING DETAIL

NO SCALE



FREE STANDING

3 THUS

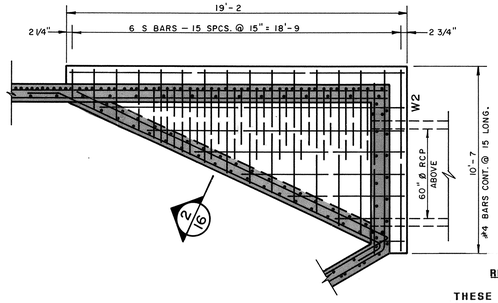


@ WALL W1

1 THUS

FLOOR BLOCK PLANS

SCALE: 3/8" = 1'-0"



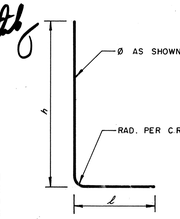
BOTTOM MAT REINFORCING PLAN

UPPER SLAB LEVEL

SCALE: 1/4" = 1'-0"

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY COMMUNITY SCIENCES CORP., HUGG SURVEYING CO. AND EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.



Vb or Vc BAR

h x ℓ

NOTES: REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF ASTM A615, GRADE 40.

REINFORCING DETAILS NOT SHOWN SHALL CONFORM TO C.R.S.I. RECOMMENDED PRACTICE.

#6 BARS AND SMALLER SHALL BE DETAILED FOR 30 BAR DIAMETERS MINIMUM LAPS.

1 2 3 4 5 6 7 8 9 10 11 12
26 22041686

AS BUILT INFORMATION

CONTRACTOR — DATE
WORK STAKED BY — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

ACS BRASS CAP "NM 448-N9A"
ELEV. 5004.145, LOCATED AT THE INTERSECTION OF COORS RD. AND PARADISE BLVD. N.W.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	LEWART / EASTERLING, INC.	9-10-84

ENGINEER'S SEAL

NEW MEXICO EASTERLING 6411 REGISTERED PROFESSIONAL ENGINEER

8-2-85

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY — DATE 1-85
DRAWN BY — DATE 1-85
CHECKED BY — DATE 6-6-85

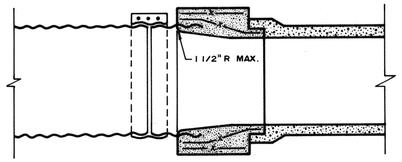
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: EAGLE RANCH ROAD STORMDRAIN OUTLET STRUCTURE DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		9/16/85	Liquid Waste	N.A.	6/12/85
A.C.E.-Design		7/16/85	Traffic	N.A.	6/12/85
~~A.C.E.~~-Hydrology		6/12/85	Water	N.A.	6/12/85

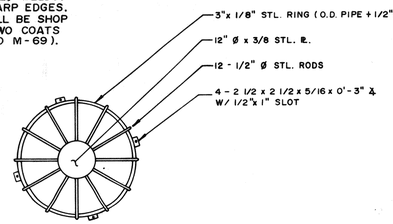
DRAWING NO. 2204 — MAP NO. B-13 — SHEET 16 OF 19

NOTE: TRASH RACK COMPONENTS SHALL BE JOINED WITH CONTINUOUS FILLET WELDS. GRIND OFF ALL BURRS AND SHARP EDGES. THE FINISHED ASSEMBLY SHALL BE SHOP PRIMED AND PAINTED WITH TWO COATS OF ALUMINUM PAINT (AASHTO M-69).

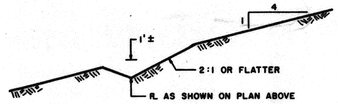


CMP TO RCP REDUCER CONNECTION

(TO BE DETAILED BY MFGR.) NO SCALE



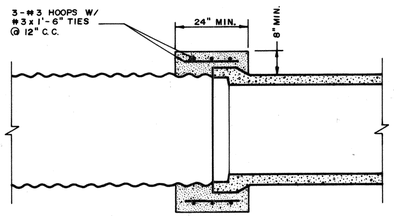
TRASH RACK - PLAN



TYP. CONTOUR DITCH

NO SCALE

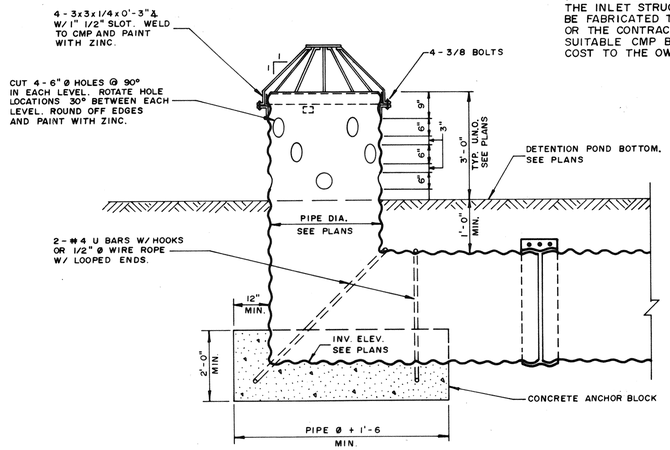
NOTE: CUT CONTOUR DITCHES AFTER POND SLOPES HAVE BEEN ROUGH GRADED.



OPTIONAL CMP TO RCP REDUCER CONNECTION

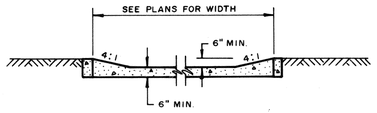
NO SCALE

NOTE: SOME INLET STRUCTURE OUTLET PIPES HAVE MORE SLOPE THAN CAN BE TAKEN UP IN THE BAND CONNECTION. (SEE PLANS) THE INLET STRUCTURE ELBOW SHALL THEN BE FABRICATED TO FIT THE SLOPE ANGLE, OR THE CONTRACTOR MAY FURNISH A SUITABLE CMP BEND AT NO ADDITIONAL COST TO THE OWNER.



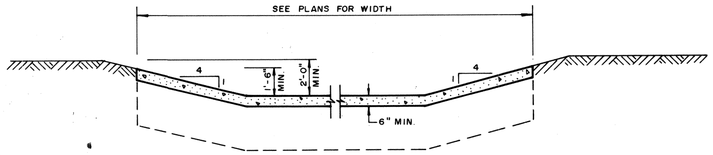
CMP INLET STRUCTURE

(TYPICAL UNLESS OTHERWISE NOTED) NO SCALE



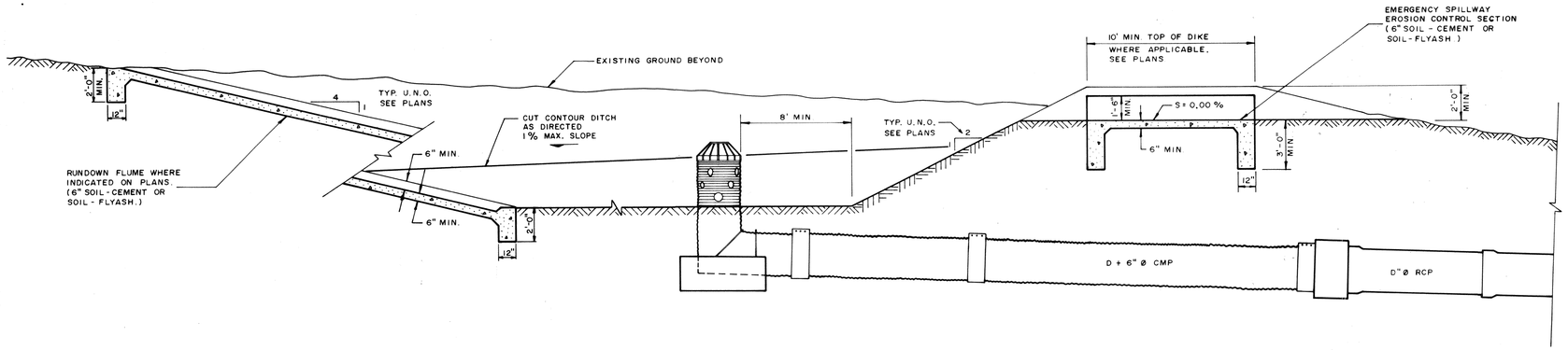
TYPICAL RUNDOWN FLUME SECTION

NO SCALE



TYPICAL EMERGENCY SPILLWAY SECTION

NO SCALE



TYPICAL SECTION THROUGH DESILTING POND

NO SCALE

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY COMMUNITY SCIENCES CORP., HUGG SURVEYING CO. AND EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.

6411 REGISTERED PROFESSIONAL ENGINEER

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 2 0 4 1 7 8 6

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY: DATE
FINAL INSPECTION BY: DATE
ACCEPTANCE BY: DATE
FIELD VERIFICATION BY: DATE
DRAWINGS CORRECTED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS
ACS BRASS CAP "NM 448-N9A"
ELEV. 5004.145, LOCATED AT THE INTERSECTION OF COORS RD. AND PARADISE BLVD. N.W.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
	LEVERTON & EASTERLING INC.	9-10-84

ENGINEER'S SEAL

CONSULTING ENGINEERS EASTERLING & ASSOCIATES, INC. REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

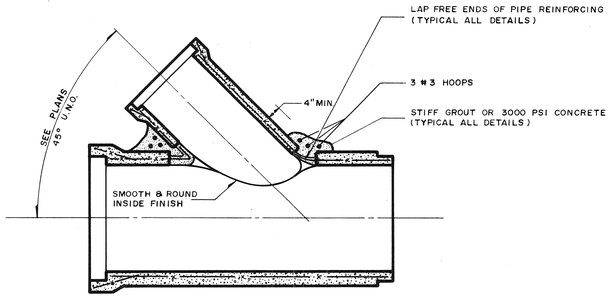
DESIGN
DESIGNED BY P.C.A. DATE
DRAWN BY M.S. DATE 1-85
CHECKED BY P.C.A. DATE 6-6-85

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: **TYPICAL DETAILS DESILTING POND STRUCTURES**

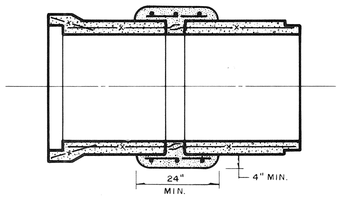
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[signature]	9/19/85	Liquid Waste	[signature] NM	8/28/85
A.C.E.-Design	[signature]	9/19/85	Traffic	NA DWH	8/28/85
~~A.C.E.~~-Hydrology	[signature]	6/12/85	Water	[signature] NM	8/28/85

DRAWING NO. 2204 | MAP NO. | SHEET 17 OF 19



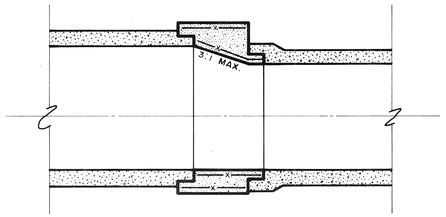
WYE CONNECTION

NO SCALE



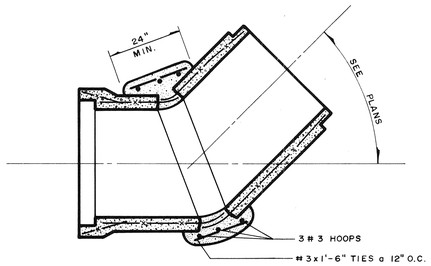
MAKE-UP JOINT

NO SCALE



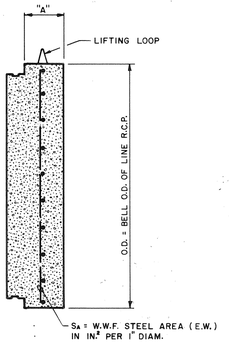
R.C.P. REDUCER

(TO BE DETAILED BY PIPE MFGR.)
NO SCALE



SHORT RADIUS BEND

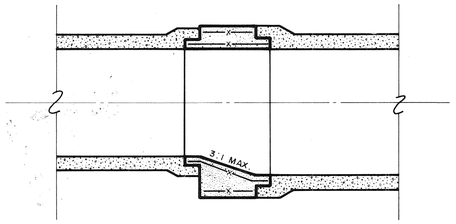
NO SCALE



R.C.P. I.D	"A"	SA
24" & SMALLER	3"	0.02
30" - 42"	6"	0.04
48" - 72"	8"	0.06
78" - 96"	10"	0.08

R.C.P. END PLUG

NO SCALE



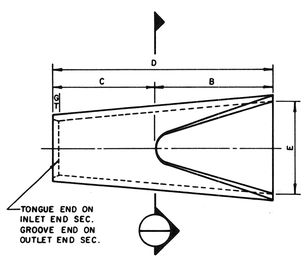
R.C.P. EXPANDER

(TO BE DETAILED BY PIPE MFGR.)
NO SCALE

GENERAL NOTES:

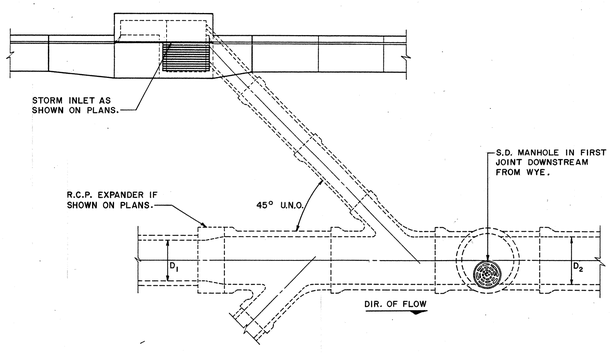
SHOP DRAWINGS SHALL BE FURNISHED WITH DETAILS FOR A COMPLETE SYSTEM, INCLUDING LAYOUT DIMENSIONS AND STATIONING. STATIONING, CURVE DATA, ETC. SHOWN ON THE PLANS MAY BE ADJUSTED AS REQUIRED TO FIT THE MFGR'S STANDARD SECTIONS PROVIDED THE INTENT OF THE DESIGN FEATURES ARE PRESERVED.

R.C.P. FITTINGS AND BENDS SHALL GENERALLY BE SHOP FABRICATED BY THE PIPE MANUFACTURER. FIELD FABRICATION AS SHOWN ON THE DETAILS ON THIS SHEET SHALL ONLY BE PERMITTED TO MEET UNFORESEEN CONDITIONS, AND SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL FOR EACH INSTANCE. ADDITIONAL CONCRETE BLOCKING, ECT. MAY BE REQUIRED DEPENDING ON THE CIRCUMSTANCES.



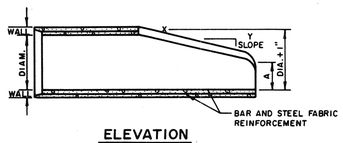
PLAN

DIAM.	WALL	G OR T	WEIGHT	SLOPE	A	B	C	D	E	DRAW. #
12	2	1-1/2	530	3:1	4"	2-0	4-0 7/8	6-0 7/8	2-0	13
15	2-1/4	2	740	3:1	6"	2-3	3-10	6-1	2-6	16
18	2-1/2	2-1/2	990	3:1	9"	2-3	3-10	6-1	3-0	19
21	2-3/4	2-1/4	1280	3:1	9"	2-11	3-2	6-1	3-6	22
24	3	2-1/2	1520	3:1	9-1/2"	3-7 1/2	2-6	6-11 1/2	4-0	25
27	3-1/4	2-1/2	1930	3:1	10-1/2	4-0	2-11 1/2	6-11 1/2	4-6	28
30	3-1/2	3	2190	3:1	1'-0"	4-6	1-7 3/4	6-1 3/4	5-0	31
33	3-3/8	3-3/8	3150	3:1	1'-1 1/2	4-10 1/2	3-3 1/4	8-1 3/4	5-6	34
36	4	3-1/2	4100	3:1	1'-3"	5-3	2-10 3/4	8 1 3/4	6-0	37
42	4-1/2	3-3/4	5380	3:1	1'-9"	5-3	2-11	8-2	6-6	43
48	5	4 1/4	6550	3:1	2'-0"	6-0	2-2	8-2	7-0	49
54	5-1/2	4-3/4	8040	2¼:1	2'-3"	5-5	2-11	8-4	7-6	55
60	6	5	8750	2:1	2'-6"	5-0	3-3	8-3	8-0	61
66	6-1/2	5-1/2	10630	2:1	2'-8"	6-6	1-9	8-3	8-6	67
72	7	6	12520	2:1	2'-10"	6-6	1-9	8-3	9-0	73
78	7-1/2	6-1/2	14430	2:1	3'-1"	6-6	1-9	8-3	9-6	79
84	8	7	16330	2:1	3'-5"	6-6	1-9	8-3	10-0	85



TYPICAL STREET INLET CONNECTION

NO SCALE



ELEVATION

SECTION

FLARED END SECTIONS FOR REINFORCED CONCRETE CULVERT PIPE

RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY COMMUNITY SCIENCES CORP., HUGG SURVEYING CO., AND EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.

6411 REGISTERED PROFESSIONAL ENGINEER

2 6 2 2 0 4 1 8 8 6

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO

BENCH MARKS

ACS BRASS CAP "NM 448-N9A"
ELEV. 5004.145, LOCATED AT THE INTERSECTION OF COORS RD. AND PARADISE BLVD. N.W.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	LEVERTON-EASTERLING INC.	9-10-84

ENGINEER'S SEAL

CHARLES M. LEVERTON NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 8-27-85

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY — DATE 1-85
DRAWN BY — DATE 1-85
CHECKED BY — DATE 6-6-85

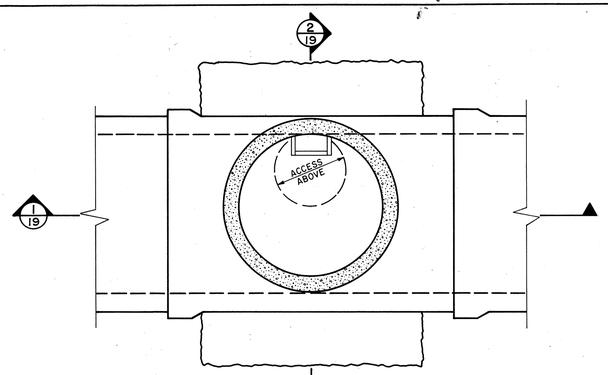
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:

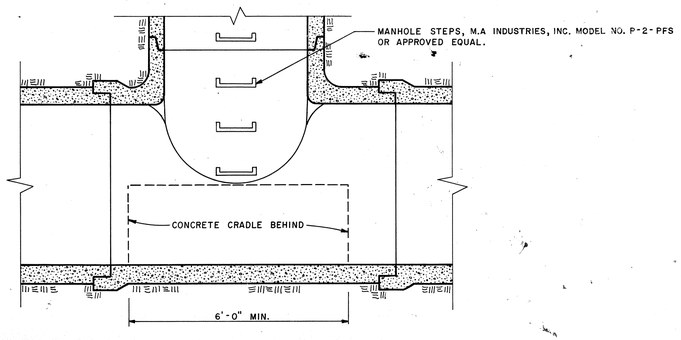
TYPICAL R.C.P. DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		9/9/85	Liquid Waste	NA	6/12/85
A.C.E.-Design		9/9/85	Traffic	NA	6/12/85
~~A.C.E.~~-Hydrology		6/12/85	Water	NA	6/12/85

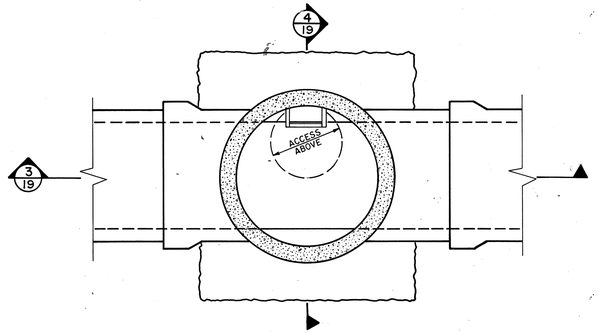
DRAWING NO. 2204 — MAP NO. — SHEET 18 OF 19



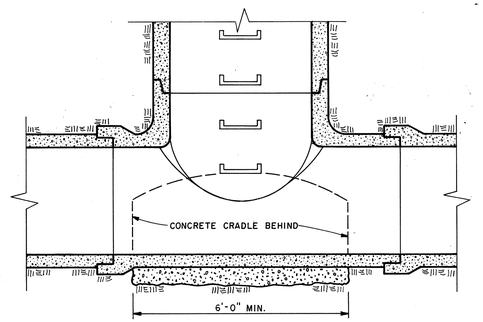
PLAN
NO SCALE



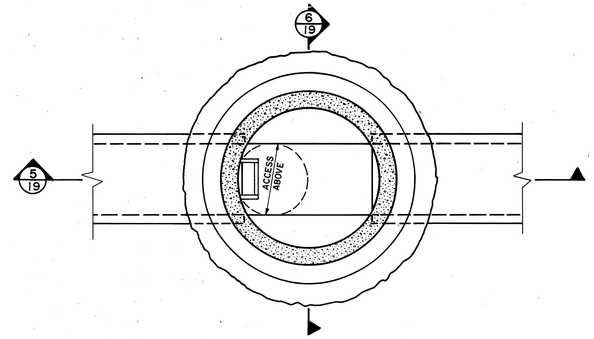
1/19 SECTION
NO SCALE



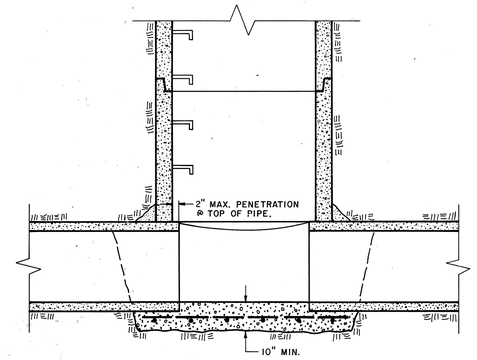
PLAN
NO SCALE



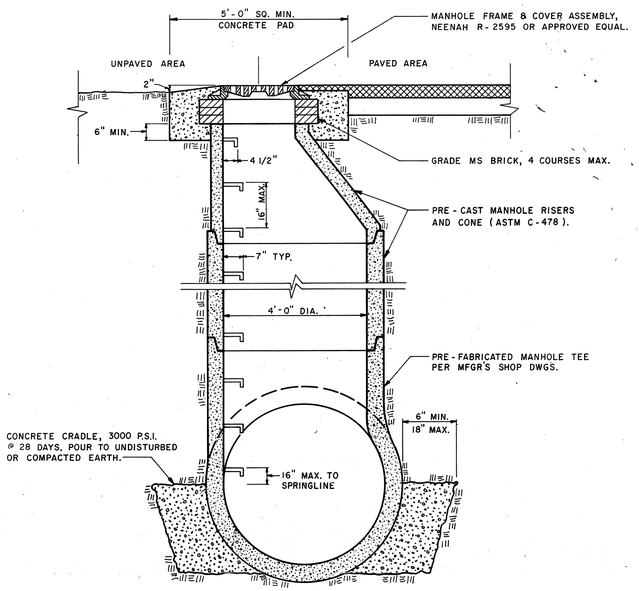
3/19 SECTION
NO SCALE



PLAN
NO SCALE



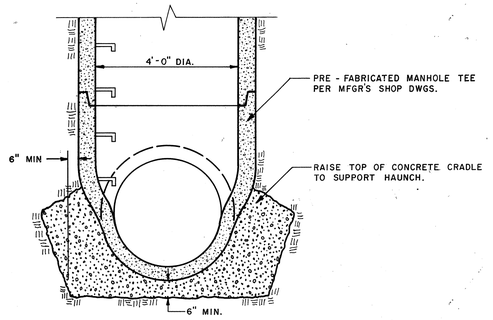
5/19 SECTION
NO SCALE



2/19 SECTION
NO SCALE

ACCESS MANHOLE

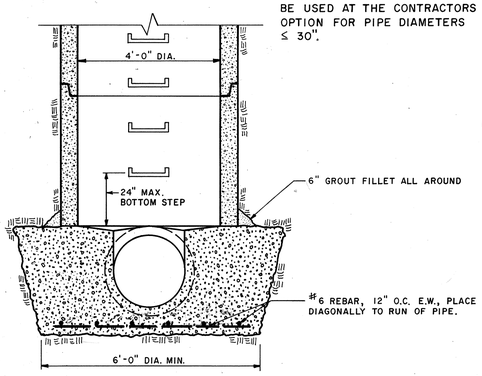
PIPE DIA. ≥ 48"



4/19 SECTION
NO SCALE

ACCESS MANHOLE

PIPE DIA. = 36" OR 42"



6/19 SECTION
NO SCALE

ACCESS MANHOLE

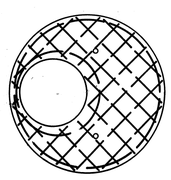
PIPE DIA. ≤ 30"

NOTE:
CITY OF ALBUQUERQUE STANDARD MANHOLE BASE CONSTRUCTION MAY BE USED AT THE CONTRACTORS OPTION FOR PIPE DIAMETERS ≤ 30".

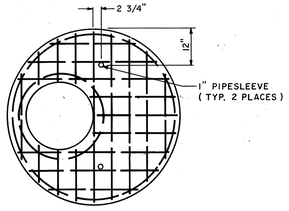
RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY COMMUNITY SCIENCES CORP., HUGG SURVEYING CO. AND EASTERLING & ASSOCIATES, INC. TO REFLECT THE CONSTRUCTION AS ACCOMPLISHED.

6411 8-6-86 REGISTERED PROFESSIONAL ENGINEER

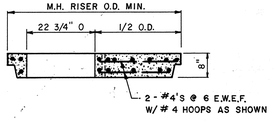


BOTTOM MAT



TOP MAT

CONCRETE COVER FOR SHALLOW MANHOLE
NO SCALE



SECTION

NOTE:
CITY OF ALBUQUERQUE STANDARD TYPE C COVER MAY BE USED IF TOP OF MANHOLE RISER IS CUT SQUARE.

AS BUILT INFORMATION	
CONTRACTOR	
WORK STAKED BY	DATE
INSPECTOR'S OKS	
ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO	

BENCH MARKS
ACS. BRASS CAP "NM 448-N9A"
ELEV. 5004.145, LOCATED AT THE
INTERSECTION OF COORS RD. AND
PARADISE BLVD. N.W.

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE
	LEVERTON-EASTERLING, INC.	9-10-84

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

DESIGNED BY JCa DATE 1-85
DRAWN BY M.S., D.H. DATE 1-85
CHECKED BY JCa DATE 6-6-85

1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 2 0 4 1 9 8 6

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE:
STORMDRAIN MANHOLE DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	6/12/85	Liquid Waste	[illegible]	6/12/85
A.C.E.-Design	[illegible]	6/12/85	Traffic	[illegible]	6/12/85
A.C.E.-Hydrology	[illegible]	6/12/85	Water	[illegible]	6/12/85

DRAWING NO. 2204 | MAP NO. | SHEET 19 OF 19