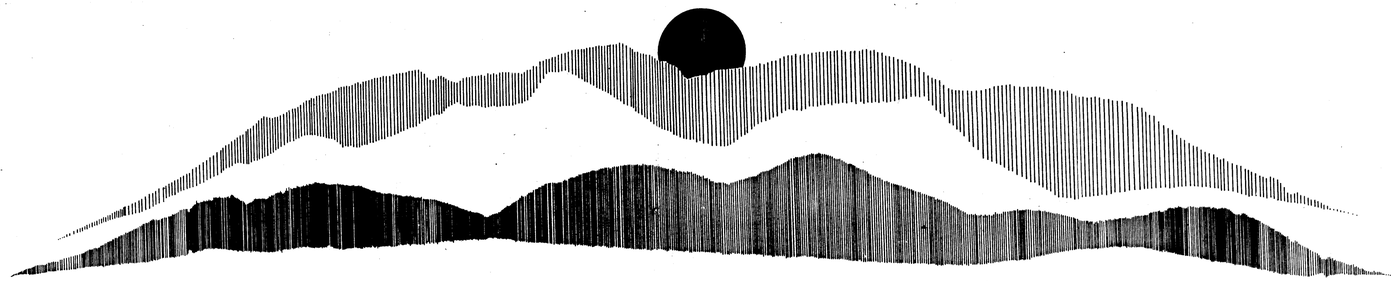
UNITS ONE & TWO
SALIDA DEL SOL
AT SEVEN BAR RANCH
ALBUQUERQUE, NEW MEXICO



CONSTRUCTION PLANS FOR GRADING, PAVING, & UTILITIES

INDEX TO DRAWINGS

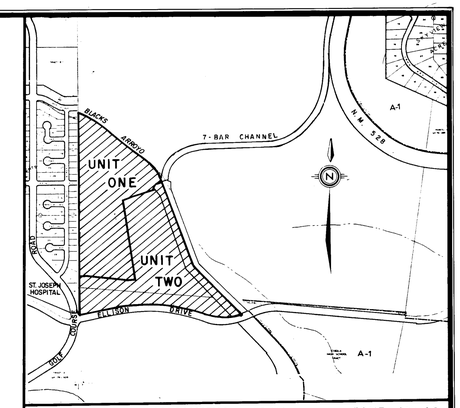
1	COVER SHEET AND INDEX TO DRAWINGS
2-3	PLATS OF GEOMETRY
4-8	GRADING PLANS
9	EROSION CONTROL PLAN
10	COMPOSITE STREET PAVING PLAN
11-21	STREET PLAN & PROFILES
22	COMPOSITE SANITARY SEWER & WATER PLAN
23-33	SANITARY SEWER AND WATER PLAN AND PROFILES
34	DRAINAGE FACILITIES PLAN AND PROFILES
35-36	BLACK ARROYO CHANNEL PLAN AND PROFILES
37-38	BLACK ARROYO CHANNEL DETAILS
39-40	CROSS-SECTIONS AND DETAILS

REVISIONS

SHT. NO.	DATE
30	7-84

W.F. McNamara
1-28-86

26 1869 0186



VICINITY MAP
(Scale: 1" = 800' approx.)

ZONE ATLAS
A-13

GENERAL NOTES

1. All work detailed on these plans to be performed under contract shall except as otherwise stated or provided for hereon, be constructed in accordance with the New Mexico Standard Specifications for Public Works Construction - 1979 Edition (referred to herein as the Standard Specifications) and the Contract Documents for Public Works Contract #84-1.
2. Two (2) working days prior to any excavation, contractor must contact Line Locating Service, 765-1234, for location 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. The water line and sanitary sewer line are to belong to New Mexico Utility Company. The City will not stake, inspect or accept them.

AS BUILT

KENT M. WHITMAN NEW MEXICO 6 REGISTERED PROFESSIONAL ENGINEER
8/30/85

NOTE: THIS CERTIFICATION IS INTENDED TO INDICATE THAT IN THE ENGINEER'S OPINION THIS CONSTRUCTION IS IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN AS SHOWN (OR AS ANNOTATED WITH UPDATED FIELD GRADES WHERE INDICATED). IT IS NOT A VERIFICATION OF CONTRACT COMPLIANCE IN THE LEVEL OF DETAIL ASSOCIATED WITH FULL CONSTRUCTION INSPECTION OF THE PROJECT.

AS BUILT LEGEND

19.57 — FIELD CHECKED SPOT ELEVATION

NOT CONSTRUCTED — AS BUILT NOTE

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

APPROVAL OF REVISIONS

ENGINEER'S SEAL

KENT M. WHITMAN REGISTERED PROFESSIONAL ENGINEER
1/27/84

DATE: JAN. 1984
SCALE: NONE
DESIGNED: K. M.W.
DRAWN: J. W. B.
JOB. NO. 23-01-PRE

community services corporation

APPROVED FOR CONSTRUCTION
CITY ENGINEER
DATE

PROJECT NO. 1869

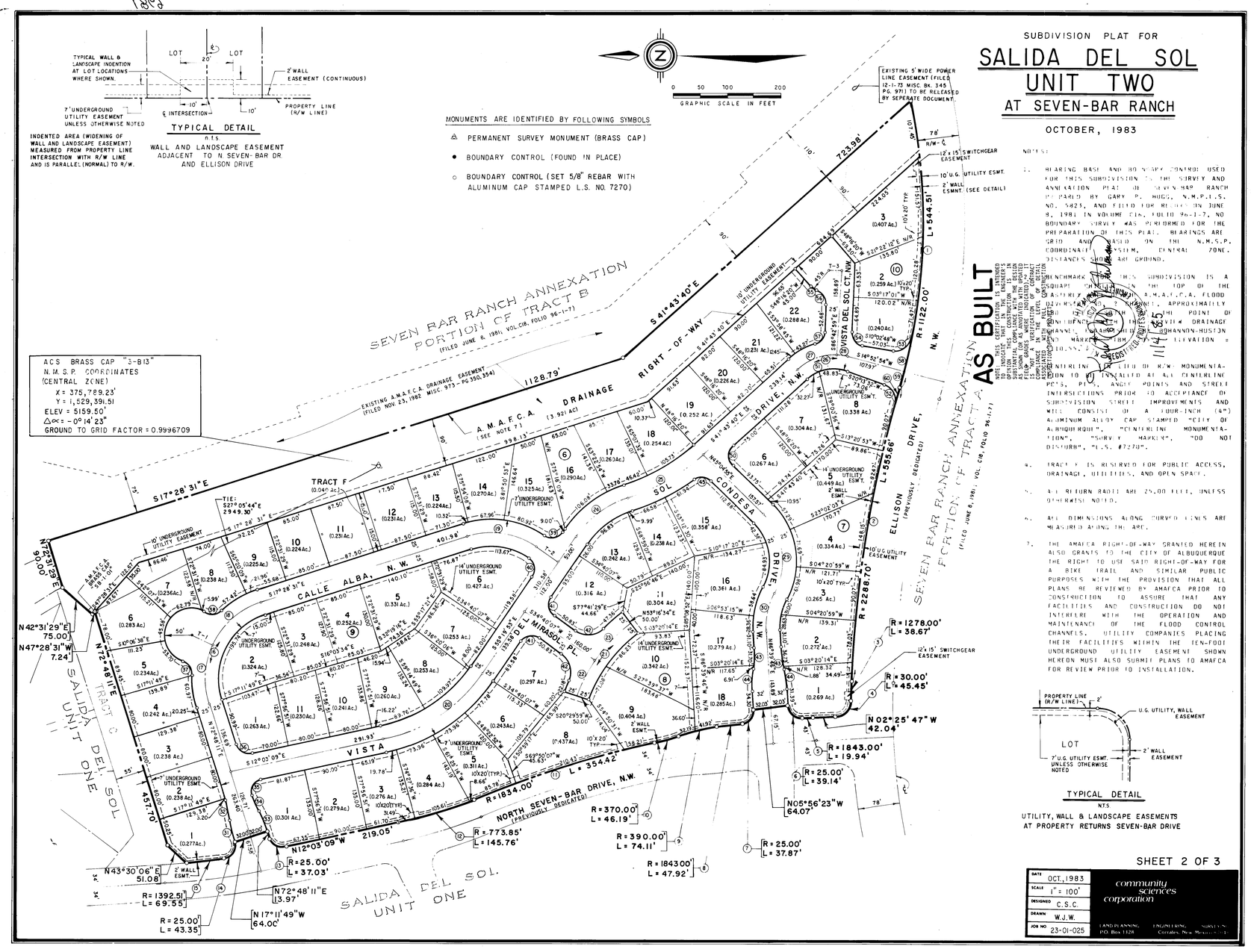
SHEET 1 OF 40

SUBDIVISION PLAT FOR

SALIDA DEL SOL UNIT TWO

AT SEVEN-BAR RANCH

OCTOBER, 1983



NOTES:

1. BEARING BASE AND GRID COORDINATES USED FOR THIS SUBDIVISION IS THE SURVEY AND ANNEXATION PLAT OF SEVEN BAR RANCH PREPARED BY GARY P. HOGG, N.M.P.L.S. NO. 5823, AND FILED FOR RECORD ON JUNE 8, 1981 IN VOLUME C16, FOLIO 96-1-7. NO BOUNDARY SURVEY WAS PERFORMED FOR THE PREPARATION OF THIS PLAT. BEARINGS ARE GRID AND BASED ON THE N.M.S.P. COORDINATE SYSTEM, CENTRAL ZONE. DISTANCES SHOWN ARE GROUND.

2. BENCHMARK FOR THIS SUBDIVISION IS A SQUARE CUT ON THE TOP OF THE SOUTHERLY A.M.A.F.C.A. FLOOD CONTROL DRAINAGE CHANNEL, APPROXIMATELY 20' TO THE RIGHT OF THE POINT OF INTERSECTION OF THE DRAINAGE CHANNEL AND THE SHANNON-HUSTON ROAD. MARKED ON THE PLAT. ELEVATION = 5159.50'.

3. CENTERLINE OF ROAD R/W MONUMENTATION TO BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS AND STREET INTERSECTIONS PRIOR TO ACCEPTANCE OF SUBDIVISION STREET IMPROVEMENTS AND WILL CONSIST OF A FOUR-INCH (4") ALUMINUM ALLOY CAP STAMPED "CITY OF ALBUQUERQUE", "CENTERLINE MONUMENTATION", "SURVEY MARKER", "DO NOT DISTURB", "L.S. #7270".

4. TRACT F IS RESERVED FOR PUBLIC ACCESS, DRAINAGE, UTILITIES, AND OPEN SPACE.

5. ALL RETURN RADII ARE 25.00 FEET, UNLESS OTHERWISE NOTED.

6. ALL DIMENSIONS ALONG CURVED LINES ARE MEASURED ALONG THE ARC.

7. THE AMAFCA RIGHT-OF-WAY GRANTED HEREIN ALSO GRANTS TO THE CITY OF ALBUQUERQUE THE RIGHT TO USE SAID RIGHT-OF-WAY FOR A BIKE TRAIL AND SIMILAR PUBLIC PURPOSES WITH THE PROVISION THAT ALL PLANS BE REVIEWED BY AMAFCA PRIOR TO CONSTRUCTION TO ASSURE THAT ANY FACILITIES AND CONSTRUCTION DO NOT INTERFERE WITH THE OPERATION AND MAINTENANCE OF THE FLOOD CONTROL CHANNELS. UTILITY COMPANIES PLACING THEIR FACILITIES WITHIN THE TEN-FOOT UNDERGROUND UTILITY EASEMENT SHOWN HEREON MUST ALSO SUBMIT PLANS TO AMAFCA FOR REVIEW PRIOR TO INSTALLATION.

AS BUILT

SHEET 2 OF 3

DATE	OCT., 1983
SCALE	1" = 100'
DESIGNED	C.S.C.
DRAWN	W.J.W.
JOB NO.	23-01-025

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

SUBDIVISION PLAT FOR

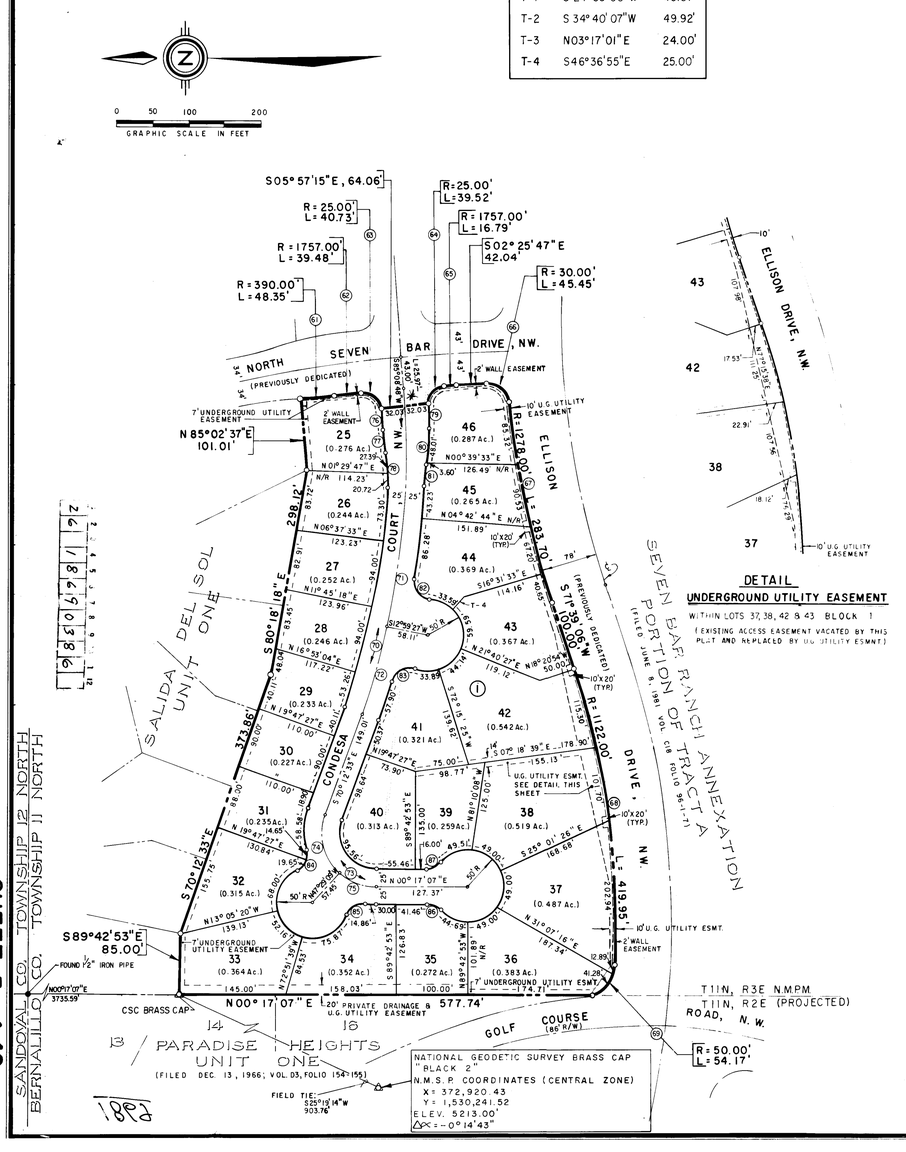
SALIDA DEL SOL UNIT TWO

AT SEVEN-BAR RANCH

OCTOBER, 1983

TANGENT TABLE		
T-1	S 24°39'00"W	43.81'
T-2	S 34°40'07"W	49.92'
T-3	N03°17'01"E	24.00'
T-4	S46°36'55"E	25.00'

CURVE TABLE							
NO.	RADIUS	ARC	DELTA	NO.	RADIUS	ARC	DELTA
1	1122.00	544.51	27°48'20"	41	25.00	39.27	90°00'00"
2	2288.70	555.66	13°54'38"	42	40.00	55.67	79°44'31"
3	1278.00	38.67	01°44'01"	43	221.00	38.60	10°00'30"
4	30.00	45.45	86°48'02"	44	239.00	41.75	10°00'30"
5	1843.00	19.94	00°37'12"	45	25.00	35.14	80°32'29"
6	25.00	39.14	89°42'45"	46	25.00	41.15	94°18'54"
7	25.00	37.87	86°47'21"	47	25.00	34.30	78°56'01"
8	1843.00	47.92	01°29'23"	48	25.00	21.03	48°11'23"
9	390.00	74.11	10°53'14"	49	221.00	31.22	08°05'34"
10	370.00	46.19	07°09'11"	50	25.00	40.66	93°11'25"
11	1834.00	354.42	11°04'20"	51	75.00	81.10	61°57'12"
12	773.85	145.76	10°47'32"	52	30.00	44.70	85°22'39"
13	25.00	37.03	84°51'20"	53	30.00	46.30	88°25'11"
14	25.00	43.35	99°21'10"	54	25.00	36.12	81°14'14"
15	1392.51	69.55	02°51'42"	55	45.00	18.21	23°11'05"
16	150.00	234.89	89°43'18"	56	25.00	29.76	68°11'47"
17	150.00	109.56	41°50'49"	57	25.00	30.77	70°31'44"
18	150.00	125.34	47°52'29"	58	1122.00	63.74	03°15'17"
19	150.00	136.51	52°08'38"	59	1122.00	30.00	01°31'55"
20	300.00	226.61	43°16'44"	60	2288.70	32.39	00°48'39"
21	300.00	171.62	32°46'35"	61	390.00	48.55	07°06'12"
22	300.00	74.19	14°10'09"	62	1757.00	39.48	01°17'15"
23	300.00	97.43	18°36'26"	63	25.00	40.73	93°21'27"
24	186.87	123.34	37°51'22"	64	25.00	39.52	90°33'49"
25	384.43	142.73	24°15'09"	65	1757.00	16.79	00°32'51"
26	100.00	98.80	56°36'34"	66	30.00	45.45	86°48'02"
27	100.00	78.56	45°00'41"	67	1278.00	283.70	12°43'09"
28	100.00	20.24	11°35'53"	68	1122.00	419.95	21°26'42"
29	125.00	159.14	72°56'32"	69	50.00	54.17	62°04'45"
30	133.95	73.32	31°21'41"	70	1075.00	436.41	23°15'36"
31	239.00	41.75	10°00'30"	71	1075.00	308.83	16°27'36"
32	221.00	38.60	10°00'30"	72	1075.00	127.59	06°48'00"
33	239.00	41.75	10°00'30"	73	75.00	143.34	109°30'19"
34	221.00	29.64	07°41'02"	74	75.00	88.06	67°16'36"
35	25.00	42.53	97°28'08"	75	75.00	55.28	42°15'45"
36	25.00	37.03	84°51'20"	76	1043.00	28.66	01°34'28"
37	25.00	32.47	74°24'39"	77	239.00	33.49	08°01'39"
38	25.00	32.47	74°24'39"	78	221.00	48.11	12°28'18"
39	25.00	39.26	89°58'41"	79	1107.00	33.28	01°43'22"
40	25.00	39.29	90°02'37"	80	239.00	51.61	12°22'17"



SANDOVAL CO. TOWNSHIP 12 NORTH
BERNALILLO CO. TOWNSHIP 11 NORTH

SHEET 3 of 40

SHEET 3 OF 3

DATE	OCT., 1983
SCALE	1" = 100'
DESIGNED	C.S.C.
DRAWN	W.J.W.
JOB NO.	23-01-025

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

NOTES:

1. BEARING BASE AND BOUNDARY CONTROL USED FOR THIS SUBDIVISION IS THE SURVEY AND ANNEXATION PLAT OF SEVEN-BAR RANCH PREPARED BY GARY P. HUGG, N.M.P.L.S. NO. 5823, AND FILED FOR RECORD ON JUNE 8, 1981 IN VOLUME C16, FOLIO 96-1-7, NO BOUNDARY SURVEY WAS PERFORMED FOR THE PREPARATION OF THIS PLAT. BEARINGS ARE GRID AND BASED ON THE N.M.S.P. COORDINATE SYSTEM, CENTRAL ZONE. DISTANCES SHOWN ARE GROUND.
2. BENCHMARK FOR THIS SUBDIVISION IS A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNON-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55.
3. THE EXISTING 10 FOOT WIDE SANITARY SEWER EASEMENT (FILED 12-5-74 IN MISC. BOOK 397, PAGE 673) SHOWN WITHIN LOTS 16, 17, & 18, BLOCK 2; LOTS 2 AND 3, BLOCK 3; LOT 1, BLOCK 5 ARE VACATED WITH THIS PLAT FILING. THE EASEMENT WITHIN LOTS 16, 17 AND 18, BLOCK 2 IS REPLACED WITH A 14 FOOT WIDE U.G. UTILITY EASEMENT FOR TELEPHONE, ELECTRIC AND CABLE FACILITIES (7 FOOT EITHER SIDE OF PROPERTY LINE). THE EXISTING EASEMENT WITHIN LOTS 4 AND 5, BLOCK 5 WIDENED TO REFLECT A 20 FOOT WIDE SANITARY SEWER AND U.G. PUBLIC UTILITY EASEMENT.
4. CENTERLINE (IN LIEU OF R/W) MONUMENTATION TO BE INSTALLED AT ALL CENTERLINE PC'S, PT'S, ANGLE POINTS AND STREET INTERSECTIONS PRIOR TO ACCEPTANCE OF SUBDIVISION STREET IMPROVEMENTS AND WILL CONSIST OF A FOUR-INCH (4") ALUMINUM ALLOY CAP STAMPED "CITY OF ALBUQUERQUE", "CENTERLINE MONUMENTATION", "SURVEY MARKER", "DO NOT DISTURB", "L.S. # 7270".
5. TRACTS A THRU E, INCLUSIVE ARE RESERVED FOR PUBLIC ACCESS, DRAINAGE, UTILITIES AND OPEN SPACE.
6. ALL RETURN RADII ARE 25.00 FEET, UNLESS OTHERWISE NOTED.
7. ALL DIMENSIONS ALONG CURVED LINES ARE MEASURED ALONG THE ARC.
8. THE AMAFCA RIGHT-OF-WAY GRANTED HEREIN ALSO GRANTS TO THE CITY OF ALBUQUERQUE THE RIGHT TO USE SAID RIGHT-OF-WAY FOR A BIKE TRAIL AND SIMILAR PUBLIC PURPOSES WITH THE PROVISION THAT ALL PLANS BE REVIEWED BY AMAFCA PRIOR TO CONSTRUCTION TO ASSURE THAT ANY FACILITIES AND CONSTRUCTION DO NOT INTERFERE WITH THE OPERATION AND MAINTENANCE OF THE FLOOD CONTROL CHANNELS.

MONUMENTS ARE IDENTIFIED BY FOLLOWING SYMBOLS

- △ PERMANENT SURVEY MONUMENT (BRASS CAP)
- ● BOUNDARY CONTROL (FOUND IN PLACE)
- ○ BOUNDARY CONTROL (SET 5/8" REBAR WITH ALUMINUM CAP STAMPED L.S. NO. 7270)

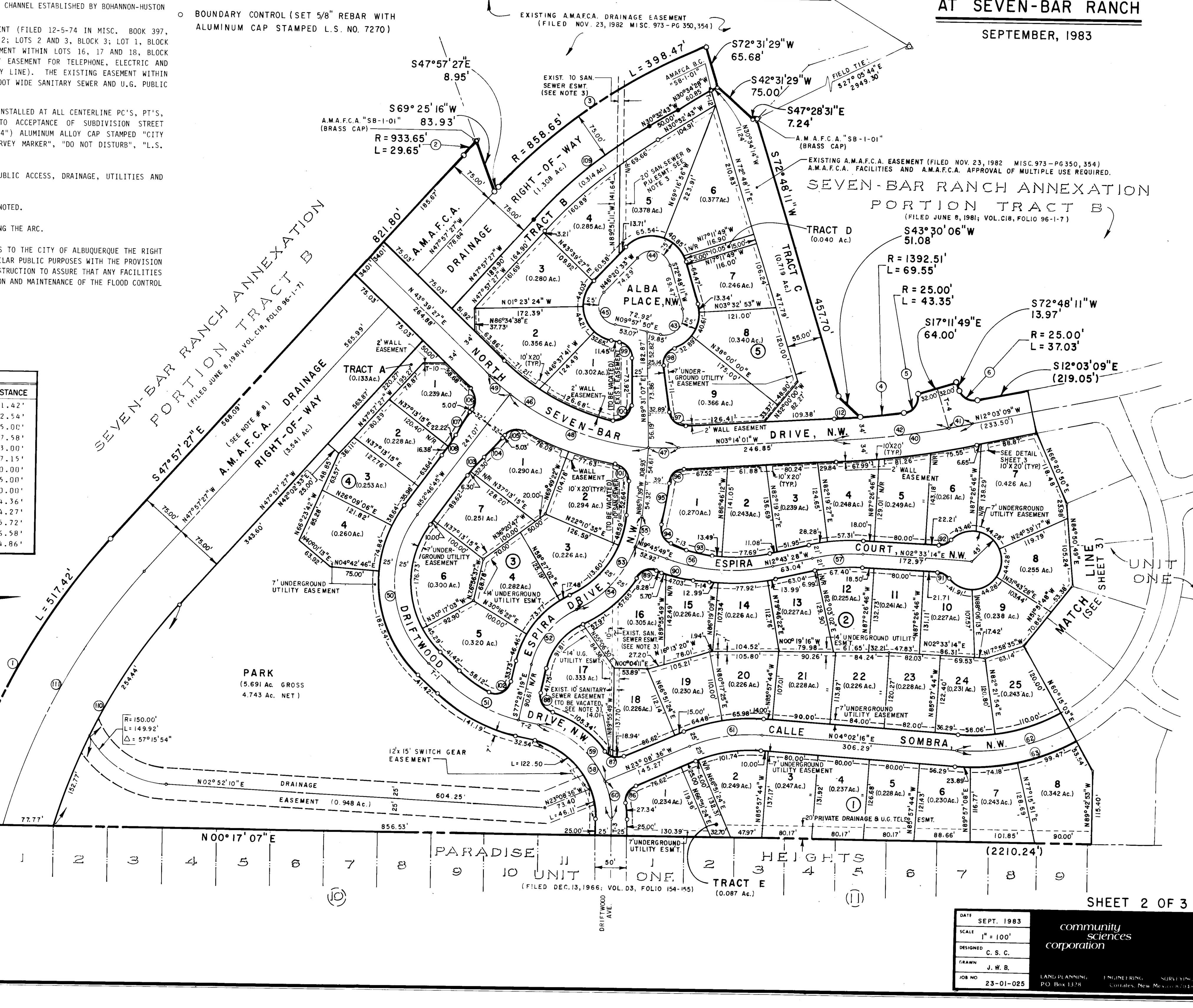
ACS BRASS CAP "3-B13"
N.M.S.P. COORDINATES (CENTRAL ZONE)
X = 375,789.23
Y = 1,529,391.51
ELEV. = 5159.50'
Δ∝ = -0° 14' 23"
GROUND TO GRID FACTOR = 0.9996709

SUBDIVISION PLAT FOR

SALIDA DEL SOL UNIT ONE AT SEVEN-BAR RANCH

SEPTEMBER, 1983

TANGENT DATA		
NUMBER	BEARING	DISTANCE
T-1	N 42°25'05" E	41.42'
T-2	N 13°00'04" E	32.54'
T-3	N 89°42'53" W	25.00'
T-4	N 72°48'11" E	67.58'
T-5	N 85°08'48" E	43.00'
T-6	N 86°39'46" E	67.15'
T-7	N 38°19'20" E	50.00'
T-8	N 02°48'07" E	25.00'
T-9	N 16°54'31" W	60.00'
T-10	N 01°19'08" W	34.36'
T-11	N 83°31'38" E	74.27'
T-12	N 72°48'11" E	25.72'
T-13	N 19°45'49" E	26.58'
T-14	N 06°00'30" E	24.86'



SHEET 2 OF 3

DATE	SEPT. 1983
SCALE	1" = 100'
DESIGNED	C. S. C.
DRAWN	J. W. B.
JOB NO	23-01-025

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

SUBDIVISION PLAT FOR

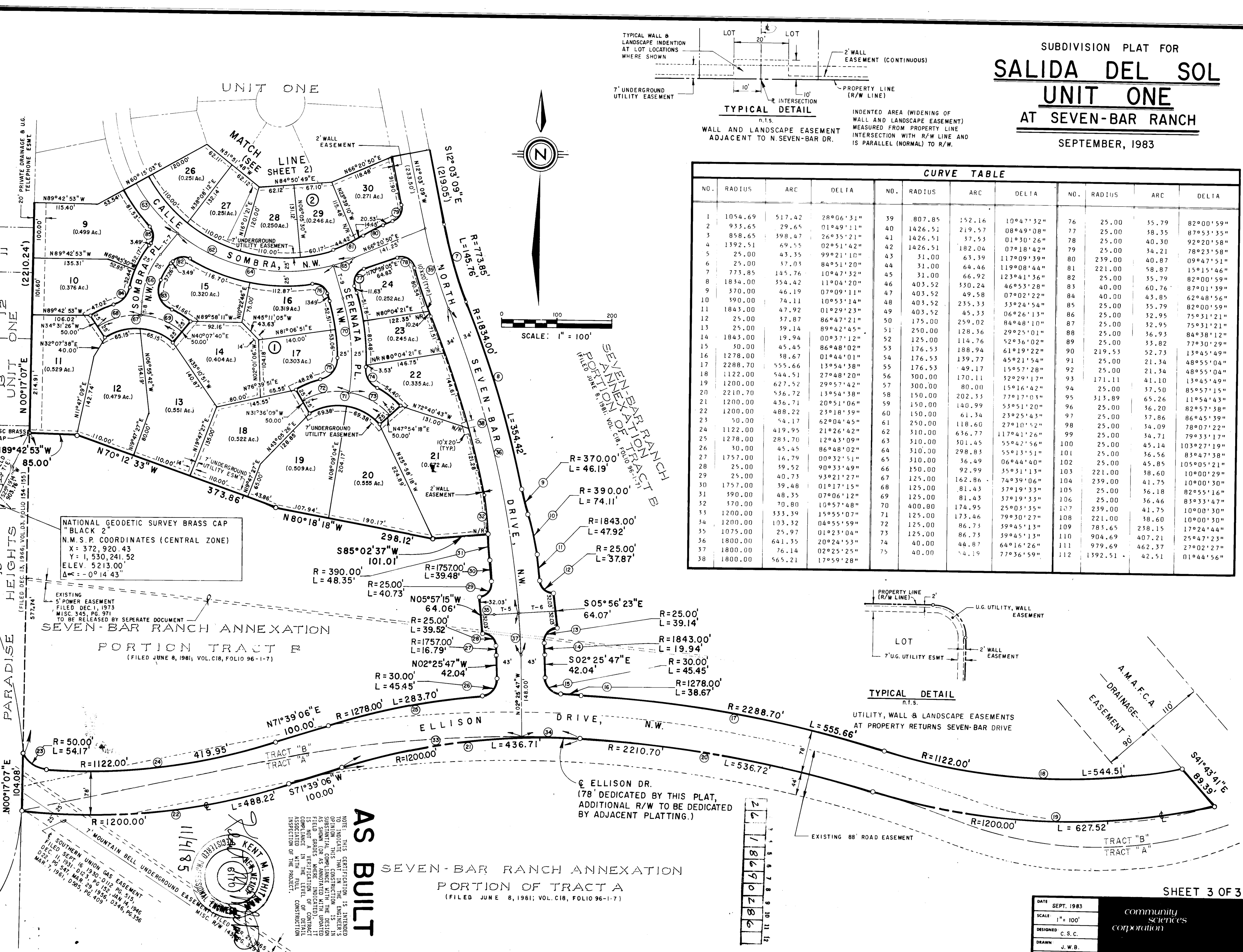
SALIDA DEL SOL UNIT ONE AT SEVEN-BAR RANCH

SEPTEMBER, 1983

TYPICAL DETAIL n.t.s.
WALL AND LANDSCAPE EASEMENT ADJACENT TO N. SEVEN-BAR DR.

INDENTED AREA (WIDENING OF WALL AND LANDSCAPE EASEMENT) MEASURED FROM PROPERTY LINE INTERSECTION WITH R/W LINE AND IS PARALLEL (NORMAL) TO R/W.

CURVE TABLE											
NO.	RADIUS	ARC	DELTA	NO.	RADIUS	ARC	DELTA	NO.	RADIUS	ARC	DELTA
1	1054.69	517.42	28°06'31"	39	807.85	152.16	10°47'32"	76	25.00	35.79	82°00'59"
2	933.65	29.65	01°49'11"	40	1426.51	219.57	08°49'08"	77	25.00	38.35	87°53'35"
3	858.65	398.47	26°35'21"	41	1426.51	37.53	01°30'26"	78	25.00	40.30	92°20'58"
4	1392.51	69.55	02°51'42"	42	1426.51	182.04	07°18'42"	79	25.00	34.21	78°23'58"
5	25.00	43.35	99°21'10"	43	31.00	63.39	117°09'39"	80	239.00	40.87	09°47'51"
6	25.00	37.03	84°51'20"	44	31.00	64.46	119°08'44"	81	221.00	58.87	15°15'46"
7	773.85	145.76	10°47'32"	45	31.00	66.92	123°41'36"	82	25.00	35.79	82°00'59"
8	1834.00	354.42	11°04'20"	46	403.52	330.24	46°53'28"	83	40.00	60.76	87°01'39"
9	370.00	46.19	07°09'11"	47	403.52	49.58	07°02'22"	84	40.00	43.85	62°48'56"
10	390.00	74.11	10°53'14"	48	403.52	235.33	33°24'54"	85	25.00	35.79	82°00'59"
11	1843.00	47.92	01°29'23"	49	403.52	45.33	06°26'13"	86	25.00	32.95	75°31'21"
12	25.00	37.87	86°47'21"	50	175.00	259.02	84°48'10"	87	25.00	32.95	75°31'21"
13	25.00	39.14	89°42'45"	51	250.00	128.36	29°25'01"	88	25.00	36.93	84°38'12"
14	1843.00	19.94	00°37'12"	52	125.00	114.76	52°36'02"	89	25.00	33.82	77°30'29"
15	30.00	45.45	86°48'02"	53	176.53	188.94	61°19'22"	90	219.53	52.73	13°45'49"
16	1278.00	38.67	01°44'01"	54	176.53	139.77	45°21'54"	91	25.00	21.34	48°55'04"
17	2288.70	555.66	13°54'38"	55	176.53	49.17	15°57'28"	92	25.00	21.34	48°55'04"
18	1122.00	544.51	27°48'20"	56	300.00	170.11	32°29'17"	93	171.11	41.10	13°45'49"
19	1200.00	627.52	29°57'42"	57	300.00	80.00	15°16'42"	94	25.00	37.50	85°57'15"
20	2210.70	536.72	13°54'38"	58	150.00	202.33	77°17'03"	95	313.89	65.26	11°54'43"
21	1200.00	436.71	20°51'06"	59	150.00	140.99	53°51'20"	96	25.00	36.20	82°57'38"
22	1200.00	488.22	23°18'39"	60	150.00	61.34	23°25'43"	97	25.00	37.86	86°45'39"
23	50.00	54.17	62°04'45"	61	250.00	118.60	27°10'52"	98	25.00	34.09	78°07'22"
24	1122.00	419.95	21°26'42"	62	310.00	636.77	117°41'26"	99	25.00	34.71	79°33'17"
25	1278.00	283.70	12°43'09"	63	310.00	301.45	55°42'56"	100	25.00	45.14	103°27'19"
26	30.00	45.45	86°48'02"	64	310.00	298.83	55°13'51"	101	25.00	36.56	83°47'38"
27	1757.00	16.79	00°32'51"	65	310.00	36.49	06°44'40"	102	25.00	45.85	105°05'21"
28	25.00	39.52	90°33'49"	66	150.00	92.99	35°31'13"	103	221.00	38.60	10°00'29"
29	25.00	40.73	93°21'27"	67	125.00	162.86	74°39'06"	104	239.00	41.75	10°00'30"
30	1757.00	39.48	01°17'15"	68	125.00	81.43	37°19'33"	105	25.00	36.18	82°55'16"
31	390.00	48.35	07°06'12"	69	125.00	81.43	37°19'33"	106	25.00	36.46	83°33'47"
32	370.00	70.80	10°57'48"	70	400.00	174.95	25°03'35"	107	239.00	41.75	10°00'30"
33	1200.00	333.39	15°55'07"	71	125.00	173.46	79°30'27"	108	221.00	38.60	10°00'30"
34	1200.00	103.32	04°55'59"	72	125.00	86.73	39°45'13"	109	783.65	238.15	17°24'44"
35	1075.00	25.97	01°23'04"	73	125.00	86.73	39°45'13"	110	904.69	407.21	25°47'23"
36	1800.00	641.35	20°24'53"	74	40.00	44.87	64°16'26"	111	979.69	462.37	27°02'27"
37	1800.00	76.14	02°25'25"	75	40.00	54.19	77°36'59"	112	1392.51	42.51	01°44'56"
38	1800.00	565.21	17°59'28"								



AS BUILT

NOTE: THIS CERTIFICATION IS INTENDED TO INDICATE THAT IN THE ENGINEER'S OPINION THIS CONSTRUCTION IS IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN AS SHOWN (OR AS ANNOTATED WITH UPDATED FIELD GRADES WHERE INDICATED). IT IS NOT A VERIFICATION OF CONTRACT COMPLIANCE IN THE LEVEL OF DETAIL ASSOCIATED WITH FULL CONSTRUCTION INSPECTION OF THE PROJECT.

KENT M. WHITMAN NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 6116

11/4/85

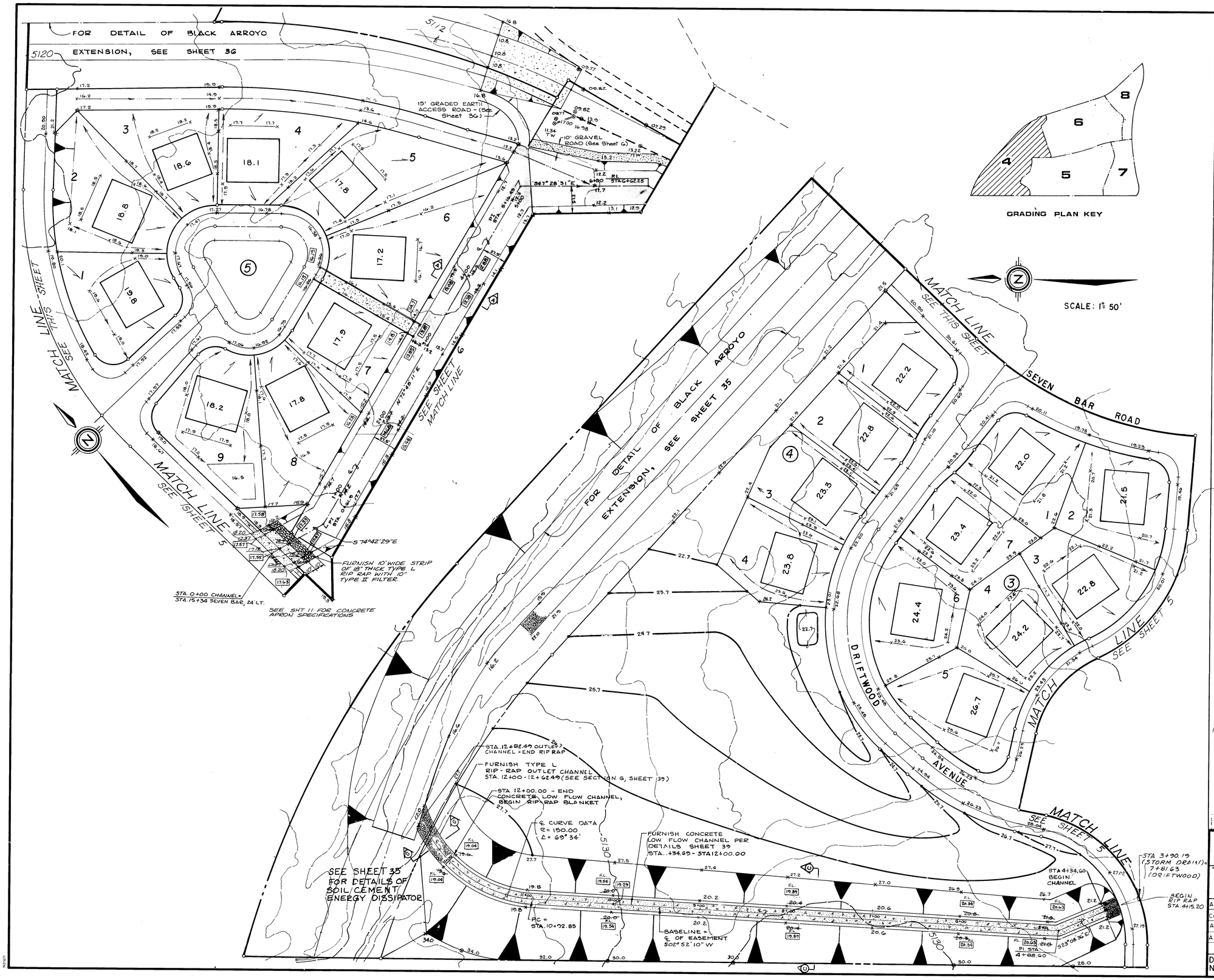
SHEET 3 OF 3

DATE	SEPT. 1983
SCALE	1" = 100'
DESIGNED	C. S. C.
DRAWN	J. W. B.
JOB NO.	23-01-025

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

SHEET 2 of 40

1862



AS BUILT

NOTE: THIS CERTIFICATION IS INTENDED TO INDICATE THAT IN THE ENGINEER'S OPINION THIS CONSTRUCTION IS IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN AS SHOWN (OR AS ANNOTATED WITH UPDATED FIELD GRADES WHERE INDICATED). IT IS NOT A VERIFICATION OF CONTRACT COMPLIANCE IN THE LEVEL OF DETAIL ASSOCIATED WITH FULL CONSTRUCTION INSPECTION OF THE PROJECT.

9/30/85

2 6 1 8 6 9 0 4 8 6

AS BUILT INFORMATION

NO	BY	DATE

FIELD NOTES BY DATE

FIELD VERIFICATION BY DATE

DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO

BENCH MARKS

A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL. ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55.

SURVEY INFORMATION

NO	BY	DATE

ENGINEER'S SEAL

KENT M. WHITTEMORE, NEW MEXICO, 5147, REGISTERED PROFESSIONAL ENGINEER

1/27/84

NO	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGNED BY	K. M. W.	11-83
DRAWN BY	M. K. S.	11-83
CHECKED BY	K. M. W.	11-83

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SALIDA DEL SOL - UNIT ONE

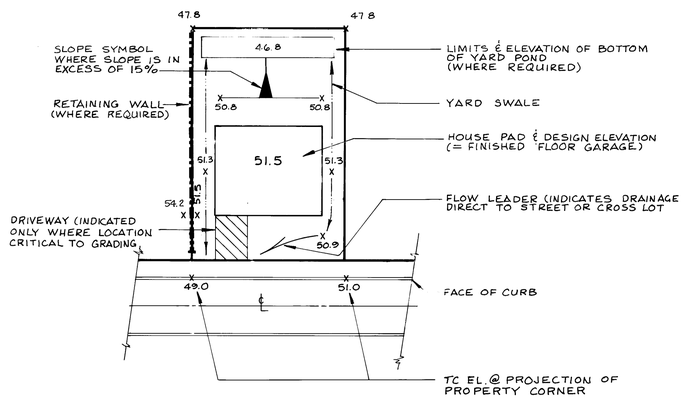
GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[signature]	8/16/84	~~Liquid Waste~~		
A.C.E.-Design	[signature]	8/16/84	Traffic	T.E. Kennedy	2/27/84
A.C.E.-Hydrology	[signature]	2/27/84	Water Res.	NA	2-8-84

DRAWING NO 1869 | MAP NO. A-13 | SHEET 4 OF 40

1869

1880

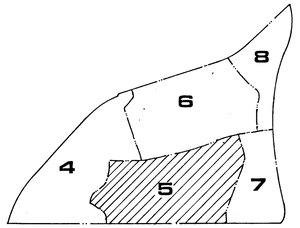


LEGEND (ALL GRADING SHEETS) NOTE ON SPOT ELEVATIONS:
N.T.S.

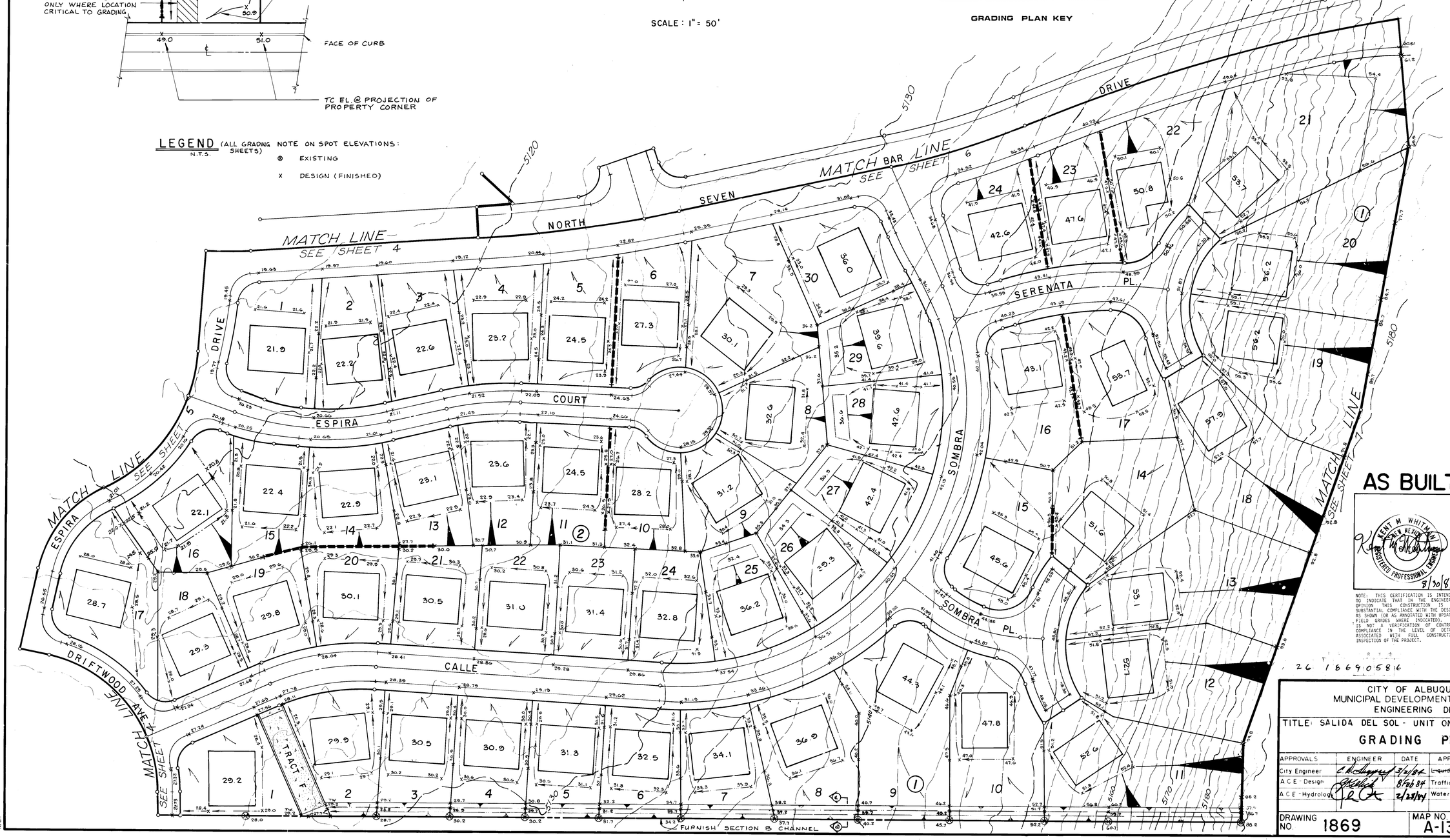
⊗ EXISTING

X DESIGN (FINISHED)

SCALE : 1" = 50'



GRADING PLAN KEY



AS BUILT

NOTE: THIS CERTIFICATION IS INTENDED TO INDICATE THAT IN THE ENGINEER'S OPINION THIS CONSTRUCTION IS IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN AS SHOWN (OR AS ANNOTATED WITH UPDATED FIELD GRADES WHERE INDICATED). IT IS NOT A VERIFICATION OF CONTRACT COMPLIANCE IN THE LEVEL OF DETAIL ASSOCIATED WITH FULL CONSTRUCTION INSPECTION OF THE PROJECT.

26 186905816

AS BUILT INFORMATION

BENCH MARKS

A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

1/27/84

NO	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	K.M.W.	DATE	11-83
DRAWN BY	M.K.S.	DATE	11-83
CHECKED BY	K.M.W.	DATE	11-83

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SALIDA DEL SOL - UNIT ONE

GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		3/21/84	~~Liquid Waste~~		
A.C.E.-Design		8/26/84	Traffic	T.W. Kennedy	2/27/84
A.C.E.-Hydrology		2/23/84	Water Res.	NA	2-8-84

DRAWING NO. 1869 | MAP NO. A-13 | SHEET 5 OF 40

GRAVEL SPECS	
SCREEN SIZE	% PASSING
2"	100
3/4"	80 - 100
NO. 4	40 - 70
NO. 10	30 - 55
NO. 200	4 - 12
P.I.	6 or less

NOTE: GRADE LEVEL FROM ELEVATIONS OF SECTION A CHANNEL TO WALL OF CONCRETE CHANNEL. FURNISH 4" GRAVEL ROAD SURFACE AS SHOWN & TO SPECIFICATIONS THIS SHEET.
GRAVEL NOT FURNISHED

EXISTING CHANNEL

EXISTING SOIL CEMENT INLET

REMOVE EXISTING 51'x9' SECTION OF SOIL CEMENT (HATCHED AREA) AND MATCH NEW CHANNEL INTO SOIL CEMENT SECTION
SOIL CEMENT LEFT INTACT

EXISTING SOIL CEMENT

SECTION - H (Through match line with soil cement inlet.)
1" = 20 horiz.
1" = 5 vert.

GRADING PLAN KEY

AS BUILT

KENT M. WHITMAN NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 8/30/85

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26 1869 0686

AS BUILT INFORMATION
A.C.E. ENGINEER
NAME
DATE
FIELD VERIFICATION BY
DATE
DRAWING CORRECTED BY
DATE
RECORDED BY
DATE
NO.
MICRO-FILM INFORMATION

BENCH MARKS
A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

SURVEY INFORMATION
FIELD NOTES
BY
DATE
NO.

ENGINEER'S SEAL
ALAN E. KLEIFLER NEW MEXICO REGISTERED PROFESSIONAL ENGINEER
1/27/84

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY K.M.W.	DATE 11-83
		DRAWN BY M.K.S.	DATE 11-83
		CHECKED BY K.M.W.	DATE 11-83

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

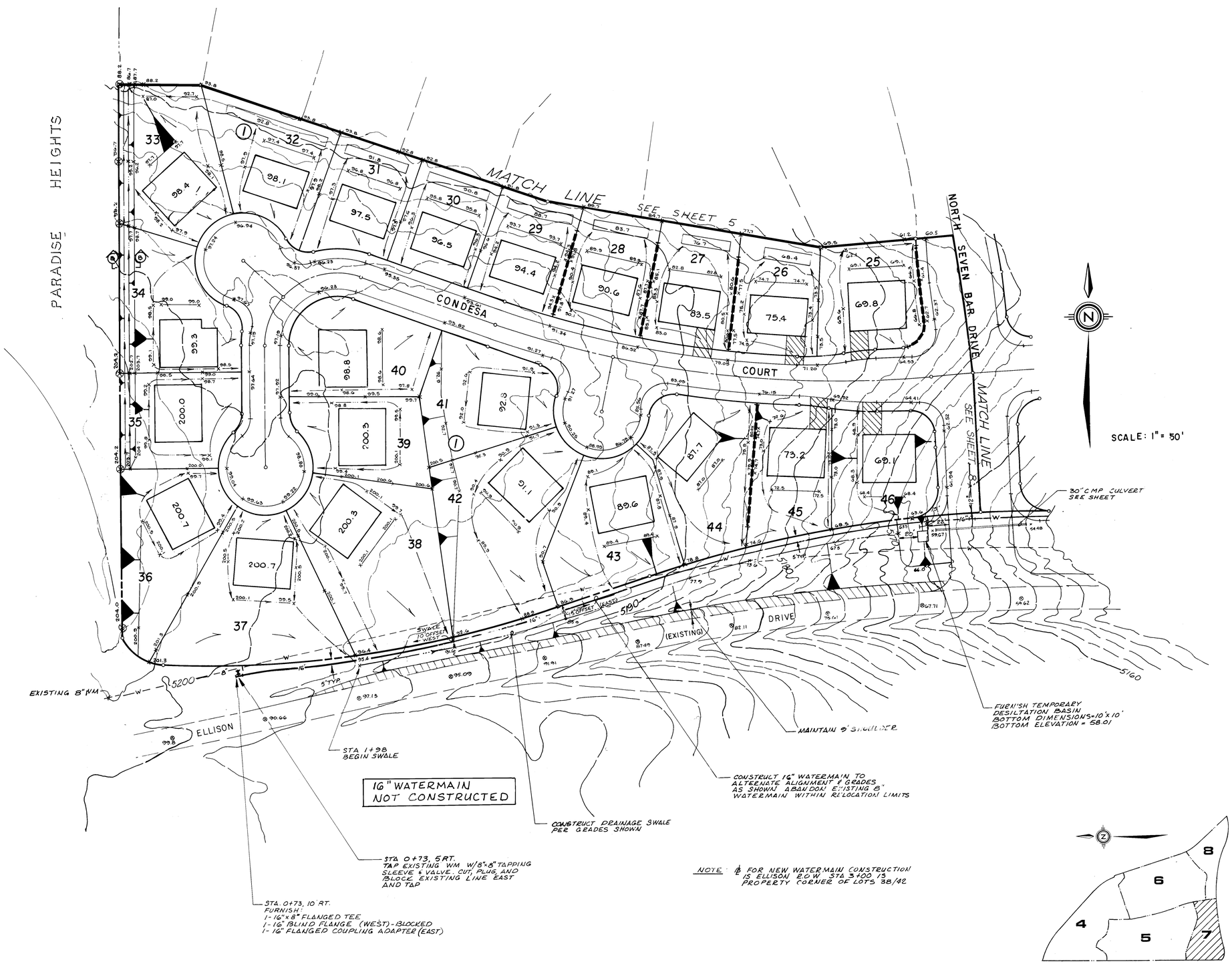
TITLE: SALIDA DEL SOL - UNIT TWO

GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			~~Liquid Waste~~		
A.C.E. - Design		2/28/84	Traffic		2/28/84
A.C.E. - Hydrology		2/28/84	Water Res.		2-28-84

DRAWING NO. 1869 | MAP NO. A-13 | SHEET 6 OF 40

1869



GRADING PLAN KEY

AS BUILT

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9/3/85

AS BUILT INFORMATION	
ALTHA TIM	
A. CAR	DATE
M. CAR	
INSPECTOR	
FIELD ENGR. BY	DATE
FIELD ENGR.	
VERIFICATION BY	DATE
CONTRACTOR	
CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO	

BENCH MARKS

A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL. ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

KEVIN M. WHITAKER — NEW MEXICO LICENSED PROFESSIONAL ENGINEER — 8172

1/27/84

NO	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY	K.M.W.	DATE	11-83
DRAWN BY	M.A.S.	DATE	11-83
CHECKED BY	K.M.W.	DATE	11-83

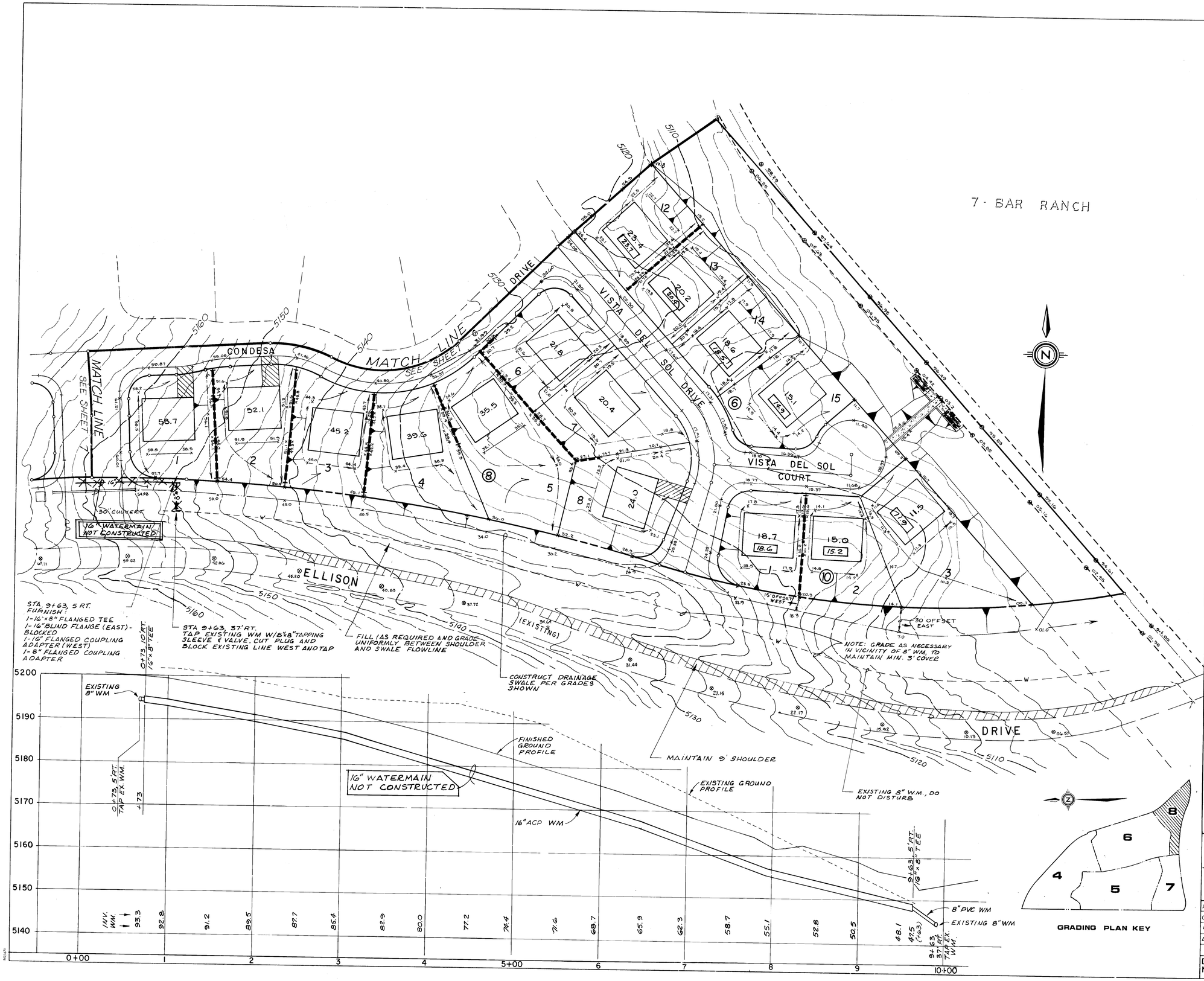
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SALIDA DEL SOL - UNIT TWO

GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C.H. Hungerford	5/1/84	~~Liquid Waste~~		
A.C.E.-Design	[illegible]	8/22/84	Traffic	[illegible]	2/27/84
A.C.E.-Hydrology	[illegible]	2/28/84	Water Res.	N.A. [illegible]	2-8-84

DRAWING NO.	MAP NO.	SHEET	OF
1869	A-13	7	40



AS BUILT

KENT M WHITAKER, NEW MEXICO, REGISTERED PROFESSIONAL ENGINEER

9/13/85

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26 1869 0886

AS BUILT INFORMATION

AS-BUILT BY		DATE
INSPECTOR		DATE
FIELD CHANGE BY		DATE
FIELD VERIFICATION BY		DATE
DRAWINGS CORRECTED BY		DATE
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS

A SQUARE CHISELED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

KENT M WHITAKER, NEW MEXICO, REGISTERED PROFESSIONAL ENGINEER

1/27/84

NO.	DATE	REMARKS	BY

REVISIONS

DESIGNED BY	K.M.W.	DATE	11-83
DRAWN BY	M.E.S.	DATE	11-83
CHECKED BY	K.M.W.	DATE	11-83

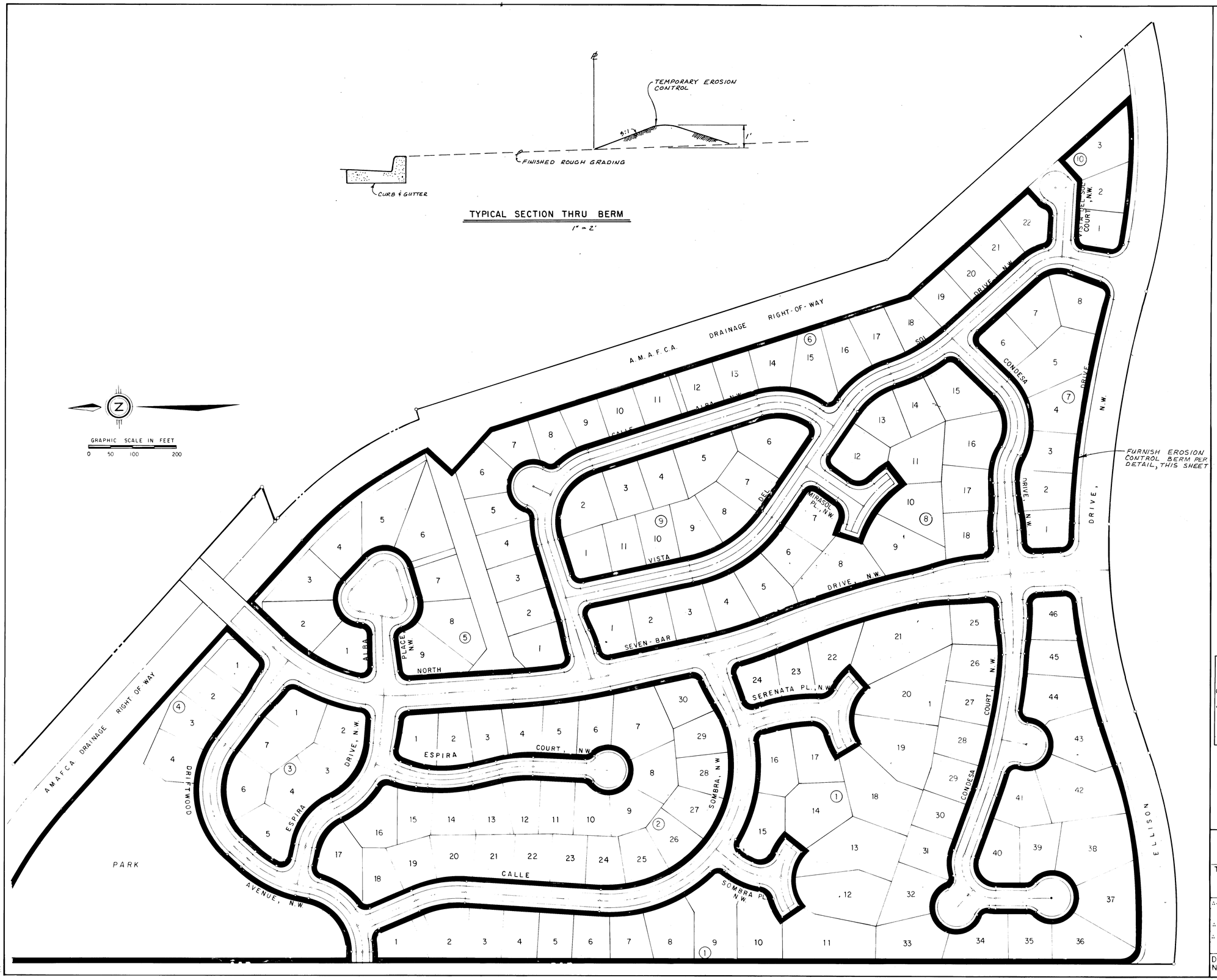
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SALIDA DEL SOL - UNIT TWO

GRADING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C. Gallegos	3/21/84	~~Liquid Waste~~		
A.C.E.-Design	[illegible]	8/20/84	Traffic		
A.C.E.-Hydrology	[illegible]	2/22/84	Water, Res.	T.W. Kennedy / N.A. Wolfe	2/28/84 / 2-28-84

DRAWING NO.	MAP NO.	SHEET	OF
1869	A-13	8	40



AS BUILT

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26 1869 0986

NO	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

ENGINEER'S SEAL — REGISTERED PROFESSIONAL ENGINEER — 11/29/84

SURVEY INFORMATION

NO	FIELD NOTES	BY	DATE

BENCH MARKS

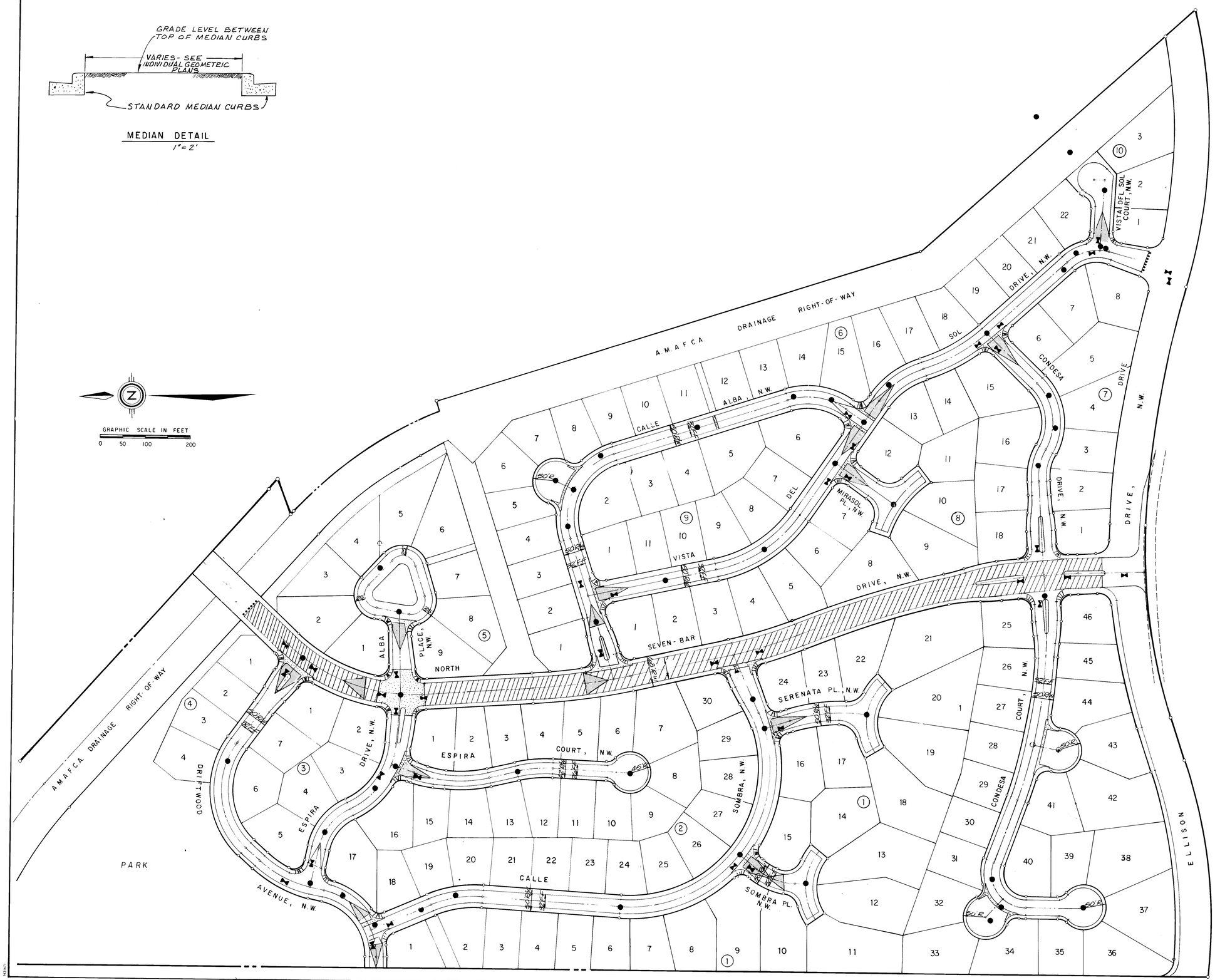
AS BUILT

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SALIDA DEL SOL UNITS ONE AND TWO
EROSION CONTROL PLAN

DRAWING NO	MAP NO	SHEET	OF
1869	A-13	9	40

MEDIAN DETAIL
1" = 2'



AS BUILT

Kent M. Whitman
11/4/85

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LEGEND

- SANITARY SEWER MH LOCATION
- WATERLINE VALVE BOX LOCATION
- CONCRETE VALLEY GUTTER W/ TRANSITION SECTION
- TRAFFIC BARRICADE
- ARTERIAL PAVEMENT
- WHEELCHAIR RAMP

26 1869 1086

AS BUILT INFORMATION

A INSP. BY
INSPECTOR
AS-BUILT BY
FIELD
DRAWING CORRECTION BY
DRAWING CORRECTED BY
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO

BENCH MARKS

A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

SURVEY INFORMATION

FIELD NOTES

NO	BY	DATE

ENGINEER'S SEAL

Kent M. Whitman
REGISTERED PROFESSIONAL ENGINEER
11/27/84

REVISIONS

NO	DATE	REMARKS	BY

DESIGNED BY KMW DATE 10-83
DRAWN BY CSS DATE 11-83
CHECKED BY DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

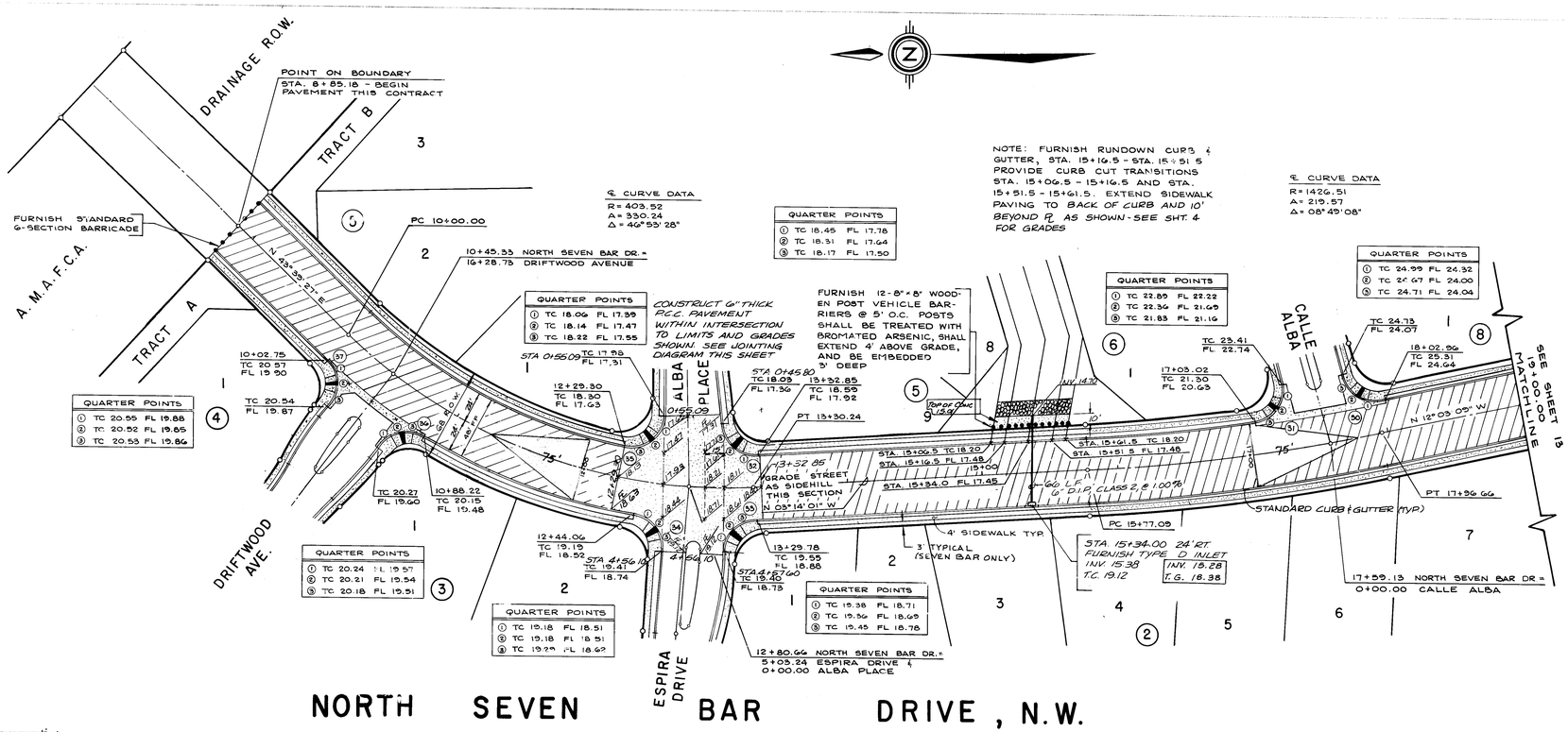
TITLE: SALIDA DEL SOL - UNITS ONE & TWO

COMPOSITE STREET PAVING PLAN

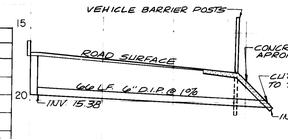
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	9/1/84	~~Liquid Waste~~		
A C E - Design	[illegible]	8/15/84	Traffic	T.H. Kennedy	2/28/84
A C E - Hydrology	[illegible]	2/28/84	Water Rev.	[illegible]	2-8-84

DRAWING NO 1869 | MAP NO. A-13 | SHEET 10 OF 40

1869

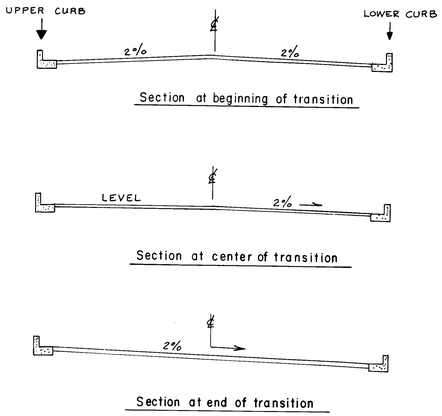


CURB CURVE DATA			
CURVE	RADIUS	ARC	DELTA
30	25.00	37.03	84°51' 20"
31	25.00	43.16	98°54' 19"
32	25.00	37.86	86°45' 35"
33	25.00	36.20	82°57' 38"
34	25.00	37.00	84°48' 06"
35	25.00	44.32	101°34' 48"
36	25.00	36.61	83°54' 40"
37	25.00	36.46	83°33' 47"



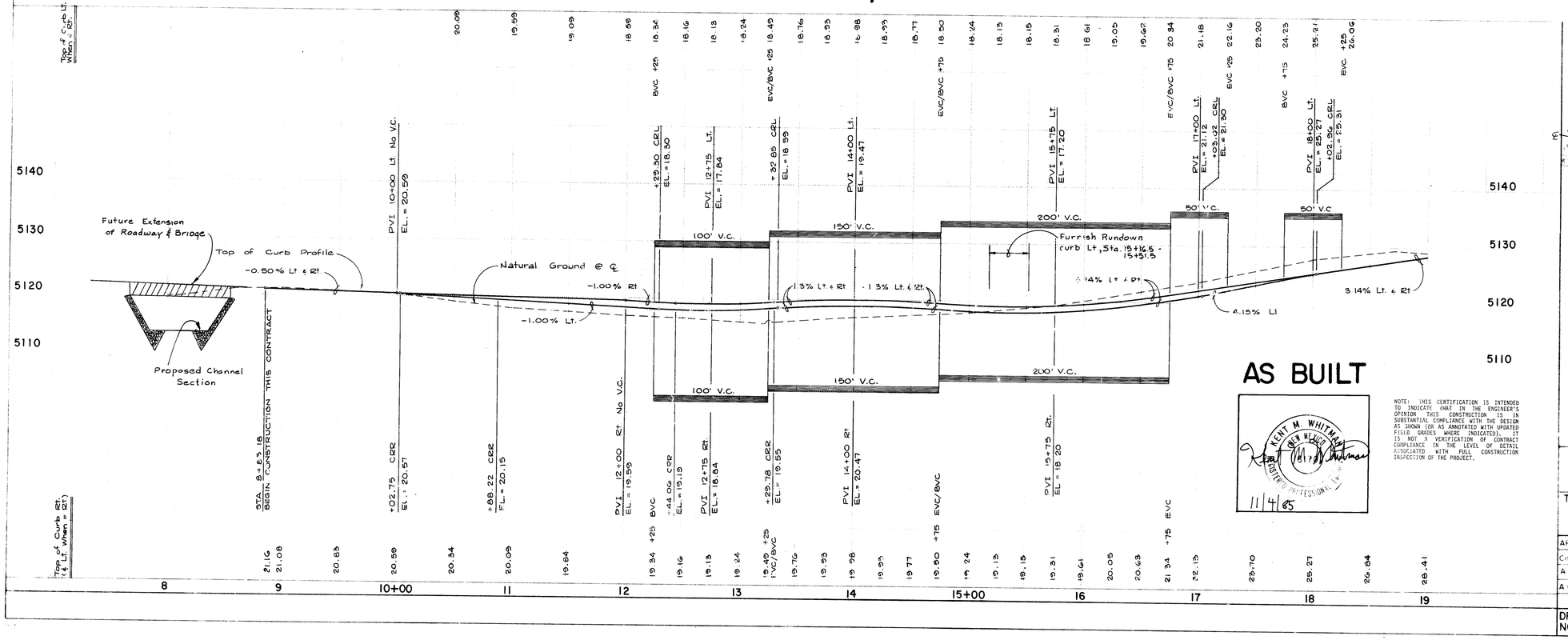
LOW FLOW DRAIN PROFILE

1" = 20' HORIZ.
1" = 5' VERT.



TRANSITION - CROWN TO SUPERELEVATION

N.T.S.



AS BUILT

KENT M. WHITMAN NEW MEXICO 18178 REGISTERED PROFESSIONAL ENGINEER
11/4/85

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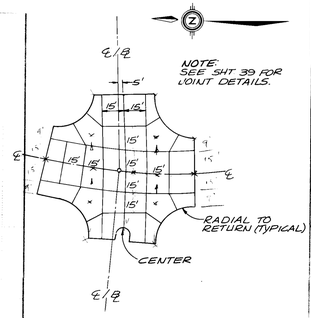


CONCRETE INTERSECTION JOINTING DIAGRAM

N.T.S.

26, 186 711 186

SCALE 1" = 50' Horizontal
1" = 10' Vertical

BENCH MARKS

A SQUARE CHISELED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

SURVEY INFORMATION

FIELD NOTE NO. BY DATE

ENGINEER'S SEAL

Kent M. Whitman 11/27/84

NO.	DATE	REMARKS OF REVISIONS OR DESIGN	BY
	DATE 10-85		KMW
	DATE 11-85		MKS
	DATE		

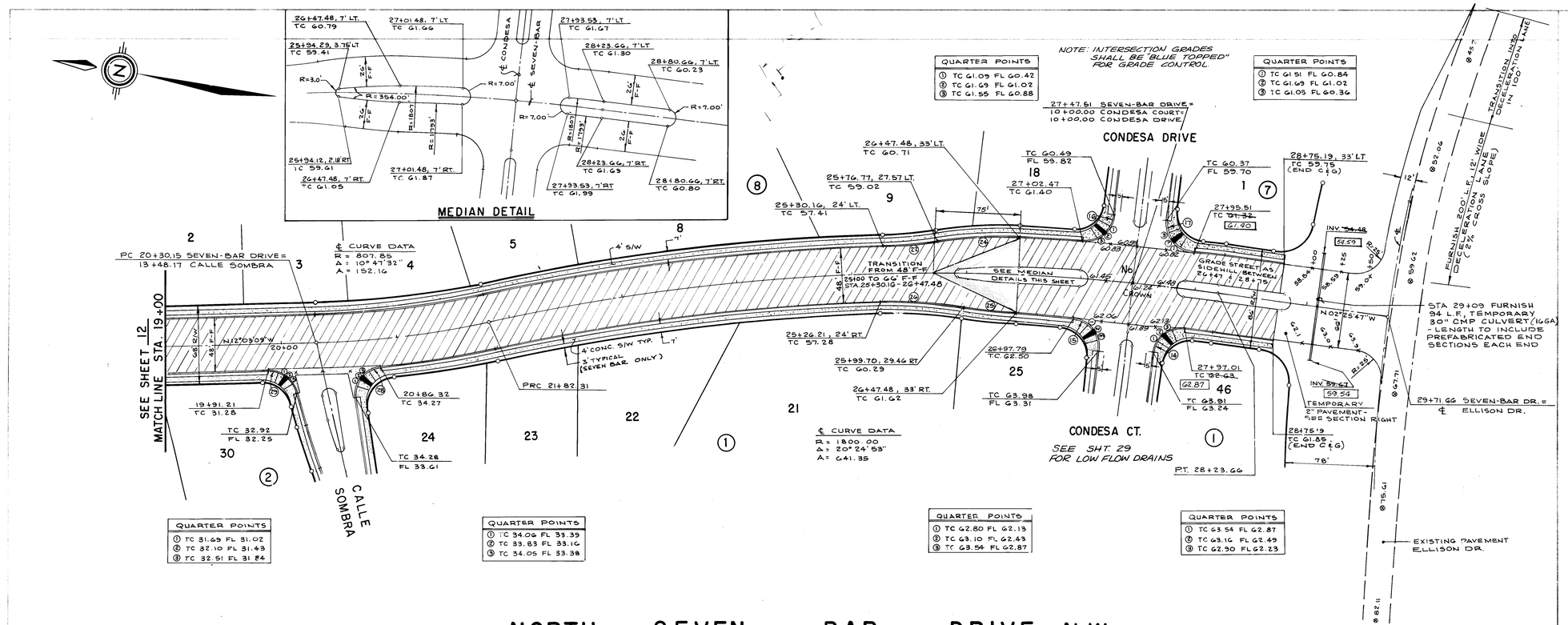
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE SALIDA DEL SOL - UNIT ONE - PAVING PLAN & PROFILE

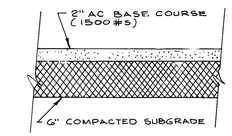
NORTH SEVEN BAR DRIVE, N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[signature]	8/21/84	Liquid Waste		
A.C.E. Design	[signature]	8/28/84	Traffic	[signature]	2/28/84
A.C.E. Hydrology	[signature]	2/28/84	Water	Res. NA	WFG 2-8-84

DRAWING NO. 1869 | MAP NO. A-13 | SHEET 11 OF 40



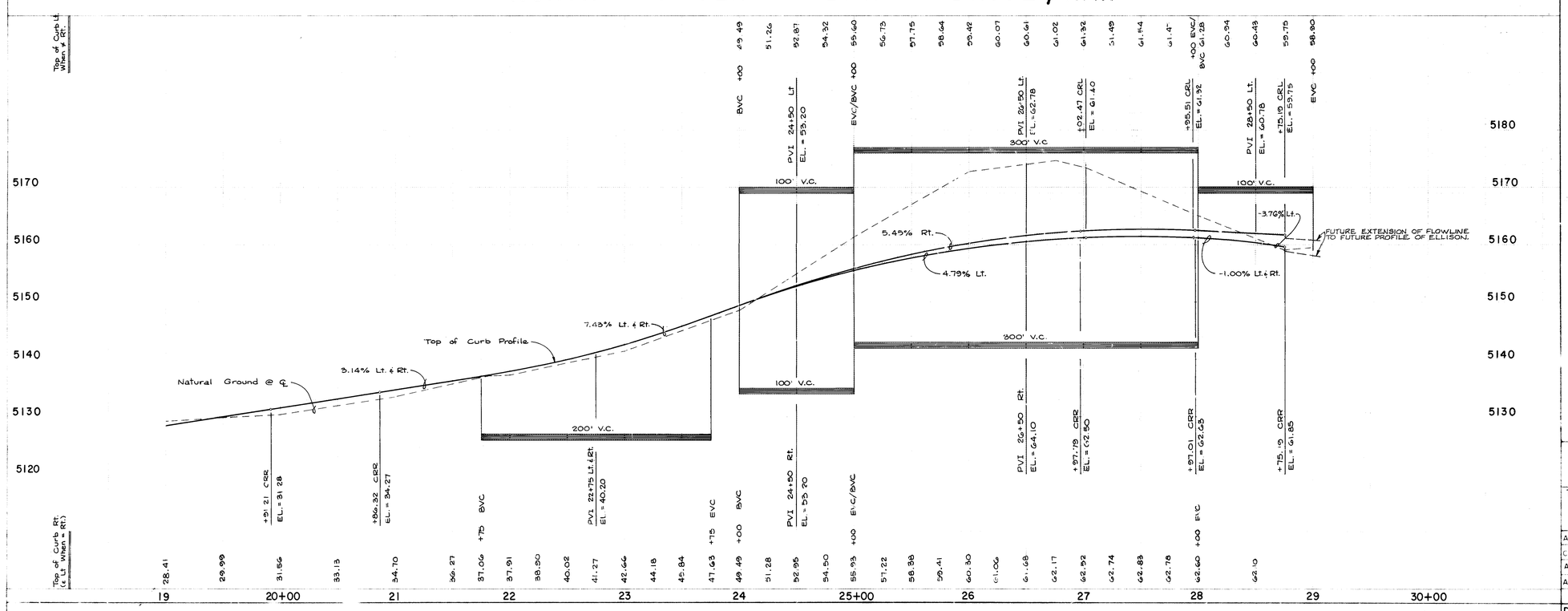
CURB CURVE DATA			
CURVE	RADIUS	ARC	DELTA
(14)	25.00	39.61	90°46'31"
(15)	25.00	40.34	92°27'25"
(16)	25.00	37.98	87°02'59"
(17)	25.00	39.26	89°59'19"
(23)	30.00	45.67	87°13'05"
(24)	380.00	72.21	10°53'14"
(25)	380.00	47.11	07°06'12"
(26)	380.00	72.71	10°57'48"
(28)	25.00	40.57	92°58'45"
(29)	25.00	34.21	78°23'58"



TEMPORARY PAVEMENT DETAILS

N.T.S.

NORTH SEVEN BAR DRIVE, N.W.



AS BUILT

KENT M. WHITMAN NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

11/4/95

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26 1 8 6 9 1 2 8 6

SCALE : 1" = 50' Horizontal
1" = 10' Vertical

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE SALIDA DEL SOL - UNIT ONE - PAVING PLAN & PROFILE

NORTH SEVEN BAR DRIVE, N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		3/2/94	Solid Waste		
A.C.E. Design		8/26/94	Traffic		
A.C.E. Hydrology		2/28/94	Water Res		7-8-94

DRAWING NO 1869 | MAP NO A-13 | SHEET 12 OF 40

BENCH MARKS

A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

SURVEY INFORMATION

FIELD NOTES

NO | BY | DATE

ENGINEER'S SEAL

KENT M. WHITMAN NEW MEXICO 6119 REGISTERED PROFESSIONAL ENGINEER

1/27/94

REMARKS

REVISIONS

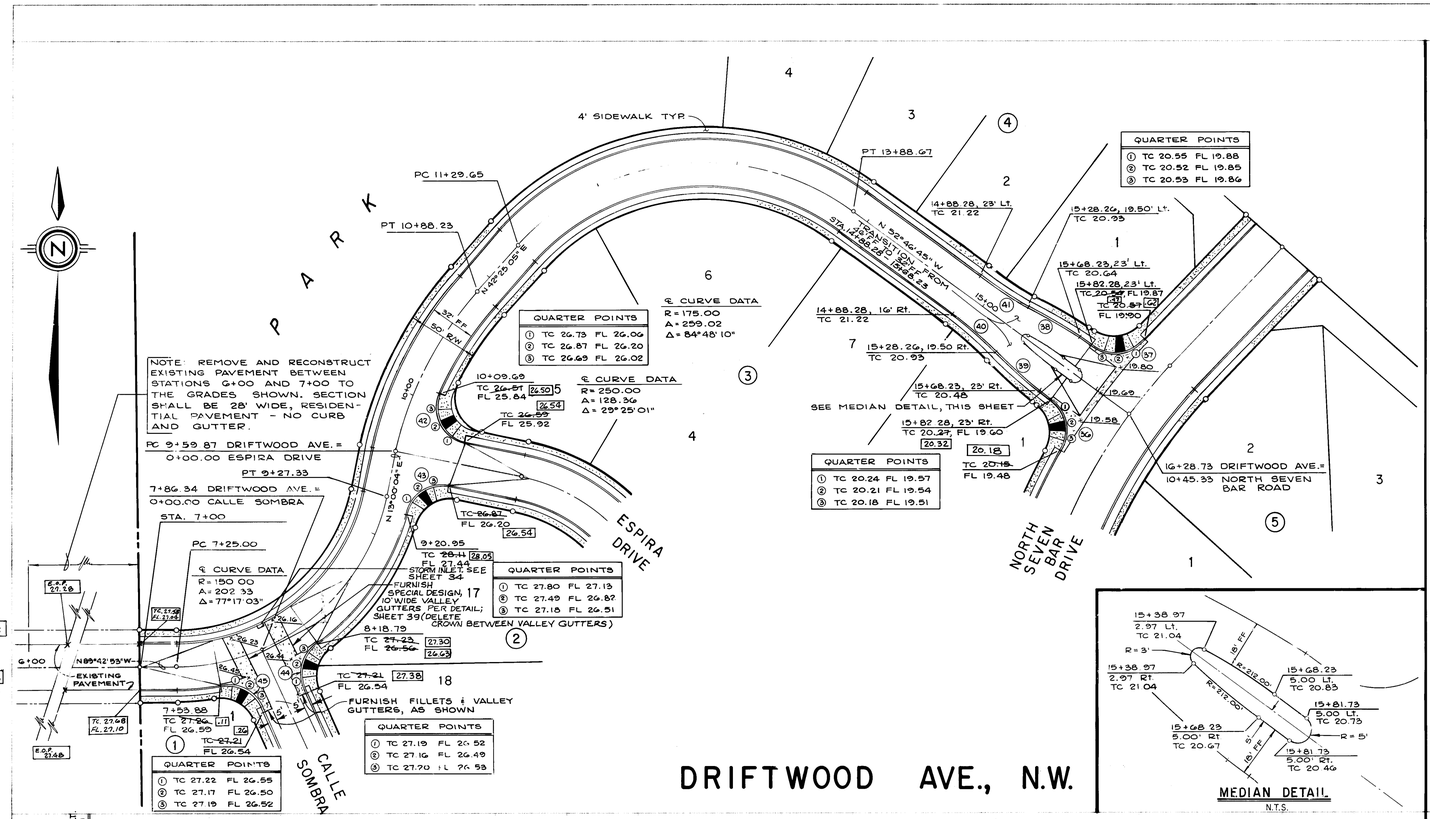
DESIGN KMW | DATE 10-83

DRAWN MKS, RDQ | DATE 10-83

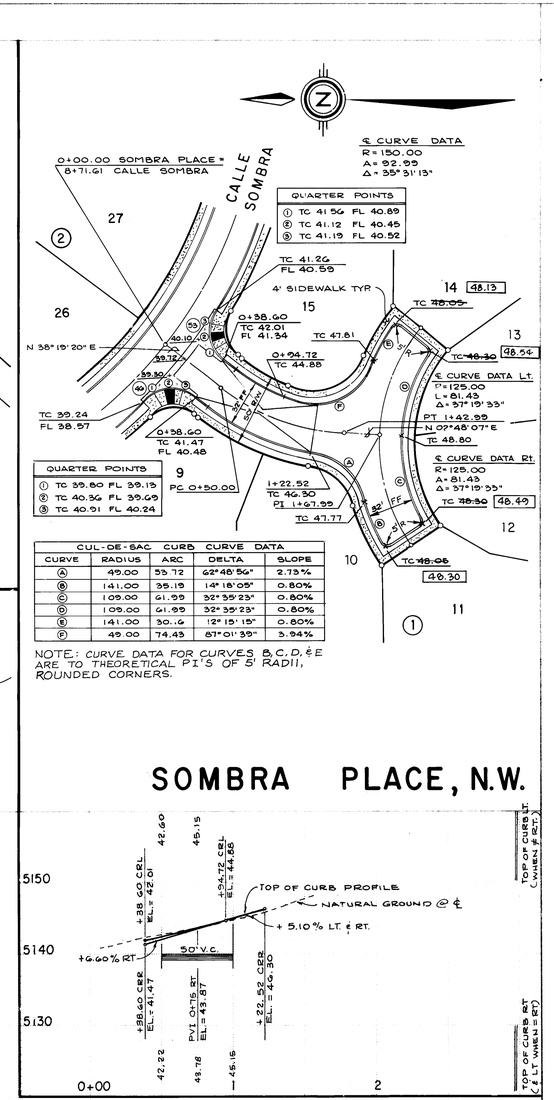
CHECKED | DATE

APPROVED | DATE

10/01



DRIFTWOOD AVE., N.W.

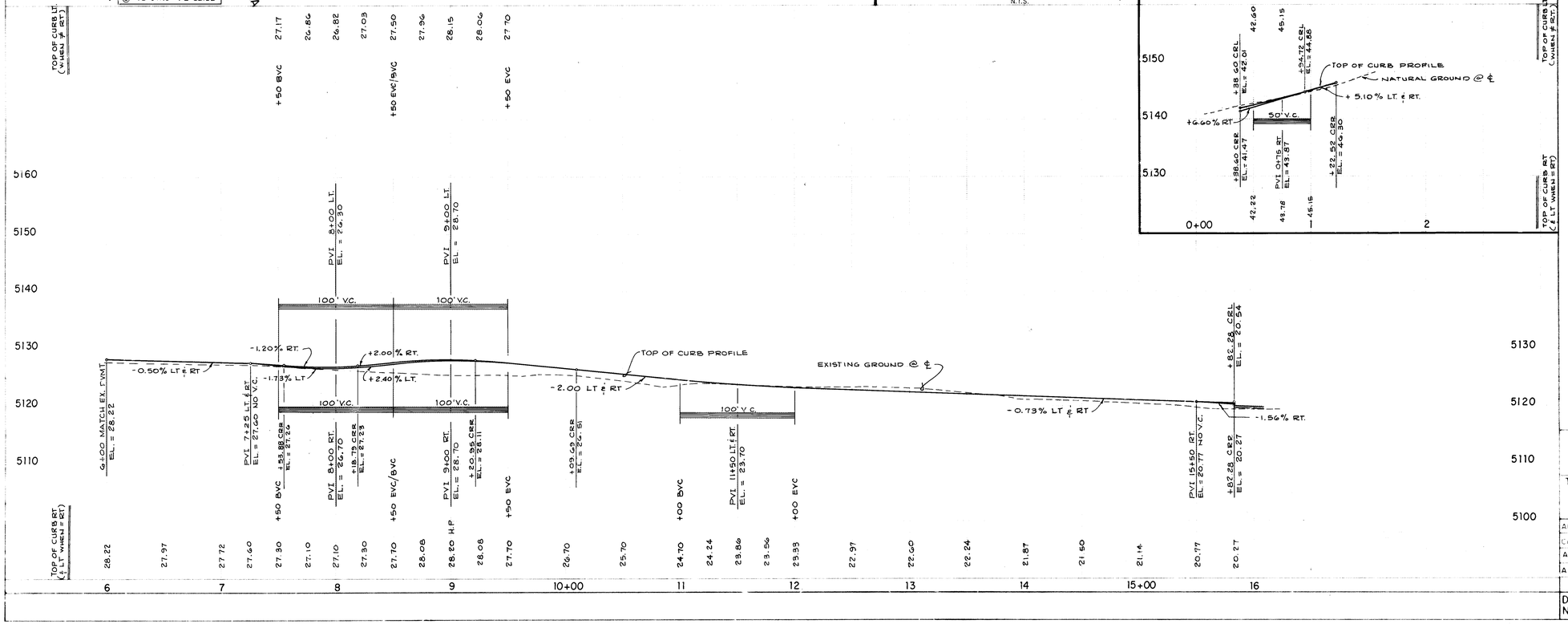


CUL-DE-SAC CURB CURVE DATA				
CURVE	RADIUS	ARC	DELTA	SLOPE
Ⓐ	49.00	53.72	62°48'56"	2.73%
Ⓑ	141.00	35.19	14°18'05"	0.80%
Ⓒ	109.00	61.99	32°35'23"	0.80%
Ⓓ	109.00	61.99	32°35'23"	0.80%
Ⓔ	141.00	30.16	12°15'15"	0.80%
Ⓕ	49.00	74.43	87°01'39"	3.94%

NOTE: CURVE DATA FOR CURVES B, C, D, & E ARE TO THEORETICAL PI'S OF 5' RADII, ROUNDED CORNERS.

SOMBRA PLACE, N.W.

CURB CURVE DATA			
CURVE	RADIUS	ARC	DELTA
36	25.00	36.61	83°54'40"
37	25.00	36.46	83°33'47"
38	230.00	40.18	10°00'30"
39	230.00	40.18	10°00'30"
40	230.00	40.18	10°00'30"
41	230.00	40.18	10°00'30"
42	25.00	44.46	101°53'27"
43	25.00	38.00	87°05'26"
44	25.00	33.86	77°36'16"
45	25.00	33.86	77°36'16"
46	25.00	36.34	83°17'31"
99	25.00	36.34	83°17'31"



AS BUILT

KENT M. WHITMAN
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
11/4/85

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SCALE: 1" = 50' Horizontal
1" = 10' Vertical

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE SALIDA DEL SOL - UNIT ONE - PAVING PLAN & PROFILE
DRIFTWOOD AVENUE, N.W.
SOMBRA PLACE, N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		3/4/86	Traffic		4/2/84
A.C.E. Design		8/26/84	Water Res.		2-3-84
A.C.E. Hydrology		2/22/84			

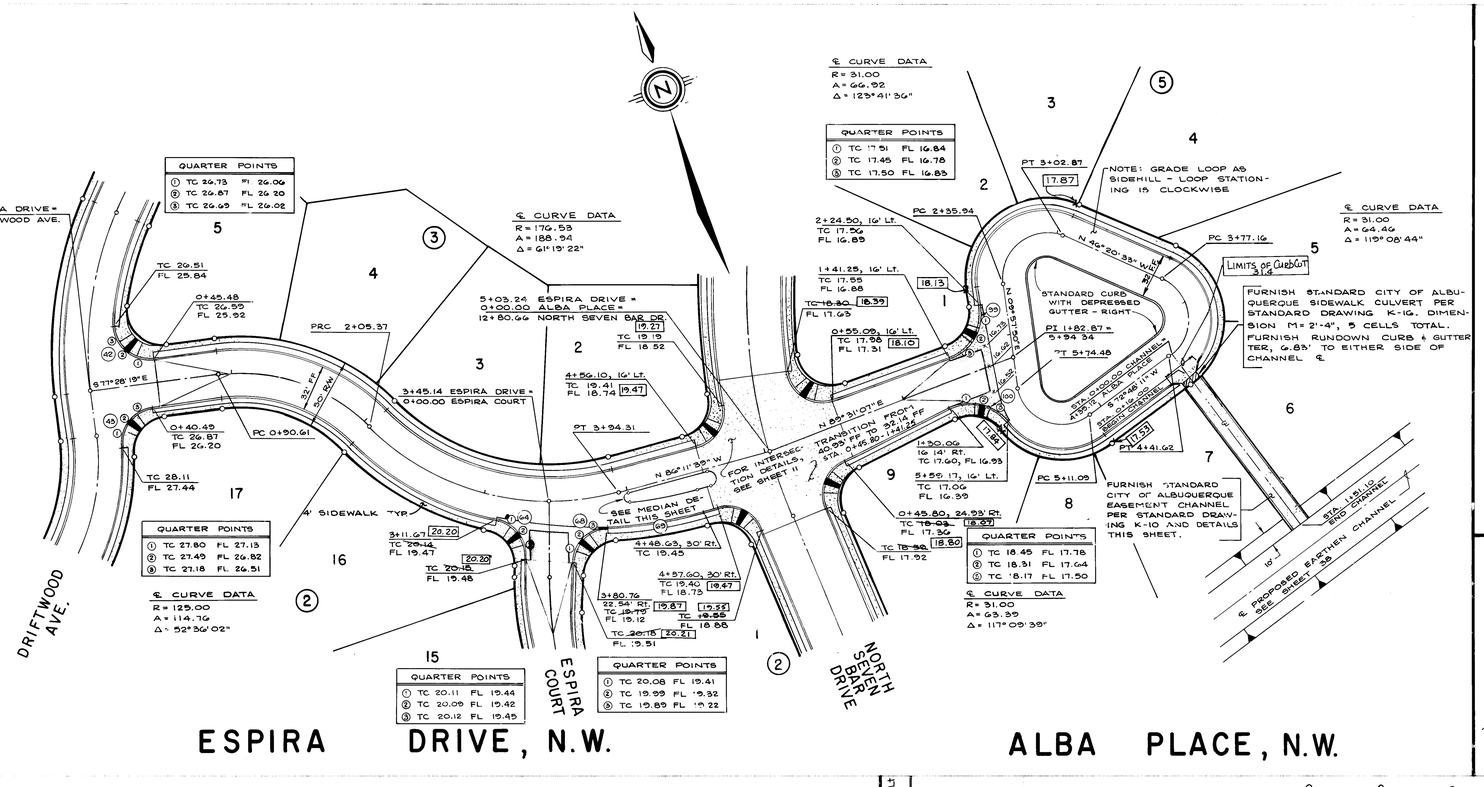
DRAWING NO 1869 | MAP NO A-13 | SHEET 13 OF 40

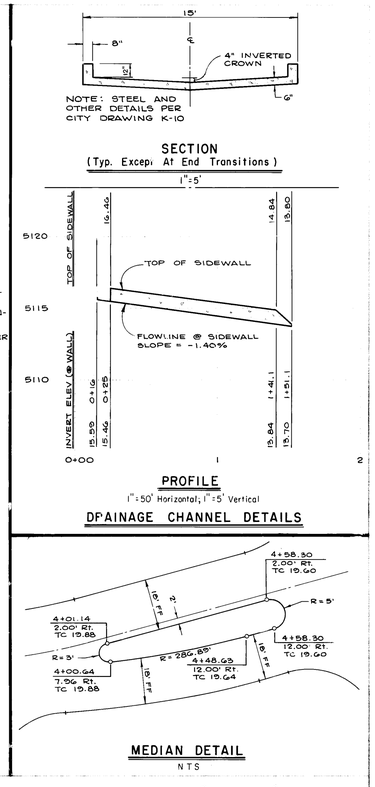
BENCH MARK
A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KENT E. WHITMAN
REGISTERED PROFESSIONAL ENGINEER
1/27/84

NO.	REMARKS	BY	DATE
	REVISIONS		
	DESIGN	KMW	10-83
	DRAWN	MKS, RDQ	11-83
			DATE

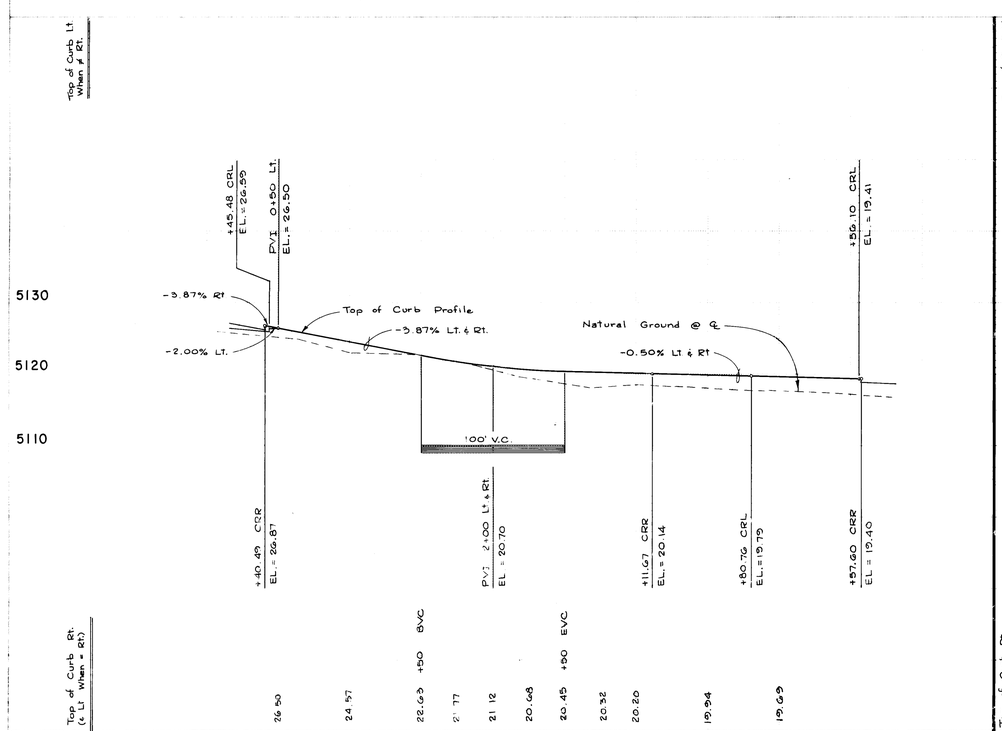


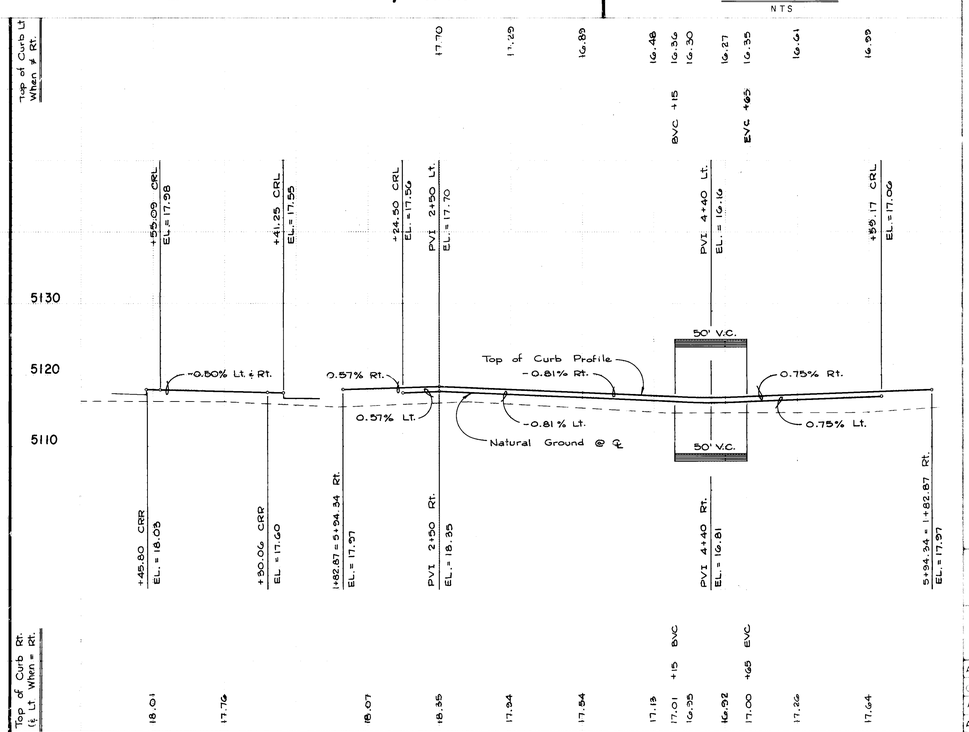


CURB CURVE DATA			
CURVE	RADIUS	ARC	DELTA
42	25.00	44.46	101°53'27"
43	25.00	38.00	87°05'26"
54	25.00	34.53	79°08'10"
46	25.00	38.06	87°14'08"
69	304.85	70.21	13°11'36"
99	34.00	47.21	79°33'17"
100	34.00	46.36	78°07'22"

BENCH MARKS

A SQUARE CHISELED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOWANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55





AS BUILT

Kurt M. Whitman
1/4/85

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ENGINEER'S SEAL

KURT M. WHITMAN — REGISTERED PROFESSIONAL ENGINEER — 1/27/84

NO	DATE	REVISIONS	BY
		DESIGN	KMW
		DRAWN	MKS
		DATE 10-83	
		DATE 11-83	
		DATE	

2- 1869 1786

SCALE : 1" = 50' Horizontal
1" = 10' Vertical

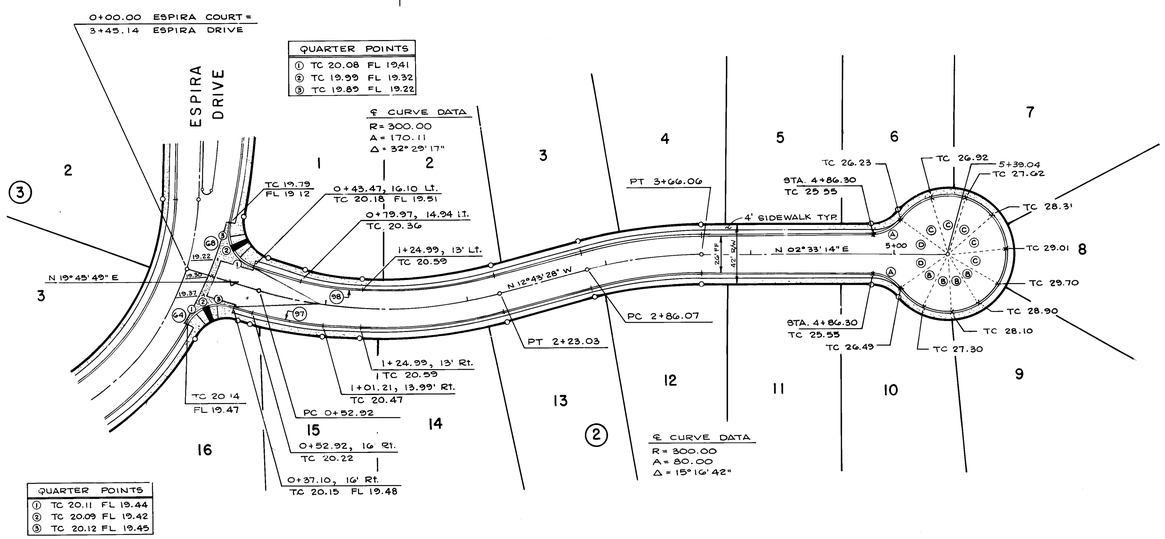
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE VALIDA DEL SOL-UNIT ONE-PAVING PLAN & PROFILE
ESPIRA DRIVE, N.W.
ALBA PLACE, N.W.

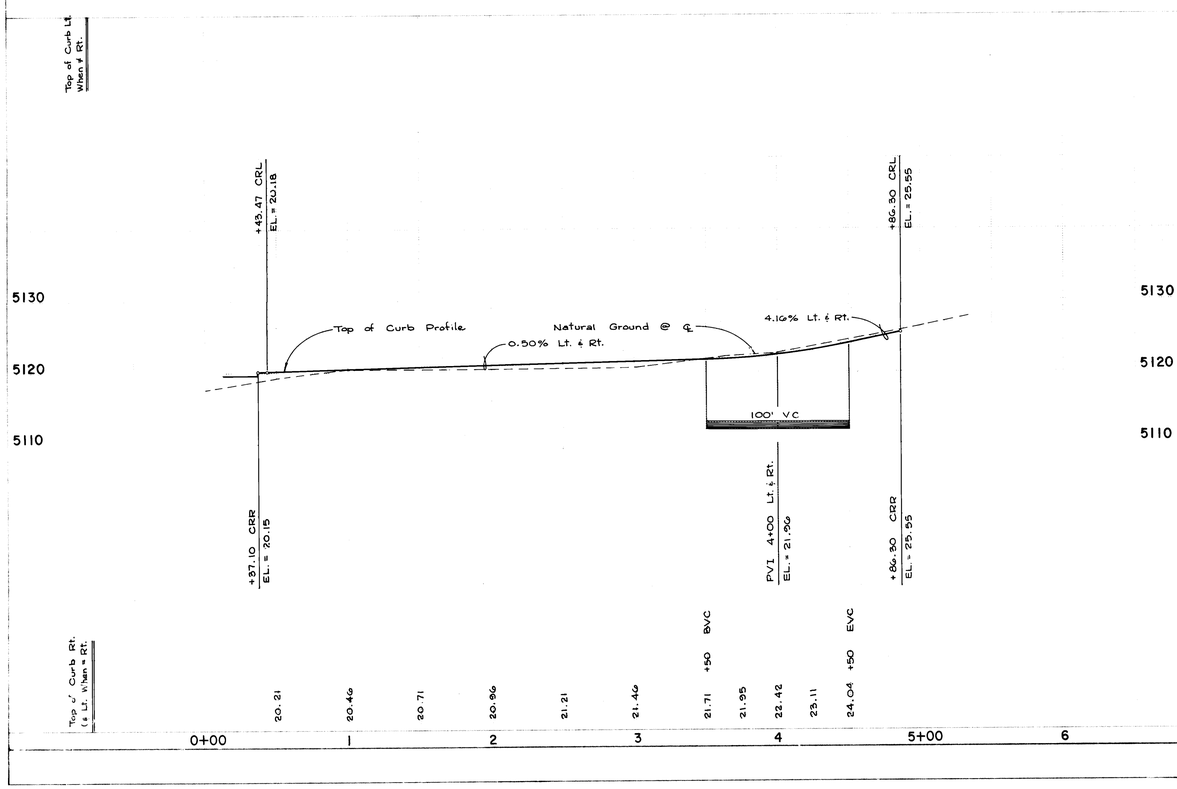
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C.H. Hopper	2/1/84	Traffic	T.W. Kennedy	2-6-84
A.C.E. Design	[illegible]	2/6/84	Water	RCS NA	WEG 2-8-84
A.C.E. Hydrology	[illegible]	2/28/84			

DRAWING NO 1869 | MAP NO A-13 | SHEET 14 OF 40

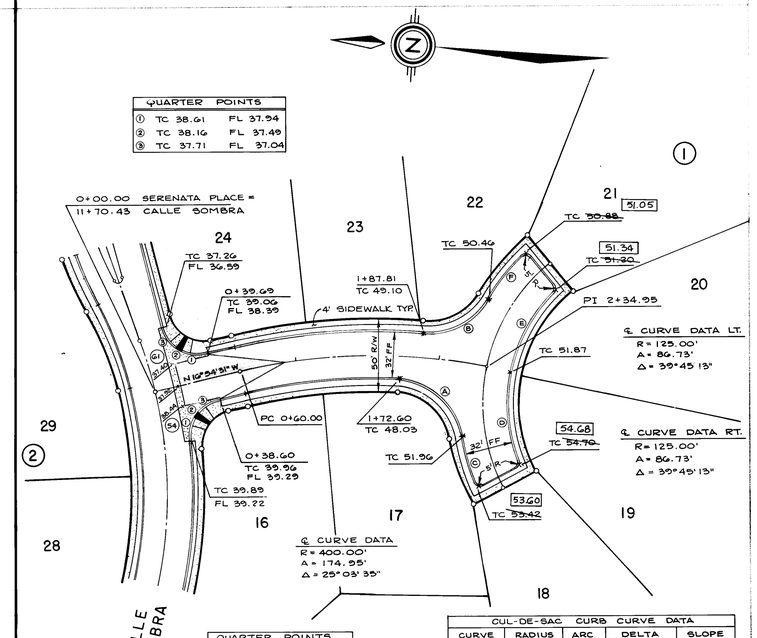
CUL-DE-SAC CURB CURVE DATA			
CURVE	RADIUS	ARC	DELTA
Ⓐ	25.00	23.66	54° 13' 27"
Ⓑ	40.00	20.08	28° 45' 45"
Ⓒ	40.00	24.21	34° 40' 42"
Ⓓ	—	—	35° 46' 33"



ESPIRA COURT



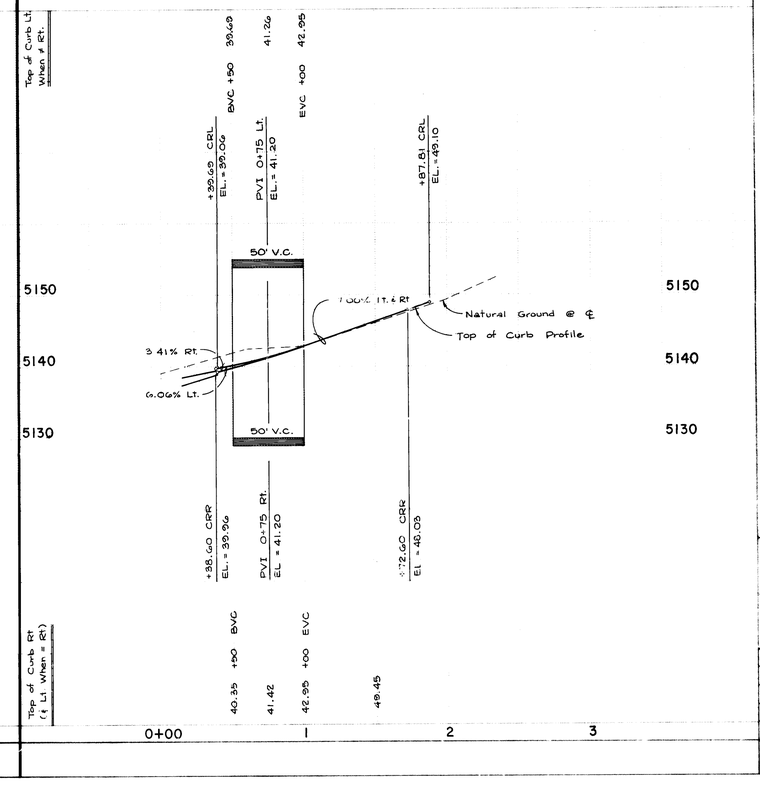
CURB CURVE DATA			
CURVE	RADIUS	ARC	DELTA
34	25.00	36.34	83° 17' 31"
61	25.00	38.35	87° 53' 36"
64	25.00	34.53	79° 08' 10"
66	25.00	38.06	87° 14' 08"
97	211.53	50.81	13° 45' 45"
98	179.11	43.03	13° 45' 45"



CUL-DE-SAC CURB CURVE DATA				
CURVE	RADIUS	ARC	DELTA	SLOPE
Ⓐ	49.00	66.38	77° 36' 59"	5.92%
Ⓑ	49.00	54.97	64° 16' 26"	2.47%
Ⓒ	141.00	36.37	14° 46' 48"	4.01%
Ⓓ	109.00	66.62	35° 01' 03"	4.25%
Ⓔ	109.00	66.62	35° 01' 03"	1.00%
Ⓕ	141.00	42.13	17° 07' 15"	1.00%

NOTE: CURVE DATA FOR CURVES C, D, E AND F ARE TO THEORETICAL PI'S OF 5' RADII, ROUNDED CORNERS.

SERENATA PLACE



AS BUILT

KENT M. WHITMAN
NEW MEXICO
REGISTERED
N.M. PLS

11/4/85

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26 1669 1586

SCALE : 1" = 50' Horizontal
1" = 10' Vertical

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE SALIDA DEL SOL UNIT ONE - PAVING PLAN & PROFILE
ESPIRA COURT
SERENATA PLACE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		3/2/84	~~Liquid Waste~~		
A.C.E. Design		3/2/84	Traffic		
A.C.E. Hydrology		2/28/84	Water	RDS NA	2-8-84

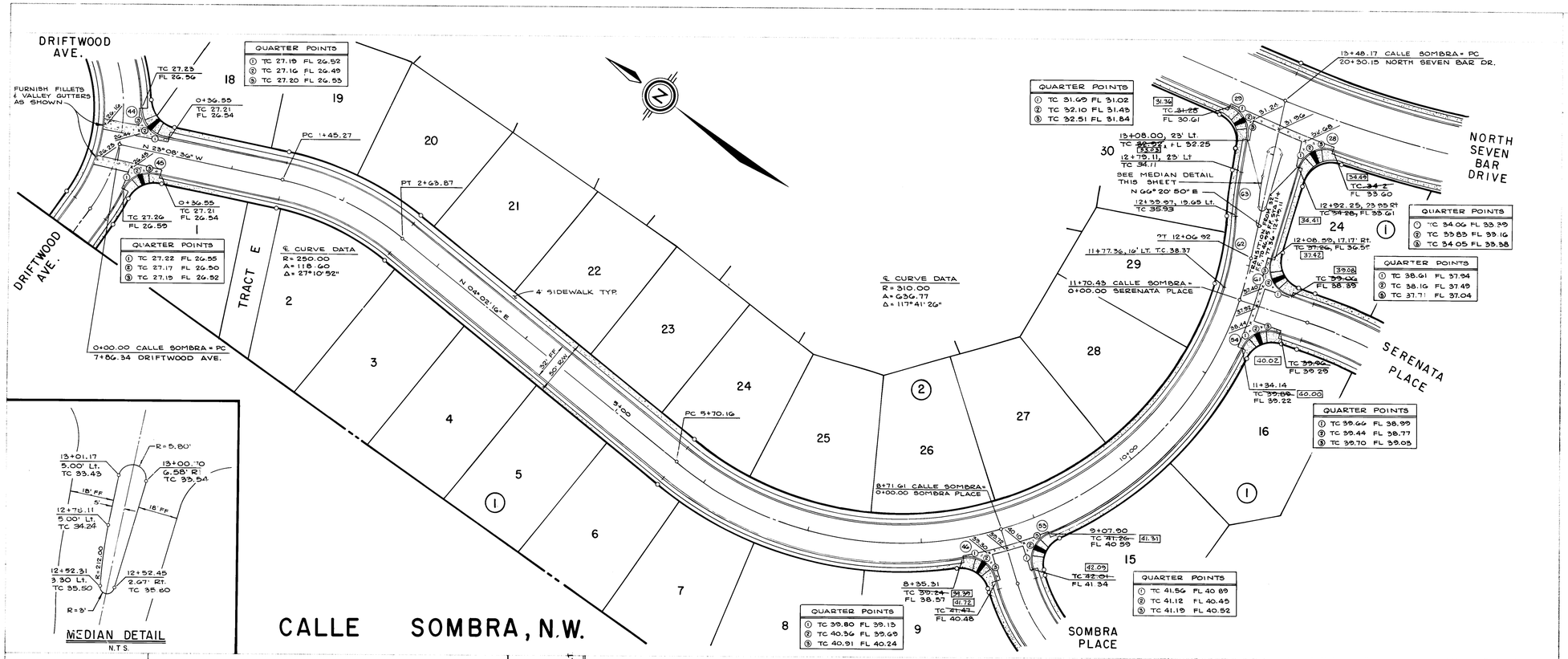
DRAWING NO 1869 | MAP NO A-13 | SHEET 15 OF 40

BENCH MARK
A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

SURVEY INFORMATION
NO. FIELD NOTES BY DATE

ENGINEER'S SEAL
LEE E. ELLIOTT
REGISTERED PROFESSIONAL ENGINEER
1/27/84

NO	REMARKS	BY	DATE
	REVISIONS		
	DESIGN		



CURB CURVE DATA			
CURVE	RADIUS	ARC	DELTA
28	25.00	40.57	92°58'45"
29	25.00	34.21	78°23'58"
44	25.00	33.86	77°56'16"
45	25.00	33.86	77°56'16"
46	25.00	36.34	83°17'31"
53	25.00	36.34	83°17'31"
54	25.00	36.34	83°17'31"
61	25.00	38.35	87°53'36"
62	230.00	61.27	15°15'46"
63	230.00	39.33	09°47'51"

BENCH MARKS

A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

SURVEY INFORMATION

NO. DATE

ENGINEER'S SEAL

KENT M. WHITMAN NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 7919

1/27/84

NO.	REMARKS	BY	DATE
	REVISIONS		
	DESIGN	KMW	10-83
		MKS, RDQ	DATE
			DATE

AS BUILT

KENT M. WHITMAN NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 7919

11/4/85

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26 1867686

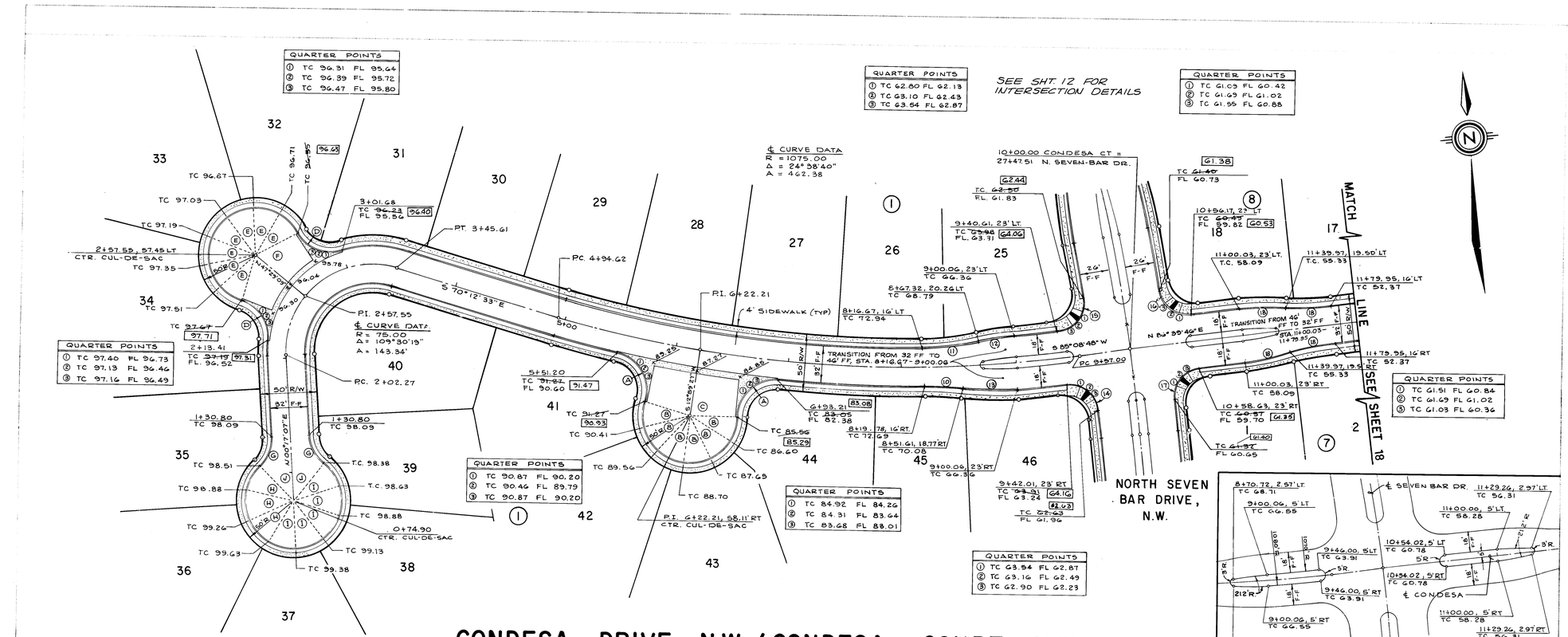
SCALE 1" = 50' Horizontal
1" = 10' Vertical

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE SALIDA DEL SOL-UNIT ONE-PAVING PLAN & PROFILE
CALLE SOMBRA, N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		2/21/84	Traffic		2/21/84
A.C.E. Design		8-16-84	Water Res		2-8-84
A.C.E. Hydrology		2/28/84			

DRAWING NO 1869 | MAP NO A-13 | SHEET 16 OF 40



CUL-DE-SAC CURB CURVE DATA			
CURVE	RADIUS	ARC	DELTA
Ⓐ	34.00	55.97	94°18'54"
Ⓑ	41.00	23.40	32°42'10"
Ⓒ	—	—	81°53'30"
Ⓓ	34.00	46.64	78°36'01"
Ⓔ	41.00	22.96	32°05'23"
Ⓕ	—	—	67°41'04"
Ⓖ	34.00	28.60	48°11'23"
Ⓗ	41.00	25.61	35°47'03"
Ⓘ	41.00	24.19	33°48'26"
Ⓙ	—	—	41°48'37"

CURB CURVE DATA			
CURVE	RADIUS	ARC	DELTA
⑩	230.00	32.49	08°05'34"
⑪	230.00	50.06	12°28'18"
⑫	230.00	32.22	08°01'39"
⑬	230.00	49.66	12°22'17"
⑭	25.00	39.61	90°46'35"
⑮	25.00	40.34	92°37'25"
⑯	25.00	37.98	87°02'59"
⑰	25.00	39.26	89°58'19"
⑱	230.00	40.18	10°00'30"

BENCH MARKS

A SQUARE CHISELED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

AS BUILT

11/4/85

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26 1869 1 7 8 6

SCALE : 1" = 50' Horizontal
1" = 10' Vertical

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

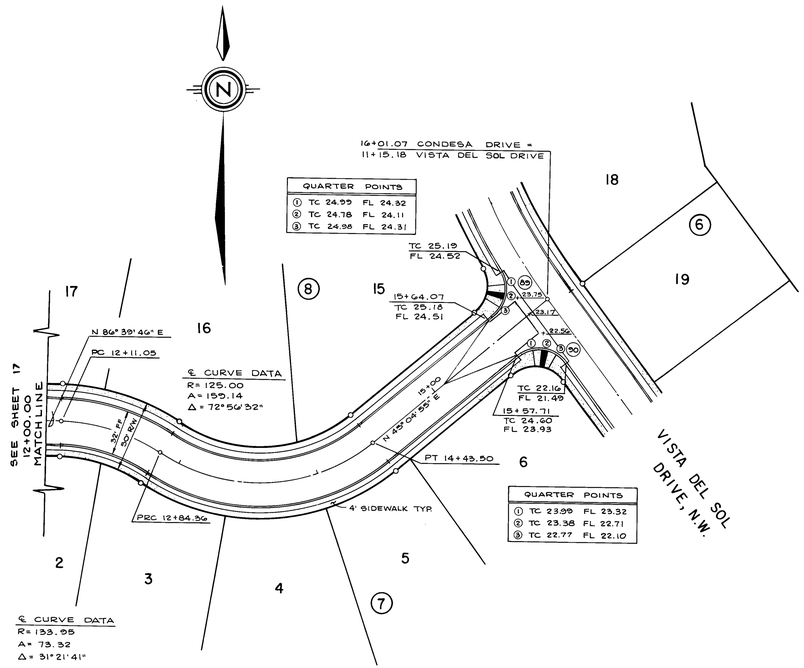
TITLE SALIDA DEL SOL-UNIT TWO-PAVING PLAN & PROFILE
CONDESA COURT N.W./CONDESA DRIVE N.W.

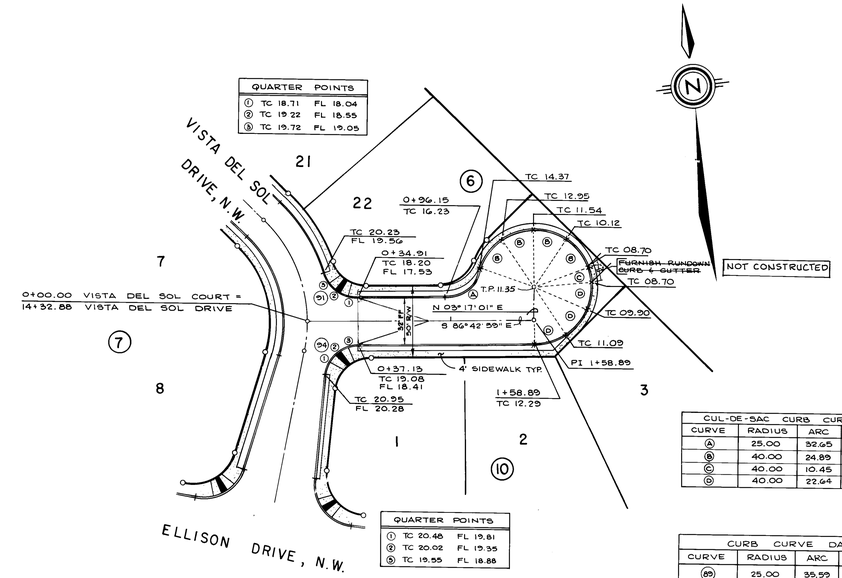
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design		8/24/84	Traff.		
A.C.E. Hydrology		2/28/84	Water		2-8-84

DRAWING NO	MAP NO	SHEET	OF
1869	A-13	17	40

ENGINEER'S SEAL
1/27/86

NO	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	KMW
			RDQ

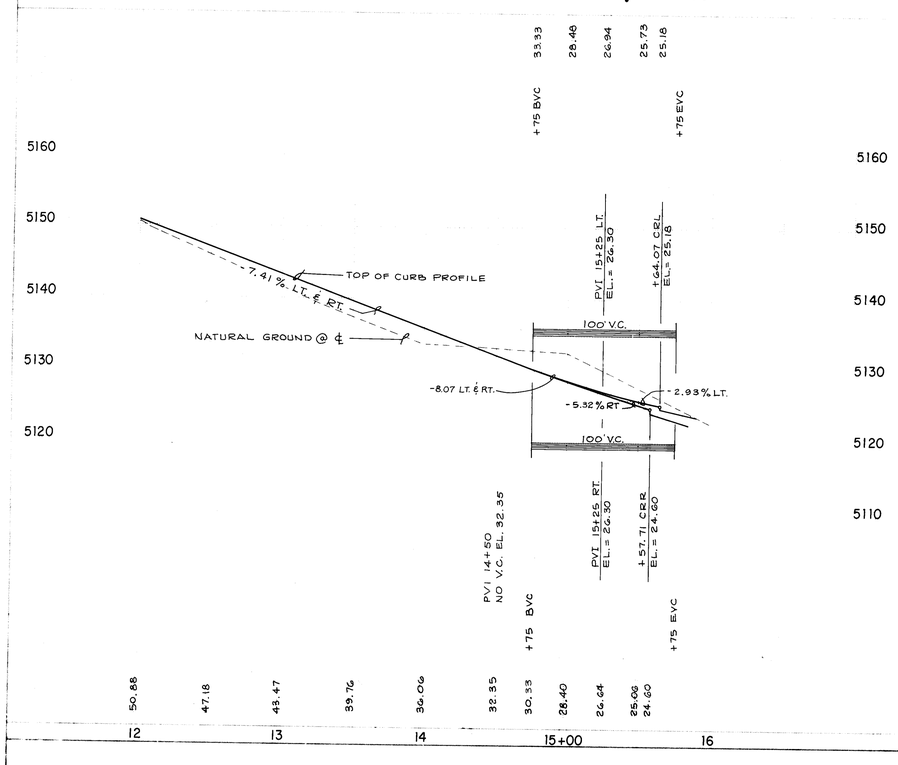




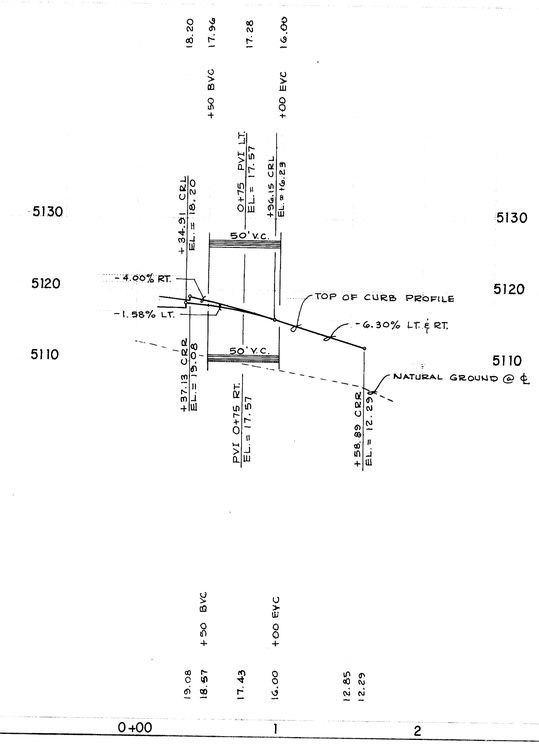
CUL-DE-SAC CURB CURVE DATA			
CURVE	RADIUS	ARC	DELTA
Ⓐ	25.00	32.65	74°50'19"
Ⓑ	40.00	24.89	35°39'21"
Ⓒ	40.00	10.45	14°58'17"
Ⓓ	40.00	22.64	32°25'46"

CURB CURVE DATA			
CURVE	RADIUS	ARC	DELTA
89	25.00	35.59	81°54'00"
90	25.00	40.66	93°11'25"
91	25.00	31.89	73°05'43"
94	25.00	36.32	83°14'14"

CONDESA DRIVE, N.W.



VISTA DEL SOL COURT, N.W.



BENCH MARK

A SQUARE CHISELED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

INFORMATION
FIELD NOTES
BK
PG

SURVEY
NO

ENGINEER'S SEAL

KENT M. WHITMAN
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
11/27/84

AS BUILT

KENT M. WHITMAN
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
11/4/85

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	BY	DATE
REMARKS		
REVISIONS		DATE 10-85
		DATE 11-85
DESIGN	KMW	DATE
	MKS	

26 1867 1886

SCALE : 1" = 50' Horizontal
1" = 10' Vertical

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE SALIDA DEL SOL - UNIT TWO - PAVING PLAN & PROFILE
CONDESA DRIVE, N.W.
VISTA DEL SOL COURT, N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	8/1/84			
A.C.E. Design	[illegible]	8/20/84	Traffic	[illegible]	2/15/84
A.C.E. Hydrology	[illegible]	2/22/84	Water	[illegible]	2-8-84

DRAWING NO	MAP NO	SHEET	OF
1869	A-13	18	40

1869

CUL-DE-SAC CURB CURVE DATA			
CURVE	RADIUS	ARC	DELTA
(A)	34.00	44.16	74°24'35"
(B)	41.00	22.97	32°05'50"
(C)	——	——	83°42'29"

QUARTER POINTS
(1) TC 13.45 FL 12.78
(2) TC 13.28 FL 12.61
(3) TC 13.28 FL 12.61

QUARTER POINTS
(1) TC 12.77 FL 12.10
(2) TC 12.82 FL 12.15
(3) TC 12.88 FL 12.21

QUARTER POINTS
(1) TC 22.89 FL 22.22
(2) TC 22.36 FL 21.69
(3) TC 21.83 FL 21.16

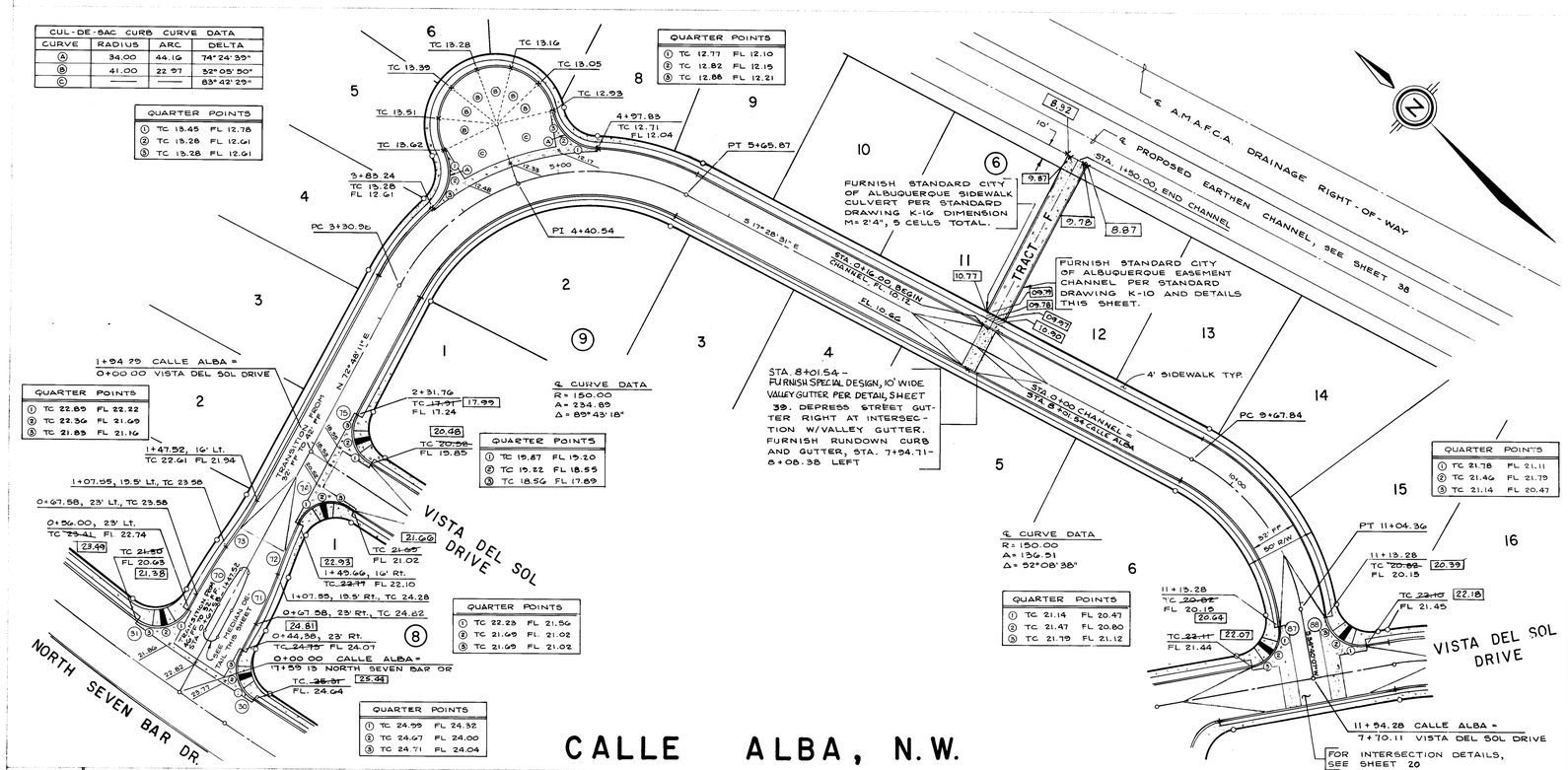
QUARTER POINTS
(1) TC 19.87 FL 19.20
(2) TC 19.22 FL 18.55
(3) TC 18.56 FL 17.89

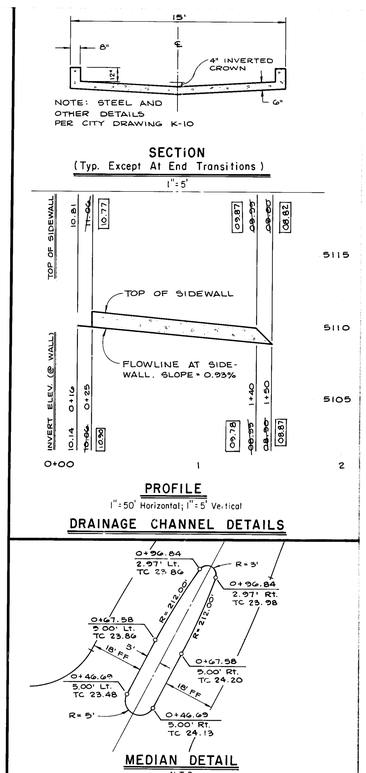
QUARTER POINTS
(1) TC 21.78 FL 21.11
(2) TC 21.46 FL 21.79
(3) TC 21.14 FL 20.47

QUARTER POINTS
(1) TC 22.23 FL 21.56
(2) TC 21.69 FL 21.02
(3) TC 21.69 FL 21.02

QUARTER POINTS
(1) TC 21.14 FL 20.47
(2) TC 21.47 FL 20.80
(3) TC 21.79 FL 21.12

QUARTER POINTS
(1) TC 24.99 FL 24.32
(2) TC 24.67 FL 24.00
(3) TC 24.71 FL 24.04

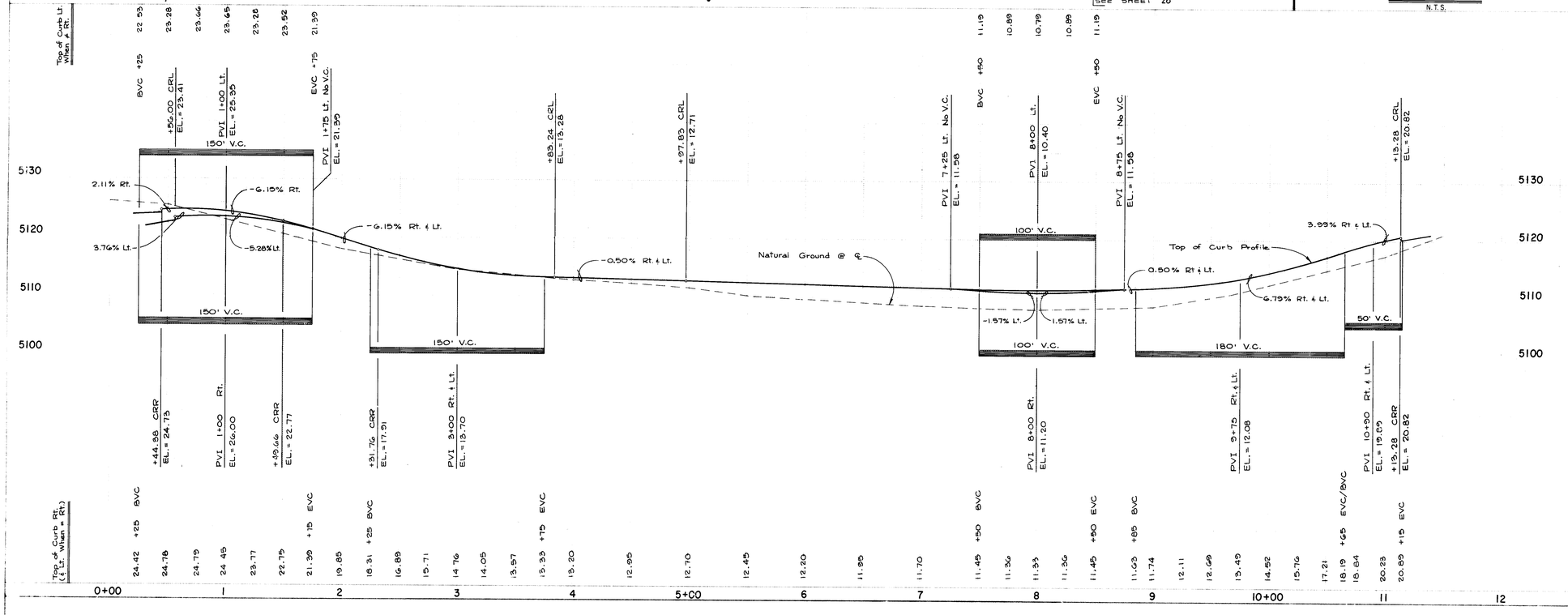




CURB CURVE DATA			
CURVE	RADIUS	ARC	DELTA
(50)	25.00	37.03	84°51'20"
(51)	25.00	43.16	98°54'15"
(70)	230.00	40.18	10°00'50"
(71)	230.00	40.18	10°00'50"
(72)	230.00	42.52	10°32'32"
(73)	230.00	40.18	10°00'50"
(74)	25.00	41.28	94°56'38"
(75)	25.00	37.03	84°51'20"
(87)	25.00	39.27	90°00'00"
(88)	25.00	39.27	90°00'00"

BENCH MARK

A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55



AS BUILT

NOTE: THIS CERTIFICATION IS INTENDED TO INDICATE THAT IN THE ENGINEER'S OPINION THIS CONSTRUCTION IS IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN AS SHOWN (OR AS ANNOTATED WITH UPDATED FIELD GRADES WHERE INDICATED). IT IS NOT A VERIFICATION OF CONTRACT COMPLIANCE IN THE LEVEL OF DETAIL ASSOCIATED WITH FULL CONSTRUCTION INSPECTION OF THE PROJECT.

11/4/85

26 1867 1986

SCALE: 1" = 50' Horizontal
1" = 10' Vertical

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE SALIDA DEL SOL-UNIT TWO PAVING PLAN & PROFILE
CALLE ALBA, N.W.

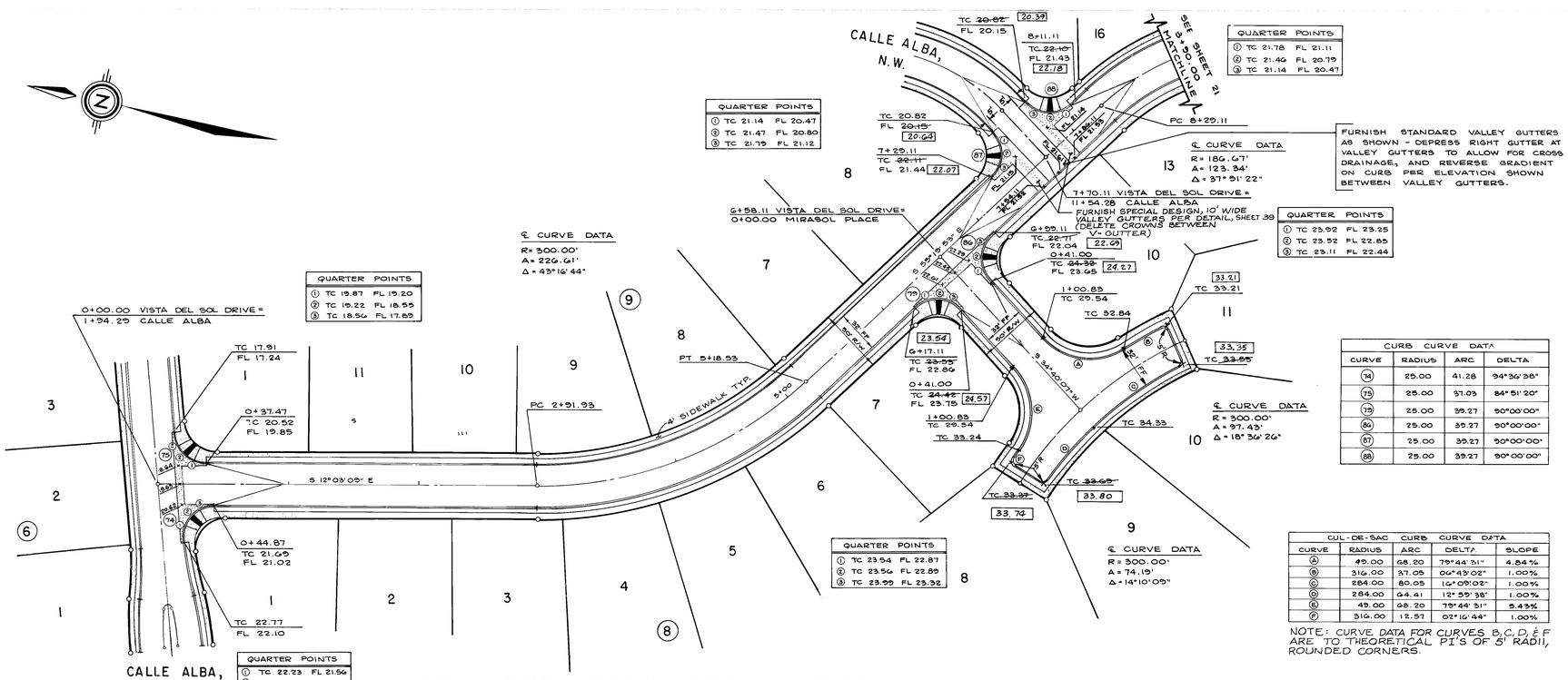
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer					
A.C.E. Design		8-8-84	Traffic		
A.C.E. Hydrology		2-8-84	Water Res	NA	2-8-84

SURVEY INFORMATION
FIELD NOTES
NO BY DATE

ENGINEER'S SEAL
1/27/84

REMARKS	BY	DATE
REVISIONS	KTW	10-85
DESIGN	MKB	11-85

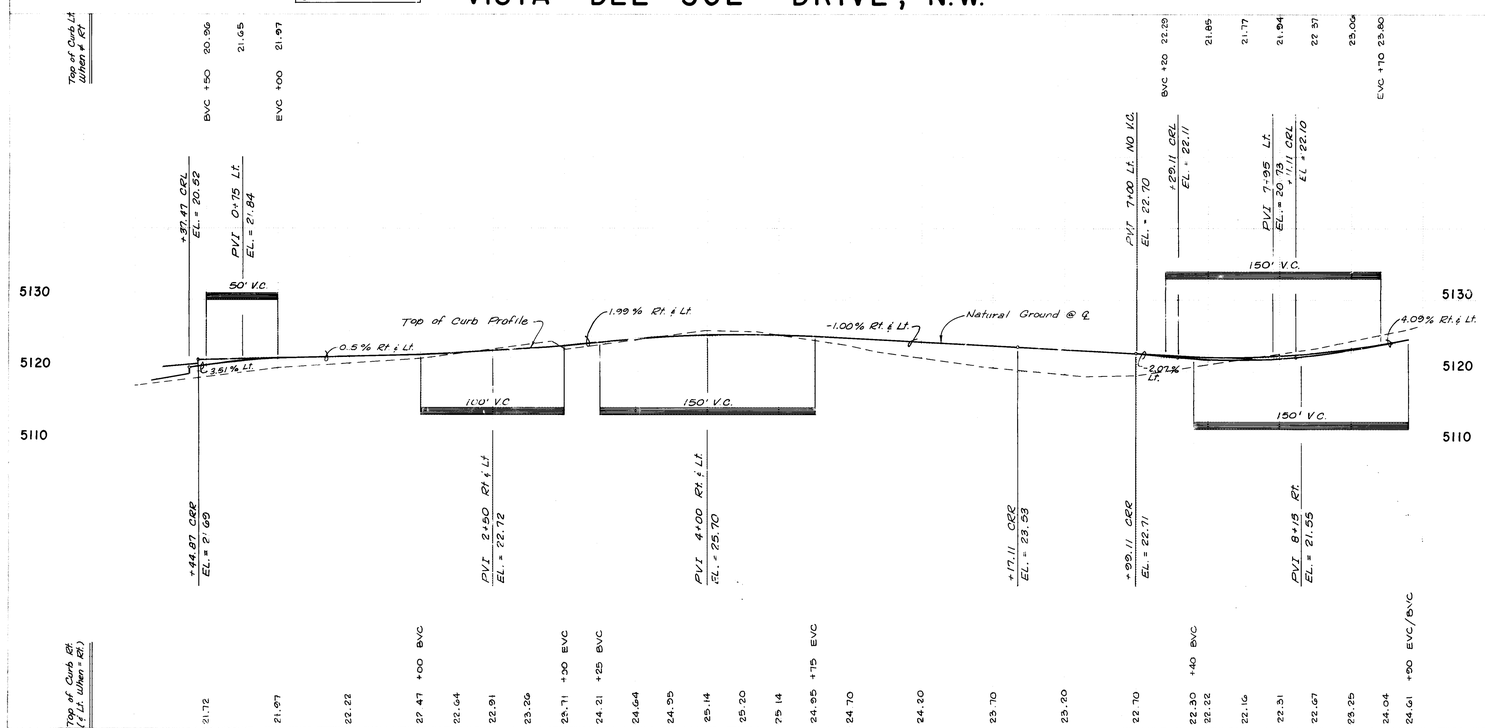
DRAWING NO 1869 | MAP NO A-13 | SHEET 19 OF 40

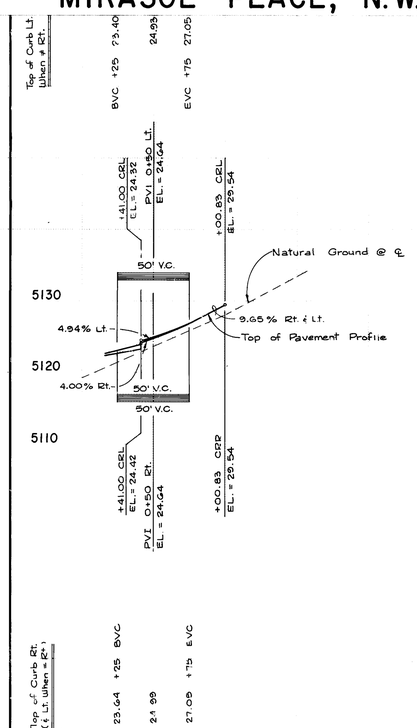


CURB CURVE DATA			
CURVE	RADIUS	ARC	DELTA
74	25.00	41.28	94°36'38"
75	25.00	37.03	84°51'20"
79	25.00	39.27	90°00'00"
86	25.00	39.27	90°00'00"
87	25.00	39.27	90°00'00"
88	25.00	39.27	90°00'00"

CUL-DE-SAC CURB CURVE DATA				
CURVE	RADIUS	ARC	DELTA	SLOPE
Ⓐ	49.00	68.20	79°44'51"	4.84%
Ⓑ	316.00	37.05	06°43'02"	1.00%
Ⓒ	284.00	80.05	16°09'02"	1.00%
Ⓓ	284.00	64.41	12°59'38"	1.00%
Ⓔ	49.00	68.20	79°44'51"	5.43%
Ⓕ	316.00	12.57	02°16'44"	1.00%

NOTE: CURVE DATA FOR CURVES B, C, D, E & F ARE TO THEORETICAL PI'S OF 5' RADII, ROUNDED CORNERS.





BENCH MARK

A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205", ELEVATION = 5110.55

SURVEY CONTROL

NO

ENGINEER'S SEAL

LEE A. WALTMAN NEW MEXICO PROFESSIONAL ENGINEER REGISTERED PROFESSIONAL ENGINEER 11/27/84

AS BUILT

KARL M. OTTO WALTMAN NEW MEXICO PROFESSIONAL ENGINEER 11/4/85

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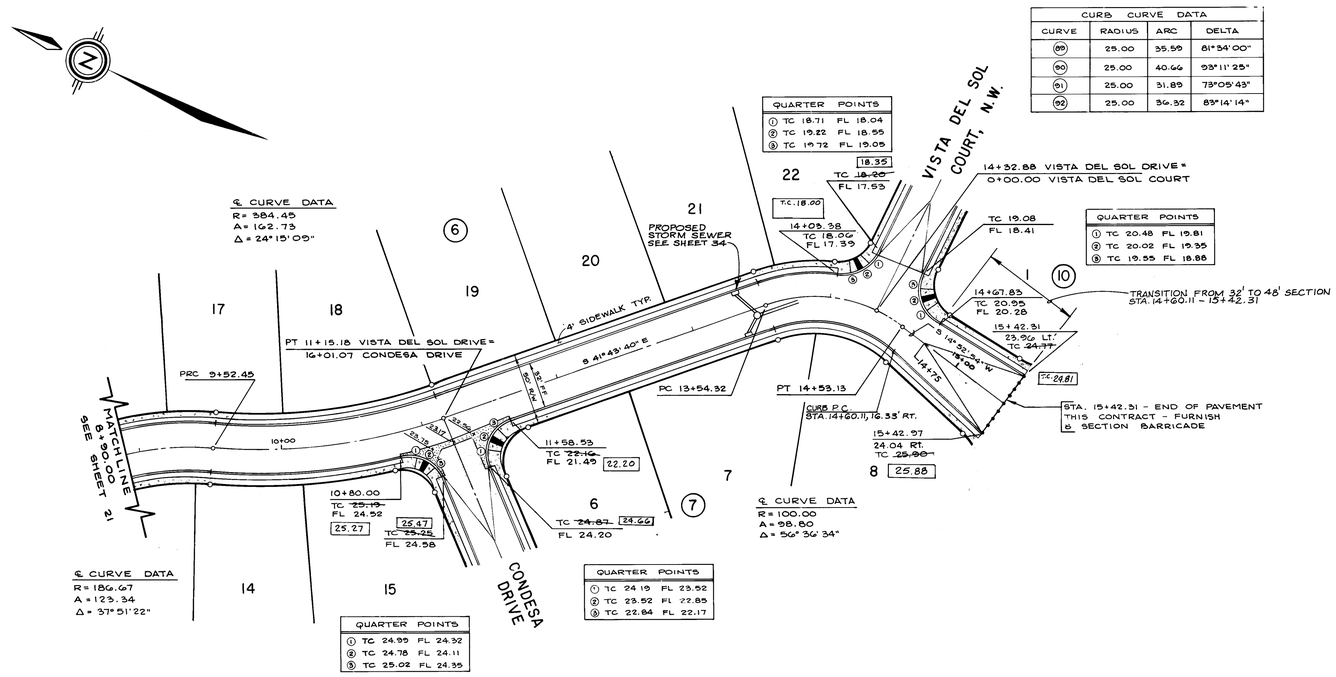
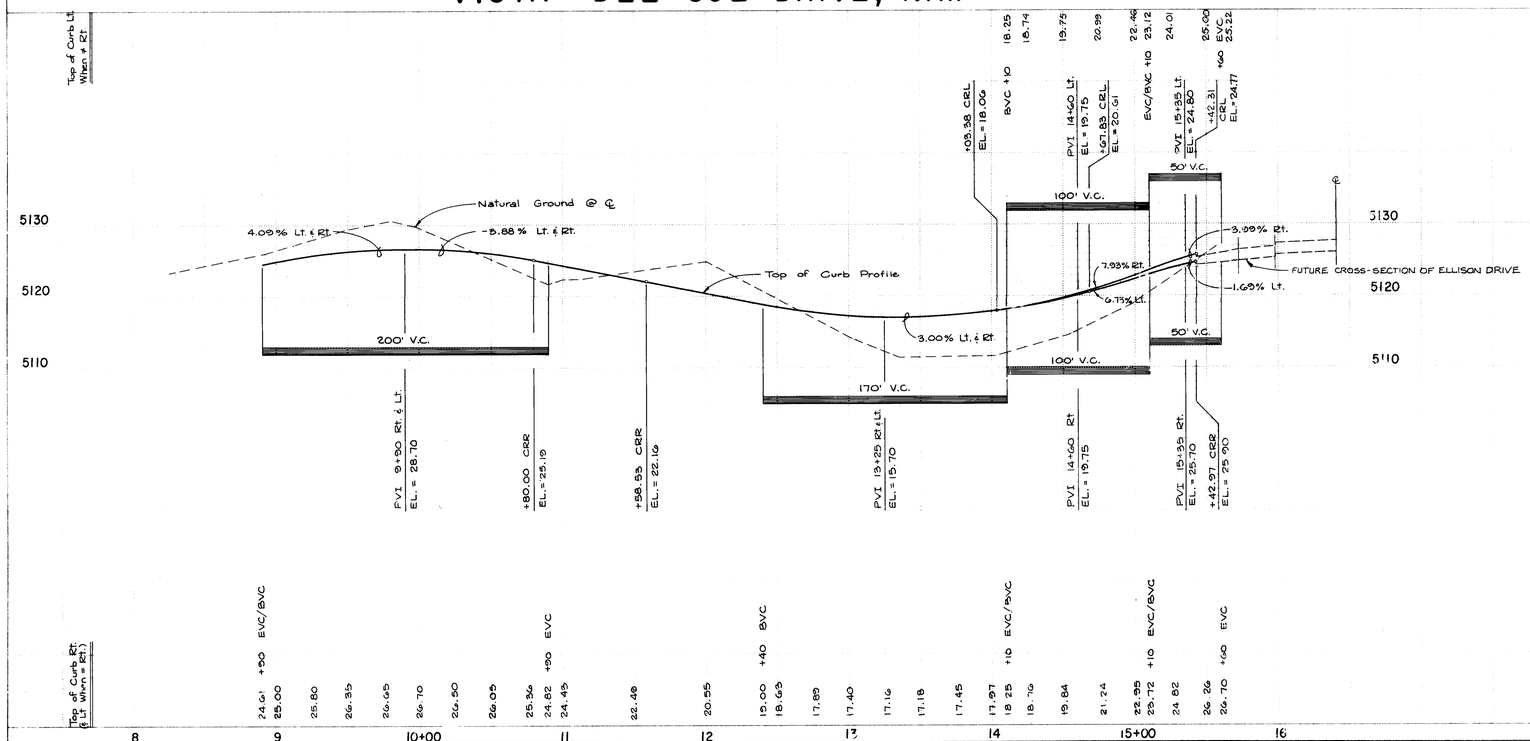
REVISIONS	BY	DATE



VISTA DEL SOL DRIVE, N.W.



AS BUILT INFORMATION

MILAR FILM INFORMATION

BENCH MARKS

A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205", ELEVATION = 5110.55

SURVEY INFORMATION

FIELD NOTES

NO BK DATE

ENGINEER'S SEAL

KENT W. WHITMAN REGISTERED PROFESSIONAL ENGINEER 1/27/84

AS BUILT

KENT W. WHITMAN REGISTERED PROFESSIONAL ENGINEER 11/4/85

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26 186 12 186

SCALE : 1" = 50' Horizontal
1" = 10' Vertical

REVISIONS

NO	DATE	REMARKS	BY
		DESIGN	
	10-83	KMW	
	11-83	MKS	
	11-85	KMW	

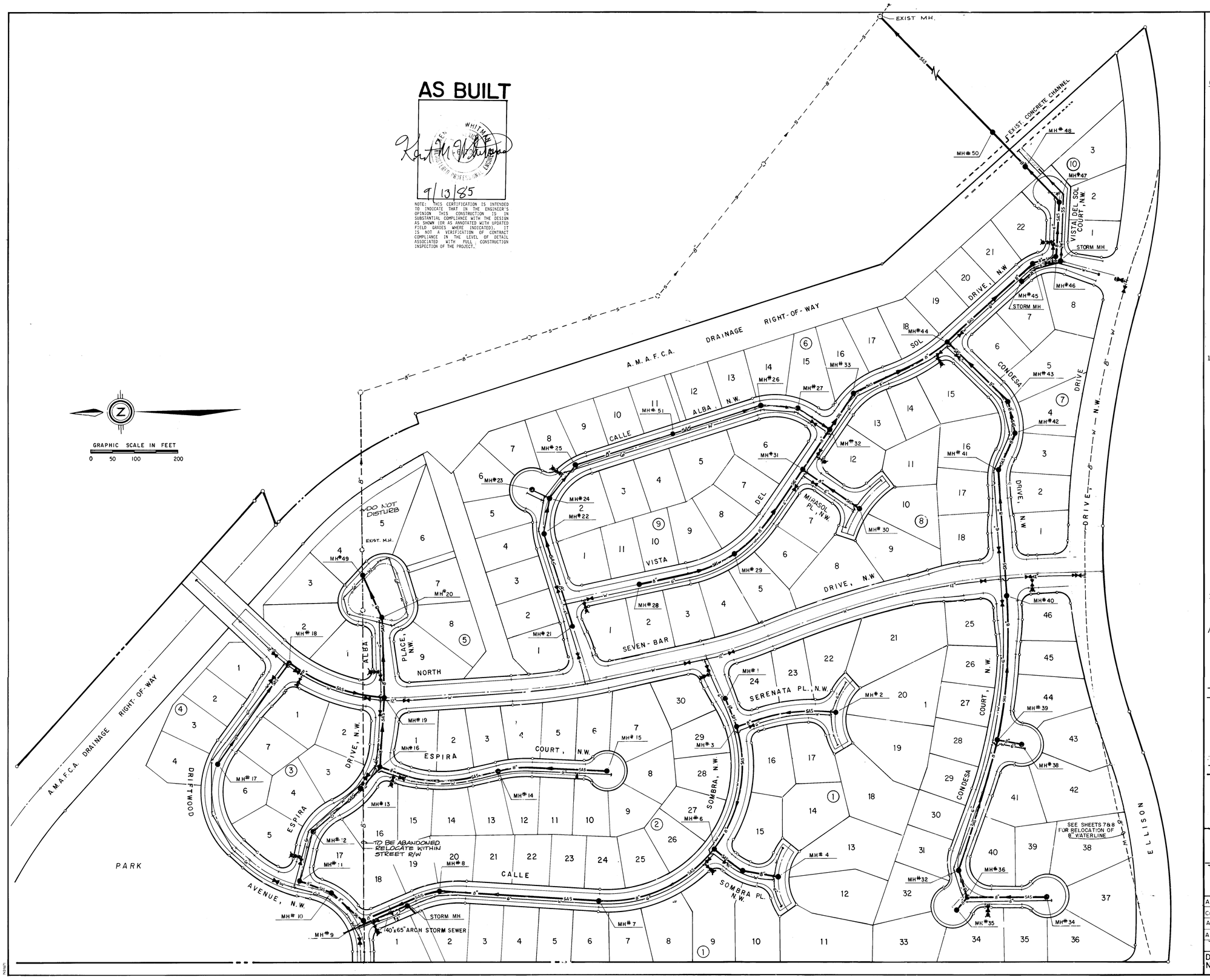
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE SALIDA DEL SOL - UNIT TWO - PAVING PLAN & PROFILE

VISTA DEL SOL DRIVE, N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		3/21/84	Land Water		
A.C.E. - Design		8 Feb 84	Traffic		
A.C.E. - Hydrology		2/21/84	Water		

DRAWING NO 1869 | MAP NO A-13 | SHEET 21 OF 40



GENERAL NOTES - ALL UTILITY SHEETS

1) The Contractor shall furnish ELDs on all Water & Sewer service stubs, caps and plugs.

2) All stationing refers to street centerline.

3) Contractor shall field verify locations and elevations of all existing pipe & utilities prior to construction.

4) Water services shall be 1" diameter type K copper tubing. Class 160, with 3/4" meters.

5) All tees, bends and caps shall be blocked according to City of Albuquerque Standards.

6) All pipe shall be furnished with class "C" bedding unless otherwise noted.

7) Where gate valves and hydrants are shown at intersections, these shall be located opposite curb return indicated.

8) All trench backfill shall be compacted to a minimum of 90% of optimum (Modified).

9) Water pipe shall be P.V.C. Class 150 AWWA C900. Sewer Pipe shall be P.V.C. Class SDR35.

10) The following lots will require sewer services furnished with standard City of Albuquerque risers per drawing #5-7

Lot	Riser Height (ft.)
B2 L27	3'
B2 L28	4'
B6 L15	8'
B6 L16	14'
B6 L17	17'
B6 L18	16'
B6 L19	13'
B6 L20	9'
B6 L21	9'
B7 L6	10'
B7 L7	9'
B7 L8	8'
B8 L13	14'
B8 L14	15'
B8 L15	14'
B9 L6	5'
B10 L1	9'
B10 L2	4'
B10 L3	4'

In addition the contractor shall note that services for Block 10, Lots 1, 2 & 3, and Block 7, Lot 8 shall pass beneath the 24" R.C.P. storm sewer.

11) All PVC Watermain fittings shall be "Grip-Tight" push-on type fittings - AWWA approved for PVC, C900 Watermain.

12. All waterlines and sanitary sewer lines belong to the New Mexico Utility Company not the City of Albuquerque

LEGEND

- EXISTING WATER LINE
- PROPOSED WATER LINE
- PROPOSED GATE VALVE
- PROPOSED FIRE HYDRANT
- TEE
- CROSS
- BEND
- CAP OR PLUG
- EXISTING SANITARY SEWER LINE
- PROPOSED SANITARY SEWER LINE
- EXISTING MANHOLE
- PROPOSED MANHOLE
- DIRECTION OF FLOW

26 1869 2286

AS BUILT INFORMATION

CONTRACTOR	DATE
WORK STAKED BY	
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
RECORDED BY	DATE
NO.	

BENCH MARKS

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

1/27/84

NO.	DATE	REMARKS	BY
		REVISIONS	

		DATE
DESIGN		
DESIGNED BY	K.M.W.	11-83
DRAWN BY	W.J.W.	11-83
CHECKED BY	K.M.W.	11-83

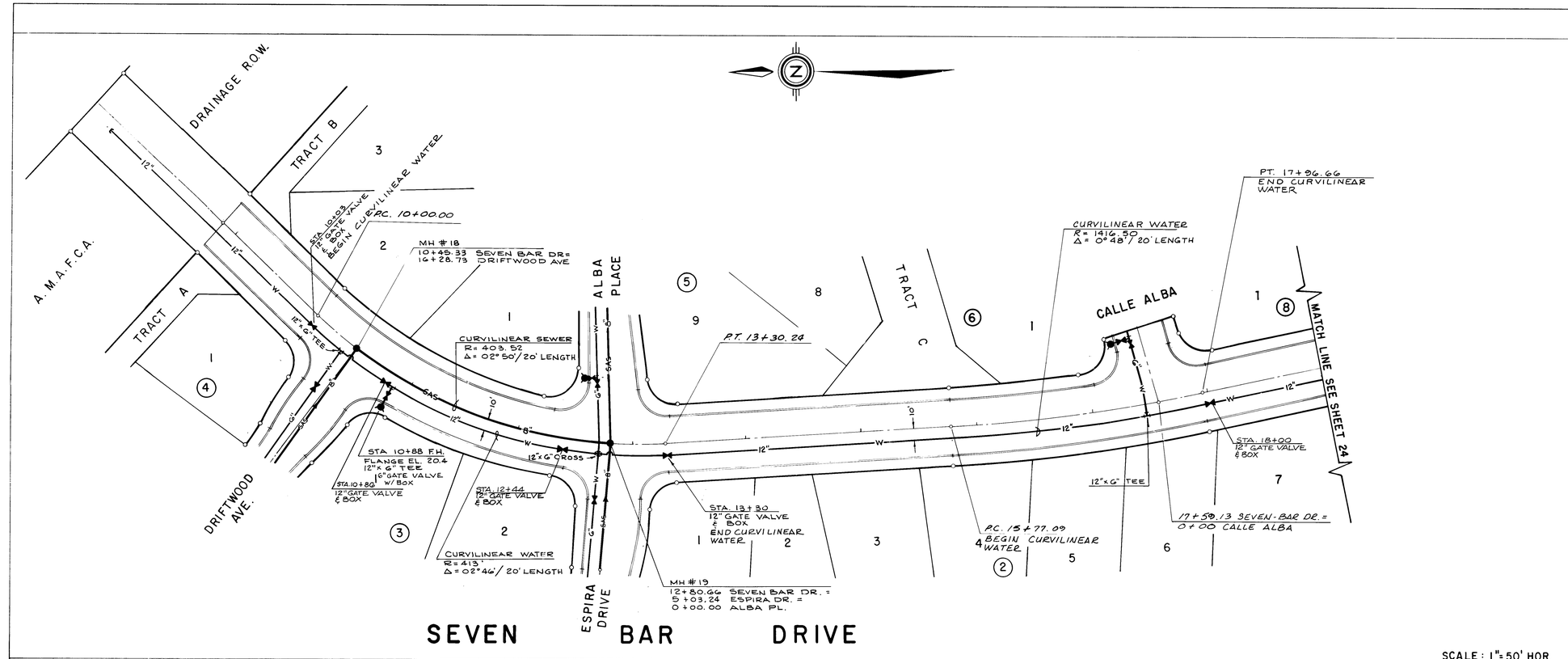
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

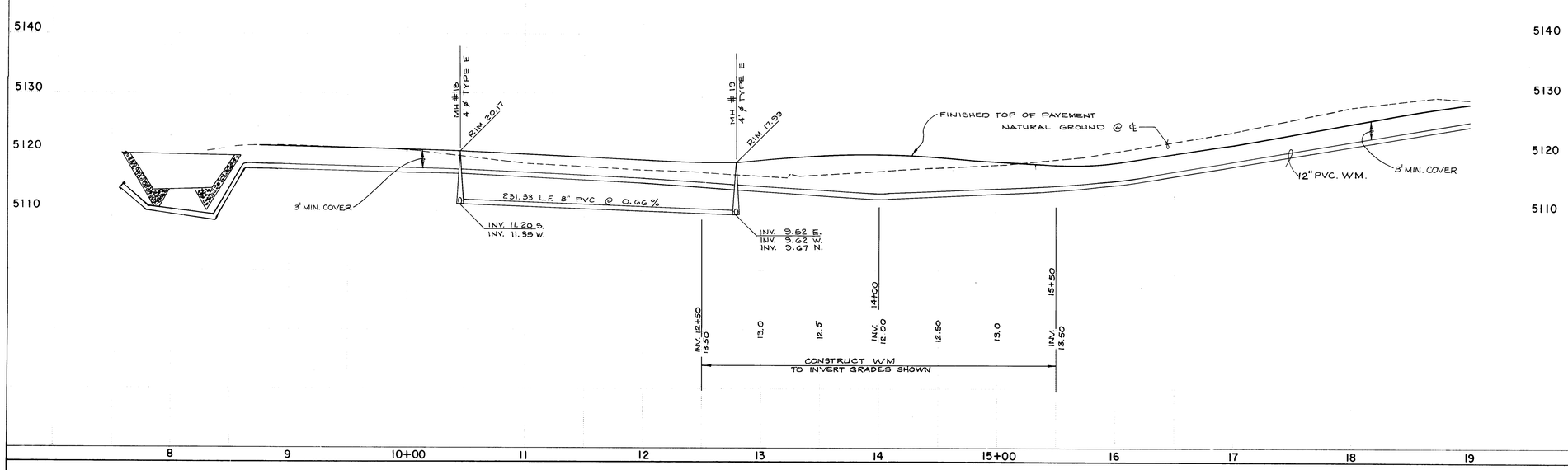
TITLE: SALIDA DEL SOL - UNITS ONE & TWO

COMPOSITE SANITARY SEWER & WATER PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C.A. Lungwitz	3/5/84	Liquid Waste		
A.C.E. - Design	G. Kelleck	8/4/84	Traffic	NA	2/28/84
A.C.E. - Hydrology	N/A	2/28/84	Water	Kas	2-8-84

DRAWING NO. 1869 | MAP NO. A-13 | SHEET 22 OF 40





AS BUILT

9/13/85

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Note:
The waterline and sanitary sewerline are to belong to New Mexico Utility Company Systems, NOT City of Albuquerque.

26 186 7238.0

AS BUILT INFORMATION

DATE
DATE
DATE
DATE
MICRO FILM INFORMATION
DATE
MICROFILMED BY
NO.

BENCH MARKS

A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

SURVEY INFORMATION

NO	FIELD NOTES BY	DATE

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER 6170 — 1/27/84

REVISIONS

NO	DATE	REMARKS	BY

DESIGNED BY K.M.W. DATE 11-83
DRAWN BY M.K.S., W.J.W. DATE 11-83
CHECKED BY K.M.W. DATE 11-83

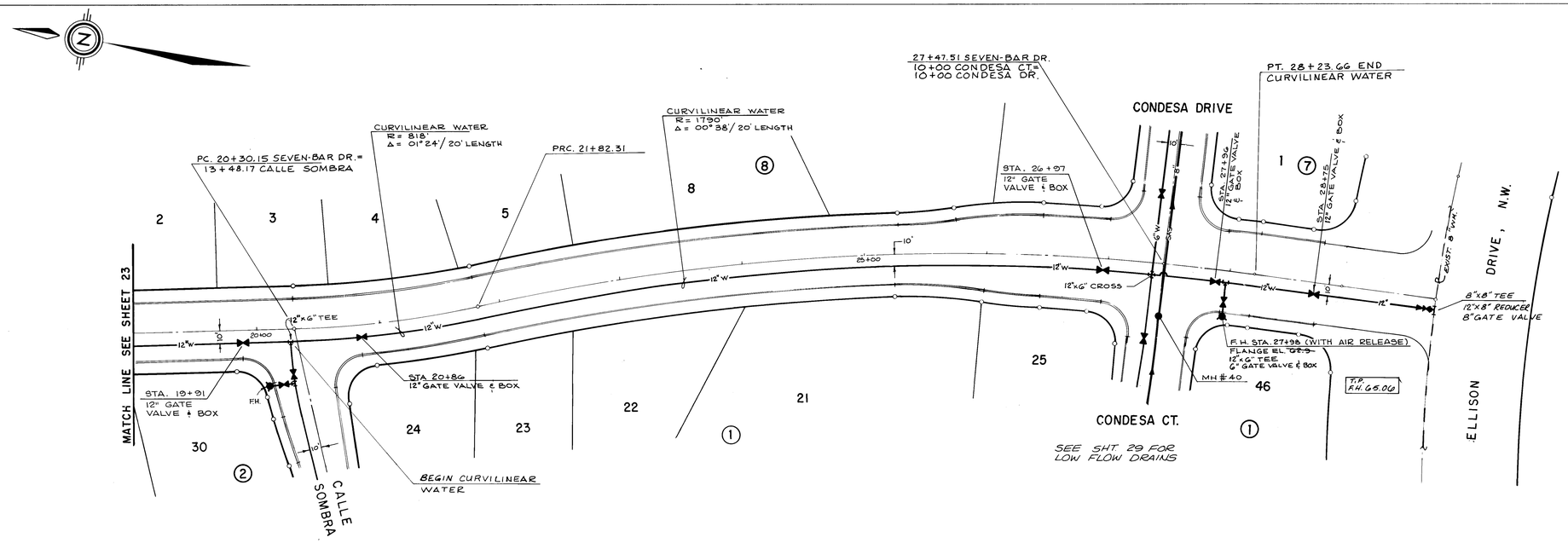
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE SALIDA DEL SOL - UNIT ONE - UTILITY PLAN & PROFILE

NORTH SEVEN BAR DRIVE, N.W.

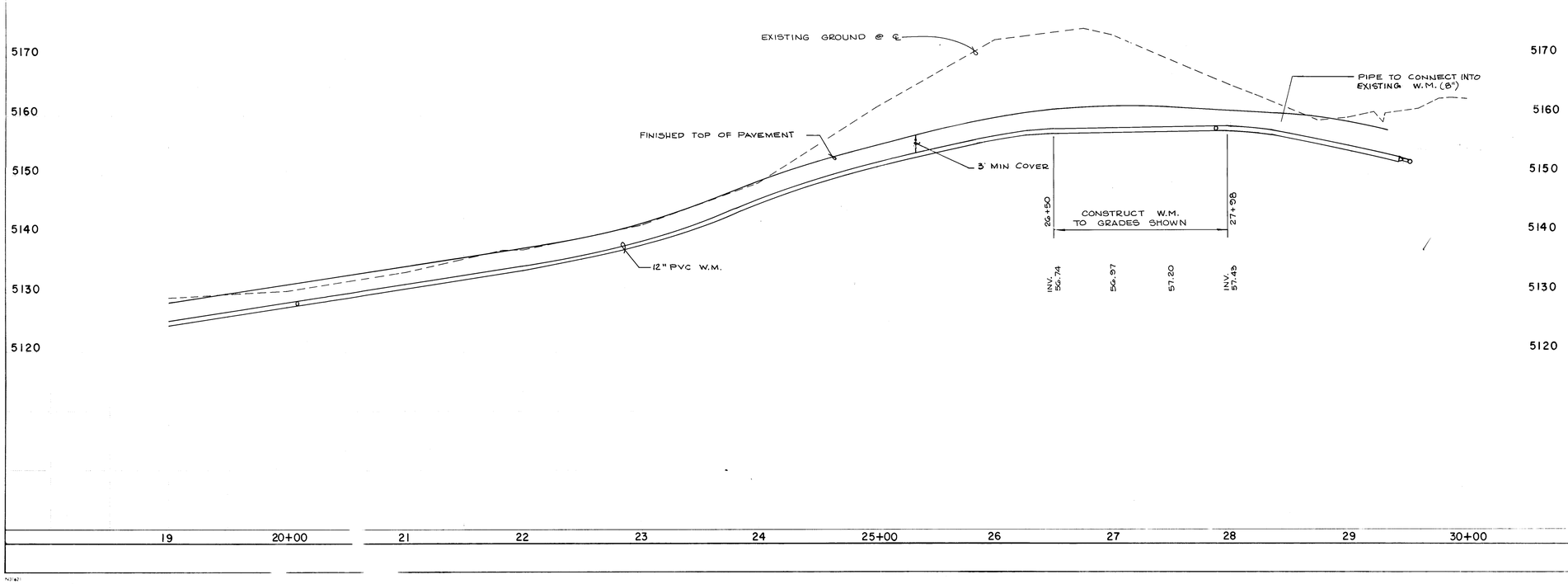
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		2/1/84	~~Liquid Waste~~		
A.C.E.-Design		8/24/84	Traffic	N.A.	2/21/84
A.C.E.-Hydrology	N.A.	2/22/84	Water		2-9-84

DRAWING NO 1869 | MAP NO A-13 | SHEET 23 OF 40



NORTH SEVEN BAR DRIVE, N.W.

SCALE: 1" = 50' HOR.
1" = 10' VERT.



AS BUILT

Kent M. Whitman
9/13/95

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26 1869 2486

AS BUILT INFORMATION

BENCH MARKS
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SURVEY INFORMATION

ENGINEER'S SEAL
Kent M. Whitman
1/27/84

NO	DATE	REMARKS	BY
		REVISIONS	

DESIGN

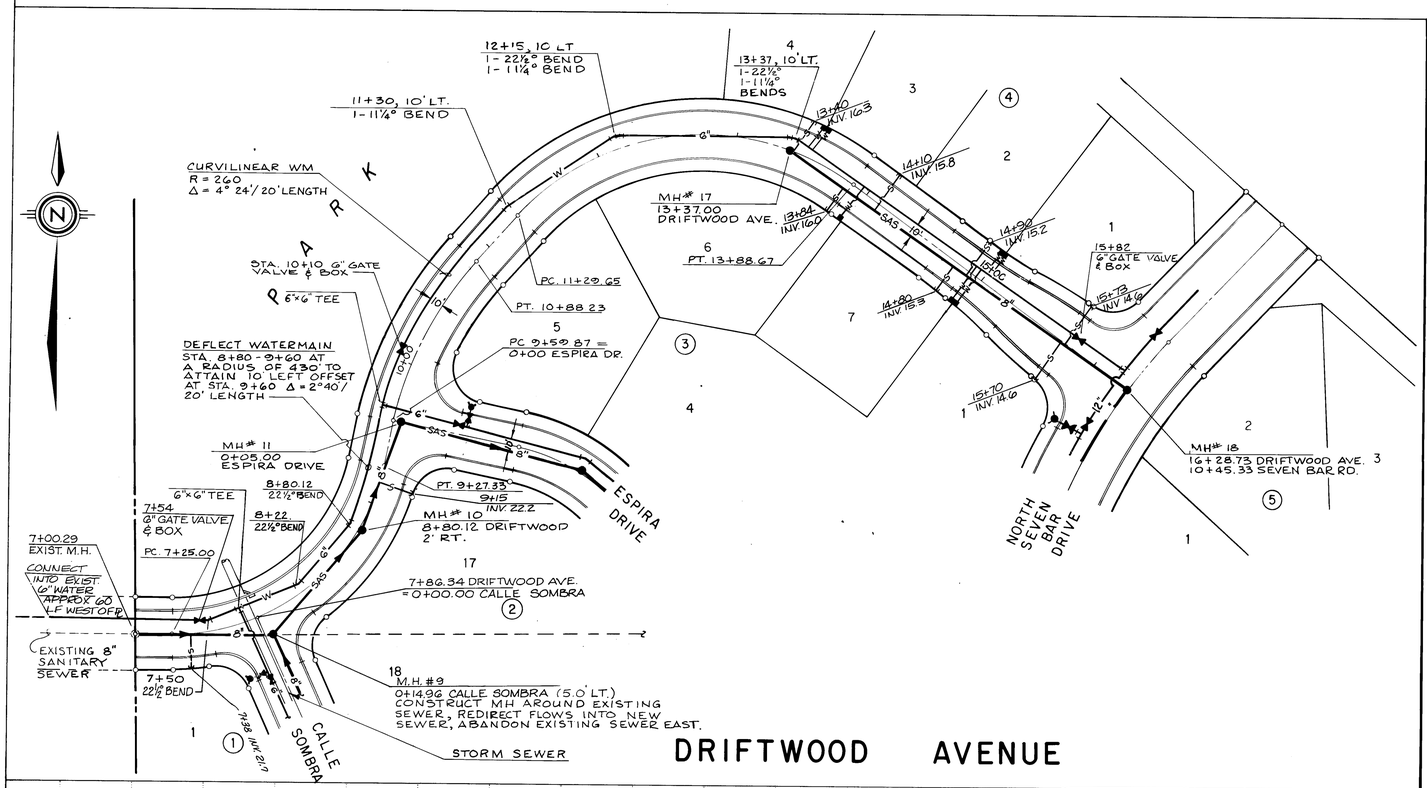
		DATE
DESIGNED BY	K.M.W.	11-83
DRAWN BY	M.K.S., W.J.W., R.D.Q.	11-83
CHECKED BY	K.M.W.	11-83

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

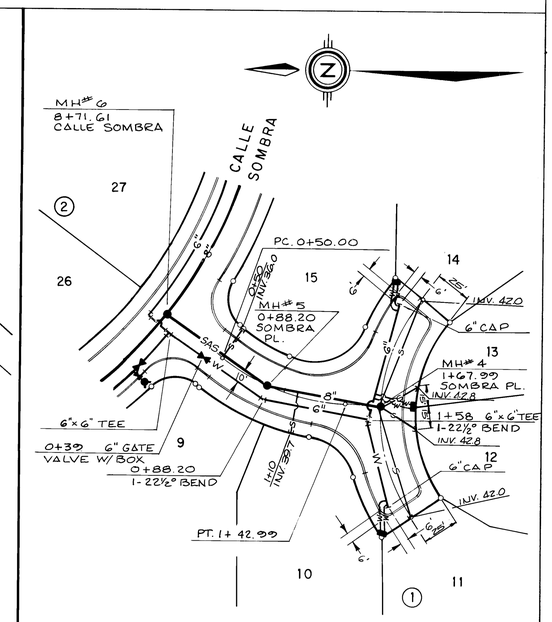
TITLE: SALIDA DEL SOL-UNIT ONE-UTILITY PLAN & PROFILE
NORTH SEVEN BAR DRIVE, N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		8/1/84	Liquid Waste		
A.C.E. Design		8 Feb 84	Traffic	N/A	2/28/84
A.C.E. Hydrology	N/A	2/28/84	Water Res	WTZ	2-8-84

DRAWING NO 1869 | MAP NO A-13 | SHEET 24 OF 40

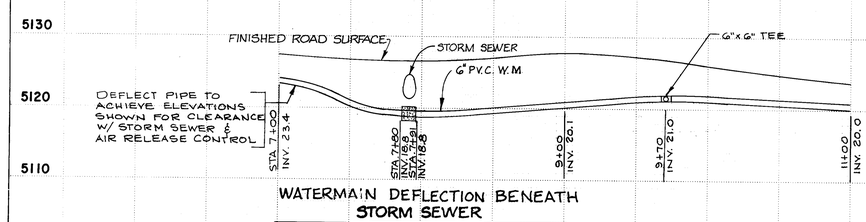


DRIFTWOOD AVENUE

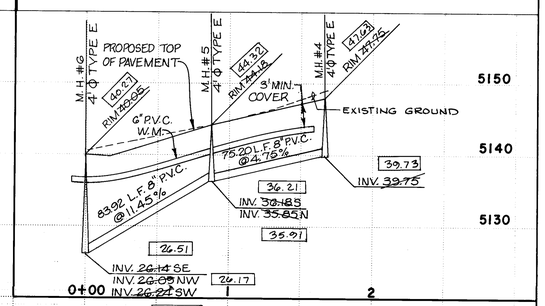


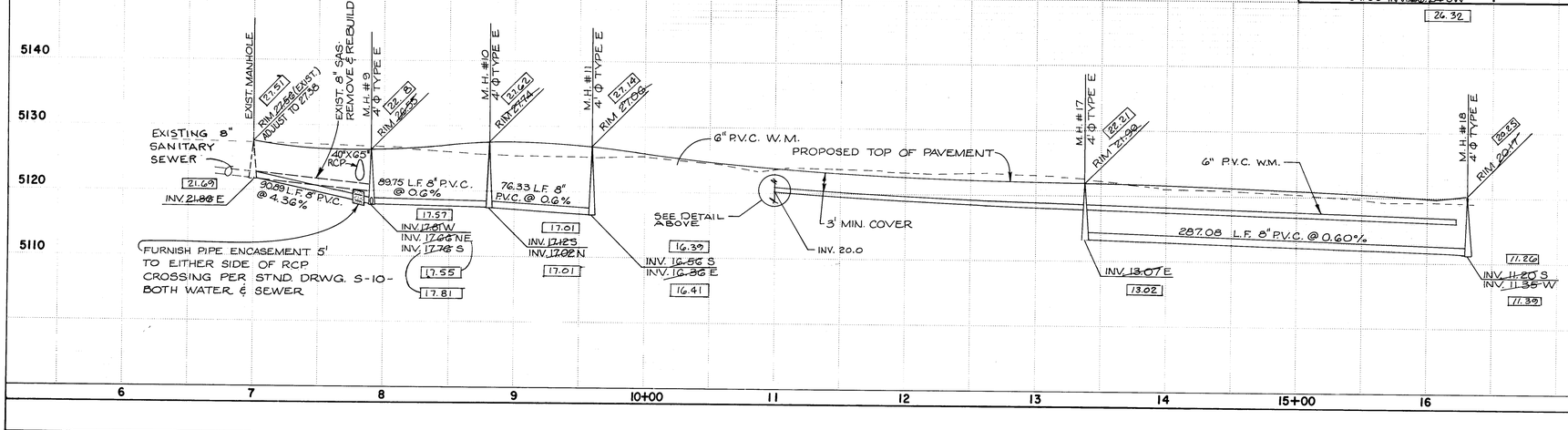
NOTE: TAPS IN DEAD END LINES SHALL BE IN LAST 12" OF MAIN.

SOMBRA PLACE



WATERMAIN DEFLECTION BENEATH STORM SEWER





AS BUILT

Kent M. Watna

9/12/85

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26 1869 25 86

AS BUILT INFORMATION

N/RA - N.G.V.D.
A/DA - A.M.S.L. DATUM
INSPECTOR'S ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
DRAWINGS CHECKED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

BENCH MARKS

A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED, BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

SURVEY INFORMATION

NO	DATE	BY	FIELD NOTES

ENGINEER'S SEAL

LEE L. REIMER — REGISTERED PROFESSIONAL ENGINEER — 11/27/84

NO	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY	K.M.W.	DATE	11-83
DRAWN BY	R.D.G., W.J.W.	DATE	11-83
CHECKED BY	K.M.W.	DATE	11-83

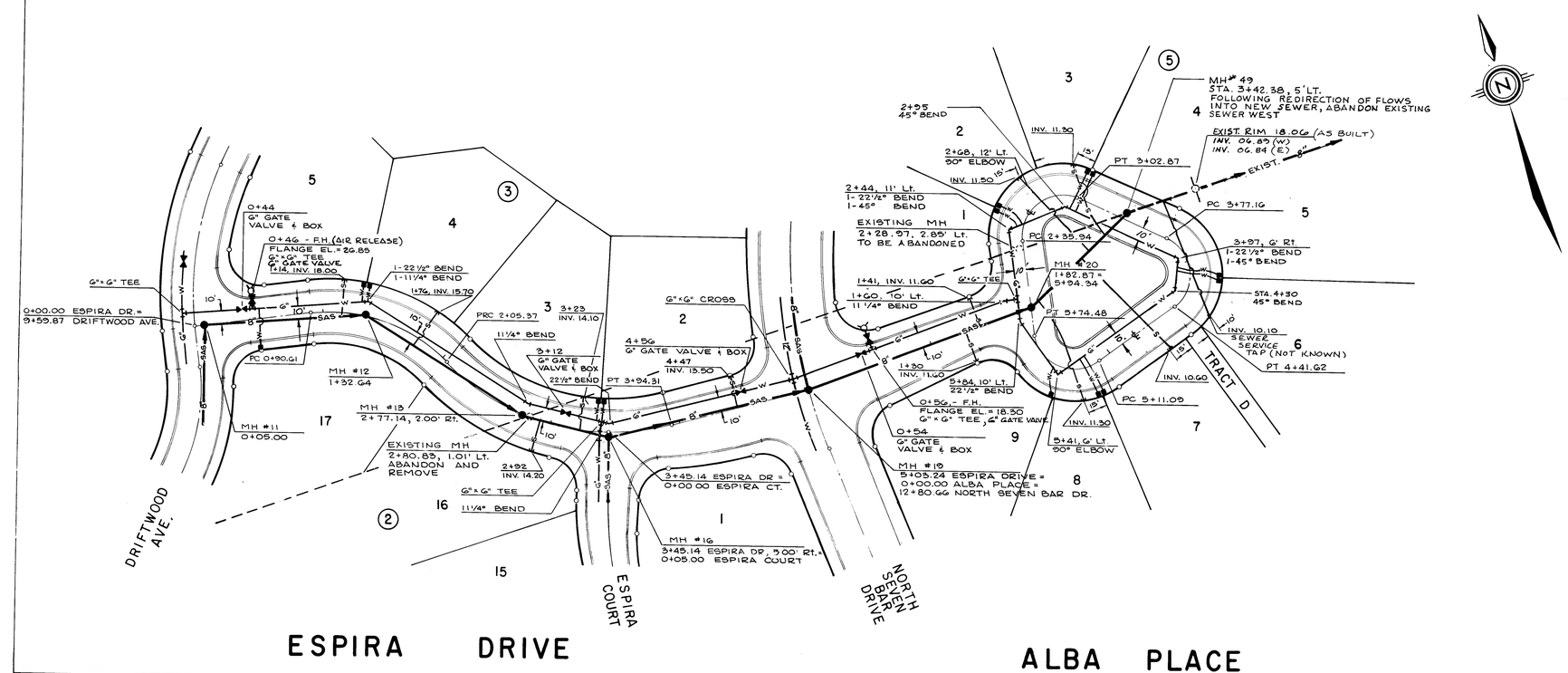
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SALIDA DEL SOL-UNIT ONE-UTILITY PLAN & PROFILE

DRIFTWOOD AVENUE SOMBRA PLACE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C. D. Hyre	8/8/84	~~Liquid Waste~~		
A.C.E.-Design	G. Kelly	8/8/84	Traffic	NA	2/1/84
A.C.E.-Hydrology	J.W.	2/28/84	Water Res	WJZ	2-8-84

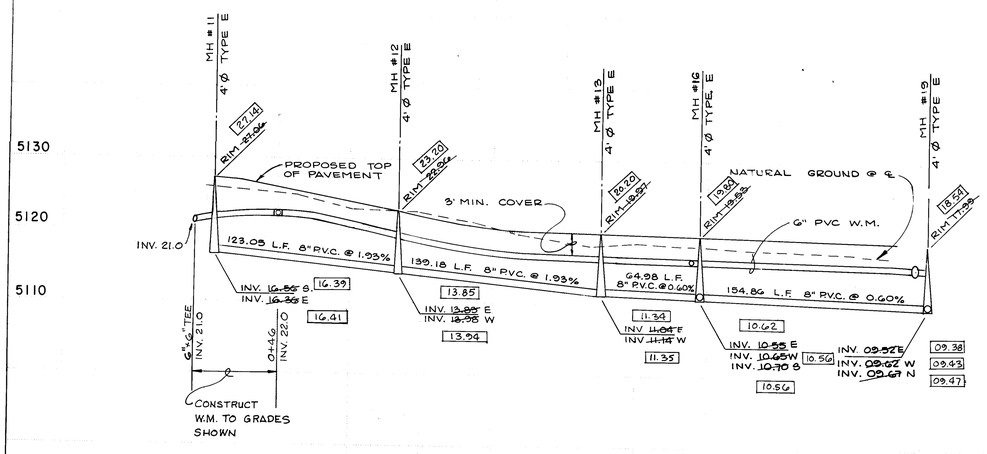
DRAWING NO. 1869 — MAP NO. A-13 — SHEET 25 OF 40

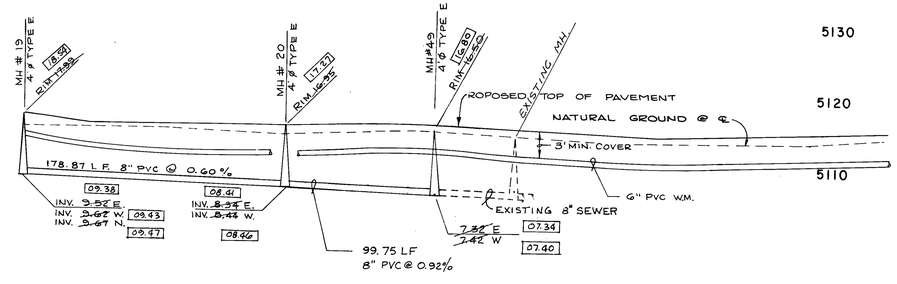


ESPIRA DRIVE

ALBA PLACE

SCALE: 1" = 50' HOR.
1" = 10' VERT.





AS BUILT

9/13/85

NOTE: THIS CERTIFICATION IS INTENDED TO INDICATE THAT IN THE ENGINEER'S OPINION THIS CONSTRUCTION IS IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN AS SHOWN (OR AS ANNOTATED WITH UPDATED FIELD GRADES WHERE INDICATED). IT IS NOT A VERIFICATION OF CONTRACT COMPLIANCE IN THE LEVEL OF DETAIL ASSOCIATED WITH FULL CONSTRUCTION INSPECTION OF THE PROJECT.

NOTE:
The water line and sanitary sewer line are to belong to New Mexico Utility Company Systems, not City of Albuquerque.

26 1869 2786

AS BUILT INFORMATION
DATE
DATE
DATE
DATE
MICRO-FILM INFORMATION
DATE
RECORDED BY
NO.

BENCH MARKS
A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

SURVEY INFORMATION
NO. FIELD NOTES BY DATE

ENGINEER'S SEAL
JOHN H. WILLIAMS 6172 REGISTERED PROFESSIONAL ENGINEER
11/27/84

NO.	DATE	REMARKS	BY
		REVISIONS	

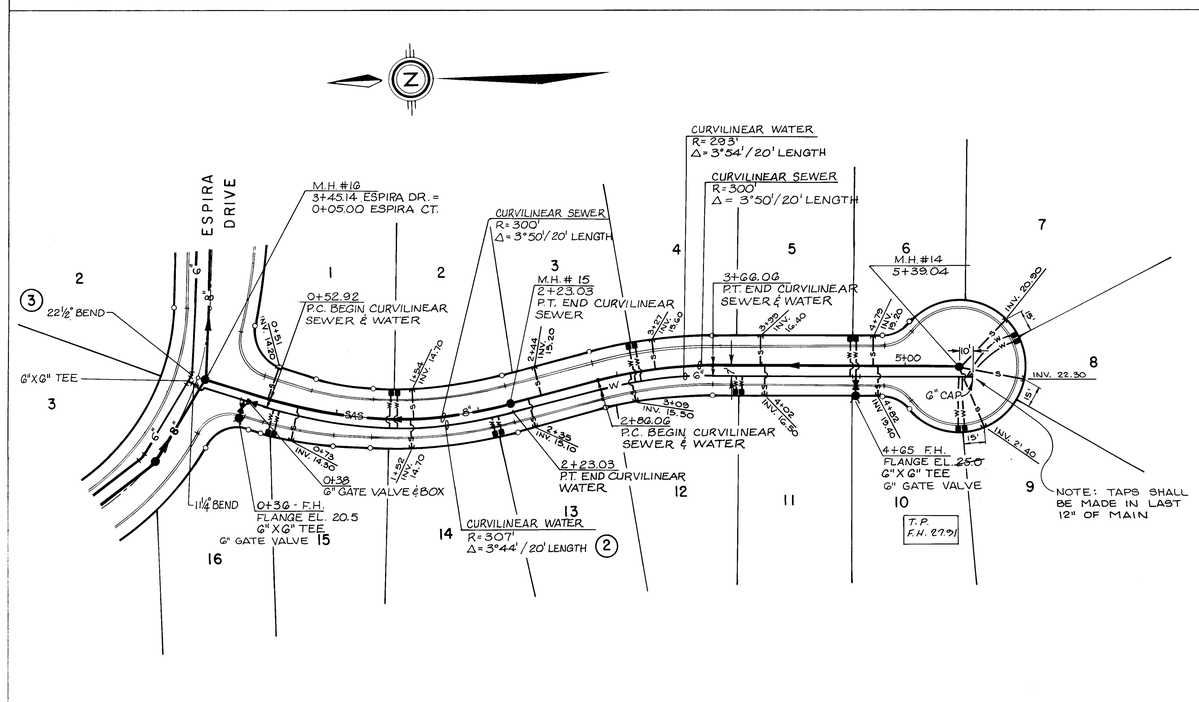
DESIGNED BY KMW LLL DATE 11-83
DRAWN BY MKS, RDQ DATE 11-83
CHECKED BY DATE

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

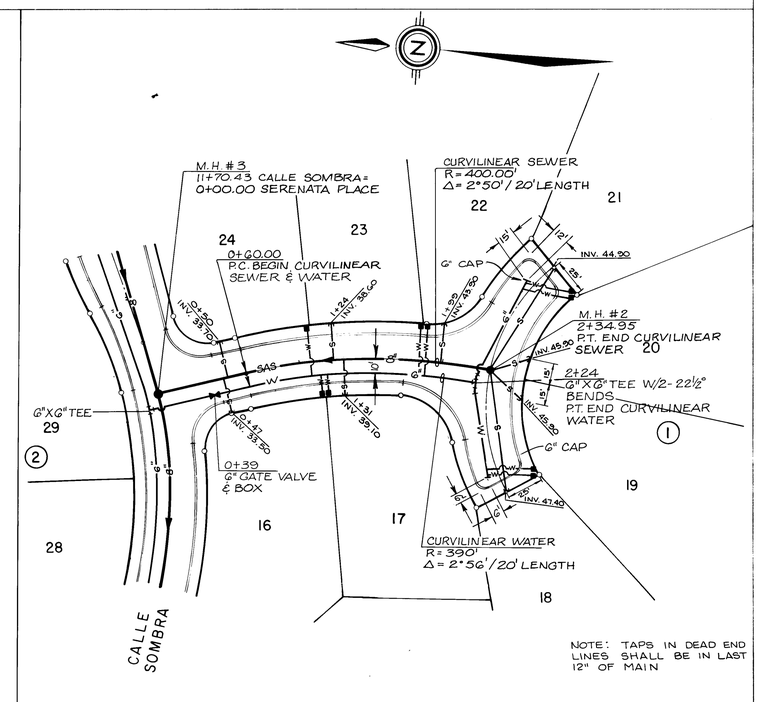
TITLE: SALIDA DEL SOL-UNIT ONE-UTILITY PLAN & PROFILE
ESPIRA DRIVE, N.W.
ALBA PLACE, N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		3/4/84	~~Land Waste~~		
A.C.E.-Design		8 Feb 84	Traffic	NA	2/28/84
A.C.E.-Hydrology		2/28/84	Water	NA	2-8-84

DRAWING NO 1869 | MAP NO A-13 | SHEET 26 OF 40

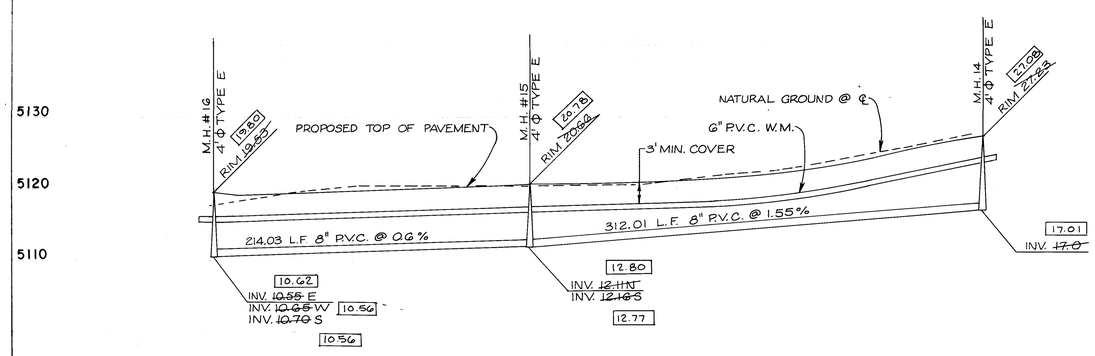


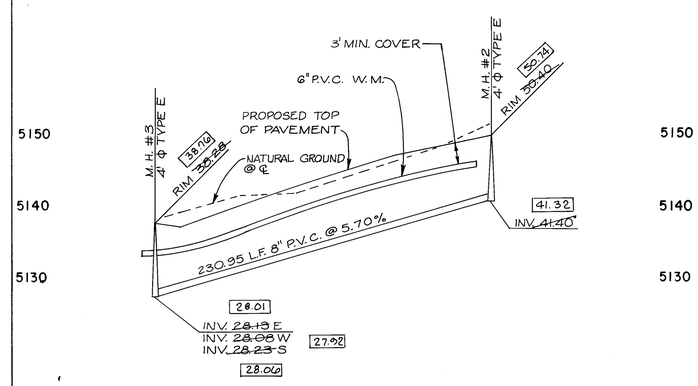
ESPIRA COURT



SERENATA PLACE

SCALE: 1" = 50' HOR.
1" = 10' VERT.





0+00 1 2 3 4 5+00 6

0+00 1 2 3

AS BUILT

1/4/85

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26 18692786

AS BUILT INFORMATION
DATE
DATE
DATE
MICRO FILM INFORMATION
DATE

BENCH MARKS
A SQUARE CHISELED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205", ELEVATION = 5110.55

SURVEY INFORMATION
FIELD NOTES
NO
BY
DATE

ENGINEER'S SEAL
1/29/84

NO	DATE	REMARKS	BY
		REVISIONS	

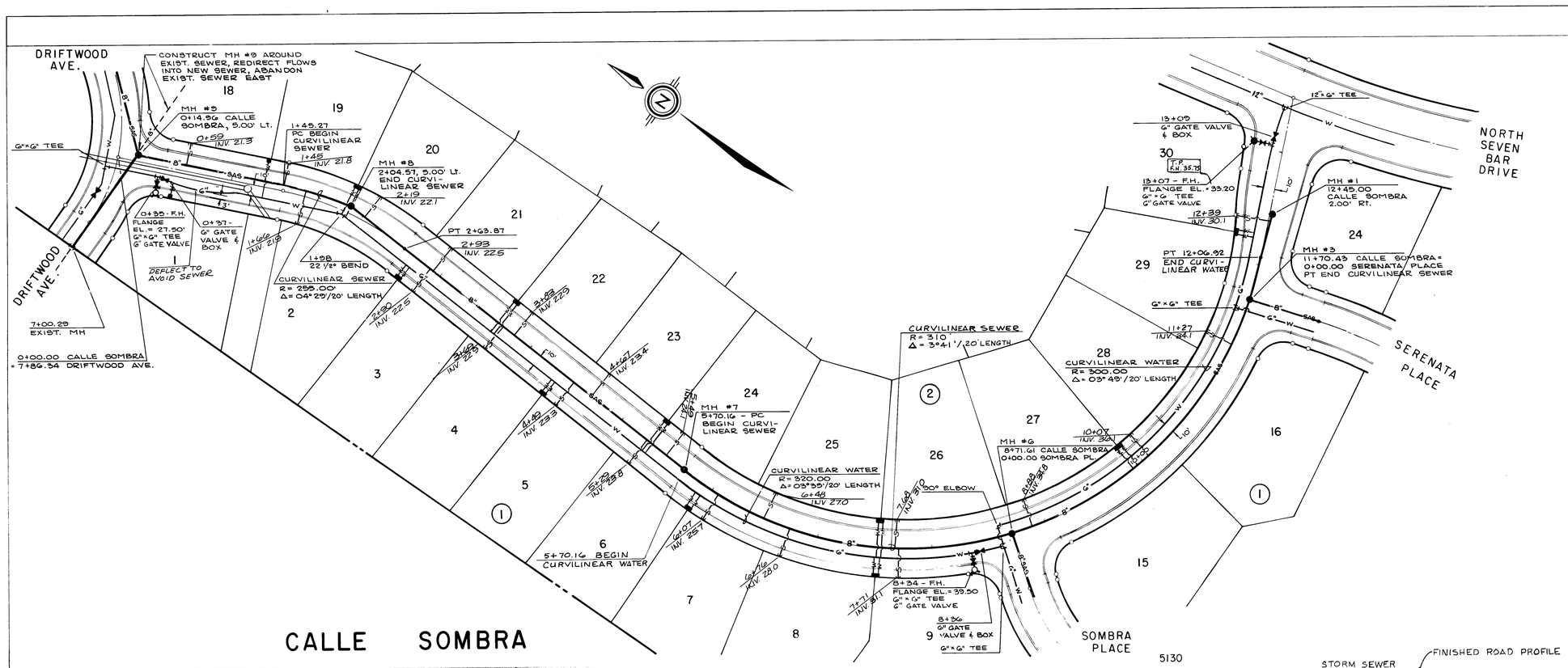
DESIGN
DESIGNED BY KMW, LLL DATE 11-83
DRAWN BY JWB, MKS DATE 11-83
CHECKED BY DATE

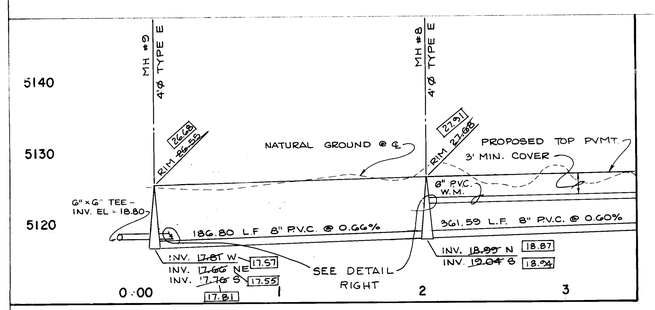
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

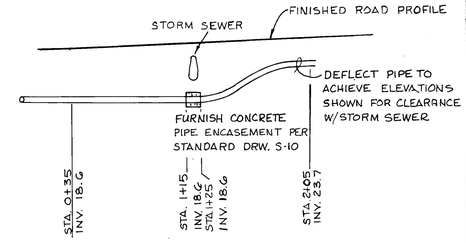
TITLE SALIDA DEL SOL - UNIT ONE UTILITY PLAN & PROFILE
ESPIRA COURT / SERENATA PLACE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Land Dev.		
A.C.E. Design		8/29/84	Traffic	NA	2/5/84
A.C.E. Hydrology		2/28/84	Water		2-8-84

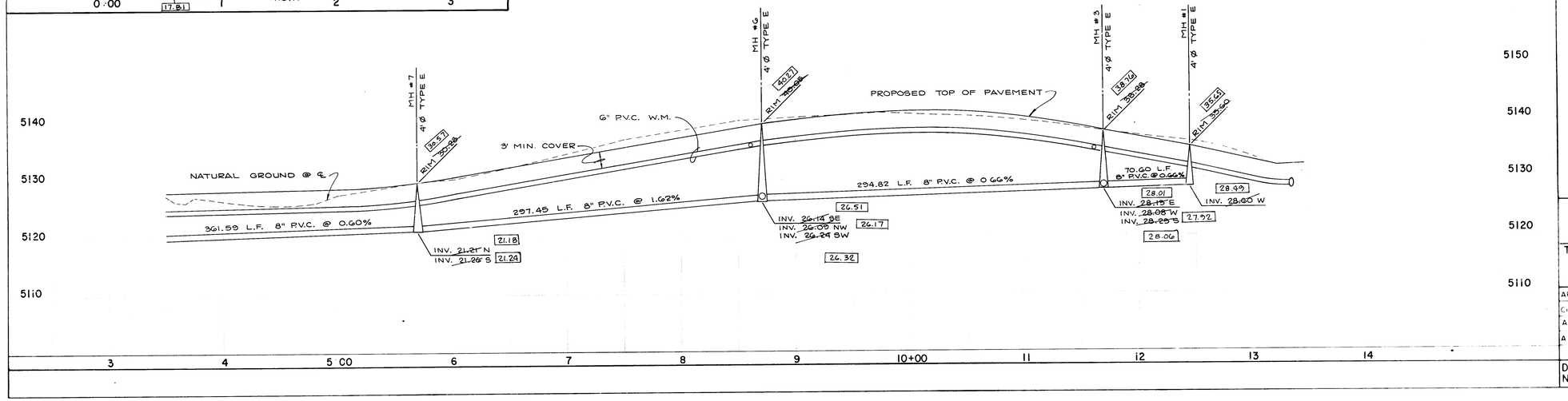
DRAWING NO 1869 MAP NO A-13 SHEET 27 OF 40







WATERMAIN DEFLECTION BENEATH STORM SEWER



AS BUILT

Kent M. Whitmore
11/4/85

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26 1869 2686

SCALE : 1" = 50' Horizontal
1" = 10' Vertical

AS BUILT INFORMATION
BENCH MARK
A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55
MICRO FILM INFORMATION
SURVEY INFORMATION
NO
ENGINEER'S SEAL
LEO R. BOHANNAN NEW MEXICO PROFESSIONAL ENGINEER 5181
11/27/84

NO	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DATE 11-83	
		DATE 11-83	
		DATE	

DESIGNED BY KMW, LLL
DRAWN BY MKS
CHECKED BY

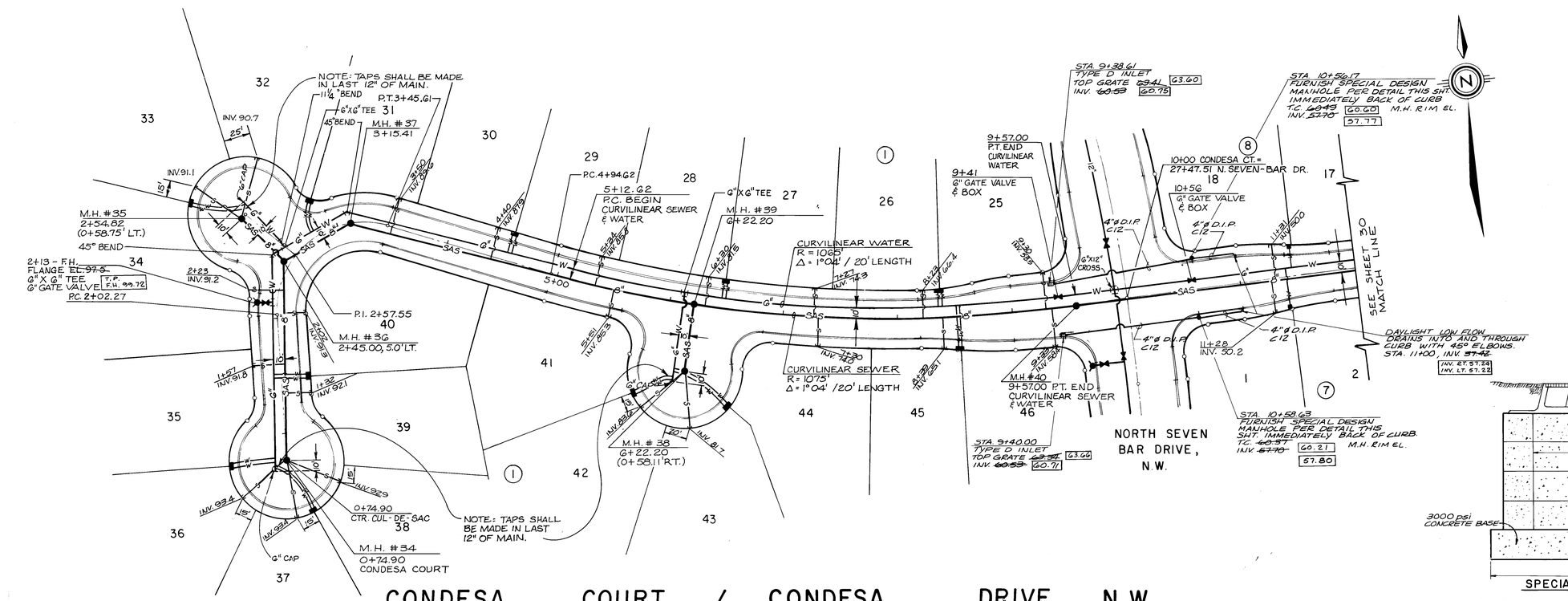
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

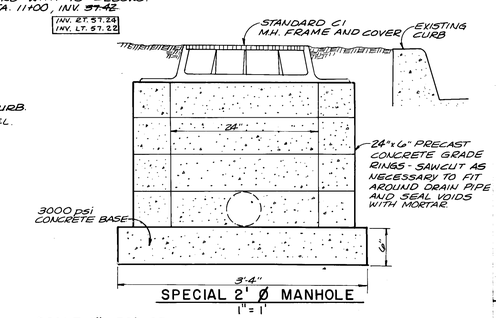
TITLE SALIDA DEL SOL - UNIT ONE - UTILITY PLAN & PROFILE
CALLE SOMBRA, N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C. A. Lopez	8/4/84	~~Land Wastr~~		
A.C.E. Design	[illegible]	8/8/84	Traffic	NA	
A.C.E. Hydrology	[illegible]	2/28/84	Water Res	WEG	2-8-84

DRAWING NO 1869 | MAP NO. A-13 | SHEET 28 OF 40

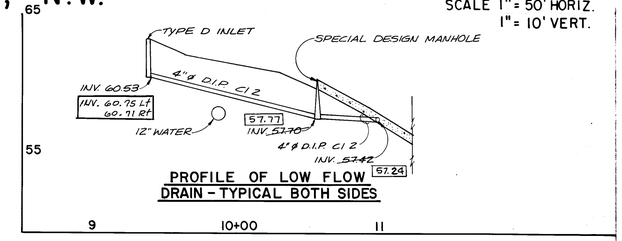
2281



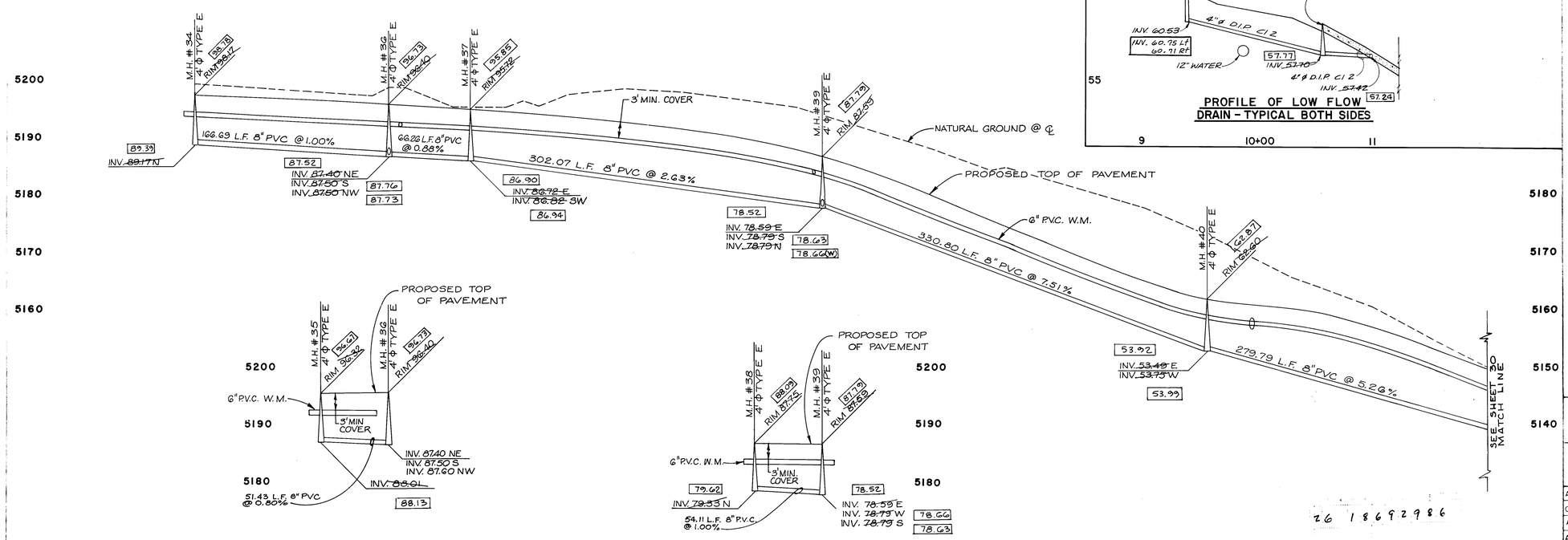


SPECIAL 2' Ø MANHOLE

SCALE 1" = 50' HORIZ.
1" = 10' VERT.



PROFILE OF LOW FLOW DRAIN - TYPICAL BOTH SIDES



26 18692986

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AS BUILT

Kent M. Whitehead
11/4/85

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A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

SURVEY NO.

ENGINEER'S SEAL
LARRY K. HUTTMAN
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
1/27/84

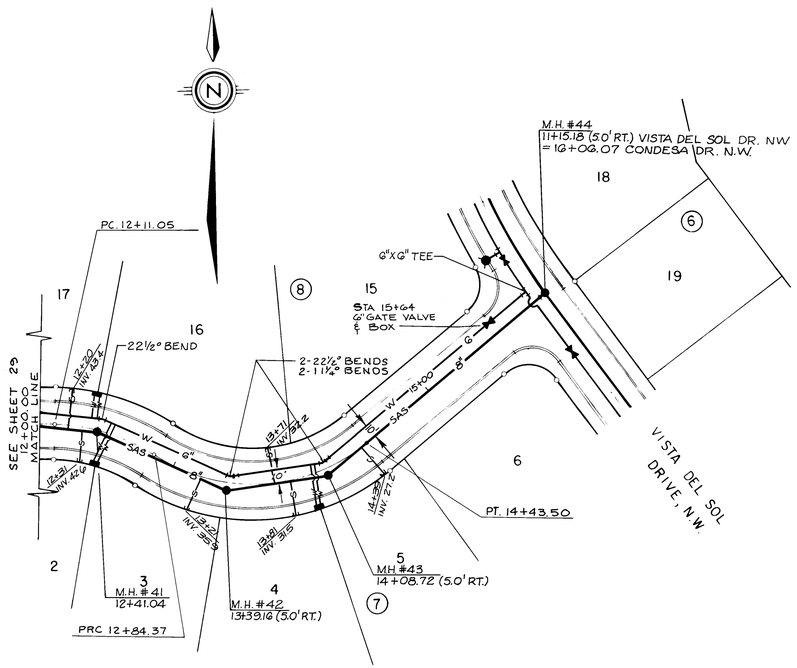
NO	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	K.M.W.
	DATE		J.B.
	DATE		K.M.W.
	DATE		

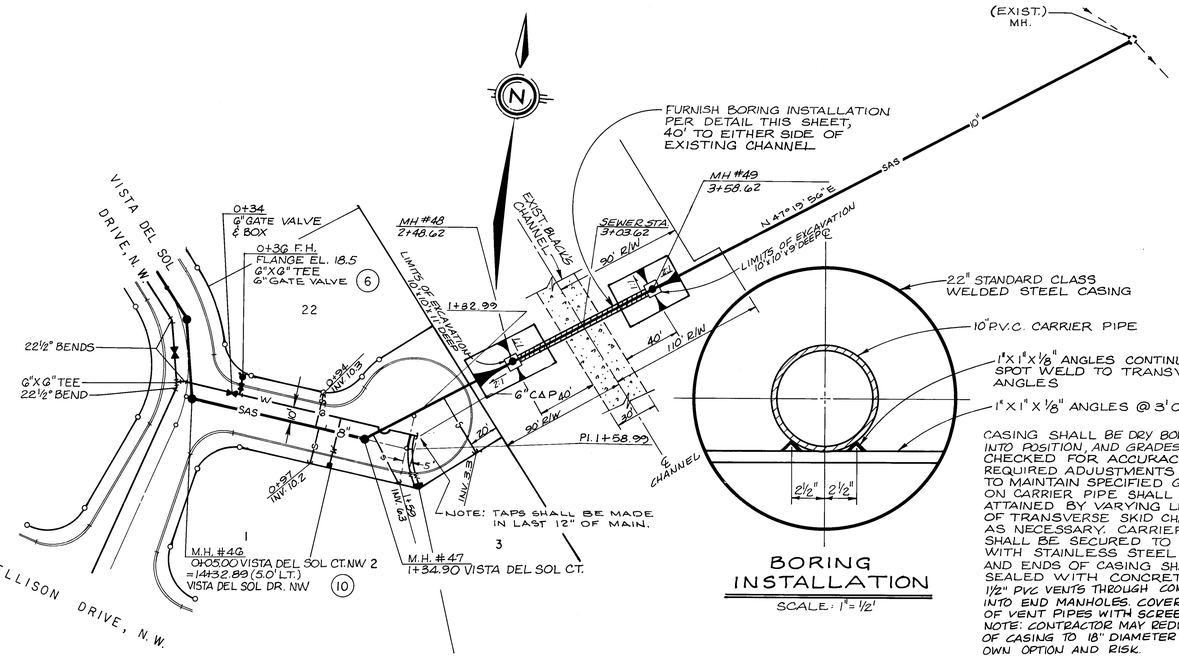
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE SALIDA DEL SOL - UNIT TWO - UTILITY PLAN & PROFILE
CONDESA COURT / CONDESA DRIVE N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Solid Waste		
A.C.E. - Design		8 Feb 84	Traffic		
A.C.E. - Hydrology		2/28/84	Water Res		2/28/84

DRAWING NO 1869 | MAP NO A-13 | SHEET 29 OF 40

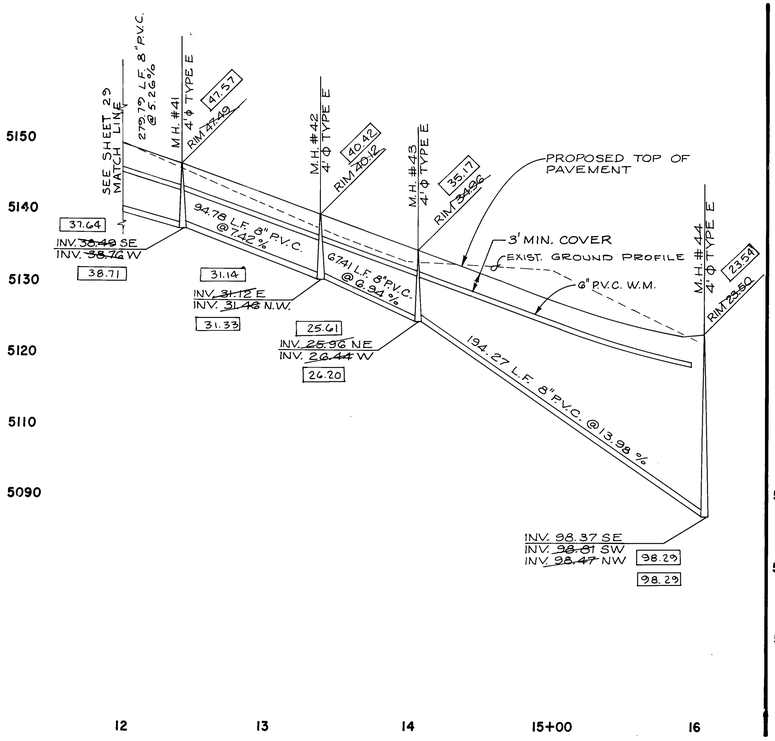




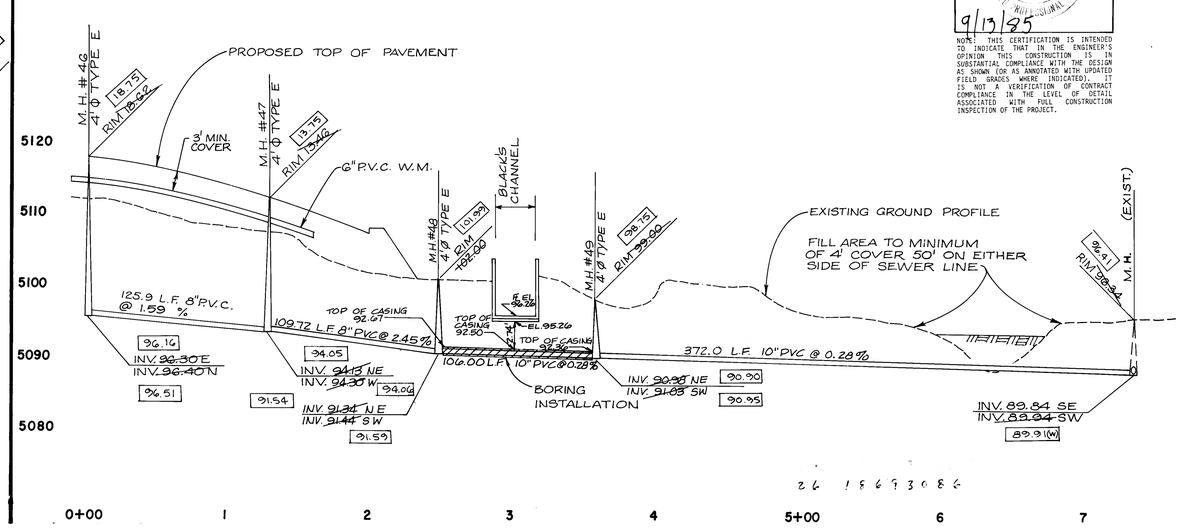
CASING SHALL BE DRY BORED & JACKED INTO POSITION, AND GRADES CHECKED FOR ACCURACY. ANY REQUIRED ADJUSTMENTS IN ORDER TO MAINTAIN SPECIFIED GRADES ON CARRIER PIPE SHALL BE ATTAINED BY VARYING LENGTHS OF TRANSVERSE SKID CHANNELS AS NECESSARY. CARRIER PIPE SHALL BE SECURED TO SKID WITH STAINLESS STEEL STRAPS, AND ENDS OF CASING SHALL BE SEALED WITH CONCRETE. FURNISH 1½" PVC VENTS THROUGH CONCRETE CAPS INTO END MANHOLES. COVER ENDS OF VENT PIPES WITH SCREEN.
NOTE: CONTRACTOR MAY REDUCE SIZE OF CASING TO 18" DIAMETER AT HIS OWN OPTION AND RISK.

A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

CONDESA DRIVE, N.W.



VISTA DEL SOL COURT, N.W.



SCALE: 1" = 50' HORIZ
1" = 10' VERT.

AS BUILT

Kent M. Whitman
STATE OF NEW MEXICO REGISTERED PROFESSIONAL ENGINEER
9/13/85

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NOTE:
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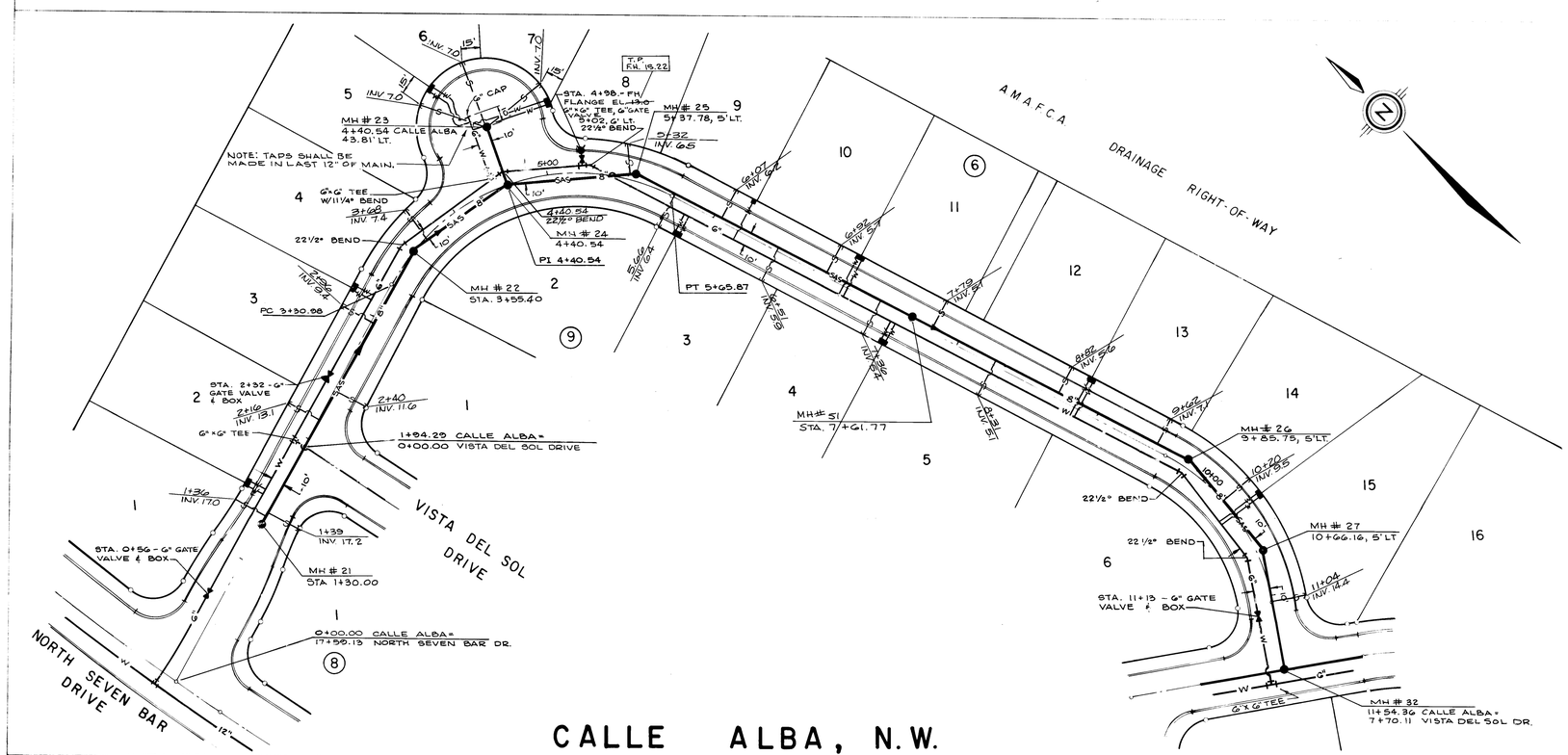
Robert R. Huntman
NEW MEXICO REGISTERED PROFESSIONAL ENGINEER
11/27/84

As Ltd	11-83		
7-84 REVISE SAS.	11-83	K.M.W.	
	11-83	J.B.	
		K.M.W.	

SALIDA DEL SOL - UNIT TWO - UTILITY PLAN & PROFILE

CONDESA DRIVE N.W. / VISTA DEL SOL COURT N.W.

1869	A-13	30	40	



CALLE ALBA, N.W.

SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

AS BUILT

GARY M. WHITMAN NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 6844

9/13/85

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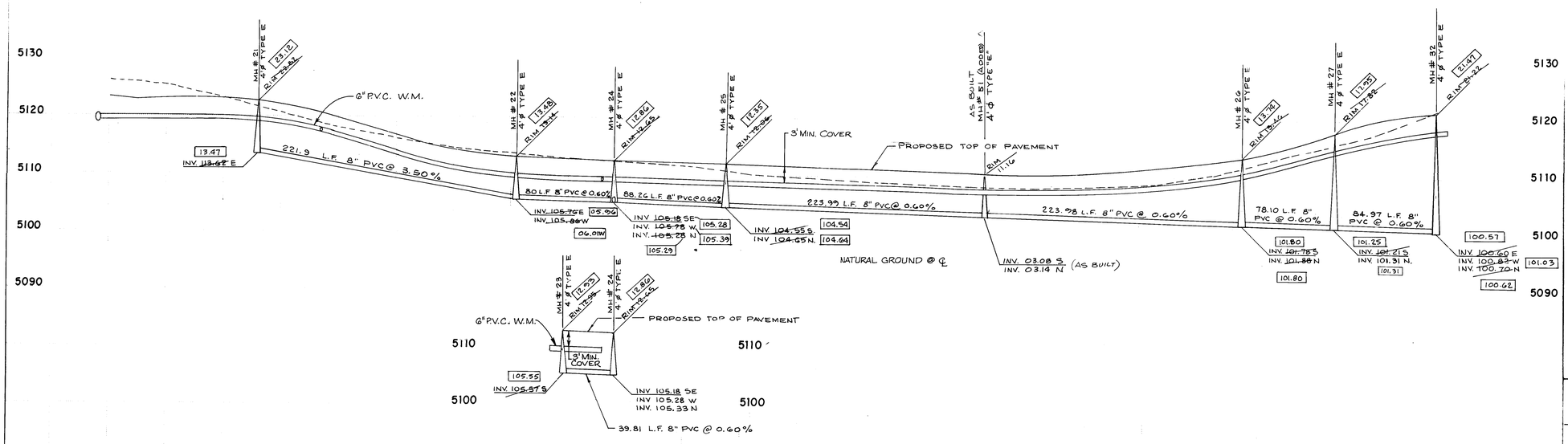

NOTE:
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REGISTERED PROFESSIONAL ENGINEER 6844 GARY M. WHITMAN NEW MEXICO

1/27/84

NO	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY KZW, LLL DATE 11-83
DRAWN BY MKS, RDQ DATE 11-83
CHECKED BY DATE

26 1869 3 1 86

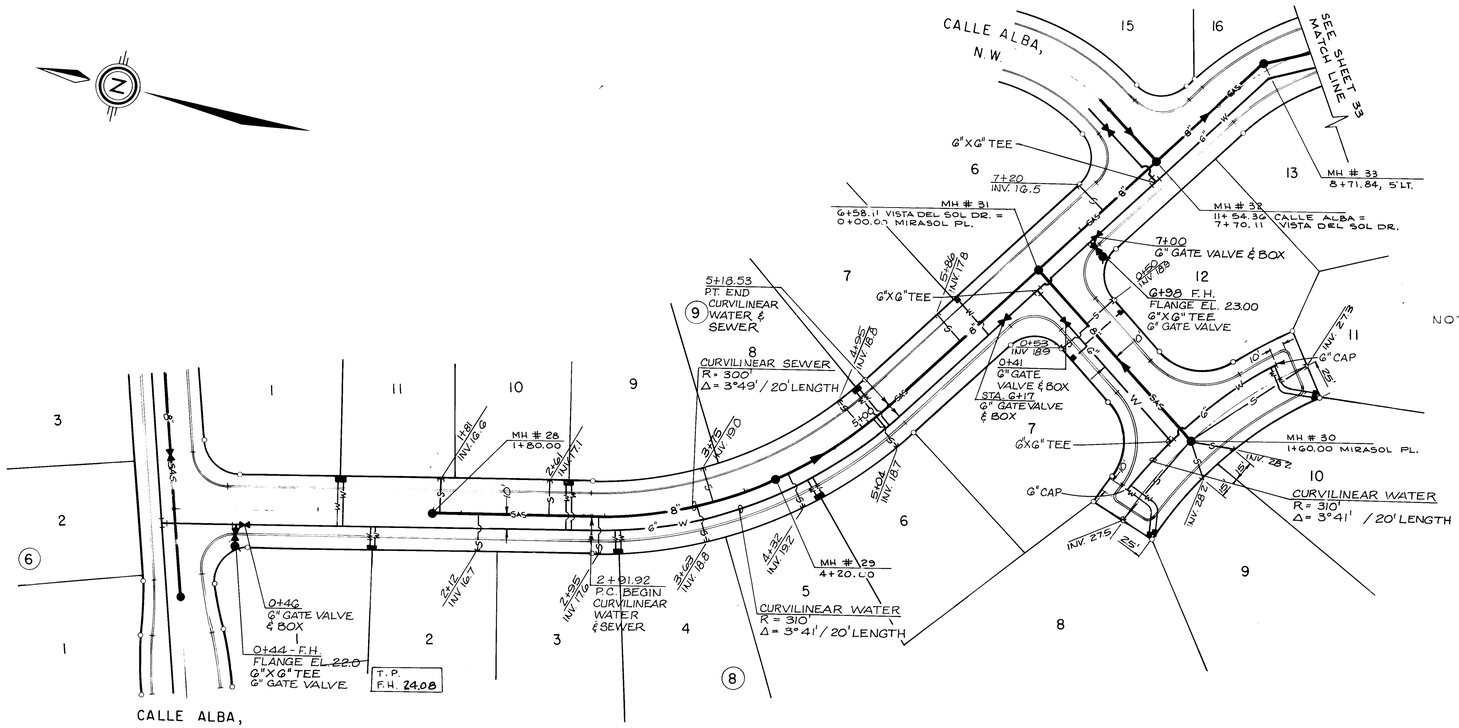
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE SALIDA DEL SOL - UNIT TWO - UTILITY PLAN & PROFILE

CALLE ALBA, N.W.

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	2/1/84	Liquid Waste		
A.C.E. - Design	[illegible]	8 Feb 84	Traffic	NA	2/28/84
A.C.E. - Hydrology	[illegible]	2/28/84	Water Res	[illegible]	2-8-84

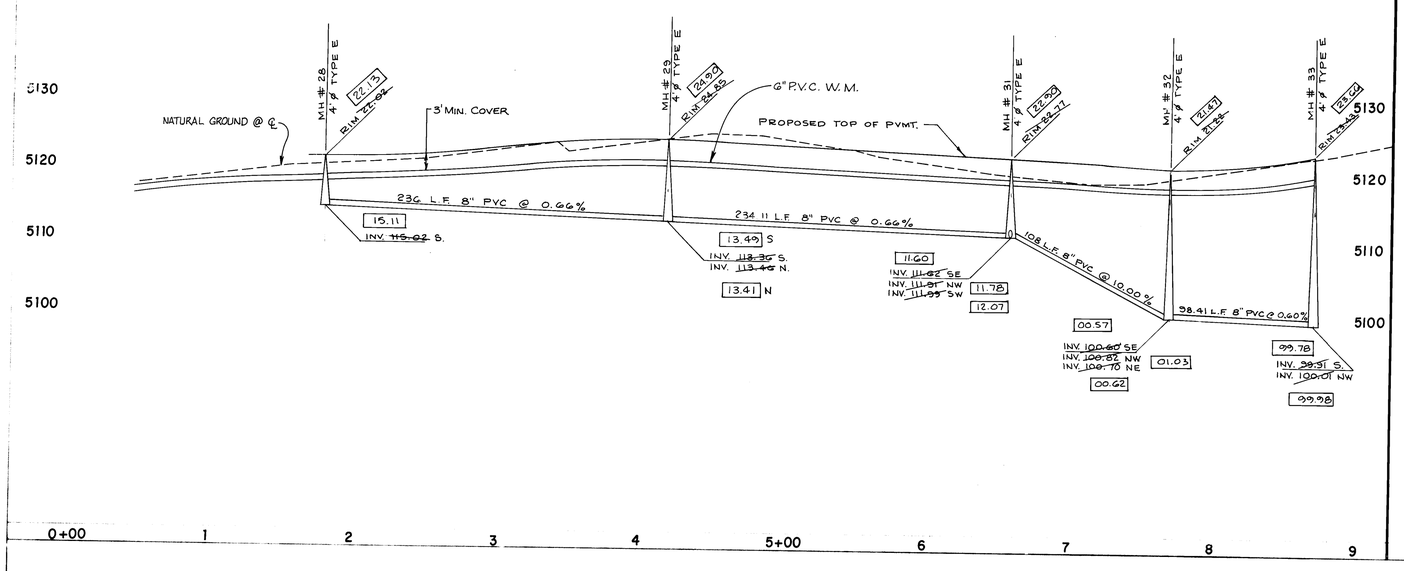
DRAWING NO 1869 | MAP NO. A-13 | SHEET 31 OF 40



NOTE: TAPS IN DEAD END LINES SHALL BE MADE IN LAST 12" OF MAIN.

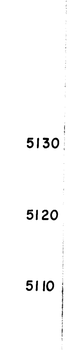
A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

VISTA DEL SOL DRIVE, N.W.



MIRASOL PLACE, N.W.

SCALE: 1"=50 HORIZ.
1"=10 VERT.



AS BUILT

KENT M. WHITMAN
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
9/13/85

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ENGINEER'S SEAL
LEE A. WHITMAN
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
1/27/94

NO	BY	DATE
	KMW, LLL	11-83
	MKS, RDR	11-83

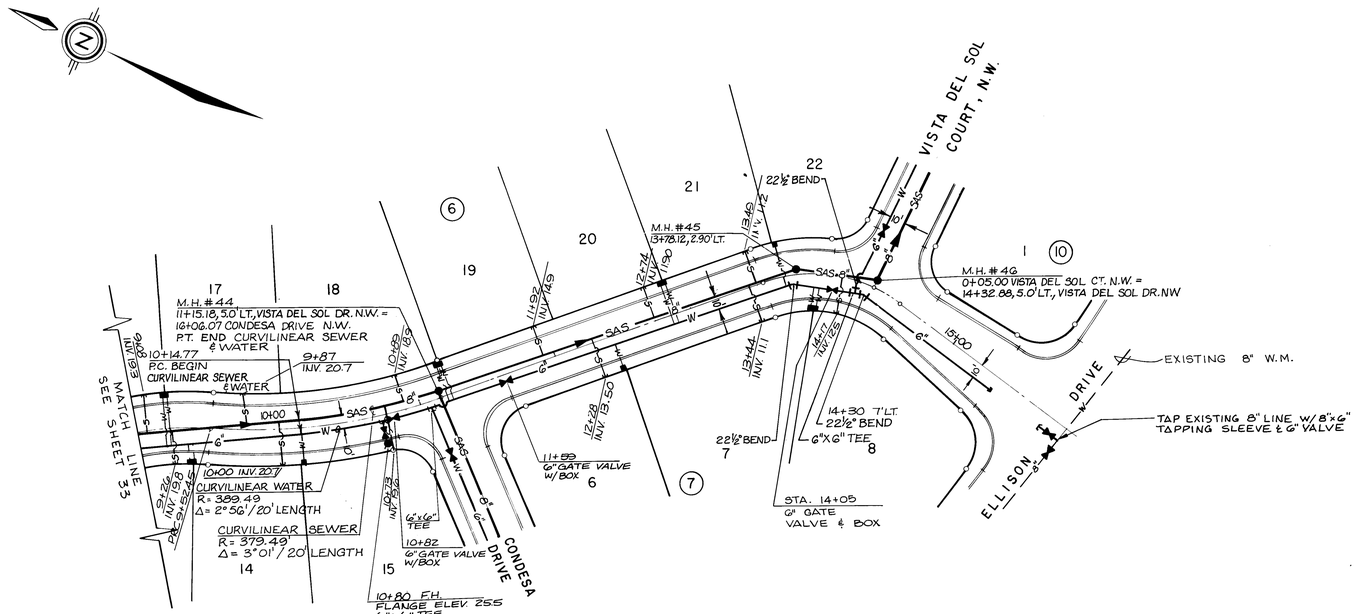
26 1869 32.86

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE SALIDA DEL SOL – UNIT TWO – UTILITY PLAN & PROFILE
VISTA DEL SOL DRIVE N.W. / MIRASOL PLACE N.W.

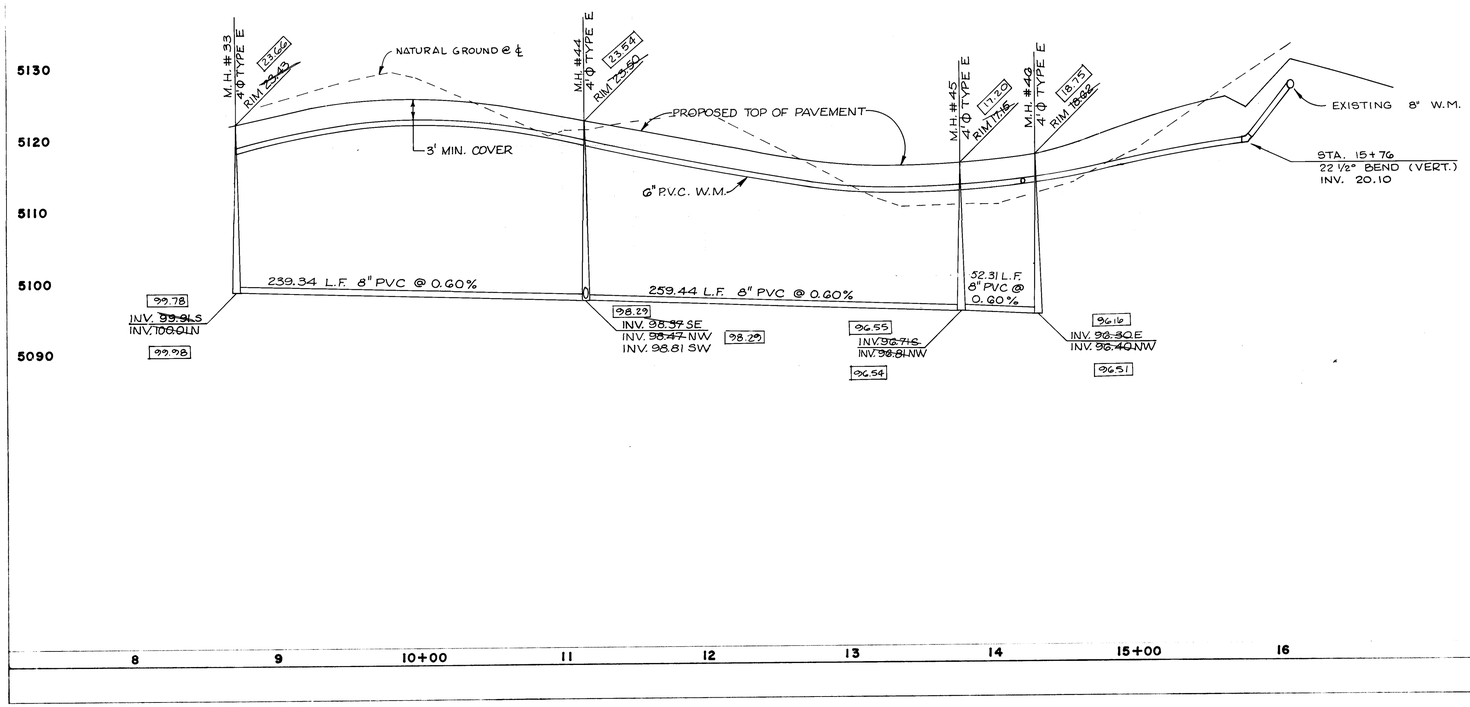
Drawn			
Project Engineer			
A.E. Design		8 Feb 84 Traffic	
A.E. Hydrology	NA	2/28/84 Water	

DRAWING NO	MAP NO	SHEET	OF
1869	A-13	32	40



VISTA DEL SOL DRIVE

SCALE: 1" = 50' HORIZ.
1" = 10' VERT.



A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

AS BUILT

9/13/85

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1/27/84

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11-83
11-83
11-83

K.M.W.
J.B.
K.M.W.

26 1869 3386

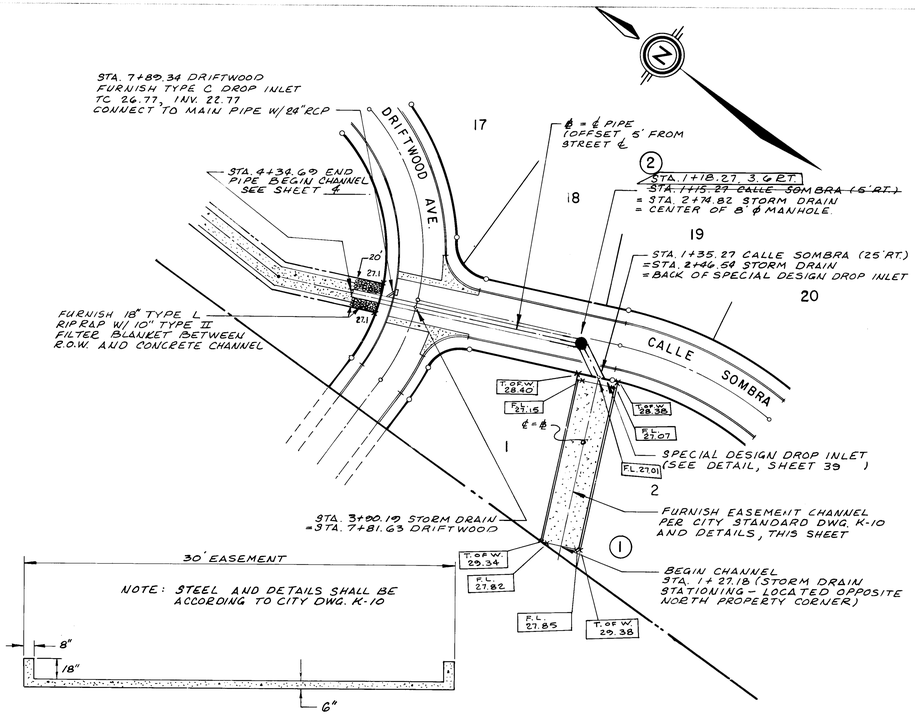
MINOR ENGINEERING

SALIDA DEL SOL - UNIT TWO - UTILITY PLAN & PROFILE

VISTA DEL SOL DRIVE

C.D. Chavez	2/2/84		
G. Bellich	8/26/84	NA	2/27/84
NA	7/28/84 Res		2-8-84

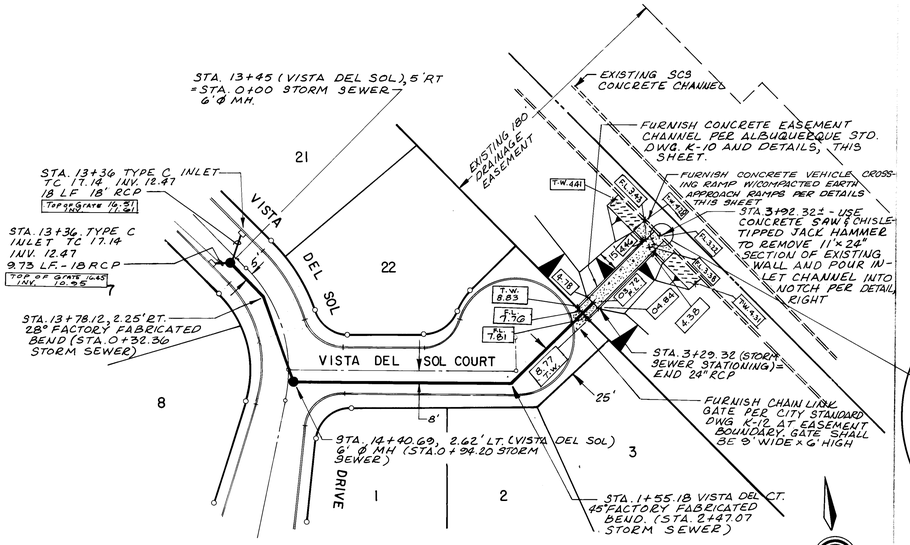
DRAWING NO. 1869 MAP A-13 33 40



EASEMENT CHANNEL SECTION

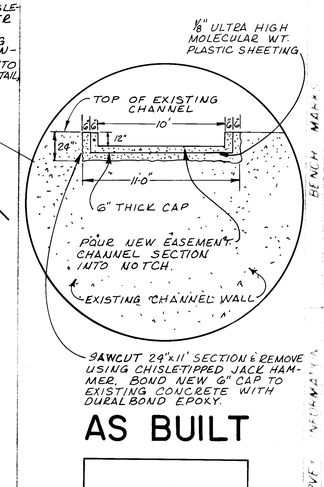
(BETWEEN LOTS 1 & 2)

1" = 5'



STORM DRAIN AND EASEMENT CHANNEL

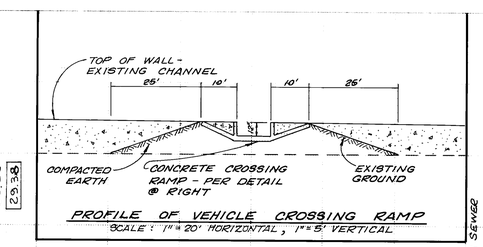
Scale: 1" = 50 HORIZ.



A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

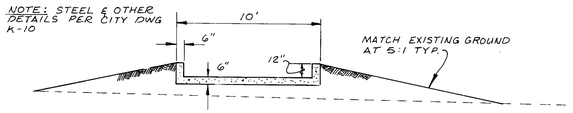
BENCH MARK

AS BUILT



PROFILE OF VEHICLE CROSSING RAMP

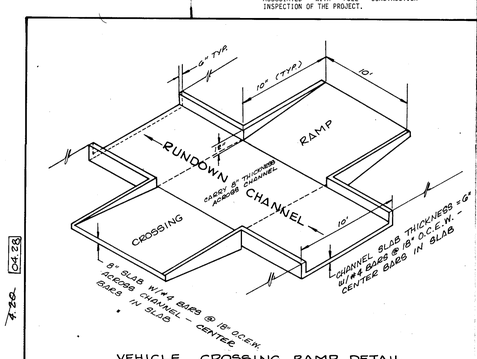
SCALE: 1" = 20' HORIZONTAL, 1" = 5' VERTICAL



EASEMENT CHANNEL SECTION

(TYP EXCEPT AT END TRANSITION)

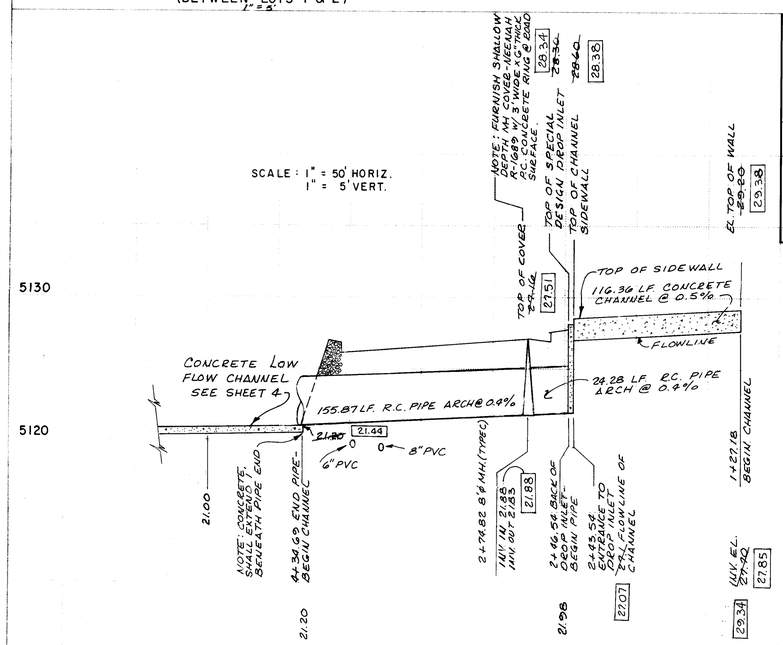
1" = 5'



VEHICLE CROSSING RAMP DETAIL

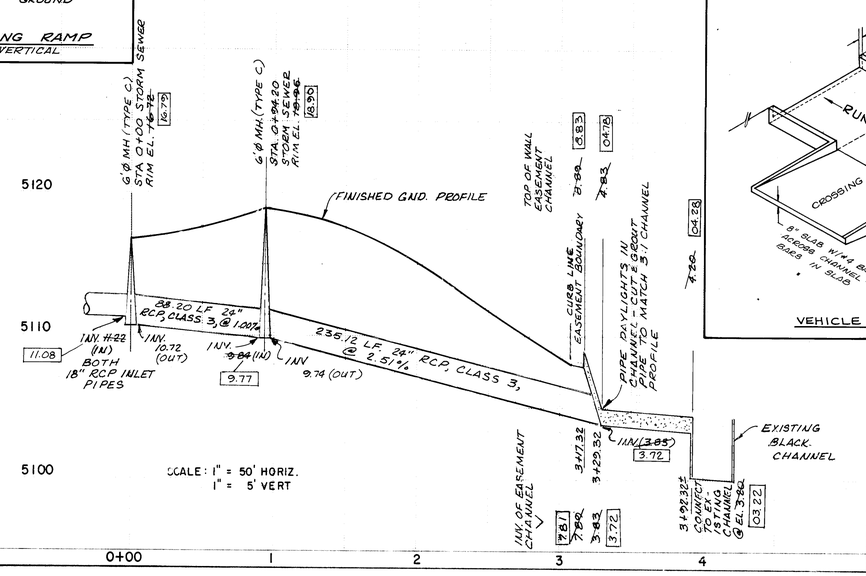
N.T.S.

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.



STORM DRAIN

NOTE: PIPE ARCH SHALL BE STANDARD 40" x 65" REINFORCED CONCRETE CAPABLE OF RESISTING H-20 HIGHWAY LOADING AT THE COVER CONDITIONS SPECIFIED. SEE SHEET 39 FOR BEDDING DETAIL.



SCALE: 1" = 50' HORIZ.
1" = 5' VERT

5+00 4 3 2 1 0+00 1 2 3 4

REVISIONS	BY	DATE
	K.M.W.	11-83
	W.V.W.	11-83
	K.M.W.	11-83

ENGINEER'S SEAL — SURVEY NO.

1/27/84

26 18693486

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

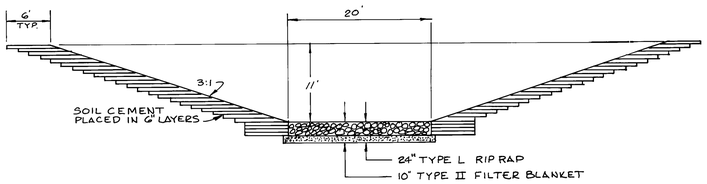
TITLE SALIDA DEL SOL - UNITS ONE & TWO

DRAINAGE FACILITIES - PLAN AND PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		2/2/84	Solid Waste		
A.C.E. - Design		8/28/84	Traffic		
A.C.E. - Hydrology		2/28/84	Water Res.		2/28/84

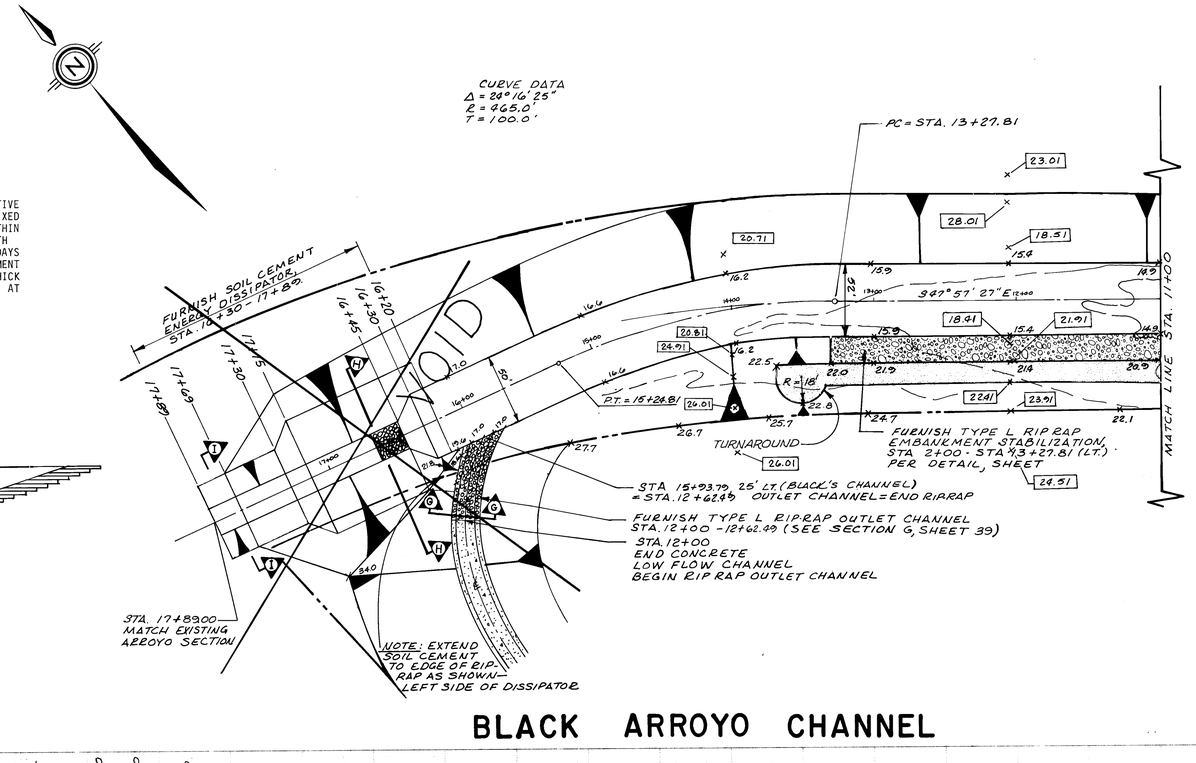
DRAWING NO 1869 | MAP NO A-13 | SHEET 34 OF 40

SOIL CEMENT EMBANKMENT STABILIZATION: SOIL CEMENT SHALL BE CONSTRUCTED FROM NATIVE GRANULAR SOILS WITH A 5% PORTLAND CEMENT CONTENT (BY WEIGHT) AND THOROUGHLY MIXED W/WATER TO OPTIMUM MOISTURE CONTENT. MIXTURE SHALL BE PROCESSED IN 6" LIFTS WITHIN 2 HRS. OF MIXING AND COMPACTED TO 95% OPTIMUM DRY DENSITY (MODIFIED) USING SMOOTH WHEELED VIBRATORY ROLLING EQUIPMENT. EMBANKMENT SHALL BE KEPT MOIST FOR 3 DAYS FOLLOWING PLACEMENT. AS AN ALTERNATE, CONTRACTOR MAY UTILIZE PLANT MIXED CEMENT TREATED BASE PER CURRENT CITY SPECIFICATIONS FOR ARTERIAL PAVEMENT. A 2' THICK X 4' DEEP CUT-OFF WALL OF THIS SAME SOIL CEMENT MIXTURE SHALL BE FURNISHED AT STA. 17 + 89 PER THE PROFILE BELOW.

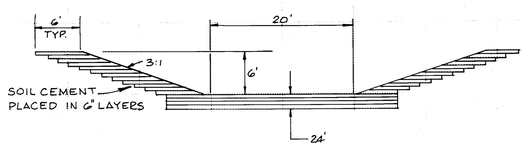


SECTION H

1" = 10'

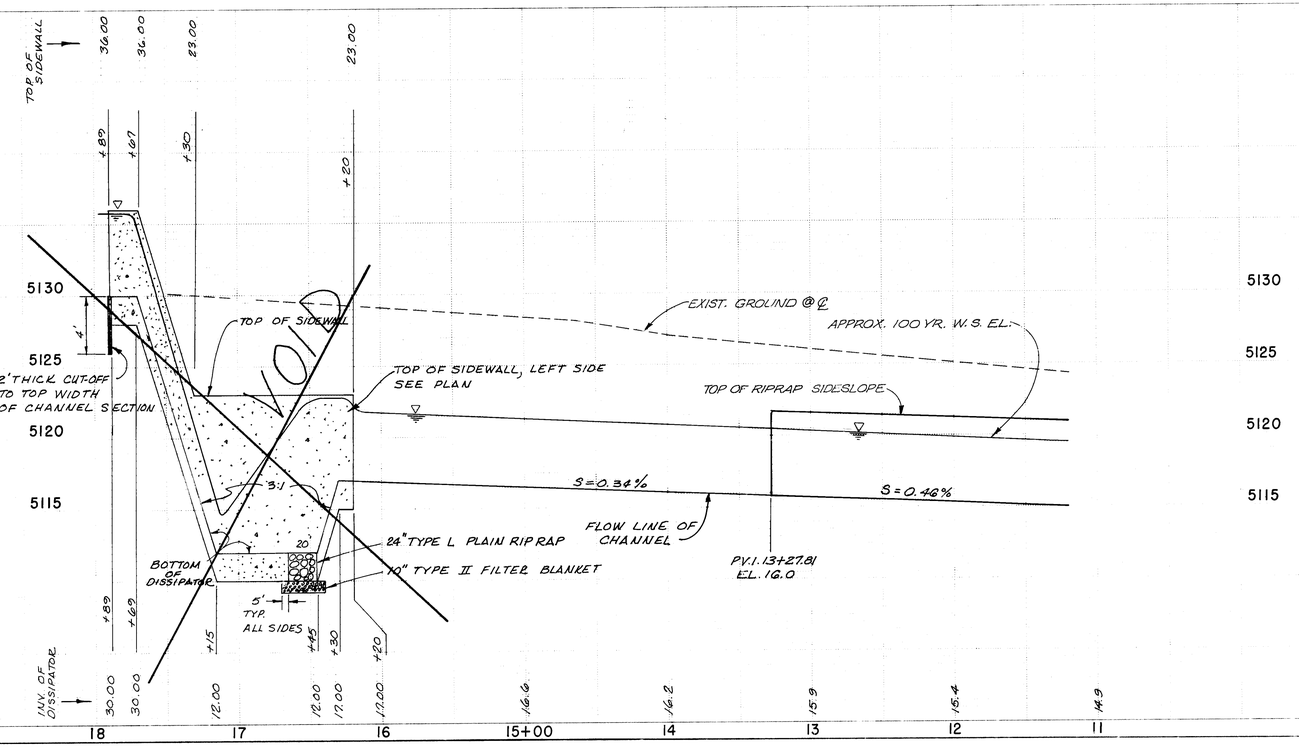


BLACK ARROYO CHANNEL



SECTION I

1" = 10'



AS BUILT

NOTE: THIS CERTIFICATION IS INTENDED TO INDICATE THAT IN THE ENGINEER'S OPINION THIS CONSTRUCTION IS IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN AS SHOWN (OR AS ANNOTATED WITH UPDATED FIELD GRADES WHERE INDICATED). IT IS NOT A VERIFICATION OF CONTRACT COMPLIANCE IN THE LEVEL OF DETAIL ASSOCIATED WITH FULL CONSTRUCTION INSPECTION OF THE PROJECT.

11/4/85

2L 1 8 0 7 3 5 8 6

SCALE: 1" = 50' Horizontal
1" = 5' Vertical

SURVEY INFORMATION

NO	FIELD NOTES BY	DATE

BENCH MARKS

A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

AS BUILT INFORMATION

MICROFILM INFORMATION

ENGINEER'S SEAL

KEVIN M. WHITMAN NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

1/27/84

NO	REMARKS	BY	DATE
	REVISIONS		
	DESIGN	K.M.W.	11-83
	DRAWN BY	W.J.W., J.B.	11-83
	CHECKED BY	K.M.W.	11-83

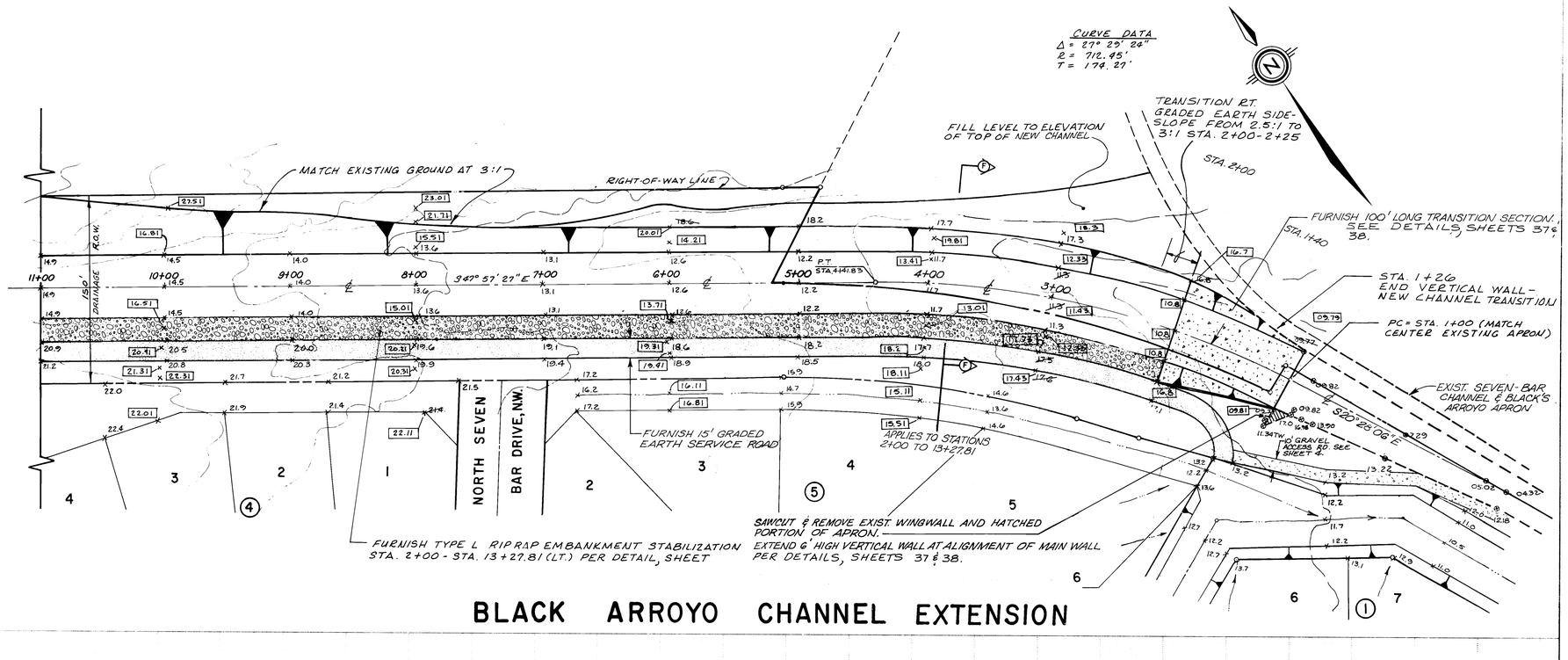
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE SALIDA DEL SOL - UNIT ONE - PAVING PLAN & PROFILE

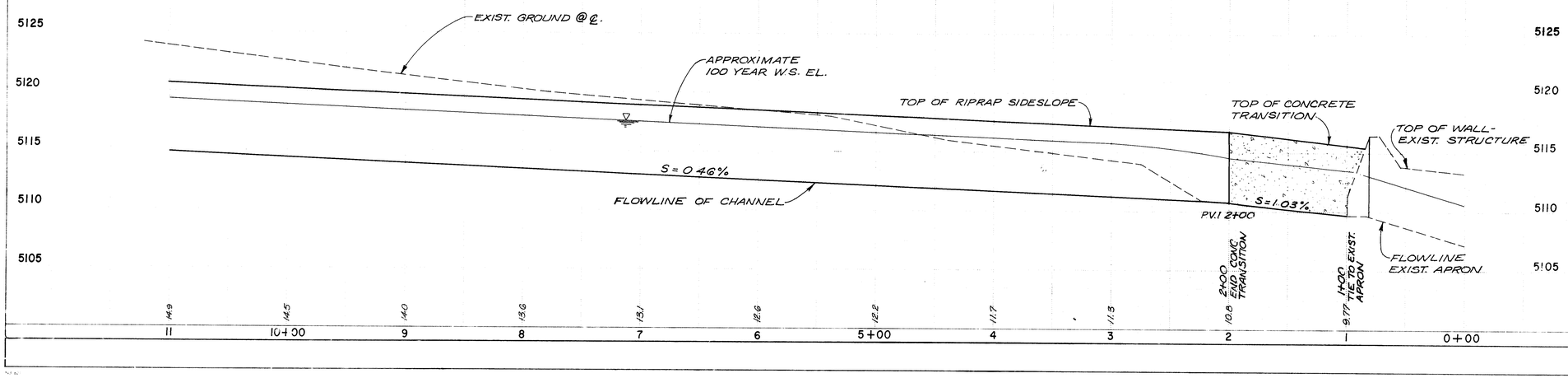
BLACK ARROYO CHANNEL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		5/6/84	Liquid Waste		
A.C.E. Design		8 Feb 84	Traffic	N/A	2/28/84
A.C.E. Hydrology		2/28/84	Water	Ros. N/A	2-8-84
A.M.A.F.C.A.	Kathleen Eland	2/13/84			

DRAWING NO 1869 | MAP NO A-13 | SHEET 35 OF 40



BLACK ARROYO CHANNEL EXTENSION



AS BUILT

Kent M. Whitman
11/4/85

NOTE: THIS CERTIFICATION IS INTENDED TO INDICATE THAT IN THE ENGINEER'S OPINION THIS CONSTRUCTION IS IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN AS SHOWN (OR AS ANNOTATED WITH UPDATED FIELD GRADES WHERE INDICATED). IT IS NOT A VERIFICATION OF CONTRACT COMPLIANCE IN THE LEVEL OF DETAIL ASSOCIATED WITH FULL CONSTRUCTION INSPECTION OF THE PROJECT.

26 1869 3 6 8 6

SCALE: 1" = 50' Horizontal
1" = 5' Vertical

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE SALIDA DEL SOL - UNIT ONE - PAVING PLAN & PROFILE

BLACK ARROYO CHANNEL

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			~~Liquid Waste~~		
A.C.E. - Design		2/6/84	Traffic	NA	2/8/84
A.C.E. - Hydrology		2/28/84	Water Res	NA	2-9-84
A.M.A.F.C.A.		2/28/84			

DRAWING NO. 1869 | MAP NO. A-13 | SHEET 36 OF 40

AS BUILT INFORMATION

BENCH MARKS

A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

MICRO FILM INFORMATION

SURVEY INFORMATION

FIELD NOTES

NO. | BY | DATE

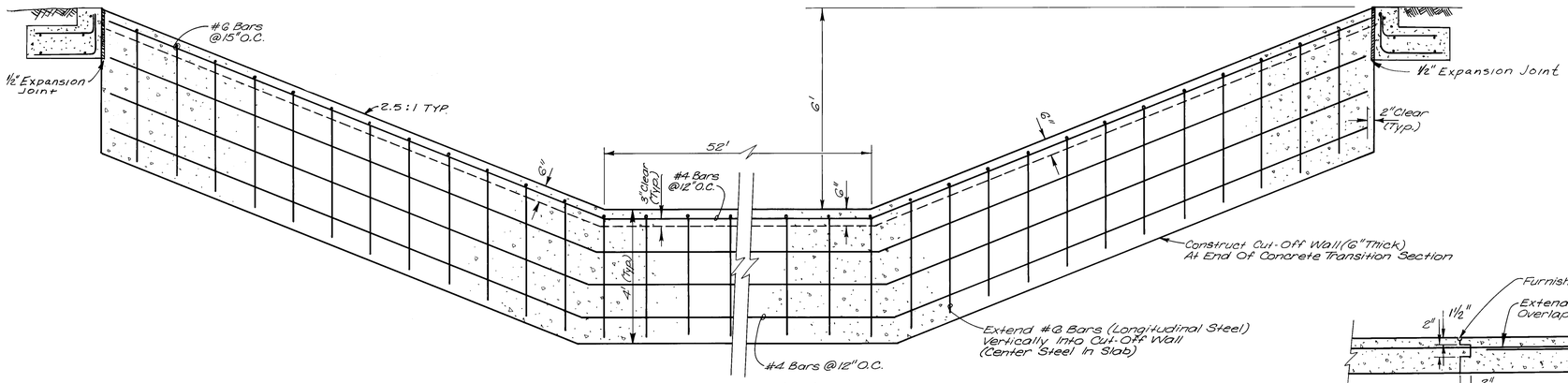
ENGINEER'S SEAL

KENT M. WHITMAN REGISTERED PROFESSIONAL ENGINEER

1/29/84

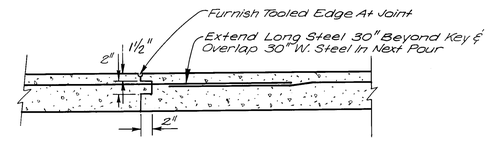
REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY K.M.W.	DATE 11-83
		DRAWN BY W.J.W., J.B.	DATE 11-83
		REVIEWED BY K.M.W.	DATE 11-83



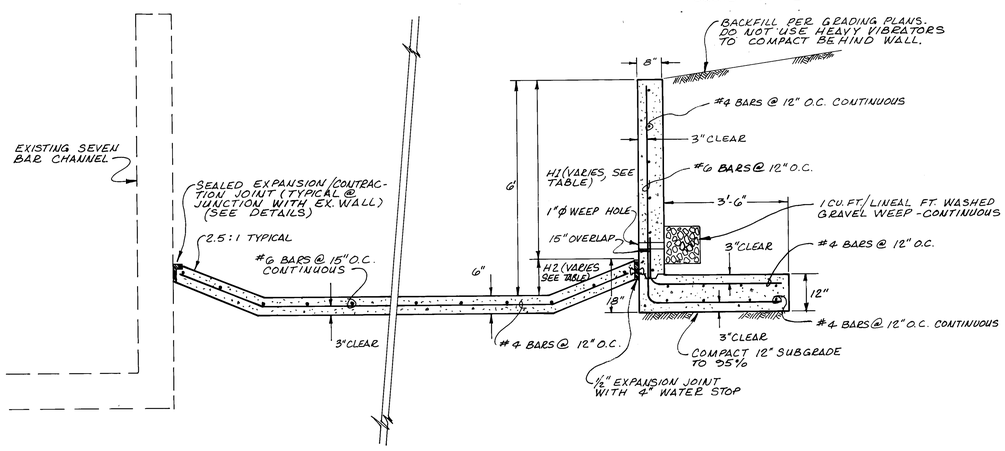
SECTION "E" - Concrete Cut-off @ End of Transition.

Scale: 1" = 2'



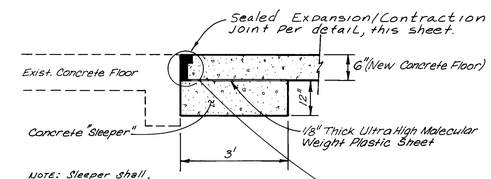
TYPICAL CONSTRUCTION JOINT

(TO BE USED BETWEEN POURS)
N.T.S.



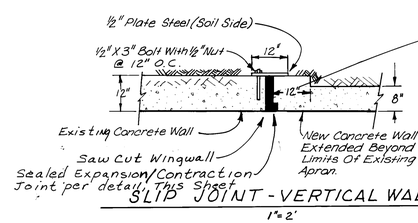
SECTION "B"

Scale: 1" = 2'



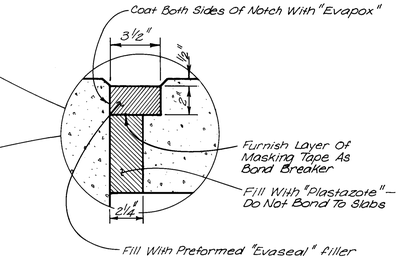
SLIP JOINT @ CHANNEL FLOOR

1" = 2'



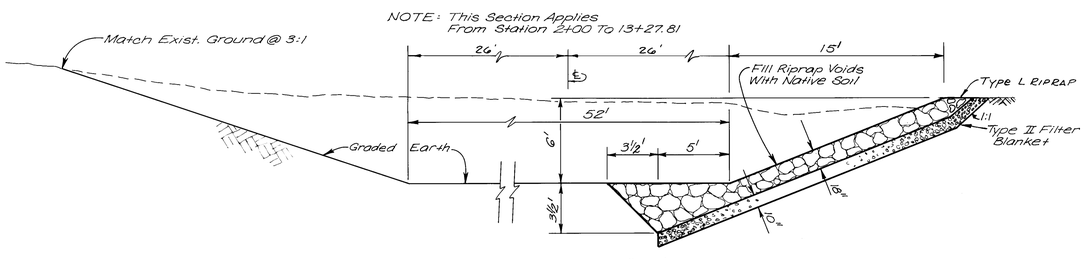
SLIP JOINT - VERTICAL WALL SOUTH

1" = 2'



SEALED EXPANSION/CONTRACTION JOINT

1" = ½"



SECTION "F"

Scale: 1" = 5'

TYPE L RIPRAP SPECS

% Smaller Than Given Size By Weight	Minimum Dimension Inches	*K_M Inches
100	12	9
35-55	9	
10	2	

Type II Filter Specs	
Sieve Size	% By Weight Passing Square Mesh Sieves
2"	90-100
3/4"	20-90
#4	0-20
#200	0-3

* K_M = Median Stone Size

RIP RAP SHALL BE HARD, DURABLE, ANGULAR STONE WITH A SPECIFIC GRAVITY OF 2.5 OR GREATER

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
RECORDED BY — DATE
NO

BENCH MARKS

A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

LEE M. WHITMAN — NEW MEXICO — REGISTERED PROFESSIONAL ENGINEER — 7919 — 1/27/84

AS BUILT

KENT M. WHITMAN — NEW MEXICO — 7919

11/4/85

NOTE: THIS CERTIFICATION IS INTENDED TO INDICATE THAT IN THE ENGINEER'S OPINION THIS CONSTRUCTION IS IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN AS SHOWN (OR AS ANNOTATED WITH UPDATED FIELD GRADES WHERE INDICATED). IT IS NOT A VERIFICATION OF CONTRACT COMPLIANCE IN THE LEVEL OF DETAIL ASSOCIATED WITH FULL CONSTRUCTION INSPECTION OF THE PROJECT.

26 18693786

NO.	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGNED BY	K.M.W.	11-83
DRAWN BY	J.B.	11-83
CHECKED BY	K.M.W.	11-83

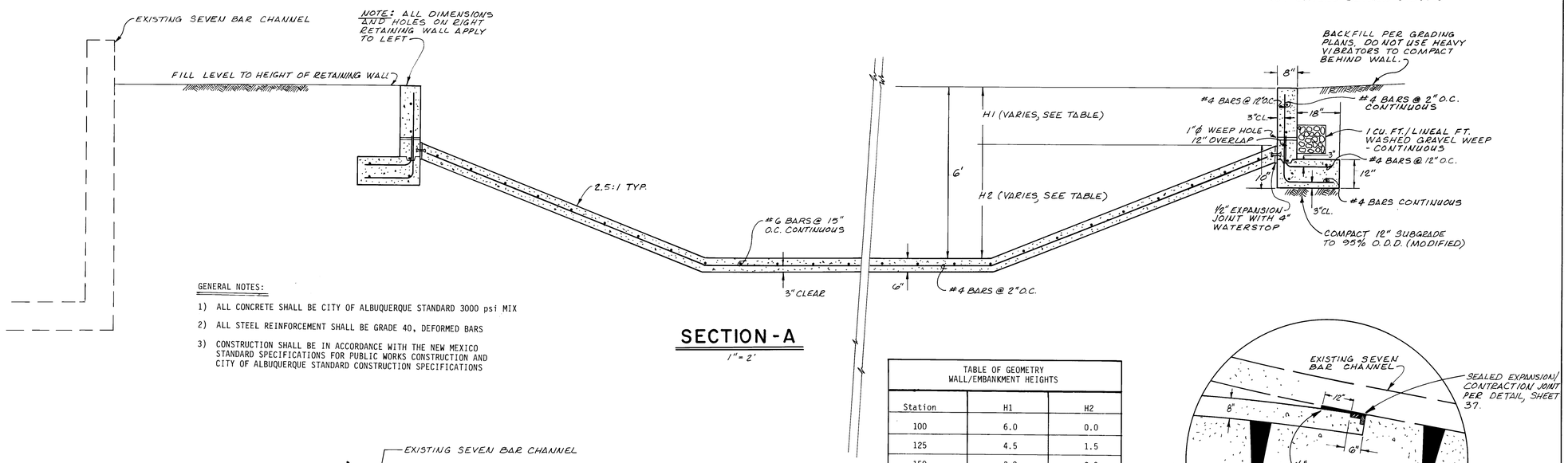
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SALIDA DEL SOL UNIT ONE

BLACK ARROYO CHANNEL DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			~~Liquid Waste~~		
A.C.E.-Design		8 Feb 84	Traffic		
A.C.E.-Hydrology		2/28/84	Water Res		2-8-84
A.M.A.F.C.A.		2/15/84			

DRAWING NO. 1869 — MAP NO. A-13 — SHEET 37 OF 40



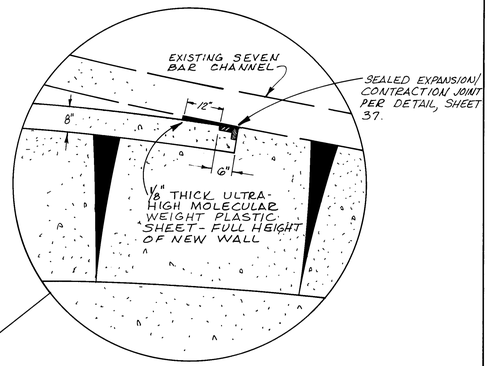
GENERAL NOTES:

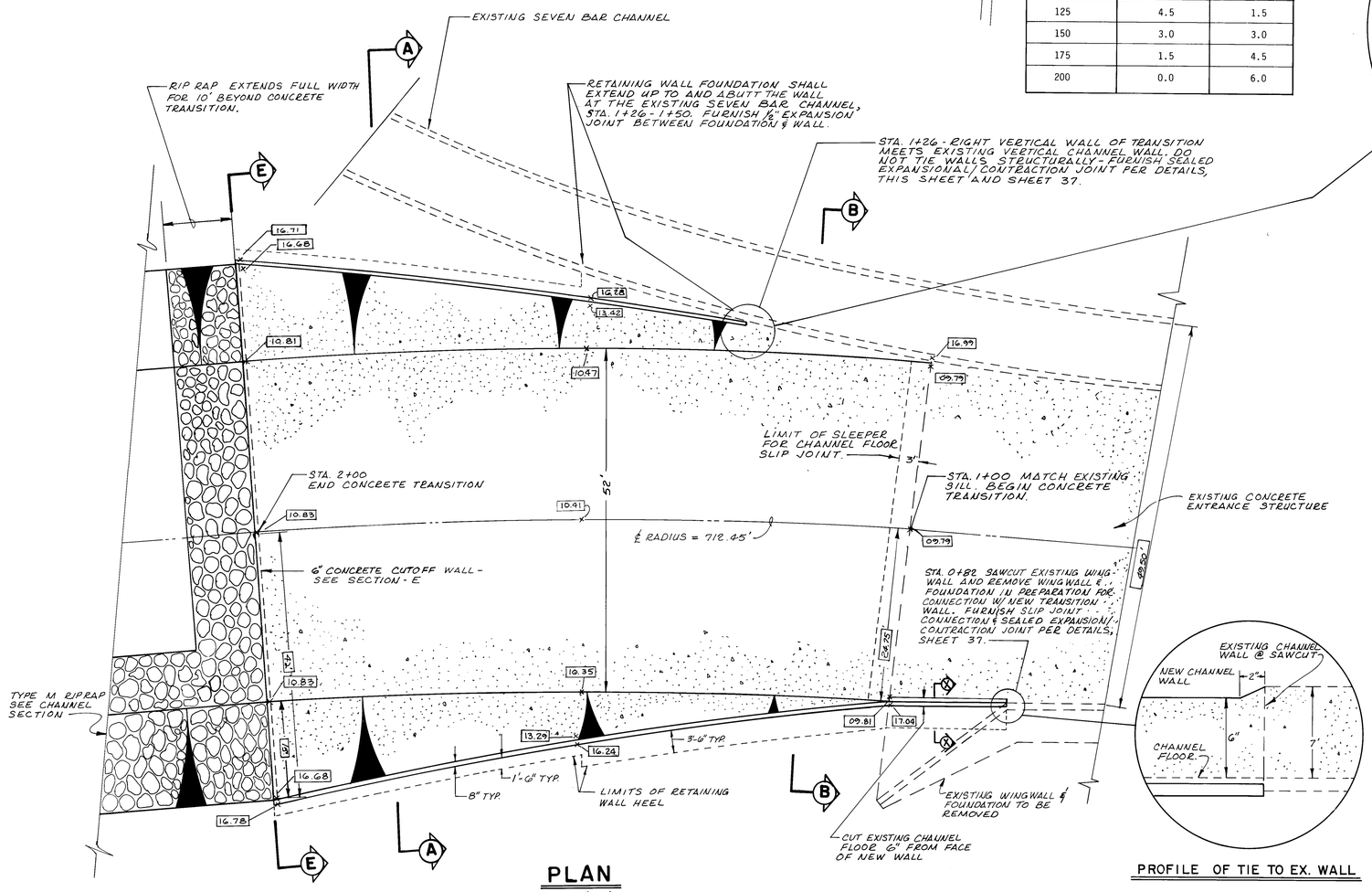
1) ALL CONCRETE SHALL BE CITY OF ALBUQUERQUE STANDARD 3000 psi MIX
2) ALL STEEL REINFORCEMENT SHALL BE GRADE 40, DEFORMED BARS
3) CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND CITY OF ALBUQUERQUE STANDARD CONSTRUCTION SPECIFICATIONS

SECTION - A

1" = 2'

TABLE OF GEOMETRY WALL/EMBANKMENT HEIGHTS		
Station	H1	H2
100	6.0	0.0
125	4.5	1.5
150	3.0	3.0
175	1.5	4.5
200	0.0	6.0

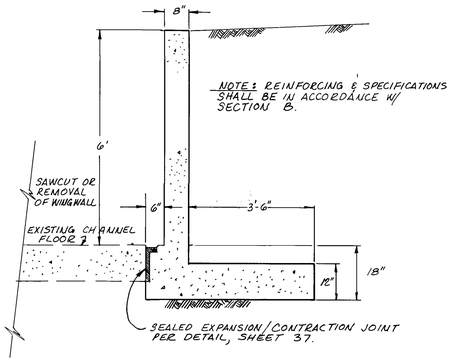




PLAN

1" = 10'

PROFILE OF TIE TO EX. WALL



SECTION - X (JOINT W/ SAWCUT CHANNEL FLOOR)

1" = 2'

AS BUILT INFORMATION

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

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

26 18693869

AS BUILT

11/4/85

NOTE: THIS CERTIFICATION IS INTENDED TO INDICATE THAT IN THE ENGINEER'S OPINION THIS CONSTRUCTION IS IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN AS SHOWN (OR AS ANNOTATED WITH UPDATED FIELD GRADES WHERE INDICATED). IT IS NOT A VERIFICATION OF CONTRACT COMPLIANCE IN THE LEVEL OF DETAIL ASSOCIATED WITH FULL CONSTRUCTION INSPECTION OF THE PROJECT.

NO.	DATE	REMARKS	BY

REVISIONS

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

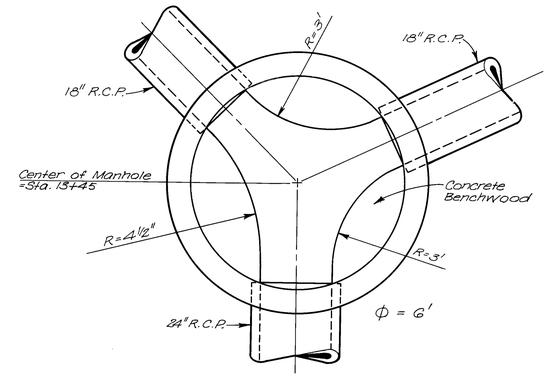
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SALIDA DEL SOL

BLACK ARROYO CHANNEL DETAILS

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

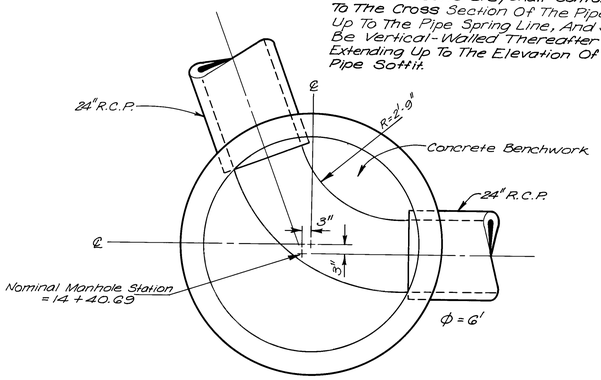
DRAWING NO.	MAP NO.	SHEET	OF
1869	A-13	38	40



BENCHWORK
MANHOLE 13+45 VISTA DEL SOL

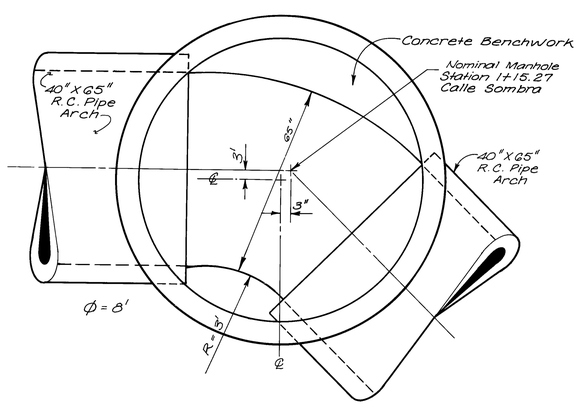
Scale: 1" = 2'

NOTE ON BENCHWORK:
Manhole Benchwork Shall Consist Of 3000 P.S.I. Concrete, Shall Conform To The Cross Section Of The Pipe Up To The Pipe Spring Line, And Shall Be Vertical-Walled Thereafter Extending Up To The Elevation Of The Pipe Soffit.



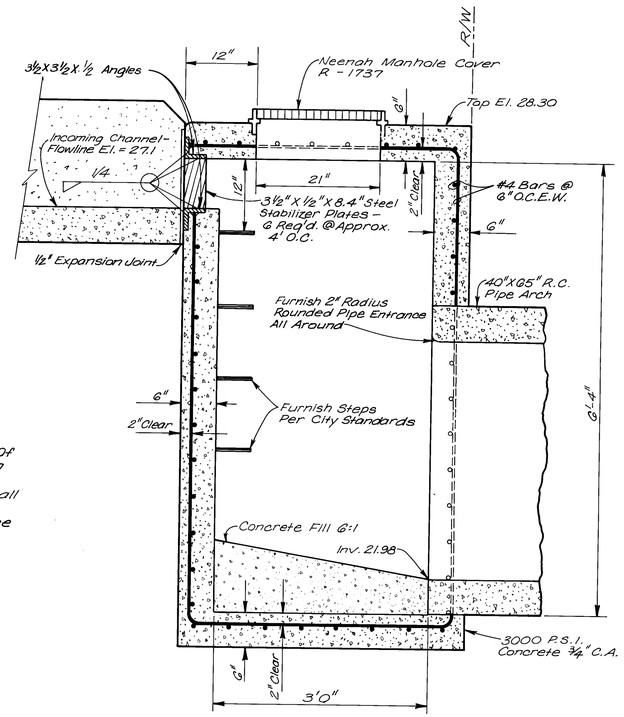
BENCHWORK
MANHOLE 14+40.69 VISTA DEL SOL

Scale: 1" = 2'



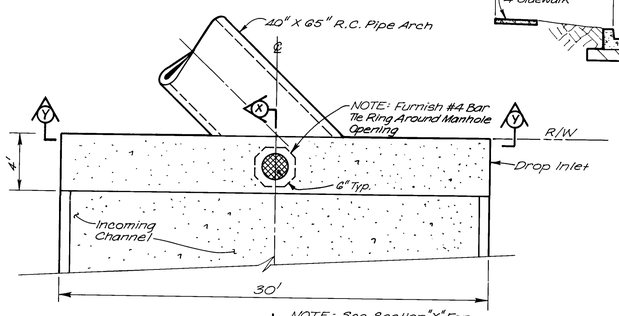
BENCHWORK
MANHOLE 1+15.27 CALLE SOMBRA

Scale: 1" = 2'



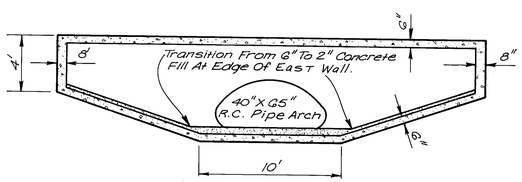
SECTION "X"

Scale: 1" = 1'



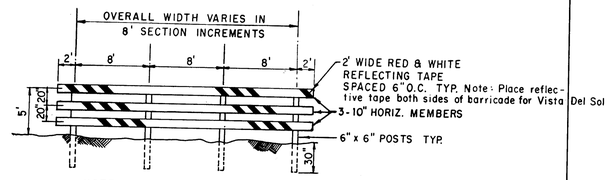
PLAN

Scale: 1" = 5'



SECTION "Y"

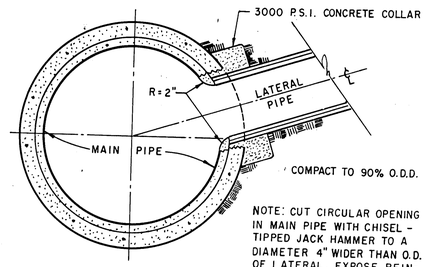
Scale: 1" = 5'



NOTE: STRUCTURAL MATERIAL SHALL BE WEATHER PROTECTED # 2 PINE.

BARRICADE DETAIL

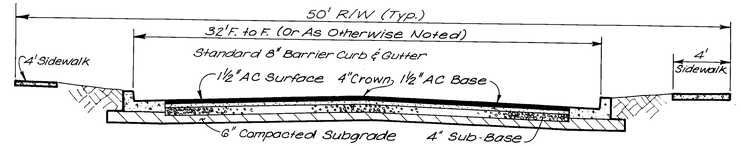
N.T.S.



NOTE: CUT CIRCULAR OPENING IN MAIN PIPE WITH CHISEL-TIPPED JACK HAMMER TO A DIAMETER 4" WIDER THAN O.D. OF LATERAL. EXPOSE REINFORCEMENT IN BOTH PIPE & SPOT WELD MAIN PIPE REINFORCEMENT TO LATERAL REINFORCEMENT. THEN FILL ALL VOIDS WITH CONCRETE.....

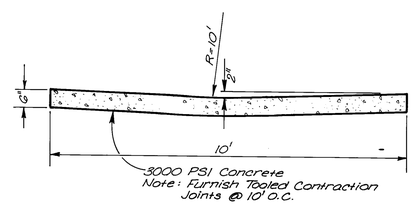
LATERAL CONNECTION DETAIL

N.T.S.



TYPICAL RESIDENTIAL STREET SECTION

N.T.S. All streets except Seven Bar Dr.



SPECIAL DESIGN
10' WIDE VALLEY GUTTER

Scale: 1" = 2'

BENCH MARKS

A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205" - ELEVATION = 5110.55

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

AS BUILT INFORMATION

CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTORS FIELD TOLERANCE BY — DATE
VERIFICATION BY FIELD TOLERANCE — DATE
CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO

ENGINEER'S SEAL

KENT M. WHITMAN — NEW MEXICO — REGISTERED PROFESSIONAL ENGINEER — 6176
1/21/84

26 18693986

AS BUILT

KENT M. WHITMAN — NEW MEXICO — REGISTERED PROFESSIONAL ENGINEER — 6176
11/4/85

NOTE: THIS CERTIFICATION IS INTENDED TO INDICATE THAT IN THE ENGINEER'S OPINION THIS CONSTRUCTION IS IN SUBSTANTIAL COMPLIANCE WITH THE DESIGN AS SHOWN (OR AS ANNOTATED WITH UPDATED FIELD GRADES WHERE INDICATED). IT IS NOT A VERIFICATION OF CONTRACT COMPLIANCE IN THE LEVEL OF DETAIL ASSOCIATED WITH FULL CONSTRUCTION INSPECTION OF THE PROJECT.

REVISIONS

NO.	DATE	REMARKS	BY

		DATE
DESIGNED BY	K.M.W.	11-83
DRAWN BY	J.B.	11-83
CHECKED BY	K.M.W.	11-83

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

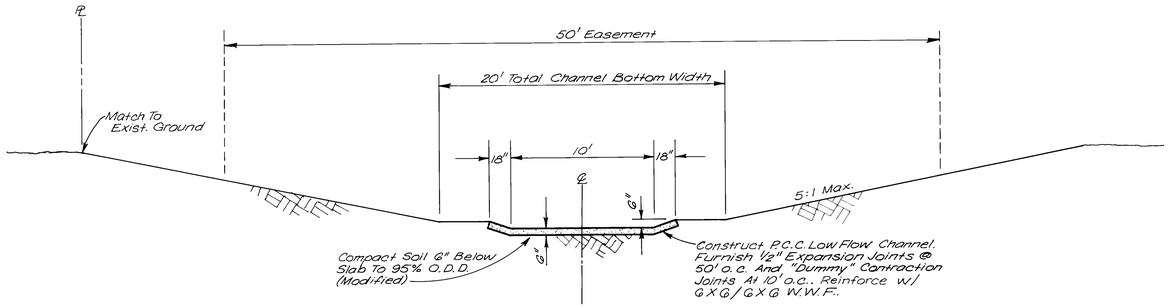
TITLE: SALIDA DEL SOL UNITS ONE AND TWO

CROSS-SECTIONS & DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C.D. Mahoney	3/28/84	Liquid Waste		
A C E - Design	[illegible]	3/28/84	Traffic	T.W. Kennedy	2/28/84
A C E - Hydrology	[illegible]	2/28/84	Water Res.	NA WFZ	2-28-84

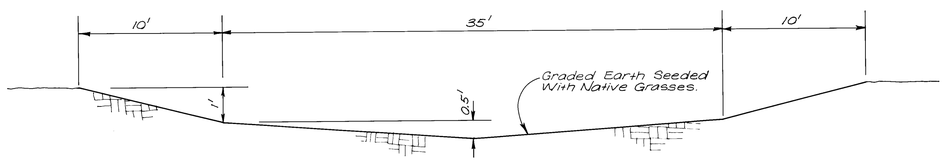
DRAWING NO	MAP NO.	SHEET	OF
1869	A-13	39	40

2001



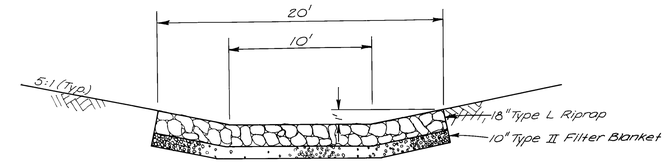
SECTION "C"

Scale: 1" = 5'



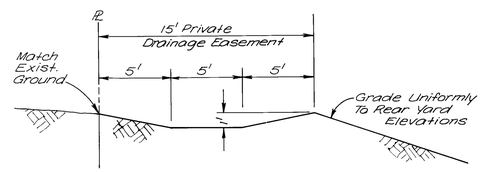
SECTION "A"

Scale: 1" = 5' Horz.
1" = 2' Vert.



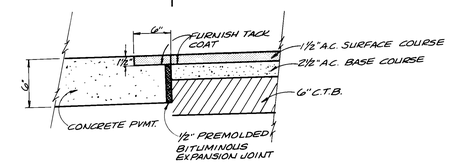
SECTION "G"

Scale: 1" = 5'



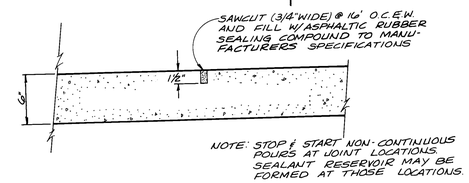
SECTION "B"

Scale: 1" = 5'



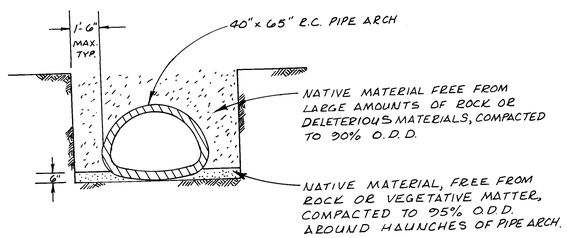
CONCRETE TO ASPHALT OVERLAP JOINTS

N.T.S.



CONTRACTION JOINT

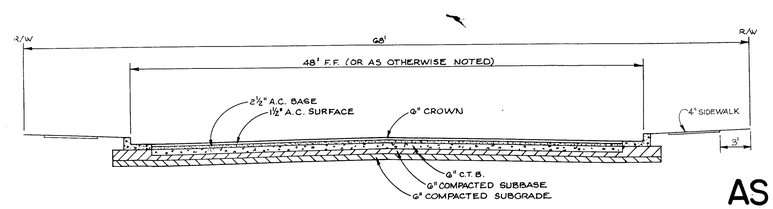
N.T.S.



BEDDING DETAIL

R.C. PIPE ARCH

N.T.S.



TYPICAL COLLECTOR STREET SECTION

NOT TO SCALE

AS BUILT

KENT M. WHITMAN
REGISTERED PROFESSIONAL ENGINEER

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26 1869 4086

AS BUILT INFORMATION

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

BENCH MARKS

A SQUARE CHISLED IN THE TOP OF THE EASTERLY WALL OF THE A.M.A.F.C.A. FLOOD DIVERSION NO. 2 CHANNEL, APPROXIMATELY 180 FEET SOUTH OF THE POINT OF CONFLUENCE WITH THE SKYVIEW DRAINAGE CHANNEL ESTABLISHED BY BOHANNAN-HUSTON AND MARKED "TBM 205". ELEVATION = 5110.55

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

KENT M. WHITMAN — REGISTERED PROFESSIONAL ENGINEER — TENNESSEE

1/21/84

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY K.M.W. DATE 11-83
DRAWN BY J.B. DATE 11-83
CHECKED BY K.M.W. DATE 11-83

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SALIDA DEL SOL UNITS ONE AND TWO

CROSS SECTIONS & DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design		3/2/84	Traffic	T.W. Kennedy	2/25/84
A.C.E. - Hydrology		2/28/84	Water Res	NA	2-9-84

DRAWING NO. 1869 | MAP NO. A-13 | SHEET 40 OF 40