HYDROLOGY

B18/~~D3~~ D2
7 PLANS
3 of 3

VENICE AVE.

BEVERLY HILLS AVENUE

SAN DIEGO AVE.

SAN DIEGO AVENUE

FLORENCE AVENUE

ALAMEDA AVENUE

EAGLE ROCK AVENUE

OAKLAND AVENUE

ALBUQUERQUE

SIGNETICS
ALBUQUERQUE FACILITY
FILED: 2-10-81
C13-3

INTERSTATE 25

DRIVE

PEDRO

LOUISIANA BLVD.

NORTH ALBUQUERQUE ACRES

TRACT A
FILED: 4-24-36

UNIT 3
D1-30

UNIT 3
D1-31

UNIT 3
D1-32

UNIT 3
D1-33

UNIT 3
D1-34

UNIT 3
D1-35

UNIT 3
D1-36

UNIT 3
D1-37

UNIT 3
D1-38

UNIT 3
D1-39

UNIT 3
D1-130

UNIT 3
D1-131

LOT A LOT B
FILED: 2-3-79
B16-3

60" RCP STORM DRAIN

EXIST. Q_{100} 1280 cfs

1-24" RCP

72" RCP STORM DRAIN

3-10X10 BOX CULVERTS
EXIST. Q_{100} 7000 cfs

A.M.A.F.C.A. PARCEL
W.D. NO. 84/40993
FILED: 6-1-84
D213-A PG. 460-461

A.M.A.F.C.A. PARCEL

Q_{100} = 6820 cfs

SOUTH CAMINO ARROYO

LA CUEVA ARROYO

VAC. ORD. NO. 259

VAC. ORD. NO. 133

30' FOR CULVERTS

80' FOR DRAINAGE SWALE

1-36" RCP CULVERT
Q_{100} = 29 cfs
(EXTEND WEST TO SWALE)

2-48" RCP CULVERTS
Q_{100} = 125.1 cfs
(EXTEND WEST TO SWALE)

1-24" RCP CULVERT
Q_{100} = 4.8 cfs

AMAFCA EASEMENT
FILED K18-85 MISC 1958 PG. 357-359

22-24" RCP CULVERT
Q_{100} = 4.8 cfs
(EXTEND SOUTH TO LA CUEVA ARROYO)

LOT TO BE PURCHASED BY AMAFCA

N 89°45'58" W 465.20

S 89°45'58" E 465.24

S 00°13'23" W 587.54

N 00°13'20" W 995.29

S 00°13'20" W 950.01

N 89°40'21" W 1456.22

N 89°40'21" W

N 74°31'40" E 156.63

N 00°18'16" W 178.55

N 89°45'20" W 193.9

N 00°13'27" E 759.55

S 00°12'28" W 234.24

N 89°30'06" W 164.48

N 00°07'20" E 233.75

NOTE: FOR SECTIONS A-A, B-B, C-C, D-D & E-E SEE SHEET 6

LEGEND

2	DRAINAGE BASIN
←	FLOW DIRECTION
AP 1	ANALYSIS POINT
	STORM DRAIN

SHEET 5 of 6

Date	
Revision	
	CONCEPTUAL DRAINAGE MANAGEMENT PLAN for CORONADO AIRPORT PROPERTY
Project No.	PROPOSED DRAINAGE MANAGEMENT PLAN
Seal	Daniel J. Shelton 6/6/85
Job No. 51190	Sheet 5 Of 6
Drawn By: SVR	Date: 5-85
Checked By: DG	Scale: 1" = 200'

NOTE:

Boundary information shown on this map is compiled from a plat entitled LANDS OF CORONADO AIRPORT (filed 10/10/84, C25-54) and a certificate of survey entitled PORTION OF BLOCKS 4, 5 & 6, TRACT A, UNIT B, NORTH ALBUQUERQUE ACRES (executed 10/17/84) both being prepared by Albuquerque Surveying Company, Inc.

267.9295 ACRES

SCALE 1" = 200'

Plan Shot In Two Sections.

VENICE AVE.

BEVERLY HILLS AVE.

SAN DIEGO AVE.

INTERSTATE

VENICE AVENUE

BEVERLY HILLS BLVD. AVENUE

SAN DIEGO AVENUE

FLORENCE AVENUE

GLENDALE AVENUE

ALAMEDA AVENUE

EAGLE ROCK AVENUE

OAKLAND AVENUE

ALBUQUERQUE DRIVE

SAN PEDRO

LOUISIANA

ALBUQUERQUE UNIT 3 D-121 ACRES

NORTH TRACT FILED: 2-10-31

TRACT A FILED: 4-24-36

UNIT B D-130

UNIT 3 D-120 ACRES

LOT A LOT B FILED: 2-5-79 B16-3

LOT A B FILED: 10-7-60 B18-52

SIGNETICS ALBUQUERQUE FACILITY FILED: 2-10-31 C18-3

60" RCP STORM DRAIN

72" RCP STORM DRAIN

2-48" RCP INV. = 5184.6

1-24" RCP INV. = 5197.9

1-24" RCP INV. = 5196.3

5'10" X 10' BOX CULVERT INV. = 5186.2

1-36" RCP CULVERT

2-48" RCP CULVERTS

1-24" RCP CULVERT

1-24" RCP CULVERT

1-24" RCP CULVERT

A.M.A.F.C.A. PARCEL W.O. NO. 84-4-0895 FILED: 6-1-84 D213-A PG. 460-461

A.M.A.F.C.A. PARCEL

A.M.A.F.C.A. EASEMENT FILED: K18-85 MISC 1954, PG. 357-359

EASEMENT LOS ANGELES COUNTY FLOOD CONTROL DISTRICT

VAC. ORD. NO. 133

VAC. ORD. NO. 259

VAC. ORD. NO. 230

N 89°45'58" W 465.20

S 89°45'56" E 465.21

S 00°13'23" W 587.54

S 00°13'20" W 995.29

N 89°40'21" W 1456.22

N 89°40'21" W 960.91

N 00°13'27" E 469.35

N 74° E 1263.18

N 86°22'30" W 164.54

S 00°18'16" W 178.55

N 89°45'20" W 99.91

S 00°12'28" W 234.24

N 89°30'06" W 164.48

N 00°07'20" E 283.75

2.66%

2.20%

2.54%

NOTE: FOR SECTIONS A-A, B-B, C-C, D-D & E-E SEE SHEET 1

BENCHMARK

THE STATION MARK IS A STANDARD ACS BRASS TABLET, STAMPED "2-B18", SET IN THE TOP OF A CONCRETE POST PROJECTING 0.3'ft. ELEVATION = 5281.817

CONCEPTUAL DRAINAGE MANAGEMENT PLAN for CORONADO AIRPORT PROPERTY

PRELIMINARY GRADING PLAN

Date | Revision | By

Project No.

Seal

Daniel J. Hudson 6/6/85

Job No. 51190 | Sheet 6 Of 6

Drawn By: SVR | Date: 5-85

Checked By: DG | Scale: 1" = 200'

HYDROLOGY

D2

B18/~~D3~~

7 PLANS

1 of 3

B18/D3

7 Plans

NOTE:

Boundary information shown on this map is compiled from a plat entitled LANDS OF CORONADO AIRPORT (filed 10/10/84, C25:54) and a certificate of survey entitled PORTION OF BLOCKS 4, 5 & 6, TRACT A, UNIT B, NORTH ALBUQUERQUE ACRES (executed 10/17/84) both being prepared by Albuquerque Surveying Company, Inc.

SCALE 1" = 200'

267.9295 ACRES

Plan Shot In Two Sections.

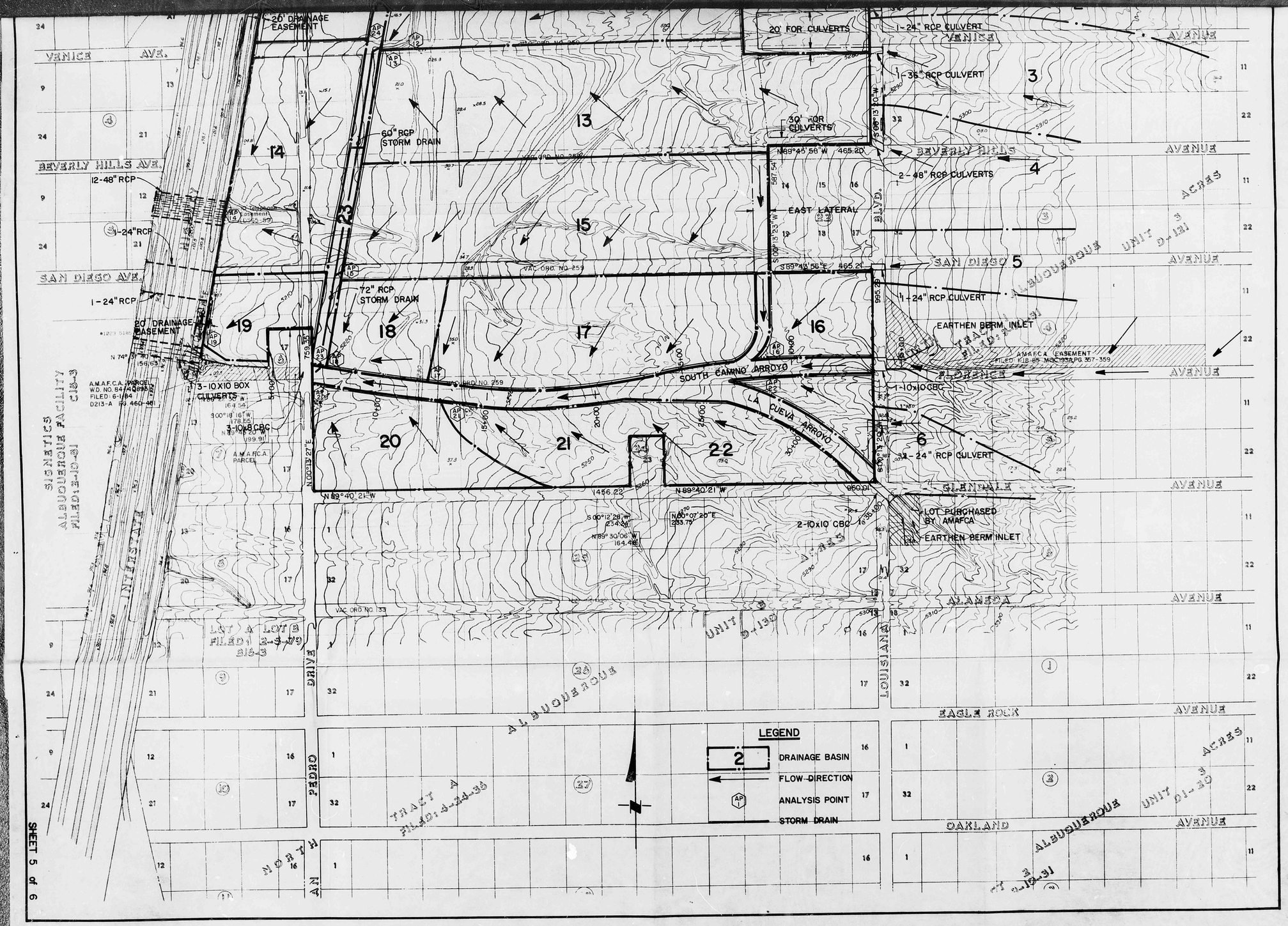


PLATE 1

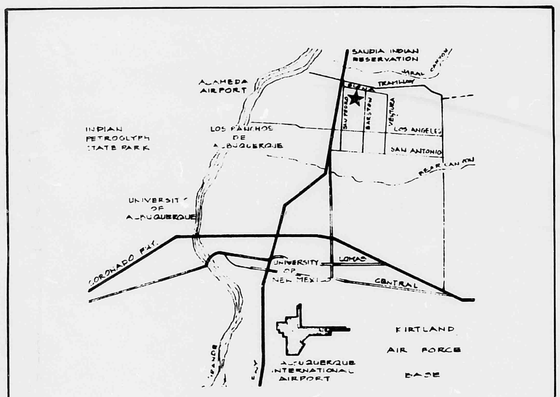
CORONADO INDUSTRIAL PARK GENERAL SITE PLAN

APRIL 1986

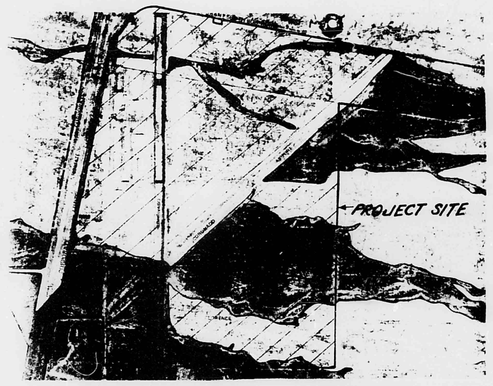
SCALE: 1" = 800'

PLAN SHOT IN TWO SECTIONS.

CONCEPTUAL DRAINAGE MANAGEMENT PLA
for
CORONADO AIRPORT PROPERTY



LOCATION MAP
NOT TO SCALE



FLOODWAY MAP
SOURCE: FLOOD INSURANCE STUDY (9/83)



INTRODUCTION

This plan defines the necessary facilities required to manage on-site and off-site runoff for the Coronado Airport Property. The analysis is broken down as follows:

- Existing Conditions
- Hydrologic Summary
- Street Criteria/Analysis
- Proposed Conditions
- Project Phasing

EXISTING CONDITIONS

Sheet 2 identifies existing conditions on the site. Broad floodplains cover much of the property during the 100-year storm. The boundaries of these floodplains have been obtained from the Albuquerque Flood Insurance Map (effective date September 1983).

The flood plains are caused by flows in several major arroyos, namely the La Cueva Arroyo, El Camino Arroyo and the North El Camino Arroyo. Numerous smaller watersheds also impact the site. The natural flowpaths of the major arroyos listed above have been identified on Sheet 2.

Several drainage facilities are located at Interstate 25 which allow runoff generated to the east to flow under the freeway. In April of this year, a triple 10'x 10' box culvert was constructed to convey flows generated by the La Cueva Arroyo. Two large batteries of pipes (12-48" RCP's) are in place to convey flows from the El Camino Arroyo and North El Camino Arroyo respectively.

The flowrates and the existing hydraulic capacity of each structure were obtained from the "North I-25/Richfield Sector Plan Drainage Management Report". This document provides supplemental drainage information for the North I-25/Richfield Sector Plan which is currently undergoing revision prior to presentation to the Environmental Planning Commission. Sheets 3 and 4 are taken from that report.

HYDROLOGIC SUMMARY

Sheet 1 contains the hydrologic summary of flowrates generated by on-site drainage basins. Sheet 5 identifies these basins. The Rational Formula was used to compute the 10-year and 100-year flowrates. The Development Process Manual (DPM), Chapter 22 was referenced to compute input parameters necessary to calculate peak rates.

STREET CRITERIA/ANALYSIS

Outlined below is the classification of major streets within the site:

Street	Classification
San Pedro Boulevard	Collector
Louisiana Boulevard	Minor Arterial
San Diego Avenue	Collector
Elena Avenue	Collector

Section 7 of the City of Albuquerque Drainage Ordinance has been referenced to define flow criteria for these major streets. The most stringent criteria for each network is that the "10-year design storm runoff shall not exceed a depth of 0.5' in any arterial or collector street" (Section 7C).

Preliminary grades have been established for each street. The DPM Street Capacity Curves have been referenced to identify (see Sheet 6) the flow carrying capacity at a flow depth of 0.5 feet, measured at the curbline. Outlined below are the results:

Street	Slope	10-Year Storm Capacity
San Pedro Blvd.	0.50%	19.0 cfs
San Diego Avenue	3.09%	48.0 cfs
Elena Ave.	2.46%	43.0 cfs

The 10-year storm capacity of each street,except San Pedro, has been used to define what storm sewer facilities will be required. The sizing and location is defined in the Proposed Condition Section. The San Pedro storm sewer has been sized for the 100-year storm. The lack of a direct runoff route in San Pedro to a channel precluded the use of the 10-year street criteria.

PROPOSED CONDITIONS

Northeast Heights Drainage Management Plan

Sheets 3 and 4 outline conceptually how runoff will be controlled in the general area. The "Northeast Heights Drainage Management Plan" currently guides drainage management in the area. Modifications to this plan will be presented to the Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA) Board for adoption. Key elements that impact the Coronado Airport Property are:

1. The El Camino Arroyo will be diverted and its flows combined with the La Cueva Arroyo. Flows will cross I-25 through the recently constructed triple 10'x 10' box culvert.
2. A diversion facility will be required to divert flows from the North El Camino Arroyo into the concrete channel along the north boundary of the site.
3. A crossing structure will be required at the Glendale Avenue/ Louisiana Boulevard intersection to convey the flows from the La Cueva Arroyo.

Major Arroyo Systems

Outlined below is how the major arroyo systems will be managed. Please refer to Sheet 5 for more detail.

La Cueva Arroyo - The 100-year flowrate in this arroyo is approximately 4760 cfs. It enters the site at the intersection of Glendale Avenue and Louisiana Boulevard. It is proposed that a box culvert be constructed at a 45° angle across the intersection to convey the flows. The advantage of this proposal is that only one structure will be required across these two major streets. From the intersection, flows will be conveyed in a concrete channel. The channel's cross-section is shown on this sheet.

Diversion upstream of the intersection will be required to direct runoff into the crossing. Preliminary discussions have been held with AMAFCA about the possibility of their agency participating in the acquisition of property to construct this diversion. At the May 23, 1985 AMAFCA Board of Directors meeting, the Executive Engineer was authorized to purchase the lot on the southeast corner of the intersection to allow for the construction of the crossing structure's entrance.

El Camino Arroyo - This arroyo which carries approximately 2400 cfs will be diverted from the historic flowpath on the site and flows will combine with the La Cueva Arroyo. The cross-section of this concrete channel is also shown on this sheet. Runoff from this arroyo will be conveyed under Louisiana Boulevard. AMAFCA has obtained a permanent easement to divert flows and construct necessary facilities on the softball fields immediately east of Louisiana Boulevard. It is anticipated that necessary diversion facilities will be constructed on the softball complex.

AMAFCA has proposed that a vertical wall channel be constructed from I-25 east to San Pedro Drive. They would consider cost sharing the construction of this reach of the arroyo with the adjoining land owner.

North El Camino Arroyo - A standard concrete channel will convey flows from this arroyo across the site. This cross-section is shown on this sheet. A diversion will be required on the property to divert the local floodplain into the channel. The area of land required for this diversion is shown on Sheet 5 at the northeast corner of the site.

Minor Arroyo Systems

Numerous smaller arroyos impact the site from the east. Diversion of these flowrates cannot take place since the properties are not controlled by the developer of the Coronado property. Sheet 5 identifies how these flows will be conveyed under Louisiana Boulevard. A conveyance way/open space corridor will be provided to convey these off-site flows to the north or south and into the major arroyo systems. A cross-section of these conveyance ways are shown on this sheet. Flowrates for these offsite arroyo systems were computed using DPM methodology, 22.2 F-1. A Curve Number of 78 was used for the undeveloped upstream basins based on a "B" type soil.

On-Site Management

Sheet 5 identifies the on-site basins which drain to different drainage facilities. Basins on the north and south end of the site will discharge directly into the concrete channels. Those basins which cannot discharge directly to the arroyos will be directed to the street system and conveyed to the channels in storm sewers. The storm sewer sizes have been based on Manning's flow equation. The sizing has also been directed by the 10 and 100-year street criteria for the collector streets.

Several basins west of San Pedro Boulevard must discharge developed runoff under I-25 through existing facilities. To mitigate the impact on the downstream system west of the freeway, a detention pond will be required on these tracts. Coordination with the New Mexico State Highway Department for discharges into these culverts will be required.

Sheet 6 is a preliminary grading plan for the streets and arroyo systems. DPM criteria for storm sewer laterals connecting to concrete channels was the governing factor in establishing street and channel grades along San Pedro Boulevard.

SUMMARY/RECOMMENDATIONS

The drainage management guidelines outlined above have been developed utilizing existing policy and criteria. If the recommendations are followed in final design, an integrated system will be developed which provides adequate protection to the property. Following are recommendations which should guide final design of the major infrastructure as well as development of individual parcels.

1. Further contact with AMAFCA should be made at the earliest possible date to pursue their plans of acquiring land east of Louisiana Boulevard to construct the La Cueva Arroyo Diversion. Cost sharing with AMAFCA for drainage facilities along this arroyo should also be investigated. However, except the reach between I-25 and San Pedro this possibility appears small.
2. Permanent concrete channels for the various arroyo system should be constructed in accordance with the cross-sections shown on this sheet. Discussions with City Planning Department should continue to investigate the possibility of obtaining open space credit along the La Cueva Arroyo and other arroyo systems and drainage corridors.
3. Diversions for offsite flows shall be provided on the Coronado property unless additional land can be acquired east of Louisiana to construct these facilities.
4. The design of major infrastructure shall be provided with detailed supporting calculations.
5. Individual tracts within the boundaries of the property cannot develop until the temporary and/or permanent facilities required to drain and protect them are in place.
6. Individual drainage reports will be required for each development within the project area to insure it complies with the guidelines in this document.

see next sheet

PROPOSED

Basin	Analysis Point	Area (Acres)	Longest Reach*	Slop
1	1	6.42	1650	0.02
2	2	5.39	570	0.02
3	3	22.54	2000	0.02
4	4	11.24	1400	0.01
5	5	20.07	1950	0.02
6	6	3.26	550	0.01
7	7	5.01	800	0.01
8	8	16.60	1900	0.02
9	9	5.57	900	0.01
10	10	6.54	750	0.01
11	11	5.97	750	0.00
12	12	16.97	2100	0.02
13	13	25.94	2650	0.02
14	14	12.95	1200	0.01
15	15	24.24	2450	0.02
16	16	4.14	700	0.02
17	17	16.49	1750	0.02
18	18	4.89	800	0.01
19	19	4.41	700	0.02
20	20	7.93	1400	0.02
21	21	7.64	1450	0.02
22	22	7.75	1350	0.02
23	23	1.70	980	0.00
24	24	3.15	1100	0.00
25	25	8.26	1000	0.01

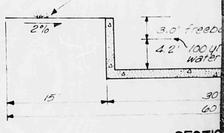
OFFSITE DRAINAGE
(Except to Main Channel

Basin	Area	Longest Reach	Slope	Tc
1	388.54	15100	0.0343	47.2
2	5.18	1200	0.0283	10.0
3	18.37	2250	0.0302	11.4
4	131.36	8200	0.0307	30.8
5	2.84	750	0.0320	10.0
6	2.44	820	0.0378	10.0

* SCS Curve Number/CFS per Inch of runoff
**Inches of runoff

No downstream capacity analysis

9/85

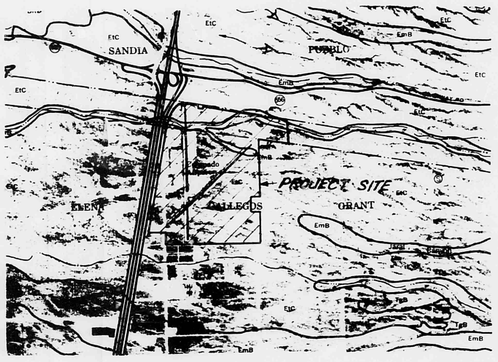


SECTIO
SCALE:

MENT PLAN

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SOILS MAP
SOURCE: SCS SOIL SURVEY

INDEX

1 - TEXT/GENERAL INFORMATION/ HYDROLOGIC SUMMARY

2 - EXISTING CONDITIONS

3 - NORTHEAST HEIGHTS DRAINAGE MANAGEMENT PLAN MODIFICATION

4 - NORTHEAST HEIGHTS DRAINAGE MANAGEMENT PLAN MODIFICATION

5 - PROPOSED DRAINAGE MANAGEMENT PLAN

6 - PRELIMINARY GRADING PLAN

JUN 07 1985
HYDROLOGY SECTION

CONCEPTUAL DRAINAGE MANAGEMENT PLAN
for
CORONADO AIRPORT PROPERTY
TEXT GENERAL INFORMATION
HYDROLOGIC SUMMARY

Project No. | Job No. 51190 | Sheet 1 of 6
Drawn By SVR | Date 5-85
Checked By DG | Scale 1"=200'

Date	Revision	By

PROPOSED DRAINAGE

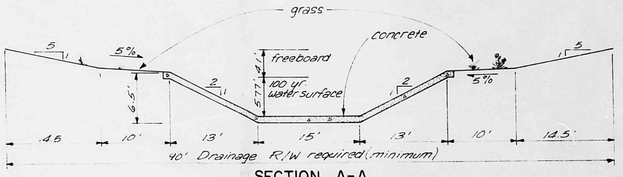
in	Analysis Point	Area (Acres)	Longest Reach*	Slope	Tc	I Imp.	"C" Value	INTENSITY 10	INTENSITY 100	FLOWRATE 10	FLOWRATE 100
	1	6.42	1650	0.0285	10.0	70	0.69	3.19	4.86	14.1	21.5
	2	5.39	570	0.0246	10.0	70	0.69	3.19	4.86	11.9	18.1
	3	22.54	2000	0.0205	12.1	70	0.69	2.90	4.41	45.1	68.6
	4	11.24	1400	0.0179	10.0	70	0.69	3.19	4.86	24.7	37.7
	5	20.07	1950	0.0231	11.4	70	0.69	2.99	4.55	41.4	63.0
	6	3.26	550	0.0145	10.0	70	0.69	3.19	4.86	7.2	10.9
	7	5.01	800	0.0150	10.0	70	0.69	3.19	4.86	11.0	16.8
	8	16.60	1900	0.0221	11.3	70	0.69	3.00	4.57	34.4	52.3
	9	5.57	900	0.0167	10.0	70	0.69	3.19	4.86	12.3	18.7
	10	6.54	750	0.0107	10.0	70	0.69	3.19	4.86	14.4	21.9
	11	5.97	750	0.0093	10.0	70	0.69	3.19	4.86	13.1	20.0
	12	16.97	2100	0.0219	12.3	70	0.69	2.87	4.37	33.6	51.17
	13	25.94	2650	0.0238	14.2	70	0.69	2.67	4.07	47.8	72.8
	14	12.95	1200	0.0167	10.0	70	0.69	3.19	4.86	28.5	43.4
	15	24.24	2450	0.0233	13.5	70	0.69	2.74	4.17	45.8	69.7
	16	4.14	700	0.0243	10.0	70	0.69	3.19	4.86	9.1	13.9
	17	16.49	1750	0.0257	10.0	70	0.69	3.19	4.86	36.3	55.3
	18	4.89	800	0.0188	10.0	70	0.69	3.19	4.86	10.8	16.4
	19	4.41	700	0.0229	10.0	70	0.69	3.19	4.86	9.7	14.8
	20	7.93	1400	0.0236	10.0	70	0.69	3.19	4.86	17.5	26.6
	21	7.64	1450	0.0234	10.0	70	0.69	3.19	4.86	16.8	25.6
	22	7.75	1350	0.0259	10.0	70	0.69	3.19	4.86	17.1	26.0
	23	1.70	980	0.0050	10.0	70	0.69	3.19	4.86	3.7	5.7
	24	3.15	1100	0.0050	10.0	70	0.69	3.19	4.86	6.9	10.7
	25	8.26	1000	0.0120	10.0	70	0.69	3.19	4.86	18.2	27.7

OFFSITE DRAINAGE

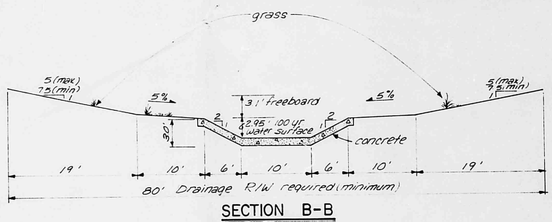
(Except to Main Channels)

in	Area	Longest Reach	Slope	Tc	I Imp.	"C" Value	INTENSITY 10	INTENSITY 100	FLOWRATE 10	FLOWRATE 100
	388.54	15100	0.0343	47.2	0	78/375*	0.6**	0.9**	225	337.5
	5.18	1200	0.0283	10.0	0	0.34	3.26	4.97	5.7	8.8
	18.37	2250	0.0302	11.4	0	0.34	3.04	4.65	19.0	29.0
	131.36	8200	0.0307	30.8	0	0.34	1.83	2.80	81.7	125.1
	2.84	750	0.0320	10.0	0	0.34	3.26	4.97	3.1	4.8
	2.44	820	0.0378	10.0	0	0.34	3.26	4.97	2.7	4.1

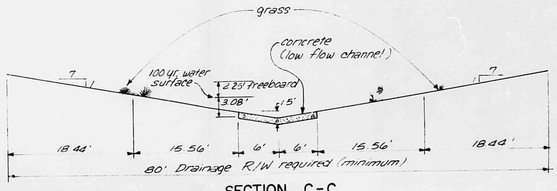
* SCS Curve Number/CFS per inch of runoff
**Inches of runoff



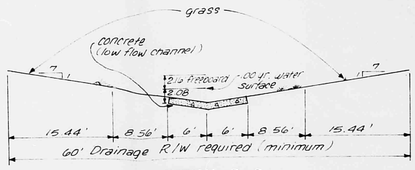
SECTION A-A
SCALE: 1" = 10'



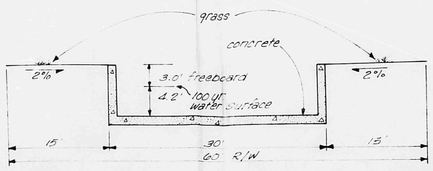
SECTION B-B
SCALE: 1" = 10'



SECTION C-C
SCALE: 1" = 10'



SECTION D-D
SCALE: 1" = 10'



SECTION E-E
SCALE: 1" = 10'

* Existing platting and zoning in the upstream basins are expected to remain as is, i.e. low density residential. Should the drainage patterns remain unchanged after development, the developed flows would not significantly differ from in the undeveloped state. We have, therefore, sized all facilities to accept upstream runoff from the undeveloped conditions. The developed flows cannot exceed the capacity provided by the system shown on sheet five.

PLAN SHOT IN TWO SECTIONS.



HYDROLOGY

B18/~~D3~~ D2
7 PLANS
2 of 3

CORONADO AIRPORT

LA CUEVA CHANNEL

12-48" RCP's 1260 cfs

3-10'x10' BOX CULVERT Q=7000 cfs

INTERSTATE 5

SAN PEDRO CREEK

LOUISIANA BLVD.

VENICE AVE.

BEVERLY HILLS

DIEGO DR.

SOFTBALL COMPLEX

FLORENCE AVE.

GLENDALE AVE.

LEGEND

- PROPERTY BOUNDARY
- ARROYO FLOWLINE
- 100 YEAR FLOOD

CONCEPTUAL DRAINAGE MANAGEMENT PLAN
for
CORONADO AIRPORT PROPERTY

Project No.

EXISTING CONDITIONS

Seal

Daniel S. Svetanoff 6/6/85

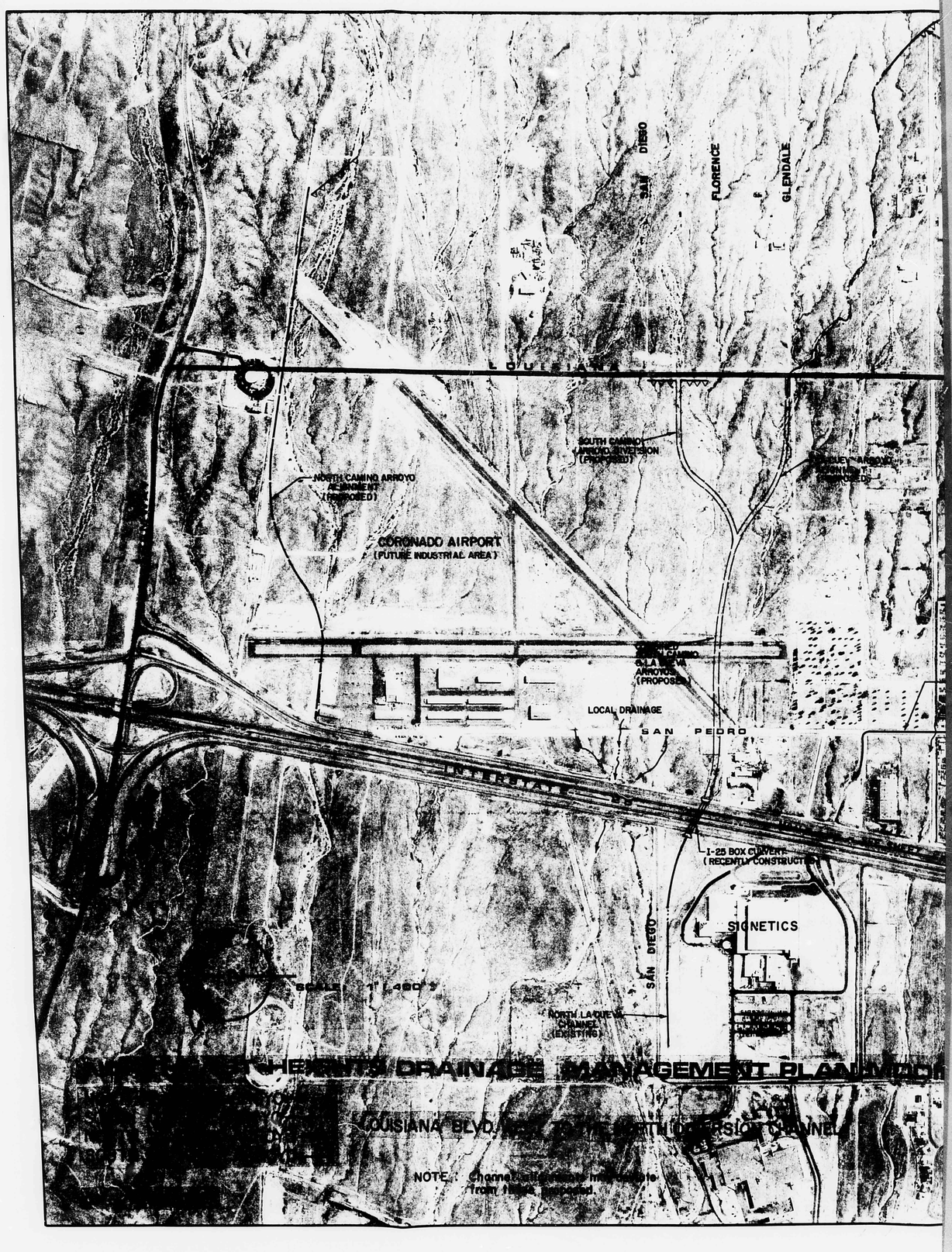
Job No. 51190 | Sheet 2 Of 6

Drawn By: SVR | Date 5-85

Checked By: BGB | Scale 1" = 200'

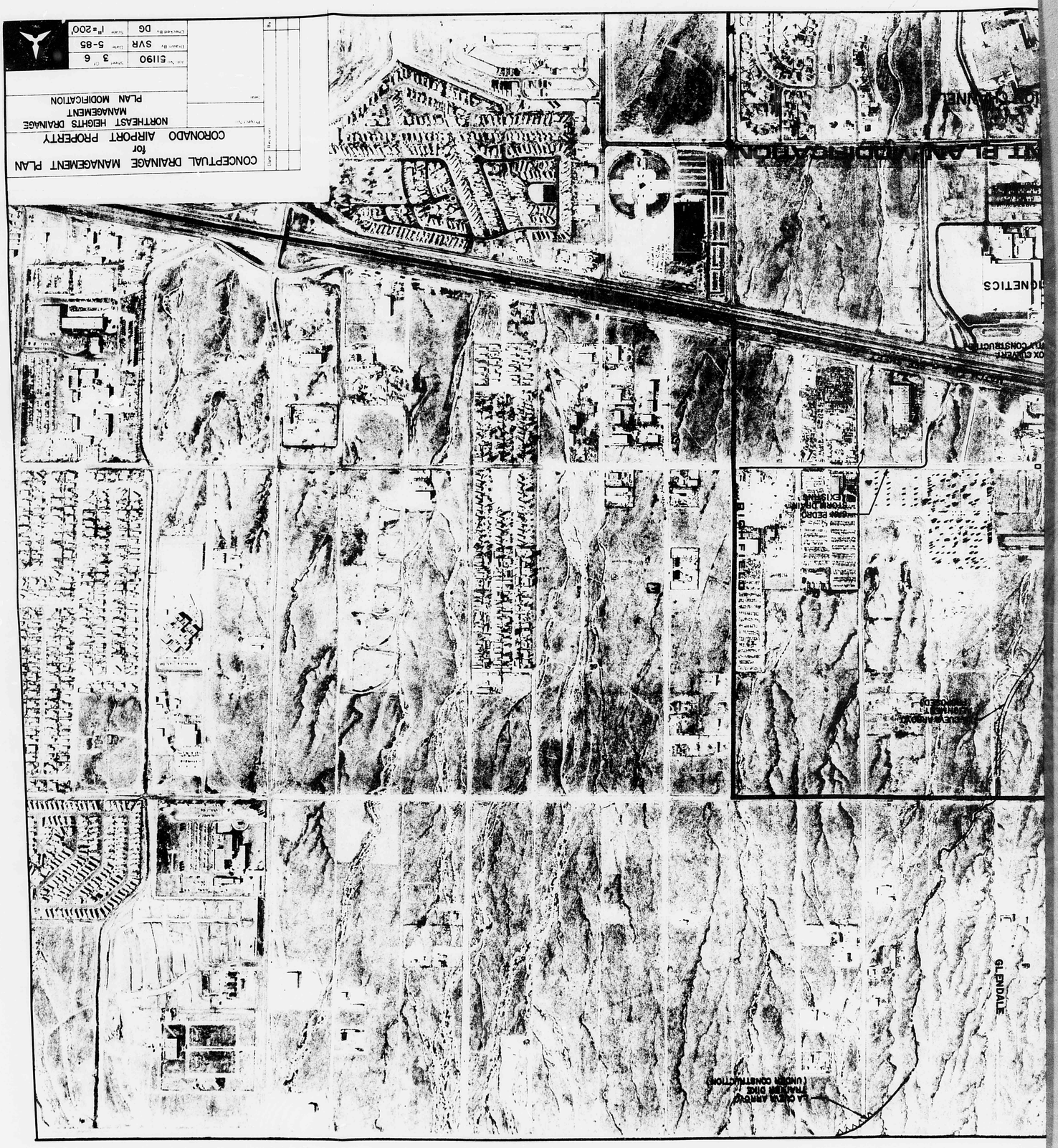
Date | Revision | By

PLAN SHOT
IN TWO
SECTIONS.



CONCEPTUAL DRAINAGE MANAGEMENT PLAN
for
CORONADO AIRPORT PROPERTY
NORTHEAST HEIGHTS DRAINAGE
MANAGEMENT
PLAN MODIFICATION

Job No.	81190
Sheet No.	3 of 6
Drawn By	SVR
Date	5-85
Checked By	DG
Scale	1"=200'



PLAN SHOT
IN TWO
SECTIONS.





CONCEPTUAL DRAINAGE MANAGEMENT PLAN
for
CORONADO AIRPORT PROPERTY

NORTHEAST HEIGHTS DRAINAGE MANAGEMENT PLAN MODIFICATION

51190	4 6
SVR	5-85
DG	1"= 200'

NOTE:

Boundary information shown on this map is compiled from a plat entitled LANDS OF CORONADO AIRPORT (filed 10/10/84, C25-54) and a certificate of survey entitled PORTION OF BLOCKS 4, 5 & 6, TRACT A, UNIT B, NORTH ALBUQUERQUE ACRES (executed 10/17/84) both being prepared by Albuquerque Surveying Company, Inc.

N

SCALE: 1" = 200'

SANDIA PUEBLO GRANT

LAND OF E.H. BOST JR.
FILED: 10-31-38 C4-48

HEIRS OF FILIBERTO GUROLE
TRACT H

TRAMWAY

SANDIA PUEBLO GRANT

ROAD

1-48"RCP

1-48" RCP

1-24" RCP

1-24"RCP

S 80°04' 30"E

970.50'

SANDIA PUEBLO GRANT
1-1/2 MILE POST
SEC. 12, T.11N., R.3E.
(BRASS CAP)

S 80°00' 58"E

20' Gas Co. of N.M. Easement B/R/W (Misc. 732/652)

P.N.M. Electric Easement (Misc. 34-218)

NORTH CAMINO ARROYO

Gas Co. of N.M. Lease (pipeline)

Q100= 2010 cfs

1286.02'

C.C. SEC. 7, T.11N., R.4E & SEC. 12, T.11N., R.3E (BRASS CAP)

S 79° 57' 48"E

20' Gas Co. of N.M. Easement B/R/W (Misc. 732/651)

36.85'

(339.85')

SANDIA PUEBLO GRANT
2 MILE POST
SEC. 7, T.11N., R.4E
(BRASS CAP)

12-48" RCP'S
EXIST. Q100=1680 cfs

ELENA DRIVE

BALBOA AVE.

PASADENA AVE.

VENICE AVE.

BEVERLY HILLS AVE.

1-30"RCP

1-24"RCP

42" RCP STORM DRAIN

VAC. ORD. NO. 250

10' P.N.M. & Telephone Easement (Misc. 383-5)

10' P.N.M. & Telephone Easement (D556-419 & D556-417)

10' Telephone Easement (D556-68)

Z552.20'

N 0°56'03"E 378.01'

24" RCP CULVERT

267.9295 ACRES

TRACT A1

60" RCP STORM DRAIN

EXIST. Q100=1200 cfs

80' FOR BERM AND DRAINAGE SWALE

S 00°15' 20"W

N 8°24' 21"W

989.87'

S 08° 35' 59"W
60.00'

S 00°12' 30"W 317.05'

N 89°47' 20"W 360.02'

2 - 4' x 8' BOX CULVERTS
Q100= 337 cfs

80' FOR DRAINAGE SWALE

20' FOR CULVERTS

1-24" RCP CULVERT
Q100= 28 cfs
(EXTEND WEST TO SWALE)

1-36" RCP CULVERT
Q100= 29 cfs
(EXTEND WEST TO SWALE)

30' FOR CULVERTS

S 00°13' 20"W

N 89°45' 56"W 465.20'

2-48" RCP CULVERTS
Q100= 1251 cfs
(EXTEND WEST TO SWALE)

VENICE AVENUE

BEVERLY HILLS AVENUE

80' FOR BERM AND DRAINAGE SWALE

SEC. 7 T.11N. R.4E N.M.P.M.

ACRES

Plan Shot
In Two
Sections.