PLATE 5. DISCOVERY BAY RESORT AND MARINA
AGUADA, PUERTO RICO
LEVEE ALIGNMENT

N
W E
S

SCALE 1:6,000

N

0 100 200

I HEREBY CERTIFY CORRECT THIS TOPOGRAPHICAL MAP PREPARED BY PHOTOGRAMMETRIC METHODS

RAMON FIGUEROA
CERTIFIED PHOTOGRAMMETRIST
PSP 598

LEGEND

PAVED ROAD
GRAVEL ROADS
TRAIL
PAVED PARKING
GUARDRAIL
PAVED DRIVEWAY
CULVERT
LAKE/POND
DRAINAGE LINE
PALM
TREE
TREE COVER
FENCE
WALL
BUILDING SIDELINE
UNIDENTIFIED STRUCTURES
SWIMMING POOL
TANK
SIGN
POLES
TRAFFIC SIGNAL
TRANS. TOWER
INDEX CONTOURS
INTERMEDIATE CONTOURS
DEPRESSION CONTOURS
DEPICURED CONTOURS
X 100.50 SPOT ELEVATION
GROUND CONTROL - HORZ/VERT

NOTE:
TOPOGRAPHY BY PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHS TAKEN IN 9-24-2004
SCALE: 1 METER = 1 METER INTERVAL
VERTICAL: MEAN SEA LEVEL
HORIZONTAL: PUERTO RICO LAMBERT SYSTEM (NAD 27)

AGUADILLA BAY

FLAPGATE DRAINAGE STRUCTURES # E1 & #E2 AT STA. 1+14.09

# E1	UPSTREAM I.E. = 1.50
	DOWNSTREAM I.E. = 0.00
# E2	UPSTREAM I.E. = 1.50
	DOWNSTREAM I.E. = 0.00

FLAPGATE DRAINAGE STRUCTURE # A1 AT STA. 1+06.39
DOWNSTREAM I.E. = 0.00
UPSTREAM I.E. = 0.500

FLAPGATE DRAINAGE STRUCTURE # A2 AT STA. 4+42.74
DOWNSTREAM I.E. = 0.00
UPSTREAM I.E. = 0.800

FLAPGATE DRAINAGE STRUCTURE # A3 AT STA. 5+58.53
DOWNSTREAM I.E. = 0.00
UPSTREAM I.E. = 0.500

FLAPGATE DRAINAGE STRUCTURE # A4 AT STA. 8+82.81
DOWNSTREAM I.E. = 2.00
UPSTREAM I.E. = 2.500

FLAPGATE DRAINAGE STRUCTURE # A5 AT STA. 11+33.01
UPSTREAM I.E. = 2.00
DOWNSTREAM I.E. = 1.50

FLAPGATE DRAINAGE STRUCTURE # A6 AT STA. 12+90.61
UPSTREAM I.E. = 2.00
DOWNSTREAM I.E. = 1.50

FLAPGATE DRAINAGE STRUCTURE # A7 AT STA. 15+94.27
UPSTREAM I.E. = 2.75
DOWNSTREAM I.E. = 2.50

FLAPGATE DRAINAGE STRUCTURE # A8 AT STA. 17+00.13
UPSTREAM I.E. = 3.50
DOWNSTREAM I.E. = 2.60

CORDECO PROPERTY LIMITS

ESPINAR LEVEE FLOOD CONTROL PROJECT

AGUADILLA LEVEE FLOOD CONTROL PROJECT

FLOOD CONTROL PROJECT

Flood Control Project

Coloso

Calle Progreso

Hacia Mayaguez

Hacia Aguadilla

ING. ANTONIO HERNANDEZ VIRELLA
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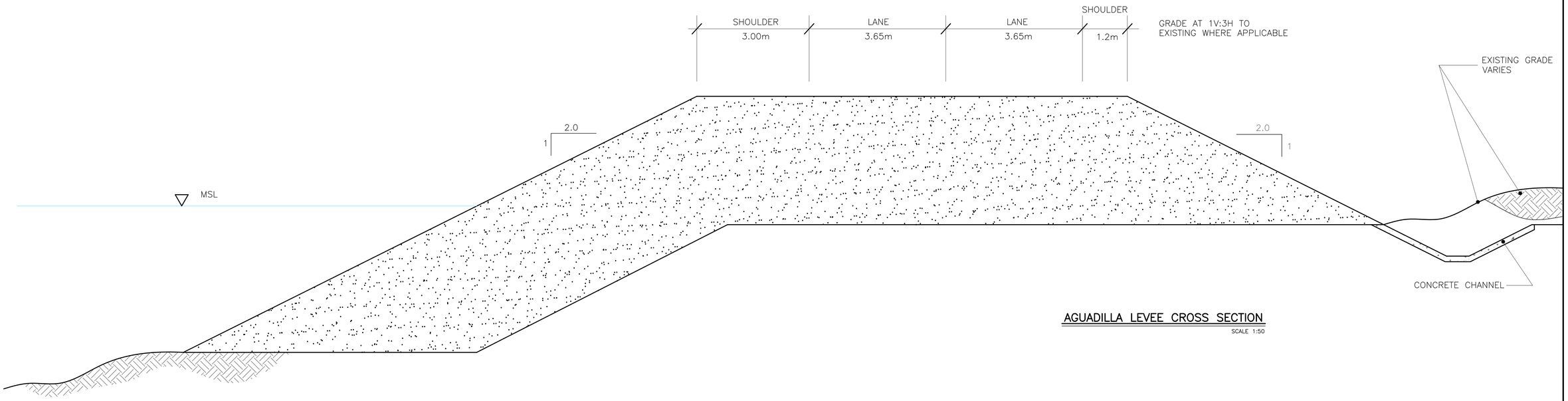
DISCOVERY BAY RESORT & MARINA
AGUADA, PUERTO RICO

FECHA	REVISION

ESCALA
1:4000

PLATE 6. AGUADILLA & ESPINAR LEVEE PLAN

PP
01



AGUADILLA LEVEE CROSS SECTION

SCALE 1:50

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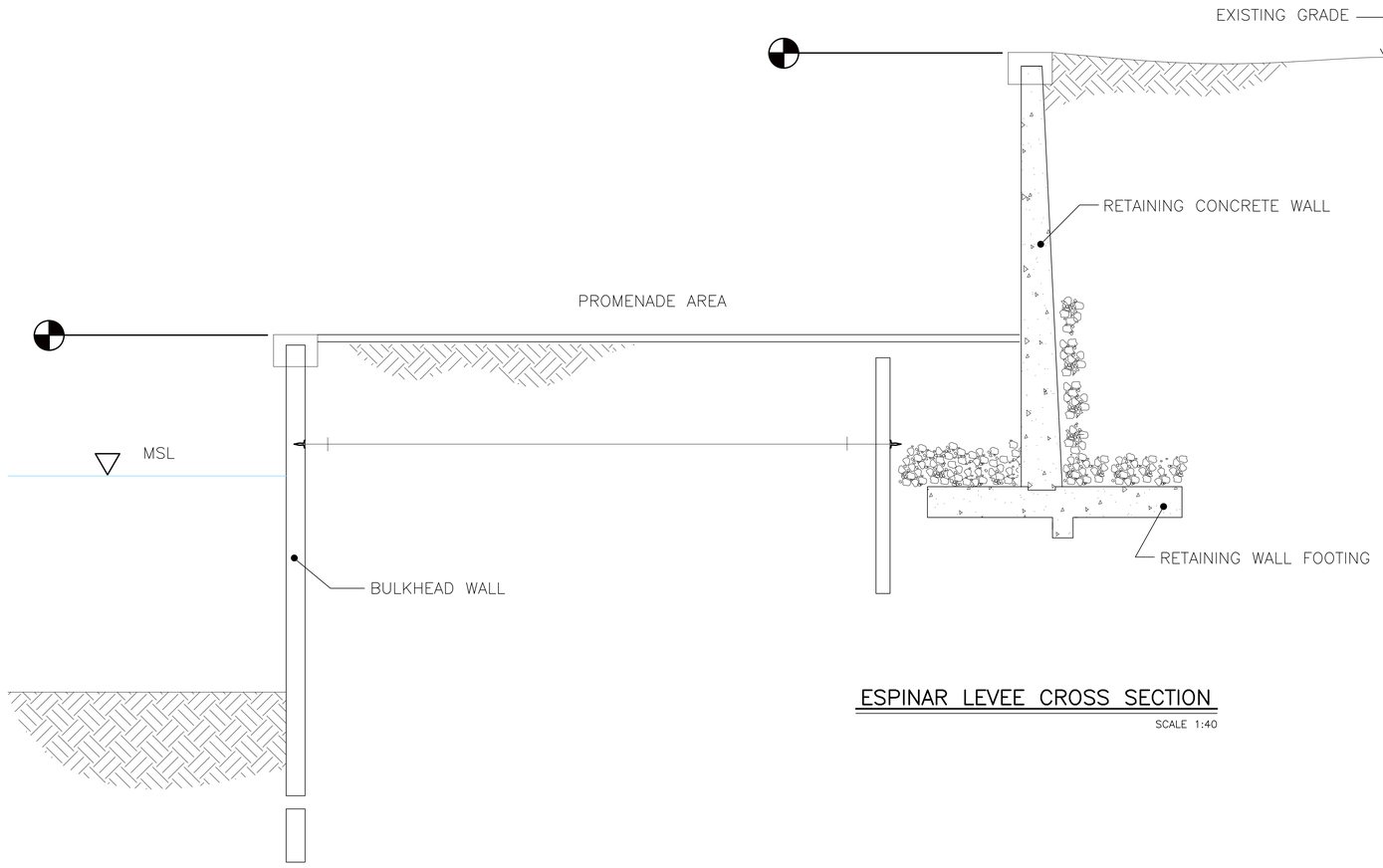
DISCOVERY BAY RESORT & MARINA
AGUADA, PUERTO RICO

DATE	REVISION

SCALE
1:50

PLATE 7. AGUADILLA LEVEE CROSS SECTION

CS
02



ESPINAR LEVEE CROSS SECTION

SCALE 1:40

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DISCOVERY BAY RESORT & MARINA
AGUADA, PUERTO RICO

DATE	REVISION

SCALE
1:40

PLATE 8. ESPINAR LEVEE CROSS SECTION

CS
01

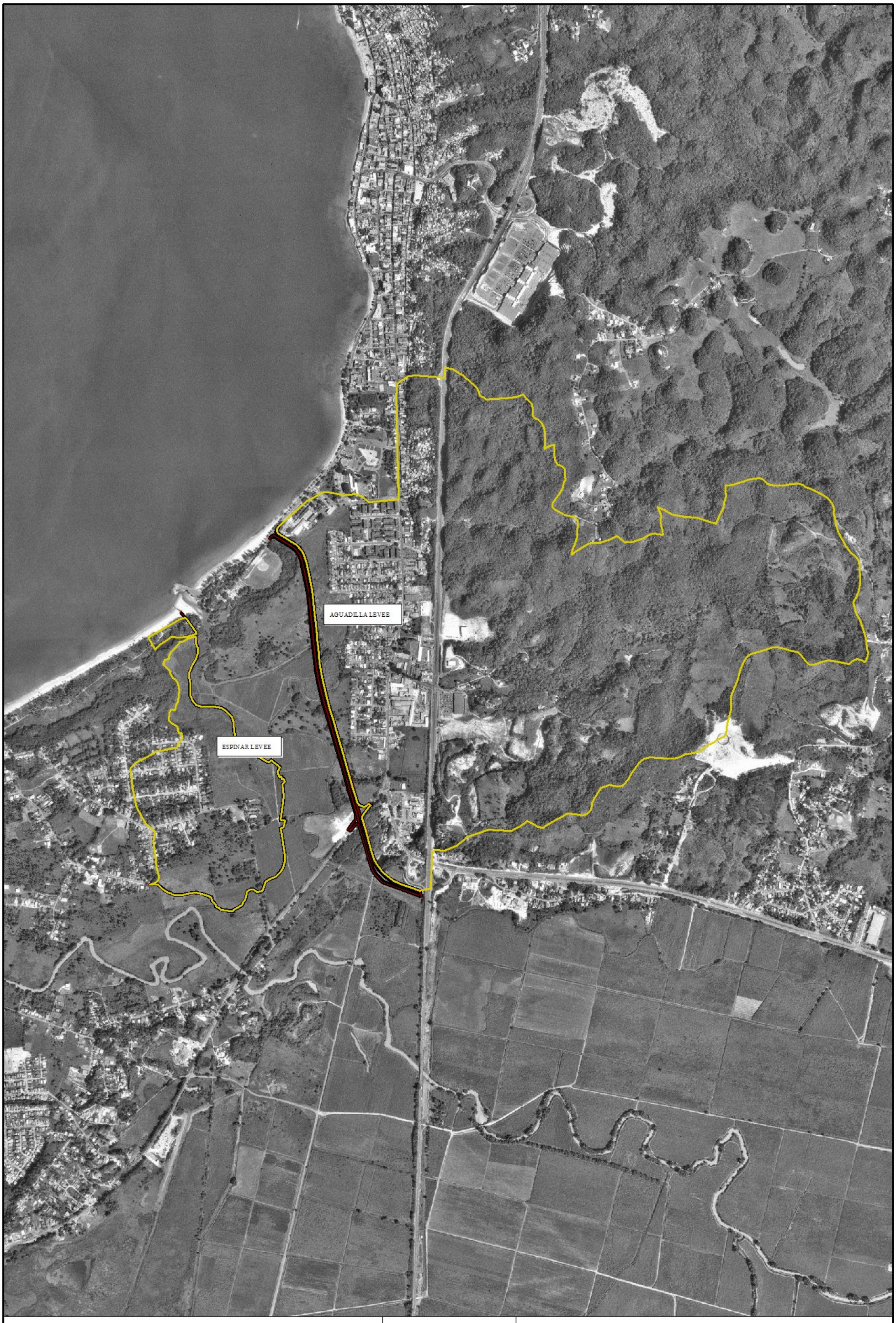

PLATE 9. DISCOVERY BAY RESORT AND MARINA
AGUADA, PUERTO RICO
INTERIOR FLOOD HYDROLOGY BASINS

N
W E
S

SCALE 1:15,000

PLATE 10. FEMA FLOOD MAP REVISED
DISCOVERY BAY RESORT & MARINA
AGUADA, PUERTO RICO

N
W E
S

LEGEND

BASE FLOOD ELEVATION

FLOOD AREAS
AE
X

FLOOD AREA
FLOODWAY

SCALE 1:20,000

0.5 0 0.5 1 1.5 Kilometers

0.2 0 0.2 0.4 0.6 0.8 1 Miles

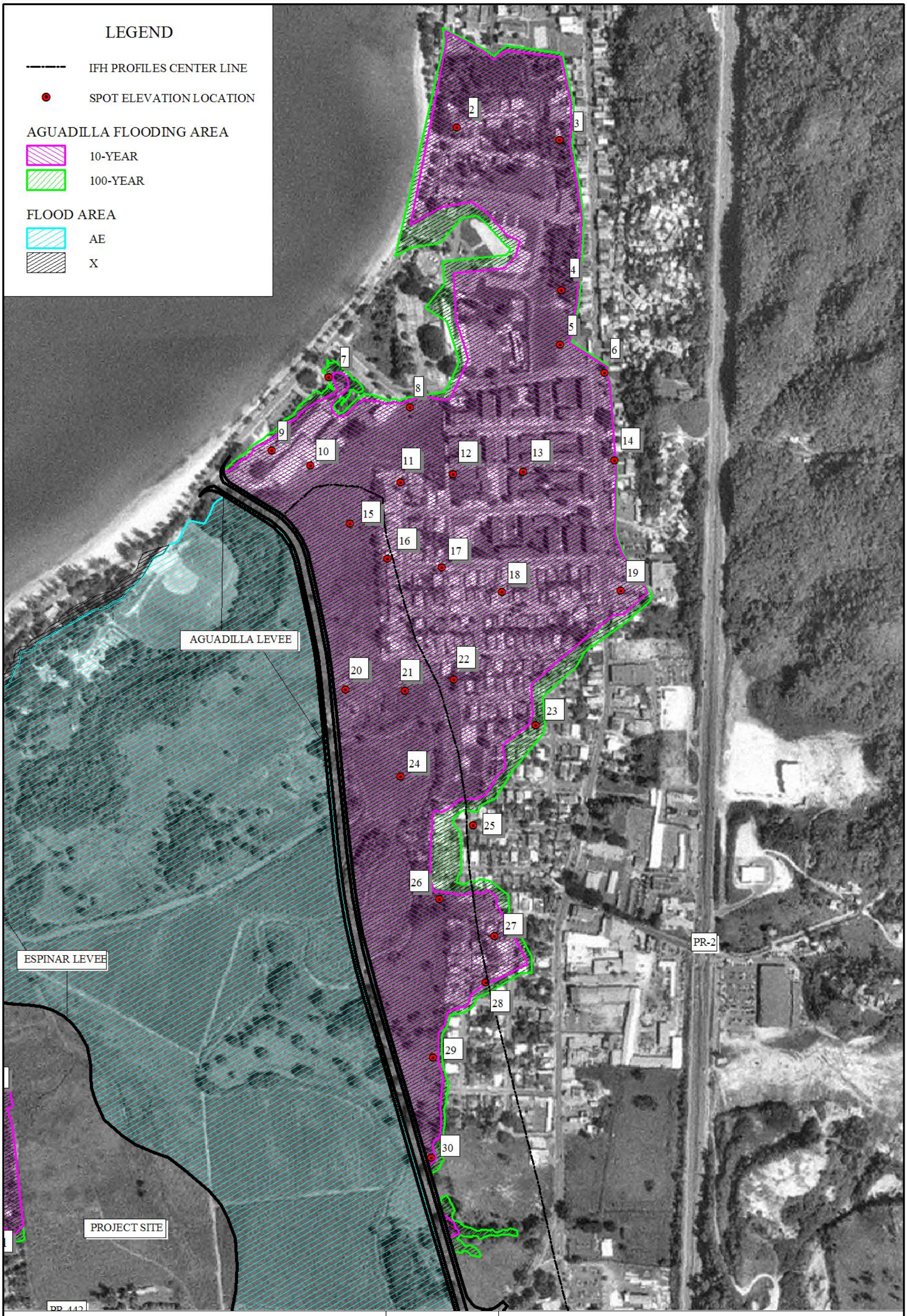

PLATE 11. RIO CULEBRINAS
DISCOVERY BAY RESORT AND MARINA
AGUADILLA WATER SURFACE ELEVATIONS
AND DEPTHS FOR THE PROPOSED 100-YEAR FLOOD EVENT

N
W E
S

SCALE 1:5,000

100 0 100 200 Meters

200 0 200 400 600 Feet

PLATE 12. RIO CULEBRINAS
DISCOVERY BAY RESORT AND MARINA
ESPINAR WATER SURFACE ELEVATIONS
AND DEPTHS FOR THE PROPOSED 100-YEAR FLOOD EVENT

N
W E
S

LEGEND

IFH PROFILES CENTER LINE

SPOT ELEVATION LOCATION

ESPINAR FLOODING AREA
10-YEAR
100-YEAR

FLOOD AREA
AE
X

SCALE 1:4,000

80 0 80 160 Meters

200 0 200 400 600 Feet

PLATE 13. RIO CULEBRINAS
DISCOVERY BAY RESORT AND MARINA
TABLONAL WATER SURFACE ELEVATIONS
AND DEPTHS FOR THE PROPOSED 100-YEAR FLOOD EVENT

N
W E
S

LEGEND

SPOT ELEVATION LOCATION

FLOOD AREA

AE

X

SCALE 1:4,000

100 0 100 Meters

200 0 200 400 600 Feet