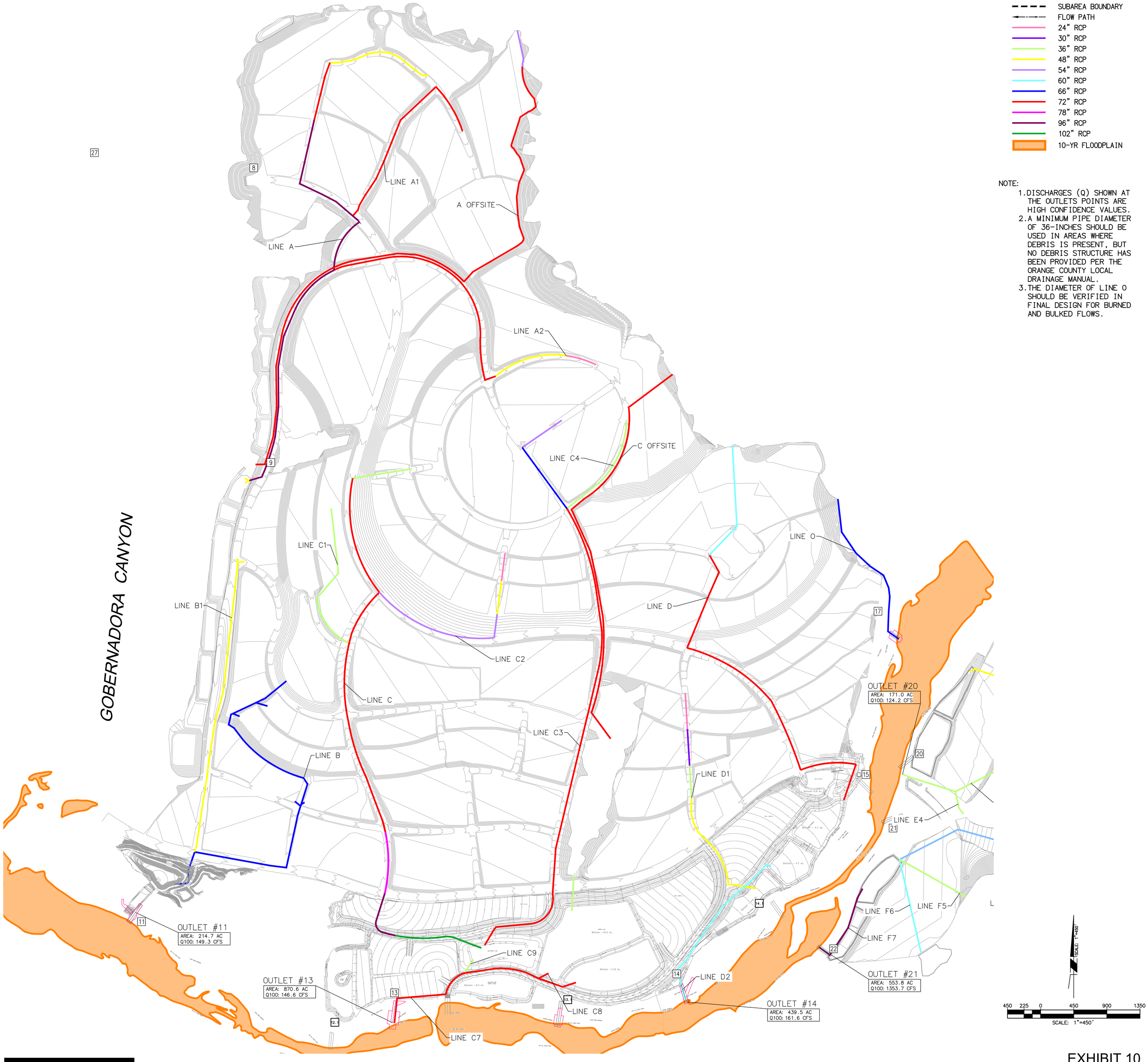

LEGEND
DRAINAGE BOUNDARY
SUBAREA BOUNDARY
FLOW PATH
24" RCP
30" RCP
36" RCP
48" RCP
54" RCP
60" RCP
66" RCP
72" RCP
78" RCP
96" RCP
102" RCP
10-YR FLOODPLAIN
NOTE:
1. DISCHARGES (Q) SHOWN AT THE OUTLETS POINTS ARE HIGH CONFIDENCE VALUES.
2. A MINIMUM PIPE DIAMETER OF 36-INCHES SHOULD BE USED IN AREAS WHERE DEBRIS IS PRESENT, BUT NO DEBRIS STRUCTURE HAS BEEN PROVIDED PER THE ORANGE COUNTY LOCAL DRAINAGE MANUAL.
3. THE DIAMETER OF LINE O SHOULD BE VERIFIED IN FINAL DESIGN FOR BURNED AND BULKED FLOWS.
GOBERNADORA CANYON
LINE A1
A OFFSITE
LINE A
LINE A2
C OFFSITE
LINE C4
LINE C1
LINE O
LINE B1
LINE D
LINE C2
LINE C
LINE C3
LINE B
LINE D1
LINE E4
LINE F6
LINE F5
LINE F7
LINE C9
LINE D2
LINE C8
LINE C7
OUTLET #11
AREA: 214.7 AC
Q100: 149.3 CFS
OUTLET #13
AREA: 870.6 AC
Q100: 146.6 CFS
OUTLET #14
AREA: 439.5 AC
Q100: 161.6 CFS
OUTLET #20
AREA: 171.0 AC
Q100: 124.2 CFS
OUTLET #21
AREA: 553.8 AC
Q100: 1353.7 CFS
SCALE: 1"=450'
EXHIBIT 10
RANCHO MISSION VIEJO
PA-3 STORM DRAIN MASTER PLAN LAYOUT
Michael Baker
INTERNATIONAL

17

19

OUTLET #20

AREA: 171.0 AC
Q100: 124.2 CFS

LINE F2

LINE F1

20

15

LINE E3

LINE E4

LINE F1

LINE F2

21

LINE F4

LINE F3

LINE F6

LINE F5

LINE F7

22

OUTLET #21

AREA: 553.8 AC
Q100: 1353.7 CFS

4

LEGEND

- DRAINAGE BOUNDARY
- SUBAREA BOUNDARY
- FLOW PATH
- 24" RCP
- 30" RCP
- 36" RCP
- 48" RCP
- 60" RCP
- 84" RCP
- 10-YR FLOODPLAIN

NOTE: DISCHARGES (Q) SHOWN AT THE OUTLET POINTS ARE HIGH CONFIDENCE VALUES.

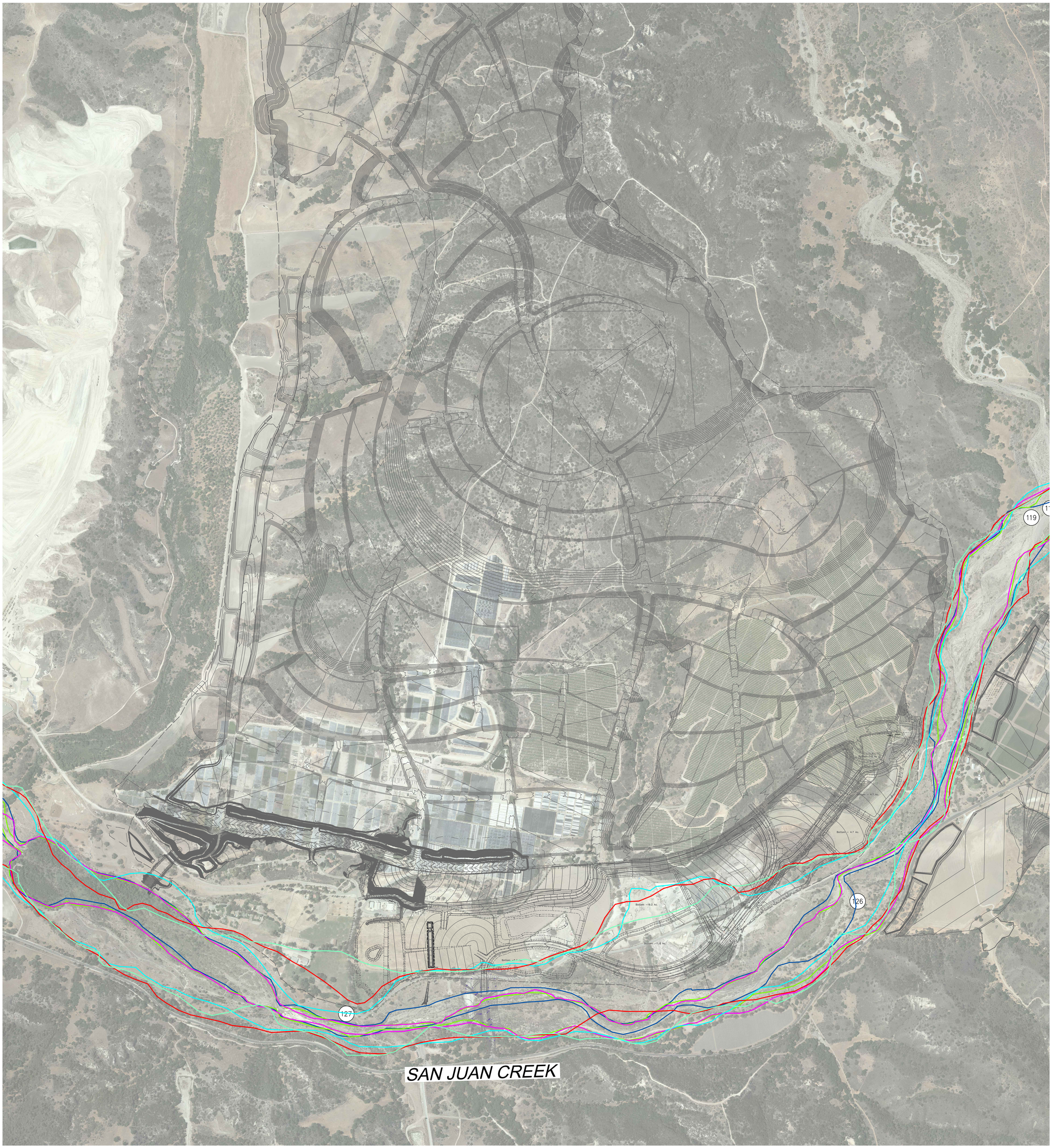
SCALE 1"=200'

200 100 0 200 400 600

SCALE: 1"=200'

Michael Baker INTERNATIONAL

EXHIBIT 11
RANCHO MISSION VIEJO
PA-4 STORM DRAIN MASTER PLAN LAYOUT



Michael Baker
INTERNATIONAL

EXHIBIT 12
RANCHO MISSION VIEJO
SAN JUAN CREEK - HISTORICAL LATERAL BANK

LEGEND

CROSS SECTION

LATERAL MIGRATION

SEVERE EROSION ZONE

118

119

56849

54974

53549

52124

126

50624

49049

47174

45748

127

44548

43123

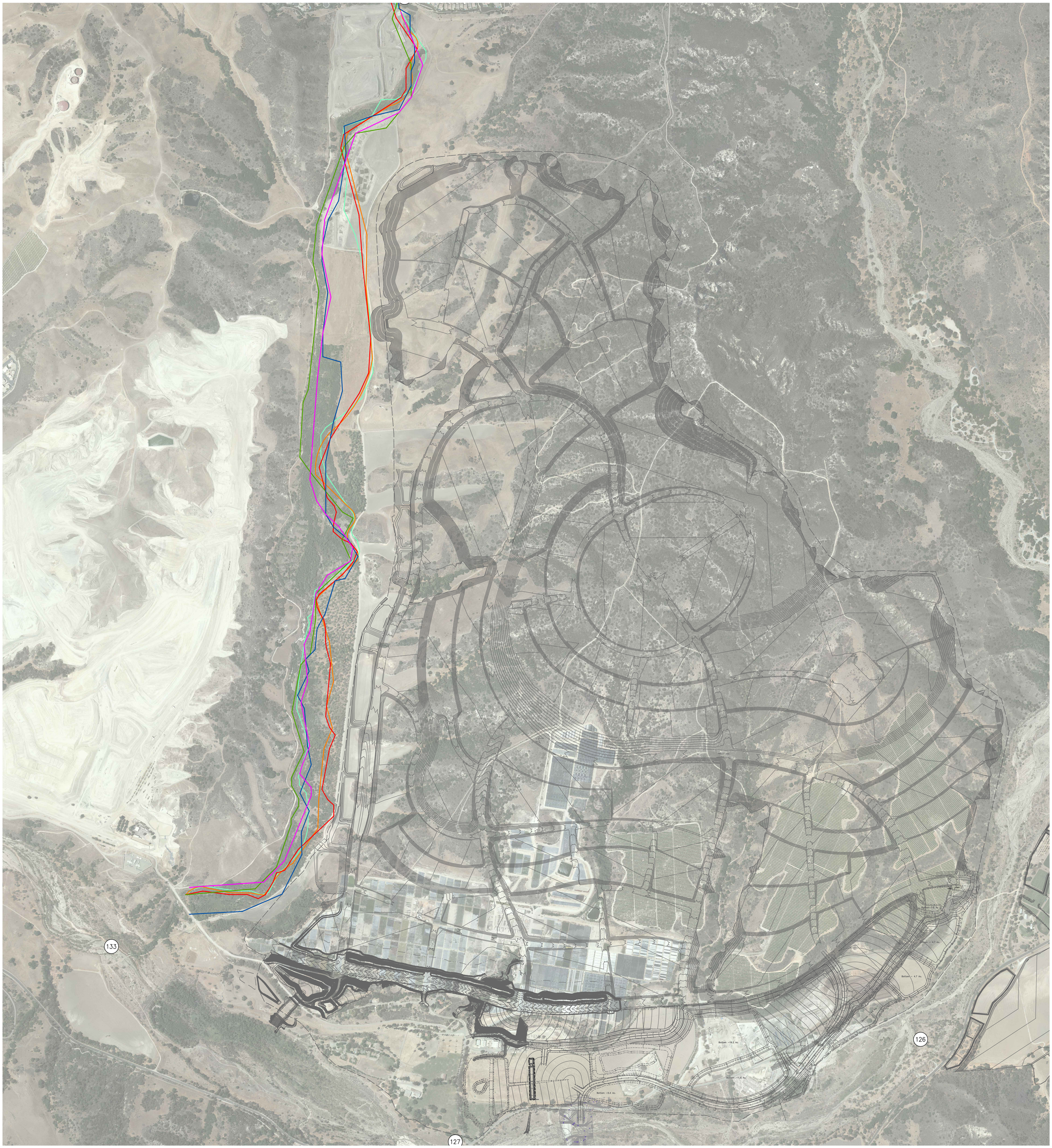
SAN JUAN CREEK

450 225 0 450 900 1350

SCALE: 1"=450'

Michael Baker
INTERNATIONAL

EXHIBIT 13
RANCHO MISSION VIEJO
SAN JUAN CREEK - CALCULATED LATERAL BANK



Michael Baker
INTERNATIONAL

EXHIBIT 14
RANCHO MISSION VIEJO
GOBERNADORA - HISTORICAL LATERAL EAST BANK



LEGEND

- ULTIMATE BANK
- LATERAL MIGRATION
- CROSS SECTION

SCALE: 1"=450'

450 225 0 450 900 1350

SCALE: 1"=450'

Michael Baker INTERNATIONAL

EXHIBIT 15

RANCHO MISSION VIEJO

GOBERNADORA - CALCULATED LATERAL EAST BANK