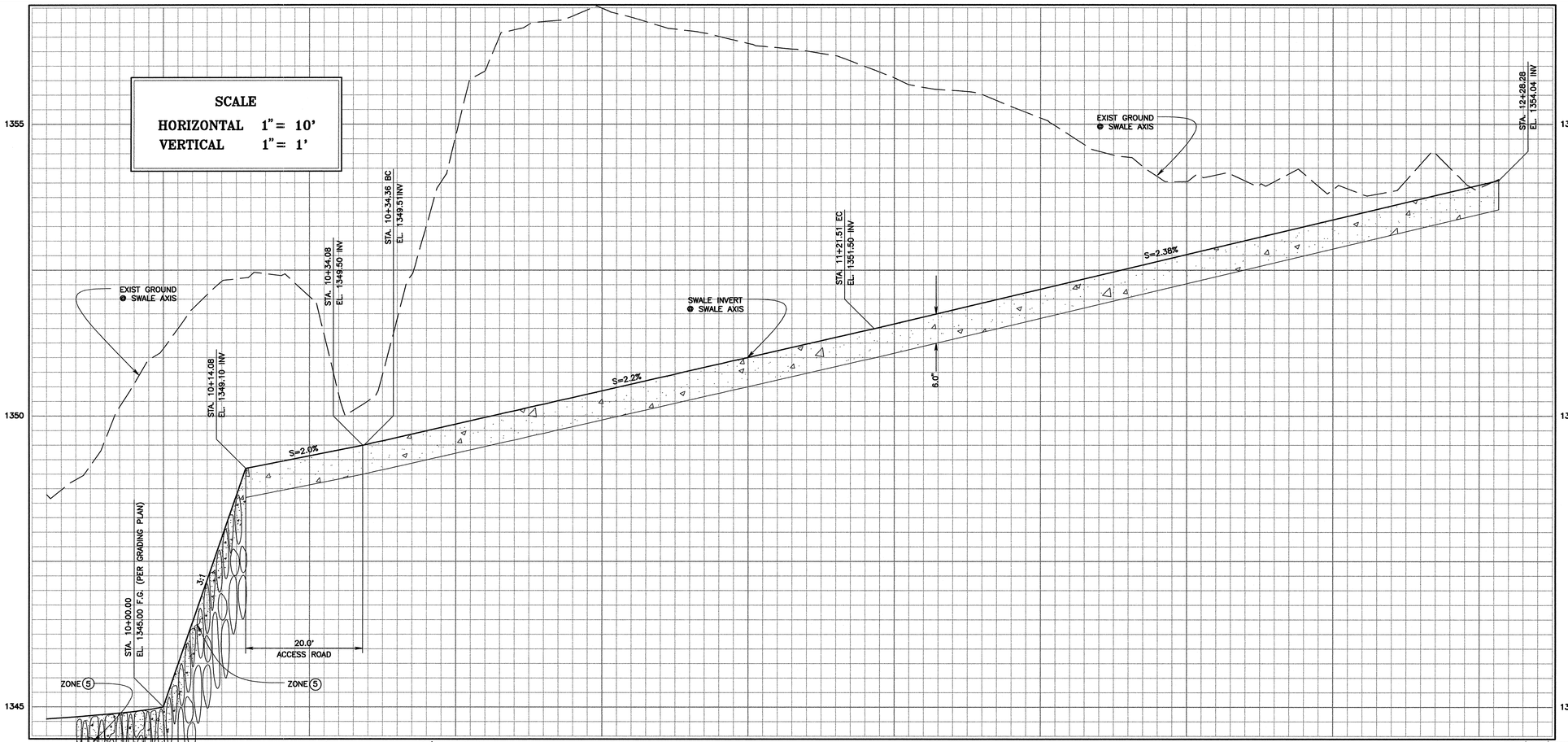
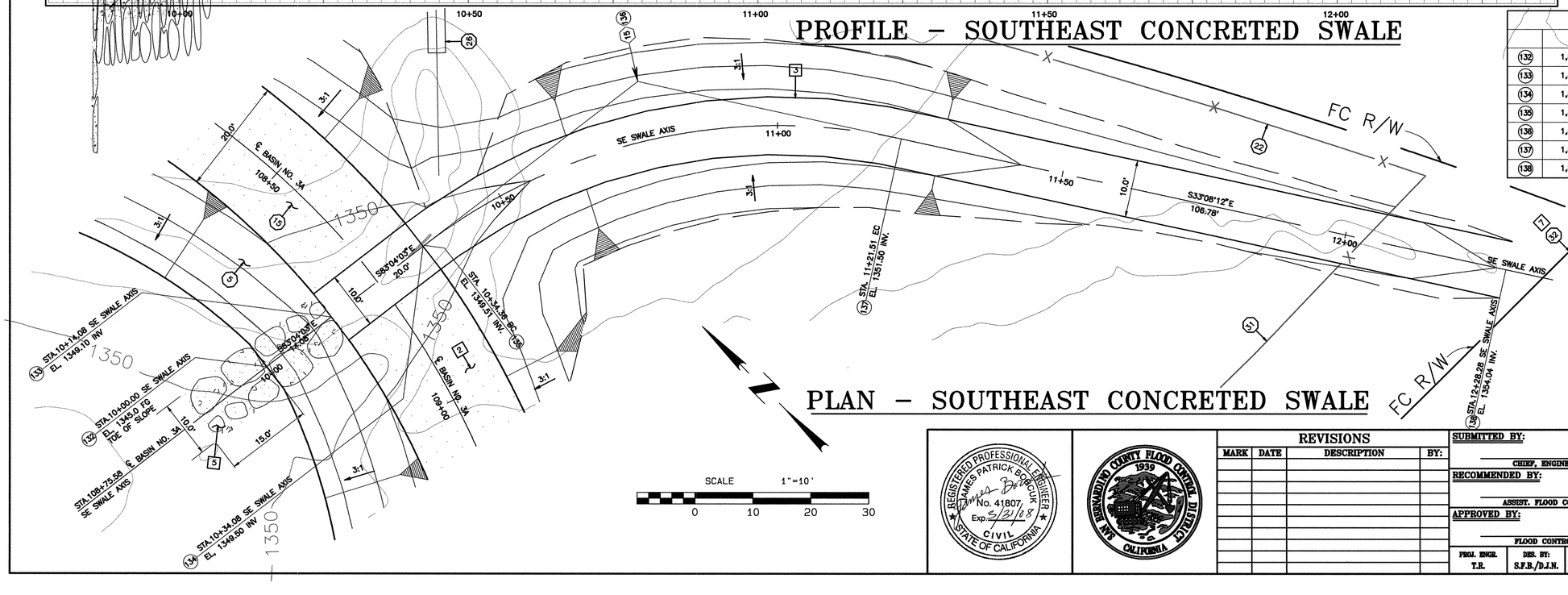
# PROFILE – SOUTHEAST CONCRETED SWALE

SCALE
HORIZONTAL 1"= 10'
VERTICAL 1"= 1'




# PLAN – SOUTHEAST CONCRETED SWALE




## CONSTRUCTION CALLOUTS:

- [2] 3" AC PVMT ROAD SECTION PER (STD)
- [3] 10' WIDE CONCRETE SWALE PER (STD)
- [5] CONCRETED SPLASH PAD PER (STD)
- [7] BOUNDARY FENCE PER SHT FCD-I

## CONSTRUCTION NOTES:

(5) CONSTRUCT EAST AND WEST EMBANKMENTS FOR BASIN NO. 3A AND HABITAT RESTORATION AREA, SOUTH OF BASIN NO. 3 PER PLAN ON SHEET C-2, PROFILE ON SHEETS P-4 & P-5, SECTIONS ON SHEETS X-21 TO X-23 & X-26 TO X-30 AND SURVEY CONTROL DATA ON SHEET G-2.

(15) CONSTRUCT WEST AND EAST ACCESS ROAD PER PLAN, TYPICAL SECTIONS ON SHEETS C-2 TO C-4, AND SURVEY CONTROL DATA ON SHEETS G-2 TO G-4.

(22) PROTECT IN PLACE EXISTING BOUNDARY CHAIN LINK FENCE

(26) PROTECT IN PLACE EXISTING 36" CMP

(31) REMOVE EXISTING BOUNDARY FENCE AND GATES FROM BASELINE RD. AT APPROX. STA 114+00 ± TO EAST END AND REPLACE FENCE PER FCD-I TO STA 113+06.81 TO STA 114+00 ±

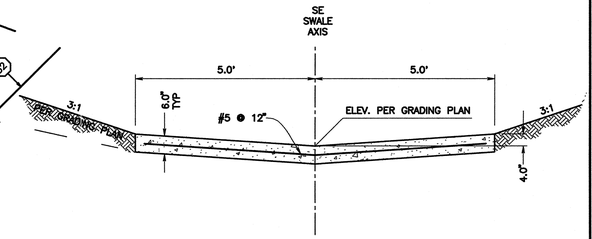
(32) MOVE BOUNDARY FENCE FROM STA 113+06.81 TO THE EAST 25'± TO THE SOUTH PER FCD-I

## MATERIAL ZONES:

ZONE (1) MIXED, BORROW FROM BASIN EXCAVATION
ZONE (2) CLASS 2 AGGREGATE BASE, 6" DEEP
ZONE (3) 3" AC PAVEMENT (ON 6" OF ZONE 2, 93% RELATIVE COMPACTION)
ZONE (5) CONCRETED ROCK SPLASH PAD, FACING CLASS, METHOD 'B' PLACEMENT
EXCAVATION

| CURVE DATA | | | | |
|---|---|---|---|---|
| | Δ | R | T | L |
| (15) | 49°50'50" | 100.00 | 46.56 | 87.15 |

| PROJECT COORDINATES | | | | |
|---|---|---|---|---|
| | NORTH | EAST | ELEVATION | DESCRIPTION |
| (132) | 1,867,283.65 | 6,747,933.20 | 1345.00 FG | STA. 10+00.00 SE SWALE AXIS |
| (133) | 1,867,281.95 | 6,747,947.18 | 1349.10 INV | STA. 10+14.08 SE SWALE AXIS |
| (134) | 1,867,279.54 | 6,747,967.03 | 1349.50 INV | STA. 10+34.08 SE SWALE AXIS |
| (135) | 1,867,279.50 | 6,747,967.30 | 1349.51 INV | STA. 10+34.36 BC SE SWALE AXIS |
| (136) | 1,867,273.88 | 6,748,013.52 | | P.I. OF CURVE NO. 15 |
| (137) | 1,867,234.90 | 6,748,038.97 | 1351.50 INV | STA. 11+21.51 EC SE SWALE AXIS |
| (138) | 1,867,145.49 | 6,748,097.34 | 1354.04 INV | STA. 12+28.28 SE SWALE AXIS |




TYPICAL CONCRETE SWALE CROSS-SECTION
SCALE 1/2"=1'

REGISTERED PROFESSIONAL ENGINEER JAMES PATRICK BORDUK No. 41807 Exp. 3/31/08 CIVIL STATE OF CALIFORNIA

SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT 1939 CALIFORNIA

| REVISIONS | | | |
|---|---|---|---|
| MARK | DATE | DESCRIPTION | BY: |
| | | | |

SUBMITTED BY:
CHIEF, ENGINEERING DIVISION DATE
RECOMMENDED BY:
ASSIST. FLOOD CONTROL ENGINEER DATE
APPROVED BY:
FLOOD CONTROL ENGINEER DATE

| PROJ. ENGR. | DES. BY: | REV'D BY: | DRAWN BY: |
|---|---|---|---|
| T.R. | S.F.B./D.J.N. | J.B. | S.F.B./D.J.N. |

SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT

FONTANA–RIALTO DRAINAGE SYSTEM

CACTUS BASIN NO. 3

PLAN, PROFILE & DETAILS SOUTHEAST CONCRETED SWALE

| DATE | SCALE | FILE NO. | SHEET NO. |
|---|---|---|---|
| DEC. ,2007 | AS SHOWN | 2-104- | C-11 |