CONSTRUCTION CALLOUTS:

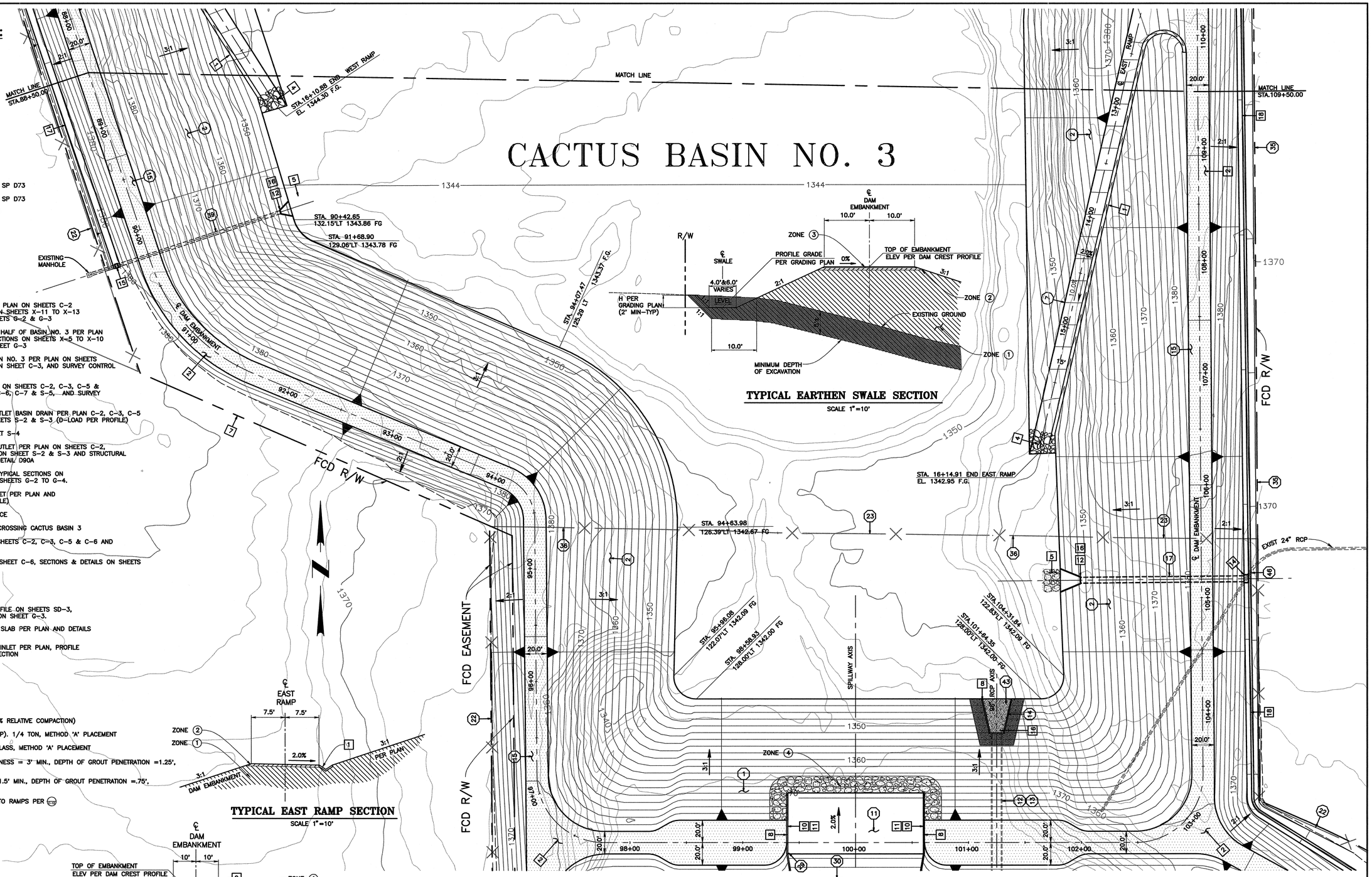
1. INTERCEPTOR V-DITCH PER (STD)
2. 3" AC PVMT ROAD SECTION PER (STD)
4. GRAVEL PAD PER (STD)
5. CONCRETED SPLASH PAD PER (STD)
6. CONCRETE COLLAR PER APWA SP 380-3
7. BOUNDARY FENCE PER SHT FCD-I
8. CHANNEL FENCE PER SHT FCD-II
10. WALK GATE PER SHT FCD-II
11. SPILLWAY ACCESS LADDER PER SHT S-7
12. HEADWALL WING-TYPE PER SBC STD. DRWG. 209
14. DRAINAGE INLET TYPE G2 FOR 54" RCP PER CALTRANS SP D73
15. DRAINAGE INLET TYPE G2 FOR 30" RCP PER CALTRANS SP D73
16. SLOPED PROTECTION BARRIER PER APWA SP 360-0 (STD)
17. 6' WIDE WEST EARTHEN SWALE PER (STD)
18. 4' WIDE EAST EARTHEN SWALE PER (STD)

CONSTRUCTION NOTES:

1. CONSTRUCT SOUTH EMBANKMENT FOR BASIN NO. 3 PER PLAN ON SHEETS C-2 & C-3, PROFILE ON SHEETS P-2 & P-4, SECTIONS ON SHEETS X-11 TO X-13 & X-23 TO X-25 AND SURVEY CONTROL DATA ON SHEETS G-2 & G-3
2. CONSTRUCT EAST AND WEST EMBANKMENTS FOR SOUTH HALF OF BASIN NO. 3 PER PLAN ON SHEET C-3, PROFILE ON SHEETS P-1 TO P-3, SECTIONS ON SHEETS X-5 TO X-10 & X-13 TO X-16 AND SURVEY CONTROL DATA ON SHEET G-3
7. CONSTRUCT EAST MAINTENANCE ACCESS RAMP FOR BASIN NO. 3 PER PLAN ON SHEETS C3 & C4, PROFILE ON SHEET P-3, TYPICAL SECTION ON SHEET C-3, AND SURVEY CONTROL DATA ON SHEETS G-3 & G-4.
11. CONSTRUCT REINFORCED CONCRETE SPILLWAY PER PLAN ON SHEETS C-2, C-3, C-5 & C-6, PROFILE ON SHEETS C-5, DETAILS ON SHEETS C-6, C-7 & S-5, AND SURVEY CONTROL DATA ON SHEETS G-2, G-3 & G-5.
12. CONSTRUCT APPROX. 197 LINEAR FEET OF 96" RCP OUTLET BASIN DRAIN PER PLAN C-2, C-3, C-5 & S-5, PROFILE ON SHEET S-2 AND DETAILS ON SHEETS S-2 & S-3 (D-LOAD PER PROFILE)
13. CONSTRUCT 96" RCP ENCASEMENT PER DETAIL ON SHEET S-4
14. CONSTRUCT HEADWALL AND WINGWALLS FOR 96" RCP OUTLET PER PLAN ON SHEETS C-2, C-3, C-5 & S-2, PROFILE ON SHEET S-2, DETAILS ON SHEET S-2 & S-3 AND STRUCTURAL DETAILS ON SHEETS S-8 & S-9 PER CALTRANS STD. DETAIL D90A
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.
17. CONSTRUCT APPROX. 146 LINEAR FEET OF 54" RCP INLET PER PLAN AND DETAILS ON SHEETS SD4A & SD4B (D-LOAD PER PROFILE)
22. PROTECT IN PLACE EXISTING BOUNDARY CHAIN LINK FENCE
23. REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE CROSSING CACTUS BASIN 3
29. CONSTRUCT CONCRETE CUT-OFF WALLS PER PLAN ON SHEETS C-2, C-3, C-5 & C-6 AND DETAILS ON SHEET S-3 & S-6
30. CONSTRUCT SPILLWAY SUBDRAIN SYSTEM PER PLAN ON SHEET C-6, SECTIONS & DETAILS ON SHEETS C-6 & C-7.
35. PROTECT IN PLACE EXISTING BLOCK WALL
36. REMOVE AND DISPOSE EXISTING DOUBLE DRIVE GATE
39. BREAK AND REPLACE EXISTING 30" RCP PER PLAN, PROFILE ON SHEETS SD-3, SECTION ON SHEET SD-3 AND SURVEY CONTROL DATA ON SHEET G-3.
43. CONSTRUCT 10" THICK REINFORCED CONCRETE FLOATER SLAB PER PLAN AND DETAILS ON SHEET S-3
46. SAWCUT AND CONNECT EXISTING 24" RCP TO DRAINAGE INLET PER PLAN, PROFILE ON SHEET SD-4, PER APWA SP 308-1, CORNER CONNECTION

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, 95% RELATIVE COMPACTION)
- ZONE 4 — CONCRETED ROCK SLOPE PROTECTION (RSP). 1/4 TON, METHOD 'A' PLACEMENT
- ZONE 5 — CONCRETED ROCK SPLASH PAD, FACING CLASS, METHOD 'A' PLACEMENT
- ZONE 6 — 1/4 TON GROUTED ROCK RIP-RAP, THICKNESS = 3' MIN., DEPTH OF GROUT PENETRATION =1.25', METHOD 'A' PLACEMENT
- ZONE 8 — CONCRETED FACING ROCK, THICKNESS = 1.5' MIN., DEPTH OF GROUT PENETRATION =.75', METHOD 'A' PLACEMENT
- ZONE 9 — GRAVEL PAD ON BASIN FLOOR ADJACENT TO RAMPS PER (STD)



TYPICAL EARTHEN SWALE SECTION

SCALE 1"=10'

TYPICAL EAST RAMP SECTION

SCALE 1"=10'

TYPICAL EMBANKMENT SECTION

SCALE 1"=20'

REGISTERED PROFESSIONAL ENGINEER JAMES PATRICK BORCUK 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

GRADING PLAN SOUTH HALF OF BASIN

DATE	SCALE	FILE NO.	SHEET NO.
DEC. , 2007	AS SHOWN	2-104-	C-3