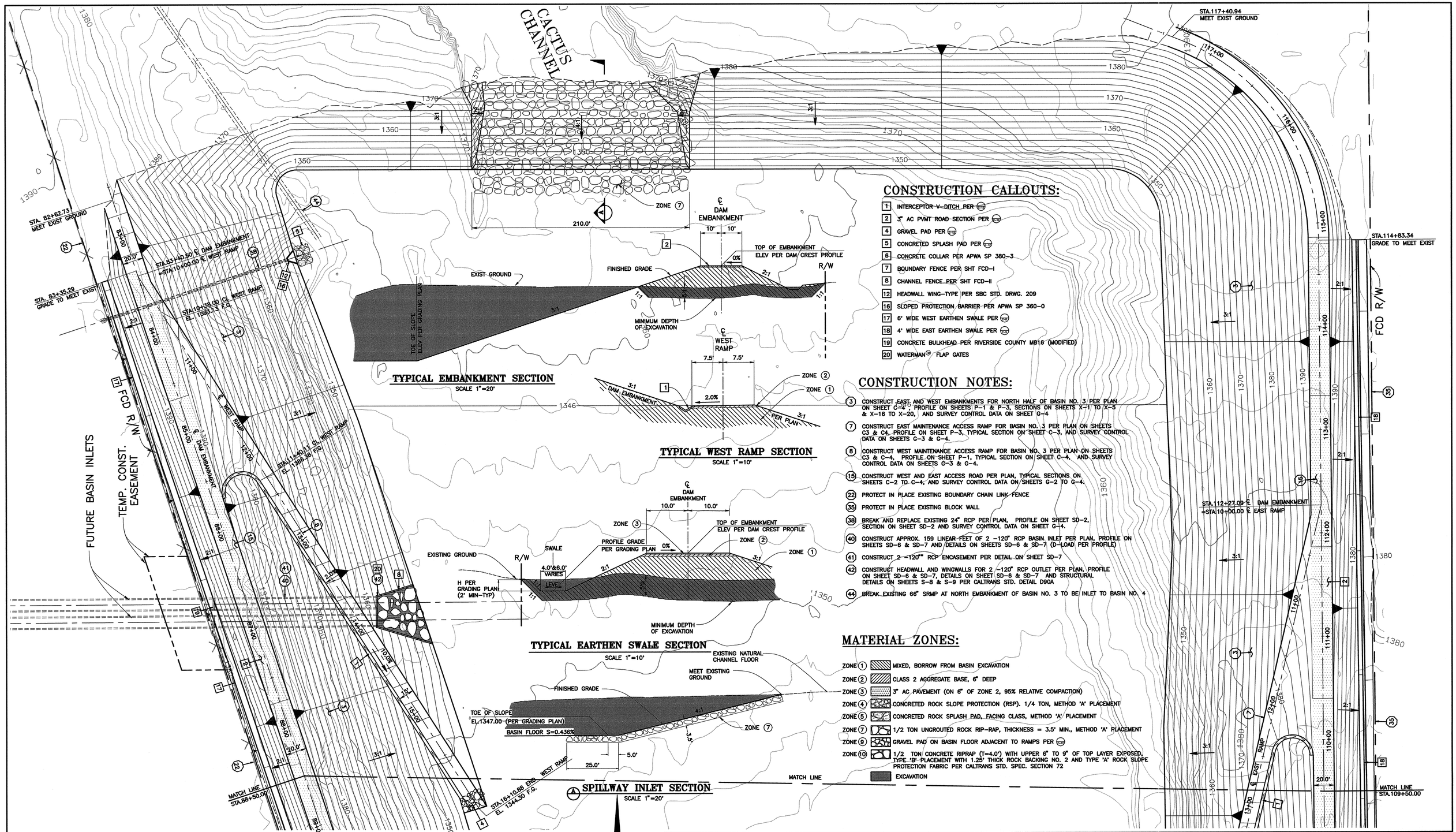

CONSTRUCTION CALLOUTS:

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
12. HEADWALL WING-TYPE PER SBC STD. DRWG. 209
16. SLOPED PROTECTION BARRIER PER APWA SP 360-0
17. 6' WIDE WEST EARTHEN SWALE PER (STD)
18. 4' WIDE EAST EARTHEN SWALE PER (STD)
19. CONCRETE BULKHEAD PER RIVERSIDE COUNTY M816 (MODIFIED)
20. WATERMAN (TM) FLAP GATES

CONSTRUCTION NOTES:

3. CONSTRUCT EAST AND WEST EMBANKMENTS FOR NORTH HALF OF BASIN NO. 3 PER PLAN ON SHEET C-4 ; PROFILE ON SHEETS P-1 & P-3, SECTIONS ON SHEETS X-1 TO X-5 & X-16 TO X-20, AND SURVEY CONTROL DATA ON SHEET G-4
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.
8. CONSTRUCT WEST MAINTENANCE ACCESS RAMP FOR BASIN NO. 3 PER PLAN ON SHEETS C3 & C-4, PROFILE ON SHEET P-1, TYPICAL SECTION ON SHEET C-4, AND SURVEY CONTROL DATA ON SHEETS G-3 & G-4.
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
35. PROTECT IN PLACE EXISTING BLOCK WALL
38. BREAK AND REPLACE EXISTING 24" RCP PER PLAN, PROFILE ON SHEET SD-2, SECTION ON SHEET SD-2 AND SURVEY CONTROL DATA ON SHEET G-4.
40. CONSTRUCT APPROX. 159 LINEAR FEET OF 2 -120" RCP BASIN INLET PER PLAN, PROFILE ON SHEETS SD-6 & SD-7 AND DETAILS ON SHEETS SD-6 & SD-7 (D-LOAD PER PROFILE)
41. CONSTRUCT 2 -120"" RCP ENCASEMENT PER DETAIL ON SHEET SD-7
42. CONSTRUCT HEADWALL AND WINGWALLS FOR 2 -120" RCP OUTLET PER PLAN, PROFILE ON SHEET SD-6 & SD-7, DETAILS ON SHEET SD-6 & SD-7 AND STRUCTURAL DETAILS ON SHEETS S-8 & S-9 PER CALTRANS STD. DETAIL D90A
44. BREAK EXISTING 66" SRMP AT NORTH EMBANKMENT OF BASIN NO. 3 TO BE INLET TO BASIN NO. 4

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 7 — 1/2 TON UNGROUTED ROCK RIP-RAP, THICKNESS = 3.5' MIN., METHOD 'A' PLACEMENT
- ZONE 9 — GRAVEL PAD ON BASIN FLOOR ADJACENT TO RAMPS PER (STD)
- ZONE 10 — 1/2 TON CONCRETE RIPRAP (T=4.0') WITH UPPER 6" TO 9" OF TOP LAYER EXPOSED, TYPE 'B' PLACEMENT WITH 1.25' THICK ROCK BACKING NO. 2 AND TYPE 'A' ROCK SLOPE PROTECTION FABRIC PER CALTRANS STD. SPEC. SECTION 72
- EXCAVATION

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 NORTH HALF OF BASIN

DATE	DEC. , 2007
SCALE	AS SHOWN
FILE NO.	2-104-
SHEET NO.	C-4