

**CONSTRUCTION NOTES**

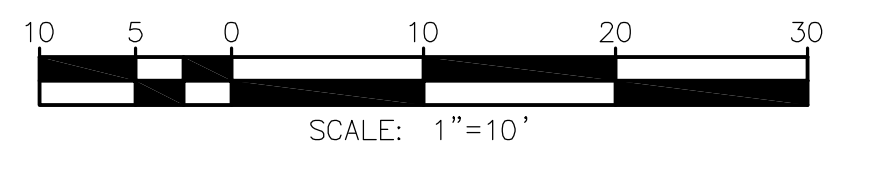
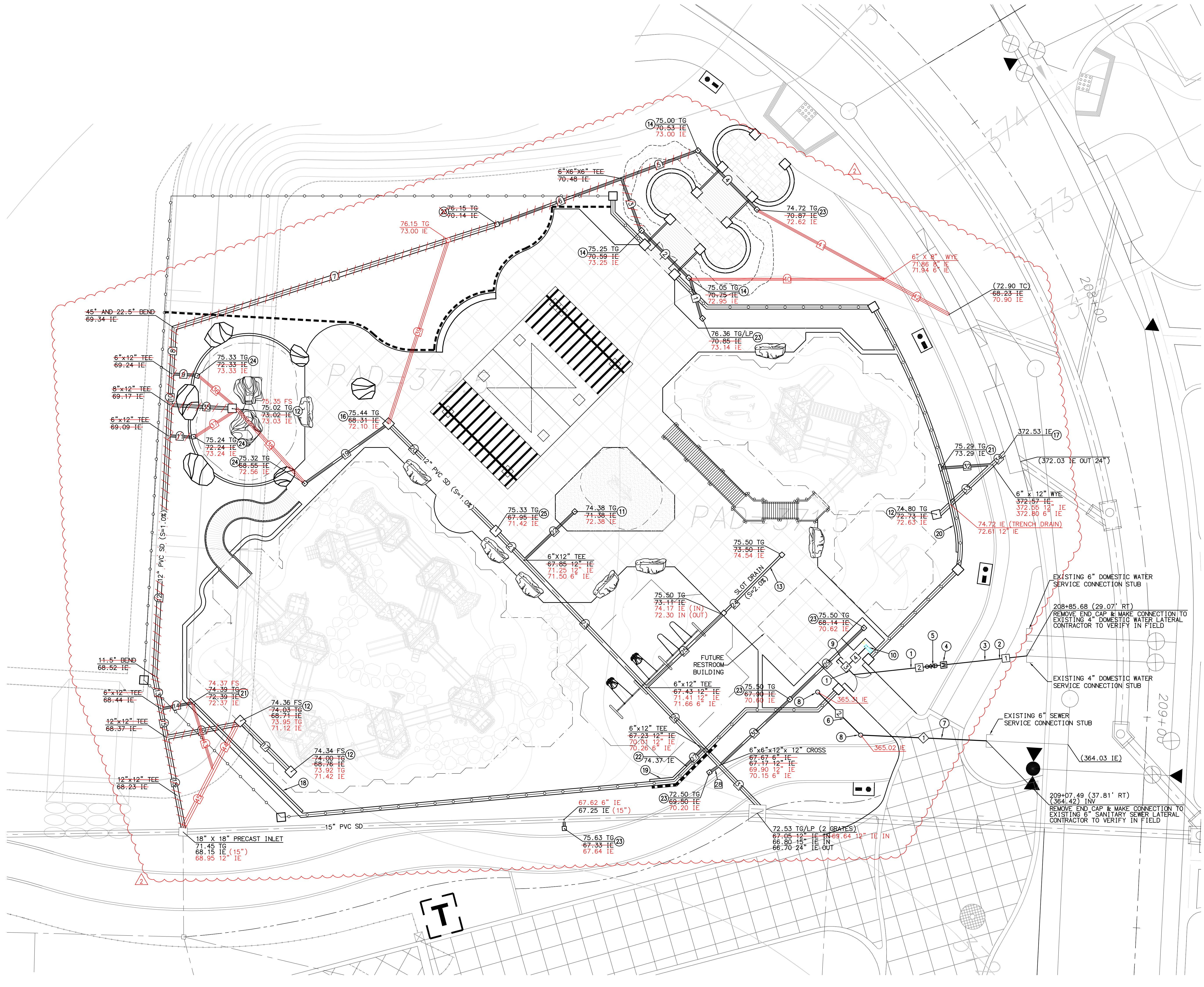
- 1 INSTALL 1" COPPER TUBING (ASTM D88 TYPE) ENCASED IN POLYETHYLENE WRAP.
- 2 INSTALL 4" PVC PIPE (SCH 80)
- 3 INSTALL PIPE REDUCER.
- 4 INSTALL 1" WATER METER PER CITY OF SAN CLEMENTE STD. W-1
- 5 INSTALL 1" BACKFLOW PREVENTER ASSEMBLY DEVICE (FEBCO 805YD OR EQUAL) PER CITY OF SAN CLEMENTE STD. W-10.
- 6 INSTALL 4" PVC SEWER PIPE (SDR 35) LATERAL. MAINTAIN 2.0% MINIMUM SLOPE.
- 7 INSTALL 6" PVC SEWER PIPE (SDR 35) LATERAL. MAINTAIN 2.0% MINIMUM SLOPE.
- 8 INSTALL SEWER CLEANOUT PER CITY OF SAN CLEMENTE STD. S-9.
- 9 INSTALL END CAP
- 10 INSTALL DRINKING FOUNTAIN PER DETAIL 9 ON SHEET CSC-13.
- 11 INSTALL SAND BOX STORM DRAIN INLET PER DETAIL 1 ON SHEET CSC-2.
- 12 INSTALL RUBBERIZED PLAY SURFACE INLET PER DETAIL 2 ON SHEET CSC-2.
- 13 INSTALL SLOT DRAIN PER DETAIL 3 ON SHEET CSC-2.
- 14 INSTALL 12" SQUARE ATRIUM DRAIN PER DETAIL 4 ON SHEET CSC-2.
- 16 INSTALL 24"x24" PRECAST STORM DRAIN INLET PER DETAIL 5 ON SHEET CSC-2.
- 17 CONNECT TO EXISTING CATCH BASIN.
- 18 INSTALL ACO K100S KLASSIKDRAIN TRENCH DRAIN PER MANUFACTURERS SPECIFICATIONS AND DETAIL 6 ON SHEET CSC-2. PART NO. K1-K11 SLOPED CHANNEL.
- 19 INSTALL ACO K100S KLASSIKDRAIN TRENCH DRAIN PER MANUFACTURERS SPECIFICATIONS AND DETAIL 6 ON SHEET CSC-2. PART NO. K1-K3 SLOPED CHANNEL.
- 20 INSTALL ACO K100S KLASSIKDRAIN TRENCH DRAIN PER MANUFACTURERS SPECIFICATIONS AND DETAIL 6 ON SHEET CSC-2. PART NO. K1-K6 SLOPED CHANNEL.
- 21 INSTALL ACO K900 IN-LINE CATCH BASIN PART NO. 96504 WITH 6" DRILL OUT.
- 22 INSTALL K208-6 6" OUTLET CAP (PP) PART NO. 97212.
- 23 INSTALL 12" X 12" ATRIUM DRAIN PER DETAIL 7 ON SHEET CSC-2.
- 24 INSTALL 12" X 12" PRECAST CONCRETE CATCH BASIN PER DETAIL 8 ON SHEET CSC-2.
- 25 INSTALL 24" X 24" PRECAST CONCRETE CATCH BASIN PER DETAIL 8 ON SHEET CSC-2.

NOTE: ADD 300" TO ALL ELEVATIONS.

SEWER DATA TABLE				
NO	BEARING/Delta	RADIUS	LENGTH	NOTE
1	N 63°33'08" E	---	29.83'	6" PVC
2	N 74°03'05" W	---	14.43'	4" PVC

WATER DATA TABLE				
NO	BEARING/Delta	RADIUS	LENGTH	NOTE
1	N 54°50'37" E	---	10.00'	4" PVC
2	N 54°47'26" E	---	31.30'	1" CU
3	N 73°44'16" W	---	5.13'	1" CU
4	N 15°56'55" E	---	6.17'	1" CU

STORM DRAIN DATA TABLE				
NO	BEARING/Delta	RADIUS	LENGTH	NOTE
1	N 45°01'00" W	9.28'	9.28'	6" PVC
2	N 74°03'05" W	---	14.84'	6" PVC
3	N 49°12'09" W	---	12.74'	6" PVC
4	N 74°03'03" W	---	18.78'	6" PVC
5	N 40°47'51" E	---	18.77'	6" PVC
6	N 40°47'51" E	---	30.98'	6" PVC
7	N 43°09'01" E	---	79.92'	12" PVC
8	N 25°50'53" W	---	10.68'	12" PVC
9	N 64°09'07" E	---	5.60'	6" PVC
10	N 25°50'53" W	---	14.72'	12" PVC
11	N 64°09'07" E	---	5.56'	6" PVC
12	N 25°50'53" W	---	57.13'	12" PVC
13	N 39°44'47" W	---	7.82'	12" PVC
14	N 50°15'13" E	---	7.56'	6" PVC
15	N 39°44'47" W	---	6.92'	12" PVC
16	N 50°15'13" E	---	17.12'	12" PVC
17	N 74°02'39" W	---	15.00'	12" PVC
18	N 39°44'47" W	---	21.76'	12" PVC
19	N 25°23'40" E	---	22.86'	6" PVC
20	N 74°03'05" W	---	34.00'	12" PVC
21	N 72°46'31" W	---	8.63'	12" PVC
22	N 17°13'29" E	---	16.19'	6" PVC
23	N 72°46'31" W	---	41.82'	12" PVC
24	N 15°56'55" E	---	18.51'	SLOT DRAIN
25	N 17°13'29" E	---	25.13'	6" PVC
26	N 72°46'31" W	---	19.81'	12" PVC
27	N 15°56'55" E	---	8.89'	6" PVC
28	N 26°46'49" E	---	2.51'	6" PVC
29	N 16°59'48" E	---	23.39'	6" PVC
30	N 17°39'20" E	---	22.31'	6" PVC
31	N 72°46'31" W	---	12.95'	12" PVC
32	N 57°06'12" E	---	12.11'	6" PVC
33	N 17°44'34" E	---	16.95'	12" PVC
34	N 17°44'34" E	---	3.88'	12" PVC
35	N 64°09'07" E	---	13.78'	8" PVC
36	N 78°58'08" W	---	10.19'	6" PVC
37	N 27°52'54" E	---	10.31'	6" PVC
38	N 71°24'01" W	---	23.61'	8" PVC
39	N 11°01'20" W	---	45.81'	8" PVC
40	N 60°56'55" E	---	45.99'	6" PVC
41	N 89°26'37" E	---	33.91'	6" PVC
42	N 89°26'37" E	---	17.53'	8" PVC
43	N 46°32'20" W	---	16.68'	6" PVC
44	N 01°32'20" W	---	12.27'	12" PVC
45	N 01°32'20" W	---	15.41'	12" PVC



APPROVED BY:  
 AL KING, DIRECTOR OF BEACHES, PARKS, & RECREATION  
 WILLIAM E. CAMERON, CITY ENGINEER

REVISIONS			
NO.	DESCRIPTION	REVISED	APPROVED
ADDENDUM 1	RE-ISSUED PLAN SHEETS 63 - 84.		
ADDENDUM 2	PLAN REVISIONS		

JOB NO.: 55-100635  
 SMP NO.: 649-xxx  
 SCALE: AS SHOWN  
 DESIGNED BY: RBF  
 PREPARED BY: RBF  
 PLANS PREPARED BY: RBF CONSULTING  
 5050 AVENIDA ENCINAS, SUITE 280  
 CARLSBAD, CALIFORNIA 92008-4386  
 760.476.9193 • FAX 760.476.9198 • WWW.RBF.COM  
 DATE: R.C.E. #C69815

**CITY OF SAN CLEMENTE**  
 DEPARTMENT OF BEACHES, PARKS, & RECREATION  
**LA PATA PARK - COURTNEY'S SAND CASTLE**  
 SEWER, WATER AND STORM DRAIN IMPROVEMENT PLAN

**CSC-4**  
 DRAWING NO.:  
 SHEET NO.: **151**  
 OF 178



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