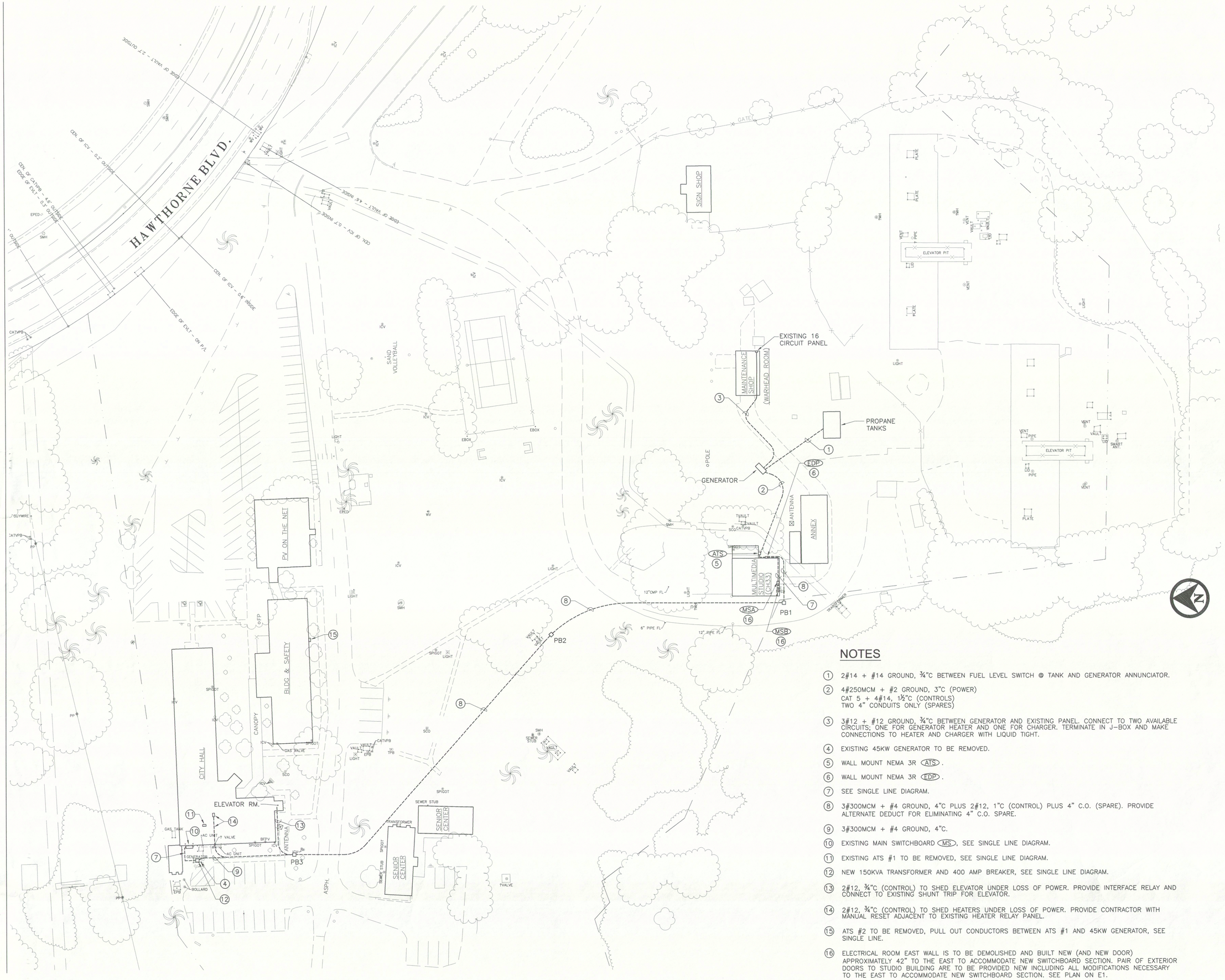

NOTES

1. 2#14 + #14 GROUND, ¾"C BETWEEN FUEL LEVEL SWITCH @ TANK AND GENERATOR ANNUNCIATOR.
2. 4#250MCM + #2 GROUND, 3"C (POWER)
   CAT 5 + 4#14, 1½"C (CONTROLS)
   TWO 4" CONDUITS ONLY (SPARES)
3. 3#12 + #12 GROUND, ¾"C BETWEEN GENERATOR AND EXISTING PANEL. CONNECT TO TWO AVAILABLE CIRCUITS; ONE FOR GENERATOR HEATER AND ONE FOR CHARGER. TERMINATE IN J-BOX AND MAKE CONNECTIONS TO HEATER AND CHARGER WITH LIQUID TIGHT.
4. EXISTING 45KW GENERATOR TO BE REMOVED.
5. WALL MOUNT NEMA 3R (ATS).
6. WALL MOUNT NEMA 3R (EDP).
7. SEE SINGLE LINE DIAGRAM.
8. 3#300MCM + #4 GROUND, 4"C PLUS 2#12, 1"C (CONTROL) PLUS 4" C.O. (SPARE). PROVIDE ALTERNATE DEDUCT FOR ELIMINATING 4" C.O. SPARE.
9. 3#300MCM + #4 GROUND, 4"C.
10. EXISTING MAIN SWITCHBOARD (MS), SEE SINGLE LINE DIAGRAM.
11. EXISTING ATS #1 TO BE REMOVED, SEE SINGLE LINE DIAGRAM.
12. NEW 150KVA TRANSFORMER AND 400 AMP BREAKER, SEE SINGLE LINE DIAGRAM.
13. 2#12, ¾"C (CONTROL) TO SHED ELEVATOR UNDER LOSS OF POWER. PROVIDE INTERFACE RELAY AND CONNECT TO EXISTING SHUNT TRIP FOR ELEVATOR.
14. 2#12, ¾"C (CONTROL) TO SHED HEATERS UNDER LOSS OF POWER. PROVIDE CONTRACTOR WITH MANUAL RESET ADJACENT TO EXISTING HEATER RELAY PANEL.
15. ATS #2 TO BE REMOVED, PULL OUT CONDUCTORS BETWEEN ATS #1 AND 45KW GENERATOR, SEE SINGLE LINE.
16. ELECTRICAL ROOM EAST WALL IS TO BE DEMOLISHED AND BUILT NEW (AND NEW DOOR) APPROXIMATELY 42" TO THE EAST TO ACCOMMODATE NEW SWITCHBOARD SECTION. PAIR OF EXTERIOR DOORS TO STUDIO BUILDING ARE TO BE PROVIDED NEW INCLUDING ALL MODIFICATIONS NECESSARY TO THE EAST TO ACCOMMODATE NEW SWITCHBOARD SECTION. SEE PLAN ON E1.

REV.	DESCRIPTION	DATE

Project

RPV GENERATOR

CITY OF RANCHO PALOS VERDES
30940 HAWTHORNE BLVD.
RANCHO PALOS VERDES, CA 90275

NIKOLAKOPULOS and ASSOC., INC.
CONSULTING ELECTRICAL ENGINEERS

2780 SKYPARK DRIVE, SUITE #280
TORRANCE, CA 90505
310/530-7277 FAX: 310/530-7283

REGISTERED ELECTRICAL ENGINEER — JAMES NIKOLAKOPULOS — No. E 6243 — REN. 09-30-10 — STATE OF CALIFORNIA

Sheet Title

SITE ELECTRICAL PLAN

Scale: 1"= 30'

Date 3/12/09

CAD File | Project Number

Sheet Number

E3R2