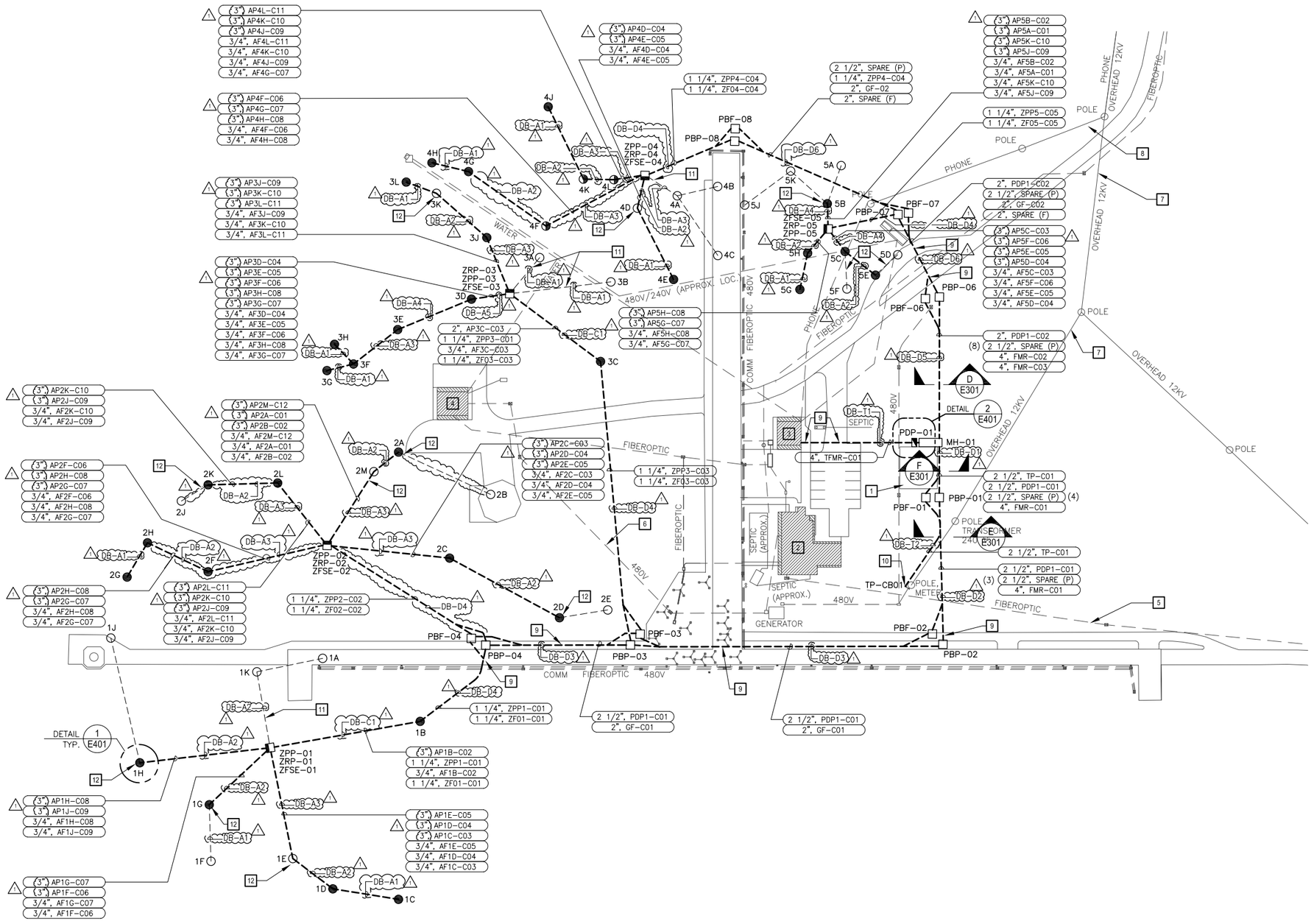

SOUTH AREA
SITE PLAN
scale: 1=20M

GENERAL NOTES

1. FUTURE ANTENNA CONDUIT IN THE SAME DUCT BANK WITH NEW ANTENNA CONDUIT TO BE TERMINATED AND CAPPED OUTSIDE OF NEW ANTENNA FOUNDATION AREA. TIE YELLOW MARKING TAPE AT END OF CONDUIT TO INDICATE CONDUIT CAP POSITIONS. TAPE SHALL BE VISIBLE AFTER BACKFILL. MARK TAPE WITH ANTENNA NUMBER.
2. TRENCHING LAYOUT IS DIAGRAMMATIC AND EXACT ROUTING AND PULL BOX LOCATIONS SHALL BE VERIFIED IN THE FIELD. ALL EXISTING ABOVE & BELOW GROUND OBSTRUCTIONS MUST BE VERIFIED. AREA CONTAINS LAVA FORMATIONS ABOVE AND BELOW GROUND LEVEL. CONTRACTOR SHALL COORDINATE WITH LOCAL UCB STAFF TO ACCESS THE EXTENT OF LAVA IN AREAS TO BE TRENCHED.
3. ALL UNDERGROUND CONDUIT SHALL BE PVC SCH. 40. ALL TURN–UP 90° AND EXPOSED CONDUIT AND FITTINGS SHALL BE RGS.
4. ALL DUCT BANKS SHALL BE SLOPED TOWARD EACH PULL BOX OR MANHOLE WITH THE HIGHEST ELEVATION AT MIDPOINT OF THE RUN. SLOPE SHALL BE APPROXIMATELY 1 INCH PER 100 FEET.

KEYED NOTES

1. PROCESSOR BUILDING (FUTURE)
2. (E) ADMINISTRATION BUILDING
3. (E) LABORATORY 1
4. (E) LABORATORY 2
5. (E) UNDERGROUND FIBER OPTIC
6. (E) UNDERGROUND 480V
7. (E) OVERHEAD 12KV
8. (E) OVERHEAD TELECOM LINES
9. CONTRACTOR SHALL SAW CUT ALL CROSSING OF ROADWAYS, RUNWAYS, SIDEWALKS, ETC. ALL AREAS THAT ARE CUT SHALL BE REPAIRED WITH LIKE MATERIALS AND BROUGHT BACK TO THEIR ORIGINAL CONDITION.
10. CONTRACTOR SHALL INSTALL (1) NEMA 3R, 225A, 480V, 3P, 35KAIC, CIRCUIT BREAKER, SQUARE D ENCLOSURE, #KA225RB, CIRCUIT BREAKER #KAL36225 OR APPROVED EQUAL, ON PLYWOOD PANEL. INSTALL CONDUIT AND WIRE PER CABLE SCHEDULE. TAP LINE SIDE OF 225A CIRCUIT BREAKER ON TO LOAD SIDE OF EXISTING 400A CIRCUIT BREAKER LOCATED AT POWER POLE.
11. INSTALL POWER CONDUITS FOR FUTURE ANTENNAS FROM MANIFOLD TO UNDERGROUND AND TERMINATE 20' FROM EQUIPMENT PAD AND CAP. INSTALL FUTURE FIBER CONDUIT 20' OUT FROM ZFPB AND CAP.
12. PROVIDE CONDUIT CAP AND TERMINATE CONDUIT RUN FOR FUTURE ANTENNAS OUTSIDE OF ANTENNA FOUNDATION AREA.

LEGEND

- ZPP–04 — DENOTES ZONE POWER PANEL, SUPPLYING 208/120V POWER TO EACH ZONE, WHICH CONSISTS OF 5–12 ANTENNAS AND A ZONE COOLING UNIT.
- PBP–04 — DENOTES UNDERGROUND 480V PULLBOX
- 1A — DENOTES AN EXISTING ANTENNA WITH A ZONE NUMBER IDENTIFIER
- 1A — DENOTES A NEW ANTENNA WITH A ZONE NUMBER IDENTIFIER
- 1A — DENOTES A FUTURE ANTENNA WITH A ZONE NUMBER IDENTIFIER
- DENOTES DUCT BANK (TRENCHING FIRST PHASE)
- DENOTES FUTURE DUCT BANK (FUTURE TRENCHING)
- DENOTES FIBER HANDHOLE
- XX, XXXX–XXX — DENOTES CONDUIT SIZE AND NUMBER
- PBF–02 — DENOTES UNDERGROUND FIBER PULLBOX
- MH–01 — DENOTES MANHOLE
- PDP–01 — DENOTES POWER DISTRIBUTION PANEL
- ZRP–01 — DENOTES ZONE ROUTER PANEL
- ZFSE–01 — DENOTES ZONE FIBER SPLICE ENCLOSURE
- DB–A1 — DENOTES DUCTBANK TYPE

Sym.	Description	Date	Drawn By	Appr. By
1	REVISED TRENCHING	2–25–04	FDA	
0	ISSUED FOR CONSTRUCTION	12–5–03	DK2	RAC

PH: (800) 889–WRMS
Fax: (925) 933–5167
WRMS ENGINEERING
Walnut Creek, CA
Seattle, WA
Boston, MA

Drawn By: DK2
Designed By: RAC
Date: 9/2/03
Proj. No.: 02–242

ALLEN TELESCOPE ARRAY
HAT CREEK RADIO OBSERVATORY
HAT CREEK, CA

ELECTRICAL/FIBER OPTIC
TRENCHING PLAN, PHASE I

One Inch at Full Scale (0 .5 1.0)
Dwg. No: E201
Rev.: 1