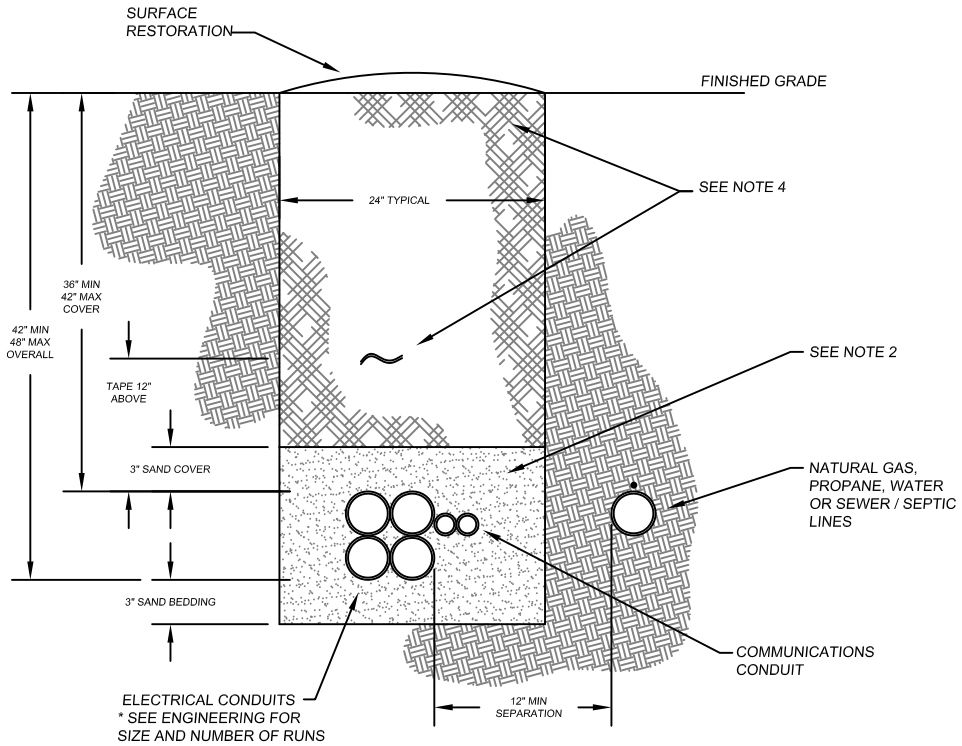

* ALL TRENCHING, CONDUIT AND CONDUIT INSTALLATION SHALL BE PROVIDED BY THE APPLICANT / CUSTOMER

* SEE VAULT PIT SPEC FOR CONDUIT TERMINATION DETAILS

GENERAL NOTES:

1) THE MINIMUM DEPTH OF TRENCH REQUIRED FOR SECONDARY ELECTRICAL SERVICES (GREATER THAN 600 V) IS 36". THE MAXIMUM DEPTH OF TRENCH IS 48".

2) TRENCH SHOULD BE AS STRAIGHT AS POSSIBLE WITH NO MORE THAN (3) 90° BENDS TOTAL PER CONDUCTOR RUN. IN AREAS WHERE TRENCH CHANGES DIRECTION, CORNERS SHOULD BE ROUNDED TO ALLOW FOR LARGE RADIUS SWEEPS. THE FLOOR OF THE TRENCH SHOULD BE AS LEVEL AND FLAT AS POSSIBLE. SAND BEDDING MAY BE REQUIRED IN ROCKY SOIL CONDITIONS OR WHERE NECESSARY.

3) TYPICAL CONDUIT INSTALLATION SHALL CONSIST OF 2" CONDUIT FOR SINGLE PHASE AND 4" FOR MULTIPHASE INSTALLATIONS. ALL CONDUIT SHOULD BE SCH 40 GRAY, GLUED TOGETHER WITH PULL-STRING OR "MULE-TAPE" INSERTED OR BLOWN IN. THE NUMBER OF RUNS OF CONDUITS, INCLUDING SPARES WILL BE DETERMEINED BY THE KPUD ENGINEERING STAFF. A REASONABLE EFFORT SHOULD BE MADE TO KEEP CONDUIT FREE OF DIRT AND ROCKS. LARGE RADIUS SWEEPS (36" MIN) SHALL BE USED AT ALL TRENCH CORNERS AND ENDS. ALL ENDS SHOULD BE CAPPED, NOT GLUED. AND FINALLY, NO REDUCERS WILL BE ALLOWED.

4) BACKFILL SHOULD NOT BE USED IF IT CONTAINS LARGE ROCK, PAVING MATERIALS, CINDERS, LARGE OR SHARPLY ANGULAR SUBSTANCE OR CORROSIVE MATERIALS WHICH CAN DAMAGE CONDUITS, CABLES OR OTHER SUBSTRUCTURES OR PREVENT ADEQUATE COMPACTION OF FILL OR CONTRIBUTE TO CORROSION OF CONDUITS, CABLES OR OTHER SUBSTRUCTURES. RED LOCATE WARNING TAPE SHOULD BE LAID INTO THE TRENCH ABOUT 12" ABOVE THE POWER CONDUITS.

5) VAULT OR TRANSFORMER LOCATIONS SHOULD BE VERIFIED WITH ENGINEERING STAFF. PULLING VAULTS MAY BE REQUIRED IF PULLING TENSION EXCEEDS MANUFACTURERS SPECIFICATIONS.

Kittitas Public Utility District #1 Construction Specifications	Primary Distribution Trench Requirements	Drawn by:	MB	Revision Date:	8-12-2020
		Approved by:	BV	Scale:	1" = 2'