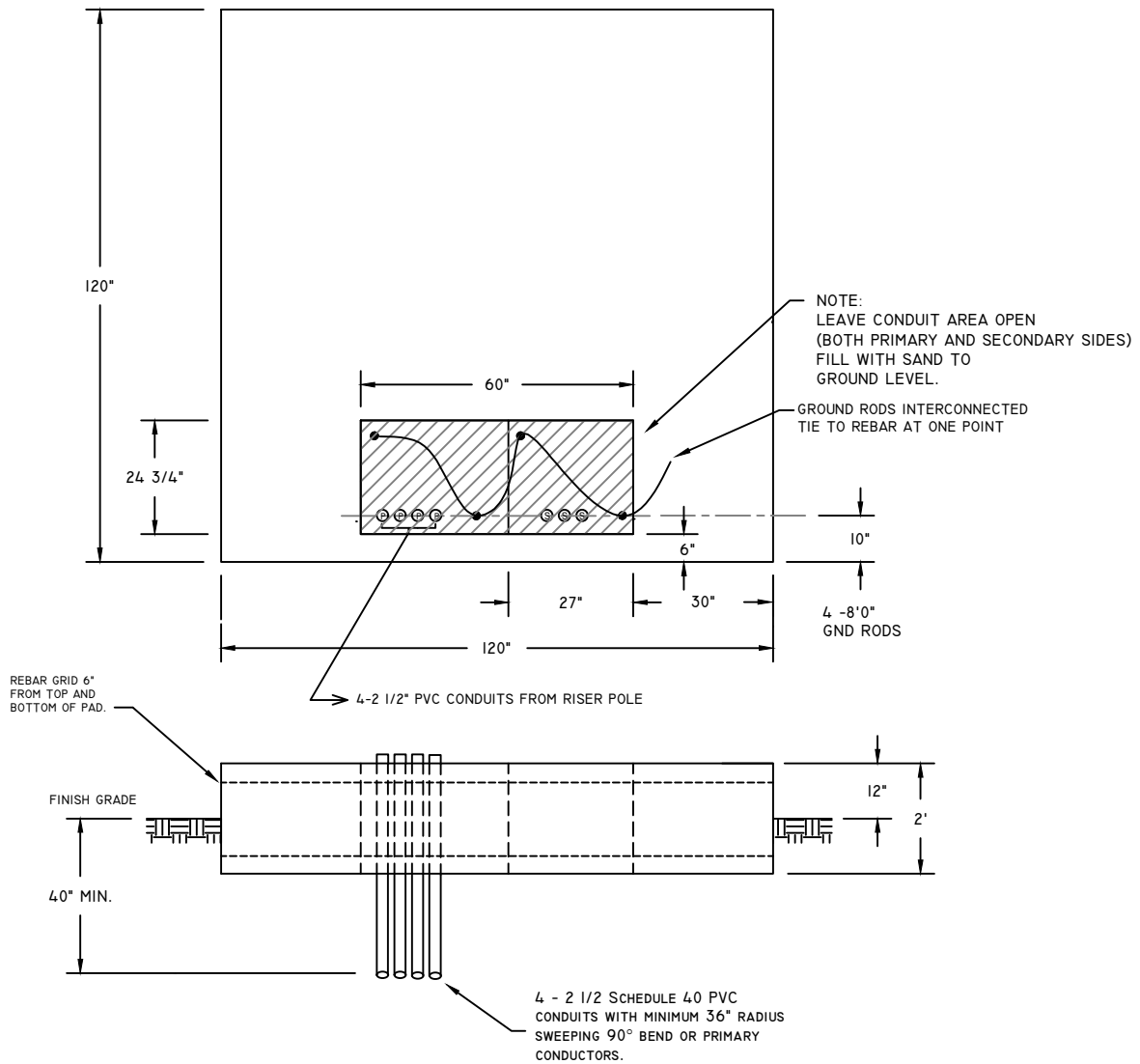


# UNION CITY ENERGY AUTHORITY TRANSFORMER PAD SPECIFICATIONS

## LARGE TRANSFORMER PAD



1. FOR THE PURPOSE OF INSPECTION, THE ELECTRIC SYSTEM SHALL BE NOTIFIED PRIOR TO PAD BEING POURED.
2. CONCRETE TO BE REINFORCED WITH 2 - #4 REBAR GRIDS, 1' 0" O.C. AND ESPECIALLY IN FRONT 6" LIP. REBAR SHALL BE GROUNDED TO ONE (1) OF THE 8' 0" GROUND RODS. REBAR SHALL NOT BE IN PRIMARY CONDUCTOR AREA.
3. GROUNDING CONDUCTOR SHALL CONSIST OF #2 COPPER STRANDED.
4. ALL EXPOSED EDGES SHALL HAVE A 1" CHAMFER.
5. CONCRETE SHALL HAVE A COMPRESSION STRENGTH OF 4000 PSI IN 28 DAYS AND CONCRETE MIXTURE SHALL HAVE 4-6% AIR ENTRAINMENT.
6. CONTRACTOR TO INSTALL FOUR (4) - 8' 0" GROUND RODS AS SHOWN BEFORE PAD IS POURED PER UCES SPECIFICATIONS. GROUND RODS SHALL EXTEND 4" ABOVE PAD SURFACE.
7. BOTH PRIMARY AND SECONDARY CONDUITS SHALL BE LOCATED IN THE CROSSED SECTION OF THE TRANSFORMER. CROSS SECTION IS TO BE LEFT OPEN.
8. FOUR (4)-2.5" PVC CONDUITS SHALL BE PROVIDED FOR THE PRIMARY CONDUCTORS. CONDUIT SHALL HAVE PVC END BELLS AT TRANSFORMER END AND PULL STRING IN EACH CONDUIT.
9. CONDUITS SHALL BE CONNECTED TO UCES POLE WITH A CONDUIT STAND-OFF BRACKET AVAILABLE AT UCES.
10. USE ONLY 36" SWEEPING PVC. ELBOWS WHEN TURNING CONDUIT UP INTO TRANSFORMER PAD AND ALSO AT POLE.
11. ALL SECONDARY CONDUCTORS SHALL BE COPPER.
12. ALL TRANSFORMER PADS SHALL NO CLOSER THAN 30' ANY BUILDING STURCTURES