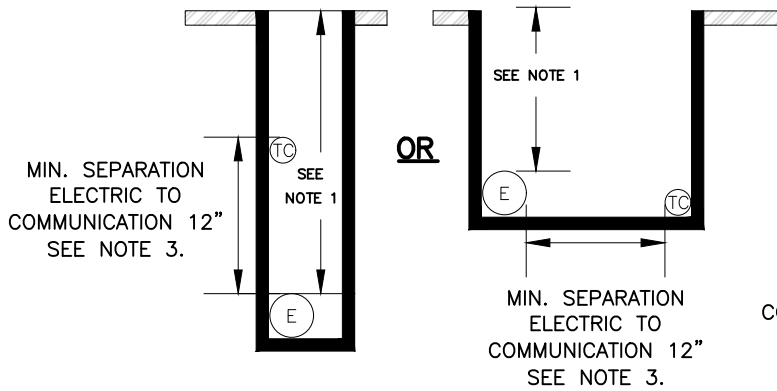
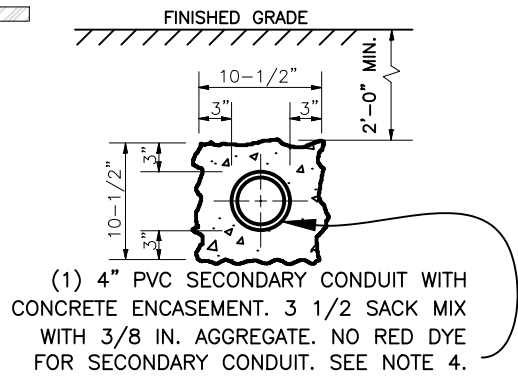


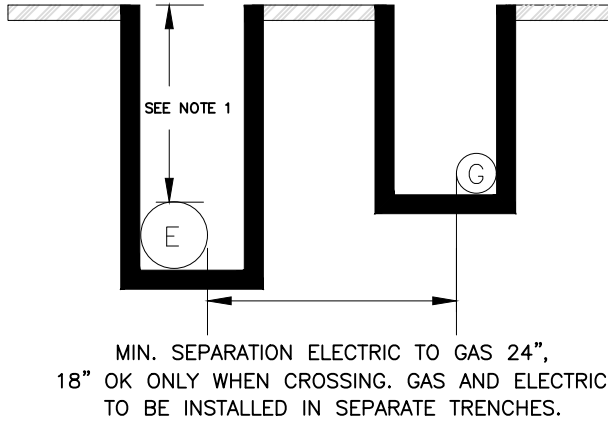
TELECOMMUNICATION SEPARATION



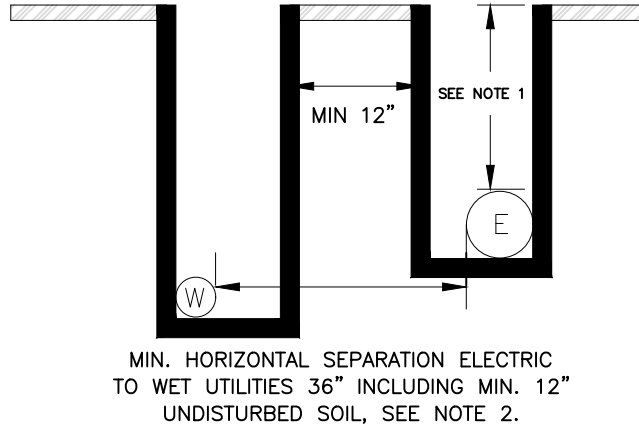
CONCRETE ENCASEMENT



GAS SEPARATION



WET UTILITY SEPARATION



NOTES:

E = SECONDARY ELECTRICAL, G = GAS, TC = TELECOMMUNICATIONS, W = WET UTILITY

NOTE 1: MINIMUM DEPTH TO TOP OF CONDUIT 24" IN PARKWAY, ALLEY, OR STREET WITH 3" CONCRETE ENCASEMENT, 24" DEEP PVC DIRECT BURY ON RESIDENTIAL PRIVATE PROPERTY ONLY. DEPTH IS MEASURED FROM TOP OF CONDUIT TO FINISHED GRADE.

NOTE 2: WET UTILITIES INCLUDE WATER LINES, IRRIGATION, DOWNSPOUTS, RUNOFF CONTROL, POOL PLUMBING, SEWAGE, ETC.

NOTE 3: CONTACT COMMUNICATION PROVIDER FOR UNDERGROUNDING REQUIREMENTS AND PRE-APPROVAL.

NOTE 4: PUBLIC RIGHT OF WAY EXCAVATION REQUIRES SEPARATE PUBLIC WORKS PERMIT AND INSPECTION. BWP CONCRETE ENCASEMENT MUST BE CONTAINED WITH FORMS TO ENSURE EVEN AND SQUARE ENCASEMENT. CONDUIT MUST BE BRACED WITH DUCT SPACERS TO PREVENT MOVEMENT OR FLOATING IN CONCRETE. PUBLIC WORKS REQUIRED SLURRY BACKFILL DOES NOT SUBSTITUTE 3" CONCRETE ENCASEMENT REQUIREMENT. BWP MUST INSPECT CONCRETE ENCASEMENT PRIOR TO SLURRY OR BACKFILL. CONDUIT MUST RUN PARALLEL OR PERPENDICULAR TO PUBLIC RIGHT OF WAY, CONDUIT SHALL NOT CROSS ANY ALLEY/STREET AT AN ANGLE.

1. NON-UTILITY LINES ARE NOT ALLOWED IN ANY UTILITY TRENCH (IRRIGATION CONTROL, FIRE BUILDING ALARM, LOAD SIDE ELECTRICAL, POOL LIGHTING, ETC.).
2. UNDERGROUND CONDUIT MUST MAINTAIN MIN. 5 FOOT CLEARANCE FROM EDGE OF CONDUIT TO IN-GROUND POOL, SPA, POND, ETC.
3. CONDUIT MAY NOT CROSS UNDERNEATH ANY PORTION OF ANY PERMANENT STRUCTURE.
4. THE BOTTOM OF THE TRENCH SHALL BE SMOOTH WITH NO SHARP PROTRUSIONS THAT MAY DEFLECT OR DAMAGE THE CONDUIT. BACKFILL MUST BE FREE OF DEBRIS GREATER THAN 1/2" AND MUST NOT CONTAIN ANY SHARP ROCKS OR OBJECTS THAT MAY DAMAGE THE CONDUIT. NATIVE BACKFILL PREFERRED. IF CLEAN NATIVE BACKFILL IS NOT AVAILABLE, MINIMUM 6" OF ACCEPTABLE BACKFILL MUST BE IMPORTED. BACKFILL TO BE COMPACTED TO MINIMUM 90%.
5. NOTIFY USA DIGALERT 811 OR 1-800-422-4133 PRIOR TO ANY EXCAVATION.
6. ANY TRENCH 48" OR DEEPER REQUIRES SAFE ACCESS AND EGRESS EVERY 25'. SHORE TRENCHES LESS THAN 60" IF REQUIRED. ANY TRENCH DEEPER THAN 60" MUST HAVE PROTECTIVE SYSTEMS (SHORING) MEETING OSHA REQUIREMENTS. KEEP EXCAVATED SOIL MIN. 24" FROM TRENCH EDGES. INSTALLATIONS NOT MEETING THESE REQUIREMENTS CANNOT BE INSPECTED UNTIL THESE REQUIREMENTS ARE MET.

IN CASE OF CONFLICT BETWEEN THIS STANDARD AND CPUC GO-128, THEN GO-128 SHALL TAKE PRECEDENCE. ANY VARIANCE FROM THIS STANDARD MUST BE PRE-APPROVED IN WRITING BY BWP. ALL INSTALLATIONS MUST MEET MINIMUM GO-128 REQUIREMENTS.

						BURBANK WATER AND POWER – ELECTRIC SERVICES	
C	STANDARDIZED FORMATTING	MEP	CJC	5/9/23		RESIDENTIAL UNDERGROUND SERVICE CONDUIT SEPARATION	DRAWING No.
B	REVISED WET UTILITY SEPARATION	PA/SK	RS	8/6/19			S-811C
A	NEW DRAWING	SK	RS	04/03/18			
No.	REVISIONS	BY	APPR'V'D	DATE			Sheet 1 of 1