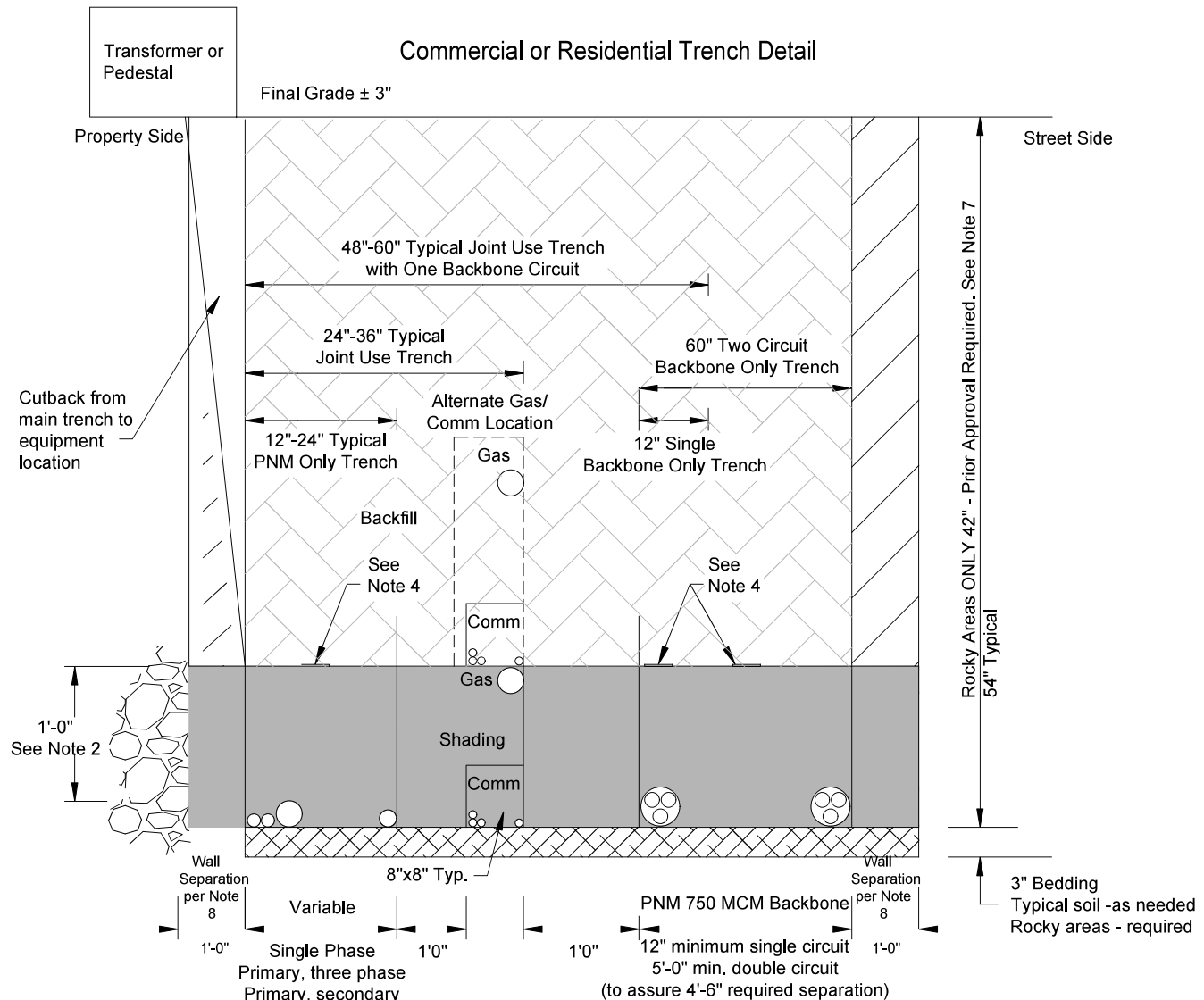


Trench Detail With or Without Backbone



NOTES

- Where applicable, compaction in city or state right-of-way shall meet or exceed associated minimum requirements.
- Shading and bedding material to be Type III (sand) or Type IV, Class 2 (reused or imported soil) and be free of debris and have no gravel larger than 2". If trench-run spoils meet backfill type requirements, bedding may be omitted provided the trench bottom is smooth, flat, and without surface irregularities and shall be free and clear of debris or organic material. If trench bottom cannot with reasonable effort achieve this requirement, a minimum 3" bedding shall be installed to provide the necessary surface. Bedding is required in all rocky areas. A minimum of 12" of shading over PNM facilities is required.
- Latest OSHA trench safety requirements must be strictly observed.
- Warning tape shall be placed a minimum 12" above top of duct(s) at the center of each section of electric trench.
- Separation between PNM and other joint utilities shall be a minimum of 12", including any crossings.
- Private streetlight circuits or private lighting circuits shall maintain 12" minimum separation from all other joint trench occupants. PNM owned or maintained lighting circuits may be installed adjacent to other non-backbone electric facilities.
- Application of depths in rocky areas require prior approval by PNM Distribution Engineering. Rocky areas are those where earth requires the use of rock saw, rock trencher, jackhammers, or explosives to obtain proper depth.
- Wall separation required in rocky areas only.
- See DS-10-8.2 Pg 3 for additional details in residential developments and DS-10-8.2 Pg 2 for service trench.
- Cable in duct shall not be used in any cable run in combination with direct buried cable.
- Local gas utility to determine minimum separation, but in no case shall it be less than 12". If backbone is present, location of gas facilities to be determined by NM Gas and may be positioned outside the above detail.
- Wet utilities (water, sewer, storm drain) not allowed.
- Joint trench with two 750MCM backbone circuits is strongly discouraged.

REFERENCES

- NESC Rule 352A2, Rule 352D, and Rule 353.
- See DS-10-8.2 Pg 3 for typical residential area configuration.
- See DS-10-8.2 Pg 2 for typical residential service trench detail.
- See DS-10-12.4 for fill material requirements.

