



Note: Pipe Shall be installed per plan and have minimum 3' coverage

INSTALLATION NOTES:

- ①a Trench backfill with Garey Screened Fill Sand supplied by CalPortland Co.
- ①b Trench backfill with sand (1a). Rock/aggregate base shall not be used unless approved by Cal Poly Rep, FMD and the Campus Engineer.
- ② Bedding shall be 6" thick.
- ③ All utilities shall be installed with tracer tape and a magnetic tracer wire as shown above. Gravity Pipes shall be installed with underground tracer tape only. Tracer wire shall be 14-gauge insulated solid copper with white or other approved light color insulator. Tracer wire shall be secured to the center of the top of the pipe with tape at 6 foot intervals. Adjacent to each manhole and lift station, a G-5 utility well shall be installed per Campus Standard 6040 for access to tracer wire. Tracer wire shall be continuous and shall be tested for continuity using typical low frequency (512 HZ or similar) line locating equipment. Wire to services, fire lines, etc. shall be joined to wire on main.
- ④ When flexible pipe (PVC, HDPE, etc.) is used, pipe shall be backfilled to the spring line, compacted and backfill tested prior to completing initial backfill.
- ⑤ The streets of Cal Poly are generally paved with AC. Unless clearly indicated on the plans, it is the contractor's responsibility to determine the nature of the paving material. (Case 1 - AC only)
- ⑥ Replacement pavement shall be "in kind.", material MIN 6" thick.
- ⑦ When only AC is used, new AC shall be 6" thick on local streets.
- ⑧ Filter fabric shall be required when initial backfill is float rock. Filter fabric shall be placed between initial and subsequent backfill and wrapped up trench sides 6". Filter fabric shall conform to the requirements in Section 88 and shall be permeable and non-woven. Filter fabric shall be Mirafi 140 NC or equal.

GENERAL NOTES:

- A. Backfill testing is required and results are subject to approval by Cal Poly (CP). Tracer Wire Testing: Refer to Section 33 00 00, 1., E.
- B. No longitudinal joints or seams are allowed in bike lanes. If a longitudinal joint may result due to the contractor's work, or this requirement, the contractor shall remove a minimum of 2" of asphalt from the pavement across the entire bike lane using a method approved by Cal Poly (CP) and resurface the bike lane to the satisfaction of CP.
- C. During backfill operations, the trench shall be backfilled and compacted and tested to the spring line of any utilities crossing the trench before proceeding with further backfill.
- D. Float rock may be substituted for initial backfill when ground water is present as approved by Cal Poly. Float rock depth shall vary based upon groundwater depth
- E. Concrete plug maybe required by Cal Poly where groundwater is anticipated. Location and frequency shall be determined by CP.
- F. A minimum of 1' separation shall be provided for all utility crossings, unless a greater separation is required by code or campus standards.

REVISIONS	BY	APP	DATE
STANDARD CURRENT AS OF: 01/01/2025			



TRENCH DETAIL