



**NOTES:**

**DETAIL A** ①

- ① See City Standard Specifications, Section 19, for backfill material and bedding requirements.
- ② Bedding shall be 4" thick except as otherwise noted in the Standard Specifications.
- ③ Non-metallic sewerlines shall be installed with a magnetic tracer tape as shown above. All waterlines and sewer force mains shall be installed with 14-gauge insulated solid copper tracer wire, secured to the center of the top of the pipe with tape at 6' intervals. Adjacent to each manhole and lift station, a G-5 utility well shall be installed per Eng Std 6040 for access to force main tracer wire. Tracer wire is to be installed per Engineering Standard #6340. Wire shall be continuous and be tested for continuity. Wire to services, fire lines, etc. shall be joined to wire on main. All joints in wire to be soldered and wrapped with electrical tape.
- 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 During backfill operations, the the trench shall be backfilled and compacted and tested to the spring line of any utilities crossing the trench before proceeding with further backfill.
- ⑥ Float rock may be substituted for initial backfill when ground water is present as approved by the Engineer.
- ⑦ Filter fabric shall be required when intial backfill is float rock. Filter fabric shall be placed between intial and subsequent backfill and wrapped up trench sides 6".
- ⑧ Concrete plug maybe required by the Engineer where groundwater is anticipated. Location and frequency shall be determined by the Engineer.

*THIS STANDARD APPLIES ONLY TO AREAS THAT ARE NON-TRAFFIC, NOT IN STREETS OR PARKING LOTS.*

REVISIONS	BY	APP	DATE
Revise Note 3	DVB	BL	11-06
Added Notes 6, 7, 8	MH	JDW	10-04
Revised note 3	MH	BL	10-09
STANDARD CURRENT AS OF:		January 2010	



**TRENCH DETAIL #3**  
UNPAVED NON-TRAFFIC AREAS

6030