



## CITY OF MARSHFIELD, WISCONSIN POLICIES AND PROCEDURES

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|-------------------|-------------------------|
| 1. COMMON COUNCIL | 4. FINANCIAL            |
| 2. ADMINISTRATIVE | <b>5. PUBLIC WORKS</b>  |
| 3. PERSONNEL      | 6. PARKS AND RECREATION |

CHAPTER: Street/Sewer Construction and Maintenance

SUBJECT: Backfilling

POLICY NUMBER: 5.320

PAGES: 2

EFFECTIVE DATE: March 9, 1983

**Special Notes: This policy/procedure manual does not in any way constitute an employment contract and the City of Marshfield reserves the right to amend this manual at any time subject only to approval by the Common Council.**

A policy adopting and approving regulations for backfilling of trenches or excavations in the streets, alleys or other public ways in the City of Marshfield shall be set in support of Section 8.04 of the City Code as follows:

1. The Engineering Division (Director of Public Works/City Engineer or his representative) or the Building Inspection Division (Building Inspector or his representative) representing the Department of Public Works shall be responsible for all backfill inspections of trenches, or excavations in streets, alleys or other public ways in the City of Marshfield.
2. The original material removed from a trench or excavation shall be used in backfilling, subject to approval by the City Engineer.
3. If the original material is not approved, then a pit-run sand shall be used for backfilling.
4. Backfill material shall be compacted to maximum density by means of mechanical compaction equipment approved by the City Engineer. In general, this shall be of the ram or impact type and not the vibrating plate type.
5. The backfill material shall be compacted in evenly distributed layers. The thickness of the layers shall not exceed the rated capacity of the compaction equipment.

6. Each layer shall be compacted until there is no noticeable further settlement of the material.
7. Backfill around pipes and conduits shall be placed by hand and thoroughly compacted to not less than 6 inches above the pipe or conduit before the trench backfilling is started.
8. If necessary, moisture shall be added to the backfill material to attain maximum compaction.
9. All excess water and mud shall be removed from the trench before backfilling is started.
10. No frozen material, concrete, blacktop, large rocks, vegetable or other organic material or refuse shall be used in the backfill.
11. Tunnels shall be backfilled with a soil-cement or lean sand-gravel cement mixture and compacted.
12. The permittee shall be responsible for all settlement and any damages or maintenance resulting from settlement for a period of one year from the date the trench or excavation was backfilled if in the opinion of the Inspector a continuing maintenance problem exists.