



DEPARTMENT OF PUBLIC UTILITIES

Thomas M. Dolan
Mayor

Byron Jorgenson
Chief Administrative Officer

TO: Contractors, Utility Companies, or other persons installing utilities in public streets

ISSUED BY: Sandy City Public Utilities

DATE: June 1, 2013

SUBJECT: Guidelines for coordination of utility installations with Sandy City Public Utilities Department

Shane E. Pace
Director

1. Utility installations near Sandy City Public Utilities facilities need to provide a minimum of **3 feet clear** horizontal distance between waterlines and drainage lines. The clear horizontal distance is outside to outside distance between the Sandy City Public Utilities facility and the other utilities. Vertical clearance for perpendicular crossings requires that no utilities be located within the space from **18-inches above or 12-inches below** the Sandy City utility. In certain situations these distances may need to be increased. Plans, showing the proposed installation, shall be submitted and approved before any construction activities can begin. Sandy City Public Utilities Engineering Division will review these plans. As much as possible, these reviews will be completed within 48 hours of written request.
2. There may be times when the required clearances cannot be met. In these cases, the Public Utilities Inspector or the Construction Supervisor will take the lead in resolving issues and working out a location that is acceptable to Sandy City Public Utilities Maintenance. The Public Utilities Inspector and Construction Supervisor will work with the Public Utilities Operation Manager and participate with the Public Utilities Engineering Division to help resolve issues with the Utility Companies and others involved. Sandy City Public Works will issue and administer any permit required (i.e.: road-cut permit).
3. Subject to a franchise agreement, or other agreement between the City and the Utility Company, or if no agreement exists, any utility installation that interferes with a City pipeline, or is otherwise required to be moved, will be subject to relocation at the Utility Company's expense. In County and State Roadways, based on the fact that generally the City waterline will predate the installation of other utilities lines, any utility installation that interferes with a City pipeline, or is otherwise required to be moved by the terms of any agreement, will be subject to relocation at the Utility Company's expense.
4. Proposed utilities that cross any easement or Right-Of-Way controlled by Sandy City will require a Road Cut Permit from Sandy City Public Works Department. There is an established process to request this Road Cut Permit (contact Monica Peterson, Public Works Department: 801-568-2960).
5. Any utility that is installed and does not meet these guidelines and is damaged by the maintenance of any Sandy City pipeline, shall be repaired by the Utility Company at **NO COST TO SANDY CITY PUBLIC UTILITIES**.
6. Any Sandy City Utility that is damaged and requires repair shall be repaired according to Sandy City Standards and Specifications.

whether or not the work has been completed and whether or not the right-of-way has been opened to public travel.

(5) Each policy will be endorsed to indemnify, hold harmless and defend the City, and its officers and employees against any claim or loss, damage or expense sustained by any Person occurring by reason of doing any work pursuant to the permit including, but not limited to falling objects or failure to maintain proper barricades and/or lights as required from the time work begins until the work is completed and right-of-way is opened for public use. See Ordinance #97-25, Excavation Permit, for complete insurance requirements.

17) **HOLD HARMLESS AGREEMENT.** The Permittee agrees to save the City, its officers, employees and agents harmless from any and all costs, damages and liabilities which may accrue or be claimed to accrue by reason of any negligence or other wrongful act under the permit.

SPECIAL CONDITIONS

EXCAVATION OPERATIONS

A) BLUE STAKES. Before commencing excavation operations, the Permittee will call Blue Stakes at 801-208-2100 and Sandy City Public Utilities at 801-568-7280.

B) TRAFFIC CONTROL DEVICES. In accord with the standards and guides set forth in the Manual on Uniform Traffic Control Devices (MUTCD), Permittee must have traffic control devices in place prior to any traffic disturbance or excavation. Permittee shall maintain all traffic control devices for the duration of the permit. Non-compliance with the standards and guidelines set forth in the MUTCD on the part of the Permittee shall result in penalties as outlined in the latest published fee schedule and will render the Permittee solely liable for all claims which were proximately caused by Permittee's non-compliance. If a claim, demand or lawsuit against Sandy City, its officers, employees and agents is initiated which arises out of Permittee's non-compliance with the standards and guides set forth in the MUTCD, Permittee will indemnify and hold harmless Sandy City, its officers, employees and agents in accordance with the provisions set forth in Sandy City Ordinance #10-35, "Excavation Permit", Section 13-1-14.

C) COMPACTION EQUIPMENT. The Permittee will not commence backfilling until approved compaction equipment is on site. Approved compaction equipment will be capable of providing specified compaction. Backhoe buckets will not be considered approved compaction equipment. Jetting will be used only if allowed in writing by the City Engineer.

D) CUTTING SIDEWALKS, CURB, ETC. Sidewalk, curb and gutter will be removed to the nearest control joint (or score line). Drive approaches may require a saw cut.

E) CUTTING PAVEMENT. Saw cutting or jack hammering of pavement surfaces is the only acceptable method of cutting when any portion of the pavement is composed of Portland cement concrete. All other pavements will be cut in neat vertical straight lines in such a manner as to allow for specified compaction densities along the face of the cut. Any pavement outside the trench, which is damaged by the trenching operation, will be removed to a neat, straight line. The use of hydra hammers is not allowed.

BACKFILLING OPERATIONS

F) BACKFILL MATERIAL. Refer to Sandy City Standard Specifications, section 02240.

G) BITUMINOUS MATERIAL. Bituminous materials will comply with the requirements of Sandy City Standard Specifications, section 02513.

H) COMPACTION. Refer to Sandy City Standard Specifications, section 02240. Asphalt compaction will meet Sandy City Standard Specifications, section 05000.

I) RESTORATION OF SURFACES IN KIND. Unless otherwise directed, all surfacing, curbs, gutters, sidewalks, driveways, or other hard surfaces that must be removed in the performance of the work will be restored in kind or better and to acceptable line and grade by the Permittee in accordance with the current Sandy City Specifications. All landscaping and irrigation must be restored to original condition.

J) BITUMINOUS COURSE THICKNESS. For surface restorations over granular sub-base, the thickness of the bituminous courses will be equal to the adjacent asphalt concrete thickness plus one (1) inch but not less than three inches (3) and six (6) inches max., unless otherwise specified by the engineer.

K) REPAIR OF DAMAGED IMPROVEMENTS IN THE PUBLIC WAY. The Permittee will repair any damaged improvements such as curbing, sidewalks, landscaping, asphalt surfaces, etc. to the satisfaction of the Engineer.

M) CONCRETE SURFACES. Joints and surfaces will be made to match the original surfaces. The thickness of concrete will be equal to the adjacent concrete, but in no case less than four inches thick. Concrete will meet requirements of Sandy City Standard Specifications.

N) TEMPORARY SURFACES. Temporary bituminous resurfacing three (3) inches thick will be placed and maintained at street cross cuts and street intersections or at locations determined by the Engineer wherever excavation is made through pavement, sidewalk or driveways. At major intersections and other critical locations, a greater thickness may be ordered. Temporary resurfacing will be placed as soon as the condition of the backfill is suitable for permanent resurfacing. During the time the temporary surface is in place, maintain the surfacing in good condition such that it does not disrupt vehicular traffic. *If the temporary surfacing is removed or destroyed, replace the surfacing and clean the surrounding area immediately.* The bituminous mixture used for temporary trench resurfacing may be furnished from stockpiles or directly from the plant mixer, but may not be laid cold.

O) STREET MAINTENANCE. The obligation of the Permittee to inspect and repair work done under the permit will continue for a period of three (3) years. Before commencing the work, the Permittee will identify any damaged public or private facilities in the vicinity of this work. Upon notice from the Engineer, Permittee will immediately repair any injury or damage to the public or private facilities as a result of the work done under the permit. In the event such repairs are not made by Permittee within forty-eight (48) hours after notice, the Engineer is hereby authorized to make such repairs and charge all costs plus 15 percent (15%) for administration to the Permittee. By acceptance of the permit, the Permittee agrees to comply with the above.

ENVIRONMENTAL CONTROL

P) DUST AND DEBRIS. Permittee shall keep dust and debris controlled at the work site at all times. If necessary, wet down dusty areas with water and provide containers for debris. Inspector reserves the right to stop the work or issue a citation if dust or debris is not controlled. Immediate stop work order with penalties may be issued for tracking mud, soil or debris into a public right-of-way or for washing dirt or debris in any storm drain, ditch, channel, pipe or gutter.

Q) NOISE. Keep neighborhood free of noise nuisances. Normal working hours are from 7:00 A.M. to 7:00 P.M. Monday thru Saturday, except as approved by the Mayor's Cabinet.

R) CLEANUP. Remove all equipment, material, barricades and similar items from the right-of-way. Area used for storage of excavated material will be smoothed and returned to their original contour. Vacuum sweeping or hand sweeping is required when Engineer determines cleaning equipment is ineffective.

For further clarification see Ordinance #10-36, Chapter 1, "Excavation Permit", and the latest edition of the Sandy City Standard Specifications & Details for Municipal Construction, section 02575.