



CITY OF OPPORTUNITY

CITY OF OREGON OHIO

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DIRECTOR OF PUBLIC SERVICE

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PAUL ROMAN, P.E.
Director of Public Service
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January 30, 2004

Re: NPDES General Stormwater Permit

Dear Contractor:

As of March 10, 2003, the Ohio Environmental Protection Agency's NPDES (National Pollutant Discharge Elimination System) storm water program requires that operators of construction activities that disturb one acre or greater obtain a NPDES construction storm water permit. In the case of smaller construction activity (i.e., an individual lot in a subdivision); the construction activity is regulated by the City of Oregon's NPDES General Stormwater Permit and Storm Water Management Plan (SWMP).

The City of Oregon's construction requirements for erosion and sediment control for small lot construction sites are as follows:

1. Existing vegetation shall be retained on idle portions of the building lot for as long as construction operations allow. Clearing shall be done only for active working areas.
2. Temporary seed (annual rye, oats, etc.) and/or mulch shall be applied to areas, such as stockpiles, that are bare and not actively being worked. This shall apply to areas that will not be reworked for 14 days or more.
3. Stockpiles excavated from basements shall be situated away from streets, swales, or other waterways, and shall be seeded and/or mulched per Item 2 above.
4. Silt fence shall be provided to control and filter sheet flow runoff from the building lot. It shall not be constructed in channels or areas of concentrated flow. Other sediment controls such as inlet protection and sediment traps shall also be used as needed to control sediment runoff. (See Attached Details)
5. Construction vehicle access to a lot shall be limited to one temporary access drive consisting of gravel or crushed rock as shown on the attached plan.
6. The haul route utilized to the site shall be the safest and shortest route possible. All non-weight restricted roads shall be utilized first prior to utilizing weight restricted roads. Construction equipment exceeding the posted weight limit will require an overweight permit per Oregon Codified Ordinance 339. Delivery trucks supplying building materials will be exempt from needing an overweight permit.



7. Hauling of excavated or fill material shall be in accordance to Oregon Codified Ordinance 339.01-Subsection (b). No permit is required if the excavated or fill material hauled is less than 300 cubic yards total volume per property. If the volume of excavated or fill material is greater than 300 cubic yards, a separate haul permit will be required.
8. Mud tracked onto the street or sediment settled around curb inlet protection shall be removed daily or as needed to prevent it from accumulating. It shall be removed by shoveling and scraping and shall NOT be washed off paved surfaces or into storm drains.

Note: Depositing mud or stones on any street is a violation of the Codified Ordinances of the City of Oregon, Ohio Subsection 905.12. Any person or company violating Subsection 905.12, shall be subject to a fine, up to one thousand dollars (\$1,000), per Codified Ordinance Subsection 905.99. (See attached copy of said ordinances for reference).

If you have any questions or comments regarding the erosion control requirements, please contact Andrea Beard or myself at the City of Oregon Department of Public Service at (419) 698-7047.

Sincerely,

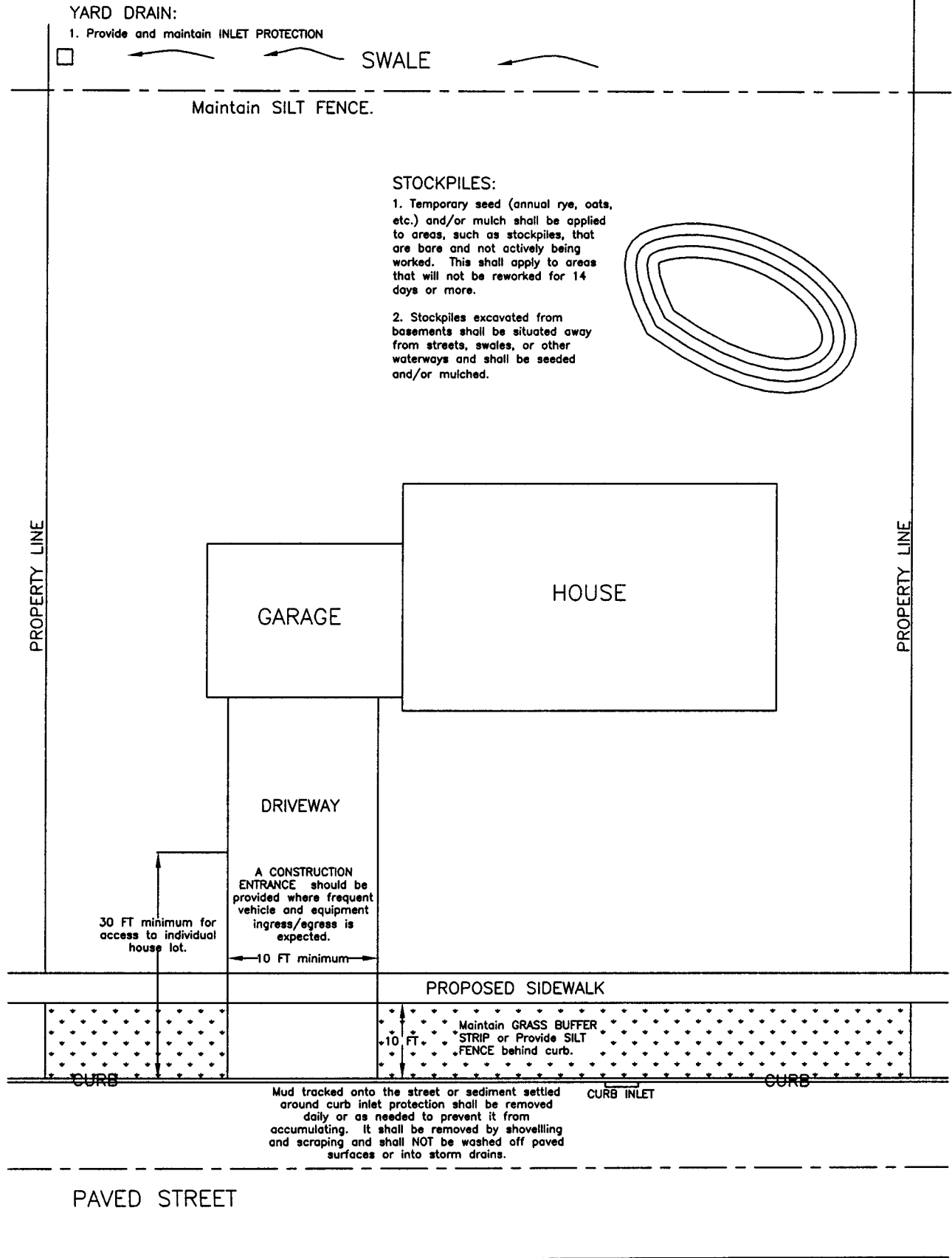


Paul Roman, P.E.
Director of Public Service

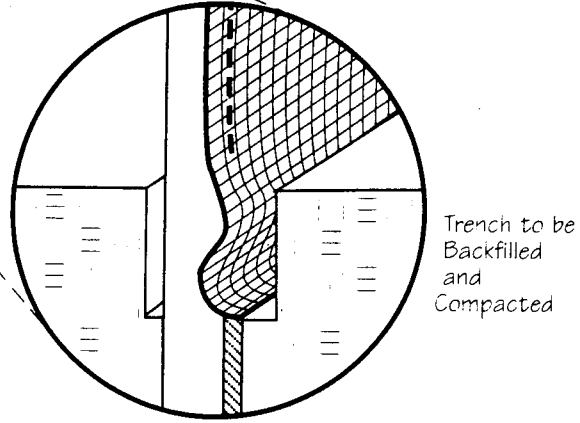
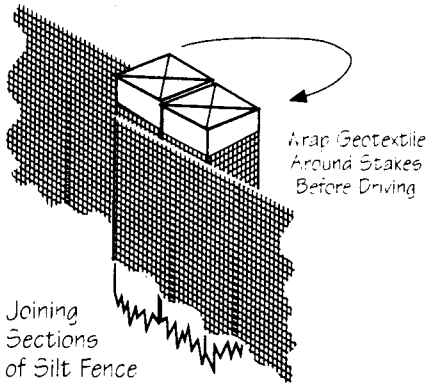
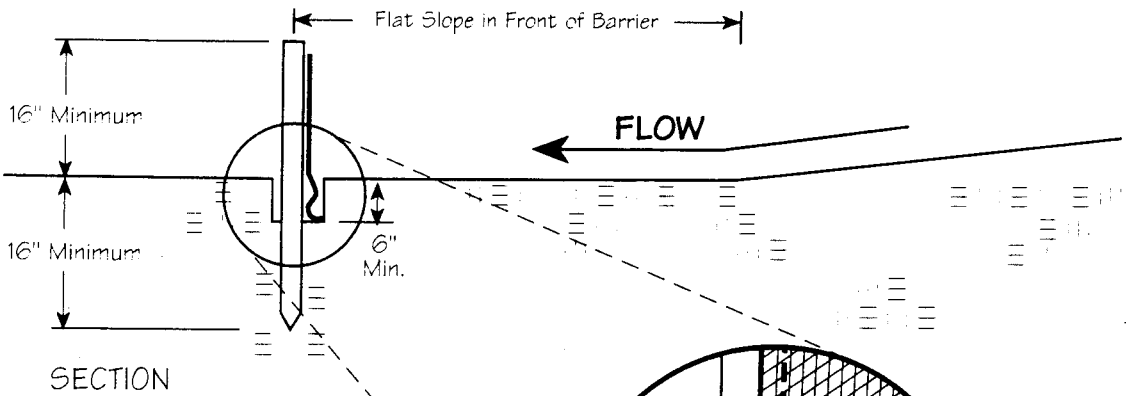
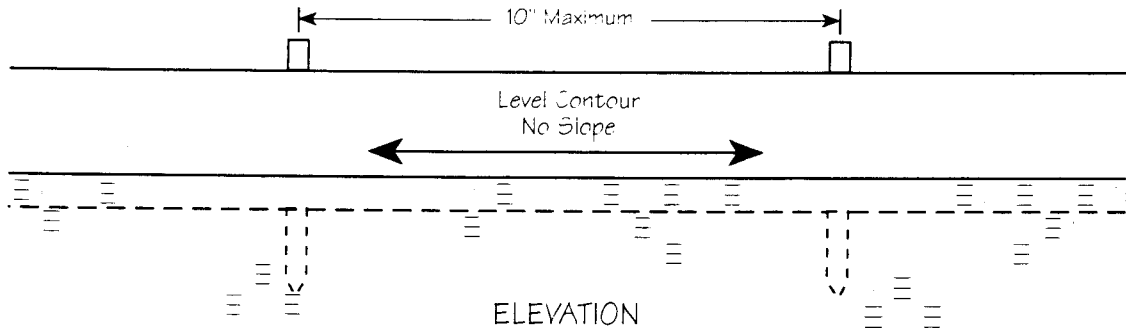
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Enclosure

cc: Marge Brown, Mayor
Kenneth Filipiak, City Administrator
Douglas Young, Commissioner of Building and Zoning
Thomas Gulch, Chief of Police
Stan Kendrioski, Superintendent of Streets
Earl Mayle, Supervisor of Water Distribution
Andrea Beard, Engineer I
File

POLLUTION PREVENTION DURING CONSTRUCTION for SMALL LOT BUILDING SITES



Specifications for Silt Fence



Specifications
for
Silt Fence

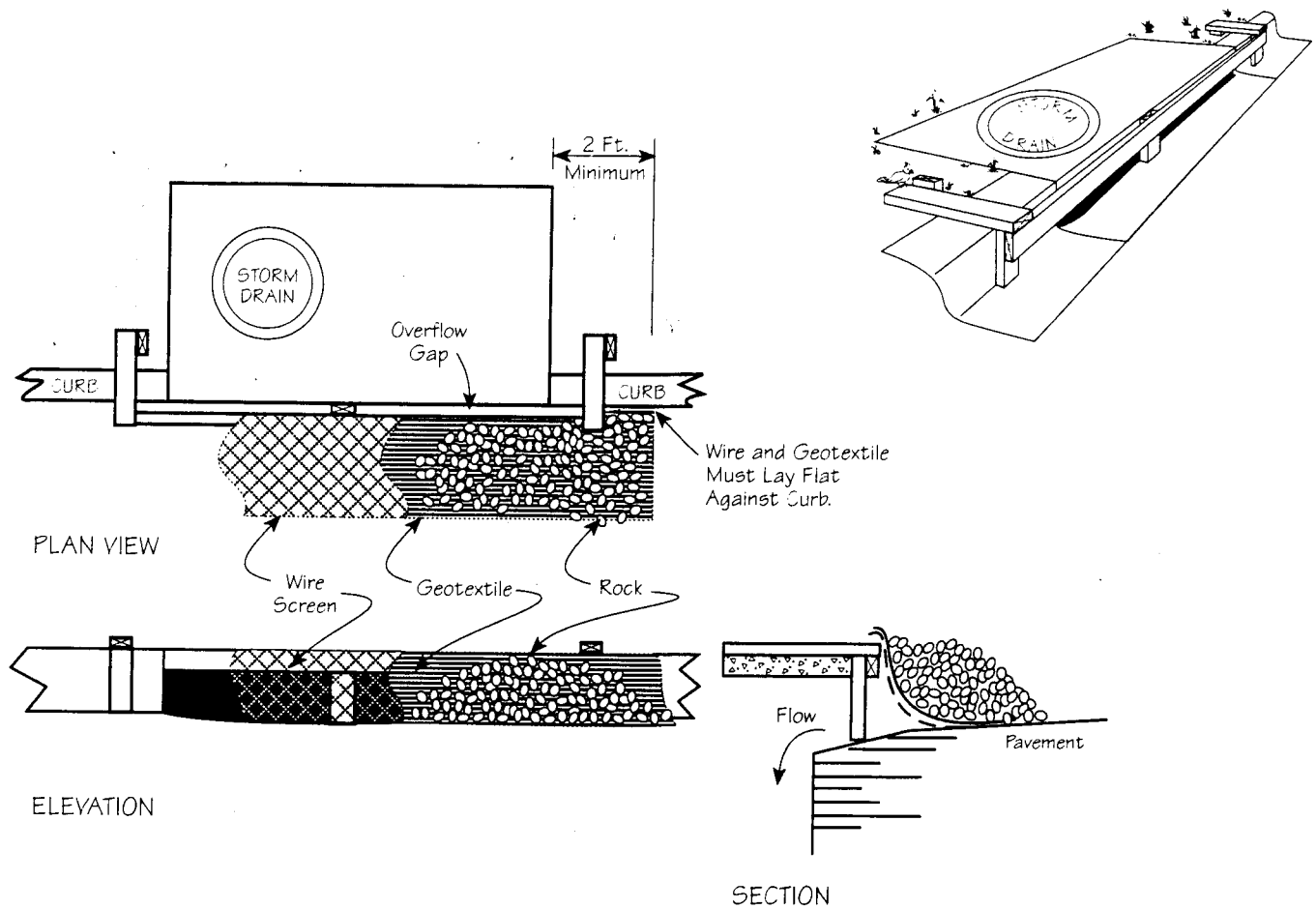
1. Silt fence shall be constructed before upslope land disturbance begins.
2. All silt fence shall be placed as close to the contour as possible so that water will not concentrate at low points in the fence and so that small swales or depressions which may carry small concentrated flows to the silt fence are dissipated along its length.
3. To prevent water ponded by the silt fence from flowing around the ends, each end shall be constructed upslope so that the ends are at a higher elevation.
4. Where possible, silt fence shall be placed on the flattest area available.
5. Where possible, vegetation shall be preserved for 5 ft. (or as much as possible) upslope from the silt fence. If vegetation is removed, it shall be reestablished within 7 days from the installation of the silt fence.
6. The height of the silt fence shall be a minimum of 16 in. above the original ground surface.
7. The silt fence shall be placed in a trench cut a minimum of 6 in. deep. The trench shall be cut with a trencher, cable laying machine, or other suitable device which will ensure an adequately uniform trench depth.
8. The silt fence shall be placed with the stakes on the downslope side of the geotextile and so that 8 in. of cloth are below the ground surface. Excess material shall lay on the bottom of the 6-in.-deep trench. The trench shall be backfilled and compacted.
9. Seams between section of silt fence shall be overlapped with the end stakes of each section wrapped together before driving into the ground.
10. Maintenance--Silt fence shall allow runoff to pass only as diffuse flow through the geotextile. If runoff overtops the silt fence, flows under or around the ends, or in any other way becomes a concentrated flow, one of the following shall be performed, as appropriate: 1) The layout of the silt fence shall be changed, 2) Accumulated sediment shall be removed, or 3) Other practices shall be installed.

Criteria for Silt Fence Materials

1. Fence Posts--The length shall be a minimum of 32 in. long. Wood posts will be 2-by-2-in. hardwood of sound quality. The maximum spacing between posts shall be 10 ft.
2. Silt Fence Fabric shall be ODOT Type C Geotextile Fabric or as described by the chart below:

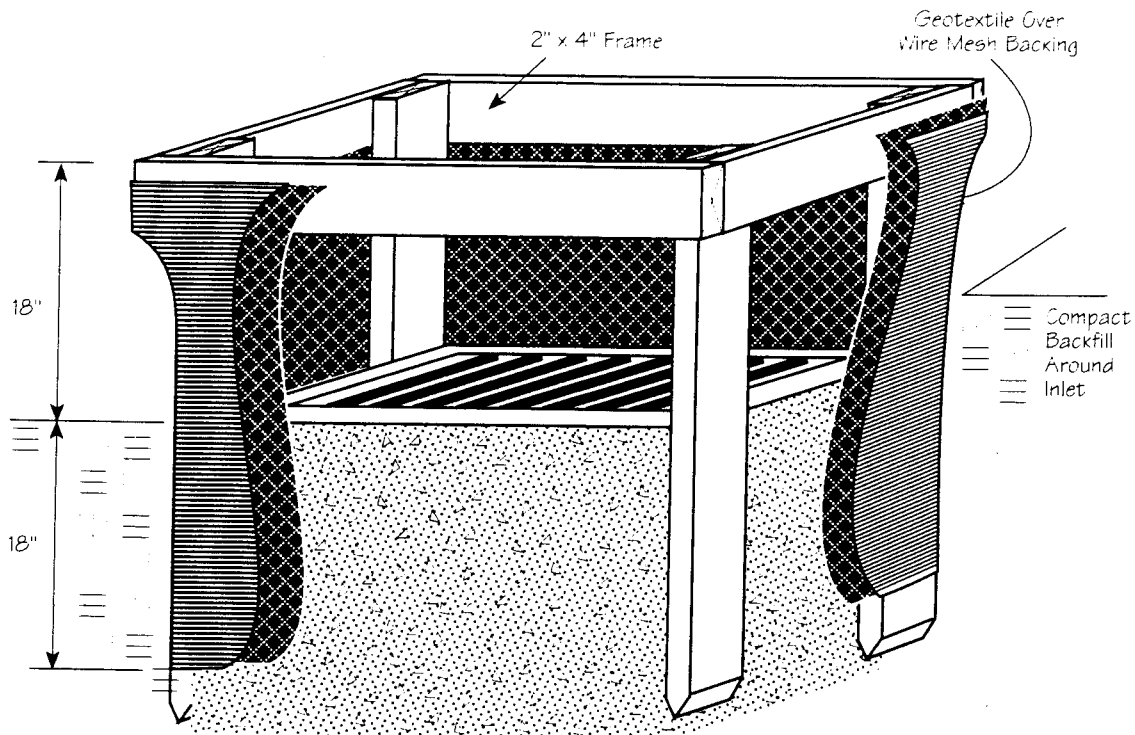
Fabric Properties	
Minimum Tensile Strength	120 lbs.
Maximum Elongation at 60 lbs	50%
Minimum Puncture Strength	50 lbs.
Minimum Tear Strength	40 lbs.
Minimum Burst Strength	200 psi
Apparent Opening Size	≤ 0.84mm
Minimum Permittivity	1X10 ⁻² sec. ⁻¹
Ultraviolet Exposure Strength Retention . . .	70%

Specifications for Curb Inlet Protection



1. Inlet protection shall be constructed either before upslope land disturbance begins or before the storm drain becomes operational.
2. The wooden frame is to be constructed of 2-by-4-in. construction-grade lumber. The end spacers shall be a minimum of 1 ft. beyond both ends of the throat opening. The anchors shall be nailed to 2-by-4-in. stakes driven on the opposite side of the curb.
3. The wire mesh shall be of sufficient strength to support fabric and stone. It shall be a continuous piece with a minimum width of 30 in. and 4 ft. longer than the throat length of the inlet, 2 ft. on each side.
4. Geotextile cloth shall have an equivalent opening size (EOS) of 20-40 sieve and be resistant to sunlight. It shall be at least the same size as the wire mesh.
5. The wire mesh and geotextile cloth shall be formed to the concrete gutter and against the face of the curb on both sides of the inlet and securely fastened to the 2-by-4-in. frame.
6. Two-inch stone shall be placed over the wire mesh and geotextile in such a manner as to prevent water from entering the inlet under or around the geotextile cloth.

Specifications
for
Inlet Protection in Swales, Ditch Lines or Yard Inlets



1. Inlet protection shall be constructed either before upslope land disturbance begins or before the storm drain becomes operational.
2. The earth around the inlet shall be excavated completely to a depth at least 18 in.
3. The wooden frame shall be constructed of 2-by-4-in. construction-grade lumber. The 2-by-4-in. posts shall be driven 1 ft. into the ground at four corners of the inlet and the top portion of 2-by-4-in. frame assembled using the overlap joint shown. The top of the frame shall be at least 6 in. below adjacent roads if ponded water would pose a safety hazard to traffic.
4. Wire mesh shall be of sufficient strength to support fabric with water fully impounded against it. It shall be stretched tightly around the frame and fastened securely to the frame.
5. Geotextile shall have an equivalent opening size of 20-40 sieve and be resistant to sunlight. It shall be stretched tightly around the frame and fastened securely. It shall extend from the top of the frame to 18 in. below the inlet notch elevation. The geotextile shall overlap across one side of the inlet so the ends of the cloth are not fastened to the same post.
6. Backfill shall be placed around the inlet in compacted 6-in. layers until the earth is even with notch elevation on ends and top elevation on sides.
7. A compacted earth dike or a check dam shall be constructed in the ditch line below the inlet if the inlet is not in a depression and if runoff bypassing the inlet will not flow to a settling pond. The top of earth dikes shall be at least 6 in. higher than the top of the frame.

provided for, and the neglect or refusal of any such person, partnership or corporation, or the agent of any such person, partnership or corporation to so exhibit such written permit on demand being made therefor, shall subject such person, partnership or corporation and such agent thereof to the penalties provided for in this chapter. (Ord. 14-1957. Passed 12-9-57.)

905.09 REFILLING.

No excavation made in streets, alleys or public places shall remain open for a longer period of time than is absolutely necessary to do the work prescribed in the permit granted for such excavating and the person, partnership or corporation making such excavation shall refill the same without delay, with such material as the Director of Public Service directs and to his satisfaction and shall completely fill such excavation to the surface of the pavement and shall put such excavation in a condition safe for public travel upon such street or public way. (Ord. 14-1957. Passed 12-9-57.)

905.10 RESTORATION OF PAVEMENT.

The excavation and restoration of pavements or other surfaces on public property shall be performed under the direction and to the satisfaction of the Director of Public Service. The Director is hereby authorized to establish rules, regulations and specifications for excavations and restorations of pavements and surfaces.

Upon failure or refusal of the permittee to satisfactorily fill the excavation, restore the surface and remove all excess materials within the time specified in the permit or where not specified therein, within a reasonable time after commencement of the work, the City may proceed without notice to make such fill and restoration and the deposit shall be deemed forfeited. Thereupon such deposit shall be paid into the Street Repair Fund of the City, except such part to be paid to the permittee as the difference between the deposit and the charges of the City for restoration services performed by it. (Ord. 14-1957. Passed 12-9-57.)

905.11 BARRICADES AND WARNING LIGHTS.

Any person engaged in or employing others in excavating any street, sidewalk, alley or other public way, shall have such excavation fully barricaded at all times and during the night shall cause the area in which the excavation is located to be properly illuminated by red lamps or flares. (Ord. 14-1957. Passed 12-9-57.)

MISCELLANEOUS

905.12 THROWING RUBBISH INTO STREETS; HAULING RUBBISH THROUGH STREETS.

No person, agent or employee of any person shall throw, place or deposit any rubbish, dirt, paper, filth, sweepings, ashes, shavings, wood, stones or refuse matter of any kind whatever on any street, alley or public ground; or haul or transport, over or through any street, alley or public ground, any gravel, stone, sand, dirt, garbage, rubbish or other loose material or substance so as to permit the same to be dropped, sift through or in any other manner become strewn or deposited on any of the streets or alleys. (Ord. 14-1957. Passed 12-9-57.)

905.13 REMOVAL OF EARTH ETC. FROM STREET.

No person shall dig, remove or carry away, or cause to be dug, removed or carried away, any stone, earth, sand or gravel from any street, alley or public ground, or remove, injure, deface or destroy the pavement of any street, alley or public ground for any purpose whatever, except under the supervision of the Director of Public Service. (Ord. 14-1957. Passed 12-9-57.)

905.14 UTILITIES RUNNING PARALLEL WITH STREETS AND ALLEYS; FEE.

No person, partnership or corporation or representative thereof shall lay, install or construct any water line, sewer line, gas line, power line, telephone line or any other utility line laterally down a street, alley or public way without first receiving permission from Council.

Plans, specifications and profiles for the installation or construction of utilities shall be filed with the Director of Public Service for approval before construction begins, and the same shall be constructed in strict accordance with such approval. The Director is authorized to charge and collect, at the time such approval is granted, a fee for inspection of such construction of not more than twenty-five dollars (\$25.00) unless a greater or lesser amount is fixed by Council at the time permission is granted to make the installation. (Ord. 14-1957. Passed 12-9-57.)

905.15 VACATION: PETITION FILING FEE.

There is hereby established a twenty-five dollar (\$25.00) filing fee which shall be paid upon the filing of a petition for vacation of a street, alley or any other public way, to defray the cost of processing the petition.

(Ord. 46-1971. Passed 4-12-71.)

905.16 RECEPTACLES FOR NEWSPAPERS ETC.

All boxes, containers or receptacles for the deposit of newspapers or other matter located, erected, used or maintained within the limits of dedicated streets, highways and public rights of way shall be located, erected or maintained on the same side of such street, highway or public right of way as the boxes, containers or receptacles for deposit of United States Mail and as near thereto as is practicable and consistent with United States Postal Regulations. (Ord. 110-1960. Passed 10-10-60.)

905.17 HISTORICAL MARKERS.

Council hereby authorizes historical markers to be placed within the public right of way when such request is made to the Director of Public Service. It shall be the responsibility of the Director to approve the location of all such markers within the public right of way. (Res. 181-1967. Passed 12-27-67.)

905.18 STREET LIGHTING IN COMMERCIAL AREAS.

When it is determined by Council that street lighting is necessary in a commercial area, or when it is requested by property owners in such areas, it will be the policy of Council to order lighting installed after giving notice according to law to all property owners affected. (Res. 133-1964. Passed 9-28-64.)

905.99 PENALTY.

(a) Whoever violates any provision of this chapter or any regulation issued pursuant thereto, where no other penalty is provided, shall be fined not more than one thousand dollars (\$1,000). (Ord. 14-1957. Passed 12-9-57.)

(b) Any person, firm or corporation locating, erecting, using or maintaining a box, container or receptacle for deposit of newspapers or other matter located contrary to the provisions of Section 905.16 shall be fined not more than one hundred dollars (\$100.00). Each week that violation of the provisions of this section continues shall constitute a separate offense.