

Office Use Only
Engineering Project # (If Applicable)



Office Use Only
Permit # _____
Clerk: _____

RIGHT-OF-WAY PERMIT APPLICATION

PROJECT GENERAL INFORMATION

CONTACT INFORMATION

Contractor:	Property Owner or Utility Name:
License	Representative:
Address:	Address:
City, State, Zip :	City, State, Zip :
Phone Number:	Phone Number:
Email:	Email:

PROJECT DESCRIPTION

Check all items that apply to the proposed work within the right-of way
 Construction plans showing all proposed work in the right-of-way must be attached to the permit application for reference. All plans must be signed and sealed by a State of Florida P.E. For information concerning submittal requirements please refer to the attachments.

Utilities

- Storm Sewer / Sum Pump Service
- Sanitary Sewer / Service
- Water Main / Service
- Irrigation / Sprinkler System

Pavement, Driveways, Sidewalk, Curbs

- Access Drive & Aprons
- Street Pavement
- Street Patching
- Sidewalks / Bike path
- Curb & Gutter

Expected Start Date

Expected Completion Date

Earthwork

- Excavation and/or fill
- Grading / Surface Drainage
- Landscaping / Berming / Plantings

Trees

- Tree Planting
- Tree Removal
- Tree Trimming /Protection

Electrical / Miscellaneous

- Street / Area Lighting
- Traffic Control / Signage/ Markings
- Electrical Service / Cable / Telephone
- Other (please describe)

INSURANCE

Have all contractors working within the ROW supplied the required insurance documents and holding the Town of Medley hold-harmless. YES NO

RIGHT-OF-WAY PERMIT FEE

Has the right-of-way permit fee (no-refundable) - \$ _____ per application been provided?

SIGNATURES

I hereby certify that I have read and agree to all of the terms and conditions contained within this right-of-way permit, contractor's check list. Utilities Departments - Rights-of-Way, which is incorporated herein by reference. I agree to complete the project in accordance with the approved plans, Town of Medley Regulations Standards, Codes, laws, regulations and generally accepted engineering and construction practices. In the event that work within the right-of-way is not completed accordingly, I agree to reimburse the Town for any damage or additional costs incurred by the Town of Medley from the funds on deposit first and other funds as necessary. The Town of Medley reserves the right to seek reimbursement for any damage or additional costs from the contractor, utility and/or property owner at the Town's discretion.

<p>_____ Certified Contractor Signature</p> <p style="text-align: right;">_____ Date</p> <p>_____ Printed Name</p>	<p>_____ Utilities Department Signature</p> <p style="text-align: right;">_____ Date</p> <p>_____ Printed Name</p> <p style="text-align: right;">TOWN OF MEDLEY USE</p>
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RIGHT-OF-WAY PERMIT APPLICATION

CUSTOMER INFORMATION							
Project Owner:		Mailing Address (Include Zip Code):					
Contact Name:		Contact Phone #:		Business Phone #:			
Email (PRINT):							
The undersigned does hereby certify that he/she is the duly authorized Agent of the Applicant for the purpose of binding the Applicant to the terms and conditions of this application and the information contained herein and state that all information is correct. I also agree to be bound by provisions of the Ordinances and regulations of the Town of Medley, including but not limited to Chapter 50, Town of Medley Code of Ordinances, and any other governing standards as well as any special conditions, restrictions and regulations as may be imposed by the Department of Utilities and Stormwater Services Director or his/her designee.							
Permittee Signature:				Date:			
FOR THE TOWN OF MEDLEY OFFICE USE ONLY							
Fee Code	Quantity	Fee Code	Quantity	Fee Code	Quantity	Fee Code	Quantity
<input type="checkbox"/> PW01	_____	<input type="checkbox"/> PW12	_____	<input type="checkbox"/> PW23	_____	<input type="checkbox"/> PW34	_____
<input type="checkbox"/> PW02	_____	<input type="checkbox"/> PW13	_____	<input type="checkbox"/> PW24	_____	<input type="checkbox"/> PW35	_____
<input type="checkbox"/> PW03	_____	<input type="checkbox"/> PW14	_____	<input type="checkbox"/> PW25	_____	<input type="checkbox"/> PW36	_____
<input type="checkbox"/> PW04	_____	<input type="checkbox"/> PW15	_____	<input type="checkbox"/> PW26	_____	<input type="checkbox"/> PW37	_____
<input type="checkbox"/> PW05	_____	<input type="checkbox"/> PW16	_____	<input type="checkbox"/> PW27	_____	<input type="checkbox"/> PW38	_____
<input type="checkbox"/> PW06	_____	<input type="checkbox"/> PW17	_____	<input type="checkbox"/> PW28	_____	<input type="checkbox"/> PW39	_____
<input type="checkbox"/> PW07	_____	<input type="checkbox"/> PW18	_____	<input type="checkbox"/> PW29	_____	<input type="checkbox"/> PW40	_____
<input type="checkbox"/> PW08	_____	<input type="checkbox"/> PW19	_____	<input type="checkbox"/> PW30	_____	<input type="checkbox"/> PW41	_____
<input type="checkbox"/> PW09	_____	<input type="checkbox"/> PW20	_____	<input type="checkbox"/> PW31	_____		
<input type="checkbox"/> PW10	_____	<input type="checkbox"/> PW21	_____	<input type="checkbox"/> PW32	_____		
<input type="checkbox"/> PW11	_____	<input type="checkbox"/> PW22	_____	<input type="checkbox"/> PW33	_____		
Total Fee						_____	
Fee Pd \$ _____	Date Pd ____/____/____	<input type="checkbox"/> Credit <input type="checkbox"/> Check <input type="checkbox"/> Cash		AMT. OF BOND	BOND EXP DATE	Receipt # _____	
Approved Dates: _____ to _____		Continuous Dates: <input type="checkbox"/> Yes <input type="checkbox"/> No					
Comments:							
Approved <input type="checkbox"/>		Utilities Department Signature: _____				Date: _____	
Disapproved <input type="checkbox"/>							
The applicant is hereby authorized to make an opening in or under the above named street at the specified location; provided all work is performed in accordance with the applicant's plans, Town of Medley Ordinances, specifications, and regulations governing street openings, and the above special Conditions or such special conditions as may be imposed during the performance of the authorized work. The applicant is hereby authorized to close said portion of public street right-of-way in accordance with approved maintenance of traffic plan.							
Permit No.:				Location:			
Public Works No.:				Closeout Date:		Closeout Stamp	



RIGHT-OF-WAY PERMIT APPLICATION

PLEASE READ THESE IMPORTANT CONDITIONS TO THE PERMIT

- 1 Work may begin only after receiving a validated TOM permit. Application alone, does not grant the right to begin construction.
- 2 Hours of construction are from 7:00 a. m. to 4:00 p. m., Monday-Friday. No work shall be performed on Saturdays and Sundays or holidays without prior authorization from the Town, except for emergencies
- 3 No inspections shall be conducted on weekends or holidays. If the Contractor deemed it necessary to work on weekends and holidays, a Town inspector must be present at the jobsite. The Contractor must contact the Town at least 72 hours in advance, to request for an inspector to come to work. The salary for an overtime pay incurred shall be reimbursed by the contractor to the Town.
- 4 If road closure is required, then construction shall be from 9:00 a. m.-3:30 p. m. only. Notify TOM Building Dept (305) 887-9541 at least 48 hours in advance. Lane(s) must be clear of equipment & materials before and after these hours. No exceptions unless approved by Town (TOM) or in the event of emergencies. Contact TOM-PD at (305)883-2047 to request for traffic officer assistance.
- 5 Pre-construction meeting with TOM Chief Inspector is required by the Town. Call 305-887-9541, Building Dept at least 48 hours in advance to schedule prior to start of construction. Before construction & after photos requirements, inspection & video taping of the job site will be discussed at the meeting.
- 6 Notification letters must be delivered to residents and local businesses, as required by the TOM. Submit a copy of the notice to the Town.
- 7 Inspection is required before proceeding to the next stage of installation or construction. Excavation, sub-base, lime rock base, form, pavement installation and final inspection (including form removal, sod and site cleanup) are required. A progress inspection may be required by the Town at the end of every week for site safety maintenance and erosion and sediment control of job sites that are in progress.
- 8 Notify Sunshine at 1-800-432-4770 or 811 forty-eight (48) hours prior to starting construction. In addition, as prescribed in the underground facility damage prevention and safety act (Sunshine 811): **the excavation protection of an underground facility requires "hand digging, pot holing, soft digging, vacuum excavation methods, or other similar procedures to identify underground facilities." As per FL Chapter 556.105, (5)(c).**
- 9 All revisions to the plan must be submitted to the Town for review and approval.
- 10 To request a Right-of-Way inspection, call 305-887-9541 Building Department one day in advance. All Inspections must be approved, including the final inspection upon completion of the project in order to close out the permit and for the Town to release the bond.
- 11 Failure to obtain an approved inspection within 180 calendar days will cause this permit to expire and additional fees levied.
- 12 The Town may require a certified Density or Compaction tests for all pavement subbase and base and it must be submitted prior to final pavement installation. A certified copy of the proctor must also be submitted to the Town prior to the tests.
- 13 All construction areas must be kept clean, neat and sanitary and be restored to original condition or better. Right-of-ways and neighboring properties shall be kept free from dirt and debris and must be protected from damage by equipment or vehicles.
- 14 Equipment and materials shall be stored in designated storage area at the expense of the permittee and shall not be stored on public right-of-ways.
- 15 Do not discharge water into right-of-ways or storm drains without prior approval or permits from DERM & Town of Medley.
- 16 Protect all stormwater catch basins from construction debris, sediments and potential pollutants by applying the Town's approved best management practices methods. FDEP CGP/NOI permits are required for projects disturbing more than 1 acre in land area. Visit www.dep.state.fl.us/water/stormwater/npdes website for additional information.
- 17 Prevent creation of any obstructions or conditions that may become dangerous to the public.
- 18 Backfill and temporary asphalt patches must be installed adequately at the end of every workday unless otherwise authorized by the Town.
- 19 Provide where necessary, Maintenance of Traffic (MOT), adequate signs, barricades, warning lights, flagman and/or necessary precautions for prevention of accidents or injuries to person(s) or property resulting from this exercise of the privileges granted under this authorization. M.O.T.'s must be approved by the TOM Police.
- 20 Repair promptly any and all damages to public or private property caused by this exercise of the privileges granted under this authorization.
- 21 Restoration shall be at least equal to the condition existing at the time of the damage or injury or as directed and approved by the Town.
- 22 Permittee or contractor shall hold the Town of Medley and the Town's employee(s) harmless from any damages resulting from his exercise of the privileges granted under this authorization.
- 23 This permit is issued pursuant to the Town of Medley Right-of-Way Management. ordinance C-374. By issuance of this permit, the Town does not agree to any language found on the drawings, except as may be required by that ordinance. This permit does not constitute approval or compliance with the rules, regulations, or requirements of any other jurisdiction, which may relate to the above project.
- 24 If road closure or sidewalk closure is required, an approved M.O.T. must be submitted along with the permit application.
- 25 All work must be designed and constructed in accordance with the most current revision of the Miami-Dade County Public Works Manual, Parts 1 & 2, unless otherwise specified or directed by the Town to conform to the Town of Medley Standard Specifications or FDOT Standard Specifications. All work requires a permit unless specifically exempted by the Town.
- 26 **A permit becomes null and void if work or construction is not commenced within 180 days or is suspended or expires because of lack of progress or abandonment. If a new permit is not obtained within 15 days from the date the initial permit becomes null and void, the Town of Medley is authorized to restore the public right of way using the Contractor's performance bond applied for the project. The Contractor or permittee shall be responsible to keep track of the expiration date and status of their permit.**
- 27 Applicant must comply with approved M.O.T.'s and will hire Town of Medley off duty police officers, as necessary, to assist with pedestrian & vehicular traffic control concerns & public safety. At no time will emergency access be obstructed or access to local businesses, parking lots or garages. All Town of Medley permit(s) are solely for the authorization of the requested road or sidewalk closure. Town of Medley police officers hired in an extra-duty capacity are to ensure the safety of vehicular and pedestrian traffic during this closure. Any work performed as a result of the closure must abide by all Town of Medley ordinances and/or have the approval/permits of the respective town department that regulates the work being done. A copy of this permit & approved M.O.T.'s must remain on site at all times for inspections. Failure to meet all conditions set on this permit will automatically void this permit. This permit does not authorize any infringement of federal, state, or local laws or regulations and is solely for the purposes stipulated.
- 28 I hereby certify that I have read and examined this application and know the same to be true and correct. All provisions of laws and ordinances governing this type of work will be complied with whether specified herein or not. The granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating construction or the performances of construction.

Signature of Qualifier / Contractor

Date



RIGHT-OF-WAY PERMIT APPLICATION

PROJECT ADDRESS:

PROCESS NO.

AFFIDAVIT - PLEASE READ CAREFULLY

QUALIFIER'S AFFIDAVIT: Application is hereby made to obtain a Right-of-Way permit to do work and installation as indicated on this form. I certify that all work will be performed to meet the standards of all laws regarding construction in the Town of Medley. I understand that separate permits may be required for ELECTRICAL, STRUCTURAL, or as noted. There may be additional permits required from other governmental agencies. A Right-of-Way permit application is subject to denial and a validated permit is subject to revocation or modification based upon applicable deeds, covenants, declarations, easements, and any other legal restriction. By issuing a permit, the Town of Medley makes no representation as to the existence or validity of any property restriction.

NOTARIZED SIGNATURE OF QUALIFIER OR OWNER

PRINT NAME

OWNER'S OR QUALIFIERS NAME

NOTARY'S SIGNATURE

State of Florida, County of Miami-Dade
Sworn and subscribe to me this
_____ day of
_____ Year 20

NOTARY'S STAMP

Personally known / Driver's License / ID No.: _____



RIGHT-OF-WAY PERMIT APPLICATION

PROJECT ADDRESS: _____

PROCESS No. _____

CONTRACTOR'S CHECKLIST

This list supplements and highlights some of the right-of-way requirements set are applicable to this application and to any and all persons and parties performing work authorized by this permit. The contractor is required to review each item on the list below and initial each box to indicate his/ her understanding of the information as well as to commit to notifying the owner of this information.

INITIAL BOX

	Insurance — The contractor or homeowner performing work within the Town's right-of-way is required provide insurance and hold the Town hold-harmless.
	Required Contact - Pre-Construction Meeting; prior to commence work (48 hours) in the right-of-way, a meeting is required with the Utilities Department. Please contact Osmanny Larazabal at (305) 887-9541 or Jorge Soto at (305) 887-9541. NOTE: during the meeting, temporary and permanent site restoration will be discussed along with a signed agreement between the Town, Contractors and Sub-Contractors.
	Working Hours — Work shall be limited to Monday through Friday 7:00 A.M. to 3:30 P.M., unless duly authorized by the Town's representative. Additionally, no work shall be performed on any Saturday or Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving and Christmas Day.
	Street Closures — No street or sidewalk closures shall occur without the written consent of the Utilities Department, Public Works Department and The Town of Medley Police Department.
	Drainage and Erosion Control - All drainage structures within the vicinity of the project shall be protected with an approved filter basket as determined by Utility Department, Public Works. Existing drainage patterns shall be maintained by Contractor. Erosion control shall be latest NPDE's Rules and approved plans as determined by Utilities Department or the Public Works Department.
	Storage -Any on-site excavation material or materials used in construction shall be stored only in locations in areas or locations approved by the utilities Department. If during the working day it is necessary to dump or handle material in the right-of-way area, the Utilities Department must be notified in advance of this process and must approve the locations of the street area. At the end of each working day all materials must be removed and the street cleaned of any material debris left from the day's work.
	Equipment - No cleated equipment will be allowed on the street pavement.
	Traffic Control - Traffic Control shall be in accordance with applicable sections of the National Manual on Uniform Traffic Control Devices for Streets and Highways (current edition)".
	Driveway Materials - driveway materials permitted within Town's right-of-way are reinforced concrete and hot-mix asphalt. Brick, stamped or colored concrete, will be discussed or comment during plans review by the Utilities & Stormwater Department and Public Works Dept.
	Irrigation Systems —The property owner and contractor working in the right-of-way bears sole responsibility for all aspects of an irrigation systems constructed in the public right-of-way. The property owner is advised by the contractor, to provide locates of all irrigation system equipment within the right-ofway vicinity. The Town takes no responsibility for locating, protecting or damaging the irrigation system by a Contractor.
	Contractors must call Sunshine One-Call for underground locates prior to working in the Town rightof-way. The Locate Ticket with all utilities responses must be on the job site. Failure in not having a Locate Ticket on-site, the Town may stop the job until the Locate Ticket is provided.
	Roll-off Boxes or Dumpsters — Roll-off boxes or dumpsters required Contractor shall be delivered and stored on-site and off the right-of-way. When it is not possible to store boxes on-site, boxes can be stored in the street right-of-way only with the written approval of Utilities Department. Lighted barricades are required for roll-off boxes delivered and stored in the street.
	Safety - The Contractor shall be responsible for all on-site safety and drainage protection including safety fence, filter fabric, catch basin baskets and silt fence installation as directed by the Town. The Contractor is responsible for maintaining temporary accessibility during construction for roadways and/or sidewalks. Florida Department of Transportation - Work performed on a State road will require an FDOT R.O.W. permit.
	Trees - All trees within the Town right-of-way must be protected from damage during construction. The Contractor may be fined for any damage occurring to trees during the course of construction.



RIGHT-OF-WAY PERMIT APPLICATION

	<p>Stop Work Order - If for any reason the above conditions, Town Code, other applicable standards and/or the approved drawings are not met to the satisfaction of the Town, the Contractor will be notified and the work site will be shut down. Any further action by the Contractor not complying with these conditions may result in fines to the Contractor and/or escorted out by the Town - Police Department.</p>
	<p>Water Mains and Valves the Utilites Department shall operate and exercise all public valves, including service and meter boxes. A stop work order will be issued to any contractor turning any public valves.</p>
	<p>Water Meter When required, a new water meter can be obtained by paying the required fees at the Utility and Stormwater Department at the time of the Building Permit application. The water meter will be delivered to the site upon verification of payment, approval of plans and right-of-way permit</p>
	<p>Hydrant Meter — A hydrant meter must be obtained from Utilties Department if a Town hydrant is to be used for water supply.</p>
	<p>Cleaning and Dust Control - Work site shall be maintianed in a safe and clean manner and dust shall be controlled in accordance to the Town's ordinance.</p>
<p>I have read and understand this Right-of-Way Permit Application.</p>	
<p>_____</p> <p>Name of Contractor and Type of Contractors license (must be valid) _____</p> <p style="text-align: right;">Date</p>	



RIGHT-OF-WAY PERMIT APPLICATION

PROJECT ADDRESS: _____

PROCESS No.: _____

**Right-of-Way (ROW) — Permit
Rules / Regulations**

The responsible person signing ROW permit application is a Florida Certified General Contractor (CGC) or Miami-Dade County Construction Contractor or Trade Contractors. The Field Foreman for day-to-day property site work must adhere to below requirements of the ROW permit. Onsite meeting is/may required.

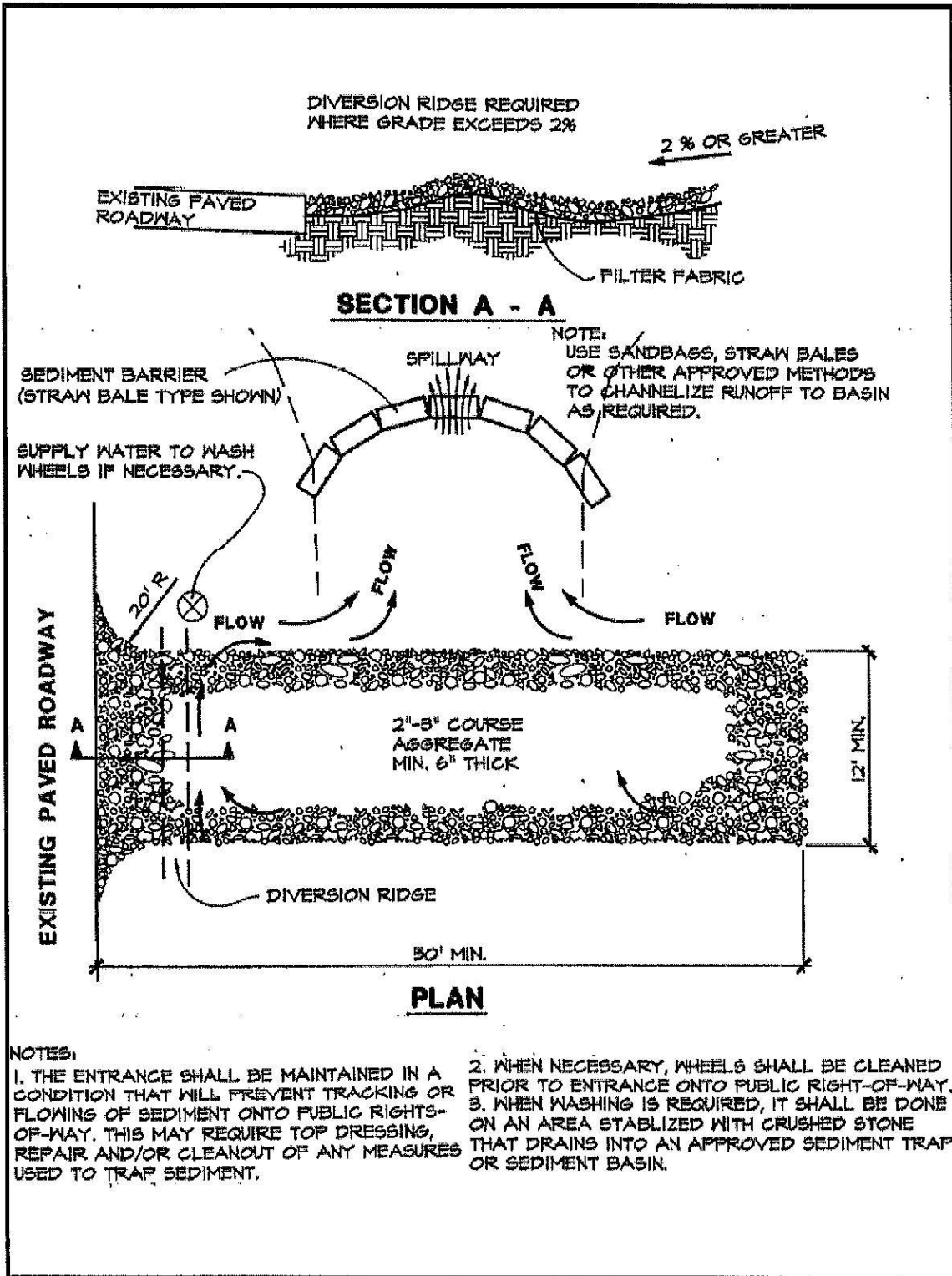
- 1 SILT FENCE be installed prior to any construction work inside the property.
GRAVEL DRIVEWAYS; from 15 feet inside the property to the curb and gutter. Gravel size minimum one (1) inch clean with no fines.
- 2 no fines.
- 3 INLET / DRAINAGE CATCH BASINS PROTECTION: from the property limits no matter how far catch basins are located, the basins must be protected. NO DIRTY OR MILKY water allowed to flow out of the property.
- 4 NOTE: Contractors including Sub-contractors must follow the National Pollutant Discharge Elimination (NPDES). If the project site is not complying with NPDES, first violation will be a Warning with immediate corrective action. Second violation will be a STOP Work Order for the entire construction site including a \$250.00 citation to the property owner, Once paid, STOP Order will be remove including corrective action meeting NPDES.
- 5 EXISTING CURB & GUTTER: Before construction pictures are required and provided with the sign Permit. After construction and/or project pictures at the end of the project are required. The picture may reflect to replace ALL curb / gutter from ROW line to property line.
- 6 STREET CLOSURE; NOT allowed unless major reasons and, must contact the Town representative 24 hours in advance for discussion.
- 7 CRANES OR BOOM TRUCKS: NOT allowed in the street or parking outside unless major reasons / request and, must contact Town representative 48 hours in advance for discussion and approval. It may require Building Official approval as well as provide with the Right-of-Way application.
- 8 HEAVY EQUIPMENT; dump trucks and concrete trucks can park in front of property for work purposes with NO impact to vehicle travel in the roadway. ANY special request must contact Town representative 24 hours in advance for discussion approval.
- 9 EXCAVATION; Before construction pictures are required and provided with the sign Permit. Any excavation or trenching work in front of property and/or in the Rightof-Way, Contractor and Sub-contractors must call Underground Locates. The RESPONSE TICKET for ALL private utilities including the Town prior to excavation MUST BE reviewed by the Field Foreman. There will be times the Town representative may request to see RESPONSES prior to Contractors starting the work in the Right-of-Way. After construction and/or project pictures at the end of the project are required.
- 10 General Contractor and Field Foreman are fully responsible to Notify all sub-contractors working in the property on the Town Right-of-Way permit — Rules / Regulations.
- 11 The TOM may require as-built drawings from the contractor at the end of ROW construction at the discretion of the Town or its representative. All as-built drawings at the end of the construction activities must be signed and sealed by a Florida Licensed professional engineer.

The above is/are acknowledge by the General Contractor by signing the Right-of-Way permit

General Contractor

Date

BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL



Temporary Gravel Construction Entrance

Source: Erosion Draw

Attachment B: Storm Drain Inlet Protection

Storm Drain Inlet Protection

Definition:

A sediment filter or an excavated impounding area around a storm drain drop inlet or curb inlet.

Purpose:

The purpose of a storm drain inlet is to prevent sediment from entering stormwater conveyance systems prior to permanent stabilization of the disturbed area.

Condition Where Practice Applies:

Practice applies where storm drain inlets are to be made operational before permanent stabilization of the disturbed drainage area. Different types of structures are applicable to different conditions (See Figures 2 through 12).

Planning Considerations:

Storm sewers that are made operational before their drainage area is stabilized can convey large amounts of sediment to receiving waters. In the case of extreme sediment loading, the storm sewer itself may clog and lose most of its capacity. To avoid these problems, it is necessary to prevent sediment from entering the system at the inlets.

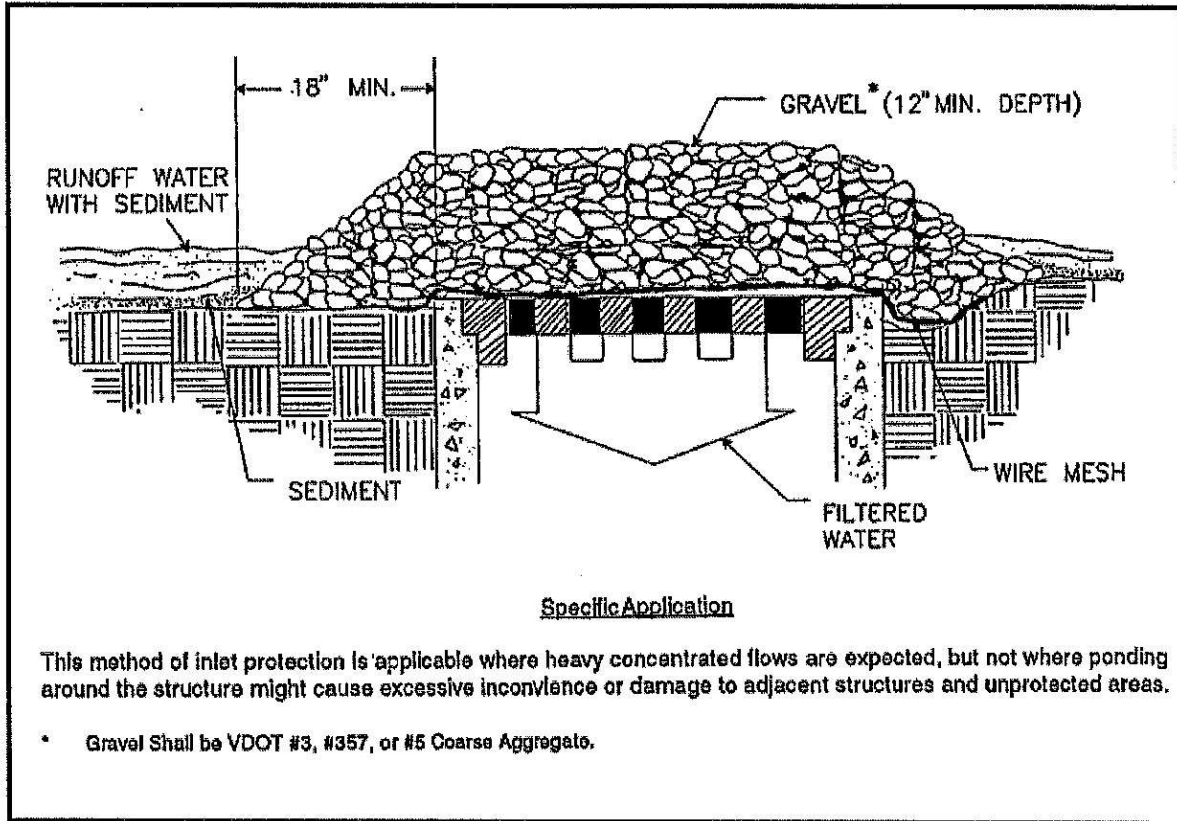
There are several types of inlet filters and traps, which have different applications depending on the site conditions and type of inlet. Other innovative techniques for accomplishing the same purpose are encouraged, but only after specific plans and details are submitted to and approved by the stormwater permitting agency.

Note that these various inlet protection devices are for drainage areas **less than 1 acre (0.4 ha)**. Runoff from large, disturbed areas should be routed through a Temporary Sediment Trap.

Design Criteria:

1. The drainage area shall be no greater than 1 acre (0.4 ha).
2. The inlet protection device shall be constructed to facilitate the cleanout and disposal of trapped sediment and to minimize interference with construction activities.
3. The inlet protection device shall be constructed so that any resultant ponding or stormwater will not cause excessive inconvenience or damage to adjacent areas or structures.
4. Figures 2 through 12 provide specific design criteria for each particular inlet protection device.

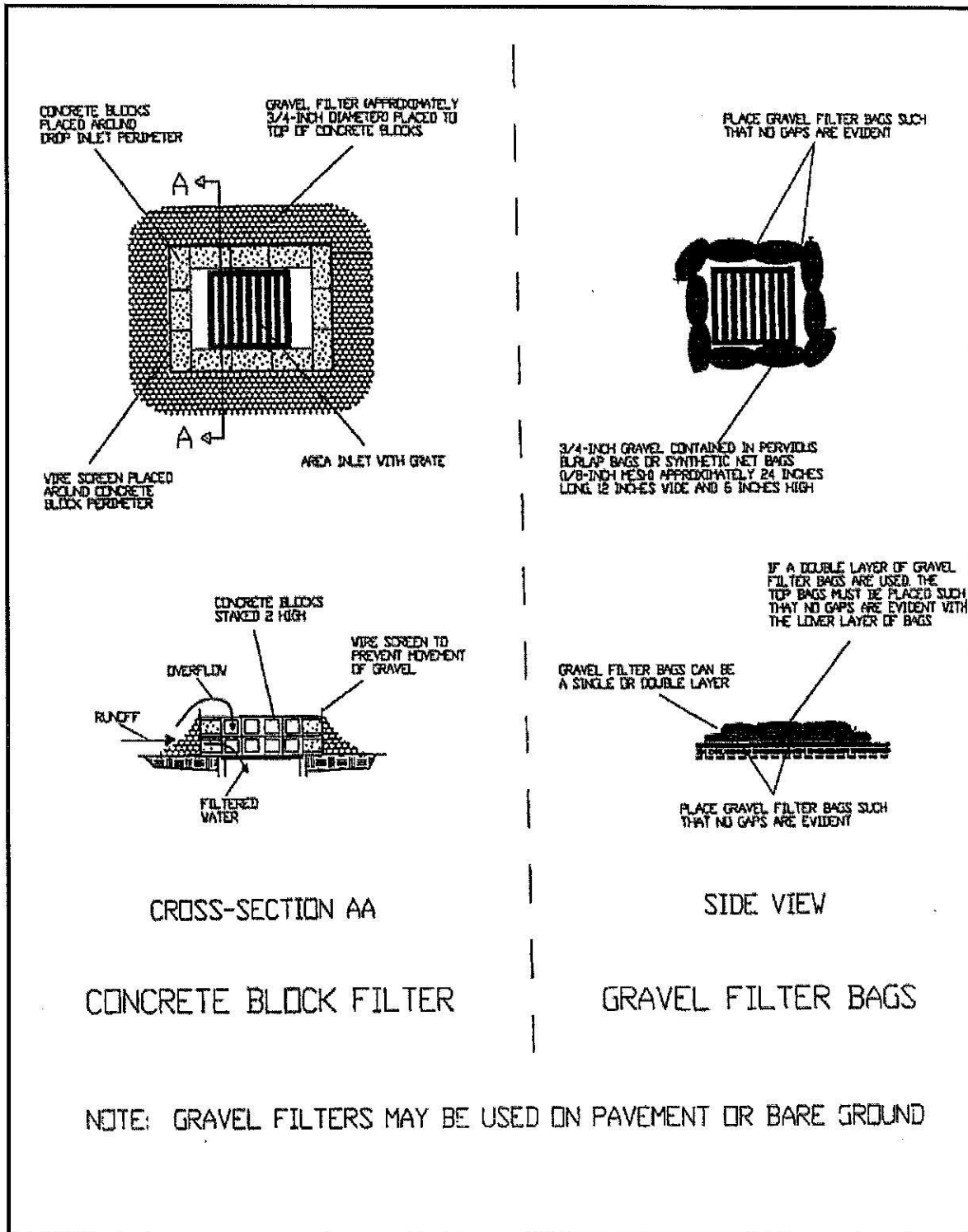
BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL



Gravel and Wire Mesh Drop Inlet Sediment Filter

Source: Virginia DSWC

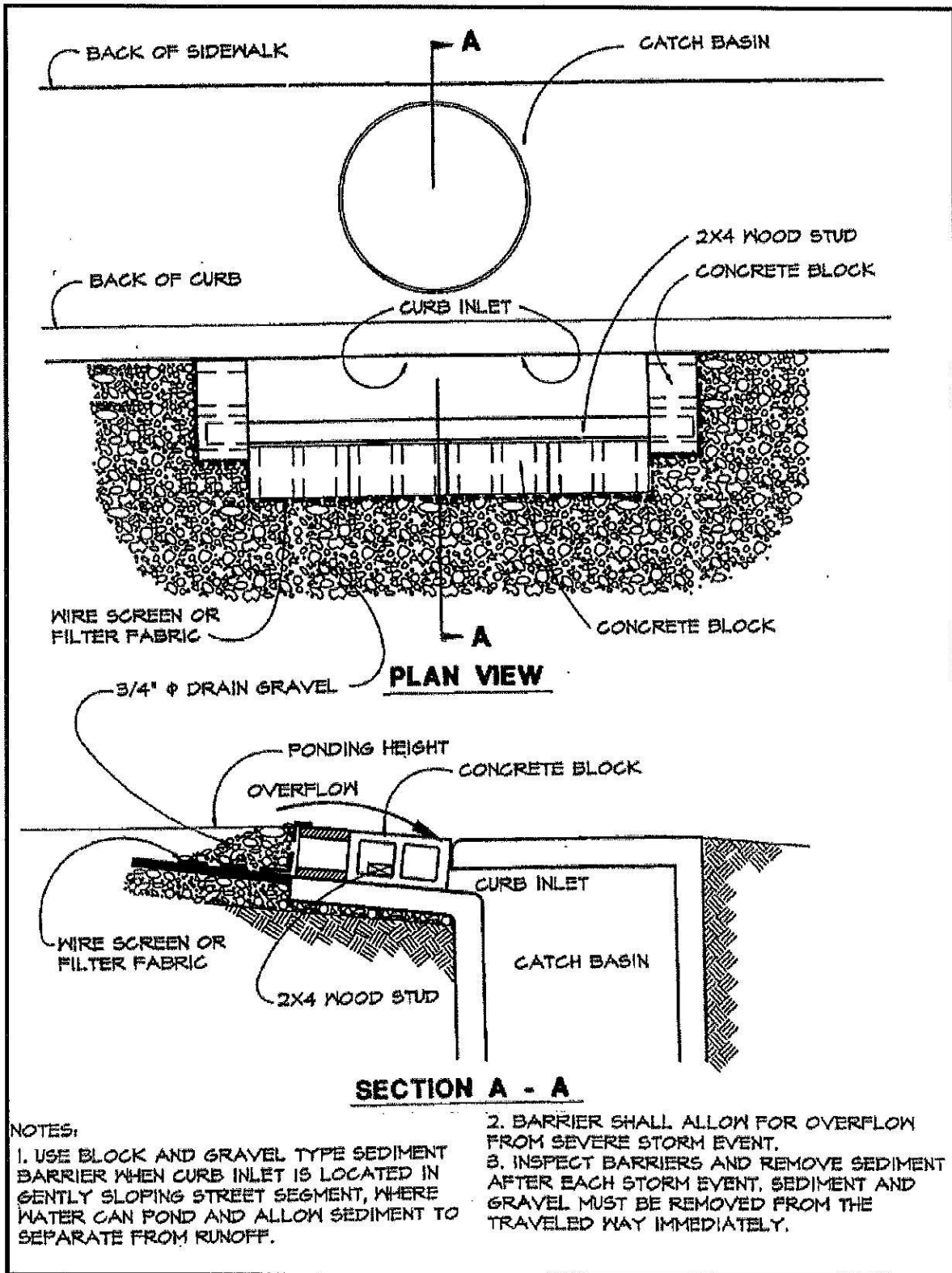
BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL



Gravel Filters for Area Inlets

Source: HydroDynamics, Inc.

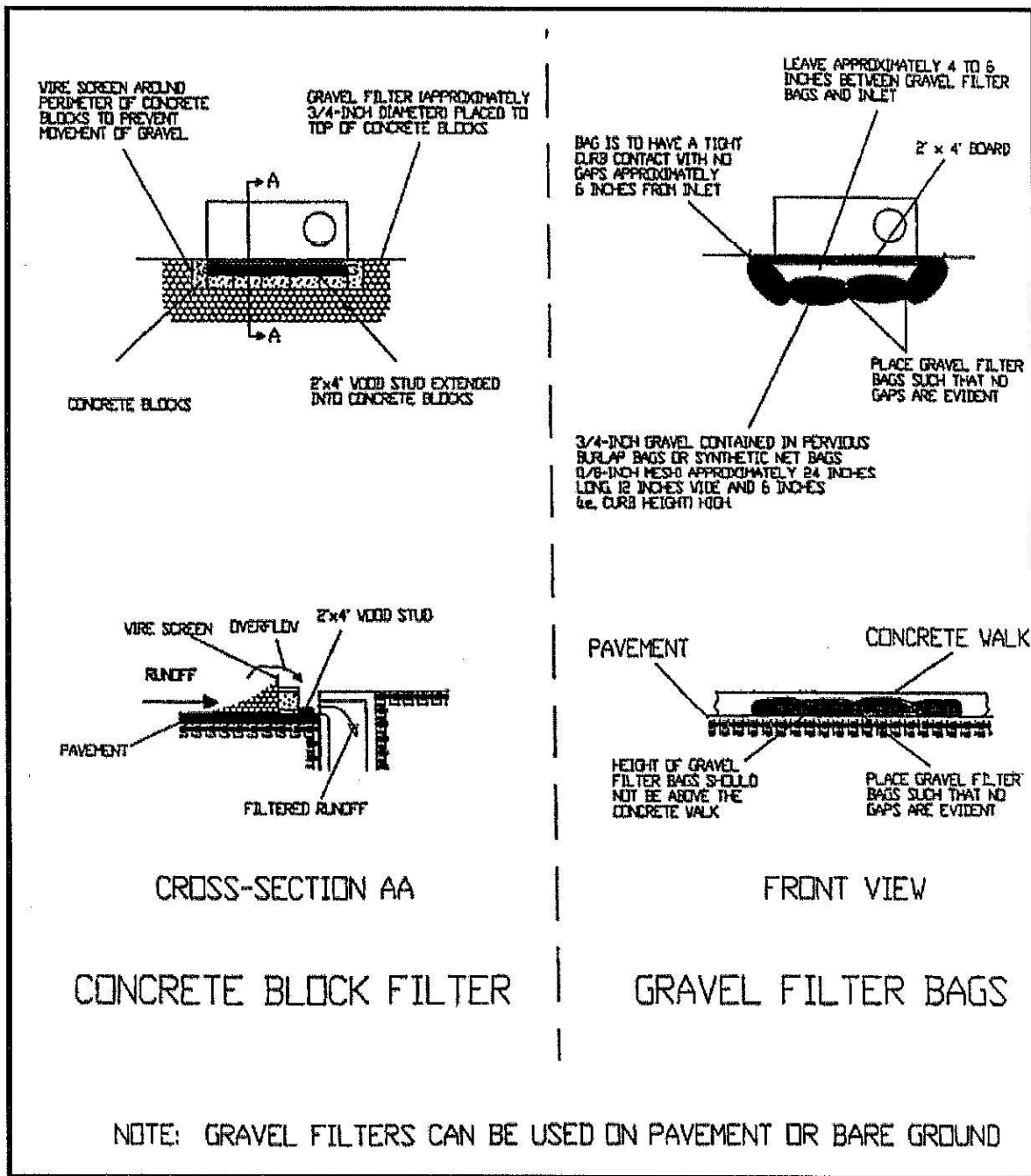
BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL



Block and Gravel Curb Inlet Sediment Barrier

Source: Erosion Draw

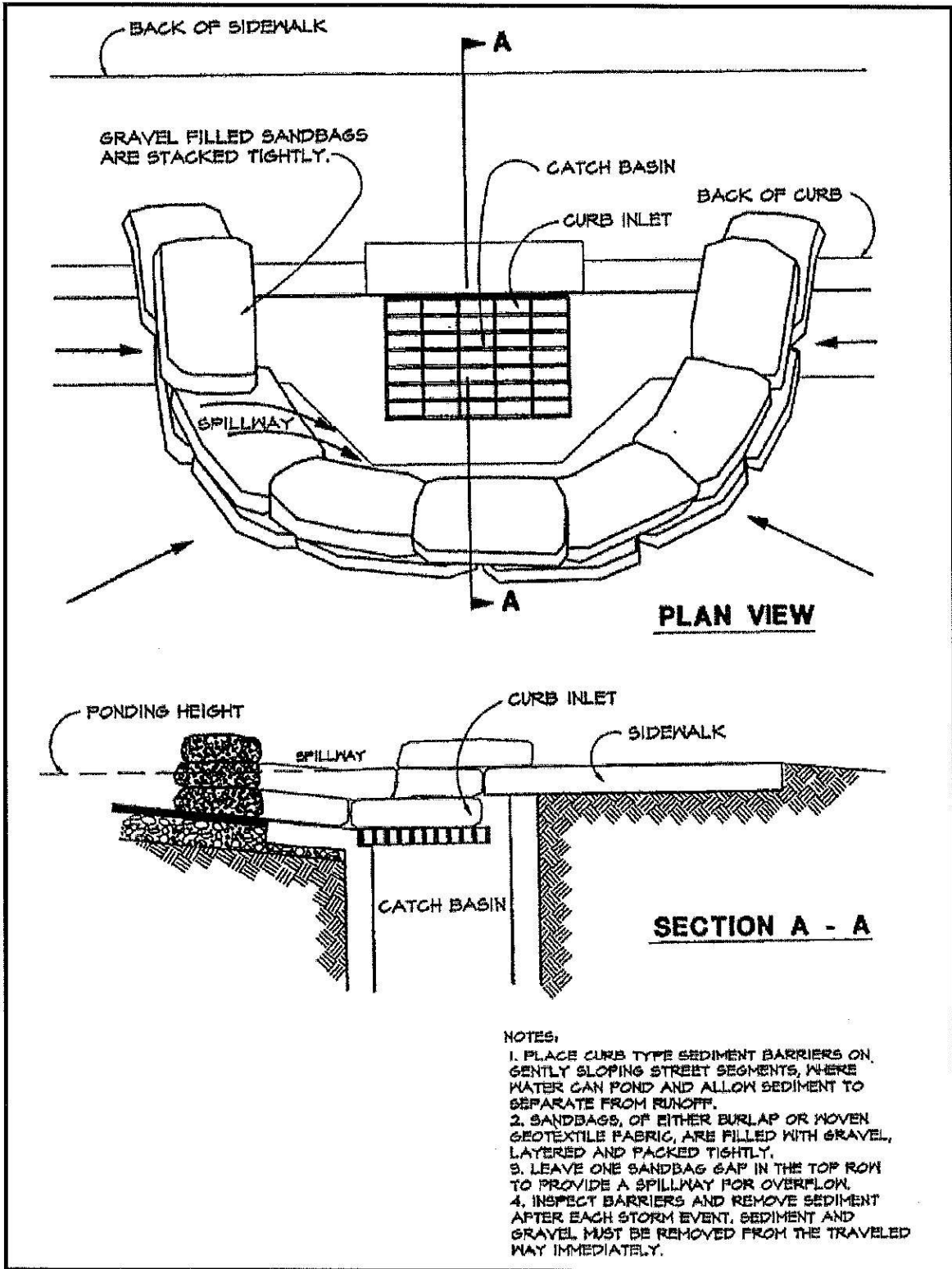
BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL



Curb Inlet Gravel Filters

Source: HydroDynamics, Inc.

BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL



Curb Inlet Sediment Barrier

Source: Erosion Draw

Attachment C: Stacked Turbidity Barrier (Silt Fence)

Silt Fence

Definition:

A temporary sediment barrier consisting of a filter fabric stretched across and attached to supporting posts and entrenched. Some silt fence is wire reinforced for support.

Purpose:

The purpose of a silt fence is to slow the velocity of water and retain sediment on site.

Planning Considerations:

Silt fences can trap a much higher percentage of suspended sediments than straw bales and are preferable to straw barriers in many cases. The most effective application is to install two parallel silt fences spaced a minimum of three feet apart. The installation and maintenance methods outlined here can improve performance.

Design Criteria:

1. No formal design is required for many small projects and minor incidental applications.
2. Silt fences shall have an expected usable life of six months. They are applicable around perimeters and stock piles, and at temporary locations where continuous construction changes the earth contour and runoff characteristics.
3. Silt fences have limited applicability to situations in which only sheet or overland flows are expected. They normally cannot filter the volumes of water generated by channel flows, and many fabrics do not have sufficient structural strength to support the weight of water ponded behind the fence line.

Construction Specifications:

Materials

1. Synthetic filter fabric shall be pervious sheet of propylene, nylon, polyester, or polyethylene yarn. It shall contain ultraviolet ray inhibitors and stabilizers to provide a minimum of 6 months of expected usable construction life at a temperature range of 0°F to 120°F (-17°C to 49°C).
2. The stakes for a silt fence shall be 1 x 2 inches (2.5 x 5 cm) wood (preferred), or equivalent metal with a minimum length of 3 feet (90 cm).
3. Wire fence reinforcement for silt fences using standard-strength filter cloth shall be a minimum of 36 inches (90 cm) in height, shall be a minimum 14 gauge, and shall have a maximum mesh spacing of 6 inches (15 cm).

Sheetflow Application: Silt Fence

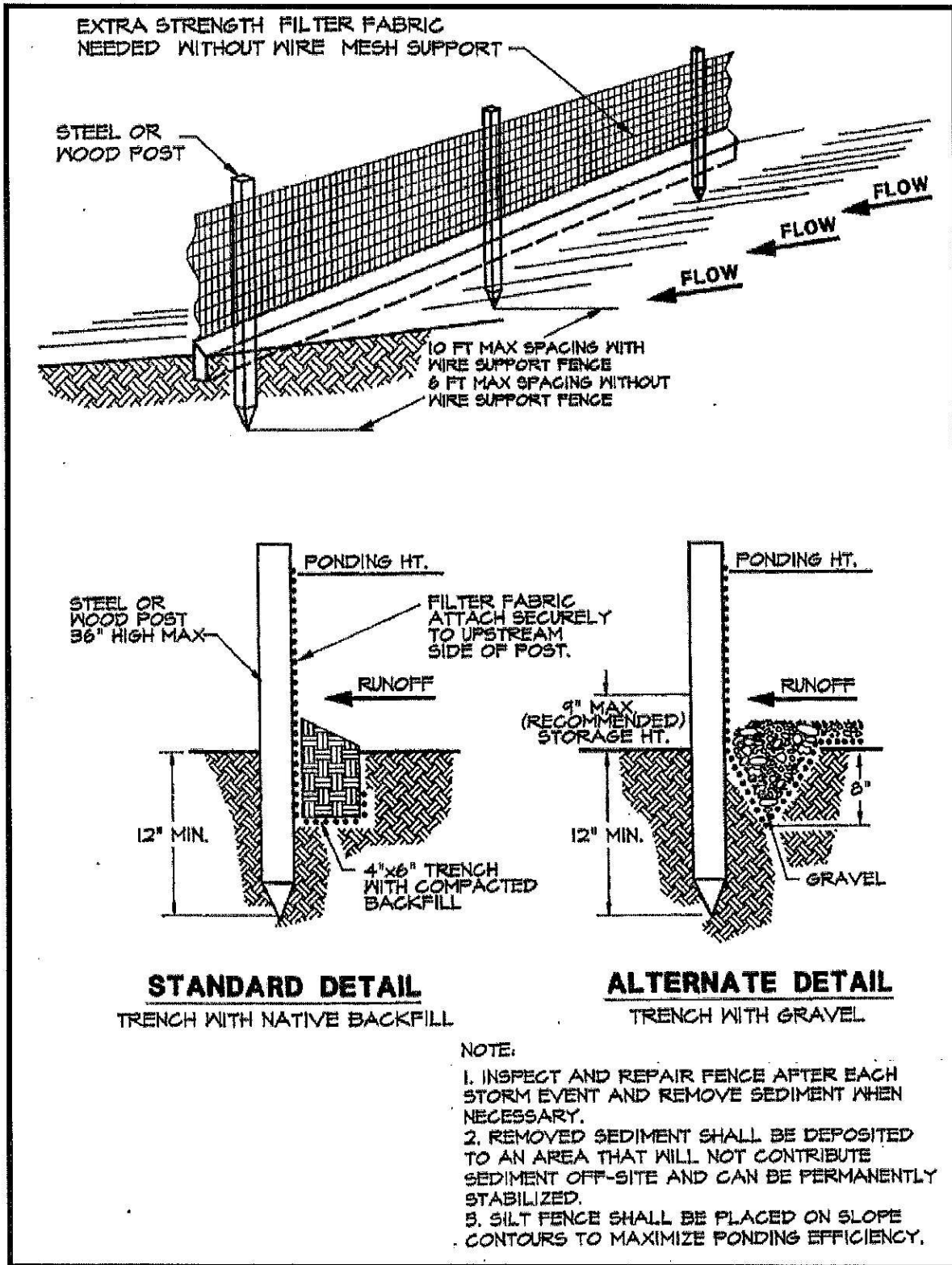
1. The height of a silt fence shall not exceed 36 inches (90 cm). Higher fences may impound volumes of water sufficient to cause failure of the structure.
2. The filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid the use of joints. When joints are necessary, filter cloth shall be spliced as described in Item 8 below.
3. Posts shall be spaced a maximum of 10 feet (3 m) apart at the barrier location and driven securely into the ground a minimum of 12 inches (30 cm). When extra-strength fabric is used without the wire support fence, post spacing shall not exceed 6 feet (1.8 m).
4. A trench shall be excavated approximately **4 inches (10 cm) wide and 4 inches (10 cm) deep** along the line of posts and upslope from the barrier.
5. When standard-strength filter fabric is used, a wire mesh support fence shall be fastened securely to the upslope side of the posts using heavy duty wire staples at least 1 inch (25 mm) long, tie wires, or hog rings. The wire shall extend into the trench a minimum of 2 inches (5 cm) and shall not extend more than 36 inches (90 cm) above the original ground surface.

6. The standard-strength filter fabric shall be stapled or wired to the fence and 8 inches (20 cm) of the fabric shall be extended into the trench. The fabric shall not extend more than 36 inches (90 cm) above the original ground surface.
7. When extra-strength filter fabric and closer post spacing are used, the wire mesh support fence may be eliminated. In this case, the filter fabric is stapled or wired directly to the posts with all other provisions of Item 6 applying.
8. When attaching 2 silt fences together, place the end post of the second fence inside the end post of the first fence. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the filter fabric. Drive both posts into the ground and bury the flap (See Figure 14 – Silt Fence Installation)
9. The trench shall be backfilled and the soil compacted over the filter fabric.
10. The most effective application consists of a double row of silt fences spaced a minimum of 3 feet apart, so that if the first row collapses it will not fall on the second row. Wire or synthetic mesh may be used to reinforce the first row (See Figure 15 – Double Row Stacked Silt Fence).
11. When used to control sediment from a steep slope, silt fences should be placed away from the toe of the slope for increased holding capacity (See Figure 16 – Proper Placement of Silt Fence at Toe of Slope).
12. Silt fences shall be removed when they have served their useful purpose, but not before the upslope area has been permanently stabilized.

Maintenance:

1. Silt fences shall be inspected within 24 hours after each ½ inch rainfall event and at least once a week. Any required repairs shall be made immediately.
2. Should the fabric on a silt fence decompose or become ineffective before the end of the expected usable life and the barrier is still necessary, the fabric shall be replaced promptly.
3. Sediment deposits should be removed when deposits reach approximately one-half the height of the barrier.
4. Any sediment deposits remaining in place after the silt fence is no longer required shall be dressed to conform to the existing grade, prepared, and seeded.

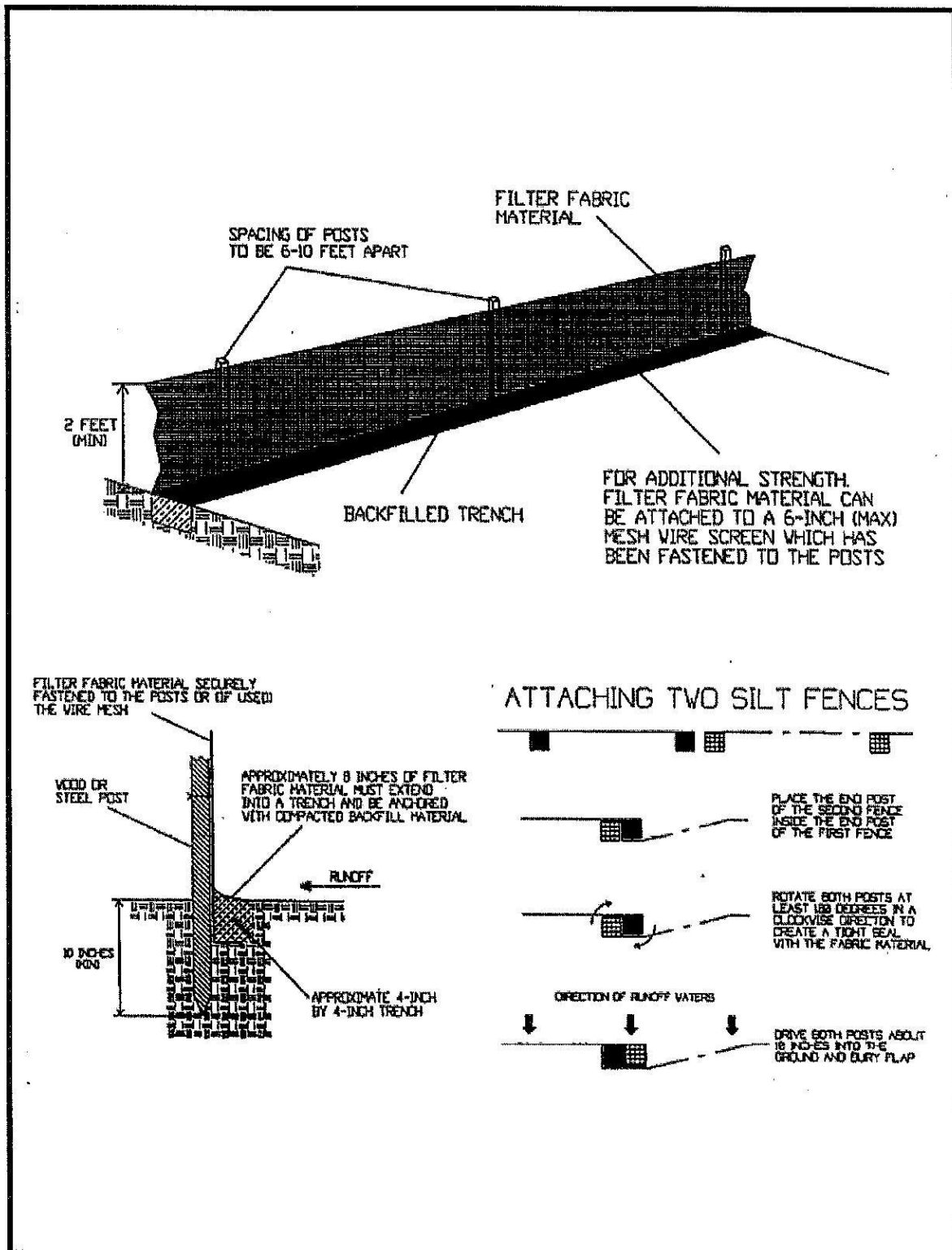
CHAPTER 4: BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL



Silt Fence

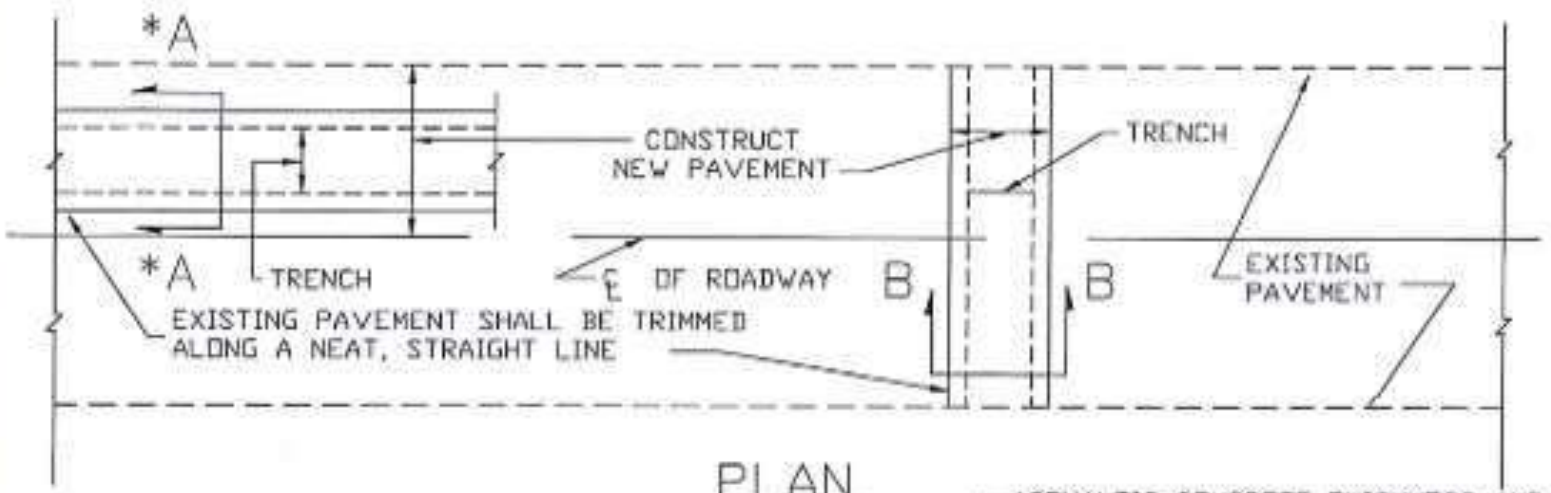
Source: Erosion Draw

BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENTATION CONTROL

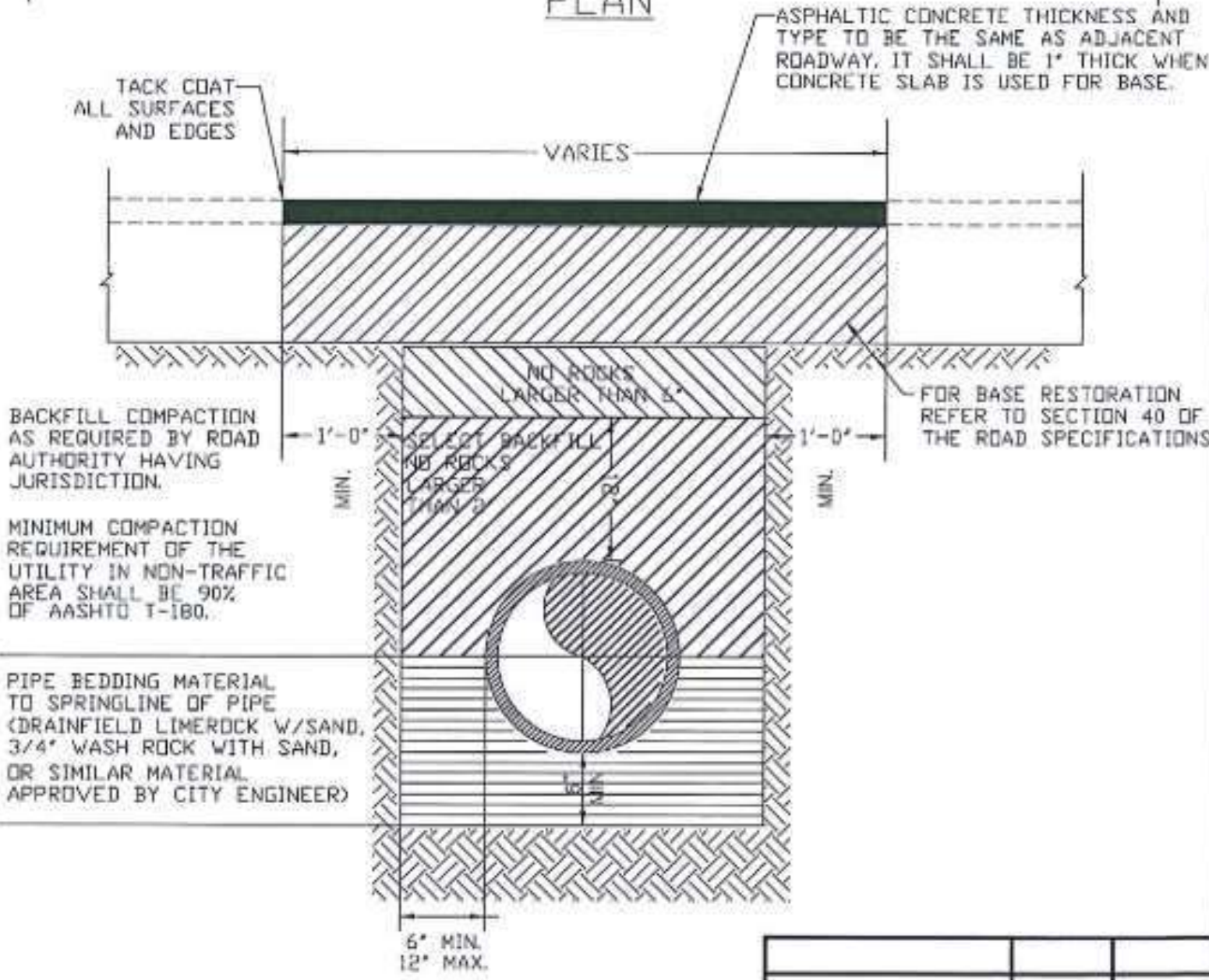


Installing a Filter Fabric Silt Fence

Source: HydroDynamics, Inc.



PLAN



SECTION A-A & B-B

2'x4' METER VAULT	WS 2.17	
ITEM	CROSS REF.	SPEC. REF.

**TOWN OF MEDLEY
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Department**

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6-1-98

REVISED

**STANDARD ROAD DETAIL
PAVEMENT RESTORATION
TRENCHES CUT IN PUBLIC
RIGHTS - OF - WAY**

**R
21.1**
SHEET 1 OF 2

NOTES FOR PAVEMENT RESTORATION FOR TRENCHES CUT IN PUBLIC RIGHTS-OF-WAY

1. PAVEMENT RESTORATION FOR LONGITUDINAL CUTS SHALL INCLUDE FULL LANE WIDTH RESURFACING FOR EACH LANE WITHIN WHICH THE CUT EXTENDS.
2. IN SOME CASES IT WILL BE NECESSARY TO OVERLAY MORE THAN (1) LANE WITH ASPHALTIC CONCRETE TO SATISFY PAVEMENT SLOPE.
3. CONTRACTOR MAY ELECT TO BACKFILL WITH 1:10 SAND - CEMENT MIX.
4. SEE SPECIFICATIONS FOR INSTALLATION REQUIREMENTS IN UNSTABLE SOIL CONDITIONS.
5. WHEN ALTERNATE METHOD OF CONSTRUCTION IS USED - 18" ROCK BEDDING IS REQUIRED. WHEN MUCK OR OTHER UNSUITABLE MATERIAL IS ENCOUNTERED, 30" OF ROCK BEDDING IS REQUIRED.
6. NO ASPHALT OR ORGANIC MATTER WILL BE ALLOWED IN BACKFILL.

2'x4' METER VAULT	WS 2.17	
ITEM	CROSS REF.	SPEC. REF.

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STANDARD ROAD DETAIL
PAVEMENT RESTORATION
TRENCHES CUT IN PUBLIC
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SHEET 2 of 2