

SITE DEVELOPMENT PLAN CERTIFICATES

I, _____, owner of the property shown on this drawing in Riverwoods, Illinois, do hereby certify that I am familiar with the plan and certify that all work shall be done in accordance with the said plan.

Owner

Date

I, _____, P.E., have prepared this Site Development Plan and hereby attest to it's accuracy.

Design Engineer

Date

Approved By:

Village Engineer

Date

Approved By:

Village Ecologist

Date

LANDSCAPE/WOODLAND PROTECTION PLAN CERTIFICATE

I, _____, owner of the property shown on this drawing in Riverwoods, Illinois, do hereby certify that I have reviewed this plan and understand that (a) the plan does not authorize work to be performed in the area marked as “protected woodland” and (b) it is a violation of Chapter 6 of Title 9 of the Riverwoods Village Code to remove protected canopy trees, subcanopy/understory trees & shrubs, and ground layer vegetation from protected woodland areas. Traditional turf grass lawns, mulch and other formal landscaping are not allowed in these areas. Violations are subject to a fine of up to \$750 per day until the violation is remedied.

I understand that to reduce damage to existing vegetation on the site, the landscape/woodland and tree protection notes on this plan must be observed. Since the area not falling within protected woodland may be disturbed during construction, a detailed Landscape Plan showing restoration of acceptable ground cover must be submitted for Village review a minimum of 30 days prior to requesting occupancy of the residence.

The property may be eligible for participation in cost-share programs the Village has adopted to encourage enhancement of protected woodlands.

Owner

Date

Printed Name

Lot Coverage Table

Lot Coverage Table	Existing (square feet)	Proposed (square feet)
Gross Lot Area (sf)		
Road Easement Area		
Roadway		
Buildings		
Other Coverage		
Total Coverage		
% of Gross Lot Area		
Protected Woodland		
% Impacted		
% Impact Allowed		

[Note: All buildings, driveway (paved or gravel), patios, sidewalks, tennis courts, swimming pools, and other at-grade, non-vegetative improvements shall be considered lot coverage. Above-grade decks shall not be considered lot coverage.]

Person in Charge Note

Person in Charge of Construction Operations:

Name: _____

Address: _____

Mobile (24-hour) telephone number: _____

The above individual shall be responsible for all construction operations on this site, including maintenance of protective fencing and erosion control measures, containment of construction debris, and scheduling of Village inspections. The Person in Charge shall ensure that all contractors and subcontractors working on this project are supplied with copies of the approved plans as necessary. The Person in Charge shall be the sole point of contact for all correspondence or direction from the Village.

The Person In Charge shall have on the work at all times, as the Owner's agent, a competent English-speaking superintendent capable of reading and thoroughly understanding the Plans and Specifications and thoroughly experienced in the type of work being performed, who shall receive instructions from the Village Building Official or authorized representatives. The superintendent shall have full authority to execute orders or directions of the Village Building Official without delay, and to promptly supply such materials, equipment, tools, labor, and incidentals as may be required.

STANDARD SITE DEVELOPMENT PLAN NOTES

1. **No excavation, grading, tree removal, woodland removal, landscaping, or underground utility work (including drainage tiles or buried utility service lines) not shown on this plan shall be allowed.**
2. All proposed storm sewers, swales or other drainage improvements shall be constructed and in operation prior to vertical construction.
3. All landscaping shall conform to the grades shown hereon and shall be limited to the area within the construction limits shown. Any work outside the construction limits, within the proposed woodland protection area, or requiring additional grading shall require submittal and Village approval of a separate Landscape Plan.
4. Topography was prepared by _____. Certification of the accuracy of this topography is expressly made a part of the design engineer's certification of this site plan.
5. All excess fill or spoil shall be removed from the site or stored in the location indicated on this plan. Fill or spoil shall not be placed within the proposed woodland protection area.
6. In order to prevent Soil Erosion all areas disturbed during construction shall be seeded, sodded, or planted in some approved type of ground cover within thirty days after grading is completed (weather permitting).
7. Sump Pumps shall discharge to a road ditch, swale, or storm sewer. Sump Pumps shall not discharge to an existing wetland.
8. Driveway culverts shall be a 12" diameter (unless requested to be larger by the Village Engineer) of Reinforced Concrete Pipe with flared end sections and shall extend a minimum of four (4) feet past the edge of the driveway for each one (1) foot of depth below the finished surface on each side.
9. Overhead sewers systems are required regardless of the sewer depth.
10. Sanitary sewer service shall be PVC SDR 26 conforming to ASTM D2241 with joints conforming to ASTM D3139. The proposed sewer service may be connected to the existing sanitary sewer service if a current videotape is provided to the office of the Village Engineer for review and, in the sole opinion of the Village Engineer, the existing service is in sound condition. If the existing service is not sound, the new service must connect to the existing wye or tee at the main.
11. If, after construction is completed, the drainage on this site proves to be inadequate or flows onto adjacent property from impervious areas, in the opinion of the Village Engineer, a swale or storm drain shall be constructed by the Owner to the nearest feasible drainage outlet.
12. All vehicles, construction equipment, and material associated with this development shall only be parked, operated and stored on the subject property, outside of the limits of the proposed woodland protection area.
13. One copy of the approved site development plan shall be on site throughout construction operations.
14. **Maximum vehicle weight limit on all streets in the Village is 6 tons per axle.**

TREE AND WOODLAND PROTECTION PLAN SHEET NOTES

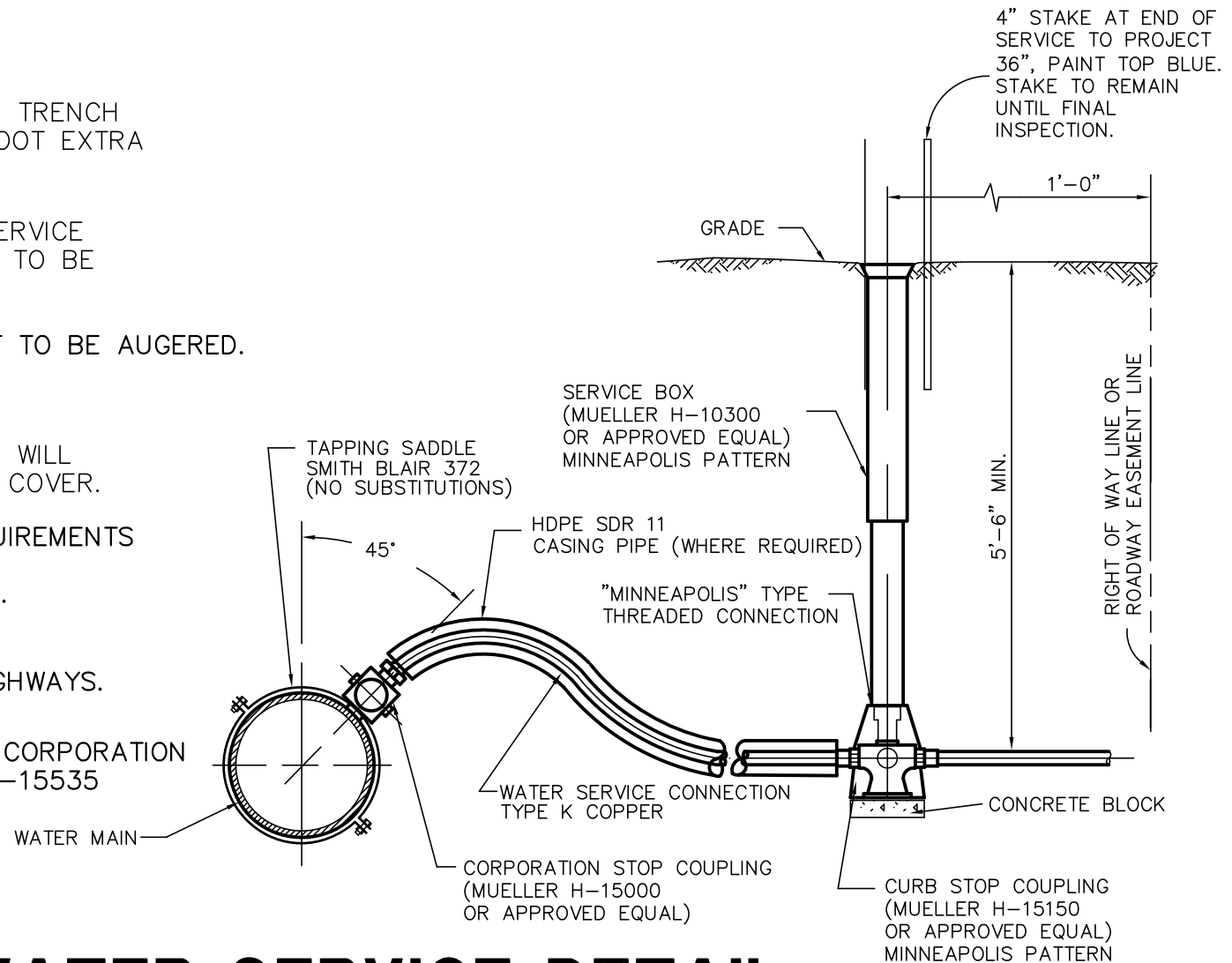
1. Existing Protected Woodland and trees/shrubs to remain in place shall be protected against unnecessary cutting, breaking or skinning of roots, skinning and bruising of bark, smothering by stockpiling of construction materials or excavated materials, excess foot or vehicular traffic or parking of vehicles within the woodland protection area.
2. The woodland protection area shall be fenced off with a chain-link fence during construction and landscape implementation. The critical root zone of all protected trees & shrubs extending beyond the woodland protection area and into the construction area shall be protected with a fence, a minimum of 6 inches of wood mulch, or other protective measure as approved by the Village.
3. Protected Woodland and trees/shrubs are damaged by construction operations shall be repaired or replaced in a manner acceptable to the Village.
4. No construction equipment shall be operated or construction material or excavated material stored outside the protective fencing or in areas of protected woodland.
5. Removal of dead, diseased, and/or invasive species of trees and shrubs within the woodland protection area shall be done by hand as not to disturb the protected trees/shrubs and ground layer. Stumps shall be cut to within 2 inches of the soil surface or ground out. Cut material shall be either disposed of off-site, burned in piles as approved by the Village, and/or mulched (outside the woodland protection area). The main trunk of larger trees can be left within the woodland protection area as laydowns to simulate natural decay processes.

STANDARD DETAILS

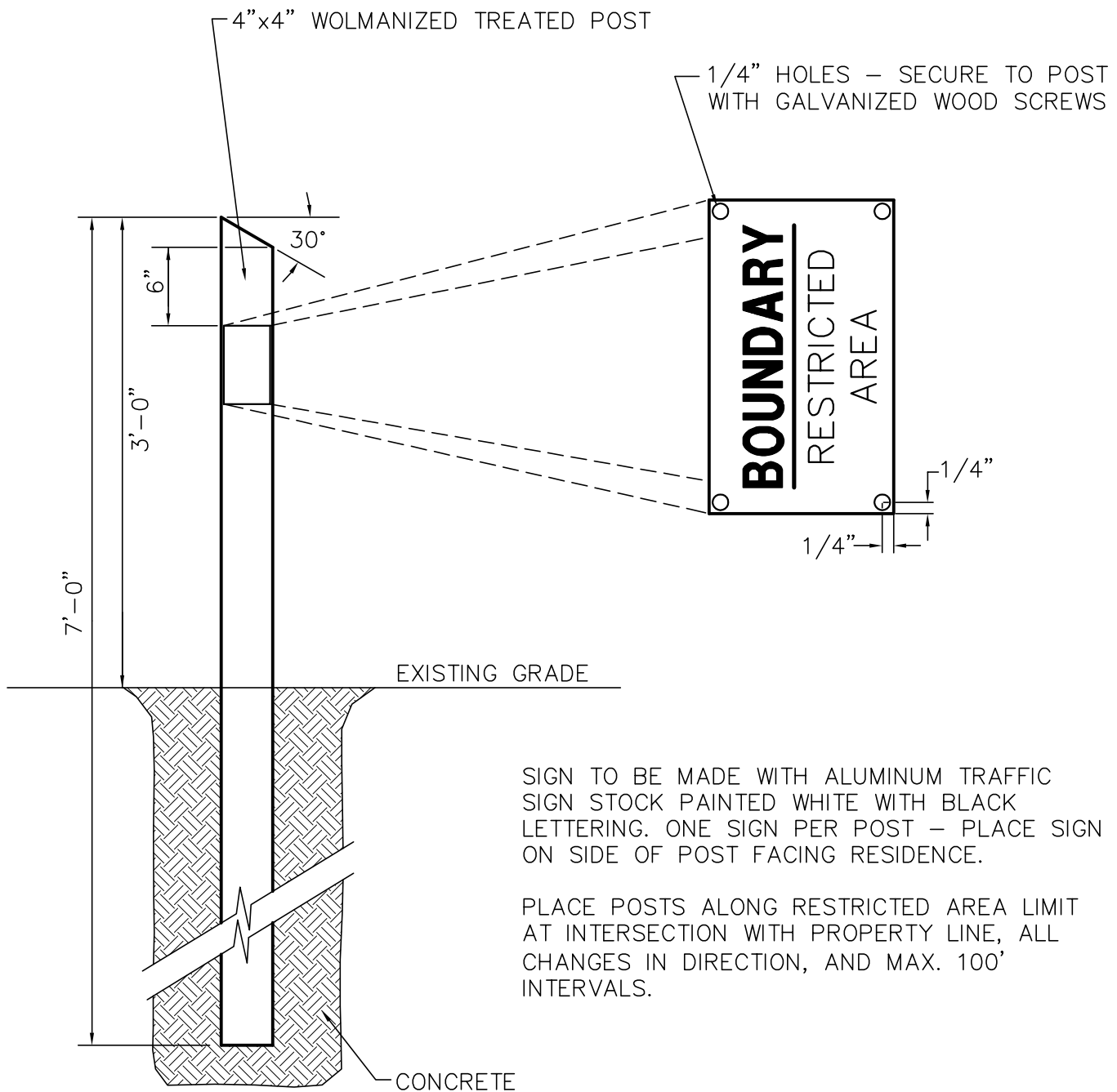
1. Water Service Detail
2. Protected Area Boundary Post Detail
3. Construction Entrance Detail
4. Construction Information Sign Detail
5. Roadway Pavement Patch Detail
6. Silt Fence/Tree Protection Fence Detail
7. Concrete Washout Detail

NOTES:

1. SERVICE PIPE TO BE WEAVED IN TRENCH TO ALLOW AT LEAST ONE (1) FOOT EXTRA LENGTH IN ITS LENGTH.
2. UPON COMPLETION OF WATER SERVICE CONSTRUCTION, ALL BOXES ARE TO BE SET AT FINISHED GRADE.
3. ALL SERVICES UNDER PAVEMENT TO BE AUGERED.
4. JET ALL TRENCHES.
5. ALL WATER SERVICES TO HOUSE WILL HAVE MINIMUM 5.5' OF GROUND COVER.
6. IEPA MINIMUM SEPARATION REQUIREMENTS MUST BE MAINTAINED BETWEEN SERVICES AND EXISTING SEWERS.
7. INSTALL CASING PIPE ON ALL SERVICES CROSSING COUNTY HIGHWAYS.
8. ABANDON EXISTING SERVICE AT CORPORATION USING COPPER DISC MUELLER H-15535 AND FLARE NUT.



WATER SERVICE DETAIL



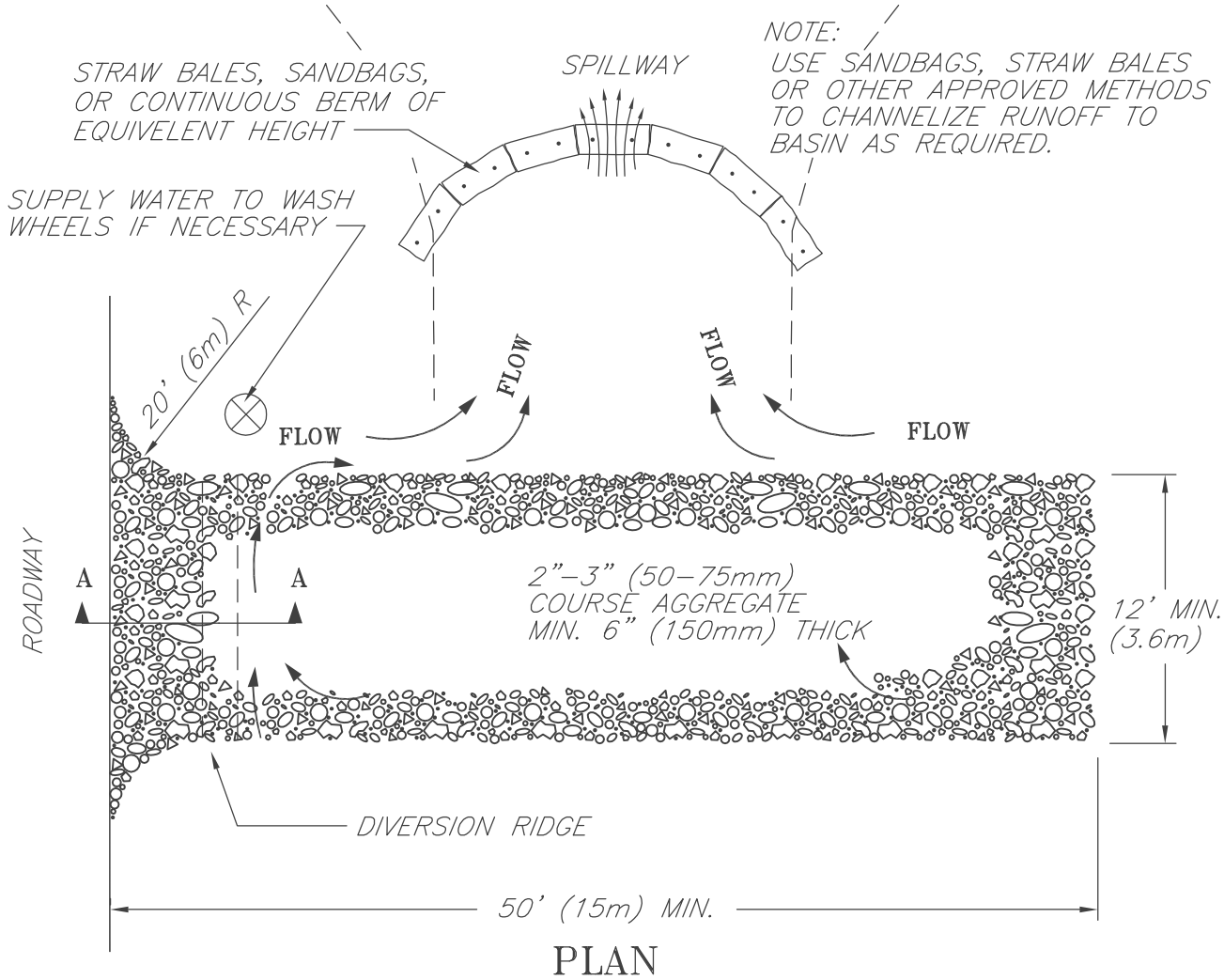
BOUNDARY POST DETAIL

DIVERSION RIDGE REQUIRED
WHERE GRADE EXCEEDS 2%

2 % OR GREATER



SECTION A - A



NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY
GRAVEL
CONSTRUCTION
ENTRANCE/EXIT

NOTICE OF CONSTRUCTION

PERMIT NO. <XXXX>

<ADDRESS>

PERSON IN CHARGE OF OPERATIONS

<NAME>

24-HOUR CONTACT NUMBER

<24-HOUR PHONE NUMBER>

ALLOWABLE HOURS OF OPERATION

MONDAY-FRIDAY 7:30 AM - 7:00 PM

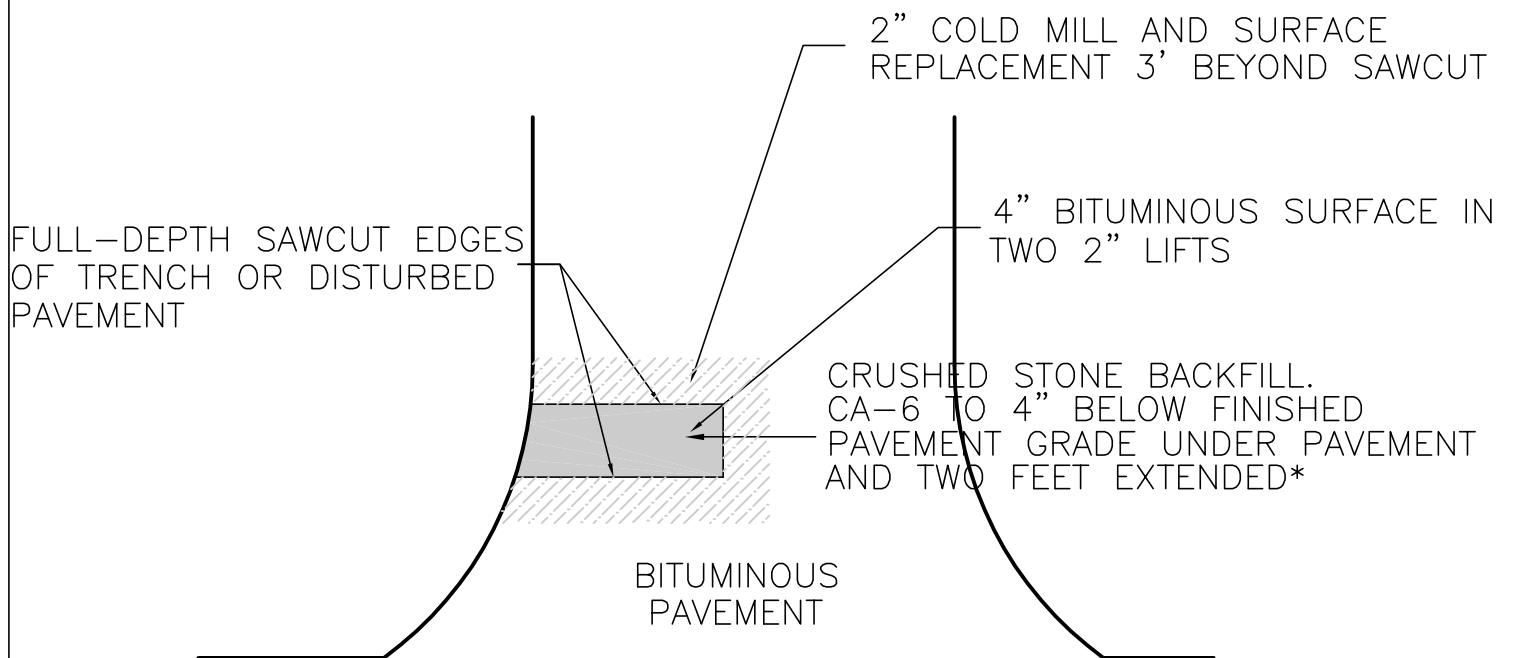
SATURDAY 8:30 AM - 5:00 PM

NO WORK ON SUNDAY/HOLIDAYS

6 TONS PER AXLE MAXIMUM

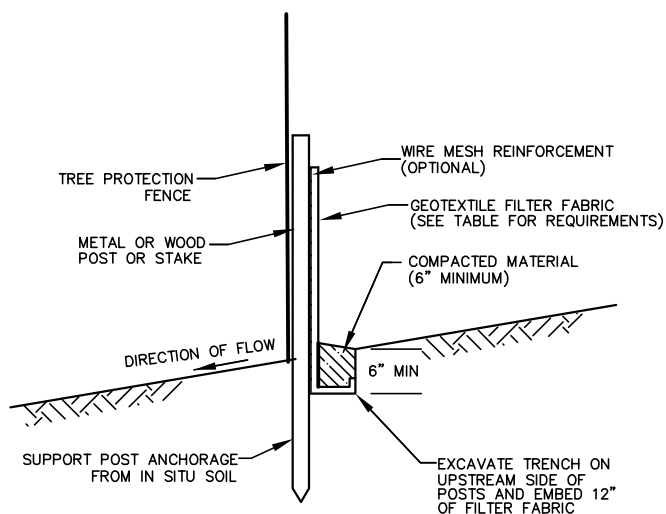
ON ALL VILLAGE STREETS

*48" x 48" ALUMINUM SIGN.
1.5-2" BLACK LETTERS ON WHITE BACKGROUND*



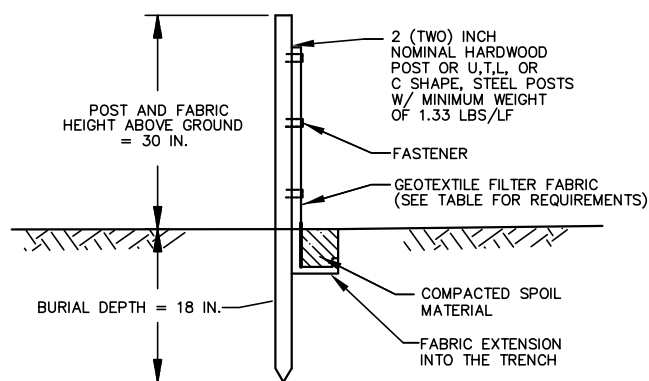
*FLOWABLE FILL TO 2" BELOW FINISHED SURFACE IN COUNTY ROADS

BITUMINOUS PAVEMENT RESTORATION DETAIL

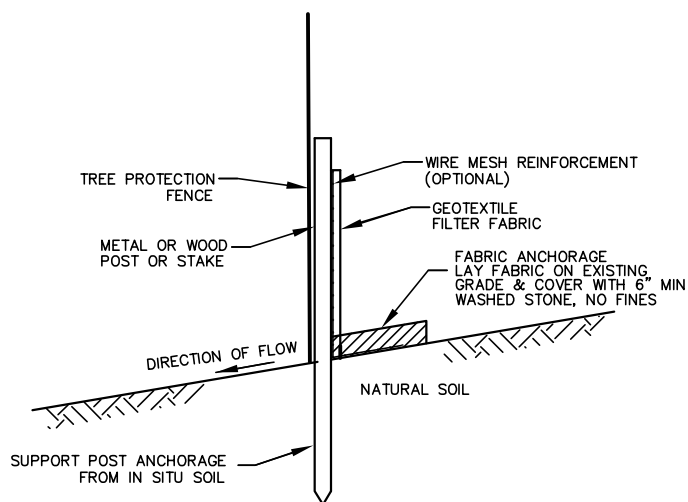


NOTE: DEPENDING UPON CONFIGURATION, ATTACH FABRIC TO WIRE MESH W/ HOG RINGS, STEEL POSTS W/ TIE WIRES, WOOD POSTS W/ NAILS.
NOTE: INSTALL ON UPHILL SIDE OF TREE PROTECTION FENCE

STANDARD SILT FENCE DETAIL



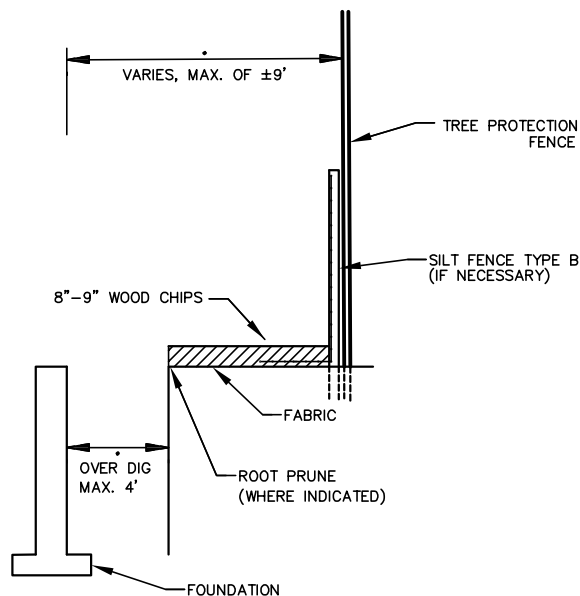
SILT FENCE POST DETAIL



NOTE: DEPENDING UPON CONFIGURATION, ATTACH FABRIC TO WIRE MESH W/ HOG RINGS, STEEL POSTS W/ TIE WIRES, WOOD POSTS W/ NAILS.
NOTE: INSTALL ON UPHILL SIDE OF TREE PROTECTION FENCE

SILT FENCE TYPE B (CRITICAL ROOT ZONES)

TO BE USED IN AREAS THAT ARE ADJACENT TO TREE PROTECTION ZONES

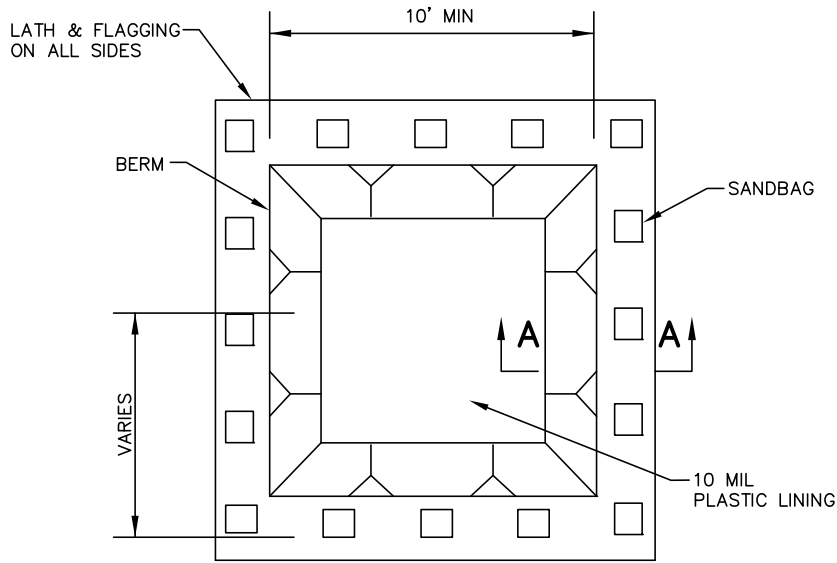


ROOT ZONE MULCH PROTECTION

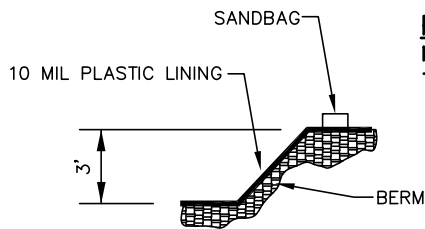
GEOTEXTILE REQUIREMENT	TEST METHOD	MARV
GRAB STRENGTH	ASTM D 4632	
—MACHINE DIRECTION		550 N
—X—MACHINE DIRECTION		450 N
PERMITTIVITY	ASTM D 4491	0.05 SEC-1
APPARENT OPENING SIZE	ASTM D 4751	0.60 MM
ULTRAVIOLET STABILITY (RETAINED STRENGTH)	ASTM 4355	70% AFTER 500 HOURS

NOTE: VALUE FOR APPARENT OPENING SIZE REPRESENTS MAXIMUM AVERAGE ROLL VALUE

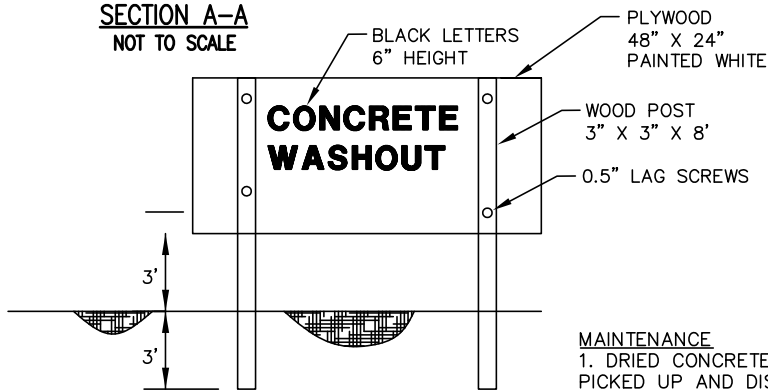
VILLAGE OF RIVERWOODS SILT FENCE DETAILS



PLAN
NOT TO SCALE
TYPE "BELOW GRADE"



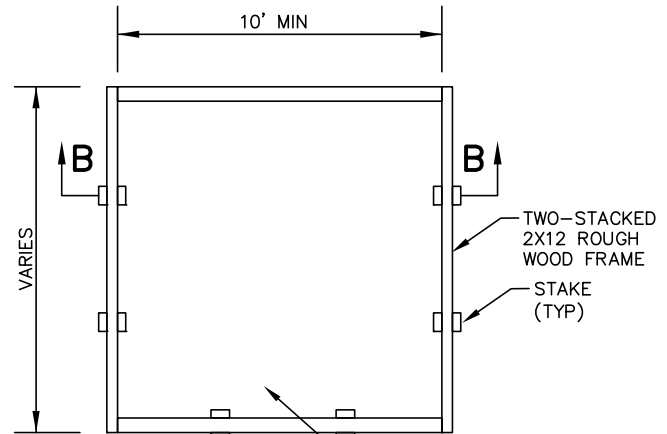
SECTION A-A
NOT TO SCALE



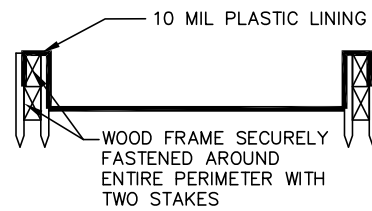
**CONCRETE WASHOUT
SIGN DETAIL
(OR EQUIVALENT)**

MAINTENANCE

1. DRIED CONCRETE WASTE SHALL BE PICKED UP AND DISPOSED OF PROPERLY WHEN 75% OF CAPACITY IS REACHED.
2. HARDENED CONCRETE CAN BE PROPERLY RECYCLED AND REUSED ONSITE OR HAULED OFF-SITE TO AN APPROPRIATE FACILITY.



PLAN
NOT TO SCALE
TYPE "BELOW GRADE"



SECTION B-B
NOT TO SCALE

NOTES

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. CONCRETE WASHOUT SHOULD NOT BE ALLOWED IN STREET OR TO REACH A STORM WATER DRAINAGE SYSTEM OR WATERCOURSE.
4. CONCRETE WASHOUT AREA TO BE LOCATED AT LEAST 10' BEHIND CURB IF ADJACENT TO A PAVED ROAD.

CONCRETE WASHOUT