

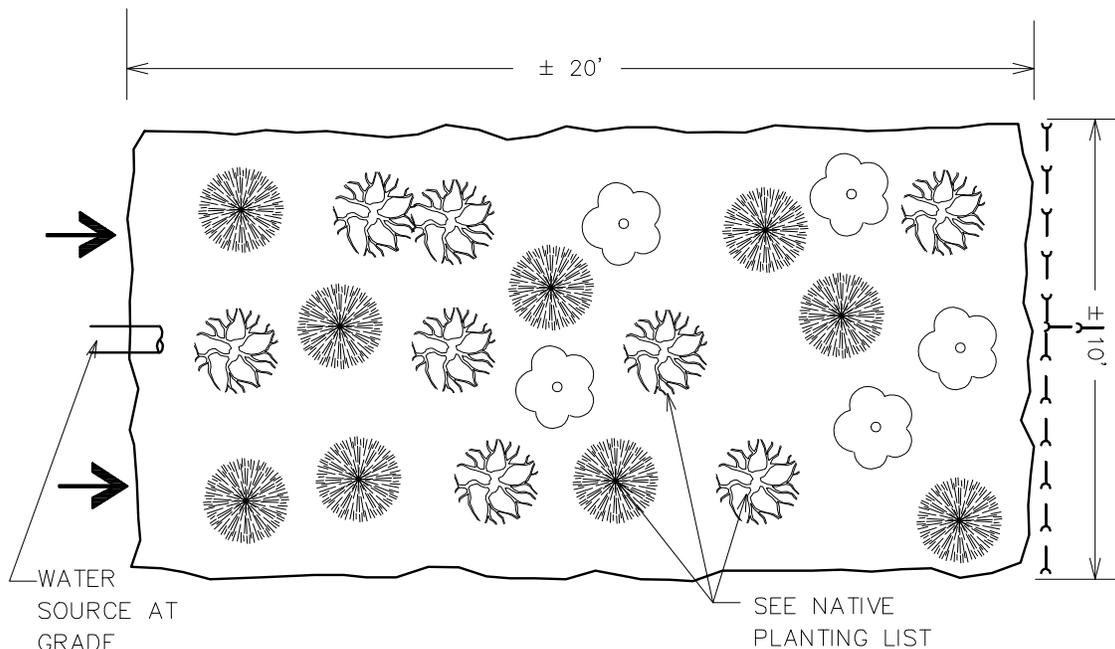
* IF THE BUILDING IS MULTI-LEVEL OR HAS A STEP FOUNDATION, SHOW PROPOSED TOP OF FOUNDATION AND FINISHED GRADE AT ALL LEVELS.

NOT TO SCALE

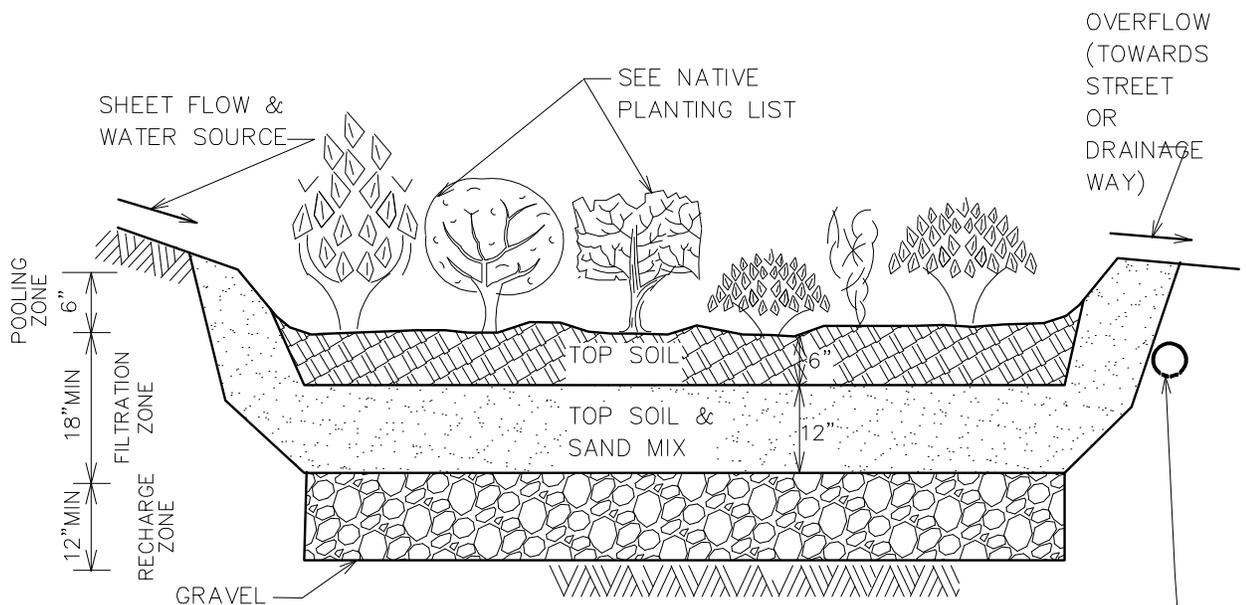
LOT GRADING

Village of Wilmette
 Engineering Department
 847.853.7660

REVISED: 12-14-09



PLAN VIEW



CROSS SECTION

UNDERDRAIN (6") IN PERMEABLE FABRIC CONNECTED TO STORM WATER SYSTEM (OPTIONAL)

NOT TO SCALE

**RAIN GARDEN
DETAIL**

Village of Wilmette
Engineering Department
847.853.7660

Village of Wilmette Suggested Plant List for Rain Gardens

Light Preference: Shade

Botanical Name	Common Name	Bloom Time	Bloom Color	Height
<i>Aquilegia canadensis</i>	Columbine	Spring to Summer	Scarlet, Yellow	1-2'
<i>Onoclea sensibilis</i>	Sensitive Fern	Non-flowering	Non-flowering	1-2'
<i>Osmunda cinnamomea</i>	Cinnamon Fern	Non-flowering	Non-flowering	2-5'
<i>Osmunda regalis</i>	Royal Fern	Non-flowering	Non-flowering	1-3'

Light Preference: Partial Shade and Sun

Botanical Name	Common Name	Bloom Time	Bloom Color	Height
<i>Baptisia australis</i>	Blue False Indigo	May-July	Blue	2-4'
<i>Echinacea purpurea</i> *	Purple Coneflower	July-Sept.	Purple	3-4'
<i>Lobelia cardinalis</i>	Cardinal Flower	July-Sept.	Red	2-5'
<i>Lobelia siphilitica</i>	Great Blue Lobelia	July-Sept.	Blue	1-4'
<i>Monarda fistulosa</i> *	Wild Bergamot	July-Sept.	Lavender	2-5'
<i>Polemonium reptans</i>	Jacob's ladder	Spring to Summer	Blue	12-15"
<i>Potentilla norvegica</i>	Rough Cinquefoil	Late Spring to Fall	Yellow	4-36"
<i>Rudbeckia subtomentosa</i> *	Branching Coneflower	July-Sept.	Yellow	2-4'
<i>Sagittaria latifolia</i> *	Arrowhead	Summer	White	1-5'
<i>Silphium perfoliatum</i> *	Cup Plant	Summer	Yellow	3-10'
<i>Stylophorum diphyllum</i>	Celandine Poppy	May-July	Yellow	12-18"
<i>Veronicastrum virginicum</i>	Culver's Root	July-Aug.	White	3-6'
<i>Carex muskingumensis</i>	Palm Sedge	Spring	Red-brown	2-3'
<i>Cinna arundinacea</i>	Common Wood Reed (grass)			
<i>Elymus virginicus</i>	Virginia Wild Rye (grass)			
<i>Carex grayi</i>	Gray's Sedge	Summer	Green	1-2'
<i>Zizia aurea</i> *	Golden Alexanders	May-June	Yellow	2-4'

Light Preference: Sun

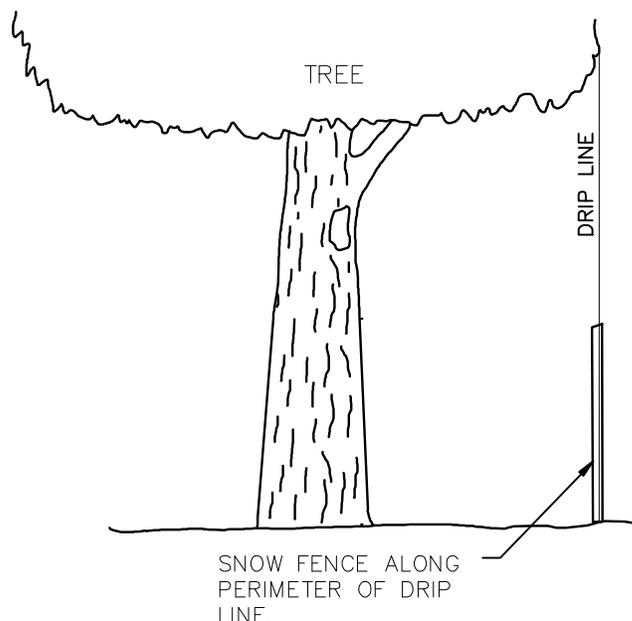
Botanical Name	Common Name	Bloom Time	Bloom Color	Height
<i>Asclepias incarnata</i>	Swamp Milkweed	June-July	Red, Pink	3-5'
<i>Aster laevis</i>	Smooth Aster	Aug.-Oct.	Blue	1-4'
<i>Aster nova-angliae</i>	New England Aster	Aug.-Oct.	Pink, Purple	3-6'
<i>Caltha palustris</i>	Marsh Marigold	April-May	Yellow	1-2'
<i>Chelone glabra</i>	White Turtlehead	July-Oct.	White, Purple	1-3'
<i>Eupatorium purpureum</i>	Joe-Pye Weed	July-Sept.	Pink	3-5'
<i>Iris virginica shrevei</i>	Blue Flag Iris	June-July	Blue	2-3'
<i>Liatris spicata</i>	Marsh Blazing Star	July-Aug.	Purple, Pink	3-5'
<i>Monarda didyma</i>	Bee Balm	Summer	Red	2-5'
<i>Penstemon digitalis</i>	Smooth Penstemon J	June-July	White	2-3'
<i>Solidago ohioensis</i>	Ohio Goldenrod	Aug.-Sept.	Yellow	3-4'
<i>Vernonia fasciculata</i>	Ironweed	July-Sept.	Red, Pink	4-6'
<i>Andropogon gerardii</i>	Big Bluestem	Sept.-Oct.	Gold, Blue	4-8'
<i>Carex vulpinoidea</i>	Fox Sedge	May-June	Green	1-3'
<i>Panicum virgatum</i>	Switch Grass	Aug.-Sept.	Green, Gold	3-6'
<i>Spartina pectinata</i>	Prairie Cord Grass	Aug.-Sept.	Green, Gold	3-7'
<i>Helenium autumnale</i>	Sneezeweed	July-Sept.	Yellow	1-3'
<i>Physostegia virginiana</i>	Obedient Plant	July-Aug.	Pink	3-4'
<i>Solidago ridellii</i>	Riddell's Goldenrod	Aug.-Sept.	Yellow	3-4'
<i>Silphium terebinthinaceu</i>	Prairie Dock	July-Sept.	Yellow	2-10'
<i>Tradescantia ohiensis</i>	Spiderwort	May-June	Blue	1-3'

* Indicates partial shade and sun plants which could also function well in full sun areas.

Planting tips:

- Space plants at least 12-18" apart as most native plants mature to a large size within 1-2 years after planting.
- Include at least 25-30% grasses or sedges interspersed throughout the garden. They provide structure and support for some of the larger forbs which need the support.
- Generally, place the taller plants towards the back of the rain garden and shorter plants towards the front. If there's no clear front and back then place the taller plants towards the center and the shorter plants towards the periphery.
- During routine weeding and maintenance, be particularly attentive to removing invasive species of plants like Canada Thistle, Teasel, and Red Canary Grass - they can quickly take over new plantings if not controlled.

NATIVE
PLANTING LIST
Village of Wilmette
Engineering Department
847.853.7660



NOTES:

1. EXISTING VEGETATION WHICH IS 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 WITHIN THE DRIP LINE OF THE EXISTING VEGETATION CANOPY, EXCESS FOOT OR VEHICULAR TRAFFIC OR PARKING OF VEHICLES WITHIN THE DRIP LINE OF THE VEGETATION.
2. ALL TREES TO REMAIN SHALL BE PROTECTED WITH A SNOW FENCE INSTALLED AROUND THE PERIMETER OF THE TREES DRIP LINE, WITH STURDY STEEL POLES SET 3' ON CENTER ALONG THE FENCE. ANY CONSTRUCTION INSIDE THE DRIP LINE OF THE TREE REQUIRES INSPECTION FOR POSSIBLE ROOT PRUNING PRIOR TO THE EXCAVATION. ROOT PRUNING MAY BE NECESSARY IN ORDER TO LESSEN THE IMPACT OF DAMAGE TO THE VEGETATION'S ROOT SYSTEM.
3. EXISTING VEGETATION WHICH IS TO REMAIN IN PLACE SHALL BE WATERED A MINIMUM OF 1" OF WATER PER WEEK. WATERING SHALL COVER THE ENTIRE ROOT SYSTEM WITHIN THE TREE'S DRIPLINE EXTENDING OUT TO ITS DRIPLINE. WATERING IS REQUIRED AS TO HELP MAINTAIN ITS HEALTH DURING THE COURSE OF CONSTRUCTION OPERATIONS.
4. PROTECTION SHALL BE PROVIDED FOR ROOTS OVER 1-1/2" WHICH ARE CUT DURING CONSTRUCTION OPERATIONS. WHENEVER SUCH A ROOT IS CUT, THE CUT FACES SHALL BE COATED WITH A PRUNE WOOD DRESSING OR OTHER ACCEPTABLE COATING SPECIALLY FORMULATED FOR HORTICULTURAL USE ON DAMAGED OR CUT PLANT TISSUES. ALL EXPOSED ROOTS SHALL BE TEMPORARILY COVERED WITH WET BURLAP TO PREVENT THE ROOTS FROM DRYING OUT. EXPOSED ROOTS SHALL BE PROVIDED WITH SOIL COVER AS SOON AS POSSIBLE.
5. VEGETATION THAT BECOMES DAMAGED BY CONSTRUCTION OPERATIONS SHALL BE REPAIRED OR REPLACED IN A MANNER ACCEPTABLE TO THE VILLAGE.
6. DAMAGED TREES SHALL BE REPAIRED BY AN ISA CERTIFIED ARBORIST. DAMAGED TREES WHICH CANNOT BE REPAIRED AND RESTORED TO FULL GROWTH STATUS, AS DETERMINED BY THE VILLAGE AND/OR THE CERTIFIED ARBORIST, SHALL BE REPLACED WITHIN A TIME PERIOD STATED BY THE VILLAGE.

NOT TO SCALE

TREE PROTECTION DETAIL

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REVISED: 01-25-10