



Butterfly/Native Pollinator Wildflower Plant List	Quantity (2" plug)			
	Park Resident Area			
Achillea millefolium Common Yarrow	25 25			
Aquilegia canadensis Wild Columbine	25 25			
Asclepias tuberosa Butterfly Weed	25 75			
Aster cordifolius Blue Wood Aster	25 75			
Aster divaricatus White Wood Aster	50 50			
Aster novae angliae New England Aster	25 75			
Aster laevis Smooth Aster	35 75			
upatoriadelphus maculatus Joe Pye Weed	25 75			
upinus perennis Lupine	25 75			
Aonarda fistulosa Wild Bergamot	25 75			
Rudbeckia hirta Black-eyed Susan	25 75			
Solidago speciosa Showy Goldenrod	25 75			

Rudbeckin hrts Black-god Sama Solidaga access Samy éldérares PLATTER NOTES PLATTER PLA

ANT LTST BY FNVTRO	NMENTAL PLANNING SEP	VTCES				
rees		Quantity	Size	Root		
R Acer Rubrum Red	Maple	2	15" cal	Cont.		
AL Cornus alternifolia	Alternativ-leaved Dogwood	2	6'	Cont		
F Cornus florida	Flowering Dogwood	4	6'	Cont.		
V Juniperus virginiana	Red Cedar	4	6'	Cont.		
S Nyssa sylvatica	Black Gum	3	1.5" cal	Cont.		
P Quercus palustris	Pin Oak	1	2" cal	Cont.		
O Thuja occidentalis hrubs	Emerald Green Arborvitae	8	1,5° cal	Cont,		
c Amelanchier canadens	s Shadblow	1	3-4'	Cont.		
, Kalmia latifolia	Mountain Laurel	12	3-4'	Cont,		
L Spiraea latifolia	Meadowsweet	24	2-3"	Cont,		
D Viburnum dentatum	Arrow-wood	5	3-4'	Cont.		
p Quercus Palustris EED MIXES	Pin Oak	3	1,5" cal	. Cont.		
cological Lawn Seed Mix						
5 parts Coastal Lawn N 30% Spart	lixture from Chas Hart Comp an II Hard Fescue	any:				
30% Wind	ward Chewings Fescue					
30% Garne	t Creeping Red Fescue					
10% Trans	ist 2200 Intermediate Ryegr	nass				
1 part Azay Sheep res	tue					
ew England Wildtlower	Wix					
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PROPERTY LOCATION: SOUTH ORANGE CENTER ROAD; ORANGE, CONNECTICUT LIPROJECT DESCRIPTION: This project proposes the construction of an opartment building containing 54 residential units consisting of studio and one-bedrooms. The property contain 15 ares and is located at the end of Fairchild Avenue on the east side of the road. It is bordered on the north by at the end of that that the series of the end and the total. It is donideed on the tork thop the Rooster River. The site is currently vacant and a small topoll processing operation is be run on the southern portion of the site. A tidal wetland boundary was delineated by Environmental Planning Services and located by the project surveyor. Field topographic data was obtained in the field along with the location of all other man-made improvements on and adjacent to the site. It is anticipated that construction will commence in the late Fall of 2011 or Spring of 2012 after

all necessary land use approvals have been obtained from the Town of Fairfield 1.2 ESTIMATED DISTURBANCE AREA: It is estimated that 0.90 acres will be disturbed for the construction of the building, driveway

If it definition that up out to an it to be a set of the set of participation of parking areas.
 Is ROSION CONTROL MEASURES:
 Due to the flatness of the site and the minimal grading proposed, the following ension control

- Siltation fence barriers will be installed downgradient of all proposed grading activities. - A construction entrance will be installed at the intersection of the site driveway and

A construction entrouce will be instance on the intersection of the site of weaky and Fairchild Avenue to prevent the tracking of dirt and the road,
 A temporary stockpile will be used during the construction period. The stockpile will be surrounded by staked siltation fence barriers.

1.4 CONSTRUCTION PHASES:

This project will be done in two phases. The first phase shall consist of the the installation of the building & underground utilities. The second phase will consist of the construction of the permeable pavement system.

15 CONSTRUCTION START DATES

Construction on the site will likely commence within 60 days of ter all requiried local land use approvals have been obtained from the Town of Fairfield assuming weather conditions permit. It is anticipated that all work will be completed with six months from commencement date.

an work win be completed with six monits from commencement care. 1.6 DESIGN INFORMATION: There is no required design information for the erosion control measures on the site. Maintenance requirements for the erosion control measures are part of this narrative.

17 OTHER PERMITS:

1/ UTER PERMITS As the site disturbance is well under 1 acre, no additional permits are required for this project. The owner of record shall be responsible for retaining a Licensed Professional Engineer or Certified Ersonia Sediment Control Specialist in topsech the site weakly in accordance with the CT DEP guidelines. Monitoring reports shall be prepared and filed with the owner, contractor, and the Planning and Coming Commission.

1.8 CONSERVATION PRACTICES:

Lo CONSERVATIONSERVATIONSET Labor Site distrubance has been minimized to reduce potential soil disturbance. Less soil disturbance leads to less potential erosion and/or sedimentation issues. The site design incorporates one Low Impact Development strategy, which is the use of Permeable Pavement for the majority of the av and parking area. The pavement system incorporates a filter course to remove pollutants

from the post-development runoff 1.9 DOCUMENT LIST: 1. Storm Water Management Report

3. Project Plan Set comprised of Sheet 1 thru 3 of 3.

2.1 HYDRAULIC CALCULATIONS: The Stormwater Management report contains the hydraulic design process for the permeable pavement system as well as the convertional drainage system to be used for the lower portion of the driveway. The report also contains a pollutant renovation analysis which demonstates that reduction of pollutant loads from report fals contrains a period of the permeable powement system has been sized to fully contain the runoff. The stone reservoir layer of the permeable powement system has been sized to fully contain the runoff from the majority of the parking area as well as the roof area below the invert of the underdrain pipe.

Two borings were conducted within the footprint of the proposed building by Soil Testing of Oxford. These results are found in an appendix of the stormwater management report.

CONSTRUCTION PHASES

PHASET

 Trees and brush within the limits of the driveway, parking and building locations shall be cleared. Brush shall be chipped into mulch for use on the walkways as shown on the site plan. 2. Install perimter siltation fence barriers in those locations as shown on the site plan and in accord with the attached detail

The attached detail. 3. Toppoil shall be removed from the new driveway location at its intersection with Fairchild Avenue. The Construction Entrance shall be installed at this time and in accord with the submitted detail. 4. Toppoil shall be removed and placed in the stockpile location as shown on the site plan. The stockpile shall be surrounded by a siltation fence barrier as shown.

5. Construction of the building shall commence at this time in accord with plans approved by the Town Construction of the backing share construct to the construction of the field backing Department.
 Once the foundation has been installed, the underground utilities from Fairchild Avenue shall be

 Once the two-momentum provided in the two-momentum provided at this time in accord with the requirements of the two-momentum provided in the two-momentum provided at this time in accord with the requirements of the two-momentum provided at this time in accord with the requirements of the two-momentum provided at this time in accord with the requirements of the two-momentum provided at this time. All underground utilities shall be backfilled and sufficiently compacted to prevent settlement of the soil.

an under grand unmernet patch shall be made for any utility in which crossed Farchild Avenue.
 Construction shall continue on the building at this time.
 The compensating food storage area shall be regraded per the approved plan. The new trees and landscaping shall be installed in this area to create a "pocket park".

PHASE TT:

PMASE II. 1. Excavate area of proposed driveway and parking facility where permeable pavement is to be installed to the required adoptade elevation. 2. Scarrly bottom of side will of excaveted area as needed to eliminate soil smearing resulting from the excavetion. 3. Contruct permeable powerent section in accordance with the detail adown on the approved plane and in accordance with the construction procedure so attribute in the University of New Honghite specifications for permeable powerent. 4. Install trench drain, catch basin and oil/grit separator at bottom of proposed driveway and make drainage connection

Instain trench andi, actic basin and aurgint separation of bottom or propose anywerky and make an angle contraint to existing actic bottom onest side of Parifeld Averue.
 Grade lower drivenky and parking area per the approved plan and install standard bituminous pownent per approved crass sections. Repringements of an drivenky and stormwater management facilities, aver with a minimum

of 4" of topsoil, seed and mulch.

MAINTENANCE OF EROSION CONTROL MEASURES: MALTICIDATES OF INSULATION ROLE IN REASONS.3 1. Silitation fence barriers: Silitation fence barriers shall be inspected every month during the active construction period. Fallen or ripped fence shall be repaired or replaced at the time of observation. Accumulated sediment shall be removed from above the silitation fence when the height of the sediment is greater than 6th in depth 2, Construction Entrance: The construction entrance shall be inspected monthly to ensure that the stone has not become clogged with dirt and/or mud. Additional rushed stone shall be added to the construction entrance to maintain its functionality MAINTENANCE FOR STORMWATER MANAGEMENT SYSTEMS:

a, No sand shall be applied to the pavement surface during the winter. b. A leaf blower shall be used to remove any accumulated litter or organic debris on an as needed basis

WINTER MAINTENANCE FOR PERMEABLE PAVEMENT/POROLIS CONCRET VINTER MAINTENNEE FOR HRIME-MALE MAYEMEN INTRACIJA GUNARE (E 4. MPY ANTI-LEND TREATINENTS FORCA TO SANO MENTS AS NEEDED 2. HOW AFTER EVERY STOOM, RAISED BLADE IS NOT RECOMMINENDED, 3. DONTO AMY, SAND TO FERBLARE LISIAFCA EATRES SANO FENTIFERE 4. ADDITIONAL DE-ICINAI TREATMENTS CAN BE AMPLED DURING SNOW EVENT AFTER JOUTION ANS OCCURRED.

ADDITIONAL DE LICINE IREA INDRVI 3 ANNA - ANTERIA DURINA DES COLORES
 ANOUNT OF DE-LICINE TREAT MENT SHALL BE ADJUSTED BASED UPON
 DISERVITORIS OF SINOW MELT OR NERVELIE SUPARCE
 NON-WIDTER MADITEMANE
 USE RECERVENT RAIL DE LECT VACUUM TRUCK TO LECH IERMENLE
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 USE RECEIVENT AND MAN ME ADJUSTED AFTER DISERVITIVE THE

SURFACE QUARTERLY. (PREQUENCY OF VACUUMING MAY BE ADJUSTED AFTER OBSERVING THE AMOUNT OF SEDIMENT REMOVED DURING EACH QUARTERLY OFERATION BY THE DESIGN PARIMISEN

IN THE DESIGN ENABLERRY 2. USE LEAF LOWERS AS NEEDED DURING THE YEAR TO REMOVE ORGANIZ DEBRIS FROM THE PRIMEABLE SUPFACE NOTE: REFER TO UNHER DOCUMENT TO WINTER MAINTENANCE GUIDELINES FOR PRODUS ASHINAL'T FOR MORE INFORMATION (JUNE 2011)

Trench Drain: The trench drain shall be inspected twice a year. Any accumulated

2. Trench Drain: The trench drain shall be inspected twice a year. Any accumulated sediment or debris shall be removed from the drain.
3. Deep Sump Catch Basin: The deep sump catch basin shall be inspected twice a year, in the Spring and in the Fall. Accumulated sediment shall be removed when the depth of the drain the depth.

is 24" (50% of the sump depth). is 24° (003 or the samp agent). A (oli/Grit Separator: The oli/Grit separator shall be inspected twice a year. Sediment shall be removed from the first chamber when the depth is greater than 12°. Due to the limited drainage area to the separator: floatables such as alis & grease shall be removed by a qualified environmental firm every three years as needed.

Py evented unit interminant initiality in the year's of include. Pun OBJECTIVES AND REINCEPLAS. The objectives of the Soil Forsion and Sediment Control Plan are to manage both the runoff and the earthwork operations by using Bett Management Procisicas. a. Control ension at its source with temporary control measures, minimize the runoff from areas of disturbance, distributes atomwater the temporary control measures, minimize the runoff from areas of bisturbance, distributes atomwater the temporary control measures, minimize the runoff from areas of bisturbance, distributes atomwater the temporary control measures, minimize the runoff from areas of the source of the source

impacts to wetlands,

c. Construct the project in phases to minimize the area of the site under active construction at one time. d. Retain existing vegetation wherever feasible. Siltation fence or other barriers will be used to limit the

extent of earthwork e. Stabilize disturbed areas as soon as practical. Earth disturbance shall not occur on a given area until

active construction is to take place in this area, f. Minimize the length and steepness of slopes,

q. Maintain low runoff velocities,

Trap sediment on site. Siltation fence barriers and driveway construction entrance will trap sediment during the construction period.

the construction period. i. Establish construction period. Environmental environment

on all inspection reports prepared on behalf of the project,

CONTROL PLAN IMPLEMENTATION:

1. The contractor shall inspect the effectiveness and condition of erosion control devices during storm events The contractor shall inspect the effectiveness and condition of ension control devices during storm events, and effere sch nichallowent of OP or more, prior to weakends and prior to fracesatel large storm events.
 The contractors shall require or replace damaged ension control measures immediately, and in case, more than four hours affer observing such deficiencies.
 The contractors shall be prepared to implement interm drainage controls and ension control measures at may be necessary during the course of contracturation.

4 The constactor shall make available on-site all equipment materials and labor necessary to effect emergency.

4. The constant or shall make available on-site all equipment, materials and labor necessary to effect emerge erasion control messures within four hours of any impending emergency situation, 5. The controct shall make a final inspection, clean all cross culters to ad sweep off roadways before the drainage improvements on Fairchild Avenue are turned over to the town.

6. The contractor shall have on call at all times, a responsible representative who, when authorized, will mobilize

the necessary personnel, materials and equipment and otherwise provide the required action when notified The necessary personne, mistenas and equipment and a interwise provide the required action when mattered of any impacting amergency statution. 7. The contractor shall apply a telephone number to the town engineer, planning agent so that the contractor may be contracted during the evenings and on weekends; increasary. 8. The contractor shall maintain a minimum of 150 lf of silt fence, 30 straw bales and 1 ton of modified riprop

on the site for use during emergencies during the development of the project.

GENERAL EROSION AND SEDIMENTATION CONTROL PLAN NOTES:

emposed. Devision Has the shall down in a who in more a to prevent stagement water from collecting in depressions. 2. All erasion and sedimentation control measures will be installed prior to the start of any construction activity. 3. All erasion and sedimentation control measures will be constructed in accomposed with the submitted construction detailed and in compliance with the specifications and standards from 3.0 M and the "Guidelines for Soil Erasion and Sediment Centrol" as prepared by the Shite of Connecticity, revised to 20.0.

4. Siltation fence barriers will be installed at the limit of all disturbed areas. Staked straw bales, will be utilized as necessary during the construction period. All work done shall be in accordance with the details shown on the plans. 5. Land disturbance will be kept to a minimum. Restabilization of all disturbed areas will occur as soon as

final grading in complete. 6. All erosion and sedimentation control measures will be maintained in an effective conditions throughout the construction period

7. Accumulated sediment will be removed from the control structures and disposed of in a lawful and safe manner 8. Additional control measures will be instanted trailed during the construction period if the Sonig or Wetland Enforcement Officer requires them. The design engineer shall inspect the site periodically to ensure the proper installation of erosion control measures. 9. Regular inspections of the construction site shall be made by a representative of the Town of Fairfield and a

y, seguir impactions or the continuation are shall be made by a representative or the isome or particular parts professional relations by the owner to assure compliance with the approved bint. If the approved bint is the service of the service strains are assured as the service of the service strains and adjustives of the tapport the tapport set to an agencies of any transfer of the requirements and adjustives of the plan, instring the approvale to an agencies of any transfer of the requirements and adjustives of the plan, instring the appropriate to an agencies of any transfer of the requirements and adjustives of the plan, instring the appropriate to an agencies of any transfer of the requirements and adjustives of the resist adjustives of the resist and adjustives of the resist adjustives of the resist adjustives adjustives adjustives of the resist adjustives of the r



2 % OR GREATER

DIVERSION RIDGE REQUIRED WHERE GRADE EXCEEDS 2%

SECTION A - A

EXTRA STRENGTH FILTER FABRIC

ATTACH FILTER FABRIC SECURELY TO UPSTREE

SILT FENCE Violators will be fined Min. \$116 £ 24" ANDICAPPEL STATE PERMIT 18 HANDICAPPED PARKING SIGN

NOT TO SCALE

11.01

21.01

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10/10/11

Rev.

2011;

NOT TO SCALE

Note: See Cross Section thru Permeable Pavement for depths of reservoir layer

CROSS SECTION OF PERMEABLE PAVEMENT NOT TO SCALE

servoir Course: 6 - 18" layer of 3/4" washed crushed stone with 🏠

-4" diameter perforated underdrain at top of reservoir layer

http://www.unh.edu/erg/cstev/pubs_specs_info/unhsc_pa_spec_10_09.pdf

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Filter Course: 8" of Bank-run sand and grave

ilter Blanket: Intermediate settling bed: 3" thickness of 3/8" pea grav



EROSION CONTROL / LAND SCAPE SHEET 2 OF 4 PROJECT #023-2011 SCALE: 1" = 20' DATE: AUGUST 16, 2' PREPARED FOR GARDEN HOMES MANAGEMENT FAIRCHILD AVENUE FAIRFIELD - CONNECTICUT

