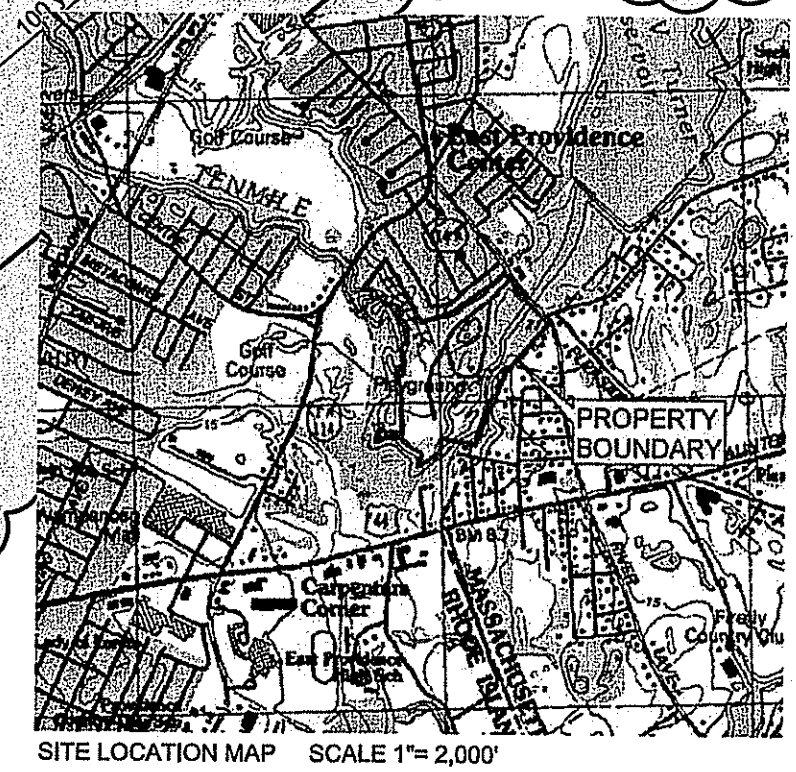


Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED October 23, 2009 FILE # 09-0291
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE.

- LEGEND**
- SELECTIVE CLEAR/ OPEN WOODS (SEE ATTACHED NOTES)
 - CLEAR AND GRUB FOR LAWN. ISOLATED TREES TO REMAIN (SEE ATTACHED NOTES)
 - EXISTING CONTOUR
 - RIVERS EDGE/ FLAGGING
 - PROPERTY LINE
 - 100 YEAR FLOODPLAIN ACCORDING TO FEMA
 - 200' RIVERBANK
 - WETLAND EDGE/ FLAGGING
 - SILT FENCE EROSION CONTROL
 - LIMITS OF DISTURBANCE (L.O.D.)
 - FLAG AT CENTERLINE OF TRAIL
 - EXISTING TREELINE
 - EXISTING PAVED AREAS
 - EXISTING TREE
 - EXISTING SHRUB
 - EXISTING CHAIN LINK FENCE
 - EXISTING PICNIC TABLES
 - OHW
 - EXISTING OVERHEAD WIRE
 - EXISTING WATER LINE
 - EXISTING GAS LINE



Bradford ASSOCIATES LANDSCAPE ARCHITECTURE
 25 Creighton Street
 Providence RI 02906-1518
 TEL: 401 521.6867
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City of East Providence, Rhode Island
HUNTS MILLS
 Hunts Mills Road-off Pleasant St.
 Map 505 Block 010 Parcel 01.00
 July 31, 2009
 Scale: 1"=50'-0"



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 AUG 26 2009
 ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES

LOW ENVIRONMENTAL IMPACT TRAIL

Description:

The low impact trail will be a pathway through existing woods 10 to 60 feet from the river or tailrace wetland edge. Approximately 300 feet of the trail is an existing path, 400 feet is through wooded edges of an abandoned fire department training yard, and the remaining trail will be through existing woods.

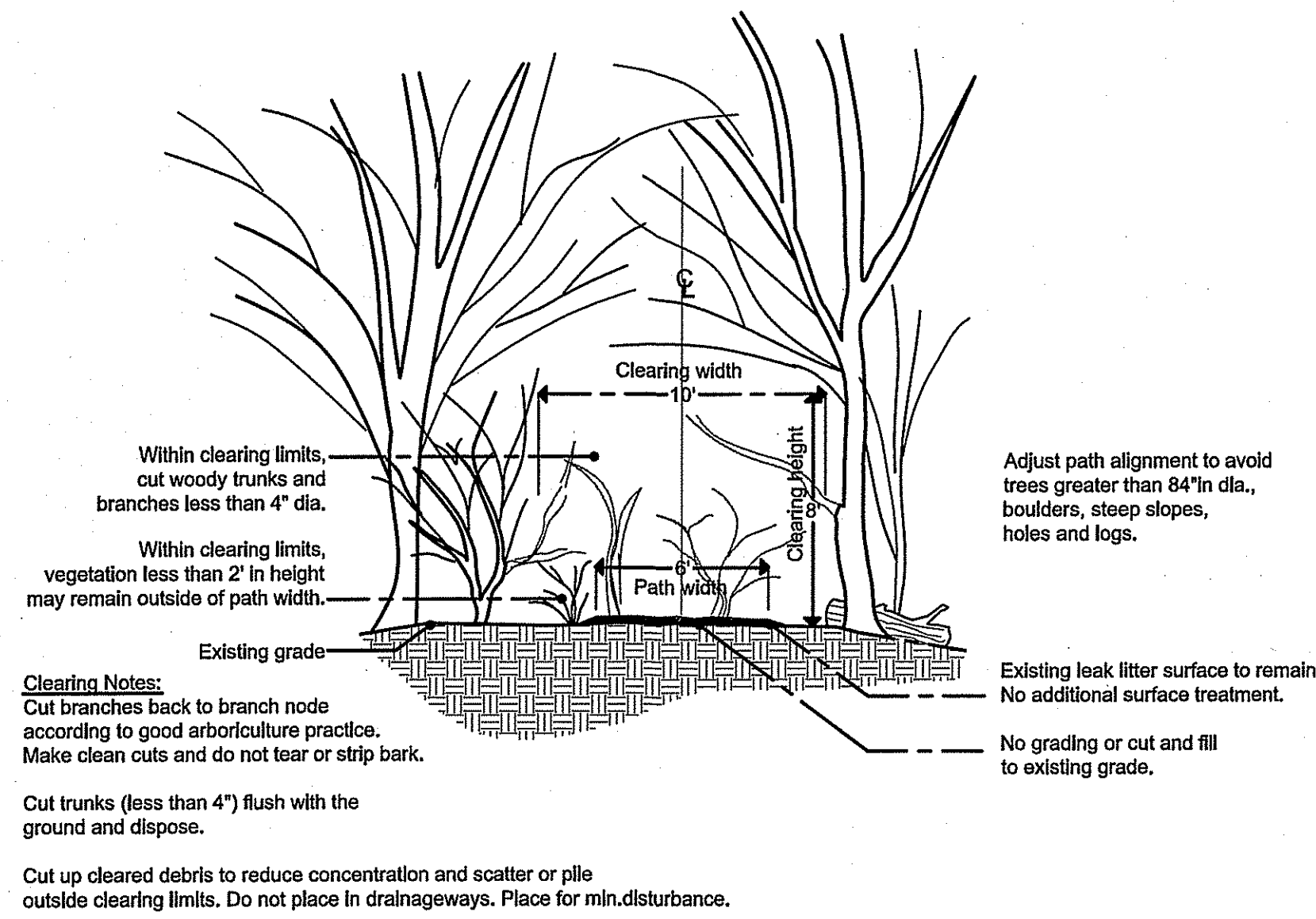
This work consists of cutting and disposing of brush and small trees less than 4" inches as measured 6" above the ground. See detail drawing.

Construction:

1. The work area will be accessed by foot from existing driveways.
2. The trail alignment will be as shown on the plan with adjustments to avoid trees greater than 4" diameter, native shrubs, boulders, logs, or erodable side slopes.
3. The clearing limits and cutting shall be as indicated on the detail drawing.
4. Disposal of vegetative material
Branches will be cut in manageable lengths and scattered adjacent to the trail or piled in brush piles adjacent to the path which ever will cause less disturbance to the adjacent vegetation.
5. There will be no grading or removal of surface vegetation or leaf litter.

Monitoring of Low Environmental Impact Trail clearance work

The work will be done by volunteers organized in work groups monitored by the landscape architect and City staff.



WOODLAND EDGE TRIAL

Description:

The woodland edge trail is predominantly along the edge of the selective clear area in an area of invasive shrubs and immature woodlands with trees typically under 8" in diameter.

The intent of the work is removal of smaller trees and brush to make a trail primarily for walkers but occasionally used by small maintenance vehicles.

This work consists of cutting and removal of brush and isolated trees in 4-12" inches dbh minimal grading and spreading chipper mulch for the path surface. See detail drawing.

The work includes preservation from injury or defacement of all vegetation designated to remain and objects outside the clearing limits. No existing pavement will be removed.

Construction Methods:

1. The work area will be accessed from existing driveways. The staging area shall be within the designated clear and grub area or existing driveways.
2. The path alignment will be adjusted to avoid larger trees, boulders or other elements or areas of special vegetative or historical interest.
3. Trees shall be cut flush with the ground and branches cut within the clearing limits. See detail drawing.
4. Disposal of vegetative material
The contractor shall chip trees and brush on site. Chipper material shall be spread for trail surface. Excess material shall be stockpiled on site in the abandoned public works storage area or in a location approved by the owner's representative.
5. Disposal of non vegetative, man-made materials and debris.
Debris shall be disposed of off site.
6. Protection of evidence of previous landuse.
If footings and other remnants of sheds or other buildings are encountered in the course of the trail clear operations, the work in that location shall be stopped and the owner's representative shall be notified. The owner's representative will then determine if that immediate area should be protected from further disturbance.

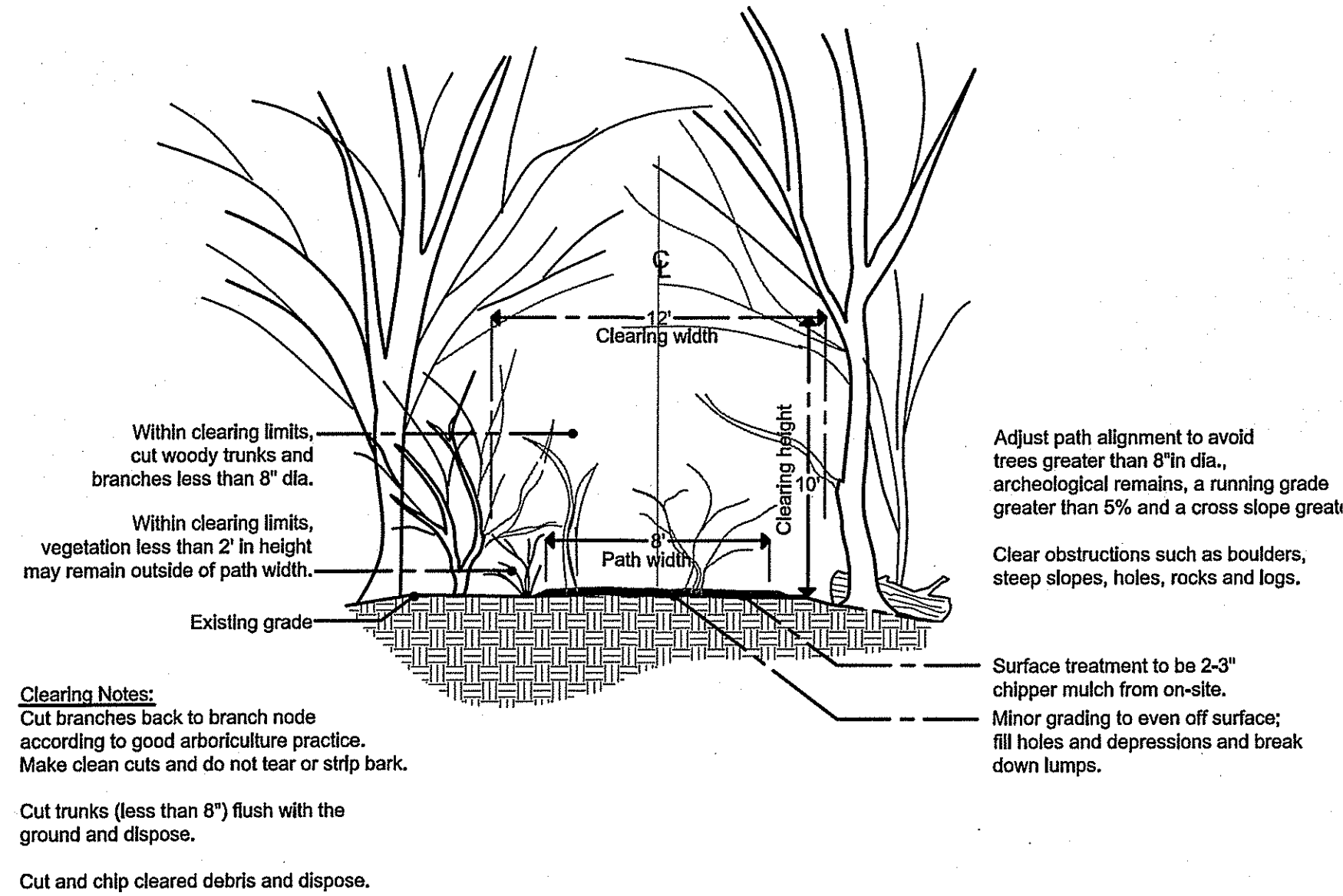
Any items of historical interest, items relating to the previous landuses of the site, found on the site shall remain property of the owner.

GENERAL NOTES

1. BASE PLAN INFORMATION WAS COMPILED FROM (3) SURVEYS, TWO PROVIDED BY NATIONAL LAND SURVEYORS, INC. OF WOONSOCKET, RI, OBTAINED BY ONSITE SURVEY BETWEEN MAY 20 TO JUNE 5, 2009 AND JULY 21 TO JULY 23, 2009. THESE SURVEYS AND PLANS CONFORM TO CLASS 1 STANDARDS AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS, THE TRURO SURVEY PROVIDED BY VANASSE, HANGEN, BRUSTLIN INC. OBTAINED BY ONSITE SURVEY ON APRIL 14, 2009. THIS SURVEY AND PLAN CONFORM TO CLASS 3 STANDARDS AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.
2. WETLAND DELINEATIONS WERE PERFORMED BY PARE CORPORATION ON MAY 19, JULY 1, AND JULY 7, 2009. WETLAND FLAGS WERE LOCATED BY GROUND SURVEY, WITH THE EXCEPTION OF THE FOLLOWING FLAG SERIES THAT WERE SET AT A LATER TIME AND LOCATED USING A HANDHELD GPS UNIT: C1-C9; D1-D15; E1-E12; F1-F4; S1-S-34; R300-R332; AND R400-R428. THE GPS UNIT LOCATED ALL FLAGS TO AN ACCURACY OF UNDER 1 METER.
3. ACCORDING TO THE FEMA FLOOD INSURANCE RATE MAP FOR EAST PROVIDENCE (COMMUNITY-PANEL 44007C 0328G, REVISED MARCH 2, 1989), THE SITE IS LOCATED WITHIN FLOOD ZONE X, AREAS OUTSIDE THE 100-YEAR FLOODPLAIN. LIMITS OF THE RIDEM FLOODPLAIN HAVE NOT BEEN CALCULATED IN THIS LOCATION.
4. SOIL EROSION AND SEDIMENTATION CONTROLS SHALL BE PROVIDED IN ACCORDANCE WITH THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING OR INSTALLING ALL TEMPORARY SEDIMENT AND EROSION CONTROLS AS SHOWN ON THESE PLANS AND SHALL MAINTAIN ALL EROSION CONTROL MEASURES AS NECESSARY DURING THE ENTIRE CONSTRUCTION PERIOD.

LOW ENVIRONMENTAL IMPACT WALKING TRAIL

Scale: NTS



WOODLAND EDGE TRIAL

Scale: NTS

EROSION CONTROL NOTES

1. SOIL EROSION AND SEDIMENTATION CONTROLS SHALL BE PROVIDED IN ACCORDANCE WITH THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING OR INSTALLING TEMPORARY SEDIMENT AND EROSION CONTROLS AS SHOWN ON THESE PLANS.
2. REQUIRED SEDIMENTATION CONTROL FACILITIES MUST BE PROPERLY ESTABLISHED, CLEARLY VISIBLE AND IN OPERATION PRIOR TO LAND CLEARING AND GRUBBING. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES AS NECESSARY DURING THE CLEARING AND GRUBBING ACTIVITIES.
3. INSTALLATION OF THE EROSION CONTROL BARRIER AS ILLUSTRATED IS INTENDED TO REPRESENT THE MINIMUM SEDIMENTATION CONTROL FACILITIES NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
3. THE CONTRACTOR SHALL CLEAN AND MAINTAIN EROSION CONTROL BARRIER WHEN SEDIMENT ACCUMULATES TO ONE THIRD THE HEIGHT OF SILT FENCE. MATERIAL COLLECTED FROM THE SILTATION BARRIERS SHALL BE REMOVED AS NECESSARY AND DISPOSED IN AN UPLAND AREA.

CLEARING AND GRUBBING

Description:

The area designated for clear and grub is predominantly immature woodlands with trees under 8" in diameter. A paved walkway crosses the area and although not obvious, there may be footings and other remnants of sheds or other buildings.

This work consists of cutting, removal from the ground, and disposing of trees, stumps, brush, roots and other vegetation and debris in the designated area which will interfere with subsequent development of this area as open lawn. The work includes the preservation from injury or defacement of all vegetation and objects outside the clearing limits. Existing pavement will not be removed.

Construction Methods:

1. The work area will be accessed from existing driveways. The staging area shall be within the designated clear and grub area or driveway as approved by the owner's representative.
2. All trees, stumps, brush and roots not designated to remain shall to cleared and grubbed.
3. After clearing and by the end of each days grubbing operation, the contractor shall install erosion control measures as indicated on the plans.
4. Stumps shall be removed to 6" below final grade. Stump holes and other holes from which obstructions are removed shall be backfilled with like materials as directed by the owner's representative.
5. Disposal of vegetative material
The contractor shall chip slash and brush on site. Chipper material shall be stockpiled on site in the abandoned Department of Public Works storage area or other location approved by the owner's representative.
- Timber/cord wood shall be the property of the contractor.
6. Disposal of non vegetative, man-made materials and debris.
Debris shall be disposed of off site.
7. Protection of evidence of previous landuse.
If footings and/or other remnants of sheds or other buildings are encountered in the course of the clearing and grubbing operations, the work in that location shall be stopped and the owner's representative shall be notified. The owner's representative will then determine if that immediate area should be protected from further disturbance.

SELECTIVE CLEAR

Description:

The area designated for selective clear is predominantly immature woodlands with trees under 12" in diameter. A paved walkway crosses the area and although not obvious, there are footings and other remnants of sheds or other buildings.

The intent of the work is removal of smaller trees and brush to make open woods.

This work consists of cutting and removal of isolated trees in excess of 4 inches as measured 6" above the ground and designated areas of brush. The work includes the preservation from injury or defacement of all vegetation designated to remain and objects outside the clearing limits. Existing pavement will not be removed.

Construction Methods:

1. The work area will be accessed from existing driveways. The staging area shall be within the designated clear and grub area or existing driveways.
2. The trees to remain will be those so designated on plans and/or marked in the field by the owner's representative. These will include larger healthy trees, smaller trees selected for diversity and good potential for growth, and native shrubs. Trees and brush shall be removed for the purpose of relieving competition to larger trees and native shrubs and thinning out smaller trees. Trees to be removed shall be marked by the owner's representative.
3. Trees shall be cut flush with the ground.
4. Disposal of vegetative material
The contractor shall chip slash and brush on site. Chipper material shall be stockpiled on site in the abandoned public works storage yard or a location approved by the owner's representative.
- Timber/cord wood shall be the property of the Contractor.
5. Disposal of non vegetative, man-made materials and debris.
Debris shall be disposed of off site.
6. Protection of evidence of previous landuse.
If footings and other remnants of sheds or other buildings are encountered in the course of the selective clear operations, the work in that location shall be stopped and the owner's representative shall be notified. The owner's representative will then determine if that immediate area should be protected from further disturbance.

TERRACE GARDENS

Terrace gardens will be developed in an approximately ¼ of an acre area of the woodland north west of and adjacent to the Historic Hunt House. The intent is to selectively clear the area for gradual development of the area as woodland gardens of large trees, shrubs and perennials.

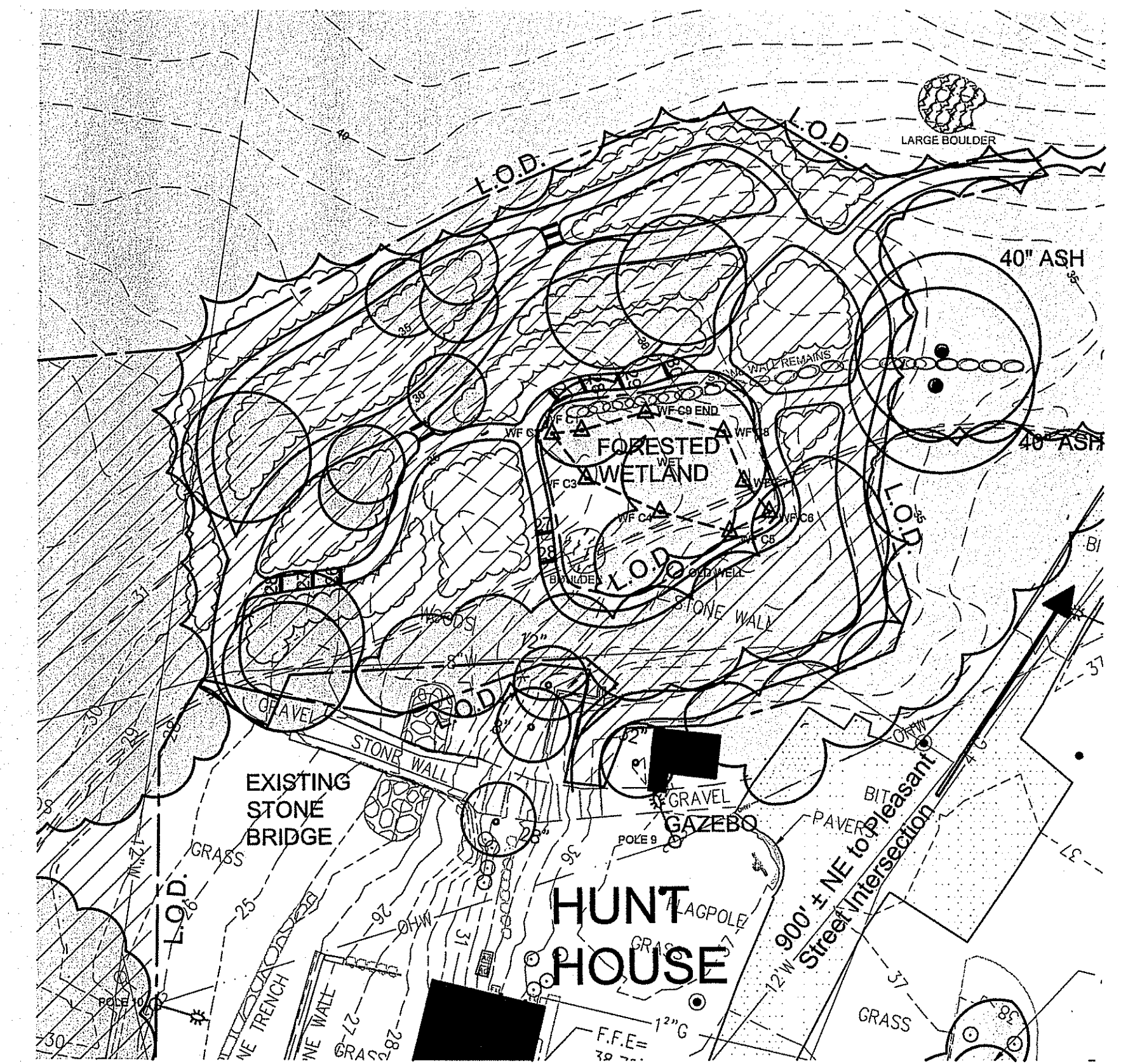
The area is presently dense woods. Most of it outside the 200' riverbank line and there is a small, approximately 1500SF, isolated forested wetland area. There are some large trees and trees of species not found in other parts of the park but the area is dominated by smaller trees, invasive shrubs and briars.

Selective clearing will favor large healthy trees, diversity of species and native shrubs. The small wetland area will not be cleared. The site will be accessed from the existing stone causeway and from a new path near the existing gazebo. The specific alignment of paths will be determined by the existing vegetation but the 2 or 3 principal paths that traverse the gardens will follow the contours to the extent possible requiring minimal grading. These major paths will be 6'-8" wide and paved with chipper mulch or stonedust. Minor paths will be approximately 4' wide with steps as necessary made from stone stockpiled in Public Works Department salvage areas elsewhere on the property.

Clearing work will be accomplished through cooperative efforts of volunteers, City staff and contract. Work will start with volunteers clearing brush in the vicinity of proposed paths that are outside the 200' riverbank line and the forested wetland.

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED October 23, 2009 FILE # 09-0231
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.
Imperium Alameda



TERRACE GARDENS CONCEPTUAL PLAN

Scale: 1"= 30'-0"

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AUG 26 2009
ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES

<p>Bradford ASSOCIATES LANDSCAPE ARCHITECTURE 25 Creighton Street Providence RI 02906-1518 TEL: 401 521.6867 bradfordassoc@cox.net</p>	<p>City of East Providence, Rhode Island</p> <p>HUNTS MILLS Hunts Mills Road-off Pleasant St. Map 505 Block 010 Parcel 01.00</p> <p>July 31, 2009</p>	<p>Sheet 2 of 2</p> <p>SCALE IN FEET 30 0 100</p>
	<p>ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES</p>	