

Fort Williams Park

Master Plan Update 2011

Cape Elizabeth, Maine



January 2012

MITCHELL & ASSOCIATES
LANDSCAPE ARCHITECTS
PORTLAND, MAINE

January 4, 2012

Fort Williams Advisory Commission
Mr. William E. Nickerson, Chairman
320 Ocean House Road
Cape Elizabeth, ME 04107

Dear Bill and Commission Members:

It is with great pleasure that we submit the 2011 Master Plan Update for Fort Williams Park. This is a growing time for Fort Williams Park as the town and commission seek to evaluate and guide this extraordinary park into the future for the enjoyment of generations to come.

This Master Plan includes recommendations for future improvements, conceptual design plans for specific recommendations and descriptions of priority items with preliminary costs. This Plan is organized into *Location* of areas being reviewed and further defined by *Category* classification to provide easy access for management and maintenance of the park. Summaries of previous master plan recommendations, results of the questionnaire, and other studies and reports prepared by consultants on various features of the park are included in the appendix.

Throughout the nearly eight months of this study, we have experienced invaluable cooperation, guidance and support from the Fort Williams Advisory Commission, as well as, Michael McGovern, Town Manager and Bob Malley, Director of Public Works. We are honored to have had this opportunity to contribute toward the restoration and improvement of this unique park.

Sincerely,
Mitchell & Associates



John D. Mitchell

Enclosure

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1.1 Acknowledgements

This Fort Williams Park Master Plan Update was prepared under the direction of the Fort Williams Advisory Commission and in cooperation with Michael McGovern, Town Manager and Bob Malley, Director of Public Works. Their ideas, insights and comments have been invaluable and have shaped the plan's final recommendations.

Fort Williams Advisory Commission

William E. Nickerson, Chairman

William Brownell, Vice Chairman

Frank Butterworth, Secretary

Maureen A. McCarthy

Daniel S. Chase

Erin Grady

Lise Pratt

Robert C. Malley, Director of Public Works

Michael K. McGovern, Town Manager

EXECUTIVE SUMMARY

The Town of Cape Elizabeth's 2007 Comprehensive Plan recommends a review of the most recently adopted Master Plan of Fort Williams Park every seven years. Since the Plan was last updated in 2003, the Fort Williams Advisory Commission (FWAC) believes it is appropriate to update the Plan, especially given the increasing capital needs of the park at this time. With the support of the Cape Elizabeth Town Council, the update was initiated early in 2011. To assist the Commission in the Plan update process, the Town Council agreed to retain the firm of Mitchell & Associates, a landscape architectural and planning firm based in Portland.

The purpose of the Master Plan Update is fourfold:

- To reaffirm the overall vision, goals and objectives for Fort Williams Park.
- To continue to guide the Town and Fort Williams Advisory Commission in its deliberations, and establish a framework for decision making.
- To identify new issues and concerns as well as future needs and improvements to the park.
- To suggest recommendations and propose design concepts for various projects identified as part of the process.

At the beginning of the update process, the FWAC reviewed the Cape Elizabeth Town Council Policy Statement (1976) relating to Fort Williams Park, which is stated in full under Part 1.3. After careful consideration, the Commission believes this policy statement is still very relevant. The Policy Statement provided the basis for establishing six goals to guide us with the compilation of the Plan document. These goals relate to broad categories such as safety, pedestrian and traffic circulation, preservation of natural resources, historic identity and sustainability.

In its decision making over the years, the Advisory Commission has not had the benefit of broad-based community input about the park. We have often pondered how users of the park think about the park, their likes and dislikes; as well as their priorities and vision of what they would like the park to be. Therefore, early in the Plan update process, a survey was conducted of town residents and other users of the park which generated 395 responses, 308 from residents. The survey questionnaire and a summary of its findings are found in the appendix of this report; however, we would like to highlight a few of these findings.

One of the issues the Advisory Commission has been challenged with in recent years is the need to generate additional revenue within the park, to be used primarily for park related capital expenditures. The survey results show that 81% of respondents are in favor of utilizing the park for revenue generation, and 78% believe the Town should expand "opportunities to rent areas of the park for functions". Of those in support of such initiatives, significant majorities supported construction of a second picnic shelter and creation of a venue for functions. However, there was little support for expanding food service beyond push carts.

Regarding capital expenditures, a substantial majority of respondents supported permanent rest rooms, the creation a facility for function use, the preservation of Goddard Mansion, the preservation of the fortifications (batteries), the restoration of the Parade Ground bleachers and the restoration of the garden pond. Of course the above initiatives assume available funding. Overall, the park is considered to be well maintained by 88% of respondents, and 92% are in favor of volunteer days to help defray the costs of improvements and maintenance. The results of the survey will be valuable in guiding the Town and the Advisory Commission in the coming years.

In June, the Commission, together with Mitchell & Associates, held an informational meeting with groups having a special interest in specific aspects of the park. This was an opportunity for these groups to express their views about matters of particular importance to them. In September, a public forum was held to provide residents with an opportunity to express their thoughts about Fort Williams Park and their vision for its future. A presentation about the master planning process was provided and public input was encouraged.

The core of the Master Plan document (Part 2) is entitled Plan Recommendations by Location. This section contains lists of specific needs and suggested actions to be taken within identified locations in the park. For this purpose the park is divided into ten distinct geographical areas with multiple recommendations advanced for each area. Each recommendation is accompanied by a short statement, and many are supplemented by pictures, and in some cases, diagrams depicting the changes being recommended. The area recommendations in Part 2 are aggregated in Part 3, entitled Plan Recommendations by Category. There are seven categories delineated as follows:

- Circulation and Parking
- Signage
- Utilities, Sanitation and Restroom Facilities
- Structures
- Park Ecology
- Landscape Materials and Features
- Park Management, Administration and Maintenance

Recommendations in Parts 2 and 3 are cross-referenced utilizing a straightforward numbering system.

The Master Plan contains eighty-eight recommendations. Some are as simple as moving the swing sets near the Ship's Cove parking area to a less visible location, while others are much more significant in terms of the scope of work and capital funding required. In Part 4 the Advisory Commission has created a prioritization of ten of the most substantive recommendations. Each of the recommendations includes a rough budget. This list of priorities will provide a guide for the current and future commissions as necessary funding becomes available. Many of the eighty-eight recommendations can be accomplished with relatively little money or through existing town resources, while others will require significant new funds.

Part 5 is the Appendix. Included are summaries of the prior two master plans, the recent survey questionnaire and related summary, professional reports previously completed on different elements of Fort Williams, the Arboretum Master Plan and a walking guide to the park. The reports referenced in Part 5 can be obtained either on the Town of Cape Elizabeth web site or at Town Hall.

In conclusion, this has been an ambitious project spanning nearly a year. The Fort Williams Advisory Commission appreciates the advice and counsel of the Town Council, Town Manager Mike McGovern and Bob Malley, Director of Public Works. We also thank John Mitchell and his staff at Mitchell & Associates for their time, expertise and guidance. The Advisory Commission believes the 2011 Master Plan Update will provide a valuable resource for the leadership of both the Town of Cape Elizabeth and of Fort Williams Park for the foreseeable future. It has been our pleasure to have been involved in its creation.

Respectfully submitted,

Fort Williams Advisory Commission

William Nickerson, Chairman

William Brownell, Vice Chairman

Frank Butterworth, Secretary

Maureen A. McCarthy

Daniel S. Chase

Erin Grady

Lise Pratt

1.3 Cape Elizabeth Town Council Policy Statement (1976)

Fort Williams is a unique community resource which has irreplaceable scenic, natural and historical qualities. As such, it should be dedicated to predominantly park, recreational, and cultural uses, which uses preserve or enhance, or are otherwise fully compatible with its unique qualities, and which uses are within the financial capabilities of the town.

1.4 Set of Goals for Fort Williams Park

Goal One: Promote safe access, circulation and easy way-finding for Park visitors.

Goal Two: Enhance visitors' awareness and understanding of Park resources.

Goal Three: Preserve and protect the Park's natural resources.

Goal Four: Maintain and strengthen the Park's historic identity.

Goal Five: Facilitate implementation of compatible uses within the Park.

Goal Six: Establish a sustainability plan to maintain the quality and enjoyment of the Park.

FORT WILLIAMS PARK MASTER KEY PLAN



LEGEND:

- AREA 1 THE MEADOW AND CHAPEL ROAD (INCLUDING SHIP COVE)
- AREA 2 GODDARD MANSION TO BATTERY KEYES
- AREA 3 BATTERY KNOLL
- AREA 4 CLIFF WALK
- AREA 5 PORTLAND HEAD LIGHT GROUNDS
- AREA 6 THE GREEN AND BATTERY GARESCHÉ
- AREA 7 THE POND TO PARADE GROUNDS
- AREA 8 OFFICERS ROW
- AREA 9 BATTERY BLAIR AND CENTRAL PARKING AREA
- AREA 10 SOUTHWEST PRESERVE

Plan North 

Part 2.0

As shown on the Fort Williams Park Master Key Plan under Part 1.5, the Park has been organized according to the ten different park areas identified in the 2003 Master Plan Update. These include the following:

- Area 1 The Meadow and Chapel Road
- Area 2 Goddard Mansion to Battery Keyes
- Area 3 Battery Knoll
- Area 4 Cliff Walk
- Area 5 Portland Head Light Grounds
- Area 6 The Green and Battery Garesche
- Area 7 The Pond to Parade Grounds
- Area 8 Officers' Row
- Area 9 Battery Blair and Central Parking Area
- Area 10 Southwest Preserve

Area 1 – The Meadow and Chapel Road

Area Description: Main Entrance, Powers Road, Central Power Station, Ship Cove Beach, Beach Picnic Area, Ship Cove Parking Area, The Meadow, Chapel Road Preserve, Chapel Road and Chapel Road/Shore Road Entrance Gate, Wooded Area north of Chapel Road to Park Boundary



Recommendations:

- 1.1 Review and repair Central Power Station to avoid structural and water damage. Remove vegetation from lower roof and evaluate use of bituminous sealant.
- 1.2 Remove invasive understory vegetation located on the southerly side of the main entrance road (Powers Road). See Arboretum Master Plan Sketch.

Area 1 – The Meadow and Chapel Road

- 1.3 Review the feasibility of improving the intersection of the main entrance road (Powers Road) and Ship Cove parking lot. See Powers and Ship Cove parking lot Intersection Concept.
- 1.4 Widen sidewalk to six feet with a new curb along the northerly side of the main access road (Ocean Road) from Ship Cove parking lot to the pull-off. Repair stone wall along the sidewalk as required. See Sidewalk Reconstruction Concept.
- 1.5 Expand Ship Cove parking area and incorporate turn-around at the end. See Ship Cove Parking Lot Concept.
- 1.6 Improve access to Goddard Mansion and Battery Keyes from Ship Cove parking area. Install a walkway with esplanade between the parking lot and Ship Cove.
- 1.7 Upgrade picnic area slab, at Ship Cove, including potential use of a canopy structure. See Picnic Area at Ship Cove Permitting Requirements.
- 1.8 Review visual appearance and design of the fence enclosure around the Porto-lets.
- 1.9 Relocate swing sets to improve vista from “The Meadow”. See Swing Sets Relocation.
- 1.10 Provide an on-going maintenance program to remove invasive plant material within the Chapel Road Preserve. See Arboretum Master Plan Sketch.
- 1.11 Remove invasive vegetation and damaged vegetation along Shore Road frontage.



1.3 Intersection of main entrance road and Ship Cove parking lot.



1.5 Looking southeast at Ship Cove parking area.



1.6 Looking northwest from Ship Cove parking lot

Area 1 – The Meadow and Chapel Road

- 1.12 Create a pathway loop along the Shore Road frontage, connecting existing paths. See 1.18-Arboretum Master Plan Sketch for location.
- 1.13 Review option to enhance pedestrian access from Shore Road through the Chapel Road entrance. Consider gate relocation and aesthetic improvements.
- 1.14 Evaluate the need for existing informal parking at the beginning of Chapel Road.
- 1.15 Address erosion and slope stability of existing stone steps along informal path leading from Chapel Road entrance through the woods along Shore Road.

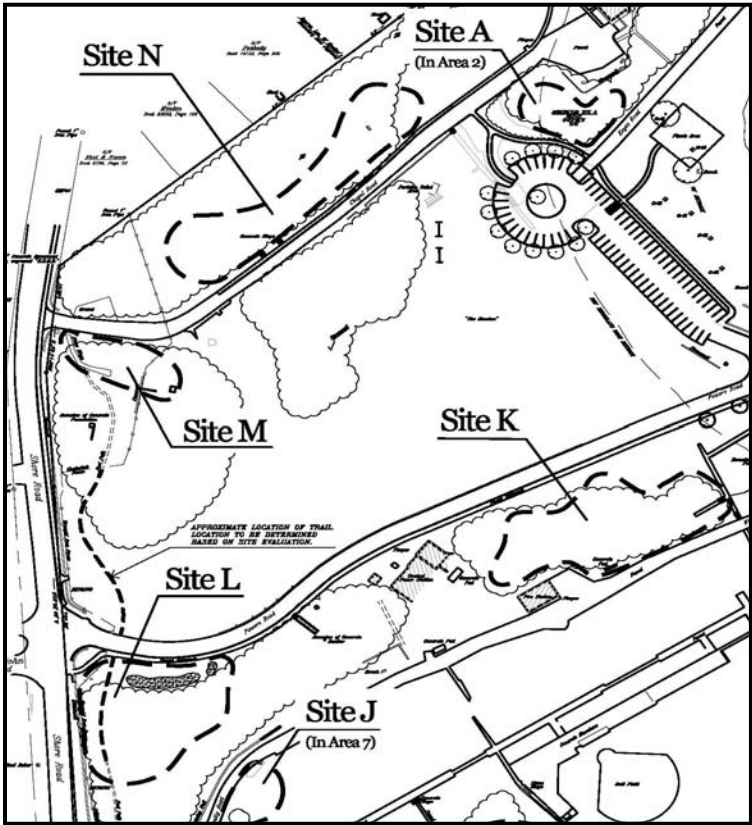


1.13 Chapel Road gate along Shore Road.

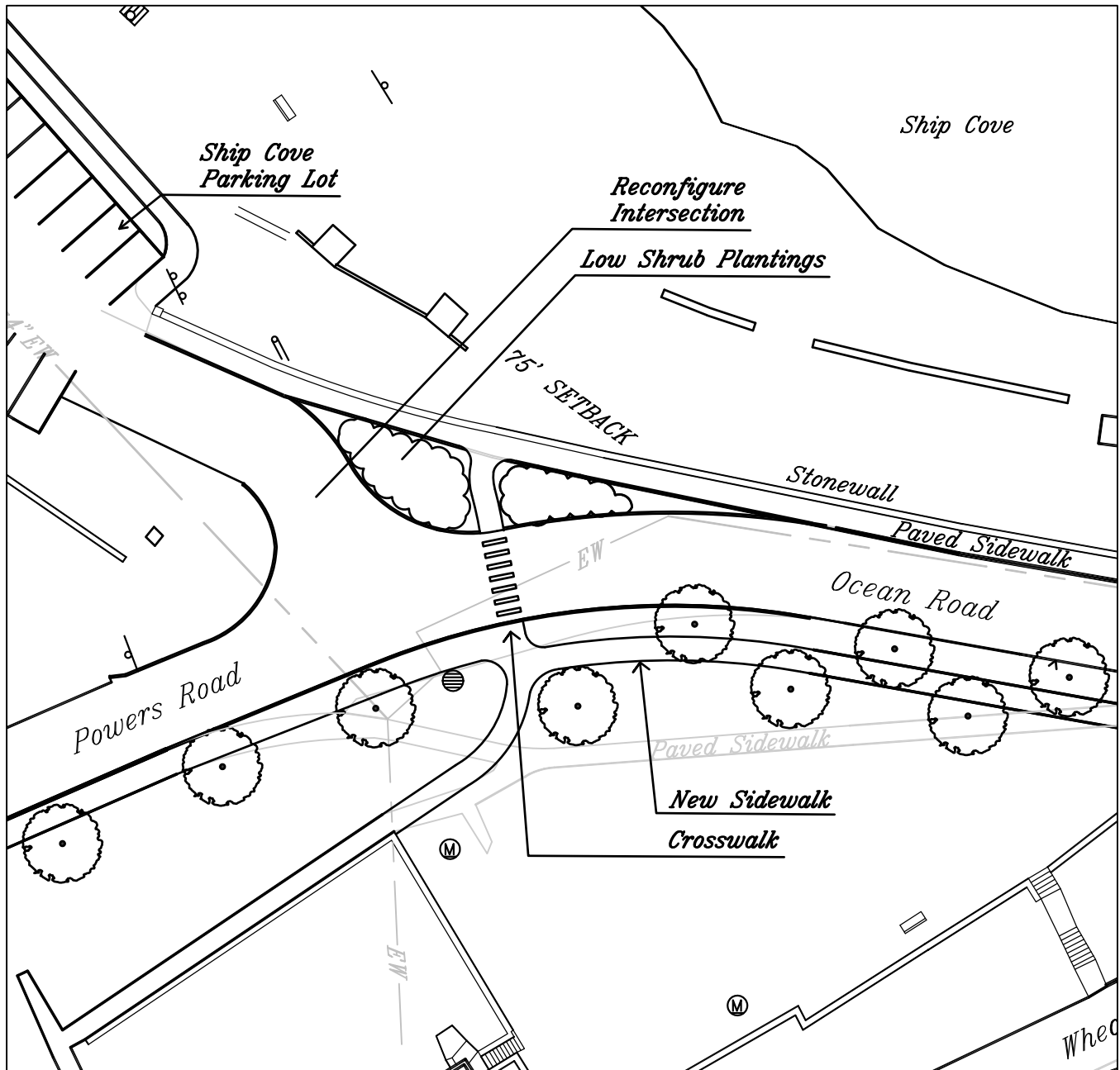
- 1.16 Add interpretive signage for former Chapel.
- 1.17 Extend sidewalk at main entrance along the northern side of road to main gate. Add crosswalk outside gate connecting to sidewalk on southern side of main entrance.
- 1.18 Coordinate with the Arboretum development plans. See Arboretum Master Plan Sketch. Sites within Area 1 include:

- Site K – Shade Garden Site
- Site L – Entry Site
- Site M – Meditation Site
- Site N – Edible Nut Grove

1.18 Arboretum Master Plan



1.3 - Powers and Ocean Road Intersection Concept

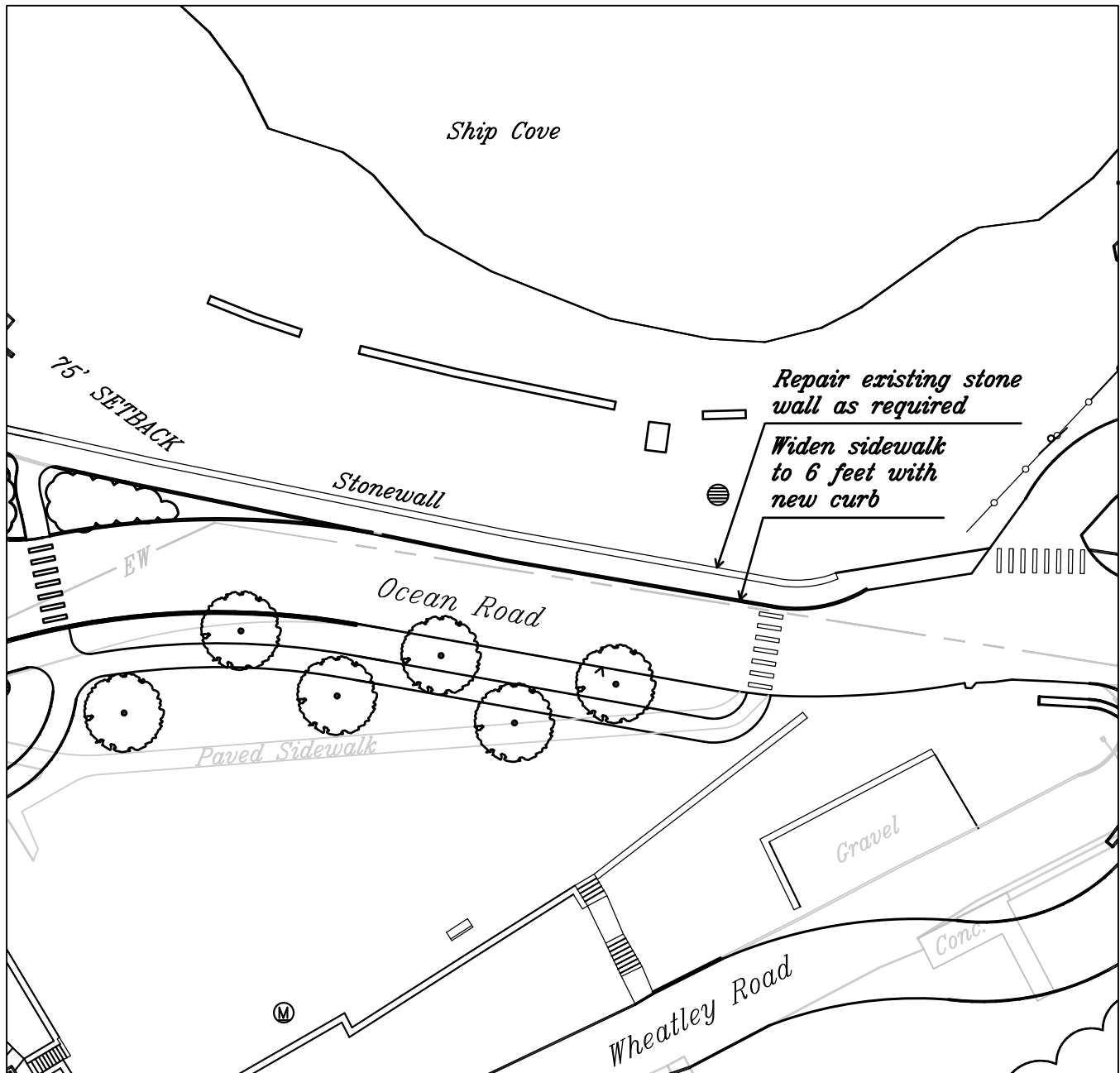


Description:

The existing intersection of Powers Road and Ocean Road near the Ship Cove parking lot entrance, does not provide an easy entrance from Powers Road into the parking lot. Reconfiguration of the intersection will improve vehicular and pedestrian circulation in the area as well as provide an opportunity for wayfinding signage and potential for landscape improvements. The addition of sidewalks and crosswalks in the area will improve pedestrian safety.



1.4 - Sidewalk Reconstruction Concept

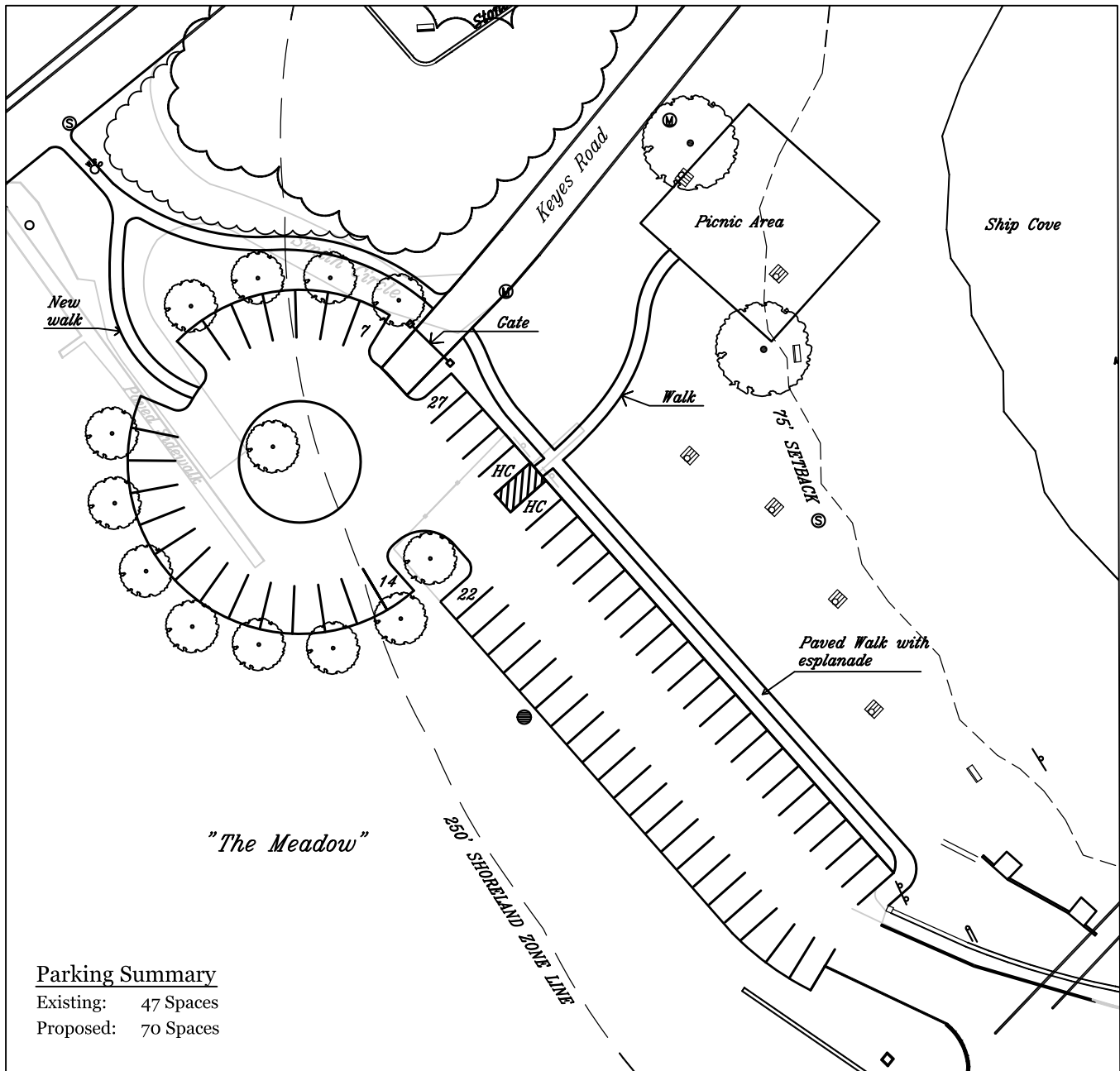


Description:

Widen sidewalk to 6 feet with a new curb along the northerly side of Ocean Road from the Ship Cove parking lot to the pull-off. Repair stone wall along the sidewalk as required.



1.5 - Ship Cove Parking Lot Concept

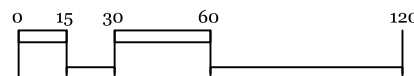


Parking Summary

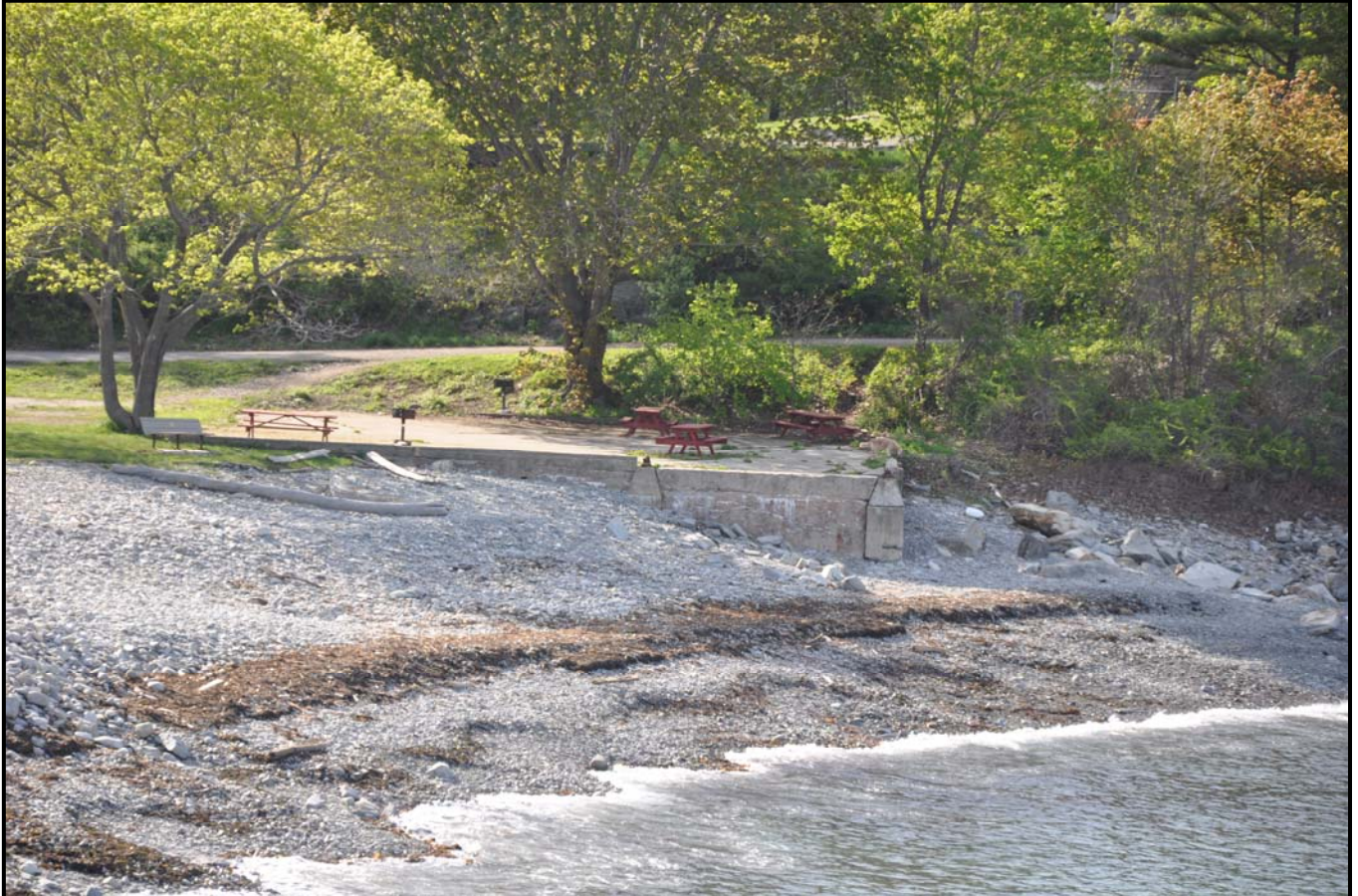
Existing: 47 Spaces
 Proposed: 70 Spaces

Description:

The existing parking lot has 47 parking spaces and is a dead-end configuration. The proposed improvements expand the lot to 70 parking spaces and include a cul-de-sac design to provide better circulation through the parking lot. The northern end of the parking area would be improved for pedestrian access to both the Goddard Mansion and Battery Keys.



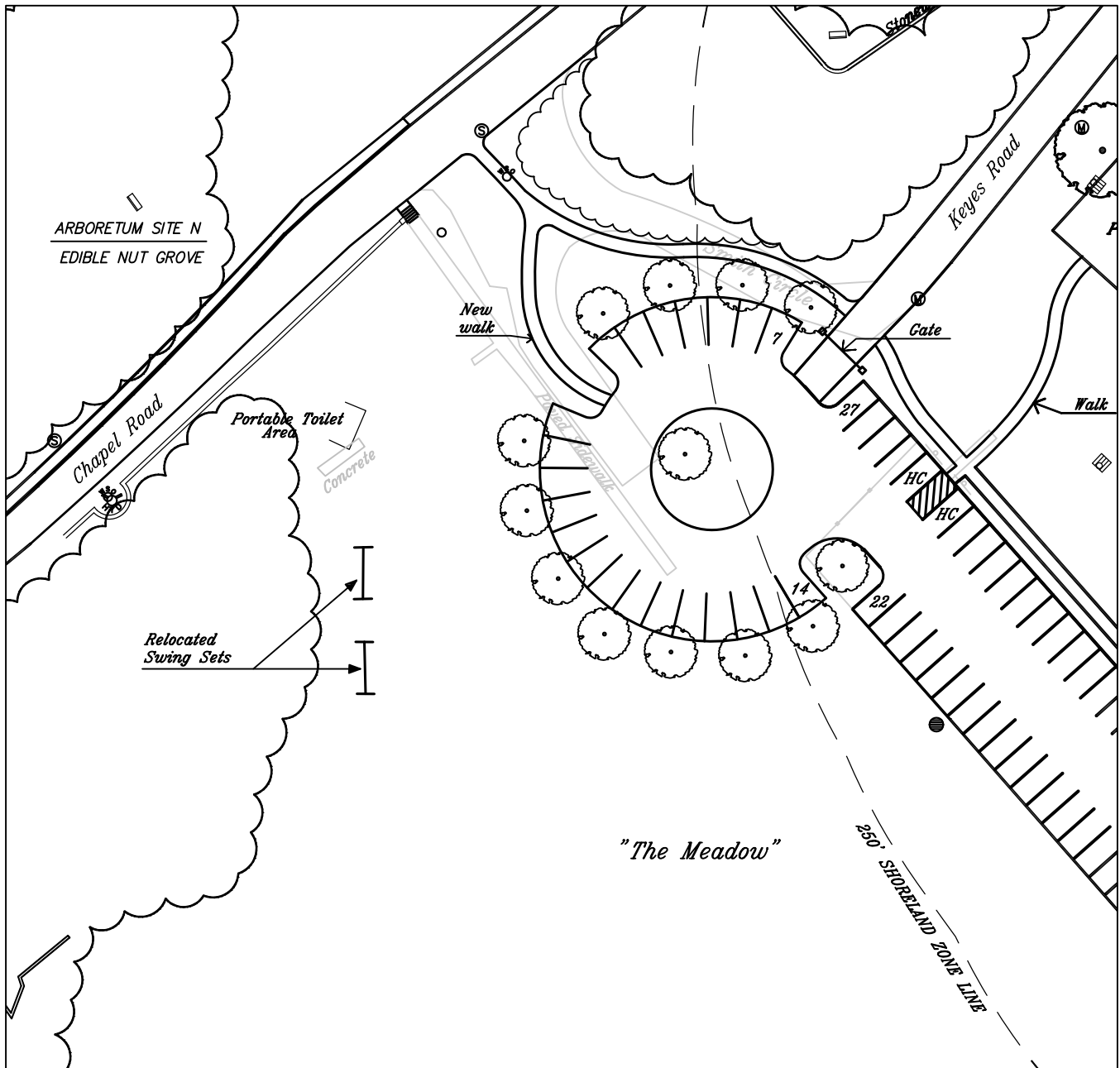
1.7 Picnic Area at Ship Cove



Permitting Requirements:

- The picnic area, including the concrete slab, is considered a legal nonconforming structure that may be “repaired.”
- The concrete slab may also be “reconstructed” in place provided the reconstruction is less than 50% of the market value of the structure before such damage.
- If the reconstruction totals 50% or more of the value, the shoreland zoning setback must be met or an appeal may be requested to the Cape Elizabeth Zoning Board of Appeals.
- There may be a roof built over the slab provided that no walls are constructed.
- A permanent structure such as a pavilion, would require a full NRPA Permit from MDEP.

1.9 - Swing Sets Relocation



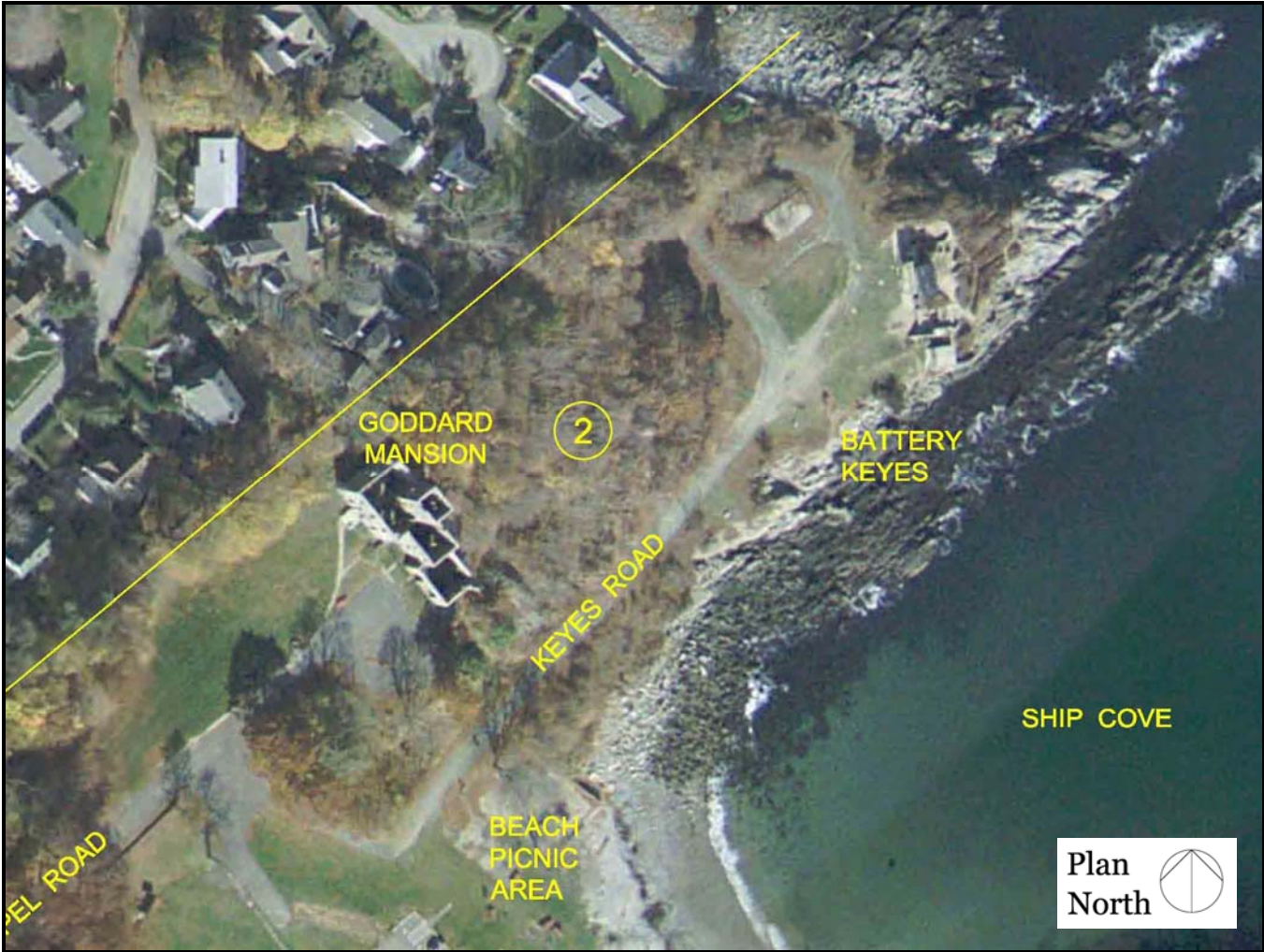
Description:

Two swing set structures are located to the west of the Ship Cove parking lot. Relocation and replacement of these structures away from the parking lot, would improve safety for users and enhance views down "The Meadow" to Ship Cove.



Area 2 – Goddard Mansion to Battery Keys

Area Description: Goddard Mansion including lawn to west, Keyes Road, Battery Keys.



Recommendations:

- 2.1 Improve accessibility and enhance pathways to Goddard Mansion.
- 2.2 Remove invasive plant material surrounding the Goddard Mansion.
- 2.3 Coordinate potential landscape improvements with the overall program for Friends of Goddard Mansion.
- 2.4 Restrict pedestrian circulation over areas that are susceptible to erosion.

Area 2 – Goddard Mansion to Battery Keys



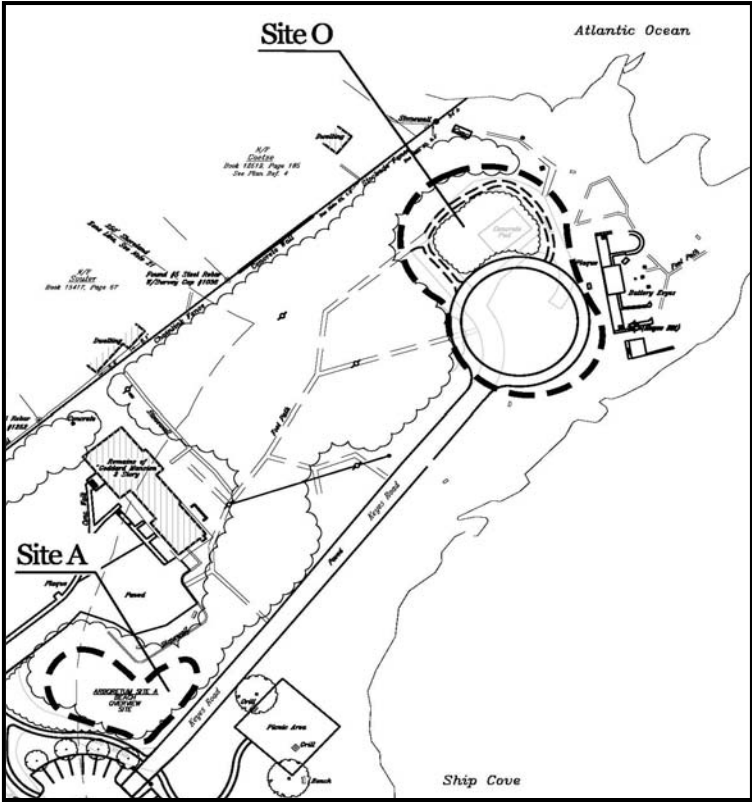
2.5 Social pathway to Goddard Mansion.

- 2.5 Stabilize eroded portions of social pathways and revegetate discontinued paths.
- 2.6 Improve aesthetics and circulation adjacent to Battery Keys. See Battery Keys Concept.
- 2.7 Coordinate with the Arboretum development plans. See Arboretum Master Plan Sketch. Sites within Area 2 include:
 - Site A – Beach Overview Site
 - Site O – Battery Keys Site

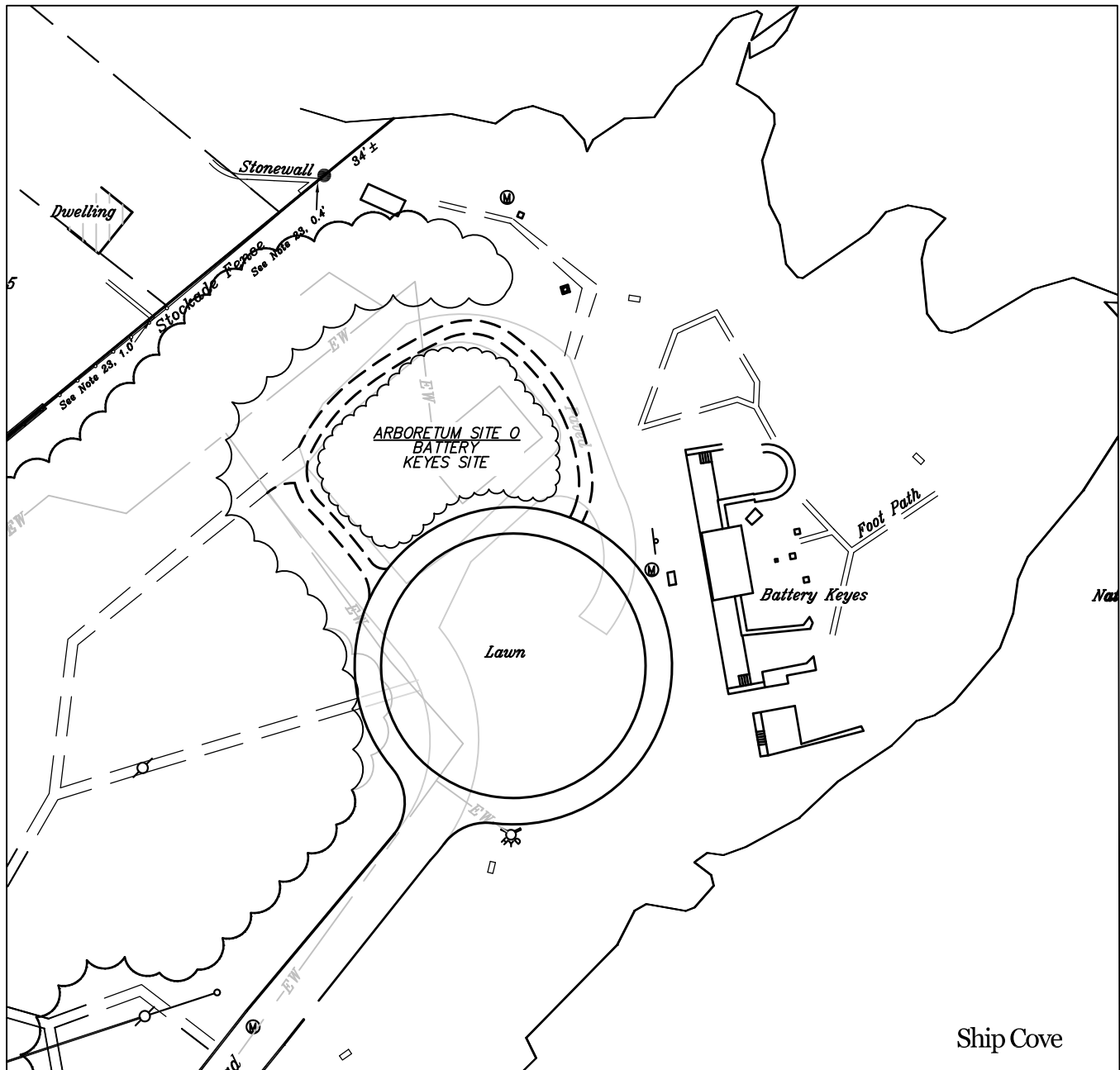
2.7 Arboretum Master Plan



2.6 Battery Keys



2.6 - Battery Keys Concept



Description:

The landscape at Battery Keys consists of deteriorated bituminous roads and gravel surface with no definition for a circulation route. The proposed design removes bituminous pavement and provides definition of the space with a circular pathway. An expanded grass/gravel base along the pathway could provide vehicular access. The center of the circle provides an opportunity for a group gathering space. The vicinity of Battery Keys is part of the Arboretum Master Plan - Site O.



Area 3 – Battery Knoll

Area Description: Lawn and Battery Areas East of Ocean Road, Battery Hobart, Battery Williams, Battery Sullivan, Battery DeHart, Flagpole, Social Paths, Invasive Vegetation.



Recommendations:

- 3.1 Provide an on-going maintenance program to remove invasive vegetation along the seaward side of Battery Knoll. See Arboretum Master Plan Sketch.
- 3.2 Review adding additional interpretive displays as well as relocating the Kitty's Point display panels once the vegetation has been removed along the seaward side of Battery Knoll.

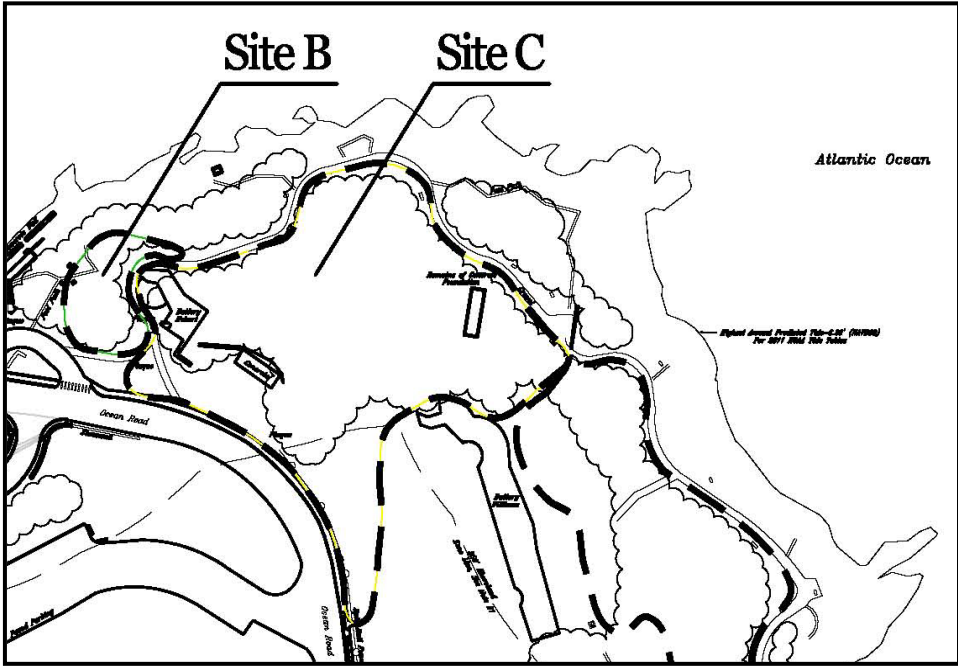
Area 3 – Battery Knoll

- 3.3 Restrict pedestrian circulation over areas that are susceptible to erosion.
- 3.4 Coordinate with the Arboretum development plans. See Arboretum Master Plan Sketch. Sites within Area 3 include:
 - 1. Site B – Cliff Walk Entrance Site
 - 2. Site C – Cliffside Site



3.1 The Cliffside Site at Battery Hobart.

3.4 Arboretum Master Plan



Area 4 – Cliff Walk

Area Description: Cliff Walk, Invasive Vegetation and Social Pathways adjacent to Cliff Walk.



Recommendations:

- 4.1 Provide an on-going maintenance program to remove invasive vegetation along the Cliff Walk.
- 4.2 Evaluate Cliff Walk safety along top of slope, identify safety improvements and or modifications to path location.
- 4.3 Review existing signage for accessibility and safety identification for Cliff Walk.

Area 5 – Portland Head Light Grounds

Area Description: Portland Head Light, Garden Shed, Keeper’s Quarters, Gift Shop, Parking Lot and Turnaround Area.



Recommendations:

- 5.1 Evaluate functional operation of the gift shop, including accessibility to inventory. Identify issues and needs.
- 5.2 Install natural stone pavers in worn area adjacent to the shipwreck sign.

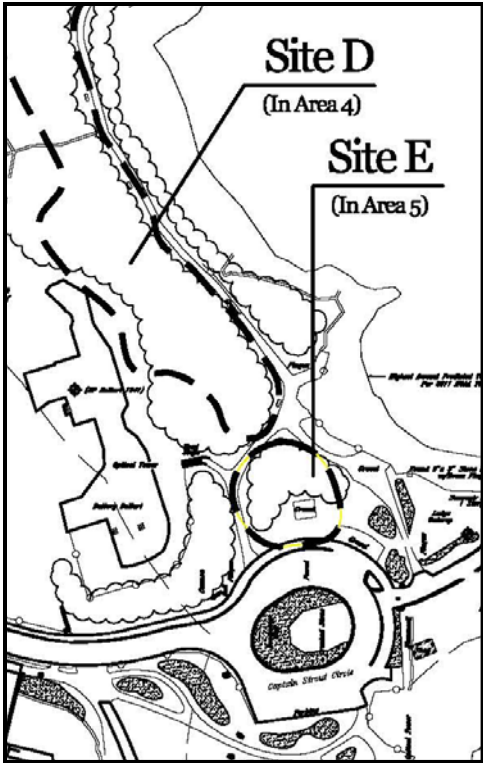
Area 5 – Portland Head Light Grounds

- 5.3 Review visual appearance and design of the fence enclosure around the Porto-lets.
- 5.4 Coordinate with the Arboretum development plans. See Arboretum Master Plan Sketch. Sites within Area 5 include:
 - Site E – Lighthouse View Site



5.3 Porto-lets.

5.4 Arboretum Master Plan



Area 6 – The Green and Battery Garesche

Area Description: Merriman Road, The Green, Mounds, Battery Garesche, Extension of Cliff Walk



Recommendations:

- 6.1 The Fort Williams Advisory Commission, based upon responses from the public survey and site assessment, recommends that “The Green”, the open lawn area to the southwest of Portland Head Light, should remain in its current use. This informal open space offers significant views to Casco Bay and Ram Island Light and provides for informal passive and active recreational use. Limited use of the space for special events that have been approved by the Commission, such as the “Beach to Beacon” should continue as a permitted use.

Area 6 – The Green and Battery Garesche

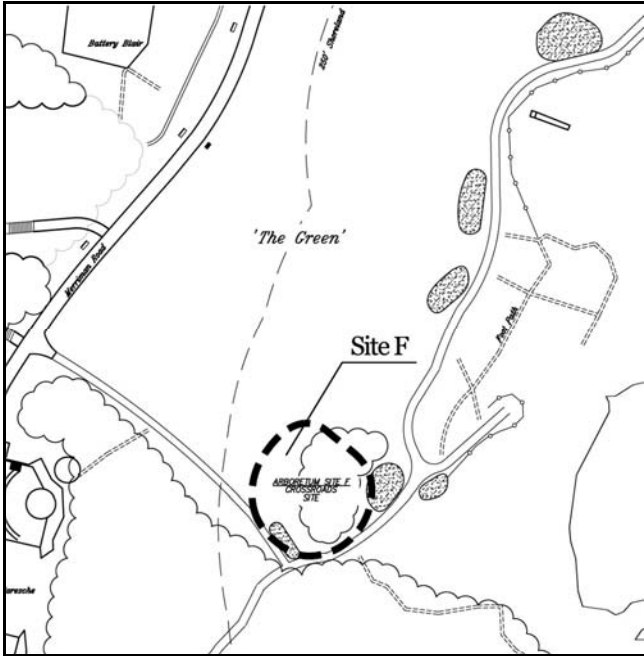
- 6.2 Remove invasive vegetation along Cliff Walk to enhance views.
 - 6.3 Evaluate restoration of deteriorated concrete shed (former privy) at Battery Garesche to address potential safety concerns.
 - 6.4 Consider supplemental plantings along park perimeter to sustain buffer along Delano Park.
 - 6.5 Coordinate with the Arboretum development plans. See Arboretum Master Plan Sketch.
- Sites within Area 6 include:

- Site F – Crossroads Site



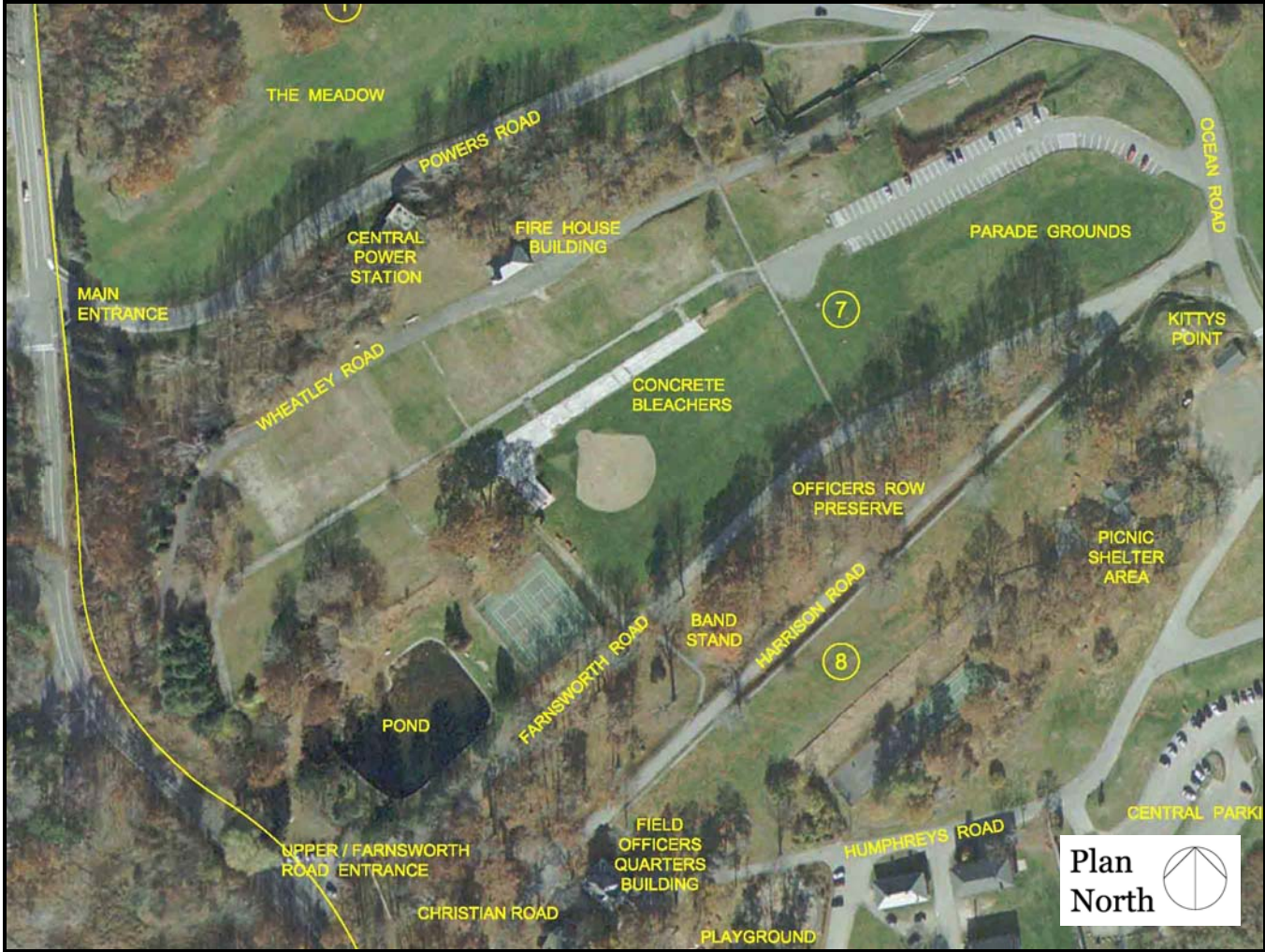
6.3 Battery Garesche.

6.5 Arboretum Master Plan



Area 7 – The Pond to Parade Grounds

Area Description: Between Wheatley Road and Farnsworth Road and Shore Road, Parade Grounds, Fire House Building, Concrete Bleachers, Pond, Tennis Courts, Overflow Parking Area.



Recommendations:

- 7.1 Redefine paved area at the former park entrance off Shore Road (near pond) to delineate parking spaces and address drainage issues. Ensure that the proposed design is compatible with the Beach to Beacon road race. See Former Park Entrance Concept.



7.1 Former Park Entrance

Area 7 – The Pond to Parade Grounds

7.2 Replace chain link fence and access gate at former park entrance, with matching ornamental fence used at the main entrance to the park.

7.3 Repair top of stone wall along the southerly edge of the pond.

7.4 Reconstruct existing stone stairs located on the southerly side of the pond.

7.5 Restore lawn area beneath existing spruce trees near gated entrance. Provide loam to cover exposed roots.

7.6 Remove existing bittersweet infested arborvitae along northeasterly end of pond. See Arboretum Master Plan Sketch.

7.7 Remove existing invasive vegetation from slope along the westerly side of pond. See Arboretum Master Plan Sketch.

7.8 Repair loose handrail on stairs located at the northwesterly side of the pond.

7.9 Stabilize worn pathway leading through the woods along Shore Road from the main entry gate in a northerly direction.

7.10 Remove bituminous pavement that extends beyond the easterly end of the bleachers.

7.11 Remove deteriorated sidewalk adjacent to the bleachers, potentially reclaim material in place and supplement with bituminous reclaim.

7.12 Concrete bleachers should be reviewed and evaluated due to safety concerns. See Fort Williams Projects Final Report, dated March 16, 2009 for recommendations from Renner/Woodworth.

7.13 Remove remnant sidewalks that cross grass areas used for overflow parking.



7.3 Stone wall along pond.



7.10 Parade Grounds.



7.13 Group Reception Area / Overflow Parking

Area 7 – The Pond to Parade Grounds

7.14 Review the feasibility of a group reception area at the westerly end of the overflow parking area. Extension of water and electricity would be required. Improvements in this area would expand rental opportunities for large and small groups within the park. See Group Reception Area Concept.

7.15 Improve vehicular and pedestrian accessibility at the intersection of the main access road (Ocean Road) and the road (Wheatley Road) leading to the grass overflow parking area. See Wheatley and Ocean Roads Concept.

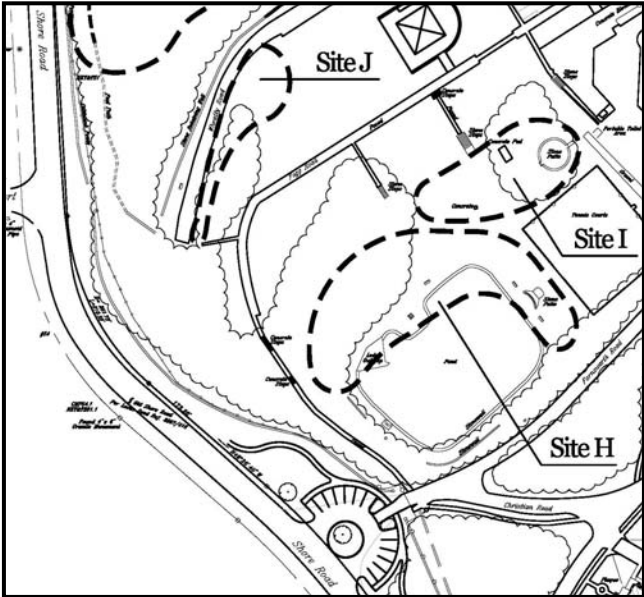


7.15 Wheatley and Ocean Roads.

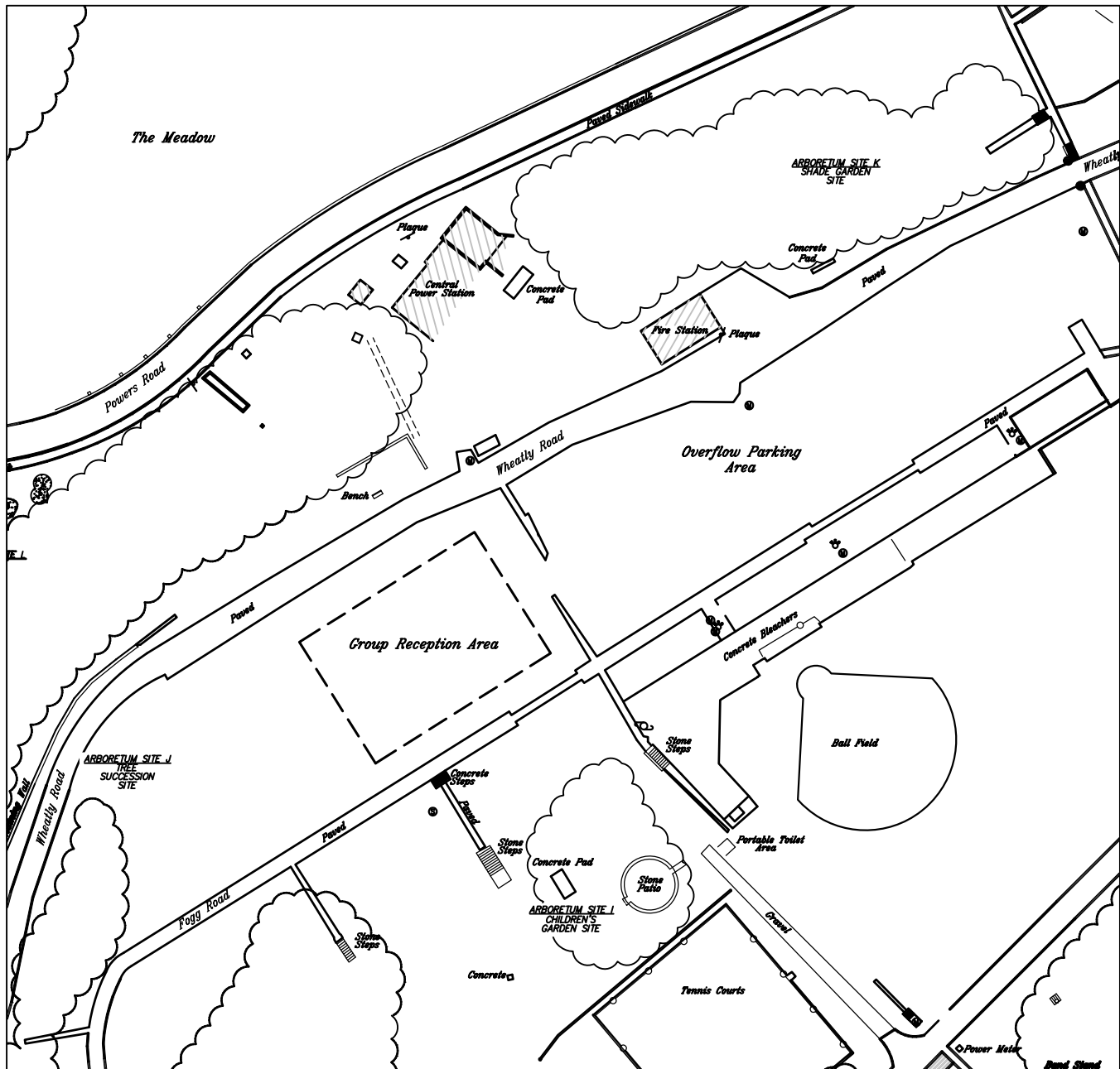
7.16 Coordinate with the Arboretum development plans. See Arboretum Master Plan Sketch. Sites within Area 7 include:

- Site H – Pond Site
- Site I – Children’s Garden Site
- Site J – Tree Succession

7.16 Arboretum Master Plan



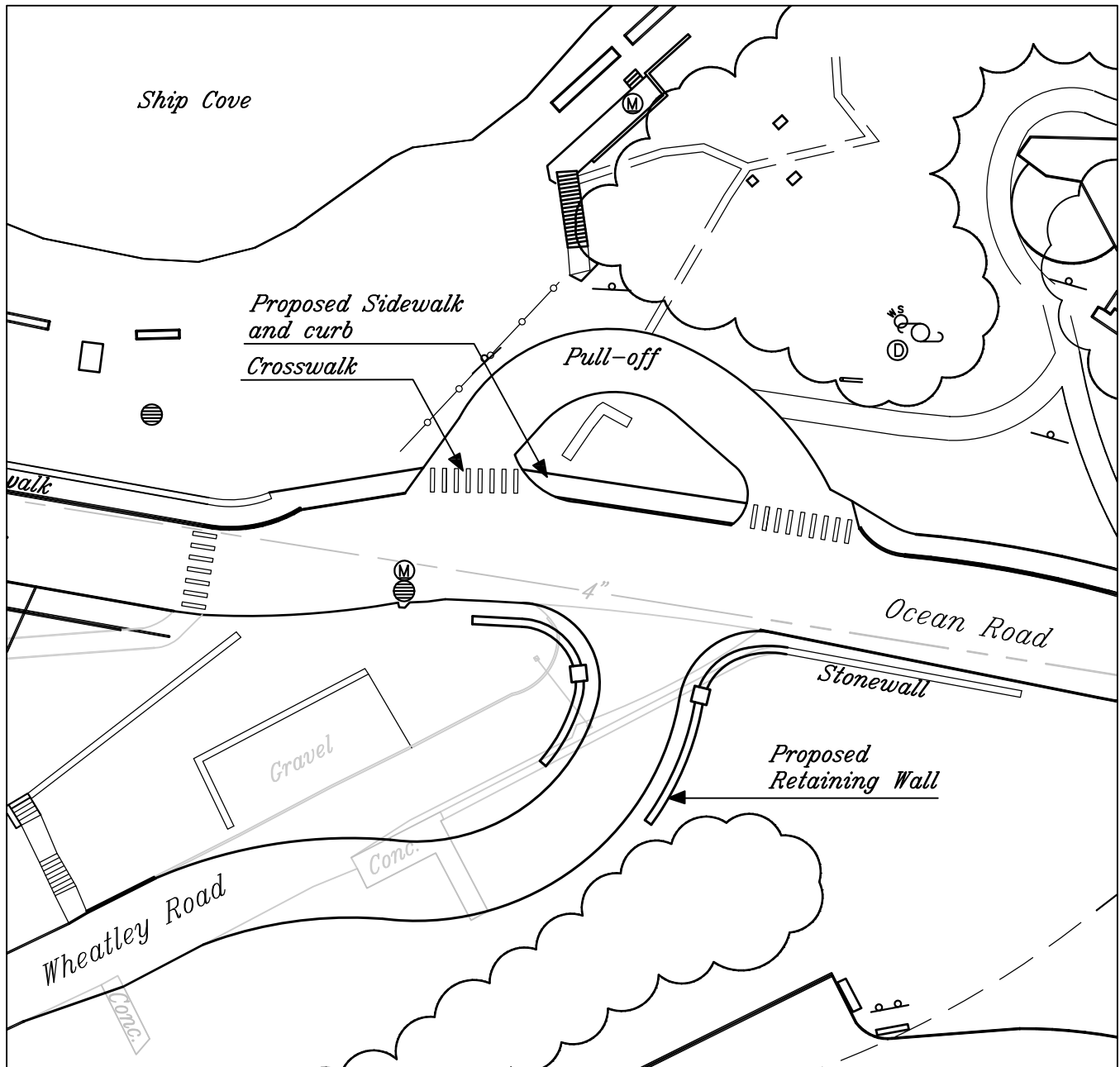
7.14 - Group Reception Area Concept



Description:

The area between Wheatley Road and Fogg Road, adjacent to the Fire House Building, provides an ideal space for a group reception area. The location has views to Ram Island Light and close proximity to ballfields and the tennis courts. The open fields provide overflow parking for large group events. Extension of water and electric service would enhance rental opportunities in this area of the park.





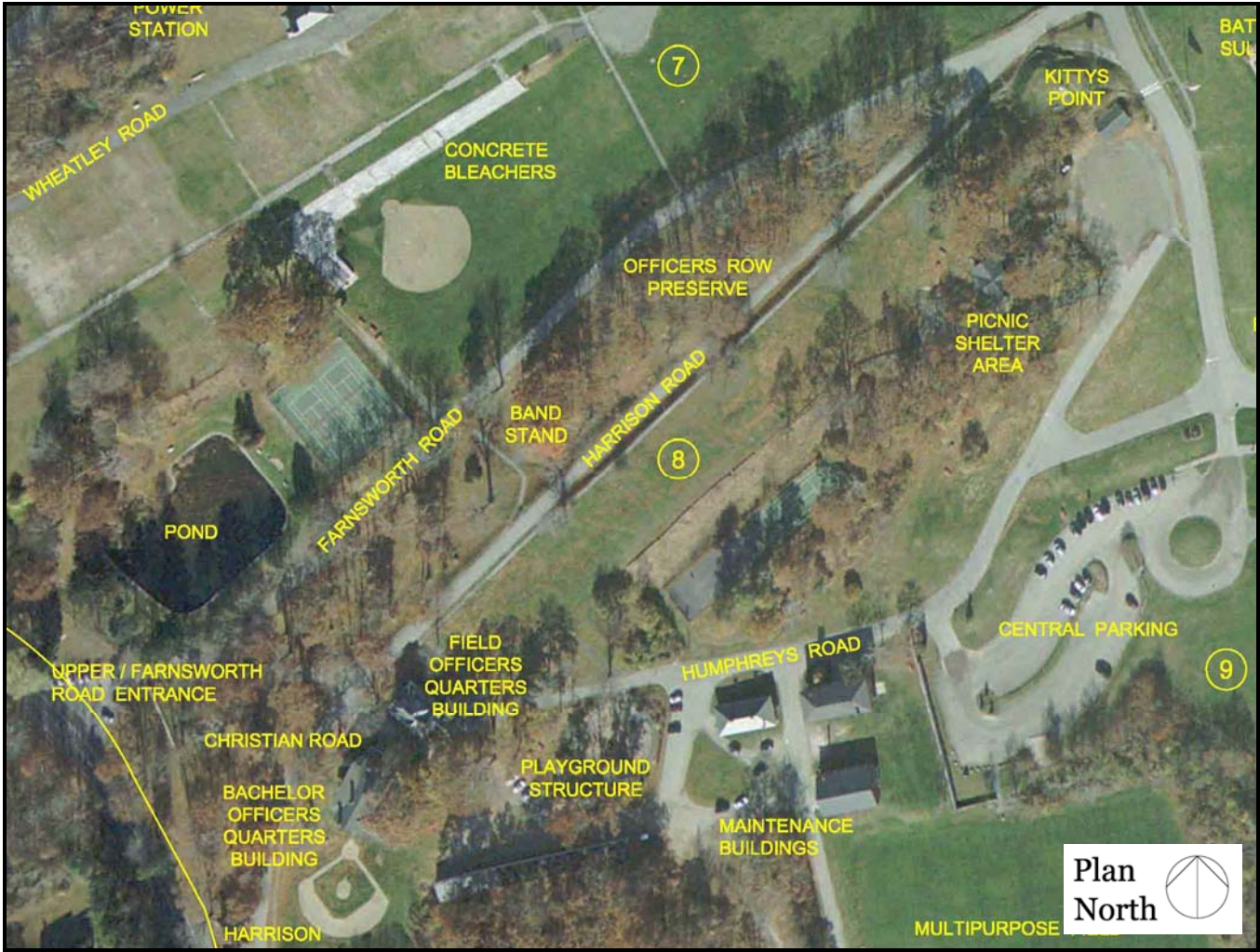
Description:

The area at the intersection of Wheatley Road and Ocean Road has potential for improved pedestrian and vehicular circulation. The tight turning radius from Ocean Road onto Wheatley Road to access the overflow parking area, has been redesigned. The addition of a sidewalk and crosswalk delineation at the pull-off on Ocean Road will improve pedestrian safety.



Area 8 – Officers’ Row

Area Description: Between Farnsworth Road and Humphreys Road, Harrison Road, Picnic Shelter, Kitty’s Point, Parking area near Restrooms, Officers’ Row Preserve, Band Stand, Field Officers Quarters Building, Bachelor Officers Quarters Building, Tennis Courts.



Recommendations:

- 8.1 Explore the option of expanding the children’s playground area as well as age group and natural play elements.
- 8.2 Remove concrete pavement between former officers’ quarters and restore area to lawn with paved walk between buildings and parking.

Area 8 – Officers’ Row

- 8.3 Eliminate bituminous sidewalk along Harrison Road up to the bandstand.
- 8.4 Improve pedestrian accessibility to the sloped area west of the bandstand (between Harrison and Farnsworth Roads). See Paved Walkway Concept.
- 8.5 Repair concrete stairs and add handrails in the vicinity of the bandstand.
- 8.6 Reconfigure picnic shelter parking lot to provide more efficient use of space. See Picnic Shelter Parking Lot Concept.
- 8.7 Install flowering trees and shrubs in planting area separating Ocean Road and the parking lot. See Picnic Shelter Parking Lot Concept.
- 8.8 Construct a new sidewalk from the crosswalk leading from Battery Knoll to Kitty’s Point. Construct granite stairs leading to the interpretive area. See Picnic Shelter Parking Lot Concept.
- 8.9 Extend sidewalk from the crosswalk to the picnic shelter parking lot. See Picnic Shelter Parking Lot Concept.



8.3 Sidewalk along Harrison Road.



8.4 Proposed paved walkway location.



8.6 Picnic shelter parking lot.

Area 8 – Officers’ Row

- 8.10 Redefine the intersection of the main access road (Ocean Road) and Farnsworth Road to create two handicap parking spaces. Construct new ADA sidewalk from the handicap parking spaces leading up to Kitty’s Point. See Kitty’s Point Concept.
- 8.11 Repair stonewall between the picnic shelter and tennis courts.
- 8.12 Evaluate picnic shelter fireplace for structural integrity of firebox and safe operating condition.
- 8.13 Add patio and improve circulation to the southwestern side of picnic shelter for expanded gathering space. See Picnic Shelter Patio Concept.
- 8.14 Replace existing wood sign (“Please keep vehicles off the grass”) next to picnic shelter parking lot with a new sign that is consistent with park signage.

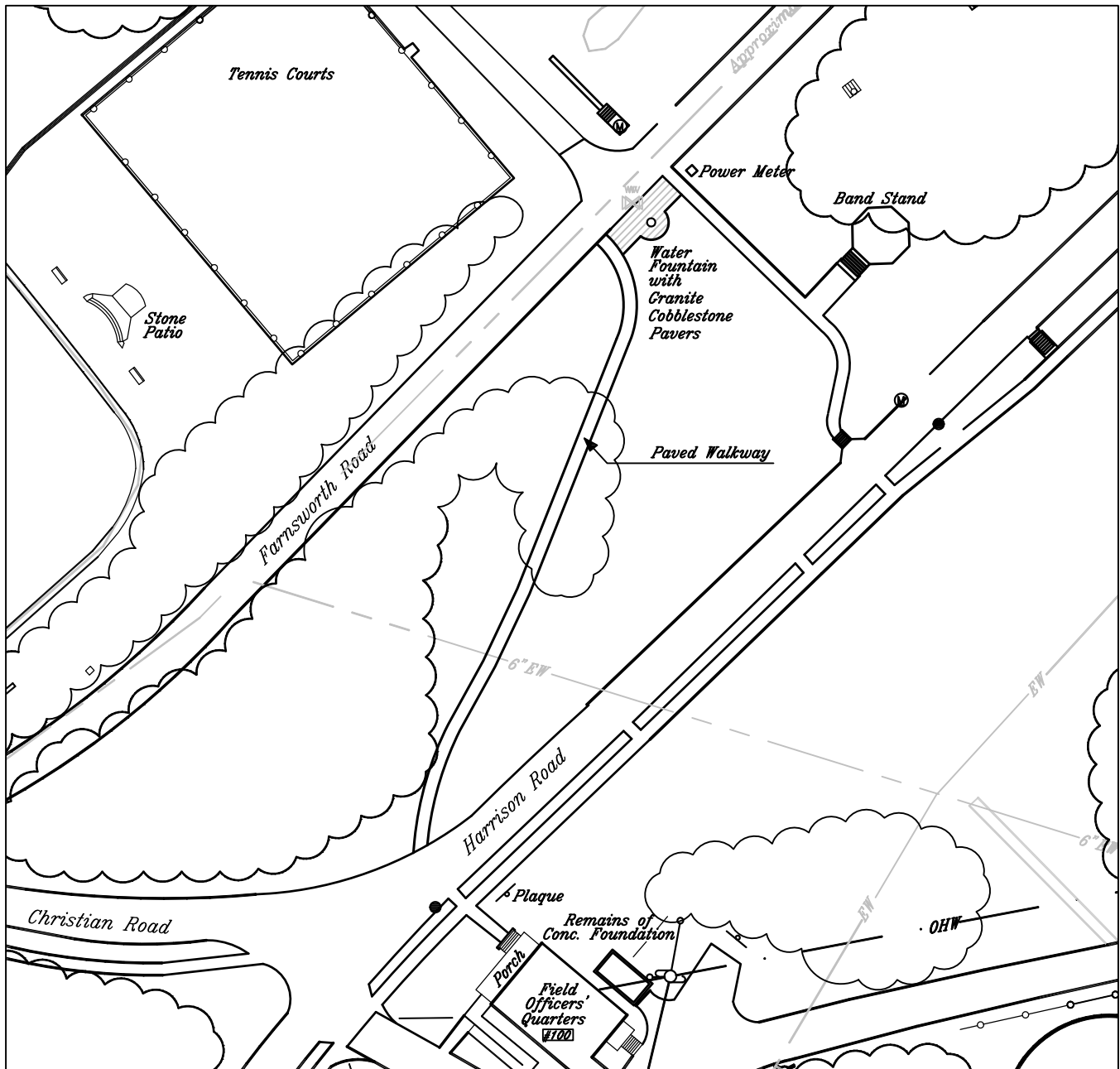


8.10 Location of proposed ADA sidewalk at Kitty’s Point.



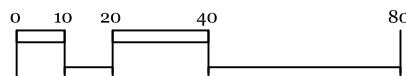
8.13 Picnic Shelter.

8.4 - Paved Walkway Concept

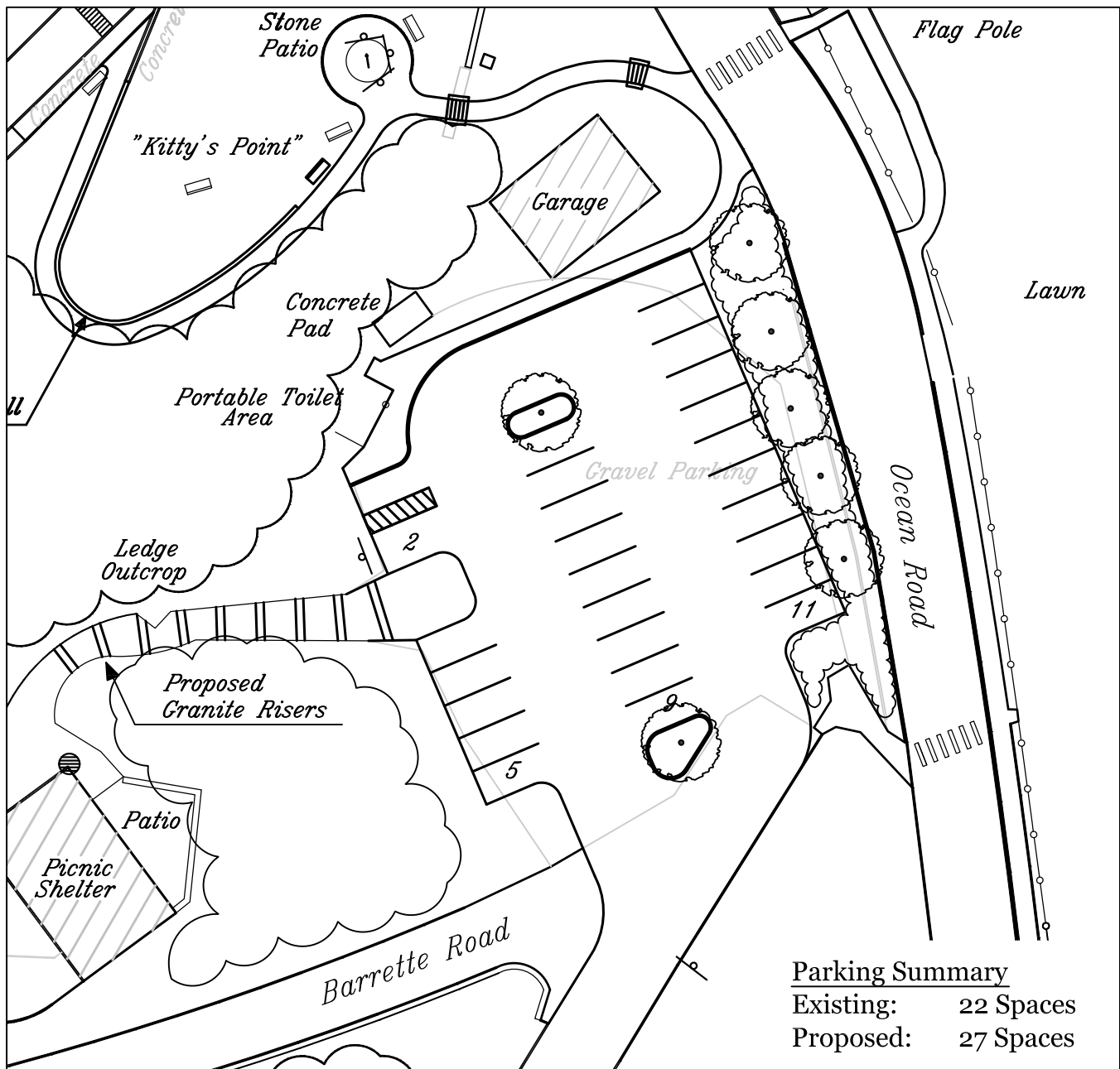


Description:

The area to the west of the bandstand has potential for improved accessibility for those with disabilities and pedestrians with strollers. A sketch has been prepared with a potential walkway location as well as improvements to the drinking fountain area.



8.6 - Picnic Shelter Parking Lot Concept

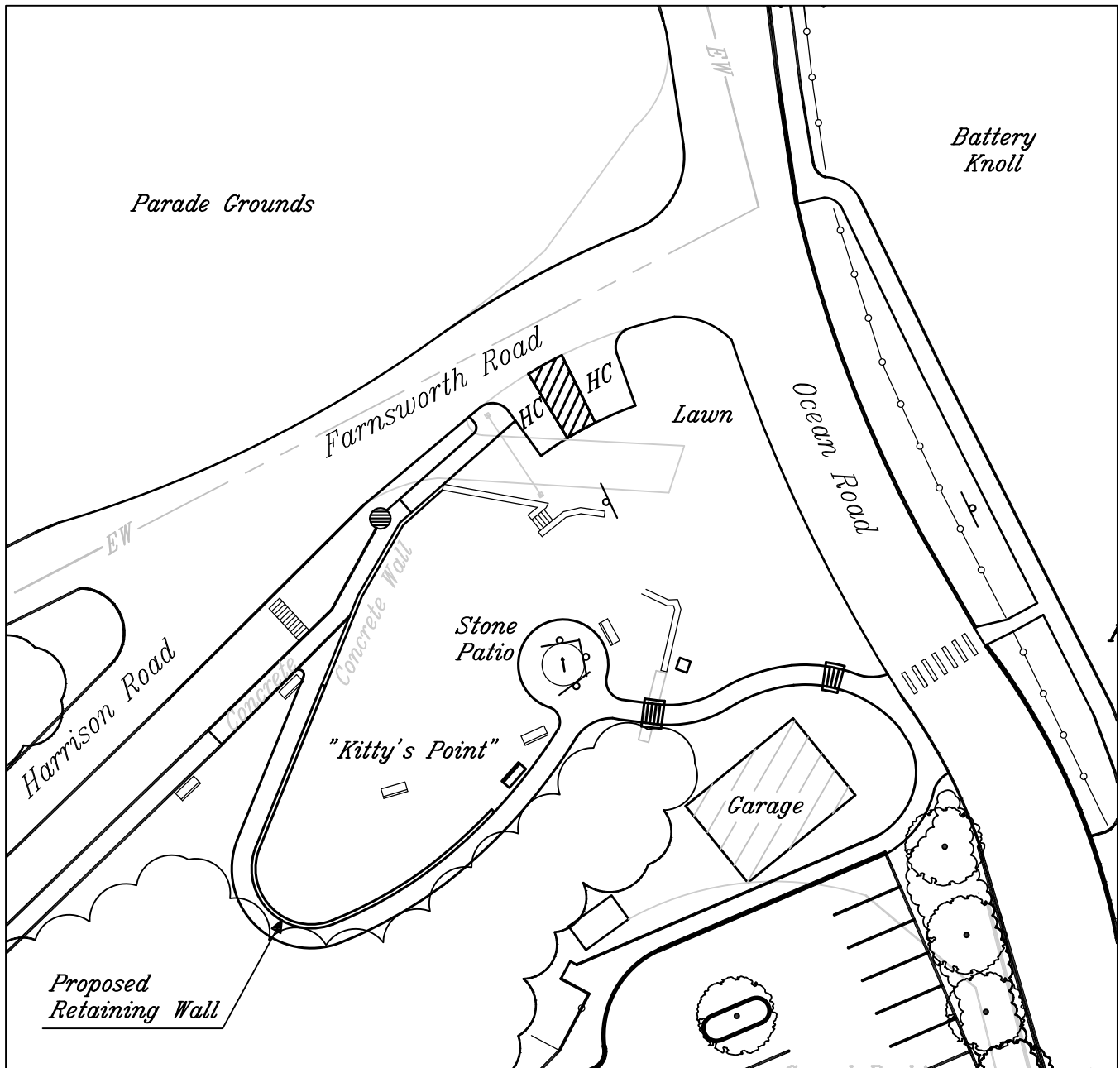


Description:

The gravel parking area adjacent to the picnic structure lacks definition to maximize parking. Improvements proposed include landscaped islands, curbing, and sidewalks around the perimeter of the lot. Granite risers are proposed on the pathway to the picnic shelter for improved accessibility.

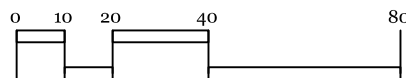


8.10 - Kitty's Point Concept

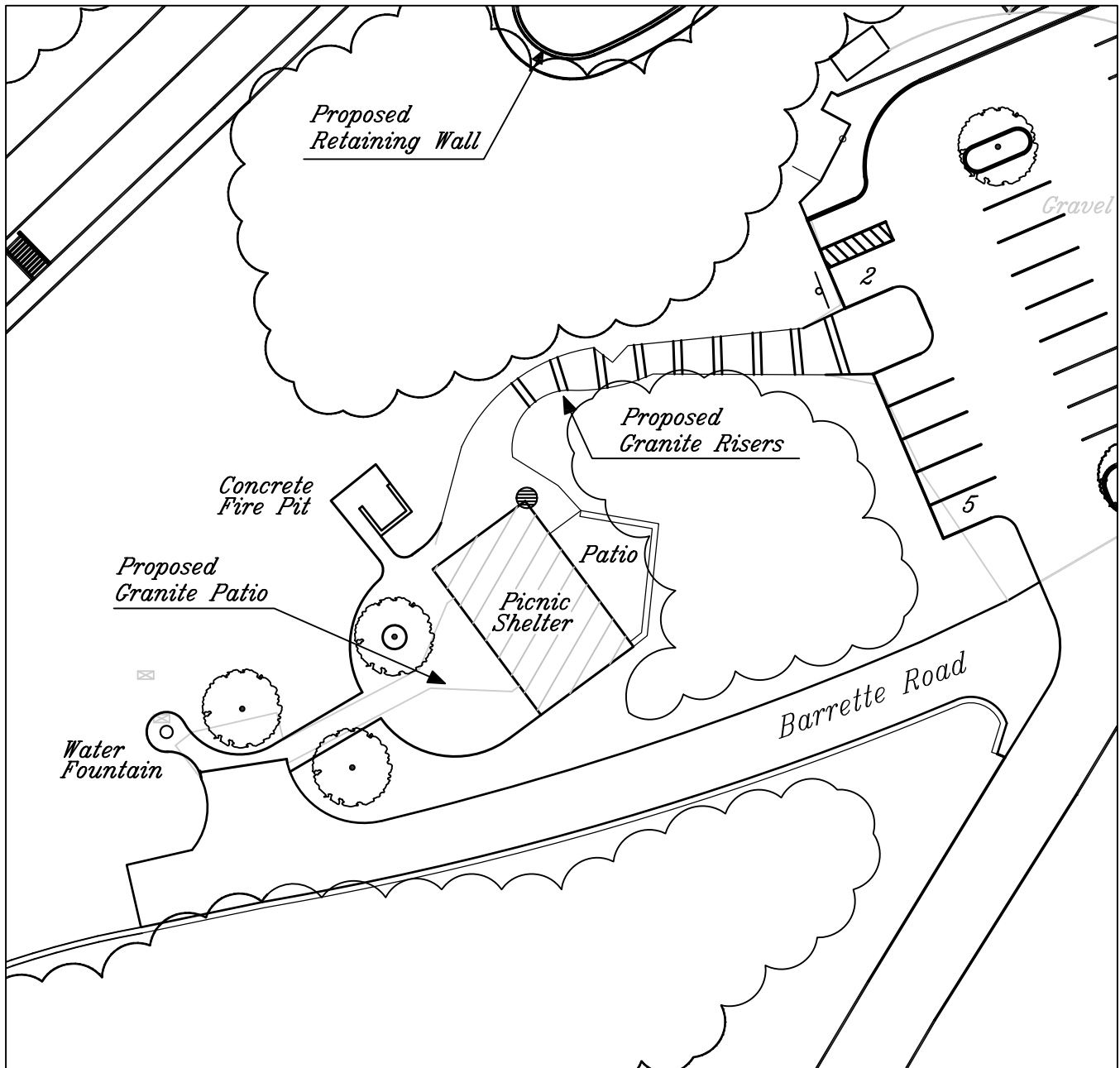


Description:

Kitty's Point is an exceptional vantage point within the park with views of Ram Island Light. Improvements include two handicap parking spaces and an accessible pathway from the handicap spaces to the interpretive area.



8.13 - Picnic Shelter Patio Concept



Description:

The relatively flat terrain on the southwestern side of the picnic shelter offers a great opportunity to provide expanded outdoor seating and patio space to use with the shelter. This area also serves as the vehicular access point for unloading supplies to use for rental activities.



Area 9 – Battery Blair and Central Parking Area

Area Description: Central Parking Area, Battery Blair Memorial with Entrance, Humphreys Road.



Recommendations:

- 9.1 Explore a separate parking area for RV vehicles.
- 9.2 Correct pavement grade at entrance to central parking lot.

Area 9 – Battery Blair and Central Parking Area

- 9.3 Install additional plantings in the central parking lot. See Central Parking Lot Concept.
- 9.4 Restrict pedestrian circulation leading from the deck of Battery Blair (southeast corner) toward The Green.
- 9.5 Patch the deteriorated deck area (south of the restored portion of Battery Blair) temporarily, to address potential safety concerns.
- 9.6 Explore the option of creating a Visitor’s Center in the open lawn area between the central parking lot and Battery Blair. Work with Battery Blair Study as significant grade changes could occur if the Battery is excavated. See Visitor’s Center – Option A Concept.
- 9.7 Provide selective removal of vegetation along the east side of Battery Blair to provide enhanced views to Ocean.



9.3 Central parking lot.

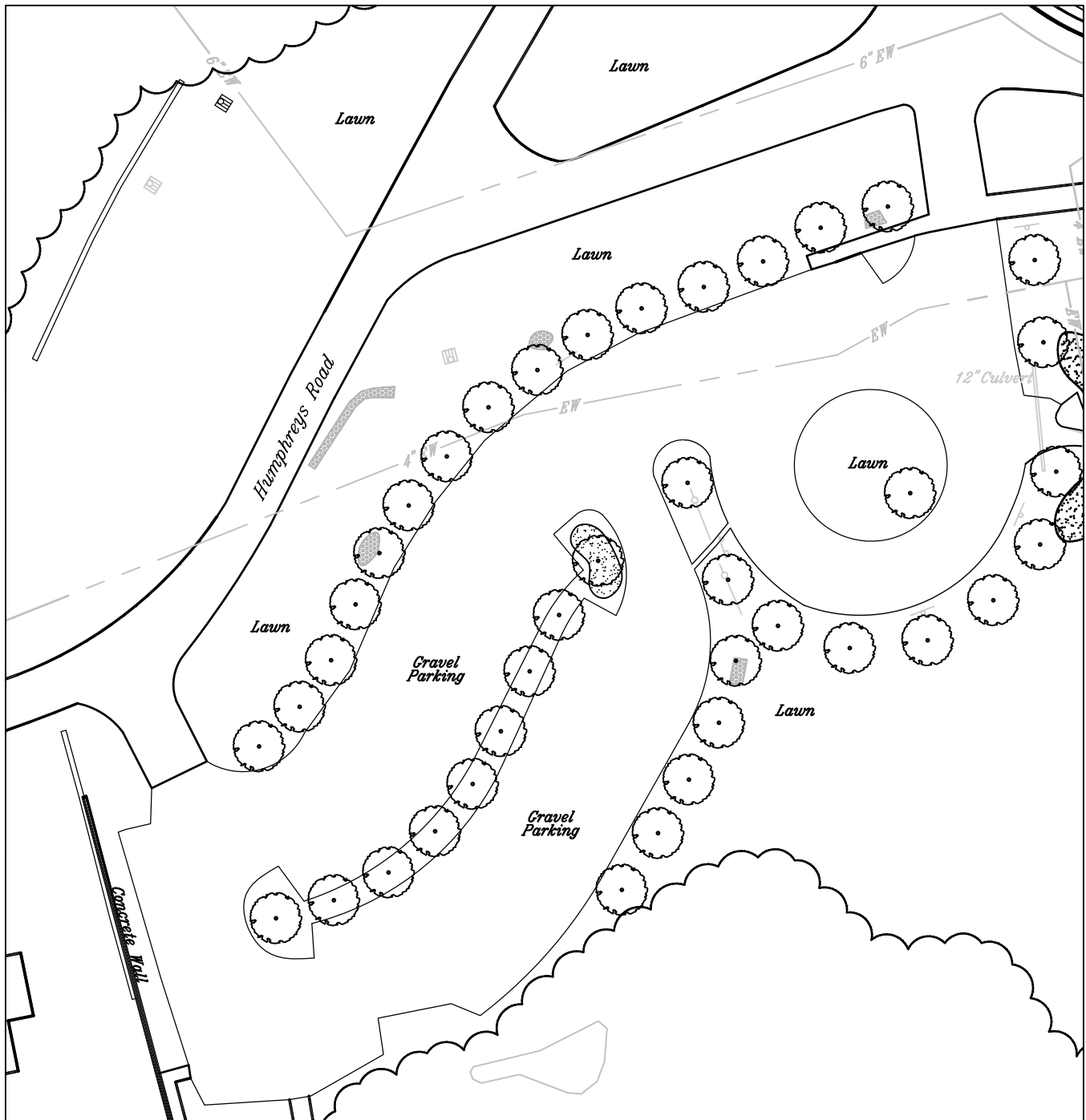


9.5 Battery Blair.



9.6 Proposed location for Visitor’s Center.

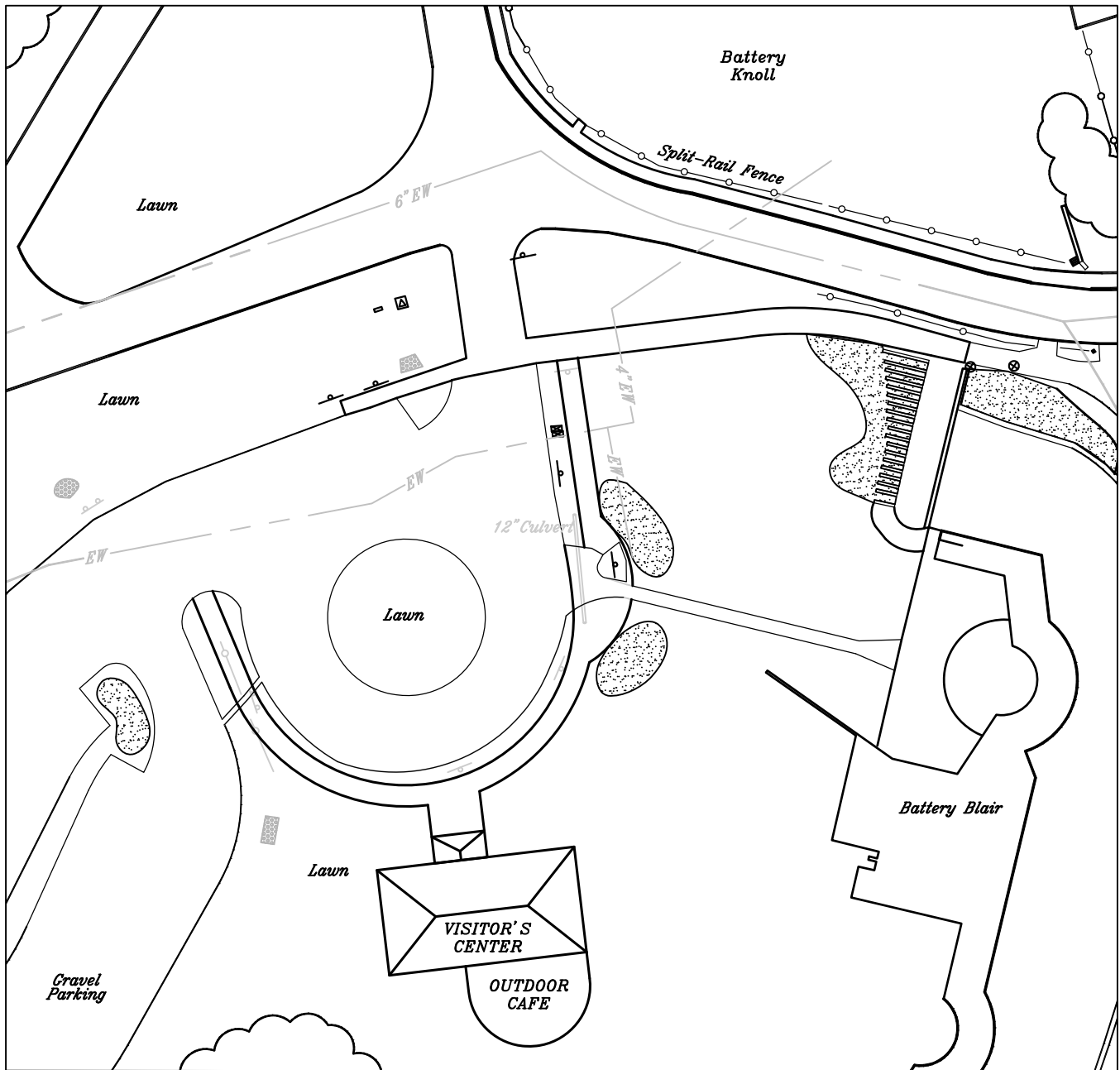
9.3 - Central Parking Lot Concept



Description:

The central parking area, located on the westerly side of Battery Blair, is the main parking lot for visitors to Portland Head Light and Battery Blair. Additional landscaping would improve the aesthetics of the area.





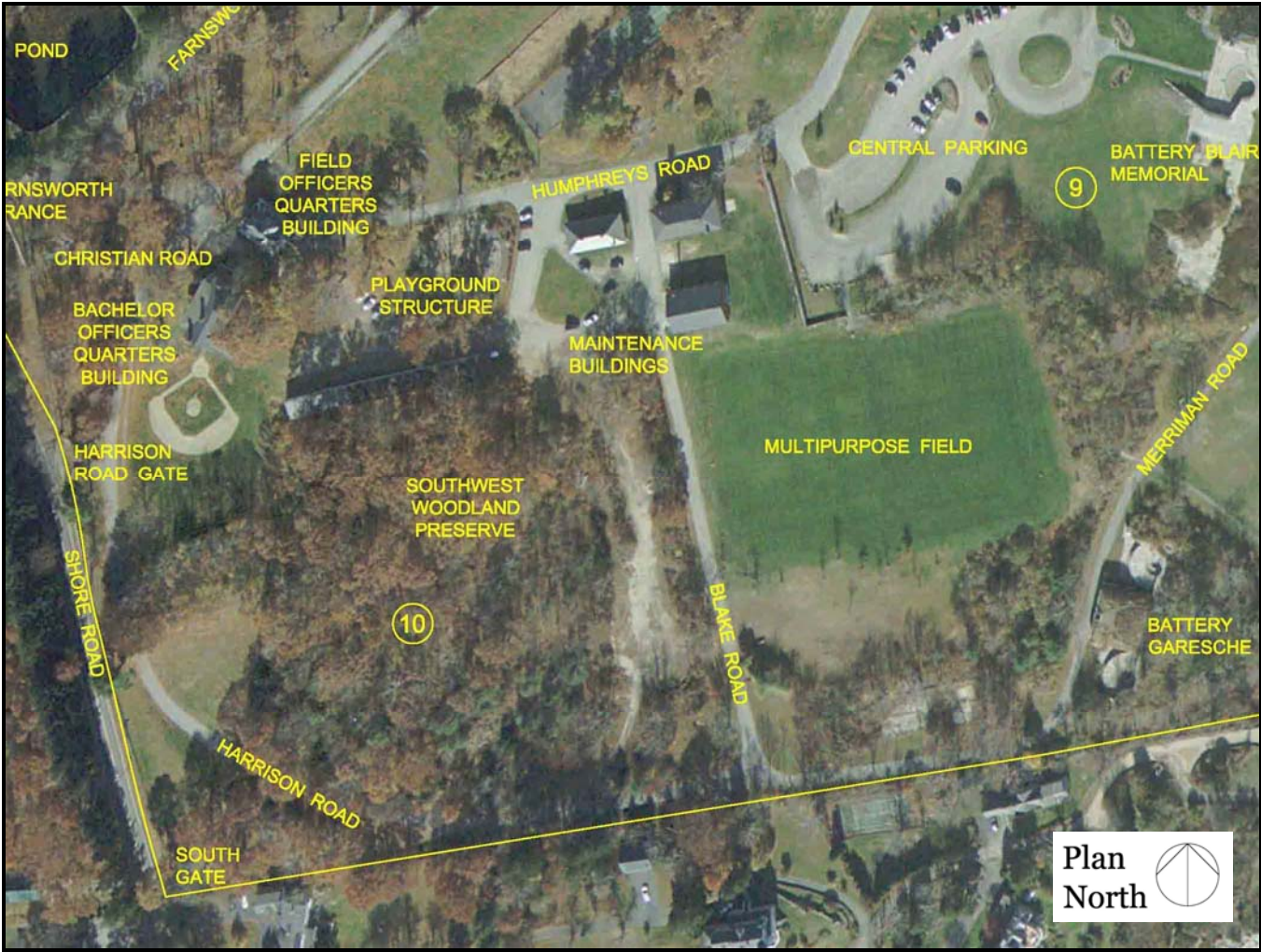
Description:

The lawn area to the east of the central parking lot, adjacent to Battery Blair, is one option for a Visitor's Center location within the park. The site is centrally located and adjacent to the primary attraction, Portland Head Light. The proposed Visitor's Center could include an open patio area for dining.



Area 10 – Southwest Preserve

Area Description: West of Merriam Road to east of Shore Road to south of Humphreys Road, Blake Road, Harrison Road, Multi-Purpose Field, Southwest Woodland Preserve, South Gate, Harrison Road Gate, Playground Structure, Ballfield, Maintenance Buildings.



Recommendations:

- 10.1 Replace chain link fence along Shore Road with matching ornamental fence used at the main entrance to the park.
- 10.2 Repair stone wall along Shore Road.
- 10.3 Coordinate pedestrian circulation improvements with the Shore Road Pathway plan.

Area 10 – Southwest Preserve

- 10.4 Create a paved sidewalk from the former main entrance (near pond) along the worn path to Harrison Road. Alignment should avoid impact to tree root systems.
- 10.5 Replace chainlink access gate at emergency egress (south gate) using the existing stone piers to frame the entry gate to match existing main entrance gate.
- 10.6 Create a loop trail within the Southwest Preserve connecting Harrison Road and Blake Road. See Walking Loop Concept.
- 10.7 Provide additional dog waste disposal dispensers at the following locations:
- Entry to off-leash area near the maintenance building.
 - Mid-point of the perimeter loop along the southern park boundary with Delano Park.



10.8 Stone wall along Blake Road.

- 10.8 Repair stone wall along Blake Road opposite the multi-purpose field.
- 10.9 Eliminate bituminous sidewalk along Harrison Road up to, but not including, in front of the Officers' Quarters building.
- 10.10 The maintenance building (former Artillery Engineer Storehouse) is another alternative for a Visitor's Center location within the park. This alternative would include renovation of an existing building, and could be incorporated into the parking lot improvements in the vicinity. Views of Portland Head Light are a benefit of this location.



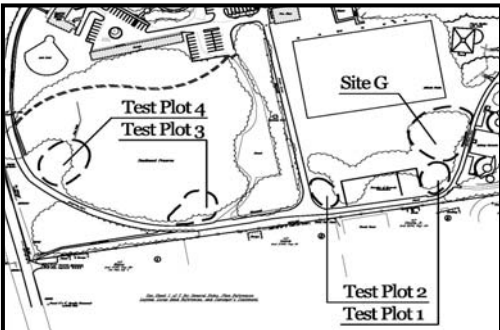
10.10 Potential building reuse for Visitor's Center.

Area 10 – Southwest Preserve

- 10.11 Reconfigure circulation and parking areas in the vicinity of the maintenance buildings to improve circulation, provide usable parking and maintain access to maintenance facilities. Proposed improvements are recommended to be gravel surface See Maintenance Area Parking Concept.
- 10.12 Define maintenance storage area. Identify current and long term needs and uses.
- 10.13 Address drainage and water problems next to mower maintenance building.
- 10.14 Investigate potential for a second picnic shelter to be located west of Merriam Road in close proximity to the multi-purpose field and central parking area. The structure would provide rental opportunities. See Second Picnic Shelter – Option B Concept.
- 10.15 Coordinate with the Arboretum development plans. See Arboretum Master Plan Sketch. Sites within Area 10 include:

- Site G – Fruit Orchard Site
- Test Plots 1 through 4

10.15 Arboretum Master Plan



10.11 Maintenance area parking lot.

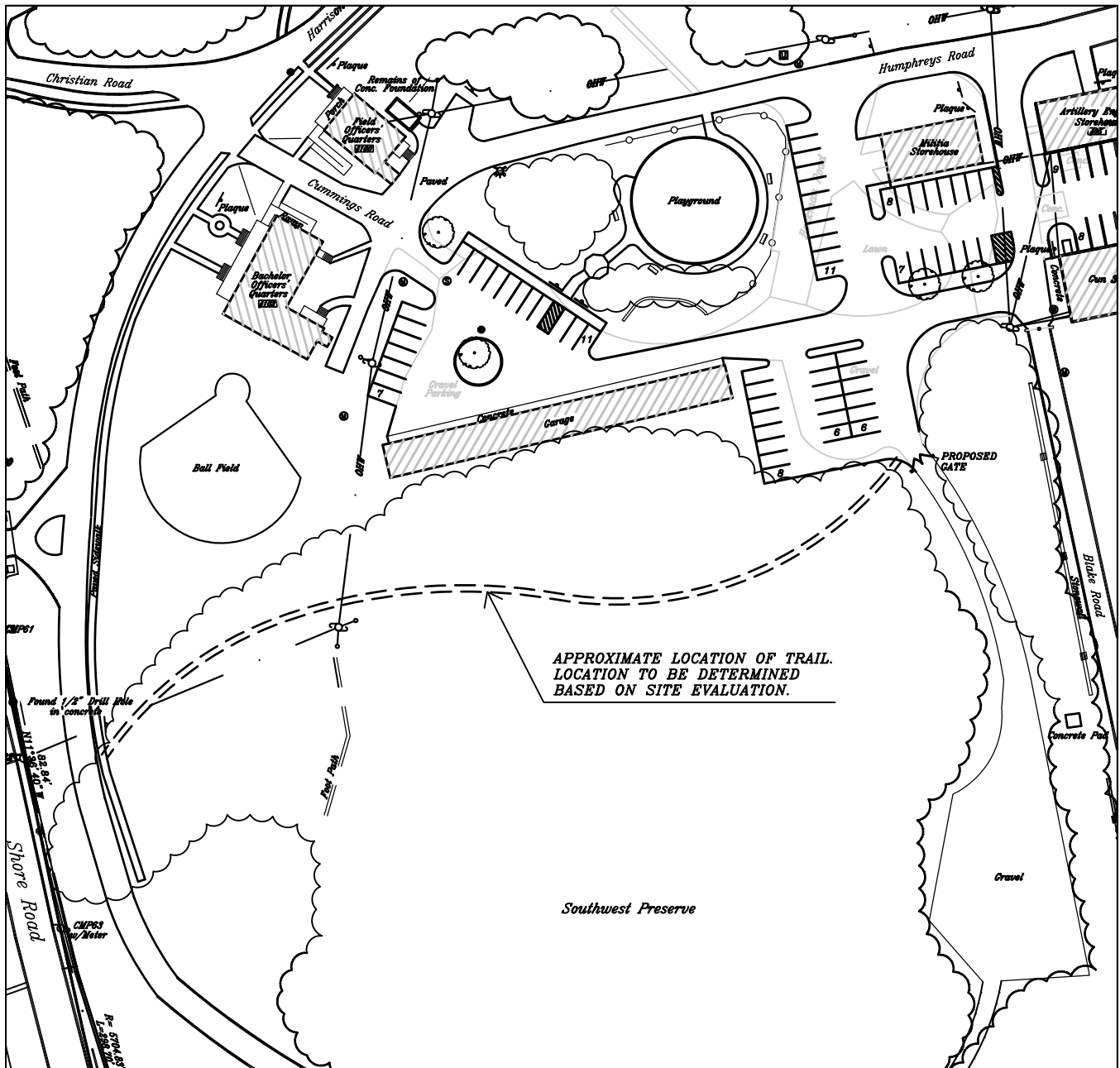


10.12 Maintenance storage area.



10.14 Proposed location for picnic shelter.

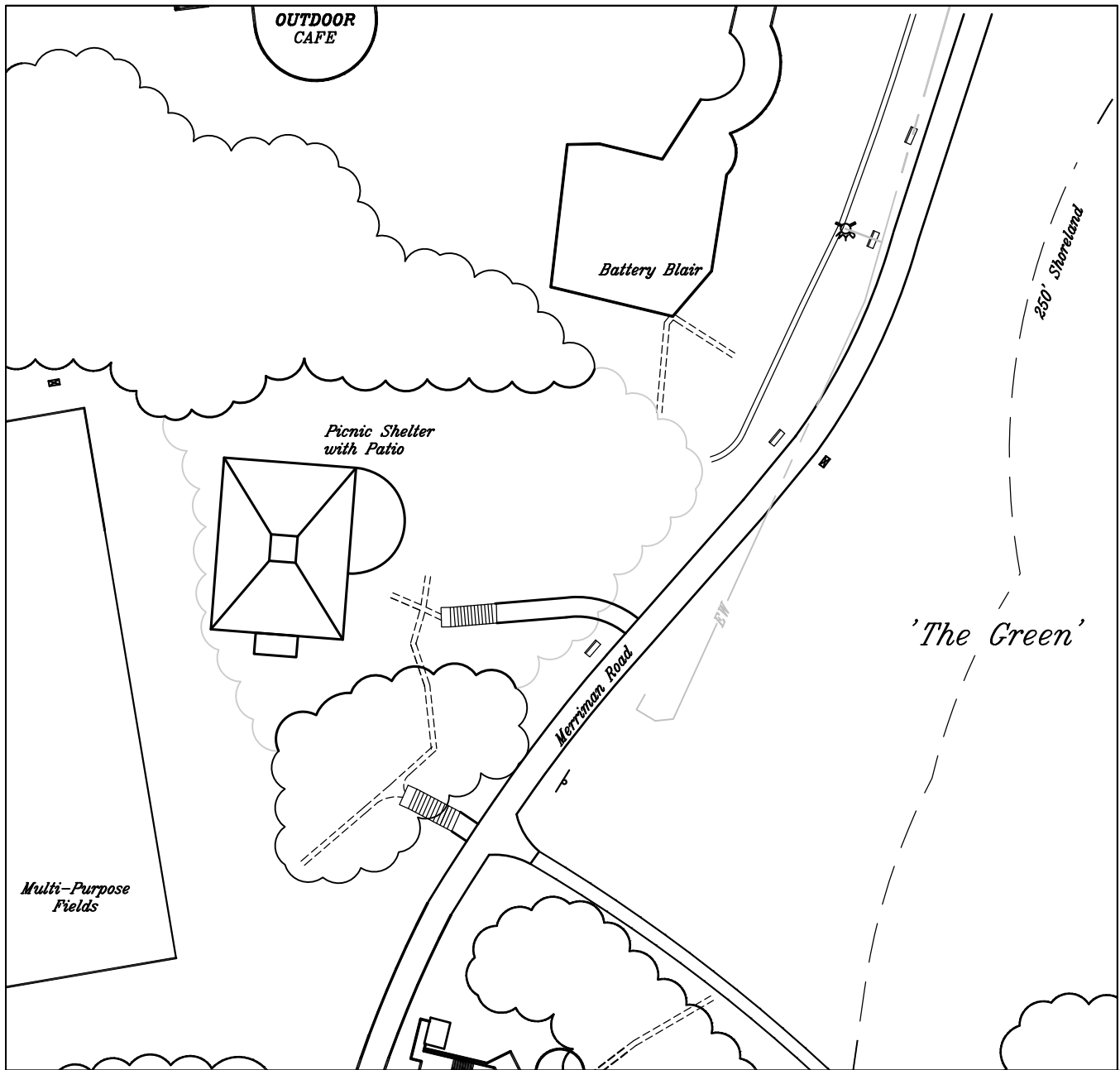
10.6 - Walking Loop Concept



Description:

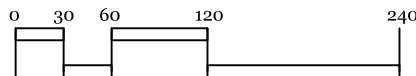
The addition of a trail connection between the vicinity of the maintenance buildings and Harrison Road will create a loop system and greatly enhance the trail experience for park users .





Description:

The area to the west of Merriman Road, adjacent to the multi-purpose field, is a wooded and underutilized area. This location provides a potential opportunity for a second picnic shelter.



Part 3.0

There are numerous design elements, park features and management methods used throughout the park. Using the same outline as the 2003 Master Plan Update, these items have been reviewed and categorized as follows:

- 3.1 Circulation and Parking
- 3.2 Signage
- 3.3 Utilities, Sanitation and Restroom Facilities
- 3.4 Structures
- 3.5 Park Ecology
- 3.6 Landscape Materials and Features
- 3.7 Park Management, Administration and Maintenance

Further detailed descriptions of existing conditions, proposed improvements and plan sketches are listed within Part 2.0 – Plan Recommendations by Location. Each observation and or recommendation is preceded with a reference number. For example, the number 1.3, would indicate Area “1”, recommendation “3”.

3.1 Circulation and Parking

Vehicular Circulation

- 1.3 Review the feasibility of improving the intersection of the main entrance road (Powers Road) and Ship Cove parking lot.
- 7.15 Improve vehicular and pedestrian accessibility at the intersection of the main leading access road (Ocean Road) and the road (Wheatly Road) leading to the grass overflow parking area.
- 9.2 Correct pavement grade at the entrance to central parking lot.
- 10.11 Reconfigure circulation and parking areas in the vicinity of the maintenance buildings to improve circulation, provide usable parking and maintain access to maintenance facilities.

Pedestrian Circulation

- 1.4 Widen sidewalk to six feet with a new curb along the northerly side of the main access road (Ocean Road) from the Ship Cove parking lot to the pull-off. Repair stone wall along the sidewalk as required.
- 1.6 Improve access to Goddard Mansion and Battery Keys from Ship Cove parking area. Install a walkway with esplanade between parking lot and Ship Cove.
- 1.12 Create a pathway loop along the Shore Road frontage, connecting existing paths.
- 1.13 Review option to enhance pedestrian access from Shore Road through the Chapel Road entrance. Consider gate relocation and aesthetic improvements.
- 1.15 Address erosion and slope stability of existing stone steps along informal path leading from Chapel Road entrance through the woods along Shore Road.
- 1.17 Extend sidewalk at main entrance along the northern side of road to main gate. Add crosswalk outside gate connecting to sidewalk on southern side of main entrance.
- 2.1 Improve accessibility and enhance pathways to Goddard Mansion.
- 2.4 Restrict pedestrian circulation over areas that are susceptible to erosion.

- 2.5 Stabilize eroded portions of social pathways and revegetate discontinued paths.
- 2.6 Improve aesthetics and circulation adjacent to Battery Keyes.
- 4.2 Evaluate Cliff Walk safety along top of slope, identify safety improvements and or modifications to path location.
- 4.4 Evaluate social pathways and consider alternatives: formalize social pathways or remove social pathway by adding vegetation to reduce erosion.
- 5.2 Install natural stone pavers in worn area adjacent to the shipwreck sign.
- 7.4 Reconstruct existing stone stairs located on the southerly side of the pond.
- 7.8 Repair loose handrail on stairs located at the northwesterly side of the pond.
- 7.9 Stabilize worn pathway leading through the woods along Shore Road from the main entry gate in a northerly direction.
- 7.15 Improve vehicular and pedestrian accessibility at the intersection of the main access road (Ocean Road) and the road (Wheatly Road) leading to the grassed overflow parking area.
- 8.4 Improve pedestrian accessibility to the sloped area west of the bandstand (between Harrison and Farnsworth Roads).
- 8.5 Repair concrete stairs and add handrail in the vicinity of the bandstand.
- 8.8 Construct a new sidewalk from the crosswalk leading from Battery Knoll to Kitty's Point.
- 8.9 Extend sidewalk from the crosswalk to the picnic shelter parking lot.
- 8.10 Redefine the intersection of the main access road (Ocean Road) and Farnsworth Road to create two handicap parking spaces. Construct a new ADA sidewalk from the handicap parking spaces leading up to Kitty's Point.
- 9.4 Restrict pedestrian circulation leading from the deck of Battery Blair (southeast corner) toward The Green.
- 10.3 Coordinate pedestrian circulation improvements with the Shore Road Pathway plan.

- 10.4 Create a paved sidewalk from the former park entrance off Shore Road (near pond) along the worn path to Harrison Road. Alignment should avoid impact to tree root systems.
- 10.6 Create a loop trail within the Southwest Preserve connecting Harrison Road and Blake Road.

Parking Lot Facilities

- 1.5 Expand Ship Cove parking area and incorporate turn-around at the end.
- 1.14 Evaluate the need for existing informal parking at the beginning of Chapel Road.
- 7.1 Redefine paved area at the former park entrance off Shore Road (near pond) to delineate parking spaces and address drainage issues. Ensure that the proposed design is compatible with the Beach to Beacon road race.
- 8.6 Reconfigure picnic shelter parking lot to provide more efficient use of space.
- 8.10 Redefine the intersection of the main access road (Ocean Road) and Farnsworth Road to create two handicap parking spaces.
- 9.1 Explore a separate parking area for RV vehicles.
- 10.11 Reconfigure circulation and parking areas in the vicinity of the maintenance buildings to improve circulation, provide usable parking and maintain access to maintenance facilities.

3.2 Signage

General:

- Coordinate with the Arboretum development plans.
- 1.16 Add interpretive signage for former Chapel.

- 3.2 Review adding additional interpretive displays as well as relocating the Kitty's Point display panels once the vegetation has been removed along the seaward side of Battery Knoll.
- 4.3 Review existing signage for accessibility and safety identification for Cliff Walk.
- 8.14 Replace existing wood sign ("Please keep vehicles off the grass") next to picnic shelter parking lot with a new sign that is consistent with park signage.

3.3 Utilities, Sanitation and Restroom Facilities

- 10.7 Provide additional dog waste disposal dispensers at the following locations: Entry to off-leash area near maintenance building and mid-point of the perimeter loop along the southern park boundary with Delano Park.

3.4 Structures

- 1.1 Review and repair Central Power Station along the side of the main entrance road to avoid structural and water damage. Remove vegetation from lower roof and evaluate use of bituminous sealant.
- 1.7 Upgrade picnic area slab at Ship Cove, including potential use of a canopy structure.
- 5.1 Evaluate functional operation of the gift shop, including accessibility to inventory. Identify needs and issues.
- 6.3 Evaluate restoration of deteriorated concrete shed (former privy) at Battery Garesche to address potential safety concerns.
- 7.14 Review the feasibility of a group reception area at the westerly end of the overflow parking area.
- 9.5 Patch the deteriorated deck (south of restored portion of Battery Blair) temporarily, to address potential safety concerns.

- 9.6 Explore the option of creating a Visitor's Center in the open lawn area between the central parking lot and Battery Blair.
- 10.10 Explore option to convert the two story maintenance building to a Visitor's Center.
- 10.14 Investigate potential for a second picnic shelter to be located west of Merriam Road in close proximity to the multi-purpose field and central parking area.

3.5 Park Ecology

General:

- Coordinate with the Arboretum development plans.
- 1.2 Remove invasive understory vegetation located on the southerly side of the main entrance road (Powers Road).
 - 1.10 Provide an on-going maintenance program to remove invasive plant material within the Chapel Road Preserve.
 - 1.11 Remove invasive vegetation and damaged vegetation along Shore Road frontage.
 - 2.2 Remove invasive plant material surrounding the Goddard Mansion
 - 2.4/3.3 Restrict pedestrian circulation over areas that are susceptible to erosion.
 - 2.5 Stabilize eroded portions of social pathways and revegetate discontinued paths.
 - 3.1 Provide an on-going maintenance program to remove invasive vegetation along the seaward side of Battery Knoll.
 - 4.1 Provide an on-going maintenance program to remove invasive vegetation along the Cliff Walk.
 - 6.2 Remove invasive vegetation along Cliff Walk to enhance views.
 - 7.6 Remove existing bittersweet infested arborvitae along northeasterly end of pond.
 - 7.7 Remove existing invasive vegetation from slope along the westerly side of pond.

3.6 Landscape Materials and Features

General:

- Coordinate with the Arboretum development plans.
 - See above listed Park Ecology items for invasive vegetation recommendations.
- 1.8 Review visual appearance and design of the fence enclosure around the Porto-lets.
- 1.9 Relocate swing sets to improve vista from “The Meadow”.
- 1.13 Review option to enhance pedestrian access from Shore Road through the Chapel Road entrance. Consider gate relocation and aesthetic improvements.
- 2.3 Coordinate potential landscape improvements with the overall program for Friends of Goddard Mansion.
- 2.6 Improve aesthetics and circulation adjacent to Battery Keyes.
- 6.4 Consider supplemental plantings along park perimeter to sustain buffer along Delano Park.
- 7.2 Replace chain link fence and access gate at the former park entrance with matching ornamental fence used at the main entrance to the park.
- 7.3 Repair top of stone wall along the southerly edge of the pond.
- 7.5 Restore lawn area beneath existing spruce trees near gated entrance. Provide loam to cover exposed roots.
- 7.10 Remove bituminous pavement that extends beyond the easterly end of the bleachers.
- 7.11 Remove deteriorated bituminous sidewalk adjacent to the bleachers, potentially reclaim material in place and supplement with bituminous reclaim.
- 7.13 Remove remnant sidewalks that cross grass areas used for overflow parking.
- 8.1 Explore the option of expanding the children’s playground area as well as age group and natural play elements.

- 8.2 Remove concrete pavement between former officers' quarters and restore area to lawn with paved walk between buildings and parking.
- 8.3 Eliminate bituminous sidewalk along Harrison Road up to the band stand.
- 8.7 Install flowering trees and shrubs in planting area separating Ocean Road and the picnic shelter parking lot.
- 8.11 Repair stonewall between the picnic shelter and tennis courts.
- 8.12 Evaluate picnic shelter fireplace for structural integrity of firebox and safe operating condition.
- 9.3 Install additional plantings in the central parking lot.
- 9.7 Provide selective removal of vegetation along the east side of Battery Blair to provide enhanced views to the Ocean.
- 10.1 Replace chain link fence along Shore Road with matching ornamental fence used at the main entrance to the park.
- 10.2 Repair stone wall along Shore Road.
- 10.3 Coordinate improvements with the Shore Road Pathway plan.
- 10.5 Replace chain link access gate at emergency egress (south gate) using the existing stone piers to frame the entry gate to match existing main entrance gate.
- 10.8 Repair stone wall along Blake Road opposite the multi-purpose field.
- 10.9 Eliminate bituminous sidewalk along Harrison Road up to, but not including, in front of the officers' quarters building.
- 10.13 Address drainage and water problems next to the mower maintenance building.

3.7 Park Management, Administration and Maintenance

General:

- Coordinate with the Arboretum development plans.
- See above listed Park Ecology items for invasive vegetation recommendations.
- Refer to the Fort Williams Forestry and Arboriculture Assessment and Maintenance Program for additional recommendations.

10.12 Define maintenance storage area. Identify current and long term needs and uses.

Part 4.0

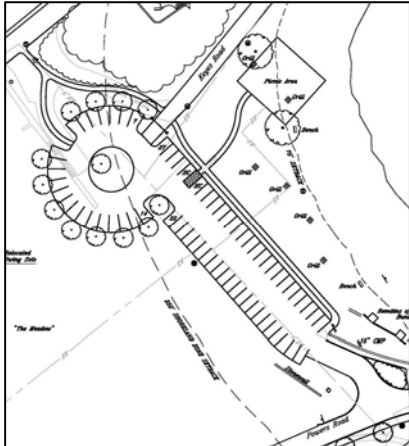
The recommendations in this report have been reviewed by the Fort Williams Advisory Commission and ranked into a list of the top ten improvements to focus funding upon. The list below is based on a ranking process with 10 points assigned to the most important improvement and 1 point to the recommendation with lowest priority. Further detailed descriptions of existing conditions, proposed improvements and plan sketches are listed within Part 2.0 – Plan Recommendations by Location. Each observation and or recommendation is preceded with a reference number. For example, the number 1.3 would indicate Area “1”, recommendation “3”.

Top Ten Recommendations

Priority 1

1.5 *Expand Ship Cove parking area and incorporate turn-around at the end.*

The existing parking lot has 47 parking spaces and is a dead-end configuration. The proposed improvements expand the lot to 70 parking spaces and include a cul-de-sac design to improve circulation through the parking lot. The northern end of the parking area would be improved for pedestrian access to both the Goddard Mansion and Battery Keys. Pedestrian access would be added between the parking lot and Ship Cove.



Estimated Cost: \$74,000*

* Fee assumes priority 1, 2, 5 and 7 receive Planning Board approval simultaneously and 1, 2, and 7 are constructed in one phase.

Prioritization

Priority 2

1.7 Upgrade group picnic area slab at Ship Cove, including potential use of a canopy structure.

Although in poor condition, the existing picnic area slab is frequently used and is a destination point for visitors to Ship Cove beach area. Recommended improvements include replacing the existing slab, incorporating a handrail, and potentially adding a canopy to the area for expanded use and or rental opportunities.



Estimated Cost: \$35,000*

* Fee assumes priority 1, 2, 5 and 7 receive Planning Board approval simultaneously and 1, 2, and 7 are constructed in one phase.

Priority 3

7.14 Review the feasibility of a group reception area located at the westerly end of the overflow parking area above the Parade Grounds.

The area between Wheatley Road and Fogg Road, adjacent to the former Fire House building, provides an ideal space for a reception area, with views to Ram Island Light and close proximity to ball fields and the tennis courts. The open fields provide overflow parking for large group events. Extension of water and electrical services is required and is included in the estimated cost. Improvements to this area of the park would improve rental opportunities for large events.



Estimated Cost: \$64,000

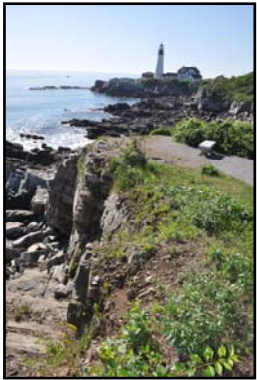
Prioritization

Priority 4

4.2 Evaluate Cliff Walk safety along top of slope, identify safety improvements and or modifications to path location.

Some concerns have been raised about the safety and accessibility of the Cliff Walk. Alternatives for aesthetically pleasing edge restraints or other safety options should be evaluated.

Estimated Cost: \$58,000

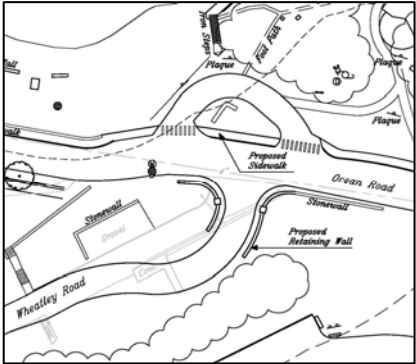


Priority 5

7.15 Improve vehicular and pedestrian accessibility at the intersection of the main access road (Ocean Road) and the road (Wheatley Road) leading to the grass overflow parking area.

The area at the intersection of Wheatley Road and Ocean Road has potential for improved pedestrian and vehicular circulation. The tight turning radius from Ocean Road onto Wheatley Road, for access to the overflow parking area, has been redesigned. The addition of a sidewalk and crosswalk delineation at the pull-off on Ocean Road, will improve pedestrian safety.

Estimated Cost: \$61,000*



* Fee assumes priority 1, 2, 5 and 7 receive Planning Board approval simultaneously.

Prioritization

Priority 6

1.1 *Review and repair Central Power Station to avoid structural and water damage. Remove vegetation from lower roof and evaluate use of bituminous sealant.*



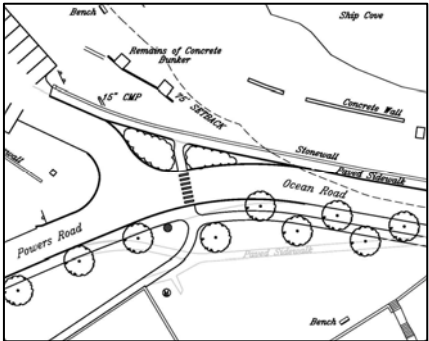
The Central Power Station is the first structure viewed by visitors when driving along the park entrance road. The structure is in need of structural stabilization and aesthetic improvements.

Estimated Cost: \$45,000

Priority 7

1.3 *Review the feasibility of improving the intersection of the main entrance road (Powers Road) and Ship Cove parking lot.*

1.4 *Widen sidewalk to six feet with a new curb along the northerly side of the main access road (Ocean Road) from Ship Cove parking lot to the pull-off. Repair stone wall along the sidewalk as required.*



The existing intersection of Powers Road and Ocean Road near the Ship Cove parking lot entrance does not provide an easy entrance from Powers Road into the parking lot. Reconfiguration of the intersection will improve vehicular and pedestrian circulation in the area as well as provide an opportunity for wayfinding signage and potential for landscape improvements. The addition of and widening of existing sidewalks and crosswalks in the area will improve pedestrian safety.

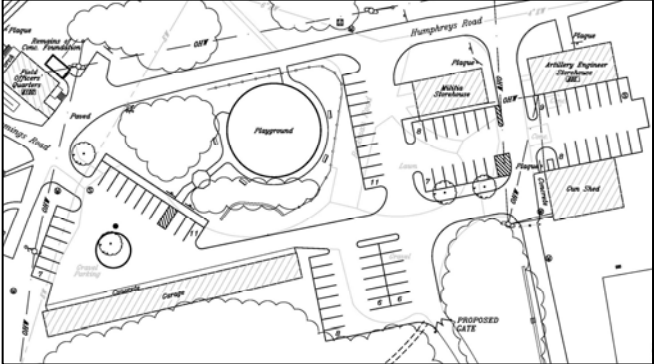
Estimated Cost: \$65,000*

* Fee assumes priority 1, 2, 5 and 7 receive Planning Board approval simultaneously and 1, 2, and 7 are constructed in one phase.

Prioritization

Priority 8

10.11 Reconfigure circulation and parking areas in the vicinity of the maintenance buildings to improve circulation, provide usable parking and maintain access to maintenance facilities.



The vicinity of the maintenance building is a well used parking location within the park. The Maintenance Area Parking Plan provides an improved arrangement for the parking which would better define parking spaces, improve circulation, and provide improved safety for pedestrians in the area. A gravel parking lot is proposed.

Estimated Cost: \$122,000 (gravel surface)

Priority 9

10.14 Investigate potential for a second picnic shelter to be located west of Merriam Road in close proximity to the multi-purpose field and central parking area.



The area east of the multi-purpose field, overlooking “The Green”, is a wooded and underutilized area. This location provides a potential opportunity for a second picnic shelter with expansive views to the ocean. The proposed structure could increase rental opportunities within the park.

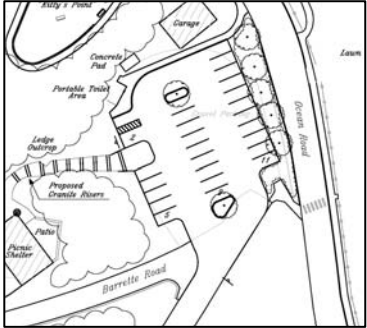
Estimated Cost: \$200,000

Prioritization

Priority 10

8.6 *Reconfigure picnic shelter parking lot to provide more efficient use of space.*

The gravel parking area, adjacent to the picnic structure, lacks definition to maximize parking. Improvements proposed include landscaped islands, curbing, and sidewalks around the perimeter of the lot. The existing lot parks 22 vehicles and the proposed improvements would allow parking for 27 vehicles.



Estimated Cost: \$41,000 (gravel surface)

The above estimated costs are based on current cost indexes for materials, labor and general contractor’s profit and overhead. It is emphasized that the project items and related costs are determined from what is shown on the conceptual sketches and are preliminary in nature and not based on detailed designs.

The estimated costs include detailed surveys, landscape architectural design fees, and local planning board approvals. Costs do not include additional engineering studies, architectural design fees, soils investigation, structural engineering, etc.

Cost savings can be realized through grouping improvement projects for surveys, design fees and approvals. An example is the Powers and Ship Cove parking lot Intersection Concept (1.3) and Sidewalk Reconstruction Concept (1.4). * Budget estimates for Priority 1, 2, 5 and 7 assume that all four projects will be permitted at the same time and that 1,2, and 7 will be constructed at the same time. Fees reflect cost savings associated with approvals and construction administration.

Part 5.0

5.1 Master Plan Summaries

- 5.1.1 Fort Williams Park Master Plan 1990
- 5.1.2 Fort Williams Park Master Plan Update 2003

5.2 Fort Williams Park Master Plan Update Questionnaire

- 5.2.1 Questionnaire
- 5.2.2 Summary Results of Questionnaire

5.3 Other Reports and Studies

- 5.3.1 Rest Facility Planning Study
- 5.3.2 Goddard Mansion
- 5.3.3 Forestry and Arboriculture Assessment
- 5.3.4 Fort Williams Projects
- 5.3.5 Arboretum Master Plan

5.4 Plans and Maps

- 5.4.1 Fort Williams – A Walking Guide Map and History
- 5.4.2 Arboretum Master Plan

5.1.1 Fort Williams Park Master Plan 1990

Master Plan of Fort Williams Park – Cape Elizabeth, Maine was completed in November 1990 by Terrien Architects. This master plan included recommendations for improvements throughout the park. Below is a summary of these recommendations with completion status (Yes, No, Partial) as noted by the Fort Williams Advisory Commission in November 2010. The Comments section notes the date of completion or other relevant information. The asterisk (*) notes a priority project which was to be completed in the next 3 to 5 years.

Yes	No	Partial	Description	Comments
			A. Parking and Vehicle Circulation	
			1. Picnic Shelter Parking Area:	
	X		Phase I, delineate parking spaces and buffer	
	X		Phase II, expand parking area *	
X			2. Expansion and Reconfiguration of Parade Ground Parking Area (30+ spaces) *	1991 – 70+ spaces
X			3. New Parking at Portland Head Light *	Completed 1992
X			4. Central Parking Area *	
X			Phase I: 35 parking spaces and 4 bus parking spaces	Completed 1992
X			Phase II: 95 parking spaces	Completed 1994
X			5. Handicap Parking and Drop-Off for Battery Knoll *	Completed 1990
	X		6. Ship Cove Parking turnaround	moderate priority
	X		7. Girl Scout Council Parking Configuration	low priority
			B. Pedestrian Circulation Improvements	
	X		1. Pedestrian Boardwalk along Ship Cove *	
X			2. Ship Cove: Handicap accessibility to picnic area and Battery Keyes *	Completed 1993
		X	3. Repair and/or removal of miscellaneous deteriorated walks and stairs	Ongoing

Yes	No	Partial	Description	Comments
			C. Landscape Improvements	
	X		1. Ship Cove *	
	X		Planting Scheme for Parking Lot	
	X		Picnic Area Rehabilitation	
		X	2. Restoration of Garden Pond *	Lower stone wall rebuilt in 1993
			3. Goddard Mansion	
X			Interior stabilization of soil	
	X		Remnant Garden Restoration	
		X	Formal Lawn Restoration	Westerly (Front) Lawn Renovated
X		X	4. Erosion Control and Restoration Projects *	1 st Phase Completed 1991
	X		5. Parking lot buffering (inc. under parking lots)	
			6. Miscellaneous projects:	
			Parks and Recreation Storage Area	Organized
	X		Power House Improvements	
X			Battery Blair Landscape Improvements	
X			New Multipurpose Field on Former Tenting Grounds	
X			Arboretum Planting (donated plants)	
			D. List of Possible Future General Improvement Projects	
X			1. New Signage Improvements	Informational Signs Added in 2006
			2. Structural Review and/or Demolition of Structure along entry drive (Powerhouse)	
X			3. Main Entry Gates and Fencing	Completed 2009
X			4. New Wood Guard Rail along Entry Road	Completed 1998
X			5. Battery Blair Restoration	Work done in 1999 & 2011
		X	6. Battery Keyes Restoration	Roof Rep. 2009
	X		7. Battery Garesche Restoration	
		X	8. New Granite Post and Wood Rail Fencing along Battery Knoll	

5.1.2 Fort Williams Park Master Plan Update 2003

Master Plan Update 2003 - Fort Williams Park – Cape Elizabeth, Maine was completed April 7, 2003 by Land Use Consultants. This master plan included recommendations for improvements throughout the park. Below is a summary of these recommendations with completion status (Yes, No, Partial) as noted by Mitchell & Associates.

Yes	No	Partial	Description
			2.1.1 Vehicular Circulation and Parking
	X		Set current parking capacity as limit.
X			Continue to use lawn areas for periodic overflow-event parking.
X			Study options for Ship Cove parking.
			2.1.2 Pedestrian Circulation
	X		Improve buffers that effectively separate people and cars.
X			Improve the location and identification of pedestrian crossings.
X			Give drivers advanced warning of the presence of pedestrian crossings or instances where people may be in the road.
X			Minimize or avoid situations where people are allowed to use Park roads as sidewalks.
			2.2 Signage
X			Uniform design standards with clear identification of materials, forms and construction methods.
X			A clearly organized hierarchy of signage types and sizes for both vehicular and pedestrian circulation uses.
X			A comprehensively documented inventory of existing Park signage types, locations and texts.
			2.3 Utilities / Sanitation
	X		Review the 1995 Rest Facility Report for Options and Costs.
	X		Determine how many facilities are to be provided throughout the Park.
	X		Research options for self-contained sanitation facilities
	X		Present options and preliminary cost estimates to the FWAC.
	X		Identify and recommend alternative sites.
	X		Review fit of unit enclosures with Park architecture.

Yes	No	Partial	Description
			2.4 Structures
X			Identify key historical features and conditions.
	X		Outline educational and interpretive goals.
X			Develop educational and interpretive approaches to communicate historical significance of Park features and conditions.
	X		Prepare preliminary prototype studies for educational and interpretive services for selected historical features and conditions.
X			Prepare preliminary prototype format for inventory of all structures and buildings.
X			Retain architects and engineers to prepare detailed Assessment of historic structures and military structures e.g. Battery Garesche.
X			Submit findings and recommendations to FWAC.
			2.5 Park Ecology
X			Identify and locate specific trees/shrubs or areas of vegetation that require management.
X			Meet with Certified Arborist to request review and evaluation of existing vegetation. Request recommendations for specific situations or trees.
X			Meet with Cape Elizabeth Tree Warden to review recommendations for specific situations or trees submitted by a Certified Arborist.
	X		Request preliminary cost estimates for recommended work.
X			Submit findings and recommendations to FWAC.
			Specific recommendations (see section 2.5)
			2.6.1 Existing Vegetation and Lawn Areas
X			Identify and locate specific trees/shrubs or areas of vegetation that require management.
X			Meet with Certified Arborist to request review and evaluation of existing vegetation.
	X		Request preliminary cost estimates for recommended work.
X			Submit findings and recommendations to the FWAC.
	X		Identify and review specific lawn areas, including specific maintenance needs for each lawn area.
	X		Provide scheduled maintenance of topdressing, periodic turf renovation, overseeding, and regular aeration for general lawn areas.
		Ongoing	Coordination of maintenance needs and program with the Town's Parks Personnel
	X		Submit findings and recommendations to FWAC.
			2.6.2 Existing Walls
		Ongoing	Provide ongoing repairs to stonewalls.

Yes	No	Partial	Description
			2.6.3 Landscape Improvement Opportunities
		X	Prepare master planting plan program.
X		Ongoing	Plant trees indigenous to the rugged climatic and growing conditions of the Park.
X			All landscape improvements should assess ongoing maintenance requirements.
	X		Prepare preliminary cost estimates for recommended work.
X			Submit findings and recommendations to FWAC.
			Benches, Tables and Trash Receptacles
X			Continue Town Policy of “carry in carry out”.
X			Develop an approach to locating specific venues within the Park that are appropriate for siting benches and picnic tables.
	X		Prepare preliminary cost estimates for recommended improvements.
	X		Submit findings and recommendations to FWAC.
			Park Management, Administration and Maintenance
X			Road and parking maintenance/resurfacing.
		Ongoing	Management of trees and shrubs or areas of vegetation.
		Ongoing	Maintaining Park sanitation.
		Ongoing	Maintaining the health of the Park ecology.
		Ongoing	Monitoring Park safety and the mitigation of hazards to Park visitors.
		Ongoing	Maintaining sites and features of historic, cultural and educational significance.

Summary Results of Questionnaire

The objective of the questionnaire was to solicit information to help the Fort Williams Advisory Commission to provide a better understanding of the community's use of the park and to identify issues, concerns and future direction for maintaining the park to be included in the updated Master Plan. The information sought included intensity of user groups, frequency of use, safety and other concerns, maintenance issues, demand for new use opportunities, support for revenue generating opportunities and other public comments.

There were 395 respondents to the on-line questionnaire of which 80% identified themselves as residents of Cape Elizabeth. The questionnaire was conducted using Survey Monkey online with links posted on the Town's Website and other locations. Paper copies were available at the Town Hall and Library. Results collected between June 7 and July 22, 2011, were posted on the Town's website and presented at the Public Forum meeting on September 21, 2011.

The following is a summary of key responses:

Use of the Park:

The top five activities within the park (ranked most to least) include:

1. Walking
2. Sight-seeing
3. Passive recreation
4. Dog walking
5. Picnicking

The top five areas of the park which are visited (ranked most to least) include:

1. Cliff Walk
2. Portland Head Light grounds
3. The pond and parade grounds
4. Playground
5. The green at Battery Garesche

Summary Results of Questionnaire

The top new activities and/or resources to add to the Park (ranked most to least) include:

1. Like it the way it is, keep it natural
2. Concerts/music
3. Permanent and/or more restrooms
4. Vendors
5. More trash cans and recycle bins
6. Weddings
7. Community events and festivals
8. Visitor's center
9. Upgrades for playground and cater to wider age group

Accessing the Park:

The majority of respondents (88%) access the park using an automobile, over half access the park on foot and one third access via bicycle. Over 36% access the park more than once a week, 25% access more than once a month and 14% access once a day.

Park Improvements:

Assuming available funding, improvements supported by respondents (ranked most to least) include:

1. Preserve fortifications/batteries
2. Restore the garden pond
3. Create permanent restrooms
4. Make a facility available for function use
5. Restore the parade grounds bleachers
6. Preserve the Goddard Mansion

The most important changes that respondents would like to see in the park (ranked most to least) include:

1. Charge tour busses and trolleys
2. No change, keep it undeveloped
3. Goddard Mansion restoration
4. Maintain structures

Summary Results of Questionnaire

5. Public restrooms
6. Restore the bleachers
7. Charge a reasonable fee
8. Improve maintenance
9. Control invasive plants, including poison ivy
10. Preserve battery remains

The overwhelming majority (94%) of respondents feel that the park has adequate parking.

Feedback about the arboretum was requested. The top five responses for additional comments (ranked from most to least) include:

1. Current plans are good as they are
2. Add outdoor and educational classroom areas for all ages
3. Add children's gardens
4. Enjoy the natural environment
5. Would like formal gardens

Maintenance/Management:

The majority of respondents (88%) feel that the park is well maintained. Volunteer days are in favor by 92% of respondents.

Revenue generation:

The majority of respondents, 81% agree that the Town should increase revenue generated from the park to defray management and maintenance costs. Rental of areas of the park for functions are favored by 78% of respondents. The most popular options for revenue generation included making additional areas available for rent and to construct a second picnic shelter. Most respondents (63%) favored rental of designated open areas and facilities during regular established hours during selected dates, however rental during designated times of the year did not have a clear preference.

Summary Results of Questionnaire

What should remain unchanged about the Park:

Responses to this question were open ended. Below is a list of the top ten responses, number one is the most common response.

1. Free access
2. Everything about the park
3. Natural and simple character of the park
4. Openness and open space
5. Off-leash area
6. Non-commercialization
7. Portland Head Light and grounds
8. Casual character
9. Views and vistas
10. Historical sites

Park Favorites:

Responses to this question were open ended. Below is a list of the top ten responses, number one is the most common response.

1. Views and panoramic vistas
2. Natural Beauty
3. Spacious with open space
4. Accessibility
5. Cliff Walk
6. History
7. Free access
8. Dog walking allowed and the off-leash area
9. Walking through the park
10. Portland Head Light

Safety Concerns and Conflicts:

The majority of respondents (74%) did not have any safety concerns with the park. Those who did have concerns were worried about safety along the Cliff Walk, safety of the bleachers, theft, traffic and safety

of structures, among other concerns. Of the respondents, half of them did not find any conflicting uses within the park. Those who did note conflicts listed primarily those related to dog use which could be remedied with more signage for off-leash area. Some other conflicting uses experienced include the vendors, overcrowding and tour busses, among other responses.

Fort Williams Park Master Plan Update

Questionnaire

The following questionnaire has been developed to assist the Fort Williams Advisory Commission in updating the 2003 Master Plan. The Master Plan is a guide used for short and long term management and maintenance of the park. The plan identifies goals and objectives for maintaining park features, identifies needed improvements and management of the park.

The objective of the questionnaire is to obtain user input to identify user groups, passive and active recreation needs, perceived and real safety issues, opportunities for expanded use, economic opportunities to help defray the cost of maintaining the park and user comments.

Your responses will be kept confidential and will be tabulated with those of other respondents to form aggregate opinions.

1. How do you use the park? Please mark all answers that are relevant.

- Walking
- Dog Walking
- Running
- Passive Recreation
- Active Sports
- Beach Use
- Picnicking
- Playground
- Sight-Seeing

Other (please specify)

2. How do you access the park?

- Automobile
- Bicycle
- Walk/Run

Other (please specify)

3. How frequently do you use the park?

	Once	More than Once
Daily	<input type="radio"/>	<input type="radio"/>
Weekly	<input type="radio"/>	<input type="radio"/>
Monthly	<input type="radio"/>	<input type="radio"/>
Yearly	<input type="radio"/>	<input type="radio"/>

Fort Williams Park Master Plan Update

4. What areas of the park do you use the most? Select up to five areas and rank 1 through 5 according to frequency.

	Least Frequently				Most Frequently
Ship Cove Beach	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Beach Picnic Area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Picnic Shelter Area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The Main Entry Meadow and Chapel Road	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Goddard Mansion to Battery Keyes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cliff Walk	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Portland Head Light Grounds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The Green at Battery Garesche	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The Pond to Parade Grounds	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Former Officers Quarters	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Playground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Battery Knoll Lawn Area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Battery Blair	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Southwest Woodland Preserve	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)

Fort Williams Park Master Plan Update

5. What do you like most about Fort Williams Park?

6. Do you have safety concerns in the use of the park?

- Yes
- No

If so, what concerns do you have?

7. What other type(s) of activities and/or resources would you like to see available at the park?

8. What type of conflicting uses, if any, have you experienced in using the park?

9. Do you feel the park has adequate parking?

- Yes
- No

If no, please specify

Fort Williams Park Master Plan Update

10. Do you agree that the Town should increase revenue generated from the park to defray costs to manage and maintain it?

- Yes
- No

11. Should the Town consider expanding the opportunities to rent areas of the park for functions?

- Yes
- No

12. If you answered yes to the previous question, would you support the following options?

	Yes	No
Construct a second picnic structure	<input type="radio"/>	<input type="radio"/>
Make additional areas available for rent	<input type="radio"/>	<input type="radio"/>
Utilize an Events Manager to promote and coordinate new revenue opportunities	<input type="radio"/>	<input type="radio"/>
Expand food services beyond push carts	<input type="radio"/>	<input type="radio"/>
Other (please specify)		
<input type="text"/>		

13. Assuming available funding, should the Town consider the following improvements to the park?

	Yes	No
Construct or Convert an Existing Building into a Visitor Center	<input type="radio"/>	<input type="radio"/>
Make a Facility Available for Function Use	<input type="radio"/>	<input type="radio"/>
Create Permanent Restrooms	<input type="radio"/>	<input type="radio"/>
Preserve Fortifications (Batteries)	<input type="radio"/>	<input type="radio"/>
Preserve the Goddard Mansion	<input type="radio"/>	<input type="radio"/>
Restore the Garden Pond	<input type="radio"/>	<input type="radio"/>
Restore the Parade Ground Bleachers	<input type="radio"/>	<input type="radio"/>
Other (please specify)		
<input type="text"/>		

Fort Williams Park Master Plan Update

14. Should renting of designated open areas and facilities be limited to regular established hours?

- Yes
- No

Comments

15. Should renting of open areas and facilities be limited to designated days during the year?

- Yes
- No

Comments

16. If you answered Yes to the previous question, how often should areas of the park be made available?

- Daily
- Weekends Only
- May through October
- Established Schedule (only select dates)

Comments

Fort Williams Park Master Plan Update

17. The goals of The Arboretum at Fort Williams Park include: eradication of invasive plants, restoration of native plants and habitat, volunteerism and community education. Are there other goals, or specific design elements, of the Arboretum that are of interest to you, i.e. formal gardens, childrens gardens, outdoor classrooms, etc.?

18. Do you feel that the park is well maintained?

Yes

No

Comments

19. Would you support Volunteer Days to help provide general maintenance and cleanup of the park to help defray maintenance costs?

Yes

No

Comments

20. What would you like to see remain unchanged about the park?

21. What is the single most important change that you would like to see at the park?

Fort Williams Park Master Plan Update

22. What is your age range?

- Under 25
- 26 to 35
- 36 to 50
- 51 to 65
- Over 65

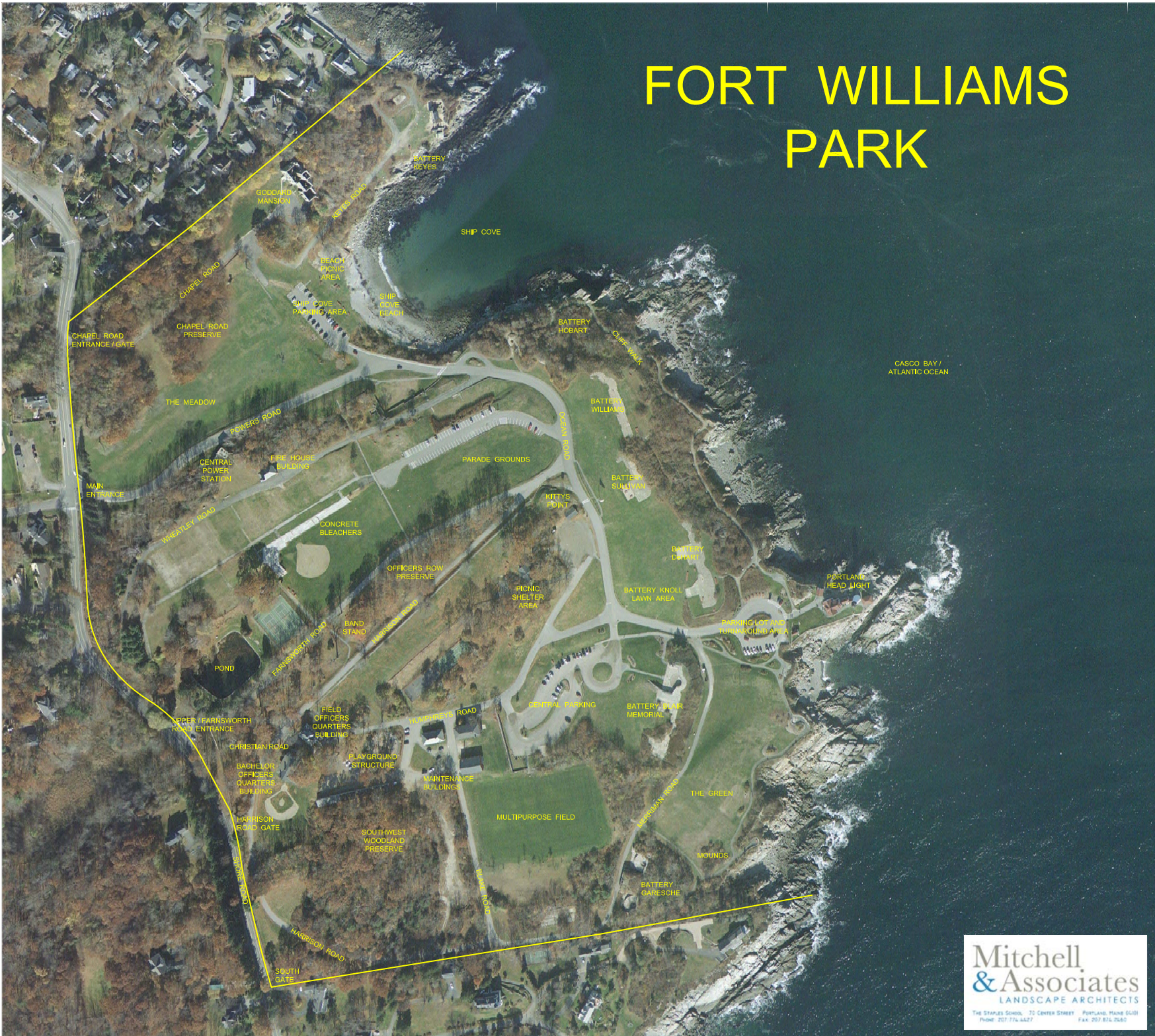
23. Are you a resident of Cape Elizabeth?

- Yes
- No

If yes, how long?

24. The Park is an important part of the community fabric for residents and visitors alike. Your opinion and comments are very important to maintaining the vitality of the park. Some key issues to consider are: maintenance, access, user needs, means of funding and financing maintenance of the park, etc. Please take a moment to offer your comments.

FORT WILLIAMS PARK



The following is a summary of the studies and reports that have been completed for various features of the park since 1995 to provide assessment and recommendations.

Rest Facility Planning Study

Prepared by: Terrien Architects, Inc.

Date: February 1995

- The scope of the study was to evaluate the opportunity and recommend alternative locations for public restroom facilities and concessions.
- The study identified three potential locations and identified two alternative locations with suitable subsurface wastewater disposal areas.
- The final assessment recommended a location on the grassy knoll above Humphreys Road due to proximity to existing water and power, which made this location more cost effective.

Condition Assessment and Analysis of the Goddard Mansion

Prepared by: Oest Associates, Inc.

Date: September 2004

- The scope of the report was to assess the conditions of the existing structure and to identify remediation and or restoration recommendations including cost estimates.
- Recommendations included immediate restriction of public access to identified areas of the structure.
- These areas were secured; none of the recommended restoration measures were initiated.

Fort Williams Forestry and Arboriculture Assessment and Maintenance Program

Prepared by: Oest Associates, Inc.

Date: November 2004

- The scope of this study was to identify the existing conditions of the parks plant community and recommend a long term management and maintenance plan to retain a healthy plant community.
- The plan has been adopted and maintenance measures have been initiated.

Fort Williams Projects Final Report

Prepared by: Renner/Woodworth

Date: March 26, 2009

- The scope of this study was to follow up on completed projects initiated in 2008 that included the designs for a new park entrance gate, replacement interpretive/orientation signage on Battery Knoll and to complete an assessment of conditions and recommendations for the bleachers, Goddard Mansion and the batteries south of the access drive to Portland Head Light.
- The new entry gate and the interpretive signage, relocated to Kitty's Point have been completed. The assessment of Goddard Mansion, the bleachers and the batteries was completed with various recommendations and cost estimates provided. The only measures taken have been securing of the Goddard Mansion with fence to protect the public from falling debris and façade restoration for the exposed portion of Battery Blair, initiated by Friends of Battery Blair.

The Arboretum at Fort Williams – Master Plan

Prepared by: Arboretum Fort Williams Steering Committee

Date: November 28, 2011

- The Arboretum at Fort Williams Park is a project dedicated to creating an arboretum of 15 individual landscape sites throughout the park.
- The arboretum master plan is intended to recommend locations of individual sites, form and character of improvements, and provide opportunities and challenges for future development.
- The Cliffside Site, the first of the 15 landscapes, is currently under construction and is scheduled to be completed in the Spring of 2012.

Portland Head is a rocky promontory located at the southern extent of Casco Bay in the town of Cape Elizabeth. Since 1791 picturesque Portland Head Light has occupied this site, providing an important aid to mariners. For five decades from the late 1890s through World War II, Fort Williams shared this location as a key element of the Portland Harbor defenses, and continued as a training facility until 1962. The military heritage of Portland Head actually extends back to 1776 in the American Revolution, when a guard detail maintained a post to watch for enemy ships and to fire an alarm for the fort at Spring Point in what is now South Portland.

During the Civil War the Army proposed building a small earthwork battery in 1862 to the rear of the lighthouse and, later, a large masonry fortification in 1864 in the same location, but the war ended before any construction was initiated. In 1873 the Army began building a large, long earthwork battery designed to mount thirty-four guns, but the project ceased uncompleted three years later. In 1891 an underground facility was constructed at Ship Cove to control electrically-fired submarine mines to be placed in the ship channel in wartime.

In 1886 the Army deemed Portland Harbor to be 10th most important nationally in terms of strategic defense. In addition to Portland's economic importance, the harbor was militarily important as a protected anchorage for an American fleet to counter an enemy fleet which might be able to take over Halifax or St. John in the Canadian Maritimes as a base of operations against the American coastline. A large, modern coast artillery fort was begun in 1893 at Portland Head. Named in 1899 after a Maine Civil War general, Fort Williams was part of a modern system of five fortifications that defended all entrances to the harbor with seventy-three large guns or mortars. Headquarters of the harbor defenses, Fort Williams mounted twelve large guns behind thick earth and concrete emplacements. The various guns fired shells having a diameter of 3-inch, 6-inch, 10-inch, or 12-inch. The two largest guns could fire 1070-pound shells over eight miles. After World War I Fort Williams received two anti-aircraft guns that fired 3-inch diameter shells. However, most of the earlier guns became relatively obsolete before 1920 since modern warships mounted guns with longer range, and the gun batteries were theoretically exposed to aircraft.

On caretaker status as a coast artillery post after the war, Fort Williams was an infantry garrison from 1922 to 1939, headquarters of the famous 5th Infantry Regiment. From 1933 to 1942 the fort was the headquarters of the Civilian Conservation Corps in Maine, a Depression-era, civilian work program. In the 1930s the fort acquired mobile guns firing 155-mm. shells to augment the obsolete armament. During World War II the fort again became the headquarters of the harbor defenses (manned by the 8th and 240th Coast Artillery regiments), and was the site of a joint Army-Navy Harbor Entrance Control Post to regulate access to the harbor. While only two of the fort's original guns were still active throughout the war (Battery Keyes), the fort acquired newer 3-inch mobile anti-aircraft guns to replace the transferred 155-mm. guns. During World War II, Portland Harbor was strategically important as the closest harbor to Europe on the North Atlantic supply lanes, the fifth largest naval installation in the country, the command post of all the Navy's destroyers in the Atlantic, the location of two important shipyards which produced 9% of the nation's Liberty ships, and the terminus of an oil pipe line to Canada.

With the advent of the atomic bomb and long-range bombers, seacoast forts became obsolete and were abandoned as defensive installations after the war. In 1950 Fort Williams became the only active Army post in Maine, and continued as a training site until its closure in 1962. The town acquired the fort two years later, and demolished or buried most of the structures by the late 1970s because of safety concerns. However, nearly four dozen elements of the fort survive in total or in part, as well as some buried gun batteries, foundations, road networks, paved walks, stairs, stone walls, fire hydrants, and manhole covers scattered throughout the park. While the fort has long passed into history the lighthouse continues to function in the same role envisioned by its builders. Automated since 1989, the modern light can be seen twenty-four miles at sea. In 1992 The Museum At Portland Head Light was opened in the former lighthouse keepers' quarters.

AF	Combined Station: Primary Battery (Blair)
	Observation Station (1905) Fire Commander's
	Observation Station (1908) now site of PICNIC SHELTER
AG	Battery (DeHart) Commander's Station/ Plotting Room (1900/08)
AH	Powerhouse [Battery DeHart]
AI	Ordnance Storehouse (1899)
AJ#	MAGAZINE (1943)
AK	Generator Shelter (1943)
AL	Battery Commander's Station (1943)
AM	Generator Shelter (1943)
AN	Magazine (1943)
AO	Powerhouse [Battery Blair]
AP	Battery Blair Plotting Room
AQ	Battery (Blair) Commander's Station (1909)
AR#	RADIO TOWER
AS#	COMBINED STATION: Primary Battery Stations, Secondary Battery Stations, Primary Gun Group Command Posts, and Dormitory (1907)
	TELEPHONE SWITCHBOARD (1907)
AT#	PRIMARY GUN GROUP COMMAND POST
AU#	RADIO SHELTER (1941)
AV#	DISAPPEARING SEARCHLIGHT (1920)
AW#	RADIO TOWER
AX#	
	<i>Non-tactical structures:</i>
1	Barracks (1941)
2#	ADMINISTRATION & STOREHOUSE (1941)
3	Barracks (1941)
4	Mess Hall (1941)
5	Recreation Building (1941)
6	Utility Office (1941)
7+	GODDARD MANSION (1858)/NCO Quarters
8+	GODDARD MANSION STABLE & CARRIAGE HOUSE (1858)/NCO Club (1935)
	Gymnasium/Bowling Alley (1908)
9	NCO Tennis Court (1937)
10	Post Exchange (1904)
11	Theatre (1938)
12	Guardhouse (1911)
13	Quartermaster Oil House (1906)/ Quartermaster Bulk Storage/Garage (1929)
14	Bakery (1910)
15	NCO Quarters (1898)
16	NCO Quarters (1898)
17	Post Theatre (1917) torn down 1939
18	Quartermaster Barracks (1933)
19	Quartermaster Storehouse & Office (1910)
20	Wagon Scales
21	Gasoline Storage Tank & Pump (1932)
22	Basketball Court (Outdoor)/Storehouse (1941)
23	Balloon Garage (1921)/Quartermaster Garage
24	Balloon Storehouse (1921)/Quartermaster Storehouse
25	Double NCO Quarters (1909)
26	Double NCO Quarters (1909)
27	Double NCO Quarters (1909)
28	Quartermaster Coal Pocket (1915)
29	Proposed Cemetery site (before 1907)
30	GATE 1
31+	Chapel (1941)
32#	BELL TOWER (1941)
33+	Balloon Hangar (1921) torn down 1941/ Storehouse/Commissary (1942)
34	CCC Oil House (1935)
35	Quartermaster Garage (1933)/CCC Garage/Motor Pool
36	Quartermaster Garage (1935) torn down 1942/ Vehicle Garage reassembled (1942) see 101 below
37	GATE 2
38+	Sentry Box (1941)
39	Barracks (1910)
40	

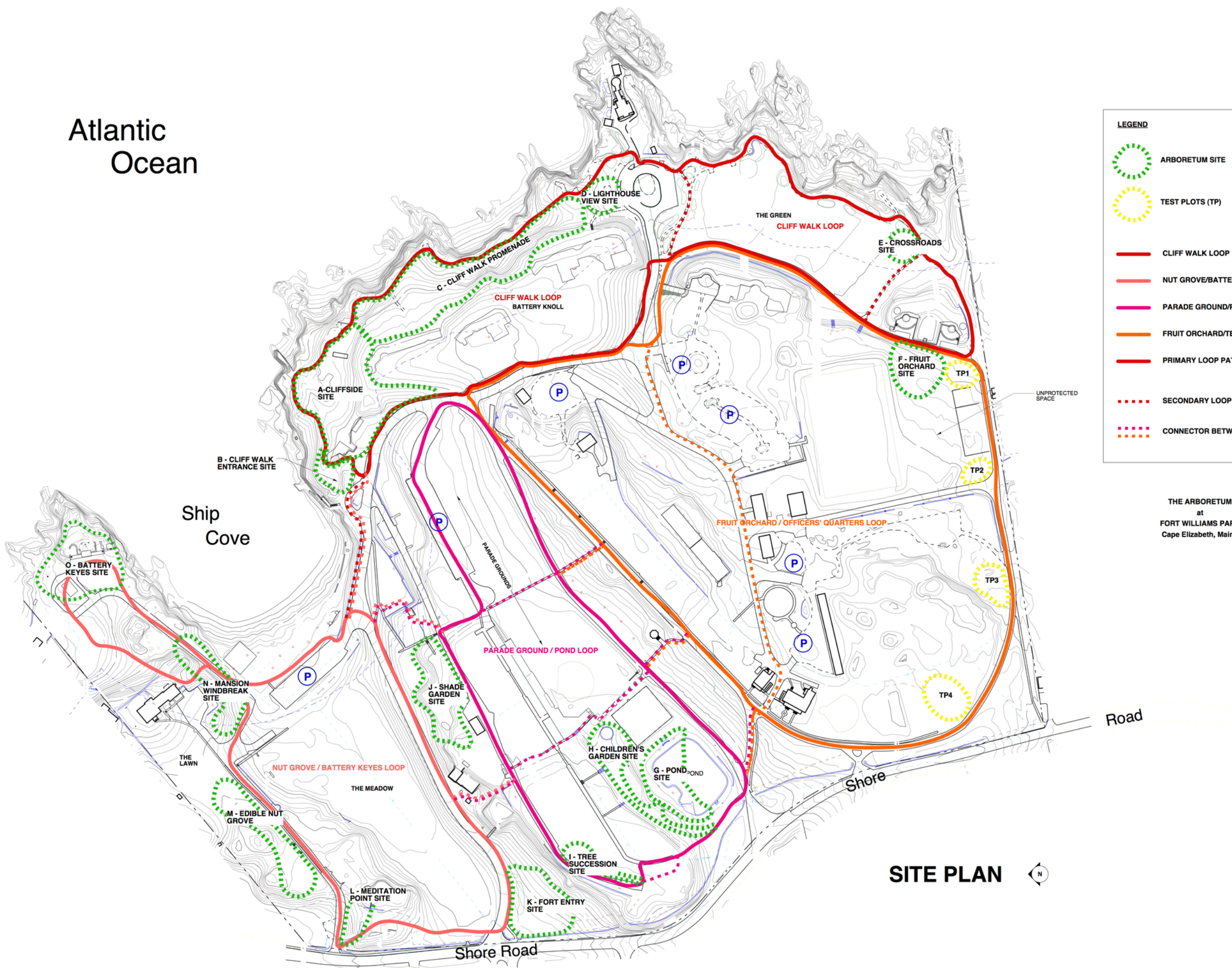
41	Post Headquarters (1899) removed 1911	109	Barracks (1943)
42	Hospital (1901)	110	Quartermaster Coal Shed/Storehouse (1899)
43	Hose Shed	111	Paint Shop
44	Hospital Barracks (1941)/site of Hospital Annex (1917) burned 1937	112	NCO Quarters (1899) w/ Garage (1937)
	Administration Building (1911)/Harbor Defense Headquarters (1940)	113	Storehouse (1941)
45	Flagpole	114	Wood Shed (c1899)
46	PARADE GROUND & ATHLETIC FIELD	115	Quartermaster Warehouse & Carpenter Shop/ CCC Warehouse (1934)
47+	NCO Quarters (1900)	116	Site of Ordnance & Signal Office (1899-1921); Commissary Office & Storehouse (1899-1921); Quartermaster Storehouse & Granary (1898); and Carpenter & Plumber Shop (1898-c1918)
48	Hospital Stewards Quarters (1903)		Carpenter & Plumber Shop (c1898) moved to site in 1920
49	TENNIS COURT		Quartermaster Storehouse #2 (1898)
50+	Barracks (1901)	117	Corral
51	FIRE STATION (1911)	118	Stone Crusher (1898)/Engineer Storehouse
52+	Barracks (1902)	119	NATIONAL GUARD ENLISTED TENT PADS (1930)
53+	BLEACHERS (1935)	120	LATRINE (c1909)
54	Hose Shelter	121#	National Guard Enlisted Latrine (1930)
55	Double Barracks (1908)	122+	GARAGE reassembled (1942) see 103 above
56	SHOWERS (1937)	123	Greenhouse (1937)
57#	BANDSTAND (1937)	124#	Harness Room
58+	ENLISTED TENNIS COURT (1938)	125	Stable (1899)/Quartermaster Salvage Warehouse
59+	Swimming Pool (1935)	126	Teamsmen's Quarters (1899)/Ordnance Storehouse/Blacksmith Shop & Utility Warehouse (1911)/Utility Office (1942)
60	Handball Court (1938)	127	QUARMASTER GARAGE (1932)
61	Gardens	128	GASOLINE Storage Tanks & PUMP
62	Band Barracks (1906)		Quartermaster Garage reassembled (1942) see 102 above/site of Veterinary Office 1937-42
63	LILY PAD POND (1935)	129+	OFFICERS' TENNIS COURT
64+	GATE 3	130+	Double NCO Quarters (1898)
65+	Sentry Box (1941)	131	ARTILLERY ENGINEER STOREHOUSE (1914)/ QUARMASTER STOREHOUSE (1932)
66	Sentry Box (c1899)	132+	Engineer Storehouse (c1915)/Quartermaster Garage (1929)
67	FLAGPOLE (1910)	133	Engineer Repair Shop (c1915)/ Quartermaster Blacksmith Shop (1929)
68+	HECP DORMITORY? (1944)/STOREHOUSE	134+	GUN SHED (1934)
69+	Dormitory (1909)	135	National Guard Enlisted Mess Hall/Kitchen (eleven) (1930/1938)
70	Latrine (1909)	136	MILITIA STOREHOUSE (1915)
71	Commanding Officer's Quarters (1902) w/Garage (1937)	137+	National Guard Commissary (1930)
72	Bandstand (1911)	138	National Guard Headquarters (1930)
73	Officer's Quarters (1911) w/ Garage (1937)	139+	NATIONAL GUARD OFFICERS' TENT PADS (1930)
74	Officer's Quarters (1902) w/ Garage (1937)	140	salvaged OFFICERS' TENT PADS
75	Double Officers' Quarters (1901) w/ two Garages (1937)	141	Pigeon Loft (1921 map)
76	Officer's Quarters (1902) w/ Garage (1937)	142#	National Guard Post Exchange (1926)
77	BANDSTAND (1909)	143+	National Guard Officers' Latrine & Baths (1930)
78+	Double Officers' Quarters (1899)	144	National Guard Officers' Mess (1930)
79	Double Officers' Quarters (1911)	145	Officers' Club (1925)
80	OFFICER'S QUARTERS (1911)	146+	OFFICERS' GARAGE (1926)
81+	BACHELOR OFFICERS' QUARTERS (1909)	147	LATRINE (1909)
82+	Double Officers' Quarters (1911)	148	
83	GATE 4	149+	
84+	Double Officers' Quarters (1911)	150#	
85	Nurses' Quarters/Mess (1941)		
86	Officers' Quarters/Mess (1941)		
87	Officers' Quarters/Mess (1941)		
88	Officers' Quarters/Mess (1941)		
89+	GATE 5		
90	CCC Office/Workshop/Reserve Officers' Quarters (1935)/site of CCC MEMORIAL PLAQUE		
91	CCC Mess Hall/Workshop (1935) torn down 1940		
92	CCC Barracks (1935) torn down 1940		
93	CCC Recreation Building (1935) torn down 1940		
94	CCC Barracks (1935) torn down 1940		
95	CCC Barracks (1935) torn down 1940		
96	CCC Mess Hall/Workshop (1935) torn down 1940		
97	Field Water Heater House (1936)/ Officers' Quarters (1943)		
98	CCC Barracks (1935) torn down 1940		
99	Garage (1940)		
100	Garage (1940)		
101	Garage (1940) torn down 1942 and reassembled elsewhere (see 37 above)		
102	Garage (1940) torn down 1942 and reassembled elsewhere (see 131 below)		
103	Garage (1940) torn down 1942 and reassembled elsewhere (see 124 below)		
104+	Target Pit (Machine gun/small arms)		
105	Garage (1940)		
106	Garage (1940)		
107	Dump		
108	Barracks (1943)		

THE MUSEUM AT PORTLAND HEAD LIGHT
Fort Williams Park, 1000 Shore Road
Cape Elizabeth, Maine
Telephone: (207) 799-2661

Located in the former lighthouse keepers' quarters, the museum chronicles the history of Portland Head Light and adjacent Fort Williams. The story is told through permanent exhibits displaying original artifacts and documents, navigational aids, lenses, video displays, models and photography. An historical time line serves as the common denominator for the exhibition subjects which include: the origin of the lighthouse and the lives of the keepers, technological developments, commerce, art and literature, local folklore and military activities at Fort Williams.

Atlantic Ocean

Ship Cove



LEGEND

- ARBORETUM SITE
- TEST PLOTS (TP)
- CLIFF WALK LOOP
- NUT GROVE/BATTERY KEYS LOOP
- PARADE GROUND/POND LOOP
- FRUIT ORCHARD/TEST PLOTS LOOP
- PRIMARY LOOP PATH
- SECONDARY LOOP PATH
- CONNECTOR BETWEEN LOOPS

THE ARBORETUM
at
FORT WILLIAMS PARK
Cape Elizabeth, Maine

SITE PLAN

