

Stormwater Pollution Control Plan Balbrae Condominiums Pavement Restoration

Balbrae Condominium Association, Inc.
Bloomfield, CT

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146 Hartford Road
Manchester, CT 06040

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1 Introduction

Balbrae Condominium Association, Inc. proposes to reclaim and reconstruct existing pavement associated with site roadways, parking areas, and walkways. This project is considered a “construction activity” in accordance with the *General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities* (General Permit), effective October 1, 2013. A General Permit registration form has been submitted electronically via the CTDEEP ez-file system.

The purpose of this plan is to specify parameters to follow to minimize pollution caused by soil erosion and sedimentation during and after construction and to minimize stormwater pollution caused by use of the site after construction is completed. Erosion and sedimentation control requirements are also shown on the plans. A site location map of the subject site is provided as *Figure 1*.

During construction, the contractor(s) will be responsible for implementing all elements of the erosion and sedimentation control measures as defined on the drawings and in this plan. Major construction activities will be phased to minimize area of disturbance throughout construction. Erosion and sedimentation controls will be implemented and adjusted as needed throughout construction to minimize soil erosion. Efforts have been made to reduce runoff and use Low Impact Development (LID) design practices by limiting work to the confines of existing development and improving the drainage characteristics of the existing parking areas.

Throughout the construction process, Balbrae Condominium Association, Inc., or their agent, will periodically inspect erosion control measures in accordance with the requirements of the general permit. A monitoring program will be put in place to observe potential off-site impacts due to erosion. After construction, Balbrae Condominium Association, Inc. will be responsible for maintaining these erosion and sedimentation control measures as necessary. This project will not be considered complete until disturbed areas have been satisfactorily stabilized for at least three months, erosion has been repaired, and temporary erosion control measures have been removed as called for on the plans.

The general contractor(s) and subcontractor(s) will be required to sign the certification statement located in *Appendix B* of this plan.

2 Site Description

2.1 Project Description

The proposed pavement renovations will be limited to the extents of existing roadways, parking areas, and walkways. Pavement restoration will be accomplished through reconstruction and reclamation. The limits of renovation, as well as the types of renovation to be completed for each area, are indicated in the design plans included as *Appendix C*. The proposed pavement restoration and related improvements will cause a total soil disturbance of approximately 8.4 acres. The project area consists of existing paved surfaces and no work is anticipated outside of previously developed areas. The Balbrae Condominium complex is located off of Mountain Road in Bloomfield, Connecticut.

Stormwater runoff from the existing parking areas and roadways is collected in catch basins located within the paved areas. Stormwater collected in the basins enters a storm sewer network and is conveyed to existing outfalls. There will be no increase in impervious area as a result of the proposed work. After the pavement renovation is completed, the drainage areas associated with each catch basin will be the same as the existing condition.

2.2 Scope of Construction Activities

The construction activities will be limited to the reconstruction of the existing paved areas. The existing ground surface within this area will largely remain unchanged. Minor earthwork related to pavement renovation is proposed for this project. New curbing and underdrains will also be installed within the limits of the pavement renovation and new catch basin tops will be installed on existing catch basins. Turf establishment will be performed as necessary to restore existing turf adjacent to the paved areas that has been disturbed as a result of the proposed work.

Erosion control measures were designed in accordance with the 2002 edition of the Connecticut Guidelines for Soil Erosion and Sediment Control (CT DEEP Bulletin 34) as published by the Connecticut Council on Soil and Water Conservation in cooperation with the Connecticut Department of Energy and Environmental Protection. Installation details and detailed erosion and sediment control notes are provided on the erosion and sediment control detail sheet found in *Appendix C*.

2.3 Area of Disturbance

The total disturbed area for the project will be approximately 8.4 acres.

2.4 Stormwater Discharge Information

2.4.1 Pre-Development Drainage Conditions

The project area consists of existing roadways, parking areas, and walkways associated with the Balbrae Condominium complex. Stormwater runoff from the impervious surfaces within the project area is collected in catch basins and conveyed to flared-end outfalls located throughout the development. Since the proposed work will have no effect on the watersheds contributing to each catch basin, or on a larger scale, the watersheds contributing to each outfall, a detailed stormwater management study was not conducted. Additional site information related to the pre-development drainage conditions is below:

- The site is located within the Park Regional Basin of the Connecticut Major Basin, specifically within the North Branch Park River (4404) sub-basin area as indicated within *Figure 2*.
- The site lies outside of the floodplain boundary.
- A soil study conducted by using the Natural Resources Conservation Service (NRCS, formerly SCS) online database shows that a variety of soil types are present within the subject parcel. Wilbraham and Menlo, Ninigret and Tisbury, loam, and urban land/udorthents are the soil types present. A NRCS web soil survey map is presented as *Figure 3*.

2.4.2 Post-Development Drainage Conditions

The site will remain the same as the existing conditions at the conclusion of the proposed project, with the exception of replacing the existing deteriorated pavement. The limits of the renovated pavement will fall within the same confines of the existing pavement. The drainage patterns upon completion of the project will remain the same as existing drainage patterns. With the exception of new catch basin tops and new underdrains connected to existing catch basins, no changes to the existing storm networks or outfalls are proposed for this project. Minor grading adjustments are proposed to provide improved drainage within the parking lot areas; however, these adjustments are limited and will not modify the overall existing drainage patterns.

As a result of the proposed project, there will be no change in the amount of impervious surface covering the site. Since the project consists of a reconstruction of existing paved surfaces and there is no increase in impervious coverage, stormwater calculations are not warranted. A comparison of the existing and proposed impervious areas associated with the proposed work is included in *Appendix D*. The maintenance of the existing impervious surface areas, in conjunction with maintaining existing drainage patterns, indicates that there will be no changes in stormwater runoff volume as a result of this project.

2.5 Other Construction Activity Impacts

2.5.1 Impacts to Endangered or Threatened Species

A review of the Natural Diversity Data Base (NDDDB) Areas indicates that the site is located within an area of concern for State and Federal listed species and Significant Natural Communities. Upon consultation with the CTDEEP Bureau of Natural Resources, it was determined that the subject site lies within an area where Eastern Box Turtles have been known to exist. Therefore, an application was submitted, which included identification and Best Management Practices for the Eastern Box Turtle, to the Bureau of Natural Resources for a NDDDB review. See *Figure 4* for the relevant NDDDB map, dated September 2015, and Eastern Box Turtle documentation.

3 Construction Phase & Sequence

3.1 Phasing

The proposed pavement renovation and related work associated with this project will proceed in a phased sequence. The phasing of the project will depend on various circumstances that could arise during construction and is subject to change. Individual roadways are anticipated to be renovated as a separate phase. Proposed work associated with the pavement renovation such as curbing, underdrain installation, etc., will be completed in a phased sequence that corresponds with the pavement restoration phasing. This means that these associated improvements will be installed when the roadway that they are located within is being renovated. The anticipated phases, in no specific order, are listed below:

- Reclamation/reconstruction on Wyndcliffe Park
- Pavement sealing on Mead Lane
- Pavement sealing on Caramoor Park and Baltimore Park
- Reclamation on Fonthill Park
- Reclamation/reconstruction on Balbrae Drive
- Reconstruction on Cary Lane
- Reconstruction on Stratford Park
- Reconstruction on Kensington Park
- Reconstruction on Bath Crescent
- Reclamation/reconstruction on Reservoir Road
- Reconstruction on Chambord
- Reconstruction on Chateau Margaux

Project phasing benefits the erosion and sediment control process by limiting the amount of exposed disturbed soils to generally less than five acres.

3.2 Construction Sequence

The proposed site activities include the renovation of existing pavement as called for in the design plans. New curbing, underdrains, and catch basin tops are also to be installed as shown on the plans. The owner is responsible for obtaining required permits, authorizations, and approvals from State and Local authorities, as well as private entities having jurisdiction over the project. The contractor will also make required notifications to regulatory authorities and provide copies of such permits, authorizations, approvals, and notifications to the Engineer.

The general sequence of construction will proceed as follows for each phase, but may vary depending on various circumstances:

- Install the lay-down/stockpile area, silt fencing, and inlet protection as shown on the Erosion & Sediment Control Plan and Detail sheets. *Note: Sediment and erosion controls shall be modified with adjustments to earthwork to enable protection of areas adjacent to the site.*
- Perform reclamation at areas to be reclaimed. Remove existing pavement and subbase at areas to be reconstructed.
- Install underdrains, yard drains, and associated piping and make connections to existing structures as shown in the plans and details.
- Install subbase at areas to be reconstructed as shown in the details.

- Remove existing catch basin tops to be replaced and install new tops.
- Install new pavement courses as shown in the details.
- Install new curbing as shown in the plans and details.
- Perform pavement sealing at areas to be sealed.
- Stabilize disturbed soil surfaces and establish turf in areas where existing turf has been damaged.
- Remove sediment and erosion controls only when area they protect are stabilized.

Construction is projected to begin in May of 2016 and is expected to be completed by November of 2016. Erosion and sediment control measures will remain until complete stabilization of the site has occurred.

4 Control Measures

The following paragraphs address the controls and measure to be implemented on this site both during and after construction to minimize stormwater pollution to the waters of the State of Connecticut. Controls for construction can be located on the Erosion & Sediment Control Detail sheet included as *Appendix C*.

4.1 Erosion and Sediment Controls

The goal of this plan is to control erosion on the site and to control movement of sediment into adjacent wetlands, watercourses or storm sewer systems. Note that erosion and sedimentation controls shall conform to the requirements of the “Connecticut Guidelines for Soil Erosion and Sediment Control” dated May 2002, which will hereafter be referred to as the “Guidelines”, and the 2004 Connecticut Stormwater Quality manual, which, as noted earlier, will hereafter be referred to as the “Standards”. To meet these goals, stabilization, structural, and maintenance practices shall be implemented by the Contractor as outlined below.

4.1.1 Soil Stabilization and Protection

Both temporary and permanent stabilization practices will be implemented throughout the project to minimize erosion of soil from the disturbed site. Temporary and permanent stabilization measures are proposed to provide protection against erosion both during and after construction. Existing vegetation will be preserved to the maximum extent practicable.

When construction activities have permanently ceased or when final grades are reached in a portion of the site, stabilization and protection practices will be implemented within seven days. Areas that will remain disturbed but inactive for at least 30 days will receive temporary seeding or soil protection within seven days in accordance with the Guidelines. Areas that will remain disturbed beyond the seeding season will receive long term non-vegetative stabilization and protection measures sufficient to protect

the site through the winter. In all cases, stabilization and protection measures will be implemented as soon as possible in accordance with the Guidelines.

The stabilization practices to be implemented during the construction of the proposed development are as follows:

- **Silt Fence:** in order to minimize the transport of sediment from the disturbed areas to receiving resource areas, silt fence will be used as shown on the plans at select areas around the site to filter runoff from the disturbed areas. Silt fence details and locations are provided on the drawings. A double row of silt fence will be placed around all soil stockpiles during stockpile operations. Silt fence will be removed only when the entire site has been permanently stabilized.
- **Temporary Vegetative Cover:** All exposed areas that will be inactive for more than 7 days, or immediately for stockpiles not to be used for 30 days, and areas that have not yet reached finished grades will receive a temporary vegetative cover during the planting season of March 15 to July 1 and August 1 to October 15. This temporary vegetative cover will consist of perennial rye grass. The rye grass will be planted at a rate of 2 lbs/1,000 sq. ft. at a depth of 1/2 inch. Limestone (equivalent to be 50 percent calcium plus magnesium oxide) will be applied as seedbed preparation at a rate of 90 lbs/1,000 sq. ft. Where grass predominates, fertilize according to a soil test at a minimum application rate of 1 lb. of nitrogen per areas to be left bare before finish grading and seeding outside of planting seasons will receive an air-dried woodchip mulch, free of coarse matter, treated with 12 lbs. of nitrogen per ton, applied at a rate of 185-275 lbs/1,000 sq. ft.
- **Permanent Vegetative Cover:** Once the planting season begins, temporary stabilization measures will be removed and slopes will be prepared and seeded. Planting bed preparation and seeding will be in accordance with the technical specifications for the project. Seeding will only occur between April 1 and June 1 and August 15 and October 15.

4.1.2 Structural Measures

Structural practices will be implemented to control the movement of sediment and minimize any discharge of pollutants from the site, divert flows away from exposed soils, store flows, and limit runoff. The structural practices to be implemented during construction are as follows:

- **Silt Fence:** To minimize the transport of sediment from the disturbed areas to receiving wetlands, geotextile sediment filter fence will be used as shown on the plans at select areas around the site to filter runoff from the disturbed areas. Geotextile sediment filter fence details and locations are provided on the drawings. A double row of geotextile sediment filter fence will be placed around soil stockpiles during stockpiling operations. Geotextile sediment filter fence will be removed only when the entire site has been permanently stabilized.
- **Inlet Protection:** To minimize the amount of sediment which enters existing catch basins and the associated storm sewer networks, filter fabric will be installed at existing catch basins as shown in the details. Inlet protection is to remain until the final pavement installation is complete and all areas adjacent to the catch basin have been stabilized.

- **Stockpile Areas:** To prevent the transport of soil, sediment, or other debris associated with material stockpiles, adequate containment will be installed around all designated stockpile locations. A double row of silt fence is to be installed around the perimeter of the stockpile. Stockpiles should be contained and created as shown in the details.

4.1.3 Maintenance

The erosion and sediment controls must be maintained in a condition that will protect the resource areas from pollution during site construction. The Contractor will conduct the following maintenance to ensure the proper performance of erosion and sediment control measures.

- **Temporary and Permanent Vegetation:** At any eroded areas, repair by filling to finished grades, replace vegetative support material and seed, fertilize, and lime, as specified for temporary and permanent stabilization. Add additional mulch as required.
- **Silt Fence:** Inspect silt fence immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately. Should the fabric decompose or become ineffective while the barrier is still needed, the fabric will be replaced promptly. Sediment deposits will be removed when they reach approximately one-half the height of the barrier. Sediment will be disposed of on-site as non-structural fill. Any sediment deposits remaining in place after silt fence is no longer required will be removed and placed in a stockpile surrounded by silt fence in a location suitable to the owner.
- **Inlet Protection:** Monitor the amount of sediment which has accumulated at the existing inlets. When a significant amount of sediment has accumulated on the filter fabric, which can potentially impede the flow of water into the basin or create a source of sediment transport, remove the sediment and then re-install the filter fabric. Dispose of sediment properly.
- **Pavement Sweeping:** Sweep paved surfaces adjacent to the work areas as needed. Properly dispose of sediment or debris collected during sweeping.

4.2 Dewatering Wastewaters

Dewatering on this site is not anticipated. However, in such a case where dewatering is necessary, wastewater from dewatering pumps will be infiltrated into the ground where possible. Where this is impracticable, proper methods and devices will be utilized to the extent permitted by law, such as pumping water into a temporary sedimentation depression, providing surge protection at the inlet and outlet of pumps, floating the intake of the pump, or other methods to minimize and retain the suspended solids. These wastewaters will not be discharged directly without treatment. If a pumping operation causes turbidity problems beyond the control of these measures, the operation will cease until feasible means of controlling turbidity (e.g., discharge to the sanitary sewer) are determined and implemented.

4.3 Post-Construction Stormwater Management

4.3.1 Best Management Practices

At the end of construction, areas disturbed by construction activities will be stabilized. As a result, the potential for erosion at this site after construction is minimal. Grassed areas will also serve as a filter to remove sediment from runoff if permanently stabilized areas are properly maintained. Perimeter controls (i.e., silt fence) will be actively maintained until final stabilization of those portions of the site up-gradient of the perimeter control. Temporary perimeter controls will be removed after final stabilization.

The contractor will be responsible for cleaning all of the construction area and removal of remaining silt fence before filing a termination notice, a copy of which is attached as *Appendix E*. After filing the termination, Balbrae Condominium Association, Inc. will maintain the stormwater collection system.

As previously mentioned, post-construction stormwater quality is not expected to degrade as a result of the proposed facility. Post-construction ground surface conditions will generally mimic pre-construction conditions.

4.4 Other Controls

Good housekeeping will be maintained to minimize impact of protected areas by pollutants, soils, and fugitive sediment. These housekeeping practices are detailed below.

4.4.1 Waste Disposal

The following BMP's will be implemented to minimize the discharge of litter, debris, paving materials, construction waste, or similar materials to waters of the State:

- Construction waste will be removed from the site and disposed of legally.
- Waste will be removed from the site as soon as practical.
- Containers will be appropriate for the material stored.
- Where necessary, containers will be sealed/covered to prevent waste from escaping the container.
- Containers will only be located where approved by the engineer or regulatory agency.
- Waste storage areas will be located, designed, and operated to prevent polluted runoff from leaving the waste storage area.
- Fences or covers will be provided to prevent waste from blowing out of the waste storage area.

4.4.2 Construction Materials

Construction materials needed for this project will be properly stored in a neat and orderly manner until used. Construction materials will be stored outside of any buffers and at least 50 feet from any stream, wetland or other sensitive resource. Materials shall not be stored in any location or near any location where Eastern Box Turtles have been observed.

4.4.3 Washout Areas

Washout of applicators, containers, vehicles, and equipment for concrete, paint, and other materials will be conducted in a designated washout area. There will be no surface discharge of washout wastewaters from this area. To eliminate overflows during rainfall or after snowmelt, all wash water will be directed into a pit. This area will be outside of any buffers and at least 50 feet from any stream, wetland or other sensitive resource. The area will be completely self-contained and clearly marked.

In addition, dumping of liquid wastes in storm sewers is prohibited. All wastes including hardened concrete waste from washouts will be disposed of legally at an off-site location. At least once per week, all containers or pits used for washout will be inspected for structural integrity, adequate holding capacity, and to check for leaks or overflows. If any deficiencies are discovered, corrective action will be taken immediately. Washout areas will be emptied when levels reach $\frac{1}{2}$ the height of the container or pit.

4.4.4 Vehicle Tracking and Dust Control

Off-site vehicle tracking of sediments and the generation of dust will be minimized. The Contractor will be responsible for performing dust suppression techniques during construction, including, but not limited to:

- Spraying water as necessary to control dust from construction activities. The volume of water sprayed for controlling dust will be minimized so as to prevent runoff of water. No discharge of dust control water will contain or cause a visible oil sheen, floating solids, visible discoloration, or foaming. Using calcium chloride to control dust is prohibited.
- Sweeping surfaces adjacent to the work areas, soil management areas, and designated haul routes daily.

If fugitive dust is observed to be generated from the construction site, the contractor will be responsible for employing additional dust suppression techniques to remedy the situation.

4.4.5 Chemical and Petroleum Products

All chemical and petroleum product containers stored on the site (excluding those contained within vehicles and equipment) will be provided with impermeable containment which will hold at least 110% of the volume of the largest container, or 10% of the total volume of all containers in the area,

whichever is larger, without overflow from the containment area. All chemicals and their containers will be stored under a roofed area. Containers of 100 gallon capacity or more may be stored without a roof only if stored in a double-walled tank.

On-site vehicles will be monitored for leaks and receive maintenance as needed.

5 Inspections

5.1 Plan Implementation Inspections

Within 30 days following the commencement of the construction activity on the site, Balbrae Condominium Association, Inc. will engage the appropriate District, a qualified soil erosion and sediment control professional, or qualified professional engineer, as defined by the General Permit, to inspect and properly document the implementation of controls designated in the Plan. The site may be inspected up to two more times within the first 90 days after the start construction, if deemed necessary by the inspector.

5.2 Routine Inspections

Balbrae Condominium Association, Inc. will engage a qualified inspector, as defined by the General Permit, to inspect the site at least once per week and within 24 hours of the end of a storm that generates a discharge. For storms that equal or exceed 0.5 inches that end on a weekend, holiday or other time after which normal working hours will not commence within 24 hours, an inspection is required within 24 hours. For storms of less than 0.5 inches, an inspection will occur immediately upon the start of the subsequent normal working hours. Where sites have been temporarily or finally stabilized, inspection will be conducted at least once every month for three months to confirm compliance with the general permit.

The items to be inspected will include, at a minimum, the following:

- Disturbed areas of the construction activity that have not been permanently stabilized
- Erosion and sediment control measures
- Structural control measures
- Stockpile areas
- Washout areas (if applicable)
- Drainage control facilities including diversion and perimeter drainage ditches
- Locations where vehicles enter or leave the work area

Disturbed areas and areas used for storage of materials that are exposed to precipitation will be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan will be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they will be visually inspected to ascertain whether erosion control measures are effective in preventing significant impacts, such as turbidity to receiving waters. Locations where vehicles enter or exit the site will be inspected for evidence of off-site sediment tracking.

Based on the results of the inspection, the description of potential sources and pollution prevention measures identified in the plan will be revised as appropriate by Balbrae Condominium Association, Inc. or his agent as soon as practicable after such inspection.

A report will be prepared for every inspection and retained as part of the plan. The report will, at a minimum, summarizing the following;

- The scope of the inspection
- Name(s) and qualifications of personnel making the inspection
- Date(s) of the inspection
- Weather conditions including precipitation information
- Major observations relating to the implementation of the storm water pollution control plan
- Descriptions of the stormwater discharge(s) from the site
- Any water quality monitoring performed during the inspection
- Statement that, in the judgment of the qualified inspector(s), the site is either in compliance or out of compliance with the terms and conditions of the Plan and General Permit.

The report will be signed by both the qualified inspector and the permittee or his/her authorized representative in accordance with the General Permit. A blank copy of the inspection report is provided in *Appendix F*.

If the site inspection indicates that the site is out of compliance, the inspection report will include a summary of the remedial actions required to bring the site back into compliance. During the period in which any corrective actions are being developed and have not yet been fully implemented, interim measures will be implemented to minimize the potential for the discharge of pollutants to the site.

5.3 Corrective Actions

If an inspection determines that the site is out of compliance with the terms and conditions of this Plan and the General Permit, corrective actions shall be taken. Non-engineered corrective actions (as

identified in the Guidelines) will be implemented on site within 24 hours and incorporated into a revised Plan within three calendar days of the date of inspection unless another schedule is specified in the Guidelines. Engineered corrective actions (as identified in the Guidelines) will be implemented on site within seven days and incorporated into a revised Plan within ten calendar days of the date of inspection unless another schedule is specified in the Guidelines.

5.4 Post Construction Inspections

Once all post-construction stormwater measures have been installed in accordance with this Plan and cleaned of construction sediment or debris, a final inspection by the District, or a qualified soil erosion and sediment control professional, or a qualified professional engineer, as appropriate, will be conducted.

Once the site has been stabilized for at least three months following the cessation of construction activities, Balbrae Condominium Association, Inc. will engage a qualified inspector, as defined by the General Permit, to inspect the site to confirm stabilization.

6 Monitoring

Stormwater sampling is required for monitoring turbidity. Sampling will occur on a monthly basis, during storm events that generate a discharge of stormwater from the site while construction activity is ongoing, until final stabilization of the drainage areas associated with each outfall is achieved. Sampling will be in accordance with the General Permit.

Sampling is only required during normal working hours, as defined by the General Permit. For this site, normal working hours for stormwater monitoring shall be Monday through Friday, 7:00 AM to 5:00 PM. If sampling is discontinued due to the end of normal working hours, it shall be resumed the next working day as long as the discharge continues. Sampling may be temporality suspended if conditions existing that may reasonable pose a threat to the safety of the person taking the sample (i.e. high winds, lightning, flooding, intense rainfall). Sampling will resume once the unsafe conditions are no longer present.

6.1 Monitoring Requirements

Samples will be collected from discharges resulting from a storm event that occurs at least 24 hours after a previous storm event that generated a discharge. Sampling of snow or ice melt in the absence of a storm event is not a valid sample.

Samples will be grab samples taken at least three separate times during a storm event. The samples will be representative of the flow and characteristics of the discharge. The first sample will be taken within the first hour of stormwater discharge from the site. In cases where discharges begin outside of normal working hours, the first sample will be taken at the start of normal working hours.

Sampling is required of point source discharges of stormwater from disturbed areas. Sampling will be done in accordance with ASTM D1889-00. Sampling locations can be found in *Appendix G* and will be

identified in the field with a flag, stake, or other visible marker. Sampling will occur at existing catch basins and samples should be collected at the grate of the structure where runoff is flowing into the structure. At least one sampling point is provided for each phase of work. However, sampling only has to occur at the sampling points that are in the vicinity of active work or in the vicinity of areas that have not been finally stabilized at the time of the sampling event.

6.2 Monitoring Reports

The stormwater turbidity value for each sampling point will be determined by taking the average of the turbidity values of the samples at that sampling point during a given storm. Samples containing snow or ice melt must be noted. A blank copy of the stormwater monitoring report for submitting turbidity sampling data is provided in *Appendix G*.

Within 15 days of the issuance of the permit, Balbrae Condominium Association, Inc. will subscribe to the NetDMR system through CT DEEP. The NetDMR system is a web-based tool that allows Permittees to electronically submit stormwater monitoring reports through a secure internet connection. After 180 days from the issuance of the permit, Balbrae Condominium Association, Inc. will begin reporting sampling electronically using the NetDMR system.

Monitoring reports will be submitted to CT DEEP in accordance with the provisions outlined in the General Permit.

6.3 Sampling Points

A site plan showing the proposed sampling locations is provided in *Appendix G*. The site has 28 sampling points, all of which are existing catch basins. As previously mentioned, sampling only has to be conducted at the locations which are proximate to active work or non-stabilized areas at the time of the sampling event. Samples are to be collected at the grate of the basin where runoff is entering the structure. There are multiple sampling locations provided for each phase of the project. However, it is adequate to only collect a sample from one sampling point for each phase/work area. Multiple sampling points were provided to ensure that collection of a sample would be possible during most rain events.

7 Contractors

7.1 General

All contractors and subcontractors who will perform actions on site that may reasonably be expected to cause or have the potential to cause pollution of the waters of the State will be identified in *Appendix B*.

7.2 Certification Statement

All contractors and subcontractors must sign the certification included in *Appendix B*. All certifications will be included in the Stormwater Pollution Control Plan.

8 Certifications

8.1 Professional Engineer

The following certification is provided in accordance with Section 5(b)(7)(C) of the General Permit.

"I hereby certify that I am a professional engineer licensed in the State of Connecticut. I am making this certification in connection with a registration under such general permit, submitted to the commissioner by Hamilton Sundstrand for an activity located at the Hamilton Road, Windsor Locks, CT. I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the project or activity covered by this certification. I further certify, based on such review and on the standard of care for such projects, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, the Stormwater Quality Manual, as amended, and the conditions of the general permit, and that the controls required for such Plan are appropriate for the site. I further certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining such information, that the information upon which this certification is based is true, accurate and complete to the best of my knowledge and belief. I also understand that knowingly making any false statement in this certification may subject me to sanction by the Department and/or be punishable as a criminal offense, including the possibility of fine and imprisonment, under section 53a-157b of the Connecticut General Statutes and any other applicable law."

Craig M. Lapinski, P.E

P.E. Number and Seal

Date

8.2 Permittee

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with section 22a-6 of the Connecticut General Statutes, pursuant to section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute.”

Lawrence White
Property Manager & President,
White & Katzman Management

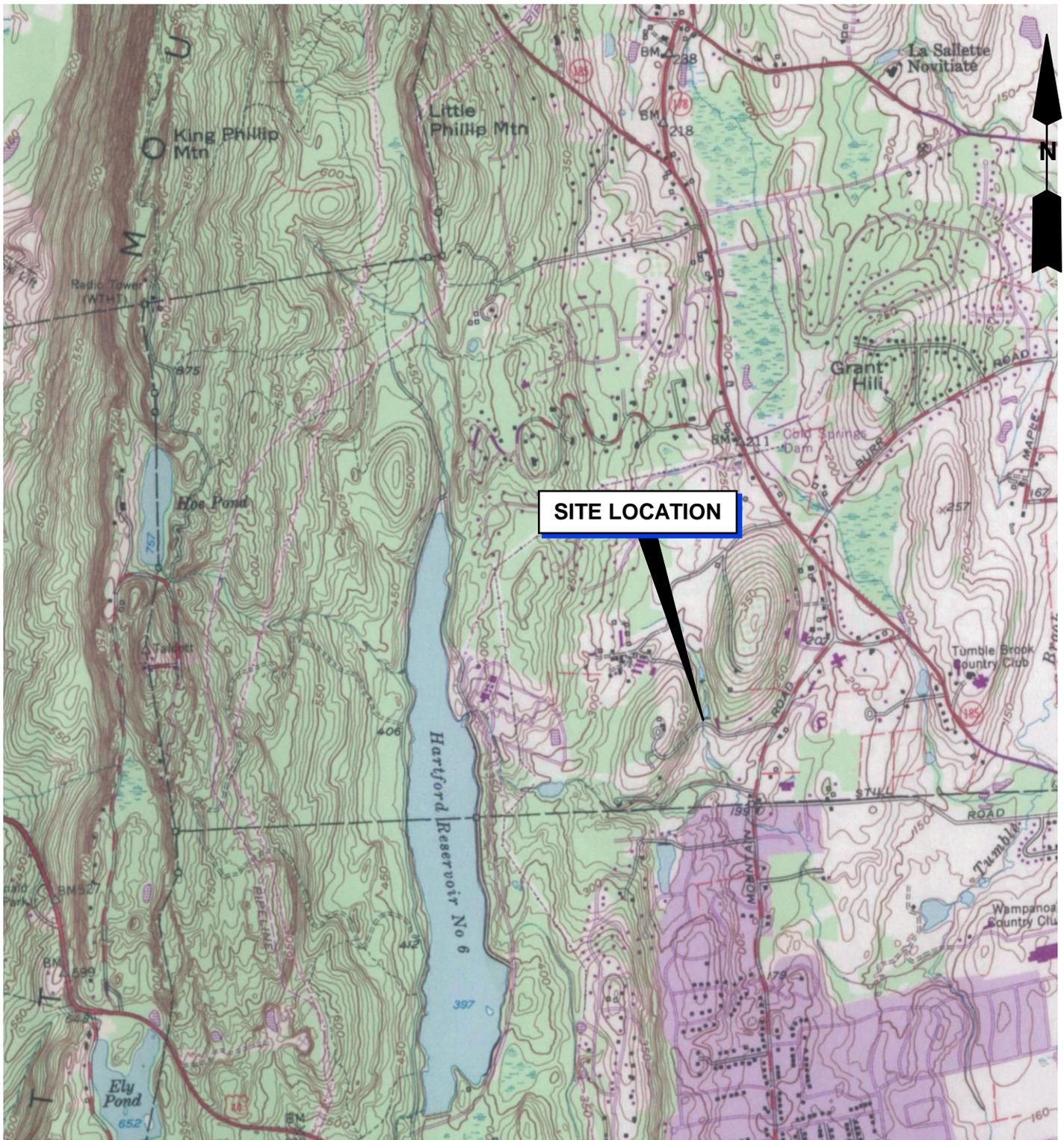
Date

9 Termination

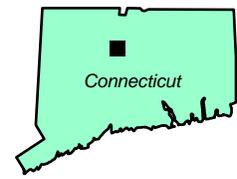
Once the site has been stabilized and all final inspections have occurred, the registrant will file a termination notice. Prior to filing for termination, all temporary erosion and sediment control measures will be removed. A blank copy of the termination form is provided in *Appendix E*.

Figures

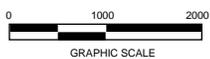




MAP REFERENCE:
 THIS MAP WAS PREPARED FROM THE FOLLOWING
 7.5 MINUTE SERIES TOPOGRAPHIC MAP:
 AVON, CONN. 1957 REVISED 1984



Quadrangle Location



SCALE: 1"=2000'



FUSS & O'NEILL

SITE LOCATION MAP
 BALBRAE CONDOMINIUMS

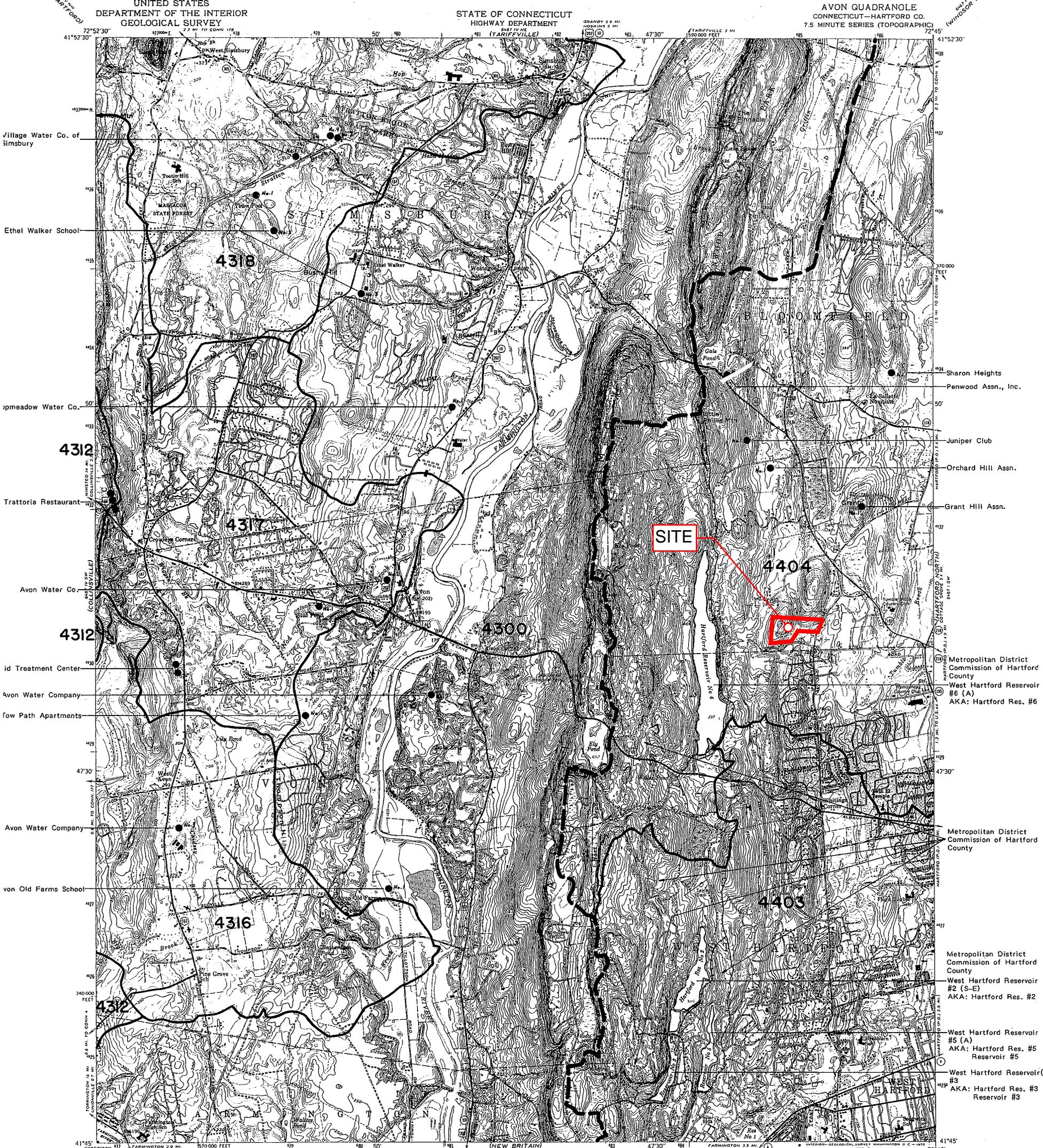
BLOOMFIELD

CONNECTICUT

PROJ. No: 20101297.A10
 DATE: APRIL 2016

FIG-1

Figure 2



UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

STATE OF CONNECTICUT HIGHWAY DEPARTMENT

AVON QUADRANGLE CONNECTICUT—HARTFORD CO. 7.5 MINUTE SERIES (TOPOGRAPHIC)

Mapped, edited, and published by the Geological Survey

Control by USGS, USCGS, and Connecticut Geodetic Survey Topography from aerial photographs by multiplex methods Aerial photographs taken 1944. Field check 1948 Revised 1957

Polyconic projection. 1927 North American datum 10,000-foot grid based on Connecticut coordinate system 1000-meter Universal Transverse Mercator grid ticks, zone 18, shown in blue

Fine red dashed lines indicate selected fence and field lines visible on aerial photographs. This information is unchecked Red tint indicates area in which only landmark buildings are shown Areas covered by dashed light-purple pattern are subject to controlled inundation



CONTOUR INTERVAL 10 FEET DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION

Heavy-duty ——— Light-duty - - - - -
Medium-duty ——— Unimproved dirt ······

U.S. Route □ State Route ○

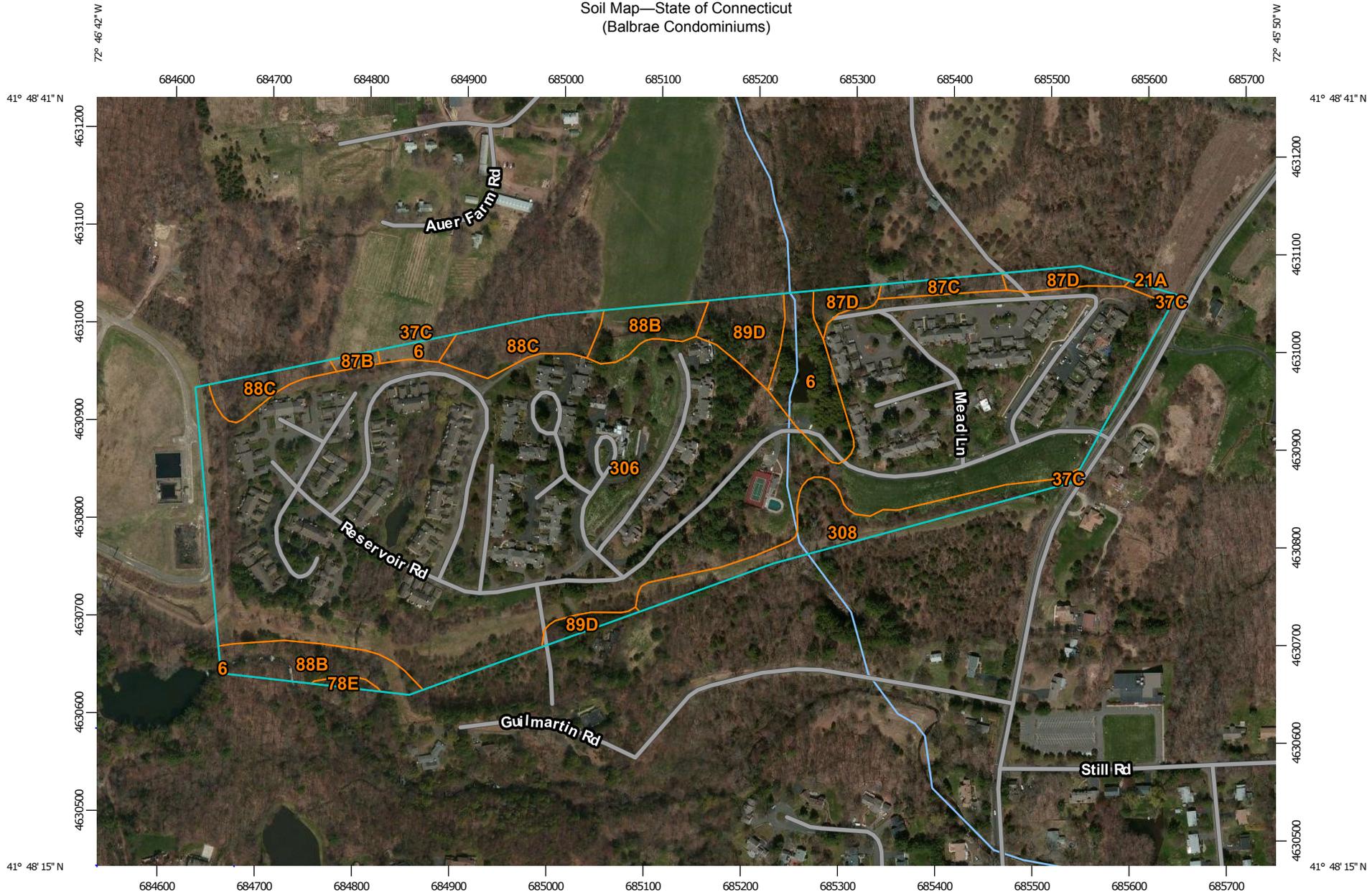


AVON, CONN.—36
N4145—W7245/7.5

1957
PHOTOREVISED 1968
AMS 6467 IV SE—SERIES V816

Figure 3-1

Soil Map—State of Connecticut
(Balbrae Condominiums)



Map Scale: 1:5,540 if printed on A landscape (11" x 8.5") sheet.
0 50 100 200 300 Meters
0 250 500 1000 1500 Feet
Map projection: Web Mercator Corner coordinates: WGS84 Edge ticks: UTM Zone 18N WGS84



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut
Survey Area Data: Version 14, Sep 22, 2015

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 28, 2011—Apr 18, 2011

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

State of Connecticut (CT600)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
6	Wilbraham and Menlo soils, extremely stony	2.4	3.5%
21A	Ninigret and Tisbury soils, 0 to 5 percent slopes	0.1	0.2%
37C	Manchester gravelly sandy loam, 3 to 15 percent slopes	0.1	0.1%
78E	Holyoke-Rock outcrop complex, 15 to 45 percent slopes	0.1	0.2%
87B	Wethersfield loam, 3 to 8 percent slopes	0.2	0.2%
87C	Wethersfield loam, 8 to 15 percent slopes	0.5	0.7%
87D	Wethersfield loam, 15 to 25 percent slopes	1.0	1.5%
88B	Wethersfield loam, 3 to 8 percent slopes, very stony	2.8	4.1%
88C	Wethersfield loam, 8 to 15 percent slopes, very stony	2.4	3.5%
89D	Wethersfield loam, 15 to 35 percent slopes, extremely stony	1.7	2.5%
306	Udorthents-Urban land complex	54.7	79.6%
308	Udorthents, smoothed	2.6	3.8%
Totals for Area of Interest		68.7	100.0%

Figure 4-1

Natural Diversity Data Base Areas

BLOOMFIELD, CT

September 2015

 State and Federal Listed Species & Significant Natural Communities

 Town Boundary

NOTE: This map shows general locations of State and Federal Listed Species and Significant Natural Communities. Information on listed species is collected and compiled by the Natural Diversity Data Base (NDDB) from a number of data sources. Exact locations of species have been buffered to produce the general locations. Exact locations of species and communities occur somewhere in the shaded areas, not necessarily in the center. A new mapping format is being employed that more accurately models important riparian and aquatic areas and eliminates the need for the upstream/downstream searches required in previous versions.

This map is intended for use as a preliminary screening tool for conducting a Natural Diversity Data Base Review Request. To use the map, locate the project boundaries and any additional affected areas. If the project is within a shaded area there may be a potential conflict with a listed species. For more information, complete a Request for Natural Diversity Data Base State Listed Species Review form (DEP-APP-007), and submit it to the NDDB along with the required maps and information. More detailed instructions are provided with the request form on our website.

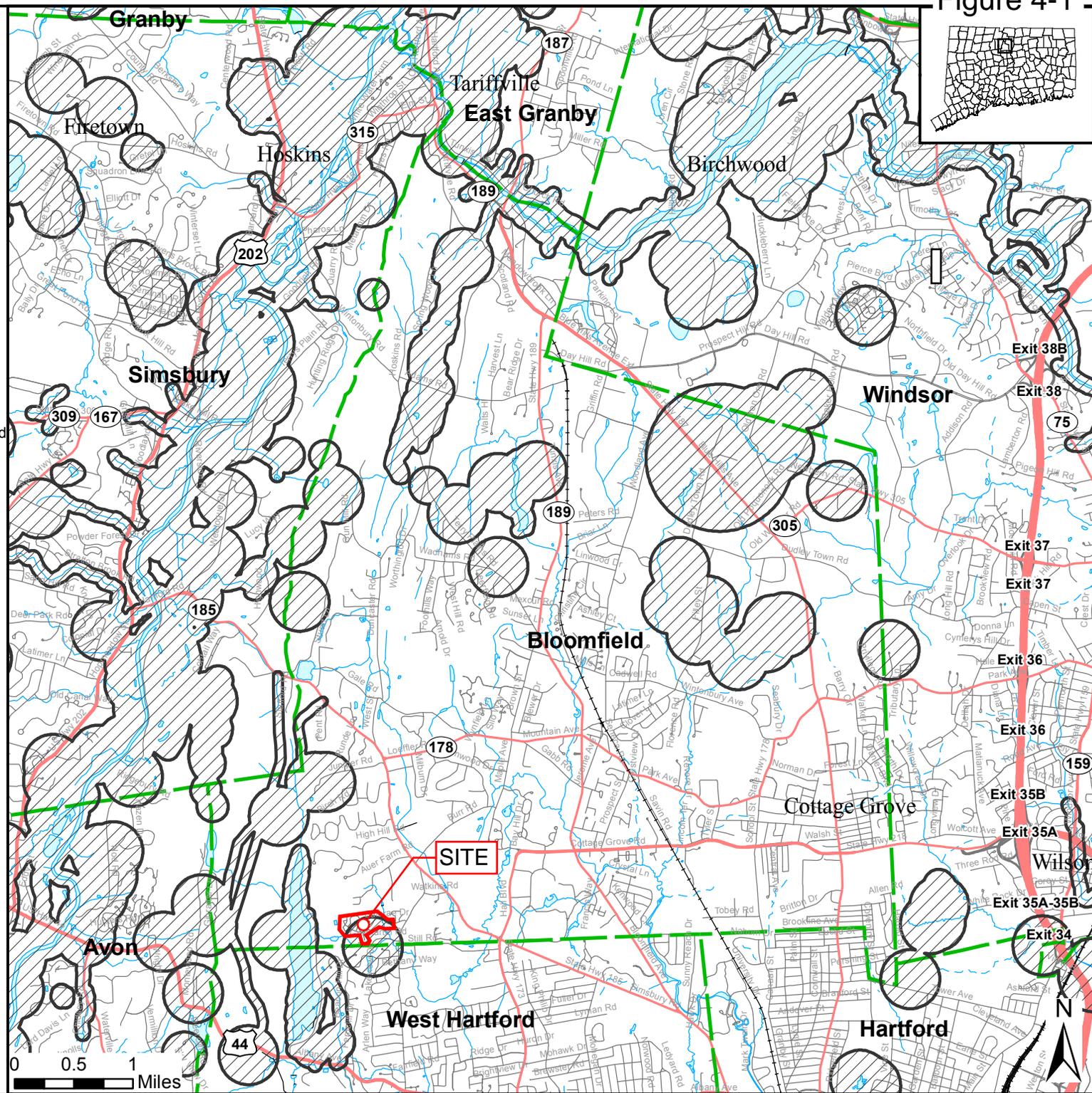
www.ct.gov/deep/nddbrequest

Use the CTECO Interactive Map Viewers at www.cteco.uconn.edu to more precisely search for and locate a site and to view aerial imagery with NDDB Areas.

QUESTIONS: Department of Energy and Environmental Protection (DEEP)
79 Elm St., Hartford CT 06106
Phone (860) 424-3011

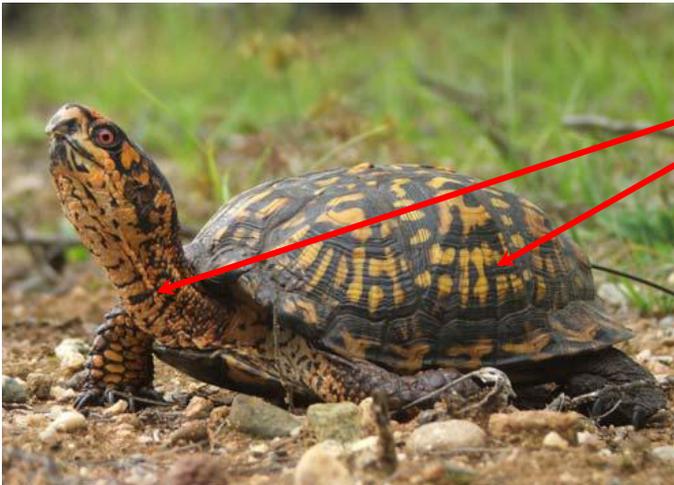


Connecticut Department of Energy & Environmental Protection
Bureau of Natural Resources
Wildlife Division



SPECIES IDENTIFICATION

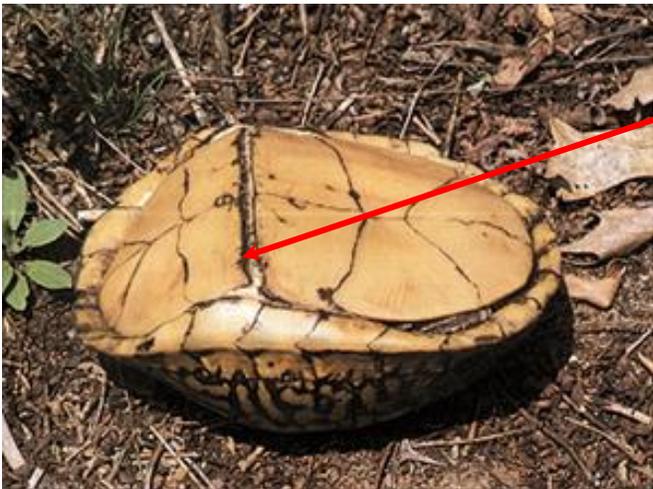
Figure 4-2



Orange coloration on their shells, necks and limbs

Ridged and sculpted shell

Nesting Site



Lower shell hinged



FUSS & O'NEILL
Disciplines to Deliver

146 HARTFORD ROAD, MANCHESTER CT 06040

860-646-2469

www.FandO.com

Identification & Best Management Practices

Eastern Box Turtle

Terrapene carolina carolina

CT Species of Special Concern

BEST MANAGEMENT PRACTICES

Figure 4-3

Motorized Vehicle Use

- If Operation and Maintenance Plan (OMP) activities are necessary, extra care should be used when using heavy machinery or traveling in vehicles through mapped priority habitat
- Do not drive service vehicles or ATVs in nesting areas

Stream Crossings

- Avoid stream crossings in priority habitat areas to the extent feasible
- When stream crossings in priority habitats are necessary, temporary bridges shall be laid down across streams prior crossing by motorized equipment

Vegetation Management

- November 1 through April 1 — Follow OMP and Vegetation Management Plan
- April 2 through October 31 — Follow Guidelines below:

Mowing

- Raise mower blades to 8 to 12 inches above the ground
- Remove turtles from work area. Visually inspect the ground in front of the equipment while working. Remove found turtles from the path of vehicles or heavy equipment.
- Avoid mowing in nesting areas from June 1 – June 30. Stay at least 250 feet away from nesting turtles

Shrub & Tree Removal

- Avoid vegetation removal along streams or vernal pools (depressional ponds that fill with rain water in the spring and fall) to the extent feasible.
- No cutting, filling, or stockpiling of materials shall occur within wetland resource areas or potential or certified vernal pools, even if the wetlands are seasonally dry.

Construction Activities

Excavation—If excavation is required, complete within one day or backfill open trenches daily

E&S Controls —Use only native seed sources for erosion and sedimentation control within 200 feet of rivers, streams, and brooks. Remove any silt fencing at the completion of the work and stabilization.

Found Turtles—Avoid harm to any box turtles found. If any box turtles are found:

- 1) Turtles should be removed from the work area and relocated at a safe distance (250 – 500 feet) by a trained crew member
- 2) Photograph turtle
- 3) Call the contact listed on this page

Who to Contact if Found: Josh Wilson, PWS (Fuss & O'Neill) 860-646-2469 x5303

Info and BMPs taken from the following References:

- Connecticut Department of Environmental Protection. 2008. Eastern Box Turtle, *Terrapene carolina carolina*. Endangered and Threatened Species Fact Sheet. Bureau of Natural Resources, Wildlife Division.
- Natural Heritage and Endangered Species Program. 2007. Massachusetts Forestry Conservation Management Practices for Eastern Box Turtles. Version 2007.1. Natural Heritage and Endangered Species Program, Massachusetts Division of Fisheries and Wildlife, Westborough, Massachusetts, USA.
- Image of box turtle nesting in MA site: http://farm1.static.flickr.com/152/375785831_fd5b1f80e7.jpg?v=0
- Image of box turtle hinge: http://www.michigan.gov/images/eastern_box_turtle_underside_102932_7.jpg

Notes and Sketch:

Appendix A

Submitted via CTDEEP E-File System



Appendix B

Identification of Contractor and Certification Statements



**BALBRAE CONDOMINIUMS
BLOOMFIELD, CONNECTICUT**

PHASE _____

DATE _____

GENERAL CONTRACTOR

“I certify under penalty of law that I have read and understand the terms and conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. I understand that as a contractor at the site, I am authorized by this general permit, and must comply with the terms and conditions of this general permit, including, but not limited to, the requirements of the Stormwater Pollution Control Plan prepared for the site.”

Signed: _____

Date: _____

Printed Name: _____

Telephone: _____

Title: _____

Firm: _____

Address: _____

**BALBRAE CONDOMINIUMS
BLOOMFIELD, CONNECTICUT**

PHASE _____

DATE _____

SUBCONTRACTOR

“I certify under penalty of law that I have read and understand the terms and conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. I understand that as a subcontractor at the site, I am authorized by this general permit, and must comply with the terms and conditions of this general permit, including, but not limited to, the requirements of the Stormwater Pollution Control Plan prepared for the site.”

Signed: _____

Date: _____

Printed Name: _____

Telephone: _____

Title: _____

Firm: _____

Address: _____

Appendix C

Construction Drawings and Details



DRILLING DETAILS		MATERIAL DESCRIPTION		ANALYT REAL SAMPLE S
Location	REG/ FEN DSD	DESCRIPTION		
B-1	18/24	0-4" Asphalt 4-6" Grayish brown med-coarse sand & fine gravel, dry 6-18" Light reddish brown fine-med sand & coarse angular gravel, dry		
B-2	24/30	0-2.5" Asphalt 2.5-5" Gray med-coarse sand & fine gravel, dry 5-13" Reddish brown med-coarse sand and gravel, dry 13-24" Reddish brown fine-med sand & silt, little fine gravel, moist		
B-3	27.5/30	0-4" Asphalt 4-6.5" Gray medium sand, some fine gravel, dry 6.5-14.5" Reddish brown med-coarse sand & med gravel, dry 14.5-21.5" Reddish brown fine sand & silt, some coarse angular gravel, dry 21.5-27.5" Reddish brown med-coarse sand, little fine gravel, dry		
B-4	28/30	0-3" Asphalt 3-5" Dark gray fine-med sand, dry 5-12" Reddish brown fine-med sand & angular gravel, little red brick fragments @ 12", dry 12-28" Reddish brown fine sand & silt, some fine-med gravel, trace clay (glacial till), dry		
B-5	23.5-30	0-3.5" Asphalt 3.5-6.5" Gray / dark brown fine-med sand, some fine gravel, dry 6.5-12.5" Reddish brown med-coarse sand, some gravel, wet @ 12" 12.5-17.5" Reddish brown fine-med sand, little fine gravel, wet 17.5-23.5" Reddish brown fine-med sand & silt, some fine gravel, trace clay (glacial till), dry		

BORING DIAMETER	BORING METHOD	BORING DEPTH	REMARKS
2.5"	Direct Push	30"	Field Instrument = N/A If refusal is encountered, describe all efforts used to confirm PID/OVM
			Field Decor: Yes / No / Dedicated Device

PROPORTIONS USED:	
Trace (0)	0 to 10%
Line (1)	10 to 20%
	Some (20)
	20 to 35%
	Sand
	35 to 50%

EXAMPLE DESCRIPTION:	
SUN3, F3, 3m F angular gravel, bl silt, tr clay. (10R 5/4), wet at 7 ft.	
Loose. No odor.	
Reviewed by Staff	

BACKFILL	
Asphalt	10" To 4"
Native material/gravel	4" To 30"
Cuttings/Native Material	To
Other	To

F:\2010\1297A10\Site\Visits\Boring Logs 2014-11-12\BoringLog102407.doc (Format Revised 11/15/07)

CIVIL GENERAL NOTES

GENERAL

- SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SHOWN ON THE DRAWINGS TO SCALE OR TO THEIR ACTUAL DIMENSION OR LOCATION. COORDINATE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
- DO NOT RELY SOLELY ON ELECTRONIC VERSIONS OF DRAWINGS, SPECIFICATIONS, AND DATA FILES THAT ARE PROVIDED BY THE ENGINEER. FIELD VERIFY LOCATION OF PROJECT FEATURES.
- PERFORM NECESSARY CONSTRUCTION NOTIFICATIONS, APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK AS REQUIRED BY THE CONTRACT DOCUMENTS.
- PREPARE RECORD DRAWINGS IDENTIFYING AND ACCURATELY SHOWING LOCATIONS OF CAPPED UTILITIES AND OTHER SUBSURFACE STRUCTURAL, ELECTRICAL, AND MECHANICAL CONDITIONS.
- THE TYPE AND LOCATION OF DEPICTED SITE FEATURES ARE APPROXIMATED REPRESENTATIONS OF INFORMATION NOTED ON BASE PLANS REFERENCED BELOW AND FROM FIELD OBSERVATIONS OF VISIBLE FEATURES. ASSUME NO GUARANTEE OF THE COMPLETENESS, EXISTENCE, OR ACCURACY OF THE SITE. FIELD VERIFY EXACT LOCATIONS OF SITE FEATURES, AS NECESSARY.
- BASE PLANS: THE PROPERTY LINES AND PHYSICAL FEATURES ARE BASED ON:
 - IMPROVEMENT LOCATION PLAN (AS-BUILT) SHEET 2 OF 4 PREPARED BY F. A. HESKETH AND ASSOCIATES, INC., ON MARCH 8, 1994.
 - IMPROVEMENT LOCATION PLAN (AS-BUILT) SHEET 3 OF 4 PREPARED BY F. A. HESKETH AND ASSOCIATES, INC., ON MARCH 8, 1994.
 - MAP OF BALBRAE PREPARED BY F.A. HESKETH & ASSOCIATES, INC., ON JUNE 1, 1986.
- THE CONTRACTOR WILL BE ALLOWED TO USE THE EXISTING CLUBHOUSE ON-SITE IN LIEU OF A CONSTRUCTION TRAILER AND AT NO COST. THE CLUBHOUSE MUST BE REPAIRED OF ANY DAMAGES INCURRED BY THE CONTRACTOR OR SUBCONTRACTORS DURING CONSTRUCTION AND CLEANED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE UPON COMPLETION OF CONSTRUCTION. TOILET FACILITIES, POWER, AND HEATING ARE AVAILABLE.

WORK RESTRICTIONS

- DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, FIRE HYDRANTS, AND UTILITIES WITHOUT APPROPRIATE PERMITS OR WRITTEN PERMISSION FROM THE BALBRAE CONDOMINIUM ASSOCIATION.
- WORK IS RESTRICTED TO THE HOURS OF 7:00 AM TO 5:00 PM ON MONDAY THROUGH FRIDAY.

REGULATORY REQUIREMENTS

- WITHIN LOCAL RIGHTS-OF-WAY, PERFORM THE WORK IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS.
- WITHIN STATE RIGHTS-OF-WAY, PERFORM THE WORK IN ACCORDANCE WITH THE LATEST EDITION OF THE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS AND ISSUED REVISIONS/SUPPLEMENTS.
- PROVIDE TRAFFIC SIGNAGE AND PAVEMENT MARKINGS IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
- DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES.
- THIS PROJECT DISTURBS MORE THAN ONE ACRE OF LAND AND FALLS WITHIN THE CONNECTICUT DEEP STORMWATER AND DEWATERING WASTEWATER FROM CONSTRUCTION ACTIVITIES GENERAL PERMIT PROCESS. BALBRAE CONDOMINIUM ASSOCIATION, INC. WILL SUBMIT INFORMATION TO THE DEEP TO SATISFY THIS GENERAL PERMIT. THE CONTRACTOR MUST HAVE A COPY OF THIS GENERAL PERMIT ON SITE AT ALL TIMES.

EROSION AND SEDIMENT CONTROL

- INSTALL EROSION CONTROL MEASURES PRIOR TO STARTING ANY WORK ON THE SITE. REFER TO THE EROSION AND SEDIMENT CONTROL DRAWINGS.
- IMPLEMENT ALL NECESSARY MEASURES REQUIRED TO CONTROL STORMWATER RUNOFF, DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE. PERFORM CORRECTIVE ACTION AS NEEDED FOR EROSION CLEANUP AND REPAIRS TO OFF SITE AREAS, IF ANY, AT NO COST TO OWNER.
- INSPECT AND MAINTAIN EROSION CONTROL MEASURES PER THE SCHEDULE IN THE EROSION AND SEDIMENT CONTROL DRAWINGS. DISPOSE OF SEDIMENT IN AN UPLAND AREA. DO NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
- PERFORM CONSTRUCTION SEQUENCING IN SUCH A MANNER TO CONTROL EROSION AND TO MINIMIZE THE TIME THAT EARTH MATERIALS ARE EXPOSED BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED.
- UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, REMOVE AND DISPOSE OF TEMPORARY EROSION CONTROL MEASURES. CLEAN SEDIMENT AND DEBRIS FROM TEMPORARY MEASURES AND FROM PERMANENT STORM DRAIN AND SANITARY SEWER SYSTEMS.

DEMOLITION

- REMOVE AND DISPOSE OF EXISTING EXCESS PAVEMENT AND UNSUITABLE MATERIAL OFF-SITE UNLESS OTHERWISE NOTED.

CONSTRUCTION LAYOUT

- PROVIDE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED SITE IMPROVEMENTS. FIELD VERIFY EXISTING PAVEMENT AND GROUND ELEVATIONS AT THE INTERFACE WITH PROPOSED PAVEMENTS AND DRAINAGE STRUCTURES BEFORE START OF CONSTRUCTION.
- PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, FIELD VERIFY PROPOSED UTILITY ROUTES AND IDENTIFY ANY INTERFERENCES OR OBSTRUCTIONS WITH EXISTING UTILITIES OR PUBLIC RIGHTS-OF-WAY.
- IMMEDIATELY INFORM THE ENGINEER IN WRITING IF EXISTING UTILITY CONDITIONS CONFLICT OR DIFFER FROM THAT INDICATED AND IF THE WORK CANNOT BE COMPLETED AS INDICATED.
- DIMENSIONS ARE FROM FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS NOTED OTHERWISE.
- BOUNDS OR MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.

EARTHWORK

- NOTIFY UTILITY LOCATOR SERVICE AT LEAST 72 HOURS BEFORE STARTING EXCAVATION.
 CT: "CALL BEFORE YOU DIG" AT 1-800-922-4455.
- STOP WORK IN THE VICINITY OF SUSPECTED CONTAMINATED SOIL, GROUNDWATER OR OTHER MEDIA. IMMEDIATELY NOTIFY THE OWNER SO THAT APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN. RESUME WORK IN THE IMMEDIATE VICINITY ONLY UPON DIRECTION BY THE OWNER.

UTILITIES

- TERMINATE EXISTING UTILITIES IN CONFORMANCE WITH LOCAL, STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SPECIFICATIONS AND DETAILS. COORDINATE UTILITY SERVICE DISCONNECTS WITH UTILITY REPRESENTATIVES.
- THE TYPE, SIZE AND LOCATION OF DEPICTED UNDERGROUND UTILITIES ARE APPROXIMATE REPRESENTATIONS OF INFORMATION OBTAINED FROM FIELD LOCATIONS OF VISIBLE FEATURES, EXISTING MAPS AND PLANS OF RECORD, UTILITY MAPPING, AND OTHER SOURCES OF INFORMATION OBTAINED BY THE ENGINEER. ASSUME NO GUARANTEE AS TO THE COMPLETENESS, SERVICEABILITY, EXISTENCE, OR ACCURACY OF UNDERGROUND FACILITIES. FIELD VERIFY THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES.
- PAY ALL FEES AND COSTS ASSOCIATED WITH UTILITY MODIFICATIONS AND CONNECTIONS, REGARDLESS OF THE ENTITY THAT PERFORMS THE WORK.
- COORDINATE THE WORK AND WORK SCHEDULE WITH UTILITY COMPANIES. PROVIDE ADEQUATE NOTICE TO UTILITIES TO PREVENT DELAYS IN CONSTRUCTION.
- INSTALL PROPOSED PRIVATE UTILITY SERVICES ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY THE AUTHORITY HAVING JURISDICTION (WATER, SEWER, GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.). COORDINATE FINAL DESIGN LOADS AND LOCATIONS WITH OWNER AND ARCHITECT.

SITE RESTORATION

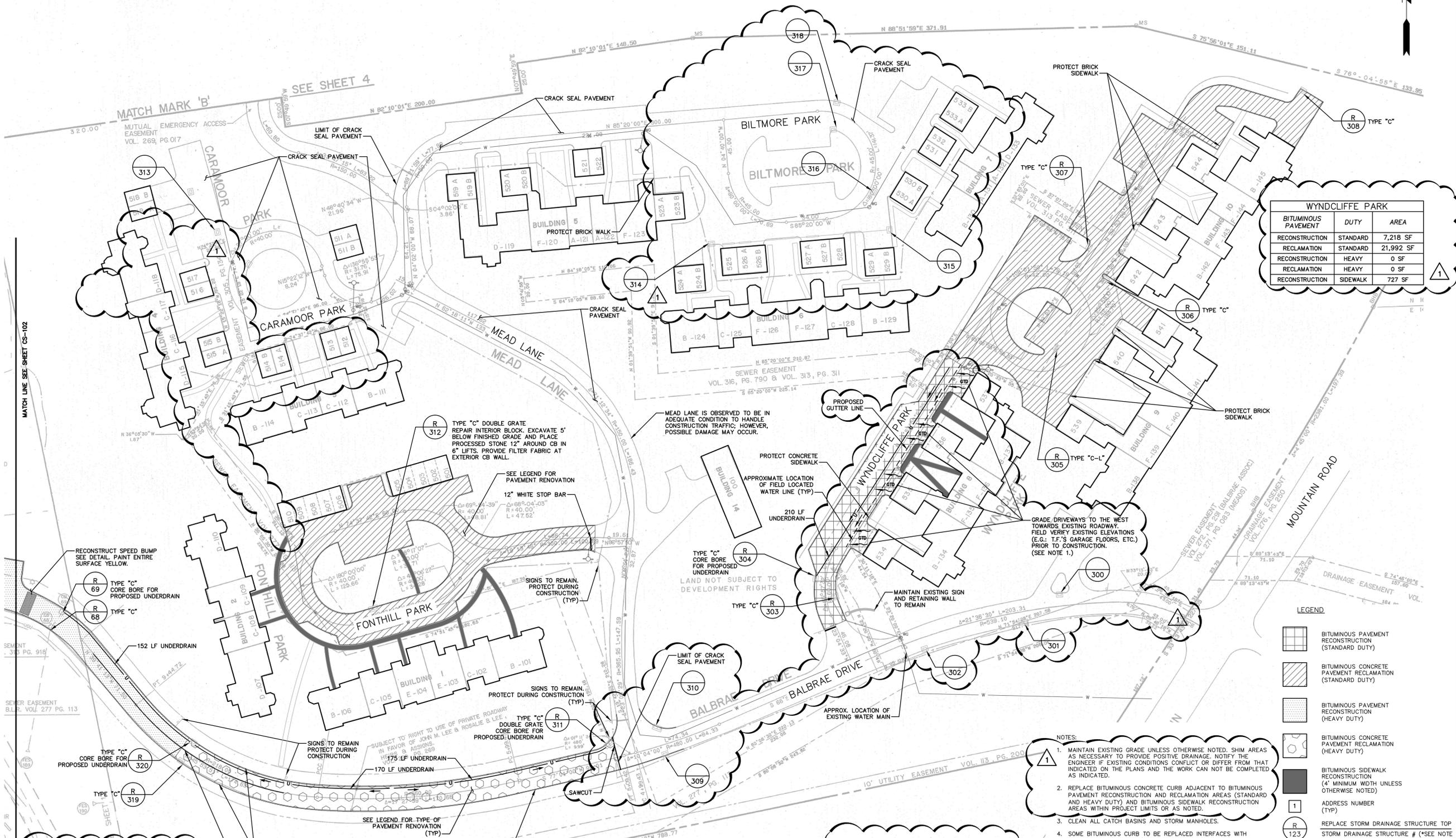
- PROVIDE 6 INCHES OF TOPSOIL AND SEED TO AREAS DISTURBED DURING CONSTRUCTION AND NOT DESIGNATED TO BE RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) UNLESS OTHERWISE NOTED.
- REPAIR DAMAGES RESULTING FROM CONSTRUCTION LOADS, AT NO ADDITIONAL COST TO OWNER.
- RESTORE AREAS DISTURBED BY CONSTRUCTION OPERATIONS TO THEIR ORIGINAL CONDITION OR BETTER, AT NO ADDITIONAL COST TO OWNER.
- IRRIGATION SYSTEMS: UNIT OWNERS ARE RESPONSIBLE FOR MOVING THEIR IRRIGATION SYSTEMS, AS NECESSARY. THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR WORK ASSOCIATED WITH IRRIGATION SYSTEMS.

SCALE: HORIZ: NTS VERT: N/A DATUM: HORIZ: N/A VERT: 0	GRAPHIC SCALE
FUSS & O'NEILL 146 HARTFORD ROAD SUITE 100 HARTFORD, CONNECTICUT 06108 860.646.2460 www.fandob.com	
BALBRAE CONDOMINIUM ASSOCIATION, INC. GENERAL NOTES PAVEMENT RENOVATION CONNECTICUT BLOOMFIELD	
PROJ. No.: 20101297.A10 DATE: 7/22/2015	
GI-002	

N/F
 GEORGETTE A. & RICHARD KOOPMAN
 DOROTHY A. & BERNARD W. SCHIRO

EROSION AND SEDIMENT CONTROL NOTE:
 PROVIDE SEDIMENT CONTROL AT INLET AT CATCH BASINS AND YARD DRAINS WITHIN THE PROJECT LIMITS FOR BOTH PAVEMENT AND SITE LIGHTING RENOVATION PROJECTS.

SITE LIGHTING
 SEE LP-101 THROUGH LP-103, LP-501 FOR SITE LIGHTING, CONDUIT TRENCHING, AND LIGHT FIXTURES & BASE. RESTORE SURFACES TO EXISTING OR PROPOSED PAVEMENT/SIDEWALK SURFACES.



WYNDCLIFFE PARK

BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	7,218 SF
RECLAMATION	STANDARD	21,992 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	0 SF
RECONSTRUCTION	SIDEWALK	727 SF

BALBRAE DRIVE

BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	0 SF
RECLAMATION	STANDARD	0 SF
RECONSTRUCTION	HEAVY	18,314 SF
RECLAMATION	HEAVY	13,217 SF
RECONSTRUCTION	SIDEWALK	0 SF

FONHILL PARK

BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	0 SF
RECLAMATION	STANDARD	13,900 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	0 SF
RECONSTRUCTION	SIDEWALK	2,249 SF

LEGEND

- BITUMINOUS PAVEMENT RECONSTRUCTION (STANDARD DUTY)
- BITUMINOUS CONCRETE PAVEMENT RECLAMATION (STANDARD DUTY)
- BITUMINOUS PAVEMENT RECONSTRUCTION (HEAVY DUTY)
- BITUMINOUS CONCRETE PAVEMENT RECLAMATION (HEAVY DUTY)
- BITUMINOUS SIDEWALK RECONSTRUCTION (4" MINIMUM WIDTH UNLESS OTHERWISE NOTED)
- ADDRESS NUMBER (TYP)
- REPLACE STORM DRAINAGE STRUCTURE TOP STORM DRAINAGE STRUCTURE # (*SEE NOTE BELOW)
- NOT IN CONTRACT, FOR OWNER'S INVENTORY ONLY.
- GRADE TO DRAIN (1% MINIMUM)

- NOTES:**
1. MAINTAIN EXISTING GRADE UNLESS OTHERWISE NOTED. SHIM AREAS AS NECESSARY TO PROVIDE POSITIVE DRAINAGE. NOTIFY THE ENGINEER IF EXISTING CONDITIONS CONFLICT OR DIFFER FROM THAT INDICATED ON THE PLANS AND THE WORK CAN NOT BE COMPLETED AS INDICATED.
 2. REPLACE BITUMINOUS CONCRETE CURB ADJACENT TO BITUMINOUS PAVEMENT RECONSTRUCTION AND RECLAMATION AREAS (STANDARD AND HEAVY DUTY) AND BITUMINOUS SIDEWALK RECONSTRUCTION AREAS WITHIN PROJECT LIMITS OR AS NOTED.
 3. CLEAN ALL CATCH BASINS AND STORM MANHOLES.
 4. SOME BITUMINOUS CURB TO BE REPLACED INTERFACES WITH EXISTING PAVER WALKS (VARIOUS MATERIALS). RESET EDGES OF WALKS TO INSTALL CURB.
 5. THE "UGU" SYMBOL SHOWS THE APPROXIMATE LOCATION OF THE MAIN ELECTRIC LINES MARKED OUT BY NAEVA GEOPHYSICS, INC. ON OCTOBER 14, 15, AND 16, 2014.
 6. BITUMINOUS, CONCRETE, AND BRICK WALK SIZES AND LOCATIONS ARE APPROXIMATED. VERIFY PRIOR TO CONSTRUCTION.
 7. MAINTAIN VEHICULAR ACCESS TO UNITS DURING CONSTRUCTION. COORDINATE WORK WHICH LIMITS RESIDENTS' ACCESS WITH OWNER. PROVIDE 7 DAYS NOTICE TO OWNER PRIOR TO LIMITED ACCESS.
 8. USE WATERBASED PAVEMENT MARKINGS.
 9. THE EXISTING WATER LINES DEPICTED ARE APPROXIMATE AND ARE BASED ON A COMPILATION OF AVAILABLE MAPPING, GEOPHYSICAL INVESTIGATION, AND VISUAL OBSERVATION OF ABOVE GRADE FEATURES.
- NOTE:**
 REVISED PLAN SET MODIFIED TO REMOVE PROPOSED WATER SERVICES.

FUSS & O'NEILL
 146 HARTFORD ROAD
 WESTFIELD, CONNECTICUT 06090
 860.646.2460
 www.fussandoneill.com

BALBRAE CONDOMINIUM ASSOCIATION, INC.
 SITE LAYOUT PLAN
 PAVEMENT RENOVATION
 CONNECTICUT
 BLOOMFIELD

SCALE: HORIZ.: 1"=40'
 VERT.: NONE
 DATUM: NONE
 HORIZ.: NONE
 VERT.: NONE
 GRAPHIC SCALE: 0 20 40

1. 12/2/2015 MODIFIED SCOPE FOR RE-BID
 DATE DESCRIPTION DESIGNER REVIEWER

PROJ. No.: 20101297A10
 DATE: 7/22/2015

CS-101

BALBRAE DRIVE (MANSION)		
BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	0 SF
RECLAMATION	STANDARD	24,038 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	0 SF
RECONSTRUCTION	SIDEWALK	0 SF

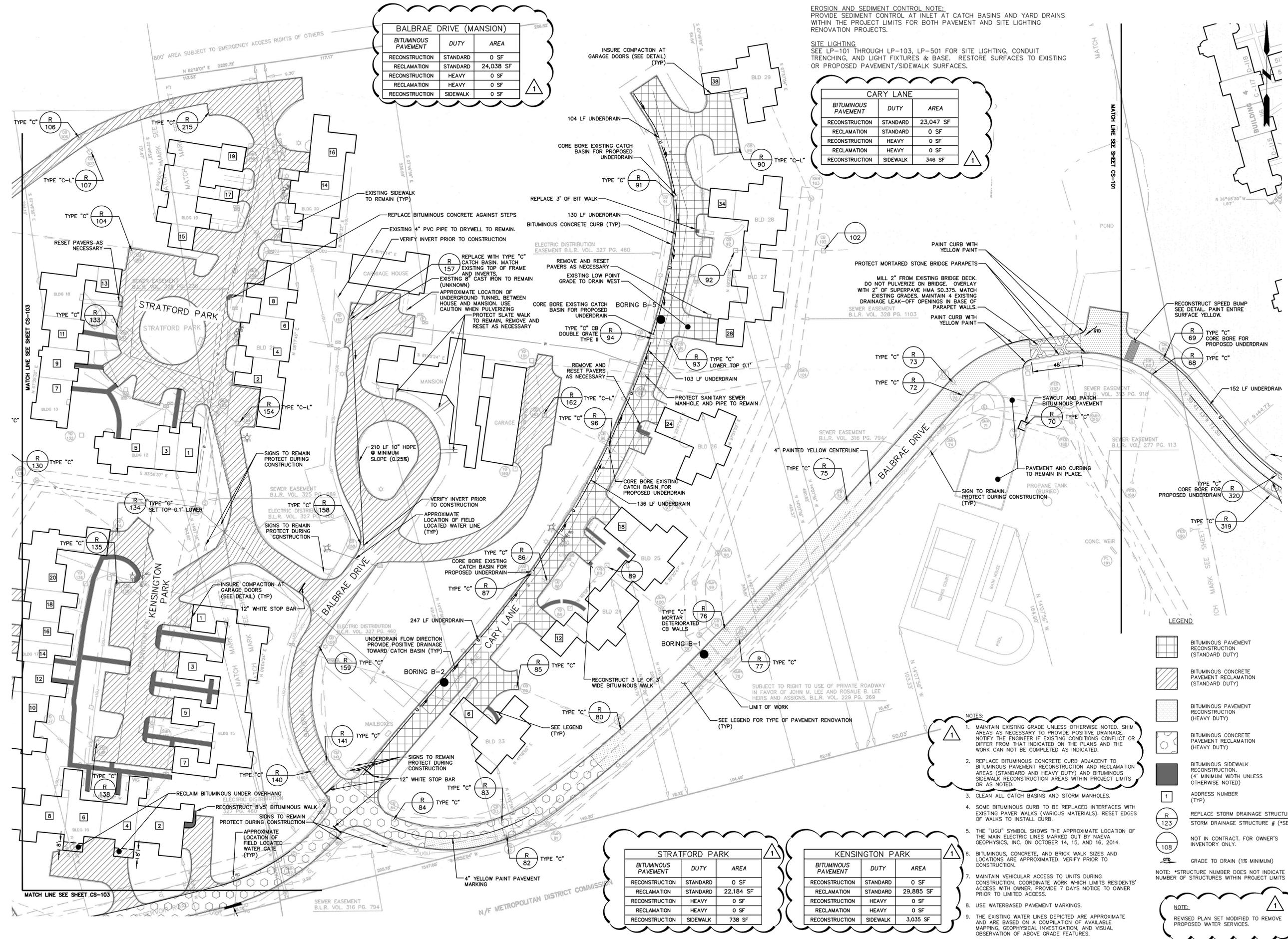
EROSION AND SEDIMENT CONTROL NOTE:
 PROVIDE SEDIMENT CONTROL AT INLET AT CATCH BASINS AND YARD DRAINS WITHIN THE PROJECT LIMITS FOR BOTH PAVEMENT AND SITE LIGHTING RENOVATION PROJECTS.

SITE LIGHTING:
 SEE LP-101 THROUGH LP-103, LP-501 FOR SITE LIGHTING, CONDUIT TRENCHING, AND LIGHT FIXTURES & BASE. RESTORE SURFACES TO EXISTING OR PROPOSED PAVEMENT/SIDEWALK SURFACES.

CARY LANE		
BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	23,047 SF
RECLAMATION	STANDARD	0 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	0 SF
RECONSTRUCTION	SIDEWALK	346 SF

STRATFORD PARK		
BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	0 SF
RECLAMATION	STANDARD	22,184 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	0 SF
RECONSTRUCTION	SIDEWALK	738 SF

KENSINGTON PARK		
BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	0 SF
RECLAMATION	STANDARD	29,885 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	0 SF
RECONSTRUCTION	SIDEWALK	3,035 SF



- NOTES:**
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 9. THE EXISTING WATER LINES DEPICTED ARE APPROXIMATE AND ARE BASED ON A COMPILED OF AVAILABLE MAPPING, GEOPHYSICAL INVESTIGATION, AND VISUAL OBSERVATION OF ABOVE GRADE FEATURES.

LEGEND

- [Grid Pattern] BITUMINOUS PAVEMENT RECONSTRUCTION (STANDARD DUTY)
- [Diagonal Lines] BITUMINOUS CONCRETE PAVEMENT RECLAMATION (STANDARD DUTY)
- [Dotted Pattern] BITUMINOUS PAVEMENT RECONSTRUCTION (HEAVY DUTY)
- [Hexagonal Pattern] BITUMINOUS CONCRETE PAVEMENT RECLAMATION (HEAVY DUTY)
- [Solid Grey] BITUMINOUS SIDEWALK RECONSTRUCTION (4' MINIMUM WIDTH UNLESS OTHERWISE NOTED)
- [Square with 1] ADDRESS NUMBER (TYP)
- [Circle with R 123] REPLACE STORM DRAINAGE STRUCTURE TOP STORM DRAINAGE STRUCTURE # (*SEE NOTE BELOW)
- [Circle with 108] NOT IN CONTRACT. FOR OWNER'S INVENTORY ONLY.
- [Circle with 910] GRADE TO DRAIN (1% MINIMUM)

NOTE: *STRUCTURE NUMBER DOES NOT INDICATE TOTAL NUMBER OF STRUCTURES WITHIN PROJECT LIMITS

FUSS & O'NEILL
 146 HARTFORD ROAD
 HARTFORD, CONNECTICUT 06100
 www.fussandoneill.com

BALBRAE CONDOMINIUM ASSOCIATION, INC.
 SITE LAYOUT PLAN
 PAVEMENT RENOVATION
 CONNECTICUT
 BLOOMFIELD

SCALE: HORIZ.: 1"=40'
 VERT.: NONE
 DATUM: NONE
 HORIZ.: NONE
 VERT.: NONE
 GRAPHIC SCALE: 0 20 40

1. 12/2/2015 MODIFIED SCOPE FOR RE-BID
 DATE DESCRIPTION DESIGNER REVIEWER

PROJ. No.: 20101297.A10
 DATE: 7/22/2015

CS-102

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 PLOTTER: DWG TO PDF PC3 CTB File: FOSTB
 LAYER STATE:

EROSION AND SEDIMENT CONTROL NOTE:
 PROVIDE SEDIMENT CONTROL AT INLET AT CATCH BASINS AND YARD DRAINS WITHIN THE PROJECT LIMITS FOR BOTH PAVEMENT AND SITE LIGHTING RENOVATION PROJECTS.

SITE LIGHTING:
 SEE LP-101 THROUGH LP-103, LP-501 FOR SITE LIGHTING, CONDUIT, TRENCHING, AND LIGHT FIXTURES & BASE. RESTORE SURFACES TO EXISTING OR PROPOSED PAVEMENT/SIDEWALK SURFACES.

WATER R.O.W. B.L.R. VOL. 285 PG. 342

CHAMBORD PARK

BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	0 SF
RECLAMATION	STANDARD	24,465 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	0 SF
RECONSTRUCTION	SIDEWALK	2,335 SF

BATH CRESCENT (EAST)

BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	0 SF
RECLAMATION	STANDARD	25,896 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	0 SF
RECONSTRUCTION	SIDEWALK	1,374 SF

BATH CRESCENT (WEST)

BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	0 SF
RECLAMATION	STANDARD	23,450 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	0 SF
RECONSTRUCTION	SIDEWALK	783 SF



CHATEAU MARGAUX

BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	2,446 SF
RECLAMATION	STANDARD	26,756 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	3,460 SF
RECONSTRUCTION	SIDEWALK	2,019 SF

RESERVOIR ROAD

BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	0 SF
RECLAMATION	STANDARD	1,781 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	17,856 SF
RECONSTRUCTION	SIDEWALK	130 SF

- NOTES:**
1. MAINTAIN EXISTING GRADE UNLESS OTHERWISE NOTED. SHIM AREAS AS NECESSARY TO PROVIDE POSITIVE DRAINAGE. NOTIFY THE ENGINEER IF EXISTING CONDITIONS CONFLICT OR DIFFER FROM THAT INDICATED ON THE PLANS AND THE WORK CAN NOT BE COMPLETED AS INDICATED.
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- LEGEND:**
- BITUMINOUS PAVEMENT RECONSTRUCTION (STANDARD DUTY)
 - BITUMINOUS CONCRETE PAVEMENT RECLAMATION (STANDARD DUTY)
 - BITUMINOUS PAVEMENT RECONSTRUCTION (HEAVY DUTY)
 - BITUMINOUS CONCRETE PAVEMENT RECLAMATION (HEAVY DUTY)
 - BITUMINOUS SIDEWALK RECONSTRUCTION (4" MINIMUM WIDTH UNLESS OTHERWISE NOTED)
 - ADDRESS NUMBER (TYP)
 - REPLACE STORM DRAINAGE STRUCTURE TOP
 - STORM DRAINAGE STRUCTURE # (*SEE NOTE BELOW)
 - NOT IN CONTRACT. FOR OWNER'S INVENTORY ONLY.
 - GRADE TO DRAIN (1% MINIMUM)
- NOTE:** *STRUCTURE NUMBER DOES NOT INDICATE TOTAL NUMBER OF STRUCTURES WITHIN PROJECT LIMITS

BALBRAE CONDOMINIUM ASSOCIATION, INC.

SITE LAYOUT PLAN

PAVEMENT RENOVATION

BLOOMFIELD CONNECTICUT

SCALE: HORZ.: 1"=40'
 VERT.: NONE
 DATUM: NONE
 HORZ.: NONE
 VERT.: NONE
 GRAPHIC SCALE: 0 20 40

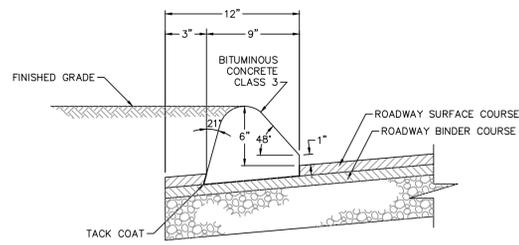
FUSS & O'NEILL
 146 HARTFORD ROAD
 WESTPORT, CONNECTICUT 06480
 860.646.2460
 www.fussandoneill.com

PROJ. No.: 20101297A10
 DATE: 7/22/2015

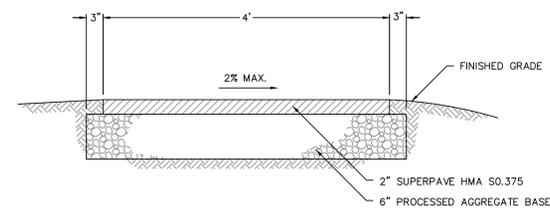
CS-103

DESIGNER: []
 REVIEWER: []
 DATE: 12/2/2015
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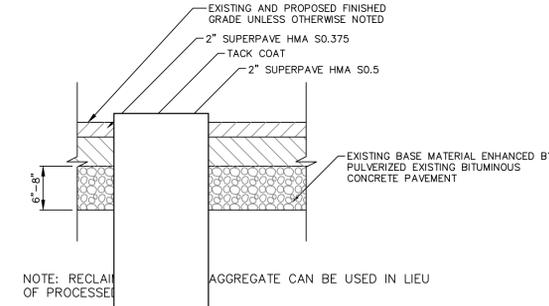
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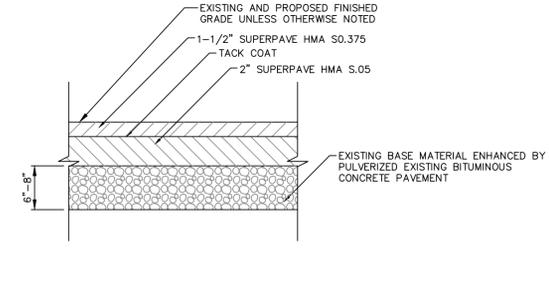
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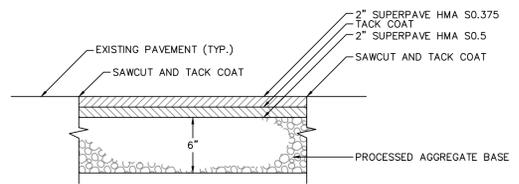
BITUMINOUS SIDEWALK RECONSTRUCTION
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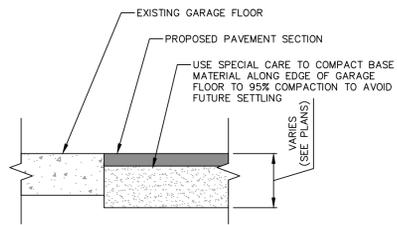
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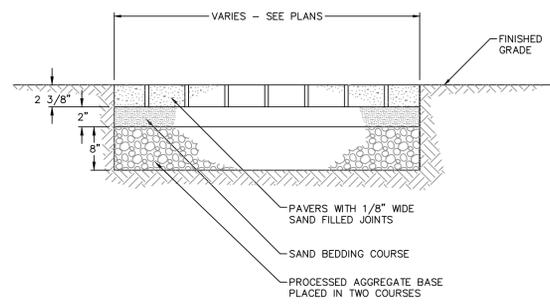
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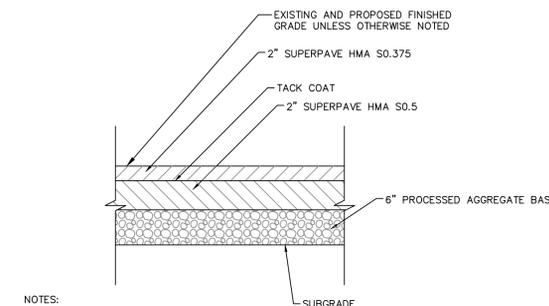
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COMPACTION AT GARAGE FLOORS
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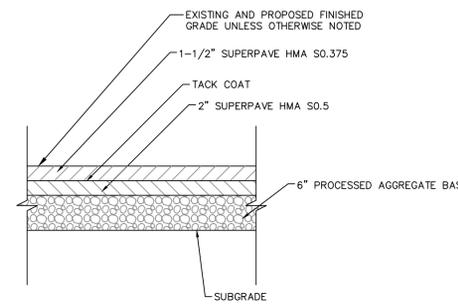


PAVER SIDEWALK
 NOT TO SCALE



- NOTES:
1. ALL MATERIALS ARE NEW, EXCEPT AS NOTED.
 2. IMPORTED DOT-APPROVED RECLAIMED PROCESSED AGGREGATE MAY BE SUBSTITUTED FOR PROCESSED AGGREGATE AS LONG AS IT MEETS THE FORM 816 SPECIFICATION.

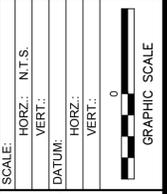
BITUMINOUS PAVEMENT RECONSTRUCTION (HEAVY DUTY)
 SCALE: NOT TO SCALE



- NOTES:
1. ALL MATERIALS ARE NEW, EXCEPT AS NOTED.
 2. IMPORTED DOT-APPROVED RECLAIMED PROCESSED AGGREGATE MAY BE SUBSTITUTED FOR PROCESSED AGGREGATE AS LONG AS IT MEETS THE FORM 816 SPECIFICATION.

BITUMINOUS PAVEMENT RECONSTRUCTION (STANDARD DUTY)
 SCALE: NOT TO SCALE

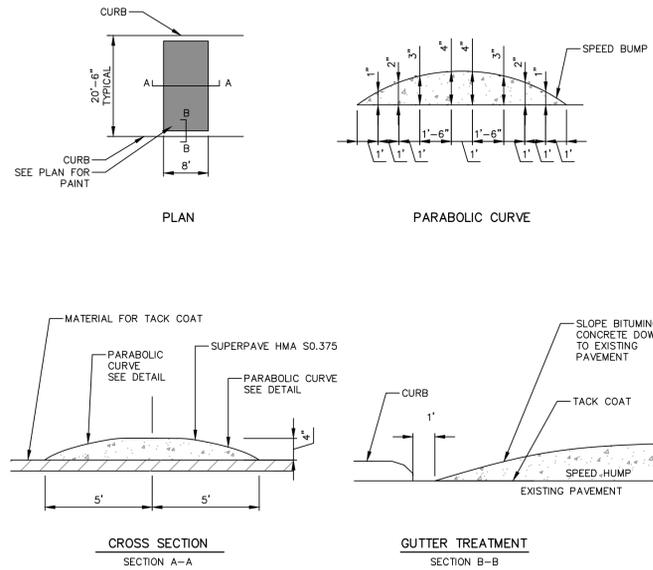
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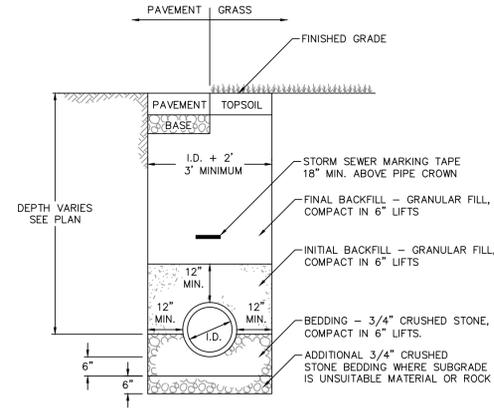
FUSS & O'NEILL
 146 HARTFORD ROAD
 NORTH HAVEN, CONNECTICUT 06460
 860.646.2460
 www.fussandoneill.com

BALBRAE CONDOMINIUM ASSOCIATION, INC.
 SITE DETAILS
 PAVEMENT RENOVATIONS
 BLOOMFIELD CONNECTICUT

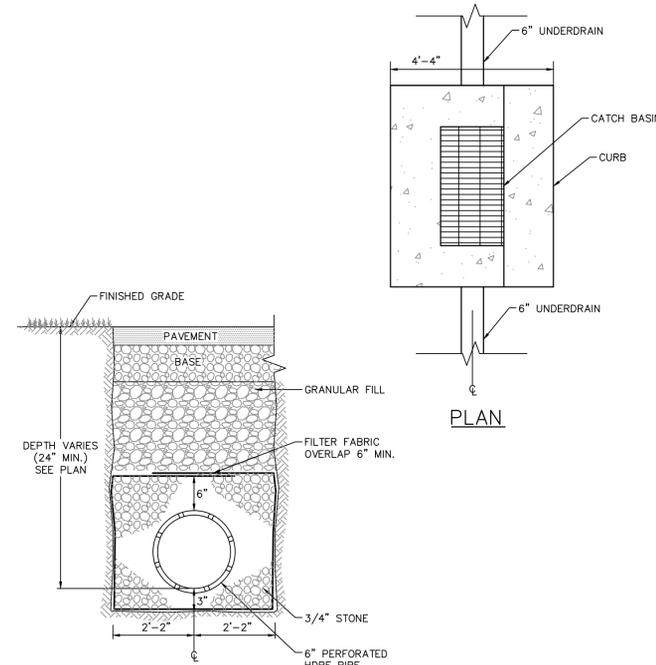
PROJ. No.: 2010 1297.A10
 DATE: 7/22/2015
CD-502



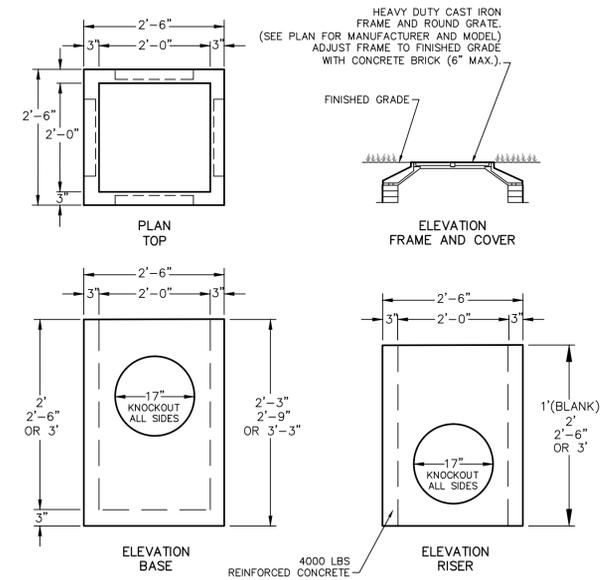
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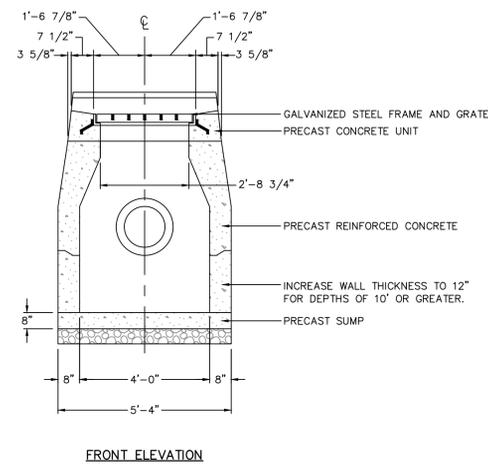
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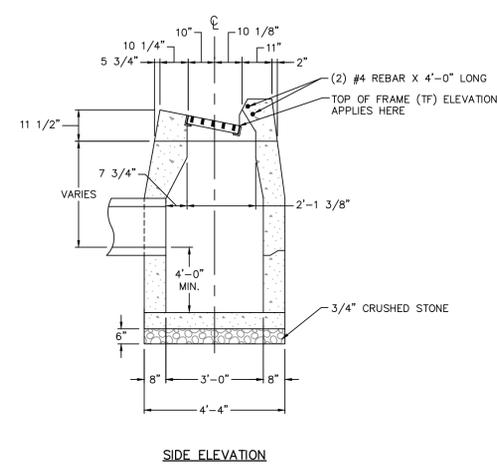
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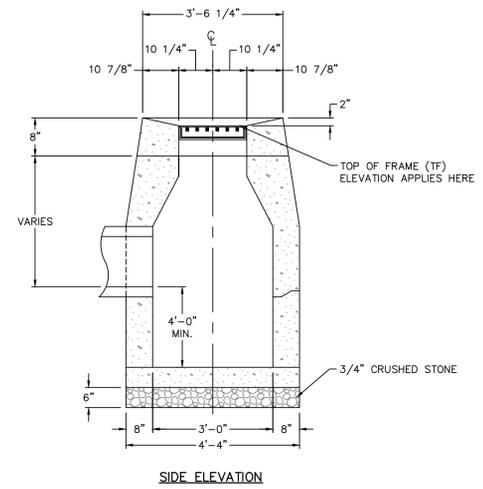
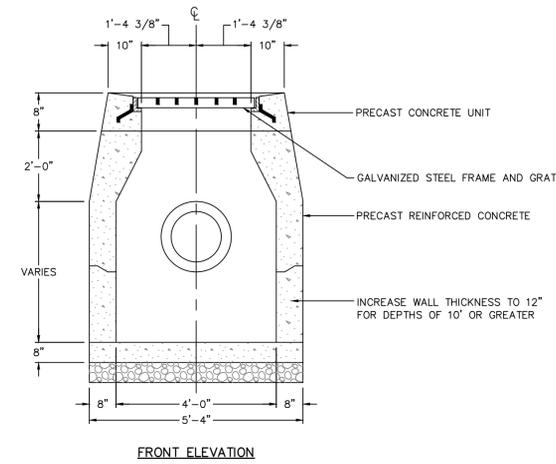
YARD DRAIN (HEAVY DUTY)
NOT TO SCALE



TYPE "C" CATCH BASIN
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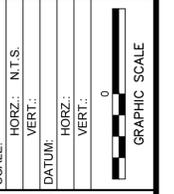


TYPE "C-L" CATCH BASIN
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 PLOTTER: DWG TO PDF.PC3 CTB File: FOSTB
 LAYER STATE:

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	12/2/2015	MODIFIED SCOPE FOR RE-BID - DELETED DETAILS	LMD	HDB



FUSS & O'NEILL
 146 HARTFORD ROAD
 NORTH HAVEN, CONNECTICUT 06460
 860.646.2460
 www.fuss.com

BALBRAE CONDOMINIUM ASSOCIATION, INC.
 SITE DETAILS
 PAVEMENT RENOVATIONS
 CONNECTICUT
 BLOOMFIELD

PROJ. No.: 2010 1297.A10
 DATE: 7/22/2015

CD-503

Appendix D

Existing and Proposed Impervious Area Comparison





April 2016

Project # 20101297.A10

Balbrae Condominium Association, Inc.
Balbrae Condominiums Pavement Restoration
Bloomfield, CT 06002

Stormwater Pollution Control Plan
Appendix D
Existing and Proposed Impervious Coverage Comparison

Impervious Coverage Calculations			
Renovation Work to be Performed	Existing Impervious (SF)	Proposed Impervious (SF)	Change (SF)
Heavy Duty Reclamation	34,533	34,533	0
Standard Duty Reclamation	214,347	214,347	0
Heavy Duty Reconstruction	18,314	18,314	0
Standard Duty Reconstruction	32,711	32,711	0
Sidewalk Reconstruction	13,756	13,756	0

*Total net change in impervious area between existing and proposed conditions = 0 SF.

Appendix E

Notice of Termination Form





General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

Notice of Termination Form

Please complete and submit this form in accordance with the general permit (DEP-PED-GP-015) in order to ensure the proper handling of your termination. Print or type unless otherwise noted.

Note: Ensure that for commercial and industrial facilities, registrations under the *General Permit for the Discharge of Stormwater Associated with Industrial Activity* (DEP-PED-GP-014) or the *General Permit for the Discharge of Stormwater from Commercial Activities* (DEP-PED-GP-004) have been filed where applicable. For questions about the applicability of these general permits, please call the Department at 860-424-3018.

Part I: Registrant Information

1. Permit number: GSN			
2. Fill in the name of the registrant(s) as indicated on the registration certificate: Registrant:			
3. Site Address: City/Town: _____ State: _____ Zip Code: _____			
4. Date all storm drainage structures were cleaned of construction sediment: Date of Completion of Construction: _____ Date of Last Inspection (must be at least three months after final stabilization pursuant to Section 6(b)(6)(D) of the general permit): _____			
5. Check the post-construction activities at the site (check all that apply):			
<input type="checkbox"/> Industrial	<input type="checkbox"/> Residential	<input type="checkbox"/> Commercial	<input type="checkbox"/> Capped Landfill
<input type="checkbox"/> Other (describe): _____			

Part II: Certification

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute."	
_____ Signature of Permittee	_____ Date
_____ Name of Permittee (print or type)	_____ Title (if applicable)

Note: Please submit this Notice of Termination Form to:
STORMWATER PERMIT COORDINATOR
BUREAU OF WATER MANAGEMENT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

Appendix F

Sedimentation and Erosion Control Inspection Report Form



**SEDIMENTATION AND EROSION CONTROL INSPECTION REPORT
BALBRAE CONDOMINIUMS
BLOOMFIELD, CONNECTICUT**

PHASE _____

DATE _____

INSPECTION INFORMATION

QUALIFIED
INSPECTOR:
RAIN EVENT
WEEKLY
SPECIAL

WEATHER INFORMATION

CURRENT
FORECAST:
DATE OF LAST
RAIN EVENT:
AMOUNT OF LAST
RAIN EVENT:

GENERAL PROJECT COMPLIANCE

APPROXIMATE CURRENT ACRES DISTURBED:		DUST CONTROL MEASURES ESTABLISHED:	Y / N
CONSTRUCTION ENTRANCE INSTALLED:	Y / N	SILT FENCE INSTALLED & FUNCTIONAL:	Y / N
WASHOUT AREA ESTABLISHED:	Y / N	INLET PROTECTION INSTALLED & FUNCTIONAL:	Y / N
WASTE DISPOSAL AREA ESTABLISHED:	Y / N	ALL OTHER E&S CONTROLS INSTALLED & FUNCTIONAL:	Y / N
IN-ACTIVE AREAS STABILIZED:	Y / N	STORMWATER DISCHARGE OBSERVED:	Y / N
DESCRIPTION OF STORMWATER DISCHARGE:			

DISTRIBUTION:

In my judgment the site is **in / out of** compliance with the terms and conditions of the Stormwater Pollution Control Plan and permit.

Signature of Qualified Inspector

Date

“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with section 22a-6 of the Connecticut General Statutes, pursuant to section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute.”

Signature of Permittee/Authorized Representative

Date

PHASE _____

DATE _____

ITEMS NOTED IN THIS INSPECTION:

List specific items relating to erosion & sediment controls, implementation of the plan, description of stormwater discharges, and any water quality monitoring performed during the inspection.

ITEM #	ITEM NOTED	DESCRIPTION OF DEFICENCY	REMEDIAL ACTIONS REQUIRED	IN COMPLIANCE	DATE NOTED	CURRENT STATUS

ITEMS NOTED IN THIS INSPECTION:

**Note: The item numbers listed above correspond to the circled numbering on the attached reference map.

ADDITIONAL COMMENTS OR NOTES:

- Additional Comments

Appendix G

Stormwater Monitoring Report Form (Turbidity Sampling Data) and Sampling Location Maps





**Connecticut Department of
Energy & Environmental Protection**
Bureau of Materials Management & Compliance Assurance
Water Permitting & Enforcement Division

**General Permit for the Discharge of Stormwater and Dewatering Wastewaters from
Construction Activities, issued 8/21/13, effective 10/1/13**
Stormwater Monitoring Report

SITE INFORMATION

Permittee: _____
 Mailing Address: _____
 Business Phone: _____ ext.: _____ Fax: _____
 Contact Person: _____ Title: _____
 Site Name: _____
 Site Address: _____
 Receiving Water (name, basin): _____
 Stormwater Permit No. GSN _____

SAMPLING INFORMATION (Submit a separate form for each outfall)

Outfall Designation: _____ Date/Time Collected: _____
 Outfall Location(s) (lat/lon or map link): _____
 Person Collecting Sample: _____
 Storm Magnitude (inches): _____ Storm Duration (hours): _____
 Size of Disturbed Area at any time: _____

MONITORING RESULTS

Sample #	Parameter	Method	Results (units)	Laboratory (if applicable)
1	Turbidity			
2	Turbidity			
3	Turbidity			
4	Turbidity			

(provide an attachment if more than 4 samples were taken for this outfall)

Avg = _____

STATEMENT OF ACKNOWLEDGMENT

I certify that the data reported on this document were prepared under my direction or supervision in accordance with the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. The information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Authorized Official: _____
 Signature: _____ Date: _____

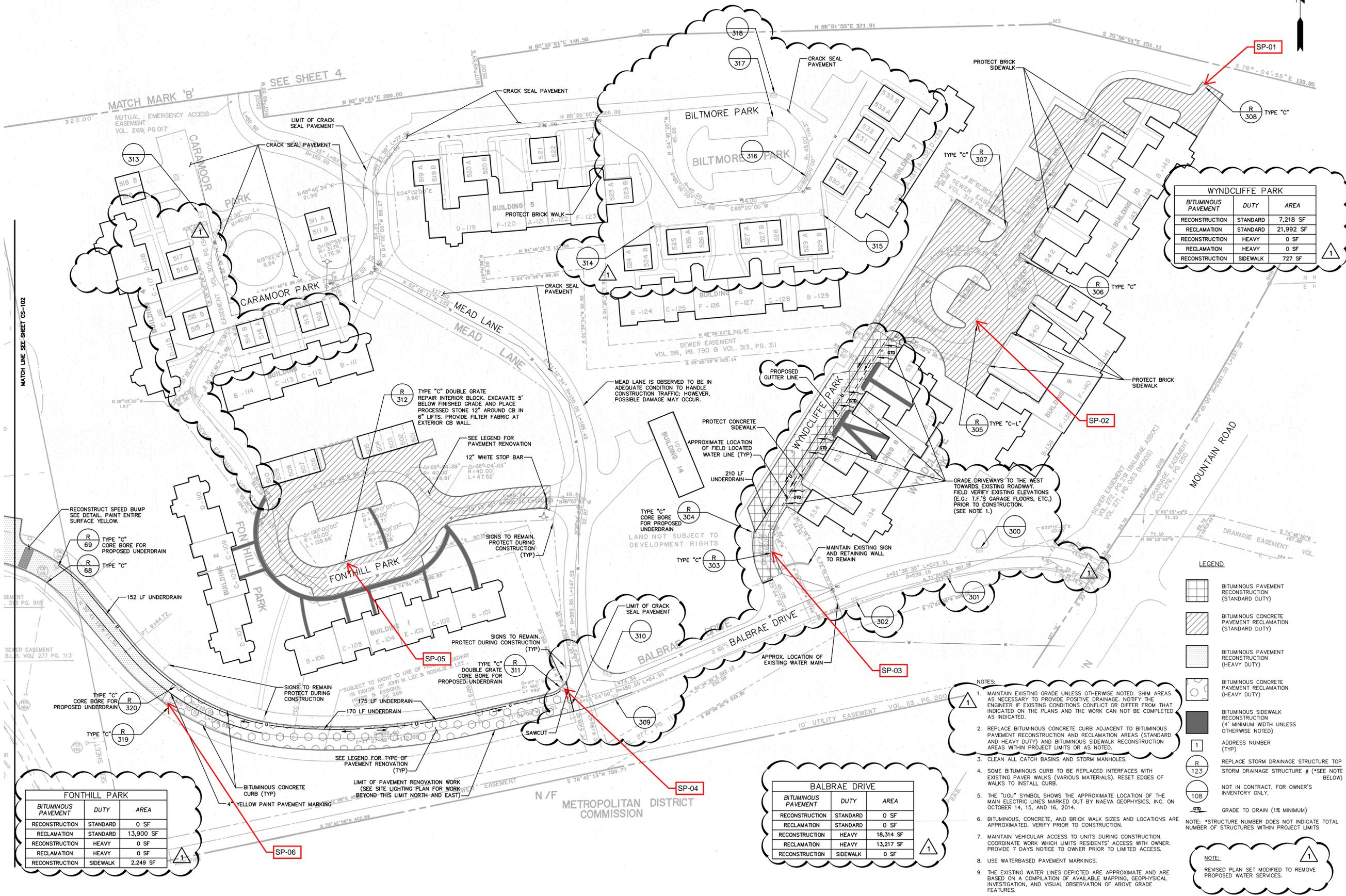
Please send completed form to:

DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION
 BUREAU OF MATERIALS MANAGEMENT AND COMPLIANCE ASSURANCE
 79 ELM STREET
 HARTFORD, CT 06106-5127
 ATTN: NEAL WILLIAMS

N/F
 GEORGETTE A. & RICHARD KOOPMAN
 DOROTHY A. & BERNARD W. SCHIRO

EROSION AND SEDIMENT CONTROL NOTE:
 PROVIDE SEDIMENT CONTROL AT INLET AT CATCH BASINS AND YARD DRAINS WITHIN THE PROJECT LIMITS FOR BOTH PAVEMENT AND SITE LIGHTING RENOVATION PROJECTS.

SITE LIGHTING
 SEE LP-101 THROUGH LP-103, LP-501 FOR SITE LIGHTING, CONDUIT TRENCHING, AND LIGHT FIXTURES & BASE. RESTORE SURFACES TO EXISTING OR PROPOSED PAVEMENT/SIDEWALK SURFACES.



WYNDCLIFFE PARK

BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	7,218 SF
RECLAMATION	STANDARD	21,992 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	0 SF
RECONSTRUCTION	SIDEWALK	727 SF

LEGEND

- BITUMINOUS PAVEMENT RECONSTRUCTION (STANDARD DUTY)
- BITUMINOUS CONCRETE PAVEMENT RECLAMATION (STANDARD DUTY)
- BITUMINOUS PAVEMENT RECONSTRUCTION (HEAVY DUTY)
- BITUMINOUS CONCRETE PAVEMENT RECLAMATION (HEAVY DUTY)
- BITUMINOUS SIDEWALK RECONSTRUCTION (4" MINIMUM WIDTH UNLESS OTHERWISE NOTED)
- ADDRESS NUMBER (TYP)
- REPLACE STORM DRAINAGE STRUCTURE TOP STORM DRAINAGE STRUCTURE # (*SEE NOTE BELOW)
- NOT IN CONTRACT, FOR OWNER'S INVENTORY ONLY.
- GRADE TO DRAIN (1% MINIMUM)

NOTE: *STRUCTURE NUMBER DOES NOT INDICATE TOTAL NUMBER OF STRUCTURES WITHIN PROJECT LIMITS

FONTHILL PARK

BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	0 SF
RECLAMATION	STANDARD	13,900 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	0 SF
RECONSTRUCTION	SIDEWALK	2,249 SF

BALBRAE DRIVE

BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	0 SF
RECLAMATION	STANDARD	0 SF
RECONSTRUCTION	HEAVY	18,314 SF
RECLAMATION	HEAVY	13,217 SF
RECONSTRUCTION	SIDEWALK	0 SF

- NOTES:**
1. MAINTAIN EXISTING GRADE UNLESS OTHERWISE NOTED. SHIM AREAS AS NECESSARY TO PROVIDE POSITIVE DRAINAGE. NOTIFY THE ENGINEER IF EXISTING CONDITIONS CONFLICT OR DIFFER FROM THAT INDICATED ON THE PLANS AND THE WORK CAN NOT BE COMPLETED AS INDICATED.
 2. REPLACE BITUMINOUS CONCRETE CURB ADJACENT TO BITUMINOUS PAVEMENT RECONSTRUCTION AND RECLAMATION AREAS (STANDARD AND HEAVY DUTY) AND BITUMINOUS SIDEWALK RECONSTRUCTION AREAS WITHIN PROJECT LIMITS OR AS NOTED.
 3. CLEAN ALL CATCH BASINS AND STORM MANHOLES.
 4. SOME BITUMINOUS CURB TO BE REPLACED INTERFACES WITH EXISTING PAVER WALKS (VARIOUS MATERIALS). RESET EDGES OF WALKS TO INSTALL CURB.
 5. THE "UGU" SYMBOL SHOWS THE APPROXIMATE LOCATION OF THE MAIN ELECTRIC LINES MARKED OUT BY NAEVA GEOPHYSICS, INC. ON OCTOBER 14, 15, AND 16, 2014.
 6. BITUMINOUS, CONCRETE, AND BRICK WALK SIZES AND LOCATIONS ARE APPROXIMATED. VERIFY PRIOR TO CONSTRUCTION.
 7. MAINTAIN VEHICULAR ACCESS TO UNITS DURING CONSTRUCTION. COORDINATE WORK WHICH LIMITS RESIDENTS' ACCESS WITH OWNER. PROVIDE 7 DAYS NOTICE TO OWNER PRIOR TO LIMITED ACCESS.
 8. USE WATERBASED PAVEMENT MARKINGS.
 9. THE EXISTING WATER LINES DEPICTED ARE APPROXIMATE AND ARE BASED ON A COMPILATION OF AVAILABLE MAPPING, GEOPHYSICAL INVESTIGATION, AND VISUAL OBSERVATION OF ABOVE GRADE FEATURES.
- NOTE:**
 REVISED PLAN SET MODIFIED TO REMOVE PROPOSED WALK SERVICES.

FUSS & O'NEILL
 146 HARTFORD ROAD
 WESTFIELD, CONNECTICUT 06090
 860.646.2460
 www.fussandoneill.com

BALBRAE CONDOMINIUM ASSOCIATION, INC.
 SITE LAYOUT PLAN
 PAVEMENT RENOVATION
 CONNECTICUT
 BLOOMFIELD

SCALE: HORZ.: 1"=40'
 VERT.: 1"=20'
 DATUM: NAD 83
 HORZ.: NONE
 VERT.: NONE
 GRAPHIC SCALE
 0 20 40

1. 12/2/2015
 DATE
 1. 12/2/2015
 MODIFIED SCOPE FOR RE-BID
 DESCRIPTION
 LMD
 DESIGNER
 REVIEWER

PROJ. No.: 20101297.A10
 DATE: 7/22/2015

CS-101

BALBRAE DRIVE (MANSION)		
BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	0 SF
RECLAMATION	STANDARD	24,038 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	0 SF
RECONSTRUCTION	SIDEWALK	0 SF

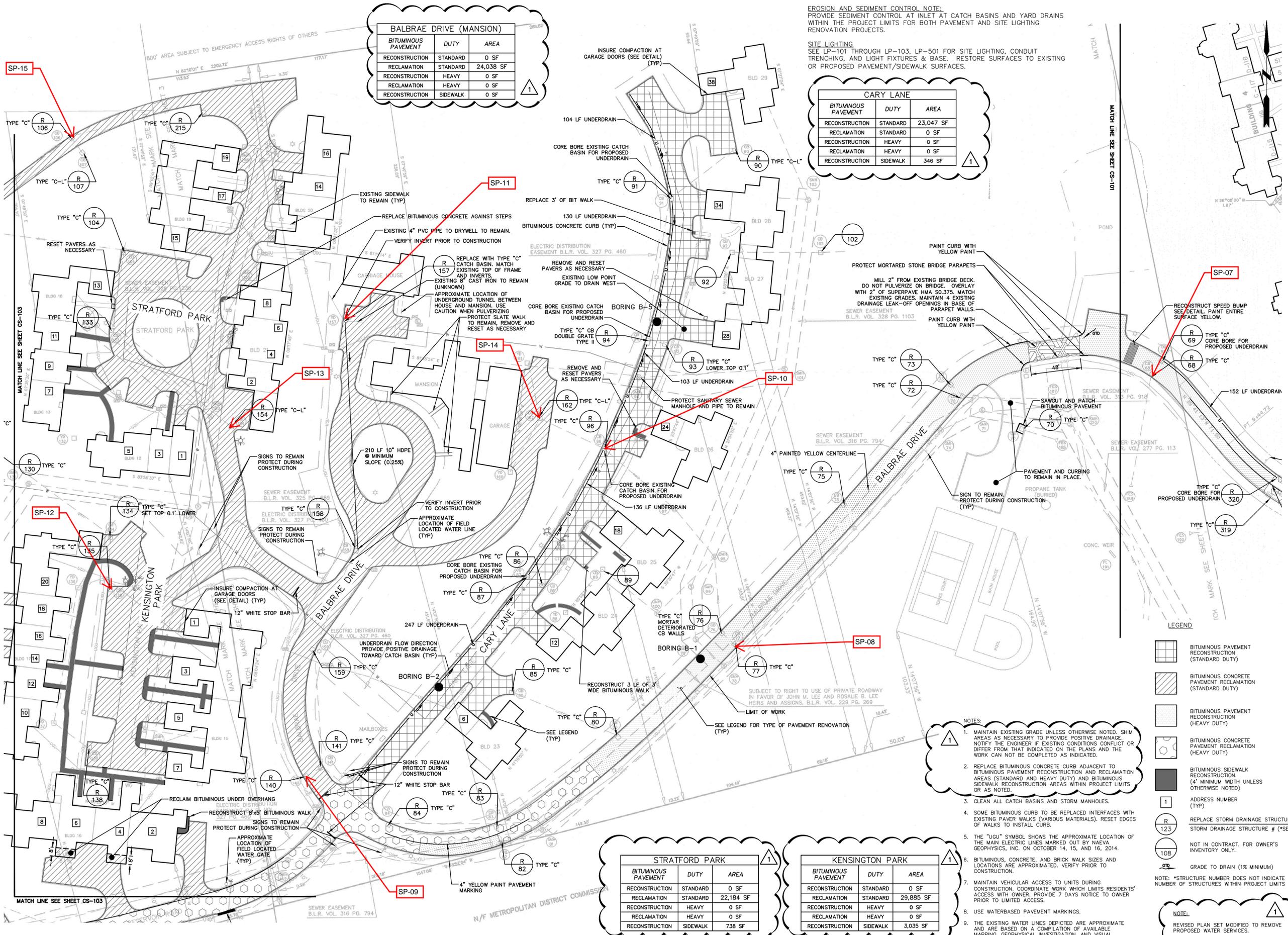
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 PROVIDE SEDIMENT CONTROL AT INLET AT CATCH BASINS AND YARD DRAINS WITHIN THE PROJECT LIMITS FOR BOTH PAVEMENT AND SITE LIGHTING RENOVATION PROJECTS.

SITE LIGHTING
 SEE LP-101 THROUGH LP-103, LP-501 FOR SITE LIGHTING, CONDUIT TRENCHING, AND LIGHT FIXTURES & BASE. RESTORE SURFACES TO EXISTING OR PROPOSED PAVEMENT/SIDEWALK SURFACES.

CARY LANE		
BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	23,047 SF
RECLAMATION	STANDARD	0 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	0 SF
RECONSTRUCTION	SIDEWALK	346 SF

STRATFORD PARK		
BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	0 SF
RECLAMATION	STANDARD	22,184 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	0 SF
RECONSTRUCTION	SIDEWALK	738 SF

KENSINGTON PARK		
BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	0 SF
RECLAMATION	STANDARD	29,885 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	0 SF
RECONSTRUCTION	SIDEWALK	3,035 SF



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 2. REPLACE BITUMINOUS CONCRETE CURB ADJACENT TO BITUMINOUS PAVEMENT RECONSTRUCTION AND RECLAMATION AREAS (STANDARD AND HEAVY DUTY) AND BITUMINOUS SIDEWALK RECONSTRUCTION AREAS WITHIN PROJECT LIMITS OR AS NOTED.
 3. CLEAN ALL CATCH BASINS AND STORM MANHOLES.
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 6. BITUMINOUS, CONCRETE, AND BRICK WALK SIZES AND LOCATIONS ARE APPROXIMATED. VERIFY PRIOR TO CONSTRUCTION.
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 9. THE EXISTING WATER LINES DEPICTED ARE APPROXIMATE AND ARE BASED ON A COMPILED OF AVAILABLE MAPPING, GEOPHYSICAL INVESTIGATION, AND VISUAL OBSERVATION OF ABOVE GRADE FEATURES.

LEGEND

- [Symbol] BITUMINOUS PAVEMENT RECONSTRUCTION (STANDARD DUTY)
- [Symbol] BITUMINOUS CONCRETE PAVEMENT RECONSTRUCTION (STANDARD DUTY)
- [Symbol] BITUMINOUS PAVEMENT RECONSTRUCTION (HEAVY DUTY)
- [Symbol] BITUMINOUS CONCRETE PAVEMENT RECLAMATION (HEAVY DUTY)
- [Symbol] BITUMINOUS SIDEWALK RECONSTRUCTION. (4' MINIMUM WIDTH UNLESS OTHERWISE NOTED)
- [Symbol] ADDRESS NUMBER (TYP)
- [Symbol] REPLACE STORM DRAINAGE STRUCTURE TOP (SEE NOTE BELOW)
- [Symbol] NOT IN CONTRACT. FOR OWNER'S INVENTORY ONLY.
- [Symbol] GRADE TO DRAIN (1% MINIMUM)

NOTE: *STRUCTURE NUMBER DOES NOT INDICATE TOTAL NUMBER OF STRUCTURES WITHIN PROJECT LIMITS

NOTE:
 REVISED PLAN SET MODIFIED TO REMOVE PROPOSED WATER SERVICES.

BALBRAE CONDOMINIUM ASSOCIATION, INC.

SITE LAYOUT PLAN

PAVEMENT RENOVATION

CONNECTICUT

BLOOMFIELD

SCALE: HORIZ.: 1"=40'
 VERT.: NONE
 DATUM: NONE
 HORIZ.: NONE
 VERT.: NONE

GRAPHIC SCALE
 0 20 40

PROJ. No.: 20101297.A10
 DATE: 7/22/2015

CS-102

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.	12/2/2015	MODIFIED SCOPE FOR RE-BID	LMD	HDB

File Path: J:\DWG\20101297A10\CivilPlan\20101297A10_STP01.dwg Layout: CS-102 Plotted: Thu, December 17, 2015 - 11:33 AM User: Idangelo
 PLOTTER: DWG TO PDF PC3 CTB File: FOSTB
 LAYER STATE:

EROSION AND SEDIMENT CONTROL NOTE:
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WATER R.O.W. B.L.R. VOL. 285 PG. 342

CHAMBORD PARK

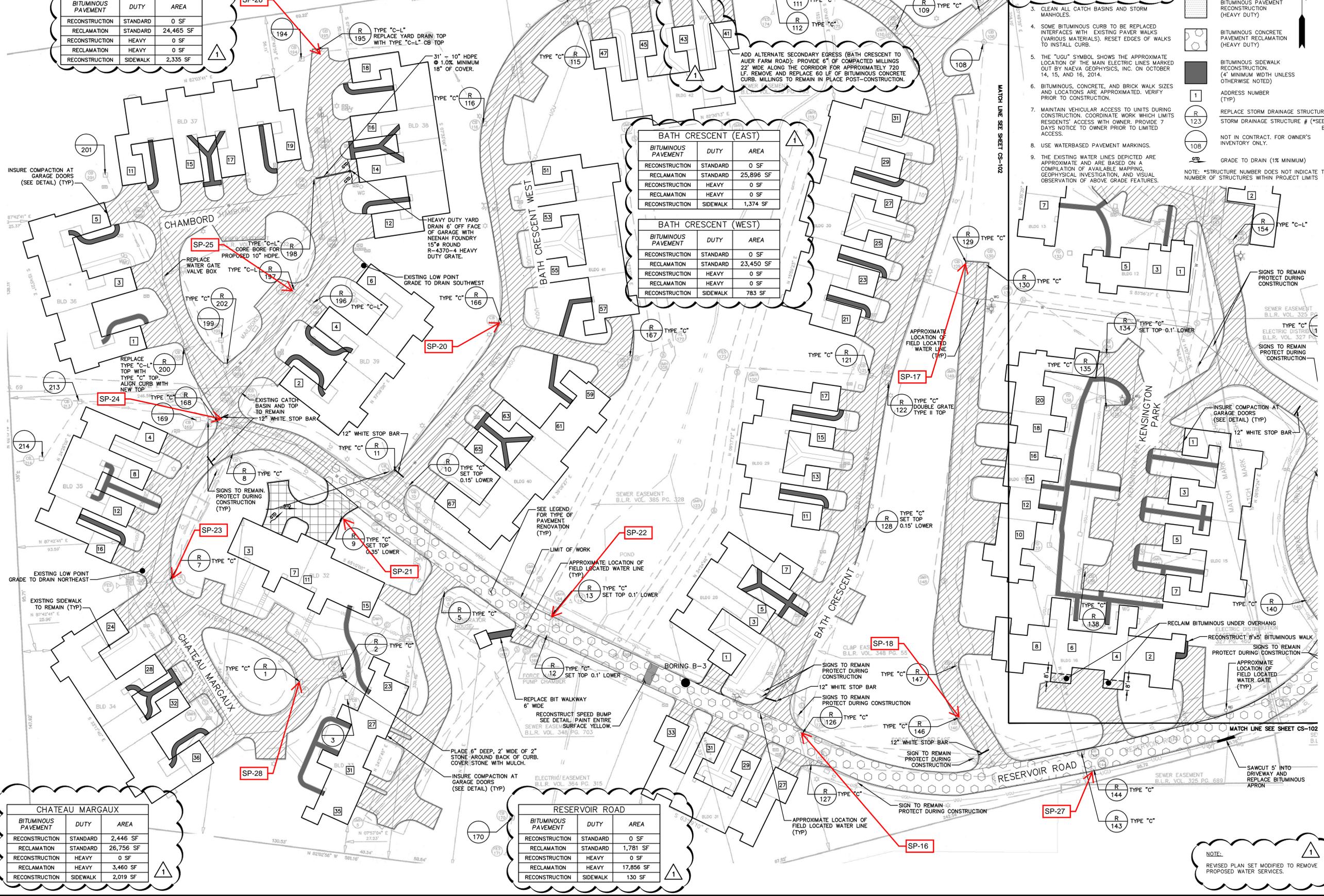
BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	0 SF
RECLAMATION	STANDARD	24,465 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	0 SF
RECONSTRUCTION	SIDEWALK	2,335 SF

BATH CRESCENT (EAST)

BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	0 SF
RECLAMATION	STANDARD	25,896 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	0 SF
RECONSTRUCTION	SIDEWALK	1,374 SF

BATH CRESCENT (WEST)

BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	0 SF
RECLAMATION	STANDARD	23,450 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	0 SF
RECONSTRUCTION	SIDEWALK	783 SF



CHATEAU MARGAUX

BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	2,446 SF
RECLAMATION	STANDARD	26,756 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	3,460 SF
RECONSTRUCTION	SIDEWALK	2,019 SF

RESERVOIR ROAD

BITUMINOUS PAVEMENT	DUTY	AREA
RECONSTRUCTION	STANDARD	0 SF
RECLAMATION	STANDARD	1,781 SF
RECONSTRUCTION	HEAVY	0 SF
RECLAMATION	HEAVY	17,856 SF
RECONSTRUCTION	SIDEWALK	130 SF

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- LEGEND:**
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 - BITUMINOUS CONCRETE PAVEMENT RECLAMATION (STANDARD DUTY)
 - BITUMINOUS PAVEMENT RECONSTRUCTION (HEAVY DUTY)
 - BITUMINOUS CONCRETE PAVEMENT RECLAMATION (HEAVY DUTY)
 - BITUMINOUS SIDEWALK RECONSTRUCTION (4" MINIMUM WIDTH UNLESS OTHERWISE NOTED)
 - ADDRESS NUMBER (TYP)
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 - STORM DRAINAGE STRUCTURE # (*SEE NOTE BELOW)
 - NOT IN CONTRACT. FOR OWNER'S INVENTORY ONLY.
 - GRADE TO DRAIN (1% MINIMUM)
- NOTE:** *STRUCTURE NUMBER DOES NOT INDICATE TOTAL NUMBER OF STRUCTURES WITHIN PROJECT LIMITS

BALBRAE CONDOMINIUM ASSOCIATION, INC.

SITE LAYOUT PLAN

PAVEMENT RENOVATION

BLOOMFIELD CONNECTICUT

SCALE: HORZ.: 1"=40'
 VERT.: NONE
 DATUM: NONE
 HORZ.: NONE
 VERT.: NONE
 GRAPHIC SCALE: 0 20 40
 DATE: 12/2/2015
 MODIFIED SCOPE FOR RE-BID
 DESIGNER/REVIEWER: LMD

PROJ. No.: 20101297.A10
 DATE: 7/22/2015

CS-103