

ENF Environmental Notification Form

<i>For Office Use Only</i> Executive Office of Environmental Affairs	
EOEA No.:	<u>13254</u>
MEPA Analyst:	<u>Anne Canaday</u>
Phone:	617-626- <u>1035</u>

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: Lakewood Estates		
Street: Lakeside Drive		
Municipality: Bridgewater	Watershed: Taunton River Watershed	
Universal Transverse Mercator Coordinates:	Latitude: 71D02'52"W Longitude: 41D57'34"N	
Estimated commencement date: Fall 2004	Estimated completion date: Spring 2006	
Approximate cost: \$500,000	Status of project design: 100 %complete	
Proponent: Can Four Corporation		
Street: 1017 Turnpike Street		
Municipality: Canton	State: Ma	Zip Code: 02021
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Donald Cohen		
Firm/Agency: Can Four Corp	Street: 1017 Turnpike Street	
Municipality: Canton	State: Ma	Zip Code: 02021
Phone: 781 821-0181	Fax: 781 821-6345	E-mail: dcohen@canfour.com

- Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?
 Yes No
- Has this project been filed with MEPA before?
 Yes (EOEA No. _____) No
- Has any project on this site been filed with MEPA before?
 Yes (EOEA No. _____) No
- Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:
- a Single EIR? (see 301 CMR 11.06(8)) Yes No
 - a Special Review Procedure? (see 301 CMR 11.09) Yes No
 - a Waiver of mandatory EIR? (see 301 CMR 11.11) Yes No
 - a Phase I Waiver? (see 301 CMR 11.11) Yes No

Identify any financial assistance or land transfer from an agency of the Commonwealth, including the agency name and the amount of funding or land area (in acres): The project will not seek financial assistance or require a land transfer from the Commonwealth

Are you requesting coordinated review with any other federal, state, regional, or local agency?
 Yes (Specify - DEP-SERO) No

List Local or Federal Permits and Approvals: Bridgewater Planning Board Definitive Subdivision Plan Approval, Bridgewater Conservation Commission Order of Conditions

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- Land
- Water
- Energy
- ACEC

- *** Rare Species
- Wastewater
- Air
- Regulations

- Wetlands, Waterways, & Tidelands
- Transportation
- Solid & Hazardous Waste
- Historical & Archaeological Resources

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
LAND				<input checked="" type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input type="checkbox"/> Chapter 91 License <input type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> MHD or MDC Access Permit <input type="checkbox"/> Water Management Act Permit <input type="checkbox"/> New Source Approval <input type="checkbox"/> DEP or MWRA Sewer Connection/Extension Permit <input type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i> <hr/> Superseding Order of Resource Area Delineation <hr/> <hr/> <hr/> <hr/> <hr/>
Total site acreage	17.29 Acres			
New acres of land altered		4.85 Acres		
Acres of impervious area	0	1.85 Acres	1.85 Acres	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		0		
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				
Gross square footage	0	17,728	17,728*	
Number of housing units	0	8	8	
Maximum height (in feet)	0	35	35	
TRANSPORTATION				
Vehicle trips per day	0	80	80	
Parking spaces	0	2 per home	N/A	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	0	4,400	4,400**	
GPD water withdrawal	0	0	0	
GPD wastewater generation/treatment	0	3520 gpd	3520 gpd	
Length of water/sewer mains (in miles)	0	.18 water on-site	.18 water on-site	

*8 Homes x [44' x 30' (Residence)] + [16' x 20'] + [24' x 24' (Garage)] = 17,728 sf

** 8 Homes x 4 bedrm/home x 110 gal/bdrm x 1.25 (125% peak water use factor) = 4,400 gpd

CONSERVATION LAND: Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?

Yes (Specify _____) No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

Yes (Specify _____) No

RARE SPECIES: Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities?

Yes (Specify 2 Certified Vernal Pools) and Estimated Habitat No

*** Applicant contracted for an independent scientific study of the area in spring-summer of 2003. Study found no evidence of any rare (state listed) species and identified 2 vernal pools on site. Information was submitted to NHESP. Both pools are now certified

HISTORICAL /ARCHAEOLOGICAL RESOURCES: Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

Yes (Specify _____) No

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources?

Yes (Specify _____) No

AREAS OF CRITICAL ENVIRONMENTAL CONCERN: Is the project in or adjacent to an Area of Critical Environmental Concern?

Yes (Specify ___Hockomock Swamp _____) No

PROJECT DESCRIPTION: The project description should include (a) a description of the project site, (b) a description of both on-site and off-site alternatives and the impacts associated with each alternative, and (c) potential on-site and off-site mitigation measures for each alternative (You may attach one additional page, if necessary.)

The proposed project is located on a portion of a 17.29 acres parcel of land located on the east side of Lakeside Drive in Bridgewater, Massachusetts. An existing residential development abuts the property to the south. The site consists of 15.75 acres of upland with the topography varying from an elevation of 54 feet (NGVD) near the northern and southern boundaries along the wetland to a high point of 76 feet (NGVD) in the approximate center of the site with the majority of the uplands above the 72 foot elevation. Topography is gently sloping on the northern and southern sides of the site, with slopes increasing from 1% at the center of the site to 8% as the land approaches Lakeside Drive and the wetland areas. The wetlands on the site are primarily at the edge of the property. Bordering vegetative wetland areas run along the northern and western boundaries of the site. An intermittent stream forms the western boundary. There is also an isolated vegetated wetland at the southern edge of the site (Certified Vernal Pool #2843) with no obvious inlet or outlet. Bordering vegetative wetlands, dominated by red maples and sweet pepper bush, are located to the east, including a second vernal pool (Certification #3311).

The site is wooded. Vegetative cover consists of 80% trees, 45 % shrubs, 8% herbaceous plants and 20% low ground cover. The primary vegetation types are red maple swamp and white pine/hardwood woodlot. The red maple swamp dominates the northeastern wetland areas and the white pine/hardwood woodlot dominates the dryer regions. The white pine woodlots are not pure stands and deciduous tree species, primarily oak and maples intermix to form a mixed woodlot. At the southwestern end of the property, the white pines are large and are the dominant tree species. Directly behind an existing house, which abuts the proposed entry to the subdivision, is an old field that has developed into thorn bush dominated by black locust. Most of the trees in this area are small. Toward the back of the property the pines become small and hardwood species become more dominant in the overstory.

The upland area consists of Windsor and Hinckley soils, which are very permeable sandy soils. More specifically they consist of Hinckley Gravelly Loamy Sand with 3 to 8% slopes, Hinckley Gravelly Loamy Sand with 8 to 15% slopes, Hinckley Gravelly Loamy Sand with 15 to 35% slopes, and Windsor Loamy Sand with 0 to 3% slopes (Source: 1969 Soil Survey of Plymouth County, Ma.). Approximately 25 soil tests were performed indicating an adjusted water table elevation varying from 48" to 90" below the surface.

The proposed Project, Lakewood Estates, is an eight lot single family residential subdivision with frontage on a new roadway, approximately 1000 feet in length, originating at Lakeside Drive and terminating at the center of the Project site. The proposed roadway is twenty-eight feet wide with a five-foot wide sidewalk on each side and incorporates sloped granite curbing. The development will be serviced by town water and underground telephone, electric, and cable TV. Sewage disposal is addressed by individual on-site septic systems. The proposed drainage system was designed in conformance with DEP Stormwater Management Policy and the Bridgewater Subdivision Regulations, which requires that the post-development rate and volume of runoff shall not exceed 90% of the corresponding predevelopment rate and volume of runoff. At the recommendation of the Planning Board, an infiltration recharge system instead of a detention pond has been located at the entrance to the Project site to control runoff for up to the 100-year storm event for the first 300 feet of roadway. A water quality inlet structure is located adjacent to the infiltration structures. The remaining 700 feet of roadway and front lawns drain into a three foot deep detention pond located at the northeast side of the site beyond and below the cul-de-sac. The detention pond is designed with a sediment forebay. In addition to the forebay, a 4,000 gallon water quality inlet structure is located at the end of the cul-de-sac to eliminate sediment prior to reaching the sediment forebay. A drainage pipe will channel any emergency overflow away from the vernal pool at the entrance during any storm in excess of a 100 year 24-hour event.