

**Mill Creek Environmental Education Park Phasing Schedule**

**PHASE 1**

Item	Quantity	Unit
<b>Construction Investigation and Observation</b>		
<b>Site Preparation:</b>		
Sediment and Erosion Control Fencing/Tree Protection Fencing	240	lf
<b>Park Site Furnishings</b>		
Picnic Table	1	ea
Bike Rack	1	ea
Deck Area Kiosk Information Sign	1	ea
Environmental Education Building Area Kiosk Information Sign	1	ea
Trash Receptacles - Covered Top	2	ea
All Terrain Wheelchair with kayak/canoe carrier	1	ea
<b>Outdoor Classroom</b>		
Brick Seatwall and Firepit w/ Expanded Metal Grill Rack (16' ft. to double as seatwall if there is no fire)	33	lf
Split Log Benches - 6' length	5	ea
<b>Canoe and Kayak Boating Access</b>		
Canoe/Kayak Floating Dock and Launch	256	sf
Aluminum Gangway	1	ls
Flood Deck - 8'x40' with accessible ramp	106	sf
Flood Deck Shoreline Stabilization	25	lf
<b>Kayak/Canoe Drop Off and Turn Around - Improvements on Existing Driveway</b>		
Concrete Wheelstops	2	ea
Pavement Striping	1	ea
<b>Vehicular Controlled Access</b>		
6"x8" PIP Wood bollards and chain	1	ls
<b>Improvements to Existing Gravel Drive</b>		
Undercutting to remove unsuitable soil	64	cy
Stone Backfill - 12"	136	ton
Top dress access shoulders and seed for stabilization	575	sf
<b>Parking Facilities - Gravel and Concrete Parking Lot</b>		
Undercutting and Grading	112	cy
Van Accessible Concrete Space with Accessible Aisle, Striping and Concrete sidewalk to Driveway	39	sq
Van Accessible Concrete Space with Accessible Aisle, Striping and Concrete sidewalk to Driveway	134	ton
Van Accessible Sign	1	ls
Concrete Wheelstops	6	ea
<b>Parking Lot Landscaping:</b>		
Canopy trees	1	ea
Understory trees	2	ea
Shrubs	18	ea
Top dress grading and seeding in disturbed areas adjacent to parking	2,965	sf

**PHASE 2**

Item	Quantity	Unit
<b>Boardwalk Access to Kayak/Canoe Launch and Dock Facilities:</b>		
Elevated Boardwalk Trail - 8' wide w/ Torque	206	lf
Flood Deck Railing at Shoreline	9	lf
Concrete Crosswalk	14	sf
<b>Environmental Education Center - Phase 1*</b>		
Accessible entrance ramp with railing	100	sf

\* Phase 2 of Environmental Education Center not included at this time

**PHASE 3**

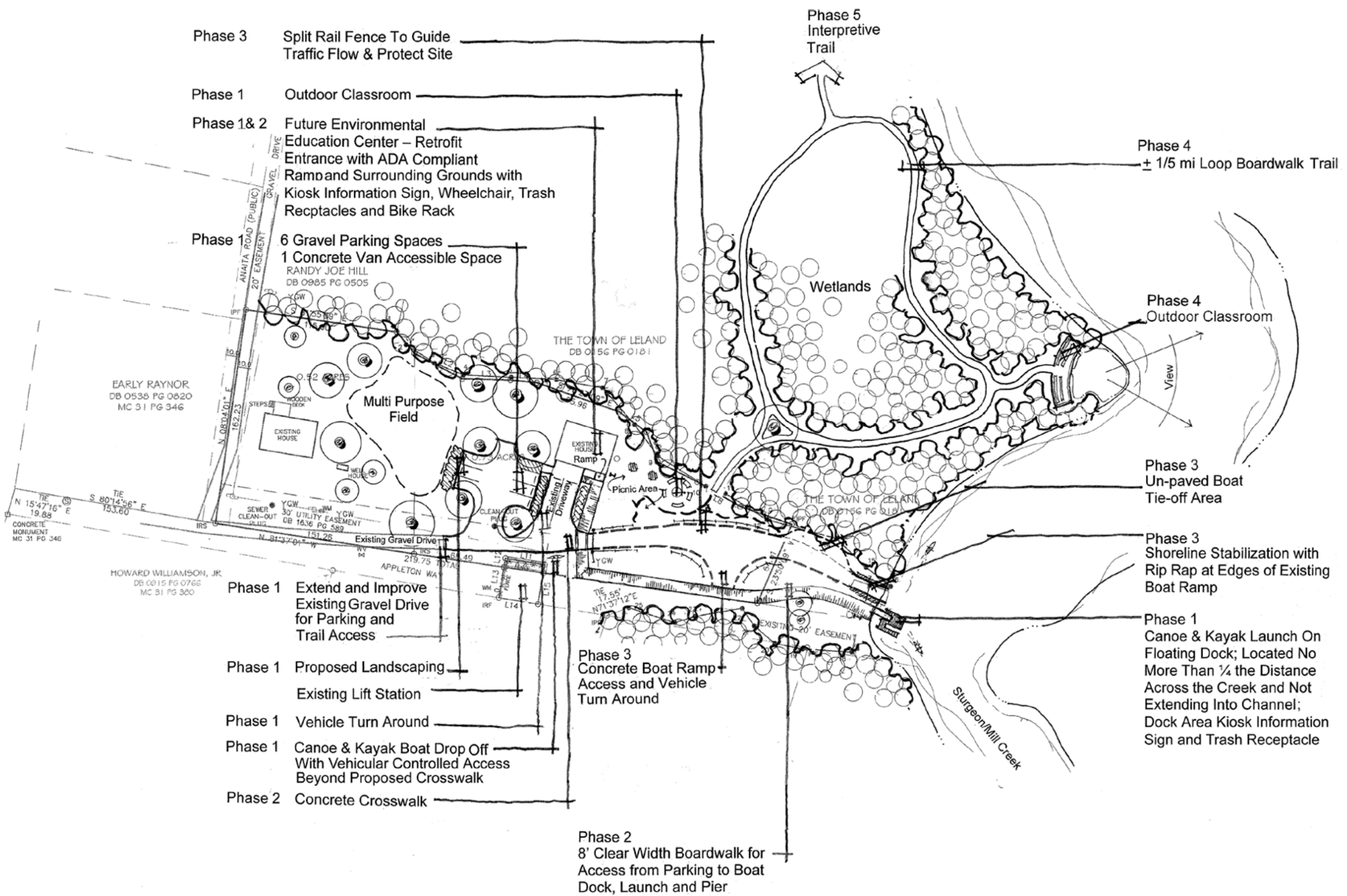
Item	Quantity	Unit
<b>Boat Launch Stabilization</b>		
Rip Rap reinforcement	54	sq
<b>Boat Launch Access Concrete Drive</b>		
Undercutting to remove unsuitable soil	212	cy
Stone Backfill - 12"	426	ton
Concrete Driveway Extended from Existing Gravel Road (includes concrete and stone sub base)	300	lf
Top dress access shoulders and seed for stabilization	11,300	sf
Cedar Split Rail Fence	240	lf
<b>Unpaved Boat Tie Off Area</b>		
Undercutting to remove unsuitable soil	19	cy
Stone backfill - 12"	37.5	ton
Top dress and seed for stabilization	500	sf
<b>Unpaved Back Out for Vehicle/Trailer Parking</b>		
Undercutting to remove unsuitable soil	11	cy
Stone backfill - 6"	11.5	ton
Top dress and seed for stabilization	300	sf
Reshape Existing Raised Landscape Bed and Grade to Drive	1	ls

**PHASE 4**

Item	Quantity	Unit
<b>± 1/3 Mile Interpretive Loop Boardwalk and Outdoor Classroom Facilities:</b>		
Main Elevated Boardwalk Trail - 6' wide w/ Wood Handrails	1,856	lf
Elevated Outdoor Classroom w/ Metal Handrails	1,024	sf

**PHASE 5**

Item	Quantity	Unit
<b>Interpretive Boardwalk Connecting Park Area Loop to Neighborhood:</b>		
Main Elevated Boardwalk Trail - 6' wide w/ Wood Handrails	4,224	lf



Rev. Date: May 14, 2009  
Date: January 23, 2009

**Mill Creek Environmental Education Park**  
Conceptual Site Plan  
Leland, NC

This site plan is a graphic representation and should be utilized for discussion purposes only. This site plan approximates the edge of creeks and or water bodies in addition to property boundaries. Plan components may change based upon regulatory approvals, delineated wetlands, appropriate soils for development of structures and/or onsite septic systems and field conditions which at this point in the planning process have not been determined. HSPA takes no responsibility for financial assumptions related to this drawing.

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