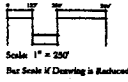


SWANSON & ASSOCIATES, P.A.
 LANDSCAPE ARCHITECT
 25 WEST BRAMBLE DRIVE
 CHAPEL HILL, NORTH CAROLINA 27514
 PHONE: 774-517-3333
 FAX: 774-517-3333
 WWW: SWANSONARCH.COM

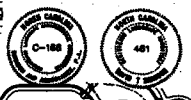


AREA MAP
 ARCHITECT: FRANK HARMON
 DATE: 11/15/05
 PROJECT: NORTH CAROLINA BOTANICAL GARDEN VISITOR EDUCATION CENTER
 THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
 SCALE: 1" = 250'



SUP SUBMITTAL

Attachment 15



Road Improvements at Manning Drive/US 15-501 Intersection
 - Widened to add extra right turn lane
 - The corner will not be covered by landscape treatment
 - Land use by landscape treatment is not covered by this drawing

Pedestrian/Bike Path
 10 ft. wide gravel surface path
 connection to Old Mason Farm Rd
 This work will not be in scope for Specialized Site Plans
 and will be implemented under separate contract.

Pedestrian Path
 8 ft. wide gravel surface path
 connection to Old Mason Farm Rd
 (Refer to Sheet L-102.3 Site Plan)
 This work will not be in scope for Specialized Site Plans
 and will be implemented under separate contract.

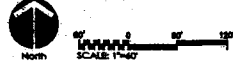
Improved Curve Alignment for Laurel Hill Road and Colar Drive
 - Realigning to delineate and grade for curves for street.
 - All work related to drainage for Specialized Plans
 through the landscape treatment system.

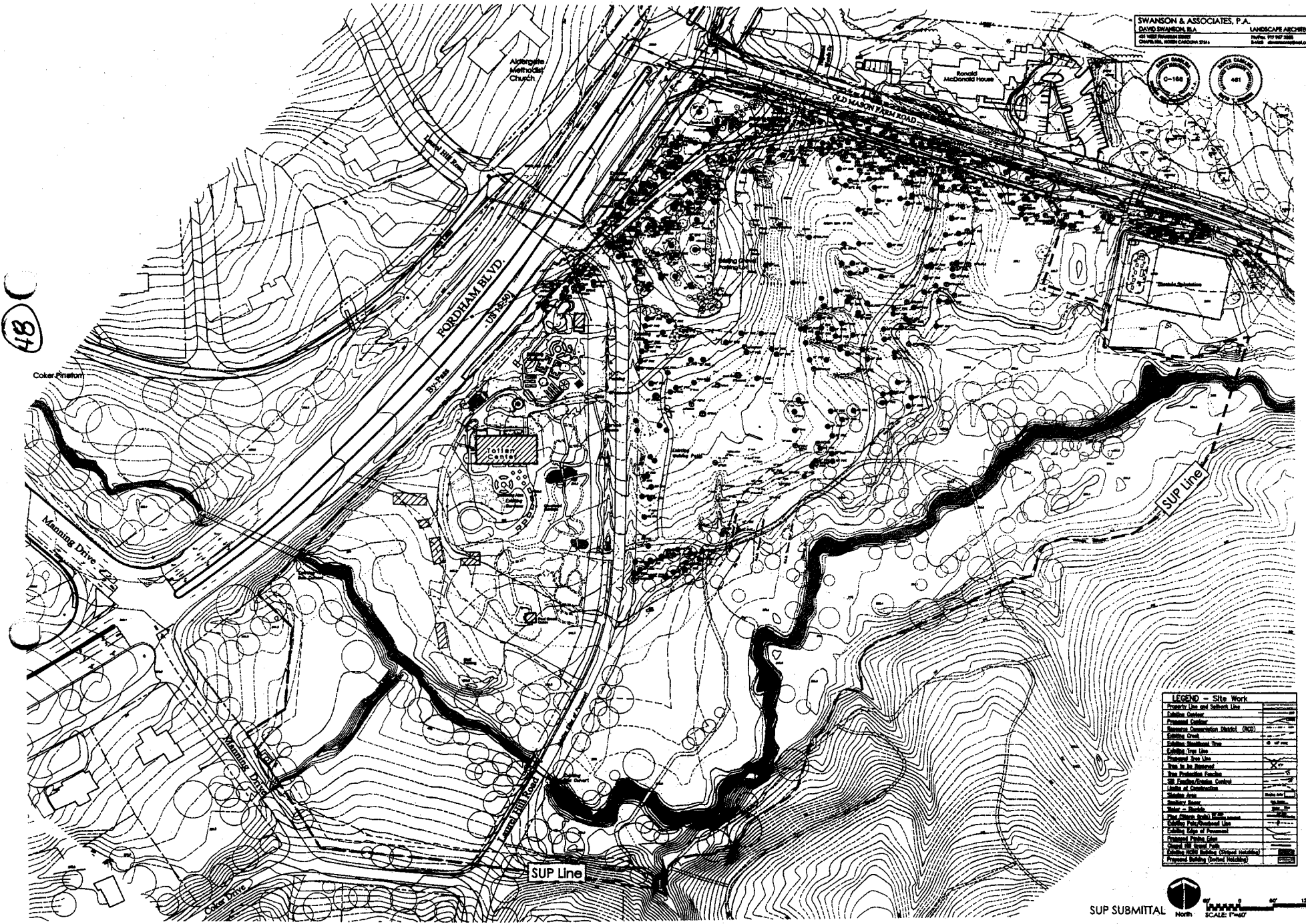
Pedestrian/Bike Path
 10 ft. wide gravel surface path
 connection to Old Mason Farm Rd
 This work will not be in scope for Specialized Site Plans
 and will be implemented under separate contract.

- INDEX of SITE and LANDSCAPE DRAWINGS**
- L-101.0 Overall Site Plan - 40' scale
 - L-102.0 Existing Conditions - 40' scale
 - L-102.1 Site Analysis - 40' scale
 - L-102.2 Site Analysis - 100' scale
 - L-102.3 Overall Site Plan - 40' scale
 - L-103.1 Overall Grading Plan - 40' scale
 - CS-103.2 Overall Site Utility Plan - 40' scale
 - L-104.0 Tree Protection Plan - 40' scale
 - L-105.0 Site Section through V.E.C. Building, Terrace, Stream

LEGEND - Site Work

Primary Use and Sub-use Line	
Existing Contour	
Proposed Contour	
Proposed Contour (Slope 5%)	
Existing Drive	
Proposed Drive	
Proposed Drive (Slope 5%)	
Proposed Site Line	
Proposed Tree Line	
Site to be Reinstated	
Site to be Reinstated (Excavation)	
Site to be Reinstated (Surface)	
Table of Materials	
Grading Area	
Water	
Water - Existing	
Water - Proposed	
Gravel Area (Existing/Proposed)	
Gravel Area of Proposed	
Proposed Use	
Proposed Use (Slope 5%)	
Proposed Use (Slope 10%)	
Proposed Use (Slope 15%)	
Proposed Use (Slope 20%)	





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 LANDSCAPE ARCHITECT
 2100 RAINBOW BLVD. SUITE 100
 CHAPEL HILL, NORTH CAROLINA 27514









48

LEGEND - Site Work

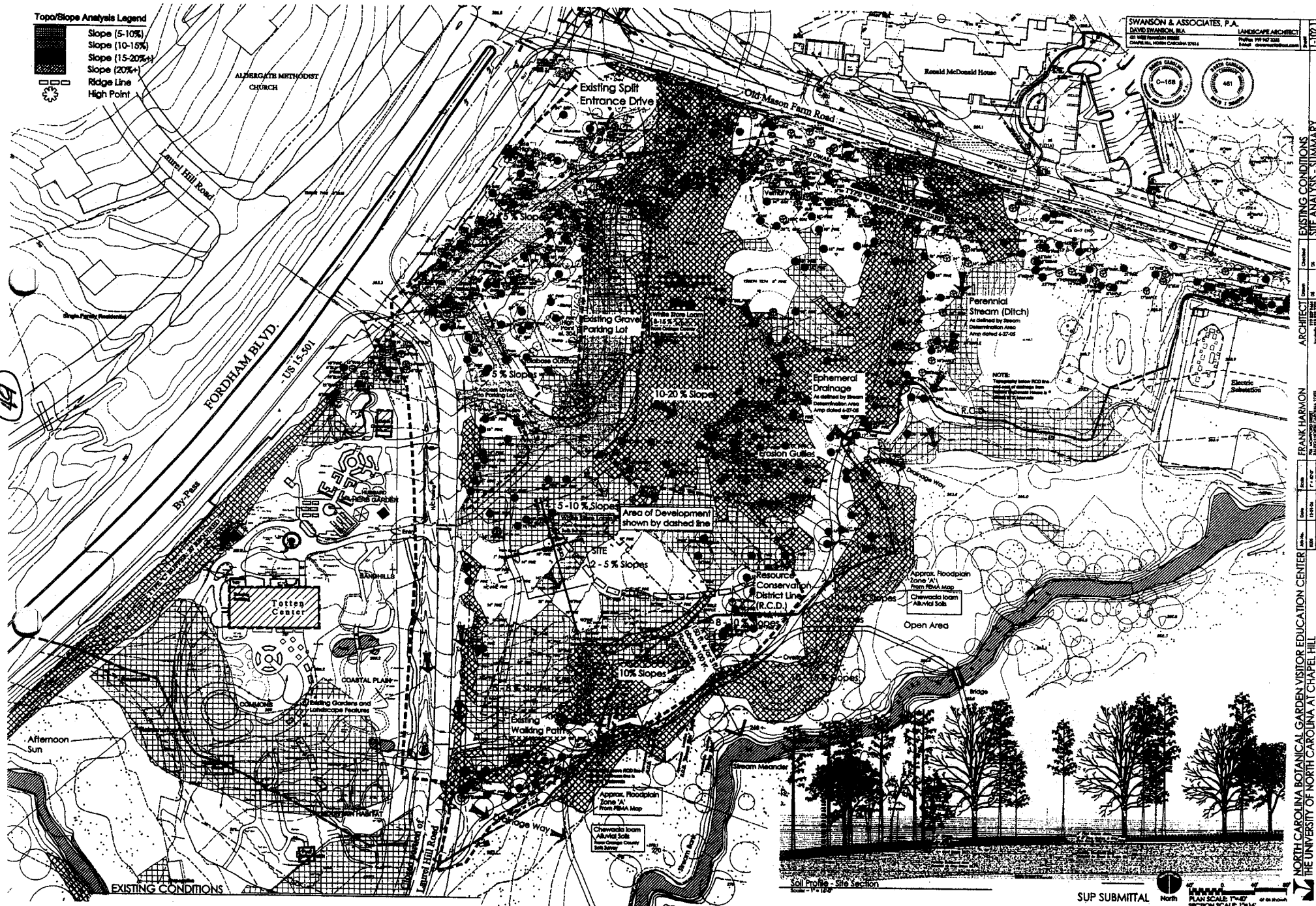
Property Line and Subpark Line	
Future Center	
Existing Center	
Existing Administration Building (ABO)	
Existing Drive	
Existing Sidewalk, Street	
Existing Tree Line	
Proposed Tree Line	
Tree to be Removed	
Tree Protected/Frozen	
All Pathways/Paved Paths	
Path of Construction	
Stemline Area	
Boundary Stone	
Marker Stake	
Tree Shrub Spacing/Planting	
Utility Pole/Overhead Line	
Utility Pole	
Existing Parking	
Proposed Parking	
Proposed Sign	
Proposed Utility (Not Shown)	
Proposed Utility (Not Shown)	
Proposed Utility (Not Shown)	

NORTH CAROLINA BOTANICAL GARDEN VISITOR EDUCATION CENTER
 THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
 ARCHITECT FRANK HARMON
 EXISTING CONDITIONS - OVERALL SITE
 SUP SUBMITTAL
 SCALE: 1"=40'

Topo/Slope Analysis Legend

-  Slope (5-10%)
-  Slope (10-15%)
-  Slope (15-20%)
-  Slope (20%+)
-  Ridge Line
-  High Point

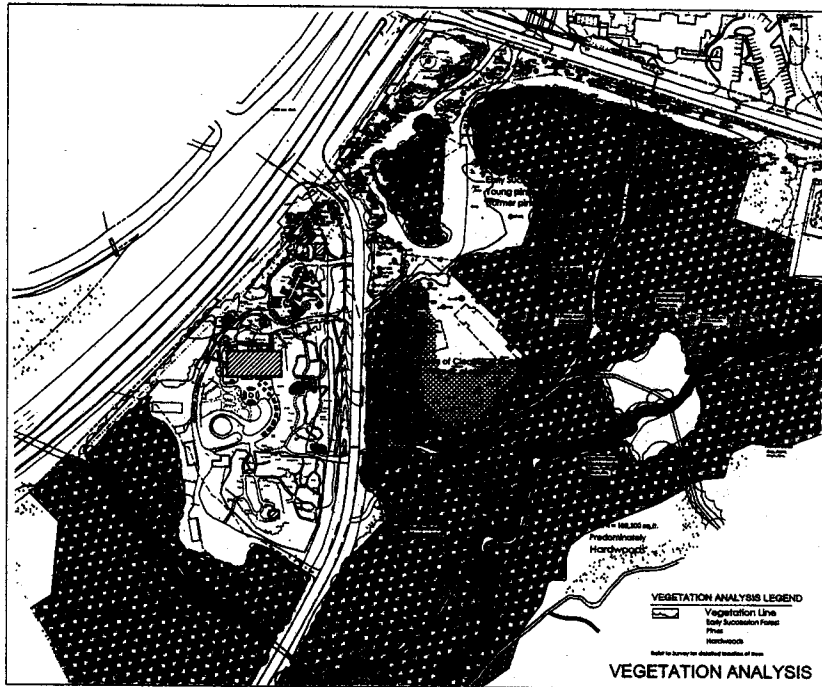
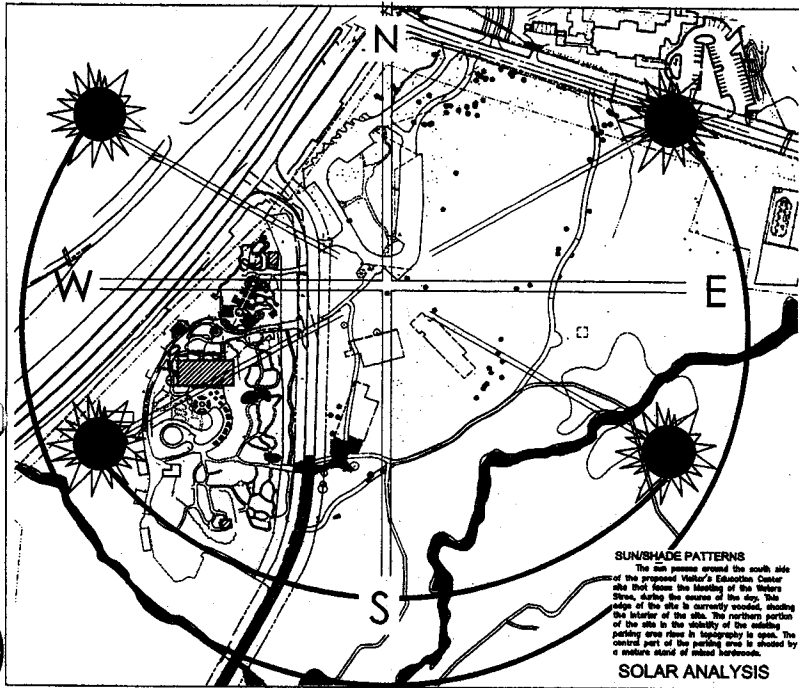
SWANSON & ASSOCIATES, P.A.
 LANDSCAPE ARCHITECT
 10101 WOODHURST DRIVE
 CHARLOTTE, NORTH CAROLINA 28215
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 Email: swanson@swansonpa.com



Soil Profile - Site Section

SUP SUBMITTAL
 North
 PLAN SCALE: 1"=40'
 SECTION SCALE: 1"=16'

NORTH CAROLINA BOTANICAL GARDEN VISITOR EDUCATION CENTER
 THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
 ARCHITECT: FRANK HARRISON
 DATE: 11/18/2014
 SHEET: 111801-0101
 PROJECT: 111801-0101



SWANSON & ASSOCIATES, P.A.
 DAVID SWANSON, P.E. LANDSCAPE ARCHITECT
 41 WEST WILSON STREET, SUITE 101 RAYNESVILLE, NORTH CAROLINA 27570
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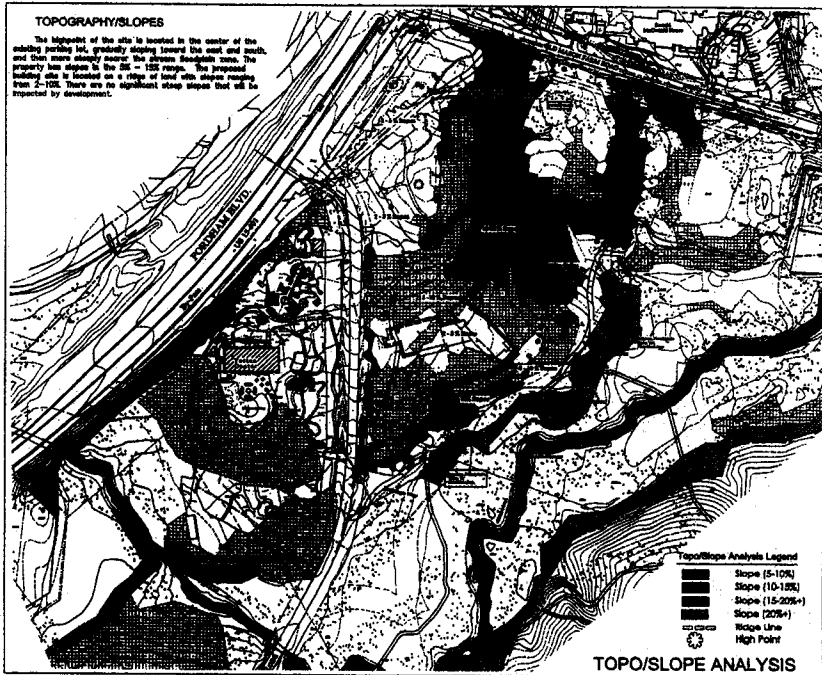
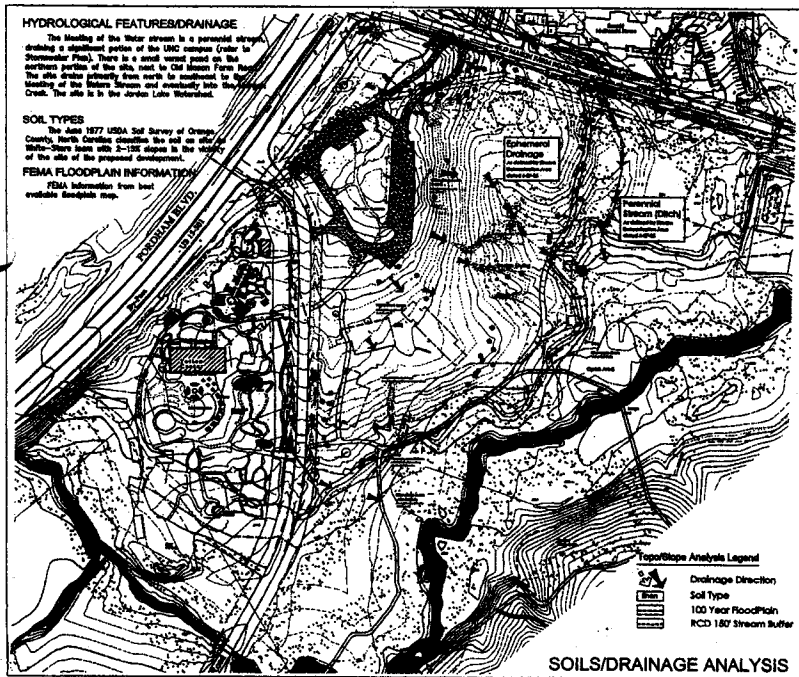
SIGNIFICANT TREE STAND ANALYSIS LEGEND

Significant Tree Stand
 Total Area of Property within SJP Boundary = 1,549,838 sq.ft. ~ (35.58 ac.)
 Total Area of Woods = 1,026,235 sq.ft. ~ (23.8 ac.) 67% of Property
 Contiguous Wooded Area greater than 100 ft. in width and 100 ft. in length
 Area 1 (Block 3rd of 4th and 1st and 2nd) = 146,500 sq.ft.
 Area 2 (Block 1st of 4th and 2nd and 3rd) = 105,700 sq.ft.
 Area 3 (Block 1st of 4th and 1st and 2nd) = 287,700 sq.ft.
 Area 4 (Block 1st of 4th and 1st and 2nd) = 186,335 sq.ft.

Areas of Significant Trees Impacted by proposed development
 Total Area = 127,972 sq.ft. 13.8% of Significant Tree Stand Area
 Predominately Pine Trees

Significant Tree Analysis
 [Symbol] Existing Significant Trees with Tree Canopy shown in opaque
 [Symbol] Existing Edge of Tree-line

Note: Area of clearing of pine trees due to Pine beetle outbreak has been approximated.

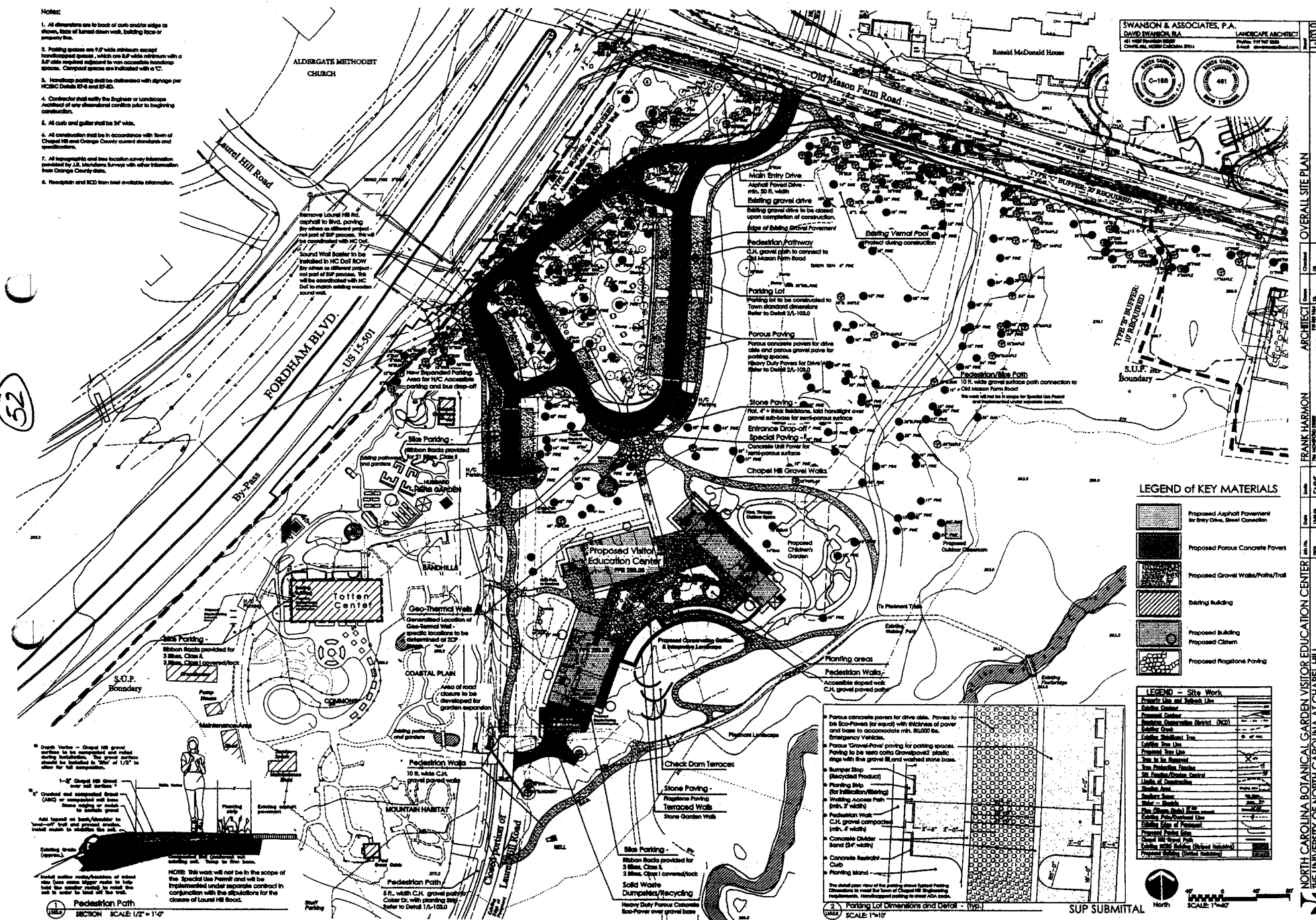


NORTH CAROLINA BOTANICAL GARDEN VISITOR EDUCATION CENTER
 THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
 ARCHITECT: FRANK HARMON
 DATE: 10/10/07
 SHEET: 1 OF 2
 EXISTING CONDITIONS
 SITE ANALYSIS

Notes:

1. All dimensions are to back of curb and/or edge to shown, face of kerled down work, building face or property line.
2. Posting spaces are 7'2" wide minimum except landscaped areas, which are 8'2" wide minimum with 3'2" alleys required adjacent to non-landscaped hardscape zones. Compact spaces are indicated with a 'C'.
3. Hardscape paving shall be delineated with storage per N.C.S.D. Details 12-4 and 12-5a.
4. Contractor shall notify the Engineer or Landscape Architect of any dimensional conflict prior to beginning construction.
5. All curb and gutter shall be 3'6" wide.
6. All construction shall be in accordance with Town of Chapel Hill and Orange County current standards and ordinances.
7. All topographic and tree location survey information provided by J.S. Matthews Survey with other information from Orange County data.
8. Roadwidth and RCD from best available information.

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 DAVID SWANSON, P.E.
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 CHAPEL HILL, NORTH CAROLINA 27514
 LANDSCAPE ARCHITECT
 FRANK HARRISON, AIA
 5701 WOLF CREEK ROAD
 CHAPEL HILL, NORTH CAROLINA 27514

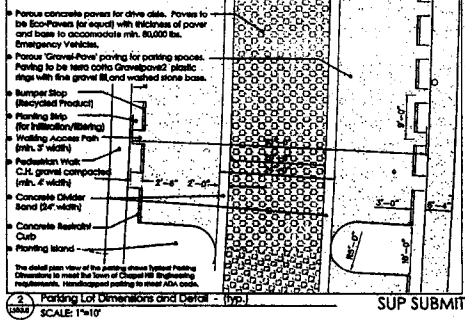


LEGEND OF KEY MATERIALS

- Proposed Asphalt Pavement for Entry Drive, Steel Connection
- Proposed Porous Concrete Pavers
- Proposed Gravel Walks/Paths/Trot
- Existing Building
- Proposed Building
- Proposed Clamnet
- Proposed Flagstone Paving

LEGEND - Site Work

	Proposed Building Footprint
	Proposed Clamnet
	Proposed Building Footprint
	Proposed Building Footprint
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	Proposed Building Footprint



NOTE: This work will not be in the scope of the Special Use Permit and will be implemented under separate contract in conjunction with the site plan for the closure of Laurel Hill Road.

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OVERALL SITE PLAN
 ARCHITECT: FRANK HARRISON
 PROJECT: NORTH CAROLINA BOTANICAL GARDEN VISITOR EDUCATION CENTER AT CHAPEL HILL

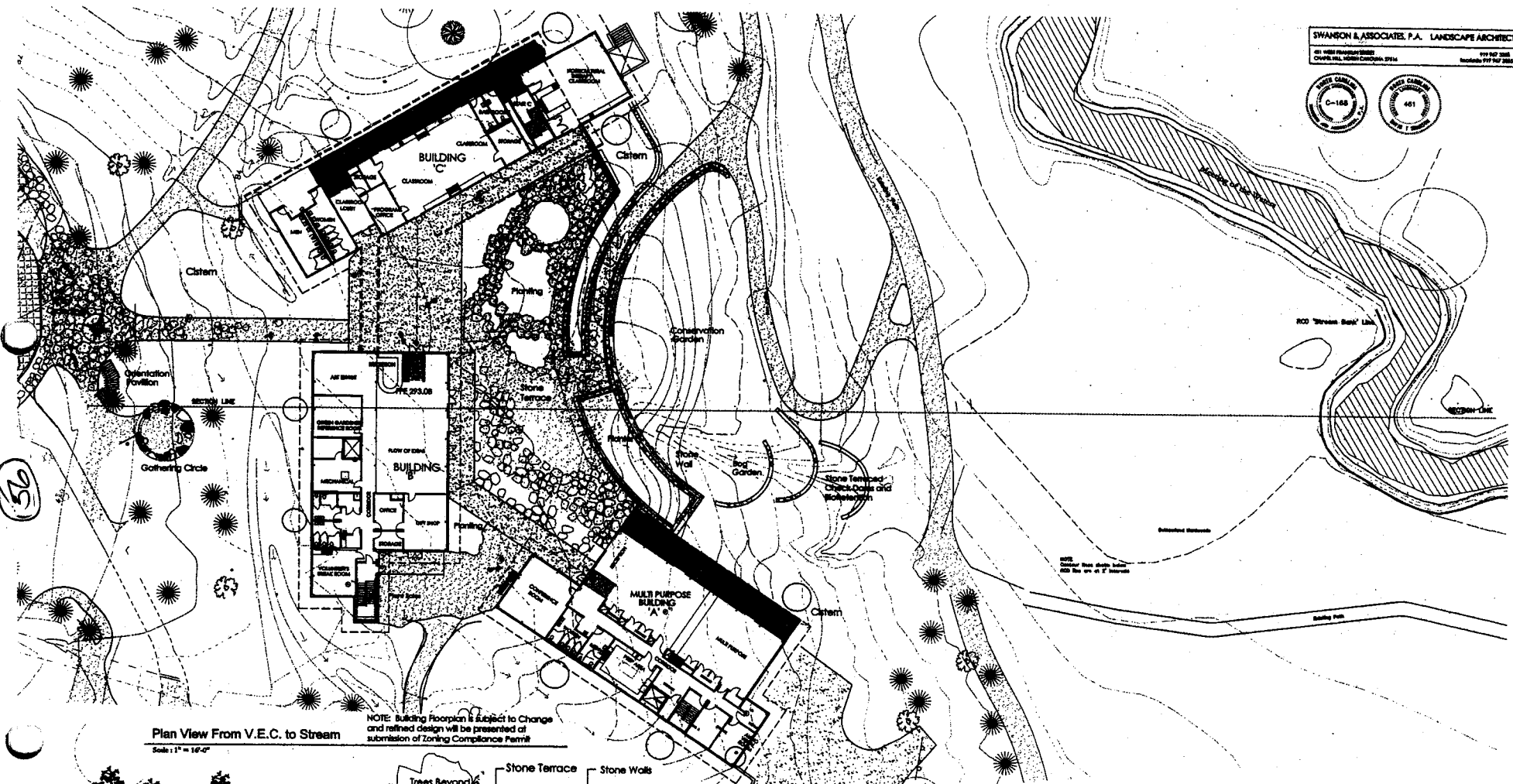
SUP SUBMITTAL

SCALE: 1"=40'

SWANSON & ASSOCIATES, P.A. LANDSCAPE ARCHITECT
 411 WEST HENRIETTA STREET
 CHARLOTTE, NORTH CAROLINA 28204
 770 922 2222
 770 922 2222

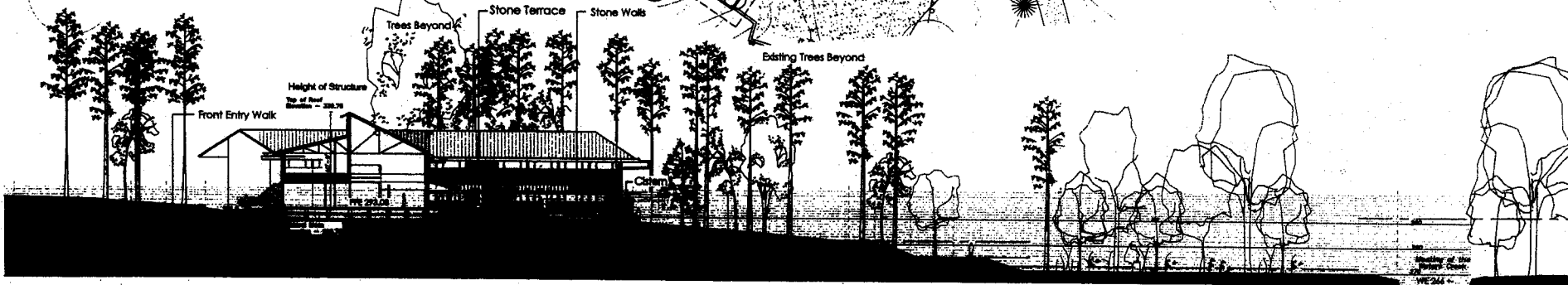


SECTION THROUGH FLOW OF LAICES BLDG. & CONSERVATION GARDEN TERRACE TO STREAM
 ARCHITECT FRANK HARMON
 NORTH CAROLINA BOTANICAL GARDEN VISITOR EDUCATION CENTER
 THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL



Plan View From V.E.C. to Stream
 Scale: 1" = 10'-0"

NOTE: Building Floorplan is subject to change and refined design will be presented at submission of Zoning Compliance Permit



Site Section View From V.E.C. to Stream
 Scale: 1" = 16'-0" or as Shown

NOTE: Building Elevations are subject to change and refined design will be presented at submission of Zoning Compliance Permit

