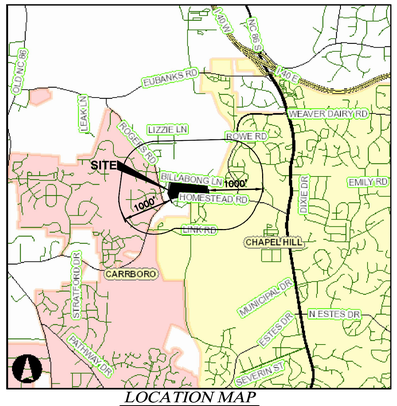
SPEECIAL USE PERMIT PLANS

MERIN ROAD COMMUNITY

PINS: 9870710609, 9870811605, & 9870822048

CHAPEL HILL, NC

2015



LOCATION MAP

SCALE: 1"=4000'

PROJECT FACT SHEET

TOWN OF CHAPEL HILL
Planning Department

Section A: Project Information

Application type: Special Use Permit Date: November 19, 2015

Project Name: Merin Road Community

Use Type: *(check/list all that apply)*

☐ Office/Institutional ☒ Residential ☐ Mixed-Use ☐ Other:

Overlay District: (check all those that apply)

☐ Historic District ☐ Neighborhood Conservation District ☐ Airport Hazard Zone

Section B: Land Area

Net Land Area (NLA): Area within zoning lot boundaries		NLA= 1,076,181	sq. ft.
Choose one, or both, of the following (a or b,) not to exceed 10% of NLA	a) Credited Street Area (total adjacent frontage) x ½ width of public right-of-way	CSA= 103,130	sq. ft.
	b) Credited Permanent Open Space (total adjacent frontage) x ½ public or dedicated open space	COS= 4,488	sq. ft.
TOTAL: NLA + CSA and/or COS = Gross Land Area (not to exceed NLA + 10%)		GLA= 1,183,799	sq. ft.

Section C: Special Protection Areas, Land Disturbance, and Impervious Area

Special Protection Areas: (*check all those that apply)*

☐ Jordan Buffer ☒ Resource Conservation District ☐ 100 Year Floodplain ☐ Watershed Protection District

Land Disturbance	Total (sq ft)
Area of Land Disturbance (Includes: Footprint of proposed activity plus work area envelope, staging area for materials, access/equipment paths, all grading, including off-site clearing)	662,100
Area of Land Disturbance within RCD	0
Area of Land Disturbance within Jordan Buffer	0

Impervious Areas	Existing (sq ft)	Demolition (sq ft)	Proposed (sq ft)	Total (sq ft)
Impervious Surface Area (ISA)	19,416	19,416	388,820	388,820
Impervious Surface Ratio: Percent Impervious Surface Area of Gross Land Area (ISA/GLA) %	1.64%	1.64%	32.8%	32.8%
If located in Watershed Protection District, % of impervious surface on 7/1/1993	N/A	N/A	N/A	N/A

Revised 02.04.14 Permit Number:_____

PROJECT FACT SHEET

TOWN OF CHAPEL HILL
Planning Department

Section D: Dimensions

Dimensional Unit (sq ft)	Existing (sq ft)	Demolition (sq ft)	Proposed (sq ft)	Total (sq ft)
Number of Buildings	(3) 7,771	(3) 7,771	6269 (640sf-TH)	6269 (640sf-TH)
Number of Floors	2-1 & 1-1.5	2-1 & 1-1.5	2-3	2-3
Recreational Space	0	0	34,528	34,258

Residential Space				
Dimensional Unit (sq ft)	Existing (sq ft)	Demolition (sq ft)	Proposed (sq ft)	Total (sq ft)
Floor Area (all floors – heated and unheated)	5,531	5,351	n/a	n/a
Total Square Footage of All Units	4,553	4,553	n/a	n/a
Total Square Footage of Affordable Units	0	0	11,520	11,520
Total Residential Density	0.11 units/ac	0.11 units/ac	2.61 units/ac	2.61 units/ac
Number of Dwelling Units	3	3	70	70
Number of Affordable Dwelling Units	0	0	9	9
Number of Single Bedroom Units	3	3	0	0
Number of Two Bedroom Units	0	0	·5	5
Number of Three Bedroom Units	0	0	19	19
Number of Four Bedroom Units	0	0	47	47

Non-Residential Space *(Gross Floor Area in Square Feet)*					
Use Type	Existing	Proposed	Uses	Existing	Proposed
Commercial					
Restaurant			# of Seats		
Government					
Institutional					
Medical					
Office					
Hotel			# of Rooms		
Industrial					
Place of Worship			# of Seats		
Other					

Project Perimeter Dimensional Requirements (does not apply to interior lots)		Required by Ordinance	Existing	Proposed
Setbacks (minimum)	Street	28'	n/a	0' (1)
	Interior (neighboring property lines)	14'	n/a	0' (1)
	Solar (northern property line)	17'	n/a	0' (1)
Height (maximum)	Primary	29'	n/a	n/a
	Secondary	40'	n/a	n/a'
Streets	Frontages	64'	varies	55' (2)
	Widths	80'	varies	54' r/w (3)

(1)Front & Rear = 0', Side = 0' (for side yards 12-ft separation to be maintained between buildings)
(2)R/w frontage less than 55' are Lots 6 & 7 = 30', Lot 14 = 48', Lots 17 & 18 = 46', & Lot 47 = 32'
(3)Western loop road & eastern cul-de-sac street propose r/w less than 54', see Section F below.

Revised 02.04.14 Permit Number:_____

PROJECT FACT SHEET

TOWN OF CHAPEL HILL
Planning Department

Section F: Adjoining or Connecting Streets and Sidewalks

(Note: For approval of proposed street names, contact the Engineering Department)

Street Name	Right-of-way Width	Pavement Width	Number of Lanes	Existing Sidewalk*	Existing curb/gutter
Homestead Road (SR 1127)	80'	27'	2	☒Yes	☐Yes
Merin Road (SR 2251)	50'	18'	2	☒Yes	☐Yes
Billabong Lane (SR 2252)	60'	18'	2	no	no

List Proposed Points of Access (Ex: Number, Street Name):

*If existing sidewalks do not exist and the applicant is adding sidewalks, please provide the following information:

Sidewalk Information			
Street Names	Dimensions	Surface	Handicapped Ramps
Local Public Streets - (1,721 lf +/-) Local Public Streets - (338 lf +/-)	27' b/b 54' r/W 27' b/b 35' r/W	Asphalt	☒Yes ☐No ☐N/A
Local Public Streets - (144 lf +/-)	27' b/b 41' r/W	Asphalt	☒Yes ☐No ☐N/A
Local Public Streets - (593 lf +/-)	27' b/b 49.5' r/W	Asphalt	x No

Section G: Parking Information

Parking Spaces	Minimum	Maximum	Proposed
Regular Spaces	13	18	18
Handicap Spaces	0	0	0
Total Spaces	13	18	18
Loading Spaces	0	0	0
Bicycle Spaces	3	n/a	13
Surface Type	Asphalt		

Section H: Landscape Buffers

Location (North, South, Street, Etc.)	Minimum Width	Proposed Width	Alternate Buffer	Modify Buffer
Homestead Road (1)	20'	20'	☐Yes	☐Yes
Merin Road (2)	15'	20'	☐Yes	☐Yes
Billabong Ln. Residences (1) (3)	10'	15' & 30'	☐Yes	☐Yes
Southeast	10'	10'	☐Yes	☐Yes

(1) Per Section 5.6.6 of the LUMO
(2) Buffer increased in good faith per discussions with The Episcopal Church of the Advocate
(3) Buffer increased in good faith per discussions with Miller & Ferreiro families

Revised 02.04.14 Permit Number:_____

PROJECT FACT SHEET

TOWN OF CHAPEL HILL
Planning Department

Section I: Land Use Intensity

Existing Zoning District:
Proposed Zoning Change *(if any)*:

Note: Refer to Table 3.8-1 (Dimensional Matrix) in the Land Use Management Ordinance for help completing this table.

Zoning – Area – Ratio			Impervious Surface Thresholds			Minimum and Maximum Limitations	
Zoning District(s)	Floor Area Ratio (FAR)	Recreation Space Ratio (RSR)	Low Density Residential (0.24)	High Density Residential (0.50)	Non-Residential (0.70)	Maximum Floor Area (MFA) = FAR x GLA	Minimum Recreation Space (MSR) = RSR x GLA
R-1 & R-1A	n/a	0.025	n/a	0.50	n/a	n/a	29,595 sf
TOTAL							
RCD Streamside		0.01					
RCD Managed		0.019					
RCD Upland							

Section J: Utility Service

Check all that apply

Water	☒ OWASA	☐ Individual Well	☐ Community Well	☐ Other
Sewer	☒ OWASA	☐ Individual Septic Tank	☐ Community Package Plant	☐ Other
Electrical	☒ Underground	☐ Above Ground		
Telephone	☒ Underground	☐ Above Ground		
Solid Waste	☒ Town	☐ Private		

Revised 02.04.14 Permit Number:_____

NCDOT REQUIREMENTS:

THE PERMITTEE SHALL BE RESPONSIBLE FOR THE INSTALLATION AND RELOCATION OF ANY ADDITIONAL HIGHWAY SIGNS THAT MAY BE NECESSARY DUE TO THESE IMPROVEMENTS AND SHALL COMPLY WITH THE REQUIREMENTS OF THE MUTCD.

ALL PAVEMENT MARKINGS SHALL BE LONG LIFE THERMOPLASTIC. PAVEMENT MARKERS SHALL BE INSTALLED IF THEY PREVIOUSLY EXISTING ON THE ROADWAY.

INTERSECTION RADII AND GEOMETRY SHALL BE DESIGNED TO ACCOMMODATE TURNING MOVEMENTS OF THE LARGEST ANTICIPATED VEHICLE PER NCDOT DESIGN REQUIREMENTS.

THE APPLICANT SHALL DEDICATE ANY ADDITIONAL RIGHT OF WAY NECESSARY TO ACCOMMODATE THE REQUIRED ROAD IMPROVEMENTS OR FUTURE IMPROVEMENTS AS STIPULATED.

IT IS NECESSARY TO OBTAIN AN APPROVED DRIVEWAY PERMIT AND/OR ENCROACHMENT AGREEMENT(S) PRIOR TO PERFORMING WORK ON THE NCDOT RIGHT OF WAY. AS A CONDITION OF THE PERMIT, THE PERMITTEE SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE ABOVE STIPULATED IMPROVEMENTS IN ACCORDANCE WITH NCDOT REQUIREMENTS. AN APPROVED PERMIT WILL BE ISSUED UPON RECEIPT OF APPROVED ROADWAY AND SIGNAL CONSTRUCTION PLANS, INSPECTION FEE, AND ANY NECESSARY PERFORMANCE AND INDEMNITY BONDS.

THE CONSTRUCTION OF BIKE LANES, SIDEWALK, BUSS PULL OFFS, LIGHTING, LANDSCAPING, ETC. ON STATE MAINTAINED ROUTES ARE SUBJECT TO NCDOT DESIGN AND ENCROACHMENT REQUIREMENTS.

CONSTRUCT REQUIRED TRAFFIC SIGNAL MODIFICATIONS AT THE INTERSECTION OF HOMESTEAD ROAD AND SEAWELL SCHOOL ROAD TO ACCOMMODATE THE REVISED INTERSECTION GEOMETRY.

CONSTRUCT THE PROPOSED SITE ACCESS AT THE INTERSECTION OF HOMESTEAD ROAD AND SEAWELL SCHOOL ROAD WITH A SINGLE INGRESS LANE AND TWO EGRESS LANES CONSISTING OF A FULL COMBINATION THROUGH–RIGHT TURN LANE AND AN EXCLUSIVE LEFT TURN LANE WITH A MINIMUM OF 100' OF FULL STORAGE AND APPROPRIATE BAY AND TRANSITION TAPERS.

CONSTRUCT AT THE INTERSECTION OF HOMESTEAD ROAD AND SEAWELL SCHOOL ROAD AN EXCLUSIVE WESTBOUND RIGHT TURN LANE WITH 100' OF FULL STORAGE AND APPROPRIATE DECELERATION TAPER ON HOMESTEAD ROAD.

AS A CONDITION OF THE PENDING DRIVEWAY PERMIT, THE APPLICANT IS REQUIRED TO CONSTRUCT THE FOLLOWING IMPROVEMENTS TO MITIGATE THE ANTICIPATED SITE IMPACTS:
CONSTRUCT AT INTERSECTION OF HOMESTEAD ROAD AND SEAWELL SCHOOL ROAD/SITE ACCESS AN EXCLUSIVE EASTBOUND LEFT TURN LANE WITH A MINIMUM OF 275' OF FULL STORAGE AND APPROPRIATE BAY AND TRANSITION TAPERS ON HOMESTEAD ROAD.

MODIFY EXISTING NORTHBOUND SEAWELL SCHOOL ROAD LANE GEOMETRY TO PROVIDE A COMBINATION THROUGH–RIGHT TURN LANE AND EXCLUSIVE LEFT TURN LANE.

SPECIAL USE PERMIT CONDITIONS OF APPROVAL:

PRIOR TO THE 2ND CERTIFICATE OF OCCUPANCY PROVIDE FOR A STANDARD VEHICLE TRAVEL LANE AND CONSTRUCT 5 FEET WIDE BICYCLE LANE WITH A SHOULDER AND DITCH CROSS–SECTION, PLUS A 5 FEET WIDE CONCRETE SIDEWALK BEHIND THE DITCH ALONG THE HOMESTEAD ROAD PROPERTY FRONTAGE AND DEDICATED ADDITIONAL PUBLIC RIGHT–OF–WAY TO POINT ONE FOOT BEHIND THE SIDEWALK

PRIOR TO THE 2ND CERTIFICATE OF OCCUPANCY CONSTRUCT TO NCDOT STANDARD AN EASTBOUND LEFT TURN LANE ON HOMESTEAD ROAD TO PROVIDE FOR LEFT TURNS FROM HOMESTEAD ROAD INTO THE DEVELOPMENT.

PRIOR TO THE 2ND CERTIFICATE OF OCCUPANCY CONSTRUCT TO NCDOT STANDARD A WESTBOUND RIGHT TURN LANE ON HOMESTEAD ROAD TO PROVIDE FOR RIGHT TURNS FROM HOMESTEAD ROAD INTO THE DEVELOPMENT.

AT THE PROPOSED STREET CONNECTION TO HOMESTEAD ROAD PROVIDE A PROVIDE ONE 11 FEET TRAVEL LANE FOR INGRESS, AND TWO 11 FEET WIDE TRAVEL LANES FOR EGRESS WITH A LEFT TURN LANE AND A THROUGH–RIGHT COMBINATION.

CONSTRUCT THE PROPOSED INTERNAL STREETS TO TOWN STANDARD 27 FEET WIDE CROSS–SECTION FROM BACK OF CURB TO BACK OF CURB WITH STANDARD CURB AND GUTTER, 5 FEET WIDE SIDEWALKS ON BOTH SIDES AND DEDICATION OF RIGHT–OF–WAY TO A POINT ONE FOOT BEHIND THE BACK OF SIDEWALK OR 8 FEET BEHIND THE CURB WHERE SIDEWALK IS NOT PROVIDED. SIDEWALK IS NOT REQUIRED ON THE INSIDE OF THE LOOP IDENTIFIED AS OPEN SPACE NOR ON BOTH SIDES OF THE EASTERN MOST CUL–DE–SAC.

PRIOR TO A CERTIFICATE OF OCCUPANCY FOR THE TOWNHOMES CONSTRUCT THE PROPOSED PARKING LOT TO TOWN STANDARD FOR DIMENSIONS OF PAVEMENT DESIGN.

PRIOR TO THE 2ND CERTIFICATE OF OCCUPANCY IMPROVE MERIN ROAD ALONG THE PROPERTY FRONTAGE TO PROVIDE A SHOULDER AND DITCH SECTION TO NCDOT STANDARD, AND CONSTRUCT A 5 FEET WIDE CONCRETE SIDEWALK, OR PROVIDE A PAYMENT IN LIEU OF SIDEWALK CONSTRUCTION. DEDICATE PUBLIC RIGHT–OF–WAY TO A POINT ONE FOOT BEHIND THE BACK OF SIDEWALK.

PRIOR TO A ZONING COMPLIANCE PERMIT SUBMIT A PAVEMENT MARKING AND SIGN PLAN FOR APPROVAL BY THE TOWN MANAGER.

PRIOR TO A ZONING COMPLIANCE PERMIT PROVIDE A $2,000 PAYMENT IN LIEU FOR TRAFFIC SIGNAL TIMING ADJUSTMENTS.

PRIOR TO A ZONING COMPLIANCE PERMIT SUBMIT FOR A FIRE FLOW REPORT SEALED BY PROFESSIONAL ENGINEER LICENSED IN NORTH CAROLINA. THE REPORT MUST BE BASED ON AN ORANGE WATER AND SEWER AUTHORITY FLOW TEST CONDUCTED WITHIN A YEAR.

PRIOR TO A ZONING COMPLIANCE PERMIT SUBMIT AN EROSION CONTROL BOND.

PRIOR TO WORK IN THE PUBLIC RIGHT–OF–WAY IT WILL BE NECESSARY TO SUBMIT A PERFORMANCE BOND TO THE TOWN TO COVER 125% OF THE COST OF THE PROPOSED ROADWAY IMPROVEMENTS.

OWNERS

BURCH FAMILY PROPERTIES LLC
5502 CRAIG ROAD
DURHAM, NC 27712

HOMESTREAD GROUP LLC
PO BOX 2334
CHAPEL HILL, NC 27515

JAMES THOMAS LOVE, JR
3150 LAUREL RIDGE ROAD
HICKORY, NC 28601

ENGINEER/SURVEYOR

ADVANCED CIVIL DESIGN, INC.
51 KILMAYNE DRIVE, SUITE 105
CARY, NC 27511
PHONE (919) 481–6290
FAX (919) 336–5127

LANDSCAPE ARCHITECT

MULLIS DESIGN GROUP, PLLC
133 KEYBRIDGE DRIVE, SUITE E
MORRISVILLE, NC 27560
PHONE (941) 400–1624

DEVELOPER

CAPKOV VENTURES, INC.
202 E WINMORE AVE.
CHAPEL HILL, NC 27516–8430
PHONE: 919.942.8005

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9H LANDSCAPE NOTES & PLANT LIST
10 UTILITY PLAN
11 GRADING & EROSION CONTROL PLAN
12 ARCHITECTURAL ELEVATIONS

PLAN PREPARED BY:
ADVANCED CIVIL DESIGN ENGINEERS SURVEYORS
51 Kilmayne Drive, Suite 105
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PLAN PREPARED FOR:
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HOMESTEAD ROAD, CHAPEL HILL, NC – ORANGE COUNTY

MERIN ROAD COMMUNITY

SPECIAL USE PERMIT PLANS
FOR
CAPKOV VENTURES, INC.

COVER SHEET

NORTH CAROLINA PROFESSIONAL SEAL ENGINEER CAMERON M. RICE
PRELIMINARY
11/11/2015

Issue Dates:
06/29/2015 – Initial Submittal
09/11/2015 – Response to 1st Review Comments
11/11/2015 – Removed Merin Rd Access

Date: 11/11/2015
Scale: AS NOTED

Drawn By:	Checked By:
CMR	JDW

Project Number: 14–0001–651

Drawing Number: 1 / 12

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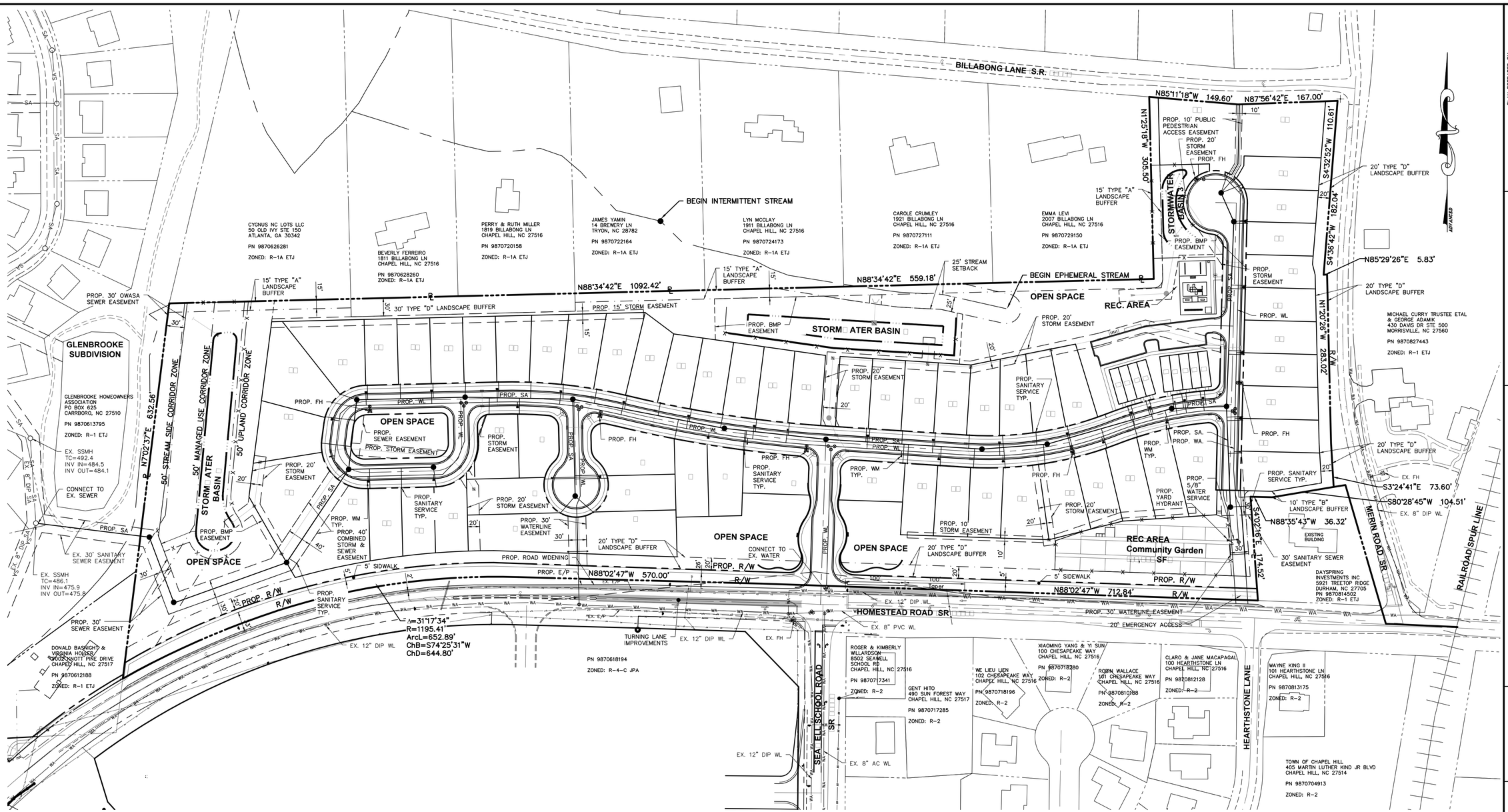

MINIMUM REQUIRED FIRE FLOW	
SINGLE FAMILY (< 3,600 SF)	1,000 GAL/MIN
MULTI-FAMILY	1,750 GAL/MIN

LEGEND

- PROPOSED STORM SEWER
- PROPOSED SANITARY
- PROPOSED WATERLINE
- EXISTING UTILITY POLE
- ST — EXISTING STORM SEWER
- SA — EXISTING SANITARY SEWER MAIN
- WA — EXISTING WATERLINE

GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)
1 inch = 80 ft.

PLAN PREPARED BY:
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PLAN PREPARED FOR:
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HOMESTEAD ROAD, CHAPEL HILL, NC – ORANGE COUNTY

MERIN ROAD COMMUNITY
SPECIAL USE PERMIT PLANS
FOR
CAPKOV VENTURES, INC.
UTILITY PLAN

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 024324 CAMERON M. RICE
PRELIMINARY
11/11/2015

Issue Dates:
06/29/2015 – Initial Submittal
09/11/2015 – Response to 1st Review Comments
11/11/2015 – Removed Merin Rd Access

Date: 11/11/2015
Scale: 1" = 80'

Drawn By:	Checked By:
CMR	JDW

Project Number:
14–0001–651

Drawing Number:
10 / 12

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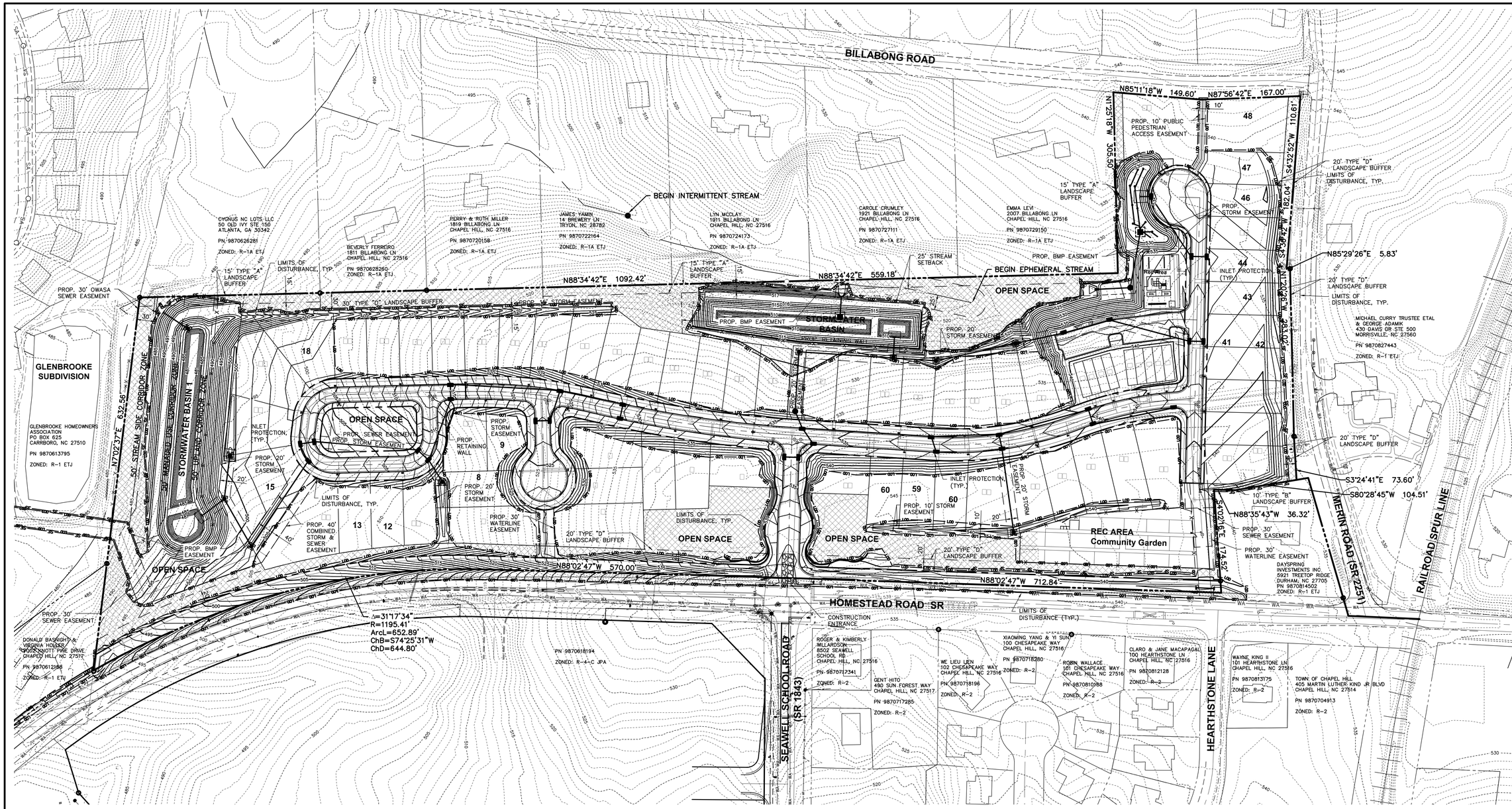

NOTE:

BMPS TO BE UTILIZED AS SEDIMENTATION CONTROL DEVICES DURING GRADING OPERATIONS.

TOTAL DISTURBED AREA = 15.2 AC.

EXISTING IMPERVIOUS SURFACES

BUILDINGS	= 7,771 SF
DRIVEWAYS	= 11,645 SF
TOTAL	= 19,416 SF

PROPOSED IMPERVIOUS SURFACES

BUILDINGS & WALLS	= 194,530 SF
DRIVEWAYS	= 59,520 SF
ROADWAY & PARKING	= 99,944 SF
SIDEWALK	= 34,826 SF
TOTAL	= 388,820 SF

LEGEND

- 916 — EXISTING CONTOUR – 1'
- 915 — EXISTING CONTOUR – 5'
- ST — EXISTING STORM SEWER
- SA — EXISTING SANITARY SEWER
- WA — EXISTING WATER LINE
- 916 — PROPOSED CONTOUR – 1'
- 915 — PROPOSED CONTOUR – 5'
- SF — PROPOSED SILT FENCE
- SURFACE FLOW ARROW
- LOD — LIMITS OF DISTURBANCE
- INLET PROTECTION
- DIVERSION DITCH
- TREE SAVE AREA
- CONSTRUCTION ENTRANCE

GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)
1 inch = 80 ft.

PLAN PREPARED BY:
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HOMESTEAD ROAD, CHAPEL HILL, NC – ORANGE COUNTY

MERIN ROAD COMMUNITY
SPECIAL USE PERMIT PLANS
FOR
CAPKOV VENTURES, INC.
GRADING □ EROSION CONTROL PLAN

NORTH CAROLINA PROFESSIONAL SEAL 024 ENGINEER CAMERON M RICE
PRELIMINARY
11/11/2015

Issue Dates:
06/29/2015 – Initial Submittal
09/11/2015 – Response to 1st Review Comments
11/11/2015 – Removed Merin Rd Access

Date: 11/11/2015
Scale: 1"=80'

Drawn By:	Checked By:
CMR	JDW

Project Number: 14–0001–651

Drawing Number: 11 / 12

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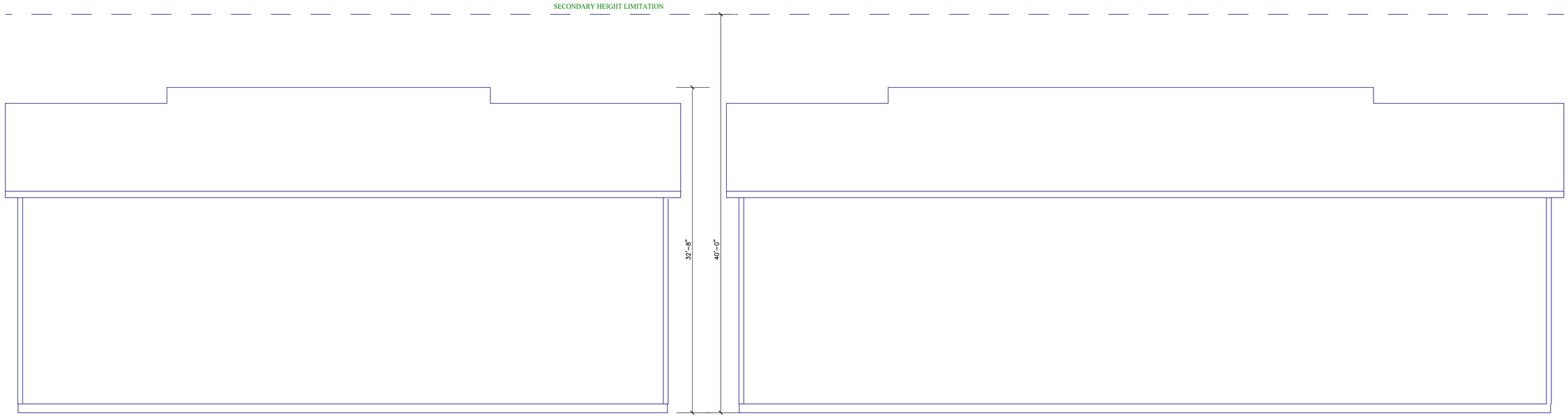
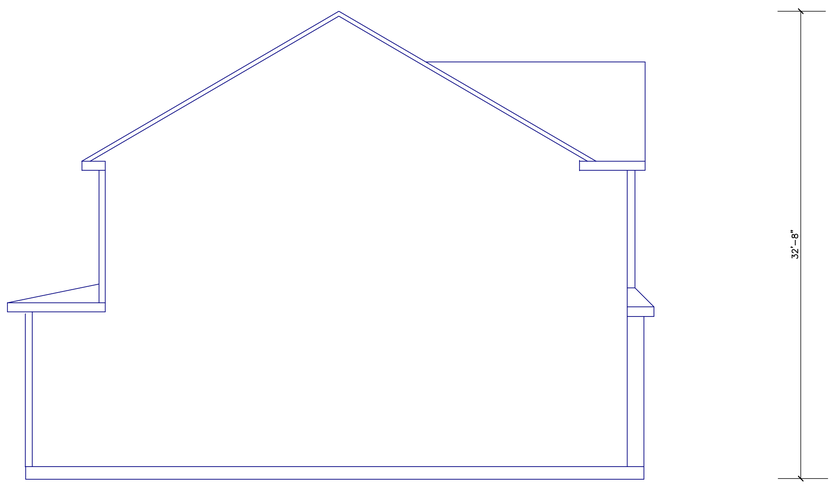


□UNIT TO□ NHOME □FRONT ELEVATION

SCALE: 1" = 10'

□UNIT TO□ NHOME □FRONT ELEVATION

SCALE: 1" = 10'



TO□ NHOME □SIDE ELEVATION

SCALE: 1" = 10'

PLAN PREPARED BY:

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HOMESTEAD ROAD, CHAPEL HILL, NC - ORANGE COUNTY

MERIN ROAD COMMUNITY

SPECIAL USE PERMIT PLANS
FOR
CAPKOV VENTURES, INC.

ARCHITECTURAL ELEVATIONS

Issue Dates:
06/29/2015 - Initial Submittal
09/11/2015 - Response to 1st Review Comments
11/11/2015 - Removed Merin Rd Access

Date: 11/11/2015
Scale: AS NOTED

Drawn By:	Checked By:
CMR	JDW

Project Number:
14-0001-651

Drawing Number:
12 / 12

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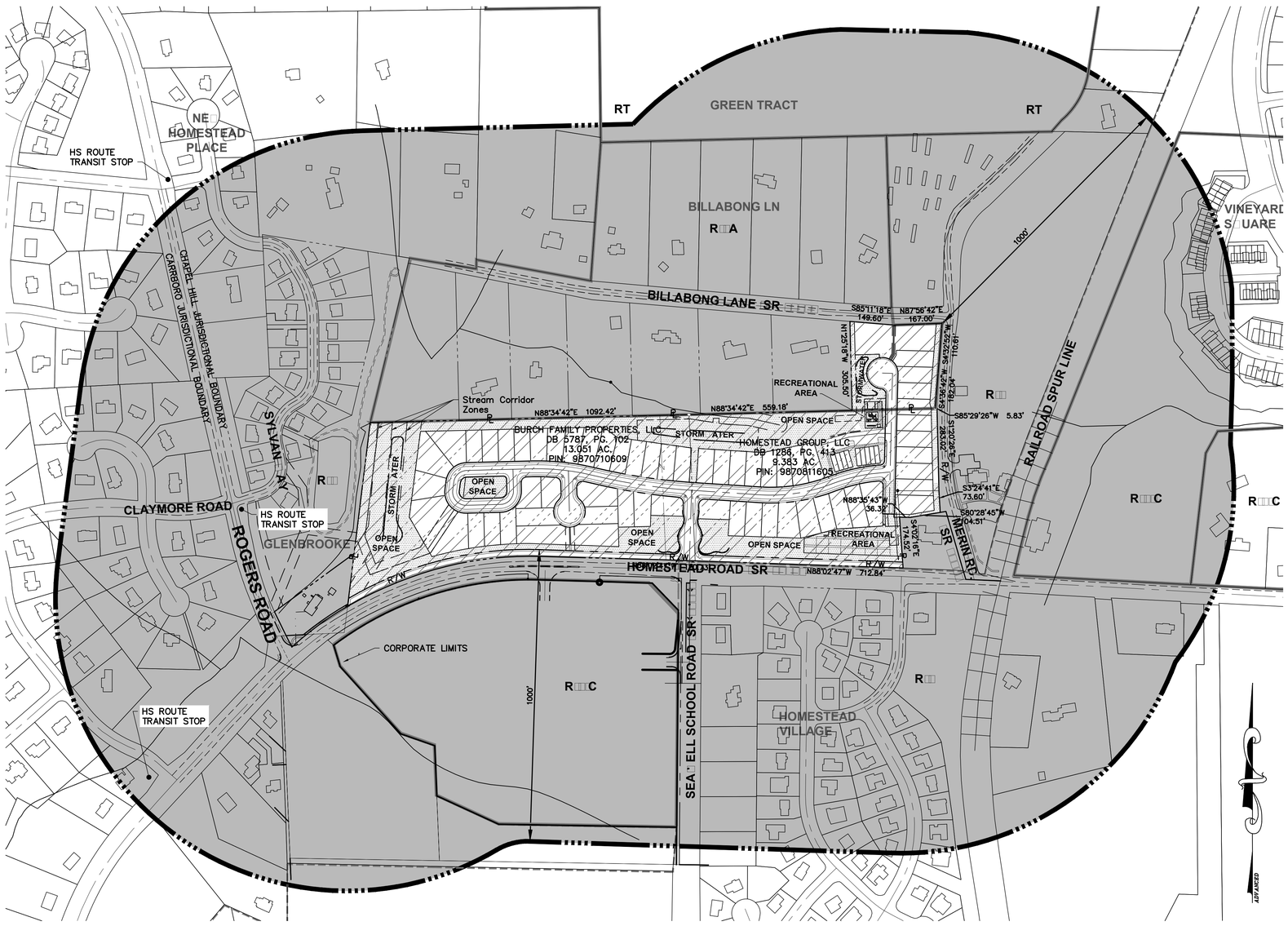
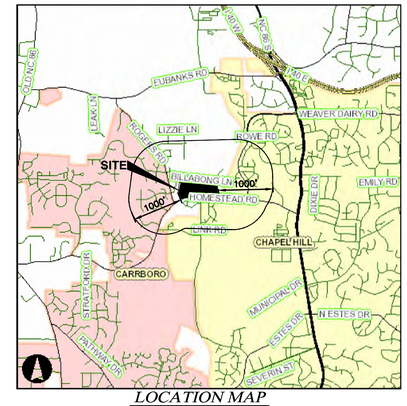


AREA MAP
SCALE 1" = 200'



LOCATION MAP
SCALE: 1"=4000'

SITE DATA TABLE

PROJECT NAME:	MERIN ROAD COMMUNITY
APPLICANT:	ADVANCED CIVIL DESIGN, INC. 51 KILMAYNE DRIVE, SUITE 105 CARY, NC 27511
PARCEL ID NUMBERS:	9870710609, 9870811605, & 9870822048
LAND AREA CALCULATIONS	
NET LAND AREA:	24.706 ACRES
CREDITED STREET AREA:	1.775 ACRES (1/2 HOMESTEAD R/W)
CREDITED STREET AREA:	0.368 ACRES (1/2 MERRIN RD R/W)
CREDITED STREET AREA:	0.225 ACRES (1/2 BILLABONG LN R/W)
CREDITED PERMANENT OPEN SPACE:	0.103 ACRES (GLENBROOKE SUBDIVISION)
TOTAL GROSS LAND AREA (GLA):	27.177 ACRES (USED FOR DENSITY CALCULATION)
CURRENT ZONING:	R-1 & R-1A
OUTSIDE CORPORATE LIMITS:	YES (ANNEXATION REQUIRED)
OUTSIDE WATERSHED PROTECTION DISTRICT:	YES
OUTSIDE FLOODPLAIN:	YES
OVERLAY DISTRICTS:	NONE
EXISTING LAND USE:	SINGLE FAMILY
PROPOSED LAND USE:	R-1 WITH SPECIAL USE PERMIT
ALLOWABLE DENSITY R-1A:	2 UNITS/AC GROSS LAND AREA = 2.821 AC # UNITS ALLOWED = 5.6
ALLOWABLE DENSITY R-1:	3 UNITS/AC GROSS LAND AREA = 24.356 AC # UNITS ALLOWED = 73.1
TOTAL ALLOWABLE DENSITY:	78 (R-1 & R-1A)
PROPOSED SINGLE FAMILY UNITS:	62
PROPOSED AFFORDABLE UNITS:	9
PROPOSED TOTAL # OF UNITS:	71
PROPOSED MINIMUM LOT SIZE:	6,000 SF
RECREATION SPACE REQUIRED:	29,595 SF (2.5%)
RECREATION SPACE PROVIDED:	34,258 SF
PROPOSED LOT SETBACKS:	
FRONT SETBACK:	0'
SIDE SETBACK:	0'
SIDE CORNER SETBACK:	0'
REAR SETBACK:	0'
PROPOSED BUILDING SEPARATION:	12'

LEGEND

- CHAPEL HILL CORPORATE LIMITS
- ZONING BOUNDARY
- 1000' NOTIFICATION LINE
- PROPERTY'S WITHIN NOTIFICATION AREA
- PROPOSED SITE
- OPEN SPACE

GRAPHIC SCALE
200 0 100 200 400 800
(IN FEET)
1 inch = 200 ft.

PLAN PREPARED BY:
ADVANCED CIVIL DESIGN
ENGINEERS SURVEYORS
51 Kilmayne Drive, Suite 105
Cary, North Carolina 27511
ph 919.481.6290
fax 919.336.5127

PLAN PREPARED FOR:
CAPKOV VENTURES, INC.
202 E WINMORE AVE.
CHAPEL HILL, NC 27516-8430
PHONE: 919.942.8005

HOMESTEAD ROAD, CHAPEL HILL, NC – ORANGE COUNTY
MERIN ROAD COMMUNITY
SPECIAL USE PERMIT PLANS
FOR
CAPKOV VENTURES, INC.
AREA MAP

NORTH CAROLINA PROFESSIONAL SEAL 042 ENGINEER CAMERON M. RICE
PRELIMINARY

Issue Dates:	
06/29/2015 – Initial Submittal	
09/11/2015 – Response to 1st Review Comments	
11/11/2015 – Removed Merin Rd Access	

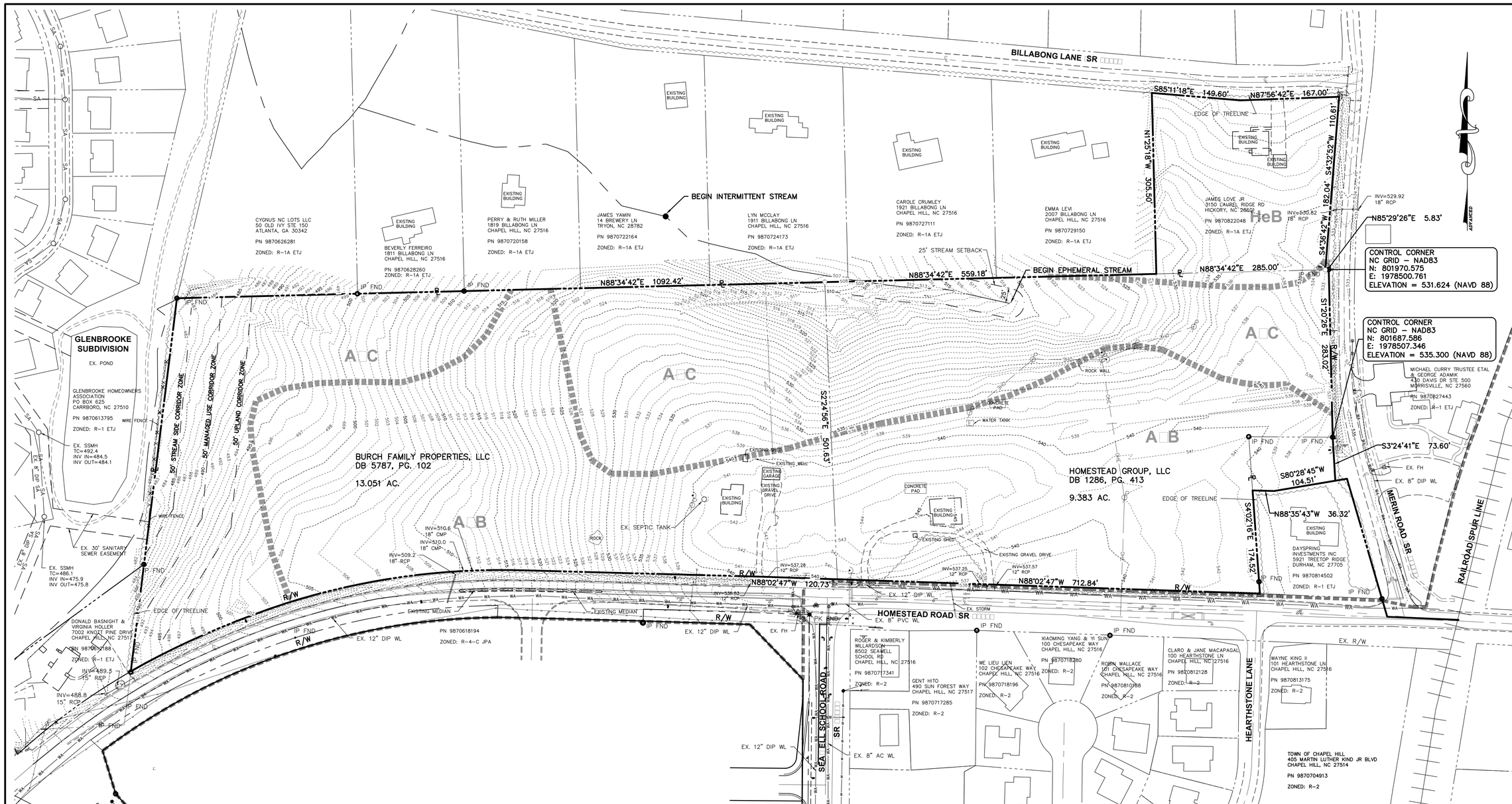
Date: 11/11/2015
Scale: AS NOTED

Drawn By:	Checked By:
CMR	JDW

Project Number: 14–0001–651

Drawing Number: 2 / 12

O:\14-0001-651NC\DWG\Production Drawings\SPECIAL USE PERMIT\14-0001-651-SUP02.dwg AREA MAP Nov 23, 2015 – 1:23:16pm crice



SITE DESCRIPTION & ANALYSIS

THE ENTIRE SITE IS HEAVILY WOODED A PROPOSED SITE AREA OF 24.7 ACRES.

THE SOUTHERN PORTION OF THE SITE INCLUDES TWO EXISTING HOUSES WITH ASSOCIATED GRAVEL DRIVES AND IS BOUNDED BY APPROXIMATELY 1,940 FEET OF FRONTAGE ALONG HOMESTEAD ROAD TO THE SOUTH.

THE WESTERN PORTION OF THE SITE IS BOUNDED TO THE WEST BY GLENBROOKE SUBDIVISION AND A SINGLE FAMILY LOT.

THE NORTHERN PORTION OF THE SITE HAS SOME STEEP AREAS AND IS BOUNDED BY ONE VACANT LOT, SIX SINGLE FAMILY RESIDENTIAL LOTS, AND BILLABONG LANE NEAR THE NORTHEASTERN PORTION OF THE SITE. THERE IS AN EXISTING HOUSE AND ASSOCIATED DRIVE ON THE NORTHEAST PORTION OF THE SITE THAT PROVIDES ACCESS TO BILLABONG LANE.

THE EASTERN PORTION OF THE SITE HAS APPROXIMATELY 650 FEET OF FRONTAGE ALONG MERIN ROAD AND ALSO SHARES A BORDER WITH A SINGLE FAMILY RESIDENTIAL LOT NEAR THE SOUTHEAST CORNER OF THE SITE.

THE WESTERN HALF OF THE SITE DRAINS FROM THE EAST TO THE WEST TO AN EXISTING BMP IN THE GLENBROOKE SUBDIVISION. THE REST OF THE SITE PRIMARILY DRAINS FROM TO THE NORTH TO AN OFFSITE INTERMITTENT STREAM.

CONSTRUCTION WASTE STANDARD NOTES

ALL EXISTING STRUCTURES 500 SQUARE FEET AND LARGER IN SIZE SHALL BE ASSESSED PRIOR TO DEMOLITION TO ENSURE COMPLIANCE WITH THE COUNTY'S REGULATED RECYCLABLE MATERIALS ORDINANCE (RRMO) AND TO ASSESS THE POTENTIAL FOR DE-CONSTRUCTION AND/OR THE RE-USE OF SALVAGEABLE MATERIALS.

BY ORANGE COUNTY ORDINANCE, CLEAN WOOD WASTE, SCRAP METAL, AND CORRUGATED CARDBOARD PRESENT IN CONSTRUCTION OR DEMOLITION WASTE MUST BE RECYCLED.

BY ORANGE COUNTY ORDINANCE, ALL HAULERS OF MIXED CONSTRUCTION AND DEMOLITION WASTE THAT INCLUDES ANY REGULATED RECYCLABLE MATERIALS SHALL BE LICENSED BY ORANGE COUNTY.

PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITY ON THE SITE THE APPLICANT SHALL HOLD A PRE-DEMOLITION/PRE-CONSTRUCTION CONFERENCE WITH THE SOLID WASTE STAFF. THIS MAY BE THE SAME PRE-CONSTRUCTION MEETING HELD WITH OTHER DEVELOPMENT/ENFORCEMENT OFFICIALS.

THE PRESENCE OF ANY ASBESTOS CONTAINING MATERIALS ("ACM") AND/OR OTHER HAZARDOUS MATERIALS IN CONSTRUCTION AND DEMOLITION WASTE SHALL BE HANDLED IN ACCORDANCE WITH ANY AND ALL LOCAL, STATE, AND FEDERAL REGULATIONS AND GUIDELINES.

LEGEND

- Concrete Post
- Tacked Hub / Trav Pt
- Post Sign / Lamp
- Sign
- Billboard / OH Sign
- Deciduous Tree
- Pine Tree
- Shrub
- Sanitary Manhole
- Cleanout Access
- Storm Manhole
- Catch Basin
- Curb Inlet W / Grate
- Gas Valve
- Overhead Telephone
- Overhead Electric
- Electric Manhole
- Electric Transformer
- Comm Manhole
- Tel Pedestal
- Pole Elec
- Pole Elec Tel
- Pole Elec Tel Light
- Pole Tel
- Pole Tel Light
- Pole Light
- Pole Signal
- Traffic Box
- Guy Pole
- Guy Wire
- Ex. Property Boundary
- ℄ of Road
- Gas Meter
- Underground Line Marker
- Sprinkler Valve Box
- Misc. Manhole
- Iron Pipe Found
- Iron Rod Found
- PK Nail Found
- RR Spike Found
- Fence Post Found
- Stone Found
- Conc. Monument Found
- Monument Box Found
- Fire Hydrant
- Water Valve
- Mailbox
- Monitoring Well
- Iron Pin Set
- PK Nail Set
- RR Spike Set

Iron pins set are 3/4" diameter iron pipe, 30" long and capped Advanced 7661.

- Fence
- [ ] Denotes Record Call
- Ex. Soil Type Boundary
- ℄ of Stream
- Ex. Edge of Pavement

EXISTING IMPERVIOUS SURFACES

BUILDINGS	= 7,771	SF
DRIVEWAYS	= 11,645	SF
TOTAL	= 19,416	SF

FLOOD NOTE

By graphic plotting only this property is located in Zone X (areas determined to be outside of the 0.2% annual chance floodplain) by the Federal Emergency Management Agency on Flood Insurance Rate Map, Community Panel No. 3710987000J, with an effective date of 02/02/2007, in Orange County, North Carolina. No field surveying was performed to determine this zone

GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)
1 inch = 80 ft.

GENERAL NOTES

1) Areas calculated by coordinate geometry.
2) All distances are horizontal ground distances.
3) Basis of Bearing NC GRID 1983 Horizontal Datum & Vertical Datum NAD-88.
4) Boundary information shown hereon was prepared from an actual field survey and from existing records as referenced hereon.
5) Dimensions on this plat are e expressed in feet and decimal parts thereof unless otherwise noted. Monuments were found at points where indicated.
6) Survey was performed without the benefit of a title search. Property is subject to all facts disclosed by a full and accurate title report.
7) Currently, there is no direct bus service to the site. The closest transit facility is a 20 minute walk according to Mila Vega.
8) See Landscape Protection Plans (Sheets 8A–8D) for existing individual trees labeled with size and name.

STATEMENT OF ENCROACHMENTS

None Apparent

REFERENCES:

D.B. 1286, Pg. 413
D.B. 5787, Pg. 102

PLAN PREPARED BY:
ADVANCED CIVIL DESIGN ENGINEERS SURVEYORS
51 Kilmayne Drive, Suite 105
Cary, North Carolina 27511
ph 919.481.6290
fax 919.336.5127

PLAN PREPARED FOR:
CAPKOV VENTURES, INC.
202 E WINMORE AVE.
CHAPEL HILL, NC 27516-8430
PHONE: 919.942.8005

HOMESTEAD ROAD, CHAPEL HILL, NC – ORANGE COUNTY

MERIN ROAD COMMUNITY
SPECIAL USE PERMIT PLANS
FOR
CAPKOV VENTURES, INC.
EXISTING CONDITIONS PLAN

NORTH CAROLINA PROFESSIONAL SEAL 024224 ENGINEER CAMERON M. RICE
PRELIMINARY
11/11/2015

Issue Dates:
06/29/2015 – Initial Submittal
09/11/2015 – Response to 1st Review Comments
11/11/2015 – Removed Merin Rd Access

Date: 11/11/2015
Scale: 1" = 80'

Drawn By: CMR
Checked By: JDW

Project Number: 14–0001–651

Drawing Number: 3A / 12

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LEGEND

- Concrete Post
- Tacked Hub / Trav Pt
- Post Sign / Lamp
- Sign
- Billboard / OH Sign
- Deciduous Tree
- Pine Tree
- Shrub
- Sanitary Manhole
- Cleanout Access
- Storm Manhole
- Catch Basin
- Curb Inlet W / Grate
- Gas Valve
- Electric Manhole
- Electric Transformer
- Comm Manhole
- Tel Pedestal
- Pole Elec
- Pole Elec Tel
- Pole Elec Tel Light
- Pole Tel
- Pole Tel Light
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- Pole Signal
- Traffic Box
- Guy Pole
- Guy Wire
- Gas Meter
- Underground Line Marker
- Sprinkler Valve Box
- Misc. Manhole
- Iron Pipe Found
- Iron Rod Found
- PK Nail Found
- RR Spike Found
- Fence Post Found
- Stone Found
- Conc. Monument Found
- Monument Box Found
- Fire Hydrant
- Water Valve
- Mailbox
- Monitoring Well
- Iron Pin Set
- PK Nail Set
- RR Spike Set

Iron pins set are 3/4" diameter iron pipe, 30" long and capped Advanced 7661.

- Overhead Telephone
- Overhead Electric
- Ex. Property Boundary
- ℄ of Road
- Fence
- [ ] Denotes Record Call
- Ex. Soil Type Boundary
- ℄ of Stream
- Ex. Edge of Pavement

SLOPE HATCH LEGEND

SLOPES 0% TO 9.9%
DISTURBED SLOPE AREA = 476,858 SF
TOTAL SLOPE AREA = 913,542 SF
PERCENTAGE OF DISTURBED SLOPE AREA = 52.2%

SLOPES 10% TO 14.9%
DISTURBED SLOPE AREA = 69,731 SF
TOTAL SLOPE AREA = 123,555 SF
PERCENTAGE OF DISTURBED SLOPE AREA = 56.4%

SLOPES 15% TO 24.9%
DISTURBED SLOPE AREA = 19,159 SF
TOTAL SLOPE AREA = 32,039 SF
PERCENTAGE OF DISTURBED SLOPE AREA = 59.8%

SLOPES 25% OR GREATER
DISTURBED SLOPE AREA = 5,018 SF
TOTAL SLOPE AREA = 7,045 SF
PERCENTAGE OF DISTURBED SLOPE AREA = 71.2%

GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)
1 inch = 80 ft.

PLAN PREPARED BY:
ADVANCED CIVIL DESIGN ENGINEERS SURVEYORS
51 Kilmayne Drive, Suite 105
Cary, North Carolina 27511
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fax 919.336.5127

PLAN PREPARED FOR:
CAPKOV VENTURES, INC.
202 E WINMORE AVE.
CHAPEL HILL, NC 27516-8430
PHONE: 919.942.8005

HOMESTEAD ROAD, CHAPEL HILL, NC – ORANGE COUNTY

MERIN ROAD COMMUNITY
SPECIAL USE PERMIT PLANS
FOR
CAPKOV VENTURES, INC.
SLOPE ANALYSIS PLAN

NORTH CAROLINA PROFESSIONAL SEAL ENGINEER CAMERON M. RICE
PRELIMINARY
11/11/2015

Issue Dates:	
06/29/2015	Initial Submittal
09/11/2015	Response to 1st Review Comments
11/11/2015	Removed Merin Rd Access

Date: 11/11/2015
Scale: 1" = 80'

Drawn By:	Checked By:
CMR	JDW

Project Number: 14–0001–651

Drawing Number: 3B / 12

O:\14-0001-651NC\DWG\Production Drawings\SPECIAL USE PERMIT\14-0001-651-SUP03B.dwg SLOPE ANALYSIS PLAN Nov 23, 2015 – 1:27:38pm crice

BILLABONG LANE (S.R. 2252)

EXISTING BUILDING

BEGIN INTERMITTENT STREAM

PROP. 30' OWASA SEWER EASEMENT

GLENBROOKE SUBDIVISION

EXISTING POND

50' STREAM SIDE CORRIDOR ZONE

50' MANAGED USE CORRIDOR ZONE

50' UPLAND CORRIDOR ZONE

STORMWATER BASIN 1

PROP. BMP EASEMENT

OPEN SPACE

30' INTERNAL TYPE "B" LANDSCAPE BUFFER

15' INTERNAL TYPE "A" LANDSCAPE BUFFER

PROP. FENCE

STORMWATER BASIN 2

PROP. RETAINING WALL

OPEN SPACE

RECYCLING & TRASH CONTAINERS (18 TOTAL)

5' WIDE PLANTING SCREEN AROUND CONTAINERS

PROP. 20' STORM EASEMENT

PROP. SEWER EASEMENT

PROP. STORM EASEMENT

EXISTING 30' SANITARY SEWER EASEMENT

PROP. ROAD WIDENING

30' STANDARD CURB & GUTTER, TYP.

PROP. ENTRY FEATURE

PROP. PEDESTRIAN SIGNAL HEAD

450' SIGHT DISTANCE

385' SIGHT DISTANCE

20' EXTERNAL TYPE "C" LANDSCAPE BUFFER (PER SECT. 5.6.6 OF THE LUMO)

REC AREA

Community Garden

5' SIDEWALK

PROP. R/W

EX. E/P

TURNING LANE IMPROVEMENTS

PROP. 5' BIKE LANE

PROP. 30' WATERLINE EASEMENT

20' EMERGENCY ACCESS

HOMESTEAD ROAD (SR 1777)

SLAVELL SCHOOL ROAD (SR 1843)

HEARTHSTONE LANE

MERIN ROAD (SR 225)

RAIL ROAD SPUR LINE

EXISTING PARKING LOT

CORPORATE LIMITS

ROGERS ROAD

DONALD BASNIGHT & VIRGINIA HOLLER
7002 KNOTT PINE DRIVE
CHAPEL HILL, NC 27517

PN 9870612188

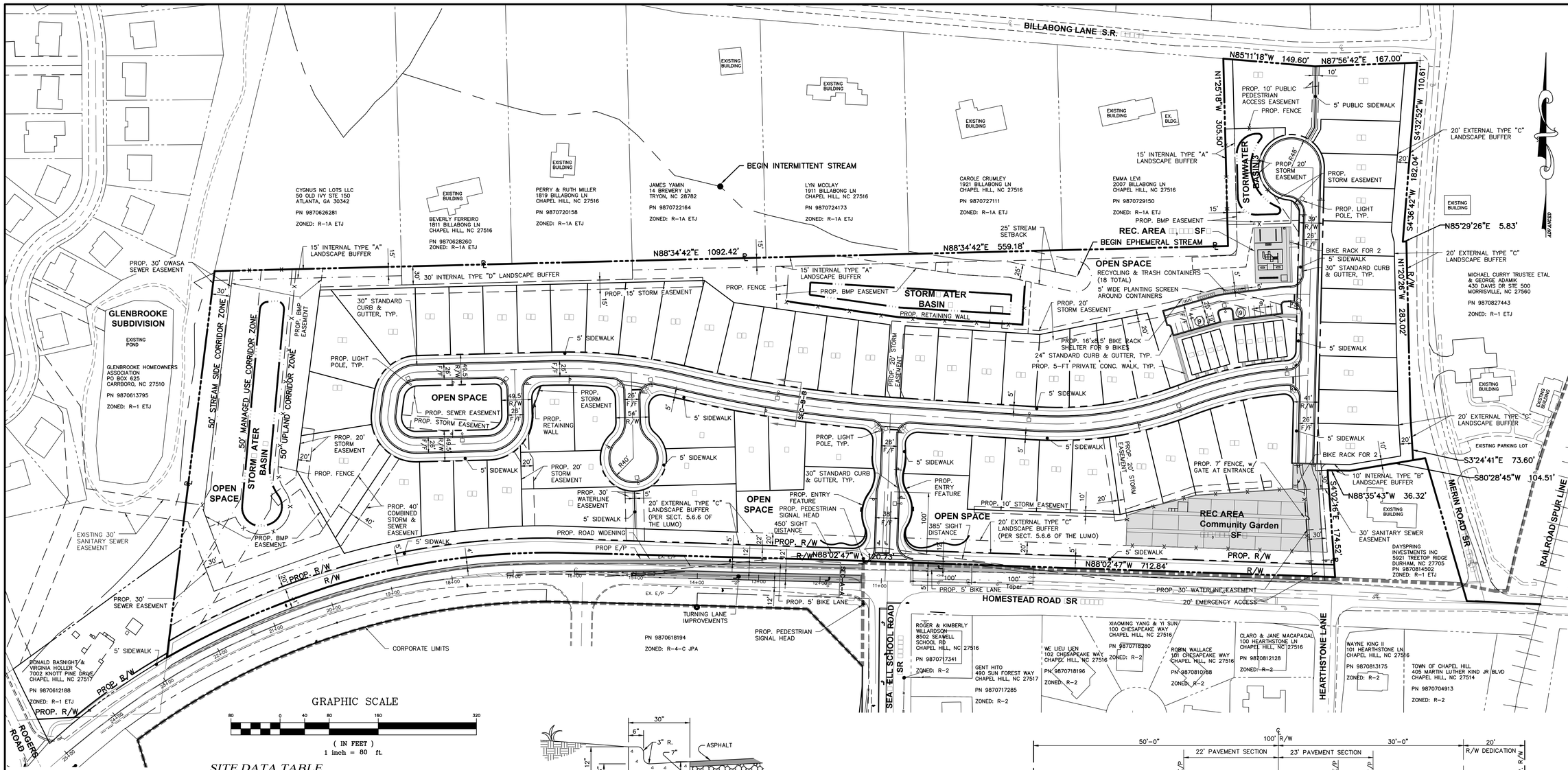
ZONED: R-1 ETJ

GRAPHIC SCALE

(IN FEET)
1 inch = 80 ft.

PROJ

APPL



SITE DATA TABLE

PROJECT NAME:	MERIN ROAD COMMUNITY
APPLICANT:	ADVANCED CIVIL DESIGN, INC. 51 KILMAYNE DRIVE, SUITE 105 CARY, NC 27511
PARCEL ID NUMBERS:	9870710609, 9870811605, & 9870822048
LAND AREA CALCULATIONS	
NET LAND AREA:	24.706 ACRES
CREDITED STREET AREA:	1.775 ACRES (1/2 HOMESTEAD R/W)
CREDITED STREET AREA:	0.368 ACRES (1/2 MERRIN RD R/W)
CREDITED STREET AREA:	0.225 ACRES (1/2 BILLABONG LN R/W)
CREDITED PERMANENT OPEN SPACE:	0.103 ACRES (GLENBROOKE SUBDIVISION)
TOTAL GROSS LAND AREA (GLA):	27.177 ACRES (USED FOR DENSITY CALCULATION)
CURRENT ZONING:	R-1 & R-1A
OUTSIDE CORPORATE LIMITS:	YES (ANNEXATION REQUIRED)
OUTSIDE WATERSHED PROTECTION DISTRICT:	YES
OUTSIDE FLOODPLAIN:	YES
OVERLAY DISTRICTS:	NONE
EXISTING LAND USE:	SINGLE FAMILY
PROPOSED LAND USE:	R-1 WITH SPECIAL USE PERMIT
ALLOWABLE DENSITY R-1A:	2 UNITS/AC GROSS LAND AREA = 2.821 AC # UNITS ALLOWED = 5.6
ALLOWABLE DENSITY R-1:	3 UNITS/AC GROSS LAND AREA = 24.356 AC # UNITS ALLOWED = 73.1
TOTAL ALLOWABLE DENSITY:	78 (R-1 & R-1A)
PROPOSED SINGLE FAMILY UNITS:	62
PROPOSED AFFORDABLE UNITS:	9
PROPOSED TOTAL # OF UNITS:	71
PROPOSED MINIMUM LOT SIZE:	6,000 SF
RECREATION SPACE REQUIRED:	29,595 SF (2.5%)
RECREATION SPACE PROVIDED:	34,258 SF

PROPOSED LOT SETBACKS:	
FRONT SETBACK:	0'
SIDE SETBACK:	0'
SIDE CORNER SETBACK:	0'
REAR SETBACK:	0'
PROPOSED BUILDING SEPARATION:	12'
VEHICULAR PARKING REQUIRED:	5 – 2 BDRM UNITS 4 – 3 BDRM UNITS MIN. = 1.25 SPACES/# OF 2 BDRM UNITS MAX. = 1.75 SPACES/# OF 2 BDRM UNITS MIN. = 1.50 SPACES/# OF 3 BDRM UNITS MAX. = 2.25 SPACES/# OF 3 BDRM UNITS MIN. REQUIRED: 13 SPACES MAX. REQUIRED: 18 SPACES
VEHICULAR PARKING PROVIDED:	18 SPACES
BICYCLE PARKING REQUIRED:	1 SPACE/ 4 DWELLING UNITS = 3 SPACES
BICYCLE PARKING PROVIDED:	13 SPACES

LEGEND

- 30" Curb and Gutter
- Property Line
- Prop. R/W
- Prop Detention Basin
- Setback
- Homestead Rd. Improvements

REQUIREMENTS

INTERNAL SETBACKS .....0 FT

GENERAL NOTES

A DESCRIPTION AND ANALYSIS OF ADJACENT LAND USES, ROADS, TOPOGRAPHY, SOILS, DRAINAGE PATTERNS, ENVIRONMENTAL CONSTRAINTS, FEATURES, EXISTING VEGETATION, AND VISTAS CAN BE FOUND ON SHEET 3 – EXISTING CONDITIONS PLAN.

ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

THE REQUIRED RECREATION SPACE HAS BEEN MET AND EXCEEDED. SEE SITE DATA TABLE ON THIS SHEET.

ALL TRASH FOR SINGLE FAMILY LOTS WILL BE COLLECTED BY ROLL-OUT CURBSIDE PICK UP. TRASH RECEPTACLES AND A COMMUNITY RECYCLYING RECEPTACLE HAS BEEN PROPOSED ON THE NORTH SIDE OF THE TOWN HOMES. PARKING SHOWN FOR THE TOWNHOME LOTS ARE 90 DEGREE BAYS AND SPACE MARKINGS PER TOWN OF CHAPEL HILL CODE FOR PARKING LOTS.

CURRENTLY, THERE IS NO DIRECT BUS SERVICE TO THE SITE. THE CLOSEST TRANSIT FACILITY IS A 20 MINUTE WALK ACCORDING TO MILA VEGA.

THE DEVELOPER SHALL PROVIDE A $2,000 PAYMENT IN LIEU FOR TRAFFIC SIGNAL TIMING ADJUSTMENTS PRIOR TO A ZONING COMPLIANCE PERMIT.

RECREATION SPACE

THE REQUIRED RECREATION SPACE (0.68 ACRES) HAS BEEN PROVIDED BY THE COMMUNITY GARDEN (0.86 ACRES) AND THE RECREATION AREA (0.12 ACRES).

CONSTRUCTION WASTE STANDARD NOTES

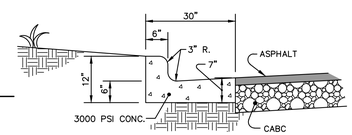
ALL EXISTING STRUCTURES 500 SQUARE FEET AND LARGER IN SIZE SHALL BE ASSESSED PRIOR TO DEMOLITION TO ENSURE COMPLIANCE WITH THE COUNTY'S REGULATED RECYCLABLE MATERIALS ORDINANCE (RRMO) AND TO ASSESS THE POTENTIAL FOR DE-CONSTRUCTION AND/OR THE RE-USE OF SALVAGEABLE MATERIALS.

BY ORANGE COUNTY ORDINANCE, CLEAN WOOD WASTE, SCRAP METAL, AND CORRUGATED CARDBOARD PRESENT IN CONSTRUCTION OR DEMOLITION WASTE MUST BE RECYCLED.

BY ORANGE COUNTY ORDINANCE, ALL HAULERS OF MIXED CONSTRUCTION AND DEMOLITION WASTE THAT INCLUDES ANY REGULATED RECYCLABLE MATERIALS SHALL BE LICENSED BY ORANGE COUNTY.

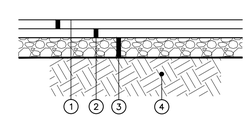
PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITY ON THE SITE THE APPLICANT SHALL HOLD A PRE-DEMOLITION/PRE-CONSTRUCTION CONFERENCE WITH THE SOLID WASTE STAFF. THIS MAY BE THE SAME PRE-CONSTRUCTION MEETING HELD WITH OTHER DEVELOPMENT/ENFORCEMENT OFFICIALS.

THE PRESENCE OF ANY ASBESTOS CONTAINING MATERIALS ('ACM') AND/OR OTHER HAZARDOUS MATERIALS IN CONSTRUCTION AND DEMOLITION WASTE SHALL BE HANDLED IN ACCORDANCE WITH ANY AND ALL LOCAL, STATE, AND FEDERAL REGULATIONS AND GUIDELINES.



"CURB GUTTER SECTION

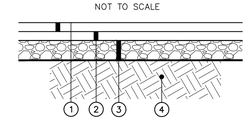
NOT TO SCALE



1. SURFACE COURSE, 1" ASPHALT PAVEMENT
2. BASE COURSE, 2" ASPHALT PAVEMENT
3. 8" COMPACTED AGGREGATE BASE COURSE
4. SUBGRADE COMPACTION

PARKING LOT PAVEMENT SECTION

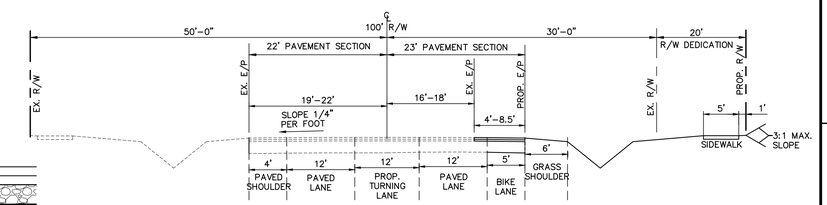
NOT TO SCALE



1. SURFACE COURSE, 1" ASPHALT PAVEMENT
2. BASE COURSE, 2" ASPHALT PAVEMENT
3. 8" COMPACTED AGGREGATE BASE COURSE
4. SUBGRADE COMPACTION

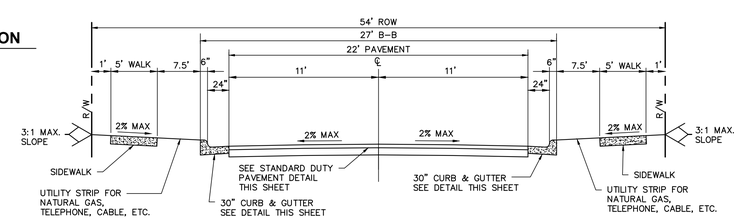
STANDARD DUTY PAVEMENT SECTION

NOT TO SCALE



SECTION A A HOMESTEAD ROAD DIENING

NOT TO SCALE



SECTION B B STANDARD LOCAL STREET SECTION

NOT TO SCALE

PLAN PREPARED BY:
ADVANCED CIVIL DESIGN ENGINEERS SURVEYORS
51 Kilmayne Drive, Suite 105
Cary, North Carolina 27511
ph 919.481.6280
fax 919.336.5127

PLAN PREPARED FOR:
CAPKOV VENTURES, INC.
202 E WINMORE AVE.
CHAPEL HILL, NC 27516-6430
PHONE: 919.942.8003

HOMESTEAD ROAD, CHAPEL HILL, NC – ORANGE COUNTY

MERIN ROAD COMMUNITY
SPECIAL USE PERMIT PLANS
FOR
CAPKOV VENTURES, INC.
DETAILED SITE PLAN

NORTH CAROLINA PROFESSIONAL SEAL ENGINEER CAMERON M. RICE
PRELIMINARY
11/11/2015

Issue Date:	
06/29/2015	Initial Submittal
09/11/2015	Response to 1st Review Comments
11/11/2015	Removed Merin Rd Access

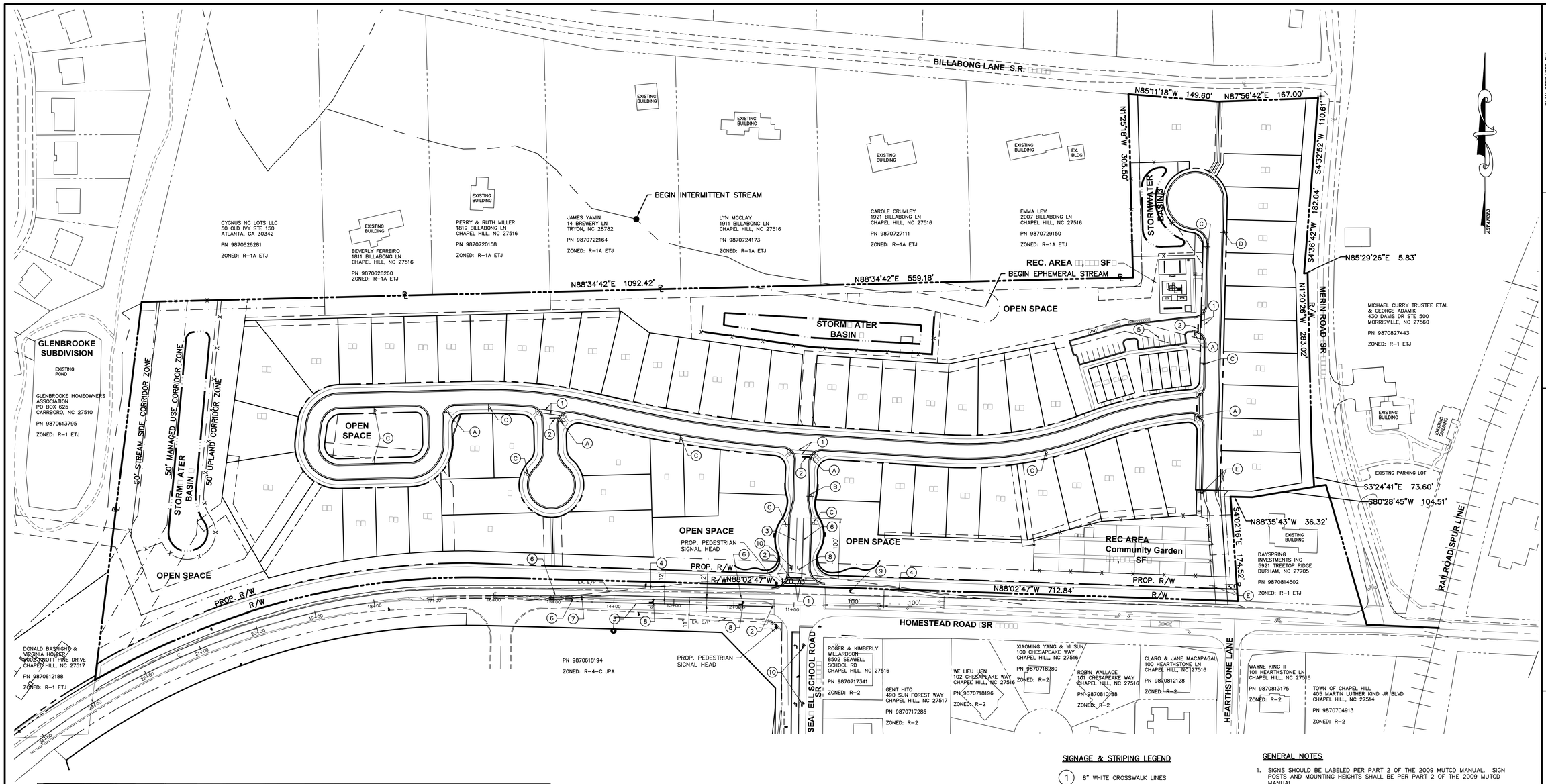
Date: 11/11/2015
Scale: 1" = 80'

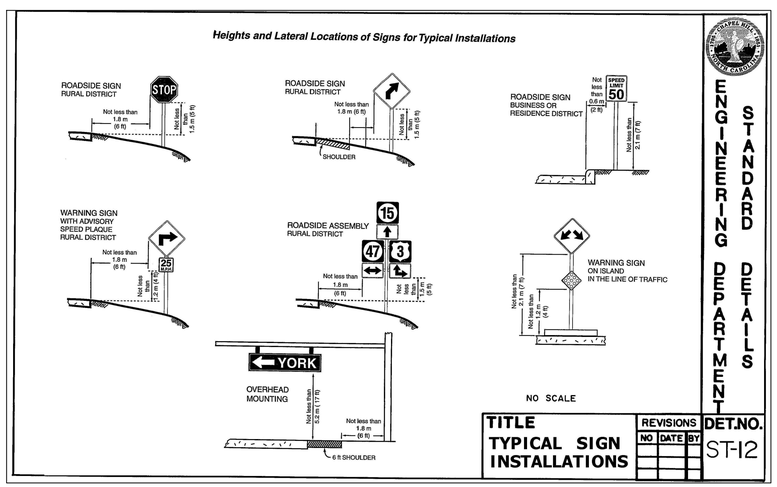
Drawn By:	Checked By:
CMR	JDW

Project Number: 14–0001–651

Drawing Number: 4A / 12

O:\14-0001-651\CV\DWG\Production Drawings\SPECIAL USE PERMIT\14-0001-651-SUP04A.dwg DETAILED SITE PLAN Nov 23, 2015 – 1:31:53pm crice





TOWN OF CHAPEL HILL
ST. NAME & TRAFFIC SIGN STANDARDS

STREET NAME SIGNS

- All names will start with a 6" capital letter, followed by lower case letters. The road designations (St., Rd., Cir. ...etc will be in 50% superscript, aligned with the top letter edge.
- The color scheme should be a background of bright green with white High Intensity grade letters & boarder (1/2"). The border is NOT inset.
- The street name sign should include on the left a replication of the Town seal, & on the right a block number.
- The Town seal should be the same color and height as the Street name.
- Block numbers should the same color as the superscript, 2" in height, & aligned with the bottom of the street name. The number should be centered 3 1/4" below the road superscript.
- The letter font should be Highway Gothic C Fed Kern Rev8.
- All street name sign blades must be nine inches in height. The minimum length is 30", maximum is 48". The actual length of the blade will be dictated by the number of letters in the name.
- The street name (including Town seal, block numbers, & superscript), should be at least 4" shorter than the sign blade.
- All street name posts will be round, aluminum or steel, 2 3/8" OD, & at least 10' in length.
- STOP signs – 30" x 30"
- REGULATORY SIGNS - STOP, YIELD, DO NOT ENTER, WRONG WAY, & SPEED LIMIT signs should be fabricated with High Intensity reflective material.

ALL OTHER SIGNS

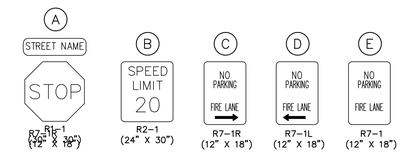
- STOP signs – 30" x 30"
- REGULATORY SIGNS - STOP, YIELD, DO NOT ENTER, WRONG WAY, & SPEED LIMIT signs should be fabricated with High Intensity reflective material.
- All other signs shall be made from Engineer Grade material.
- All other signs should be 7' from the ground to the bottom of the sign, unless more than one sign is on a post.
- Installed signs should be minimum of 2' from sign edge to the road edge.
- All other sign posts should be channel posts made of galvanized steel, 8' posts 2lbs/ft, 12' posts 3lbs/ft.
- All signs are required to be designed in accordance with the MUTCD standards.

ENGINEERING DEPARTMENT — STANDARD DETAILS

TITLE:	REVISIONS		DET.NO.
STREET NAME & TRAFFIC SIGN STANDARDS	02/08	ER	ST - 15

SIGNAGE & STRIPING LEGEND

1. 8" WHITE CROSSWALK LINES
2. 24" WHITE STOP BAR LINES
3. 4" WHITE CHANNELIZING LINE
4. 4" WHITE EDGE LINE
5. 4" WHITE PARKING STALL LINE
6. 4" DOUBLE YELLOW CENTERLINE
7. 8" YELLOW TRANSVERSE LINE
8. 96" LEFT TURN ARROW
9. 96" RIGHT TURN ARROW
10. 153" RIGHT TURN & THROUGH LANE ARROW



GENERAL NOTES

1. SIGNS SHOULD BE LABELED PER PART 2 OF THE 2009 MUTCD MANUAL. SIGN POSTS AND MOUNTING HEIGHTS SHALL BE PER PART 2 OF THE 2009 MUTCD MANUAL.
2. STRIPING SHALL BE INSTALLED PER PART 3 OF THE 2009 MUTCD MANUAL.

GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)
1 inch = 80 ft.

PLAN PREPARED BY:
ADVANCED CIVIL DESIGN ENGINEERS SURVEYORS
51 Kilmayne Drive, Suite 105
Cary, North Carolina 27511
ph 919.481.6290
fax 919.336.5127

PLAN PREPARED FOR:
CAPKOV VENTURES, INC.
202 E WINMORE AVE.
CHAPEL HILL, NC 27516-8430
PHONE: 919.942.8003

HOMESTEAD ROAD, CHAPEL HILL, NC – ORANGE COUNTY
MERIN ROAD COMMUNITY
SPECIAL USE PERMIT PLANS
FOR
CAPKOV VENTURES, INC.
SIGNAGE & PAVEMENT MARKING PLAN

NORTH CAROLINA PROFESSIONAL SEAL 041324 ENGINEER CAMERON M. RICE
PRELIMINARY
11/11/2015

Issue Dates:	
06/29/2015	Initial Submittal
09/11/2015	Response to 1st Review Comments
11/11/2015	Removed Merin Rd Access

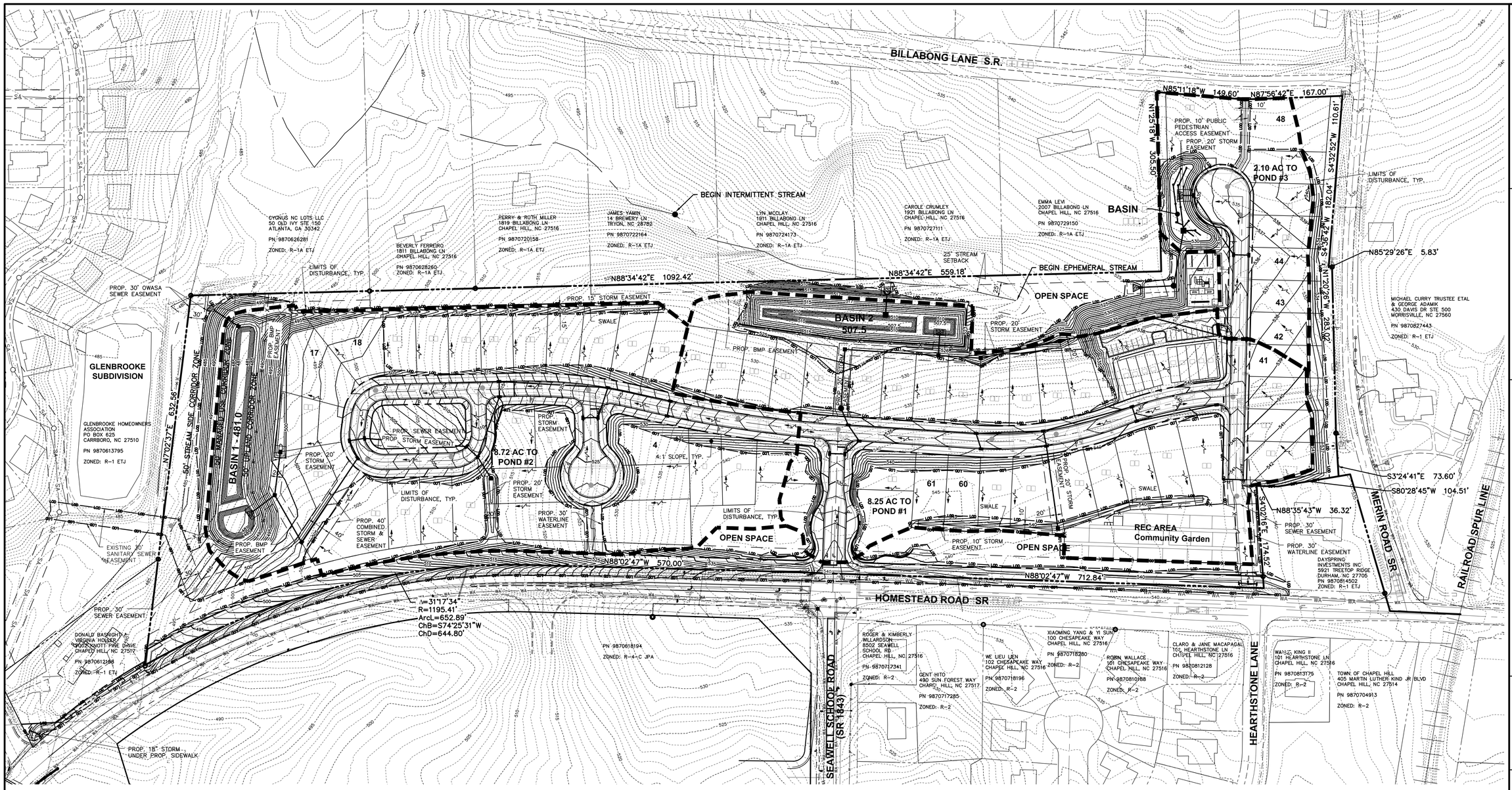
Date: 11/11/2015
Scale: 1" = 80'

Drawn By:	Checked By:
CMR	JDW

Project Number: 14–0001–651

Drawing Number: 4B / 12

O:\14-0001-651NC\DWG\Production Drawings\SPECIAL USE PERMIT\14-0001-651-SUP04B.dwg SIGNAGE & PAVEMENT MARKING PLAN Nov 23, 2015 - 1:34:02pm crice



GENERAL NOTES:

TO MINIMIZE DAMAGE TO EXISTING TREES NEAR THE EXTERIOR EDGE OF THE SITE ADJACENT TO TREE CONSERVATION AREAS, THE CONTRACTOR SHALL CUT MINIMUM 2' TRENCHES ALONG THE LIMITS OF DISTURBANCE, SO AS TO CUT RATHER THAN TEAR ROOTS.

THE TREE PROTECTION FENCE SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION PRIOR TO THE CERTIFICATE OF OCCUPANCY (CO) IS SCHEDULED. THE FENCING SHALL BE REMOVED PRIOR TO FINAL SITE INSPECTION FOR THE CO.

PERMANENT GROUND COVER WILL BE ESTABLISHED IN 7 TO 14 WORKING DAYS PER NPDES REQUIREMENTS. REFER TO APPROVED SEDIMENT AND EROSION CONTROL PLANS.

CUT/FILL SLOPES SHALL BE STABILIZED WITHIN 14 DAYS OF ANY PHASE OF GRADING.

A PRE-CONSTRUCTION CONFERENCE WILL BE REQUIRED PRIOR TO THE GRADING PERMIT BEING ISSUED.

STREETS ADJACENT TO THIS PROJECT TO BE KEPT CLEAN AT ALL TIMES OR A WASH STATION WILL BE REQUIRED.

LOTS 41-46 TO BE GRADED DURING BUILDING CONSTRUCTION TO DRAIN TO PROPOSED CUL-DE-SAC STREET.

THE DEVELOPER SHALL PROVIDE AN EROSION CONTROL BOND PRIOR TO OBTAINING A ZONING COMPLIANCE PERMIT.

LEGEND

- 916 — EXISTING CONTOUR – 1'
- 915 — EXISTING CONTOUR – 5'
- ST — EXISTING STORM SEWER
- SA — EXISTING SANITARY SEWER
- WA — EXISTING WATER LINE
- 916 — PROPOSED CONTOUR – 1'
- 915 — PROPOSED CONTOUR – 5'
- PROPOSED STORM SEWER
- PROPOSED SANITARY
- PROPOSED WATER LINE
- LOD — LIMITS OF DISTURBANCE
- DRAINAGE BOUNDARY TO POND
- SURFACE FLOW ARROW

GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)
1 inch = 80 ft.

PLAN PREPARED BY:
ADVANCED CIVIL DESIGN ENGINEERS SURVEYORS
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PLAN PREPARED FOR:
CAPKOV VENTURES, INC.
202 E WINMORE AVE.
CHAPEL HILL, NC 27516-8430
PHONE: 919.942.8003

HOMESTEAD ROAD, CHAPEL HILL, NC – ORANGE COUNTY

MERIN ROAD COMMUNITY
SPECIAL USE PERMIT PLANS
FOR
CAPKOV VENTURES, INC.
OVERALL STORM WATER MANAGEMENT PLAN

NORTH CAROLINA PROFESSIONAL SEAL 024 ENGINEER CAMERON M RICE
PRELIMINARY
11/11/2015

Issue Dates:	
06/29/2015	Initial Submittal
09/11/2015	Response to 1st Review Comments
11/11/2015	Removed Merin Rd Access

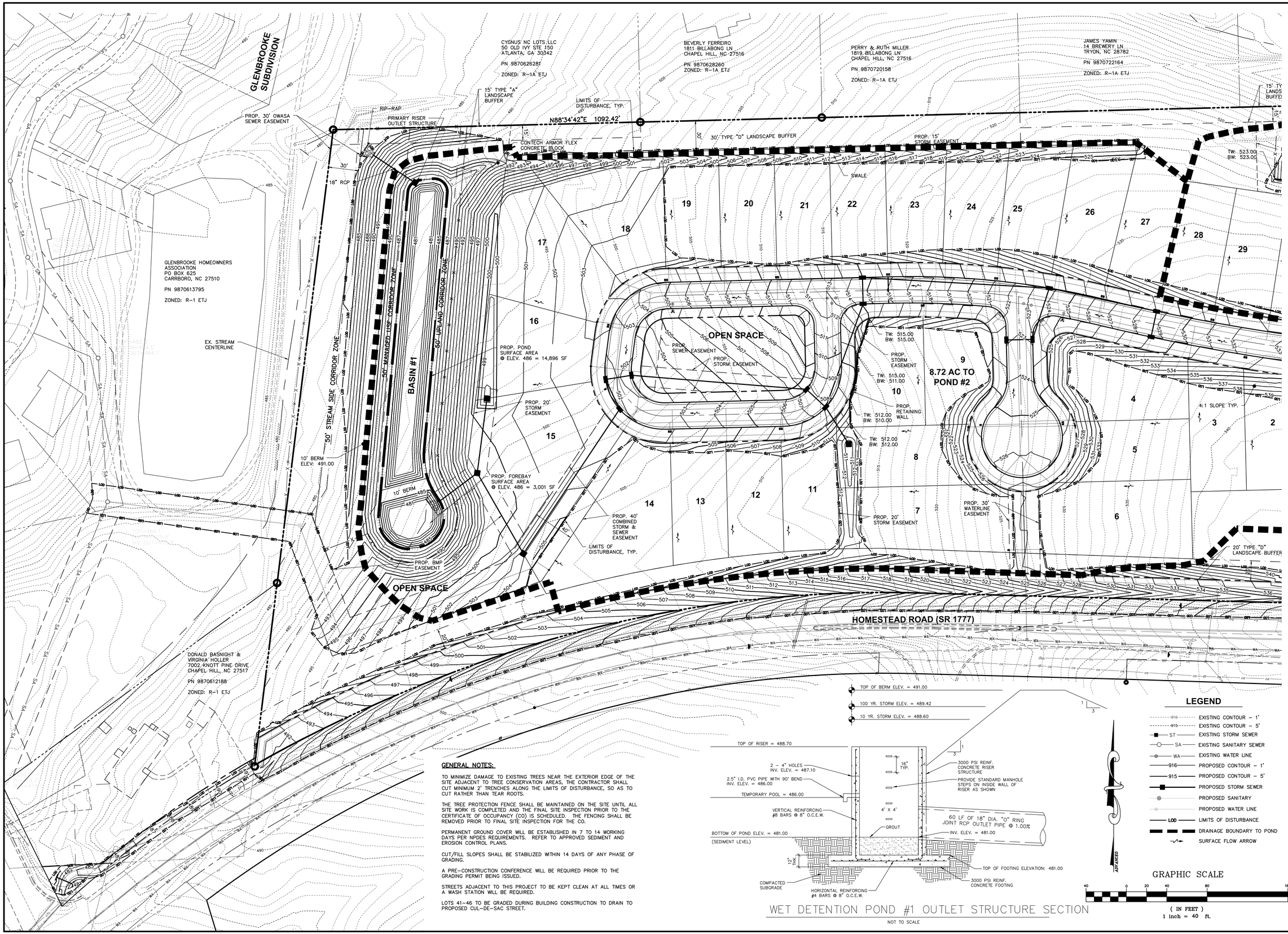
Date: 11/11/2015
Scale: 1"=80'

Drawn By:	Checked By:
CMR	JDW

Project Number: 14-0001-651

Drawing Number: 5 / 12

O:\14-0001-651NC\DWG\Production Drawings\SPECIAL USE PERMIT\14-0001-651-SUP05.dwg OVERALL STORMWATER MANAGEMENT PLAN Nov 23, 2015 - 1:37:22pm crice



GENERAL NOTES:

TO MINIMIZE DAMAGE TO EXISTING TREES NEAR THE EXTERIOR EDGE OF THE SITE ADJACENT TO TREE CONSERVATION AREAS, THE CONTRACTOR SHALL CUT MINIMUM 2' TRENCHES ALONG THE LIMITS OF DISTURBANCE, SO AS TO CUT RATHER THAN TEAR ROOTS.

THE TREE PROTECTION FENCE SHALL BE MAINTAINED ON THE SITE UNTIL ALL SITE WORK IS COMPLETED AND THE FINAL SITE INSPECTION PRIOR TO THE CERTIFICATE OF OCCUPANCY (CO) IS SCHEDULED. THE FENCING SHALL BE REMOVED PRIOR TO FINAL SITE INSPECTION FOR THE CO.

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LOTS 41-46 TO BE GRADED DURING BUILDING CONSTRUCTION TO DRAIN TO PROPOSED CUL-DE-SAC STREET.

O:\14-0001-651NC\DWG\Production Drawings\SPECIAL USE PERMIT\14-0001-651-SUP06-7.dwg STORMWATER MANAGEMENT PLAN Nov 23, 2015 - 1:39:49pm crice

PLAN PREPARED BY:
ADVANCED CIVIL DESIGN ENGINEERS SURVEYORS
51 Kilmayne Drive, Suite 105
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PLAN PREPARED FOR:
CAPKOV VENTURES, INC.
202 E WINMORE AVE.
CHAPEL HILL, NC 27516-8430
PHONE: 919.942.8003

HOMESTEAD ROAD, CHAPEL HILL, NC - ORANGE COUNTY

MERIN ROAD COMMUNITY

SPECIAL USE PERMIT PLANS

FOR

CAPKOV VENTURES, INC.

STORM ATER MANAGEMENT PLAN

NORTH CAROLINA PROFESSIONAL SEAL 024 ENGINEER CAMERON M. RICE
PRELIMINARY
11/11/2015

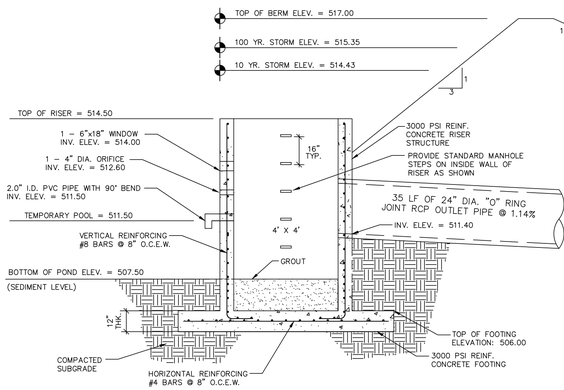
Issue Dates:
06/29/2015 - Initial Submittal
09/11/2015 - Response to 1st Review Comments
11/11/2015 - Removed Merin Rd Access

Date: 11/11/2015
Scale: 1"=40'

Drawn By:	Checked By:
CMR	JDW

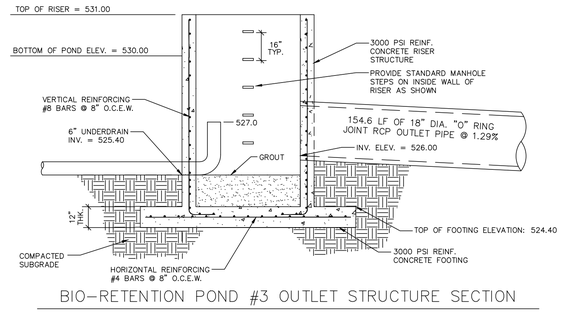
Project Number: 14-0001-651

Drawing Number: 6 / 12



WET DETENTION POND #2 OUTLET STRUCTURE SECTION

NOT TO SCALE



BIO-RETENTION POND #3 OUTLET STRUCTURE SECTION

NOT TO SCALE

LEGEND

- EXISTING CONTOUR – 1'
- EXISTING CONTOUR – 5'
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATER LINE
- PROPOSED CONTOUR – 1'
- PROPOSED CONTOUR – 5'
- PROPOSED STORM SEWER
- PROPOSED SANITARY
- PROPOSED WATER LINE
- LIMITS OF DISTURBANCE
- DRAINAGE BOUNDARY TO POND
- SURFACE FLOW ARROW

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

GENERAL NOTES:

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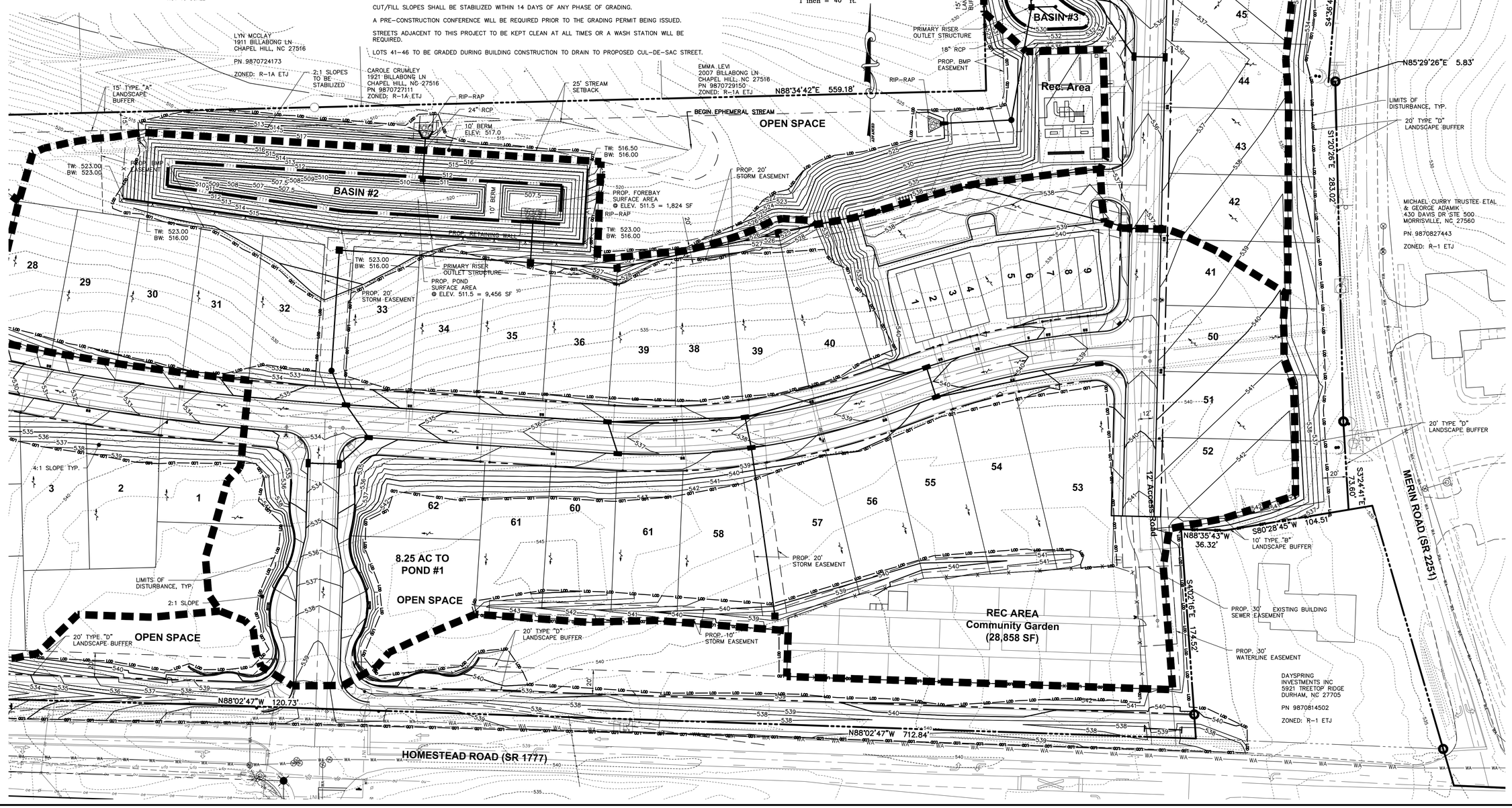


PLAN PREPARED BY:
ADVANCED CIVIL DESIGN ENGINEERS SURVEYORS
51 Kilmayne Drive, Suite 105
Cary, North Carolina 27511
ph 919.481.6290
fax 919.336.5127

PLAN PREPARED FOR:
CAPKOV VENTURES, INC.
202 E WINMORE AVE.
CHAPEL HILL, NC 27516–8430
PHONE: 919.942.8003

HOMESTEAD ROAD, CHAPEL HILL, NC – ORANGE COUNTY

MERIN ROAD COMMUNITY
SPECIAL USE PERMIT PLANS
FOR
CAPKOV VENTURES, INC.
STORM ATER MANAGEMENT PLAN

NORTH CAROLINA PROFESSIONAL SEAL ENGINEER CAMERON M. RICE
PRELIMINARY
11/11/2015

Issue Dates:	
06/29/2015	Initial Submittal
09/11/2015	Response to 1st Review Comments
11/11/2015	Removed Merin Rd Access

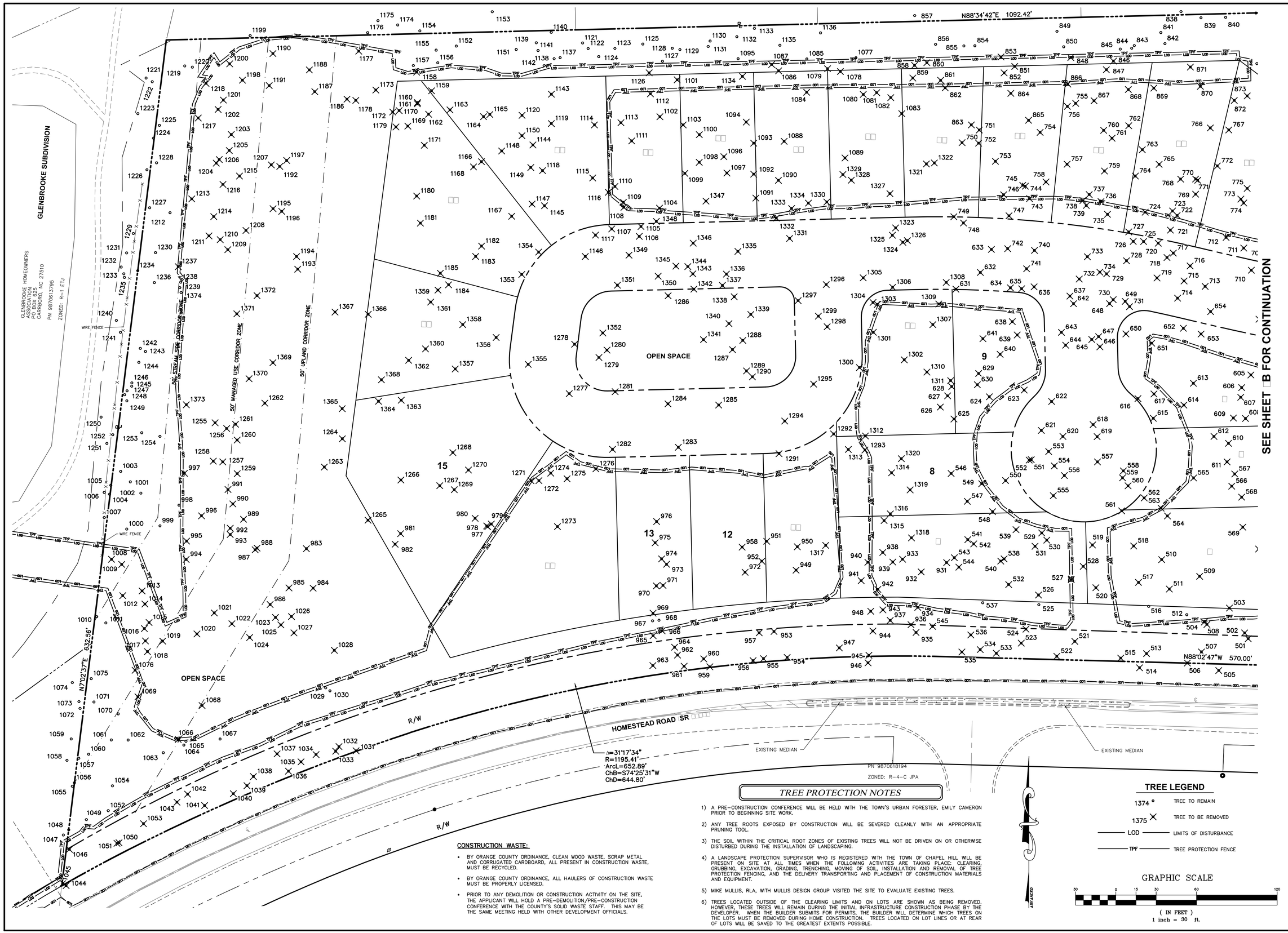
Date: 11/11/2015
Scale: 1"=40'

Drawn By:	Checked By:
CMR	JDW

Project Number: 14–0001–651

Drawing Number: 7 / 12

O:\14–0001–651NC\DWG\Production Drawings\SPECIAL USE PERMIT\14–0001–651–SUP06–7.dwg STORMWATER MANAGEMENT PLAN 2 Nov 23, 2015 – 1:39:29pm crice



TREE PROTECTION NOTES

1) A PRE-CONSTRUCTION CONFERENCE WILL BE HELD WITH THE TOWN'S URBAN FORESTER, EMILY CAMERON PRIOR TO BEGINNING SITE WORK.

2) ANY TREE ROOTS EXPOSED BY CONSTRUCTION WILL BE SEVERED CLEANLY WITH AN APPROPRIATE PRUNING TOOL.

3) THE SOIL WITHIN THE CRITICAL ROOT ZONES OF EXISTING TREES WILL NOT BE DRIVEN ON OR OTHERWISE DISTURBED DURING THE INSTALLATION OF LANDSCAPING.

4) A LANDSCAPE PROTECTION SUPERVISOR WHO IS REGISTERED WITH THE TOWN OF CHAPEL HILL WILL BE PRESENT ON SITE AT ALL TIMES WHEN THE FOLLOWING ACTIVITIES ARE TAKING PLACE: CLEARING, GRUBBING, EXCAVATION, GRADING, TRENCHING, MOVING OF SOIL, INSTALLATION AND REMOVAL OF TREE PROTECTION FENCING, AND THE DELIVERY TRANSPORTING AND PLACEMENT OF CONSTRUCTION MATERIALS AND EQUIPMENT.

5) MIKE MULLIS, RLA, WITH MULLIS DESIGN GROUP VISITED THE SITE TO EVALUATE EXISTING TREES.

6) TREES LOCATED OUTSIDE OF THE CLEARING LIMITS AND ON LOTS ARE SHOWN AS BEING REMOVED. HOWEVER, THESE TREES WILL REMAIN DURING THE INITIAL INFRASTRUCTURE CONSTRUCTION PHASE BY THE DEVELOPER. WHEN THE BUILDER SUBMITS FOR PERMITS, THE BUILDER WILL DETERMINE WHICH TREES ON THE LOTS MUST BE REMOVED DURING HOME CONSTRUCTION. TREES LOCATED ON LOT LINES OR AT REAR OF LOTS WILL BE SAVED TO THE GREATEST EXTENTS POSSIBLE.

CONSTRUCTION WASTE:

- BY ORANGE COUNTY ORDINANCE, CLEAN WOOD WASTE, SCRAP METAL AND CORRUGATED CARDBOARD, ALL PRESENT IN CONSTRUCTION WASTE, MUST BE RECYCLED.
- BY ORANGE COUNTY ORDINANCE, ALL HAULERS OF CONSTRUCTION WASTE MUST BE PROPERLY LICENSED.
- PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITY ON THE SITE, THE APPLICANT WILL HOLD A PRE-DEMOLITION/PRE-CONSTRUCTION CONFERENCE WITH THE COUNTY'S SOLID WASTE STAFF. THIS MAY BE THE SAME MEETING HELD WITH OTHER DEVELOPMENT OFFICIALS.

TREE LEGEND

1374 °	TREE TO REMAIN
1375 X	TREE TO BE REMOVED
LOD	LIMITS OF DISTURBANCE
TPF	TREE PROTECTION FENCE

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

PLAN PREPARED BY:
ADVANCED CIVIL DESIGN ENGINEERS SURVEYORS
51 Kilmayne Drive, Suite 105
Cary, North Carolina 27511
ph 919.481.6290
fax 919.336.5127

PLAN PREPARED FOR:
CAPKOV VENTURES, INC.
202 E WINMORE AVE.
CHAPEL HILL, NC 27516-8430
PHONE: 919.942.8005

HOMESTEAD ROAD, CHAPEL HILL, NC - ORANGE COUNTY
MERIN ROAD COMMUNITY
SPECIAL USE PERMIT PLANS
FOR
CAPKOV VENTURES, INC.
LANDSCAPE PROTECTION PLAN

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL CAMERON M. RICE
PRELIMINARY
11/11/2015

Issue Dates:
06/29/2015 - Initial Submittal
09/11/2015 - Response to 1st Review Comments
11/11/2015 - Removed Merin Rd Access

Date: 11/11/2015
Scale: 1" = 30'

Drawn By: CMR
Checked By: JDW

Project Number: 14-0001-651

Drawing Number: 8A / 12

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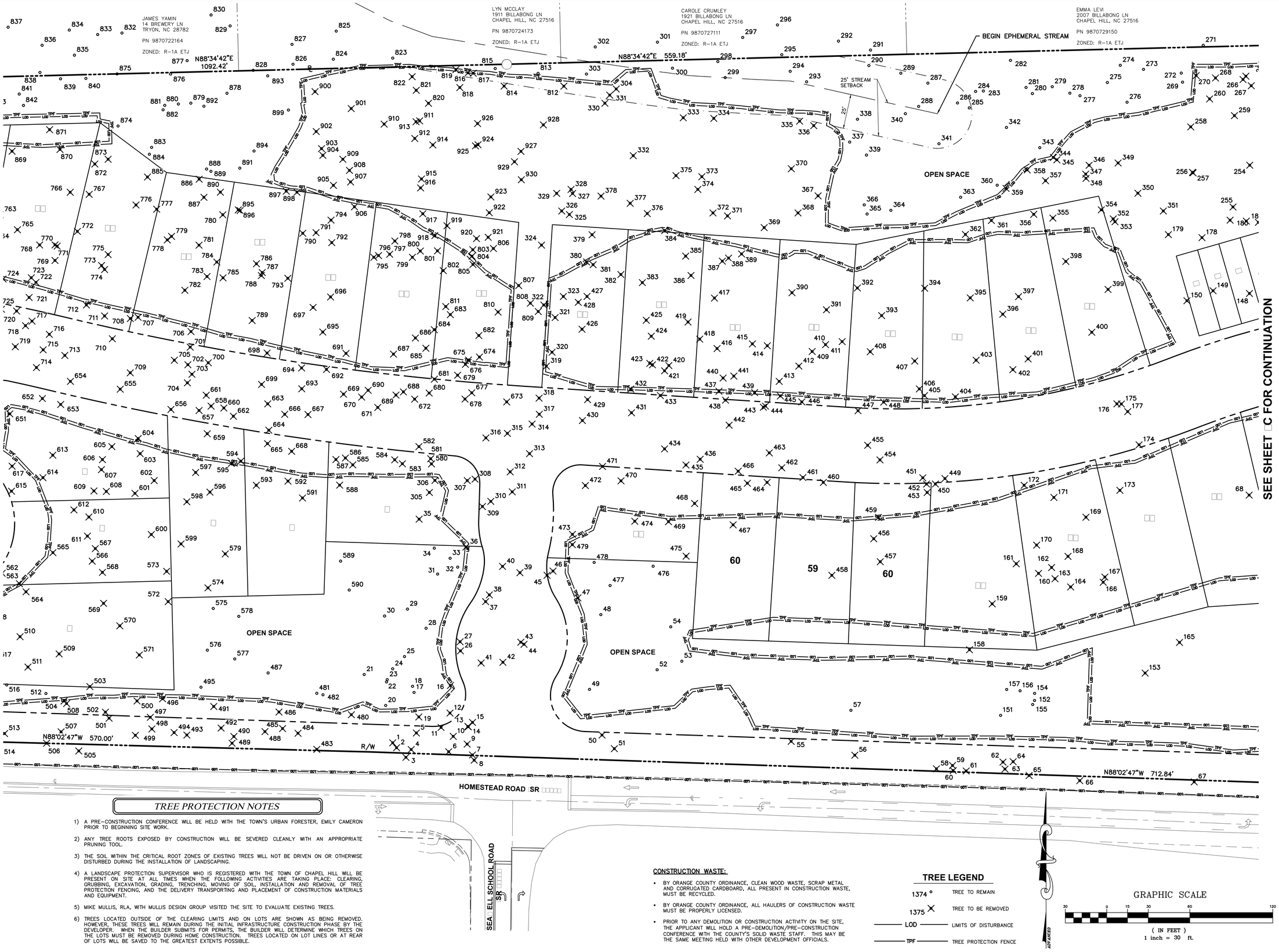

TREE PROTECTION NOTES

1) A PRE-CONSTRUCTION CONFERENCE WILL BE HELD WITH THE TOWN'S URBAN FORESTER, EMILY CAMERON PRIOR TO BEGINNING SITE WORK.

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CONSTRUCTION WASTE:

- BY ORANGE COUNTY ORDINANCE, CLEAN WOOD WASTE, SCRAP METAL AND CORRUGATED CARDBOARD, ALL PRESENT IN CONSTRUCTION WASTE, MUST BE RECYCLED.
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TREE LEGEND

1374 °	TREE TO REMAIN
1375 X	TREE TO BE REMOVED
—— LOD ——	LIMITS OF DISTURBANCE
—— TPF ——	TREE PROTECTION FENCE

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

PLAN PREPARED BY:
ADVANCED CIVIL DESIGN ENGINEERS SURVEYORS
51 Kilmayne Drive, Suite 105
Cary, North Carolina 27511
ph 919.481.6290
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PLAN PREPARED FOR:
CAPKOV VENTURES, INC.
202 E WINMORE AVE.
CHAPEL HILL, NC 27516-8430
PHONE: 919.942.8005

HOMESTEAD ROAD, CHAPEL HILL, NC - ORANGE COUNTY
MERIN ROAD COMMUNITY
SPECIAL USE PERMIT PLANS
FOR
CAPKOV VENTURES, INC.
LANDSCAPE PROTECTION PLAN

NORTH CAROLINA PROFESSIONAL SEAL ENGINEER CAMERON M. RICE
PRELIMINARY
11/11/2015

Issue Dates:	
06/29/2015 - Initial Submittal	
09/11/2015 - Response to 1st Review Comments	
11/11/2015 - Removed Merin Rd Access	

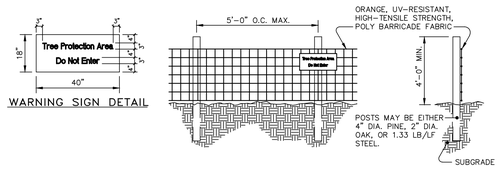
Date: 11/11/2015
Scale: 1" = 30'

Drawn By: CMR
Checked By: JDW

Project Number: 14-0001-651

Drawing Number: 8B / 12

O:\14-0001-651NC\DWG\Production Drawings\SPECIAL USE PERMIT\14-0001-651-SUP08.dwg LANDSCAPE PROTECTION PLAN (2) Nov 23, 2015 - 1:41:47pm crice



WARNING SIGN DETAIL

TREE PROTECTION NOTES

1) A PRE-CONSTRUCTION CONFERENCE WILL BE HELD WITH THE TOWN'S URBAN FORESTER, EMILY CAMERON PRIOR TO BEGINNING SITE WORK.

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NOTES:

- WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL..
- LETTERS TO BE 3" HIGH MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED.
- SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS.
- PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER.
- FOR TREE PROTECTION AREAS LESS THAN 200' IN PERIMETER, PROVIDE NO LESS THAN ONE SIGN PER PROTECTION AREA.
- ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC.
- MAINTAIN TREE PROTECTION FENCE THROUGHOUT DURATION OF PROJECT. ADDITIONAL SIGNS MAY BE REQUIRED BY THE TOWN OF CHAPEL HILL INSPECTIONS DEPARTMENT BASED ON ACTUAL FIELD CONDITIONS.

MAINTENANCE:

- INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
- SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
- REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
- REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

TREE PROTECTION FENCE

NOT TO SCALE

CONSTRUCTION WASTE:

- BY ORANGE COUNTY ORDINANCE, CLEAN WOOD WASTE, SCRAP METAL AND CORRUGATED CARDBOARD, ALL PRESENT IN CONSTRUCTION WASTE, MUST BE RECYCLED.
- BY ORANGE COUNTY ORDINANCE, ALL HAULERS OF CONSTRUCTION WASTE MUST BE PROPERLY LICENSED.
- PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITY ON THE SITE, THE APPLICANT WILL HOLD A PRE-DEMOLITION/PRE-CONSTRUCTION CONFERENCE WITH THE COUNTY'S SOLID WASTE STAFF. THIS MAY BE THE SAME MEETING HELD WITH OTHER DEVELOPMENT OFFICIALS.

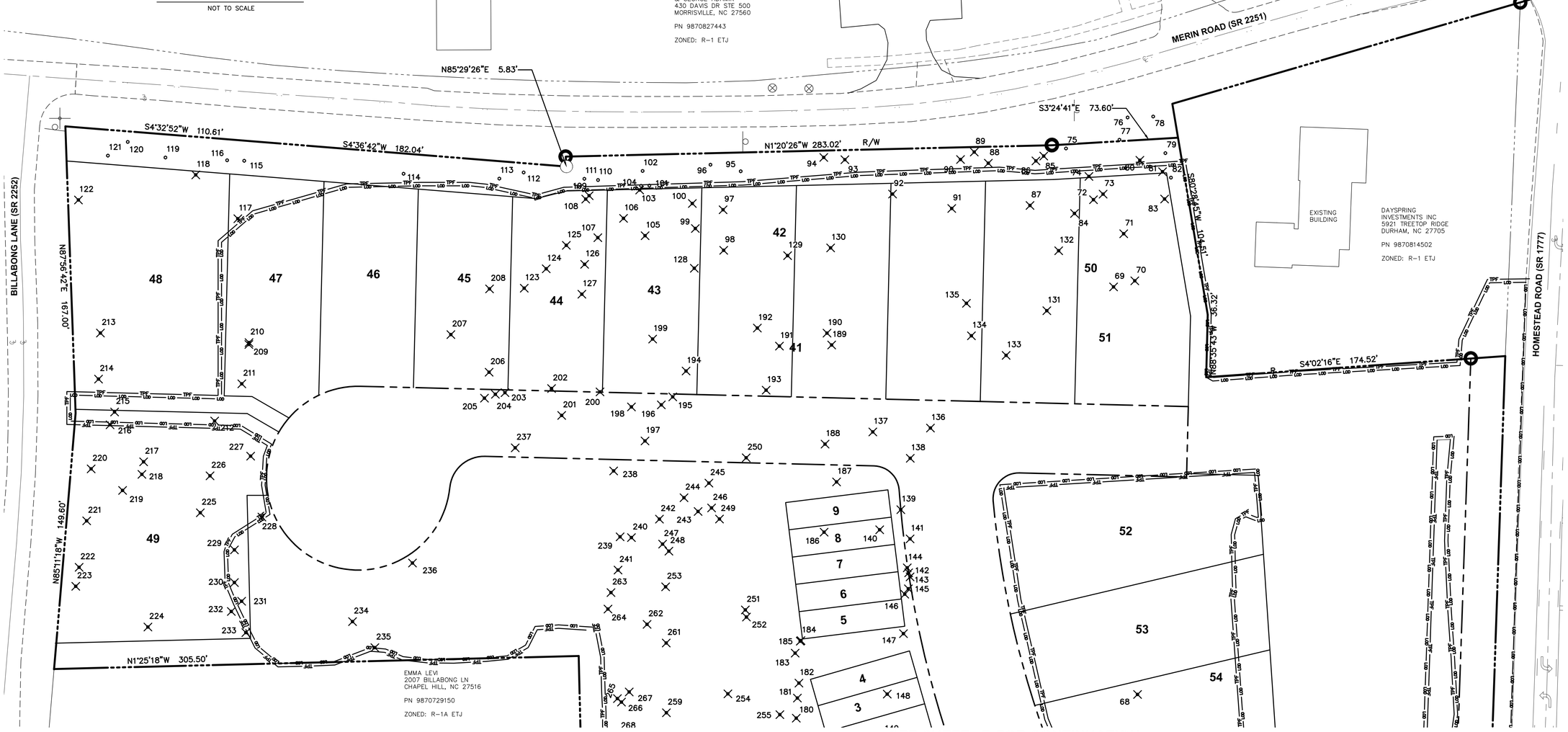
TREE LEGEND

1374 °	TREE TO REMAIN
1375 X	TREE TO BE REMOVED
LOD	LIMITS OF DISTURBANCE
TPF	TREE PROTECTION FENCE

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.



SEE SHEET 8B FOR CONTINUATION

PLAN PREPARED BY:
ADVANCED CIVIL DESIGN
ENGINEERS SURVEYORS
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PLAN PREPARED FOR:
CAPKOV VENTURES, INC.
202 E WINMORE AVE.
CHAPEL HILL, NC 27516-8430
PHONE: 919.942.8005

HOMESTEAD ROAD, CHAPEL HILL, NC - ORANGE COUNTY
MERIN ROAD COMMUNITY
SPECIAL USE PERMIT PLANS
FOR
CAPKOV VENTURES, INC.
LANDSCAPE PROTECTION PLAN

NORTH CAROLINA PROFESSIONAL SEAL ENGINEER CAMERON M. RICE
PRELIMINARY
11/11/2015

Issue Dates:	
06/29/2015	Initial Submittal
09/11/2015	Response to 1st Review Comments
11/11/2015	Removed Merin Rd Access

Date: 11/11/2015
Scale: 1" = 30'

Drawn By:	Checked By:
CMR	JDW

Project Number: 14-0001-651

Drawing Number: 8C / 12

O:\14-0001-651NC\DWG\Production Drawings\SPECIAL USE PERMIT\14-0001-651-SUP08.dwg LANDSCAPE PROTECTION PLAN (3) Nov 23, 2015 - 1:48:46pm crice

Point Table

Point #	Raw Description
1	13" oak
2	18" pine
3	21" pine
4	15" oak
5	16" sweet gum
6	18" sweet gum
7	14" cedar
8	14" sweet gum
9	18" oak
10	22" oak
11	18" pine
12	21" pine
13	16" maple
14	13" cedar
15	21" oak
16	8" sourwood
17	12" oak
18	12" oak
19	18" pine
20	19" hickory
21	18" pine
22	20" pine
23	19" oak
24	15" sweet gum
25	23" oak
26	15" maple
27	23" pine
28	20" pine
29	18" pine
30	24" oak
31	22" pine
32	28" oak
33	21" oak
34	21" pine
35	12" hickory
36	20" pine
37	13" maple
38	29" pine
39	16" hickory
40	17" oak
41	22" pine
42	17" elm
43	16" sweet gum
44	23" oak
45	13" hickory
46	14" hickory
47	25" oak
48	25" oak
49	34" oak
50	18" pine – vines
51	26" pine – vines
52	43" oak
53	16" cedar
54	34" oak
55	30" cedar
56	35" cedar
57	22" persimmon
58	13" elm – vines
59	13" sweet gum
60	13" sweet gum
61	15" sweet gum
62	15" sweet gum
63	15" sweet gum
64	20" sweet gum
65	20" sweet gum
66	30" sweet gum
67	12" sweet gum
68	6" cedar – vines
69	21" pine
70	18" pine
71	19" pine
72	13" cherry
73	20" pine
74	18" pine
75	24" pine
76	24" cedar
77	18" pine
78	21" cedar
79	28" sweet gum
80	19" pine
81	13" hickory
82	22" pine
83	22" pine
84	20" pine
85	12" sweet gum
86	19" pine
87	20" pine
88	12" sweet gum
89	13" sweet gum
90	19" pine

Point Table

Point #	Raw Description
91	16" sweet gum
92	15" sweet gum
93	19" pine
94	19" pine
95	19" pine
96	19" pine
97	18" pine
98	22" pine
99	23" pine
100	22" pine
101	12" tulip poplar
102	19" pine
103	19" pine
104	23" pine
105	25" pine
106	23" pine
107	20" pine
108	8" cedar
109	18" pine
110	18" pine
111	20" pine
112	18" pine
113	23" pine
114	18" pine
115	12" elm
116	18" pine
117	18" pine
118	15" maple
119	20" pine
120	19" pine
121	19" pine
122	19" pine
123	18" pine
124	31" sweet gum
125	12" elm
126	27" pine
127	15" sweet gum – vines
128	22" sweet gum – vines
129	18" pine
130	18" pine
131	20" pine
132	18" pine
133	18" pine
134	38" sweet gum – vines
135	13" sweet gum – vines
136	24" pine – vines
137	25" sweet gum – vines
138	20" sweet gum – vines
139	15" sweet gum – vines
140	20" pine – vines
141	20" pine – vines
142	21" pine – vines
143	15" sweet gum – vines
144	20" pine – vines
145	24" pine – vines
146	25" sweet gum – vines
147	24" pine – vines
148	12" tulip poplar – vines
149	12" tulip poplar
150	24" cedar – vines
151	15" tulip poplar
152	13" tulip poplar
153	12" tulip poplar
154	14" tulip poplar
155	12" tulip poplar
156	16" tulip poplar
157	16" tulip poplar
158	12" sweet gum
159	12" sweet gum
160	12" sweet gum
161	13" sweet gum
162	12" sweet gum – vines
163	12" sweet gum
164	12" sweet gum
165	19" pine
166	12" sweet gum
167	14" sweet gum
168	14" sweet gum – vines
169	15" tulip poplar
170	15" tulip poplar
171	13" tulip poplar
172	18" pine
173	13" tulip poplar
174	18" pine
175	12" sweet gum
176	6" persimmon
177	12" sweet gum – vines
178	45" maple
179	31" sweet gum
180	21" oak

Point Table

Point #	Raw Description
181	28" sweet gum – vines
182	18" sweet gum – vines
183	44" sweet gum – vines
184	16" sweet gum
185	12" sweet gum – vines
186	20" pine – vines
187	16" sweet gum – vines
188	12" sweet gum – vines
189	12" sweet gum – vines
190	18" pine
191	22" pine – vines
192	18" pine – vines
193	12" sweet gum – vines
194	18" pine – vines
195	22" pine – vines
196	20" pine – vines
197	30" pine – vines
198	23" pine – vines
199	22" pine – vines
200	28" pine
201	13" elm – vines
202	12" sweet gum – vines
203	18" pine
204	18" pine
205	21" pine
206	18" pine
207	12" tulip poplar
208	13" sycamore
209	30" pine
210	21" pine
211	28" pine
212	18" pine
213	18" pine
214	18" pine
215	18" pine
216	15" sweet gum – vines
217	13" cedar
218	6" cedar
219	7" cedar
220	20" pine
221	19" pine
222	20" pine
223	16" elm
224	18" pine
225	19" pine
226	6" cedar
227	18" elm
228	14" sweet gum
229	18" pine
230	16" sweet gum
231	12" sweet gum
232	18" pine
233	20" pine
234	18" pine
235	12" tulip poplar
236	18" pine
237	18" pine
238	22" pine
239	30" oak
240	27" elm
241	20" sweet gum – vines
242	19" pine
243	12" sweet gum
244	12" sweet gum – vines
245	12" sweet gum
246	12" oak
247	13" maple
248	12" sweet gum – vines
249	18" pine
250	18" pine – vines
251	29" oak
252	39" maple
253	20" sweet gum – vines
254	19" oak
255	32" oak
256	42" sweet gum
257	14" oak
258	14" sweet gum
259	16" sweet gum
260	14" oak
261	20" oak
262	18" maple – vines
263	20" sweet gum – vines
264	28" maple – vines
265	14" sweet gum – vines
266	16" sweet gum
267	12" maple
268	17" sweet gum
269	21" elm – vines
270	24" sweet gum

Point Table

Point #	Raw Description
271	30" sweet gum
272	14" oak
273	33" sycamore
274	22" sycamore
275	30" pine
276	12" sweet gum – vines
277	18" sweet gum – vines
278	15" sweet gum
279	23" sweet gum – vines
280	18" sweet gum – vines
281	19" sweet gum – vines
282	21" pine – vines
283	19" sweet gum – vines
284	23" sweet gum – vines
285	14" sweet gum – vines
286	28" oak – vines
287	24" sweet gum
288	14" oak – vines
289	20" pine
290	22" pine
291	23" pine
292	17" sweet gum
293	17" sweet gum
294	26" pine
295	12" tulip poplar
296	23" pine
297	12" tulip poplar
298	16" sweet gum
299	12" elm
300	13" sweet gum – vines
301	28" sweet gum
302	24" sweet gum – vines
303	19" sweet gum – vines
304	20" oak
305	19" sweet gum
306	16" sweet gum
307	11" cedar
308	17" sweet gum
309	26" oak
310	17" sweet gum
311	23" oak
312	15" oak
313	24" hickory
314	21" oak
315	20" pine
316	18" pine
317	12" persimmon
318	21" tulip poplar
319	21" sweet gum
320	18" oak
321	19" sweet gum
322	6" sourwood
323	19" tulip poplar
324	15" oak
325	12" oak
326	14" oak
327	15" oak
328	13" persimmon
329	15" oak
330	13" sweet gum
331	19" oak – vines
332	20" oak
333	15" sweet gum – vines
334	15" maple
335	30" oak
336	13" elm
337	18" sycamore
338	21" oak
339	29" sweet gum – vines
340	18" sweet gum
341	33" tulip poplar
342	27" maple
343	14" elm – vines
344	13" maple
345	12" maple
346	26" sweet gum – vines
347	12" sweet gum – vines
348	19" pine
349	18" maple
350	24" sweet gum
351	19" sweet gum
352	15" sweet gum – vines
353	16" sweet gum – vines
354	25" sweet gum – vines
355	24" sweet gum – vines
356	20" sweet gum – vines
357	16" sweet gum – vines
358	14" sweet gum
359	23" sweet gum – vines
360	23" maple – vines

Point Table

Point #	Raw Description
361	15" sweet gum – vines
362	25" tulip poplar
363	15" maple
364	25" oak
365	15" hickory
366	16" sweet gum – vines
367	24" sweet gum
368	13" tulip poplar
369	24" sweet gum
370	15" tulip poplar
371	13" sweet gum
372	20" oak
373	30" oak
374	26" oak
375	23" oak
376	24" oak
377	21" oak
378	14" maple
379	23" oak
380	16" oak
381	7" sourwood
382	21" oak
383	20" oak
384	17" oak
385	19" sweet gum
386	18" oak
387	28" sweet gum
388	19" oak
389	6" sourwood
390	23" oak
391	21" oak
392	31" oak
393	27" oak
394	33" oak – vines
395	31" oak – vines
396	29" oak – vines
397	30" oak – vines
398	15" tulip poplar
399	31" tulip poplar
400	36" oak
401	24" oak – vines
402	19" hickory
403	17" oak
404	21" oak – vines
405	20" oak
406	19" oak
407	26" oak
408	19" oak
409	21" oak
410	14" oak
411	13" oak
412	15" oak
413	16" oak
414	14" oak
415	17" oak
416	21" oak
417	16" oak
418	12" oak
419	13" oak
420	14" oak
421	17" oak
422	22" sweet gum
423	19" oak
424	20" oak
425	12" oak
426	21" pine
427	12" sweet gum
428	16" sweet gum
429	22" oak
430	22" oak – vines
431	12" tulip poplar
432	24" oak
433	12" sweet gum
434	41" oak
435	27" oak
436	26" oak
437	13" maple
438	18" oak
439	22" oak
440	19" oak
441	11" sourwood
442	22" pine
443	12" oak
444	20" persimmon
445	7" sourwood
446	23" oak
447	22" oak
448	24" oak
449	23" oak – vines
450	19" sweet gum

Point Table

Point #	Raw Description
451	14" oak
452	12" oak
453	18" oak – vines
454	18" pine
455	18" pine
456	30" oak
457	17" holly
458	63" oak
459	28" oak – vines
460	20" tulip poplar
461	24" pine
462	20" pine
463	16" oak
464	20" sweet gum
465	13" hickory
466	13" sweet gum
467	32" persimmon
468	27" oak
469	15" oak
470	24" oak – vines
471	12" oak – vines
472	24" oak – vines
473	16" oak – vines
474	30" oak
475	17" maple
476	45" oak – vines
477	36" oak
478	26" cedar
479	12" pear
480	26" pine
481	26" pine
482	26" pine
483	22" pine
484	20" pine
485	15" maple
486	20" pine
487	17" maple
488	18" pine
489	23" pine
490	18" pine
491	12" oak
492	18" pine
493	26" oak
494	12" oak – vines
495	26" oak
496	12" oak
497	14" oak
498	15" sourwood
499	22" oak
500	12" oak
501	18" pine
502	23" oak
503	24" oak
504	17" oak
505	13" sweet gum
506	20" pine
507	20" pine
508	17" oak
509	22" oak
510	17" oak
511	13" oak
512	19" oak
513	24" oak
514	16" oak
515	21" pine
516	12" oak
517	15" tulip poplar
518	17" oak
519	25" oak
520	18" oak
521	24" pine
522	25" oak
523	25" oak
524	15" persimmon
525	15" oak
526	17" oak
527	6" sourwood
528	18" pine
529	8" sourwood
530	13" oak
531	18" pine
532	17" oak
533	12" oak
534	14" maple
535	18" pine
536	19" maple
537	18" pine
538	18" pine
539	18" pine
540	20" maple

Point Table

Point #	Raw Description
541	12" oak
542	6" sourwood
543	18" pine
544	20" pine
545	23" maple
546	14" persimmon
547	15" sourwood
548	24" pine
549	6" sourwood
550	12" persimmon
551	7" sourwood
552	18" oak
553	7" sourwood
554	14" oak
555	17" tulip poplar
556	7" sourwood
557	24" oak
558	15" oak
559	8" sourwood
560	15" oak
561	8" sourwood
562	24" pine
563	22" pine
564	22" oak
565	6" sourwood
566	19" pine
567	30" oak
568	20" pine
569	24" oak
570	20" pine
571	8" paulownia
572	18" pine
573	30" oak
574	21" pine
575	20" pine
576	32" oak
577	21" oak
578	29" oak
579	21" pine
580	24" oak
581	18" pine
582	22" pine
583	12" sweet gum
584	23" sweet gum
585	17" sweet gum
586	12" oak
587	23" oak
588	19" maple
589	45" oak
590	20" maple
591	28" pine
592	17" persimmon
593	18" pine
594	17" oak
595	15" oak
596	24" oak
597	15" oak
598	24" oak
599	11" cedar
600	20" oak
601	18" pine
602	23" oak
603	22" oak
604	18" pine
605	18" pine
606	16" maple
607	21" pine
608	15" oak
609	6" sourwood
610	20" pine
611	21" pine
612	24" oak
613	22" oak
614	19" pine
615	32" maple
616	14" oak
617	7" sourwood
618	35" tulip poplar
619	14" tulip poplar
620	12" sourwood
621	22" pine
622	15" oak
623	20" pine
624	14" oak
625	18" pine
626	14" oak
627	19" pine
628	7" sour
629	14" oak
630	9" sour

Point Table

Point #	Raw Description
631	21" pine
632	18" pine
633	9" sour
634	7" sour
635	21" maple
636	17" maple
637	13" oak
638	8" sour
639	9" sourwood
640	13" oak
641	6" sourwood
642	39" oak
643	10" sourwood
644	7" sourwood
645	25" maple
646	22" pine
647	21" pine
648	12" oak
649	18" maple
650	28" maple
651	18" oak
652	6" sourwood
653	14" maple
654	19" oak
655	25" oak
656	22" pine
657	12" oak
658	19" pine
659	7" sourwood
660	6" sourwood
661	6" sourwood
662	22" pine
663	14" oak
664	17" oak
665	18" pine
666	18" pine
667	13" sweet gum
668	18" oak
669	15" oak
670	6" sourwood
671	16" hickory
672	18" sweet gum
673	14" sweet gum
674	14" oak
675	15" oak
676	13" maple
677	21" pine
678	21" pine
679	16" maple
680	21" pine
681	13" maple
682	17" oak
683	24" tulip poplar
684	12" sweet gum
685	12" tulip poplar
686	21" pine
687	18" oak
688	13" oak
689	21" pine
690	18" pine
691	20" pine
692	14" maple
693	17" oak
694	30" oak
695	17" sweet gum
696	18" pine
697	16" sweet gum
698	17" sweet gum
699	21" oak
700	20" maple
701	19" oak
702	22" oak
703	20" oak
704	10" cedar
705	20" oak
706	12" hickory
707	13" oak
708	14" oak
709	21" oak
710	18" oak
711	6" sourwood
712	14" oak
713	23" oak
714	28" maple
715	17" oak
716	16" maple
717	21" pine
718	14" maple
719	16" oak
720	19" pine

Point Table

Point #	Raw Description
721	18" pine
722	16" oak
723	22" maple
724	13" oak
725	18" pine
726	6" sourwood
727	6" sourwood
728	12" oak
729	14" sweet gum
730	7" sourwood
731	15" maple
732	6" sourwood
733	6" sourwood
734	6" sourwood
735	13" oak
736	13" oak
737	16" oak
738	9" sourwood
739	32" maple
740	13" oak
741	6" sourwood
742	14" maple
743	12" maple
744	8" sourwood
745	6" sourwood
746	7" sourwood
747	12" oak
748	23" pine
749	10" sourwood
750	18" oak
751	13" sweet gum
752	8" sourwood
753	18" pine
754	6" sourwood
755	6" cedar
756	6" sourwood
757	30" oak
758	15" oak
759	10" sourwood
760	13" maple
761	21" oak
762	13" oak
763	12" oak
764	20" oak
765	12" maple
766	16" oak
767	18" maple
768	15" oak
769	9" sourwood
770	14" oak
771	14" oak
772	12" maple
773	15" oak
774	14" maple
775	9" sourwood
776	7" sourwood
777	19" oak
778	19" maple
779	24" oak
780	18" pine
781	13" oak
782	20" oak
783	13" oak
784	18" pine
785	14" oak
786	12" oak
787	16" oak
788	15" oak
789	12" oak
790	24" oak
791	6" sourwood
792	20" oak
793	13" oak
794	12" oak
795	22" oak
796	16" oak
797	16" oak
798	12" sweet gum
799	13" oak
800	25" oak
801	20" oak
802	9" sourwood
803	14" sweet gum
804	12" oak
805	13" tulip poplar
806	13" persimmon
807	15" oak
808	14" maple
809	15" sweet gum
810	12" oak

Point Table

Point #	Raw Description
811	19" pine
812	23" maple
813	23" sweet gum
814	23" sweet gum
815	12" sweet gum
816	17" sweet gum – vines
817	14" maple
818	13" maple
819	18" maple
820	14" maple
821	13" maple
822	12" sweet gum
823	50" sweet gum
824	12" maple
825	19" oak
826	22" sweet gum
827	12" maple
828	20" maple
829	15" maple
830	22" oak
831	20" oak
832	17" oak
833	14" maple
834	17" oak
835	12" oak
836	21" tulip poplar
837	19" hickory
838	15" oak
839	23" oak
840	17" oak
841	15" oak
842	15" oak
843	18" oak
844	12" oak
845	20" oak
846	17" oak
847	12" oak
848	35" oak
849	25" maple
850	12" maple
851	12" maple
852	7" sourwood
853	12" oak
854	12" sourwood
855	12" oak
856	18" pine
857	6" sourwood
858	13" sourwood
859	10" sourwood
860	13" oak
861	7" sourwood
862	17" oak
863	12" oak
864	20" oak
865	8" sourwood
866	6" sourwood
867	12" maple
868	6" sourwood
869	12" maple
870	19" pine
871	18" pine
872	6" sourwood
873	20" oak
874	35" oak
875	19" oak
876	8" sourwood
877	7" sourwood
878	17" oak
879	14" hickory
880	7" sourwood
881	15" oak
882	17" oak
883	6" sourwood
884	7" sourwood
885	31" oak
886	18" pine
887	18" pine
888	12" oak
889	13" hickory
890	30" oak
891	23" oak
892	21" oak
893	6" sourwood
894	7" sourwood
895	12" maple
896	23" maple
897	12" oak
898	22" oak
899	13" tulip poplar
900	13" tulip poplar

Point Table

Point #	Raw Description
901	22" oak
902	8" sourwood
903	17" oak
904	13" oak
905	6" sourwood
906	14" persimmon
907	12" persimmon
908	13" oak
909	18" oak
910	13" maple
911	12" sweet gum
912	14" maple
913	14" persimmon
914	14" persimmon
915	12" maple
916	12" maple
917	13" sweet gum
918	7" sourwood
919	16" oak
920	15" sweet gum
921	6" sourwood
922	14" oak
923	13" oak
924	18" oak
925	14" oak
926	22" sweet gum
927	30" tulip poplar
928	16" sweet gum
929	14" oak
930	12" oak
931	6" sourwood
932	16" maple
933	16" maple
934	14" oak
935	24" pine
936	21" tulip poplar
937	8" sourwood
938	19" pine
939	12" maple
940	19" pine
941	21" pine
942	7" sourwood
943	6" sourwood
944	20" pine
945	20" pine
946	18" pine
947	24" pine
948	18" pine
949	18" pine
950	19" pine
951	18" pine
952	18" pine
953	19" pine
954	21" pine
955	18" pine
956	6" cedar
957	18" pine
958	19" pine
959	18" pine
960	19" pine
961	11" cedar
962	18" pine
963	10" cedar
964	22" pine
965	18" cedar
966	18" pine
967	6" cedar
968	7" cedar
969	7" cedar
970	7" cedar
971	7" cedar
972	7" cedar
973	22" pine
974	9" cedar
975	24" pine
976	19" pine
977	18" pine
978	12" sweet gum
979	12" tulip poplar
980	12" tulip poplar
981	14" tulip poplar
982	18" pine
983	18" pine
984	19" pine
985	12" tulip poplar
986	12" tulip poplar
987	14" maple
988	14" maple
989	14" tulip poplar
990	20" pine

Point Table

Point #	Raw Description
991	20" pine
992	28" tulip poplar
993	21" oak
994	15" maple
995	31" tulip poplar
996	6" hornbeam
997	20" pine
998	18" pine
999	17" oak
1000	14" oak
1001	18" pine
1002	18" pine
1003	32" pine
1004	19" tulip poplar
1005	11" holly
1006	9" holly
1007	14" tulip poplar
1008	18" oak
1009	13" maple
1010	13" oak
1011	30" oak
1012	12" maple
1013	23" tulip poplar
1014	16" oak
1015	14" maple
1016	14" maple
1017	12" maple
1018	12" sweet gum
1019	21" pine
1020	6" hornbeam
1021	24" oak
1022	26" hickory
1023	27" oak
1024	20" tulip poplar
1025	20" maple
1026	15" sweet gum
1027	29" tulip poplar
1028	9" hornbeam
1029	7" holly
1030	6" sourwood
1031	28" sweet gum
1032	30" oak
1033	17" oak
1034	14" oak
1035	19" pine
1036	18" pine
1037	30" maple
1038	12" tulip poplar
1039	21" oak
1040	18" pine
1041	18" pine
1042	20" tulip poplar
1043	23" oak
1044	19" pine
1045	18" oak
1046	12" oak
1047	14" oak
1048	13" oak
1049	19" pine
1050	19" oak
1051	12" oak
1052	42" oak
1053	20" pine
1054	18" oak
1055	17" oak
1056	15" oak
1057	14" oak
1058	14" maple
1059	16" oak
1060	12" oak
1061	17" tulip poplar
1062	13" tulip poplar
1063	14" oak
1064	12" oak
1065	12" oak
1066	16" tulip poplar
1067	12" maple
1068	28" oak
1069	20" pine
1070	19" pine
1071	23" pine
1072	12" maple
1073	14" maple
1074	21" pine
1075	18" sweet gum
1076	20" pine
1077	13" oak
1078	6" sourwood
1079	14" oak
1080	9" sourwood

Point Table

Point #	Raw Description
1081	6" sourwood
1082	18" pine
1083	18" pine
1084	7" sourwood
1085	13" oak
1086	6" sourwood
1087	20" oak
1088	12" sweet gum
1089	8" sourwood
1090	7" sourwood
1091	12" maple
1092	14" tulip poplar
1093	9" sourwood
1094	19" pine
1095	12" sweet gum
1096	9" sourwood
1097	8" sourwood
1098	18" pine
1099	7" sourwood
1100	18" oak
1101	8" sourwood
1102	20" tulip poplar
1103	9" sourwood
1104	20" pine
1105	21" pine
1106	17" tulip poplar
1107	21" pine
1108	6" sourwood
1109	6" sourwood
1110	19" pine
1111	12" hickory
1112	20" tulip poplar
1113	12" maple
1114	8" sourwood
1115	18" tulip poplar
1116	9" sourwood
1117	19" pine
1118	9" sourwood
1119	12" sourwood
1120	20" tulip poplar
1121	13" sweet gum
1122	19" oak
1123	21" tulip poplar
1124	9" sourwood
1125	18" oak
1126	7" sourwood
1127	16" oak
1128	8" sourwood
1129	20" pine
1130	10" sourwood
1131	7" sourwood
1132	18" oak
1133	6" sourwood
1134	18" pine
1135	20" tulip poplar
1136	11" sourwood
1137	15" oak
1138	9" sourwood
1139	16" tulip poplar
1140	18" pine
1141	8" sourwood
1142	18" pine
1143	18" pine
1144	18" pine
1145	18" pine
1146	18" pine
1147	18" pine
1148	6" sourwood
1149	13" sweet gum
1150	9" sourwood
1151	27" tulip poplar
1152	17" tulip poplar
1153	22" pine
1154	21" pine
1155	17" oak
1156	12" sourwood
1157	21" pine
1158	7" sourwood
1159	28" tulip poplar
1160	8" sourwood
1161	7" sourwood
1162	6" sourwood
1163	12" oak
1164	9" sourwood
1165	13" sweet gum
1166	12" sweet gum
1167	18" pine
1168	20" pine
1169	14" sweet gum
1170	24" pine

Point Table

Point #	Raw Description
1171	24" pine
1172	10" sourwood
1173	25" tulip poplar
1174	25" oak
1175	7" sourwood
1176	8" sourwood
1177	28" tulip poplar
1178	19" pine
1179	18" pine
1180	18" pine
1181	15" tulip poplar
1182	12" tulip poplar
1183	18" pine
1184	20" pine
1185	15" tulip poplar
1186	23" tulip poplar
1187	23" pine
1188	27" pine
1189	6" sourwood
1190	12" tulip poplar
1191	23" pine
1192	23" tulip poplar – vines
1193	15" tulip poplar
1194	22" pine
1195	13" tulip poplar
1196	12" tulip poplar
1197	14" tulip poplar
1198	29" tulip poplar
1199	22" tulip poplar
1200	12" elm
1201	27" pine
1202	23" pine
1203	22" pine
1204	21" pine
1205	18" pine
1206	24" pine
1207	12" tulip poplar
1208	16" tulip poplar
1209	20" tulip poplar
1210	15" tulip poplar
1211	23" pine
1212	26" pine
1213	18" pine
1214	22" pine
1215	24" pine
1216	14" tulip poplar
1217	16" tulip poplar
1218	16" tulip poplar
1219	18" oak
1220	6" hornbeam
1221	35" pine
1222	14" oak
1223	18" sweet gum
1224	12" sweet gum
1225	28" pine
1226	27" sweet gum – vines
1227	28" pine
1228	13" sweet gum
1229	15" sweet gum
1230	27" pine
1231	14" sweet gum
1232	21" tulip poplar
1233	14" sweet gum
1234	27" pine
1235	24" pine
1236	15" sweet gum
1237	20" pine
1238	23" pine
1239	22" tulip poplar
1240	18" oak
1241	19" pine
1242	18" pine
1243	24" pine
1244	18" pine
1245	24" pine
1246	18" tulip poplar
1247	21" tulip poplar
1248	19" tulip poplar
1249	20" tulip poplar
1250	17" tulip poplar
1251	6" hornbeam
1252	18" pine
1253	18" pine
1254	27" pine
1255	20" maple
1256	44" tulip poplar
1257	14" sweet gum
1258	18" pine
1259	19" pine
1260	22" pine

Point Table

Point #	Raw Description
1261	7" sourwood
1262	12" tulip poplar
1263	19" pine
1264	19" pine
1265	19" pine
1266	21" pine
1267	21" pine
1268	18" pine
1269	18" pine
1270	18" pine
1271	18" pine
1272	6" sourwood
1273	18" pine
1274	18" pine
1275	12" sweet gum
1276	18" pine
1277	18" pine
1278	23" pine
1279	18" pine
1280	18" pine
1281	22" pine
1282	18" pine
1283	18" pine
1284	18" pine
1285	6" sourwood
1286	6" sourwood
1287	14" sweet gum
1288	13" sweet gum
1289	14" sweet gum
1290	19" pine
1291	16" tulip poplar
1292	20" pine
1293	18" pine
1294	18" pine
1295	18" pine
1296	10" sourwood
1297	6" sourwood
1298	9" maple
1299	13" maple
1300	9" sourwood
1301	6" sourwood
1302	8" sourwood
1303	18" pine
1304	18" pine
1305	16" maple
1306	31" maple
1307	6" sourwood
1308	18" pine
1309	6" sourwood
1310	18" sourwood
1311	15" oak
1312	9" sourwood
1313	18" pine
1314	18" pine
1315	18" pine
1316	19" pine
1317	18" pine
1318	6" sourwood
1319	8" sourwood
1320	8" sourwood
1321	13" oak
1322	23" maple
1323	18" pine
1324	8" sourwood
1325	18" pine
1326	18" maple
1327	6" sourwood
1328	6" sourwood
1329	6" sourwood
1330	9" sourwood
1331	15" maple
1332	15" maple
1333	18" pine
1334	18" pine
1335	15" tulip poplar
1336	18" pine
1337	18" pine
1338	19" tulip poplar
1339	13" maple
1340	18" maple
1341	6" sourwood
1342	12" maple
1343	20" pine
1344	22" maple
1345	18" pine
1346	20" pine
1347	19" pine
1348	6" sourwood
1349	19" pine
1350	18" pine

Point Table

Point #	Raw Description
1351	18" pine
1352	18" pine
1353	20" pine
1354	18" pine
1355	18" pine
1356	18" pine
1357	19" pine
1358	14" tulip poplar
1359	18" pine
1360	18" pine
1361	12" tulip poplar
1362	21" pine
1363	18" pine
1364	18" pine
1365	18" pine
1366	12" tulip poplar
1367	20" pine
1368	18" pine
1369	18" pine
1370	18" pine
1371	12" tulip poplar
1372	18" pine
1373	6" sourwood
1374	18" pine

PLAN PREPARED BY:

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ENGINEERS SURVEYORS

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202 E WINMORE AVE.
CHAPEL HILL, NC 27516-8430
PHONE: 919.942.8005

HOMESTEAD ROAD, CHAPEL HILL, NC – ORANGE COUNTY

MERIN ROAD COMMUNITY

SPECIAL USE PERMIT PLANS
FOR
CAPKOV VENTURES, INC.

LANDSCAPE PROTECTION PLAN

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL [illegible] CAMERON M. RICE
PRELIMINARY
11/11/2015

Issue Dates:
06/29/2015 – Initial Submittal
09/11/2015 – Response to 1st Review Comments
11/11/2015 – Removed Merin Rd Access

Date: 11/11/2015
Scale: NOT TO SCALE

Drawn By: CMR
Checked By: JDW

Project Number:
14–0001–651

Drawing Number:
8D / 12

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