

EXHIBIT 5

LONDONDERRY PLANNING BOARD  
SUBDIVISION APPLICATION & CHECKLIST

Design Review     Formal Application

All information provided and submitted with this Application Checklist shall conform to the Londonderry Site Plan Regulations. **Please note that the Planning Board may not accept and consider the application complete if the required items as outlined in the checklist are missing from the submittal.**

**I. General Information:**

A. Name of Project: \_\_\_\_\_

B. Location of Project: \_\_\_\_\_ (street)                      \_\_\_\_\_ (Map)                      \_\_\_\_\_ (lot)

\_\_\_\_\_ (zoning)

C. Owner:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Signature: \_\_\_\_\_

D. Applicant:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Signature: \_\_\_\_\_

E. Design Firm:  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_

F. Name of Licensed Land Surveyor: \_\_\_\_\_  
 (in responsible charge)

Signature: \_\_\_\_\_

G. Name of Licensed Professional Engineer: \_\_\_\_\_  
 (in responsible charge)

Signature: \_\_\_\_\_

H. Name of Certified Soil Scientist: \_\_\_\_\_

I. Name of Certified Wetland Scientist: \_\_\_\_\_

J. Date of Submittal to Planning Department: \_\_\_\_\_

**II. General Requirements (All Applications):**

	Provided	N/A
1. Executed Subdivision Formal Application Request Form (Exhibit 2)	<input type="checkbox"/>	<input type="checkbox"/>
2. Executed Subdivision Design Review Request Form (Exhibit 3)	<input type="checkbox"/>	<input type="checkbox"/>
3. Complete abutters list	<input type="checkbox"/>	<input type="checkbox"/>
4. All Required Fees	<input type="checkbox"/>	<input type="checkbox"/>
5. Four (4) sets of plans and electronic "PDF" plans (12 sets if electronic plans not possible) submitted with all required information in accordance with the site plan regulations and this checklist	<input type="checkbox"/>	<input type="checkbox"/>
6. Copies of any proposed easement deeds, protective Covenants or other legal documents	<input type="checkbox"/>	<input type="checkbox"/>
7. Any waiver request(s) submitted with justification in writing	<input type="checkbox"/>	<input type="checkbox"/>
8. Technical reports and supporting documents (see Sections X & XI of this checklist)	<input type="checkbox"/>	<input type="checkbox"/>
9. Completed Subdivision Application Checklist	<input type="checkbox"/>	<input type="checkbox"/>

	Provided	N/A
10. Letter explaining how DRC comments have been addressed and two (2) sets of highlighted, revised drawings (applicable if pre-application design review process was followed).	<input type="checkbox"/>	<input type="checkbox"/>
<b>III. General Plan Information (All Plans):</b>		
1. Size and presentation of sheet(s) per requirements of the subdivision regulations	<input type="checkbox"/>	<input type="checkbox"/>
2. Title block information:		
a. Drawing title	<input type="checkbox"/>	<input type="checkbox"/>
b. Name of site plan	<input type="checkbox"/>	<input type="checkbox"/>
c. Location of site plan	<input type="checkbox"/>	<input type="checkbox"/>
d. Tax map & lot #s of subject parcel(s)	<input type="checkbox"/>	<input type="checkbox"/>
e. Name & address of owner(s)	<input type="checkbox"/>	<input type="checkbox"/>
f. Date of plan	<input type="checkbox"/>	<input type="checkbox"/>
g. Scale of plan	<input type="checkbox"/>	<input type="checkbox"/>
h. Sheet number	<input type="checkbox"/>	<input type="checkbox"/>
i. Name, address, & telephone number of design firm	<input type="checkbox"/>	<input type="checkbox"/>
j. Name and address of Applicant	<input type="checkbox"/>	<input type="checkbox"/>
3. Revision block	<input type="checkbox"/>	<input type="checkbox"/>
4. Planning Board approval block provided on appropriate sheets (Cover sheet, boundary plans only)	<input type="checkbox"/>	<input type="checkbox"/>
5. Certification block (for engineer, surveyor, soil scientist, or wetland scientist)	<input type="checkbox"/>	<input type="checkbox"/>
6. Match lines (if any)	<input type="checkbox"/>	<input type="checkbox"/>
<b>IV. Title Sheet:</b>		
(may be consolidated with Boundary Plan)		
1. The following notes shall be provided:		
a. Purpose of plan	<input type="checkbox"/>	<input type="checkbox"/>
b. Tax map and lot #s of all subject parcels	<input type="checkbox"/>	<input type="checkbox"/>
c. Area (existing & proposed) of subject parcel(s)	<input type="checkbox"/>	<input type="checkbox"/>
d. Zoning designation of subject parcel(s)	<input type="checkbox"/>	<input type="checkbox"/>
e. Min. lot area, frontages & setback dimensions	<input type="checkbox"/>	<input type="checkbox"/>
f. Existing and proposed use	<input type="checkbox"/>	<input type="checkbox"/>
g. Sanitary sewer source (name of provider (company) if offsite)	<input type="checkbox"/>	<input type="checkbox"/>
h. Water supply source (name of provider (company) if offsite)	<input type="checkbox"/>	<input type="checkbox"/>
i. Zoning variances/special exceptions with conditions	<input type="checkbox"/>	<input type="checkbox"/>
j. List FEMA sheet(s) used to identify 100-year flood elevation. (Note if no flood zone present as applicable)	<input type="checkbox"/>	<input type="checkbox"/>
k. List of required permits and permit approval numbers	<input type="checkbox"/>	<input type="checkbox"/>
l. List of Planning Board waivers (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>
m. Note identifying # of bedrooms per dwelling for residential use	<input type="checkbox"/>	<input type="checkbox"/>

		Provided	N/A
n.	Phasing notes, as required, under Section 4.18i as applicable	<input type="checkbox"/>	<input type="checkbox"/>
o.	Note identifying which plans are to be recorded and which are on file at the town	<input type="checkbox"/>	<input type="checkbox"/>
p.	Note the following: "If, during construction, it becomes apparent that deficiencies exist in the approved design drawings, the Owner shall be required to correct the deficiencies to meet the requirements of the regulations at no expense to the Town."	<input type="checkbox"/>	<input type="checkbox"/>
q.	Note the following: "If, during construction, it becomes apparent that additional erosion control measures are required to stop any erosion on the construction site due to actual site conditions, the Owner shall be required to install the necessary erosion protection at no expense to the Town."	<input type="checkbox"/>	<input type="checkbox"/>
r.	Note the following: "All materials and methods of construction shall conform to Town of Londonderry Subdivision Regulations and the latest edition of the New Hampshire Department of Transportation's Standard Specifications for Road & Bridge Construction."	<input type="checkbox"/>	<input type="checkbox"/>

2.	Tax map sketch plan (or detail) showing proposed lot configuration at a scale 1" = 400'	<input type="checkbox"/>	<input type="checkbox"/>
3.	Vicinity plan (at a scale of 1"=2500')	<input type="checkbox"/>	<input type="checkbox"/>
4.	Plan index indicating all sheets	<input type="checkbox"/>	<input type="checkbox"/>

**V. Boundary Plan (Subdivision, Consolidation and Lot Line Adjustment:**

1.	Surveyor's certification stamped and signed by LLS	<input type="checkbox"/>	<input type="checkbox"/>
2.	Boundary of entire property by metes and bounds	<input type="checkbox"/>	<input type="checkbox"/>
3.	Proposed lot configuration defined by metes and bounds	<input type="checkbox"/>	<input type="checkbox"/>
4.	Boundary monuments:		
	a. Monuments found	<input type="checkbox"/>	<input type="checkbox"/>
	b. Monuments to be set	<input type="checkbox"/>	<input type="checkbox"/>
5.	Map # and Lot #, name addresses, and zoning of all abutting land owners	<input type="checkbox"/>	<input type="checkbox"/>
6.	Existing streets:		
	a. Name labeled	<input type="checkbox"/>	<input type="checkbox"/>
	b. Status noted or labeled	<input type="checkbox"/>	<input type="checkbox"/>
	c. Right-of-way dimensioned	<input type="checkbox"/>	<input type="checkbox"/>
	d. Pavement width dimensioned	<input type="checkbox"/>	<input type="checkbox"/>
7.	Municipal boundaries (if any)	<input type="checkbox"/>	<input type="checkbox"/>
8.	Existing easements (identified by type)	<input type="checkbox"/>	<input type="checkbox"/>

		Provided	N/A
9.	Proposed easements defined by metes & bounds. Check each type of proposed easement applicable to this application:		
	a. Drainage easement(s)	<input type="checkbox"/>	<input type="checkbox"/>
	b. Slope easement(s)	<input type="checkbox"/>	<input type="checkbox"/>
	c. Utility easement(s)	<input type="checkbox"/>	<input type="checkbox"/>
	d. Temporary easement(s) (such as temporary turnaround)	<input type="checkbox"/>	<input type="checkbox"/>
	e. No-cut zone(s), including those along streams & wetlands (as may be requested by the Conservation Commission)	<input type="checkbox"/>	<input type="checkbox"/>
	f. Vehicular & pedestrian access easement(s)	<input type="checkbox"/>	<input type="checkbox"/>
	g. Visibility easements	<input type="checkbox"/>	<input type="checkbox"/>
	h. Fire pond/cistern easement(s)	<input type="checkbox"/>	<input type="checkbox"/>
	i. Roadway widening easement(s)	<input type="checkbox"/>	<input type="checkbox"/>
	j. Walking trail easement(s)	<input type="checkbox"/>	<input type="checkbox"/>
	k. Other easement(s) _____ Note type(s) _____	<input type="checkbox"/>	<input type="checkbox"/>
10.	Designation of each proposed lot (by map & lot #s as provided by the assessor)	<input type="checkbox"/>	<input type="checkbox"/>
11.	Area of each lot (in acres & square feet):		
	a. Existing lot(s)	<input type="checkbox"/>	<input type="checkbox"/>
	b. Proposed lot(s)	<input type="checkbox"/>	<input type="checkbox"/>
12.	North Arrow	<input type="checkbox"/>	<input type="checkbox"/>
13.	Locus map (at a scale of 1" = 2,500)	<input type="checkbox"/>	<input type="checkbox"/>
14.	Limits of wetlands & CO District Boundary	<input type="checkbox"/>	<input type="checkbox"/>
15.	Wetland delineation:		
	a. Wetland delineation criteria & Certification	<input type="checkbox"/>	<input type="checkbox"/>
16.	Owner(s) signature(s)	<input type="checkbox"/>	<input type="checkbox"/>
17.	Proposed streets:		
	a. Name(s) labeled	<input type="checkbox"/>	<input type="checkbox"/>
	b. Width of right-of-way dimensioned	<input type="checkbox"/>	<input type="checkbox"/>
18.	All required setbacks (including any applicable buffers)	<input type="checkbox"/>	<input type="checkbox"/>
19.	Physical features:		
	a. Existing features --		
	Buildings	<input type="checkbox"/>	<input type="checkbox"/>
	Wells	<input type="checkbox"/>	<input type="checkbox"/>
	Septic systems	<input type="checkbox"/>	<input type="checkbox"/>
	Stonewalls	<input type="checkbox"/>	<input type="checkbox"/>
	Paved drives	<input type="checkbox"/>	<input type="checkbox"/>
	Gravel drives	<input type="checkbox"/>	<input type="checkbox"/>
20.	Location & name (if any) of any streams or waterbodies	<input type="checkbox"/>	<input type="checkbox"/>
21.	Location & elevation(s) of 100-year flood zone per FEMA Flood Insurance Study or as determined by drainage study	<input type="checkbox"/>	<input type="checkbox"/>
22.	Location of existing overhead utility lines, poles, towers, etc.	<input type="checkbox"/>	<input type="checkbox"/>

	Provided	N/A
23. Plan and deed references	<input type="checkbox"/>	<input type="checkbox"/>
24. Zoning District boundary lines (if any)	<input type="checkbox"/>	<input type="checkbox"/>
<b>VI. Topographical/HISS Plan Requirements):</b>		
1. Surveyor's stamp and signature by LLS	<input type="checkbox"/>	<input type="checkbox"/>
2. Boundary of entire property to be subdivided	<input type="checkbox"/>	<input type="checkbox"/>
3. Proposed lot configuration defined by metes and bounds	<input type="checkbox"/>	<input type="checkbox"/>
4. Boundary monuments:		
a. Monuments found	<input type="checkbox"/>	<input type="checkbox"/>
b. Monuments to be set	<input type="checkbox"/>	<input type="checkbox"/>
5. Map # and lot #, name addresses, and zoning of all abutting land owners	<input type="checkbox"/>	<input type="checkbox"/>
6. Existing streets:		
a. Name labeled	<input type="checkbox"/>	<input type="checkbox"/>
b. Status noted or labeled	<input type="checkbox"/>	<input type="checkbox"/>
c. Right-of-way dimensioned	<input type="checkbox"/>	<input type="checkbox"/>
d. Pavement width dimensioned	<input type="checkbox"/>	<input type="checkbox"/>
7. Municipal boundaries (if any)	<input type="checkbox"/>	<input type="checkbox"/>
8. Existing easements (identified by type)	<input type="checkbox"/>	<input type="checkbox"/>
9. Proposed easements defined by metes & bounds. Check each type of proposed easement applicable to this application:		
a. Drainage easement(s)	<input type="checkbox"/>	<input type="checkbox"/>
b. Slope easement(s)	<input type="checkbox"/>	<input type="checkbox"/>
c. Utility easement(s)	<input type="checkbox"/>	<input type="checkbox"/>
d. Temporary easement(s) (such as temporary turnaround)	<input type="checkbox"/>	<input type="checkbox"/>
e. No-cut zone(s) along streams & wetlands (as may be requested by the Conservation Commission)	<input type="checkbox"/>	<input type="checkbox"/>
f. Vehicular & pedestrian access easement(s)	<input type="checkbox"/>	<input type="checkbox"/>
g. Visibility easements	<input type="checkbox"/>	<input type="checkbox"/>
h. Fire pond/cistern easement(s)	<input type="checkbox"/>	<input type="checkbox"/>
i. Roadway widening easement(s)	<input type="checkbox"/>	<input type="checkbox"/>
j. Walking trail easement(s)	<input type="checkbox"/>	<input type="checkbox"/>
k. Other easement(s) _____ Note type(s) _____	<input type="checkbox"/>	<input type="checkbox"/>
10. Designation of each proposed lot (by map & lot #s as provided by the assessor)	<input type="checkbox"/>	<input type="checkbox"/>
11. Area of each lot (in acres & square feet):		
a. Existing lot(s)	<input type="checkbox"/>	<input type="checkbox"/>
b. Proposed lot(s)	<input type="checkbox"/>	<input type="checkbox"/>
12. North arrow	<input type="checkbox"/>	<input type="checkbox"/>

	Provided	N/A
13. Locus map (at a scale of 1" = 2,500) shown	<input type="checkbox"/>	<input type="checkbox"/>
14. Limits of wetlands	<input type="checkbox"/>	<input type="checkbox"/>
15. Wetland delineation:		
a. Wetland delineation criteria	<input type="checkbox"/>	<input type="checkbox"/>
b. Wetland scientist certification	<input type="checkbox"/>	<input type="checkbox"/>
16. Owner(s) signature(s)	<input type="checkbox"/>	<input type="checkbox"/>
17. Proposed streets:		
a. Name(s) labeled	<input type="checkbox"/>	<input type="checkbox"/>
b. Width of right-of-way dimensioned	<input type="checkbox"/>	<input type="checkbox"/>
c. Pavement width dimensioned	<input type="checkbox"/>	<input type="checkbox"/>
18. All required setbacks (including any applicable buffers)	<input type="checkbox"/>	<input type="checkbox"/>
19. Physical features (Existing Features):		
a. Buildings	<input type="checkbox"/>	<input type="checkbox"/>
b. Wells	<input type="checkbox"/>	<input type="checkbox"/>
c. Septic systems	<input type="checkbox"/>	<input type="checkbox"/>
d. Stone walls	<input type="checkbox"/>	<input type="checkbox"/>
e. Paved drives	<input type="checkbox"/>	<input type="checkbox"/>
f. Gravel drives	<input type="checkbox"/>	<input type="checkbox"/>
20. Location & name (if any) of any streams or waterbodies	<input type="checkbox"/>	<input type="checkbox"/>
21. Location & elevation(s) of 100-year flood zone per FEMA Flood Insurance Study or as determined by drainage study	<input type="checkbox"/>	<input type="checkbox"/>
22. Location of existing overhead utility lines, poles, towers, etc.	<input type="checkbox"/>	<input type="checkbox"/>
23. Plan and deed references	<input type="checkbox"/>	<input type="checkbox"/>
24. Two-foot contour interval topography shown over all subject parcels	<input type="checkbox"/>	<input type="checkbox"/>
25. Source and datum of topographic information (USGS required)	<input type="checkbox"/>	<input type="checkbox"/>
26. Show at least one benchmark per sheet (min.) and per 5 acres (min.) of total site area	<input type="checkbox"/>	<input type="checkbox"/>
27. USDA-SCS soil survey information (where municipal sewer is to be provided)	<input type="checkbox"/>	<input type="checkbox"/>
28. Location, type, size & inverts of the following (as applicable):		
a. Existing water systems	<input type="checkbox"/>	<input type="checkbox"/>
b. Existing sewer systems	<input type="checkbox"/>	<input type="checkbox"/>
c. Existing drainage systems	<input type="checkbox"/>	<input type="checkbox"/>
d. Existing utilities	<input type="checkbox"/>	<input type="checkbox"/>

		Provided	N/A
29.	4K Areas with test pits on all proposed lots (meeting NHDES & Town setback requirements)	<input type="checkbox"/>	<input type="checkbox"/>
30.	Location of all water wells with protective radii as required by the NHDES (meeting Town and NHDES setback requirements)	<input type="checkbox"/>	<input type="checkbox"/>
31.	Existing treelines	<input type="checkbox"/>	<input type="checkbox"/>
32.	Existing ledge outcroppings & other significant natural features	<input type="checkbox"/>	<input type="checkbox"/>
33.	HISS requirements:		
	a. Criteria for HISS delineation	<input type="checkbox"/>	<input type="checkbox"/>
	b. Soil scientist certification on plan (if HISS required)	<input type="checkbox"/>	<input type="checkbox"/>
	c. HISS mapping shown over all subject parcels (where no municipal sewer exists)	<input type="checkbox"/>	<input type="checkbox"/>
34.	Plan as submitted to the NHDES	<input type="checkbox"/>	<input type="checkbox"/>

**VII. Improvement Plans (Stamped by Engineer Licensed in NH):**

1.	Grading and Drainage:		
	a. Existing topography (two-foot contour interval minimum)	<input type="checkbox"/>	<input type="checkbox"/>
	b. Proposed contours	<input type="checkbox"/>	<input type="checkbox"/>
	c. Existing spot elevations	<input type="checkbox"/>	<input type="checkbox"/>
	d. Proposed spot elevations	<input type="checkbox"/>	<input type="checkbox"/>
	e. Existing edge of pavement	<input type="checkbox"/>	<input type="checkbox"/>
	f. Proposed edge of pavement	<input type="checkbox"/>	<input type="checkbox"/>
	g. Existing curb line	<input type="checkbox"/>	<input type="checkbox"/>
	h. Proposed curb line	<input type="checkbox"/>	<input type="checkbox"/>
	i. Existing buildings and structures	<input type="checkbox"/>	<input type="checkbox"/>
	j. Proposed buildings and structures	<input type="checkbox"/>	<input type="checkbox"/>
	k. Existing retaining walls	<input type="checkbox"/>	<input type="checkbox"/>
	l. Proposed retaining walls	<input type="checkbox"/>	<input type="checkbox"/>
	m. Existing stone walls	<input type="checkbox"/>	<input type="checkbox"/>
	n. Reconstructed stone walls	<input type="checkbox"/>	<input type="checkbox"/>
	o. Existing treeline	<input type="checkbox"/>	<input type="checkbox"/>
	p. Proposed treeline	<input type="checkbox"/>	<input type="checkbox"/>
	q. Benchmarks	<input type="checkbox"/>	<input type="checkbox"/>
	r. Existing drainage systems:		
	1.) Pipes/culverts (each location):		
	i. Type	<input type="checkbox"/>	<input type="checkbox"/>
	ii. Size	<input type="checkbox"/>	<input type="checkbox"/>
	iii. Length and slope	<input type="checkbox"/>	<input type="checkbox"/>
	iv. Inverts	<input type="checkbox"/>	<input type="checkbox"/>
	v. End sections/Headwalls	<input type="checkbox"/>	<input type="checkbox"/>
	2.) Structures (catchbasins, drain manholes, special structures):		
	i. Location (sta. and off-set)	<input type="checkbox"/>	<input type="checkbox"/>
	ii. Type	<input type="checkbox"/>	<input type="checkbox"/>
	iii. Size	<input type="checkbox"/>	<input type="checkbox"/>
	iv. Rim Elevations	<input type="checkbox"/>	<input type="checkbox"/>
	v. Inverts	<input type="checkbox"/>	<input type="checkbox"/>

		Provided	N/A
3.)	Swales/Ditches/Waterways:		
	i. Flow arrows (direction of flow)	<input type="checkbox"/>	<input type="checkbox"/>
	ii. Topography	<input type="checkbox"/>	<input type="checkbox"/>
	iii. Spot elevations	<input type="checkbox"/>	<input type="checkbox"/>
t.	Proposed Drainage Systems:		
1.)	Pipes/culverts (each location):		
	i. Type	<input type="checkbox"/>	<input type="checkbox"/>
	ii. Size	<input type="checkbox"/>	<input type="checkbox"/>
	iii. Length and slope	<input type="checkbox"/>	<input type="checkbox"/>
	iv. Inverts	<input type="checkbox"/>	<input type="checkbox"/>
	v. End sections/headwalls	<input type="checkbox"/>	<input type="checkbox"/>
	vi. Identify minimum cover and location	<input type="checkbox"/>	<input type="checkbox"/>
	vii. Outlet erosion protection	<input type="checkbox"/>	<input type="checkbox"/>
2.)	Structures (catchbasins, drain manholes, special structures):		
	i. Location (sta. and off-set)	<input type="checkbox"/>	<input type="checkbox"/>
	ii. Type	<input type="checkbox"/>	<input type="checkbox"/>
	iii. Size	<input type="checkbox"/>	<input type="checkbox"/>
	iv. Rim elevations	<input type="checkbox"/>	<input type="checkbox"/>
	v. Inverts	<input type="checkbox"/>	<input type="checkbox"/>
3.)	Swales/ditches/waterways:		
	i. Flow arrows (direction of flow)	<input type="checkbox"/>	<input type="checkbox"/>
	ii. Grading	<input type="checkbox"/>	<input type="checkbox"/>
	iii. Spot elevations	<input type="checkbox"/>	<input type="checkbox"/>
	iv. Erosion protection (riprap, matting, etc.)	<input type="checkbox"/>	<input type="checkbox"/>
u.	Temporary erosion protection during construction:		
1.)	Silt fence, haybales, etc.	<input type="checkbox"/>	<input type="checkbox"/>
2.)	Matting, mulch, etc.	<input type="checkbox"/>	<input type="checkbox"/>
2.	Utilities:		
a.	Existing sanitary sewer system:		
1.)	Pipes:		
	i. Type	<input type="checkbox"/>	<input type="checkbox"/>
	ii. Size	<input type="checkbox"/>	<input type="checkbox"/>
	iii. Length and slope	<input type="checkbox"/>	<input type="checkbox"/>
2.)	Structures:		
	i. Location (sta. and off-set)	<input type="checkbox"/>	<input type="checkbox"/>
	ii. Type	<input type="checkbox"/>	<input type="checkbox"/>
	iii. Size	<input type="checkbox"/>	<input type="checkbox"/>
	iv. Rim elevations	<input type="checkbox"/>	<input type="checkbox"/>
	v. Inverts	<input type="checkbox"/>	<input type="checkbox"/>
b.	Proposed sanitary sewer system:		
1.)	Pipes (gravity):		
	i. Type	<input type="checkbox"/>	<input type="checkbox"/>
	ii. Size	<input type="checkbox"/>	<input type="checkbox"/>
	iii. Length and slope	<input type="checkbox"/>	<input type="checkbox"/>
	iv. Separation (18" below water)	<input type="checkbox"/>	<input type="checkbox"/>
	v. Identify minimum cover and locations	<input type="checkbox"/>	<input type="checkbox"/>

		Provided	N/A
2.)	Force Main:		
	i. Type	<input type="checkbox"/>	<input type="checkbox"/>
	ii. Size	<input type="checkbox"/>	<input type="checkbox"/>
	iii. Direction of flow (flow arrows)	<input type="checkbox"/>	<input type="checkbox"/>
	iv. Bends and thrust blocking	<input type="checkbox"/>	<input type="checkbox"/>
	v. Air relief valves and structures	<input type="checkbox"/>	<input type="checkbox"/>
	vi. Clean-out structures	<input type="checkbox"/>	<input type="checkbox"/>
	vii. Identify minimum cover and locations	<input type="checkbox"/>	<input type="checkbox"/>
3.)	Structures:		
	i. Location (sta. and off-set)	<input type="checkbox"/>	<input type="checkbox"/>
	ii. Type	<input type="checkbox"/>	<input type="checkbox"/>
	iii. Size	<input type="checkbox"/>	<input type="checkbox"/>
	iv. Rim elevations	<input type="checkbox"/>	<input type="checkbox"/>
	v. Inverts	<input type="checkbox"/>	<input type="checkbox"/>
4.)	Service laterals to each individual lot:		
	i. Type	<input type="checkbox"/>	<input type="checkbox"/>
	ii. Size	<input type="checkbox"/>	<input type="checkbox"/>
	iii. Length and slope	<input type="checkbox"/>	<input type="checkbox"/>
	iv. Separation (18" below water)	<input type="checkbox"/>	<input type="checkbox"/>
	v. Minimum cover and locations identified	<input type="checkbox"/>	<input type="checkbox"/>
	vi. Location of connection	<input type="checkbox"/>	<input type="checkbox"/>
c.	Existing Water System:		
1.)	Pipes:		
	i. Type	<input type="checkbox"/>	<input type="checkbox"/>
	ii. Size	<input type="checkbox"/>	<input type="checkbox"/>
2.)	Hydrants	<input type="checkbox"/>	<input type="checkbox"/>
3.)	Valves	<input type="checkbox"/>	<input type="checkbox"/>
4.)	Bends and thrust blocks	<input type="checkbox"/>	<input type="checkbox"/>
5.)	Tees	<input type="checkbox"/>	<input type="checkbox"/>
d.	Proposed Water System:		
1.)	Pipes:		
	i. Type	<input type="checkbox"/>	<input type="checkbox"/>
	ii. Size	<input type="checkbox"/>	<input type="checkbox"/>
2.)	Hydrants		
	i. Locations approved by Fire Department	<input type="checkbox"/>	<input type="checkbox"/>
3.)	Valves	<input type="checkbox"/>	<input type="checkbox"/>
4.)	Bends and thrust blocks	<input type="checkbox"/>	<input type="checkbox"/>
5.)	Tees	<input type="checkbox"/>	<input type="checkbox"/>
e.	Existing Gas Lines:		
1.)	Pipes:		
	i. Type	<input type="checkbox"/>	<input type="checkbox"/>
	ii. Size	<input type="checkbox"/>	<input type="checkbox"/>
2.)	Valves	<input type="checkbox"/>	<input type="checkbox"/>
f.	Proposed Gas Lines:		
1.)	Pipes:		
	i. Type	<input type="checkbox"/>	<input type="checkbox"/>
	ii. Size	<input type="checkbox"/>	<input type="checkbox"/>
2.)	Valves	<input type="checkbox"/>	<input type="checkbox"/>

	Provided	N/A
3.) Services to each lot	<input type="checkbox"/>	<input type="checkbox"/>
g. Telephone/Electrical/Cable:		
1.) U-poles	<input type="checkbox"/>	<input type="checkbox"/>
2.) Pedestals/transformers	<input type="checkbox"/>	<input type="checkbox"/>
3.) Overhead lines	<input type="checkbox"/>	<input type="checkbox"/>
4.) Underground lines	<input type="checkbox"/>	<input type="checkbox"/>
5.) Services to each lot	<input type="checkbox"/>	<input type="checkbox"/>
3. Roadways:		
a. Plan and profile drawings (stamped by engineer licensed in NH)	<input type="checkbox"/>	<input type="checkbox"/>
1.) All items required above under a. Grading and Drainage	<input type="checkbox"/>	<input type="checkbox"/>
2.) All items required above under b. Utilities	<input type="checkbox"/>	<input type="checkbox"/>
3.) Profile grid (station and elevation) with horizontal To vertical scale (ratio = 10:1) and datum	<input type="checkbox"/>	<input type="checkbox"/>
4.) Existing grade profile	<input type="checkbox"/>	<input type="checkbox"/>
5.) Proposed profile:		
i. PVIs (station and elevation)	<input type="checkbox"/>	<input type="checkbox"/>
ii. PVCs (station and elevation)	<input type="checkbox"/>	<input type="checkbox"/>
iii. PVTs (station and elevation)	<input type="checkbox"/>	<input type="checkbox"/>
iv. Length of vertical curve	<input type="checkbox"/>	<input type="checkbox"/>
v. K-values	<input type="checkbox"/>	<input type="checkbox"/>
vi. Tangent slopes	<input type="checkbox"/>	<input type="checkbox"/>
vii. Drainage system	<input type="checkbox"/>	<input type="checkbox"/>
viii. Sewer system	<input type="checkbox"/>	<input type="checkbox"/>
ix. Water system	<input type="checkbox"/>	<input type="checkbox"/>
x. Crest stations identified (stations and elevations)	<input type="checkbox"/>	<input type="checkbox"/>
xi. Sag station identified (stations and elevations)	<input type="checkbox"/>	<input type="checkbox"/>
xii. Existing and proposed grades at fifty (50) foot stations	<input type="checkbox"/>	<input type="checkbox"/>
6.) Road intersection (equation of stations)	<input type="checkbox"/>	<input type="checkbox"/>
7.) Label street name	<input type="checkbox"/>	<input type="checkbox"/>
8.) Right-of-way lines	<input type="checkbox"/>	<input type="checkbox"/>
9.) Easement lines:		
i. Drainage	<input type="checkbox"/>	<input type="checkbox"/>
ii. Sewer	<input type="checkbox"/>	<input type="checkbox"/>
iii. Visibility	<input type="checkbox"/>	<input type="checkbox"/>
iv. Utility	<input type="checkbox"/>	<input type="checkbox"/>
v. Access	<input type="checkbox"/>	<input type="checkbox"/>
vi. Slope	<input type="checkbox"/>	<input type="checkbox"/>
10.) Wetlands Mapping:		
i. Wetland limits identified	<input type="checkbox"/>	<input type="checkbox"/>
ii. Impact area identified in square feet for each individual location	<input type="checkbox"/>	<input type="checkbox"/>
11.) Driveway shown to each individual lot (with grading and culverts if required)	<input type="checkbox"/>	<input type="checkbox"/>

	Provided	N/A
12.) Centerline geometry including:		
i. Bearings and distances labeled	<input type="checkbox"/>	<input type="checkbox"/>
ii. Tangents	<input type="checkbox"/>	<input type="checkbox"/>
iii. Curve data	<input type="checkbox"/>	<input type="checkbox"/>
iv. PC's	<input type="checkbox"/>	<input type="checkbox"/>
v. PT's	<input type="checkbox"/>	<input type="checkbox"/>
13.) Pavement:		
i. Width	<input type="checkbox"/>	<input type="checkbox"/>
ii. Corner radius (edge of pavement)	<input type="checkbox"/>	<input type="checkbox"/>
iii. Curbing	<input type="checkbox"/>	<input type="checkbox"/>
14.) Existing and proposed lot lines	<input type="checkbox"/>	<input type="checkbox"/>
15.) Lot designations	<input type="checkbox"/>	<input type="checkbox"/>
16.) Underdrain location (beginning and end stations)	<input type="checkbox"/>	<input type="checkbox"/>
17.) Guardrail Location (beginning and end stations, off-set)	<input type="checkbox"/>	<input type="checkbox"/>
18.) Traffic control signs (stop, street, etc.)	<input type="checkbox"/>	<input type="checkbox"/>
19.) Pavement markings	<input type="checkbox"/>	<input type="checkbox"/>

**VIII. Construction Detail Drawings:**

Note: Construction details to conform with NHDOT Standards & Specifications for Roads & Bridges, Town of Londonderry Department of Public Works requirements, and Subdivision Regulations

1.	Typical cross-section of pavement	<input type="checkbox"/>	<input type="checkbox"/>
2.	Typical driveway apron detail	<input type="checkbox"/>	<input type="checkbox"/>
3.	Curbing detail	<input type="checkbox"/>	<input type="checkbox"/>
4.	Guardrail detail	<input type="checkbox"/>	<input type="checkbox"/>
5.	Sidewalk detail	<input type="checkbox"/>	<input type="checkbox"/>
6.	Traffic signs and pavement markings	<input type="checkbox"/>	<input type="checkbox"/>
7.	Typical underdrain trench detail	<input type="checkbox"/>	<input type="checkbox"/>
8.	Drainage structure(s):		
a.	Catchbasin (including frame and grate)	<input type="checkbox"/>	<input type="checkbox"/>
b.	Manhole (including frame and cover)	<input type="checkbox"/>	<input type="checkbox"/>
c.	Outlet structure (detention basins)	<input type="checkbox"/>	<input type="checkbox"/>
d.	Headwalls	<input type="checkbox"/>	<input type="checkbox"/>
e.	Flared end sections	<input type="checkbox"/>	<input type="checkbox"/>
9.	Outlet protection riprap apron	<input type="checkbox"/>	<input type="checkbox"/>
10.	Level spreader	<input type="checkbox"/>	<input type="checkbox"/>
11.	Treatment swale	<input type="checkbox"/>	<input type="checkbox"/>
12.	Typical section at detention basin	<input type="checkbox"/>	<input type="checkbox"/>

		Provided	N/A
13.	Typical pipe trench:		
	a. Drainage	<input type="checkbox"/>	<input type="checkbox"/>
	b. Sewer	<input type="checkbox"/>	<input type="checkbox"/>
	c. Water	<input type="checkbox"/>	<input type="checkbox"/>
	d. Utilities	<input type="checkbox"/>	<input type="checkbox"/>
14.	Sewer structures:		
	a. Manholes (including frame and cover, inverts)	<input type="checkbox"/>	<input type="checkbox"/>
	b. Drop manholes	<input type="checkbox"/>	<input type="checkbox"/>
	c. Special structures (pump stations, blowoffs, etc.)	<input type="checkbox"/>	<input type="checkbox"/>
	d. Pipe manhole joint details	<input type="checkbox"/>	<input type="checkbox"/>
15.	Typical sewer lateral service connection detail	<input type="checkbox"/>	<input type="checkbox"/>
16.	Typical chimney detail	<input type="checkbox"/>	<input type="checkbox"/>
17.	Project specific sewer details (sleeves, etc.)	<input type="checkbox"/>	<input type="checkbox"/>
18.	Typical sewer notes (as per NHDES and Sewer Division requirements)	<input type="checkbox"/>	<input type="checkbox"/>
19.	Hydrant detail	<input type="checkbox"/>	<input type="checkbox"/>
20.	Thrust block details	<input type="checkbox"/>	<input type="checkbox"/>
21.	Valve box detail	<input type="checkbox"/>	<input type="checkbox"/>
22.	Typical water connection service detail	<input type="checkbox"/>	<input type="checkbox"/>
23.	Erosion control details:		
	a. Haybale barriers at waterways	<input type="checkbox"/>	<input type="checkbox"/>
	b. Silt fence	<input type="checkbox"/>	<input type="checkbox"/>
	c. Stone check dam	<input type="checkbox"/>	<input type="checkbox"/>
	d. Stone construction entrance	<input type="checkbox"/>	<input type="checkbox"/>
	e. Inlet filter basket	<input type="checkbox"/>	<input type="checkbox"/>
	f. Haybale barrier at catchbasin	<input type="checkbox"/>	<input type="checkbox"/>
24.	Notes:		
	a. General notes as required by the Department of Public Works	<input type="checkbox"/>	<input type="checkbox"/>
	b. Construction sequence	<input type="checkbox"/>	<input type="checkbox"/>
	c. Erosion control notes	<input type="checkbox"/>	<input type="checkbox"/>
	d. Turf establishment notes	<input type="checkbox"/>	<input type="checkbox"/>
	e. Sewer construction notes (as required by Sewer Ordinance)	<input type="checkbox"/>	<input type="checkbox"/>
	f. Water system construction notes (as required by local water company)	<input type="checkbox"/>	<input type="checkbox"/>

**IX. Cross-Sections:**

1.	Roadway cross sections at 50-foot intervals	<input type="checkbox"/>	<input type="checkbox"/>
2.	Roadway cross sections at culvert locations (inlet/outlet)	<input type="checkbox"/>	<input type="checkbox"/>

		Provided	N/A
3.	Scale of sections at 1" = 5' H & V	<input type="checkbox"/>	<input type="checkbox"/>
4.	Existing & finish centerline grades	<input type="checkbox"/>	<input type="checkbox"/>
5.	Proposed pavement, crushed gravel and bank run gravel limits	<input type="checkbox"/>	<input type="checkbox"/>
6.	Right-of-way and easement limits	<input type="checkbox"/>	<input type="checkbox"/>
7.	Roadway & shoulder cross slopes	<input type="checkbox"/>	<input type="checkbox"/>
8.	Embankment slopes	<input type="checkbox"/>	<input type="checkbox"/>
9.	Underdrains	<input type="checkbox"/>	<input type="checkbox"/>
10.	Drainage piping and structures	<input type="checkbox"/>	<input type="checkbox"/>
11.	Sewer piping and structures	<input type="checkbox"/>	<input type="checkbox"/>
12.	Utilities:		
	a.    Water lines	<input type="checkbox"/>	<input type="checkbox"/>
	b.    Gas lines	<input type="checkbox"/>	<input type="checkbox"/>
	c.    Telephone/electric/cable	<input type="checkbox"/>	<input type="checkbox"/>
13.	Guardrail	<input type="checkbox"/>	<input type="checkbox"/>

**X. Supporting Documentation:**

1.	Lot sizing calculations	<input type="checkbox"/>	<input type="checkbox"/>
2.	Test pit/perc.test data	<input type="checkbox"/>	<input type="checkbox"/>
3.	Stormwater management report including the following:		
	a.    Table of contents	<input type="checkbox"/>	<input type="checkbox"/>
	b.    Narrative statement (including conclusions)	<input type="checkbox"/>	<input type="checkbox"/>
	c.    Summary table comparing existing and post-development conditions	<input type="checkbox"/>	<input type="checkbox"/>
	d.    Summary table of data for each pipe & piping system:		
	1.)    Discharge	<input type="checkbox"/>	<input type="checkbox"/>
	2.)    Depth of flow	<input type="checkbox"/>	<input type="checkbox"/>
	3.)    Velocity	<input type="checkbox"/>	<input type="checkbox"/>
	e.    Summary table of data for each swale & channel:		
	1.)    Discharge	<input type="checkbox"/>	<input type="checkbox"/>
	2.)    Depth of flow	<input type="checkbox"/>	<input type="checkbox"/>
	3.)    Velocity	<input type="checkbox"/>	<input type="checkbox"/>
	f.    Project location plan (on USGS quadrangle)	<input type="checkbox"/>	<input type="checkbox"/>
	g.    Watershed area plan for existing condition	<input type="checkbox"/>	<input type="checkbox"/>
	h.    Watershed area plan for post-development condition	<input type="checkbox"/>	<input type="checkbox"/>
	i.    Runoff calculations for existing & post-development conditions	<input type="checkbox"/>	<input type="checkbox"/>
	j.    Flood routing calculations for each detention basin	<input type="checkbox"/>	<input type="checkbox"/>

		Provided	N/A
k.	Design for water quality treatment facilities (level spreaders, treatment swales, etc.)	<input type="checkbox"/>	<input type="checkbox"/>
l.	Riprap design calculations	<input type="checkbox"/>	<input type="checkbox"/>
m.	Report stamped by licensed professional engineer in NH	<input type="checkbox"/>	<input type="checkbox"/>
4.	Traffic Impact Analysis:		
a.	Traffic Impact analysis as required by Section 3.14	<input type="checkbox"/>	<input type="checkbox"/>
5.	Fiscal impact study provided (if required)	<input type="checkbox"/>	<input type="checkbox"/>
6.	Off-site improvements:		
a.	Design plans included in the project drawings	<input type="checkbox"/>	<input type="checkbox"/>
b.	Arrangements and agreements	<input type="checkbox"/>	<input type="checkbox"/>
c.	Easements	<input type="checkbox"/>	<input type="checkbox"/>
7.	Utility clearance letters (as applicable):		
a.	Electric	<input type="checkbox"/>	<input type="checkbox"/>
b.	Telephone	<input type="checkbox"/>	<input type="checkbox"/>
c.	Cable television	<input type="checkbox"/>	<input type="checkbox"/>
d.	Gas	<input type="checkbox"/>	<input type="checkbox"/>
e.	Water	<input type="checkbox"/>	<input type="checkbox"/>
f.	Sewer	<input type="checkbox"/>	<input type="checkbox"/>
8.	Other project-specific information as required by the Design Review Committee (DRC)	<input type="checkbox"/>	<input type="checkbox"/>

**XI. Required Project Permits (as applicable to applications):**

	Provided	N/A	App Submitted
1. NHDES subdivision approval	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. NHDES site-specific approval	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. NHDES wetlands permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. NHDES sewer discharge permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. NHDES water supply permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. NHDES dam permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. NHDOT driveway permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Londonderry ZBA variance(s)/special exception(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Londonderry sewer discharge permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Army Corps of Engineers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Federal Aviation Administration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Other federal, state or local permits (if applicable) for project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**XII. Acknowledgment and Signature:**

The undersigned acknowledges he/she has read and understands all of the Town's current zoning, subdivision, site plan, and health regulations and requirements for obtaining all required local, state, and federal permits.

\_\_\_\_\_  
(Signature of person preparing plans)

\_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Title)

\_\_\_\_\_  
(Date)