

#### RECEIVED JUL 0 9 2013 Planning pept.

### <u>RESIDENTIAL SITE PLAN APPLICATION</u> (townhouses, apts., etc.) City of Rochester, New Hampshire

Date:				
Property information				
Tax map #:117; Lot #('s):3-2; Zoning district:Residence 2 (R2)				
Property address/location: 23 Glenwood Avenue				
Name of project (if applicable): Glenwood Manor				
Size of site: 1.69 acres; overlay zoning district(s)? none				
Property owner				
Name (include name of individual): _17 Glenwood Avenue, LLC				
Mailing address: PO Box 1163, Rochester, NH 03866-1163				
Telephone #:(603) 292-3555 Fax #:(603) 292-3556				
Applicant/developer (if different from property owner)  Name (include name of individual): Same as owner				
Mailing address:				
Telephone #: Fax #:				
Engineer/designer  Name (include name of individual): Norway Plains Associates, Inc. c/o Scott Lawler, PE  Mailing address: PO Box 249, Rochester NH 03866-0249				
Telephone #: (603) 335-3948 Fax #: (603) 332-0098				
Email address: slawler@norwayplains.com Professional license #: PE #10026				
Proposed use The applicant is not bound by information on bedrooms and ownership arrangement unless that is a condition of approval.				
Total number of proposed dwelling units: 24; number of existing dwelling units: 0				
Proposed bedrooms/unit: one ; total number of proposed bedrooms: 24				

(continued <u>Residential Site Plan</u> application Tax Map: <u>117</u> Lot: <u>3-2</u> )
Submission of application  This application must be signed by the property owner, applicant/developer (if different from property owner), and/or the agent.
I(we) hereby submit this Site Plan application to the City of Rochester Planning Board pursuant to the City of Rochester Site Plan Regulations and attest that to the best of my knowledge all of the information on this application form and in the accompanying application materials and documentation is true and accurate. As applicant/developer (if different from property owner)/as agent, I attest that I am duly authorized to act in this capacity.
Signature of property owner:
Date:
Signature of applicant/developer:  Date: 7/8//3  Signature of agent:
Date: 7/8/13
Authorization to enter subject property  I hereby authorize members of the Rochester Planning Board, Zoning Board of Adjustment, Conservation Commission, Planning Department, and other pertinent City departments, boards and agencies to enter my property for the purpose of evaluating this application including performing any appropriate inspections during the application phase, review phase, bost-approval phase, construction phase, and occupancy phase. This authorization applies especifically to those particular individuals legitimately involved in evaluating, reviewing, or inspecting this specific application/project. It is understood that these individuals must use all reasonable care, courtesy, and diligence when entering the property.  Signature of property owner:
Date:

#### NORWAY PLAINS ASSOCIATES, INC.

**SURVEYORS - ENGINEERS - TRANSPORTATION PLANNERS** 

E-MAIL: slawler@norwayplains.com WEB: http://www.norwayplains.com

2 Continental Boulevard (03867) P. O. Box 249
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July 9, 2013

Mr. James Campbell, Planner Planning, Development & Zoning 31 Wakefield Street Rochester, NH 03867

Re: Glenwood Manor - Map 117, Lot 3-2 - Glenwood Avenue

Dear Jim:

On behalf of 17 Glenwood Avenue, LLC, we hereby submit site plans and application for a proposed 24-unit elderly housing building. The proposed building will be constructed on their 1.69 acre parcel off Glenwood Avenue. This parcel was recently created as part of a three lot subdivision, which placed the two existing multiresidential buildings on individual lots and will allow the construction of the proposed building on a separate lot of record.

The parcel is located in the Residential 2 Zone (R2), which required a special exception by the Rochester Zoning Board of Adjustments to allow elderly housing building in the district. The Zoning Board of Adjustments also granted a variance to allow a reduction in the total density from 6,000 sf per dwelling unit to 3,111sf per unit. These were granted by the ZBA on March 13, 2013

The proposed building will be a three story wood framed building having a 9,445 square footprint. The 24-units will all be a one-bedroom units with several qualified as accessible under the provisions of the Americans with Disability Act (ADA). An elevator will provide access to all floors, with a large recreation room on the third floor.

Access to the proposed building and parking will be from a new driveway off Glenwood Avenue between the two existing rental buildings. A new 30 spaces parking lot will provide parking for the residence and the staff with a looped access for circulation.

Stormwater from the development will be collected and directed to a system of infiltration basin and rain gardens located on site. This system will allow the stormwater runoff from the proposed building and paved areas to infiltrate into the ground thus eliminate any impacts to the abutting properties or the City.

The proposed building will be connected to the municipal water and sewer systems located within the Glenwood Avenue right-of-way. Additional, the building will be connected to natural gas and will have all other utility connections (Electric, Cable, Telephone) installed underground from the existing utility pole located on Glenwood Avenue.

The site will be nicely landscaped, with shade trees and foundation plantings along the driveway and around the building. The two rain gardens will also have a nice variety of plants to add color while providing the extra benefit of stormwater management. Additional trees will be installed along the perimeter of the site, to fill gaps within the existing vegetation between the residential houses and the proposed building. A sound barrier fence will be installed at the back edge of the infiltration basin and the railroad tracks to help offset the noise from the trains.

Prior to the end of the school year, peak period traffic was counted in the morning and afternoons at the intersection of Glenwood Avenue with Wakefield Street and Yeagley Way. These counts were used in determining the overall traffic impact to the neighborhood from the development. Please refer to the attached Traffic Impact Assessment letter prepared by Donald B. Rhodes, PE. It was concluded that the proposed 24 unit development will generate just 3 trips during the morning peak hour and 4 trips during the afternoon peak hour, based on trip generation rates published by the Institute of Transportation Engineers. These trips will be split between the north and south on Wakefield Street. As such, the low volume of traffic generated will not significantly impact the traffic operations on Glenwood Avenue or at the intersection.

We look forward to discussing this project with staff and the Planning Board. Thank you for your consideration

Sincerely,

NORWAY PLAINS ASSOCIATES, INC.

Scott A. Lawler, PE, Project Engineer

cc: Dave Lemieux

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SURVEYORS - ENGINEERS - TRANSPORTATION PLANNERS

E-MAIL: drhodes@norwayplains.com WEB: http://www.norwayplains.com 2 Continental Boulevard (03867) P. O. Box 249 Rochester, New Hampshire 03866-0249 Telephone (603) 335-3948 Fax (603) 332-0098

June 18, 2013

Planning Board City of Rochester 31 Wakefield Street Rochester, NH 03867

Re: Traffic Impact assessment for proposed development by 17 Glenwood Avenue, LLC

Dear Members of the Planning Board:

17 Glenwood Avenue, LLC proposes to construct 24 apartments for senior adults (age 55 and older) on property located on the south side of Glenwood Avenue, adjacent to the railroad right of way. Access to the site will be from Glenwood Avenue, approximately 400 feet from the intersection with Wakefield Street. As requested, this letter report addresses the probable traffic impact of the development.

#### A. Existing roadway and traffic conditions

Glenwood Avenue extends 600 feet from Wakefield Street to the barriers at the NH Northcoast tracks. The roadway is approximately 22 feet wide, without sidewalks, and provides access to 30 homes (4 single family and 26 multi-family units). The intersection with Wakefield Street is across from Yeagley Way, which is heavily used by traffic to and from Spaulding High School. Both Glenwood Avenue and Yeagley Way intersect Wakefield Street at approximately 45 degrees. The skewed angle can make turns to and from the north difficult.

Morning (6:45 to 9:00) and afternoon (2:00 to 5:00) peak period traffic was counted at the Glenwood Avenue intersection with Wakefield Street on May 30 and June 5, 2013. The summarized data are attached. The peak hours (7:00 to 8:00 am and 2:15 to 3:15 pm) coincided with the opening and closing times at Spaulding High School. The following table shows the directional traffic volumes during both peak hours.

	Morning peak hour (7:00 to 8:00)	Afternoon peak hour (2:15 to 3:15)
Wakefield St south of Glenwood		•
Total	1301	1574
northbound	696	718
southbound	605	856
Wakefield St north of Glenwood		
Total	973	1380
northbound	583	729
southbound	390	651
Yeagley Way		
Total	398	291
entering	152	39
from north	4	0
from south	148	39
exiting	246	252
to north	36	50
to south	210	202

Page 2

<u>June 18, 2013 Traffic impact assessment for proposed development by 17 Glenwood Ave., LLC</u>

	Morning peak hour (7:00 to 8:00)	Afternoon peak hour (2:15 to 3:15)
Glenwood Ave.		
Total	20	25
entering	6	11
from north	1	5
from south	5	6
exiting	14	14
to north	4	6
to south	10	8

These numbers show that the afternoon peak hour traffic on Wakefield Street is more than 20 percent higher than in the morning. The two-directional traffic on Yeagley Way is greater in the morning but the exiting volumes are nearly the same. The traffic on Glenwood Avenue is very light, in comparison to Wakefield Street and Yeagley Way, during both the morning and afternoon peak periods. The afternoon traffic on Glenwood is somewhat higher than in the morning, which is consistent with the usual traffic patterns in residential neighborhoods.

#### B. Trip generation

The Institute of Transportation Engineers (ITE) publishes trip generation information for a wide variety of land uses based on extensive data and studies from throughout the country. The peak hour trip generation rates for relevant residential uses are shown below.

	Trip generation rates (trips per unit)	
<u>Land use</u>	Morning peak hour	Afternoon peak hour
Single family detached housing (LU #210)	0.75	1.01
Apartments (LU #220)	0.51	0.62
Senior adult housing - attached (LU #252)	0.13	0.16

Based on these rates, the existing development on Glenwood Avenue could be expected to generate 16 and 20 trips during the morning and afternoon peak hours, respectively. These numbers are slightly lower than the observed peak hour traffic volumes (20 and 25, respectively) on Glenwood Avenue.

The proposed development is intended for older adults who will be living independently but most of whom will be retired. The most applicable ITE land use category is #252, "senior adult housing - attached". The trip generation rates shown above will result in just 3 new trips on Glenwood Avenue during the morning peak hour and 4 new trips during the afternoon peak hour.

#### C. Conclusions and recommendations

- 1) The observed peak hour (afternoon) traffic volumes on Wakefield Street, Yeagley Way and Glenwood Avenue are 1574, 291, and 25, respectively.
- 2) The proposed 24 unit development will generate just 3 trips during the morning peak hour and 4 trips during the afternoon peak hour, based on trip generation rates published by the Institute of Transportation Engineers. These trips will be split between the north and south on Wakefield Street.
- 3) Left turns onto Wakefield Street from side streets and driveways in this vicinity can experience long delays due to the heavy volume of through traffic on Wakefield Street.

#### Page 3

#### June 18, 2013 Traffic impact assessment for proposed development by 17 Glenwood Ave., LLC

- 4) The very low volume of traffic generated by the proposed development will not significantly impact the traffic operations on Glenwood Avenue or on Wakefield Street and do not warrant the construction of any mitigation measures.
- 5) The first step toward future improvements by the City to the Wakefield Street / Gienwood Avenue intersection should be the relocation of the existing utility pole that is in the northeast corner of the intersection.

Please let us know if there are questions about this material or if additional information would be helpful.

Very truly yours,

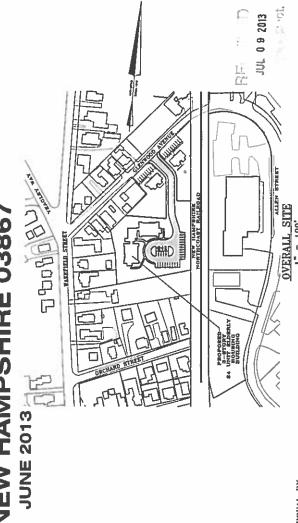
NORWAY PLAINS ASSOCIATES, INC.

Donald B. Rhodes, P.E.

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GLENWOOD MANOR PROPOSED 24 UNIT ELDERLY HOUSING FACILITY CIVIL ENGINEERS TRANSPORTATION PLANNERS SKPTIC DESIGNERS LAND SURVEYORS

ROCHESTER, NEW HAMPSHIRE 03867 17 GLENWOOD AVENUE, LLC GLENWOOD AVENUE



17 GLENWOOD AVENUE, LLC P.O. BOX 1163 ROCHESTER, NH 03866-1163 (603) 292-3555 OWNER / APPLICANT

FINAL APPROVAL BY ROCHESTER PLANNING BOARD

NORWAY PLAINS ASSOCIATES, INC. 2 CONTINENTAL BOULEVARD ROCHESTER, NH 03867 (603) 335-3948

CIVIL ENGINEERS

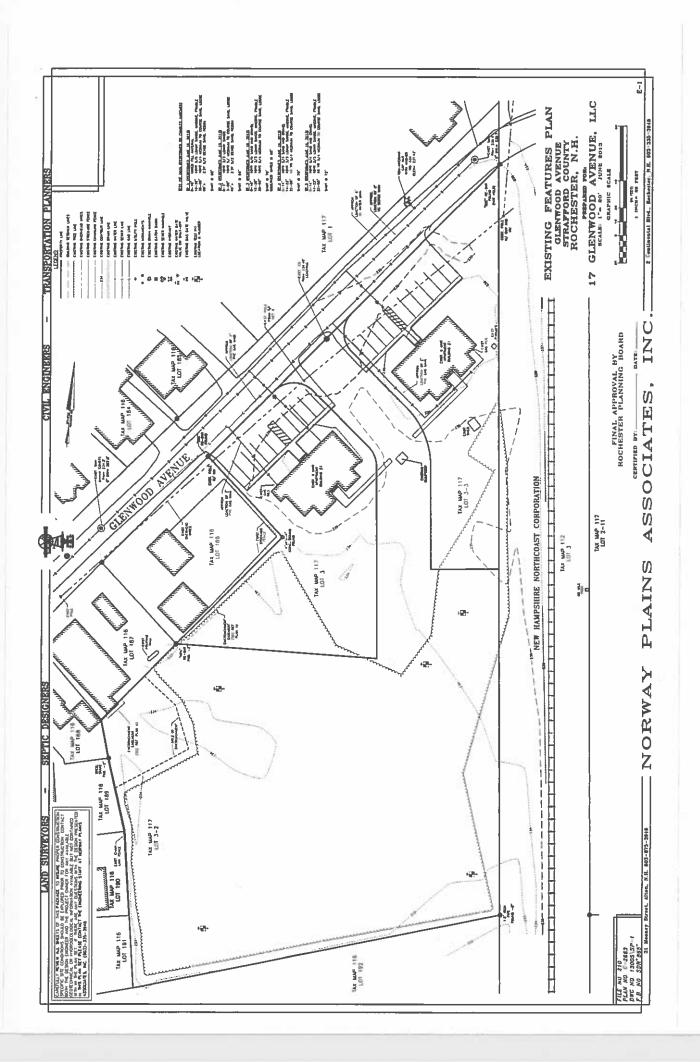
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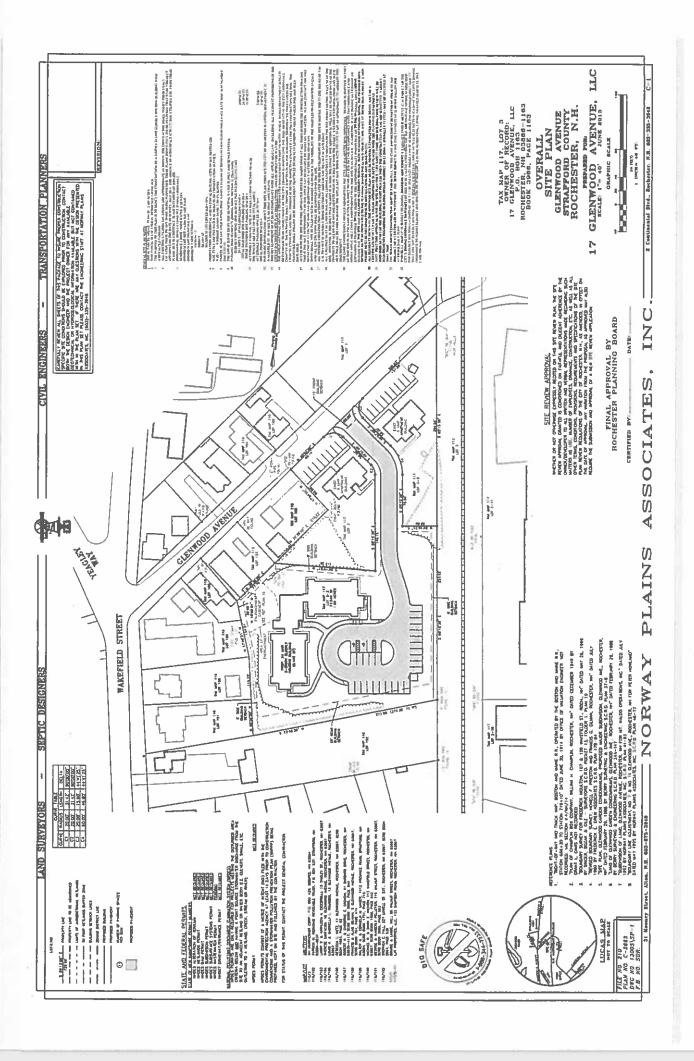
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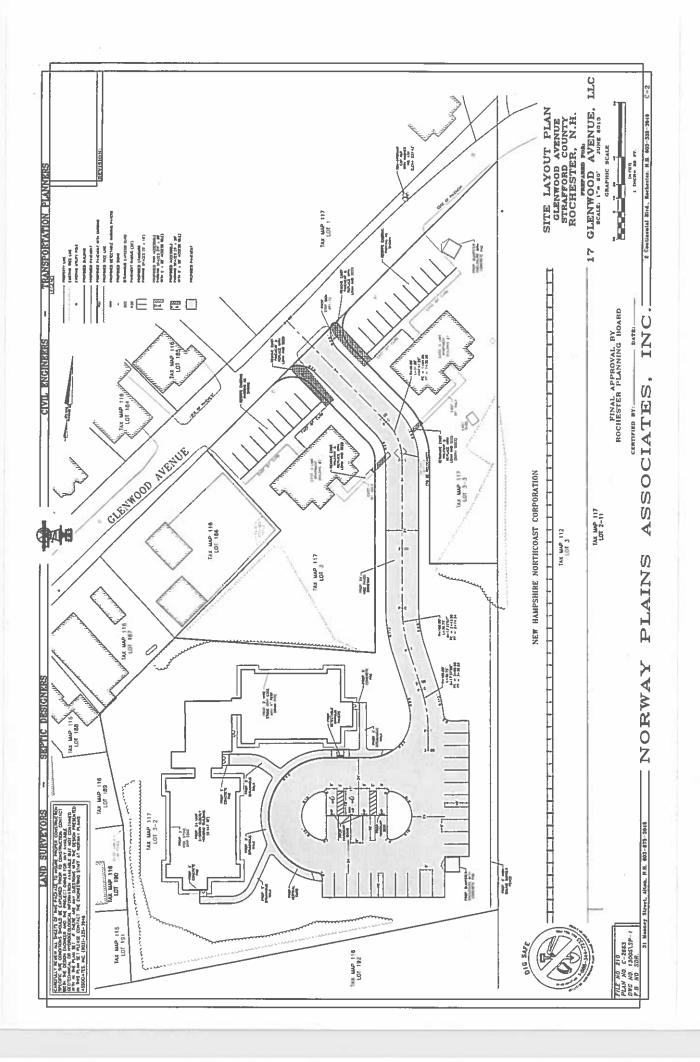
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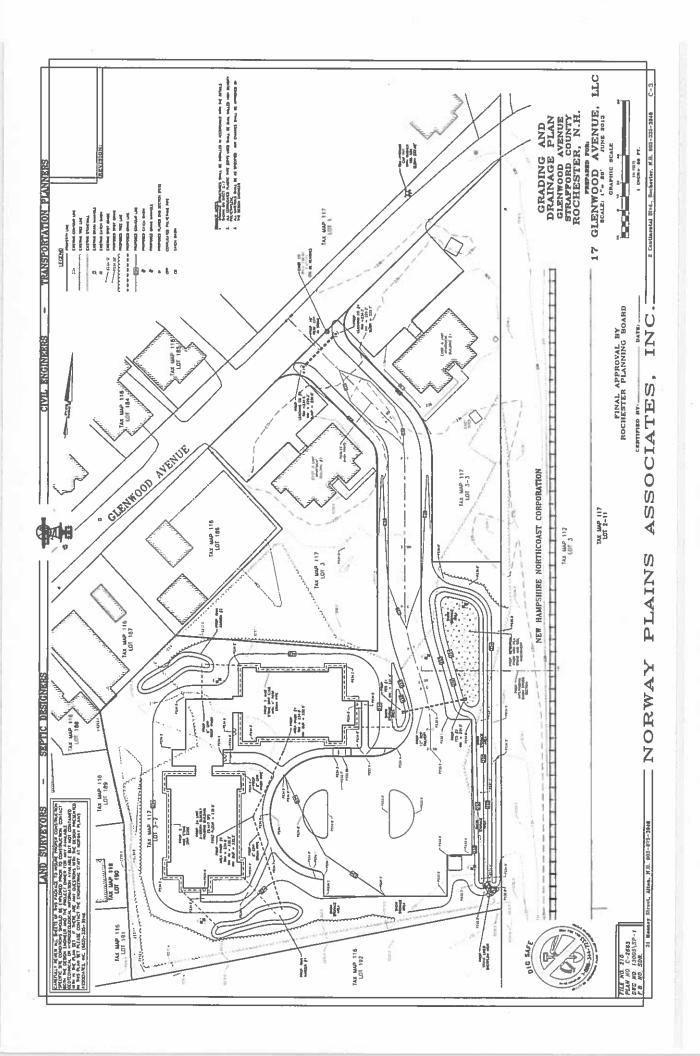
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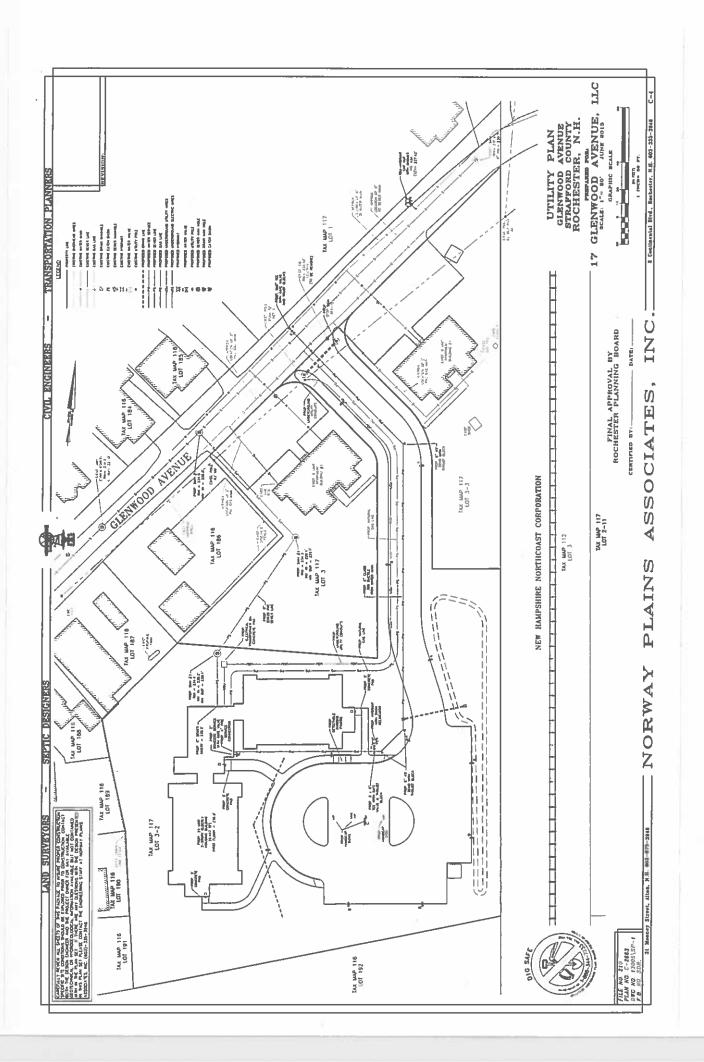
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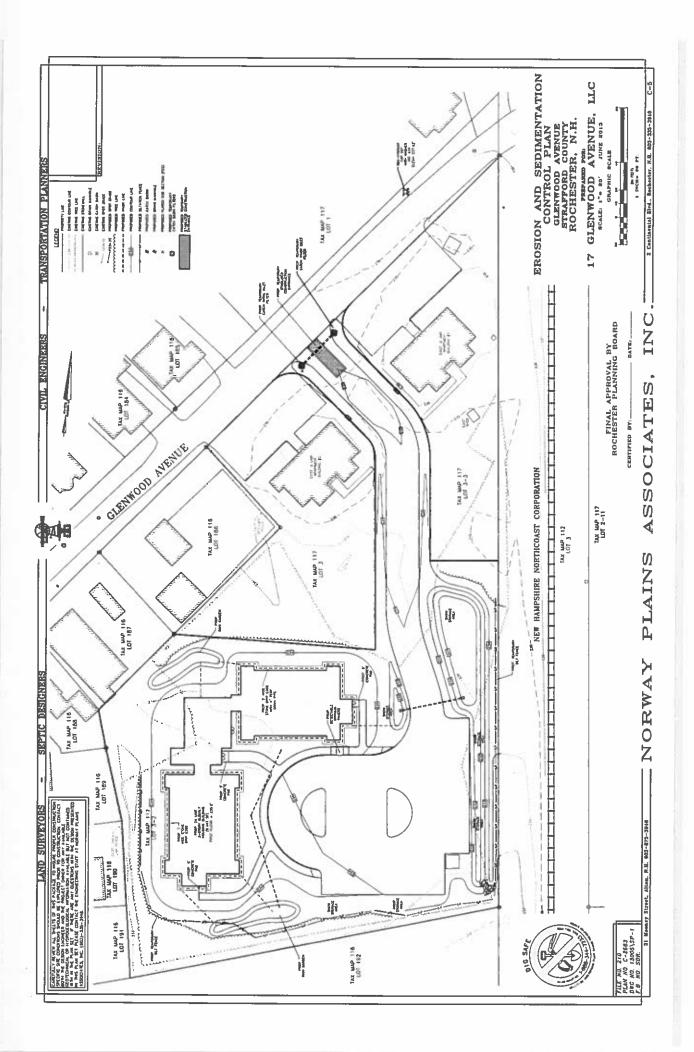


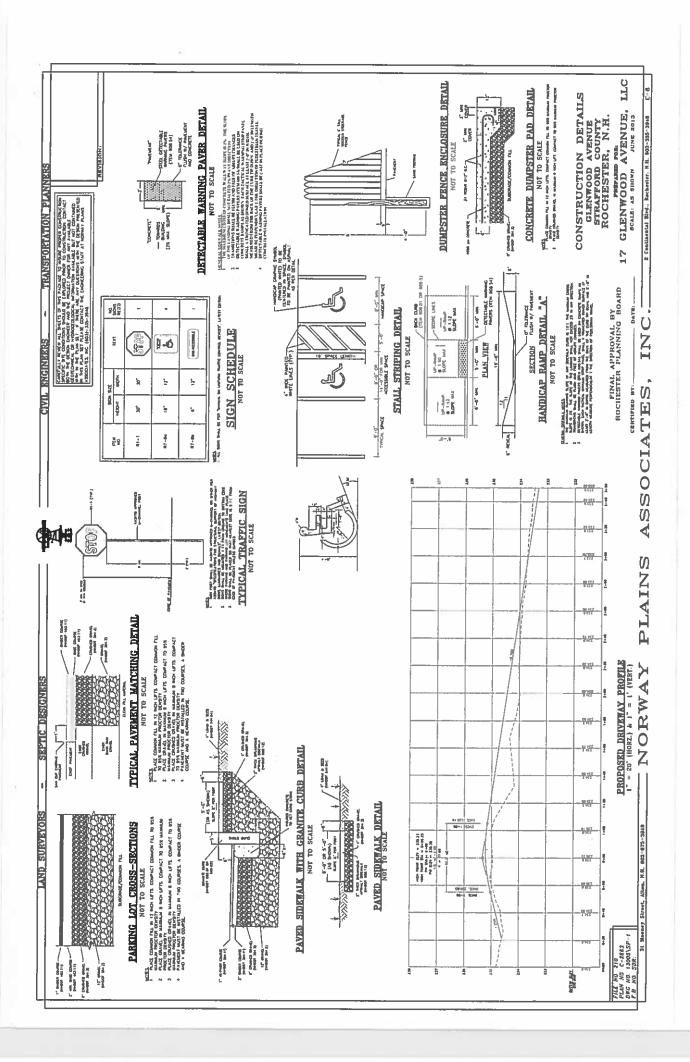


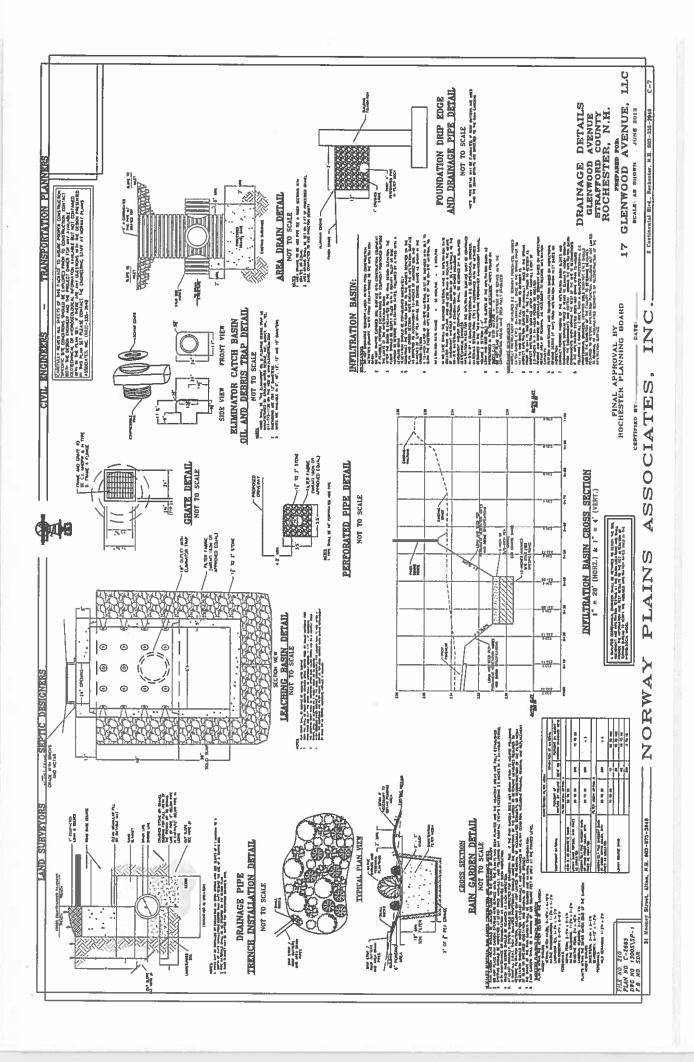


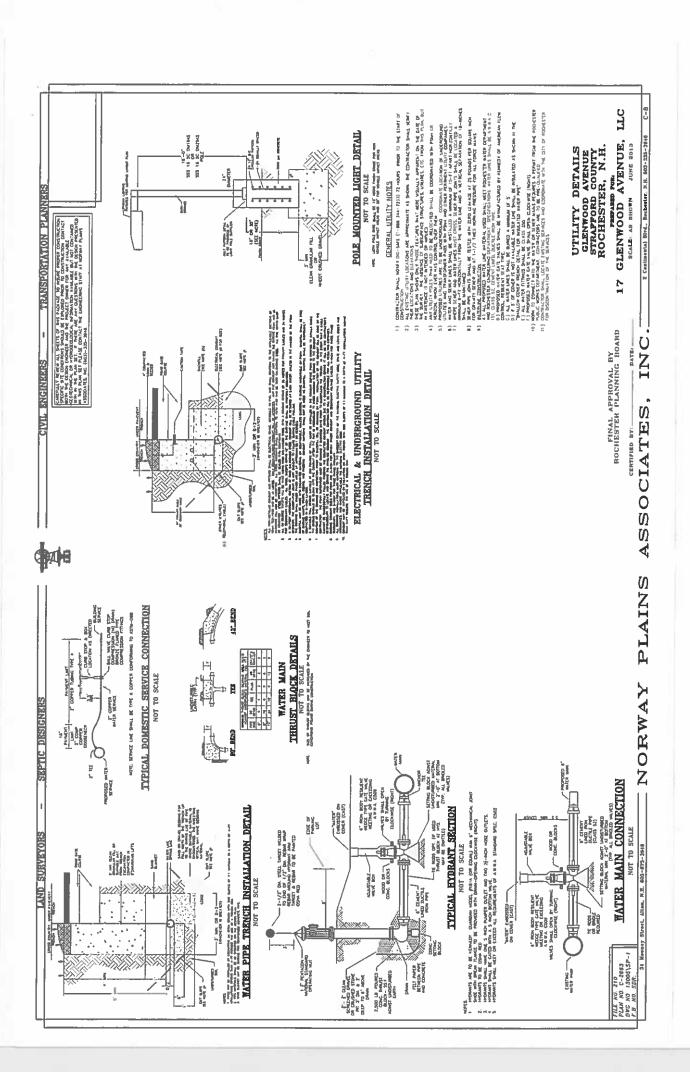


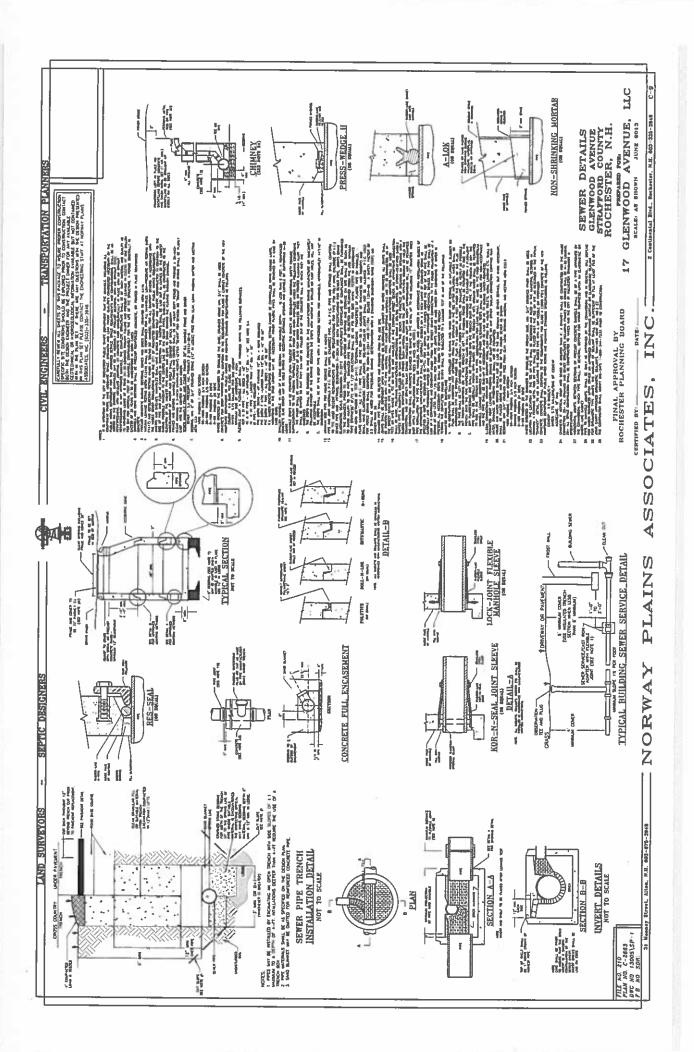


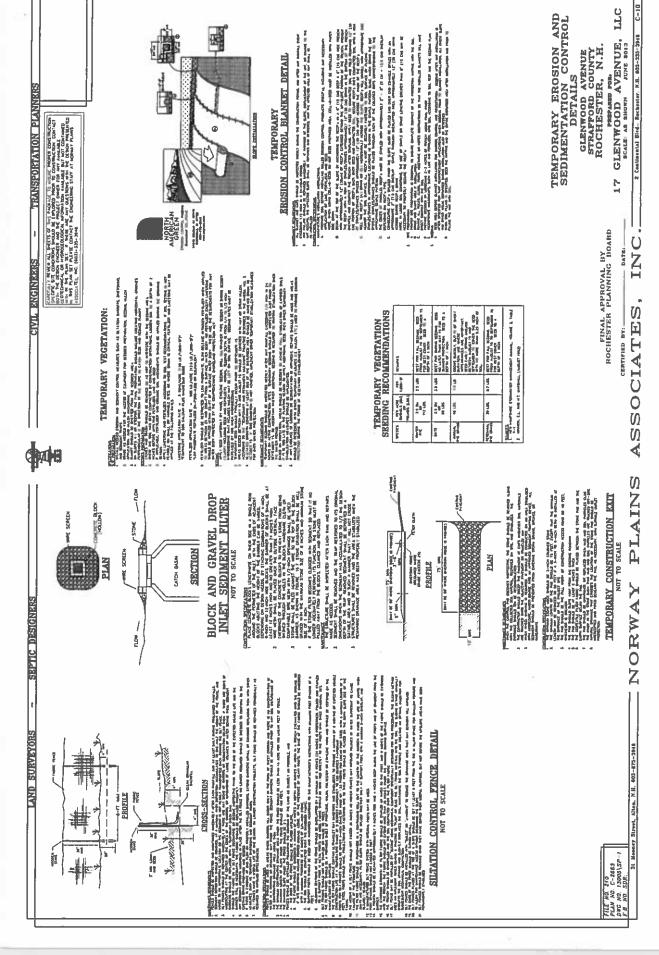












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GLENWOOD AVENUE STRAFFORD COUNTY ROCHESTER, N.H.

17 GLENWOOD AVENUE, LLC

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PLAN NO. C-2863
DWC NO. 13005\SP-1
F.B. NO. 5DR:

INC.

FINAL APPROVAL BY ROCHESTER PLANNING BOARD

2 Continental Sted., Rochester: N.H. 603-339-3948 SCALE: AB SHOWN JUNE SOLD

> ASSOCIATES, NORWAY

