



# CITY OF SARATOGA SPRINGS

PLANNING BOARD

City Hall - 474 Broadway  
Saratoga Springs, New York 12866-2296  
Tel: 518-587-3550 fax: 518-580-9480  
<http://www.saratoga-springs.org>

[FOR OFFICE USE]

(Application #)

(Date received)

## APPLICATION FOR: SUBDIVISION APPROVAL

(Rev: 07/2016)

**\*\*\*Application Check List - All submissions must include completed application check list and all required items.**

Project Name: 21 Park Place Subdivision

Property Address/Location: 21 Park Place; Corner of Park Pl. & Regent St.

Tax Parcel #: 165.84-1-1 Zoning District: UR-4  
(for example: 165.52-4-37)

Total Acres: 0.726 acres Land to be Subdivided Into: 2 Lots

|         | <u>APPLICANT(S)*</u>               | <u>OWNER(S) (If not applicant)</u> | <u>ATTORNEY/AGENT</u>   |
|---------|------------------------------------|------------------------------------|---|
| Name    | <u>David Guarino / Linda Haner</u> | <u>(same)</u>                      | <u>Agent: Engineering America Co.</u>                         |
| Address | <u>[REDACTED]</u>                  | <u>[REDACTED]</u>                  | <u>76 Washington St.</u><br><u>Saratoga Springs, NY 12866</u> |
| Phone   | <u>[REDACTED]</u>                  | <u>[REDACTED]</u>                  | <u>[REDACTED]</u>   |
| Email   | <u>[REDACTED]</u>                  | <u>[REDACTED]</u>                  | <u>[REDACTED]</u>   |

Identify primary contact person:  Applicant  Owner  Agent

\* An applicant must be the property owner, lessee, or one with an option to lease or purchase the property in question.

Application Fee: A check for the total amount below payable to: "Commissioner of Finance" MUST accompany this application.

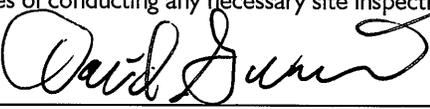
- Sketch Plan - \$400
- Preliminary Subdivision Plat Approval
  - 1-20 Lots \$400
  - 21-50 Lots \$600
  - 51+ Lots \$1,000
- Final Subdivision Plat Approval
  - Residential - \$1,000 plus \$100/lot \$ 1200.00
  - Non-Residential - \$1,500/lot \$ \_\_\_\_\_
- Final Approval Modification
  - Residential- \$250 \$ \_\_\_\_\_
  - Non-Residential- \$500 \$ \_\_\_\_\_

Submission Deadline - Check City's website ([www.saratoga-springs.org](http://www.saratoga-springs.org)) for application deadlines and meeting dates.

Does any City officer, Does any City officer, employee or family member thereof have a financial interest (as defined by General Municipal Law Section 809) in this application? YES \_\_\_\_\_ NO  . If YES, a statement disclosing the name, residence, nature and extent of this interest must be filed with this application.

I, the undersigned owner or purchaser under contract for the property, hereby request Subdivision consideration by the Planning Board for the identified property above. I agree to meet all requirements under the Subdivision Regulations for the City of Saratoga Springs.

Furthermore, I hereby authorize members of the Planning Board and designated City staff to enter the property associated with this application for purposes of conducting any necessary site inspections relating to this application.

Applicant Signature:  Date: 9-23-16

If applicant is not current owner, owner must also sign.

Owner Signature: \_\_\_\_\_ Date: \_\_\_\_\_



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\_\_\_\_\_  
 (Application #)

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

Rev.05/2016

### PRELIMINARY/ FINAL SUBDIVISION APPROVAL REQUIRED SUBMITTAL CHECKLIST

1. Project Name: \_\_\_\_\_

2. Checklist Prepared By: \_\_\_\_\_ Date: \_\_\_\_\_

Listed below are the minimum submittal requirements as set forth in The City of Saratoga Springs' Subdivision Regulations. The Planning Board reserves the right to request additional information, as necessary, to support an application. The Board also reserves the right to reject the application if these minimum requirements are not met. Please complete the checklist below and provide with your submission.

**REQUIRED ITEMS: \*3 hard copies and 1 digital copy of ALL materials are required.**

| CHECK EACH ITEM          |  |
|--------------------------|--|
| <input type="checkbox"/> | 1. Completed Subdivision Application (3 hard copies - *1 w/original signature - and 1 digital) and Fee   |
| <input type="checkbox"/> | 2. SEQR Environmental Assessment Form- short or long form as required by action.   |
| <input type="checkbox"/> | 3. Set of plans including: (3) large scale plans (sheets <u>must be</u> 24" x 36", drawn to a scale of not more than 1"=50 feet). One digital version of <b>all</b> submittal items (pdf) shall be provided. |
| <input type="checkbox"/> | 4. Basic or Full Storm Water Pollution Prevention Plan as required per City Code Chapter 242.  |
| <input type="checkbox"/> | 5. Copy of signed DPW water connection agreement for all projects involving new water connections to the City system   |
| <input type="checkbox"/> | 6. Engineering Report for Water and Sanitary   |
| <input type="checkbox"/> | 7. Complete Streets Checklist  |
| <input type="checkbox"/> | 8. Project Cost Estimate-Quantities of work items and estimate of costs  |

**REQUIRED ITEMS ON SUBDIVISION PLAT, AS APPLICABLE:**

|                          |   |
|--------------------------|---|
| <input type="checkbox"/> | 1. Name of Subdivision  |
| <input type="checkbox"/> | 3. Property line survey prepared by a licensed land surveyor. Subdivision plat must reference such survey with all corners set and marked on plan. Reference NGVD 1929 datum. A copy of the original property survey must also be included. |
| <input type="checkbox"/> | 4. North arrow and map scale  |

|                                 |   |
|---------------------------------|---|
| <input type="checkbox"/>        | 5. Parcel tax map number  |
| <input type="checkbox"/>        | 6. Site location map  |
| <input type="checkbox"/>        | 7. Site vicinity map (all features within 300 feet of property)   |
| <input type="checkbox"/>        | 8. Identification of current zoning with corresponding area requirements  |
| <input type="checkbox"/>        | 9. Building setback lines, either listed or shown on plans  |
| <input type="checkbox"/>        | 10. Title block with subdivision name; name and address of applicant; and name and address of property owner (if different)                               |
| <input type="checkbox"/>        | 11. Name, address and phone number of subdivision surveyor and/or engineer  |
| <input type="checkbox"/>        | 12. Names of all adjacent property owners within 300 feet (include both sides of street)  |
| <input type="checkbox"/>        | 13. Identification of size, elevations, material, and slopes of all existing and proposed utilities within 400 ft of site.                                |
| <input type="checkbox"/>        | 14. Parcel street address (existing and any proposed postal addresses)  |
| Yes<br><input type="checkbox"/> | 15. Identification of existing or proposed easements, covenants or legal rights-of-way on this property   |
| No<br><input type="checkbox"/>  |   |
| N/A<br><input type="checkbox"/> |   |
| <input type="checkbox"/>        | 16. References to all prior variances or special use permits  |
| <input type="checkbox"/>        | 17. Existing and proposed contours and spot grades (at 2 foot intervals)  |
| <input type="checkbox"/>        | 18. Identification of all watercourses, designated State wetlands, buffers, Federal wetlands, floodplains, rock outcroppings, etc.                        |
| <input type="checkbox"/>        | 19. Identification of all existing or proposed sidewalks or pedestrian paths (show type, size and condition of existing sidewalks)                        |
| <input type="checkbox"/>        | 20. Location, design specifications and construction material for all proposed site improvements (drains, culverts, retaining walls, berms, fences, etc.) |
| <input type="checkbox"/>        | 21. Location and distance to fire hydrant   |
| <input type="checkbox"/>        | 22. Erosion and sediment control plan – including designated concrete truck washout area  |
| <input type="checkbox"/>        | 23. Approximate location, dimensions and areas for proposed lots and proposed public recreational land  |
| <input type="checkbox"/>        | 24. Proposal for utility systems and lateral connections  |
| <input type="checkbox"/>        | 25. Location and width of proposed streets  |

**Full Environmental Assessment Form**  
**Part 1 - Project and Setting**

**Instructions for Completing Part 1**

**Part 1 is to be completed by the applicant or project sponsor.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the project sponsor to verify that the information contained in Part I is accurate and complete.

**A. Project and Sponsor Information.**

|   |                   |                       |
|---|-------------------|-----------------------|
| Name of Action or Project:<br>21 Park Place Sub-Division  |                   |                       |
| Project Location (describe, and attach a general location map):<br>Northeast corner of Park Place and Regent Streets, Saratoga Springs, NY  |                   |                       |
| Brief Description of Proposed Action (include purpose or need):<br><br>To sub-divide .72 acre lot into two parcels. The lot with an existing 3-family house will be 19,153 sq ft, and the smaller corner lot without improvements will be 12,483 sq ft. The purpose is to create a second build able lot from the original 3/4 acre downtown lot. |                   |                       |
| Name of Applicant/Sponsor:<br>David Guarino and Linda Haner   |                   | Telephone: [REDACTED] |
|   |                   | E-Mail: [REDACTED]    |
| Address: [REDACTED]   |                   |                       |
| City/PO: [REDACTED]   | State: [REDACTED] | Zip Code: [REDACTED]  |
| Project Contact (if not same as sponsor; give name and title/role):   |                   | Telephone:            |
|   |                   | E-Mail:               |
| Address:  |                   |                       |
| City/PO:  | State:            | Zip Code:             |
| Property Owner (if not same as sponsor):  |                   | Telephone:            |
|   |                   | E-Mail:               |
| Address:  |                   |                       |
| City/PO:  | State:            | Zip Code:             |

**B. Government Approvals**

| <b>B. Government Approvals, Funding, or Sponsorship.</b> ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.) |   |   |
|---|---|---|
| <b>Government Entity</b>  | <b>If Yes: Identify Agency and Approval(s) Required</b> | <b>Application Date (Actual or projected)</b>                       |
| a. City Council, Town Board, <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>or Village Board of Trustees                      |   |   |
| b. City, Town or Village <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>Planning Board or Commission                          | City of Saratoga Springs Planning Board                 | 6/23/2016   |
| c. City Council, Town or <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Village Zoning Board of Appeals                       |   |   |
| d. Other local agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |   |   |
| e. County agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  | Saratoga County Planning Board                          | 8/15/16   |
| f. Regional agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |   |   |
| g. State agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |   |   |
| h. Federal agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |   |   |
| i. Coastal Resources.   |   |   |
| i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?   |   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program?  |   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| iii. Is the project site within a Coastal Erosion Hazard Area?  |   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

**C. Planning and Zoning**

| <b>C.1. Planning and zoning actions.</b>  |   |
|---|---|
| Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed?                                   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| <ul style="list-style-type: none"> <li>• <b>If Yes</b>, complete sections C, F and G.</li> <li>• <b>If No</b>, proceed to question C.2 and complete all remaining sections and questions in Part 1</li> </ul>                           |   |
| <b>C.2. Adopted land use plans.</b>   |   |
| a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located?   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| If Yes, identify the plan(s):<br>NYS Heritage Areas: Mohawk Valley Heritage Corridor, Saratoga  |   |
| _____   |   |
| _____   |   |
| c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| If Yes, identify the plan(s):   |   |
| _____   |   |
| _____   |   |
| _____   |   |

|  |   |
|--|---|
| <b>C.3. Zoning</b>   |   |
| a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance.<br>If Yes, what is the zoning classification(s) including any applicable overlay district?<br><u>Urban Residential 4 (UR-4)</u> | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| b. Is the use permitted or allowed by a special or conditional use permit?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| c. Is a zoning change requested as part of the proposed action?<br>If Yes,<br>i. What is the proposed new zoning for the site? _____   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| <b>C.4. Existing community services.</b>   |   |
| a. In what school district is the project site located? <u>Saratoga Springs Enlarged School District</u>   |   |
| b. What police or other public protection forces serve the project site?<br><u>City of Saratoga Springs Police Dept</u>  |   |
| c. Which fire protection and emergency medical services serve the project site?<br><u>City of Saratoga Springs Fire Dept and Emergency Squad</u>   |   |
| d. What parks serve the project site?<br><u>Congress Park</u>  |   |

**D. Project Details**

|   |   |
|---|---|
| <b>D.1. Proposed and Potential Development</b>  |   |
| a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? <u>Residential</u>  |   |
| b. a. Total acreage of the site of the proposed action? _____ .72 acres<br>b. Total acreage to be physically disturbed? _____ .084 acres<br>c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ .72 acres  |   |
| c. Is the proposed action an expansion of an existing project or use?<br>i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| d. Is the proposed action a subdivision, or does it include a subdivision?<br>If Yes,<br>i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)<br><u>Residential</u><br>ii. Is a cluster/conservation layout proposed? _____<br>iii. Number of lots proposed? <u>2</u><br>iv. Minimum and maximum proposed lot sizes? Minimum <u>12,112</u> Maximum <u>19,524</u>   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| e. Will proposed action be constructed in multiple phases?<br>i. If No, anticipated period of construction: _____ 10 months<br>ii. If Yes:<br>• Total number of phases anticipated _____<br>• Anticipated commencement date of phase 1 (including demolition) _____ month _____ year<br>• Anticipated completion date of final phase _____ month _____ year<br>• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____<br>_____<br>_____ | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

f. Does the project include new residential uses?  Yes  No  
 If Yes, show numbers of units proposed.

|                             | <u>One Family</u> | <u>Two Family</u> | <u>Three Family</u> | <u>Multiple Family (four or more)</u> |
|-----------------------------|-------------------|-------------------|---------------------|---------------------------------------|
| Initial Phase               | _____             | 1                 | _____               | _____                                 |
| At completion of all phases | _____             | 1                 | _____               | _____                                 |

g. Does the proposed action include new non-residential construction (including expansions)?  Yes  No  
 If Yes,  
 i. Total number of structures \_\_\_\_\_  
 ii. Dimensions (in feet) of largest proposed structure: \_\_\_\_\_ height; \_\_\_\_\_ width; and \_\_\_\_\_ length  
 iii. Approximate extent of building space to be heated or cooled: \_\_\_\_\_ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage?  Yes  No  
 If Yes,  
 i. Purpose of the impoundment: \_\_\_\_\_  
 ii. If a water impoundment, the principal source of the water:  Ground water  Surface water streams  Other specify: \_\_\_\_\_  
 iii. If other than water, identify the type of impounded/contained liquids and their source. \_\_\_\_\_  
 iv. Approximate size of the proposed impoundment. Volume: \_\_\_\_\_ million gallons; surface area: \_\_\_\_\_ acres  
 v. Dimensions of the proposed dam or impounding structure: \_\_\_\_\_ height; \_\_\_\_\_ length  
 vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): \_\_\_\_\_

**D.2. Project Operations**

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both?  Yes  No  
 (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)  
 If Yes:  
 i. What is the purpose of the excavation or dredging? \_\_\_\_\_  
 ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?  
 • Volume (specify tons or cubic yards): ~ 1000 cubic yards \_\_\_\_\_  
 • Over what duration of time? 1-2 months \_\_\_\_\_  
 iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.  
 Soil remainder to be trucked to private property on Daniels Road, Town on Greenfield, NY. \_\_\_\_\_  
 iv. Will there be onsite dewatering or processing of excavated materials?  Yes  No  
 If yes, describe. \_\_\_\_\_  
 v. What is the total area to be dredged or excavated? \_\_\_\_\_ .191 acres  
 vi. What is the maximum area to be worked at any one time? \_\_\_\_\_ .084 acres  
 vii. What would be the maximum depth of excavation or dredging? \_\_\_\_\_ 9 feet  
 viii. Will the excavation require blasting?  Yes  No  
 ix. Summarize site reclamation goals and plan: \_\_\_\_\_  
 Reuse topsoil for lawns and gardens. Plant ornamental street trees. \_\_\_\_\_

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area?  Yes  No  
 If Yes:  
 i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): \_\_\_\_\_

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

iii. Will proposed action cause or result in disturbance to bottom sediments?  Yes  No  
 If Yes, describe: \_\_\_\_\_

iv. Will proposed action cause or result in the destruction or removal of aquatic vegetation?  Yes  No  
 If Yes:

- acres of aquatic vegetation proposed to be removed: \_\_\_\_\_
- expected acreage of aquatic vegetation remaining after project completion: \_\_\_\_\_
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): \_\_\_\_\_
- \_\_\_\_\_
- proposed method of plant removal: \_\_\_\_\_
- if chemical/herbicide treatment will be used, specify product(s): \_\_\_\_\_

v. Describe any proposed reclamation/mitigation following disturbance: \_\_\_\_\_

c. Will the proposed action use, or create a new demand for water?  Yes  No  
 If Yes:

i. Total anticipated water usage/demand per day: \_\_\_\_\_ 660 gallons/day

ii. Will the proposed action obtain water from an existing public water supply?  Yes  No

If Yes:

- Name of district or service area: City of Saratoga Springs
- Does the existing public water supply have capacity to serve the proposal?  Yes  No
- Is the project site in the existing district?  Yes  No
- Is expansion of the district needed?  Yes  No
- Do existing lines serve the project site?  Yes  No

iii. Will line extension within an existing district be necessary to supply the project?  Yes  No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: \_\_\_\_\_
- Source(s) of supply for the district: \_\_\_\_\_

iv. Is a new water supply district or service area proposed to be formed to serve the project site?  Yes  No

If, Yes:

- Applicant/sponsor for new district: \_\_\_\_\_
- Date application submitted or anticipated: \_\_\_\_\_
- Proposed source(s) of supply for new district: \_\_\_\_\_

v. If a public water supply will not be used, describe plans to provide water supply for the project: \_\_\_\_\_

vi. If water supply will be from wells (public or private), maximum pumping capacity: \_\_\_\_\_ gallons/minute.

d. Will the proposed action generate liquid wastes?  Yes  No  
 If Yes:

i. Total anticipated liquid waste generation per day: \_\_\_\_\_ 660 gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each):  
sanitary/wastewater ~25%, graywater ~75%

iii. Will the proposed action use any existing public wastewater treatment facilities?  Yes  No  
 If Yes:

- Name of wastewater treatment plant to be used: Saratoga County Wastewater Treatment Plant
- Name of district: Saratoga County Sewer District
- Does the existing wastewater treatment plant have capacity to serve the project?  Yes  No
- Is the project site in the existing district?  Yes  No
- Is expansion of the district needed?  Yes  No

- Do existing sewer lines serve the project site?  Yes  No
- Will line extension within an existing district be necessary to serve the project?  Yes  No

 If Yes:
 

- Describe extensions or capacity expansions proposed to serve this project: \_\_\_\_\_

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iv. Will a new wastewater (sewage) treatment district be formed to serve the project site?  Yes  No  
 If Yes:
 

- Applicant/sponsor for new district: \_\_\_\_\_
- Date application submitted or anticipated: \_\_\_\_\_
- What is the receiving water for the wastewater discharge? \_\_\_\_\_

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge, or describe subsurface disposal plans):  
 \_\_\_\_\_  
 \_\_\_\_\_

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: \_\_\_\_\_  
 \_\_\_\_\_

---

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction?  Yes  No  
 If Yes:
 

- i. How much impervious surface will the project create in relation to total size of project parcel?  
 \_\_\_\_\_ Square feet or \_\_\_\_\_ acres (impervious surface)  
 \_\_\_\_\_ Square feet or \_\_\_\_\_ acres (parcel size)
- ii. Describe types of new point sources. \_\_\_\_\_
- iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?  
 \_\_\_\_\_  
 \_\_\_\_\_
  - If to surface waters, identify receiving water bodies or wetlands: \_\_\_\_\_
  - Will stormwater runoff flow to adjacent properties?  Yes  No

iv. Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater?  Yes  No

---

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations?  Yes  No  
 If Yes, identify:
 

- i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)  
 \_\_\_\_\_
- ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)  
 \_\_\_\_\_
- iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)  
 \_\_\_\_\_

---

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit?  Yes  No  
 If Yes:
 

- i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year)  Yes  No
- ii. In addition to emissions as calculated in the application, the project will generate:
  - \_\_\_\_\_ Tons/year (short tons) of Carbon Dioxide (CO<sub>2</sub>)
  - \_\_\_\_\_ Tons/year (short tons) of Nitrous Oxide (N<sub>2</sub>O)
  - \_\_\_\_\_ Tons/year (short tons) of Perfluorocarbons (PFCs)
  - \_\_\_\_\_ Tons/year (short tons) of Sulfur Hexafluoride (SF<sub>6</sub>)
  - \_\_\_\_\_ Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
  - \_\_\_\_\_ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)?  Yes  No

If Yes:

i. Estimate methane generation in tons/year (metric): \_\_\_\_\_

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): \_\_\_\_\_

---

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations?  Yes  No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): \_\_\_\_\_

---

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services?  Yes  No

If Yes:

i. When is the peak traffic expected (Check all that apply):  Morning  Evening  Weekend  
 Randomly between hours of \_\_\_\_\_ to \_\_\_\_\_.

ii. For commercial activities only, projected number of semi-trailer truck trips/day: \_\_\_\_\_

iii. Parking spaces: Existing \_\_\_\_\_ Proposed \_\_\_\_\_ Net increase/decrease \_\_\_\_\_

iv. Does the proposed action include any shared use parking?  Yes  No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: \_\_\_\_\_

---

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site?  Yes  No

vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles?  Yes  No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes?  Yes  No

---

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy?  Yes  No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: \_\_\_\_\_

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): \_\_\_\_\_

iii. Will the proposed action require a new, or an upgrade to, an existing substation?  Yes  No

---

l. Hours of operation. Answer all items which apply.

|  |   |
|--|---|
| <p>i. During Construction:</p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____ 8am - 6pm</li> <li>• Saturday: _____ 9am - 5pm</li> <li>• Sunday: _____</li> <li>• Holidays: _____</li> </ul> | <p>ii. During Operations:</p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____</li> <li>• Saturday: _____</li> <li>• Sunday: _____</li> <li>• Holidays: _____</li> </ul> |
|--|---|

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both?  Yes  No  
 If yes:  
 i. Provide details including sources, time of day and duration:  
 \_\_\_\_\_  
 \_\_\_\_\_

ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen?  Yes  No  
 Describe: \_\_\_\_\_  
 \_\_\_\_\_

---

n.. Will the proposed action have outdoor lighting?  Yes  No  
 If yes:  
 i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:  
 Front and side door, and external garage door lights. House lights at 8 feet open direction, garage lights at 10 feet open direction. All lighting at least 50 from nearest residence.  
 \_\_\_\_\_

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen?  Yes  No  
 Describe: \_\_\_\_\_  
 \_\_\_\_\_

---

o. Does the proposed action have the potential to produce odors for more than one hour per day?  Yes  No  
 If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:  
 \_\_\_\_\_  
 \_\_\_\_\_

---

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage?  Yes  No  
 If Yes:  
 i. Product(s) to be stored \_\_\_\_\_  
 ii. Volume(s) \_\_\_\_\_ per unit time \_\_\_\_\_ (e.g., month, year)  
 iii. Generally describe proposed storage facilities: \_\_\_\_\_  
 \_\_\_\_\_

---

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation?  Yes  No  
 If Yes:  
 i. Describe proposed treatment(s):  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

ii. Will the proposed action use Integrated Pest Management Practices?  Yes  No

---

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)?  Yes  No  
 If Yes:  
 i. Describe any solid waste(s) to be generated during construction or operation of the facility:  
 • Construction: \_\_\_\_\_ tons per \_\_\_\_\_ (unit of time)  
 • Operation : \_\_\_\_\_ tons per \_\_\_\_\_ (unit of time)  
 ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:  
 • Construction: \_\_\_\_\_  
 \_\_\_\_\_  
 • Operation: \_\_\_\_\_  
 \_\_\_\_\_

iii. Proposed disposal methods/facilities for solid waste generated on-site:  
 • Construction: \_\_\_\_\_  
 \_\_\_\_\_  
 • Operation: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

s. Does the proposed action include construction or modification of a solid waste management facility?  Yes  No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): \_\_\_\_\_

ii. Anticipated rate of disposal/processing:

- \_\_\_\_\_ Tons/month, if transfer or other non-combustion/thermal treatment, or
- \_\_\_\_\_ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: \_\_\_\_\_ years

---

t. Will proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste?  Yes  No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: \_\_\_\_\_

ii. Generally describe processes or activities involving hazardous wastes or constituents: \_\_\_\_\_

iii. Specify amount to be handled or generated \_\_\_\_\_ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: \_\_\_\_\_

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility?  Yes  No

If Yes: provide name and location of facility: \_\_\_\_\_

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility: \_\_\_\_\_

**E. Site and Setting of Proposed Action**

**E.1. Land uses on and surrounding the project site**

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

Urban  Industrial  Commercial  Residential (suburban)  Rural (non-farm)

Forest  Agriculture  Aquatic  Other (specify): Urban Residential

ii. If mix of uses, generally describe: \_\_\_\_\_

---

b. Land uses and covertypes on the project site.

| Land use or Covertype  | Current Acreage | Acreage After Project Completion | Change (Acres +/-) |
|--|-----------------|----------------------------------|--------------------|
| • Roads, buildings, and other paved or impervious surfaces                               | .196            | .280                             | .084               |
| • Forested   |                 |                                  |                    |
| • Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural) |                 |                                  |                    |
| • Agricultural (includes active orchards, field, greenhouse etc.)                        |                 |                                  |                    |
| • Surface water features (lakes, ponds, streams, rivers, etc.)                           |                 |                                  |                    |
| • Wetlands (freshwater or tidal)   |                 |                                  |                    |
| • Non-vegetated (bare rock, earth or fill)   |                 |                                  |                    |
| • Other Describe: _____  |                 |                                  |                    |

c. Is the project site presently used by members of the community for public recreation?  Yes  No  
i. If Yes: explain: \_\_\_\_\_

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d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site?  Yes  No  
If Yes,  
i. Identify Facilities:  
Waldorf Elementary School, Beagle Children's Day School, SUNY Empire College, Presbyterian Church  
\_\_\_\_\_

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e. Does the project site contain an existing dam?  Yes  No  
If Yes:  
i. Dimensions of the dam and impoundment:  
• Dam height: \_\_\_\_\_ feet  
• Dam length: \_\_\_\_\_ feet  
• Surface area: \_\_\_\_\_ acres  
• Volume impounded: \_\_\_\_\_ gallons OR acre-feet  
ii. Dam's existing hazard classification: \_\_\_\_\_  
iii. Provide date and summarize results of last inspection:  
\_\_\_\_\_

---

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility?  Yes  No  
If Yes:  
i. Has the facility been formally closed?  Yes  No  
• If yes, cite sources/documentation: \_\_\_\_\_  
ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:  
\_\_\_\_\_  
iii. Describe any development constraints due to the prior solid waste activities: \_\_\_\_\_

---

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste?  Yes  No  
If Yes:  
i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:  
\_\_\_\_\_  
\_\_\_\_\_

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h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site?  Yes  No  
If Yes:  
i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply:  Yes  No  
 Yes – Spills Incidents database Provide DEC ID number(s): \_\_\_\_\_  
 Yes – Environmental Site Remediation database Provide DEC ID number(s): \_\_\_\_\_  
 Neither database  
ii. If site has been subject of RCRA corrective activities, describe control measures: \_\_\_\_\_  
\_\_\_\_\_  
iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database?  Yes  No  
If yes, provide DEC ID number(s): \_\_\_\_\_  
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):  
\_\_\_\_\_  
\_\_\_\_\_

v. Is the project site subject to an institutional control limiting property uses?  Yes  No

- If yes, DEC site ID number: \_\_\_\_\_
- Describe the type of institutional control (e.g., deed restriction or easement): \_\_\_\_\_
- Describe any use limitations: \_\_\_\_\_
- Describe any engineering controls: \_\_\_\_\_
- Will the project affect the institutional or engineering controls in place?  Yes  No
- Explain: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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**E.2. Natural Resources On or Near Project Site**

a. What is the average depth to bedrock on the project site? \_\_\_\_\_ > 6 feet

b. Are there bedrock outcroppings on the project site?  Yes  No  
 If Yes, what proportion of the site is comprised of bedrock outcroppings? \_\_\_\_\_ %

c. Predominant soil type(s) present on project site: Windsor loamy sand \_\_\_\_\_ 100 %  
 \_\_\_\_\_ %  
 \_\_\_\_\_ %

d. What is the average depth to the water table on the project site? Average: \_\_\_\_\_ feet

e. Drainage status of project site soils:  Well Drained: \_\_\_\_\_ 100 % of site  
 Moderately Well Drained: \_\_\_\_\_ % of site  
 Poorly Drained \_\_\_\_\_ % of site

f. Approximate proportion of proposed action site with slopes:  0-10%: \_\_\_\_\_ 100 % of site  
 10-15%: \_\_\_\_\_ % of site  
 15% or greater: \_\_\_\_\_ % of site

g. Are there any unique geologic features on the project site?  Yes  No  
 If Yes, describe: \_\_\_\_\_  
 \_\_\_\_\_

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)?  Yes  No

ii. Do any wetlands or other waterbodies adjoin the project site?  Yes  No  
 If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency?  Yes  No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name \_\_\_\_\_ Classification \_\_\_\_\_
- Lakes or Ponds: Name \_\_\_\_\_ Classification \_\_\_\_\_
- Wetlands: Name \_\_\_\_\_ Approximate Size \_\_\_\_\_
- Wetland No. (if regulated by DEC) \_\_\_\_\_

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies?  Yes  No  
 If yes, name of impaired water body/bodies and basis for listing as impaired: \_\_\_\_\_  
 \_\_\_\_\_

i. Is the project site in a designated Floodway?  Yes  No

j. Is the project site in the 100 year Floodplain?  Yes  No

k. Is the project site in the 500 year Floodplain?  Yes  No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer?  Yes  No  
 If Yes:  
 i. Name of aquifer: \_\_\_\_\_

|  |  |
|--|--|
| <p>m. Identify the predominant wildlife species that occupy or use the project site: _____<br/>         _____<br/>         _____</p>   |  |
| <p>n. Does the project site contain a designated significant natural community? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span><br/>         If Yes:<br/> <i>i.</i> Describe the habitat/community (composition, function, and basis for designation): _____<br/>         _____<br/> <i>ii.</i> Source(s) of description or evaluation: _____<br/> <i>iii.</i> Extent of community/habitat:</p> <ul style="list-style-type: none"> <li>• Currently: _____ acres</li> <li>• Following completion of project as proposed: _____ acres</li> <li>• Gain or loss (indicate + or -): _____ acres</li> </ul> |  |
| <p>o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></p>   |  |
| <p>p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></p>   |  |
| <p>q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span><br/>         If yes, give a brief description of how the proposed action may affect that use: _____<br/>         _____</p>  |  |
| <b>E.3. Designated Public Resources On or Near Project Site</b>  |  |
| <p>a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span><br/>         If Yes, provide county plus district name/number: _____</p>  |  |
| <p>b. Are agricultural lands consisting of highly productive soils present? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span><br/> <i>i.</i> If Yes: acreage(s) on project site? _____<br/> <i>ii.</i> Source(s) of soil rating(s): _____</p>   |  |
| <p>c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span><br/>         If Yes:<br/> <i>i.</i> Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature<br/> <i>ii.</i> Provide brief description of landmark, including values behind designation and approximate size/extent: _____<br/>         _____</p>  |  |
| <p>d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span><br/>         If Yes:<br/> <i>i.</i> CEA name: _____<br/> <i>ii.</i> Basis for designation: _____<br/> <i>iii.</i> Designating agency and date: _____</p>   |  |

|   |   |
|---|---|
| e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| If Yes:   |   |
| <i>i.</i> Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site <input checked="" type="checkbox"/> Historic Building or District  |   |
| <i>ii.</i> Name: <u>Circular Street Historic District</u>   |   |
| <i>iii.</i> Brief description of attributes on which listing is based:<br><u>historic homes</u>   |   |
| f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?   | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| g. Have additional archaeological or historic site(s) or resources been identified on the project site?   |   |
| If Yes:   |   |
| <i>i.</i> Describe possible resource(s): _____  |   |
| <i>ii.</i> Basis for identification: _____  |   |
| h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| If Yes:   |   |
| <i>i.</i> Identify resource: <u>Saratoga Springs Open Space Resources 2002</u>  |   |
| <i>ii.</i> Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): <u>City roadway entry corridors, State Park, farms</u>   |   |
| <i>iii.</i> Distance between project and resource: _____ <u>.5 - .5</u> miles.  |   |
| i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| If Yes:   |   |
| <i>i.</i> Identify the name of the river and its designation: _____   |   |
| <i>ii.</i> Is the activity consistent with development restrictions contained in 6NYCRR Part 666?   |   |
| <input type="checkbox"/> Yes <input type="checkbox"/> No  |   |

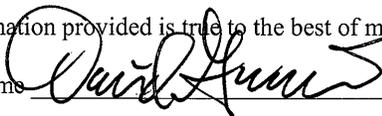
**F. Additional Information**

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

**G. Verification**

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name  Date 9-22-16

Signature \_\_\_\_\_ Title \_\_\_\_\_

# City of Saratoga Springs Complete Streets Checklist

**Saratoga Springs Complete Street Policy Vision (May 2012)**

*The City of Saratoga Springs Complete Streets Policy will encourage the development of a complete streets network throughout the City to create a more balanced transportation system. The Policy shall be consistent with and assist in achieving the goals and recommendations set forth in the City's Comprehensive Plan and other policy documents. The Policy shall ensure new and updated public and private projects are planned, designed, maintained and operated to enable safer, comfortable and convenient travel to the greatest extent possible for users of all abilities including pedestrians, bicyclists, motorists and transit riders.*

This checklist is intended to assist the City in achieving its vision for complete streets.

**Project Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Project Location / Limits:** \_\_\_\_\_

**Project Description:** \_\_\_\_\_

**Instructions: For each box checked, please provide a brief description for how the item is addressed, not addressed, or not applicable and include supporting documentation.**

Street Classification (identify street or streets within the project area)

Principal arterial     Minor arterial     Mixed use collector     Mixed use local   
 Residential collector     Residential local     Special use street

### EXISTING CONDITIONS

| Item to Be Addressed/ Checklist Consideration  | YES                      | NO                       | N/A                      | Required Description |
|--|--------------------------|--------------------------|--------------------------|----------------------|
| <b>Existing Bicycle &amp; Pedestrian Operations</b>  |                          |                          |                          |                      |
| Do bicycle and pedestrian accommodations exist? (see page 2 for examples)  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| <b>Existing Transit Operations</b>   |                          |                          |                          |                      |
| Do transit facilities exist within the study area, including bus and train stops/stations?   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Is the project area on a transit route? ( <a href="#">CDTA Service Routes</a> )  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Are there bicycle racks, shelters, or parking for transit riders available?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| <b>Existing Access and Mobility</b>  |                          |                          |                          |                      |
| Do connective opportunities exist with schools, hospitals, senior care or community centers or persons with disabilities within project area?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Are there gaps inhibiting continuous access between schools, hospitals, senior care, or community centers or persons with disabilities within project area?"   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| <b>Project Area Context</b>  |                          |                          |                          |                      |
| Are there prominent landmarks, recreation, shopping, employment center, cultural centers or other key destinations that offer opportunities to connect this site?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Please list and/or describe planning or policy documents addressing bicyclist, pedestrian, transit, or truck/ freight use for the project area. Examples can include: <a href="#">City of Saratoga Springs Comprehensive Plan</a> , <a href="#">City of Saratoga Springs Open Space Plan</a> , <a href="#">Capital District Transportation Committee Bicycle/ Pedestrian Priority Network</a> , <a href="#">City Standard Details</a> , etc. |                          |                          |                          |                      |
|  |                          |                          |                          |                      |

**PROPOSED DESIGN**

| Item to Be Addressed/ Checklist Consideration | YES                      | NO                       | N/A                      | Required Description |
|---|--------------------------|--------------------------|--------------------------|----------------------|
| <b>Complete Streets Design</b>                |                          |                          |                          |                      |
| Bicyclist accommodations?                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Pedestrian accommodations?                    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Access and Mobility accommodations?           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Transit accommodations?                       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Truck/ freight accommodations?                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |
| Streetscape elements?                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |                      |

| <b>Bike Facilities:</b>   |  |
|---|--|
| Off-roadway bike accommodations   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Dedicated bike lane   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Shared-use lane   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Shoulder  | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Acceptable actuated traffic signal bike detection, including turn lanes                           | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Do signals allow adequate minimum green time for bicyclist to safely cross intersection?          | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Signage and pavement markings specific to proposed bike facilities                                | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Bicycle safe inlet grates   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Bicycle parking, eg. bike racks, bike lockers   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| <b>Transit Facilities:</b>  |  |
| Transit shelters  | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Bus turnouts  | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Standing pads   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Has CDTA been contacted?  | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| <b>Access and Mobility Facilities:</b>  |  |
| Adequate sidewalk or paved path   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Acceptable consideration/provision for accessible pedestrian traffic signal features              | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Curb ramps, including detectable warning surface  | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Acceptable slope and cross-slope for driveway ramps, sidewalks, crossings)                        | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Have conflicts been reduced among pedestrian, bicyclists, and motor vehicles (access management)? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |

| <b>Pedestrian Facilities:</b>  |  |
|--|--|
| Sidewalks on both sides of the street  | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Striped crosswalks   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Geometric modifications to reduce crossing distances such as curb extensions (e.g. bulb-outs)      | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Acceptable provision for pedestrian traffic signal features (e.g. ped. buttons)                    | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Pedestrian signage for crossing & wayfinding   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Safety islands/medians on roadways with two or more traffic lanes in each direction                | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Enhanced supplemental pedestrian treatments at uncontrolled marked crossings                       | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| <b>Connectivity:</b>   |  |
| Are there proposed connections to other bike paths, pedestrian facilities, or transit facilities?  | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Are there proposed connections to any key destinations listed on page 1?                           | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Are there proposed connections to neighborhoods?   | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| <b>Streetscape Elements:</b>   |  |
| Are streetscape elements proposed such as landscaping, street trees, planters, buffer strips, etc? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Pedestrian-level lighting  | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Public seating or benches  | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |

**Design Standards and Guidelines**

|  |                              |                             |                             |          |
|--|------------------------------|-----------------------------|-----------------------------|----------|
| Design meets guidelines such as described below for bicycle/pedestrian/bus/transit facilities? | <input type="checkbox"/> Yes | <input type="checkbox"/> No | <input type="checkbox"/> NA | Describe |
|--|------------------------------|-----------------------------|-----------------------------|----------|

*\*American Association of State Highway and Transportation Officials (AASHTO) - A Policy on Geometric Design of Highway and Streets, Guide for the Development of Bicycle Facilities and AASHTO Guide for the Planning, Design, and Operation of Pedestrian Facilities; Public Right-of-Way Accessibility Guide (PROWAG); Manual on Uniform Traffic Control Devices (MUTCD); Americans with Disabilities Act Accessibility Guidelines (ADAAG); National Association of City Transportation Officials (NACTO) - Urban Bikeway Design Guide. New York State Department of Transportation – Highway Design Manual*



**City of Saratoga Springs**  
**OFFICE OF PUBLIC WORKS**  
 5 Lake Avenue  
 Saratoga Springs, New York 12866

ANTHONY J. SCIROCCO  
 COMMISSIONER

TIMOTHY J. COGAN  
 DEPUTY COMMISSIONER

Phone 518-587-3550 \*\* Fax 518-587-2417  
 www.saratoga-springs.org



**NEW WATER SERVICE CONNECTION**  
**AGREEMENT & APPLICATION FORM**

Property Owner's Name: David Goasink Project Name (if applicable): \_\_\_\_\_

Property Address: 21 Park Place Tax Map#: \_\_\_\_\_

**Size of Tap (check one below):**

3/4"  1"

**Greater than 1"**

A unit of water shall be defined as fourteen thousand (14,000) cubic feet of water per year.

Contact the Water Dept at ext. 2502 for assistance with water use estimation and meter specifications before signing below.

Number of Dwellings: 2 (Units - one lot - subject to change) Estimated Cubic Feet of Water per Year: \_\_\_\_\_

To be completed in full without any contingencies or protest, on or before the Building Inspector approval of the rough plumbing, including the installation of the water meter, or at the time of the issuance of a tapping permit.

The undersigned represents to the City that they have full and complete authority to execute this document and bind and commit the developer to abide by the City Water Ordinance. This agreement shall be binding on all of the undersigned transferees.

The undersigned acknowledges that a copy of this document will be delivered to all appropriate and necessary governmental entities.

Authorized Signature: [Signature] Company Name: \_\_\_\_\_

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

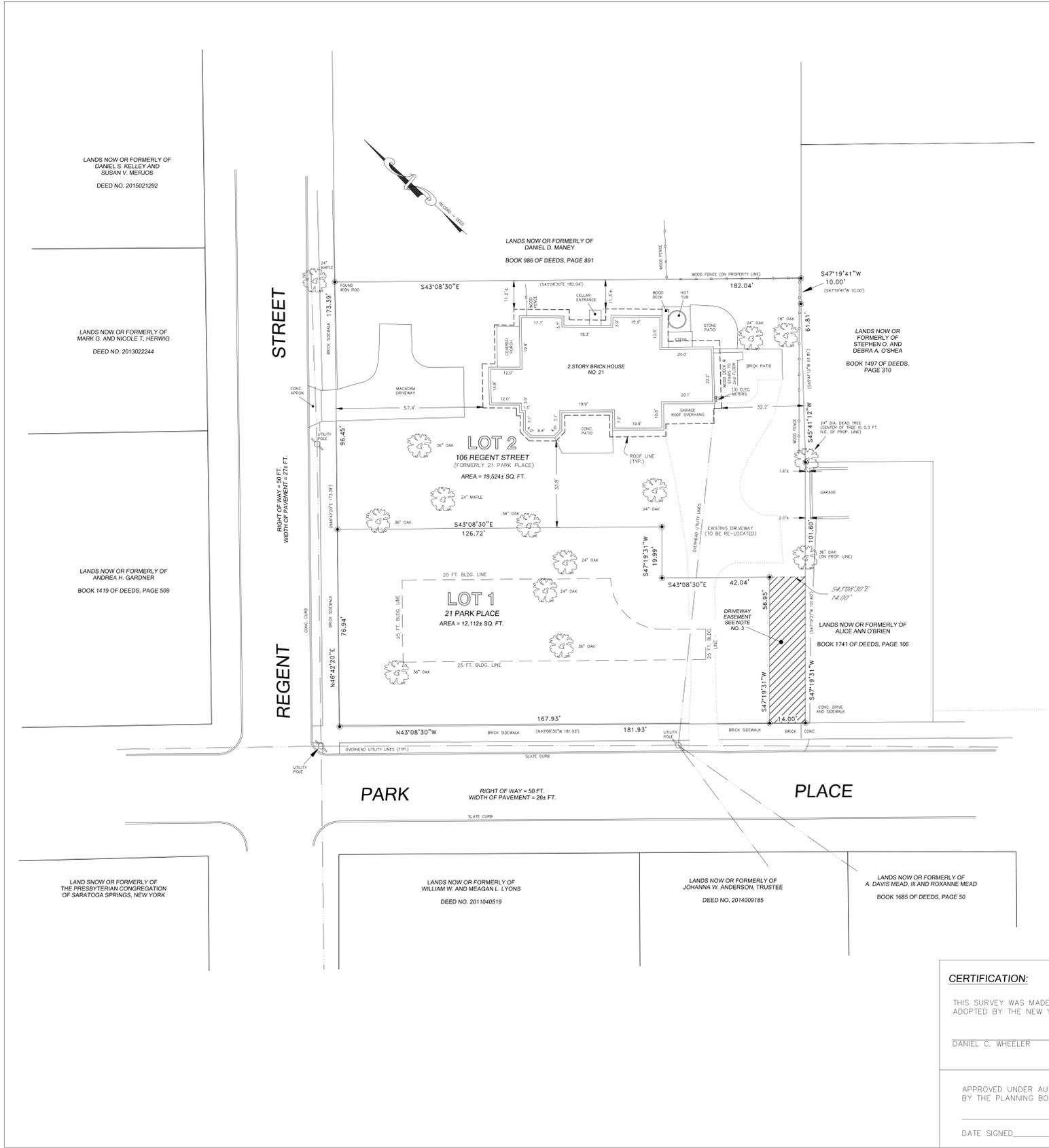
Phone Number: [Redacted] Fax Number: - Date: 6-21-16

Department of Public Works Approval: [Signature] Date: 6/21/16

## Sitework Cost Estimate / Financial Guarantee Amount

|                     |  |                             |            |
|---------------------|--|-----------------------------|------------|
| <b>Project No.:</b> | RE-748-B                                 | <b>City Project Number:</b> | PB# XX.XXX |
| <b>Project:</b>     | 21 Park Place Subdivision                | <b>Date:</b>                | 9/6/2016   |
| <b>Location:</b>    | 21 Park Place                            | <b>Rev:</b>                 | 0          |
| <b>Estimator:</b>   | Frank T. Owens, Rexford Engineering PLLC |                             |            |

| No.   | Item                                   | Quantity | Unit | Unit Cost | Sub Total          | ROW/Site |
|---|--|----------|------|-----------|--------------------|----------|
| <b>A</b>                                      | <b>Demolition and Site Clearing</b>    |          |      |           |                    |          |
|   | Tree Removal                           | 2        | EA   | \$975.8   | \$1,952            | Site     |
|   | Remove Asphalt Driveway                | 319      | SY   | \$1.0     | \$319              | Site     |
|   | Remove Aprons                          | 8        | SY   | \$1.0     | \$8                | ROW      |
|   | Remove Sidewalk                        | 250      | SF   | \$2.2     | \$538              | ROW      |
|   | Remove Curb Park Place                 | 160      | LF   | \$7.4     | \$1,190            | ROW      |
| <b>B</b>                                      | <b>Excavation and Grading</b>          |          |      |           |                    |          |
|   | Strip Top Soil and Stockpile           | 136      | CY   | \$4.0     | \$545              | Site     |
|   | Stabilized Construction Entrances      | 127      | SY   | \$11.0    | \$1,393            | Site     |
|   | Install Silt Fencing                   | 482      | LF   | \$3.6     | \$1,721            | Site     |
|   | Install Tree Protection Fencing        | 281      | LF   | \$1.0     | \$281              | Site     |
|   | Excavate for Driveway                  | 206      | CY   | \$3.7     | \$769              | Site     |
|   | Spread Topsoil                         | 50       | CY   | \$15.8    | \$788              | Site     |
| <b>C</b>                                      | <b>Utilites</b>                        |          |      |           |                    |          |
|   | Saw Cut Pavement                       | 31       | SY   | \$3.6     | \$111              | ROW      |
|   | Sanitary Line Install (6" SDR-35)      | 25       | LF   | \$20.0    | \$500              | Site     |
|   | Sanitary Line Install (6" SDR-35)      | 20       | LF   | \$23.8    | \$476              | ROW      |
|   | Water Line Install (1" Copper Service) | 25       | LF   | \$22.0    | \$550              | Site     |
|   | Water Line Install (1" Copper Service) | 20       | LF   | \$26.2    | \$524              | ROW      |
|   | Sanitary Cleanout                      | 1        | EA   | \$650.0   | \$650              | Site     |
| <b>D</b>                                      | <b>Improvements</b>                    |          |      |           |                    |          |
|   | Repaire 50' of 5' Brick Sidewalk       | 250      | SF   | \$9.5     | \$2,380            | ROW      |
|   | New Concrete Curbing                   | 160      | LF   | \$19.0    | \$3,046            | ROW      |
|   | Sternberg LED D650                     | 2        | EA   | \$2,500.0 | \$5,000            | ROW      |
|   | Pedestrian Ramps                       | 45       | SF   | \$6.0     | \$268              | ROW      |
|   | Asphalt Aprons                         | 7        | SY   | \$27.4    | \$182              | ROW      |
|   | Asphalt Driveways                      | 309      | SY   | \$27.4    | \$8,454            | Site     |
| <b>E</b>                                      | <b>Landscaping</b>                     |          |      |           |                    |          |
|   | Fine Grade & Seed                      | 160      | SY   | \$1.4     | \$228              | Site     |
| <b>G</b>                                      | <b>As Built Drawing</b>                | 1        | EA   | \$2,200.0 | \$2,200            | ROW      |
|   | <b>Total On Site</b>                   |          |      |           | \$ 18,150.85       | 25%      |
|   | <b>Total Off Site (ROW)</b>            |          |      |           | \$ 15,923.54       | 100%     |
| <b>Proposed Letter of Credit (LOC) Amount</b> |  |          |      |           | <b>\$20,461.25</b> |          |



**NOTES:**

- 1.) THIS SURVEY WAS DONE WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE OR A TITLE REPORT.
- 2.) BEARINGS AND DISTANCES IN PARENTHESIS ARE PER BOOK 1504 OF DEEDS AT PAGE 69.
- 3.) THE CROSS-HATCHED AREA REPRESENTS AN EASEMENT FOR A SHARED DRIVEWAY.

**ZONING INFORMATION:**

ZONING DISTRICT: UR-4  
 MINIMUM LOT SIZE: 3,000 SF/D.U.  
 MINIMUM MEAN LOT WIDTH: 100 FT.  
 MAXIMUM PERCENT OF LOT TO BE OCCUPIED BY:  
 PRINCIPAL BUILDING: 25 %  
 ACCESSORY BUILDING: 15%  
 MINIMUM YARD DIMENSIONS:  
 FRONT: 25 FT.  
 REAR: 25 FT.  
 ONE SIDE: 20 FT.  
 TOTAL SIDE: 45 FT.  
 PRINCIPAL BUILDING:  
 MINIMUM FIRST FLOOR AREA:  
 1 STORY: 1,800 SQ. FT.  
 2 STORY: 1,200 SQ. FT.  
 MAXIMUM BUILDING HEIGHT: 70 FT.  
 MINIMUM DISTANCE FROM ACCESSORY BUILDING TO:  
 PRINCIPAL BUILDING: 10 FT.  
 FRONT LOT LINE: 25 FT.  
 SIDE LOT LINE: 5 FT.  
 REAR LOT LINE: 5 FT.  
 MINIMUM PERCENT OF LOT TO BE PERMEABLE: 15%

**DEED REFERENCE:**

- 1.) DEED DATED NOVEMBER 9, 1998 FROM THOMAS PERSONS, AS QUALIFIED INTERMEDIARY FOR JOHN TORANI, TO DAVID P. GUARINO AND LINDA E. HANER AND RECORDED IN THE SARATOGA COUNTY CLERK'S OFFICE IN BOOK 1504 OF DEEDS AT PAGE 69.

**CITY OF SARATOGA SPRINGS - STANDARD NOTES:**

- 1.) ALL WORK MUST CONFORM TO ALL FEDERAL, STATE AND CITY CODES, SPECIFICATIONS, ORDINANCES, RULES AND REGULATIONS.
- 2.) ELEVATIONS ESTABLISHED FROM INFORMATION SUPPLIED BY THE CITY OF SARATOGA SPRINGS ENGINEER'S OFFICE.
- 3.) ALL REFUSE, DEBRIS AND MISCELLANEOUS ITEMS TO BE REMOVED SHALL BE LEGALLY DISPOSED OF OFF-SITE BY THE CONTRACTOR TO A LOCATION APPROVED BY THE CITY ENGINEER.
- 4.) THE CONTRACTOR MUST SET UP A PRE-CONSTRUCTION MEETING WITH THE CITY ENGINEER PRIOR TO ANY CONSTRUCTION. CONSTRUCTION INSPECTIONS BY A DESIGNATED REPRESENTATIVE OF THE APPLICANT/DEVELOPER ARE REQUIRED. THE COST OF THE CONSTRUCTION INSPECTION IS THE RESPONSIBILITY OF THE APPLICANT/DEVELOPER. AN ESCROW ACCOUNT TO COVER THE COST OF THE INSPECTIONS MUST BE ESTABLISHED PRIOR TO ANY CONSTRUCTION.
- 5.) THE CONTRACTOR MUST OBTAIN A BLASTING PERMIT FROM THE BUILDING INSPECTOR IF ANY BLASTING IS REQUIRED FOR THE PROJECT.
- 6.) THE CONTRACTOR MUST OBTAIN A STREET OPENING PERMIT ISSUED BY THE DEPARTMENT OF PUBLIC WORKS FOR ANY WORK IN THE STREET OR RIGHT OF WAY OF ANY CITY STREET, ROAD OR ALLEY.
- 7.) ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT OR DEBRIS ONTO A PUBLIC ROAD.
- 8.) NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED UNTIL ALL SITE WORK HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS AND AN AS-BUILT DRAWING HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY ENGINEER.

**TAX MAP NO.**

CURRENT PROJECT TAX MAP PARCEL NO.: 165.84-1-1

**AREA**

TOTAL AREA OF SUBDIVISION IS 31,636± SQ. FT.

**SURVEY** DANIEL C. WHEELER, LS  
**ASSOCIATES, LLC**  
 PROFESSIONAL LAND SURVEYING

432 BROADWAY, SUITE 5, SARATOGA SPRINGS, NY 12866  
 PH. (518) 583-7302 FAX (518) 583-7303

UNAUTHORIZED ALTERATION OR ADDITION TO THIS MAP IS A VIOLATION OF ARTICLE 145, SECTION 7209, SUB-PARAGRAPH (2) OF THE NEW YORK STATE EDUCATION LAW.

**PROJECT OWNER/DEVELOPER**  
 DAVID P. GUARINO AND LINDA E. HAYNER  
 21 PARK PLACE  
 SARATOGA SPRINGS, NEW YORK 12866  
 PHONE: 518-477-3485

PLANNING BOARD PROJECT NO. 16.XXX

**TITLE:**  
SUBDIVISION PLAN  
**21 PARK PLACE SUBDIVISION**

**LOCATION:** CITY OF SARATOGA SPRINGS (INSIDE DISTRICT) SARATOGA COUNTY, NEW YORK  
**DATE:** AUGUST 10, 2016

**SCALE:** 1 INCH = 20 FEET  
**SHEET 1 OF 4**  
**MAP NO. 2016-07-04**

**CERTIFICATION:**  
 THIS SURVEY WAS MADE IN ACCORDANCE WITH THE EXISTING CODE OF PRACTICE ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

DANIEL C. WHEELER P.L.S. LIC. NO. 50,137

APPROVED UNDER AUTHORITY OF A RESOLUTION ADOPTED BY THE PLANNING BOARD OF THE CITY OF SARATOGA SPRINGS.

\_\_\_\_\_  
 CHAIRPERSON  
 DATE SIGNED \_\_\_\_\_

# WATER, SANITARY & SEDIMENT CONTROL

## ENGINEERING REPORT

### 21 PARK PLACE SUB-DIVISION

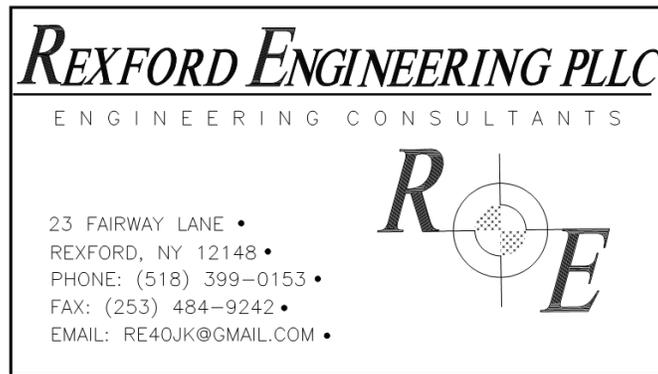
File No. 2016-1

21 PARK PLACE

SARATOGA SPRINGS, NEW YORK 12866

Applicant: David P. Guarino & Linda E. Haner

Prepared by:



September 21, 2016

**Introduction:**

Rexford Engineering PLLC has been retained by the applicants David P. Guarino and Linda E. Haner of 21 Park Place, Saratoga Springs, New York to provide land planning and site/civil engineering services in connection with the subdivision application for 21 Park Place, Saratoga Springs, New York 12866, tax map number 166.84-1.1. Subdivision approval will be required from the Planning Board which includes all requirements listed on the City of Saratoga's Preliminary/Final Subdivision Approval Required Submittal Checklist. This report fulfills Item 6 under the Required Items part of that checklist and accompanies Rexford Engineering PLLC drawings V1, S1, S2 and S3. V1 is the vicinity plan, S1 is the subdivision plat, S2 is the sediment and erosion control plan and S3 contains site plan details.

**Description of Intended Site Development & Use:**

21 Park Place is located on the corner of Park Place and Regent Street in Saratoga Springs New York. The 31,363 square foot (0.72 acre) lot has an existing building approximately 5390 square foot in living area containing three dwelling units. There is one 3 bedroom dwelling on the first floor and two 2 bedroom dwellings on the second floor. The building is accessed by two separate driveways, one from Park Place and one from Regent Street. The lot area is nearly level with a maximum elevation difference of 2-3'. The grounds are grassy with ten to eleven fully mature 24 to 36" oak trees.

The proposed subdivision of this parcel would result in dividing the single lot into two lots. The existing lot address would change from 21 Park Place to 106 Regent Street. This lot would retain the two driveways currently used for the property (one on Regent and one on Park Place). The Park Place driveway will be a shared driveway by way of an easement. The existing Park Place driveway for the proposed 106 Regent Street lot will be slightly modified to widen it to 10 feet and move the driveway closer to the eastern property line. This will maximize the new lots boundary and parking for the existing lot. The resulting 106 Regent Street lot would be 19,524 square feet (0.448 acres) in total and 54% impermeable post construction.

A second lot on the existing parcel would be created and marketed for sale. This lot is assumed to accommodate a single two family home (2 dwelling units) and a detached 2 car garage. The new lot would have an address of 21 Park Place and be 12,112 square feet (0.278 acres) in area. The 21 Park Place address would be accessible via shared driveway from Park Place. The new lot will be 34% impermeable.

Compliance with the requirements of Table 3 of the City of Saratoga Springs Zoning Ordinance is as shown on the subdivision plat, S1.

Municipal water and sewer exists along both Regent Street as well as Park Place. The new lot, being within the boundary of the current property lines of 21 Park Place would also be served by these municipal services. Natural gas and electric utilities are also available along both streets.

**Water Report:**

Municipal water service is currently provided by the City of Saratoga Springs. A 4" diameter water main runs along both Regent Street and Park Place. The existing residence is connected to the water main from the Regent Street side. The new lot will require a 1" diameter water service line which will tap into the 4" water main on Park Place approximately as shown on S1.

On July 14, 2015 at 10:30 a.m. North East Fire Protection Systems Incorporated performed a hydrant flow test per NFPA 291. The hydrant flow test indicated static pressures in the area of Park Place and Regent Street of 71 pounds per square inch (psi). During the flow test, the hydrant flow, running at approximately 435 gallons per minute (GPM), caused the residual pressure at the test hydrant to drop to 46 psi giving a theoretical available flow of approximately 639 GPM at 20 psi. Refer to Attachment A for the Hydrant Flow Test Report provided by Northeast Fire Protection Systems, Inc. This flow is adequate for Class B and C hydrants.

Currently, there are 7 bedrooms within the 3 dwelling units on the property. Using a standard use rate of 110 gallons per capita day<sup>Note1</sup> (gpcd) the existing property can be estimated to have a total use of 770 gpd. This equates to an annual water consumption usage of 281,000 gallons.

The new lot will accommodate a two family home with conceivably 3 bedrooms per dwelling unit. In this assumption an additional 660 gpd can be expected. The total annual water consumption would increase by 241,000 gallons to 522,000 gallons (1,430 gallons per day).

The average daily demand for water to both lots is approximately 1 gpm over a 24 hour period. The maximum daily demand is 2 gpm based on twice the average. The peak hourly flow is approximately 4.2 gpm based on 4.2 times the average. Instantaneous peak demand is estimated at 40 gpm<sup>Note4</sup>.

Connections and appurtenances, including mechanical joints, tees, isolation valves, thrust blocks, trenching, bedding, service connections, as well as testing and disinfection will all be specified in accordance with City of Saratoga Springs standards.

### **Sanitary Report:**

Municipal sewer is provided along both Park Place and Regent Street. There is an 8" sanitary sewer main located on Regent Street and a 10" main located on Park Place. An existing service line connects the existing building to the sanitary sewer main on the Regent Street side. The new lot would support a two family dwelling. A two dwelling unit building would be expected to use a 4" to 6" diameter PVC service line connecting to the 10" Park Place sanitary main.

There are 7 bedrooms within the 3 dwelling units currently on the property. Using a standard sanitary sewer of 110 gallons per capita day (gpcd)<sup>Note1</sup> the existing property can be estimated to have an annual sanitary flow of 281,000 gallons.

The new lot will accommodate a two family home with conceivably 3 bedrooms per dwelling unit. In this assumption an additional 660 gpd can be expected. The total wastewater flow rate would increase by 241,000 gallons to 522,000 gallons (1,430 gallons per day).

The average daily flow for wastewater to the Park Place and Regent sanitary mains for both lots is approximately 1 gpm over a 24 hour period. The estimated peak hourly flow is approximately 4.2 gpm based on 4.2 times the average.

Pipe, trenching, bedding, service connections, and testing will all be specified in accordance with City of Saratoga Springs minimum standards.

**Soil Conditions:**

The site soil type is Windsor loamy sand (WnA), nearly level, hydrologic soil group A. The depth to any restrictive feature is greater than 80 inches. The soil is classified as excessively drained with percolation tests resulting in infiltration rates in excess of 5 in/hr, confirmed by Falling Head testing conducted by Daniel G. Loucks P.E. Geotechnical Engineering in December of 2014.

Storm sewer catch basins exist at the intersection of Park Place and Regent Street and connect into a 12" storm sewer main. Due to the small scale of residential construction and highly draining soil the project is not expected to create significant additional stormwater flows. The addition of landscaping and small rain garden type features near downspouts will be very effective.

**Sediment & Erosion Control:**

A sediment and erosion control plan has been developed in order to specify minimum controls and measures to reduce sediment runoff during construction. A construction entrance has been specified to accommodate the construction of both the new lot and the expanded driveway construction of the existing lot if they happen simultaneously. A potential topsoil storage area for foundation backfill and topsoil has been identified on S2 and will be surrounded by silt fencing. In general, excavated soil for foundations that will not be retained for backfill and topsoil grading will be shipped off site daily. Concrete trucks are not allowed to wash on the premises. Sediment fencing has been specified on three sides of the project area to reduce off site erosion migration. A total of 0.12 acre will be temporarily disturbed during this residential construction.



Frank T. Owens P.E.  
Rexford Engineering PLLC

**Notes**

1. From Table 1, Appendix 75-A Wastewater Treatment Standards - Residential Onsite Systems (110 gallons per day per bedroom)
2. From Figure 1, GLUMRB Recommended Standards for Wastewater Facilities  
 $Q = (18 + P^{1/2}) \div (4 + P^{1/2})$  where P = population in thousands
3. From Tables XIV Community Water Systems Source Book, Ameen (4.3 gpm/residence)
4. From Tables XIV Community Water Systems Source Book, Ameen (8.0 gpm/residence)



# North East Fire Protection Systems Inc.

P.O. BOX 508 BURNT HILLS, N.Y. 12027 (518) 885-1115 FAX (518) 885-0526  
 Email: JimFC@NEFPSI.com

## HYDRANT FLOW TEST REPORT

LOCATION: SOUTH EAST ST @ PARK PLACE

TEST HYDRANT COTTAGE @ PARK PLACE

TEST BY: JIM FANTAUZZI / CAROL STEW

DATE: 7-14-15 TIME: 10:30 AM

TARGET HYD. LOCATION (B) CORNER OF SOUTH EAST @ PARK PLACE

TEST RESULTS: STATIC PRESSURE (B) \_\_\_\_\_ PSI

RESIDUAL PRESSURE (B) (13.9) 24 PSI WITH \_\_\_\_\_ (A) GPM FLOWING

RESIDUAL PRESSURE (B) (2.2) 8 PSI WITH \_\_\_\_\_ (A) GPM FLOWING

FLOW HYD. LOCATION (A) SOUTH EAST @ PARK PLACE

448) .97 1) PORT FLOWED (A) 1.34 DIAMETER \_\_\_\_\_

527 x .90 2) PORT FLOWED (A) 2.2 DIAMETER \_\_\_\_\_

3) PORT FLOWED (A) \_\_\_\_\_ DIAMETER \_\_\_\_\_

1) PITOT or FLOW METER READING (A) 71 PSI AT 0 GPM

2) PITOT or FLOW METER READING (A) 46 PSI AT 435 GPM

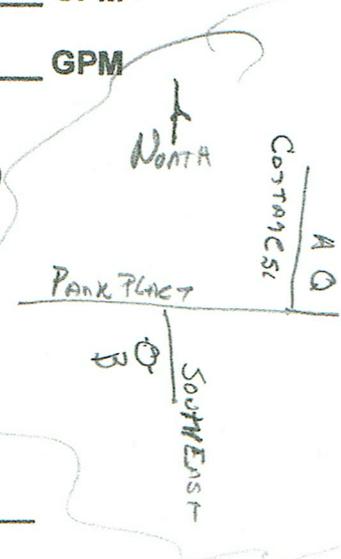
3) PITOT or FLOW METER READING (A) 35 PSI AT 474 GPM

OUTLET COEFFICIENT USED .97 / .90  
 (smooth 0.90) (square & sharp 0.88) (projecting into barrel 0.77)

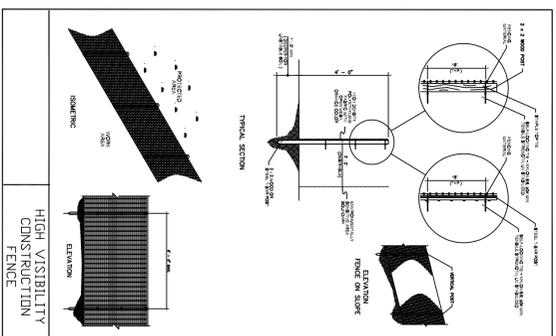
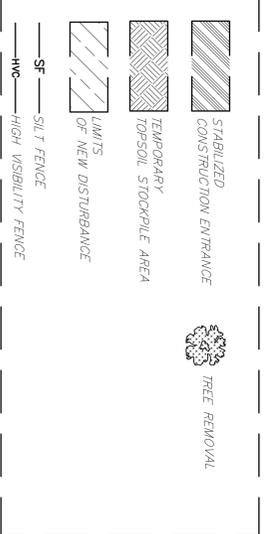
$$Q_{20} = Q \left( \frac{P_s - P_{20}}{P_s - P} \right)^{.54} = 485 \left( \frac{71 - 20}{71 - 46} \right)^{.54} = 639$$

ESTIMATED FLOW AT 20 PSI 639 GPM

LOCATION SKETCH ATTACHED? YES  NO \_\_\_\_\_

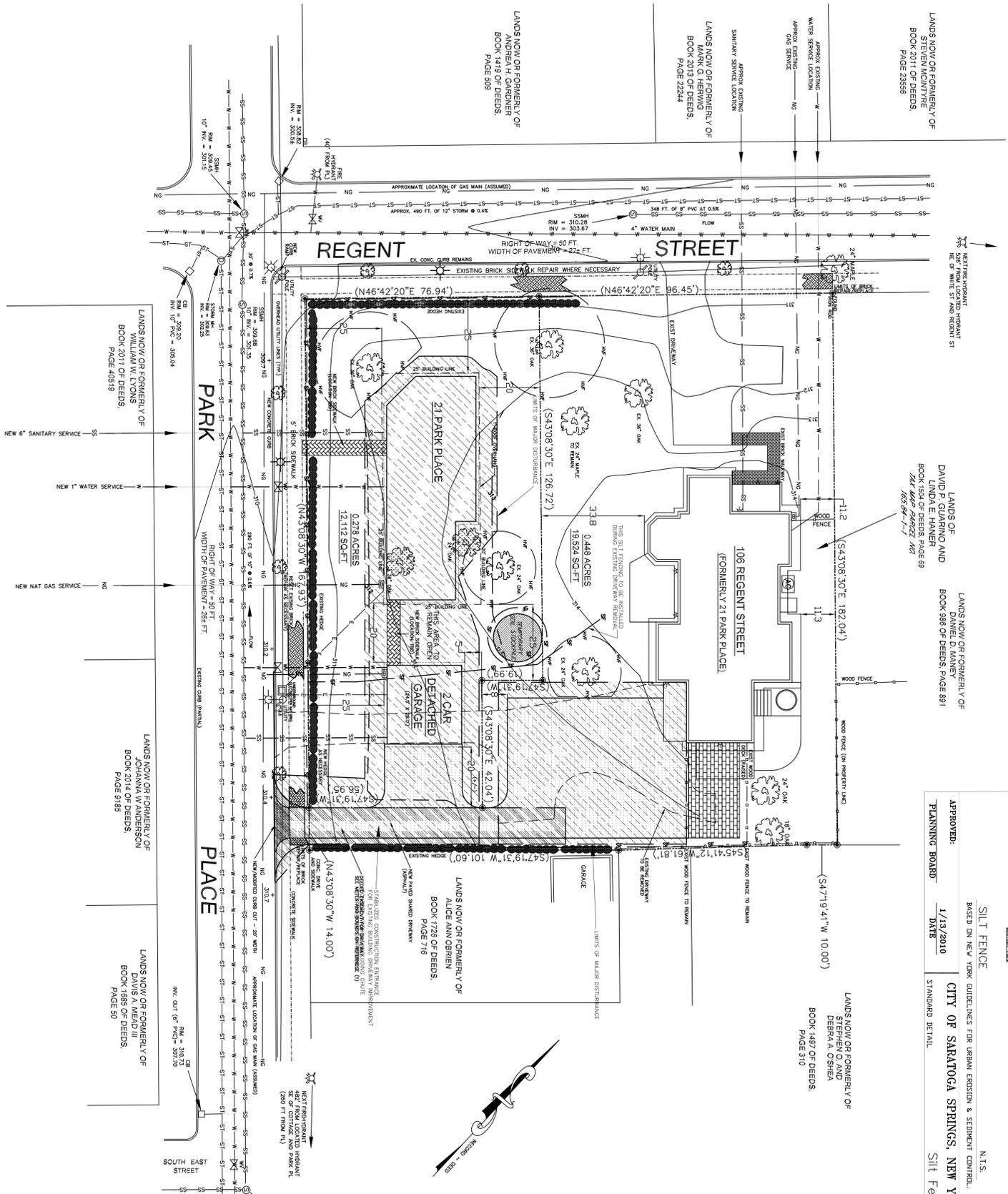






**TREE PROTECTION NOTES**

- TREES WILL BE PROFESSIONALLY PRUNED PRIOR TO CONSTRUCTION, FOLLOWING ALL CERTIFIED ARBORIST INSTRUCTIONS, AND BRANCHES THAT COULD BE DAMAGED WILL BE REMOVED.
- HIGH VISIBILITY ORANGE PROTECTIVE FENCING ON FLANGED POSTS WILL BE INSTALLED PER DETAIL ABOVE TO FORM A TREE PROTECTION ZONE. FENCE SHALL BE MAINTAINED IN GOOD CONDITION THROUGHOUT THE ENTIRETY OF THE PROJECT.
- FENCING SHALL BE PLACED USING THE GENERALLY ACCEPTED TRUNK DIAMETER METHOD (FITE & SMILEY, 2008 "MANAGING TREES FOR CONSTRUCTION"). [MEASURE THE DIAMETER OF THE TREE 6" ABOVE THE GROUND AND MULTIPLY BY 6 TO DETERMINE THE RADIUS OF THE PROTECTIVE FENCING].
- PLACE FENCING PER MINIMUM DIAMETER FOUND IN 3 ABOVE WHERE POSSIBLE AROUND TREES TO BE PROTECTED. WHERE CONSTRUCTION AREAS OR STRUCTURES COINCIDE WITH MINIMUM DIAMETER LOCATE FENCING AS CLOSE AS PRACTICAL TO MINIMUM DIAMETER.
- NO VEHICLES WILL BE ALLOWED TO DRIVE IN THE TREE PROTECTION ZONE.
- NO CHEMICALS OR MATERIALS WILL BE DUMPED IN THE TREE PROTECTION ZONE.
- NO MATERIALS WILL BE STORED IN THE TREE PROTECTION ZONE.
- TREATMENT OF EXPOSED ROOTS: ROOTS GREATER THAN 1-1/2" IN DIAMETER WILL BE CLEARLY CUT AND WRAPPED IN WET BURLAP. SOAKER HOSES MAY BE NEEDED TO KEEP THE BURLAP WET. BURLAP WILL BE REMOVED PRIOR TO BACKFILLING.
- WORK WITHIN THE TREE PROTECTION ZONE WILL BE DONE MANUALLY.
- FENCE MAY BE REMOVED OR ADJUSTED FOR DRIVEWAY, WALKWAY AND LANDSCAPING CONSTRUCTION ACTIVITIES.



**SILT FENCE**

BASED ON NEW YORK GUIDELINES FOR URBAN EROSION & SEDIMENT CONTROL.

APPROVED: 1/13/2010  
DATE: 1/13/2010  
CITY OF SARATOGA SPRINGS, NEW YORK  
STANDARD DETAIL  
Silt Fence ST-13

NTS.

CONSTRUCTION SPECIFICATIONS

- UPON USE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH ONE END OF FENCE POST SHALL BE STEEL EITHER 1" OR 1 1/2" DIA. BUSHING.
- FENCE SHALL BE 6" HIGH WITH 1" DIA. POSTS AND 1" DIA. RAILS.
- UPON USE FENCE SHALL BE 12" HIGH WITH 1" DIA. POSTS AND 1" DIA. RAILS.
- POSTS SHALL BE 12" DIA. AND SHALL BE SET IN 12" DIA. HOLES.
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**STABILIZED CONSTRUCTION ENTRANCE**

BASED ON NEW YORK GUIDELINES FOR URBAN EROSION & SEDIMENT CONTROL.

APPROVED: 1/13/2010  
DATE: 1/13/2010  
CITY OF SARATOGA SPRINGS, NEW YORK  
STANDARD DETAIL  
Stabilized Construction Entrance ST-11

NTS.

CONSTRUCTION SPECIFICATIONS

- TRUCK SIZE - USE 2" THICK OF EXCAVATION OR EXISTING CONCRETE FOUNDATION.
- TRUCK SIZE - USE 2" THICK OF EXCAVATION OR EXISTING CONCRETE FOUNDATION.
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- NOTES:**
- TOP-SOIL AND FILL THAT IS TO REMAIN STOCKPILED ON SITE FOR PERIODS EXCEEDING 30 DAYS SHALL BE STABILIZED BY SEEDING. PRIOR TO THE SEEDING OPERATION, THE STOCKPILED MATERIAL SHALL BE GRADED AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT AS FOR SEED PREPARATION, FERTILIZATION, SEEDING, MULCH APPLICATION AND ANCHORING.
  - ENSURE CALL BEFORE YOU DIG IS CONTACTED 72 HOURS PRIOR TO ANY EXCAVATION. TENSURE AREAS MARKED PRIOR TO ANY EXCAVATION. DIG SAFELY. NEW YORK CAN BE REACHED AT 811, 1-800-962-7962 OR WWW.DIGSAFE.NY.COM.
  - WASHING CONCRETE FROM CONSTRUCTION VEHICLES, INCLUDING CONCRETE TRUCK CHUTES, ON SITE PREMISES IS PROHIBITED.
  - HIGH VISIBILITY FENCES TO BE ERRECTED AROUND PROTECTED TREES AT OR BEYOND THE DRIP WHERE POSSIBLE. FENCE TO REMAIN DURING MAJOR EXCAVATION OF BUILDING FOUNDATIONS. FENCE MAY BE REMOVED FOR DRIVEWAY, WALKWAY OR LANDSCAPING CONSTRUCTION. SEE DETAIL.

- MAP REFERENCES:**
- "SUBDIVISION PLAN, 21 PARK PLACE SUBDIVISION", MAP NO. 2016-07-04, REVISION 2, 08/10/2016, BY SURVEY ASSOCIATES, L.L.C. DANIEL C. WHEELER, L.S.
  - SITE PLAN FOR URBAN RESIDENCE, 21 PARK PLACE, SARATOGA SPRINGS, NEW YORK, PREPARED BY SURVEY ASSOCIATES, L.L.C. DANIEL C. WHEELER, L.S. DATED JAN 20 1987. WAYNE G. PETERSON, ARCHITECT, APPROVED 3/2/1987.

**BOUNDARY INFORMATION**

PREPARED BY SURVEY ASSOCIATES, L.L.C. DANIEL C. WHEELER, L.S. FOR THE USE OF THE ENGINEER. THIS PLAN WAS MADE FROM THE MAPS REFERENCED IN THIS PLAN. THE ENGINEER HAS REVIEWED THE SURVEY DATA AND THE BOUNDARY INFORMATION AND HAS FOUND IT TO BE ACCURATE. THE ENGINEER DOES NOT WARRANT THE ACCURACY OF THE BOUNDARY INFORMATION OR THE RESULTS OF ANY CONSTRUCTION BASED THEREON. THE ENGINEER'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE FENCE AND SHALL NOT BE EXTENDED TO ANY OTHER MATTER. THE ENGINEER'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE FENCE AND SHALL NOT BE EXTENDED TO ANY OTHER MATTER.

**REXFORD ENGINEERING PLLC**

ENGINEERING CONSULTANTS

21 PARK PLACE SUBDIVISION  
OWNER: DAVID P. GUARINO & LINDA E. HANER  
PROPOSED SEDIMENT & EROSION CONTROL PLAN

| REV. | DATE      | BY  | CHK. | DESCRIPTION       |
|------|-----------|-----|------|-------------------|
| 0    | 1/13/2010 | NTS | JK   | GENERAL SUBMITTAL |

|                 |                   |
|-----------------|-------------------|
| SCALE: 1" = 30' | DATE: 1/13/2010   |
| CHECKED BY: JK  | STATE OF NEW YORK |
| DESIGNED BY: JK | EXERCISE 0        |



