



**LAKE TYE PARK
ALL-WEATHER FIELD IMPROVEMENTS**

June 26, 2019

**State Environmental Policy Act (SEPA)
WAC 197-11-960 Environmental Checklist**

Exhibits

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Environmental Checklist Prepared by:

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SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals:

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the [SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS \(part D\)](#). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background

1. Name of proposed project, if applicable:
Lake Tye Park All-Weather Field Improvements
2. Name of applicant:
**Mike Farrell, Parks & Recreation Director
City of Monroe, WA Parks & Recreation Department**
3. Address and phone number of applicant and contact person:
**806 West Main Street, Monroe, WA 98272
360-863-4557 mfarrell@monroewa.gov**
4. Date checklist prepared:
May 20, 2019
5. Agency requesting checklist:
City of Monroe WA, Department of Community Planning & Public Works
6. Proposed timing or schedule (including phasing, if applicable):
Construction is expected to begin in the early Spring of 2020 and conclude in the late Summer of 2020, over a period of approximately 6 months.
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.
No.
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

All Reports described below are available for review from the Applicant.

A Geotechnical Exploration has been performed by Associated Earth Sciences, Inc., with a report and recommendations issued in July 2019. That report is attached here by reference as Exhibit D.

Perteet Engineering performed and documented a Review of Probable Wetland Critical Areas in April 2019. A Letter-Report is attached here by reference as Exhibit E.

A Project-Specific Stormwater Technical Information Report (TIR) and Stormwater Pollution Prevention Plan (SWPPP) was prepared by LPD Engineers, LLC and issued in June 2019 and is attached here by reference as Exhibit F.

An Engineer's Light & Glare Report, prepared by Stantec Engineering, details the effects of the Field Lighting System on the immediate surroundings. The Report was issued in June 2019 and is attached here by reference as Exhibit G.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

None.

10. List any government approvals or permits that will be needed for your proposal, if known.

The Project will be required to obtain coverage under the Washington State Department of Ecology National Pollution Discharge Elimination System ("NPDES") Permit Coverage.

The City of Monroe Community Development Department has determined that the following local permits will be required;

- **Building Permit (Fencing, Light Poles & Foundations, Dugouts)**
- **Conditional Lighting Permit (Field Lights)**
- **Land Use Permit (Site Plan & SEPA Review)**
- **Special Flood Hazard Area Permit**
- **Grading Permit**
- **Fencing Permit**

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

The Project will update an existing ballfield site, including converting the existing underdrained grass fields to synthetic turf, reconfiguring and rebuilding backstops and ball control fencing, and improving universal accessibility as well as emergency and service access. The project also introduces a new lighting system to allow for increased year-round use. The new playing surface is approximately 185,000sf or 4.25 acres. The complete project covers approximately 215,00sf or just under 5 acres.

A complete Project Narrative, prepared by D.A. Hogan & Associates Inc. dated January 2019 is attached by reference as Exhibit B.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

The Project Site is commonly known as Lake Tye Park, at 14964 Fryelands Blvd, Monroe, WA 98272, however the Project is contained within the existing "South

Ballfields" immediately north of Frylands Elementary School, south of the dedicated Baseball Field, west of the parking lot, and east of the City boundary with unincorporated Snohomish County.

B. Environmental Elements

1. Earth

a. General description of the site:

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other _____

b. What is the steepest slope on the site (approximate percent slope)?

There are transitional areas with engineered (man-made) slopes of 4:1 (25%).

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

The Geotechnical Report, Exhibit D, includes a detailed look at the site soils conditions.

The existing surface soils are generally organic sands, a byproduct of aging sand-based natural grass. There are areas of highly organic fill ranging from 2.5' to 8' thick, ranging from loose to medium dense. This is generally problematic for conversion to synthetic turf or supporting shallow foundations. The Geotechnical Report recommends removal of 2' of this looser fill material and replacement with a more appropriate material.

Below the fills are alluvial soils, mostly inorganic and capable of structural support with proper preparation.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

The limit of disturbance covers 215,000sf / <5acres. Excavation coverage, depth, and volumes are anticipated to be as follows;

- **215,000sf Stripping of Existing Grass, 0.33' / 4" or 2,650 cubic yards (cy)**
 - **185,000sf Additional Field Section Excavation 0.5' / 6" or 3,980cy**
 - **60,000sf Additional Over-Excavation 2.0' / 24" or 4,450cy**
- Total Excavation and Removal from the Site 11,080cy**
Deepest Excavation 2.8' / 34"

Fill Materials will be composed of the following;

- **60,000sf of Structural Import 2.0' / 24" or 4,450cy**
- **185,000sf of Permeable Base Aggregate 0.667' / 8" or 4,445cy**

- **185,000sf of Permeable Top Course Aggregate 0.167' / 2" or 1,115cy**
Total Import and Site Grading 10,010cy
Deepest Fill 2.8' / 34"

There is a proposed net reduction of 1,070cy over 215,000sf or 0.13' / 1.5".

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Yes. Surface erosion may occur as a result of clearing and grading operations. However, due to the shallow slopes on the site and the location of the limit of site disturbance proposed, within the majority of the project area, this is expected to be minor as the area is composed primarily of slopes under 2%. Minor localized erosion may occur as a result of construction activities; however, it will not extend outside the project limits. Compliance with the project's Stormwater Pollution Prevention Plan (SWPPP) would be required and would include stabilizing soils within disturbed areas, and protecting exposed slopes. Use of onsite erosion control measures including silt fences, compost filter socks, construction entrances, catch basin protection, interceptor swales, and other standard construction erosion control practices, and seasonal limitations of construction would control the potential onsite erosion.

- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

Using a value of 100% Impervious for underdrained natural grass and synthetic turf alike, we calculate that the existing site includes 55.5% impervious surfaces.

The Proposed condition will reduce that to 48.5%.

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
None.

2. Air

- a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

Typical emissions during construction consist of airborne dust and construction equipment and truck exhaust. Dust will be limited by the use of moisture conditioning throughout the work.

Operation and maintenance of the completed project will result in a considerable reduction in maintenance vehicle emissions as the number and frequency of maintenance tasks are greatly decreased.

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

None.

- c. Proposed measures to reduce or control emissions or other impacts to air, if any:

None.

3. Water

a. Surface Water:

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Lake Tye, the Park's namesake, a manmade stormwater management & control feature, is approximately 600' away. There are no natural streams or wetlands that discharge to this body of water.

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

None.

- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None.

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No.

- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

No, although the site is in a Flood Hazard Area. The project proposes an overall average lowering of the site elevation by an average of 0.13' / 1.5" over 215,000sf.

- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No.

b. Ground Water:

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

No.

- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

None.

c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Stormwater will infiltrate vertically through the field section to be collected in a series of perforated subsurface laterals which flow to larger collectors. The final collector conveyance will discharge into a pre-engineered water quality vault for treatment prior to final discharge to Lake Tye.

- 2) Could waste materials enter ground or surface waters? If so, generally describe.
No.

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

There should be no fundamental change to the site hydrology as both the existing and proposed conditions are underdrained and of the same approximate footprint, size, and location.

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

None.

4. Plants

a. Check the types of vegetation found on the site:

deciduous tree: alder, maple, aspen, other

Oak and Maple Ornamental Shade Trees

evergreen tree: fir, cedar, pine, other

shrubs

grass **Maintained Athletic Field Grass**

pasture

crop or grain

Orchards, vineyards or other permanent crops.

wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other

water plants: water lily, eelgrass, milfoil, other

other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

185,000sf Maintained Athletic Field Grass will be removed.

c. List threatened and endangered species known to be on or near the site.

None.

- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

None.

- e. List all noxious weeds and invasive species known to be on or near the site.

It is assumed that there are typical common lawn weeds present that will be removed with the Athletic Field Grass, i.e., dandelion, false plantain, clover, etc.

5. Animals

- a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site.

Examples include:

birds: **hawk, heron, eagle, songbirds,** other:

mammals: deer, bear, elk, beaver, other:

fish: bass, salmon, trout, herring, shellfish, other _____

- b. List any threatened and endangered species known to be on or near the site.

None.

- c. Is the site part of a migration route? If so, explain.

The project site is located along the Pacific Flyway, one of three major migratory routes in North America. The Pacific Flyway stretches 4,000 miles north-to-south and 1,000 miles east-to-west, from the Arctic to the west coast of Mexico and the Rocky Mountains to the Pacific Ocean.

There is no evidence that the site is of any specific value to migrating birds.

- d. Proposed measures to preserve or enhance wildlife, if any:

None.

- e. List any invasive animal species known to be on or near the site.

None.

6. Energy and Natural Resources

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

The proposed lighting system will use approximately 75 kW of electrical energy when in operation. The lighting system will be operated approximately 750 hours per year (avg. 2.5 hrs/day, 6 days/week). Annual demand is expected to be approximately 56,250kW-hrs.

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

The new lighting poles and associated equipment would not block the use of solar energy by adjacent properties. No other aspect of the project would interfere with solar energy use by others.

- c. What kinds of energy conservation features are included in the plans of this proposal?

List other proposed measures to reduce or control energy impacts, if any:

To conserve energy, the athletic field lights would use high efficiency LED floodlights. The LED floodlights would reduce the electrical energy load used for lighting by approximately 33 percent compared to standard lighting.

The field will also be lighted to the recommended minimum Class III lighting level for safe play per the Illuminating Engineering Society Recommended Practice for Athletic Fields RP-6.

A fully programmable control system with remote operation would allow the fields to be lighted independently and to automatically turn off after play is completed. This feature ensures that lights would be on only during the hours that events are scheduled on each field. If necessary, the lights could also be operated manually through separate switches that would be installed.

7. Environmental Health

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

- 1) Describe any known or possible contamination at the site from present or past uses.

None.

- 2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

None.

- 3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

None.

- 4) Describe special emergency services that might be required.

The Project will enhance the availability of these facilities for organized recreational athletics which can result in injury, at times requiring an emergency medical response.

- 5) Proposed measures to reduce or control environmental health hazards, if any:

The Proposal includes a resilient infill material in the syntehcti turf surfacing,

along with requirements that the supplier warrant the surface as maintaining a "GMAX" rating below 180G for 8 years from the time of installation.

The Project fencing plan is intended to protect both involved spectators and uninvolved passer-by safe from errant balls and out-of-bounds athletes.

b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

Existing noise includes traffic and user noise generated through normal use of the Lake Tye Park site. Use will remain as it currently exists on the site, however an increase in the frequency of peak noise could reasonably be anticipated as a result of the increased availability of the improved fields. Generally, the project intent is to increase the reliability of the field surface, which should result in more use than is currently experienced, particularly during wetter times of year, if only as a result of fewer cancelled activities.

- 2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

It is anticipated that between roughly April and October of 2020, the Project will result in short term noise from construction equipment operation and truck traffic during the permitted hours of 7:00 A.M.-7:00 P.M on weekdays and occasionally 9:00 A.M. to 6:00 P.M. on Saturdays.

Beyond the construction period, typical operation of the site will continue to be for Park & Recreation, and other Community uses, contributing to an increase in the frequency of peak noise levels described previously.

- 3) Proposed measures to reduce or control noise impacts, if any:

None.

8. Land and Shoreline Use

- a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

None.

- 1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

No.

c. Describe any structures on the site.

There are currently no structures within the Project footprint, however the Lake Tye Park restrooms and concessions buildings are within a few hundred feet.

d. Will any structures be demolished? If so, what?

None.

e. What is the current zoning classification of the site?

PS (Public Open Space)

f. What is the current comprehensive plan designation of the site?

PS (Public Open Space)

g. If applicable, what is the current shoreline master program designation of the site?

NA

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

The Site falls within a Special Flood Hazard Area.

i. Approximately how many people would reside or work in the completed project?

None.

j. Approximately how many people would the completed project displace?

None.

k. Proposed measures to avoid or reduce displacement impacts, if any:

NA

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

None.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

NA

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

None.

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

None.

- c. Proposed measures to reduce or control housing impacts, if any:

None.

10. Aesthetics

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

The Project Light Poles will be up to 80' tall galvanized steel, each with 6-8 gray powder coated floodlights on one or two horizontal galvanized steel brackets at the top of the poles.

The main section of the Baseball Field Backstop will be approximately 30' above the surrounding elevation, comprised of galvanized steel posts and chain link fence, with supplemental netting of black nylon.

- b. What views in the immediate vicinity would be altered or obstructed?

Minor alteration of view across the athletic field from the new light poles.

- c. Proposed measures to reduce or control aesthetic impacts, if any:

The proposed light poles are designed to minimize size and bulk. The floodlights and brackets are designed to minimize quantity, size and bulk.

11. Light and Glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

The proposed athletic field lighting system will provide light for the playing field. The type of lighting produced would be direct glare, reflected glare, spill light and "sky-glow". The floodlights utilize the best available technology to reduce off site lighting impacts. The floodlight use high efficient LED optics with extensive internal and external shielding.

The lighting system would be operated in the evening hours, particularly October through November and again February through May, Recreational Sports Leagues will utilize the completed Project Site Lighting System from Dusk until 10:30pm-11pm Monday through Saturday potentially.

Moderate to high levels of direct glare exposure is limited to within the playing field and immediate areas surrounding the field. Low to no amounts of exposure to direct glare occurs off site. Exposure to reflected glare would be associated with light reflected off of the playing field and adjacent surfaces. This will be limited to areas within the site and adjacent areas with direct views of the playing surface. A minimal amount of reflected glare will be visible further away from the site from the small amount of light that reflects off of the floodlight poles and floodlights.

The Engineer's Light & Glare Report, Exhibit G, and the Spill Light Plan, Drawing ESPL-1 of Exhibit H, describe a very low level (generally $<0.5fc$) of light trespass or spill light beyond the adjacent Frylands Blvd.

"Sky glow" impacts will be minimal and be only evident in the area during conditions of moderate to heavy fog.

- b. Could light or glare from the finished project be a safety hazard or interfere with views?
The athletic field lighting system would not pose a safety hazard or interfere with views from off-site locations.
- c. What existing off-site sources of light or glare may affect your proposal?
No off-site sources of glare would affect this proposal.
- d. Proposed measures to reduce or control light and glare impacts, if any:
The lighting system selected is designed to minimize light and glare impacts. Use of high efficiency LED optics provides excellent control of light to limit the amount of light that extends beyond the playing field. Inclusion of extensive shielding to provide nearly full cutoff floodlights dramatically reduces off site glare impacts. Also limiting hours of operation of the lighting system.

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?
The site is Lake Tye Park, a local if not regional recreational resource enjoyed by thousands of visitors each year. Among the many recreational offerings at Lake Tye Park, organized recreational sports leagues and annual local community gatherings ("Night Out" for example) draw the most visitors.
- b. Would the proposed project displace any existing recreational uses? If so, describe.
No. The primary goal of the Project is to increase the safety, availability, and reliability of the playing surfaces on the two most used playfields in the park.
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

None.

13. Historic and cultural preservation

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers ? If so, specifically describe.

None.

- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

None.

- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

None.

- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

None.

14. Transportation

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

Lake Tye Park is accessed directly from Frylands Boulevard, with existing driveway cut into its parking lot at 152nd St. SE and a traffic light at the intersection with Wales St. SE.

- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

US Highway 2, located approximately .5 miles north of the Project Site, is served by Community Transite bus routes 270, 271, 277, and 424. The 271, which loops through the north end of the city and retail areas, passes within ¼ mile south of the site, at Frylands Elementary School.

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

There will be no change to the roughly 225 parking spaces at the Park.

- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

No.

- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No.

- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

For calculating peak vehicle trips or peak parking demand, the number of fields (2) is multiplied by the number of participating teams (2 ea.) by the number of participants (15 ea. max. for soccer). This number (60) is multiplied by 0.85% to allow for Car Pool and Rideshare. The resulting number, 51, is then doubled to accommodate for the arrival of the next scheduled event prior to to the conclusion of the current event, yielding a peak demand of 102 trips/spaces.

Note that for both Youth and Adult Recreation, spectators are assumed to arrive with participants.

- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No.

- h. Proposed measures to reduce or control transportation impacts, if any:

None.

15. Public Services

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

The anticipated increase in availability of the fields could be expected to lead to a nominal increase in the need for emergency services, although this increase would not be an impact.

- b. Proposed measures to reduce or control direct impacts on public services, if any.

None.

16. Utilities

- a. Circle utilities currently available at the site:

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,
other _____

