

NOTES:

1. FILTER BASKETS SHALL BE PROVIDED BENEATH ALL OPEN LID STRUCTURES, INCLUDING CURBLINE INLETS. FOUR-SIDED SILT FENCE SHALL BE STAKED AROUND ALL YARD INLETS.
2. THE CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE AT ALL TIMES DURING THE COURSE OF CONSTRUCTION AND PREVENT STORM WATER FROM RUNNING INTO OR STANDING IN EXCAVATED AREAS.
3. DURING EXTENDED DRY PERIODS, THE CONSTRUCTION AREA(S) MAY NEED TO BE WATERED DOWN TO PREVENT THE BLOWING OF SOIL FROM THE SITE.
4. DURING CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE UTILIZED TO MINIMIZE THE TRACKING OF DIRT ONTO THE PUBLIC STREETS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO KEEP PUBLIC STREET PAVEMENT CLEAN OF DIRT AND DEBRIS. ANY DIRT THAT IS TRACKED ONTO THE PUBLIC STREETS SHALL BE REMOVED THE SAME DAY. IF THE AMOUNT TRACKED ON THE PUBLIC STREET IS EXCESSIVE, CLEANING MAY BE REQUIRED MORE FREQUENTLY.
5. ALL EROSION CONTROL MEASURES SHALL BE PROPERLY INSTALLED PRIOR TO ANY LAND DISTURBANCE ACTIVITIES. ALL EROSION CONTROL SHALL BE MAINTAINED UNTIL TURF IS ESTABLISHED.
6. ACCEPTABLE PERIMETER EROSION CONTROL INCLUDES SILT FENCE, SILT WORN AND ANY OTHER APPLICATION APPROVED BY THE CITY ENGINEER.
7. ALL OPEN GRATE STRUCTURES SHALL HAVE EROSION CONTROL PROTECTION IN ACCORDANCE WITH THE APPROVED EROSION CONTROL PLANS. INLET BASKETS ARE THE PREFERRED METHOD; STRAW BALES SHALL NOT BE USED.

STOCKPILES NOT BEING DISTURBED FOR MORE THAN 14 DAYS SHALL BE SEEDED.

9. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY, AFTER ANY 0.5 INCH RAINFALL, OR MORE FREQUENTLY AS NECESSARY TO MAINTAIN THEIR FUNCTION.
10. A TEMPORARY CHAINLINK CONSTRUCTION FENCE AND GATE ARE SHOWN AT THE PROPOSED CONSTRUCTION ENTRANCES. THE FENCE WILL BE REMOVED AND REPLACED AS REQUIRED TO ALLOW FOR UTILITY INSTALLATIONS, ROADWAY WORK, ETC. DURING WORKING HOURS BUT SHALL BE REINSTALLED AT THE END OF EACH DAY TO PROVIDE A SECURE CONSTRUCTION SITE. PLACEMENT OF THE TEMPORARY CONSTRUCTION FENCE/GATE SHALL NOT IMPEDE INGRESS/EGRESS.

LEGEND

- S SILT FENCE
- CHAIN LINK CONSTRUCTION FENCE
- INLET PROTECTION/SEDIMENT TRAP (SEE NOTE 1)
- DITCH CHECK
- TEMPORARY SEEDING
- PERMANENT LANDSCAPE TREATMENT (TOPSOIL, HYDROSEEDING, EROSION BLANKET SEE LANDSCAPE PLAN)

STORM WATER POLLUTION PREVENTION PLAN, SPECIFICATIONS AND GENERAL NOTES

This stormwater pollution prevention plan (SWPPP) has been prepared to comply with the provisions of NPDES discharge permit or discharge permit (DGP) issued by the Illinois Environmental Protection Agency for stormwater discharges from construction site activities.

1. Site Description.
The following is a description of the construction activity that is the subject of this plan.

A. The proposed improvement consists of the construction of a restaurant and parking lot on a 1.3 ac. site.
The construction site activities for the site include: total excavation and stockpiling, earth excavation and the placement of embankment materials, installation of sanitary sewers, storm sewers, watermain, and other municipal infrastructure such as telecommunications, gas and electric services, curb & gutter, base course and asphalt and/or concrete pavement, re-spread of topsoil over all disturbed areas, stabilization of porous areas with seed and/or other landscaping materials, soil erosion and sedimentation control measures and other activities that may be necessary to protect adjacent properties and downstream watercourses from damage.

B. The expected sequence of activities that will cause significant disturbance/denudation of the site are as follows: site clearing; topsoil excavation and stockpiling; earth excavation and placement of earth embankment; utility installation and restoration of disturbed surfaces.
Prior to commencement of any site disturbance activity, silt fence, any required down-slope protection and the stabilized construction entrance must be installed. Additional soil erosion and sediment control measures shall be installed as construction activity progresses, as noted on the plans.

C. The total area of the construction site is approximately 1.32 acres. The total area of the site to be disturbed is estimated to be 1.32 acres.

D. The estimated stormwater runoff coefficients are contained in the project design narrative on file with the local agency having jurisdiction over this project. Information regarding soil classifications, estimated runoff and detailed computations for the management of stormwater runoff are contained in the project design narrative, which is incorporated by reference and made a part of this plan.

2. Controls
The plan addresses various controls that must be implemented for the major construction activities described above. For each of the controls described below, the contractor(s) shall be responsible for its implementation. Each contractor has signed this plan acknowledging responsibility for the implementation and on-going maintenance of this plan. A signed copy of the plan must be maintained on the site at all times.

A. Soil Erosion and Sediment Controls

1. Stabilization Practices. Existing vegetation should be preserved as long as possible. Disturbed areas should be stabilized as soon as possible. Stabilization measures shall be implemented as soon as practical in portions of the site where construction activities have temporarily or permanently ceased, but in no case longer than 14 days in areas where construction activity will resume for 21 days, or more. Where snow cover precludes stabilization activities, or other conditions preventing implementation, stabilization measures shall be implemented as soon as conditions permit.

The following interim and permanent stabilization practices, as a minimum, shall be employed to stabilize disturbed areas of the site: Temporary Seeding, Permanent Seeding, Channels and Swales, Stabilized Construction Entrance(s), and Barrier Filters.

B. Other Controls

1. Waste Disposal. Solid waste materials, including trash, construction debris, excess construction materials, machinery, tools and other items shall be collected and disposed of off-site by the contractor in an approved manner. The contractor is responsible for all permits required for such disposal. On-site disposal is not permitted for solid materials, including building materials, except as authorized by appropriate permits. This plan shall comply with all applicable state and/or local waste disposal, sanitary sewer and/or septic system regulations.
2. Sanitary Waste. Sanitary waste shall be collected from portable units provided by the contractor in a manner that prevents spillage to avoid overflowing and maintain sanitary conditions around the unit.
3. Petroleum Products. All petroleum products stored on-site shall be stored in approved containers. All fueling sources shall have spill kits immediately available.

3. Inspections
The Contractor, or Contractors Representative, shall provide qualified personnel to inspect disturbed areas of the construction site, which have not been finally stabilized and accepted, structural control measures, and locations where vehicles enter and exit the site. Such inspections shall be conducted at least once every seven days and within 24 hours of the onset of a 3" or greater rainfall or equivalent snowfall.

4. Disturbed areas and areas used for storage of materials and equipment that are exposed to precipitation shall be inspected for evidence of, or the potential for pollutants entering the drainage system. Erosion and sedimentation control measures identified in the plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are identified, the contractor shall be inspected to ascertain whether erosion control measures are effective in preventing significant impact to receiving waters and adjacent properties. Location of vehicles and vehicles entering or leaving the site shall be inspected for evidence of off-site sediment tracking.

5. Based on the results of the inspection, the description of potential pollutant sources identified in Section 1 and pollution prevention measures identified in Section 2

4. Concrete Trucks. Concrete trucks shall not be permitted to wash out or discharge surplus concrete or drain wash water on the site. The concrete trucks shall be designated by the contractor and provided with placards identifying the contractor's facilities to assure that discharge is contained and cleaned before entering the site storm water collection system.

5. De-watering. All discharges of water contaminated with silt or sediment shall be made to a portable or permanent sediment basin to assure that all suspended solids are removed. De-watering from any other construction site, de-watering directly into field tiles or stormwater structures is prohibited.

6. Approved State or Local Plans.
The management practices, controls and other provisions of this plan shall be at least as protective as the requirements contained in the EPA's Standard Specifications for Soil Erosion and Sediment Control, current edition, Illinois Procedures and Standards for Urban Soil Erosion and Sedimentation Control, Illinois Urban Manual, current edition, and any governing local agency ordinances. Requirements specified in sediment and erosion control plans, site permits, or stormwater management site plans or site permits approved by local agencies that are applicable to protecting surface water resources are, upon approval on an NOD, to be authorized to discharge under this permit, incorporated by reference and enforceable under this permit even though they may not be specifically included in this plan. The contractor is responsible for the establishment of any additional erosion control measures necessary to prevent erosion and the sedimentation as determined by the governing local agency.

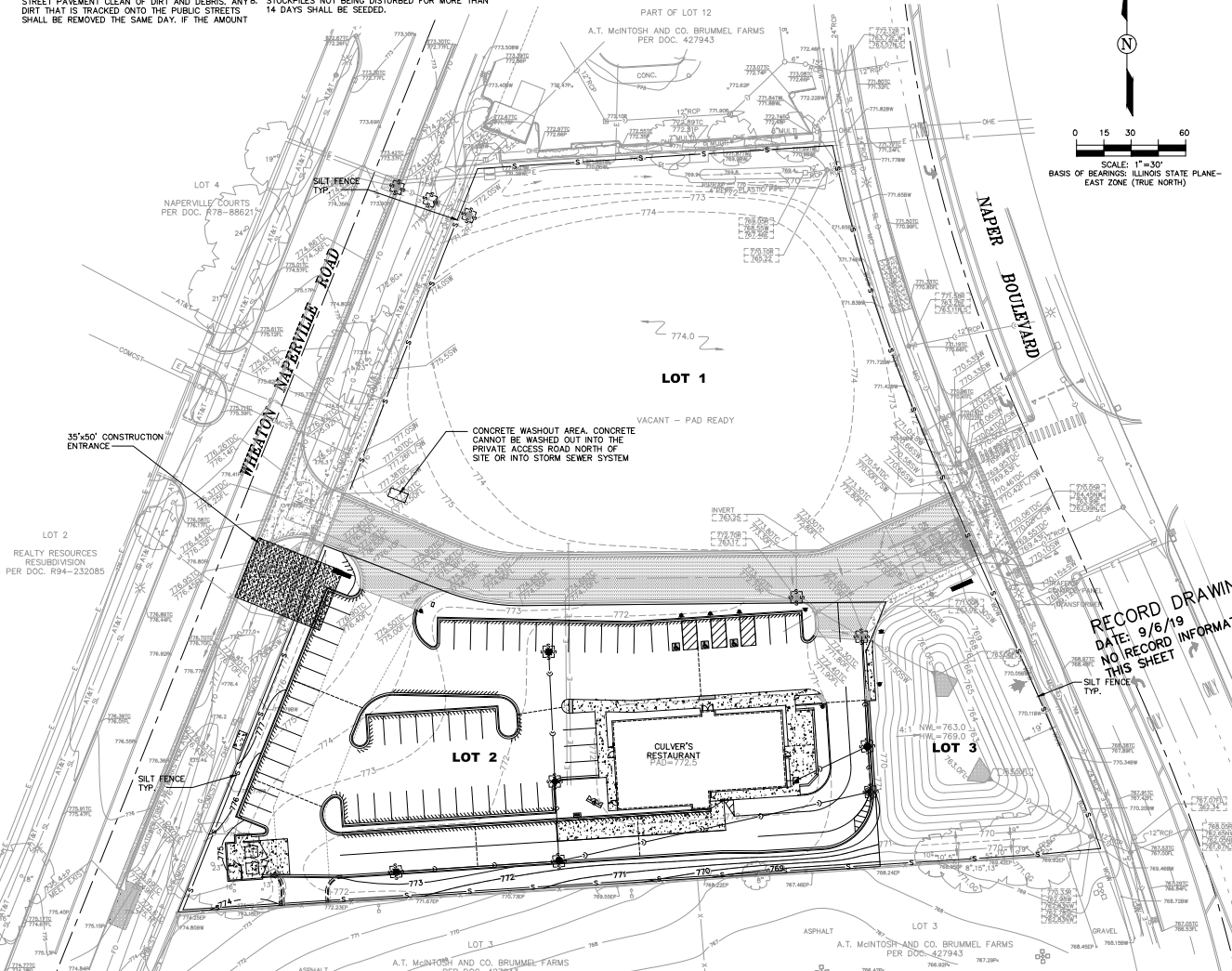
3. Maintenance
The following procedures shall be used to maintain, in good condition, vegetation, erosion and sedimentation control measures, and other protective measures identified in this plan and the standard specifications.

1. Stabilized Construction Entrance: The entrance shall be maintained to prevent tracking of sediment onto public streets. Maintenance shall include top-dressing with additional stone, removal and replacement of the top layer of stone, and watering the entrance. Any sediment deposited on public right-of-way shall be removed immediately. Adjacent public streets shall be swept frequently, if not daily, to eliminate dust and sediment.
2. Vegetative Control Measures: The vegetative growth associated with temporary and permanent seeding, sodding, vegetative channels, vegetative filters, etc. shall be maintained periodically and supplied with adequate water and fertilizer nutrients, if necessary. The vegetative cover shall be removed and re-seeded, as required.
3. Sediment Basins and Sediment Traps: Sediment shall be removed when the sediment capacity is 20% of the original capacity. In no instance shall the sediment be allowed to build up to within one-foot of the outlet elevation. Basins shall be cleaned to restore their original capacity.
4. Silt Filter: Any damaged silt fence shall be repaired to meet the original design intent or removed and replaced, as necessary.
5. Inlet Filters: Inlet Filters (geotextile fabric) shall be placed in all open-lid storm water collection systems. Inlet Filters shall be inspected after each rainfall event and immediately repaired or replaced, as necessary.
6. Riprap Outlet Protection: Riprap outlet protection shall be inspected after experiencing high flows for any scouring beneath or along the edges of the riprap, or for any of the riprap material that may have become dislodged. Riprap shall be replaced immediately.

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5. Based on the results of the inspection, the description of potential pollutant sources identified in Section 1 and pollution prevention measures identified in Section 2



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CULVER'S OF NAPERVILLE - RECORD DRAWINGS

STORMWATER POLLUTION PREVENTION PLAN, SPECIFICATIONS & GENERAL NOTES

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