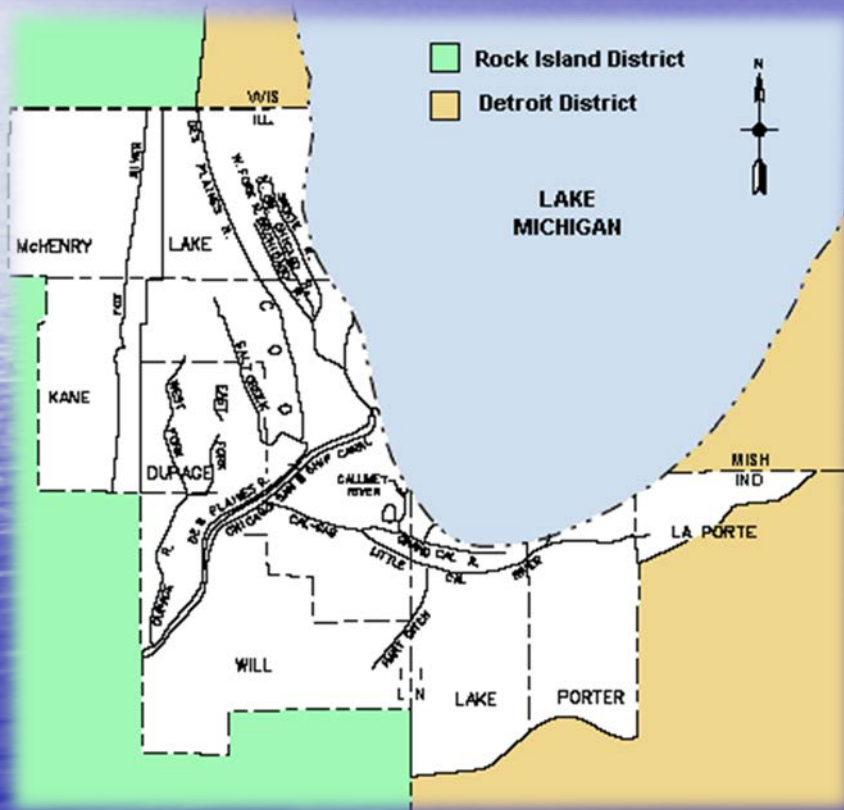


Plan Reviews and the Illinois Urban Manual

Candice Jacobs, CPESC
Resource Conservationist
Kane-DuPage SWCD

Where are we...



- Northeastern Illinois
- Kane and DuPage Counties
- 50 miles west of Chicago and the Lake Michigan coast.
- Fall within the Jurisdiction of the Chicago District of the US Army Corps of Engineers

Section 404 – Clean Water Act

- Dredge/Fill Permitting
 - Section 404 of the Clean Water Act established a permit program to regulate the discharge of dredged or fill material into waters of the United States. The program's scope also includes the regulation of discharges of dredged or fill material into wetlands adjacent to national wetlands. This permit program is administered by the Secretary of the Army through the U.S Army Corps of Engineers.



Interagency Cooperative Agreement

- KDSWCD agrees to:
 - Use technical references
 - Review Plans for SESC
 - Attend Pre-Cons
 - Conduct Inspections
 - Prepare Correspondence
 - Consult with contractors
- USACE agrees to:
 - Will require the permittee to submit to KDSWCD
 - Request SWCD to comment on plans
 - Request SWCD to perform site inspections

The Corps Permit

- Corps requires the applicant to apply to the SWCD
- Corps permit is not completed until our review is complete.



DEPARTMENT OF THE ARMY
CHICAGO DISTRICT, OFFICE OF ENGINEERING
111 SOUTH CANAL STREET
CHICAGO, ILLINOIS 60606-7229

FORM NO.
2270-10-1

February 11, 2013

Technical Services Division
Regulatory Branch
LRC-2013-06679

SUBJECT: Soil Erosion and Sediment Control Plans for Edmundo Park Lagoon Drain
Replacement on Salt Creek in the Village of Elmhurst, DuPage County, Illinois



The U.S. Army Corps of Engineers, Chicago District, has received your notification for authorization under the Regional Permit Program and has assigned LRC-2013-06679 as its reference number. This number will be used on all future correspondence regarding your notification.

Following a preliminary evaluation of your project, the District has determined that your project's soil erosion and sediment control plans shall be reviewed by the County Soil and Water Conservation District (SWCD) listed below.

Kane/DuPage SWCD
Attn: Candace Jacobs
2315 Dean Street
St. Charles, IL 60175
(630) 584-7964

Please contact the SWCD as soon as possible to obtain information on the application process required to review your plans. The submission of your plans to this agency and a determination that these meet technical standards is required in accordance with General Condition 4 of the Regional Permit Program.

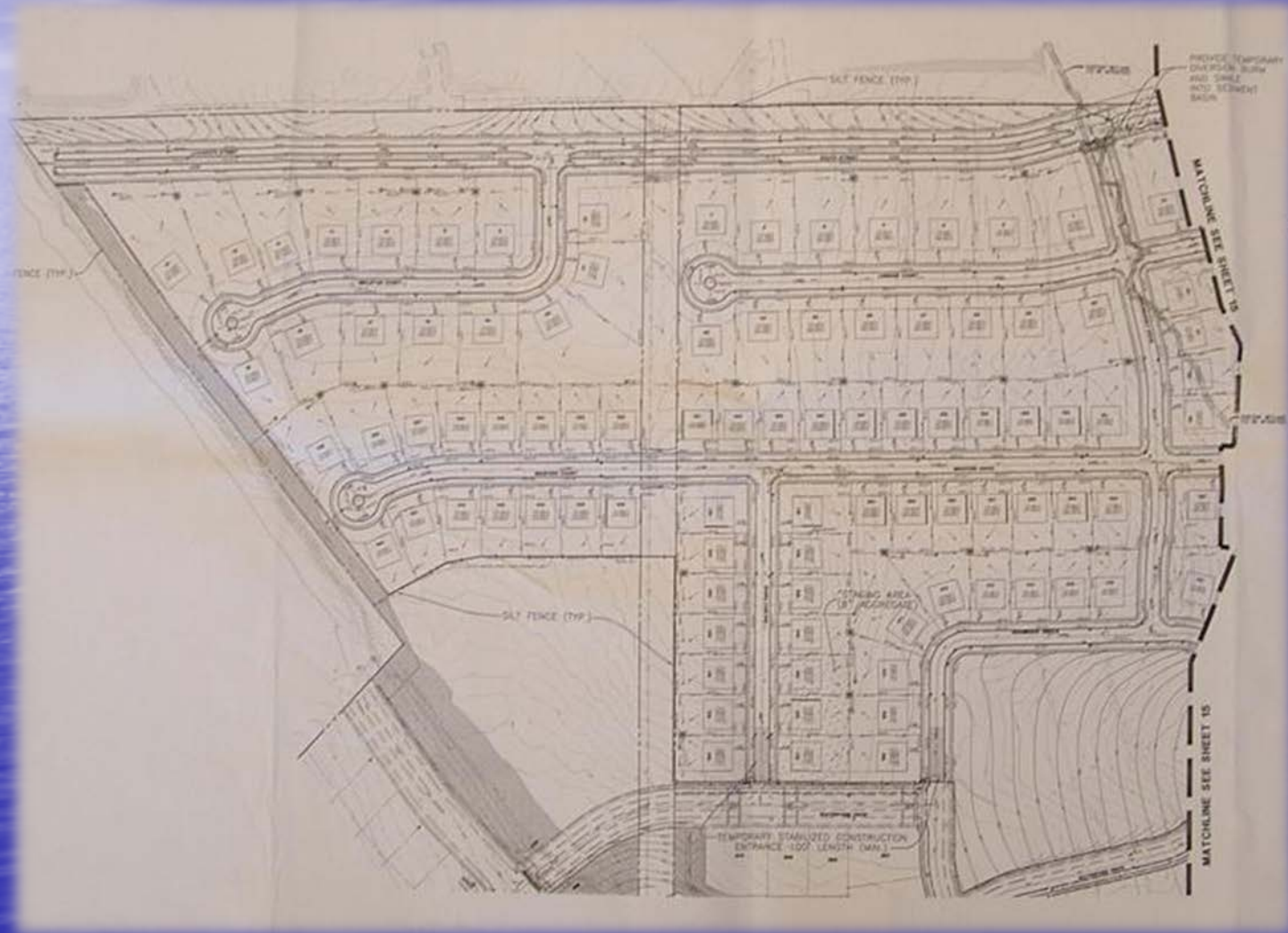
You are advised not to undertake any activity in connection with the proposed activity in any water of the United States until authorization under the RPP has been obtained. Any work related to the proposed project undertaken or planned is done so at your own risk and will not preclude the processing of your notification.

5. Throughout the duration of construction activities, you shall adhere to all soil erosion and sediment control measures determined to meet technical standards by the Kane/DuPage SWCD.



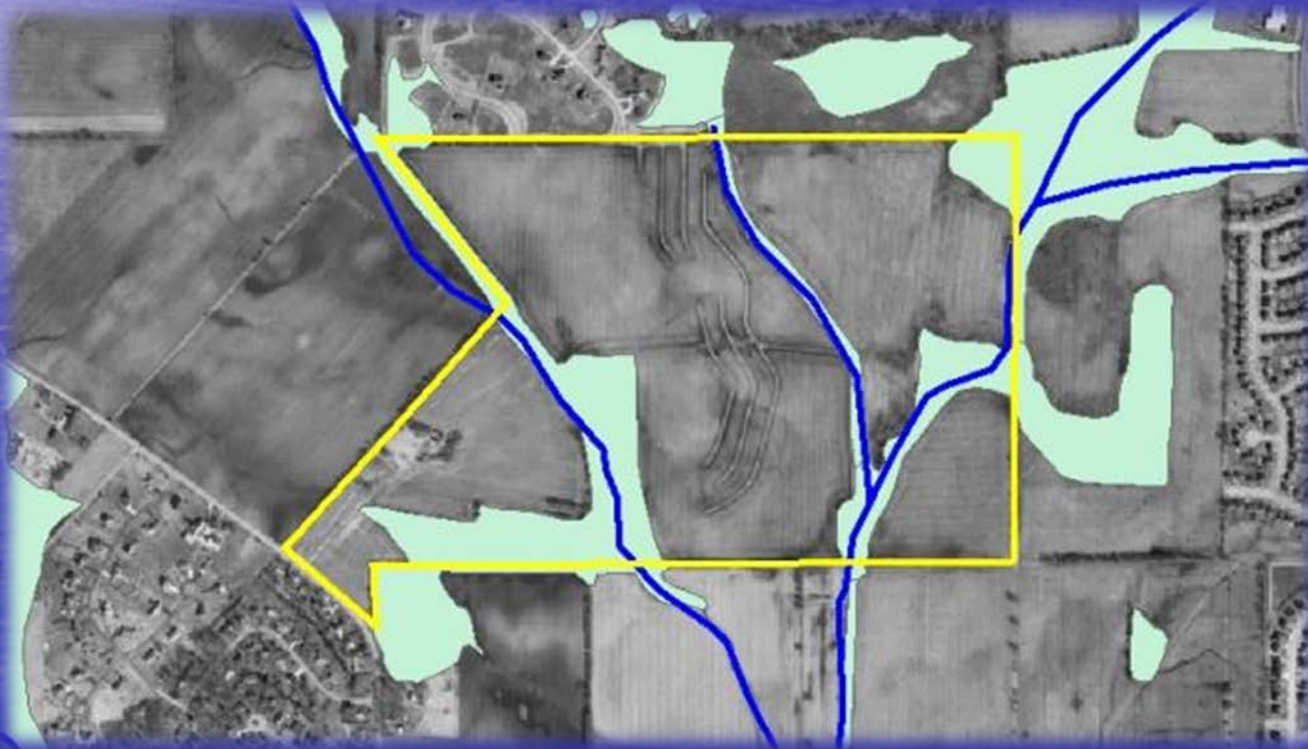
The Plan Review

The Process – Plan Review



Plan Review - Some Research

- Digitize the Parcel
- Check for Water Features/Critical Areas



Plan Review Checklist

SESC FILE #:

REVIEWED BY:

INTERNAL SESC PLAN REVIEW CHECKLIST

- ☒ if already present on plans
- ☐ if needed on plans
- ☒ if not applicable to project

- ☐ Standard Notes
- ☐ Replace straw bales with alternative measures
- ☐ Inspection and Maintenance Schedule--once/week or after 1/2" rain event
- ☐ Soil Stabilization
 - ☐ Minimization of disturbed area
 - ☐ Soil Stabilization Chart - Meets IUM standards
 - ☐ Seeding Rates and Mulch Application - Meets IUM Standards
 - ☐ Temporary Seeding--In areas left idle for more than 14 days
 - ☐ If Kane County see note from ordinance on stabilization within 7 days
 - ☐ Permanent Seeding--All disturbed areas shall be stabilized within 14 days of final grading
 - ☐ Winter Preparation--Winter shutdown shall be addressed early in the fall growing season so that slopes and other bare earth areas may be stabilized with temporary and/or permanent vegetative cover for proper erosion and sediment control.
- ☐ Slope Protection--protect slopes with seeding and straw mulch w/netting or erosion control blanket
- ☐ Methods for conveying offsite and onsite runoff through the site
 - ☐ Stabilized channels
 - ☐ Ditch checks
- ☐ Velocity Minimization
 - ☐ Limit slope lengths
 - ☐ Ditch Checks
 - ☐ Surface Roughening
- ☐ Stockpiles
 - ☐ Location shown on plans and not to be located near critical areas
 - ☐ If stockpile to remain in place more than three (3) days, erosion and sediment control measures to be provided
 - ☐ If stockpile to remain in place more than thirty (30) days, temporary seeding is required
- ☐ Inlet Protection--note and/or called out on plans
 - ☐ Culvert Inlet Protection at outfall of Stormwater facility
 - ☐ Stand Pipe or Perforated Riser
- ☐ Tracking onto streets

SESC FILE #:

REVIEWED BY:

- ☐ Stabilized Construction Entrance--shown on plans and detail
- ☐ Perimeter Sediment Control Measures
 - ☐ Silt Fence Detail meeting IUM standards
 - ☐ Silt Fence at the top of slope around detention basins
- ☐ NPDES Contractor Sign-off
- ☐ Sediment Traps/Basins
 - ☐ Location shown on plans
 - ☐ Sized to meet IUM and Kane Co. Technical Manual requirements
 - ☐ Maintenance schedule
 - ☐ Stabilized banks
- ☐ Energy Dissipater/Outlet Protection
 - ☐ All outlets should be stabilized
 - ☐ Riprap aprons should be sized appropriately
 - ☐ Provide a detail with apron dimensions and stone sizes
 - ☐ Filter fabric is to be installed beneath all riprap
- ☐ Special Requirements for work in critical areas
 - ☐ Address how creek/wetland crossings are to be handled (narrative and detail)
 - ☐ Once work in these areas begins, priority shall be given to the completion of the work and final stabilization of all disturbed areas
 - ☐ Stabilization at the end of each day
 - ☐ Isolate Work Area from concentrated flows or stream flow
 - ☐ Dewatering method
 - ☐ Sump pit
 - ☐ Outlet hose placement
 - ☐ Outlet hose treatment
- ☐ Details for each practice used with all required values filled in

Review Comments:

Where do our Technical Standards come from?

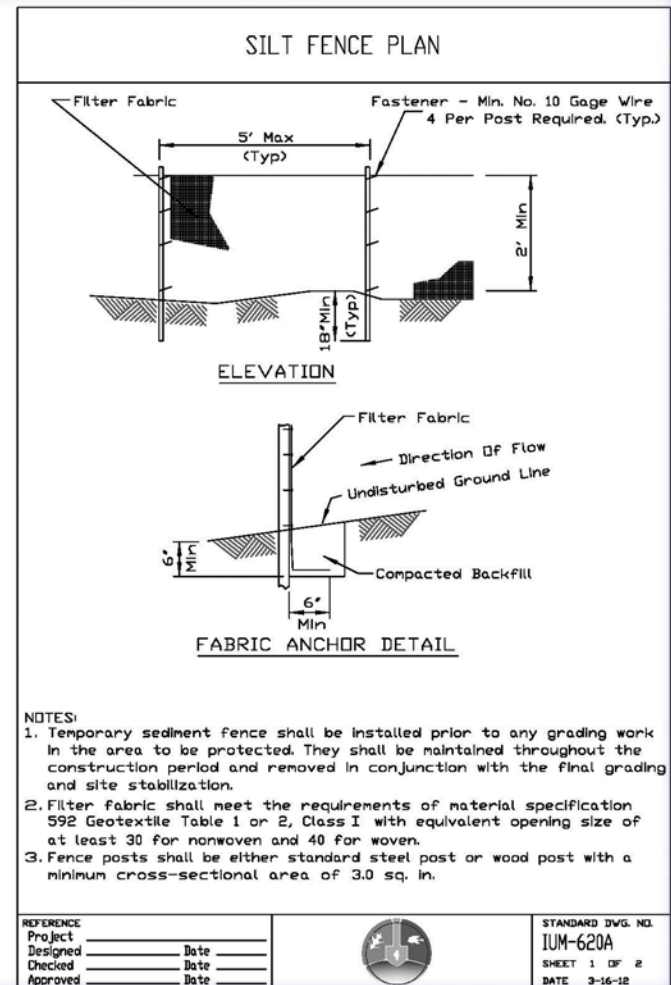
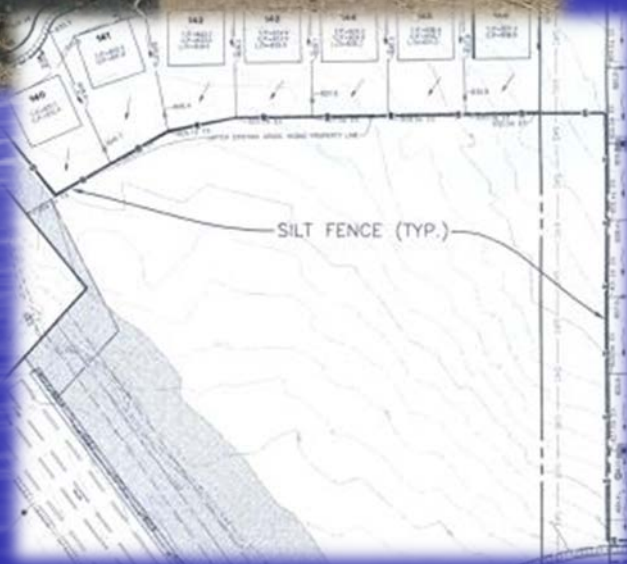
- IL Urban Manual
- Our County Technical Manuals
- Other States Technical Manual
- Manufacturers Specifications
- Past Performance of Practices – EXPERIENCE!

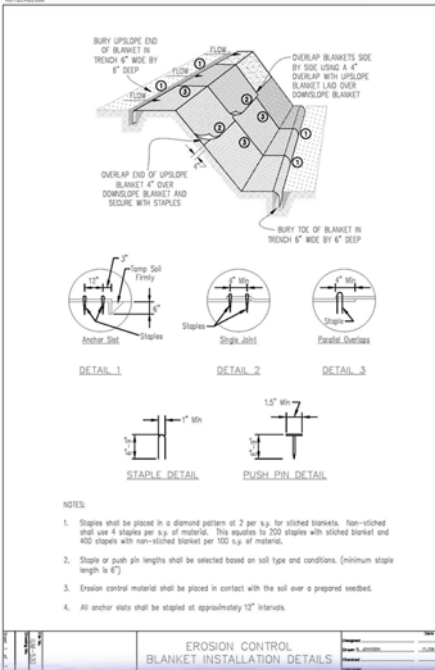
Plan Review – Key Components

Standard Notes:

- Unless otherwise indicated, all vegetative and structural erosion and sediment control practices will be constructed according to minimum standards and specifications in the Illinois Urban Manual latest edition.
- The Kane-DuPage Soil and Water Conservation District (KDSWCD) must be notified one week prior to the pre-construction conference, one week prior to the commencement of land disturbing activities, and one week prior to the final inspection.
- A copy of the approved erosion and sediment control plan shall be maintained on the site at all times.
- Prior to commencing land-disturbing activities in areas other than indicated on these plans (including but not limited to, additional phases of development and off-site borrow or waste areas) a supplementary erosion control plan shall be submitted to the owner for review by the KDSWCD.
- The contractor is responsible for installation of any additional erosion control measures necessary to prevent erosion and sedimentation as determined by the KDSWCD.
- During dewatering operations, water will be pumped into sediment basins or silt traps. Dewatering directly into field tiles or stormwater structures is prohibited.
- Also, please add note to state that, “It is the responsibility of the landowner and/or general contractor to inform any sub-contractor(s) who may perform work on this project, of the requirements in implementing and maintaining these erosion control plans and the National Pollutant Discharge Elimination System (NPDES) permit requirements set forth by the Illinois EPA.”

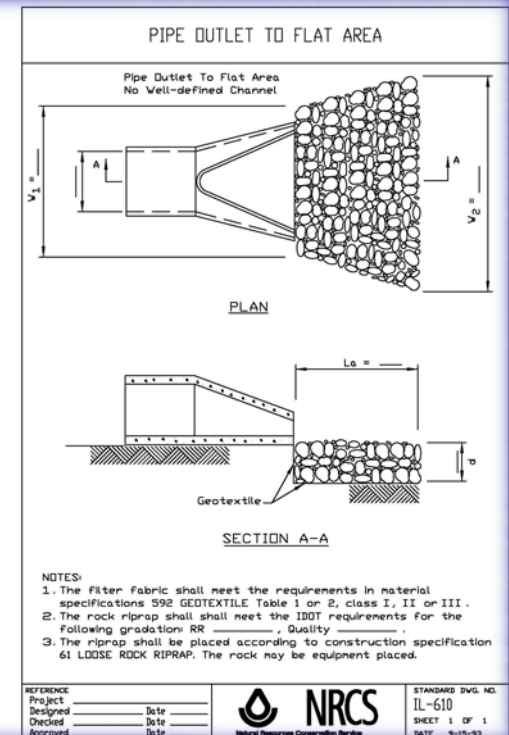
Perimeter Silt Fence





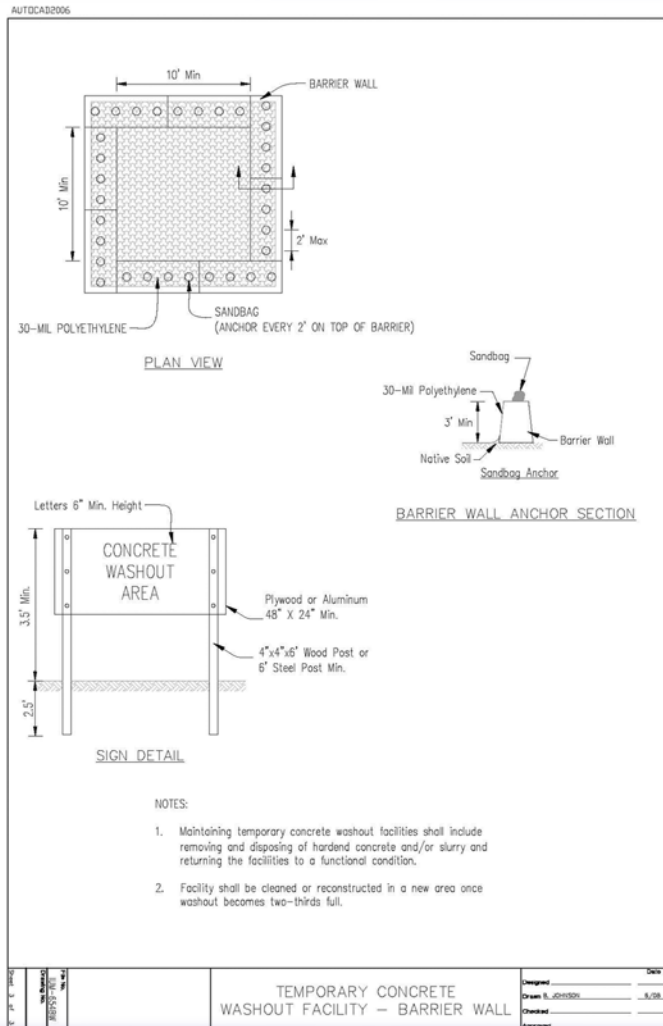
-Erosion Control Blanket Location

- Rock Lined Aprons at FES



Concrete Washout

- Location
 - Make certain not next to stormwater facility



Inlet Protection

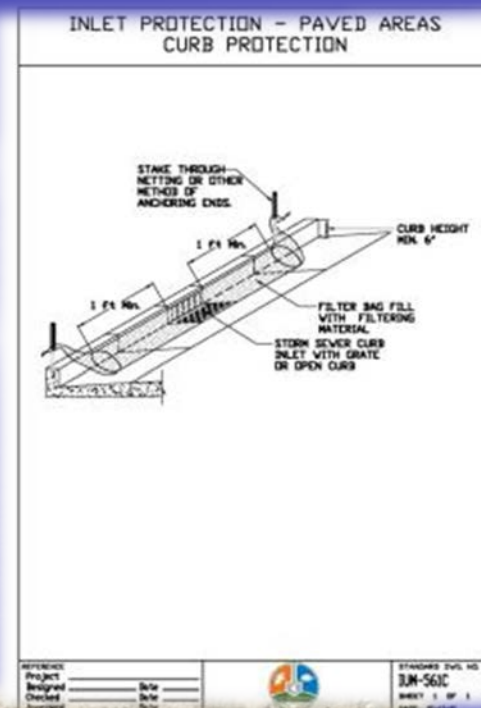
PRACTICE STANDARD

INLET PROTECTION – PAVED AREAS

(no.)
CODE 861



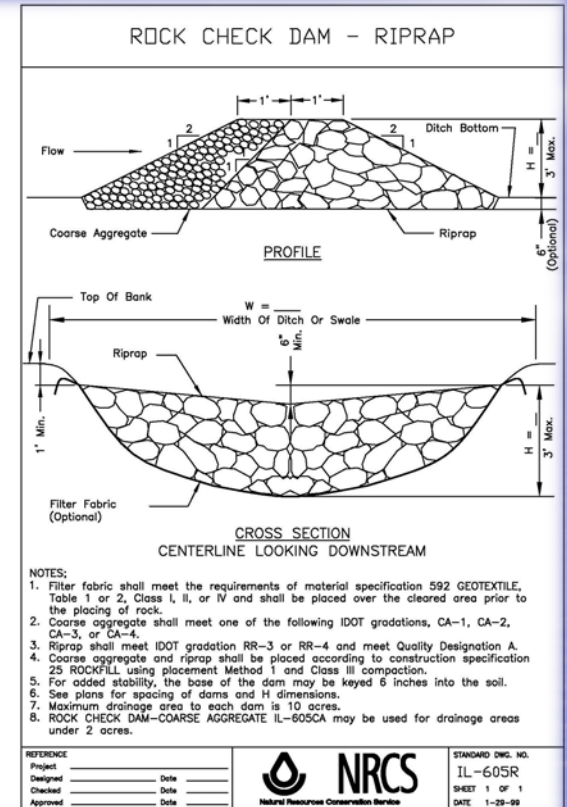
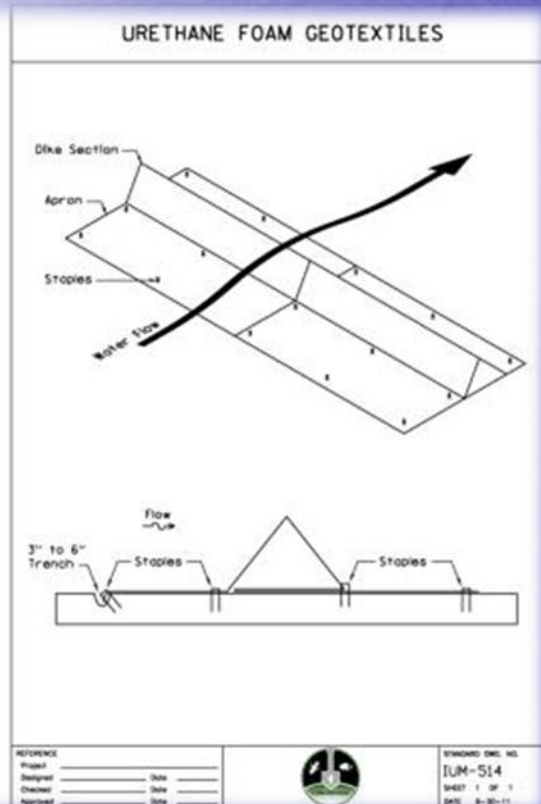
Source: AISWCD



Inlet protection using fabric only as a drop-in shall not be allowed.

Check Dams

- Rock Checks
- Manufactured ditch check



Dewatering Notes

During dewatering operations, water will be pumped into sediment basins or silt traps. Dewatering directly into field tiles or stormwater structures is prohibited.

ILLINOIS URBAN MANUAL
PRACTICE STANDARD

DEWATERING

(no.)
CODE 813



(Source: Illinois Urban Manual Technical Committee)



7. WATER PUMPED DURING CONSTRUCTION OPERATION SHALL BE FILTERED.

The Process – Plan Approval

1. Approval Letter,
 - Plans Meet Technical Standards
 - Site Inspections
2. Stamped Plans,
 - File number
 - Signature
- Mail Out:
 - Save to File
 - Corps/Municipality
 - Contractor/Owner

Kane – DuPage Soil & Water Conservation District



February 27, 2013

Name
Address
Address

Corps Number: LRC 0000 00 000
KDSWCD File: 13e000
Approved Plan Set Dated: mm/dd/yy

Dear Name:

I received your revised soil erosion and sedimentation control plan submittal for the project located in Wheaton, Illinois. Thank you for incorporating our comments into the plan, it will improve the quality of protection for the natural resources, both on and off site. This letter and a set of stamped plans located at the construction office on site, will serve to certify that the erosion and sediment control plans meet Technical Standards.

I will visit the site several times during the course of construction to assess compliance with the specifications and will be glad to address specific issues that may arise during the course of construction.

Sincerely,

Candice Jacobs, CPESC
Resource Conservationist
Kane-DuPage Soil and Water Conservation District

ECC: Project Manager, USACE

2315 Dean Street, Suite 100 St. Charles, Illinois 60175 (630) 584-7961x3 Fax: (630) 584-9534
www.kanedupageswcd.org

All programs and services of the Kane-DuPage SWCD are offered on a nondiscriminatory basis, without regard to race, color, national origin, religion, sex, marital status, or handicap.

Planning and coordination allow us to...



...help prevent this!