

Land Disturbance Plan Review Checklist

1. Erosion Control Plans

- ☐ Phased Erosion Control Plan to address all the phases during the life of the project. (i.e. Pre-construction, During construction/grading, Final Stabilization; Plan should have at least 3 phases)
- ☐ Include note on Phase III/Final Stabilization sheet(s): "All disturbed areas shall be prepped for seeding/sodding per KCMO/APWA 2406, application of seed /sod shall be done in accordance with KCMO/APWA 2406.4. The Site Disturbance permit shall be maintained in an "OPEN" status until final acceptance per KCMO/APWA 2407."
- ☐ Temporary Gravel Construction Entrance and Concrete Washout Area
- ☐ All disturbed areas protected with erosion control.
- ☐ Provide inlet protection where applicable.
- ☐ Sediment Traps:

- Existing and proposed contours shown. Maximum depth of 7 ft.
- Horizontal dimensions and ties to known location.
- Design Table provided.

Sediment Trap

Drainage Area			
Required Volume (1800 ft ³ /acre)			
Provided Volume			
Excavated Volume			
Sediment Cleanout Volume		@ Elev	

- Adequate volume (1800 ft³/acre)
- Drainage boundary provided (Max of 5 acres)
- Rock outlet shown w/ location and size.
- Sediment Cleanout Elevation provided.

- ☐ Sediment Basins:

- Horizontal dimensions and ties to known location.
- Design Table provided.

Sediment Basin

Drainage Area			
Required Surface Area (1000 ft ² /acre)			
Provided Surface Area			
Required Volume (3600 ft ³ /acre)			
Provided Volume			
Sediment Cleanout Volume		@ Elev	
Q ₂ discharge (cfs)			
Q ₂₅ discharge (cfs)			
V ₂₅ in overflow spillway (fps)			

- Adequate volume (3600 ft³/acre)
 - Drainage boundary provided (50 acres maximum)
 - Minimum Surface Area of 1000 ft²/acre
 - Max embankment height is 15 ft, minimum width is 8 ft
 - Riser/outlet information including: location, size, top elevation, size/spacing of dewatering holes in riser, trash rack
 - Overflow spillway dimensioned and located.
 - 25yr storm routed through overflow spillway.
 - Dewatering provisions per APWA 5105.1, Table 2
 - Sediment Cleanout Elevation provided.
- ☐ Stabilization of all disturbed areas

2. Title Sheet: Plan Presentation and Preparation Criteria.

- ☐ Plat Name or Project Name (if platting is not required).
- ☐ Plat Number & Case Number or Project Number (if platting is not required).
- ☐ File Number (to be assigned on first review)
- ☐ City, County, State.
- ☐ Section, Township & Range
- ☐ Consultant name, address, and phone number (and e-mail if applicable).
- ☐ Certification Block with Engineer's signature/seal
- ☐ Developer, address, and phone number (and e-mail if applicable).
- ☐ Land Disturbance Developer's Statement with Developer's signature (Ord 940108 Erosion and Sediment Control Specifications)
- ☐ Index of sheets
- ☐ Legal Description
- ☐ Location Map
- ☐ "For Construction" designation on title sheet
- ☐ Area for KC Water Reviewer to apply approval stamp
- ☐ Summary of Quantities both for erosion control and public earthwork(PUBLIC WORKS).
- ☐ Amount of Disturbed Area (off-site borrow and stockpile areas require a separate land disturbance permit)

3. General Information

- ☐ General Notes
- ☐ Work schedule for the duration of the project. Project should allow for vegetation growing season of March/April or Sept/Oct. (Code of Ord Sec 63-31.) Include line item for "Establishment of Vegetation".

- ❑ If the site/project is located upstream from an existing pond or lake, a Bond is required for the site disturbance. Engineer to provide cost estimate for installation and maintenance of erosion control for the duration of the project, including cost of maintenance for the duration of the project. **(Code of Ord 63-33?)**
- ❑ Sediment Yield Calculations Per Code 63-30(2) and APWA 5600, Figure 5608-1
- ❑ Maximum Runoff Calculations, from storm drainage study
- ❑ Documentation of proposed site characteristics (SCS soil survey, contours, and/ or FEMA floodplain panel)
- ❑ For sites/projects that propose work within a flood plain; a separate application is required for a Floodplain Development Permit and shall be submitted directly to the City Planning & Development – Plans Management Branch with an IB120 Application

4. Site Map/Grading Plan (Sec 63-29)

- ❑ Review all points where drainage discharges from the property boundary.
 - Is the conveyance system adequate?
 - Will the proposed grading cause drainage issues for adjacent property owners?
- ❑ Existing and proposed contours provide (2' interval minimum, extend 100' beyond property lines)
- ❑ Soil Types indicated.
- ❑ Existing improvements on property shown.
- ❑ Proposed site layout

5. Storm Water Pollution Prevention Plan (SWPPP – Per City's MS4 Permit)

- ❑ For projects requiring a Site Disturbance permit, verify that a copy of the SWPPP has been provided
 - Verify that the SWPPP is signed by the design Engineer.
 - Verify that the SWPPP is for the correct project.
 - Not a technical review of the SWPPP, that is done by DNR. We are just verifying that the SWPPP is provided, signed and sealed, and for the correct project.

General Comment: Please submit a copy of the design engineer's signed SWPPP (Storm Water Pollution Prevention Plan) prior to issuance the Site Disturbance Permit. The submission of the SWPPP is required by the City's MS4 Permit issued by the State.