

STORM WATER DRAINAGE SYSTEM PLAN CHECKLIST

CITY OF JEFFERSON, MISSOURI

ITEM	YES	NO
Sheet size = 22" x 34" (approx.)	_____	_____
Title block		
Owner or developer's name	_____	_____
General location or subdivision name	_____	_____
Date prepared and revision date(s)	_____	_____
Consultant's name	_____	_____
Name of project (reference closest street name)	_____	_____
The engineer's seal and signature on plan and calculations	_____	_____
Scale for drawing labeled in both plan and profile	_____	_____
North arrow	_____	_____
Bench Mark (U.S.G.S. Datum)	_____	_____
Numbers called out to 0.01feet	_____	_____
Existing and proposed right-of-way lines, with dimensions	_____	_____
Existing and proposed property lines	_____	_____
Existing and proposed easement lines with dimensions, min. width = 15 feet	_____	_____
Book and page of existing recorded easements	_____	_____
Existing features within 50 feet of proposed improvements: pavements; utilities; structures; creeks; ditches; etc.	_____	_____
Approval line with date	_____	_____
Legal descriptions of easements outside platted area	_____	_____
Drainage area map (include on plan sheet for future reference)		
Existing and proposed runoff calculations (include on plan sheet)	_____	_____
10 year design storm – residential		
25 year design storm – com'l and res'l downstream from com'l		
50 and 100 year overflow without flooding a structure	_____	_____
Inlet calculations (include on plan sheet)	_____	_____
Pipe capacity calculations (include on plan sheet)	_____	_____
3 fps < velocity < 15 fps	_____	_____

ITEM	YES	NO
Headwater depth, freeboard = 1foot min.	_____	_____
Detention calculations and erosion protection calculations (include on plan sheet)	_____	_____
Proposed drainage facility location plan	_____	_____
Structures	_____	_____
Station and offset	_____	_____
Type and size	_____	_____
Drainage area	_____	_____
Top of cover elevation	_____	_____
Flow lines of all pipes	_____	_____
Depth of structure = 3.50 feet or more (Type A) = 4.00 feet or more (Type C)	_____	_____
Drop through structure = 0.10 feet or more	_____	_____
Top of pipe (in) no lower than pipe (out)	_____	_____
Pipes and open channels	_____	_____
Location	_____	_____
Type, size, length, slope (min grade = 0.50%)(measured inside of structure to inside of structure)	_____	_____
Existing ground line as surveyed in field shown as dashed line	_____	_____
Proposed ground line shown as solid line, min. cover over line = 1 foot, not including pavement	_____	_____
Full depth chat backfill or 95% compaction under roadways	_____	_____
Pipe profile showing top and bottom pipe	_____	_____
Headwater depth of all cross road pipes labeled	_____	_____
Drainage area	_____	_____
Utility Crossings- Locations and elevations of all existing and proposed underground structures	_____	_____
Detention basin(s)	_____	_____
Limits of fill for berm	_____	_____
Limits of ponding area	_____	_____
Outlet	_____	_____
Location of creeks, ditches, swales, pipes draining to or away from proposed storm water drainage system	_____	_____
Written agreement from adjacent property owner (if applicable)	_____	_____
Locations (and elevations) of existing and proposed utilities, mailboxes, mailbox clusters, hydrants, street lights, pedestals, etc.	_____	_____
Standard construction notes on each sheet of plans	_____	_____

ITEM	YES	NO
Recorded easement(s) received and book and page labeled on plan	_____	_____
Erosion and Sediment Control Plan and BMPs(reference E & SC Checklist and SWQ Benefits Summary for requirements)	_____ _____	_____ _____
Floodplain, Floodway location, elevation (separate permit required for work within the 100 year Floodplain/Floodway) (Floodway requires a Study and a No-Rise Certificate)	_____ _____	_____ _____
Land Disturbance Permit and associated SWPPP from MDNR	_____	_____
Storm Water Quality Summary- BMPs, feature(s), associated calculations and details	_____ _____	_____ _____

Completed by _____ Date _____

Revision by _____ Date _____