BILL NO. 1392 ORDINANCE NO. 1263

AN ORDINANCE OF THE CITY OF CHESTERFIELD ADOPTING THE METROPOLITAN ST. LOUIS SEWER DISTRICT REVISED STANDARDS DATED FEBRUARY, 1997 AS THE MINIMUM STANDARDS OF THE CITY OF CHESTERFIELD WITH ADDITIONS.

WHEREAS, the City of Chesterfield, since its incorporation, has maintained as its stormwater standard, those standards promulgated by the Metropolitan St. Louis Sewer District; and,

WHEREAS, the Metropolitan St. Louis Sewer District has revised their standards which became effective as of February, 1997; and,

WHEREAS, the City of Chesterfield, having reviewed the same, feels it is appropriate for the City to adopt the standards as promulgated by Metropolitan St. Louis Sewer District subject to certain changes as noted.

NOW THEREFORE BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI, AS FOLLOWS:

Section 1. The City of Chesterfield, as effective May 19, 1997, hereby adopts by reference MSD revised standards of February, 1997. The City of Chesterfield, unless otherwise acted upon, shall adopt by reference any changes made by MSD to the standards as effective as of February, 1997.

Section 2. The City Director of Public Works shall maintain copies of said standard in his office and make available at all times hereafter.

Section 3. In addition to the standard as promulgated by MSD, the City of Chesterfield hereby supplements those standards which will be added to and effective in the City of Chesterfield as of the adoption of the new MSD standards and shall read as follows:

A. GENERAL

As-built plans are to be submitted to the City.

Granular backfill is required within trenches located in the right of way and adjacent areas. (This includes sidewalks that are installed on easements adjacent to right of way.)

Minimum 1% slope is required on any grassed area; 2% minimum slope in grassed swales.

Siltation control measures are to be designed, constructed and maintained until adequate vegetation established.

The adequacy of any existing downstream storm sewer is to be verified and upgraded if necessary. Undersized downstream storm sewers are to be replaced until overflow(s) can be accommodated on right of way.

Storm sewer outlets within 10 feet of a sanitary sewer crossing to be extended past the sanitary sewer crossing.

B. **DESIGN CRITERIA.**

40% blockage factor to be used in sizing inlets at low points. Inlet capacities are to be determined by the HEC (hydraulic engineering circulars).

Concentrated flow directed across sidewalks is limited to 1 cfs (as in unincorporated County).

Lowest sill of structure(s) adjacent to 100 year overflow or ponding areas are to be at least 1 foot above the high water elevation.

Pavement under drains are to be installed the full width of pavement at curb inlets.

C. **DETENTION.**

For purposes of determination of detention calculation methods, and calculations to which differential calculations apply, undeveloped (instead of existing) vs. post-development conditions to be used.

Allowable release rates may be reduced due to downstream conditions.

Detention storage is to be provided for the current project phase, as applicable. Each successive phase may require basin modification as necessary to accommodate increases in runoff.

When developments are within sites served by local and regional detention facilities, the City will require an analysis of downstream effects and compliance with detention requirements at time of development for areas served by regional type detention basins which were installed previously.

Minimum slope of 1% for paved swales.

Underground facilities generally to be rectangular vaults. Circular reinforced concrete pipe, minimum Class IV and 60" minimum diameter, with confined "O" ring joints permitted. Pipe and joints must meet requirements of ASTM C-361

D. **FLOOD PLAIN**

All requirements of the flood damage prevention ordinance are incorporated herein as may be revised from time to time.

If floodplain is proposed to be altered, LOMR is to be obtained prior to the full release of subdivision escrows. Unless (2)CLOMR is obtained prior to the issuance of building permit for a lot that is to be removed from the Special Flood Hazard Area, the lot will have to conform to SFHA requirements.

E. **EASEMENTS.**

Ponding easements are required for the 100 year storm.

F. **ABILITY TO WAIVE REQUIREMENTS.**

The Director of Public Works is empowered to grant exceptions to the requirements on a case by case basis when specific requirements are onerous and inappropriate for a particular development.

Section 4. This Ordinance shall remain in full force and effect from and after its passage and approval.

Passed and approved this 19TH day of May, 1997

MAYOR

ATTEST:

CITY CLERK