



ST. CHARLES  
SINCE 1834

### AGENDA ITEM EXECUTIVE SUMMARY

Title: Presentation of Annual Updates for the St. Charles Engineering Design and Inspection Policy Manual

Presenter: James J. Bernahl

*Please check appropriate box:*

<input checked="" type="checkbox"/>	Government Operations	X	Government Services 04.23.12
<input type="checkbox"/>	Planning & Development		City Council
<input type="checkbox"/>	Public Hearing		

Estimated Cost: \$0      Budgeted: YES    X    NO

If NO, please explain how item will be funded:

#### **Executive Summary:**

Previously staff made a presentation on the St Charles Engineering Design and Inspection Policy Manual. This manual was developed among the engineers in Community Development, Public Works, and Public Works Operational Divisions. As part of that presentation, staff made the recommendation that the City Council adopt this manual to help consolidate the most current City design and inspection guidelines. As part of the adoption of this manual, to assure that the City Council is aware of any changes made on an as needed or annual basis, staff presents any updates to the manual for City Council approval. Although many of these changes to the manual would be considered minimal in nature (e.g. New State Highway Manual, Revised MUTCD Manual, etc.) this approach will assure that the City Council is aware of any modifications.

As you may recall the reasoning for the development of this manual was to create an updated and consolidated location for all approved Engineering design and inspection guidelines for current residents, potential developers, as well as staff. By consolidating all of these requirements into one manual it is staff's hope that this will help reduce these types of frequent changes to the City Code and thus create a more consistent and efficient resource for the residents, potential developers, and staff.

#### **Attachments:** *(please list)*

Copy of modifications made to the Policy Manual in 2011

#### **Recommendation / Suggested Action** *(briefly explain):*

Recommendation to Approve the Modifications to the St. Charles Engineering Design and Inspection Policy Manual

*For office use only:*

*Agenda Item Number: 5.c*

STANDARD ENGINEERING DETAILS

Revisions / Updates

April 2, 2012

ITEM	DESCRIPTION	CURRENT DATE	REVISIONS NOTES
A-1	CHIMNEY SEAL	3/31/2009	
A-2	SANITARY MANHOLE	7/27/2010	
A-3	COPPER WATER SERVICE CONNECTION	1/12/2009	
A-4	SANITARY SEWER CONNECTION TO EXISTING MANHOLE	3/31/2009	
A-5	PVC PIPE TRENCH	8/14/2009	
A-6	RCP & DIP TRENCH	8/14/2009	
A-7	THRUST BLOCK INSTALLATION	3/2/2011	Note Number 1, degree of bend
A-8	SERVICE BOX IN PAVED AREA	3/31/2009	
B-1	VALVE VAULT	7/27/2010	
B-2	PRESSURE CONNECTION	7/27/2010	
B-3	TYPE A & B STORM MANHOLE	7/27/2010	
B-4	TYPE A & B STORM MANHOLE WITH RESTRICTOR	7/27/2010	
B-5	TYPE A & B CATCH BASIN	7/27/2010	
B-6	HYDRANT INSTALLATION	11/19/2009	
B-7	DROP MANHOLE	3/31/2009	
B-8	RESTRICTOR STRUCTURE	10/25/2011	Removed min 3" diameter restrictor, 18" min sump added
C-1	SUMP PUMP DISCHARGE CONNECTION	3/31/2009	
C-2	SANITARY & STORM SERVICE	12/8/2010	
C-3	STABILIZED CONSTRUCTION ENTRANCE	3/31/2009	
C-4	OVERFLOW (WEIR) STRUCTURE	3/31/2009	
C-5	STRAW BALE FILTER (VOID)	3/31/2009	
C-6	EROSION CONTROL BLANKET (VOID)	3/31/2009	
C-7	WATER MAIN RESTRAINT	3/31/2009	
C-8	MOUNTABLE CURB & GUTTER	9/30/2010	
D-1	BRICK PAVING IN ROADWAY	1/18/2012	Detail added as part of 2012 MFT
D-2	MINIMUM PAVEMENT (VOID)	11/25/2009	
D-3	PAVEMENT PATCH	12/8/2010	
D-4	MINIMUM PAVEMENT	2/3/2010	
D-5	B6.12 COMBINATION CURB & GUTTER	10/22/2010	
D-6	PIPE UNDERDRAIN	1/20/2011	Underdrains shown as diagonals across street
D-7	STANDARD COVER	11/19/2009	
D-8	BRICK PAVING	3/31/2009	

STANDARD ENGINEERING DETAILS

Revisions / Updates

April 2, 2012

ITEM	DESCRIPTION	CURRENT DATE	REVISIONS NOTES
E-1	TYPE A INLET	3/31/2009	
E-2	TYPE C CATCH BASIN	8/18/2010	
E-3	DRIVEWAY	3/31/2009	
E-4	WATER MAIN CROSSING	3/31/2009	
E-5	CONCRETE WALK JOINTS	3/31/2009	
E-6	FRAME AND LID ADJUSTMENT WITH CONCRETE COLLAR	12/8/2010	
E-7	PLANTING GUIDELINES	3/31/2009	
E-8	PIPE UNDERDRAIN (VOID)	3/31/2009	
F-1	FLARED END SECTION EROSION CONTROL (VOID)	3/31/2009	
F-2	TEMPORARY DITCH CHECK (VOID)	3/31/2009	
F-3	TEMPORARY TOPSOIL STOCKPILE	3/31/2009	
F-4	B6.18 CURB & GUTTER FOR R-3250 CURB INLET	3/31/2009	
F-5	BUTTERFLY VALVE VAULT	7/27/2010	
F-6	LOT GRADING GUIDELINES	3/31/2009	
F-7	PIT-SET METER VAULT (VOID)	3/31/2009	
F-8	N/A	N/A	
G-1	B6.18 COMBINATION CURB & GUTTER	10/22/2010	
G-2	SIDEWALK AT CURB & GUTTER	3/31/2009	
G-3	PIPE COUPLING	3/31/2009	
G-4	CASING PIPE	11/2/2009	
G-5	B4.12 COMBINATION CURB & GUTTER	10/22/2010	
G-6	EROSION CONTROL	12/9/2011	
G-7	RESTRICTOR STRUCTURE (VOID)	9/8/2010	
G-8	SILT FENCE (VOID)	3/31/2009	

Updated per Illinois Urban Manual web site