

CONSTRUCTION DETAILS

CD3

CONCRETE MANHOLES

MANHOLE SIZE	MINIMUM COVER	MINIMUM WALL THICKNESS	MINIMUM RING THICKNESS
18" DIA.	18"	8"	4"
24" DIA.	24"	10"	5"
30" DIA.	30"	12"	6"
36" DIA.	36"	14"	7"
42" DIA.	42"	16"	8"
48" DIA.	48"	18"	9"
54" DIA.	54"	20"	10"
60" DIA.	60"	22"	11"
66" DIA.	66"	24"	12"
72" DIA.	72"	26"	13"
78" DIA.	78"	28"	14"
84" DIA.	84"	30"	15"
90" DIA.	90"	32"	16"
96" DIA.	96"	34"	17"
102" DIA.	102"	36"	18"

GENERAL NOTES:
1. Do not scale drawing. Follow dimensions.
2. For manhole details refer to the Sewer Construction Details for Standard Details CD64.3A.
3. When required the manhole shall be constructed on each side of the inlet shall be set up to meet the top of the inlet above elevation.
4. Canted inlet to be used only when there is a 1% cross slope or when there is no sidewalk required.
5. Canted inlets allowed only when opposite the direction of traffic.
6. Transition curb to be used at right angle.

ST. LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI
SEWER CONSTRUCTION DETAILS
CONCRETE MANHOLES
APPROVED: [Signature]
DATE: JUN 11 1998 DRAWING: CD64.3A

STREET AND AREA INLETS

GENERAL NOTES:
1. Do not scale drawing. Follow dimensions.
2. For inlet details refer to the Sewer Construction Details for Standard Details CD64.3A.
3. When required the inlet shall be constructed on each side of the inlet shall be set up to meet the top of the inlet above elevation.
4. Canted inlet to be used only when there is a 1% cross slope or when there is no sidewalk required.
5. Canted inlets allowed only when opposite the direction of traffic.
6. Transition curb to be used at right angle.

ST. LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI
SEWER CONSTRUCTION DETAILS
STREET AND AREA INLETS
APPROVED: [Signature]
DATE: JUN 11 1998 DRAWING: CD64.3B

GRATE INLETS

GENERAL NOTES:
1. Do not scale drawing. Follow dimensions.
2. For grate inlet details refer to the Sewer Construction Details for Standard Details CD64.3A.
3. When required the grate inlet shall be constructed on each side of the inlet shall be set up to meet the top of the inlet above elevation.
4. Canted inlet to be used only when there is a 1% cross slope or when there is no sidewalk required.
5. Canted inlets allowed only when opposite the direction of traffic.
6. Transition curb to be used at right angle.

ST. LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI
SEWER CONSTRUCTION DETAILS
GRATE INLETS
APPROVED: [Signature]
DATE: JUN 11 1998 DRAWING: CD64.3C

GRATE INLET IN DITCH

GENERAL NOTES:
1. Do not scale drawing. Follow dimensions.
2. For grate inlet details refer to the Sewer Construction Details for Standard Details CD64.3A.
3. When required the grate inlet shall be constructed on each side of the inlet shall be set up to meet the top of the inlet above elevation.
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5. Canted inlets allowed only when opposite the direction of traffic.
6. Transition curb to be used at right angle.

ST. LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI
SEWER CONSTRUCTION DETAILS
GRATE INLET IN DITCH
APPROVED: [Signature]
DATE: JUN 11 1998 DRAWING: CD64.3D

SINGLE INLET - CANTED AT 45° ANGLE

MULTIPLE INLET - CANTED AT 25° ANGLE

GENERAL NOTES:
1. Do not scale drawing. Follow dimensions.
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4. Canted inlet to be used only when there is a 1% cross slope or when there is no sidewalk required.
5. Canted inlets allowed only when opposite the direction of traffic.
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ST. LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI
SEWER CONSTRUCTION DETAILS
CANTED INLETS
APPROVED: [Signature]
DATE: JUN 11 1998 DRAWING: CD64.3E

DOUBLE AREA INLET

MULTIPLE INLETS

GENERAL NOTES:
1. Do not scale drawing. Follow dimensions.
2. For inlet details refer to the Sewer Construction Details for Standard Details CD64.3A.
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4. Canted inlet to be used only when there is a 1% cross slope or when there is no sidewalk required.
5. Canted inlets allowed only when opposite the direction of traffic.
6. Transition curb to be used at right angle.

ST. LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI
SEWER CONSTRUCTION DETAILS
DOUBLE AND MULTIPLE INLETS
APPROVED: [Signature]
DATE: JUN 11 1998 DRAWING: CD64.3F

STREET INLET SUMPS

GENERAL NOTES:
1. Do not scale drawing. Follow dimensions.
2. For inlet sump details refer to the Sewer Construction Details for Standard Details CD64.3A.
3. When required the inlet sump shall be constructed on each side of the inlet shall be set up to meet the top of the inlet above elevation.
4. Canted inlet to be used only when there is a 1% cross slope or when there is no sidewalk required.
5. Canted inlets allowed only when opposite the direction of traffic.
6. Transition curb to be used at right angle.

ST. LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI
SEWER CONSTRUCTION DETAILS
STREET INLET SUMPS
APPROVED: [Signature]
DATE: JUN 11 1998 DRAWING: CD64.3G

MANHOLES ON CONCRETE PIPE

GENERAL NOTES:
1. Do not scale drawing. Follow dimensions.
2. For manhole details refer to the Sewer Construction Details for Standard Details CD64.3A.
3. When required the manhole shall be constructed on each side of the inlet shall be set up to meet the top of the inlet above elevation.
4. Canted inlet to be used only when there is a 1% cross slope or when there is no sidewalk required.
5. Canted inlets allowed only when opposite the direction of traffic.
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ST. LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI
SEWER CONSTRUCTION DETAILS
MANHOLES
APPROVED: [Signature]
DATE: JUN 11 1998 DRAWING: CD64.3H

MANHOLE AND FORCE STRUCTURE

GENERAL NOTES:
1. Do not scale drawing. Follow dimensions.
2. For manhole details refer to the Sewer Construction Details for Standard Details CD64.3A.
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4. Canted inlet to be used only when there is a 1% cross slope or when there is no sidewalk required.
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ST. LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI
SEWER CONSTRUCTION DETAILS
MANHOLE AND FORCE STRUCTURE
APPROVED: [Signature]
DATE: JUN 11 1998 DRAWING: CD64.3I

LARGE SEWER STRUCTURE

GENERAL NOTES:
1. Do not scale drawing. Follow dimensions.
2. For large sewer structure details refer to the Sewer Construction Details for Standard Details CD64.3A.
3. When required the large sewer structure shall be constructed on each side of the inlet shall be set up to meet the top of the inlet above elevation.
4. Canted inlet to be used only when there is a 1% cross slope or when there is no sidewalk required.
5. Canted inlets allowed only when opposite the direction of traffic.
6. Transition curb to be used at right angle.

ST. LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI
SEWER CONSTRUCTION DETAILS
LARGE SEWER STRUCTURE
APPROVED: [Signature]
DATE: JUN 11 1998 DRAWING: CD64.3J

CONNECTIONS TO LARGE SEWERS

SUMP STRUCTURES

GENERAL NOTES:
1. Do not scale drawing. Follow dimensions.
2. For connection details refer to the Sewer Construction Details for Standard Details CD64.3A.
3. When required the connection shall be constructed on each side of the inlet shall be set up to meet the top of the inlet above elevation.
4. Canted inlet to be used only when there is a 1% cross slope or when there is no sidewalk required.
5. Canted inlets allowed only when opposite the direction of traffic.
6. Transition curb to be used at right angle.

ST. LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI
SEWER CONSTRUCTION DETAILS
CONNECTIONS TO LARGE SEWERS AND SUMP STRUCTURES
APPROVED: [Signature]
DATE: JUN 11 1998 DRAWING: CD64.3K

MANHOLE CONNECTIONS

GENERAL NOTES:
1. Do not scale drawing. Follow dimensions.
2. For manhole connection details refer to the Sewer Construction Details for Standard Details CD64.3A.
3. When required the manhole connection shall be constructed on each side of the inlet shall be set up to meet the top of the inlet above elevation.
4. Canted inlet to be used only when there is a 1% cross slope or when there is no sidewalk required.
5. Canted inlets allowed only when opposite the direction of traffic.
6. Transition curb to be used at right angle.

ST. LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI
SEWER CONSTRUCTION DETAILS
MANHOLE CONNECTIONS
APPROVED: [Signature]
DATE: JUN 11 1998 DRAWING: CD64.3L