CALUMET RANCH
CONSTRUCTION DETAILS
Dec 1994 (East Portion) Job No. 92-120A

CALL	USE	a	STRAIGHT BARS
G-1	2, 3, OR 4 GRATE	3'-4"	
G-2	6 & 8 GRATE	5'-10"	
H-2	2 GRATE		3'-6"
H-3	3 & 6 GRATE		4'-9"
H-4	4 & 8 GRATE		6'-0"

SECTION A-A

STEEL REQUIREMENTS FOR GRATE INLET SEAT

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PLAN

ELEVATION

END VIEW

SECTION B-B

CAST IRON SIDE INTAKE UNIT FOR GRATED INLETS 249 LBS.

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CAST IRON MANHOLE FRAME

SECTION A-A
(230 lbs)

CAST IRON MANHOLE FRAME

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MACHINE CONTACTING SURFACES FOR SEAT OF STANDARD MANHOLE FRAME AND BEARING SURFACE COVERS

SECTION A-A
STANDARD CAST IRON INLET COVER

NOTE B
PROVIDE "B" RAISED LETTERING APPROXIMATELY:
3/4" TO 1" HIGH
B1 METRO ST LOUIS
B2 SEWER DIST SEWERS

TYPE "B" 152 LBS

TYPE "A" 145+ LBS

SECTION C-C

SECTION D-D

PLAN OF SLOTTED-TYPE COVER PLAN OF CLOSED-TYPE COVER
STANDARD CAST IRON MANHOLE COVERS

CAST IRON COVERS MANHOLES AND INLETS

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CAST IRON MANHOLE COVERS (LOCK TYPE)

NOTE K WATERTITE COVER REQUIRED USE APPROVED BUTYL RUBBER PREFORMED MASTIC SEALANT BETWEEN COVER AND FRAME

TYPE 'T'

TYPE 'N'

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GRAY IRON CASTING A 48 AASHTO CLASS 30B WITH COATING M.S.D. SPECIFICATION PART 2 SECTION 6

LOCKING DEVICE FOR TYPE "T" LOCK TYPE MANHOLE COVER

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LOCK LUG
NOT TO SCALE

LOCKING DEVICE FOR TYPE "N" LOCK TYPE MANHOLE COVER

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SECTION A-A

COPOLYMER POLYPROPYLENE PLASTIC

PS1-B MANHOLE STEP INTO JOINT

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SECTION A-A

COPOLYMER POLYPROPYLENE PLASTIC

MANHOLE STEP FOR PRECAST MANHOLE

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PLAN

SECTION D-D

SECTION B-B
INLET

SECTION C-C
SUMP FOR SINGLE UNIT INLET

GUTTER SUMP FOR MULTIPLE UNIT INLET

GUTTER SUMPS FOR VERTICAL CURB

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PLAN OF GUTTER SUMP

FRONT VIEW OF GUTTER SUMP

SECTION A-A

SECTION B-B

GUTTER SUMP FOR LIP CURB

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PLAN VIEW

SECTION A-A

END VIEW

FLARED END SECTION

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TYPICAL PLAN & SECTION AT SEWER LINE DISCHARGING INTO CHANNEL

DETAIL OF CONCRETE COLLAR

STORMWATER CHANNELS

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HOUSE CONNECTION

HOUSE CONNECTION TO EXISTING TEE OR WYE

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MACHINE TAP

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