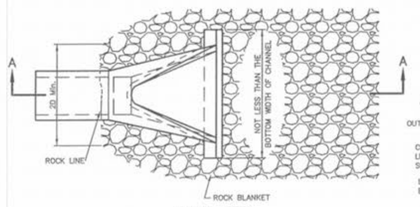
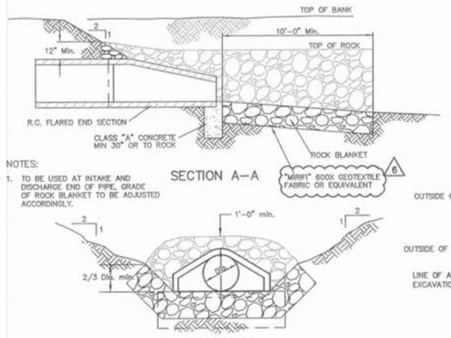
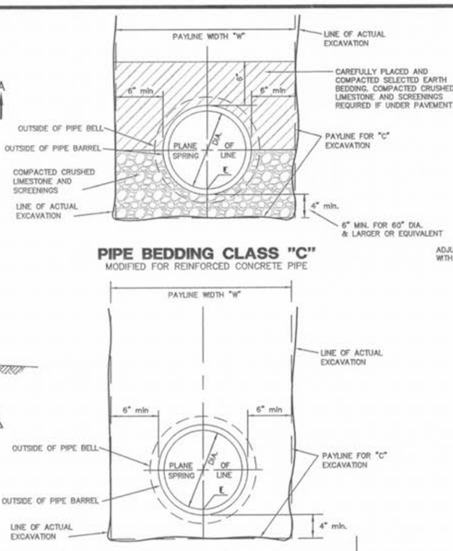


PLAN VIEW



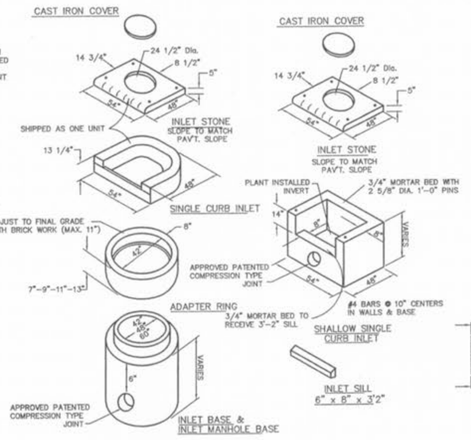
END VIEW

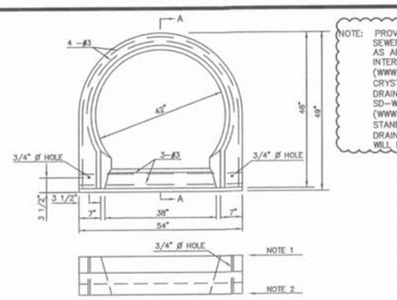
FLARED END SECTION



PIPE BEDDING CLASS "C"
MODIFIED FOR REINFORCED CONCRETE PIPE

TRENCH DETAIL



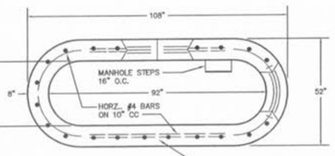


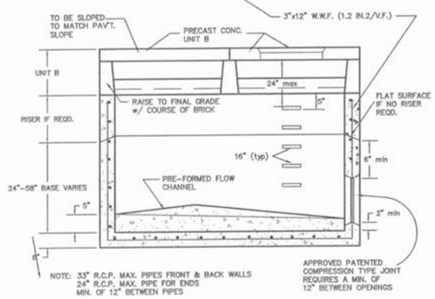
NOTES:
1. SET STANDARD INLET STONR IN 3/4" MORTAR BED AND DOWEL WITH 5/8" DIA. 1'-0" LONG PINS AND GROUT.
2. RAISE TO FINAL GRADE WITH COURSES OF BRICK AND 3/4" MORTAR BED.
3. THIS UNIT IS TO BE USED WITH, 42" I.D., POURED IN PLACE CONCRETE OR BRICK BASE.
4. 4000 P.S.I. CONCRETE REQUIRED.

SINGLE STREET INLET
PRE-CAST CONCRETE UNIT

SINGLE STREET INLET
PRECAST CONCRETE

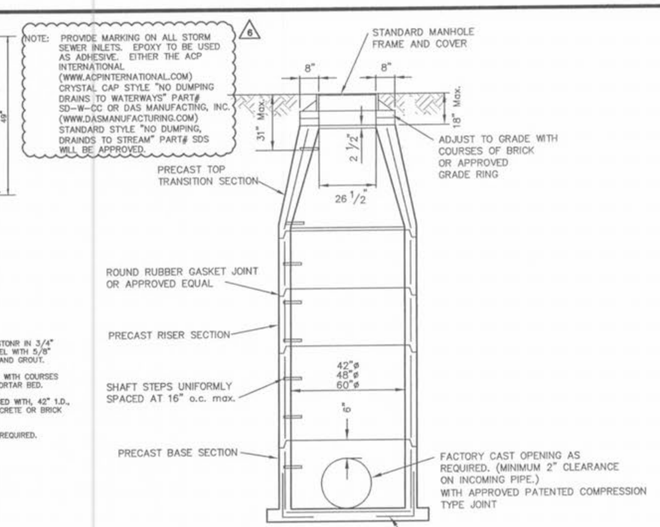
NOTE: PROVIDE MARKING ON ALL STORM SEWER INLETS. EPOXY TO BE USED AS ADHESIVE. EITHER THE ACP INTERNATIONAL (WWW.ACPINTERNATIONAL.COM) CRYSTAL CAP STYLE "NO DUMPING DRAINS TO WATERWAYS" PART# SD-W-CC OR DAS MANUFACTING, INC. (WWW.DASMANUFACTURING.COM) STANDARD STYLE "NO DUMPING, DRAINDS TO STREAM" PART# SDS WILL BE APPROVED. 6





DOUBLE UNTRAPPED STREET INLET
PRECAST CONCRETE

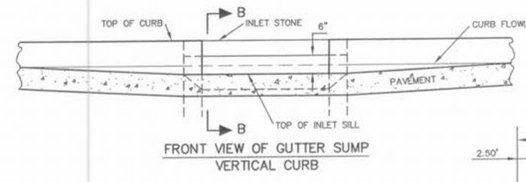
NOTE: PROVIDE MARKING ON ALL STORM SEWER INLETS. EPOXY TO BE USED AS ADHESIVE. EITHER THE ACP INTERNATIONAL (WWW.ACPINTERNATIONAL.COM) CRYSTAL CAP STYLE "NO DUMPING DRAINS TO WATERWAYS" PART# SD-W-CC OR DAS MANUFACTING, INC. (WWW.DASMANUFACTURING.COM) STANDARD STYLE "NO DUMPING, DRAINDS TO STREAM" PART# SDS WILL BE APPROVED. 6



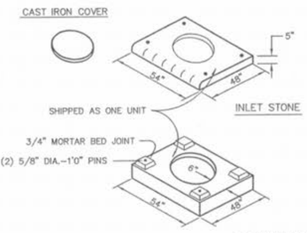
FLOWLINE ELEVATION OF INCOMING PIPES SHALL BE ONE (1) INCH HIGHER THAN THAN THAT OF OUTGOING PIPE.

18" DIAMETER PIPE REQUIRES A 48" DIAMETER MANHOLE

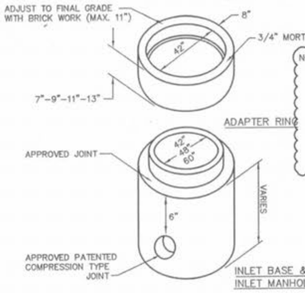
PRECAST MANHOLE



FRONT VIEW OF GUTTER SUMP
VERTICAL CURB



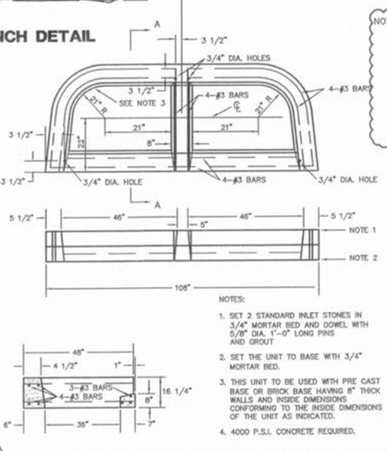
4 WAY CONCRETE UNIT



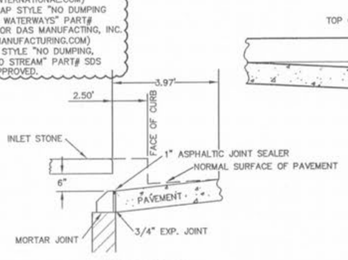
AREA INLET PRECAST CONCRETE

NOTES:
1. SET 2 STANDARD INLET STONES IN 3/4" MORTAR BED AND DOWEL WITH 5/8" DIA. 1'-0" LONG PINS AND GROUT
2. SET THE UNIT TO BASE WITH 3/4" MORTAR BED.
3. THIS UNIT TO BE USED WITH PRE CAST BASE OR BRICK BASE HAVING 8" THICK WALLS AND INSIDE DIMENSIONS CONFORMING TO THE INSIDE DIMENSIONS OF THE UNIT AS INDICATED.
4. 4000 P.S.I. CONCRETE REQUIRED.

MODIFIED PRE-CAST CONCRETE UNIT B
FOR STREET DOUBLE INLET

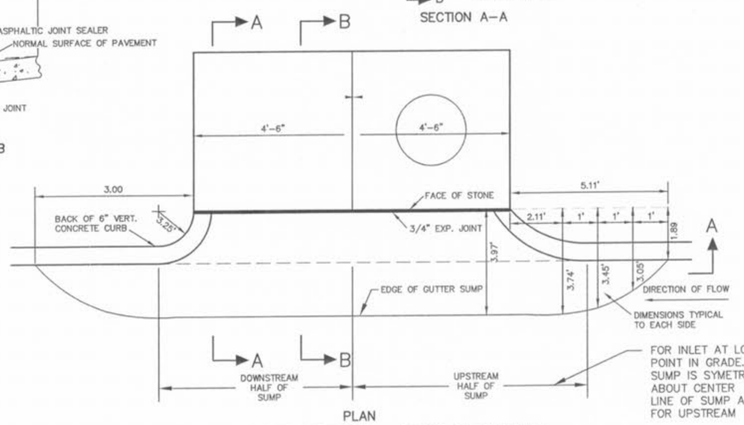


NOTE: A 5/8"ø TRASH BAR SHALL BE REQUIRED IN THE THROAT OF ALL INLETS. 3



SECTION A-A

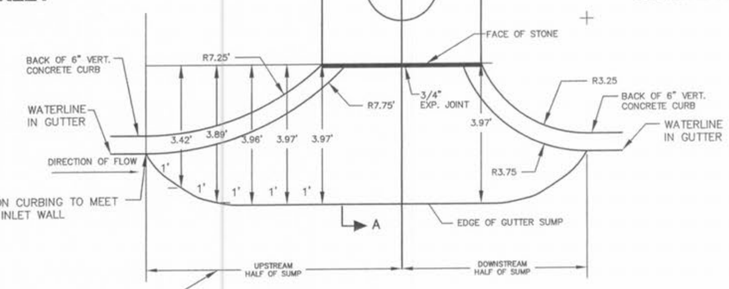
SECTION B-B



PLAN

GUTTER SUMP DETAIL - DOUBLE INLET

SECTION A-A



PLAN

GUTTER SUMP DETAIL - SINGLE INLET
CONSTRUCT SYMETRICALLY ABOUT THE CENTERLINE OF INLET

2 PER CITY OF O'FALLON COMMENTS 03/12/03
1 PER CITY OF O'FALLON COMMENTS 06/27/02
6 PER CITY OF O'FALLON COMMENTS 11/22/05
3 PER CITY OF O'FALLON COMMENTS 06/06/03

PREPARED FOR:
HENNESSEY DEVELOPMENT
9904 CLAYTON RD.
SUITE 122
ST. LOUIS, MO. 63124
PH. (314) 991-1248
FAX (314) 991-0964

CITY OF O'FALLON FILE NO.
31.01.01

STATE OF MISSOURI
LEONARD J. MEERS
NUMBER E-28268
REGISTERED PROFESSIONAL ENGINEER
12/7/05

CRUSHER ROAD
STORM SEWER DETAILS

J. R. GRIMES
CONSULTING ENGINEERS, INC.
12300 OLD TESSON ROAD
SUITE 3000
ST. LOUIS, MO. 63128
PH. (314) 849-6100
FAX (314) 849-6010

DRAWN BY:	DATE:	CHECKED BY:	DATE:	JOB NUMBER:	SHEET:
JLW	11/07/01	JRG	11/07/01	675E	C11

J:\0675E\PLANS\C11-STORM-DET.dwg, PLOT, 11/22/2005 5:05:11 PM, johnk