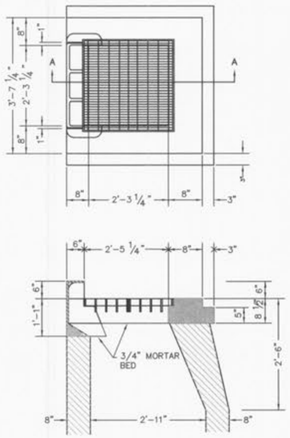
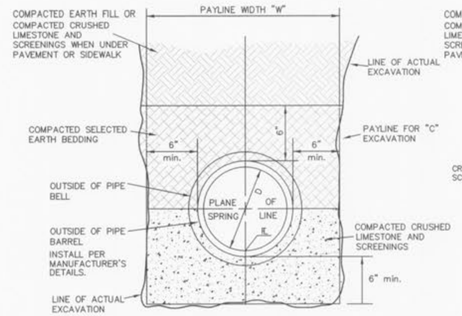


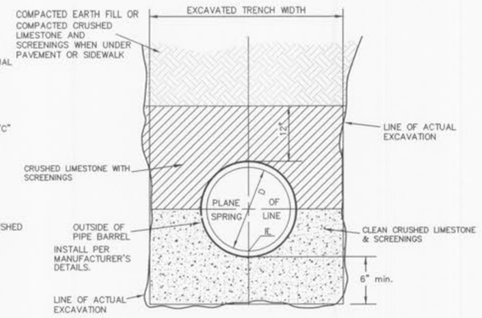
2 GRATE INLET w/SIDE INTAKE DETAIL

(n.t.s.)



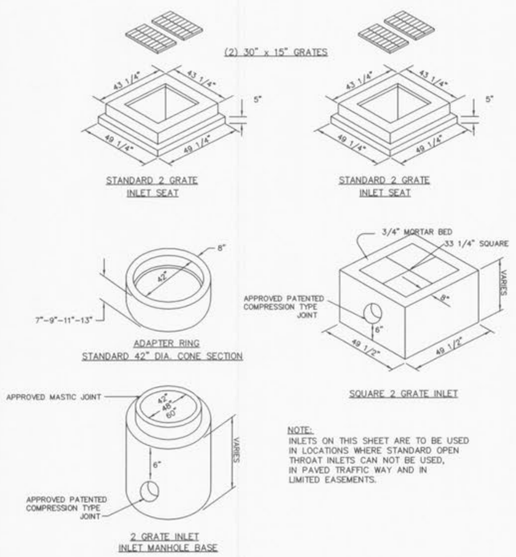
PIPE BEDDING

(MODIFIED FOR REINFORCED CONC. PIPE)



PIPE BEDDING

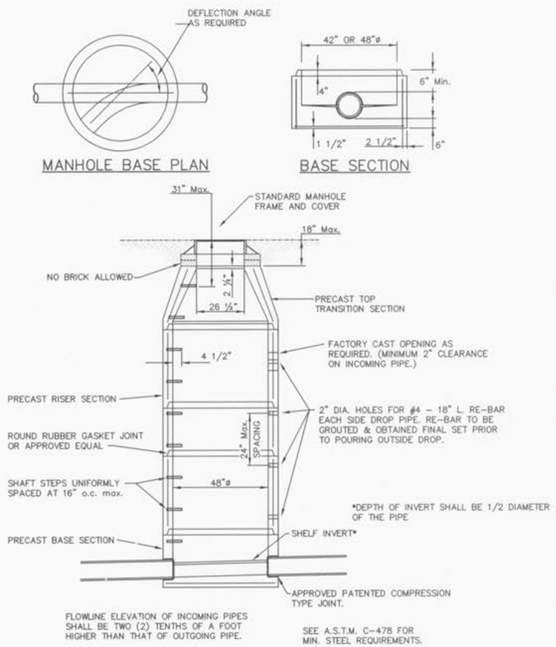
(FOR ALL PIPE EXCEPT REINFORCED CONC. PIPE)



NOTE:
INLETS ON THIS SHEET ARE TO BE USED IN LOCATIONS WHERE STANDARD OPEN THROAT INLETS CAN NOT BE USED, IN PAVED TRAFFIC WAY AND IN LIMITED EASEMENTS.

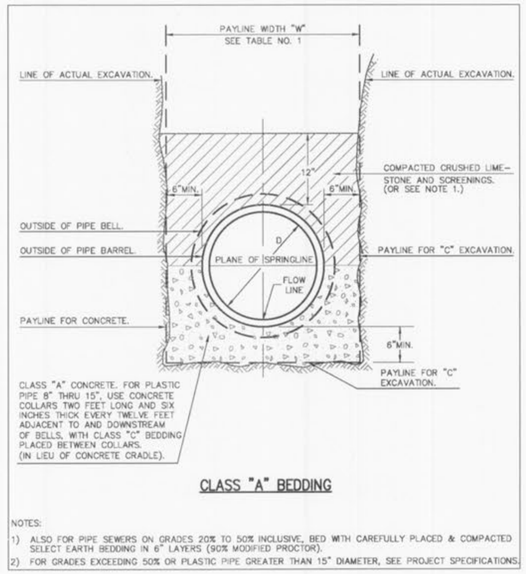
2 GRATE INLET DETAIL

(n.t.s.)



PRECAST MANHOLE

(n.t.s.)



CLASS "A" BEDDING

NOTES:
1) ALSO FOR PIPE SEWERS ON GRADES 20% TO 50% INCLUSIVE, BED WITH CAREFULLY PLACED & COMPACTED SELECT EARTH BEDDING IN 6" LAYERS (90% MODIFIED PROCTOR).
2) FOR GRADES EXCEEDING 50% OR PLASTIC PIPE GREATER THAN 15" DIAMETER, SEE PROJECT SPECIFICATIONS.

CONCRETE CRADLE

(n.t.s.)

NOTE: PROVIDE STORM SEWER INLET MARKINGS PER FOLLOWING:

NOTE:
PROVIDE A MARKING ON THE STORM SEWER INLETS. THE CITY WILL ALLLOW THE FOLLOWING MARKERS AND ADHESIVE PROCEDURES ONLY AS SHOWN IN THE TABLE BELOW OR AN APPROVED EQUAL BY ALMETEK INDUSTRIES. "PEEL AND STICK" ADHESIVE PADS WILL NOT BE ALLOWED.

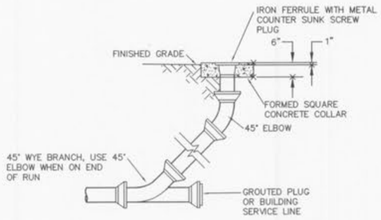
Manufacturer	Size	Adhesive	Style	Message (Part #)	Website
ACP International	3 7/8"	Epoxy	Crystal Cap	No Dumping Drains To Waterways (SD-W-CC)	www.acpinternational.com
DAS Manufacturing, Inc.	4"	Epoxy	Standard Style	No Dumping Drains To Stream (#SDS)	www.dasmanufacturing.com

PRECAST CONCRETE STORMWATER STRUCTURES

MINIMUM DISTANCE FLOWLINE TO TOP OF STONE OR GRATE

PIPE ID NOMINAL INCHES	AREA INLET CIRCULAR BASE DIA. 42"	48"	60"	2 GRATE INLET CIRCULAR BASE DIA. 42"	48"	60"	SQUARE (MAX.)	SINGLE STREET INLET CIRCULAR BASE DIA. 42"	48"	60"	RECTANGLE (MAX.)
12"	45"			38"			31"	48"			41"
15"	48"			41"			34"	51"			44"
18"	52"			44"			37"	55"			48"
21"	55"			47"			40"	58"			51"
24"		58"			51"		44"		61"		54"
27"			78"			71"	NA			81"	NA
30"			82"			74"	NA			85"	NA
33"			85"			77"	NA			88"	NA

NOTE: 1. 48" DIA. BASE REQUIRES 7" HIGH TRANSITION SECTION TO 42" DIA., SIMILAR TO "ADAPTER RING".
2. 60" DIA. BASE REQUIRES 24" HIGH CONCENTRIC REDUCER TRANSITION TO 42" DIA., SIMILAR TO "ADAPTER RING".



DETAIL OF SEWER CLEANOUT

(n.t.s.)

3	CITY APPROVAL 02/01/11
2	CITY COMMENTS 01/26/11
1	CITY COMMENTS 01/13/11

02/01/11

STATE OF MISSOURI — GEORGE MICHAEL STOCK — NUMBER E-25116 — REGISTERED PROFESSIONAL ENGINEER

GEORGE M. STOCK E-25116
CIVIL ENGINEER
CERTIFICATE OF AUTHORITY NUMBER: 000996

THE CROSSING AT RIVERSIDE CENTRE

SEWER DETAILS

STOCK & ASSOCIATES Consulting Engineers, Inc.
257 Chesterfield Business Parkway
St. Louis, MO 63005
PH. (636) 530-9100
FAX (636) 530-9130
e-mail: general@stockassoc.com
Web: www.stockassoc.com

DRAWN BY:	DATE:	CHECKED BY:	DATE:	JOB NUMBER:	SHEET:
P.R.G.	12/21/10	G.M.S.	12/21/10	210-4626	C15

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