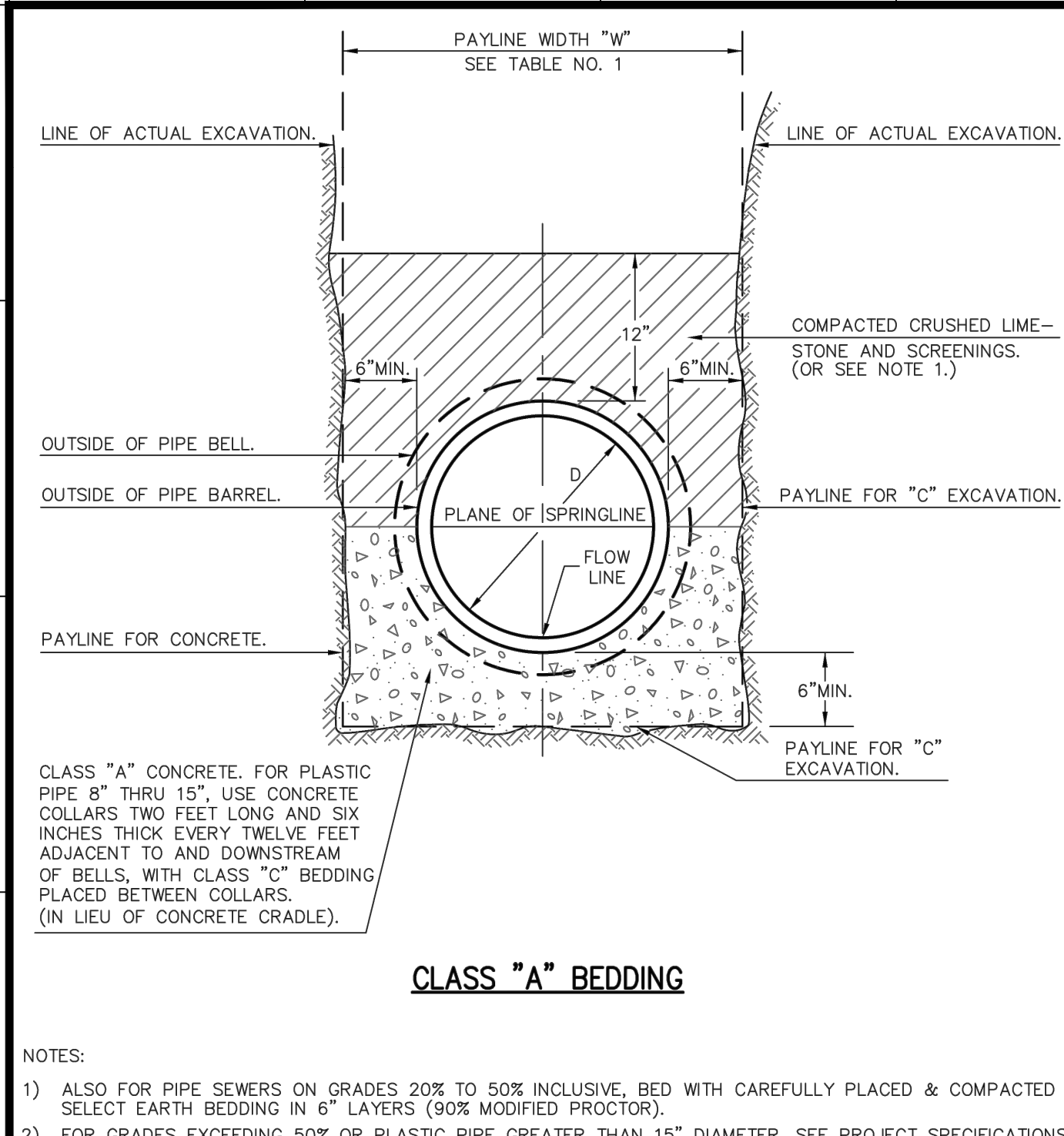
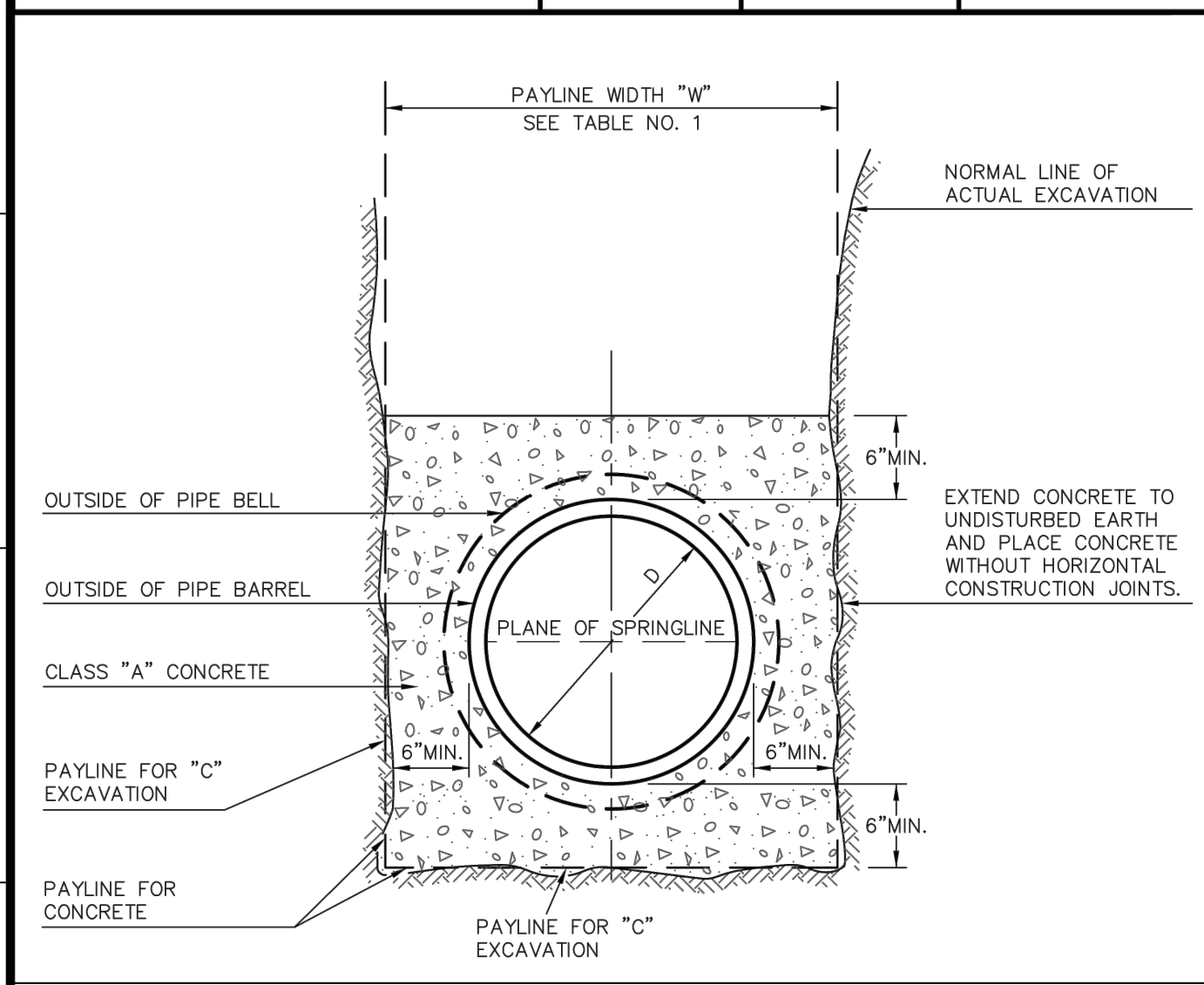


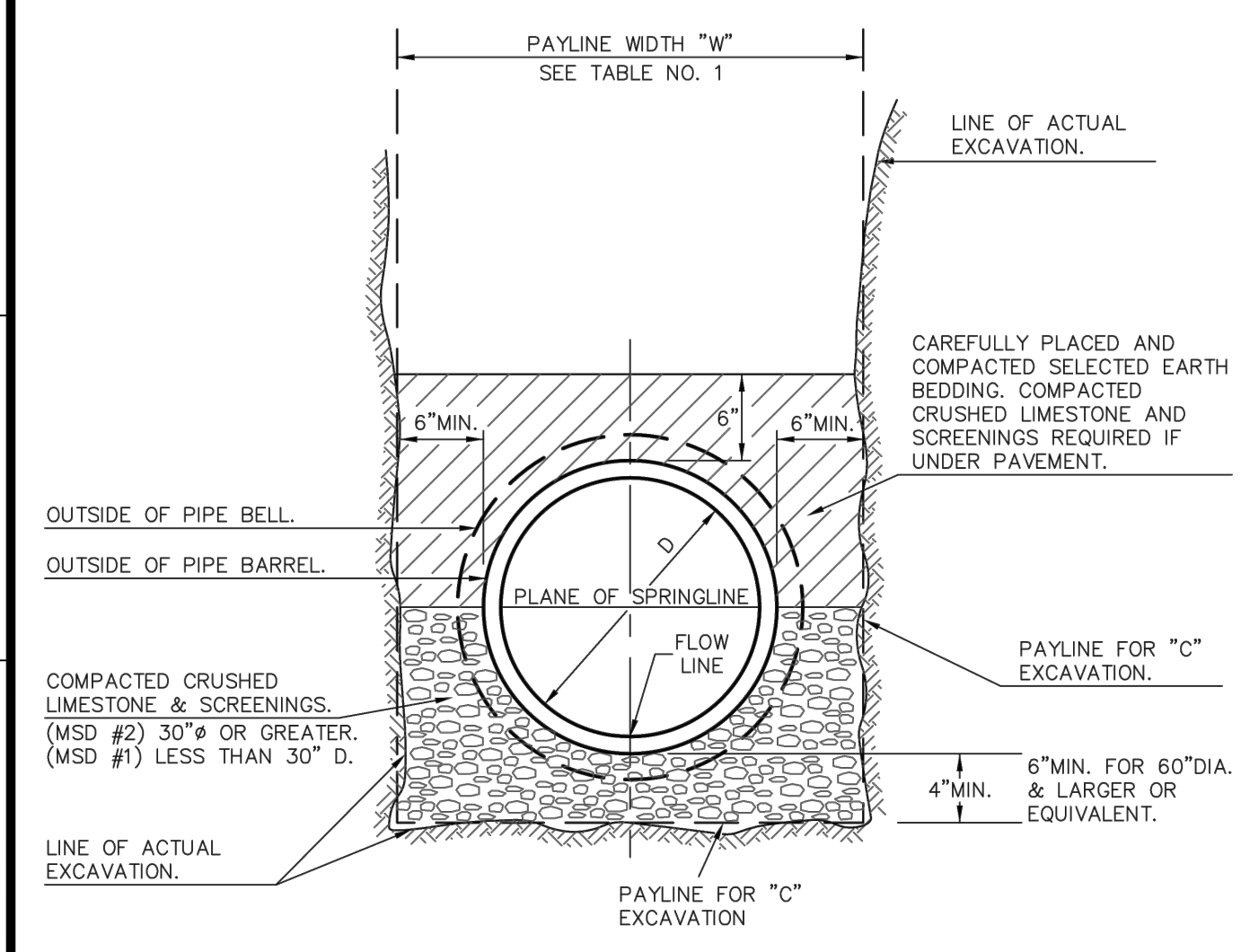
Drawing name: E:\17-6821 - 860 Acre Tract along Hwy 40, O'Fallon, MO\AutoCad Drawings\6821 - Plan Sheets\Construction Drawings\PH4 Residential Plans\39-Detail Sheet - Phase 4.dwg Plotted on: May 12, 2022 - 3:00pm Plotted by: tschow



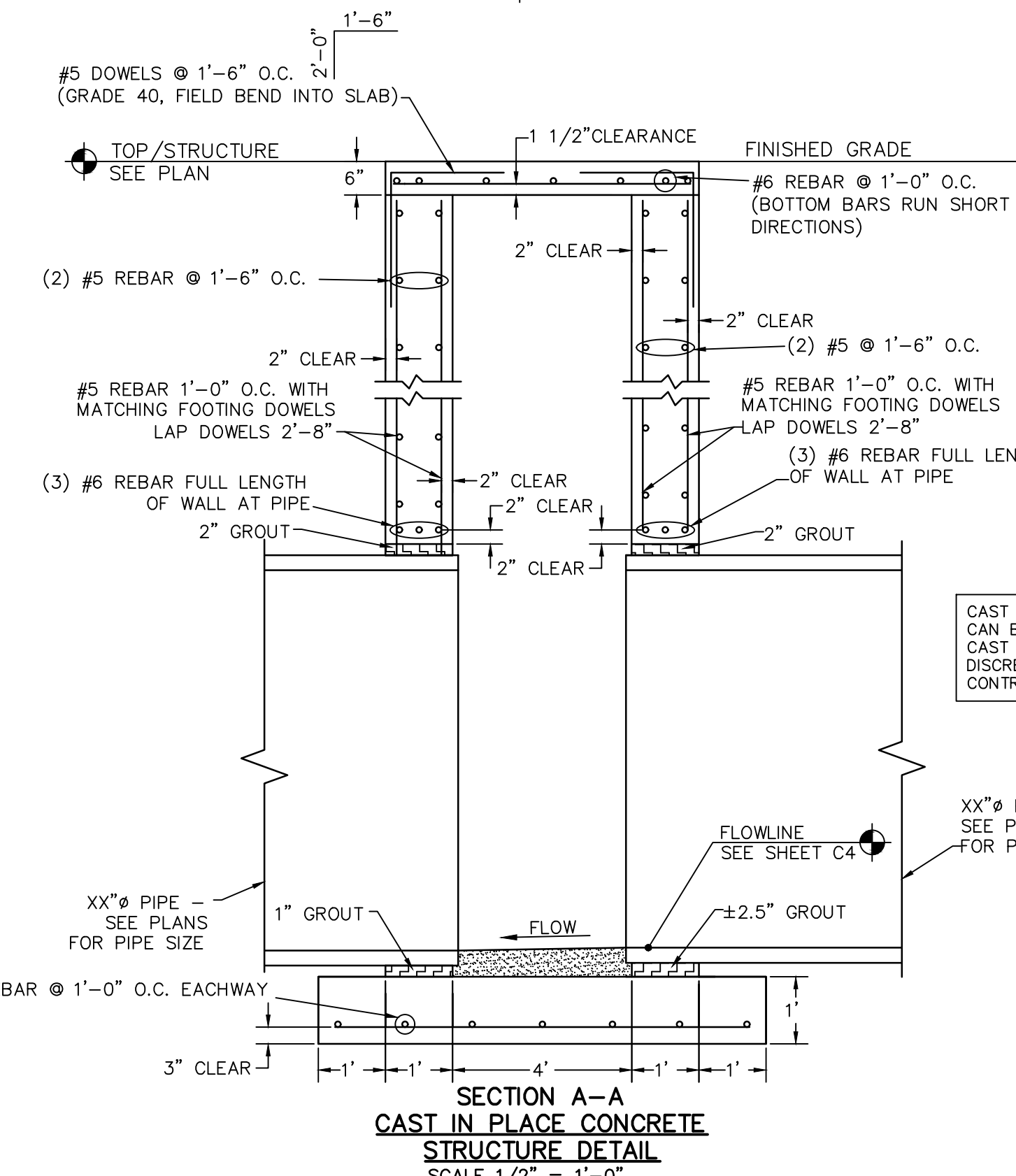
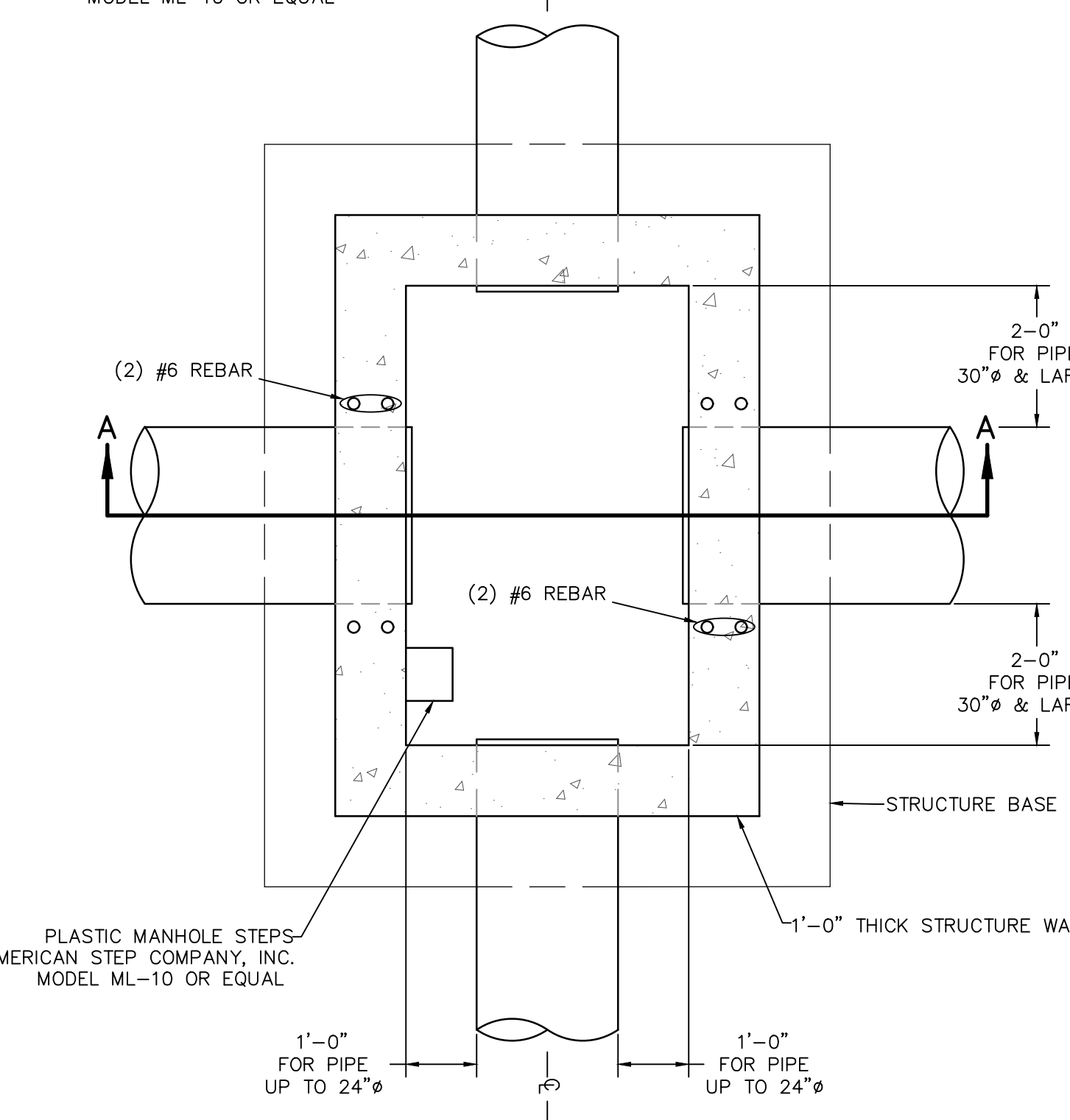
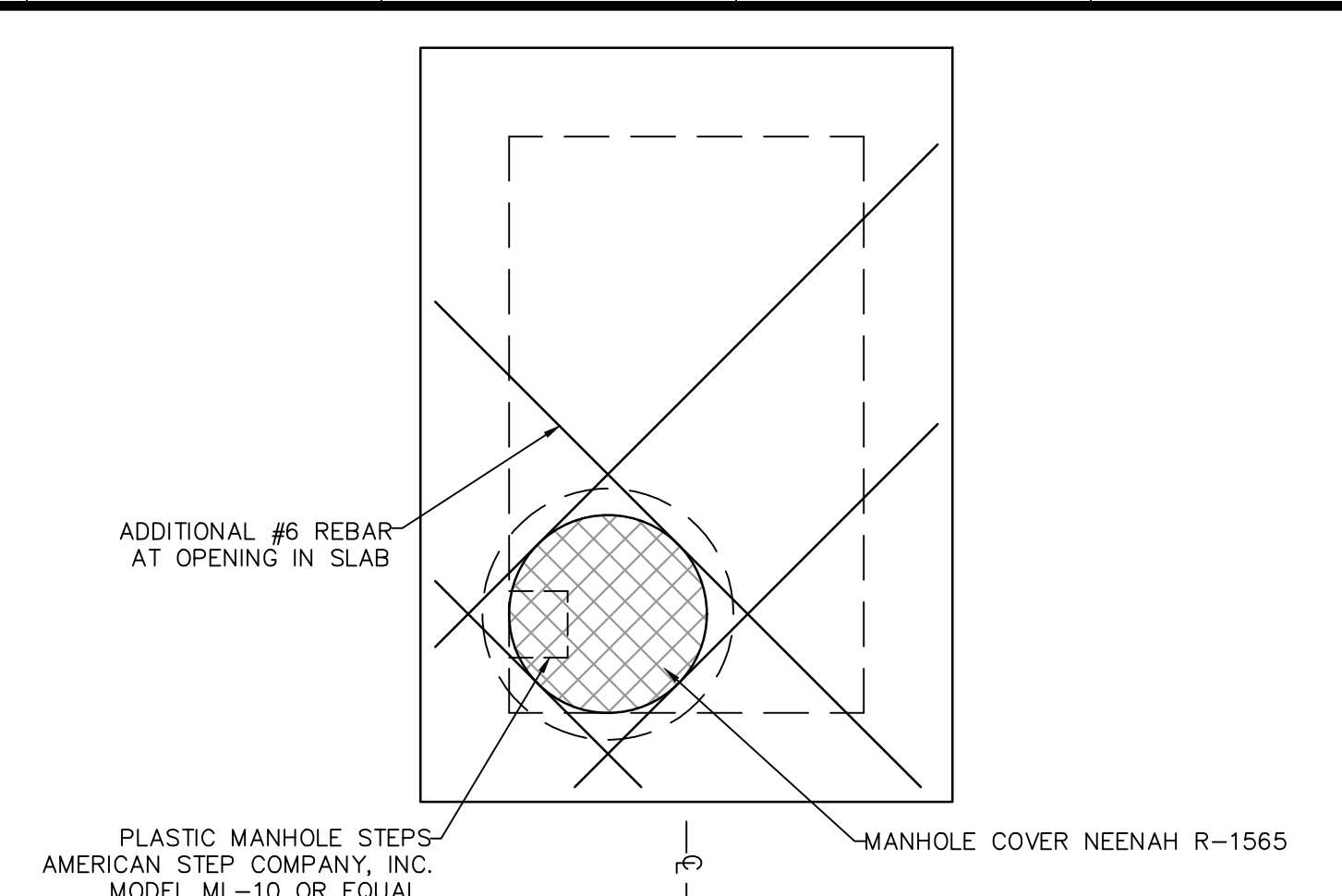
CONCRETE CRADLE			
METROPOLITAN ST. LOUIS SEWER DISTRICT <i>Standard Details of Sewer Construction</i>			
Dr. WSH/SAM Ch. J.C.K.	2009	SHEET 9	



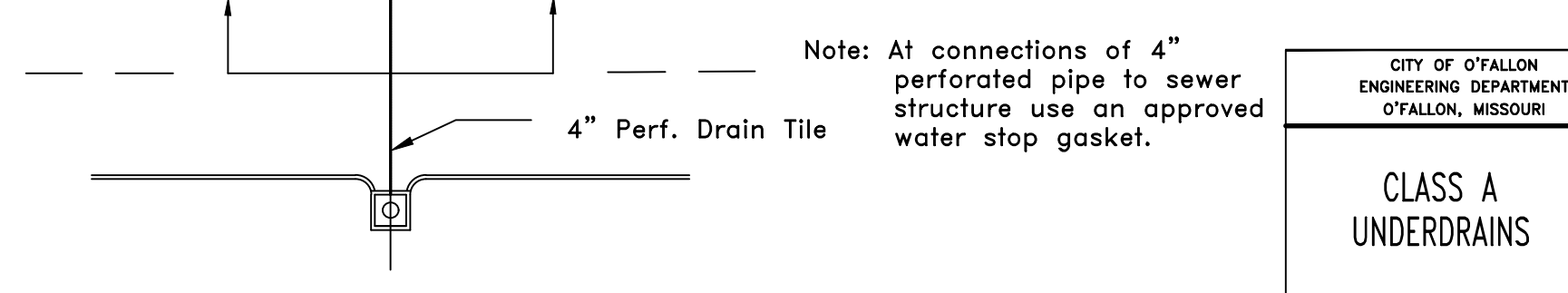
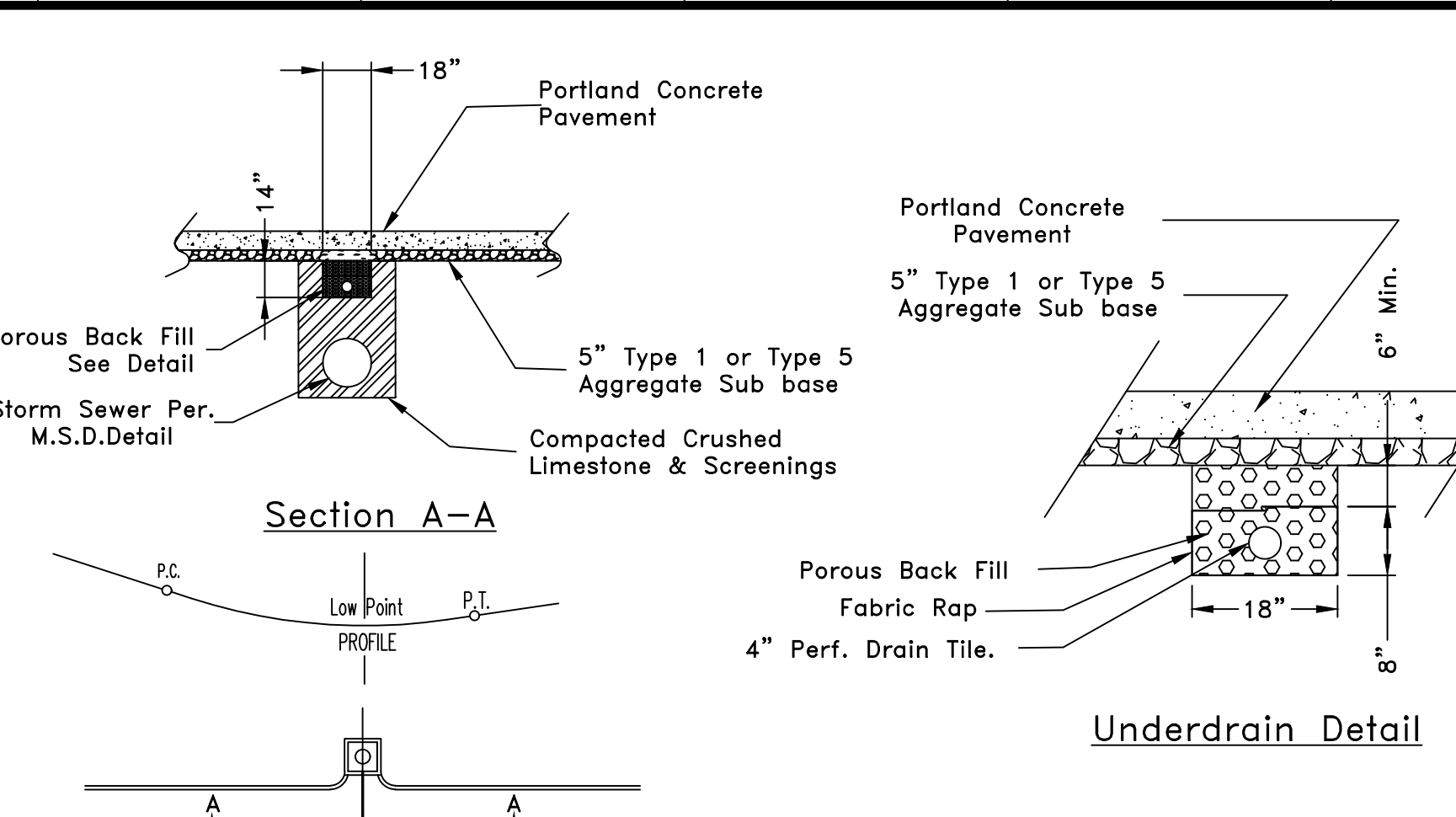
CONCRETE ENCASEMENT			
METROPOLITAN ST. LOUIS SEWER DISTRICT <i>Standard Details of Sewer Construction</i>			
Dr. W.S.H. Ch. J.C.K.	2009	SHEET 8	



PIPE BEDDING CLASS 'C' (MODIFIED FOR REINFORCED CONCRETE PIPE)			
METROPOLITAN ST. LOUIS SEWER DISTRICT <i>Standard Details of Sewer Construction</i>			
Dr. W.S.H. Ch. J.C.K.	2009	SHEET 5	



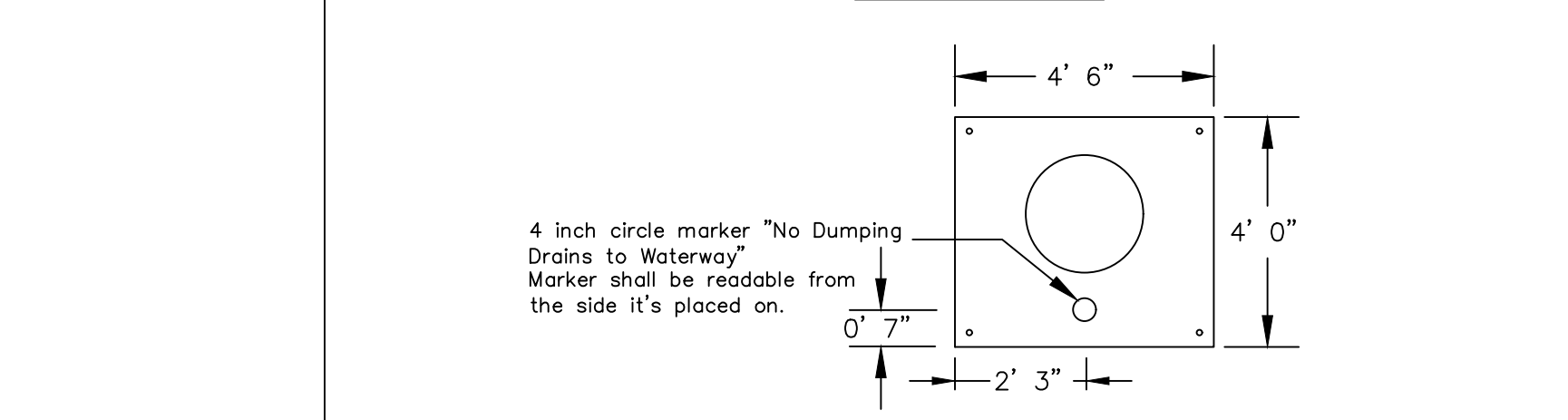
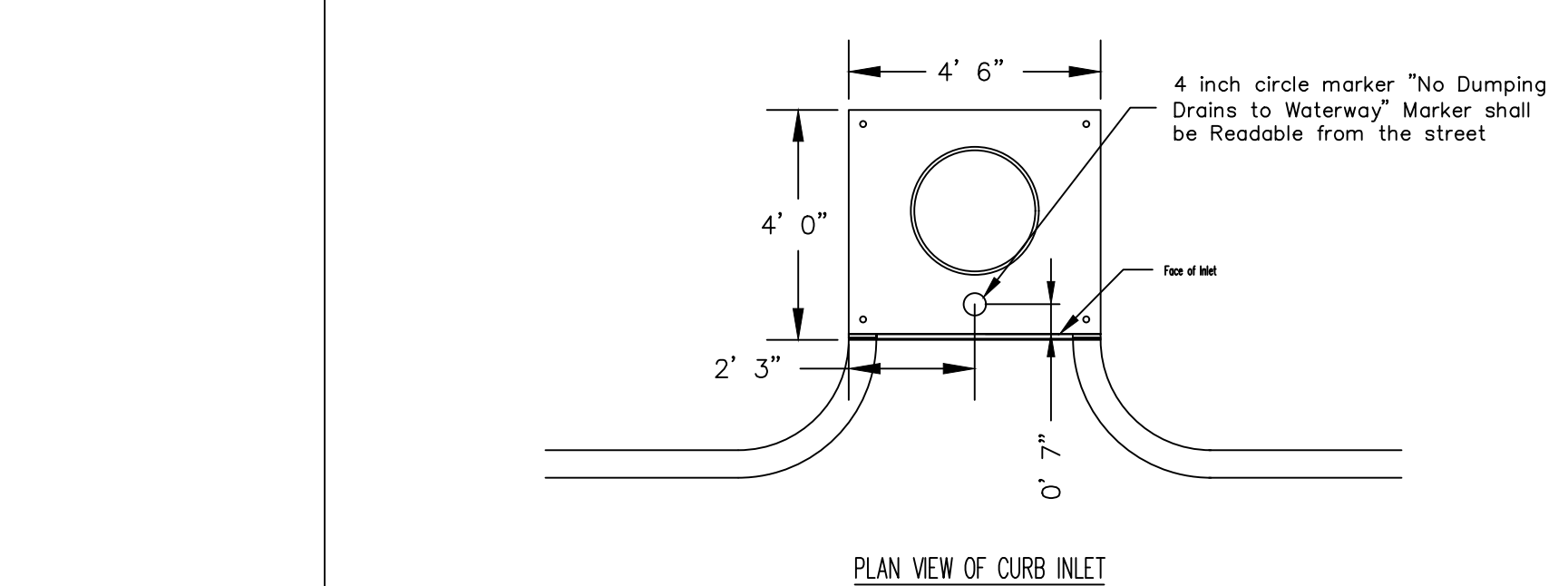
* All other Storm or Sanitary Sewer Details will be by M.S.D. Standards and Specifications.
 ** All inlets shall have 5/8" trash bar centered with the opening(s).



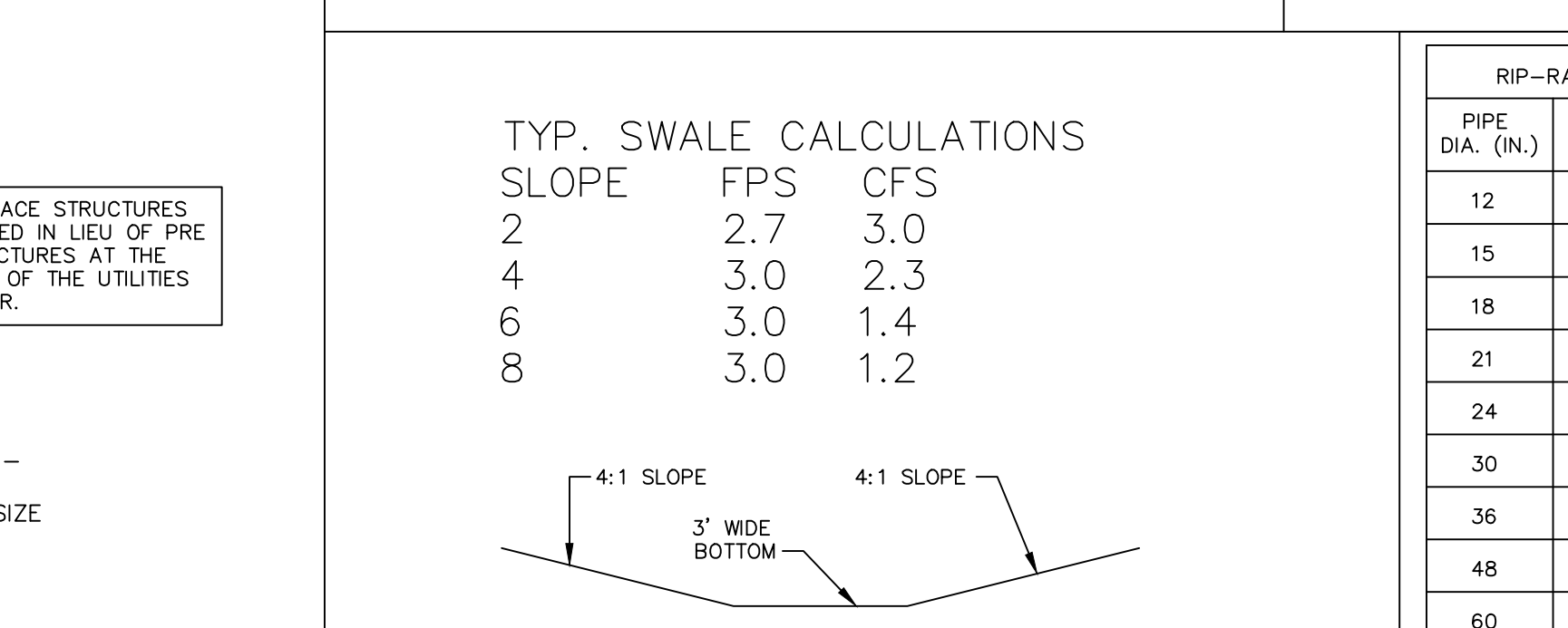
Note: At connections of 4" perforated pipe to sewer structure use an approved water stop gasket.

Size	Style	Adhesive	Message (Part #)
3 7/8" TO 4"	Crystal Cap or Standard Style	Epoxy	No Dumping Drains to Waterway

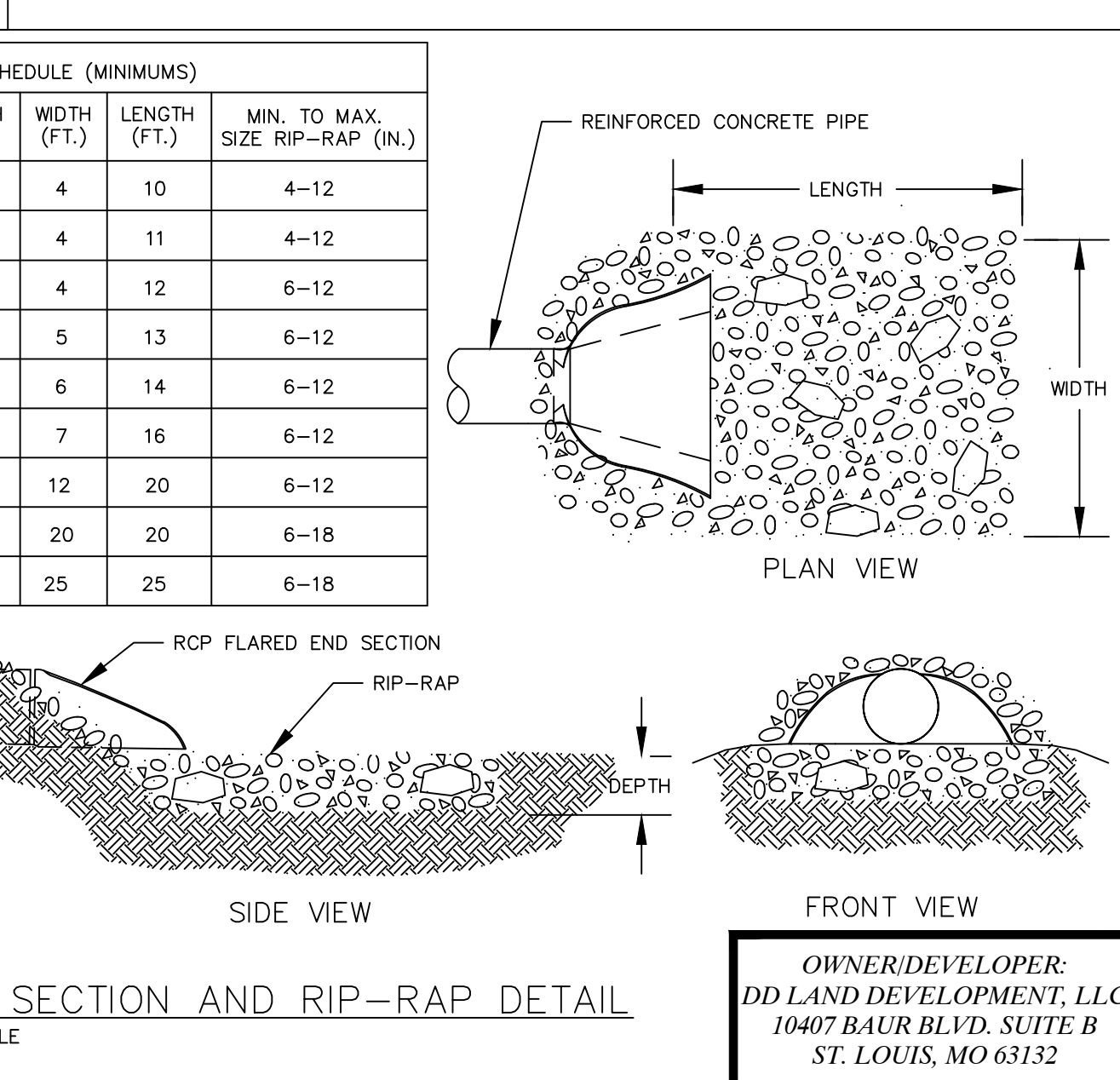
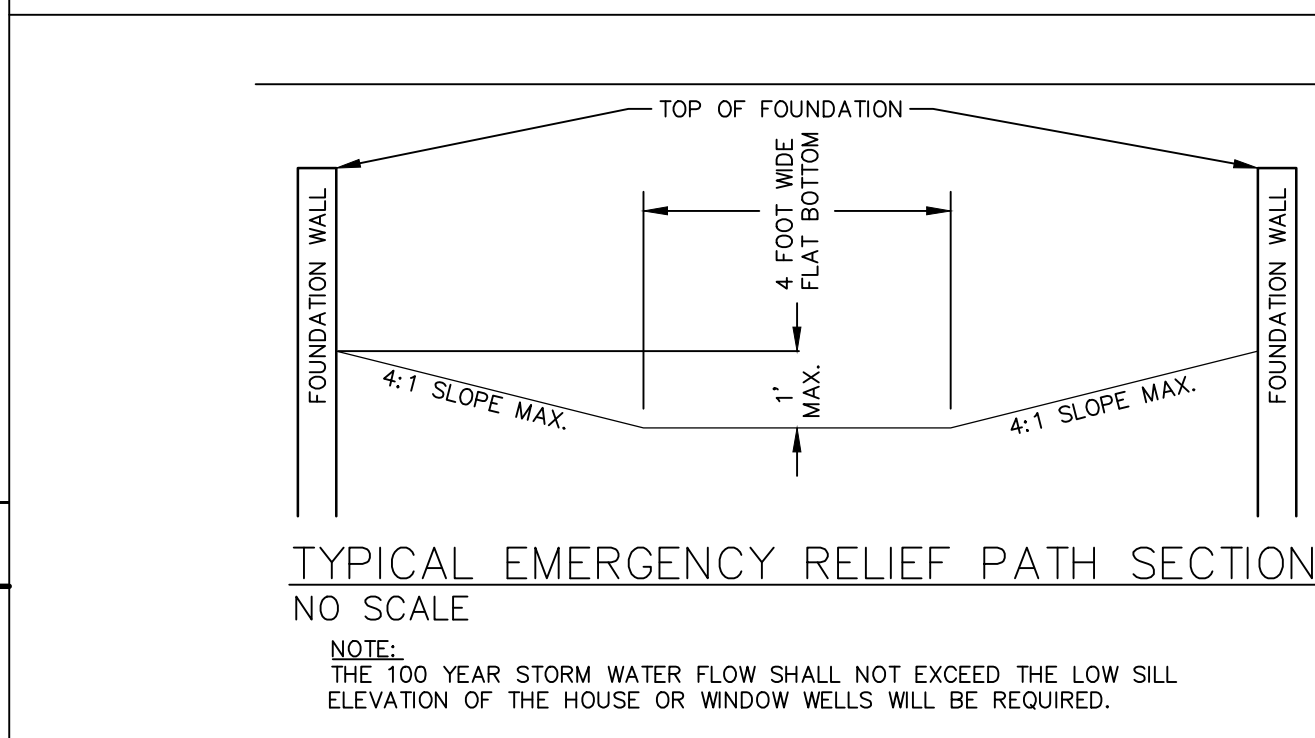
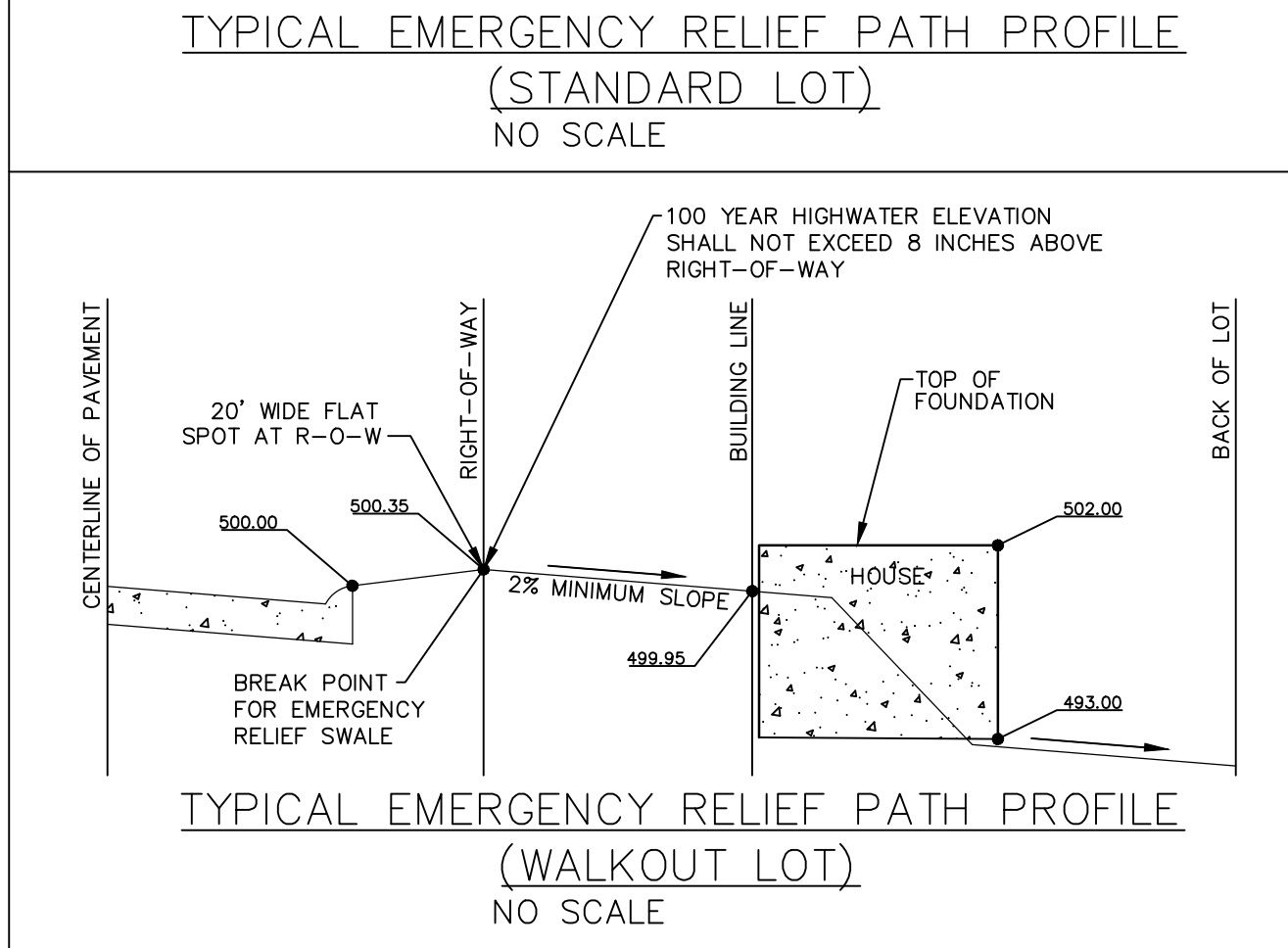
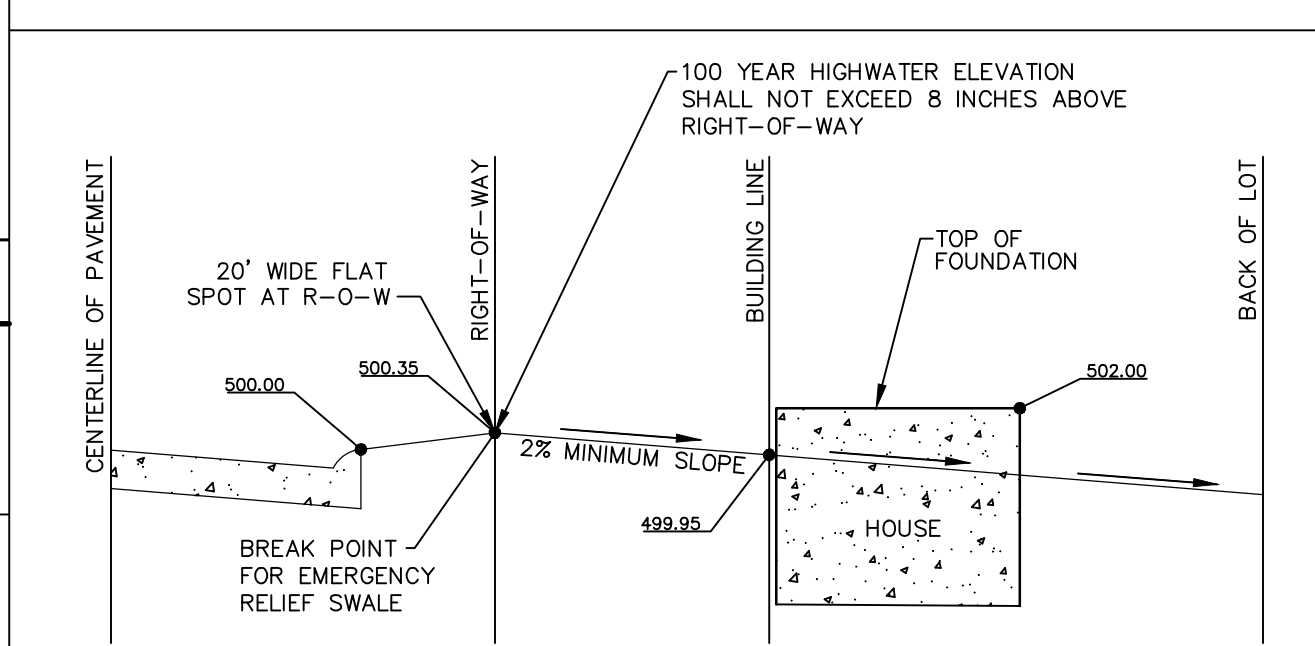
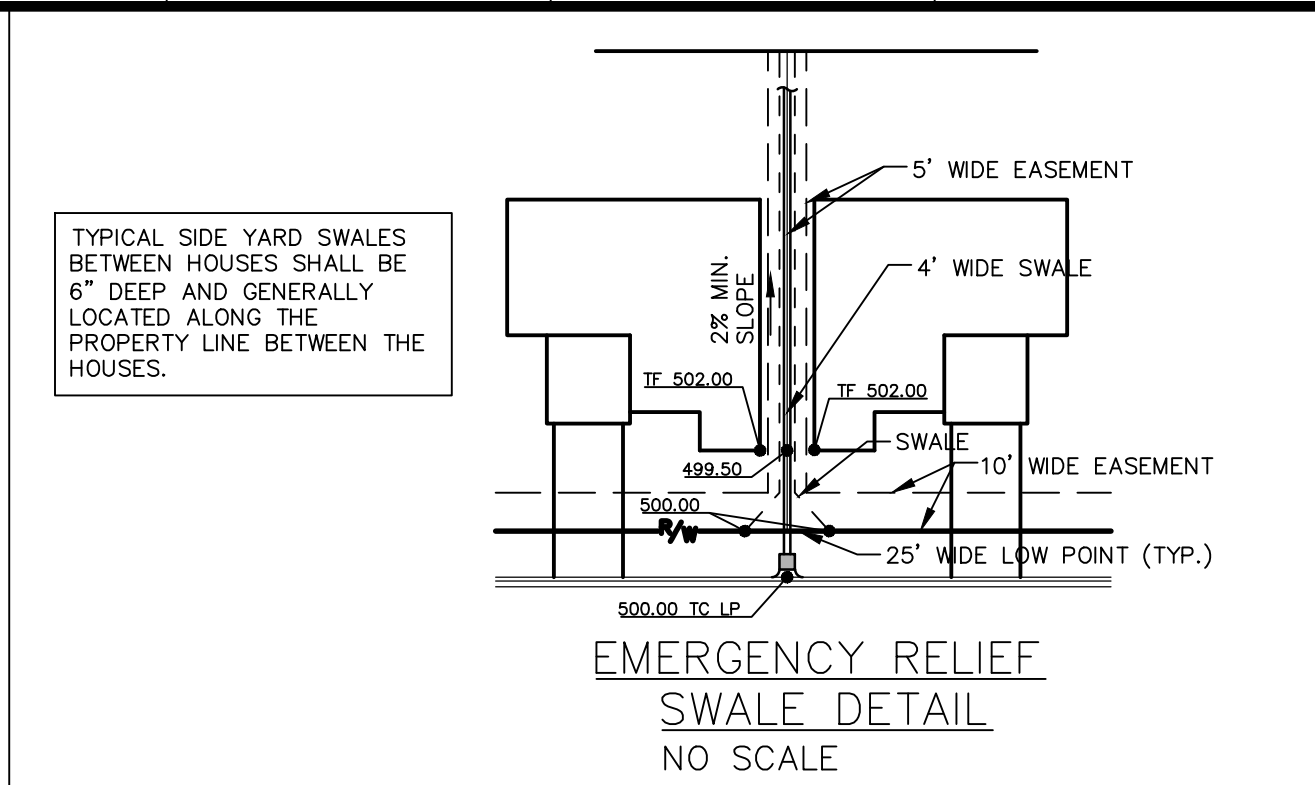
City will also allow the precast inlet stone with a similar message as an approved alternate to the marker.



Public or Private inlets	
CITY OF O'FALLON ENGINEERING DEPARTMENT O'FALLON, MISSOURI	
STORM DRAIN MARKER LOCATION	



PIPE DIA. (IN.)	DEPTH (IN.)	WIDTH (FT.)	LENGTH (FT.)	MIN. TO MAX. SIZE RIP-RAP (IN.)
12	12	4	10	4-12
15	12	4	11	4-12
18	12	4	12	6-12
21	12	5	13	6-12
24	18	6	14	6-12
30	18	7	16	6-12
36	18	12	20	6-12
48	24	20	20	6-18
60	24	25	25	6-18



636-594-0540 (tel.)
636-594-0512 (fax)
mailto:ochran@ochran.com
530A E. Independence Dr.
Union, Missouri 63084

OCHRAN
Civil Engineering
Land Surveying
Architecture
Site Development
General Consulting
Master Planning

Missouri State Certificate of Authority Numbers:
Survey : 000380
Engineering : 001655
Architecture : 2002014240
Three working days prior to the start of any excavation call 1-800-868-8878 for utility location information.
All OSHA rules & regulations shall be strictly followed (i.e. trenching, blasting, etc.)

STATE OF MISSOURI
TIMOTHY SCHOWE
Professional Engineer
NUMBER PE-2018000268
EXPIRES 12-31-27

DATE: _____
DATE: _____

DATE: JMM
DATE: ERR

DATE: MAY 09, 2022
SCALE: NO SCALE

PROJ. NO: 17-6821
DATE: _____

PROJ. NO: 17-6821
DATE: _____

PROJ. NO: 17-6821
DATE: _____

PROJ. NO: 17-6821
DATE: _____

THE STREETS OF CALEDONIA
PHASE 4 RESIDENTIAL
O'FALLON, MISSOURI

DETAIL SHEET
C14.05