

GRATON COMMUNITY SERVICES DISTRICT

Design and Construction Standards For Sanitation Facilities



Adopted by GCSD
Resolution No. 22
Dated: May 15, 2006

Graton Community Services District
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Sonoma County Water Agency

**DESIGN AND CONSTRUCTION STANDARDS
FOR SANITATION FACILITIES**

REPRINTED MARCH 2005

February 1995

Revised: April 1996

REPRINTED JANUARY 2002

**Sonoma County Water Agency
2150 West College Avenue
Santa Rosa, CA 95401
707/526-5370**

Standard Drawing 119, 120

Sampling box

Jensen Precast

Santa Rosa Cast #5K

Standard Drawing 121, 124, 127, 129, 131

Couplings for cut-in wye and caulder couplings

Fernco

Indiana Seal

Mission

Tap process

Use "Tap-Tite" process

Strap-on Wye

Cast iron saddle for 10" and larger

Geneco Sealtite E series

Romac CB sewer saddle

Standard Drawing 126

M-G Style coupling

MG Coupling Co.

Standard Drawing 127

Backflow check valve all metal construction

Jones Stephens Corp.

B01-004 or B01-014

Zurn

1090, 1091, 1095

Box Non-traffic areas: Christy

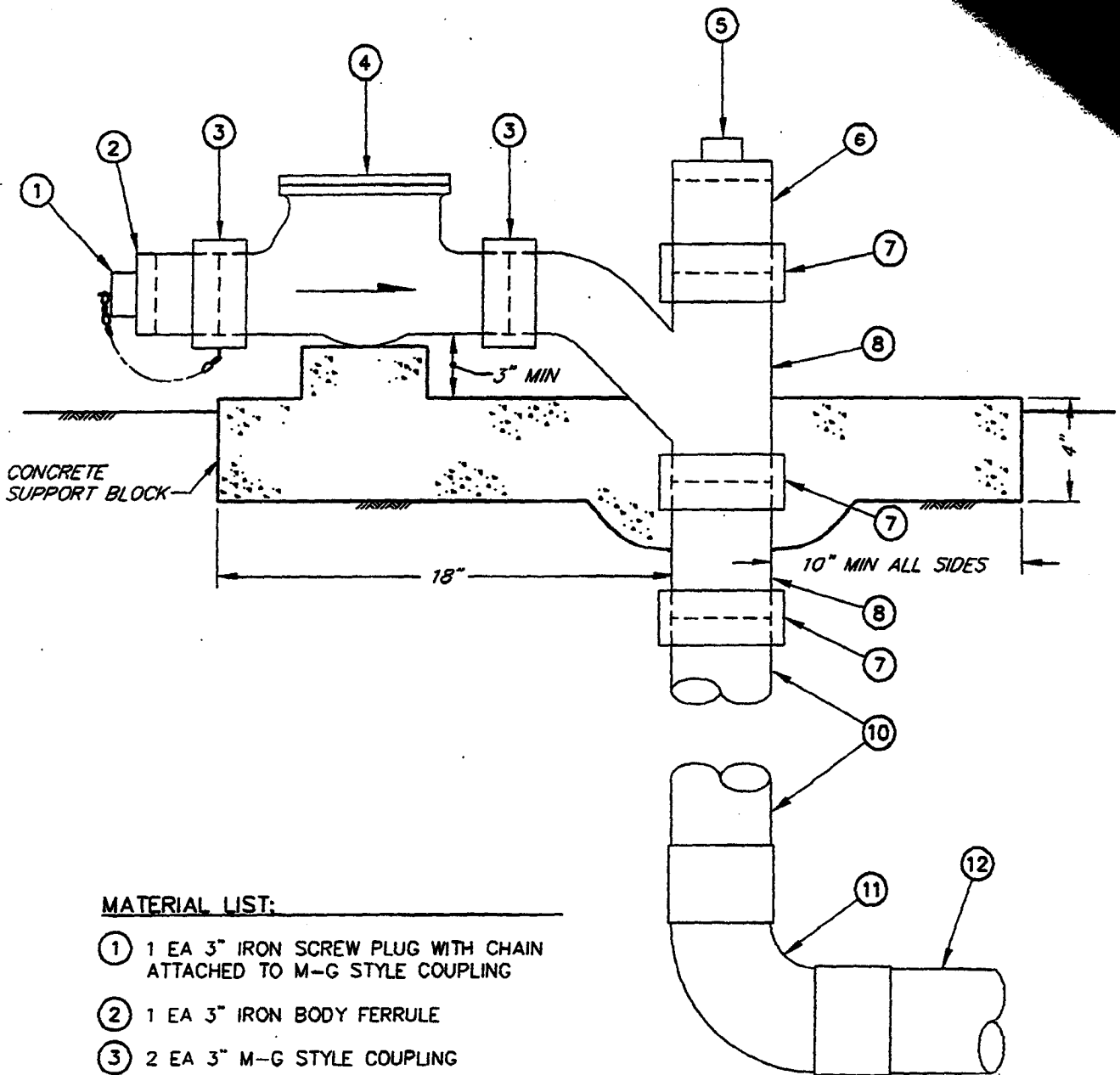
B-36

Traffic areas:

Christy

B-17"x 30"

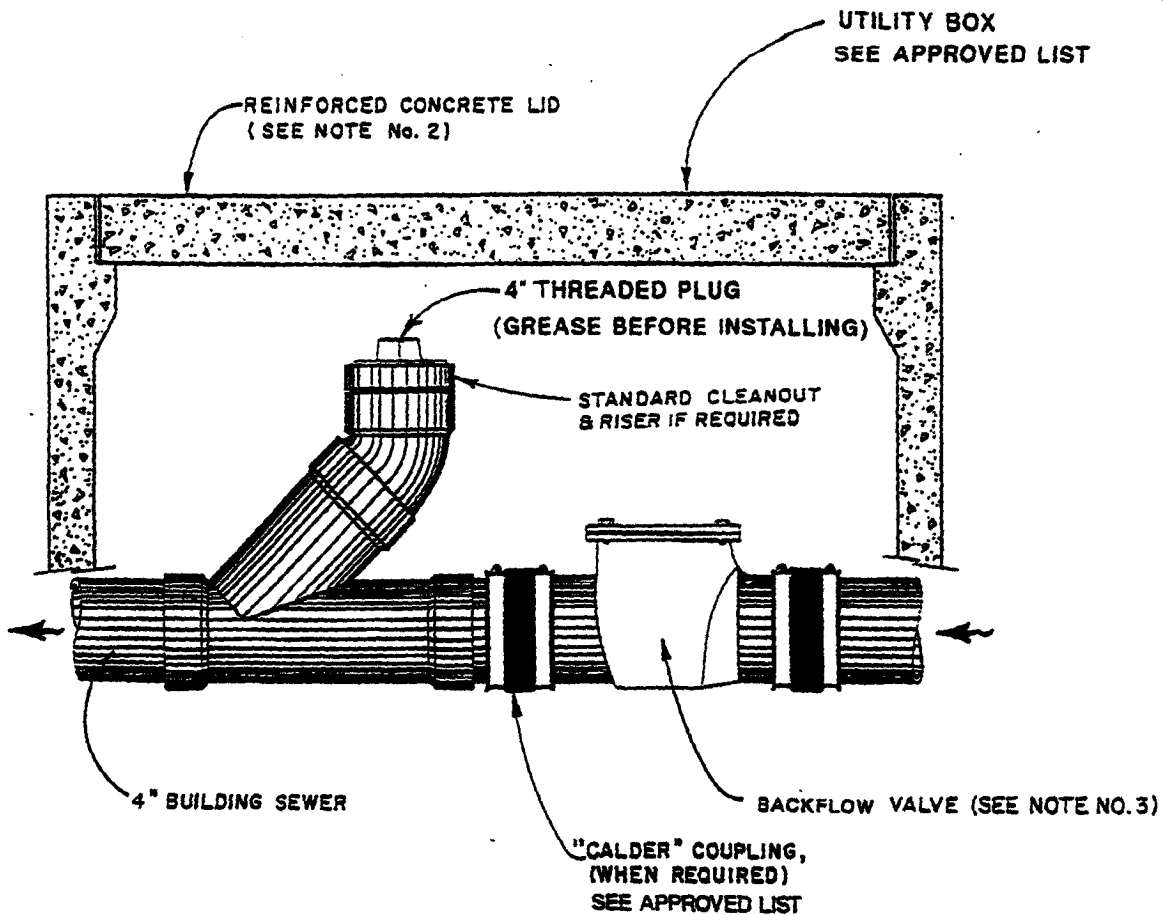
Standard Drawing 130, 132



MATERIAL LIST:

- ① 1 EA 3" IRON SCREW PLUG WITH CHAIN ATTACHED TO M-G STYLE COUPLING
- ② 1 EA 3" IRON BODY FERRULE
- ③ 2 EA 3" M-G STYLE COUPLING
- ④ 1 EA. 3" CAST IRON BACKFLOW VALVE, SEE APPROVED LIST
- ⑤ 1 EA 4" SCREW PLUG
- ⑥ 1 EA 4" IRON BODY FERRULE
- ⑦ 3 EA M-G STYLE COUPLING
- ⑧ 1 EA 4"x3" NO-HUB CAST IRON COMBO
- ⑨ 1 EA 4" NO-HUB CAST IRON NIPPLE
- ⑩ 1 EA 4" SDR 35 PVC PIPE
- ⑪ 1 EA 4" PVC 90° LONG RADIUS
- ⑫ 4" SDR 35 PVC SEWER PIPE

MOBILE HOME SEWER CONNECTION WITH BACKFLOW		
SCALE : NOT TO SCALE	APPROVED: <i>[Signature]</i>	DRAWN : C.C.
DATE : FEB. 3, 1993		CHECKED : D.G.
SONOMA COUNTY WATER AGENCY		
DESIGNED: RCE 2/23/93	SUBMITTED: RCE 2/23/93	DRAWING NUMBER
		126



NOTES:

- 1.) THIS INSTALLATION IS REQUIRED WHEREVER THE LOWEST FINISHED FLOOR ELEVATION IS TWELVE (12") INCHES OR LESS ABOVE THE RIM ELEVATION OF THE NEAREST UPSTREAM MANHOLE OR CLEANOUT. THIS INSTALLATION IS ALSO REQUIRED WHERE THE BUILDING IS LOCATED IN A FLOOD ZONE.
- 2.) IF THE LID IS SUBJECT TO VEHICULAR TRAFFIC, USE A BOX AND LID DESIGNED FOR H-20 TRAFFIC LOADINGS.
- 3.) BACKFLOW VALVE SHALL BE CONSTRUCTED OF CAST IRON OR APPROVED EQUAL. SEE APPROVED LIST.

BACKFLOW CHECK VALVE INSTALLATION DETAIL		
SCALE: NOT TO SCALE	APPROVED: <i>[Signature]</i>	DATE: FEB 9, 1995
SONOMA COUNTY WATER AGENCY		DESIGNED: JCE 25581

imaginary line projected at a right angle to such main extends to or beyond the centerline of the parcel's frontage or the centerline of the structure, whichever is farther.

SECTION 3.19 - CONDITIONS FOR APPROVAL OF STANDARD NEW SEWER SERVICE INSTALLATION:

- A. Approval of an application for a new sewer service installation will normally be granted providing that
1. The property to be served is fronting an existing District sewer main, and
 2. The structure to be served is within three hundred feet of the property line fronting the sewer main, and
 3. Adequate sewer main capacity is available to serve all portions of the property, and
 4. The property served is at such an elevation that gravity flow of wastewater discharge will occur except as permitted under Section 4.05, and
 5. Such sewer lateral installation is in compliance with all other District rules, regulations, and conditions of sewer service, and --
- B. Applicants who cannot meet conditions (1) or (2) of subsection (A) must arrange for a sewer mainline extension permit pursuant to Section 3.26 et seq.

SECTION 3.20 - APPLICATIONS AND SEWER SERVICE RUN WITH THE LAND: Each application and each sewer service approved pursuant thereto runs only with the parcel of land for which it is applied and/or approved and may not be transferred to any other parcel of land. (Note this means that ESD's are not transferable.)

SECTION 3.21 - DISTRICT LIMIT FOR NEW SEWER LATERAL INSTALLATION: No District-owned sewer lateral shall be installed on any private property, or extended beyond the curblineline of a street or easement in which a District sewer main is located.

SECTION 3.22 - USER RESPONSIBILITY FOR CONNECTION TO SEWER LATERAL: The user shall be responsible for the installation and connection of, at his own expense, his building sewer and plumbing systems inside private property. The user's building sewer and plumbing systems shall at all times remain the property of the user who shall be solely responsible for its maintenance, use, and repair. The District will not do any work or supply any materials in connection with the installation, repair, or maintenance of any part of privately owned building sewer or plumbing systems. Unless a special written agreement is made to the contrary, all facilities on the user side will be deemed to be the user's private property. The building sewer and plumbing systems inside private property shall be subject to and governed by the appropriate ordinances of the County of Sonoma or other appropriate jurisdictions.

SECTION 3.23 - USER RESPONSIBILITY FOR MAINTENANCE OF SIDE SEWER: The user shall be responsible for the cleaning and clearing of, at his own expense, the side sewer (building sewer and lateral sewer) and the plumbing systems. The user's building sewer and plumbing systems shall at all times remain the property of the user who shall be solely responsible for its maintenance, use, and repair. Replacement or repair of the lateral sewer shall be at the sole discretion of the District. A property line cleanout must be installed for the District to determine if repair or replacement of the lateral sewer is required. Installation of a property line cleanout shall be at the users expense.

SECTION 3.24 - USER RESPONSIBILITY FOR INSTALLATION AND MAINTENANCE OF

BACKFLOW PREVENTION DEVICES: Where a side sewer serves plumbing fixtures that are either (1) located less than one foot above the rim of the nearest upstream manhole or cleanout of the main sewer into which the side sewer connects, or (2) located within the 100-year flood zone, a backflow prevention device shall be installed in the building sewer in accordance with the District's Design and Construction Standards for Sanitation Facilities. The backflow prevention device shall be located on private property and shall be installed by the User. The maintenance of the backflow prevention device shall be the sole obligation of the User. The District shall be under no obligation to ascertain that the backflow device continues in operating condition. The installation of a backflow prevention device shall require a permit from and inspection by the District.

SECTION 3.25 - SEWER SERVICE FOR A SINGLE STRUCTURE: Where a single structure is to be served, the sewer lateral must proceed from the District main along such a course so as to avoid any likelihood that it will traverse a parcel of separate ownership in the event of a future re-subdivision or sale of land lying between such structure and the District main.

SECTION 3.26 - SEWER-SERVICE FOR TWO-OR MORE -STRUCTURES: Where two or more structures are to be served on land under single ownership, separate sewer laterals shall run from the District main substantially at a right angle to each such structure.

SECTION 3.27 - OWNERSHIP OF SANITATION FACILITIES: All lift stations, collector and trunk sewer mains, sewer laterals, manholes, and other facilities installed under this Ordinance shall immediately become the sole property of the District upon installation and final inspection and acceptance by the District.

SECTION 3.28 - SEWER MAINLINE EXTENSION PERMITS: Except as sewer trunk and collector mains and other facilities may be extended or installed by the District on its own initiative and partially or wholly at its own expense, extensions of mains may be obtained by developers and others upon entering into a sewer mainline extension permit prepared in accordance with the terms and conditions described by Article IV and herein.

- A. District's Discretion: The final determination whether the District will issue a sewer mainline extension permit shall be at the discretion of the General Manager. No sewer mainline extension permit shall be approved until such time as the District can determine that:
1. The District has sufficient wastewater collection, treatment, and disposal capacity to adequately service the existing sanitation system.
 2. Additional sewer connections will not create a condition detrimental to the present or future District users.
 3. The project the extension will service has received final discretionary approval from the lead agency.
 4. The sewer mainline extension agreement will not violate any District rule, regulation, or policy.
- B. Minimum Requirements Prior to Sewer Facilities Installation: No sewer mainlines, manholes, laterals, or other facilities shall be installed until such time that the roadways are completed to subgrade, unless otherwise approved by the General Manager.
- C. Additional Constrained System Requirements: Whenever the District determines that existing trunk