

Norfolk Wastewater Details

- CS 01 Shallow brick sewer manhole for depths 3 feet and less
- CS 02 Precast sewer manhole for depths 3 feet to 5 feet
- CS 03 Precast sewer manhole
- CS 04 Straddle precast sewer manhole
- CS 05 Precast sewer drop manhole
- CS 06 Drop connection for existing precast sewer manhole
- CS 07 Drop connection for existing brick sewer manhole
- CS 08 Precast concrete grease interceptor tank
- CS 09 Emergency pump connection
- CS 10 Typical wye/lateral layout and property line cleanout
- CS 11 30-inch Norfolk project manhole casting and cover
- CS 12 30-inch Federal project manhole casting and cover
- CS 13 4-inch property line cleanout
- CS 14 6-inch property line cleanout
- CS 15 Minimum allowable angles for precast manholes with PVC and DI pipe

Norfolk Water Details

- CW 01 Tap installation typical for new construction
- CW 02 Fire hydrant installation
- CW 03 Water main separation
- CW 04 5/8-inch to 1-inch water meter box and cover
- CW 05 1 1/2-inch to 2-inch water meter vault and cover
- CW 06 3-inch to 4-inch water meter vault and cover
- CW 07 6-inch to 12-inch water meter vault
- CW 08 6-inch to 12-inch dual water meter vault
- CW 09 Deduct meter vault SCADA board layout
- CW 10 SCADA board power and communications
- CW 11 SCADA board analog and discrete inputs
- CW 12 Backflow prevention assemblies layout
- CW 13 Detector check valve assembly
- CW 14 Fire protection system reduced pressure zone backflow preventer assembly
- CW 15 Domestic or irrigation reduced pressure zone backflow preventer assembly
- CW 16 Irrigation service line and meter

Norfolk Water & Sewer Details

CWS 01 Air vent / blow-off valve and box
CWS 02 Leak detector
CWS 03 Small valve box for mains up to 6 inches
CWS 04 Large valve box for mains 8 inches and larger
CWS 05 Pipe bedding
CWS 06 Pipe bedding notes
CWS 07 Backfill methods
CWS 08 Required pipe cover
CWS 09 Temporary pavement patch

HRPDC Details with Norfolk Utilities Modifications

SS 08 NM Connection into existing manhole
SS 17 NM Force main saxophone connection
SS 19 NM Manhole insert
WS 02 NM Valve setting
WS 04 01 NM Steel casing detail
WS 04 02 NM Steel casing detail (continued)

HRPDC Details Adopted by Norfolk Utilities

SS 06 Sanitary sewer manhole adjustment
SS 07 Sanitary sewer manhole invert shaping
SS 18 Force main connection to HRSD force main
WD 09 Temporary manifold for testing & chlorination
WD 13 Water sampling station

Norfolk Standard Border and Notes – Drawing Templates

G 01 Cover sheet
G 02 Index sheet
G 03 General notes sheet