PROJECT REFERENCE NO.

10/17/2017

SHEET NO.

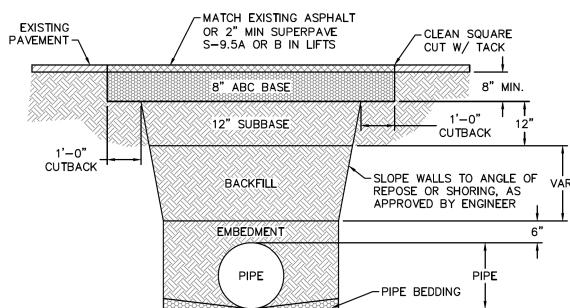
UTILITY CONSTRUCTION PLANS

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ø4" OR 6" X 16" BEND MAXIMUM LONG SWEEP _ VARIABLE SLOPE ¼" PER FT MIN. SEE DETAIL THIS SHEET FOR SERVICE CONNECTION JNDISTURBED EARTH - SHAPE TO PROVIDE UNIFORM BEARING FOR 1/4 OF BARREL CIRCUMFERENCE OR 6" SCH. 40, SOLVENT WELD MAX. SLOPE TO BE LESS THAN 1:2 WHEN NECESSARY TO SECURE BEDDING IN UNDISTURBED EARTH MIN. SLOPE 1/4' PER FT. MATERIAL TO BE SAME AS THE MAIN (C-9XX OR DIP) BEDDING, AS -BARREL SIZE TO BE CALLED FOR ON SPECIFIED -PLANS, OR AS OTHERWISE SPECIFIED

NOTE: FOR PRIVATE 8" SERVICES, MANHOLES ARE REQUIRED FOR CONNECTION TO SYSTEM AND AT THE PROPERTY LINE, WITH REQUIRED EASEMENT.

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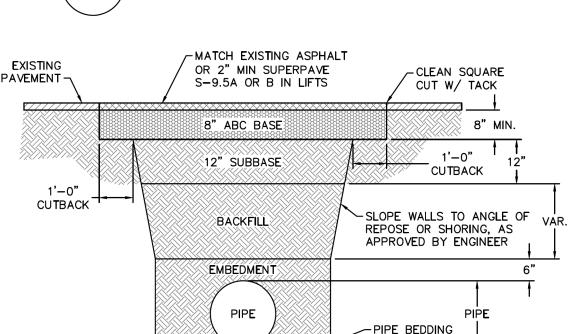
1. BACKFILL SHALL BE SUITABLE MATERIAL THAT IS FREE FROM HEAVY CLAY, GUMBOS,

- 2. SELECT BACKFILL MAY BE SUBSTITUTED OR REQUIRED BY CITY TO ACHIEVE COMPACTION,
- 4. BACKFILL AND BASE MATERIALS SHALL BE COMPACTED 12" MINIMUM LIFTS
- TAMP METHOD SHALL NOT BE USED.
- 6. ALL APPROVED CASTINGS SHALL BE SET FLUSH TO GRADE AND SUPPORTED IF
- 7. ABC BASE AND SUBBASE COMPACTED TO 98% AND BACKFILL AND EMBEDMENT
- COMPACTED TO 90% AS DETERMINED BY THE MODIFIED PROCTOR AASHTO METHOD T-99.

 8. 1-FOOT_CUTBACKS_OF_ASPHALT_SHALL_BE_PREPARED_ON_UNDISTURBED_SOIL. MINIMUM ASPHALT DENSITY IS 90%.

(FOR PRIVATE ROADS AND PAVED AREAS; CONTRACTOR TO MEET MIN. REQUIREMENTS AS DEFINED BY RIGHT-OF-WAY OWNER FOR PUBLIC ROAD REPAIRS)

PAVEMENT REPAIR WHERE PIPE INSTALLED NOT TO SCALE



- DEBRIS, ORGANICS AND LITTLE TO NO EXCESSIVE MOISTURE. (I.E. #57, ABC, CRUSHED LIMESTONE, CLEAN SAND, FLOWABLE FILL, ETC).
 3. 8-INCH OF ABC BASE MATERIAL SHALL BE USED ON CITY STREETS.
- 5. SOIL SHALL BE COMPACTED BY A MECHANIZED TAMPER (I.E JUMPING JACK), HOWEVER, VIBRATORY ROLLERS > 18" WIDTH MAY BE USED FOR LARGER EXCAVATIONS. THE PLATE



NOT TO SCALE

P OR EASEMENT LINE

- CLEAN

PIPE MATERIAL: SCH. 40,

SOLVENT WELD PVC 1120 ASTM D-1785

NOTE: FOR PRIVATE 8" SERVICES, MANHOLES ARE REQUIRED FOR CONNECTION TO SYSTEM AND AT THE PROPERTY LINE, WITH REQUIRED EASEMENT.

SERVICE CONNECTION AND CLEAN-OUT

TÝPE 1 ÖR 2

FINAL BACKFILL

TYPICAL TRENCH DETAIL

OUT BOX

-LANDSCAPE TIMBER TO

4' MIN. SHALL BE DEEPER

IF SITE CONDITIONS REQUIRE

FOR LESS THAN 4' DEEP

SPECIAL PRIOR APPROVAL

BY ENGINEERING IS REQ.'D.

VARIABLE SLOPE

-SLOPE WALLS TO

OF SOIL OR AS APPROVED BY

ENGINEER

ANGLE OF REPOSE

¼" PER FT MIN.

& GLUED CAP

FINAL GRADE

MARK CONNECTION

"C.O" SHOWN ON LID -

ADAPTER-

NOT TO SCALE

CLASS 1, 2 OR 3-

PIPE SIZE, AS

INDICATED ON

BEDDING, PER

FOUNDATION

MATERIAL

SPECIFICATIONS -

THE PLANS-

ø4" OR ø6"

COMBINATION-

THREADED PLUG W/

2" SQUARE NUT ON CAP-

GRADE -

- GENERAL NOTES:

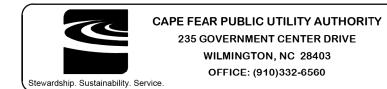
 1. NO EXCAVATED MATERIAL SHALL BE PLACED IN ANY STREAM, DITCH OR DRAINAGE—WAY.

 2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES BEFORE
- ANY CONSTRUCTION BEGINS. 3. THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY SEDIMENT AND EROSION CONTROL
- MEASURES WHILE CONSTRUCTION IS IN PROGRESS.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR STABILIZATION OF ALL DISTURBED AREAS. 5. THE CONTRACTOR IS RESPONSIBLE FOR LAY DOWN AND STOCKPILE AREAS (TO ARRANGE AND ENSURE COMPLIANCE WITH ALL LOCAL AND STATE REGULATIONS).

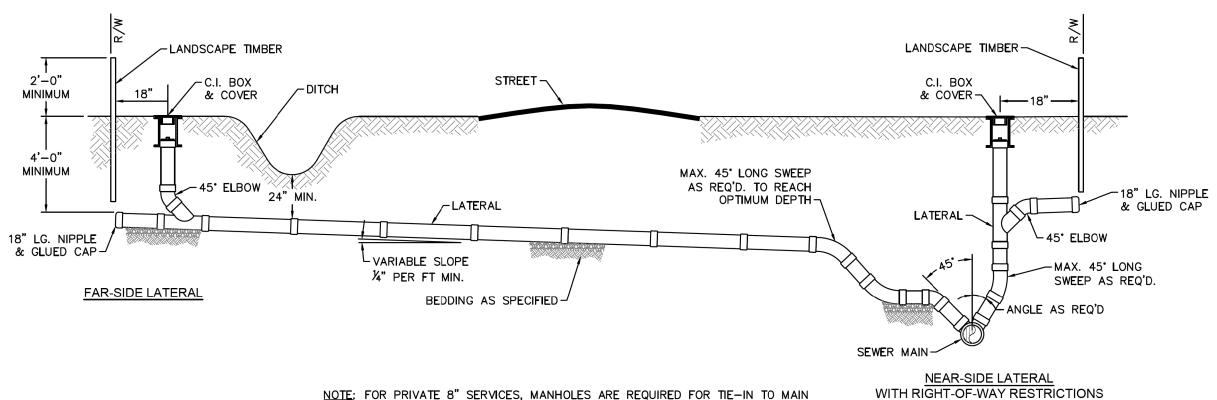
THE DETAILS SHOWN HEREON SUPERCEDE CFPUA WRITTEN TECHNICAL SPECIFICATIONS VERSIONS 1.00 - 1.04

CFPUA SANITARY SEWER

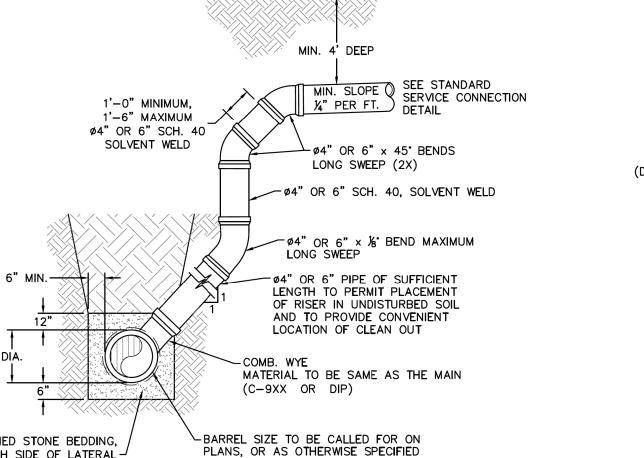
STANDARD DETAILS







NOTE: FOR PRIVATE 8" SERVICES, MANHOLES ARE REQUIRED FOR TIE-IN TO MAIN STANDARD SERVICE CONNECTION TO SANITARY SEWER NOT TO SCALE



NOTES:

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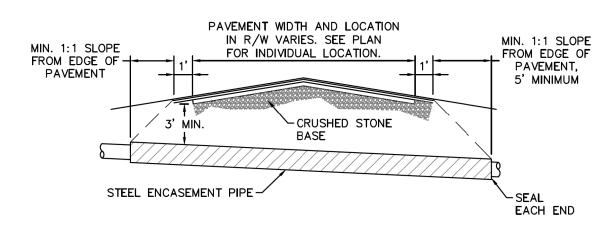
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MAIN DEPTH GREATER THAN 8 FT DEEP SERVICE LATERAL SD-12 NOT TO SCALE

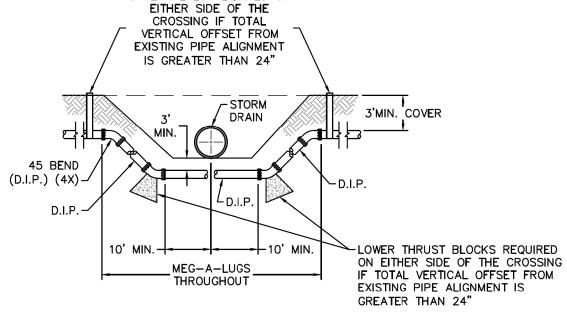
CRUSHED STONE BEDDING,

2' EACH SIDE OF LATERAL -



1. CASING WILL BE INSTALLED AT LINE AND GRADE SHOWN ON INDIVIDUAL PROFILE FOR EACH CROSSING. BORING/JACKING TO LINE AND GRADE IS REQUIRED. 2. TRACER WIRE SHALL BE CONTINUED THROUGH CASING.

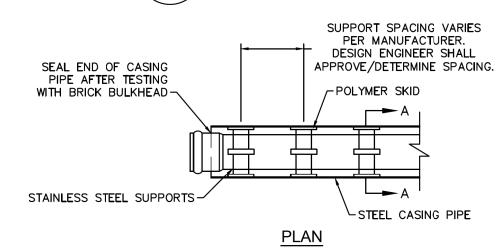
TYPICAL BORING/ JACKING DETAIL NOT TO SCALE



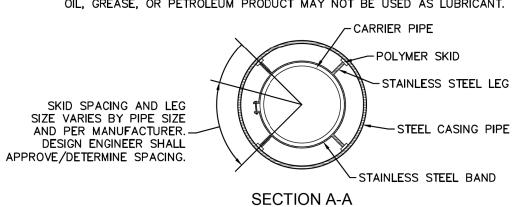
NOTE: USE D.I.P. (CL50 OR BETTER)

GATE VALVES REQUIRED ON

FORCE MAIN DITCH AND STORM DRAIN CROSSING SD-18 NOT TO SCALE



NOTE: PIPE SUPPORT TO BE PLACED TO PROVIDE PROPER SUPPORT, ALIGNMENT, AND GRADE AS SPECIFIED. CONTINUOUS SUPPORTS MAY BE USED AS ALTERNATIVE. OIL, GREASE, OR PETROLEUM PRODUCT MAY NOT BE USED AS LUBRICANT.



NOTE: ALL STAINLESS STEEL PARTS TO BE 316 SST. PIPE CASING SUPPORT DETAIL NOT TO SCALE

