

		<b>FRANKLIN BLVD. REALIGNMENT/ SOUTHERN PARKING</b> 104 Gillespie Street Fayetteville, NC 28301 Ph: 910.486.0700 Fax: 910.486.8900 www.callsignengineers.com NC Firm License No. C-3485		 <b>HAMPTON</b> DEPARTMENT OF VETERANS AFFAIRS		<b>Drawing Title</b> <b>DETAILS</b>		<b>Project Title</b> <b>CONSTRUCT AND REPAIR SURFACE ROADS AND PARKING</b>		<b>Date</b> 09/17/2014 <b>Project No.</b> 590-13-102		<b>DT-04</b> SHEET 4 OF 56			
<b>Revisions</b>		<b>Date</b>								<b>Location</b> <b>HAMPTON, VIRGINIA</b>		<b>Building No.</b> JBR		<b>Checked by:</b> <b>GAR</b>		<b>Drawn by:</b>			

# GENERAL

1. METHOD OF PIPE BEDDING SHALL BE IN ACCORDANCE WITH THE STANDARD PRACTICES SET FORTH IN THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
2. H = HEIGHT OF COVER MEASURED FROM TOP OF CULVERT TO FINISHED GRADE.
3. D = EXCAVATION DEPTH AS SHOWN ON PLANS OR TO PIPE BENCH MARK.

## CIRCULAR PIPE

1. S = OUTSIDE DIAMETER OF PIPE.
2. D = INSIDE DIAMETER OF PIPE.
3. X = WIDTH OF CLASS 1 BEDDING MATERIAL BEYOND THE EXTREMITY OF THE PIPE.
4. WHERE SPECIFIED BY THE ENGINEER BEDDING MATERIAL MAY BE ELIMINATED FOR NORMAL EARTH BEDDING. BEDDING MATERIAL SHALL BE ELIMINATED FOR ROCK OR SOFT, YIELDING, OR OTHERWISE UNSUITABLE MATERIAL.
5. BEDDING MATERIAL SHALL BE ELIMINATED FOR ROCK OR SOFT, YIELDING, OR OTHERWISE UNSUITABLE MATERIAL.
6. BEDDING MATERIAL SHALL BE ELIMINATED FOR ROCK OR SOFT, YIELDING, OR OTHERWISE UNSUITABLE MATERIAL.

## ELLIPTICAL PIPE

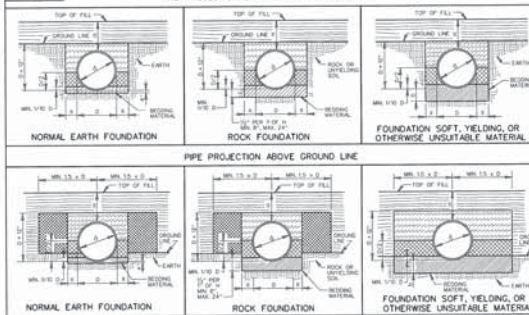
1. S<sub>1</sub> = OUTSIDE SPAN DIMENSION OF PIPE.
2. S<sub>2</sub> = INSIDE SPAN DIMENSION OF PIPE.
3. D = OUTSIDE RISE DIMENSION OF PIPE.
4. X = WIDTH OF CLASS 1 BEDDING MATERIAL BEYOND THE EXTREMITY OF THE PIPE.
5. WHERE SPECIFIED BY THE ENGINEER BEDDING MATERIAL MAY BE ELIMINATED FOR NORMAL EARTH BEDDING. BEDDING MATERIAL SHALL BE ELIMINATED FOR ROCK OR SOFT, YIELDING, OR OTHERWISE UNSUITABLE MATERIAL.
6. BEDDING MATERIAL SHALL BE ELIMINATED FOR ROCK OR SOFT, YIELDING, OR OTHERWISE UNSUITABLE MATERIAL.

## PIPE ARCH

1. S = SPAN DIMENSION OF PIPE.
2. D = RISE DIMENSION OF PIPE.
3. X = WIDTH OF CLASS 1 BEDDING MATERIAL BEYOND THE EXTREMITY OF THE PIPE.
4. WHERE SPECIFIED BY THE ENGINEER BEDDING MATERIAL MAY BE ELIMINATED FOR NORMAL EARTH BEDDING. BEDDING MATERIAL SHALL BE ELIMINATED FOR ROCK OR SOFT, YIELDING, OR OTHERWISE UNSUITABLE MATERIAL.
5. BEDDING MATERIAL SHALL BE ELIMINATED FOR ROCK OR SOFT, YIELDING, OR OTHERWISE UNSUITABLE MATERIAL.

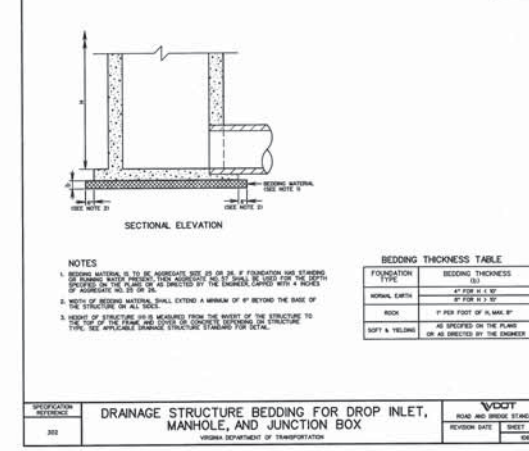
REVISION	DESCRIPTION	DATE	BY	CHKD
1	INSTALLATION OF PIPE CULVERTS & STORM SEWERS	07/02		
2	GENERAL NOTES	07/02		

# NO PROJECTION OF PIPE ABOVE GROUND LINE

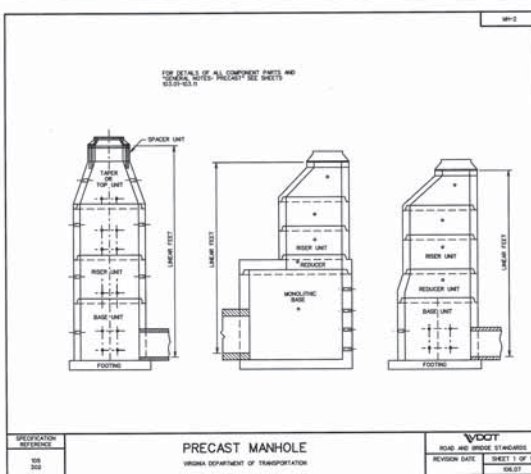


REVISION	DESCRIPTION	DATE	BY	CHKD
1	INSTALLATION OF PIPE CULVERTS & STORM SEWERS	07/02		
2	CIRC. PIPE BEDDING AND BACKFILL - METHOD "A"	07/02		

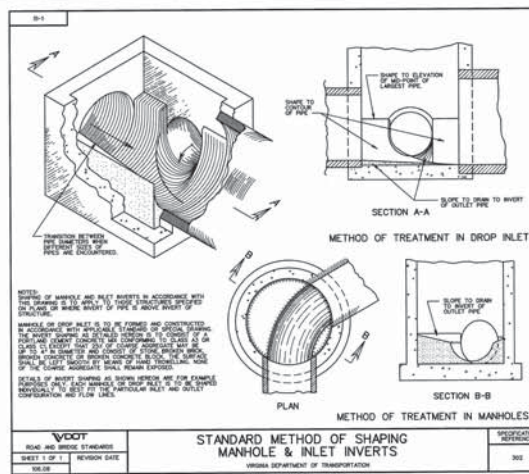
# SECTIONAL ELEVATION



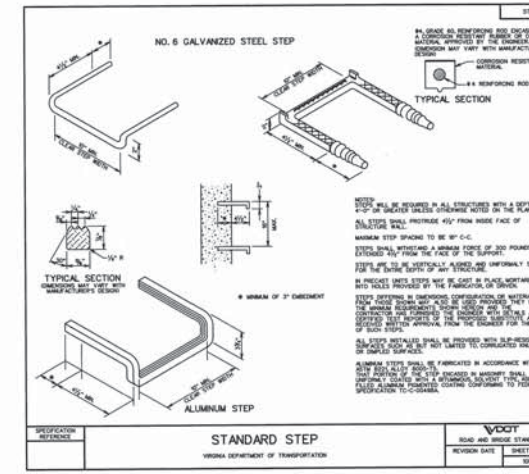
REVISION	DESCRIPTION	DATE	BY	CHKD
1	DRAINAGE STRUCTURE BEDDING FOR DROP INLET, MANHOLE, AND JUNCTION BOX	07/02		



REVISION	DESCRIPTION	DATE	BY	CHKD
1	PRECAST MANHOLE	07/02		



REVISION	DESCRIPTION	DATE	BY	CHKD
1	STANDARD METHOD OF SHAPING MANHOLE & INLET INVERTS	07/02		



REVISION	DESCRIPTION	DATE	BY	CHKD
1	STANDARD STEP	07/02		

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CONSTRUCTION DRAWINGS 2 (100%)  
ISSUED FOR CONSTRUCTION

**HAMPTON**  
DEPARTMENT OF VETERANS AFFAIRS

**Drawing Title**  
**DETAILS**

**Project Title**  
**CONSTRUCT AND REPAIR SURFACE ROADS AND PARKING**


**Date**  
09/17/2014

**Project No.**  
590-13-102

**DT-05**  
SHEET 41 OF 56






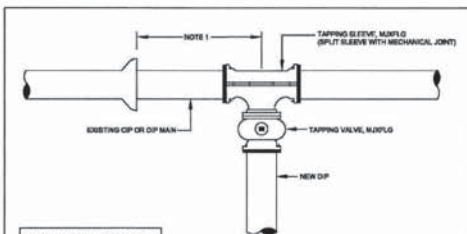
<b>Drawing Title</b> <b>DETAILS</b>	<b>Project Title</b> <b>CONSTRUCT AND REPAIR SURFACE ROADS AND PARKING</b>		<b>Date</b> 09/17/2014	 <b>Department of Veterans Affairs</b>
			<b>Project No.</b> 590-13-102	
			<b>DT-06</b>	
			SHEET 42 OF 56	
<b>Location</b> HAMPTON, VIRGINIA	<b>Building No.</b> ---	<b>Checked by:</b> GAR	<b>Drawn by:</b> JBR	



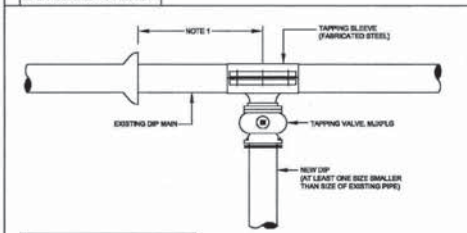
<b>Drawing Title</b> <b>DETAILS</b>	<b>Project Title</b> <b>CONSTRUCT AND REPAIR SURFACE ROADS AND PARKING</b>		<b>Date</b> 09/17/2014
			<b>Project No.</b> 590-13-102
			<b>DT-06</b> SHEET 42 OF 56
<b>Location</b> HAMPTON, VIRGINIA	<b>Building No.</b> ---	<b>Checked by:</b> GAR	<b>Drawn by:</b> JBR



Department of  
Veterans Affairs



SPLIT SLEEVE - CIP OR DIP



FABRICATED STEEL SLEEVE - DIP

NOTES:

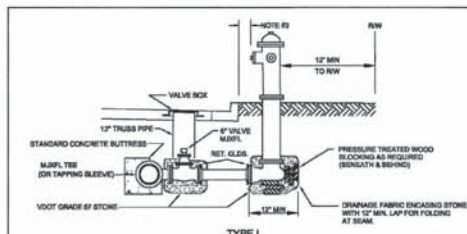
1. MINIMUM DISTANCE BETWEEN AN EXISTING JOINT OR FITTING AND THE PROPOSED TAP: EXISTING PIPE 8" OR SMALLER - 3.0' EXISTING PIPE LARGER THAN 8" - 3.5'
2. SEE FIGURE 13 (END VIEW) FOR GATE VALVE & VALVE BOX INSTALLATION DETAILS.

CITY OF NEWPORT NEWS  
DEPARTMENT OF PUBLIC UTILITIES  
NEWPORT NEWS, VIRGINIA

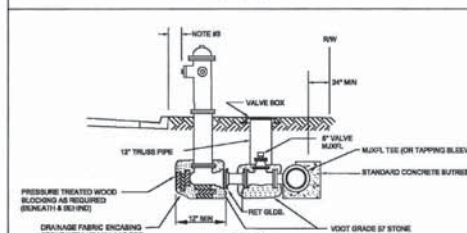
TAPPING SLEEVES  
& VALVES FOR  
4" OR LARGER PIPE

DESIGNED BY:	W. G. A.	SCALE:	AS SHOWN	DATE:	
DESIGNED BY:	R. G. B.	DESIGNED BY:	J. H. D.	DATE:	10/20/08
REVISED DATE:		PRINT FILE NO.:	15-1809	CHK. BY:	

FIGURE NO. 10



TYPE I



TYPE I-A

NOTES:

1. HYDRANT TO BE SET WITH BREAKABLE COUPLING APPROXIMATELY 1" ABOVE FINISHED GRADE.
2. PUMPER NOZZLE IS TO FACE ROADWAY UNLESS OTHERWISE NOTED.
3. PREPARED DISTANCE BETWEEN BACK-OF-CURB AND CAP ON PUMPER NOZZLE IS 30". MINIMUM DISTANCE IS 12".

CITY OF NEWPORT NEWS  
DEPARTMENT OF PUBLIC UTILITIES  
NEWPORT NEWS, VIRGINIA

TYPE I & I-A  
FIRE HYDRANT SETTING  
W/ CURB & GUTTER

DESIGNED BY:	R. G. B.	SCALE:	AS SHOWN	DATE:	
DESIGNED BY:	R. G. B.	DESIGNED BY:	J. H. D.	DATE:	10/20/08
REVISED DATE:	1/88	1/00	1/2003	CHK. BY:	F. J. S.

FIGURE NO. 21

Revisions	Date



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REALIGNMENT/  
SOUTHERN PARKING**  
CONSTRUCTION DRAWINGS 2 (100%)  
ISSUED FOR CONSTRUCTION



Drawing Title	DETAILS
Location	HAMPTON, VIRGINIA

Project Title	CONSTRUCT AND REPAIR SURFACE ROADS AND PARKING
Building No.	---
Checked by	GAR
Drawn by	JBR

Date	09/17/2014
Project No.	590-13-102
DT-07	
SHEET	43 OF 58

