



UTILITY CONSTRUCTION

* 2'-0" OR TO LIP OF GUTTER, CURB, PAVEMENT PATCH OR EDGE OF PAVEMENT WITHIN 5'-0" OF SECOND SAW CUT

NOTE:
1. FULL LANE RESURFACING AND/OR MILLING MAY BE REQUIRED
2. 3'-0" MAY BE REQUIRED AT THE DISCRETION OF THE TOWN ENGINEER OR DESIGNER.

A-A = INITIAL CUT
B-B = SECOND SAW CUT

COMPACTION REQUIRED AFTER TRENCH FILL & BASE COURSE PLACED AND COMPACTED (TYP.)

COMPACTION REQUIRED ON SUBGRADE (TYPICAL)

12" (TYP.)

2'-0"

1" SF9.5A

5" 119.0B

6" MIN. ABC

EX. BASE COURSE

EXIST. P.V.M.T.

ROADWAY

COMPACTED BACKFILL

12" NOMINAL WIDTH 12"

NOTES:
119.0B INSTALLED IN TWO LIFTS OF 2-1/2".
MATERIAL DEPTHS SHOULD EQUAL EXISTING, PLUS 1", OR MINIMUMS SHOWN (WHICH EVER IS GREATER).
FILL MATERIAL COMPACTED TO 95% STANDARD PROCTOR LIFTS NOT TO EXCEED 8".
PROVIDE TACK COAT TO ALL VERTICAL PAVEMENT SURFACES.
SECOND PAVEMENT REMOVAL LINE B-B TO BE SAW CUT ONLY.
MAY VARY BASED ON FIELD CONDITIONS AT DISCRETION OF FIELD INSPECTOR.

1 OF 2
DATE: 3/1/14

CITY OF REIDSVILLE

STANDARD PAVEMENT REPAIR FOR PIPE/UTILITY PLACED UNDER EXISTING PAVEMENT (ROADWAY)	STD. NO.	REV.
	107	

CONCRETE THRUST BLOCKS

BEND PLAN VIEW

SECTION FOR ALL FITTINGS

HYDRANT BASE (SECTION VIEW)

PLUG (PLAN VIEW)

TEE (PLAN VIEW)

FITTING	MINIMUM "A" DIMENSION (FEET)											
	PIPE SIZE (INCHES)											
	6	8	10	12	14	16	18	20	24	30	36	
90° BEND	2.2	2.9	3.6	4.3	5.0	5.6	6.3	7.0	8.4	10.5	12.5	
45° BEND	1.6	2.1	2.6	3.1	3.7	4.2	4.7	5.2	6.2	7.7	9.2	
22.5° BEND	1.2	1.5	1.9	2.3	2.6	3.0	3.4	3.7	4.5	5.5	6.6	
11.25° BEND	0.8	1.1	1.4	1.6	1.9	2.1	2.4	2.6	3.2	3.9	4.7	
VALVE/TEE/PLUG	1.8	2.4	3.0	3.6	4.2	4.8	5.3	5.9	7.1	8.8	10.5	

NOTE: ABOVE DIMENSIONS BASED ON THE FOLLOWING: 200 PSI WATER PRESSURE AND 2000 LB/SQFT SOIL BEARING CAPACITY (SOFT CLAY)

DATE: 3/1/14

CITY OF REIDSVILLE

STANDARD REACTION BEARING AREAS FOR HORIZONTAL WATER PIPE BENDS	STD. NO.	REV.
	106	

STREET

HOUSE

EXIST. P.V.M.T.

12"

2" SF9.5A ASPHALT

12"

TIE TO EXIST.

6" ABC

COMPACTION REQUIRED ON SUBGRADE

COMPACTION REQUIRED ON SUBGRADE

REMOVE & REPLACE EX. ASPHALT TO STREET W/ 1.5" OF SF9.5A ASPHALT

COMPACTED BACKFILL - LIFTS NOT TO EXCEED 8"

12" NOMINAL WIDTH 12"

ASPHALT DRIVEWAYS

2 OF 2
DATE: 3/1/14

CITY OF REIDSVILLE

STANDARD PAVEMENT REPAIR FOR PIPE/UTILITY PLACED UNDER EXISTING PAVEMENT (ASPHALT DRIVEWAYS)	STD. NO.	REV.
	107	