

NOT TO SCALE

HINDE ENGINEERING
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 UNLESS ALL SIGNATURES COMPLETED**

WATER AND SEWER PLANS

PROJECT REFERENCE NO. U-5839	SHEET NO. UC-3D
DESIGNED BY: JKC	
DRAWN BY: ASW	
CHECKED BY: CLS	
APPROVED BY: CDB	
REVISED:	
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UTILITY CONSTRUCTION PLANS ONLY	

PROJECT TYPICAL DETAILS

UTILITY CONSTRUCTION

DETAIL A

COUNTERSUNK BRASS PLUG
 IRON BODY CLEANOUT
 DOUBLE HUB WITH RUBBER GASKET (2)
 TO C.I.P./D.I.P.

CAST IRON CLEANOUT RECESSED PLUG & CAP (SEE DETAIL A)

FINISHED GRADE
 CONNECT USING NECESSARY FITTINGS

UTILITY STRIP
 2.5'

PAVEMENT
 CURB AND GUTTER

3' MIN.

4" / 6" CAST IRON SOIL PIPE OR DI PIPE

EXIST. SEWER SERVICE

PLUG

COMBINATION WYE & EIGHTH BEND

BARREL OF PIPE TO REST ON UNDISTURBED SOIL

1/8" C.I. SOIL PIPE BEND
 45° WYE
 MAX. 45° SLOPE
 MIN. 1/4" / FT SLOPE

SEWER MAIN (VCP OR DIP)

LONG TURN SWEEP
 COMBINATION WYE & EIGHTH BEND

SIZE (IN)	A (IN)	B (IN)	C (IN)	WEIGHT (LBS)
4 X 4	9	12 1/16	12	20
6 X 4	10	12	12	25
6 X 6	12 7/8	16 1/16	15	35

- ALL SERVICE LATERALS SHALL BE CAST IRON SOIL PIPE. USE DI PIPE IF THERE IS LESS THAN 1 FOOT OF CLEARANCE BETWEEN THE STORM DRAINAGE AND SEWER LATERAL, LESS THAN 3 FEET OF COVER OR NOTED ON PLANS.
- PLACE CLEANOUT 1' INSIDE NCDOT R/W.
- NO ADDITIONAL BENDS WILL BE ALLOWED ALONG THE SEWER SERVICE WITHOUT THE APPROVAL FROM THE TOWN OF WAYNESVILLE.

SANITARY SEWER SERVICE

(3) HEX HEAD 3/8"-16
 ZINC PLATED BOLT WITH ZINC WASHER & ZINC COATED STAINLESS STEEL NUT

2-1" VENT HOLES

SPECIFICATIONS:

- GRAY IRON.
- COMPLIES WITH ASTM A48 CL35B.
- ALL LETTERING SHALL BE CLEAN, CRISP, AND CLEARLY LEGIBLE.
- DOMESTICALLY MADE AND MANUFACTURED IN THE USA.
- SHALL BE TRAFFIC BEARING
- VENT HOLES

1 1/2" RAISED LETTERING (RECESSED FLUSH)

(4) 1" DIA. HANDLING HOLES ON A 29 3/4" DIA. B.C.

COVER TOP VIEW

COVER SECTION B-B

FRAME SECTION B-B

CAST-IN GROOVE FOR 1/4" DIAMETER NEOPRENE GASKET

5"

25 3/8"

25 1/4"

32"

FRAME SECTION A-A

COVER SECTION A-A

27"

3/4"

5 5/16"

11 5/8"

2 3/16"

FOR ALL OTHER MANHOLE FRAMES AND COVERS SEE NCDOT ROADWAY STANDARD DRAWING

STANDARD MANHOLE RING AND COVER (ONLY IN SIDEWALK OR PAVED AREAS)