

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

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MATTERN & CRAIG, INC Roanoke, Virginia UTILITY ENGINEER	



Private
Habitat for Fire Hydrant
Barn Buildings

CONNECT TO EXIST
12" WATER MAIN

9.45 L.F. SANITARY SEWER MANHOLE A
MANHOLE FRAME & COVER F & C-1
RIM.= 909.74 INV.= 900.29

108 L.F. 8" DI SANITARY
SEWER PIPE
SEE PROFILE SHEET 10(7)

Curve 4 hydrant
 $\Delta = 308.1154$
 $\Delta = 16.2213$
 $\Delta = 16.2213$
 $\Delta = 262.10$
 $\Delta = 350.00$
 $\Delta = 301.7400$

270 L.F.
 SEE PRO

10.10 L.F. SA
 MANHOLE FRAME
 RIM. = 908.45

Found SS M.H.
 needs raised

270 L.F. 12" DI WATER MAIN
SEE PROFILE SHEET 10(7)

10.10 L.F. SANITARY SEWER MAN
MANHOLE FRAME & COVER F & C-1
RIM.= 908.45 INV.= 898.35

CONNECT TO EXIST
8" WATER MAIN

~~4" SEWER CLEANOUTS~~

CONNECT TO EXIST. —
4" SAN. SEWER LATERAL

4" SEWER CLEANOUT

Curve C9
PI = 306.36.77
DELTA = 8° 43' 41.88" (LT)
D = 2' 56' 18"
T = 148.82'
L = 297.06'
R = 1950.00'
PC = 30+87.96
PT = 307+85.02
E = NC
V = 30 MPH
SUPER TRANSITION LENGTH = 55' (RT)
SUPER TRANSITION LENGTH = 165' (LT)

— Very shallow
Nutm off to side to
make room

204 L.F. 6" SANITARY
SERVICE LATERAL CONNECTION

ABANDON WATER SERVICE
CONNECTION TO CORP.
STOP ON WATER MAIN
STA. 307+00.00
END RW20I BEN
STA. 307+23.83

Note : Figures In double brackets and dot - dashed lines denote Utility Easements.

Note : Figures in brackets and dot
denote Permanent Easements.

Note : Figures in parenthesis and dot-dot-dashed lines denote Temporary Easements.

 Denotes Construction Limits In Cuts

$\boxed{\vec{F}}$ Denotes Construction Limits in Fills

----- Denotes Temporary Easement

----- Denotes Permanent Easement

 Denotes Demolition of Pavement

 Denotes Proposed Pavement

 Denotes Mill & Overlay Pavement

 Remove Exist. Inlet/Manhole

2 *Remove Exist. Pipe*

3 *Abandon Exist. Pipe*

4 *Remove Exist. End Section*

REFERENCES
(PROFILES, DETAIL & DRAINAGE
DESCRIPTION SHEETS, ETC.)

BENNINGTON ST. PROFILE	5A
ENTRANCE PROFILES	6,6A
ENTRANCE ALIGN DATA	6B
UTILITY OWNERS	3
DRAINAGE DESCRIPTIONS	4B
DITCH DETAIL	4B
E & S PLANS	1L(3), 1L(7), 1L(11)

PROJECT U000-128-132	SHEET NO 10(5)
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