MATCHLINE C-03
MATCHLINE C-04

ex. trailer typ.
ex. up. typ.
ex. lp. typ.
ex. trailer typ.
existing parking area
existing drive aisle
existing drive aisle

WATERLINE BEND TYP.
FIRE HYDRANT ASSEM. W/6" G.V. WVWA ST'D (W-17) (APPROX. PROPOSED FLOWS) static 68psi residual 21psi 1,600gpm at 21psi
20' PUBLIC W.L. EASEMENT
BEDDING & BACKFILL SHALL BE IN ACCORDANCE WITH W.V.W.A. STD'S
TOTAL LIMITS OF DISTURBANCE & CONSTRUCTION 0.82 AC.
** EXCAVATED MATERIAL ** SHALL BE PLACED ON THE UPHILL SIDE OF THE WATERLINE TRENCH
ALL WATERLINE IMPROVEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH W.V.W.A. STD'S.
ALL WATERLINE IMPROVEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH W.V.W.A. STD'S.
PROPOSED PUBLIC 12" PVC W.L.
SAW CUT ASPHALT FOR PAVEMENT PATCH (PVMT. SECTION SHALL MATCH EXISTING)
G.C. SHALL FURNISH & INSTALL A 12"x4" REDUCER FOR THE CONNECTION TO THE EXIST. 4" WATERLINE. COORDINATE CONNECTION WITH W.V.W.A.
exist. gate
approx. location of exist. 4" waterline
AIR RELEASE VALVE TYP.
12" G.V. & VAULT TYP.
ex. vault w/w.m. & g.v.
ex. up. typ.
ex. f.h. id#12385
20' PUBLIC W.L. EASEMENT
PROPERTY LINE
MOUNT HOLLAND DR.

N/F SCHOOL BOARD OF ROANOKE COUNTY T.M. #5120115 4938 HIDDEN VALLEY ROAD S.W. ZONED INPUD
N/F EDWARD B VIA T.M. #5120308 0 MOUNT HOLLAND DR S.W. ZONED R-7
N/F SCHOOL BOARD OF ROANOKE COUNTY T.M. #5120115 4938 HIDDEN VALLEY ROAD S.W. ZONED INPUD
N/F CLEMENT BINNINGS JR. JOAN G. BINNINGS T.M. #5170201 1201 DRIFTWOOD LANE S.W.

S72°20'00"W 304.17'
S22°46'00"W 200.00'

3.02	TEMPORARY STONE CONSTRUCTION ENTRANCE	CE
3.05	SILT FENCE	SF
3.31	TEMPORARY SEEDING	TS
3.32	PERMANENT SEEDING	PS
3.35	MULCHING	MU

WATERLINE PROFILE

1"=30' HORIZONTAL
1"=10' VERTICAL

NOTE: G.C. TO PROVIDE NECESSARY TRENCH BOXES FOR CONSTRUCTION AND COMPLY WITH ALL OSHA STANDARDS AND PROCEDURES

12" GATE VALVE TYP.
AIR RELEASE VALVE TYP.
TIE NEW 12" W.L. TO EXIST. 4" W.L. WITH 4"x4"X12" TEE SECTION (APPROX. STATIC PRESSURE AT CONNECTION POINT IS 53 PSI)
45° HORIZONTAL BEND
22.5° HORIZONTAL BEND
45° HORIZONTAL BEND
existing grade
PROPOSED PUBLIC 6" W.L. TO PROPOSED PUBLIC F.H. ASSEMBLY TYP.
45° HORIZONTAL BEND
36" MIN. COVER SHALL BE PROVIDED OVER THE PROPOSED 12" WATERLINE
PROPOSED PUBLIC 12" PVC WATERLINE
NOTE: G.C. TO PROVIDE THRUST BLOCKS AT ALL BENDS AND TEES IN ACCORDANCE WITH W.V.W.A. STD W-18

1140 1120 1100
1112.6 1115.6 1120.5 1122.1 1124.0 1127.6 1131.8 1137.5 1144.7 1152.4 1154.6
16+00 17+00 18+00 19+00 20+00 21+00 21+05.64

5' from main line to valve.
15' from valve to Bend.
5' to other Bend

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 inch = 30 ft.

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Balzer and Associates, Inc.
1208 Corporate Circle
Roanoke, VA 24018
540-772-9580
FAX 540-772-8050

COMMONWEALTH OF VIRGINIA
CHRISTOPHER P. BURNS
Lic. No.047338
5/1/12
PROFESSIONAL ENGINEER

H.V.M.S. WATERLINE
UTILITY PLAN 3
CITY OF ROANOKE, VIRGINIA

DRAWN BY	BTC
DESIGNED BY	BTC
CHECKED BY	CPB
DATE	3-30-12
SCALE	1"=30'
REVISIONS:	5-1-2012

APPROVED
JUL 23 2012

SHEET NO.
C-04
JOB NO. R1200006.00