

STA.: 10+00.00
REQ'D:
1- 8" TAPPING SLEEVE
1- 8" GATE VALVE
1- THRUST BLOCK
CONTRACTOR TO FIELD VERIFY
EXISTING WATER LINE DEPTH AND
SIZE BEFORE CONSTRUCTION

STA.: 10+38.29
REQ'D:
1- WATER VAULT
(BY WVWA)
1- 2" IMMIGRATION METER

STA.: 12+09.13
REQ'D:
1- 8" 22-1/2" BEND
1- CONCRETE THRUST BLOCK

STA.: 12+51.00
REQ'D:
1- 8"x8"x8" TEE
1- CONCRETE THRUST BLOCK

STA.: 12+54.04
REQ'D:
1- 8" GATE VALVE AND BOX

STA.: 12+57.97
REQ'D:
1- 8" 45" BEND
1- CONCRETE THRUST BLOCK

STA.: 12+62.91
REQ'D:
1- 1-1/2" WATER SERVICE

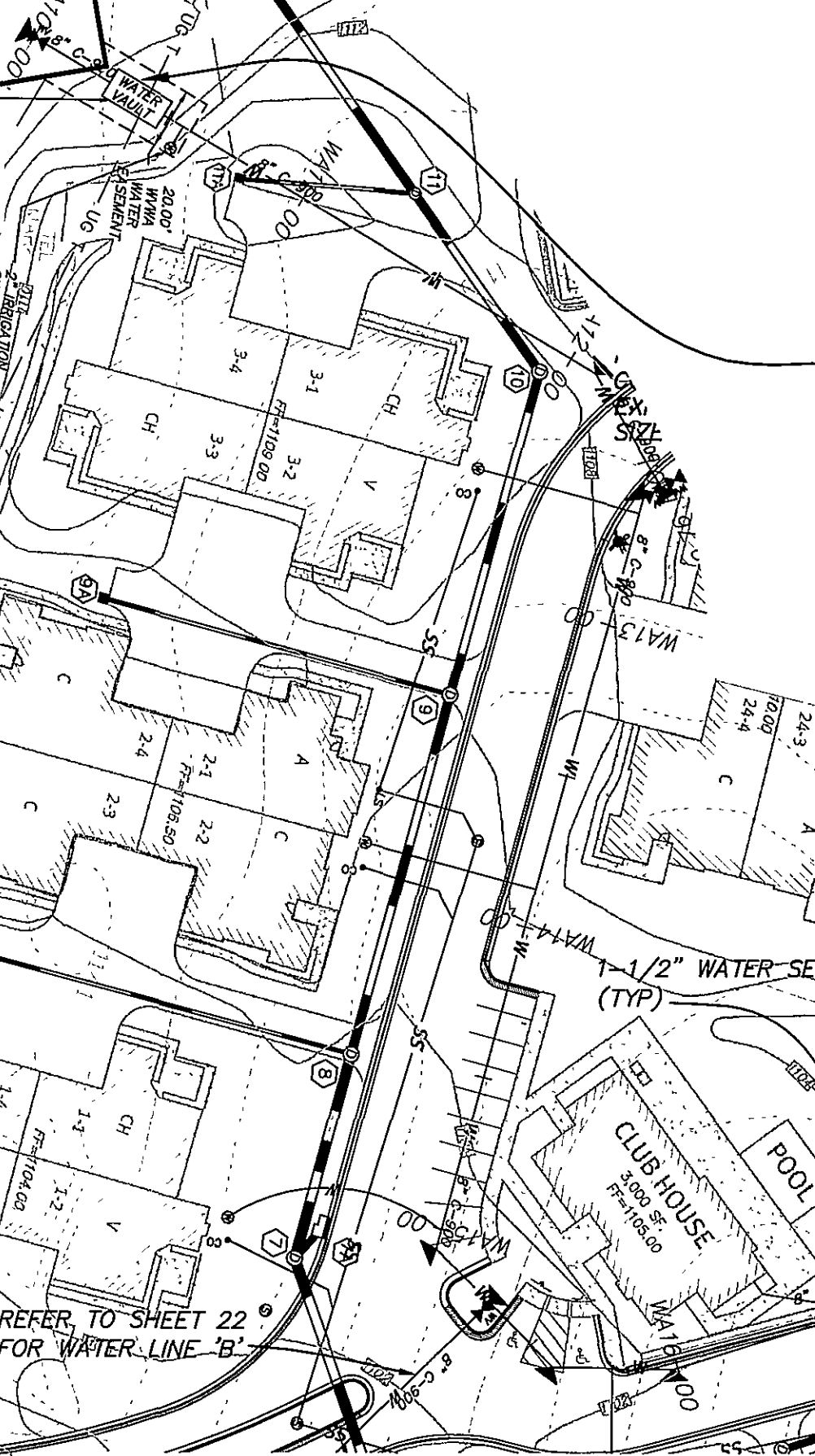
STA.: 12+73.35
REQ'D:
1- FIRE HYDRANT ASSEMBLY

STA.: 13+87.62
REQ'D:
1- 1-1/2" WATER SERVICE

STA.: 15+00.47
REQ'D:
1- 1-1/2" WATER SERVICE

STA.: 15+06.56
REQ'D:
1- 8" 45" BEND
1- CONCRETE THRUST BLOCK

STA.: 15+31.04
REQ'D:
1- 8"x8"x8" TEE
1- CONCRETE THRUST BLOCK



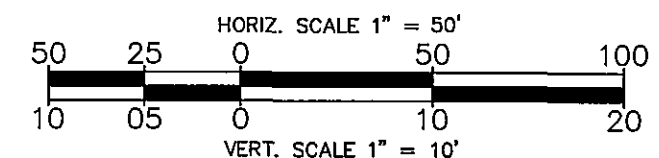
STA.: 10+00.00
CONTRACTOR SHALL FIELD VERIFY DEPTH AND LOCATION
OF EXISTING 8" WATER LINE BEFORE WVWA CONNECTS
TO THE EXISTING 8" WATER LINE. CONTRACTOR SHALL
SUPPLY TAPPING SLEEVE AND VALVE IN ACCORDANCE
WITH WVWA DESIGN AND CONSTRUCTION STANDARDS.
INSTALLATION OF WATER VAULT TO BE PERFORMED BY
THE WESTERN VIRGINIA WATER AUTHORITY DEPARTMENT.
CONTRACTOR SHALL BE RESPONSIBLE FOR
EXCAVATION AND SHORING PER OSHA REGULATIONS

1- 2" COMPOUND DOMESTIC METER
IN WATER VAULT ON 3" LINE

STA.: 19+31.49 TO STA.: 21+52.26
CONTRACTOR SHALL DEFLECT WATER
LINE ON A RADIUS OF 1033.00 FT.

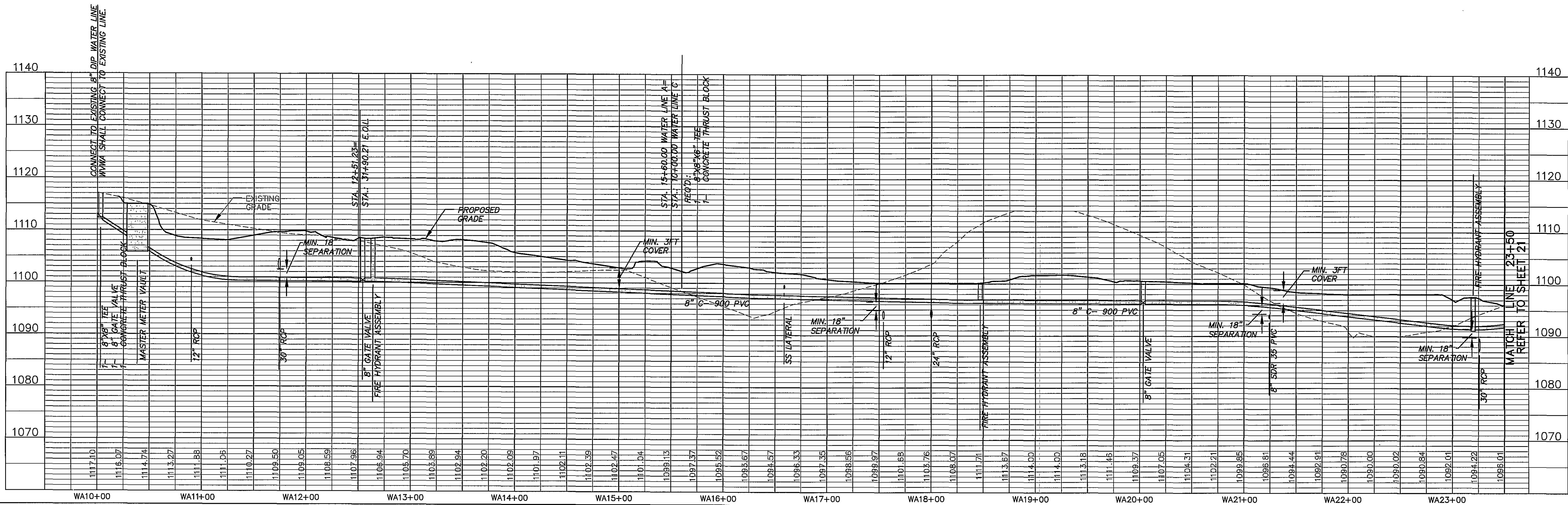
MATCH LINE
REFER TO SHEET 23+50.21

- NOTES:
1. ALL CONSTRUCTION METHODS, DETAILS, AND SPECIFICATIONS ARE TO BE PER THE LATEST EDITION OF THE WESTERN VIRGINIA WATER AUTHORITY MASTER SPECIFICATIONS. A COPY OF THESE SPECIFICATIONS MUST BE KEPT ON SITE AT ALL TIMES DURING THE CONSTRUCTION OF THE WATER LINE.
 2. MAINTAIN 18" OF VERTICAL SEPARATION BETWEEN STORM CULVERT AND WATER LINE.
 3. CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL FIELD ELEVATIONS.
 4. MAINTAIN 3' OF COVER AS A MINIMUM.
 5. FIRE HYDRANT ASSEMBLY CONSIST OF ANCHOR BLOCK, 8" GATE VALVE, TEE AND TIE RODS.
 6. POLYETHYLENE CASING PIPE TO BE USED ON ALL SERVICE LINES UNDER PAVEMENT.
 7. IN-LINE PRESSURE REDUCING VALVES TO BE PLACED ON ALL SERVICE LATERALS AS THE MINIMUM STATIC PRESSURE IN WATER MAIN EXCEEDS 80 psi.
 8. WATER LINE TO BE A MINIMUM OF 5' BEHIND BACK OF CURB.
 9. ALL RESIDENTIAL WATER SERVICES SHALL BE 1-1/2" TYPE K COPPER.
 10. ALL RESIDENTIAL METER BOXES SHOWN ARE FOR CORPORATION STOPS ONLY, METERS WILL NOT BE PLACED FOR EACH UNIT.
 11. ALL WATER AND SANITARY SEWER BILLS TO BE SENT TO AND MANAGED BY HOMEOWNERS ASSOCIATION.



1	09/06/05	PER COUNTY COMMENTS
2	09/06/05	PER CLIENT COMMENTS
3	11/04/05	PER COUNTY COMMENTS
6	12/29/05	PER COUNTY AND VDOT COMMENTS
7	02/10/06	PER COUNTY COMMENTS

LOOP WATER LINE A STA. 10+00 TO STA. 23+50.00



HURT & PROFFITT
INCORPORATED
2524 LAMORNE ROAD
LYNCHBURG VA 24501
800.242.4906 TOLL FREE
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WATER LINE A PLAN AND PROFILE FOR ORCHARD VILLAS ROANOKE COUNTY, VIRGINIA

PROJECT NO. 20040345
G.L. NO. 260-04-CA.7
FILE NO. LS-11039
DATE: 09/06/05
DRAWN BY: DLC/MCB
CHECKED BY: MDM

PROFESSIONAL SEAL OF VIRGINIA
MICHAEL D. MORGAN, II
No. 041247
02/10/06
PROFESSIONAL ENGINEER

HURT & PROFFITT

SHEET NO.
20 OF 33