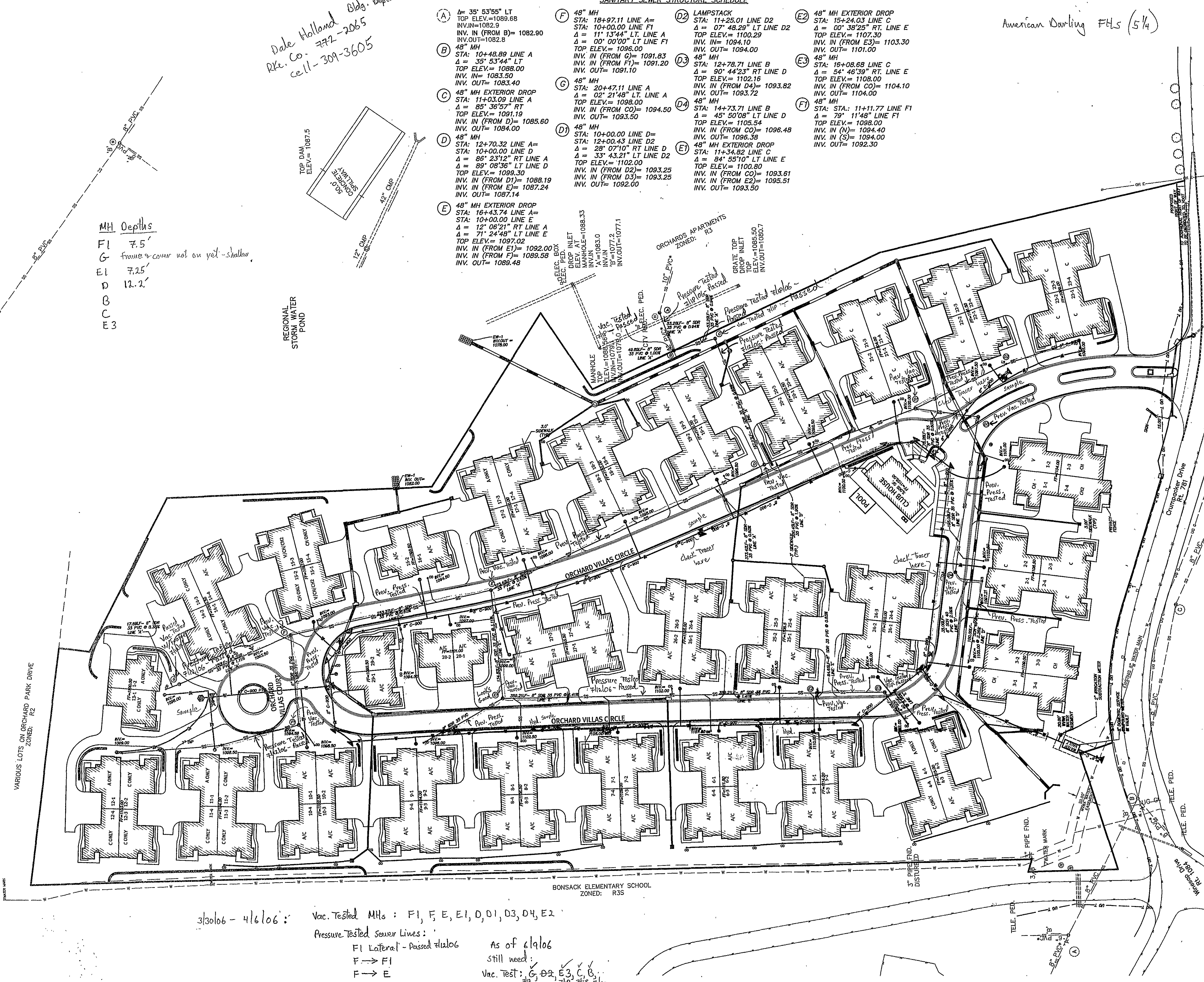


Dale Holland Bldg. Dept.
Rte. Co. 772-2085
cell-309-3605

American Dorking FHs (5/4)



Air Release Valve
at end? Yes
In-line PRVs on
all services?

TO BE INSTALLED AND TESTED PER WVWA
IRDS.
S MUST BE APPROVED BY THE ENGINEER

- UNACCEPTABLE PIPE SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- SANITARY SEWER LATERALS SHALL HAVE A MINIMUM OF 6" SEPARATION FROM STORM SEWER PIPES.
 - CONTRACTOR TO FIELD VERIFY ALL INVERTS AND CONNECTION POINTS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. IF POTENTIAL CONFLICTS ARE DETECTED, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY.
 - PVC SEWER PIPE SHALL BE SDR-35 UNLESS NOTED OTHERWISE.
 - SANITARY SEWER LATERALS TO RUN UNDER WATER LINE WHERE POSSIBLE.
 - CONTRACTOR TO ENSURE THAT PROPOSED SANITARY SEWER LINE AND WATER LINES HAVE A MINIMUM OF 10' HORIZONTAL SEPARATION.

- WATER NOTES:
- ALL WATER LINE CONSTRUCTION IS TO BE INSTALLED AND TESTED PER WVWA SPECIFICATIONS AND STANDARDS.
 - ALL WATER LINE TO BE C-900. PUSH ON JOINT PIPE UNLESS NOTED OTHERWISE.
 - ALL CONCRETE ANCHORS ARE TO BE CONSTRUCTED PER COUNTY STANDARDS.
 - USE COUNTY APPROVED VALVES AND FITTINGS.
 - NEW WATER LINE SHALL BE COMPLETE, DISINFECTED, AND APPROVED PRIOR TO PERMANENTLY CONNECTING TO EXISTING WATER LINE.
 - ANY CHANGE TO THE PLAN MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO FIELD VERIFY ALL INVERTS AND CONNECTION POINTS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. IF POTENTIAL CONFLICTS ARE DETECTED, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY.
 - DOMESTIC SERVICE LINE SHALL BE 1-1/2" TYPE K COPPER.
 - SEE ARCHITECTURAL PLAN FOR UTILITY STUD OUT LOCATION.
 - ALL PROPOSED UTILITIES SHALL BE UNDERGROUND.
 - WATER LINE MAIN TO HAVE MINIMUM OF 36" OF COVER.
 - IRRIGATION LATERAL TO BE 2". IRRIGATION METER TO BE A 2" SUBTRACTION METER WITH ABOVE GROUND RPZ.
 - RPZ TO BE FLUSHED ANNUALLY BEFORE THE START OF THE WINTER SEASON.
 - CONTRACTOR SHALL USE 3" DOMESTIC METER.
 - CONTRACTOR SHALL PLACE TRACER LINE 1' ABOVE WATER MAIN AS CONSTRUCTED.

- GENERAL NOTE:
- PROPOSED TURNLANE AND PROPOSED ENTRANCES SHOWN ARE FOR REFERENCE PURPOSES ONLY.
 - EXCAVATION AND SHORING TO BE PROVIDED BY CONTRACTOR PER OSHA STANDARDS AT LOCATIONS FOR ALL TAPS TO BE PERFORMED BY WVWA.
 - CONTRACTOR SHALL COORDINATE WATER OUTAGE, AND ALL CONNECTIONS TO EXISTING SYSTEM WITH WVWA.

3/30/06 - 4/6/06: Vac. Tested MHs: F1, F, E, E1, D, D1, D3, D4, E2
Pressure Tested Sewer Lines:
F1 Lateral - Passed #12106
F -> F1
F -> E
E -> E1
E1 Lateral
E -> D
D -> D1
D1 -> D2
D2 -> D3
D3 -> D4
D4 Lateral
E2 -> E3
E3 Lateral
As of 6/19/06
Still need:
Vac. Test: G, D2, E3, C, B, A
Pressure Test:
F -> G Passed #12106
G Lateral
D -> C Passed #12106
C -> B Passed #12106
B -> A Passed #12106
D2 Lateral
E1 -> E2 Passed #12106

Still need
Water Pressure Test:
Cul-de-sac line (Orch. Vill. Ct.)
Clubhouse line
Vault line

314-7863
Daniel Webb

8/28:
E2 needs grouted on invert out. - done
FHs need painted - done
PRVs? Will be in line
for each individual unit.

Already installed when WVWA
inherited project.



	PER COUNTY COMMENTS
1 09/06/05	PER COUNTY COMMENTS
2 09/06/05	PER COUNTY COMMENTS
3 11/04/05	PER COUNTY COMMENTS
4 12/06/05	PER COUNTY COMMENTS
6 01/23/06	PER COUNTY AND VDOT COMMENTS
7 02/10/06	PER COUNTY COMMENTS

THE ENGINEER AND/OR SURVEYOR TAKES NO RESPONSIBILITY FOR THE LOCATION OR ACCURACY OF THE UTILITIES AS SHOWN HEREON OR ANY UTILITIES WITHIN THE PROJECT THAT MAY NOT BE SHOWN HEREON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES TO SEE IF ANY UTILITIES EXIST WITHIN THE AREA OF THE PROJECT BEFORE ANY CONSTRUCTION BEGINS. ANY COST INCURRED BY DAMAGING ANY UTILITY WITHIN THE PROJECT SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

48 WORKING HOURS PRIOR TO STARTING THE WORK, THE CONTRACTOR SHALL CALL MISS UTILITY AT 1-800-552-7001 AND ADVISE THE NATURE AND LOCATION OF THE WORK.

ENGINEERING & SURVEYING >> PLANNING

HURT & PROFFITT
INCORPORATED
2524 LANGHORNE ROAD
LYNCHBURG VA 24501
800.242.4906 TOLL FREE
434.847.7796 MAIN
434.847.0047 FAX

OVERALL UTILITY PLAN
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
CHECKED BY: MDM

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

HURT & PROFFITT

SHEET NO.
17 OF 33