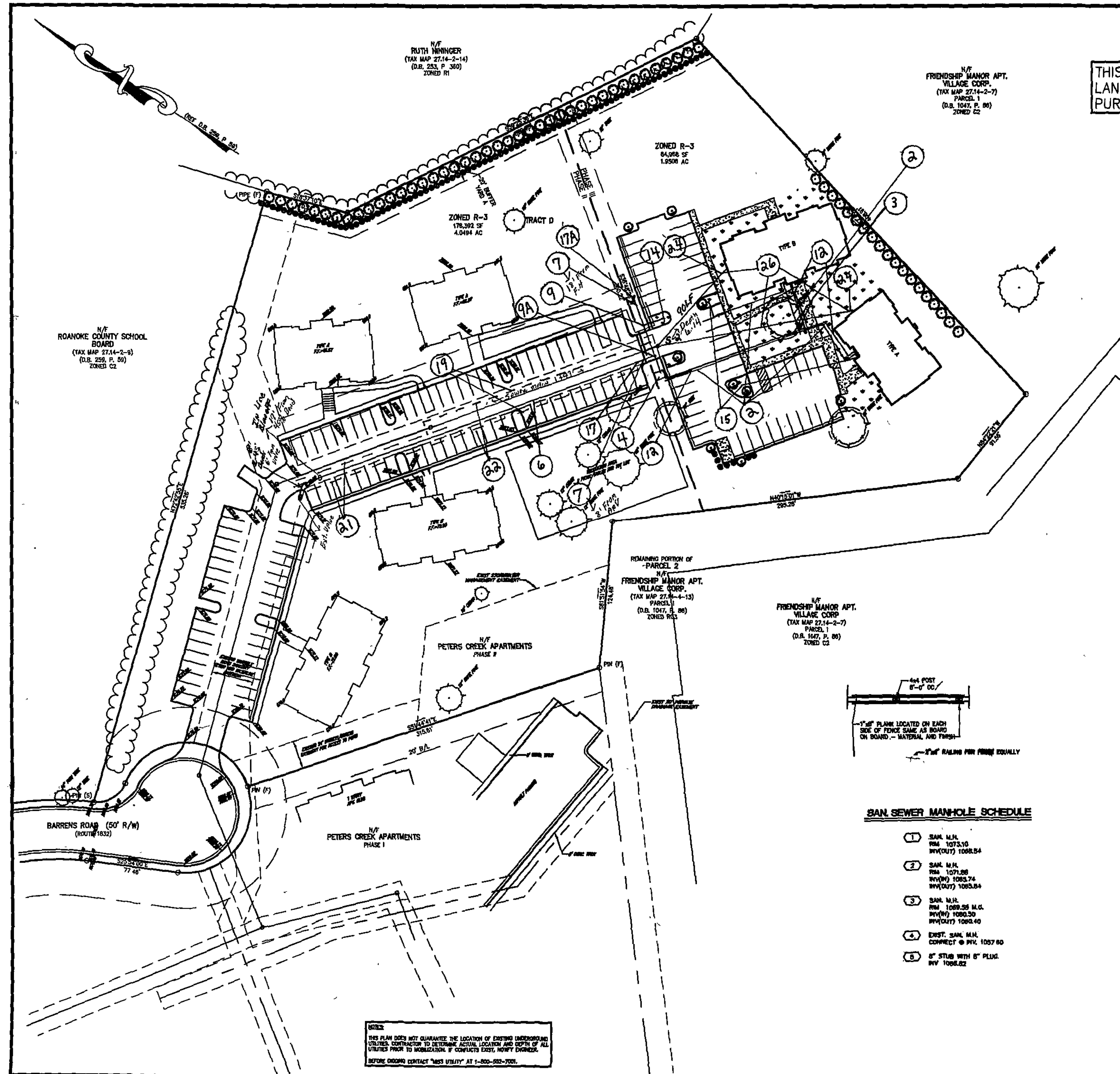
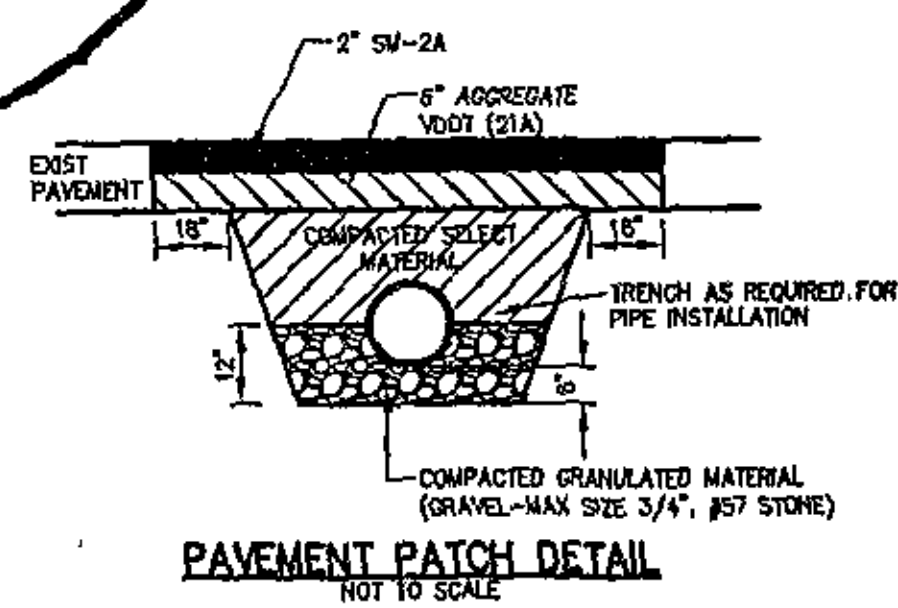
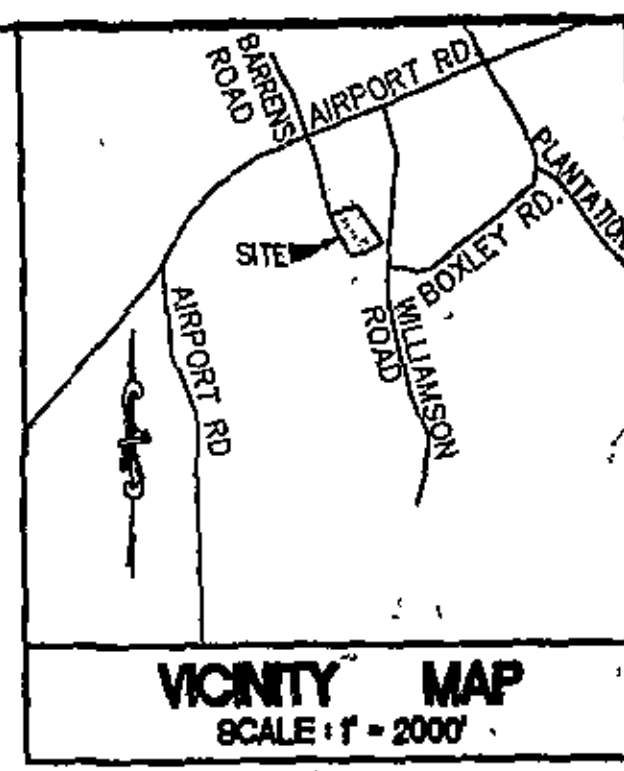




THIS LAND PURP



UTILITY DESIGN NOTES

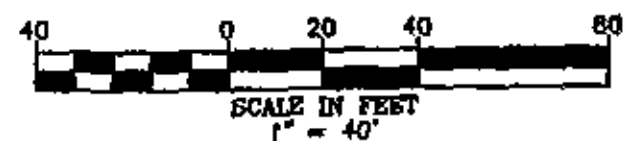
1. CONTRACTOR SHALL LOCATE EXISTING 8" P.V.C. WATERLINE, SANITARY SEWER, AND ANY UNDERGROUND UTILITIES PRIOR TO MOBILIZATION AND CONSTRUCTION. IF CONFLICTS EXIST, NOTIFY THE ENGINEER.
2. 4" FIRE LINE - 36" MIN. COVER.
3. 4" X 4" TEE.
4. VALVE METER CONFIGURATION AND DETECTOR CHECK ASSEMBLY IN ACCORDANCE WITH WYMA STANDARDS - 9' FROM TEE.
5. 4" - 45 DEGREE BEND WITH RETAINER GLAND.
6. 8" WATER MAIN - 36" MIN. COVER.
7. 8" GATE VALVE - SEE SCHED.
8. NOT USED.
9. 8" X 6" TEE WITH RETAINER GLAND - 27' FROM TEE OR MAIN.
10. NOT USED.
11. 8" X 4" REDUCER.
12. 2" WATER SERVICE LINE COPPER TYPE "K", 36" MIN. COVER.
13. NOT USED.
14. 6" FIRE HYDRANT ASSEMBLY - SEE DETAIL 27' FROM TEE OR MAIN - 5' H VALVE IS 11' FROM MAIN AND 5' H IS 10' FROM VALVE.
15. SIAMSE CONNECTION WITH 4 - INCH VALVE.
16. SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF SANITARY AND WATER CONNECTION.
17. AUTOMATIC AIR RELEASE VALVE - SEE DETAIL - 27' FROM IN-Line Blow-off.
- 17A. BLOW OFF VALVE ASSEMBLY FOR MAINLINE TEMPORARY TERMINATION - 19' FROM VALVE.
18. NOT USED.
- 18A. MAINTAIN 12" CLEARANCE BETWEEN PROPOSED WATERLINE AND EXISTING UTILITIES. CONTRACTOR TO DETERMINE LOCATION OF EXISTING UTILITIES PRIOR TO INSTALLING PROPOSED WATERLINE.
- 18B. MAINTAIN 18" CLEARANCE BETWEEN PROPOSED WATERLINE AND PROPOSED SANITARY.
19. OPEN OUT EXISTING PAVEMENT TO INSTALL 8" SANITARY AND 8" WATER. SEE PAVEMENT PATCH DETAIL THIS SHEET.
20. NOT USED.
21. PROPOSED 20' AND VARIABLE WATERLINE EASEMENT TO BE DEDICATED TO WYMA.
22. PROPOSED 20' SANITARY EASEMENT TO BE DEDICATED TO WYMA.
23. PROPOSED BUILDING MOUNTED LIGHTING.
24. 6" P.V.C. SANITARY SEWER LATERAL @ 0.63% SLOPE (MIN) 36" MIN. COVER.
25. 8" P.V.C. SANITARY SEWER LATERAL @ 0.63% SLOPE (MIN) 36" MIN. COVER.
26. 6" SANITARY SEWER CLEANOUT. SEE DETAIL.
27. WATER SHALL PASS OVER SANITARY WITH 18" MIN. CLEARANCE.
28. EXCAVATED MATERIAL SHALL BE PLACED ON UPHILL SLOPE OF TRENCHES.

SAN. SEWER MANHOLE SCHEDULE

- | | |
|---|---|
| 1 | SAN. M.H.
RIM 1075.510
INV(OUT) 1068.54 |
| 2 | SAN. M.H.
RIM 1071.08
INV(OUT) 1063.74
INV(OUT) 1063.84 |
| 3 | SAN. M.H.
RIM 1069.25 M.G.
INV(OUT) 1060.30
INV(OUT) 1060.40 |
| 4 | EXIST. SAN. M.H.
CONNECT @ INV. 1057.60 |
| 5 | 8" STUB WITH 8" PLUG.
INV. 1068.82 |

Total Sanitary main 1797'
Total Water main 377' 8"

AS - BUILT
04/08/2006



NOTES:
THIS PLAN DOES NOT GUARANTEE THE LOCATION OF EXISTING UNDERGROUND UTILITIES. CONTRACTOR TO DETERMINE ACTUAL LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO MOBILIZATION. IF CONFLICTS EXIST, NOTIFY ENGINEER.
BEFORE ORDERING CONTACT "BEST UTILITY" AT 1-800-552-7001.

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Site Improvement Associates, Inc. Civil Engineers & Site Contractors 168 Business Park Drive, Suite 100 Virginia Beach, Va. 23462 Phone # (757) 671-9000 Fax # (757) 671-9288	DESCRIPTION REVISIONS No. Date
SIA C. C. CARTER MOOREWELL, JR. P.E. NO. 031411 PROFESSIONAL ENGINEER	
UTILITY PLAN FOR PETERS CREEK APARTMENTS PHASE II HOLLIS MAGISTERIAL DISTRICT ROANOKE COUNTY, VIRGINIA	
WWW.SIA-VA.COM	
JOB # 05184	
DWG FILE: 01-COVER	
DATE: 07-24-05	
SCALE: 1" = 40'	
SHEET NUMBER 4 OF 10	