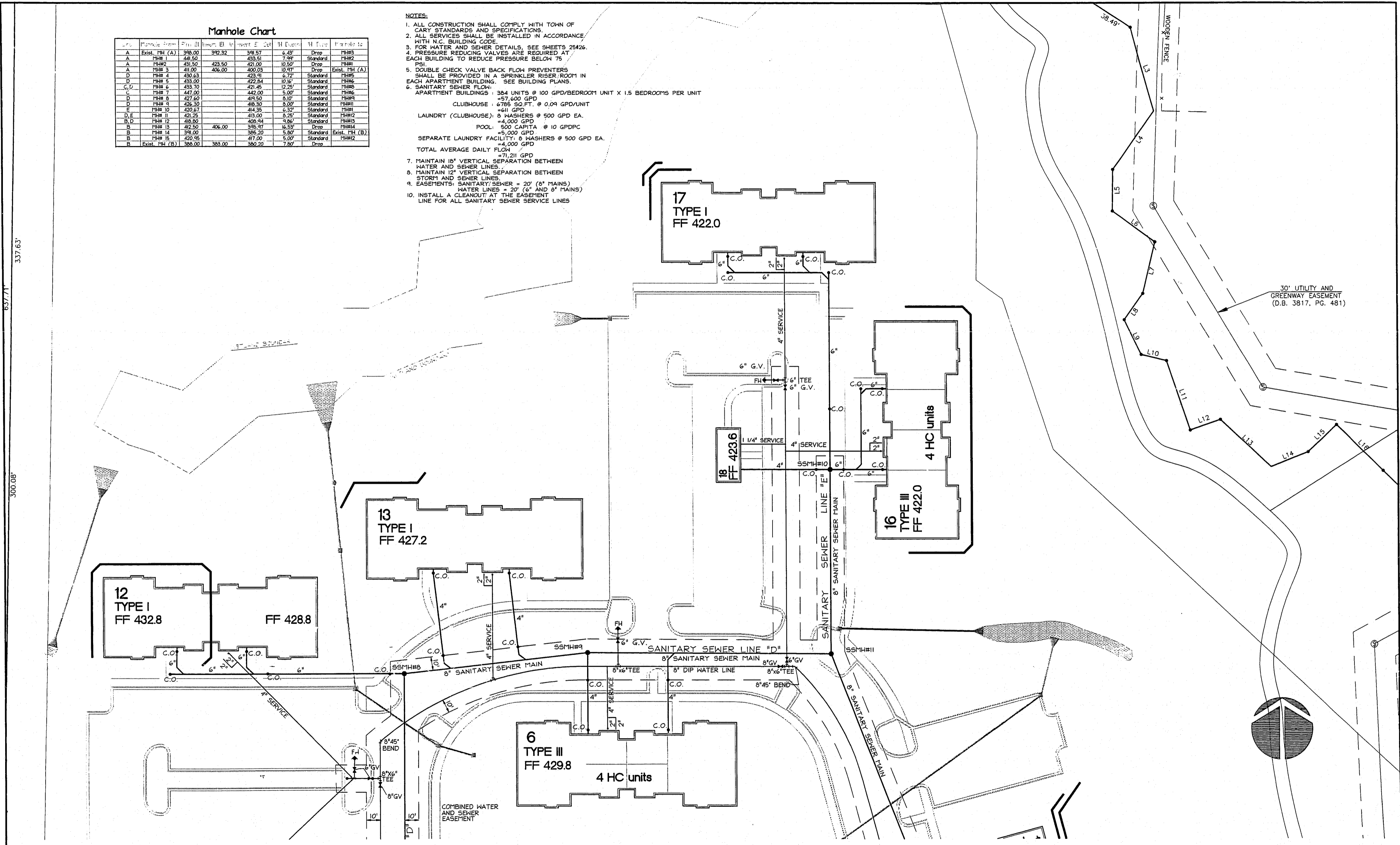


Manhole Chart

Manhole	From	To	Flow	Flow	Flow	Flow	Flow	Flow	Flow
A	Exist. MH (A)	398.00	392.32	391.57	6.43'	Drop	MH#3		
A	MH#1	441.50	433.51	434.00	7.99'	Standard	MH#2		
A	MH#2	431.50	423.50	421.00	10.50'	Drop	MH#1		
A	MH#3	411.00	406.00	400.03	10.97'	Drop	Exist. MH (A)		
D	MH#4	430.63		423.91	6.72'	Standard	MH#5		
D	MH#5	433.00		422.84	10.16'	Standard	MH#6		
C, D	MH#6	433.70		421.45	12.25'	Standard	MH#8		
C	MH#7	447.00		442.00	5.00'	Standard	MH#6		
D	MH#8	427.60		419.50	8.10'	Standard	MH#9		
D	MH#9	426.30		419.30	7.00'	Standard	MH#11		
E	MH#10	420.67		414.35	6.32'	Standard	MH#11		
D, E	MH#11	421.25		419.00	2.25'	Standard	MH#12		
B, D	MH#12	418.80		409.34	9.46'	Standard	MH#13		
B	MH#13	412.50	406.00	395.37	16.53'	Drop	MH#14		
B	MH#14	391.00		386.20	4.80'	Standard	Exist. MH (B)		
B	MH#15	420.95		417.00	3.95'	Standard	MH#12		
B	Exist. MH (B)	388.00	383.00	380.00	7.80'	Drop			

NOTES:

- ALL CONSTRUCTION SHALL COMPLY WITH TOWN OF CARY STANDARDS AND SPECIFICATIONS.
- ALL SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH N.C. BUILDING CODE.
- FOR WATER AND SEWER DETAILS, SEE SHEETS 25426.
- PRESSURE REDUCING VALVES ARE REQUIRED AT EACH BUILDING TO REDUCE PRESSURE BELOW 75 PSI.
- DOUBLE CHECK VALVE BACK FLOW PREVENTERS SHALL BE PROVIDED IN A SPRINKLER RISER ROOM IN EACH APARTMENT BUILDING. SEE BUILDING PLANS.
- SANITARY SEWER FLOW:
 APARTMENT BUILDINGS: 384 UNITS @ 100 GPD/BEDROOM UNIT X 1.5 BEDROOMS PER UNIT =57,600 GPD
 CLUBHOUSE: 6785 SQ.FT. @ 0.09 GPD/UNIT =611 GPD
 LAUNDRY (CLUBHOUSE): 8 WASHERS @ 500 GPD EA. =4,000 GPD
 POOL: 500 CAPITA @ 10 GPD/PC =5,000 GPD
 SEPARATE LAUNDRY FACILITY: 8 WASHERS @ 500 GPD EA. =4,000 GPD
 TOTAL AVERAGE DAILY FLOW =71,211 GPD
- MAINTAIN 18" VERTICAL SEPARATION BETWEEN WATER AND SEWER LINES.
- MAINTAIN 12" VERTICAL SEPARATION BETWEEN STORM AND SEWER LINES.
- EASEMENTS: SANITARY SEWER = 20' (8" MAINS)
 WATER LINES = 20' (6" AND 8" MAINS)
- INSTALL A CLEANOUT AT THE EASEMENT LINE FOR ALL SANITARY SEWER SERVICE LINES



337.63'
300.08'

30' UTILITY AND GREENWAY EASEMENT (D.B. 3817, PG. 481)

REV. NO.	DESCRIPTION	DATE

DESIGNED	JMS
DRAWN	JRF
CHECKED	ADS
PROJ. ENG.	

MCKIM & CREED
 ENGINEERS • PLANNERS • SURVEYORS
 WILMINGTON, NORTH CAROLINA RALEIGH, NORTH CAROLINA
 SMITHFIELD, NORTH CAROLINA

WATERFORD FOREST APARTMENTS
 CARY, NC

UTILITY PLANS

DATE: 7 APR 95
 MCE PROJ. #0976-0007
 DWG FILE #568F4U01

SCALE:
 HORIZONTAL: 1"=30'
 VERTICAL: 1"=30'
 SHEET NO. **14**
 OF 27