



GENERAL NOTES:

- ALL PIPING TO BE CLASS 52 DUCTILE IRON UNLESS OTHERWISE NOTED.
- THE CONCRETE WET WELL AND DRY WELL/VALVE VAULT TO BE PRECAST CONCRETE SECTIONS WITH WALL SLEEVES FOR ALL PRESSURE PIPING AND FLEXIBLE BOOT FOR ALL OTHER PIPING.
- PUMP SHALL BE FLYGT MODEL C-3127, TYPE 484 HT, 10.0 HORSEPOWER, 217 mm IMPELLER DIAMETER, OR APPROVED EQUAL, CAPABLE OF SUPPLYING 133 GPM AT 67.8 FEET TDH AND PASSING 3" DIA. SOLIDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH AEP TO PROVIDE PERMANENT POWER TO THE PUMP STATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TEMPORARY POWER TO THE PUMP STATION SITE.
- REFERENCE IS DIRECTED TO ELECTRICAL PLANS AND SPECIFICATIONS FOR ELECTRICAL ITEMS AND CONTROLS. (BY OTHERS).
- TESTING OF WET WELL AND AUXILIARY STORAGE BASIN TO BE ACCOMPLISHED BY EXFILTRATION METHOD. ALLOWABLE LEAKAGE IS 5 GALLONS PER 24 HOURS.

GENERAL SPECIFICATIONS: (FROM ROANOKE COUNTY WATER AND SEWER REGULATIONS, SECOND EDITION)

- PUMPING STATIONS SHOULD HAVE A MINIMUM 100-FOOT LIMITED USE ZONE SURROUNDING THE PUMP STATION.
- ALL PUBLIC SEWAGE PUMP STATIONS SHALL HAVE AN ALL-WEATHER ACCESS ROAD WITH A MINIMUM WIDTH OF 10 FEET.
- PUBLIC SEWAGE PUMPING STATIONS SHALL BE PROTECTED USING STANDARD SECURITY FENCE UNLESS OTHERWISE APPROVED BY THE UTILITY DIRECTOR. REFER TO DETAIL DRAWINGS.
- SHALL HAVE AN ENTRANCE LADDER NOT SUBJECT TO CORROSION AND PROPERLY ALIGNED WITH HATCH FOR EACH ACCESS.
- PUMPING STATIONS SHALL HAVE AN ALARM SYSTEM WITH LIGHT AND BATTERY BACKUP. THE ALARM SYSTEM SHALL MONITOR POWER FAILURE, HIGH WET WELL LEVEL, AND LOW LEVEL ALARM. AN AUTOMATIC DIALING MECHANISM IS ALSO REQUIRED.
- POTABLE WATER SHALL BE PROVIDED TO PUMP STATION UNLESS OTHERWISE APPROVED BY UTILITY DIRECTOR.
- GATE VALVES AND CHECK VALVES SHALL BE INSTALLED ON FORCE MAIN OUTSIDE OF PUMP STATION IN VALVE BOXES.
- PUMP STATIONS USING SUBMERSIBLE PUMPS SHALL HAVE PROVISIONS FOR PUMPS TO SLIDE FREELY ON GUIDE RAILS TO ALLOW EASY REMOVAL AND INSTALLATION. GUIDE RAIL BRACING SHALL BE PROVIDED AT THE MIDPOINT OF EACH TEN-FOOT LENGTH OF GUIDE RAILS.
- WET WELL PLATFORMS MAY BE REQUIRED FOR SUBMERSIBLE SYSTEMS 10 FEET DEEP OR GREATER.
- STATIONS SHOULD BE DESIGNED TO NOT UTILIZE LONG STEM VALVES IF AT ALL POSSIBLE.
- OPERATIONS AND MAINTENANCE MANUALS AND SHOP DRAWINGS SHALL BE SUBMITTED.

04/23/01 - REVISED PUMP STATION WET WELL, MANHOLE 205, AND PUMP
02/16/01 - REVISED PUMP STATION WET WELL, MANHOLE 205, AND PUMP

	NEW SEWAGE PUMP STATION DETAILS FOR "THE FAIRWAYS AT HANGING ROCK" GRAHAM - THOMAS, L.L.C. SITUATE EDGEBROOK ROAD (RTE. 1150) CATAMBA MAGISTERIAL DISTRICT ROANOKE COUNTY, VIRGINIA	
	SCALE: NONE DATE: 19 OCTOBER 2000	T. P. PARKER & SON 816 Boulevard Post Office Box 39 Salem, Virginia 24153 Telephone: 540-387-1153 FAX: 540-389-8787
DESIGNED BY J.M. SCHULTHEIS DRAWN BY J.M.S. CHECKED BY J.T.P. W.O. # 99-1338 N.B. JR-43, F-64 TAX NO. 35.04-03-80.3		