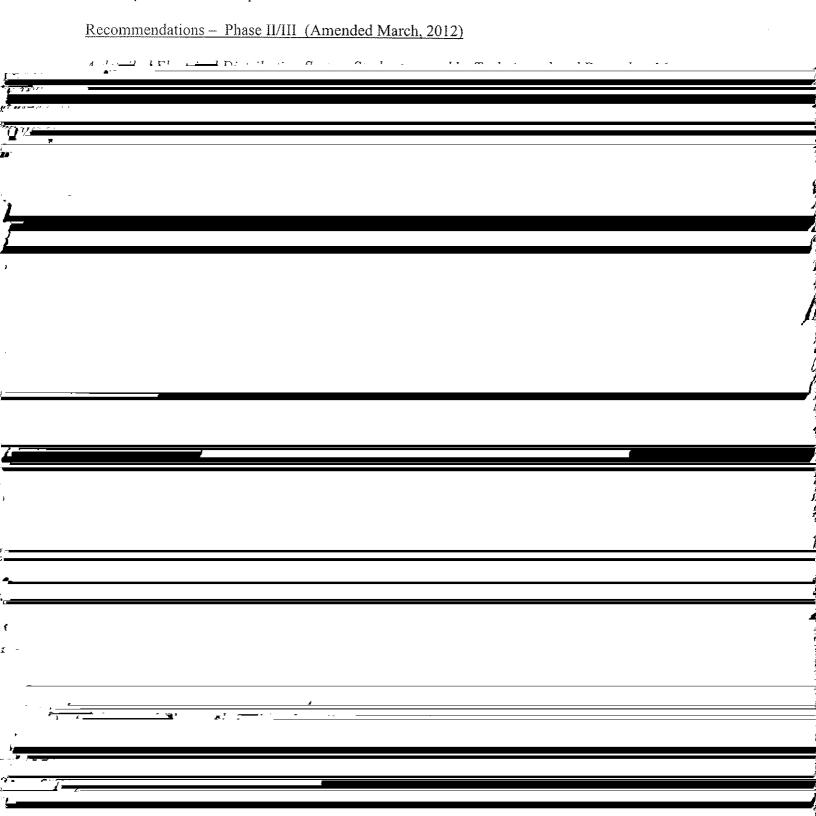
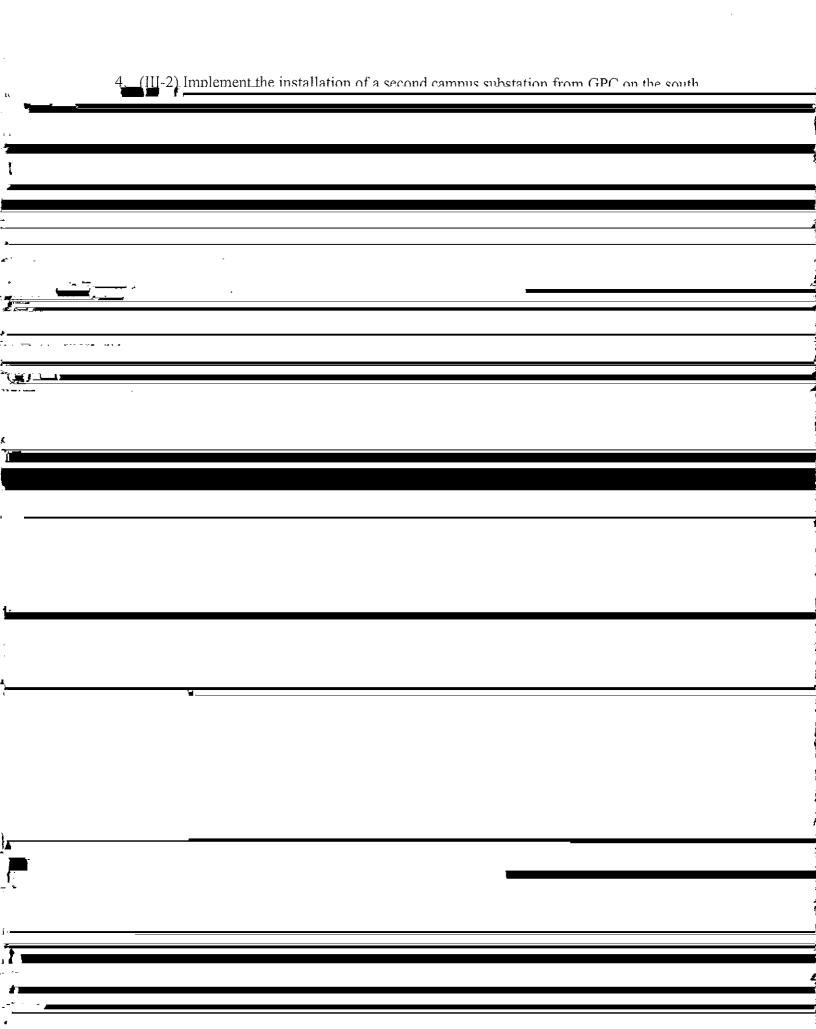


7,965 kVA. This means the existing transformer capacity will not have 100% redundancy when 10,000 kVA is exceeded. Given the project growth of the campus noted above, it is estimated the load will be 10,860 kVA for Phase II and 16,935 kVA for Phase III.

The existing three primary 12,470 volt loop feeds have a total capacity of 800 amps. As noted in the 2006 Master Plan it consists of 2-200 amp and 1-400 amp loops. At 80% loading, the existing total current can handle 640 amps. Note that one 10,000 kVA at 100% load will deliver 465 amps to the three loops.





	2. (II-1) The existing 12" line coming into the campus from Frey Road, containing one of
	the KSU's water meters will have to be relocated north to allow for the addition of the
	Education Classroom Facility (Phase II) and its addition (Phase III).
- - ·	3_ALD The shove line will be extended along Douters Avis most 4. 02 1
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	Frey Lake Road in a 10" line.
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order to attain greater savings in the design, construction, and maintenance of each facility in the development of the campus. 2. The current Cobb County requirements will be documented with regards to capacity and quality requirements for new construction. This will be done to update the information submitted in the 2005 Master Plan. pagntity nun-off is calculated on new building sites. In the 2005 Mostor Dlan it was

Recommendations

From the 2005 Master Plan sanitary sewer recommendations, the following scope of work will be included in the 2012 Utility Infrastructure Upgrade Program.

1. (II-1) Sanitary Sewer A-1: A new 8" line will be installed along KSU Road from a point 1200 feet north of Chastain Road to the existing CCWS (Cobb County Water Septem) in Chastain Road. This line was noted as noted to receive the county of the line was noted to receive the line was noted to be a september of the line was not the line wa

Loop Road or east to new line III-1.

2. (II-2) Sanitary Sewer A-2: A new 10" line will be installed starting at a location where a

Recommendations

]. (II-1) Network cabling to link Building 79 (Owls Nest) to the Intramural Fields and
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	KSU's new Soccer Stadium require a pathway and cabling. The KSU Foundation is
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as the fiber link.

2. (II-2) A DAS (distributive antenna system) is needed throughout KSU to allow for local