

MEMORANDUM

TO: Mayor, Council, and Staff

FROM: Josiah Bilskemper, P.E. (Shive-Hattery, Inc.)

DATE: June 13, 2011
July 7, 2011 (MMS Responses)
August 7, 2011 (Updated City Engineer Comments)

RE: City Engineer Staff Report #2
One University Place PUD Submission (05.25.11)
One University Place PUD Submission (07.07.11; Sheet C-101 to C-109)

This memo provides a list of comments, questions, and recommendations based on a review of the public utilities (water, sanitary, storm) as well as gas and electric services (Mid-American Energy) for the PUD Submittal referenced above.

WATER MAIN

1. The Utility Plan (Page 7) was reviewed with representatives of the Iowa City Water Department.
 - a. We acknowledge this comment. (MMS, 7/7/11)
 - b. Additional reviews held with Iowa City water and engineering. New comments are as follows. (S-H, 8/5/11)
 - c. Where the water main loop between each building tees into the new main on the west and east side of the site, provide 3-way valves at each tee. Plans have been revised.
 - d. At the north end of the proposed water main on Sunset Street, provide a gate valve on either side of the hydrant, extend one length of pipe north of the last valve, and provide water-tight plug. The Iowa City water department will connect from this location to the existing dead-end water main on Grand Avenue. Plans have been revised.
 - e. Clarify the intended location of the water main as it crosses the underground 60" storm pipe under the parking, above or below the pipe?
2. There is one 16-inch water main running along the south edge of Melrose Avenue, the current plans show two water mains on the south side of Melrose. The existing water service that feeds the church building will need to be disconnected and closed shut off directly at the existing water main at the south edge of Melrose Avenue.
 - a. There are two water mains on the south side of Melrose. One is a 16-inch and the other is an abandoned 2-inch that was killed in 1970. A note has been added to the plans to clarify the water mains. The construction plans will show the details of abandoning the existing water service. (MMS, 7/7/11)
 - b. The water lines have been clarified on the drawings. The existing water service will need to be disconnected directly at the main. (S-H, 8/5/11)



3. If the water main through the site is to be public, a dedicated water main easement needs to be provided. This appears to be included, provide confirmation of the easement type and width.
 - a. The proposed water main easement is 15 foot wide. An easement plat will be prepared and submitted when the construction plans are submitted. (MMS, 7/7/11)
 - b. The Iowa City water and engineering department are still evaluating which portions of the water main within the site would be public (and require easement), and which would be private. (S-H, 8/5/11)
4. There is an existing water main that dead-ends at the intersection of Grand Avenue and Sunset Street (north of the site). As part of the project, the new water main at the east edge of the site needs to also be extended along Sunset Street to the north edge of the realigned paving so these can be connected in the future.
 - a. The plan has been revised to show the water main extended to the north edge of the realigned paving. (MMS, 7/7/11)
 - b. The water main has been extended north, noting the new main be bored underneath an existing walnut tree on the west side of Sunset Street. (S-H, 8/5/11)
 - c. There is discussion of locating the new water main on the east side of Sunset Street. This would minimize the length of water main under the new street pavement, eliminate proximity to the proposed retaining wall, and avoid the existing walnut tree. The water main would extend to the northeast corner of the intersection, with pipe stubbed out to the north for future extension towards Grand Avenue on the east side of Sunset Street. With this routing, it may be appropriate to connect to the existing 16" main on the east side of Sunset Street. (S-H, 8/5/11)
5. The development will require separate water meters for each unit, unless the total water bill is to be billed to the association, in which only one meter would be required. These could be placed in a common utility location with gas and electric meters.
 - a. We agree that the meters should be placed in a common utility location. The final building plans will show this location. (MMS, 7/7/11)
 - b. The location of utility meters has been discussed at past council meetings, with regard to the number of meters required by this development, and the way these affect the appearance of the buildings. It is unclear if a determination has been made as to whether the meters will be located inside or outside of each building. The council should follow up on this if it is an important issue. (S-H, 8/5/11)
6. Water meters can be placed inside the building in a dedicated utility room, and access needs to be provided to Iowa City Water Department via key or card access to this utility room. There could be a utility room on each floor with meters for each floor if desired.
 - a. We agree that the meters should be placed in a common utility location. Access will be provided to the Iowa City Water Department. The final building plans will show this location. (MMS, 7/7/11)
 - b. Refer to Item #5 above. (S-H, 8/5/11)

7. Anticipate that one fire line and one domestic service line will be required at each building. These services are required to be tapped off the water main loop through the site.
 - a. A domestic service and fire service have been shown to each building. The size of each service will be determined and shown with the construction plans. (MMS, 7/7/11)
 - b. **No additional comment. (S-H, 8/5/11)**
8. There is no flow test data on the existing water system at the site. A flow test will need to be completed at the site to verify whether there is enough pressure to serve the development. Depending on the pressure available, a booster pump may be needed at the rear building to provide enough water pressure at the upper floors.
 - a. A flow test will be completed when the construction plans are submitted. This information will be used to determine the size required for the service lines and if a booster pump is required. (MMS, 7/7/11)
 - b. **No additional comment. (S-H, 8/5/11)**

SANITARY SEWER

9. The Utility Plan (Page 7) was reviewed with representatives of the Iowa City Wastewater Department.
 - a. We acknowledge this comment. (MMS, 7/7/11)
 - b. **Additional reviews held with Iowa City wastewater and engineering. New comments are as follows. (S-H, 8/5/11)**
 - c. **The City of Iowa City requires a dedicated sanitary sewer easement that is twice the depth of the line, centered on the pipe alignment. Based on proposed depths near the southwest corner of the Birkdale Court and University Club property, dedicated easements are needed to meet these requirements.**
 - d. **Identify all of the existing and/or proposed easements west of the site to encompass all of the proposed sanitary sewer utility work.**
 - e. **The Iowa City wastewater and engineering departments are still evaluating the sanitary sewer between Sanitary MH #3 and MH #4. This segment is very near the existing retaining wall and handrail of the wide sidewalk on the north side of Melrose, as well as a proposed vehicular guard rail along the curb. There are concerns about future costs of maintenance and repair of this section due to the proximity of these structures.**
 - f. **Provide additional information on the proposed vehicular guard rail along the north curb of Melrose Avenue; what type of structure is this intended to be?**
10. If the sanitary sewer line through the site is to be public, a dedicated sanitary sewer easement needs to be provided. This appears to be included, provide confirmation of the easement type and width.
 - a. The proposed sanitary sewer easement is 20 foot wide. An easement plat will be prepared and submitted when the construction plans are submitted. (MMS, 7/7/11)

- b. The 20-foot wide sanitary sewer easement is to end 10-feet north of Sanitary MH #4. The remaining pipe and manhole to the north will be a private service line for the back building. Plans have been revised. (S-H, 8/5/11)
- 11. If the sanitary sewer line is to be public, there needs to be a minimum cover of 5 to 5.5-feet over the sewer line. Sanitary manhole #4 is very close to this minimum cover requirement, and sanitary manhole #5 does not meet this requirement. Additional cover is needed at the north end of this line.
 - a. The sanitary sewer is installed as flat as allowed by IDNR standards. We recognize that it is shallower than would be desired. The two concerns with the shallow pipe would be protecting the pipe from damage and protecting it from freezing. The shallow sewer pipe is specified to be ductile iron pipe to protect from damage. The pipe will be installed with insulation to prevent it from freezing. (MMS, 7/7/11)
 - b. With the public sewer line ending at Sanitary MH #4, the rest of this line to the north will be private. It should be sufficiently deep to prevent freezing, either with additional cover or other methods. (S-H, 8/5/11)
- 12. Based on the proposed connection of sanitary sewer to the west, the current system can handle the flows from the proposed development.
 - a. Based on the meetings we had with the Iowa City Wastewater Department we agree with this comment. (MMS, 7/7/11)
 - b. No additional comment. (S-H, 8/5/11)
- 13. The proposed sanitary sewer connects to an existing manhole at the south edge of the Athletic Club parking lot. The sanitary sewer from Birkdale Court also enters this manhole. It should be verified that there is not a conflict with these two services entering the structure at the same location.
 - a. The manhole will be removed and replaced with manhole that can accommodate both pipes. Details will be provided with the construction plans. (MMS, 7/7/11)
 - b. Plans revised. Specific details are required with construction plans. (S-H, 8/5/11)
- 14. Construction and materials of the sanitary sewer, structures, and connections to be according to City of Iowa City standards.
 - a. The construction plans will show materials and installation in accordance with the City of Iowa City standards. (MMS, 7/7/11)
 - b. No additional comment. (S-H, 8/5/11)

STORM SEWER

- 15. The drainage calculations submitted for the proposed development acknowledge the city's Post-Construction Storm Water Runoff Control Ordinance (#169) as the design guidelines for the site design, and are based on the "Iowa Stormwater Management Manual" (this ordinance adopted this manual as the storm water management standards of the City of University Heights).
 - a. We acknowledge this comment. (MMS, 7/7/11)

- b. **No additional comment. (S-H, 8/5/11)**
16. We recommend that the watersheds of the existing site (pre-developed condition) be revised into four quadrants (N, E, NW, SW) per the attached sketch to reflect the natural drainage patterns. The actual division of roof runoff from the existing church should be verified.
- a. The watersheds for the existing conditions have been looked at with four quadrants. (MMS, 7/7/11)
 - b. **Storm water calculations have been revised. (S-H, 8/5/11)**
17. Please include the “channel length” alignments on the pre- and post-developed maps for review, as well as the source data for curve number values and Manning’s n roughness coefficients.
- a. A revised map showing the channel length has been submitted. Curve numbers were determined by the impervious areas shown in the drainage calculations. (MMS, 7/7/11)
 - b. **Maps have been revised, source data included. (S-H, 8/5/11)**
18. We agree that the existing east ravine area can be left out of the calculations of pre and post-development, as it is to remain the same before and after.
- a. We acknowledge this comment. (MMS, 7/7/11)
 - b. **No additional comment. (S-H, 8/5/11)**
19. We recommend that the sum of the pre-developed watershed areas equal the sum of the post-development watershed areas so that an equal comparison can be made when reviewing pre and post-development run-off rates.
- a. The calculations have been revised so the sum of the pre developed watershed areas and the post developed watershed areas are the same. (MMS, 7/7/11)
 - b. **Calculations have been revised. (S-H, 8/5/11)**
20. We recommend that the maximum allowable release rate for the east and northwest ravines (the two locations where collected water is proposed to be released) be based on the “East” and “Northwest” watershed areas. The “North” and “Southwest” watersheds do not discharge to these same points, and therefore shouldn’t be included in the pre-development condition.
- a. The maximum allowable release rate for the east and northwest ravines has been revised to be based on the East and Northwest watershed areas. (MMS, 7/7/11)
 - b. **Calculations have been revised. (S-H, 8/5/11)**
21. We recommend that an updated post-development watershed drawing be submitted with the current storm sewer layout and routing. Update any calculation sheets as necessary.
- a. An updated post-development watershed drawing will be submitted. (MMS, 7/7/11)
 - b. **Updated drawing has been submitted. (S-H, 8/5/11)**

22. The storm water detention design (underground 60" diameter RCP pipes) detains the water for extended periods of time. This addresses water quality by allowing sedimentation to occur (removal of suspended particles from the water column by gravitational settling). How are these structures to be maintained to prevent clogging and blockage of the outlet orifices since the diameters are so small (0.75-inch, 1.75-inch, 3-inch)? The Landowner or Developer will be responsible for maintaining the storm water facilities in an effective state for 25-years after completion of construction.
- The storm water management maintenance agreement will detail how the structures will be maintained. The stormwater management maintenance agreement will be submitted with the construction plans. (MMS, 7/7/11)
 - As noted, the Landowner or Developer will be responsible to maintain the storm water facilities in an effective state for 25-years after completion of construction. (S-H, 8/5/11)
23. There are a number of required submittals included in Ordinance 169, including the Stormwater Management Plan (169.10), Maintenance and Repair Plan (169.10), Landscaping Plan (169.10), Drainage and Design Calculations (169.11), As-Built Plans (169.11), recorded permanent Maintenance Easements ensuring access to all stormwater BMP's at the site for the purpose of inspection and repair (169.12), and permanent recorded Maintenance Agreements (169.12). With the exception of the as-built plans, all of these will be required before a construction site permit would be issued.
- These items will be submitted with the detailed construction plans. (MMS, 7/7/11)
 - No additional comment. (S-H, 8/5/11)
24. Additional dedicated easements should be shown around the storm water BMP's and outlet structures for maintenance, inspection and repair.
- Easements have been added to the storm sewer. An easement plat will be prepared and submitted when the construction plans are submitted. (MMS, 7/7/11)
 - Storm Water Management Easements have been shown around the two underground detention facilities on the site. Depending on final design and elevations of these facilities, the exact dimensions of the easements will be determined to ensure sufficient area for any repair or replacement work. (S-H, 8/5/11)
25. We recommend that consideration be given to up-sizing all the storm sewer on the south side of the front building to 10-inch diameter, and potential re-routing or clean-outs due to the underground bends and tees that occur outside of the intake structures.
- The 8 inch storm sewer has been changed to 10 inch storm sewer. The bends and tees were included to protect the existing trees. Cleanouts have been added to the tee and bend. (MMS, 7/7/11)
 - Plans have been revised. (S-H, 8/5/11)
26. Drainage Manhole #2 and #3 have inlet pipes with steep slope and potential for high-velocity inlet flow. Provide manhole design for these structures as needed to handle forces.
- This detail will be included when the construction plans are submitted. (MMS, 7/7/11)

- b. Structures will need to be reviewed when further detail is submitted. (S-H, 8/5/11)
27. What erosion control measures are being considered for the storm sewer flared end outlets? They should be designed based on the worst case scenario where the stage outlets are plugged and the water flows over the internal weir structures.
- a. The section of storm sewer with the flared end sections is oversized to create lower water velocities leaving the flared end sections. The expected water velocity leaving the FES is approximately 5 feet per second. The rip rap shown at the end of the FES can handle this velocity and will disperse the concentrated flow. (MMS, 7/7/11)
 - b. The outlet protection needs further review when detail is submitted. (S-H, 8/5/11)
28. The plans indicate no storm intakes to be constructed on the realigned portion of Sunset Street; water is to flow in the gutters to the north. Drainage calculations will need to be provided confirming there is no need for storm intakes along this street.
- a. There are no existing intakes on Sunset Street north of Melrose or Grand Avenue. The street realignment takes place at the high point of Sunset Street. If the city wants intakes on these streets the better location would be farther north away from the high point. The outlet for storm intakes if added would need to discharge into the east ravine. (MMS, 7/7/11)
 - b. No additional comment. (S-H, 8/5/11)

MID-AMERICAN ENERGY

Combined review comments on gas and electric services provided by City Engineer Josiah Bilskemper and Mid-American Energy (MAE) Customer Technician Butch Forbes.

Additional plan review held with Butch Forbes. (S-H, 8/5/11)

Existing Conditions Plan (Page 3)

29. This sheet indicates there are two 20-foot wide existing easements (Iowa-Illinois Gas and Electric) running north and south across the existing property. These may have been released at some time in the past. If there is documentation that these are still legally in place, a copy could be submitted to MAE for review to determine if they could now be released.
- a. This will be addressed when the construction plans are submitted. (MMS, 7/7/11)
 - b. No additional comment. (S-H, 8/5/11)
30. The existing gas line shown running along the north side of Melrose Avenue continues east past Sunset Street, and is a 100-lb gas main that is dedicated to the UI Power Plant.
- a. We acknowledge this comment. (MMS, 7/7/11)
 - b. No additional comment. (S-H, 8/5/11)

31. There is an existing gas main running along the south side of Melrose Avenue that is not shown on the Plan. This line continues east along Melrose Avenue beyond Sunset Street, and also runs south along the east side of Sunset Street.
 - a. This gas main on the south side of Melrose has been added to the plan. (MMS, 7/7/11)
 - b. Plans have been revised. There is an existing gas main running south on the east side of Sunset Street to be identified with construction plans. (S-H, 8/5/11)
32. The existing gas main shown on the east side of Sunset Street north of Melrose Avenue (in front of Kathy Belgum's home) continues south across the Melrose intersection, and connects to the aforementioned gas line on the south side of Melrose Avenue. It does not connect to the high-pressure gas main on the north side of Melrose Avenue.
 - a. The plans have been revised to show this gas main. (MMS, 7/7/11)
 - b. Plans have been revised. (S-H, 8/5/11)
33. The existing gas service to the church building comes from the southeast corner of the Melrose and Sunset intersection; it is not tied into the north side gas main as shown.
 - a. The plans have been revised to show the correct gas service location. (MMS, 7/7/11)
 - b. Plans have been revised. (S-H, 8/5/11)
34. An underground electric line is shown running across the north end of the east ravine. MAE is not aware of any service on this alignment.
 - a. This line has been removed from the plans. (MMS, 7/7/11)
 - b. Plans have been revised. (S-H, 8/5/11)
35. The electric service to the current building comes from the overhead pole shown just east of the building.
 - a. The plans have been revised to show this service. (MMS, 7/7/11)
 - b. Plans have been revised. (S-H, 8/5/11)

Utility Plan (Page 7)

36. Gas

- a. The gas service will need to be connected to the gas main that runs along the south side of Melrose Avenue.
 - i. The plans have been revised to show the gas service connecting to the main on the south side of Melrose Avenue. (MMS, 7/7/11)
 - ii. Plans have been revised. (S-H, 8/5/11)
- b. The gas line will need to have a 10-foot minimum utility easement as it runs through the site.

- i. The plans have been revised to show a 10 foot utility easement. An easement plat will be prepared and submitted when the construction plans are submitted. (MMS, 7/7/11)
 - ii. Plans have been revised to show the gas and electric sharing a 12-foot utility easement, this is acceptable to MAE. (S-H, 8/5/11)
- c. The gas line will need to be offset a minimum of 5-feet from the water main.
 - i. The gas line is a minimum of 5 feet from the water main. (MMS, 7/7/11)
 - ii. No additional comment. (S-H, 8/5/11)
- d. Once the gas loads are known for each building, this information can be submitted to MAE, and they will conduct a “system study” to verify that they can serve the development off the existing gas mains. If any upgrades are needed, the size of the gas main on the south side of Melrose Avenue would need to be upsized back to the Melrose Border Station located west of Mormon Trek Boulevard.
 - i. This will be looked at when final building plans are submitted. (MMS, 7/7/11)
 - ii. No additional comment. (S-H, 8/5/11)
- e. The results of the “system study” will also verify the required size of the transformers on site. At minimum, these are anticipated to be 10’x10’ concrete pads, with a transformer 6 to 7-feet in height.
 - i. This will be looked at when final building plans are submitted. (MMS, 7/7/11)
 - ii. No additional comment. (S-H, 8/5/11)
- f. The gas main should extend all the way to the north property line along the west entry drive. The gas service line would be sized to handle future development to the north if it were ever to be extended.
 - i. The plans have been revised showing the gas and electric extended to the north property line. (MMS, 7/7/11)
 - ii. No additional comment. (S-H, 8/5/11)
- g. It is possible that if an occupant has a high required gas load (i.e. some types of restaurants), they would require a large size meter set, which would require additional space.
 - i. This will be looked at when the final building plans are submitted. (MMS, 7/7/11)
 - ii. No additional comment. (S-H, 8/5/11)

37. Electric

- a. The overhead lines along Melrose Avenue are a major feeder circuit, therefore it is anticipated that the existing lines can provide the development with electric service.

- i. We acknowledge this comment. (MMS, 7/7/11)
 - ii. **No additional comment. (S-H, 8/5/11)**
- b. The electric service will need to have a 10-foot minimum utility easement as it runs through the site. The gas and electric service can share the same trench and the same utility easement when they are together.
 - i. The plans have been revised to show a 10 foot utility easement. An easement plat will be prepared and submitted when the construction plans are submitted. (MMS, 7/7/11)
 - ii. **The gas and electric service share a 12-foot utility easement along the west access drive. The loop run across the site has a 5-foot utility easement. This is acceptable to MAE. (S-H, 8/5/11)**
- c. Regarding the easements, it is an option to declare the type and width of utility easements to be provided, show the anticipated alignments on the drawing, and then actually draft the easements based on the “as-built” location of these utilities as they are being installed.
 - i. An easement plat will be prepared and submitted when the construction plans are submitted. (MMS, 7/7/11)
 - ii. **No additional comment. (S-H, 8/5/11)**
- d. The electric service will not be able to connect as shown to the existing pole on the south side of Melrose Avenue because it has an overhead transformer and can't be used for a high voltage riser. A new pole would need to be set, probably to the east between the two existing poles, and service would come from this location.
 - i. A new pole has been added to the plan for electric service. (MMS, 7/7/11)
 - ii. **Plans have been revised. (S-H, 8/5/11)**
- e. The electric service needs to be loop feed. There will also need to be a connection to the new overhead utility pole shown at the northeast corner of the realigned intersection.
 - i. The plans have been revised to show a looped feed. (MMS, 7/7/11)
 - ii. **A loop feed has been shown, with an additional pole installed at the southeast corner of the Sunset intersection. (S-H, 8/5/11)**
- f. The electric meters will need to be near the transformers. Adjust the transformer location as needed depending on the location inside or outside each building where the meters are to be installed.
 - i. The developer wants the transformers to be located as shown to allow for plantings to provide screenings. The final building plans will show the meter locations. (MMS, 7/7/11)

- ii. Significant cost increase is expected with increased distance between meters and transformer. (S-H, 8/5/11)
- g. Continuous HDPE conduit will be required for the electric lines around the site.
 - i. Construction plans will show HDPE conduit for electric lines. (MMS, 7/7/11)
 - ii. No additional comment. (S-H, 8/5/11)
- h. Conduit for electric service is to be 42 to 48-inches below grade.
 - i. The construction plans will show 42 to 48 inch bury depth. (MMS, 7/7/11)
 - ii. No additional comment. (S-H, 8/5/11)

38. Meters

- a. Gas meters can be stacked in rows of two; electric meters can be stacked in rows of four. This applies whether they are placed on the outside or inside of the building.
 - i. We acknowledge this comment. Meter locations will be shown on the final building plans. (MMS, 7/7/11)
 - ii. No additional comment. (S-H, 8/5/11)
- b. There will need to be a gas meter and electric meter for each tenant.
 - i. We acknowledge this comment. Meter locations will be shown on the final building plans. (MMS, 7/7/11)
 - ii. No additional comment. (S-H, 8/5/11)
- c. If meters are placed inside the building, they will be at the bottom level of each building (parking areas). Depending on the number of gas and electric meters (and possibly water meters) placed inside in the parking areas, a number of parking spaces may be lost.
 - i. We believe there is more than adequate space available to include meters without loss of parking spaces. (MMS, 7/7/11)
 - ii. No additional comment. (S-H, 8/5/11)
- d. If gas meters are placed inside the building, the service line will have to come above grade outside the building and into the regulator before it goes inside the building to the various meters.
 - i. We acknowledge this requirement. (MMS, 7/7/11)
 - ii. No additional comment. (S-H, 8/5/11)

39. General Comments

- a. Gas and electric lines should not be routed under retaining walls, maintain 3-foot clearance from these structures.
 - i. The plans have been revised to show the gas and electric lines 3 feet from the retaining wall. (MMS, 7/7/11)
 - ii. **The gas and electric line cross one retaining wall at the north end of the site. A sleeve should be provided for these services if they are running through the wall structure. (S-H, 8/5/11)**

- b. One of the challenges of the proposed site regarding electric facilities is the realignment of the intersection. The current overhead pole on the north side of the intersection provides service to the existing traffic signals. This pole sits in the middle of what would be the realigned street. There is a new overhead pole shown at the northeast corner of the intersection, which is in the same general location where one of the new traffic signal masts is likely to be located. When traffic signals include overhead lights, this typically conflicts with the overhead utility lines. Higher utility poles or different alignments may be needed.
 - i. The details of the pole heights to avoid conflicts will be shown on the detailed construction plans. (MMS, 7/7/11)
 - ii. **Plans have been revised, eliminating proposed overhead utility pole at the northeast corner of the intersection. There are still overhead utility lines along the south side of Melrose to address with regard to new traffic signal installation. (S-H, 8/5/11)**

- c. Other options for providing electric service and/or eliminating overhead poles at this location may be considered, but involve many other factors, including the possibility of needing to obtain additional right-of-way, obtaining utility easements from private property owners, or both. Other issues to be addressed when moving overhead electric to underground is the placement of above ground transformer boxes, as well as the rewiring of existing homes who currently have overhead service that would need to be converted to underground service.
 - i. The developer does not intend on eliminating the existing overhead poles on the south side of Melrose. (MMS, 7/7/11)
 - ii. **No additional comment. (S-H, 8/5/11)**

- d. Additional coordination will be required to maintain temporary power to the site during the construction period (until the new service lines are installed and functional).
 - i. The detailed construction plans will show coordination with MAE to maintain temporary power to the site. (MMS, 7/7/11)
 - ii. **No additional comment. (S-H, 8/5/11)**

Please let me know if you have any question, thanks for your time.

JDB