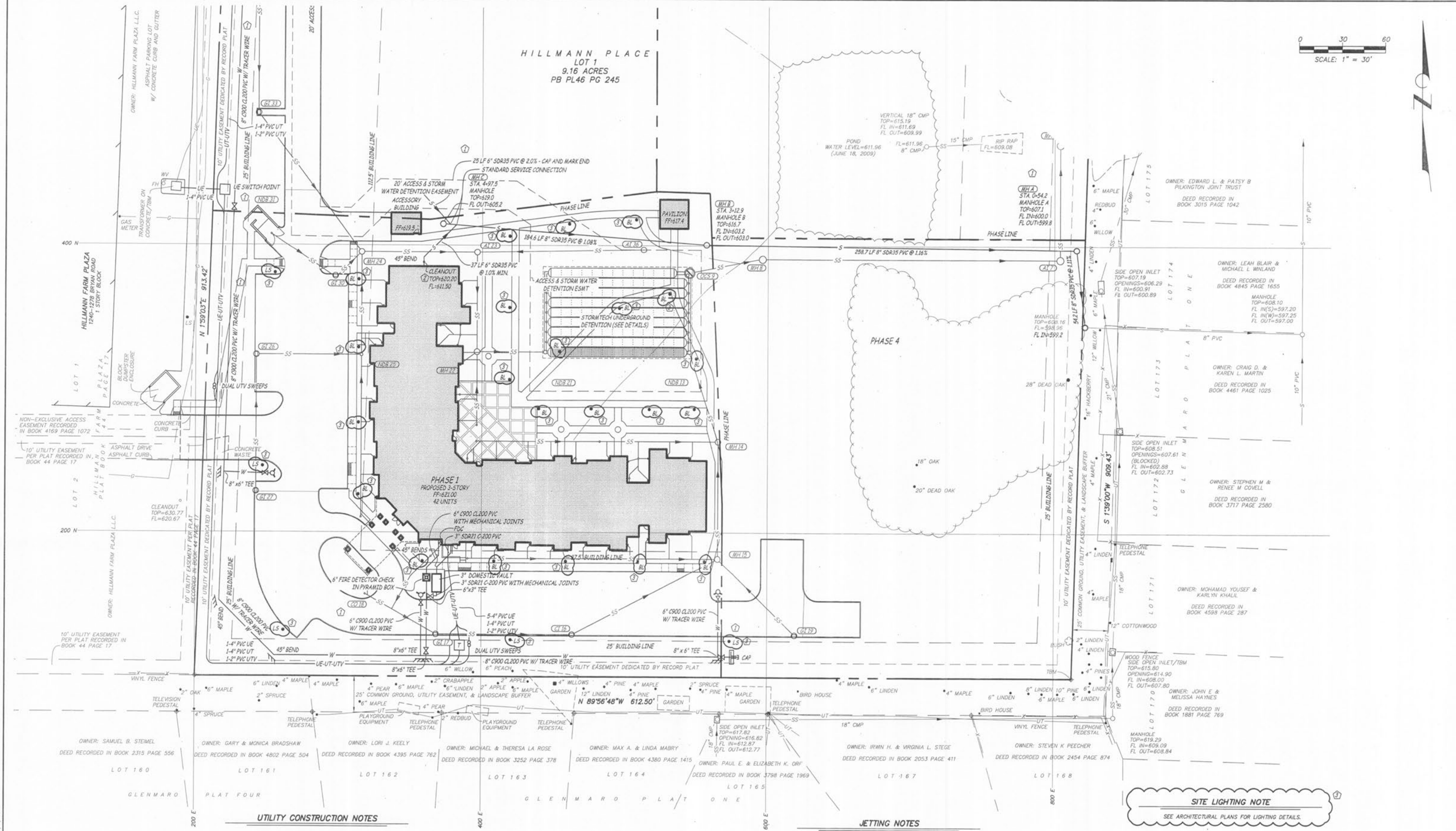
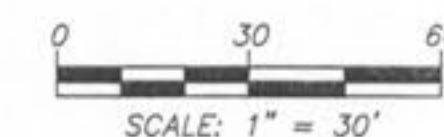


HILLMANN PLACE
LOT 1
9.16 ACRES
PB PL46 PG 245



UTILITY CONSTRUCTION NOTES

JETTING NOTES

SITE LIGHTING NOTE
SEE ARCHITECTURAL PLANS FOR LIGHTING DETAILS.

1. LOCATION OF SITE UTILITIES SHALL BE VERIFIED BY CONTRACTOR AND THE PROPER UTILITY COMPANY PROVIDING SERVICE PRIOR TO THE START OF CONSTRUCTION.
2. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
3. UTILITY TIE-INS ARE SHOWN IN APPROXIMATE LOCATIONS. REFER TO MEP FOR EXACT TIE-IN OF ALL UTILITIES.
4. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE SPECIFICATIONS OF PUBLIC WATER SUPPLY DISTRICT #2, AMERENUE, CENTURYLINK, CHARTER, AND CITY OF O'FALLON PUBLIC WORKS WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER, ELECTRIC CONDUITS, TELEPHONE CONDUITS, AND SEWER LINES, RESPECTIVELY.
5. UTILITY CONTRACTOR WILL BE RESPONSIBLE FOR ALL TAP AND TIE IN FEES REQUIRED, AS WELL AS COST OF UNDERGROUND SERVICE CONNECTIONS TO THE BUILDING.
6. ALL WATER AND SANITARY LEADS TO BUILDING SHALL END 5' OUTSIDE THE BUILDING LIMITS AS SHOWN ON PLAN AND SHALL BE PROVIDED WITH A TEMPORARY PLUG AT END, VISIBLE ABOVE FINISHED GRADE.
7. ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS. BACKFILL OF TRENCHES THROUGH ANY IMPROVED AREAS, SUCH AS STREET, DRIVES OR PARKING LOTS SHALL BE COMPACTED AS NOTED IN THE GRADING AND DRAINAGE NOTES.

8. CONTRACTOR SHALL PROVIDE AND INSTALL ALL CONDUITS FOR UNDERGROUND TELEPHONE AND TELEVISION. ELECTRIC CONDUIT PIPING SHALL BE PROVIDED BY AMERENUE AND INSTALLED BY CONTRACTOR.
9. AMERENUE WILL PULL CONDUCTORS, PROVIDE AND INSTALL SWITCHPOINTS AND TRANSFORMERS INCLUDING PADS. CONDUCTORS FROM THE TRANSFORMER TO THE BUILDING SHALL BE THE RESPONSIBILITY OF THE BUILDING CONTRACTOR.
10. ALL UNDERGROUND UTILITY CONDUITS SHALL BE PLACED 48\"/>
- 11. CONDUIT SHALL BE SCHEDULE 40 PVC WITH LONG SWEEPS ONLY (36\"/>
- 12. CONTRACTOR SHALL INSTALL ALL SWEEPS WHERE SHOWN. CENTURYLINK AND CHARTER WILL PULL WIRES AND SET PEDESTALS.
- 13. ALL LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING. APPROVAL SHALL BE BY OWNER AND CORRESPONDING UTILITY COMPANY.
- 14. ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH OF 3000 P.S.I.
- 15. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODE AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE.

1. JETTING. GRANULAR MATERIALS AND EARTH MATERIALS ASSOCIATED WITH NEW CONSTRUCTION BEYOND THE PAVEMENT MAY BE JETTED, TAKING CARE TO AVOID DAMAGE TO NEWLY LAID SEWERS. THE JETTING SHALL BE PERFORMED WITH A PROBE ROUTE ON NOT GREATER THAN SEVEN AND ONE-HALF (7.5) FOOT CENTERS WITH THE JETTING PROBE CENTERED OVER AND PARALLEL WITH THE DIRECTION OF THE PIPE. TRENCH WIDTHS GREATER THAN TEN (10) FEET WILL REQUIRE MULTIPLE PROBES EVERY SEVEN AND ONE-HALF (7.5) FOOT CENTERS.
 - A. DEPTH. TRENCH BACKFILL LESS THAN EIGHT (8) FEET IN DEPTH SHALL BE PROBED TO A DEPTH EXTENDING TO HALF THE DEPTH OF THE TRENCH BACKFILL, BUT NOT LESS THAN THREE (3) FEET. TRENCH BACKFILL GREATER THAN EIGHT (8) FEET IN DEPTH SHALL BE PROBED TO HALF THE DEPTH OF THE TRENCH BACKFILL BUT NOT GREATER THAN EIGHT (8) FEET.
 - B. EQUIPMENT. THE JETTING PROBE SHALL BE A METAL PIPE WITH AN EXTERIOR DIAMETER OF ONE AND ONE-HALF (1.5) TO TWO (2) INCHES.
 - C. METHOD. JETTING SHALL BE PERFORMED FROM THE LOW SURFACE TOPOGRAPHIC POINT AND PROCEED TOWARD THE HIGH POINT, AND FROM THE BOTTOM OF THE TRENCH BACKFILL TOWARDS THE SURFACE. THE FLOODING OF EACH JETTING PROBE SHALL BE STARTED SLOWLY ALLOWING SLOW SATURATION OF THE SOIL. WATER IS NOT ALLOWED TO FLOW AWAY FROM THE DITCH WITHOUT FIRST SATURATING THE TRENCH.
 - D. SURFACE BRIDGING. THE CONTRACTOR SHALL IDENTIFY THE LOCATIONS OF THE SURFACE BRIDGING (THE TENDENCY FOR THE UPPER BACKFILL CRUST TO ARCH OVER THE TRENCH RATHER THAN COLLAPSE AND CONSOLIDATE DURING THE JETTING PROCESS). THE CONTRACTOR SHALL BREAKDOWN THE BRIDGED AREAS USING AN APPROPRIATE METHOD SUCH AS WHEELS OR BUCKET OF A BACKHOE. WHEN THE SURFACE CRUST IS COLLAPSED, THE VOID SHALL BE BACKFILLED WITH THE SAME MATERIAL USED AS A BACKHOE. COMPACTION OF THE MATERIALS WITHIN THE SUNKEN/JETTED AREA SHALL BE COMPACTED SUCH THAT NO FURTHER SURFACE SUBSIDENCE OCCURS.

PLANNING & DEVELOPMENT #1709.03 APPROVED JANUARY 7, 2010

	UTILITY PLAN HILLMANN PLACE ST. CHARLES COUNTY, O'FALLON, MISSOURI	
	Surveyed: JP Drawn: BR Checked: MK	
MATTHEW A. KRIETE PROFESSIONAL ENGINEER PE-2007002811	Scale 1" = 30'	Date JUNE 4, 2010
	Job 11481	Sheet C112

P:\COURTESY\TOP\HILLMANN\DESIGN\1514681\SITE PLAN.DWG 10/29/2010