

GRADING NOTES:

- Underground facilities, structures and utilities have been plotted from available surveys, records and information, and, therefore, do not necessarily reflect the actual existence, non-existence, size, type, depth, number or location of these facilities, structures and utilities. The Contractor shall be responsible for verifying the actual location of all underground facilities, structures and utilities, either shown or not shown on these plans. The underground facilities, structures and utilities shall be located in the field prior to any grading, excavation or construction of improvements. These provisions shall in no way absolve any party from complying with the Underground Facility Safety and Damage Prevention Act, Chapter 319, RSMo.
- Prior to the submittal of his bid, the Contractor shall visit the project site and become familiar with existing conditions, project limits, points of access, existing utilities, construction obstacles, and the scope of the work. No allowance will be given to the Contractor as a result of his unfamiliarity with site conditions.
- Contractor shall obtain all local, State, and Federal permits associated with his work.
- Contractor shall be responsible for determining the amount of excavation and fill necessary to bring the project site to final grade and include same in his bid. All excavations and fills will be balanced on site and no haul-on or haul-off of earth materials will be required or permitted. The grading quantities shown on these plans are the estimate of the Engineer as required by the City and shall not be used for bidding.
- Final grading shall be performed to within 0.1 feet, plus or minus, of proposed finish grade.
- Contractor shall scarify existing soils to a depth of eight inches, compact, and proof roll all areas prior to placement of any fill. Any areas that exhibit excessive rutting or pumping shall be undercut and replaced with suitable fill, and compacted in lifts to the required density. Contractor shall include in his bid, removing up to 12" of existing soil in the existing swale and using to top dress the fill slope.
- Fills materials shall be spread in horizontal layers, not exceeding eight inches in thickness, and mechanically compacted to at least 90 percent of optimum dry density as determined by the Modified Proctor test (ASTM D 1557). Moisture shall be added and mixed into the soil layers as may be required to attain the required desired moisture content and density. Soils may need to be scarified and allowed to dry in order to remove excess moisture.
- Parking on non-surfaced areas is prohibited in order to eliminate the condition whereby mud from construction and employee vehicles is tracked onto the pavement causing hazardous roadway and driving conditions. Contractor shall keep road clear of mud and debris.
- No excavation shall be made so close to the property line as to endanger any adjoining property of any public or private street without supporting and protecting such public or private street or property from settling, cracking or other damage.
- All trash and debris on-site, either existing or from construction, must be removed and properly disposed of off-site.
- All excavations, grading or filling shall have a finished grade not to exceed a 3:1 sloped (33%), unless specifically approved otherwise.
- Based on Flood Insurance Map published by FEMA the 100 year flood plain elevation is 460.60. The map number is 29183C0230 T, dated March 17, 2003.
- Access to the site from any location other than the proposed construction entrance is strictly prohibited.
- All grading equipment will be brought to and removed from the site on trailers.
- The Contractor will be responsible for ensuring that mud and debris will not be tracked out onto Wayland Drive. Wayland Drive will be monitored throughout each working day and cleaned as necessary until construction is complete.

Earthwork Volumes for House (excludes driveway)

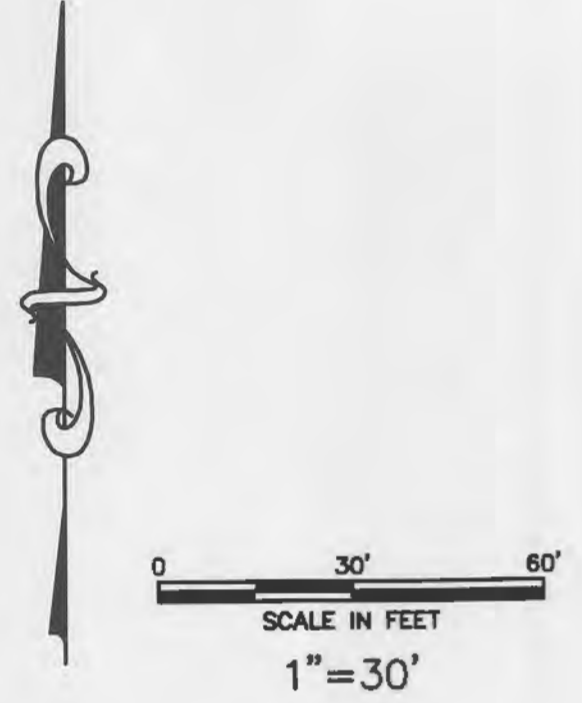
Cut = 1494 cy
 Fill = 495 cy
 Shrinkage (18%) = 89 cy
 Surplus Cut = 910 cy
 Cut below BFE (460.6) = 488 cy
 Fill below BFE = 0



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SILTATION CONTROL NOTES

- Erosion and siltation control shall be installed prior to any grading and be maintained throughout the project until acceptance of the work by the Owner and adequate vegetative growth insures no further erosion of the soil. All protective measures shall be installed downslope of every location where the original ground is to be disturbed.
- Storm water pipes, outlets and channels shall be protected by silt barriers and kept free of waste and silt at all times prior to final surface stabilization and/or paving.
- Storm water pipes shall be protected by silt barriers and kept free of waste and silt at all times prior to final surface stabilization.
- Damage to offsite streets and downstream properties due to soil erosion or siltation shall be prevented by erecting silt barriers or basins, or by utilizing similar devices to effect soil stabilization prior to the start of any grading operations.
- All other areas disturbed by grading operations shall be stabilized by seeding and mulching as soon as possible.

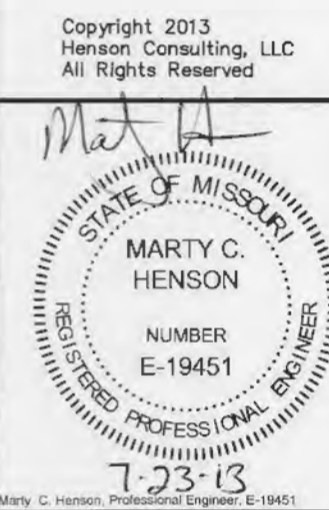


HYLAND GREEN PLAT #1
 P.B. 42 PGS. 46-48

REVISIONS			
2	7-23-13	MCH	City comments dated 7-18-13
1	7-1-13	MCH	Revised contours to balance earthwork below 100 yr. flood elevation

GRADING PLAN
Hyland Green Plat #1 Common Ground

1600 Kech Road St. Charles, MO 63386
 Prepared for:
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Designed	MCH
Drawn	MCH
Checked	MCH
Date	April 18, 2013
Project Number	12001
Sheet Number	3 of 9