

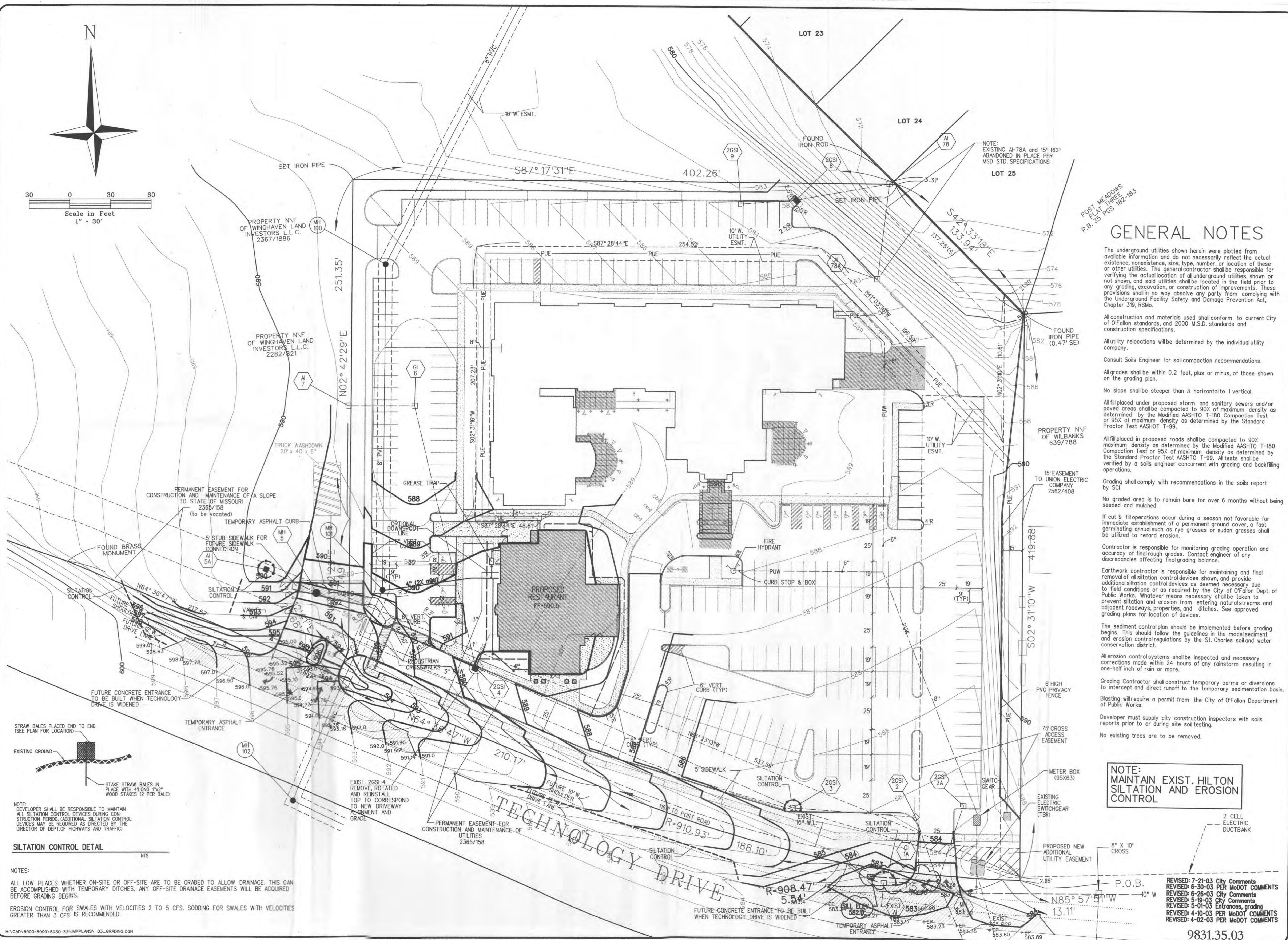
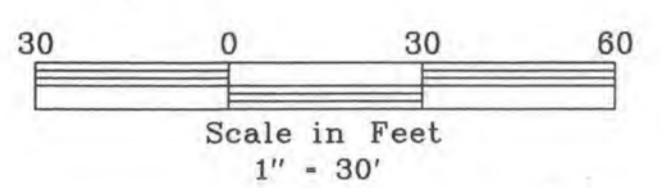


AT WINGHAVEN

**BRISTOL**

GRADING PLAN

Design By: J.A.F.  
Drawn By: J.R.S.  
Checked By: J.A.F.  
Base Map No. XX-XX  
P. \* XXXXX-XX  
5930-33



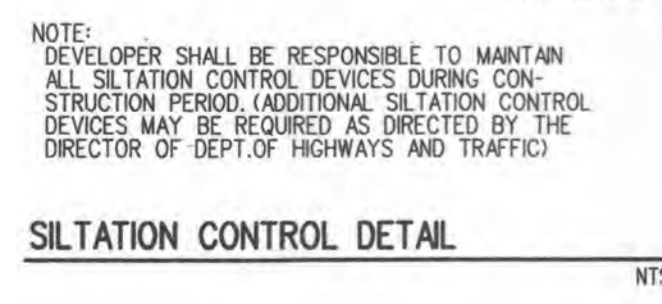
**GENERAL NOTES**

- The underground utilities shown herein were plotted from available information and do not necessarily reflect the actual existence, nonexistence, size, type, number, or location of these or other utilities. The general contractor shall be responsible for verifying the actual location of all underground utilities, shown or not shown, and said 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.
- All construction and materials used shall conform to current City of O'Fallon standards, and 2000 M.S.D. standards and construction specifications.
- All utility relocations will be determined by the individual utility company.
- Consult Soils Engineer for soil compaction recommendations.
- All grades shall be within 0.2 feet, plus or minus, of those shown on the grading plan.
- No slope shall be steeper than 3 horizontal to 1 vertical.
- All fill placed under proposed storm and sanitary sewers and/or paved areas shall be compacted to 90% of maximum density as determined by the Modified AASHTO T-180 Compaction Test or 95% of maximum density as determined by the Standard Proctor Test AASHTO T-99. All tests shall be verified by a soils engineer concurrent with grading and backfilling operations.
- All fill placed in proposed roads shall be compacted to 90% maximum density as determined by the Modified AASHTO T-180 Compaction Test or 95% of maximum density as determined by the Standard Proctor Test AASHTO T-99. All tests shall be verified by a soils engineer concurrent with grading and backfilling operations.
- Grading shall comply with recommendations in the soils report by SCI.
- No graded area is to remain bare for over 6 months without being seeded and mulched.
- If cut & fill operations occur during a season not favorable for immediate establishment of a permanent ground cover, a fast germinating annual such as rye grasses or sudan grasses shall be utilized to retard erosion.
- Contractor is responsible for monitoring grading operation and accuracy of final rough grades. Contact engineer of any discrepancies affecting final grading balance.
- Earthwork contractor is responsible for maintaining and final removal of all siltation control devices shown, and provide additional siltation control devices as deemed necessary due to field conditions or as required by the City of O'Fallon Dept. of Public Works. Whatever means necessary shall be taken to prevent siltation and erosion from entering natural streams and adjacent roadways, properties, and ditches. See approved grading plans for location of devices.
- The sediment control plan should be implemented before grading begins. This should follow the guidelines in the model sediment and erosion control regulations by the St. Charles soil and water conservation district.
- All erosion control systems shall be inspected and necessary corrections made within 24 hours of any rainstorm resulting in one-half inch of rain or more.
- Grading Contractor shall construct temporary berms or diversions to intercept and direct runoff to the temporary sedimentation basin.
- Blasting will require a permit from the City of O'Fallon Department of Public Works.
- Developer must supply city construction inspectors with soils reports prior to or during site soil testing.
- No existing trees are to be removed.

**NOTE: MAINTAIN EXIST. HILTON SILTATION AND EROSION CONTROL**

REVISED: 7-21-03 City Comments  
REVISED: 6-30-03 PER MODOT COMMENTS  
REVISED: 6-26-03 City Comments  
REVISED: 5-18-03 City Comments  
REVISED: 5-01-03 Entrances, grading  
REVISED: 4-10-03 PER MODOT COMMENTS  
REVISED: 4-02-03 PER MODOT COMMENTS

9831.35.03



**SILTATION CONTROL DETAIL**

NOTES:  
ALL LOW PLACES WHETHER ON-SITE OR OFF-SITE ARE TO BE GRADED TO ALLOW DRAINAGE. THIS CAN BE ACCOMPLISHED WITH TEMPORARY DITCHES. ANY OFF-SITE DRAINAGE EASEMENTS WILL BE ACQUIRED BEFORE GRADING BEGINS.  
EROSION CONTROL FOR SWALES WITH VELOCITIES 2 TO 5 CFS. SODDING FOR SWALES WITH VELOCITIES GREATER THAN 3 CFS IS RECOMMENDED.