



PROPERTY N/F OF  
 Mary Dickherber  
 457 / 120

PROPERTY N/F OF  
 Fred J. & Agnes Loeffler  
 298 / 113



- General Notes
1. A Professional Engineer shall be employed by the owner and by the site during grading operations.
  2. The contractor shall perform a complete grading and compaction operation as shown on the plans and in these notes or reasonably implied therefrom. All in accordance with the notes and notes as indicated by the professional engineer.
  3. The contractor shall notify the Soil Engineer at least 10 days in advance of the start of the grading operation.
  4. All areas will be allowed to drain. All low points should be provided with temporary ditches.
  5. A detailed soil test plan that includes monitored and unmonitored surface water runoff and/or other water should be implemented as soon as possible. No graded area is to be allowed to remain bare over the winter without being mulched and matted. Care should be exercised to prevent soil from causing adjacent property and filling up existing downstream storm drainage systems.
  6. Debris and foundation material from any existing on-site buildings or structures which is scheduled to be used for this development must be disposed off-site or buried on-site.
  7. Any existing trash and debris currently on this property must be removed and disposed of off-site or buried on-site.

PROPERTY N/F OF  
 Mary Dickherber  
 457 / 120

8. Soft soils in the below site shall be removed, spread out and permitted to dry naturally to be used as fill. None of this material should be placed in proposed public right-of-way locations or adjacent sewer locations.
  9. Site preparation includes the clearing of all stumps, limbs, brush, stumps, and weeds; the grubbing and removal of stumps and other surface obstructions from the site; and the demolition and removal of any foundation structures. The remaining material shall be properly disposed of off-site. Topsoil shall be placed in the fill areas and be thoroughly mixed prior to the placement of any fill. The Soil Engineer shall approve the disposal operation.
  10. Compaction equipment shall consist of tamping rollers, pneumatic-tired rollers, vibratory rollers or high speed impact type drum rollers acceptable to the Soil Engineer. The fill shall be compacted as to avoid the creation of a layered fill without proper blending of successive fill layers.
  11. The Soil Engineer shall observe and test the placement of the fill to verify the specifications are met. A series of fill density tests will be determined on each lift of fill. Initial tests showing fill quality will be made to the owner at regular intervals.
  12. The Soil Engineer shall verify the Contractor of the location of a lift of fill or portion thereof. The Contractor shall have the specified period of fill and obtain permission from the Soil Engineer of the acceptance prior to the placement of additional fill.
  13. All areas to receive fill shall be scarified to a depth of not less than 6 inches and then compacted to at least 85 percent of the maximum density as determined by the modified proctor. Areas compacted must ASTM D-1557. Initial slopes shall be 1 vertical to 3 horizontal to receive fill. Fill shall have horizontal benches with minimum width of 10 feet and maximum height of 4 feet cut into the slopes before the placement of any fill. The fill shall be loosely placed in horizontal layers not exceeding 6 inches in thickness and compacted in accordance with the specifications given below. The Soil Engineer shall be responsible for determining the acceptability of soils placed. Any unacceptable soils placed shall be removed at the Contractor's expense.
  14. The sequence of operation in the fill areas will be fill, compact, verify acceptable soil density, and repetition of the sequence. The acceptable moisture contents during the filling operation are those at which satisfactory dry densities can be obtained. The acceptable moisture contents during the filling operation in the remaining areas are from 2 to 8 percent above the optimum moisture content.
  15. The surface of the fill shall be finished so that it will not lapid water. If at the end of a days work it would appear that there may be rain to the next working day, the surface shall be finished smooth. If the surface has been finished smooth for any reason it shall be scarified before proceeding with the placement of succeeding lifts. Fill shall not be placed on frozen ground, nor shall filling operations continue when the temperature is such as to permit the layer under placement to freeze.
  16. Fill and backfill should be compacted to the criteria specified in the following table:
- | Category   | Minimum Construction |
|--|----------------------|
| Fill in building areas below footings, walls and pavements | 90%                  |
| Fill other than building areas                             | 88%                  |
| Natural subgrade   | 90%                  |
| Pavement subgrade  | 90%                  |
| Pavement base course                                       | 90%                  |
- Measured as a percent of the maximum dry density as determined by modified Proctor (ASTM D 1557).  
 Moisture content must be within 2 percent below or 4 percent above optimum moisture content if fill is deeper than 10 feet.
17. Trash and debris shall be disposed of in the detention basin area and other designated areas, as shown on plans. Also, all debris shall be buried a minimum of 3' below finished grade.

Underground utilities have been plotted from available information and therefore their locations shall be considered approximate only. The verification of the location of all underground utilities, either shown or not shown on these plans, shall be the responsibility of the contractor, and shall be located prior to any grading and construction of improvements.