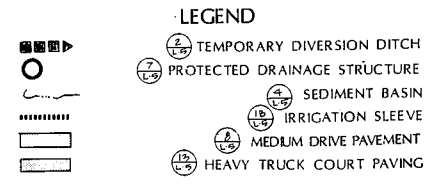


**SITE NOTES**

TOTAL AREA OF SITE 4.9 ACRES  
 DENUDED AREA 213,444 SF  
 (No off site drainage)  
 SEDIMENT BASIN SIZE 70'x45'x4'  
 For design calculations, see detail



**SEEDING SCHEDULE**

Shoulder, Side Ditches, Slopes (Max. 3:1)

Date	Type	Planting Rate
Aug 15-Nov 1	Tall Fescue	300 lb/acre
Nov 1-Mar 1	Tall Fescue and Annual Ryegrass	25 lb/acre
Mar 1-Apr 15	Tall Fescue	300 lb/acre
Apr 15-Jun 30	Hybrid Common Bermudagrass	25 lb/acre
Jul 15-Aug 15	Tall Fescue and **Browntop Millet **Sorghum-Sudan Hybrids	120 lb/acre 35 lb/acre

Slopes (3:1 to 2:1)

Date	Type	Planting Rate
Mar 1-Jun 1	Sericea Lepesolita (scarified)	50 lb/acre
Mar 1-Apr 15	Add Tall Fescue	120 lb/acre
Apr 15-Jun 30	Crabgrass, Hybrid Common Bermudagrass, and Annual Ryegrass	10 lb/acre
Jun 1-Sep 1	**Tall Fescue and **Browntop Millet **Sorghum-Sudan Hybrids	25 lb/acre 35 lb/acre
Sep 1-Mar 1 (Nov 1-Mar 1)	Sericea Lepesolita (unhybridized) and Tall Fescue	70 lb/acre 120 lb/acre

Consult Conservation Engineer or Soil Conservation Service for additional information concerning other alternatives for vegetation of denuded areas. The above vegetation rates are those which do well under local conditions; other seeding rate combinations are possible.

\*\*Temporary: reseed according to optimum season for desired permanent vegetation. Do not allow temporary cover to grow over 12" in height before mowing, or fescue may be shaded out.

- SEEDING PREPARATION**
- Chisel compacted areas and spread topsoil 3 inches deep over adverse soil conditions, if available.
  - Rip the entire area to 6 inches depth.
  - Remove all loose rock, moose, and other obstructions leaving surface reasonably smooth and uniform.
  - Apply agricultural lime, fertilizer, and superphosphate uniformly and mix with soil (see "below").
  - Continue tillage until a well-pulverized, firm, reasonably uniform seedbed is prepared 4 to 6 inches deep.
  - Seed on a freshly prepared seedbed and cover seed lightly with seeding equipment or cultipack after seeding.
  - Mulch immediately after seeding and mow mulch.
  - Inspect all seeded areas and make necessary repairs or reseedings within the planting season, if possible. If mow should be over 60% damaged, reseedable, following original lime, fertilizer and seeding rates.
  - Consult Conservation Inspector on maintenance treatment and fertilization after permanent cover is established.
- \*Apply:  
 Agricultural Limestone: 2 tons/acre  
 Fertilizer: 10/10/10 Analysis @ 800-1000 lb/acre  
 Superphosphate: 500 lb/acre of 20% superphosphate.  
 Mulch: 2 tons (approximately 90 bales) of small grain straw/acre.  
 Anchor: Tract with liquid asphalt @ 400 gal/acre or emulsified asphalt @ 300 gal/acre.

- CONSTRUCTION SEQUENCE**
- Obtain grading permit. Contractor is responsible for notifying inspection authorities as required by local codes.
  - Install erosion control devices and tree protection fences.
  - Obtain certificate of compliance through in-site inspection by Town Erosion Control Engineer: 467-4078.
  - Proceed with grading.
  - Clean sediment basins when half full.
  - Seed and mulch denuded area within 30 days after finished grades are established (see Sheet 14 for seedbed preparation and seeding schedule).
  - When construction is complete and site is stabilized, remove temporary erosion control devices if approved by Conservation Inspector, and seed out or pave remaining bare areas.
  - When vegetation has become established, call for final site inspection by conservation engineer.
  - Remove soil erosion control measures and stabilize these areas.
- NOTE: United States Coast and Geodetic Survey Datum used for all elevations shown as well as the location and elevation of the benchmarks used can be found on a certified survey from Murphy-Telle Associates, 6300 J. Richard Drive, Raleigh, N.C. 27612.

**STRUCTURE SCHEDULE**

PROJECT: 3000 AERIAL CENTER  
 LOCATION: CARY  
 COMPUTED BY: DLT/MS  
 DATE: 11-11-88

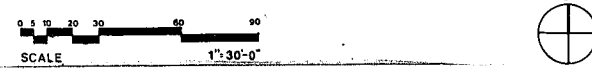
Structure	Rim	Inv In	Inv 10'	Inv 20'	Outlet
CI #1	298.0	---	---	---	180' 15" RCP @ 0.75%
CI #2	296.4	295.3	294.3	293.3	24' 18" RCP @ 1.7%
EXIST #3	295.32	295.3	---	---	54" 18" RCP @ 1.0%
AD #6	295.1	---	---	---	54" 18" RCP @ 0.5%
AD #7	295.1	---	---	---	100' 15" RCP @ 0.5%
CI # 8	294.8	291.2	291.4	291.4	236' 18" RCP @ 0.5%
CI #9	296.3	296.2	---	---	340' 24" RCP @ 0.65%
CI #10	295.5	291.5	291.0	291.3	104' 24" RCP @ 0.5%
PES #11	---	---	---	---	282.0' RIP RCP 12 long 14 wide @50'-0"

**STORM DRAINAGE CHART**

PROJECT: 3000 Aerial Ctr.  
 LOCATION: Cary  
 STORM FREQ: 10 Yr.  
 COMPUTED BY: DLT  
 DATE: 11-11-88

STRUCTURES	AREA	INTENSITY	PIPE	REMARKS					
From	To	Sub (Inlet)	Intensity (ft/hr)	Cfs	Pipe	Slope	Length	Dis. (ft)	Velocity (ft/s)
#1	#2	190	7.5	2.16	18"	0.75	180	15'	7.0
#2	EXIST #3	92	7.5	0.85	18"	1.7	24	15'	7.0
#6	#7	2.5	110	7.5	90	1.7	10.5	54"	3.5
#7	#8	15	344	7.5	2.8	0.75	10.5	100'	4.20
#8	#9	0	1.34	360	7.5	7.0	0.75	236'	4.7
#9	#10	38	1.72	290	7.5	9.8	0.75	340'	9.3
#10	PES #11	58	3.09	7.5	18.5	0.75	104'	104'	12 long 14 wide
#10	PES #11	70	3.09	7.5	18.5	0.75	104'	104'	12 long 14 wide

NOTE: SWALE EXISTING GRADE TO PES #11 FOR ADEQUATE DRAINAGE.



Hager  
 Smith  
 and  
 Huffman  
 Group  
 PA  
 Landscape Architects  
 Land Planning



3000  
 AERIAL CENTER  
  
 CARY,  
 NORTH CAROLINA

PIZZAGALLI INVESTMENT CO.  
 P.O. BOX 13643  
 RESEARCH TRIANGLE PARK  
 NORTH CAROLINA 27709

Drawing Title: GRADING/EROSION CONTROL PLAN  
 Revision: \_\_\_\_\_  
 Number: \_\_\_\_\_  
 Date FOR CONSTRUCTION: \_\_\_\_\_

Drawn by: DLT  
 Checked by: \_\_\_\_\_  
 Date: JANUARY 23, 1989

