

EROSION CONTROL NOTES

- 1) DENUDED AREA = 7.1 ACRES
- 2) NO 100 YEAR FLOODPLAIN ON SITE PER FEMA PANEL MAP #37183C0480 E
- 3) PROJECT VITRINARY TO LAKE JORDAN WATERSHED
- 4) NO CONSTRUCTION VEHICLE TRAFFIC THROUGH PARK VILLAGE WILL BE PERMITTED
- 5) DAVIS DR. SHALL BE KEPT CLEAN AT ALL TIMES OR A WASH STATION WILL BE INSTALLED.
- 6) ALL DISTURBED AREAS WILL BE SEEDED AND MULCHED WITHIN 30 DAYS OF ANY PREVIOUS LINO DISTURBANCE.
- 7) A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT (NPDES) WILL HAVE TO BE APPLIED FOR BY THE OWNERS OF THIS PROJECT.
- 8) NO DELINEATED WETLANDS IN PHASE 1

CONSTRUCTION SEQUENCE

- 1) OBTAIN GRADING PERMIT.
- 2) A PRECONSTRUCTION CONFERENCE MAY BE REQUIRED PRIOR TO ISSUANCE OF A GRADING PERMIT.
- 3) INSTALL TREE PROTECTION FENCE, GRAVEL CONSTRUCTION ENTRANCE, SILT FENCE, AND CATCH BASIN RISER FILTER WITHOUT SILT FENCE Baffles. ALL EXISTING CATCH BASIN/YARD INLET PROTECTION SHALL BE REPAIRED OR UPDATED TO ENSURE PERFORMANCE (I.D. DETAIL #14).
- 4) CALL TOWN OF CARY EROSION CONTROL OFFICER AT 468-1947 FOR ON SITE INSPECTION AND RECEIVE CERTIFICATE OF COMPLIANCE. PRIOR TO BEGINNING GRADING WORK, CONTRACTOR SHALL REPLACE OR REPAIR EXISTING ON SITE EROSION CONTROL DEVICES TO INCLUDE ANY TREE PROTECTION FENCE.
- 5) BEGIN GRADING OPERATIONS. WHEN GRADES ARE BROUGHT TO FINISH ELEVATIONS, SEED AND MULCH THOSE AREAS OUTSIDE OF PARKING OR BUILDING AREAS WITHIN 30 DAYS.
- 6) INSTALL CATCH BASIN/YARD INLET PROTECTION AFTER STORM DRAINAGE SYSTEM HAS BEEN INSTALLED.
- 7) INSPECT EROSION AND SEDIMENTATION CONTROL MEASURES WEEKLY AND AFTER SIGNIFICANT RAINFALL EVENTS. MAINTAIN AND REPAIR MEASURES AS NECESSARY. REMOVE ACCUMULATED SEDIMENT FROM SEDIMENT BASIN WHEN HALF FULL.
- 8) MAINTAIN ON SITE EROSION CONTROL DEVICES UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
- 9) OBTAIN FINAL APPROVAL BY TOWN OF CARY EROSION CONTROL OFFICER ONCE SITE HAS BEEN STABILIZED.
- 10) REMOVE ALL REMAINING EROSION CONTROL DEVICES AFTER RECEIPT OF FINAL APPROVAL. INSTALL PERMANENT MEASURES INCLUDING RIP-RAP OUTLET PROTECTION, RIP-RAP CHANNEL LINING, AND SEED AND MULCH REMAINING DENUDED AREAS.

SEEDING SPECIFICATIONS

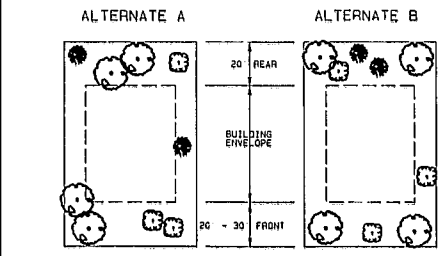
- I. SEEDBED PREPARATION:
 - A) CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS. IF THEY OCCUR AFTER A RAIN, REWORK TO A DEPTH OF 6 INCHES.
 - B) REMOVE ALL LOOSE ROCKS, ROOTS, DIRT CLODS, AND OTHER OBSTRUCTIONS LEAVING THE GROUND SURFACE REASONABLY SMOOTH AND UNIFORM.
 - C) INCORPORATE AGRICULTURAL LIME, FERTILIZER, AND SUPERPHOSPHATE INTO SOIL OF DISTURBED AREAS TO BE VEGETATED. DISK NUTRIENTS INTO SOIL UNTIL A WELL PULVERIZED, UNIFORM SEEDBED IS PREPARED.
 - D) SEED ON A FRESHLY PREPARED SEEDBED AND COVER LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
 - E) MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH WITH LIQUID ASPHALT AT 400 GALLONS/ACRE OR EMULSIFIED ASPHALT AT 300 GALLONS/ACRE.
 - F) INSPECT ALL SEEDED AREAS WITH SMALL GRAIN STRAW AT 90 LBS/1000 SQUARE FEET AND SPREAD UNIFORMLY. APPROXIMATELY 1/2" OF GROUND SURFACE SHOULD BE VISIBLE TO AVOID BLOCKING SUNLIGHT TO SEEDINGS. ON AREAS WHERE THE GROUND SURFACE EQUALS OR EXCEEDS 3:1 (H:V) AND IN THE INVERTS OF ALL DRAINAGE SLOTTED MULCH WITH ASPHALT EMULSION AT A RATE OF 150 GALLONS EMULSION PER TON OF STRAW.
 - G) MULCH AROUND SHRUBBERY AND TREES WITH SHREDDED HARDWOOD BARK (OR EQUAL) TO A DEPTH OF 3 INCHES.

- II. SEEDING:
 - A) APPLY NUTRIENTS AS FOLLOWS:
 - AGRICULTURAL LIMESTONE 3 TONS /ACRE
 - FERTILIZER 5-10-10 AT 1,000 1,500 LBS/ACRE
 - SUPERPHOSPHATE 750 LBS/ACRE AT 20% ANALYSIS SUPERPHOSPHATE ANCHOR TAGS WITH LIQUID ASPHALT AT 400 GALL./ACRE OR EMULSIFIED ASPHALT AT 300 GALL./ACRE.

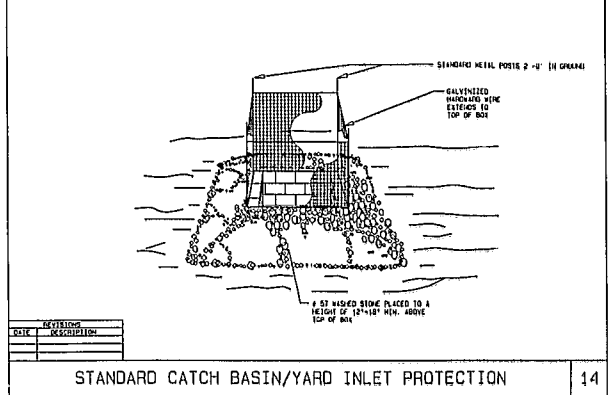
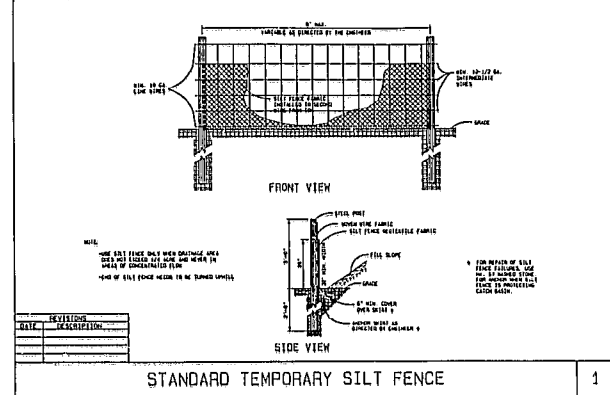
PERMANENT SEEDING:
 3.0 LBS CONFEDERATE/1000 SQUARE FEET DURING FEBRUARY 15 THROUGH MAY 15 OR AUGUST 15 THROUGH NOVEMBER 15.
 -OR-
 3.0 LBS CONFEDERATE AND 2.0 LBS ANNUAL RYE GRASS/1000 SQUARE FEET DURING NOVEMBER 15 THROUGH FEBRUARY 15.

TEMPORARY SEEDING:
 1.0 LB ANNUAL RYE GRASS/1000 SQUARE FEET DURING AUGUST 25 THROUGH APRIL.
 -OR-
 1.0 LB TOP MILLET/1000 SQUARE FEET DURING MAY THROUGH AUGUST 15.

WHERE NEETING LOVE GRASS IS SPECIFIED, SEED 300 LBS/ACRE DURING MAY 1 THROUGH JULY 1.



- TYPICAL MIN. LOT VEGETATION**
- 1.) TREE LOCATIONS ARE APPROXIMATE AND SUBJECT TO FIELD ADJUSTMENT
 - 2.) A MINIMUM OF 6 SHRUBS TO BE INSTALLED ALONG BUILDING FOUNDATION
 - 3.) EACH FRONT YARD SHALL CONTAIN A RED MAPLE OR WILLOW OAK.
 - 4.) TYPICAL MINIMUM LOT VEGETATION SHALL BE PROVIDED ON ALL LOTS.

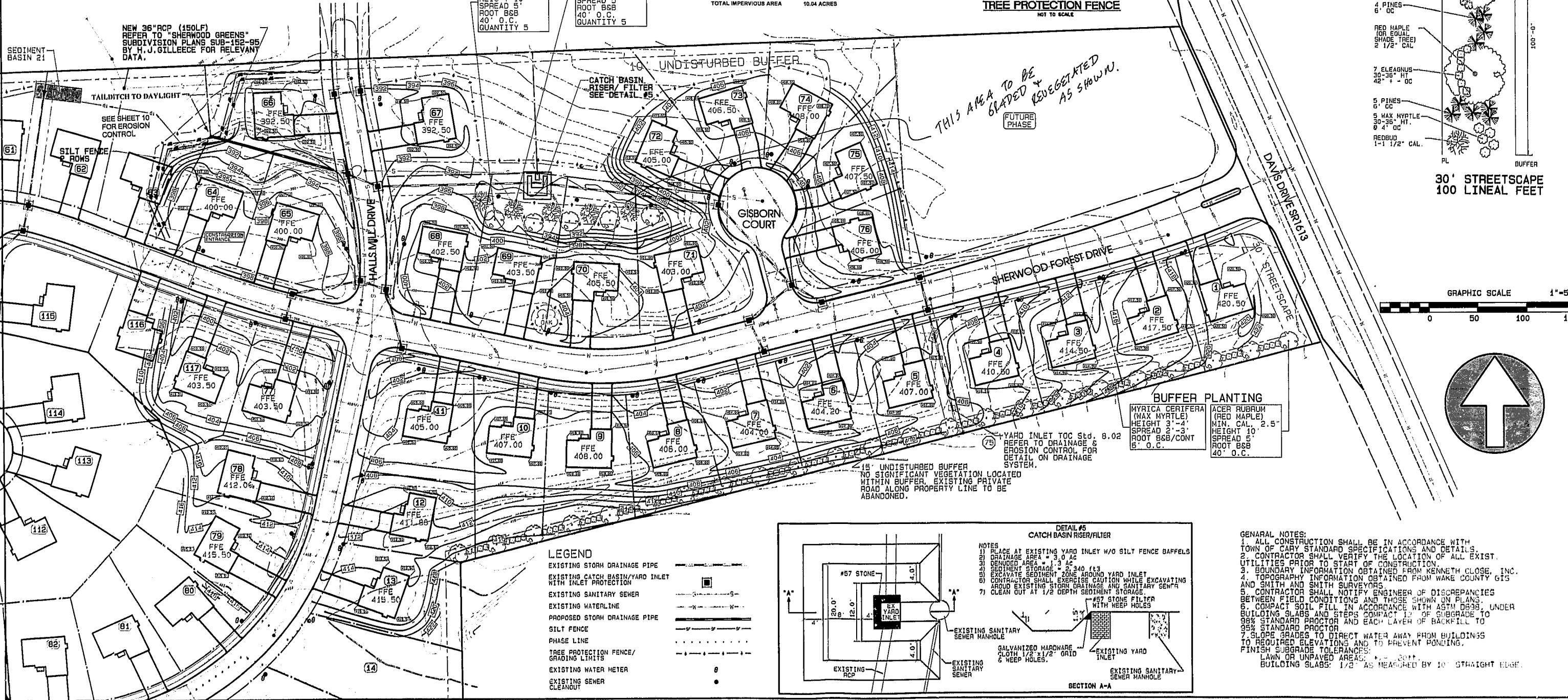
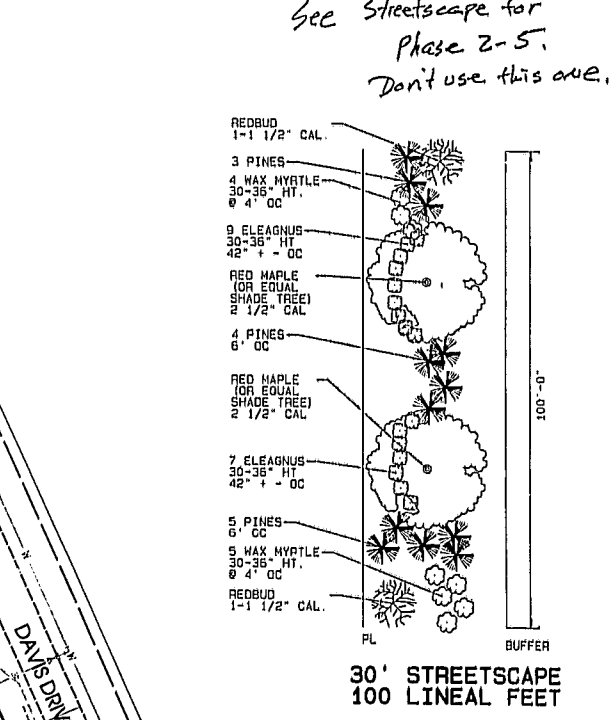
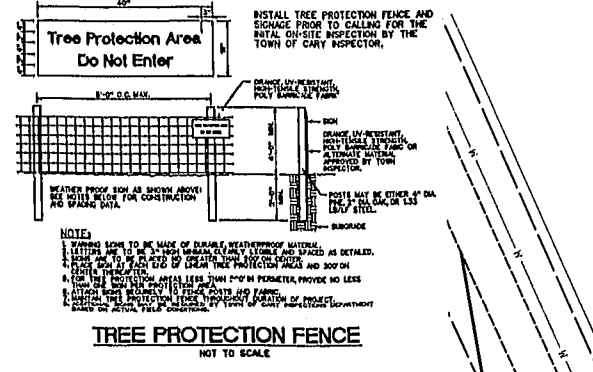


JORDAN LAKE WATERSHED PROTECTION REQUIREMENTS HAVE BEEN MET. PROPOSED IMPERVIOUS AREA IS LESS THAN 24% OF THE TOTAL PROJECT AREA.

IMPERVIOUS AREA CALCULATIONS:

TOTAL PROJECT AREA	42.88 ACRES
ALLOWABLE IMPERVIOUS AREA	10.08 ACRES
PROPOSED IMPERVIOUS AREA	10.04 ACRES

TOTAL NUMBER OF LOTS	117
PROPOSED IMPERVIOUS AREAS:	
ROADWAY & SIDEWALKS	3.08 ACRES
HOUSES (117 @ 1286 sq/lot)	3.41 ACRES
DRIVEWAYS (117 @ 760 sq/lot)	2.04 ACRES
RECREATION AREA	0.39 ACRES
DAVIS DRIVE WIDENING	0.28 ACRES
TOTAL IMPERVIOUS AREA	10.04 ACRES



DATE: _____

REVISION: _____

1 2 3 4 5

SE SPAULDING ENGINEERING, P.C.
 Civil Consulting Engineers

315 North Academy Street Cary, North Carolina 27513
 Phone (919) 319-9393 Fax (919) 319-9390

DESIGNED BY: TJS & MLL
 DRAWN BY: MLL
 APPROVED BY: TJS

SHERWOOD GREENS
 Cary, North Carolina

LOT GRADING PLAN PHASE 1

DRAWING SHEET
G1

PROJECT NUMBER
144-99