HOME OF 'THE BEST QUALITY OF LIFE IN GEORGIA'

MILTON

ESTABLISHED 2006

AGENDA #:

DESIGN REVIEW BOARD APPLICATION

MEETING DATE: JUNE 3, 2025

TYPE OF REVIEW: FINAL ____ **COURTESY** ____ **CASE #** ____

PROJECT INFORMATION

PROJECT NAME: DEMO - FREEMANVILLE

PROJECT ADDRESS: 13970 FREEMANVILLE RD MILTON, GA 30004

OVERLAY/FORM-BASED CODE: ____

HAS LDP/BUILDING PERMIT BEEN SUBMITTED FOR REVIEW? YES ____ NO____

PROJECT TYPE (CHECK ONE):
- SITE/LANDSCAPE ____
- BUILDING ____
- SALES TRAILER ____
- DEMOLITION ✓
- ZONING/USE PERMIT/VARIANCE ____
- OTHER (EXPLAIN) ____

PROJECT DESCRIPTION: DEMO RANCH HOME - GRADE

APPLICANT/REPRESENTATIVE INFORMATION

CONTACT PERSON NAME: DAVID M RHINEHART

COMPANY: ____

ADDRESS: 1950 LONG HOLLOW LANE MILTON, GA 30004

PHONE: 404-512-8021 FAX: ____

EMAIL: dmrhinehart3@gmail.com

APPLICANT'S SIGNATURE: *To the best of my knowledge, this application is correct and complete. I understand that I, or my representative should be in attendance at the Design Review Board meeting on* JUNE 3rd*, at 6:00pm, to present this project. To the best of my knowledge, I have met all applicable Overlay/Form Based Code conditions (Hwy 9/Deerfield, Birmingham, Crabapple, Rural Milton.)*

Applicant: David M. Rhinehart **Date** 4-21-25

13970 Freemanville Road
Site Review

City of Milton
2025

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Miles

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MILTON
ESTABLISHED 2006

CONSTRUCTION DOCUMENTS FOR:

13970 FREEMANVILLE DEMO

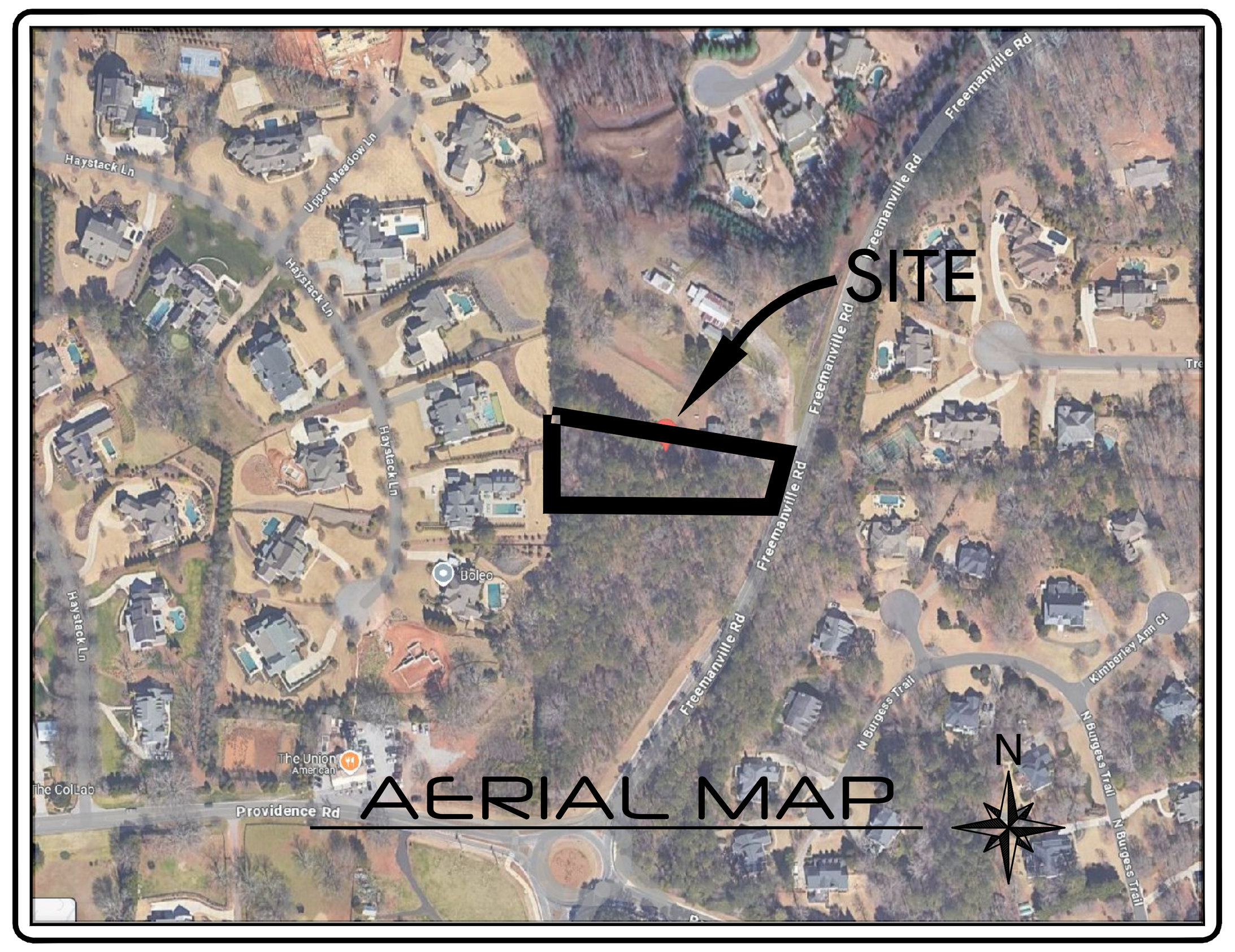
13970 FREEMANVILLE RD
MILTON, GA 30004

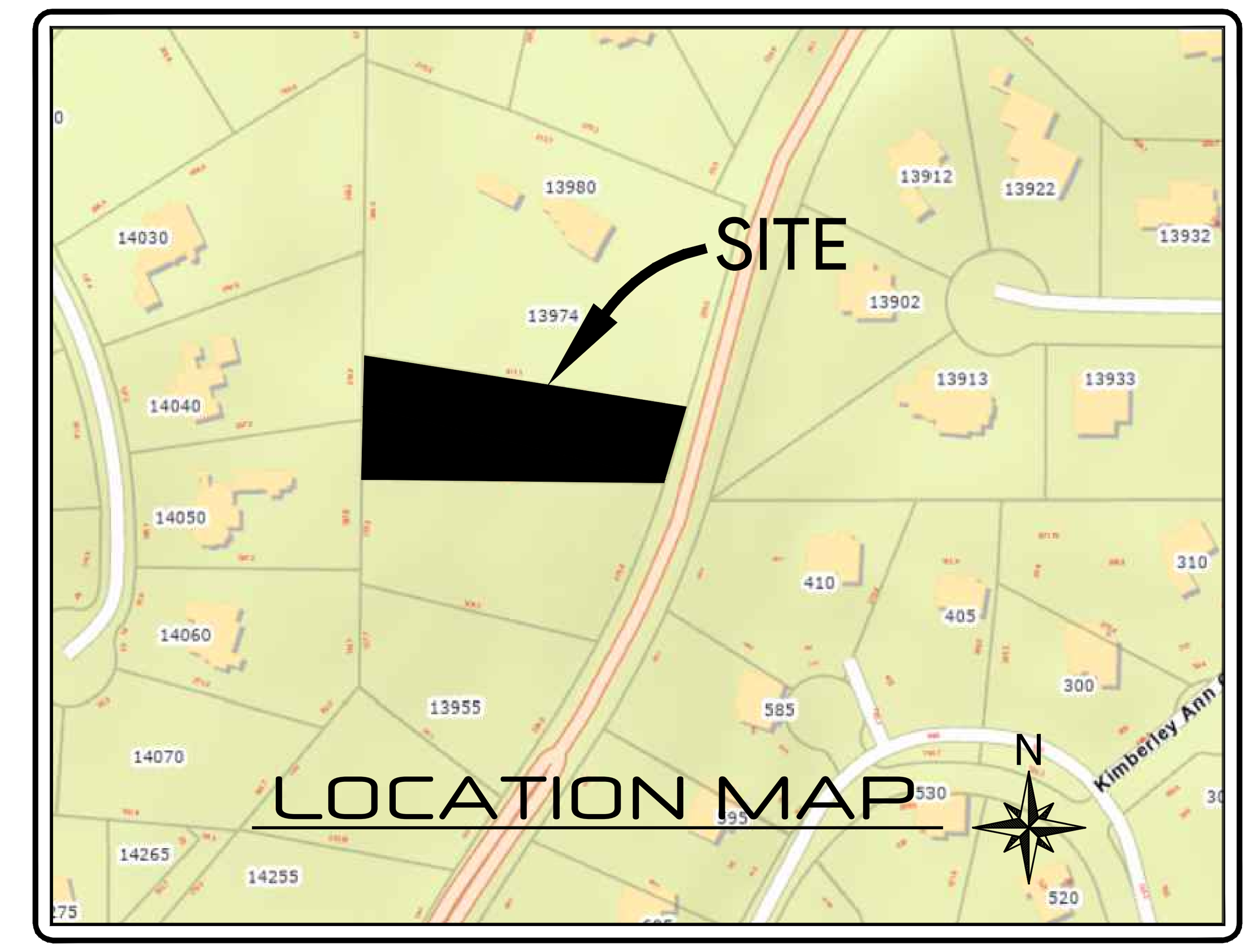
FULTON COUNTY
PARCEL ID #22 428008130202

OWNER/DEVELOPER:

DAVID RHINEHART

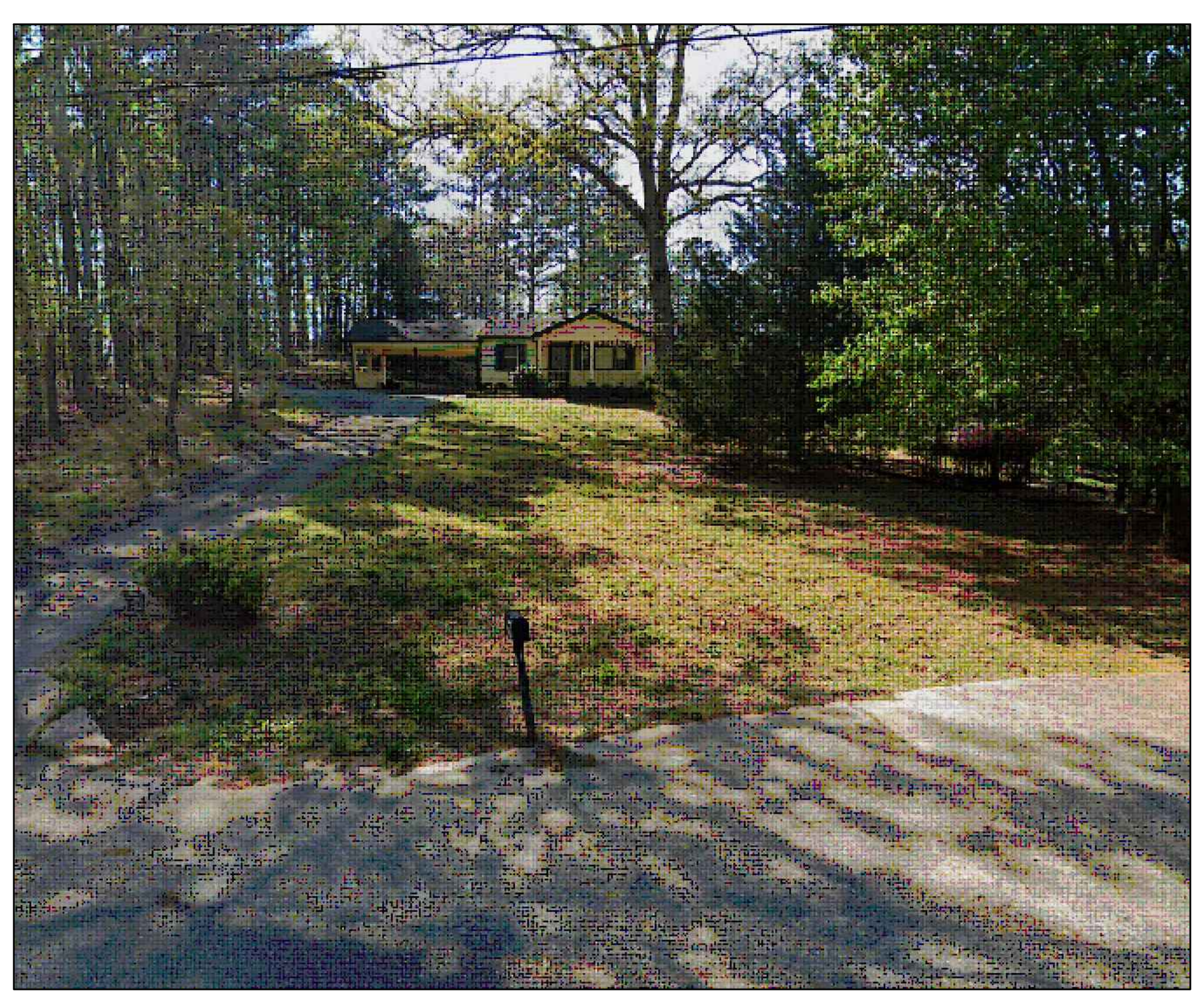
1950 LONG HOLLOW LN
MILTON, GA 30004

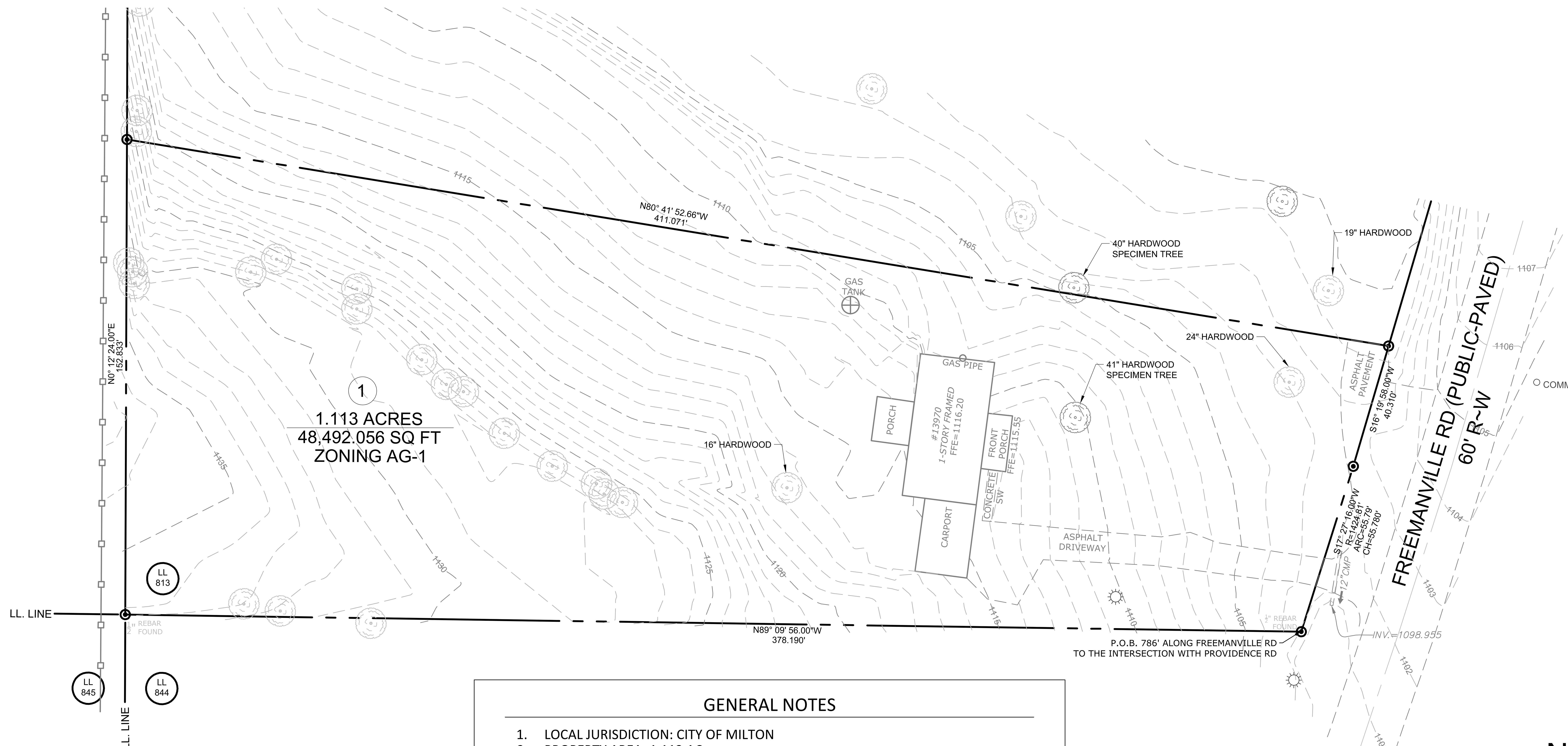




SHEET #	SHEET TITLE	REVISION DATE			
C101	EXISTING CONDITIONS PLAN				
C201	DEMOLITION PLAN				
C301	EROSION CONTROL DETAILS				

SHEET LEGEND — REVISIONS





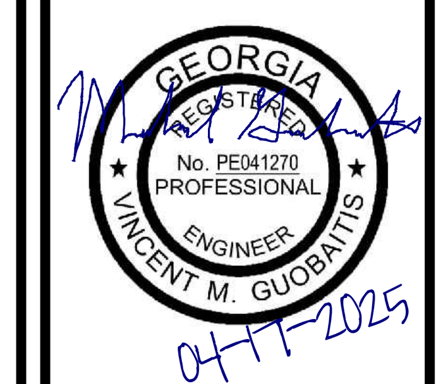
TOTAL SITE AREA =1.11 ACRES
LIMITS OF LAND DISTURBANCE = 0.20 ACRES

GENERAL NOTES

1. LOCAL JURISDICTION: CITY OF MILTON
2. PROPERTY AREA: 1.113 AC
3. ZONING: AG1
4. FLOOD MAP #13121C0052G
5. THERE ARE NO STATE WATERS LOCATED ON SITE
6. THERE ARE NO WETLANDS LOCATED ON SITE

N

SCALE: 1" = 20'
20 0 20 40 60 FEET



civilogistix
500 SUN VALLEY DRIVE, STE H3, ROSWELL, GA 30076
(404) 594-4403 - civilogistix.com

EXISTING CONDITIONS PLAN

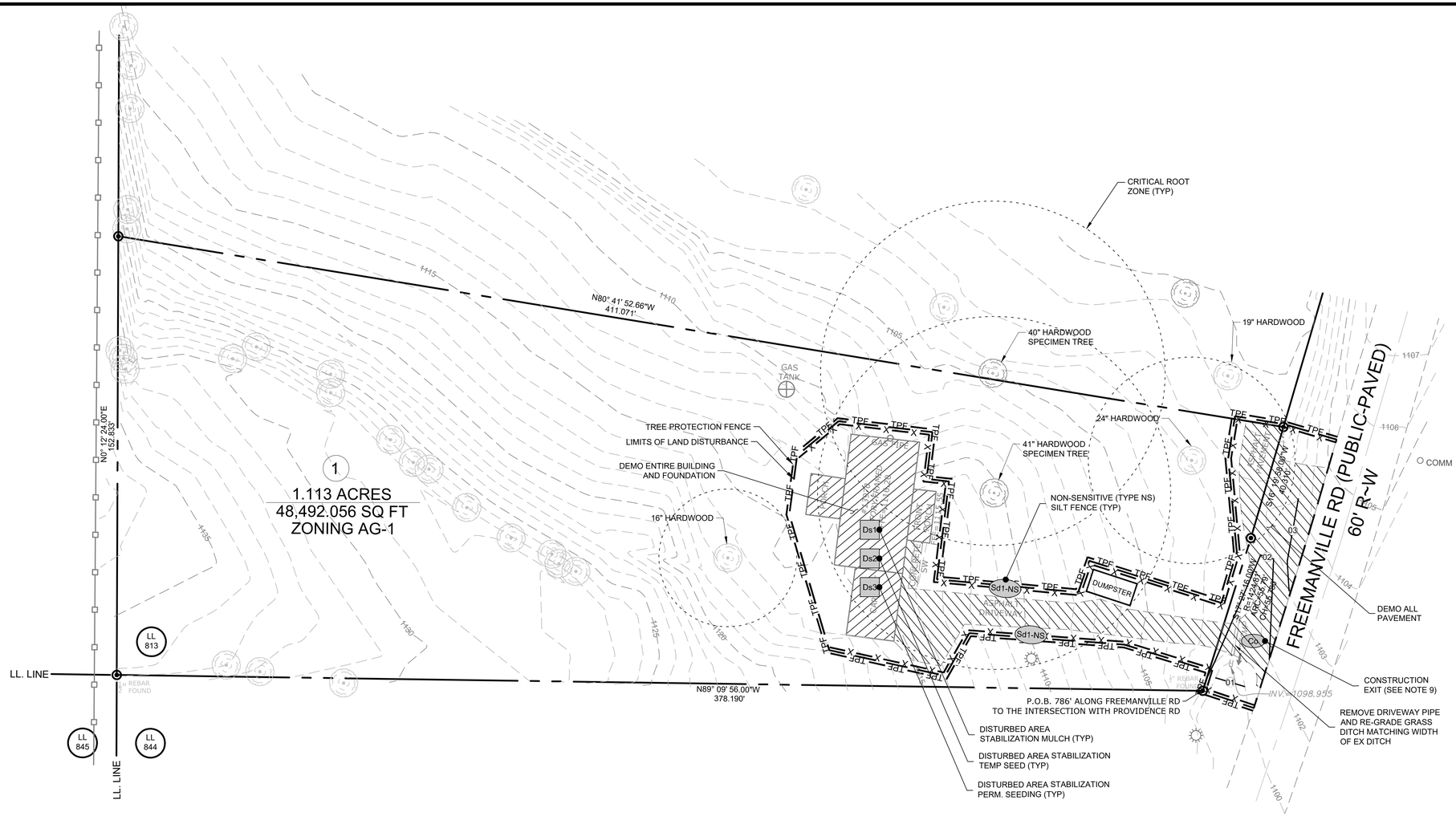
13970 FREEMANVILLE DEMO
13970 FREEMANVILLE RD
MILTON, GA 30004

C101

25205

APR 17 2025

REVISIONS



DEMOLITION SYMBOLS LEGEND

- HATCHING REPRESENTS STRUCTURE OR ROAD TO BE REMOVED
- EX. TELEPHONE (TO REMAIN)
- EX. TELEPHONE (TO BE REMOVED)
- EX. SAN. SEWER (TO REMAIN)
- EX. SAN. SEWER (TO BE REMOVED)
- EX. POWER (TO REMAIN)
- EX. POWER (TO BE REMOVED)
- EX. WATER (TO REMAIN)
- EX. WATER (TO BE REMOVED)
- EX. GAS (TO REMAIN)
- EX. GAS (TO BE REMOVED)
- EX. STORM (TO REMAIN)
- EX. STORM (TO BE REMOVED)
- EX. FENCE (TO REMAIN)
- EX. FENCE (TO BE REMOVED)

EROSION CONTROL LEGEND

- CONSTRUCTION EXIT (TEMP.)
- SEDIMENT BARRIER (TEMP.)
- DISTURBED AREA STABILIZATION (MULCH)
- DISTURBED AREA STABILIZATION (TEMP. SEED)
- DISTURBED AREA STABILIZATION (PERMANENT)

TOTAL SITE AREA =1.11 ACRES
LIMITS OF LAND DISTURBANCE = 0.20 ACRES

PROJECT DESCRIPTION:
DEMOLITION OF ENTIRE BUILDING AND ALL PAVEMENT. RE-GRADING OF PROPERTY FRONTAGE AND RIGHT-OF-WAY TO NATURAL CONDITIONS.

WETLAND NOTE AND FLOOD NOTE:
THERE ARE NO WETLANDS OR STATE WATERS LOCATED ON OR WITHIN 200 FT OF THIS SITE. THIS TRACT OF LAND DOES NOT LIE WITHIN THE 100 YEAR INTERMEDIATE REGIONAL FLOOD ZONE AS PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY AS SHOWN ON COMMUNITY PANEL #13121C0052G EFFECTIVE DATE JUNE 19, 2020

24 HOUR CONTACT:
DAVE RHINEHART
404-512-8021
DMRHINEHART3@GMAIL.COM

DEMOLITION NOTES:
1. CONTACT THE COMMUNITY DEVELOPMENT DEPARTMENT AT 678-242-2543 TO SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE SITE INSPECTOR PRIOR TO ANY LAND DISTURBANCE.
2. ALL LAND DISTURBANCE TO BE STABILIZED WITH VEGETATION UPON COMPLETION OF DEMOLITION.
3. ALL TREES TO REMAIN AND HAVE PROPER TREE PROTECTION FENCING.
4. ALL DEMOLITION DEBRIS TO BE HAULED OFF SITE.
5. PLACEMENT OF DUMPSTER AND THE PARKING OF AUTOMOBILES IS PROHIBITED IN THE RIGHT-OF-WAY.
6. ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED BASED ON THE EXISTING SITE CONDITIONS IF DEEMED NECESSARY BY THE ON-SITE INSPECTOR.
7. LOCATE AND PLUG EX WATER LINE AT EX WATER METER.
8. LOCATE AND REMOVE EX SEPTIC TANK. EX TANK TO BE PUMPED BEFORE REMOVAL. ON-SITE ABSORPTION FIELDS WILL BE ABANDONED IN PLACE.
9. EX DRIVEWAY TO BE UTILIZED AS CONSTRUCTION EXIT. ALL VEHICLE TIRES MUST BE WASHED AND FREE OF DEBRIS BEFORE EXITING PROJECT SITE.

811 IF YOU DIG GEORGIA...
CALL US FIRST!
UTILITIES PROTECTION CENTER
IT'S THE LAW
Know what's below.
Call before you dig.

SCALE: 1" = 20'
20 0 20 40 60 FEET

N

GEORGIA
No. PE041270
PROFESSIONAL ENGINEER
VINCENT M. GUOBAITIS
04-17-2025

civilOGISTIX
500 SUN VALLEY DRIVE, STE H3, ROSWELL, GA 30076
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DEMOLITION PLAN

13970 FREEMANVILLE DEMO
13970 FREEMANVILLE RD
MILTON, GA 30004

C201

25205

APR 17 2025
REVISIONS

CEP-Ds1

DISTURBED AREA STABILIZATION - MULCH

CONSTRUCTION SPECIFICATIONS: MULCHING WITHOUT SEEDING

THIS STANDARD APPLIES TO GRADES OR CLEARED AREAS WHERE SEEDINGS MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDANT COVER, BUT CAN BE STABILIZED WITH A MULCH COVER.

SITE PREPARATION
1. GRADE TO PERMIT THE USE OF EQUIPMENT FOR APPLYING AND ANCHORING MULCH.
2. INSTALL NEEDED EROSION CONTROL MEASURES AS REQUIRED SUCH AS DIKES, DIVERSIONS, BERMS, TERRACES AND SEDIMENT BARRIERS.
3. LOOSEN COMPACT SOIL TO A MINIMUM DEPTH OF 3 INCHES.

MULCHING MATERIALS
SELECT ONE OF THE FOLLOWING MATERIALS AND APPLY AT THE DEPTH INDICATED:
1. DRY STRAW OR HAY SHALL BE APPLIED AT A DEPTH OF 2 TO 4 INCHES PROVIDING COMPLETE SOIL COVERAGE. ONE ADVANTAGE OF THIS MATERIAL IS EASY APPLICATION.
2. WOOD WASTE (CHIPS, SAWDUST OR BARK) SHALL BE APPLIED AT A DEPTH OF 2 TO 3 INCHES. ORGANIC MATERIAL FROM THE CLEARING STAGE OF DEVELOPMENT SHOULD REMAIN ON SITE, BE CHIPPED, AND APPLIED AS MULCH. THIS METHOD OF MULCHING CAN GREATLY REDUCE EROSION CONTROL COSTS.
3. POLYETHYLENE FILM SHALL BE SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL FOR TEMPORARY PROTECTION. THIS MATERIAL CAN BE SALVAGED AND REUSED.

APPLYING MULCH
WHEN MULCH IS USED WITHOUT SEEDING, MULCH SHALL BE APPLIED TO PROVIDE FULL COVERAGE OF THE EXPOSED AREA.
1. DRY STRAW OR HAY MULCH AND WOOD CHIPS SHALL BE APPLIED UNIFORMLY BY HAND OR BY MECHANICAL EQUIPMENT.
2. IF THE AREA WILL EVENTUALLY BE COVERED WITH PERENNIAL VEGETATION, 20-30 POUNDS OF NITROGEN PER ACRE IN ADDITION TO THE NORMAL AMOUNT SHALL BE APPLIED TO OFFSET THE UPTAKE OF NITROGEN CAUSED BY THE DECOMPOSITION OF THE ORGANIC MULCHES.
3. APPLY POLYETHYLENE FILM ON EXPOSED AREAS.

ANCHORING MULCH
1. STRAW OR HAY MULCH CAN BE PRESSED INTO THE SOIL WITH A DISK HARROW WITH THE DISK SET STRAIGHT OR WITH A SPECIAL "PACKER DISK." DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISK SHOULD BE DULL ENOUGH NOT TO CUT THE MULCH BUT TO PRESS IT INTO THE SOIL LEAVING MUCH OF IT IN AN ERECT POSITION.STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION. STRAW OR HAY MULCH SPREAD WITH SPECIAL BLOWER-TYPE EQUIPMENT MAY BE ANCHORED. TACKIFERS, BINDERS AND HYDRAULIC MULCH WITH TACKIFIER SPECIFICALLY DESGINED FOR TACKING STRAW CAN BE SUBSTITUTED FOR EMULSIFIED ASPHALT. PLEASE REFER TO SPECIFICATION TAC-TACKIFERS. PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

2. NETTING OF THE APPROPRIATE SIZE SHALL BE USED TO ANCHOR WOOD WASTE. OPENINGS OF THE NETTING SHALL NOT BE LARGER THAN THE AVERAGE SIZE OF THE WOOD WASTE CHIPS.
3. POLYETHYLENE FILM SHALL BE ANCHOR TRENCHED AT THE TOP AS WELL AS INCREMENTALLY AS NECESSARY.

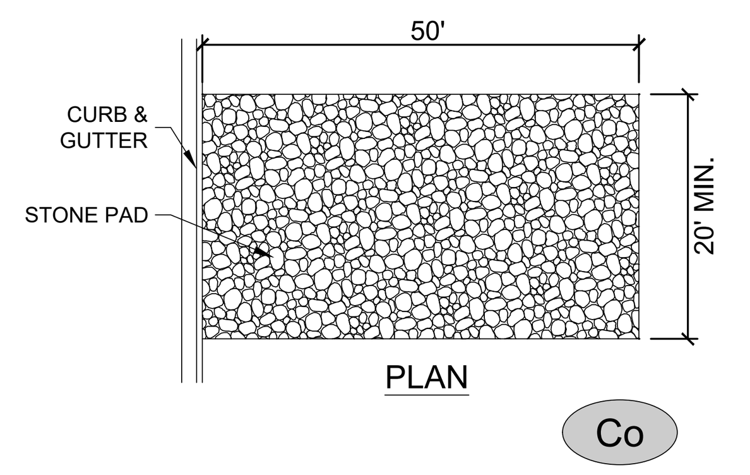
MULCHING SHALL BE INSTALLED IN ACCORDANCE WITH SPECIFICATION DS1 - DISTURBED AREA STABILIZATION - (WITH MULCHING ONLY) IN THE M.E.S.C.I.G.

Ds1

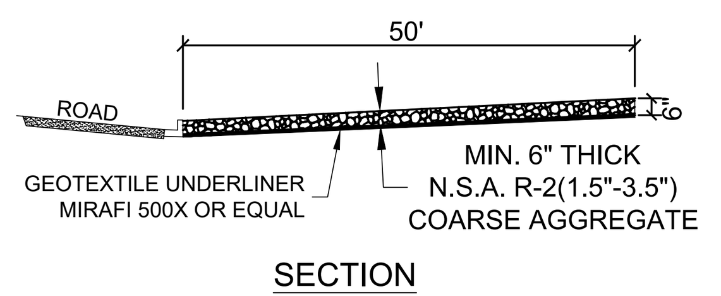
SCALE: NONE

CEP-Co

CONSTRUCTION EXIT



NOTE:
STONE SIZE TO BE R-2 (1.5 TO 3.5 INCH STONE)



CONSTRUCTION SPECIFICATIONS
IT IS RECOMMENDED THAT THE ENTRANCE AREA BE EXCAVATED TO A DEPTH OF 3 INCHES AND BE CLEARED OF ALL VEGETATION AND ROOTS.

DIVERSION RIDGE
ON SITES WHERE THE GRADE TOWARD THE PAVED AREA IS GREATER THAN 2%, A DIVERSION RIDGE 6 TO 8 INCHES HIGH WITH 3:1 SIDE SLOPES SHALL BE CONSTRUCTED ACROSS THE FOUNDATION APPROXIMATELY 15 FEET ABOVE THE ROAD.

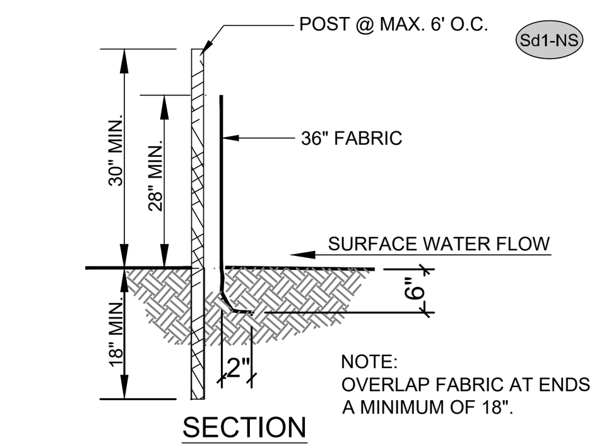
GEOTEXTILE
THE GEOTEXTILE UNDERLINER MUST BE PLACED THE FULL LENGTH AND WIDTH OF THE ENTRANCE. GEOTEXTILE SELECTION SHALL BE BASED ON AASHTO M288-98 SPECIFICATION:
1. FOR SUBGRADES WITH A CBR GREATER THAN OR EQUAL TO 3 OR SHEAR STRENGTH GREATER THAN 90 KPA, GEOTEXTILE MUST MEET REQUIREMENTS OF SECTION AASHTO M288-96 SECTION 7.3, SEPARATION REQUIREMENTS.
2. FOR SUBGRADES WITH A CBR BETWEEN 1 AND 3 OR SHEERSTRENGTH BETWEEN 30 AND 90 KPA, GEOTEXTILE MUST MEET REQUIREMENTS OF SECTION AASHTO M288-96 SECTION 7.4, STABILIZATION REQUIREMENTS.
CONSTRUCTION EXIT SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATION Co - CONSTRUCTION EXIT IN THE M.E.S.C.I.G.

MAINTENANCE
THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5"-3.5" STONE, AS CONDTIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

SCALE: NONE

CEP-Sd1-NS

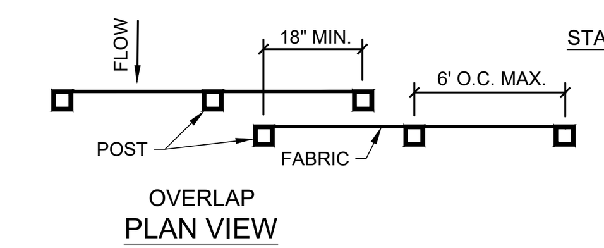
SILT FENCE NON-SENSITIVE



FASTENERS FOR WOOD POSTS

	GAUGE	CROWN	LEGS	STAPLES/POST
WIRE STAPLES	17 MIN.	3/4" WIDE	1/2" LONG	5 MIN.

	GAUGE	LENGTH	BUTTON HEADS	NAIL/POST
NAILS	14 MIN.	1"	3/4"	4 MIN.



CONSTRUCTION SPECIFICATIONS:
SEDIMENT BARRIERS BEING USED AS TYPE NS (NON-SENSITIVE) SHALL HAVE A SUPPORT SPACING OF NO GREATER THAN 6 FEET. ON CENTER, WITH EACH DRIVEN INTO THE GROUND A MINIMUM OF 18 INCHES. TYPE NS SEDIMENT BARRIERS SHALL HAVE A P-FACTOR NO GREATER THAN 0.045. TYPE NS BARRIERS ARE NOT TO BE USED TO PROTECT STATE WATERS AND WETLANDS. TYPE S BARRIERS ARE REQUIRED ALONG ALL STATE WATERS, WETLANDS AND WHEREVER SENSITIVE AREAS ARE INDICATED ON THE CONSTRUCTION DRAWINGS IN A DOUBLE ROW NO LESS THAN 36" APART.

THE MANUFACTURER SHALL HAVE EITHER AN APPROVED COLOR MARK YARN IN THE FABRIC OR LABEL THE FABRICATED SILT FENCE WITH BOTH THE MANUFACTURER AND FABRIC NAME EVERY 100 FEET.

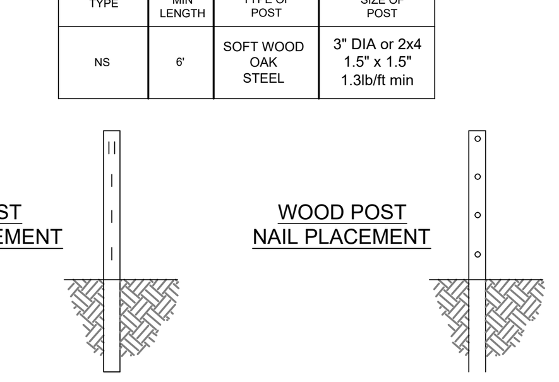
THE TEMPORARY SILT FENCE SHALL BE INSTALLED ACCORDING TO THIS SPECIFICATION, AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. FOR INSTALLATION OF THE FABRIC.

POST INSTALLATION SHALL START AT THE CENTER OF THE LOW POINT (IF APPLICABLE) WITH REMAINING POSTS SPACED 6 FEET.

SILT FENCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATION Sd1 IN THE M.E.S.C.I.G.

MAINTENANCE
SEDIMENT SHALL BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER. THIS IS EXTREMELY IMPORTANT WHEN SELECTING BMPS WITH A LOWER PROFI LE. SEDIMENT BARRIERS SHALL BE REPLACED WHENEVER THEY HAVE DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE PRODUCT IS REDUCED (APPROXIMATELY SIX MONTHS) OR THE HEIGHT OF THE PRODUCT IS NOT MAINTAINING 80% OF ITS PROPERLY INSTALLED HEIGHT. TEMPORARY SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. ALL SEDIMENT ACCUMULATED AT THE BARRIER SHALL BE REMOVED AND PROPERLY DISPOSED OF BEFORE THE BARRIER IS REMOVED.

POST SIZE			
TYPE	MIN LENGTH	TYPE OF POST	SIZE OF POST
NS	6'	SOFT WOOD OAK STEEL	3" DIA or 2x4 1.5" x 1.5" 1.3lb/ft min



SCALE: NONE

CEP-EFM

FERTILIZER AND MULCH REQUIREMENTS

TYPES OF SPECIES	YEAR	ANALYSIS OR EQ.UIVALENT (N-P-K)	RATE (lbs./acre)	N TOP DRESSING RATE (lbs./acre)
COOL SEASON GRASSES	FIRST	6−12−12	1500	50-100 1/2/
	SECOND	6−12−12	1000	-
	MAINTENANCE	10−10−10	400	30
COOL SEASON GRASSES AND LEGUMES	FIRST	6-12-12	1500	0-50 1/
	SECOND	0-10-10	1000	-
	MAINTENANCE	0-10-10	400	-
GROUND COVERS	FIRST	10-10-10	1300 3/	0-50
	SECOND	10-10-10	1300 3/	-
	MAINTENANCE	10-10-10	1100	-
PINE SEEDINGS	FIRST	20-10-5	ONE 21-GRAM PELLET PER SEEDING PLACED IN THE CLOSING HOLE	-
SHRUB LESPEDEZA	FIRST	0-10-10	700	-
	MAINTENANCE	0-10-10	700 4/	-
TEMP. COVER CROPS SEEDED ALONE	FIRST	10-10-10	500	30 5/
WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100 2/6/
	SECOND	6-12-12	800	50-100 2/
	MAINTENANCE	10-10-10	400	30
WARM SEASON GRASSES AND LEGUMES	FIRST	6-12-12	1500	50 6/
	SECOND	0-10-01	1000	
	MAINTENANCE	0-10-10	400	

TABLE 6-5.1 FERTILIZER REQUIREMENTS

1/ APPLY IN SPRING FOLLOWING SEEDING.
2/ APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED.
3/ APPLY IN 3 SPLIT APPLICATIONS.
4/APPLY WHEN PLANTS ARE PRUNED.
5/ APPLY TO GRASS SPECIES ONLY.
6/ APPLY WHEN PLANTS GROW TO A HEIGHT OF 2-4 INCHES.

MULCHING RATES:
1. DRY STRAW: 2 TONS/AC
2. DRY HAY: 2.5 TONS/AC
3. FOR HYDRAULIC SEEDING USE WOOD CELLULOSE MULCH OR WOOD PULP FIBER AT THE RATE OF 600 POUNDS/AC

SCALE: NONE

CEP-Ds2

DISTURBD AREA STABILIZATION (TEMP.)

PLANTS, PLANTING RATES AND PLANTING DATES FOR TEMPORARY COVER

SPECIES	BROADCAST PER ACRE	BROADCAST PER 1000 S.F.	RESOURCE AREA	PLANTING DATES (J F M A M J J A S O N D)	REMARKS
BARLEY (HORDEUM VULGARE) ALONE / IN MIXTURES	144 LBS. / 24 LBS.	3.3 LBS. / 0.6 LBS.	M-L 4/ P C		14,000 SEED PER POUND WINTERHARDY. USE ON PRODUCTIVE SOILS.
LESPEDEZA, ANNUAL (LESPEDEZA STRIATA) ALONE / IN MIXTURES	40 LBS. / 10 LBS.	0.9 LBS. / 0.2 LBS.	M-L P C		200,000 SEED PER POUND MAY VOLUNTEER FOR SEVERAL YEARS USE INOCULANT EL.
LOVEGRASS, WEEPING (ERAGROTIS CURVULA) ALONE / IN MIXTURES	4 LBS. / 2 LBS.	0.1 LBS. / 0.05 LBS.	M-L P C		1,500,000 SEED PER POUND MAY LAST FOR SEVERAL YEARS. MIX WITH SERICEA LESPEDEZA
MILLET, BROWNTOP (PANICUM FASCICULATUM) ALONE / IN MIXTURES	40 LBS. / 10 LBS.	0.9 LBS. / 0.2 LBS.	M-L P C		137,000 SEED PER POUND. QUICK DENSE COVER. WILL PROVIDE TOO MUCH COMPETITION IN MIXTURES IF SEEDED AT HIGH RATES.
MILLET,PEARL (PENNESETUM GLAUCUM) ALONE	50 LBS.	1.1 LBS.	M-L P C		88,000 SEED PER POUND. QUICK DENSE COVER. MAY REACH 5 FEET IN HEIGHT. NOT RECOMMENDED FOR MIXTURES.
OATS (AVENA SATIVA) ALONE / IN MIXTURES	4 BU (128 LBS.) / 1 BU (32 LBS.)	2.9 LBS. / 0.7 LBS.	M-L P C		13,000 SEED PER POUND. USE ON PRODUCTIVE SOILS. NOT AS WINTER HARDY AS RYE OR BARLEY.
RYE (SECALE CEREALE) ALONE / IN MIXTURES	3 BU (168 LBS.) / 1/2 BU (28 LBS.)	3.9 LBS. / 0.6 LBS.	M-L P C		18,000 SEED PER POUND. QUICK COVER. DROUGHT TOLERANT AND WINTER HARDY.
RYEGRASS, ANNUAL (LOLIUM TEMULENTUM) ALONE	40 LBS.	0.9 LBS.	M-L P C		227,000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.
SUDANGRASS (SORGHUM SUDANESE) ALONE	60 LBS.	1.4 LBS.	M-L P C		55,000 SEED PER POUND. GOOD ON DROUGHTY SITES. NOT RECOMMENDED FOR MIXTURES.
TRITICALE (X-TRITICOSECALE) ALONE / IN MIXTURES	3 BU (144 LBS.) / 1/2 BU (24 LBS.)	3.3 LBS. / 0.6 LBS.	C		USE ON LOWER PART OF SOUTHERN COSTAL PLAIN AND IN ATLANTIC COSTAL FLATWOODS ONLY .
WHEAT (TRITICUM AESTIVUM) ALONE / IN MIXTURES	3 BU (168 LBS.) / 1/2 BU (30 LBS.)	4.1 LBS. / 0.7 LBS.	M-L P C		15,000 SEED PER POUND. WINTERHARDY.

M-L REPRESENTS TO MOUNTAIN; BLUE RIDGE; AND RIDGES AND VALLEYS MLRA'S
P REPRESENTS THE SOUTHERN PIEDMONT MLRA.
C REPRESENTS THE SOUTHERN COASTAL PLAIN; SAND HILLS; BLACK LANDS; AND ATLANTIC COAST FLATWOODS MLRA'S.

REQUIREMENTS FOR REGULATORY COMPLIANCE:

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE. TEMPORARY GRASSING, INSTEAD OF MULCH, CAN BE APPLIED TO ROUGH GRADED AREAS THAT WILL BE EXPOSED FOR LESS THAN SIX MONTHS. IF AN AREA IS EXPECTED TO BE UNDISTURBED FOR LONGER THAN SIX MONTHS, PERMANENT PERENNIAL VEGETATION SHALL BE USED. IF OPTIMUM PLANTING CONDITIONS FOR TEMPORARY GRASSING IS LACKING, MULCH CAN BE USED AS A SINGULAR EROSION CONTROL DEVISE FOR UP TO SIX MONTHS. HOWEVER, THE MULCH SHALL BE APPLIED AT THE APPROPRIATE DEPTH, ANCHORED, AND HAVE A CONTINUOUS 90% OR GREATER COVERAGE OF THE SOIL SURFACE. REFER TO SPECIFICATION Ds1-DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING).

CONSTRUCTION SPECIFICATIONS:

GRADING AND SHAPING
EXCESSIVE WATER RUN-OFF SHALL BE REDUCED BY PROPERLY DESIGNED AND INSTALLED EROSION CONTROL PRACTICES SUCH AS CLOSED DRAINS, DITCHES, DIKES, DIVERSIONS, SEDIMENT BARRIERS AND OTHERS. NO SHAPING OR GRADING IS REQUIRED IF SLOPES CAN BE STABILIZED BY HAND-SEEDED VEGETATION OR IF HYDRAULIC SEEDING EQUIPMENT IS TO BE USED.

SEEDBED PREPARATION
WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED. WHEN USING CONVENTIONAL OR HANDSEEDING, SEEDBED PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL. WHEN SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH CUT SLOPES, THE SOIL SHALL BE PITTED, TRENCHED OR OTHERWISE SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.

LIME AND FERTILIZER
AGRICULTURAL LIME IS REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE. APPLY AGRICULTURAL LIME AT A RATE DETERMINED BY SOIL TEST FOR PH. QUICK ACTING LIME SHOULD BE INCORPORATED TO MODIFY PH DURING THE GERMINATION PERIOD. BIO STIMULANTS SHOULD ALSO BE CONSIDERED WHEN THERE IS LESS THAN 3% ORGANIC MATTER IN THE SOIL. GRADED AREAS REQUIRE LIME APPLICATION. SOILS MUST BE TESTED TO DETERMINE REQUIRED AMOUNTS OF FERTILIZER AND AMENDMENTS. FERTILIZER SHOULD BE APPLIED BEFORE LAND PREPARATION AND INCORPORATED WITH A DISK, RIPPER, OR CHISEL. ON SLOPES TOO STEEP FOR, OR INACCESSIBLE TO EQUIPMENT, FERTILIZER SHALL BE HYDRAULICALLY APPLIED, PREFERABLY IN THE FIRST PASS WITH SEED AND SOME HYDRAULIC MULCH, THEN TOPPED WITH THE REMAINING REQUIRED APPLICATION RATE.

SEEDING
SELECT A GRASS OR GRASS-LEGUME MIXTURE SUITABLE TO THE AREA AND SEASON OF THE YEAR. SEED SHALL BE APPLIED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTI-PACKER-SEEDER, OR HYDRAULIC SEEDER (SLURRY INCLUDING SEED AND FERTILIZER). DRILL OR CULTIPACKER SEEDERS SHOULD NORMALLY PLACE SEED ONE-QUARTER TO ONE-HALF INCH DEEP. APPROPRIATE DEPTH OF PLANTING IS TEN TIMES THE SEED DIAMETER. SOIL SHOULD BE "RAKED" LIGHTLY TO COVER SEED WITH SOIL IF SEEDED BY HAND.

MULCHING
TEMPORARY VEGETATION CAN, IN MOST CASES, BE ESTABLISHED WITHOUT THE USE OF MULCH. MULCH WITHOUT SEEDING SHOULD BE CONSIDERED FOR SHORT TERM PROTECTION. REFER TO DS1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY).

IRRIGATION
DURING TIMES OF DROUGHT, WATER SHALL BE APPLIED AT A RATE NOT CAUSING RUNOFF AND EROSION. THE SOIL SHALL BE THOROUGHLY WETTED TO A DEPTH THAT WILL INSURE GERMINATION OF THE SEED. SUBSEQUENT APPLICATIONS SHOULD BE MADE WHEN NEEDED.

TEMPORARY SEEDING SHALL BE USED IN ACCORDANCE WITH SPECIFICATION Ds2 - DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING) THE M.E.S.C.I.G.

Ds2

SCALE: NONE

CEP-Ds3

DISTURBED AREA STABILIZATION (PERM.)

SPECIES	BROADCAST PER ACRE	BROADCAST PER 1000 S.F.	RESOURCE AREA	PLANTING DATES (J F M A M J J A S O N D)	REMARKS
BERMUDA, COMMON HULLED SEED ALONE / W/OTHER PERENNIALS	10 LBS. / 6 LBS.	0.2 LBS. / 0.1 LBS.	P C		1,787,000 SEED PER POUND. QUICK COVER. LOW GROWING AND SOD FORMING. FULL SUN. GOOD FOR ATHLETIC FIELDS
BERMUDA, COMMON UNHULLED SEED W/ TEMP COVER / W/OTHER PERENNIALS	10 LBS. / 6 LBS.	0.2 LBS. / 0.1 LBS.	P C		PLANT WITH WINTER ANNUALS / PLANT WITH TALL FESCUE
CENTIPEDE (EREMOCHLOA OPHIUROIDES)	BLOCK SOD ONLY		P C		DROUGHT TOLERANT. FULL SUN OR PARTIAL SHADE. EFFECTIVE ADJACENT TO CONC. AND IN CONCENTRATED FLOW AREAS. IRRIGATION IS NEEDED UNTIL FULLY ESTABLISHED. DO NOT PLANT NEAR PASTURES.
CROWNVETECH (CORONILLA VARIA) WITH WINTER ANNUALS OR COOL SEASON GRASSES	15 LBS.	0.3 LBS.	M-L P		100,000 SEED PER POUND. DENSE GROWTH. DROUGHT TOLERANT AND FIRE RESISTANT. USE FROM NORTH ATLANTA AND NORTHWARD.
FESCUE, TALL (FESTUCA ARUNDINACEA) ALONE / W/OTHER PERENNIALS	50 LBS / 30 LBS	1.1 LBS. / 0.7 LBS.	M-L P		227,000 SEED PER POUND. USE ALONE ONLY ON BETTER SITES. MIX WITH PERENNIAL LESPEDEZA OR CROWNVETCH. APPLY TOPDRESSING IN SPRING FOLLOWING FALL PLANTINGS. NOT FOR HEAVY USE AREAS OR ATHLETIC FIELDS
LESPEDEZA, SERICEA (LESPEDEZA CUNEATA) SCARIFIED	60 LBS.	1.4 LBS.	M-L P C		350,000 SEED PER POUND. WIDELY ADAPTED. LOW MAINTENANCE. MIX W/ WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA, OR TALL FESCUE. TAKES 2-3 YRS TO BECOME FULLY ESTABLISHED. EXCELLENT ON ROAD BANKS. INOCULATE SEED W/ EL INOCULANT.
UNSCARIFIED	75 LBS.	1.7 LBS.	M-L P C		MIX WITH TALL FESCUE OR WINTER ANNUALS.
LESPEDEZA (AMBRO VIRGATA) SCARIFIED	60 LBS.	1.4 LBS.	M-L P C		300,000 SEED PER POUND. HEIGHT OF GROWTH IS 18 TO 24 INCHES. ADVANTAGES IN URBAN AREAS. MIX W/ WEEPING LOVEGRASS, COMMON BERMUDA BAHIA, TALL FESCUE, OR WINTER ANNUALS. INOCULATE SEED W/ EL INOCULANT.
UNSCARIFIED	75 LBS.	1.7 LBS.	M-L P C		
LOVEGRASS, WEEPING (ERAGROSTIS CURVULA) ALONE / W/OTHER PERENNIALS	4 LBS. / 2 LBS.	0.1 LBS. / 0.05 LBS.	M-L P C		1,500,000 SEED PER POUND. QUICK COVER. DROUGHT TOLERANT. GROWS WELL WTIH SERICEA LESPEDEZA ON ROAD BANKS.
REED CANARY GRASS (PHALARIS ARUNDINACEA) ALONE / W/OTHER PERENNIALS	50 LBS. / 30 LBS.	1.1 LBS. / 0.7 LBS.	M-L P		GROWS SIMILAR TO TALL FESCUE.
BAHIA PENSACOLA (Paspalum Notatum) ALONE OR W/ TEMP. COVER / W/ OTHER PERENNIALS	60 LBS. / 30 LBS.	1.4 LBS. / 0.7 LBS.	P C		166,000 SEED PER POUND, LOW GROWING. SOD FORMING. SLOW TO ESTABLISH. PLANT WITH A COMPANION CROP. WILL SPREAD INTO BERMUDA PASTURES AND LAWNS. MIX WITH SERICEA, LESPEDEZA, OR WEEPING LOVEGRASS.
BAHIA WILMINGTON (Paspalum Notatum) ALONE OR W/ TEMP. COVER / W/ OTHER PERENNIALS	60 LBS. / 30 LBS.	1.4 LBS. / 0.7 LBS.	M-L P		SAME AS ABOVE.

M-L REPRESENTS TO MOUNTAIN; BLUE RIDGE; AND RIDGES AND VALLEYS MLRA'S
P REPRESENTS THE SOUTHERN PIEDMONT MLRA.
C REPRESENTS THE SOUTHERN COASTAL PLAIN; SAND HILLS; BLACK LANDS; AND ATLANTIC COAST FLATWOODS MLRA'S.

CONSTRUCTION SPECIFICATIONS:

GRADING AND SHAPING
GRADING AND SHAPING MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. VERTICAL BANKS SHALL BE SLOPED TO ENABLE PLANT ESTABLISHMENT.
WHEN CONVENTIONAL SEEDING AND FERTILIZING ARE TO BE DONE, GRADE AND SHAPE WHERE FEASIBLE AND PRACTICAL, SO THAT EQUIPMENT CAN BE USED SAFELY AND EFFICIENTLY DURING SEEDBED PREPARATION, SEEDING, MULCHING AND MAINTENANCE OF THE VEGETATION. CONCENTRATIONS OF WATER THAT WILL CAUSE EXCESSIVE SOIL EROSION SHALL BE DIVERTED TO A SAFE OUTLET. DIVERSIONS AND OTHER TREATMENT PRACTICES SHALL CONFORM WITH THE APPROPRIATE STANDARDS AND SPECIFICATIONS.

LIME AND FERTILIZER RATES AND ANALYSIS
AGRICULTURAL LIME IS REQUIRED AT THE RATE OF ONE TO TWO TONS PER ACRE UNLESS SOIL TESTS INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICATION. IF LIME IS APPLIED WITHIN SIX MONTHS OF PLANTING PERMANENT PERENNIAL VEGETATION, ADDITIONAL LIME IS NOT REQUIRED. AGRICULTURAL LIME SHALL BE WITHIN THE SPECIFICATIONS OF THE GEORGIA DEPARTMENT OF AGRICULTURE.
LIME SPREAD BY CONVENTIONAL EQUIPMENT SHALL BE "GROUND LIMESTONE." GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THAT 90 PERCENT OF THE MATERIAL WILL PASS THROUGH A 10-MESH SIEVE, NOT LESS THAN 50 PERCENT WILL PASS THROUGH A 50-MESH SIEVE AND NOT LESS THAN 25 PERCENT WILL PASS THROUGH A 100-MESH SIEVE.
FAST-ACTING LIME SPREAD BY HYDRAULIC SEEDING EQUIPMENT SHOULD BE "FINELY GROUND LIMESTONE" SPANNING FROM THE 180 MICRON SIZE TO THE 5 MICRON SIZE. FINELY GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THAT 95 PERCENT OF THE MATERIAL WILL PASS THROUGH A 100-MESH SIEVE.
IT IS DESIRABLE TO USE DOLOMITIC LIMESTONE IN THE SAND HILLS, SOUTHERN COASTAL PLAIN AND ATLANTIC COAST FLATWOODS MLRAS. (SEE FIGURE 6-4.1) AGRICULTURAL LIME IS GENERALLY NOT REQUIRED WHERE ONLY TREES ARE PLANTED.
INITIAL FERTILIZATION, NITROGEN, TOP DRESSING, AND MAINTENANCE FERTILIZER REQUIREMENTS FOR EACH SPECIES OR COMBINATION OF SPECIES ARE LISTED IN TABLE 6-5.1.

LIME AND FERTILIZER APPLICATION
WHEN HYDRAULIC SEEDING EQUIPMENT IS USED, THE INITIAL FERTILIZER SHALL BE MIXED WITH SEED, INNOCULANT (IF NEEDED), AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH AND APPLIED IN A SLURRY. THE INNOCULANT, IF NEEDED, SHALL BE MIXED WITH THE SEED PRIOR TO BEING PLACED INTO THE HYDRAULIC SEEDER. THE SLURRY MIXTURE WILL BE AGITATED DURING APPLICATION TO KEEP THE INGREDIENTS THOROUGHLY MIXED. THE MIXTURE WILL BE SPREAD UNIFORMLY OVER THE AREA WITHIN ONE HOUR AFTER BEING PLACED IN THE HYDROSEEDER.
FINELY GROUND LIMESTONE WILL BE MIXED WITH WATER AND APPLIED IMMEDIATELY AFTER MULCHING IS COMPLETED OR IN COMBINATION WITH THE TOP DRESSING. WHEN CONVENTIONAL PLANTING IS TO BE DONE, LIME AND FERTILIZER SHALL BE APPLIED UNIFORMLY IN ONE OF THE FOLLOWING WAYS:
1. APPLY BEFORE LAND PREPARATION SO THAT IT WILL BE MIXED WITH THE SOIL DURING SEEDBED PREPARATION.
2. MIX WITH THE SOIL USED TO FILL THE HOLES, DISTRIBUTE FURROWS.
3. BROADCAST AFTER STEEP SURFACES ARE SCARIFIED,PITTED OR TRENCHED.
4. A FERTILIZER PELLET SHALL BE PLACED AT ROOT DEPTH IN THE CLOSING HOLE BESIDE EACH PINE TREE SEEDLING.

PLANT SELECTION
REFER TO TABLES 6-4.1, 6-5.2, 6-5.3 AND 6-5.4 FOR APPROVED SPECIES. SPECIES NOT LISTED SHALL BE APPROVED BY THE STATE RESOURCE CONSERVATIONIST OF THE NATURAL RESOURCES CONSERVATION SERVICE BEFORE THEY ARE USED. PLANTS SHALL BE SELECTED ON THE BASIS OF SPECIES CHARACTERISTICS, SITE AND SOIL CONDITIONS, PLANNED USE AND MAINTENANCE OF THE AREA; TIME OF YEAR OF PLANTING, METHOD OF PLANTING; AND THE NEEDS AND DESIRES OF THE LAND USER. SOME PERENNIAL SPECIES ARE EASILY ESTABLISHED AND CAN BE PLANTED ALONE. EXAMPLES OF THESE ARE COMMON BERMUDA, TALL FESCUE, AND WEEPING LOVEGRASS. OTHER PERENNIALS, SUCH AS BAHIA GRASS AND SERICEALESPEDEZA, ARE SLOW TO BECOME ESTABLISHED AND SHOULD BE PLANTED WITH ANOTHER PERENNIAL SPECIES. THE ADDITIONAL SPECIES WILL PROVIDE QUICK COVER AND AMPLE SOIL PROTECTION UNTIL THE TARGET PERENNIAL SPECIES BECOME ESTABLISHED. FOR EXAMPLE, COMMON SEEDING COMBINATIONS ARE 1) WEEPING LOVEGRASS WITH SERICEA LESPEDEZA (SCARIFI ED) AND 2) TALL FESCUE WITH SERICEA LESPEDEZA (UNSCARIFI ED). PLANT SELECTION MAY ALSO INCLUDE ANNUAL COMPANION CROPS. ANNUAL COMPANION CROPS SHOULD BE USED ONLY WHEN THE PERENNIAL SPECIES ARE NOT PLANTED DURING THEIR OPTIMUM PLANTING PERIOD. A COMMON MIXTURE IS BROWN TOP MILLET WITH COMMON BERMUDA IN MID-SUMMER. CARE SHOULD BE TAKEN IN SELECTING COMPANION CROP SPECIES AND SEEDING RATES BECAUSE ANNUAL CROPS WILL COMPETE WITH PERENNIAL SPECIES FOR WATER, NUTRIENTS, AND GROWING SPACE. A HIGH SEEDING RATE OF THE COMPANION CROP MAY PREVENT THE ESTABLISHMENT OF PERENNIAL SPECIES.
RYEGRASS SHALL NOT BE USED IN ANY SEEDING MIXTURES CONTAINING PERENNIAL SPECIES DUE TO ITS ABILITY TO OUT-COMPETE DESIRED SPECIES CHOSEN FOR PERMANENT PERENNIAL COVER.

SEED QUALITY
THE TERM "PURE LIVE SEED" IS USED TO EXPRESS THE QUALITY OF SEED AND IS NOT SHOWN ON THE LABEL. PURE LIVE SEED, PLS, IS EXPRESSED AS A PERCENTAGE OF THE SEEDS THAT ARE PURE AND WILL GERMINATE. INFORMATION ON PERCENT GERMINATION AND PURITY CAN BE FOUND ON SEED TAGS. PLS IS DETERMINED BY MULTIPLYING THE PERCENT OF PURE SEED WITH THE PERCENT OF GERMINATION; I.E., (PLS = % GERMINATION X % PURITY)
EXAMPLE: COMMON BERMUDA SEED 70% GERMINATION, 80% PURITY
PLS = 70% GERMINATION X 80% PURITY
PLS = 56%
THE PERCENT OF PLS HELPS YOU DETERMINE THE AMOUNT OF SEED YOU NEED. IF THE SEEDING RATE IS 10 POUNDS PLS AND THE BULK SEED IS 56 % PLS, THE BULK SEEDING RATE IS:
10 LBS. PLS/ACRE = 17.9 LBS/ACRE
56% PLS
YOU WOULD NEED TO PLANT 17.9 LBS/ACRE TO PROVIDE 10 LBS/ACRE OF PURE LIVE SEED.

SEEDBED PREPARATION
SEEDBED PREPARATION MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED (BUT IS STRONGLY RECOMMENDED FOR ANY SEEDING PROCESS, WHEN POSSIBLE). WHEN CONVENTIONAL SEEDING IS TO BE USED, SEEDBED PREPARATION WILL BE DONE AS FOLLOWS:
BROADCAST PLANTINGS
1. TILLAGE AT A MINIMUM, SHALL ADEQUATELY LOOSEN THE SOIL TO A DEPTH OF 4 TO 6 INCHES; ALLEVIATE COMPACTION; INCORPORATE LIME AND FERTILIZER; SMOOTH AND FIRM THE SOIL; ALLOW FOR THE PROPER PLACEMENT OF SEED, SPRIGS, OR PLANTS; AND ALLOW FOR THE ANCHORING OF STRAW OR HAY MULCH IF A DISK IS TO BE USED.
2. TILLAGE MAY BE DONE WITH ANY SUITABLE EQUIPMENT.
3. TILLAGE SHOULD BE DONE ON THE CONTOUR WHERE FEASIBLE.
4. ON SLOPES TOO STEEP FOR THE SAFE OPERATION OF TILLAGE EQUIPMENT, THE SOIL SURFACE SHALL BE PITTED OR TRENCHED ACROSS THE SLOPE WITH APPROPRIATE HAND TOOLS TO PROVIDE TWO PLACES 6 TO 8 INCHES APART IN WHICH SEED MAY LODGE AND GERMINATE. HYDRAULIC SEEDING MAY ALSO BE USED.
INDIVIDUAL PLANTS
1. WHERE INDIVIDUAL PLANTS ARE TO BE SET, THE SOIL SHALL BE PREPARED BY EXCAVATING HOLES, OPENING FURROWS, OR DIBBLE PLANTING.
2. FOR NURSERY STOCK PLANTS, HOLES SHALL BE LARGE ENOUGH TO ACCOMMODATE ROOTS WITHOUT CROWDING.
3. WHERE PINE SEEDLINGS ARE TO BE PLANTED, SUBSOIL UNDER THE ROW 36 INCHES DEEP ON THE CONTOUR FOUR TO SIX MONTHS PRIOR TO PLANTING. SUBSOILING SHOULD BE DONE WHEN THE SOIL IS DRY, PREFERABLY IN AUGUST OR SEPTEMBER.
INNOCULANTS
ALL LEGUME SEED SHALL BE INOCULATED WITH APPROPRIATE NITROGEN-FIXING BACTERIA. THE INNOCULANT SHALL BE A PURE CULTURE PREPARED SPECIFICALLY FOR THE SEED SPECIES AND USED WITHIN THE DATES ON THE CONTAINER.
A MIXING MEDIUM RECOMMENDED BY THE MANUFACTURER SHALL BE USED TO BOND THE INNOCULANT TO THE SEED. FOR CONVENTIONAL SEEDING, USE TWICE THE AMOUNT OF INNOCULANT RECOMMENDED BY THE MANUFACTURER. FOR HYDRAULIC SEEDING, FOUR TIMES THE AMOUNT OF INNOCULANT RECOMMENDED BY THE MANUFACTURER SHALL BE USED.
ALL INOCULATED SEED SHALL BE PROTECTED FROM THE SUN AND HIGH TEMPERATURES AND SHALL BE PLANTED THE SAME DAY INOCULATED. NO INOCULATED SEED SHALL REMAIN IN THE HYDRO SEEDER LONGER THAN ONE HOUR.
HYDRAULIC SEEDING
MIX THE SEED (INNOCULATED IF NEEDED), FERTILIZER, AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH WITH WATER AND APPLY IN A SLURRY UNIFORMLY OVER THE AREA TO BE TREATED. APPLY WITHIN ONE HOUR AFTER THE MIXTURE IS MADE.
CONVENTIONAL SEEDING
SEEDING WILL BE DONE ON A FRESHLY PREPARED AND FIRMED SEEDBED. FOR BROADCAST PLANTING, USE A CULTI-PACKERSEEDER, DRILL, ROTARY SEEDER, OTHER MECHANICAL SEEDER, OR HAND SEEDING TO DISTRIBUTE THE SEED UNIFORMLY OVER THE AREA TO BE TREATED. COVER THE SEED LIGHTLY WITH 1/8 TO 1/4 INCH OF SOIL FOR SMALL SEED AND 1/2 TO 1 INCH FOR LARGE SEED WHEN USING A CULTIPACKER OR OTHER SUITABLE EQUIPMENT.
NO-TILL SEEDING
NO-TILL SEEDING IS PERMISSIBLE INTO ANNUAL COVER CROPS WHEN PLANTING IS DONE FOLLOWING MATURITY OF THE COVER CROP OR IF THE TEMPORARY COVER STAND IS SPARSE ENOUGH TO ALLOW ADEQUATE GROWTH OF THE PERMANENT (PERENNIAL) SPECIES. NO-TILL SEEDING SHALL BE DONE WITH APPROPRIATE NO-TILL SEEDING EQUIPMENT. THE SEED MUST BE UNIFORMLY DISTRIBUTED AND PLANTED AT THE PROPER DEPTH.
INDIVIDUAL PLANTS
SHRUBS, VINES AND SPRIGS MAY BE PLANTED WITH APPROPRIATE PLANTERS OR HAND TOOLS. PINE TREES SHALL BE PLANTED MANUALLY IN THE SUBSOIL FURROW. EACH PLANT SHALL BE SET IN A MANNER THAT WILL AVOID CROWDING THE ROOTS. NURSERY STOCK PLANTS SHALL BE PLANTED AT THE SAME DEPTH OR SLIGHTLY DEEPER THAN THEY GREW AT THE NURSERY. THE TIPS OF VINES AND SPRIGS MUST BE AT OR SLIGHTLY ABOVE THE GROUND SURFACE. WHERE INDIVIDUAL HOLES ARE DUG, FERTILIZER SHALL BE PLACED IN THE BOTTOM OF THE HOLE, TWO INCHES OF SOIL SHALL BE ADDED AND THE PLANT SHALL BE SET IN THE HOLE.

MULCHING
MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% TO 100% SOIL COVER. WHEN SELECTING A MULCH, DESIGN PROFESSIONALS SHOULD CONSIDER THE MULCH'S FUNCTIONAL LONGEVITY, VEGETATION ESTABLISHMENT ENHANCEMENT, AND EROSION CONTROL EFFECTIVENESS. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED:
1. DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. DRY HAY SHALL BE APPLIED AT A RATE OF 2 1/2 TONS PER ACRE.
2. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE. DRY STRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYDRAULIC SEEDING.
3. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER, WHICH INCLUDES A TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 3/4:1 OR STEEPER.
4. SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF THREE TONS PER ACRE.
5. PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR BEDDING PURPOSES. OTHER SUITABLE MATERIALS IN SUFFI CIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FOR SEEDED AREAS.
6. WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLOCK SOD, MULCH IS NOT REQUIRED.
7. BITUMINOUS TREATED ROVING MAY BE APPLIED ON PLANTED AREAS, SLOPES, IN DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BITUMINOUS TREATED ROVING SHALL BE APPLIED WITHIN 24 HOURS AFTER AN AREA HAS BEEN PLANTED. APPLICATION RATES AND MATERIALS MUST MEET GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS. WOOD CELLULOSE AND WOOD PULP FIBERS SHALL NOT CONTAIN GERMINATION OR GROWTH INHIBITING FACTORS. THEY SHALL BE EVENLY DISPERSED WHEN AGITATED IN WATER. THE FIBERS SHALL CONTAIN A DYE TO ALLOW VISUAL METERING AND AID IN UNIFORM APPLICATION DURING SEEDING.

APPLYING MULCH
STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY WITHIN 24 HOURS AFTER SEEDING AND/OR PLANTING. THE MULCH MAY BE SPREAD BY BLOWER-TYPE SPREADING EQUIPMENT, OTHER SPREADING EQUIPMENT OR BY HAND. MULCH SHALL BE APPLIED TO COVER 75% OF THE SOIL SURFACE. WOOD CELLULOSE OR WOOD FIBER MULCH SHALL BE APPLIED UNIFORMLY WITH HYDRAULIC SEEDING EQUIPMENT.

ANCHORING MULCH
ANCHOR STRAW OR HAY MULCH IMMEDIATELY AFTER APPLICATION BY ONE OF THE FOLLOWING METHODS:
1. HAY AND STRAW MULCH SHALL BE PRESSED INTO THE SOIL IMMEDIATELY AFTER THE MULCH IS SPREAD. A SPECIAL "PACKER DISK"' OR DISK HARROW WITH THE DISKS SET STRAIGHT MAY BE USED. THE DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISKS SHALL BE DULL ENOUGH TO PRESS THE MULCH INTO THE GROUND WITHOUT CUTTING IT, LEAVING MUCH OF IT IN AN ERECT POSITION. MULCH SHALL NOT BE PLOWED INTO THE SOIL.
2. SYNTHETIC TACKIFIERS, BINDERS OR HYDRAULIC MULCH SPECIFI CALLY DESIGNED TO TACK STRAW, SHALL BE APPLIED IN CONJUNCTION WITH OR IMMEDIATELY AFTER THE MULCH IS SPREAD. SYNTHETIC TACKIFI ERS SHALL BE MIXED AND APPLIED ACCORDING TO MANUFACTURER'S SPECIFICATIONS. ALL TACKIFIERS, BINDERS OR HYDRAULIC MULCH SPECIFI CALLY DESIGNED TO TACK STRAW SHOULD BE VERIFIED NONTOXIC THROUGH EPA 2021.0 TESTING. REFER TO TACKIFIERS-TAC
3. RYE OR WHEAT CAN BE INCLUDED WITH FALL AND WINTER PLANTINGS TO STABILIZE THE MULCH. THEY SHALL BE APPLIED AT A RATE OF ONE-QUARTER TO
ONE-HALF BUSHEL PER ACRE.
4. PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH MAY BE NEEDED TO ANCHOR STRAW OR HAY MULCH ON UNSTABLE SOILS AND CONCENTRATED FLOW AREAS. THESE MATERIALS SHALL BE INSTALLED AND ANCHORED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
BEDDING MATERIAL
MULCH IS USED AS A BEDDING MATERIAL TO CONSERVE MOISTURE AND CONTROL WEEDS IN NURSERIES, ORNAMENTAL BEDS, AROUND SHRUBS, AND ON BARE AREAS ON LAWNS.

MATERIAL DEPTH
GRAIN STRAW 4" TO 6"
GRASS HAY 4" TO 6"
PINE NEEDLES 3" TO 5"
WOOD WASTE 4" TO 6"

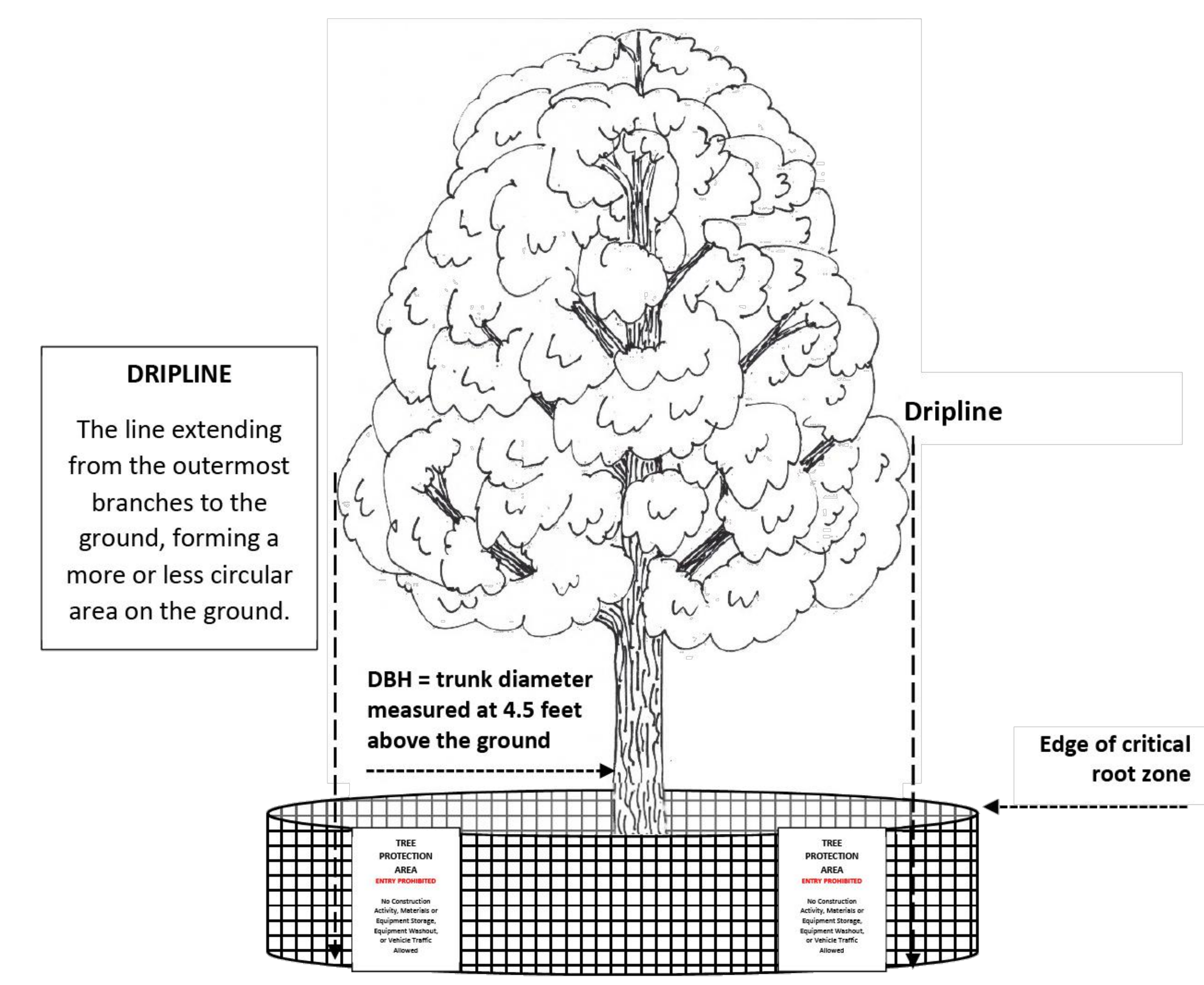
IRRIGATION
IRRIGATION WILL BE APPLIED AT A RATE THAT WILL NOT CAUSE RUNOFF..
TOPDRESSING
TOPDRESSING WILL BE APPLIED ON ALL TEMPORARY AND PERMANENT (PERENNIAL) SPECIES PLANTED ALONE OR IN MIXTURES WITH OTHER SPECIES. RECOMMENDED RATES OF APPLICATION ARE LISTED IN TABLE 6-5.1.
SECOND YEAR AND MAINTENANCE FERTILIZATION
SECOND YEAR FERTILIZER RATES AND MAINTENANCE FERTILIZER RATES ARE LISTED IN TABLE 6-5.1.
LIME MAINTENANCE APPLICATION
APPLY ONE TON OF AGRICULTURAL LIME EVERY 4 TO 6 YEARS OR AS INDICATED BY SOIL TESTS. SOIL TESTS CAN BE CONDUCTED TO DETERMINE MORE ACCURATE REQUIREMENTS. IF DESIRED.
USE AND MANAGEMENT
MOW SERICEA LESPEDEZA ONLY AFTER FROST TO ENSURE THAT THE SEEDS ARE MATURE. MOW BETWEEN NOVEMBER AND MARCH. BERMUDAGRASS, BAHIAGRASS AND TALL FESCUE MAY BE MOWED AS DESIRED. MAINTAIN AT LEAST 6 INCHES OF TOP GROWTH UNDER ANY USE AND MANAGEMENT.MODERATE USE OF TOP GROWTH IS BENEFICIAL AFTER ESTABLISHMENT. EXCLUDE TRAFFIC UNTIL THE PLANTS ARE WELL ESTABLISHED. BECAUSE OF THE QUAIL NESTING SEASON, MOWING SHOULD NOT TAKE PLACE BETWEEN MAY AND SEPTEMBER.

Ds3

SCALE: NONE

City of Milton, Georgia
Chapter 60 - Tree Canopy Conservation Ordinance
TREE CONSERVATION MANUAL

7. Tree Protection Fencing Detail



Orange barrier fencing erected on sturdy posts at the dripline or edge of the critical root zone (distance of 1.5 feet for every 1-inch DBH), *whichever is larger*.

Tree protection area signs must be installed every 50 feet around the perimeter of the tree protection fence.

January 8, 2018 *Page D9*

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE041270 VINCENT M. GUOBAITIS
04-17-2025

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EROSION CONTROL DETAILS
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13970 FREEMANVILLE RD
MILTON, GA 30004

C301

25205

APR 17 2025

REVISIONS

Wednesday, April 16, 2025 05:13:26pm (maxyq)
C:\Team Project\2025\cvLX 25205 - 13970 Freemanville Rd\25205 CDs 04-16-25.dwg [C701]
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