2024 LMIG ROAD IMPROVEMENTS FOR GARDEN CITY, GEORGIA

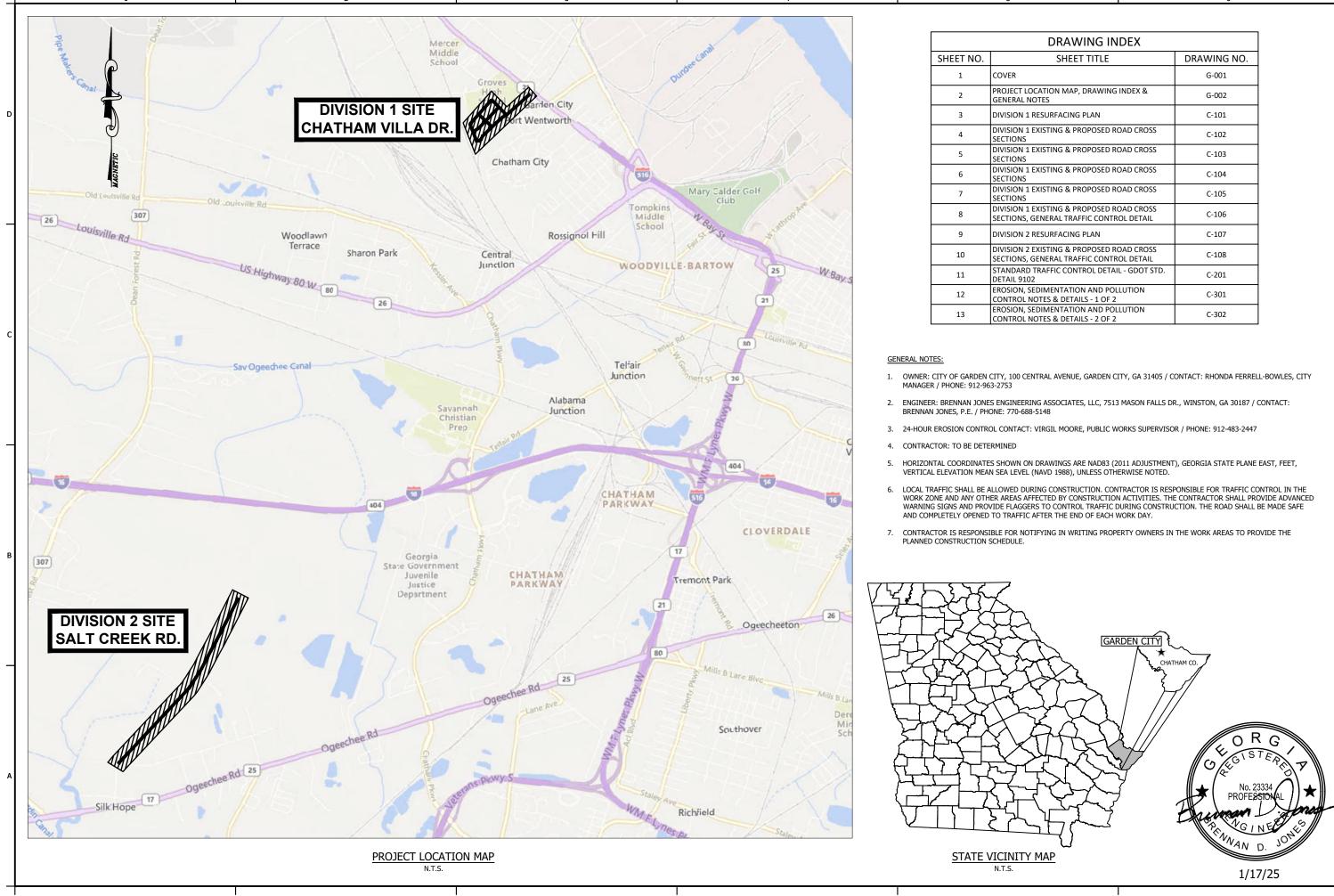
JANUARY 17, 2025

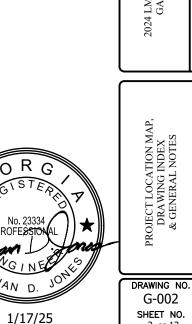




7513 MASON FALLS DR., WINSTON, GEORGIA 30187 (P) 770-688-5148 / (F) 770-577-0300



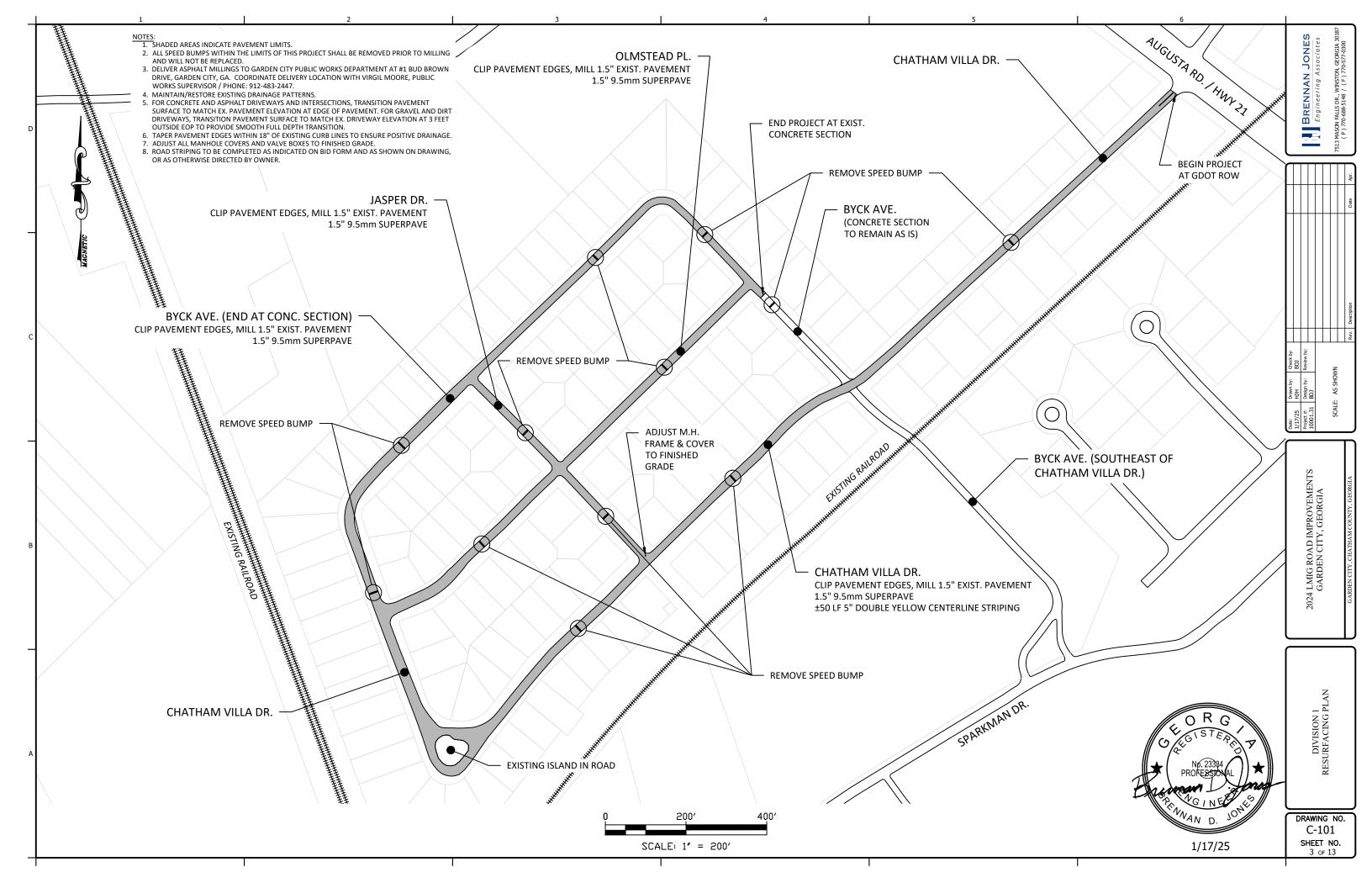


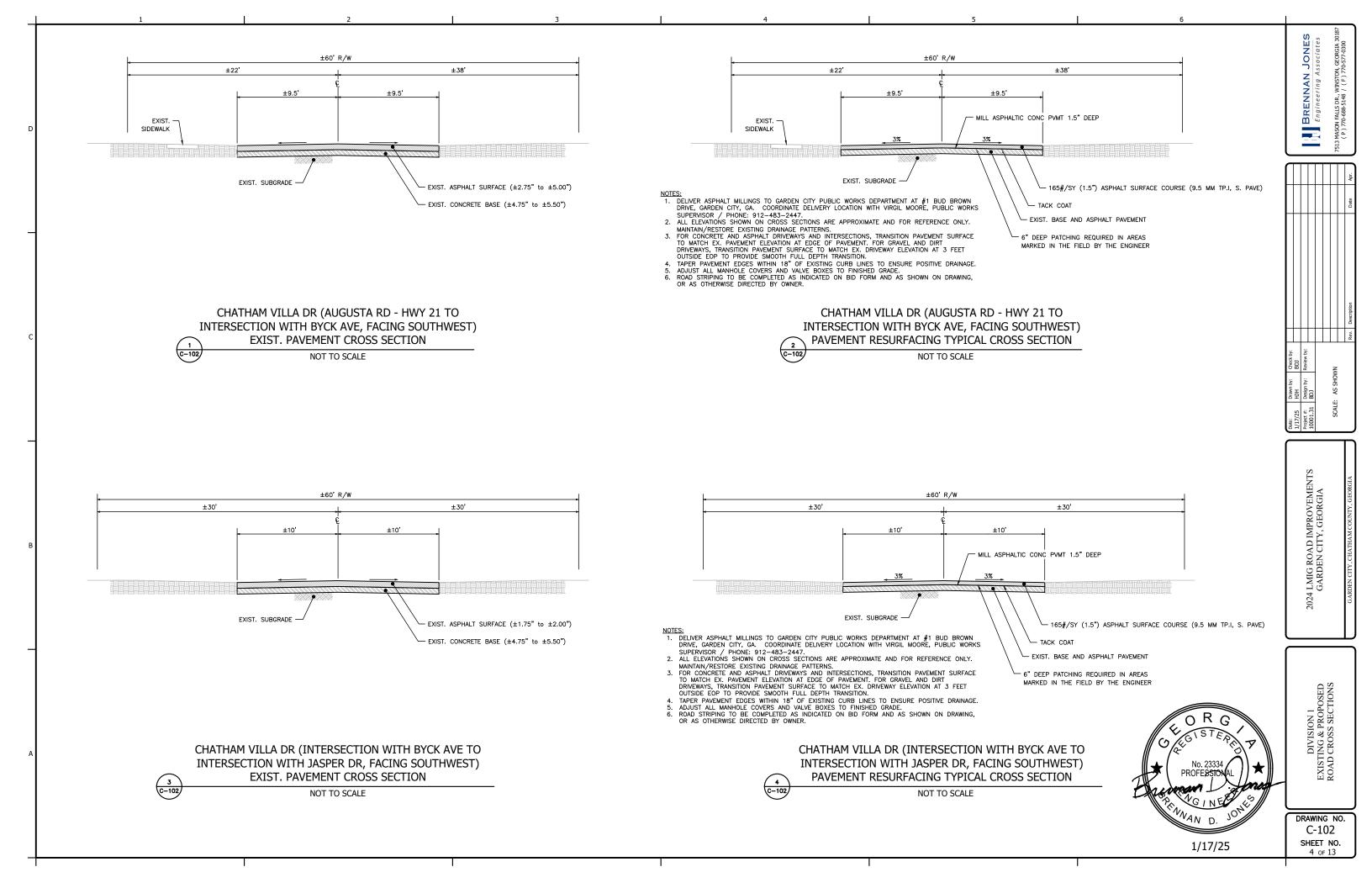


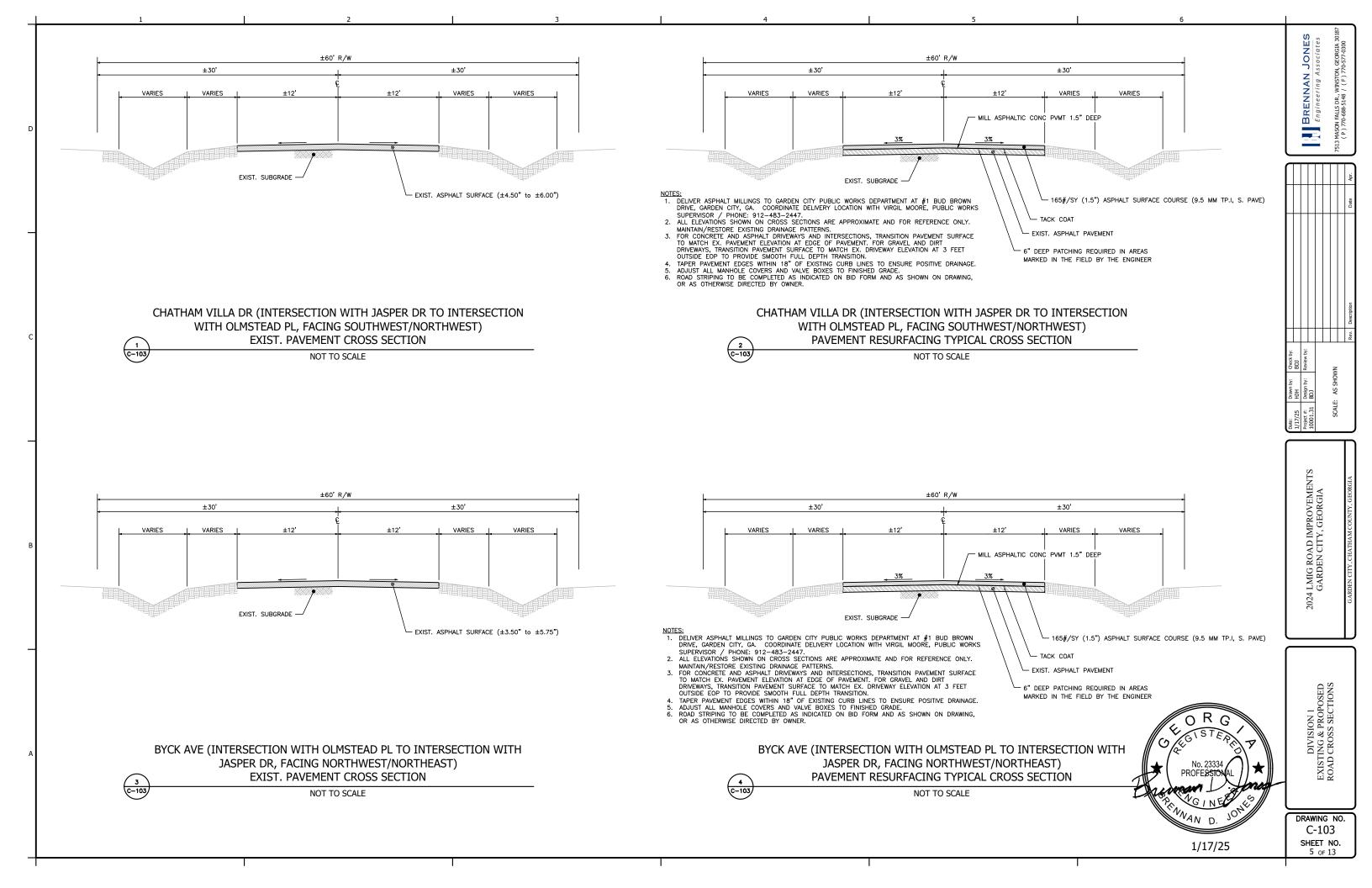
BRENNAN JONES
Engineering Associates '513 MASON FALLS DR., WINSTON, GEORGIA (P) 770-688-5148 / (F) 770-577-0300

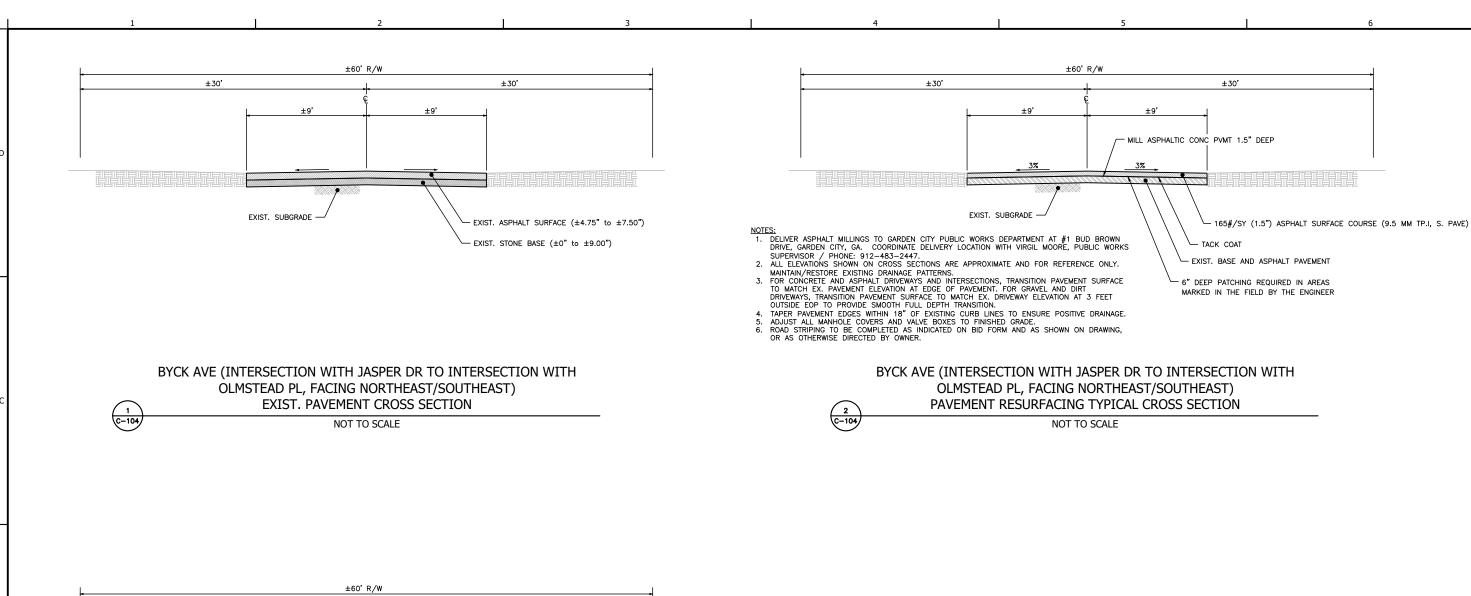
2024 LMIG ROAD IMPROVEMENT GARDEN CITY, GEORGIA

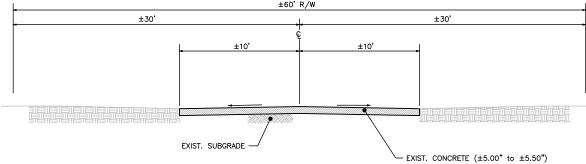
G-002 SHEET NO.







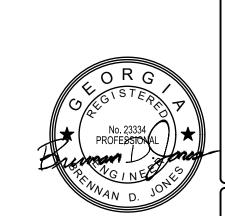




BYCK AVE (INTERSECTION WITH OLMSTEAD PL TO INTERSECTION WITH CHATHAM VILLA DR, FACING SOUTHEAST) EXIST. PAVEMENT CROSS SECTION

C-104

NOT TO SCALE



1/17/25

DIVISION 1 EXISTING & PROPOSED ROAD CROSS SECTIONS

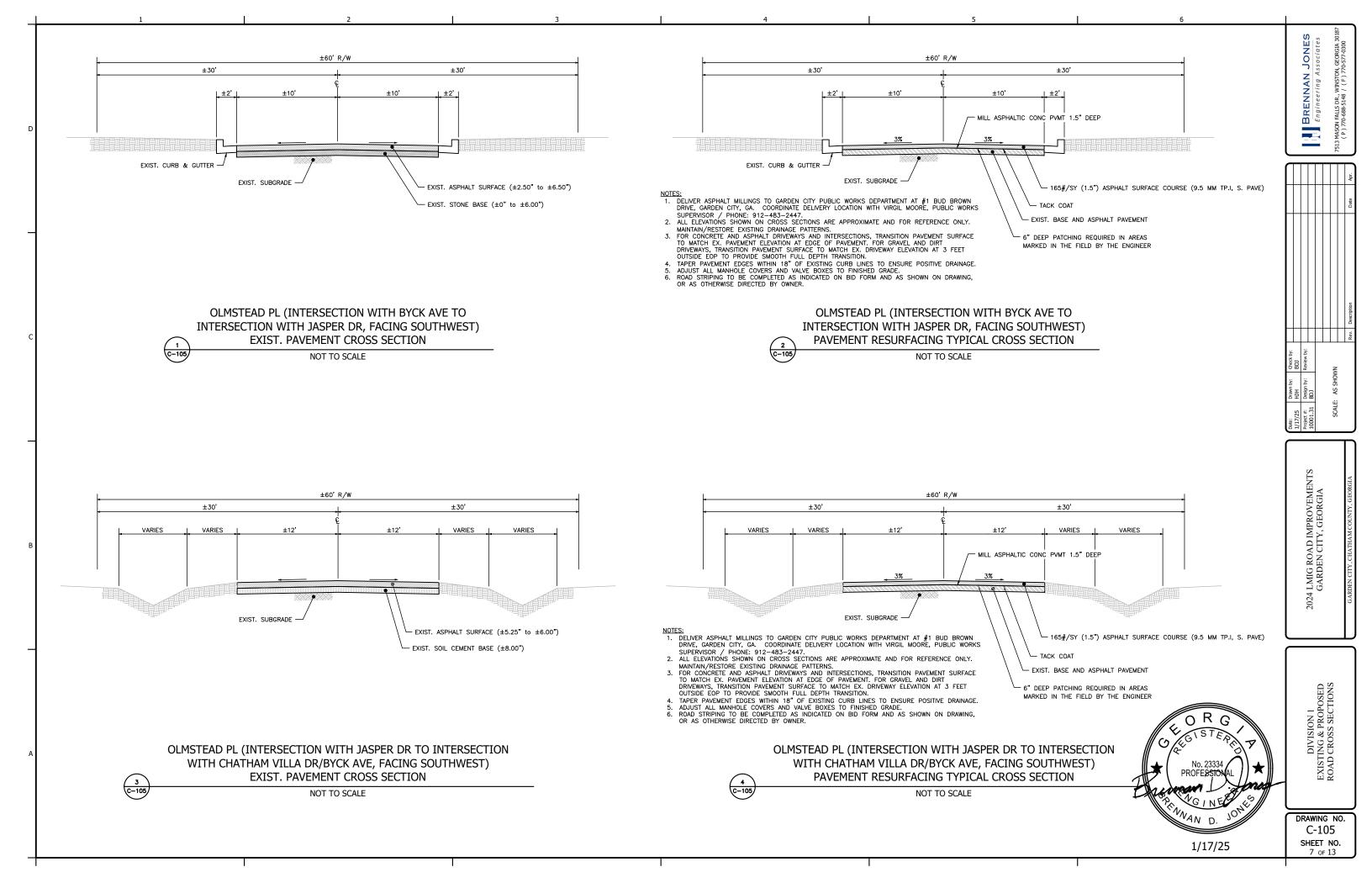
2024 LMIG ROAD IMPROVEMENTS GARDEN CITY, GEORGIA

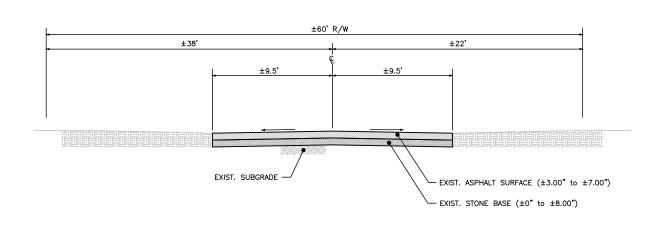
BRENNAN JONES

Engineering Associates

7513 MASON FALLS DR., WINSTON, GEORGIA 3 (P) 770-688-5148 / (F) 770-577-0300

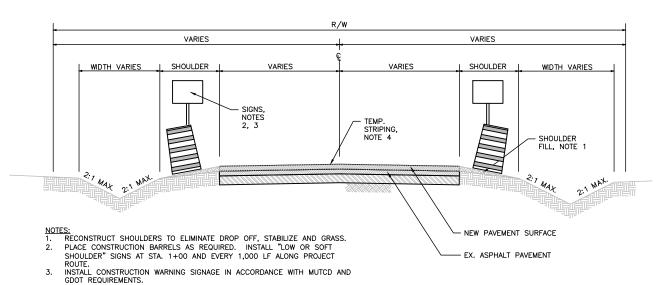
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JASPER DR (FACING NORTHWEST) EXIST. PAVEMENT CROSS SECTION

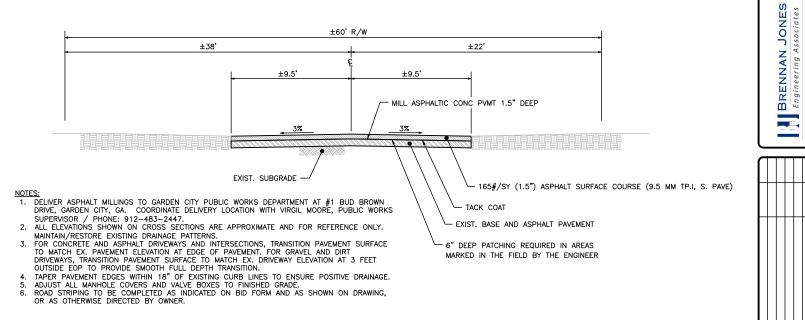
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INSTALL CONTROLLING MAINTING SIGNAL MAINTING CONTRACTOR TO PROVIDE TEMPORARY TAPE/STRIPING UNTIL PERMANENT STRIPING IS COMPLETED.
SUBMIT TRAFFIC CONTROL PLAN TO ENGINEER FOR REVIEW AND APPROVAL.

GENERAL TRAFFIC CONTROL DETAIL (FOR FDR AND PAVEMENT RESURFACING)

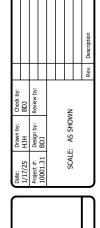
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JASPER DR (FACING NORTHWEST) PAVEMENT RESURFACING TYPICAL CROSS SECTION

C-106

NOT TO SCALE



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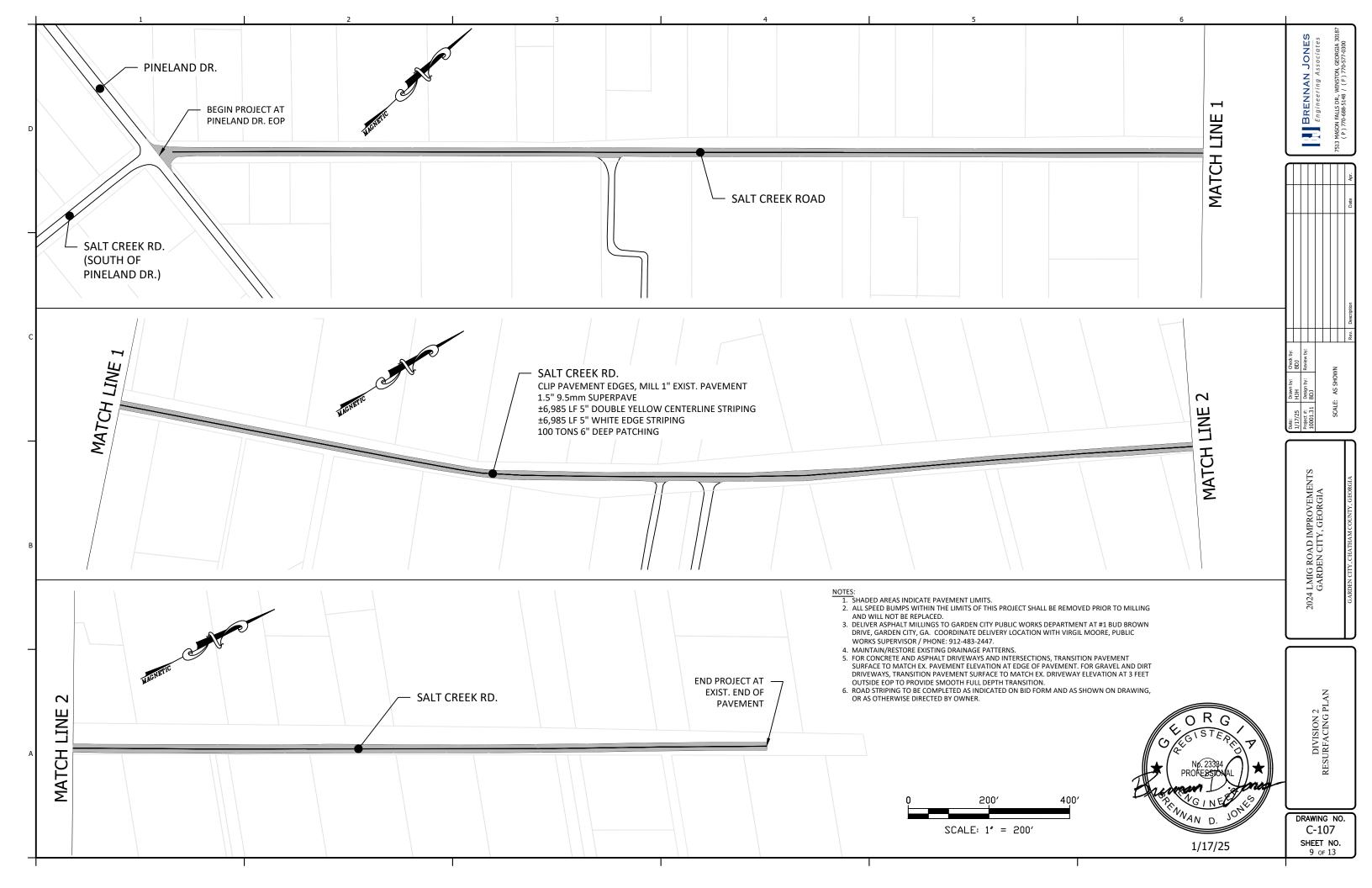
2024 LMIG ROAD IMPROVEMENTS GARDEN CITY, GEORGIA

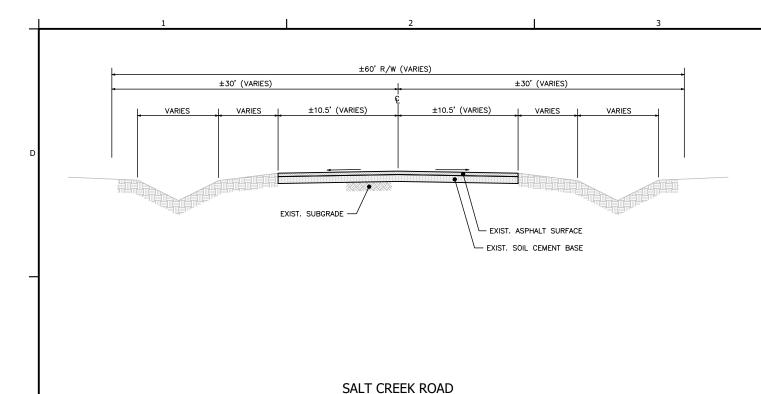
DIVISION 1 EXISTING & PROPOSED ROAD CROSS SECTIONS, GENERAL TRAFFIC CONTROL DETAIL

DRAWING NO. C-106 SHEET NO.

No. 23334 ENNAN D.

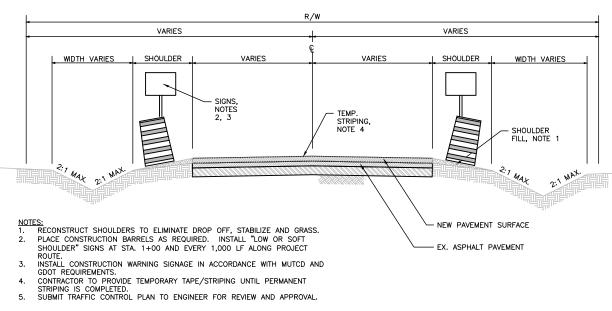
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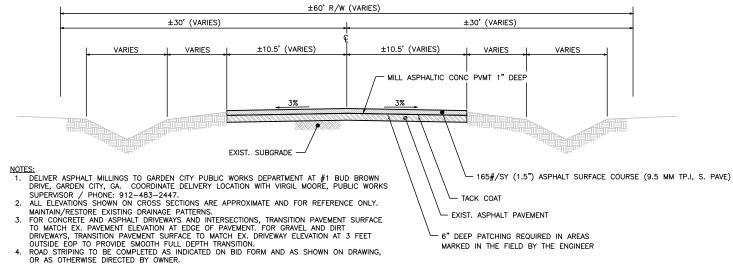
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GENERAL TRAFFIC CONTROL DETAIL (FOR FDR AND PAVEMENT RESURFACING)

(3 C-108

NOT TO SCALE



BRENNAN JONES

Engineering Associates

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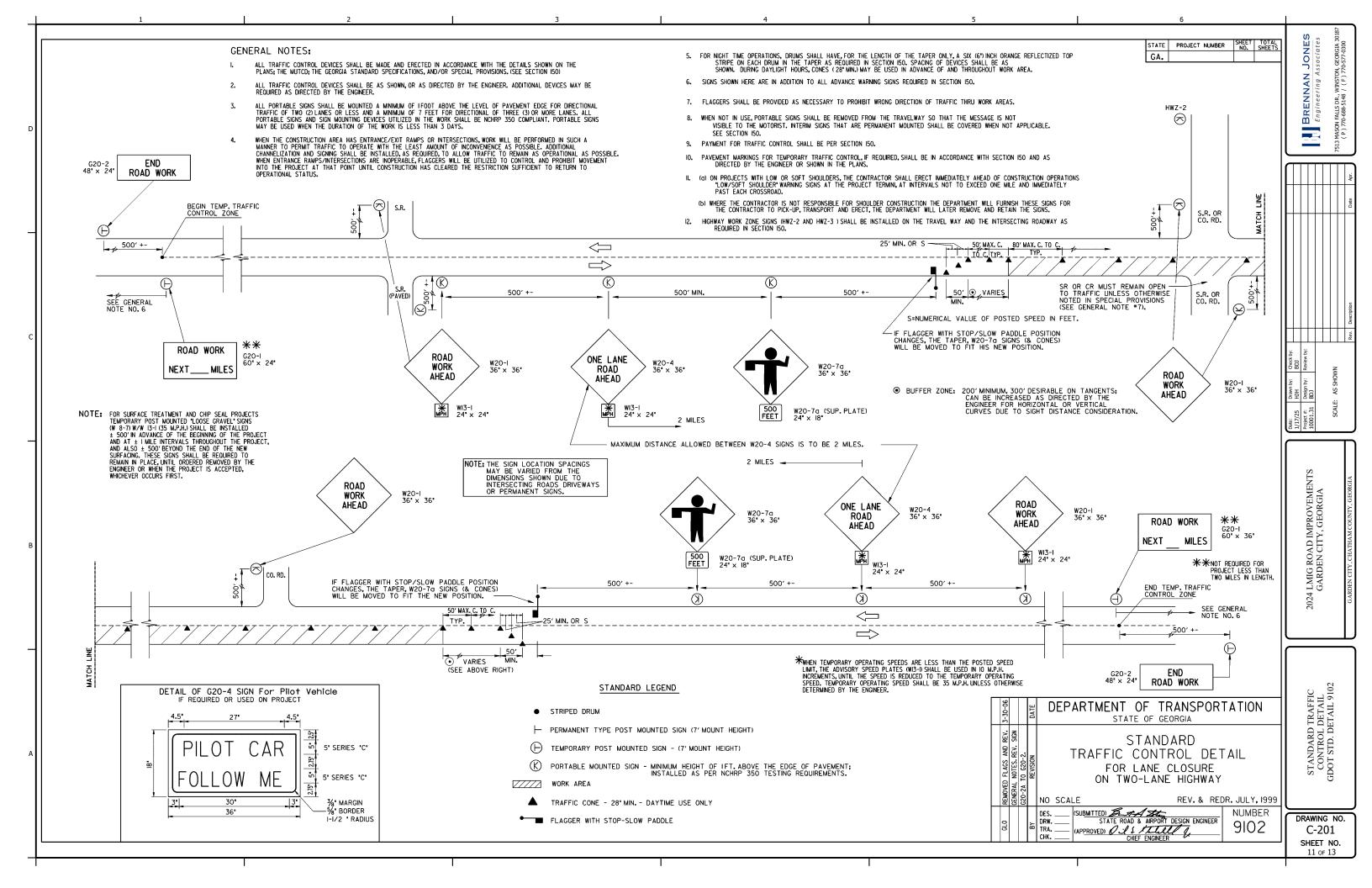
2024 LMIG ROAD IMPROVEMENTS GARDEN CITY, GEORGIA DIVISION 2 EXISTING & PROPOSED ROAD CROSS SECTIONS, GENERAL TRAFFIC CONTROL DETAIL

DRAWING NO. C-108 SHEET NO.

No. 23334 ENNAN D.

1/17/25

MARKED IN THE FIELD BY THE ENGINEER SALT CREEK ROAD PAVEMENT RESURFACING TYPICAL CROSS SECTION C-108 NOT TO SCALE



- OWNER AND PRIMARY PERMITEE: GARDEN CITY / ADDRESS: 100 CENTRAL AVENUE, GARDEN CITY, GA 31405 / CONTACT: RHONDA FERRELL-BOWLES, CITY MANAGER / PHONE: 912-963-2753
- 2. 24-HOUR CONTACT FOR EROSION, SEDIMENTATION AND POLLUTION CONTROL: VIRGIL MOORE, PUBLIC WORKS SUPERVISOR /
- EXISTING SITE CONDITIONS: THE PROJECT IS LOCATED ON DEVELOPED LAND IN GARDEN CITY, CHATHAM COUNTY, GEORGIA. DEVELOPED LAND CONSISTS OF RESIDENTIAL AREA ROADS
- THE TOTAL AREA OF THE PROJECT SITE IS APPROX. 3.50 ACRES, WITH LESS THAN 1 ACRE OF THE SITE THAT WILL BE
- 5 PROJECT DESCRIPTION: RESURFACING OF EXISTING PUBLIC ROADS
- THIS PROJECT IS NOT WITHIN 200' OF STATE WATERS. NO IMPAIRED STREAMS WILL BE AFFECTED BY THIS PROJECT.
- FLOOD HAZARD STATEMENT: THE PROJECT SITE IS NOT LOCATED WITHIN THE 100-YEAR FLOOD PLAIN AS INDICATED BY FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) ON FLOOD INSURANCE RATE MAP NO. 13051C0132G, EFFECTIVE DATE: 8/16/2018 AND MAP NO. 13051C0135H, EFFECTIVE DATE: 8/16/2018.

CONSTRUCTION ACTIVITY NOTES

- PRIOR TO ANY ACTIVITY, SET UP A PRE-CONSTRUCTION MEETING WITH THE OWNER'S REPRESENTATIVE, CONTRACTOR, DESIGN ENGINEER AND COUNTY/CITY INSPECTOR TO REVIEW THE ESPC PLAN
- THE INSTALLATION OF EROSION CONTROL MEASURES SHALL TAKE PLACE PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES. PROVISIONS TO PREVENT EROSION OF THE SOIL OF THE SITE SHALL CONFORM TO THE REQUIREMENTS OF THE "EROSION AND SEDIMENTATION ACT OF 1975" AS SHOWN HEREON AND STIPULATED IN THE "MANUAL FOR EROSION CONTROL AND SEDIMENT CONTROL IN GEORGIA" BY STATE SOIL AND WATER CONSERVATION COMMITTEE. THE PROVISIONS IN THE MANUAL SHALL BE FOLLOWED AND INSTALLED IN A MANNER SO AS TO MINIMIZE EROSION OF THE DISTURBED AREAS AND PREVENT SEDIMENT FROM LEAVING THE SITE.
- ANY ADDITIONAL SILT FENCE, RIP-RAP, MULCHING, CHECK DAMS, OR PERMANENT GRASSING REQUIRED BY THE CONTRACT DOCUMENTS SHALL BE INSTALLED IMMEDIATELY AFTER CONSTRUCTION HAS PROCEEDED TO THE POINT THAT THESE MEASURES CAN BE EFFECTIVELY IMPLEMENTED AND SHALL BE MAINTAINED IN PROPER WORKING ORDER UNTIL ALL DISTURBED AREAS ARE STABILIZED AND PERMANENT VEGETATION HAS BEEN ESTABLISHED. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ESTABLISH FROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING ANY PHASE OF CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- THE EROSION CONTROL MEASURES DETAILED HEREON SHALL BE CONTINUED UNTIL THE PERMANENT VEGETATION ON PLANTED SHOULDERS AND SLOPES IS SUFFICIENTLY ESTABLISHED TO BE AN EFFECTIVE EROSION DETERRENT. THE SEDIMENT REMOVED FROM THE CONTROL STRUCTURES SHALL BE EVENLY DISTRIBUTED UPSTREAM OF EROSION CONTROL MEASURES. DISPOSED SEDIMENT SHALL BE PERMANENTLY GRASSED.
- STLT FENCE SHALL BE PLACED DOWN GRADIENT OF ALL STOCKPILED SOIL OR BORROW AREAS.
- WORK WILL BE COMPLETED IN SECTIONS TO MINIMIZE EXPOSED AREAS. GRASSING WILL BE SOWN ON DISTURBED SECTIONS
 BEFORE BEGINNING WORK ON THE NEXT SECTION.
- PRIOR TO ANY CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT THE EXIT FROM WORK AREAS LOCATED ADJACENT TO PUBLIC RIGHTS-OF-WAY. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD INTO PUBLIC RIGHTS-OF-WAY.
- IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION EXITS, ALL PERIMETER EROSION CONTROL DEVICES SHALL BE INSTALLED. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.
- EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. PLACE SILT BARRIERS AS SHOWN AND/OR DIRECTED BY THE PROJECT ENGINEER OR OWNER. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- IF REQUIRED, A COPY OF THE APPROVED LAND DISTURBANCE PLAN SHALL BE PRESENT ON THE SITE WHENEVER LAND
- DISTURBING ACTIVITY IS IN PROGRESS.

 11. ALL VEGETATIVE STABILIZATION SHALL BE ACCOMPLISHED AS SOON AS CONSTRUCTION PERMITS.

AUTHORIZED NON-STORMWATER DISCHARGES

- THE FOLLOWING NON-STORMWATER DISCHARGES MAY BE AUTHORIZED BY THIS PERMIT PROVIDED THE NON- STORMWATER COMPONENT OF THE DISCHARGE IS EXPLICITLY LISTED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND IS IN COMPLIANCE WITH PART IV.D.7.;

 DISCHARGES FROM FIRE FIGHTING ACTIVITIES;
- FIRE HYDRANT FLUSHING:
- POTABLE WATER SOURCES INCLUDING WATER LINE FLUSHING;
- AIR CONDITIONING CONDENSATE
- SPRINGS:
- LINCONTAMINATED GROUND WATER: AND FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS OR POLLUTANTS. 1.8.
- MIXED STORMWATER DISCHARGES
- THIS PERMIT MAY ONLY AUTHORIZE A STORMWATER DISCHARGE FROM A CONSTRUCTION SITE OR CONSTRUCTION 2.1. ACTIVITIES MIXED WITH A STORMWATER DISCHARGE FROM AN INDUSTRIAL SOURCE OR ACTIVITY OTHER THAN
- THE INDUSTRIAL SOURCE OR ACTIVITY OTHER THAN CONSTRUCTION IS LOCATED ON THE SAME SITE AS THE CONSTRUCTION ACTIVITY AND IS AN INTEGRAL PART OF THE CONSTRUCTION ACTIVITY:
- 2.1.2 THE STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES ARE OCCURRING ARE IN COMPLIANCE WITH THE TERMS OF THIS PERMIT; AND
- 2.1.3. STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE INDUSTRIAL ACTIVITY OTHER THAN CONSTRUCTION ARE OCCURRING ARE COVERED BY A DIFFERENT NPDES GENERAL PERMIT OR INDIVIDUAL PERMIT AUTHORIZING SUCH DISCHARGES AND THE DISCHARGES ARE IN COMPLIANCE WITH A DIFFERENT NPDES PERMIT

BMPs FOR CONSTRUCTION MATERIAL STORAGE

- FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE, PROVIDE COVER (E.G. PLASTIC SHEETING, TEMPORARY ROOFS) TO MINIMIZE THE EXPOSURE OF THESE PRODUCTS TO PRECIPITATION AND TO
- MINIMIZATION OF EXPOSURE IS NOT REQUIRED IN CASES WHERE EXPOSURE TO PRECIPITATION AND TO STORMWATER WILL NOT RESULT IN A DISCHARGE OF POLLUTANTS, OR WHERE EXPOSURE OF A SPECIFIC MATERIAL OR PRODUCT POSES LITTLE RISK TO STORMWATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USE).
- ANY FERTILIZERS THAT ARE TO BE STORED ON-SITE. SHALL BE STORED IN A PROTECTED SECURABLE ENCLOSURE. THE CONTENTS OF ANY PARTIALLY USED BAGS AT FERTILIZERS SHALL BE TRANSFERRED TO A CLEARLY TO A CLEARLY LABELED,

BMPs FOR CONSTRUCTION MATERIAL HANDLING

- CONCRETE WASHOUT OF THE CONCRETE TRUCK DRUM IS PROHIBITED AT THIS PROJECT SITE.
- FERTILIZERS AND HERBICIDES

 1. FERTILIZERS AND HERBICIDES USED SHALL BE APPLIED IN THE MINIMUM AMOUNTS RECOMMENDED BY THE

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- ONCE APPLIED, FERTILIZER SHALL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER.

- 3. PETROLEUM PRODUCTS
 - ALL ONSITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCI THE CHANCE OF LEAKAGE.
 - PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS THAT ARE CLEARLY LABELED.
- ANY PETROLEUM TO BE STORED IN TANKS SHALL BE SURROUNDED BY AN EARTHEN BERM AS A SECONDARY PROTECTIVE
- ANY ASPHALT SUBSTANCES USED ON SITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER RECOMMENDATIONS ALL FUELING AND EQUIPMENT STORAGE SHALL BE PERFORMED AT THE DESIGNATED LOCATION. A COVERED 55 GALLON DRUM AND A SHOVEL SHALL BE PLACED AT THIS LOCATION.

 CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS.
- THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF
- EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS.
- PAINTS, FINISHES AND SOLVENTS
 ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE.
- EXCESS PRODUCT SHALL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM

BMPs FOR WASTE DISPOSAL

- LOCATE WASTE COLLECTION AREAS AWAY FROM STREETS, GUTTERS, WATERCOURSES AND STORM DRAINS. WASTE COLLECTION AREAS, SUCH AS DUMPSTERS, ARE OFTEN BEST LOCATED NEAR CONSTRUCTION SITE ENTRANCES TO MINIMIZE TRAFFIC ON DISTURBED SOILS.
- SECONDARY CONTAINMENT SHOULD BE USED AROUND LIQUID WASTE COLLECTION AREAS TO FURTHER MINIMIZE THE LIKELIHOOD OF CONTAMINATED DISCHARGES
- SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS.

 MATERIAL SAFETY DATA SHEETS (MSDS) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB
- SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE MAINTAINED IN THE ESPCP FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF
- MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING,
- PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

 THE CONTRACTOR SHALL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS.

 NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES SHALL BE ALLOWED TO COME IN CONTACT WITH STORMWATE DISCHARGES. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGES. MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED
- NO TYPE OF CONSTRUCTION WASTE SHALL BE BURIED ON SITE.
- THE CONTRACTOR SHALL TRAIN ALL PERSONNEL ON PROPER WASTE DISPOSAL PROCEDURES.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEING THAT PROPER WASTE DISPOSAL AND SPILL PROCEDURES ARE
- WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404

ADDITIONAL ESPC PLAN PROCEDURES

- EROSION CONTROL MEASURES SHALL BE AS A MINIMUM IN CONFORMANCE WITH "THE MANUAL FOR EROSION AND SEDIMEN CONTROL IN GEORGIA" BY THE GA. SOIL & WATER CONSERVATION COMMISSION.
- ALL EROSION CONTROL MEASURES SHALL BE INSPECTED DAILY AND AFTER EACH HEAVY-RUNOFF PRODUCING RAINFALL
- ALL NECESSARY REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTAIN A FUNCTIONING EROSION CONTROL SYSTEM.
 THE FAILURE OF ANY EROSION CONTROL DEVICE TO FUNCTION AS INTENDED, FOR ANY REASON, SHALL BE REPORTED TO T
- ENGINEER IMMEDIATELY. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION BY THE OWNER, ENGINEER OR CITY INSPECTOR.
- CUT AND FILL SLOPES SHALL NOT EXCEED 2H:1V. ALL STUMPS, LIMBS, AND TREE TOPS ARE TO BE DISPOSED OF OFF-SITE AND THE SOIL IS TO BE CLEANED BY USE OF A ROO RAKE OR SIMILAR IMPLEMENT.
- MINIMIZING WIND EROSION AND CONTROLLING DUST WILL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING
- METHODS:
- COVERING 30% OR MORE OF THE SOIL SURFACE WITH NON-ERODIBLE MATERIAL
- ROUGHENING THE SOIL TO PRODUCE RIDGES PERPENDICULAR TO THE PREVAILING WIND FREQUENT WATERING OF EXCAVATION AND FILL AREAS
- 4. PROVIDING GRAVEL OR PAVING AT ENTRANCE/EXIT DRIVES.
 STAGING AREAS, MATERIAL STORAGE, CONCRETE WASHOUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL NOT BE
- LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS. NO BURN AND BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT PERMISSION BY THE OWNER AND/O THE ENGINEER OF RECORD.
- 11. SEEDING AND FERTILIZING SEEDED AREA SHALL BE INSPECTED FOR FAILURE AND NECESSARY REPAIRS SHALL BE MADE WITHIN THE SAME SEASON
- WHEN HAND PLANTING, MULCH (HAY OR STRAW) SHALL BE UNIFORMLY SPREAD OVER SEEDED AREA WITHIN 24 HOURS
- OF SEEDING DURING UNSUITABLE GROWING SEASONS, MULCH SHALL BE USED AS A TEMPORARY COVER (Ds1). ON SLOPES THAT AR 4:1 OR STEEPER, MULCH SHALL BE ANCHORED. 12. SILT FENCE
- ANY FABRIC WHICH COLLAPSES, TEARS, DECOMPOSES, OR BECOMES INEFFECTIVE WILL BE REPLACED IMMEDIATELY. REMOVE SEDIMENT DEPOSITS BEHIND FENCE WHEN SEDIMENT ACCUMULATES TO 6 INCHES.
- 13. CONSTRUCTION EXIT MAINTAIN IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MILD ONTO PURLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5-3.5 STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOU OF ANY STRUCTURES USED TO TRAP SEDIMENT.
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM
- 14. EROSION CONTROL MATTING AND BLANKETS FURNISH AND INSTALL MESH MATTING OVER PREVIOUSLY PREPARED AND SEEDED AREAS WITH SLOPES STEEPER THAN
- 2.5:1 AND A HEIGHT 10 FEET OR GREATER.

 INSPECT MATTING PERIODICALLY AFTER INSTALLATION. REPAIR ANY DISLOCATION OR FAILURE IMMEDIATELY.
- 14.3. REINSTALL MATTING IF WASHOUT OR BREAKAGE OCCURS.

SPILL PROCEDURES

- MANUFACTURER RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND SITE PERSONNEL SHALL BE
- MADE AWARE OF THE LOCATION OF THIS INFORMATION.

 ALL FUEL SPILLS SHALL BE REMOVED TO FULL DEPTH OF SOIL CONTAMINATION AND THE SOIL SHALL BE PLACED IN A DRUI WHEN THE DRUM IS FULL, DISPOSE OF DRUM PROPERLY IN AN APPROVED ENVIRONMENTAL PROTECTION AGENCY (EPA HAZARDOUS LAND FILL
- FOR SPILLS 25 GALLONS AND GREATER MUST BE REPORTED TO THE EPA THESE PLANS DO NOT AUTHORIZE THE DISCHARGE OF HAZARDOUS MATERIALS OR OILS RESULTING FROM AN ONSITE
- MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE READILY AVAILABLE.

 6. EQUIPMENT AND MATERIALS WILL INCLUDE, BUT NOT BE LIMITED TO, BROOMS, DUST PANS, MOPS, RAGS, GLOVES,

GOGGLES, OIL ABSORBANT, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS

- SITE PERSONNEL SHALL BE MADE AWARE OF CLEANUP MATERIAL AND EQUIPMENT LOCATIONS.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

 SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT
- AGENCY SPILL REMEDIATION TEAM
- THE PERMITTEE WILL DESIGNATE A SPILL PREVENTION AND CLEANUP COORDINATOR
- 7.1. THE PERMITTEE WILL DESIGNATE A SPILL PREVENTION AND CLEANUP COORDINATOR.
 7.2. AT LEAST THREE OTHER SITE PERSONNEL SHALL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING.

GEORGIA UNIFORM CODING SYSTEM

FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

STRUCTURAL PRACTICES

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CODE	PRACTICE	DESCRIPTION							
Cd	CHECKDAM	A SMALL TEMPORARY BARRIER OR DAM CONSTRUCTED ACROSS A SWALE, DRAINAGE DITCH OR AREA OF CONCENTRATED FLOW.							
Ch	CHANNEL STABILIZATION	IMPROVING, CONSTRUCTING OR STABILIZING AN OPEN CHANNEL, EXISTING STREAM, OR DITCH.							
Co	CONSTRUCTION EXIT	A CRUSHED STONE PAD LOCATED AT THE CONSTRUCTION SITE EXIT TO PROVIDE A PLACE FOR REMOVING MUD FROM TIRES THEREBY PROTECTING PUBLIC STREETS.							
Cr	CONSTRUCTION ROAD STABILIZATION	A TRAVELWAY CONSTRUCTED AS PART OF A CONSTRUCTION PLAN INCLUDING ACCESS ROADS, SUBDIVISION ROADS, PARKING AREAS AND OTHER ON-SITE VEHICLE TRANSPORTATION ROUTES.							
Dc	STREAM DIVERSION CHANNEL	A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT STRUCTURE IS BEING CONSTRUCTED.							
Di	DIVERSION	AN EARTH CHANNEL OR DIKE LOCATED ABOVE, BELOW, OR ACROSS A SLOPE TO DIVERT RUNOFF. THIS MAY BE A TEMPORARY OR PERMANENT STRUCTURE.							
Dn1	TEMPORARY DOWNDRAIN STRUCTURE	A FLEXIBLE CONDUIT OF HEAVY-DUTY FABRIC OR OTHER MATERIAL DESIGNED TO SAFELY CONDUCT SURFACE RUNOFF DOWN A SLOPE. THIS IS TEMPORARY AND INEXPENSIVE.							
Dn2	PERMANENT DOWNDRAIN STRUCTURE	A PAVED CHUTE, PIPE, SECTIONAL CONDUIT OR SIMILAR MATERIAL DESIGNED TO SAFELY CONDUCT SURFACE RUNOFF DOWN A SLOPE.							
Fr	FILTER RING	A TEMPORARY STONE BARRIER CONSTRUCTED AT STORM DRAIN INLETS AND POND OUTLETS.							
Ga	GABION	ROCK FILTER BASKETS WHICH ARE HAND-PLACED INTO POSITION FORMING SOIL STABILIZING STRUCTURES.							
Gr	GRADE STABILIZATION STRUCTURE	PERMANENT STRUCTURES INSTALLED TO PROTECT NATURAL OR ARTIFICIAL CHANNELS OR WATERWAYS WHERE OTHERWISE THE SLOPE WOULD BE SUFFICIENT FOR THE RUNNING WATER TO FORM GULLIES.							
Lv	LEVEL SPREADER	A STRUCTURE TO CONVERT CONCENTRATED FLOW OF WATER INTO LESS EROSIVE SHEET FLOW. THIS SHOULD BE CONSTRUCTED ONLY ON UNDISTURBED SOILS.							
Rd	ROCK FILTER DAM	A PERMANENT OR TEMPORARY STONE FILTER DAM INSTALLED ACROSS SMALL STREAMS OR DRAINAGEWAYS.							
Re	RETAINING WALL	A WALL INSTALLED TO STABILIZE OUT AND FILL SLOPES WHERE MAXIMUM PERMISSIBLE SLOPES ARE NOT OBTAINABLE. EACH SITUATION WILL REQUIRE SPECIAL DESIGN.							
Rt	RETROFITTING	A DEVICE OR STRUCTURE PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER.							
Sd1	SEDIMENT BARRIER SENSITIVE	A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, BALES OF STRAW OR HAY, BRUSH, LOGS AND POLES, GRAVEL, OR A SILT FENCE.							
Sd2	INLET SEDIMENT TRAP	AN IMPOUNDING AREA CREATED BY EXCAVATING AROUND A STORM DRAIN DROP INLET. THE EXCAVATED AREA WILL BE FILLED AND STABILIZED ON COMPLETION OF CONSTRUCTION ACTIVITIES.							
Sd3	TEMPORARY SEDIMENT BASIN	A BASIN CREATED BY EXCAVATION OR A DAM ACROSS A WATERWAY. THE SURFACE WATER RUNOFF IS TEMPORARILY STORED ALLOWING THE BULK OF THE SEDIMENT TO DROP OUT.							
Sr	TEMPORARY STREAM CROSSING	A TEMPORARY BRIDGE OR CULVERT-TYPE STRUCTURE PROTECTING A STREAM OR WATERCOURSE FROM DAMAGE BY CROSSING CONSTRUCTION EQUIPMENT.							
St	STORMDRAIN OUTLET PROTECTION	A PAVED OR SHORT SECTION OF RIPRAP CHANNEL AT THE OUTLET OF A STORM DRAIN SYSTEM PREVENTING EROSION FROM THE CONCENTRATED RUNOFF.							
Su	SURFACE ROUGHENING	A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS ON A CONTOUR OR SLOPES LEFT IN A ROUGHENED CONDITION AFTER GRADING.							
Тр	TOPSOILING	THE PRACTICE OF STRIPPING OFF THE MORE FERTILE SOIL, STORING IT, THEN SPREADING IT OVER THE DISTURBED AREA AFTER COMPLETION OF CONSTRUCTION ACTIVITIES.							
Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL	PAVED OR VEGETATIVE WATER OUTLETS FOR DIVERSIONS, TERRACES, BERMS, DIKES OR SIMILAR STRUCTURES.							

DESIGN PROFESSIONAL'S ESPC PLAN CERTIFICATION

ones

EXPECTED TO MEET THE REQUIREMEN

Orman L

I CERTIFY THAT THE PERMITTEE'S EROSION SEDIMENTATION AND POLITION CONTROL PLAN PROVIDES FOR AN

APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY

THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING THE STATE SOLE AND WATER CONSERVATION COMMISSIONS OF PARKADON TO PERFORM WATER (S) OR THE STORM CACTIVITY WAS PERMITTED, PROVIDES FOR THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS ON TAILD IN THE GENERAL NPDES PERMIT NO. GAR 100002.

1/17/2025

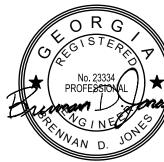
GEORGIA UNIFORM CODING SYSTEM

FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

VEGETATIVE PRACTICES

CODE PRACTICE		DESCRIPTION							
Bf	BUFFER ZONE	A STRIP OF NATURAL UNDISTURBED VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION OR RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR STREAM BOARDER							
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)	PLANTING VEGETATION ON DUNES THAT ARE DENUDED, ARTIFICIALLY CONSTRUCTED, OR RE-NOURISHED.							
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	ESTABLISHING TEMPORARY PROTECTION FOR DISTURBED AREAS WHERE SEEDLINGS MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDING COVER.							
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED AREAS.							
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)	ESTABLISHING A PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD OR LEGUMES ON DISTURBED AREAS.							
Ds4	DISTURBED AREA STABILIZATION (WITH SODDING)	A PERMANENT VEGETATIVE COVER USING SODS ON HIGHLY ERODABLE OR CRITICALLY ERODED LANDS.							
Du	DUST CONTROL ON DISTURBED AREAS	CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITE, ROADWAYS AND SIMILAR SITES.							
Mb	EROSION CONTROL MATTING AND BLANKETS	THE INSTALLATION OF A PROTECTIVE COVERING (BLANKET) OR SOIL STABILIZATION MAT ON A PREPARED PLANTING AREA OF A STEEP SLOPE, CHANNEL, OR SHORELINE.							
Pm	POLYCRYLAMIDE (PAM)	THE LAND APPLICATION OF PRODUCT CONTAINING ANIONIC POLYACRYLAMIDE (PAM) AS TEMPORARY SOIL BINDING AGENTS TO REDUCE SOIL EROSION.							
Sb	STREAMBANK STABILIZATION (USING PERMANENT VEGETATION)	THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS.							
Tb	TACKIFIERS AND BINDERS	SUBSTANCE USED TO ANCHOR STRAW OR HAY MULCH BY CAUSING THE ORGANIC MATERIAL TO BIND TOGETHER.							

GSWCC LEVEL II DESIGN CERTIFICATION No. 117



1/17/25

LMIG ROAD IMPROVEMEN GARDEN CITY, GEORGIA

JONES

BRENNAN

MASON FALLS DR., WINSTON, GEORGIA (P) 770-688-5148 / (F) 770-577-0300

DRAWING NO. C-301 SHEET NO

			Ds3 PEF	RMAI	NEN	T S	EED	ING	i Ch	HAR	T		
SPECIES	BROADCAST RATES 2/ - PLS 3/ PER PER		RESOURCE	PLANTING RATES BY RESOURCE AREA PLANTING DATES OPTIMUM PERMISSIBLE BUT MARGINAL									REMARKS
	ACRE	PER 1000 SQ. FT.	AREA	JI	М	Α	М .	J J	Α	S	0 1	I D	
BERMUDA, COMMON (CYNODON DACTYLON) HULLED SEED ALONE WITH OTHER PERENNIALS	10 LBS 6 LBS	0.2 LB 0.1 LB	P C		-								1,787,000 SEED PER POUND. QUICK COVER. LOW GROWING AND SOD FORMING. FULL SUN. GOOD FOR ATHLETIC FIELDS.
BERMUDA, COMMON (CYNODON DACTYLON) UNHULLED SEED WITH TEMPORARY COVER	10 LBS	0.2 LB	P C							-			PLANT WITH WINTER ANNUALS.
WITH OTHER PERENNIALS	6 LBS	0.1 LB											PLANT WITH TALL FESCUE.
CENTIPEDE (EREMOCHLOA OPHIUROIDES)	BLOCK S	DD ONLY	P C			-		-					DROUGHT TOLERANT. FULL SUN OR PARTIAL SHADE. EFFECTIVE ADJACENTTO CONCRETE AND IN CONCENTRATED FLOW AREAS. IRRIGATION AS NEEDED UNTIL FULLY ESTABLISHED. DO NOT PLANT NEAR PASTURES. WINTERHARDY AS FAR NORTH AS ATHENS AND ATLANTA.
BAHIA (PASPALUM NOTATUM)			P C		-		=	-					166,000 SEED PER POUND. SLOW TO ESTABLISH. LOW GROWING AND SOD FORMING.
ALONE OR W/ TEMP. COVER WITH OTHER PERENNIALS	60 LBS 30 LBS	1.4 LB 0.7 LB											
LESPEDEZA, SERICEA (LESPEDEZA CUNEATA)													350,000 SEED PER POUND. WIDELY ADAPTED. LOW MAINTENANCE. MIX WITH WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA, OR TALL FESCUE. TAKES 2 TO 3 YEARS TO BECOME FULLY ESTABLISHED.
SCARIFIED	60 LBS	1.4 LB	M-L P C		_		-	-					EXCELLENT ON ROAD BANKS. INOCULATE SEED WITH EL INOCULANT.
UNSCARIFIED	75 LBS	1.7 LB	M-L P				+	+					MIX WITH TALL FESCUE OR WINTER ANNUALS.
SEED-BEARING HAY	3 TONS	138 LB	C M-L P C										CUT WHEN SEED IS MATURE. BUT BEFORE IT SHATTERS. TALL FESCUE OR WINTER ANNUALS.
LOVEGRASS, WEEPING (ERAGROSTIS CURVULA)			M-L P				ļ	,					1,500,000 SEED PER POUND. QUICK COVER. DROUGHT TOLERANT. GROWS WELL WITH SERICEA LESPEDEZA
ALONE	4 LBS	0.1 LB	С			П		1	$ \ $				ON ROADBANKS.
WITH OTHER PERENNIALS	2 LBS	0.05 LB							П				

Ds1 MULCHING SPECIFICATIONS:

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE. MULCH CAN BE USED AS A SINGULAR EROSION CONTROL DEVICE FOR UP TO SIX MONTHS, BUT IT SHALL BE APPLIED AT THE APPROPRIATE DEPTH , DEPENDING ON THE MATERIAL USED, ANCHORED, AND HAVE CONTINUOUS 90% COVER OR GREATER OF THE SOIL SURFACE MAINTENANCE SHALL BE REQUIRED TO MAINTAIN APPROPRIATE DEPTH AND 90% COVER. TEMPORARY VEGETATION MAY BE EMPLOYED INSTEAD OF MULCH IF THE AREA WILL REMAIN UNDISTURBED FOR LESS THAN SIX MONTHS. IF AN AREA WILL REMAIN UNDISTURBED FOR GREATER THAN SIX MONTHS, PERMANENT VEGETATION TECHNIQUES SHALL BE EMPLOYED.

- SITE PREPARATION

 1. GRADE TO PERMIT THE USE OF EQUIPMENT FOR APPLYING AND
- ANCHORING MULCH.

 INSTALL NEEDED EROSION CONTROL MEASURES AS REQUIRED SUCH AS DIKES, DIVERSIONS, BERMS, TERRACES, AND SEDIMENT BARRIERS.
- LOOSEN COMPACT SOIL TO A MINIMUM DEPTH OF 3 INCHES.

 $\frac{\mathsf{APPLYING}\;\mathsf{MULCH}}{\mathsf{WHEN}\;\mathsf{MULCH}\;\mathsf{IS}\;\mathsf{USED}\;\mathsf{WITHOUT}\;\mathsf{SEEDING},\;\mathsf{MULCH}\;\mathsf{SHALL}\;\mathsf{BE}\;\mathsf{APPLIED}\;\mathsf{TO}$ PROVIDE FULL COVERAGE OF THE EXPOSED AREA.

- DRY STRAW OR HAY MULCH AND WOOD CHIPS SHALL BE APPLIED
- UNIFORMLY BY HAND OR BY MECHANICAL EQUIPMENT.

 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
- CUTBACK ASPHALT SHALL BE APPLIED UNIFORMLY . CARE SHOULD BE TAKEN IN AREAS OF PEDESTRIAN TRAFFIC DUE TO PROBLEMS OF "TRACKING IN" OF DAMAGE TO SHOES, CLOTHING, ETC.
- 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 FOUIPMENT MAY BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-5 OR SS-1). THE ASPHALT EMULSION SHALL BE SPRAYED ONTO THE MULCH AS IT IS EJECTED FROM THE MACHINE. USE 100 GALLONS OF EMULSTETED ASPHALT AND 100 GALLONS OR WATER PER TON OF MULCH. TACKIFIERS AND BINDERS CAN BE SUBSTITUTED FOR EMULSIFIED ASPHALT. PLEASE REFER TO SPECIFICATION Tb-TACKIFIERS AND BINDERS. PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- NETTING OF THE APPROPRIATE SIZE SHALL BE USED TO ANCHOR WOOD WASTE. OPENINGS OF THE NETTING SHALL NOT BE LARGER THAN THE
- POLYETHYLENE FILM SHALL BE ANCHOR TRENCHED AT THE TOP AS WELL AS INCREMENTALLY AS NECESSARY

ACTIVITY

LOCATE EXISTING UTILITIES

Ds2 TEMPORARY SEEDING SPECIFICATIONS:

GRADING AND SHAPING

1. EXCESSIVE WATER RUNOFF MUST BE CONTROLLED BY PLANNED AND INSTALLED EROSION CONTROL PRACTICES SUCH AS CLOSED DRAINS. DITCHES, DIKES, DIVERSIONS, SEDIMENT BASINS, AND OTHERS.

- SEEDBED PREPARATION

 1. WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED
- WHEN USING CONVENTIONAL OR HAND-SEEDING, 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 UNDISTURBED CUT SLOPES, THE SOIL SHALL BE PITTED, TRENCHED, OR OTHERWISE SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND

- LIME AND FERTILIZER

 1. AGRICULTURAL LIME IS NOT REQUIRED.
- ON REASONABLY FERTILE SOILS OR SOIL MATERIAL, FERTILIZER IS NOT. REQUIRED
- ON SOILS OF VERY LOW FERTILITY, USE 500 TO 700 POUNDS 10-10-10 FERTILIZER OR THE EQUIVALENT PER ACRE (12-16 lbs./1000 sq. ft.). If THE SITE WILL PERMIT, APPLY BEFORE LAND PREPARATION AND DISK, RIP, OR CHISEL TO INCORPORATE

- SEEDING

 1. SELECT A GRASS OR GRASS-LEGUME MIXTURE SUITABLE TO THE AREA
- AND SEASON OF THE YEAR.

 2. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER-SEEDER, OR HYDRAULIC SEEDER (SLURRY INCLUDING SEED AND FERTILIZER). DRILL OR CULTIPACKER-SEEDERS SHOULD NORMALLY PLACE SEED ONE-HALF TO ONE INCH DEEP.

<u>MULCHING</u> TEMPORARY VEGETATION CAN, IN MOST CASES, BE ESTABLISHED WITHOUT THE USE OF MULCH. MULCH WITHOUT SEEDING SHOULD BE CONSIDERED FOR

TERM PROTECTION. SEE Ds1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY).

IF WATER IS APPLIED, IT MUST BE AT A RATE NOT CAUSING RUNOFF AND EROSION. THOROUGHLY WET THE SOIL TO A DEPTH THAT WILL INSURE

THE SEED. SUBSEQUENT APPLICATIONS SHOULD BE MADE WHEN NEEDED.

Ds3 PERMANENT SEEDING SPECIFICATIONS:

A. GRADING AND SHAPING

1. GRADING AND SHAPING IS NOT NORMALLY REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. VERTICAL BANKS SHALL BE SLOPED TO ENABLE PLANT ESTABLISHMENTS.

B. SEEDBED PREPARATION

1. SEEDBED PREPARATION MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. 2. WHEN CONVENTIONAL SEEDING IS TO BE USED. SEEDBED PREPARATION

WILL BE DONE AS FOLLOWS

 BROADCAST PLANTING
 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.

C. LIME AND FERTILIZER - RATES AND ANALYSIS

. WHERE PERMANENT VEGETATION IS TO BE ESTABLISHED, AGRICULTURAL LIME SHALL BE APPLIED AS INDICATED BY SOIL TEST OR AT THE RATE OF 1 TO 2 TONS PER ACRE. AGRICULTURAL LIME SHALL BE WITHIN THE SPECIFICATIONS OF THE GEORGIA DEPARTMENT OF AGRICULTURE. 2. LIME SPREAD BY CONVENTIONAL EQUIPMENT WILL 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 AND NOT LESS THAN 25 PERCENT WILL PASS THROUGH A

3. AGRICULTURAL LIME SPREAD BY HYDRAULIC SEEDING EQUIPMENT WILL BE FINELY GROUND LIMESTONE." FINELY GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THAT 98 PERCENT OF THE MATERIAL WILL PASS THROUGH A 20-MESH SIEVE AND NOT LESS THAN 70 PERCENT WILL PASS THROUGH A 100-MESH SIEVE.

D. LIME AND FERTILIZER - APPLICATION

1. WHEN HYDRAULIC SEEDING EOUIPMENT IS USED:

A. THE INITIAL FERTILIZER WILL BE MIXED WITH SEED, INOCULATE (IF NEEDED) AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH AND APPLIED IN A SLURRY. THE SLURRY 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. B. FINELY GROUND LIMESTONE WILL BE MIXED WITH WATER AND APPLIED

DIATELY AFTER MULCHING IS COMPLETED OR IN COMBINATION WIT

2 WHEN CONVENTIONAL PLANTING IS TO BE DONE LIME AND FERTILIZER WILL BE APPLIED UNIFORMLY IN ONE OF THE FOLLOWING WAYS: A. APPLY BEFORE LAND PREPARATION SO THAT IT WILL BE MIXED WITH

THE SOIL DURING SEEDBED PREPARATION; OR,

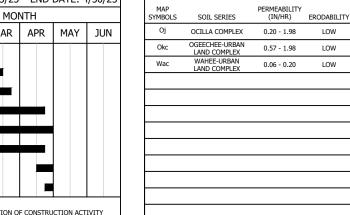
B. MIX WITH THE SOIL USED TO FILL THE HOLES, DISTRIBUTE IN FURROWS;

C. BROADCAST AFTER STEEP SURFACES AND SCARIFIED, PITTED OR

TRENCHED.

D. A FERTILIZER PELLET WILL BE PLACED AT ROOT DEPTH.

CONSTRUCTION SCHEDULE SOILS INFORMATION TABLE **ESTIMATED SOIL PROPERTIES** ANTICIPATED ANTICIPATED START DATE: 2/15/25 END DATE: 4/30/25



REFER TO "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION

GSWCC LEVEL II DESIGN CERTIFICATION No. 117 ORG () No. 23334 ENNAN D.

INSTALL EROSION CTRL. MEASURES EARTHWORK/CLEARING INSTALLATION/SITE IMPROVEMENTS MAINTAIN FROSION CTRL MEASURES TEMPORARY GRASS & MULCHING INSTALL PERMANENT GRASSING REMOVE EROSION CTRL. MEASURES

FEB

MAR

NOTE:
THE SCHEDULE INDICATES THE ESTIMATED SEQUENCE AND DURATION OF CONSTRUCTION ACTIVITY EVENTS IT HAS BEEN PREPARED WITHOUT THE ASSISTANCE OF THE CONTRACTOR. AFTER CONTRACTOR SELECTION BY THE OWNER, THE CONTRACTOR MAY PROPOSE ADJUSTMENT TO THE SCHEDULE AS DEEMED NECESSARY. HOWEVER, SUCH ADJUSTMENT MUST BE APPROVED THROUGH THE

LAND DISTURBANCE PERMIT ISSUING AGENCY.

JAN

1/17/25

LMIG ROAD IMPROVEMEN' GARDEN CITY, GEORGIA

MASON FALLS DR., WINSTON, GEORGIA (P) 770-688-5148 / (F) 770-577-0300

BRENNAN .

DRAWING NO. C-302 SHEET NO. 13 of 13