

PRECISION PLANNING, INC. - ALL RIGHTS RESERVED.

THESE CONSTRUCTION DOCUMENTS AND ANY INSTRUMENTS REFERENCED HEREIN ARE THE SOLE PROPERTY OF PRECISION PLANNING, INC. AND ARE TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY INDICATED HEREIN. ANY REUSE OR REPRODUCTION OF THESE DOCUMENTS WITHOUT THE WRITTEN CONSENT OF PRECISION PLANNING, INC. IS STRICTLY PROHIBITED.

STAMP

PRECISION PLANNING, INC. PROFESSIONAL ENGINEER MICHAEL TODD PARKER No. 036155 09/10/2025

PRECISION Planning Inc.

planners • engineers • architects • surveyors

400 Pike Boulevard, Lawrenceville, GA 30046
770.338.8000 • www.ppi.us

GRIZZLY PARKWAY SIDEWALK

LAND LOT 145, DISTRICT 5,
GRIZZLY PARKWAY,
LAWRENCEVILLE, GA 30046

PRELIMINARY SITE	SHEET TITLE		CHECKED	MTP
	DRAWN	ZJD		
	DESIGN	ZJD		

DATE	NO.	DESCRIPTION

9/01/2025
DATE

C25-110
PPI PROJECT NO.

C2.0

CONTRACTOR TO REMOVE AND INSTALL NEW FENCE ALONG R/W LIMITS. PROPOSED FENCE TO MATCH EXISTING FENCE IN LIKE KIND.

CONTRACTOR TO INSTALL A 6' TEMPORARY FENCE DURING CONSTRUCTION OPERATIONS.

GENERAL NOTES

1. THE PROPERTY IS LOCATED IN LAND LOT 147 OF THE 5TH DISTRICT.
2. ALL CONSTRUCTION TO COMPLY WITH CITY OF LAWRENCEVILLE STANDARDS.
3. ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.
4. NOTIFY CITY OF LAWRENCEVILLE INSPECTIONS 24 HOURS BEFORE BEGINNING OF EVERY PHASE OF CONSTRUCTION (678-407-6696).
5. ACCEPTANCE AND/OR SUBSEQUENT ACCEPTANCE OF THESE PLANS DOES NOT CONSTITUTE APPROVAL BY CITY OF LAWRENCEVILLE OR PRECISION PLANNING, INC. OF ANY LAND DISTURBING ACTIVITIES WITHIN WETLAND AREAS, JURISDICTIONAL WATER OF THE STATE, AREAS OF THREATENED/ENDANGERED SPECIES, OR AREAS OF HISTORICAL SIGNIFICANCE. IT IS THE OWNER'S RESPONSIBILITY TO CONTACT THE APPROPRIATE REGULATORY AGENCY FOR ANY REQUIRED APPROVALS AND PERMITS.

SIDEWALK NOTES

1. SIDEWALKS SHALL BE CONSTRUCTED OF CONCRETE A MINIMUM OF (5) IN WIDTH AND 4" THICK WITH A CROSS SLOPE OF 0.25" PER FOOT. CONCRETE SHALL BE CLASS "B" AND HAVE A STRENGTH OF 3500 PSI AT 28 DAYS.

GRADING AND EARTHWORK NOTES

1. ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY PROTECTIVE TREE FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.
2. ALL EARTHWORK OPERATIONS SHALL COMPLY WITH REQUIREMENTS OF OSHA CONSTRUCTION STANDARDS, PART 1926, SUBPART P, EXCAVATIONS, TRENCHING, AND SHORING; AND SUBPART O, MOTOR VEHICLES, MECHANIZED EQUIPMENT, AND MARINE OPERATIONS, AND SHALL BE CONDUCTED IN A MANNER ACCEPTABLE TO ENGINEER.
3. FILL MATERIALS SHALL CONSIST OF CLEAN SOIL, FREE OF ORGANIC OR DELETERIOUS MATERIALS, ROCKS, OR BROKEN PIECES OF CONCRETE LARGER THAN THREE INCHES IN SIZE, OR OF ANY OTHER FOREIGN OBJECTS THAT COULD IMPEDE THE COMPACTION RESULTS.
4. FILL MATERIALS SHALL BE SPREAD EVENLY IN HORIZONTAL LAYERS AND COMPACTED IN ACCORDANCE WITH GEOTECHNICAL RECOMMENDATIONS.
5. DISPOSAL OF TOPSOIL WILL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. ALL LANDSCAPE AREAS ARE TO RECEIVE MINIMUM 4" OF TOPSOIL.
6. THE CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING SITE CONDITIONS BY SITE VISITATION, DETAILED REVIEW OF ALL CURRENT SITE PLANS, PREVIOUS INFORMATION OR SURROUNDING LAND USES AND ZONING CONDITIONS OR OTHER MATERIALS TO FULLY ASCERTAIN THE SCOPE OF THE WORK IMPLIED WITHIN THE PLANS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT AND MAINTENANCE OF HORIZONTAL AND VERTICAL BENCHMARKS THROUGHOUT THE DURATION OF THE PROJECT.
8. A GEOTECHNICAL ENGINEER, EMPLOYED BY THE OWNER WILL MONITOR ALL EARTHWORK OPERATIONS AND PROVIDE TESTING AS TO THE STANDARDS AND QUALITY OF BEARING SURFACES AND THE MINIMUM QUALITY STANDARDS OF MATERIALS. THE GEOTECHNICAL ENGINEER SHALL MAKE THE SOLE INTERPRETATION OF ROCK AND UNSUITABLE SOILS AND SHALL MAKE RECOMMENDATIONS AS TO ITS REMOVAL OR FINAL DISPOSITION.
9. THE CONTRACTOR SHALL LIMIT CONSTRUCTION OPERATIONS TO THE PROJECT SITE AND WITHIN THE LIMITS OF THE EASEMENTS SHOWN AND SHALL PROTECT ADJACENT PROPERTIES AND PROPERTY OWNERS FROM ENCROACHMENT BY SOIL EROSION.
10. THE SCOPE OF WORK IMPLIED WITHIN THIS PLAN INCLUDES ALL GRADING OPERATIONS FOR FINAL GRADE ELEVATIONS AS SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR ALL EARTH QUANTITIES, GRADING OPERATIONS, AND MISCELLANEOUS HAULING AND/OR DISPOSAL OPERATIONS TO RENDER THE SITE TO THE FINAL CONTOUR AND GRADE ELEVATIONS SHOWN ON THE PLAN. FILL REQUIRED SHALL BE FURNISHED, INSTALLED, AND COMPACTED AS PART OF CONTRACTOR'S BASE BID. IF "EXCESS" CUT IS GENERATED FROM EXCAVATION, SAID "EXCESS" SHALL BE DISTRIBUTED AND FINE GRADED AND GRASSED ON DESIGNATED OR APPROVED AREA OF THE OWNER'S PROPERTY OR HAULED OFF-SITE AT NO ADDITIONAL COST TO THE OWNER.
11. NO BURNING ALLOWED, ALL TREES MUST BE GROUND. MULCH MAY BE USED FOR TEMPORARY EROSION CONTROL AND SHOULD BE INSTALLED INSIDE ROWS OF SILT FENCE AND BETWEEN DOUBLE ROWS OF SILT FENCE.

UTILITY NOTE

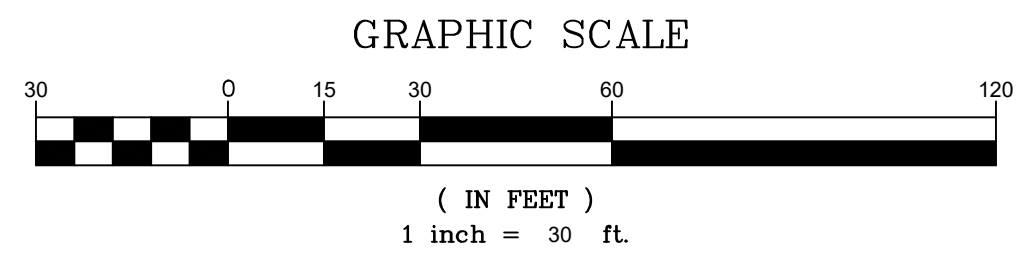
INFORMATION REGARDING THE REPUTED PRESENCE, SIZE, CHARACTER AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES IS SHOWN HEREON. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION AND IT SHALL BE CONSIDERED IN THAT LIGHT BY THOSE USING THIS DRAWING. THE LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITIES AND STRUCTURES SHOWN HEREON MAY BE INACCURATE AND UTILITIES AND STRUCTURES NOT SHOWN MAY BE ENCOUNTERED. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS AND HIS CONTRACTORS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE SURVEYOR IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION.

PROJECT SITE DATA:

OWNER/DEVELOPER:	CITY OF LAWRENCEVILLE
SITE AREA:	4.83 ACRES
DISTURBED AREA:	0.52 ACRES
PROPOSED USE:	SIDEWALK
FLOOD NOTE:	THIS TRACT OF LAND DOES LIE WITHIN THE 100 YEAR FLOOD INTERMEDIATE FLOOD ZONE AS PER FEMA COMMUNITY PANEL 13135C0074F, EFFECTIVE SEPTEMBER 29, 2006.

OWNER / DEVELOPER
CITY OF LAWRENCEVILLE
70 SOUTH CLAYTON STREET
LAWRENCEVILLE, GA 30046
CONTACT: REGINALD ANDERSON
PHONE: 770-277-7537
EMAIL: REGINALD.ANDERSON@LAWRENCEVILLEGA.ORG

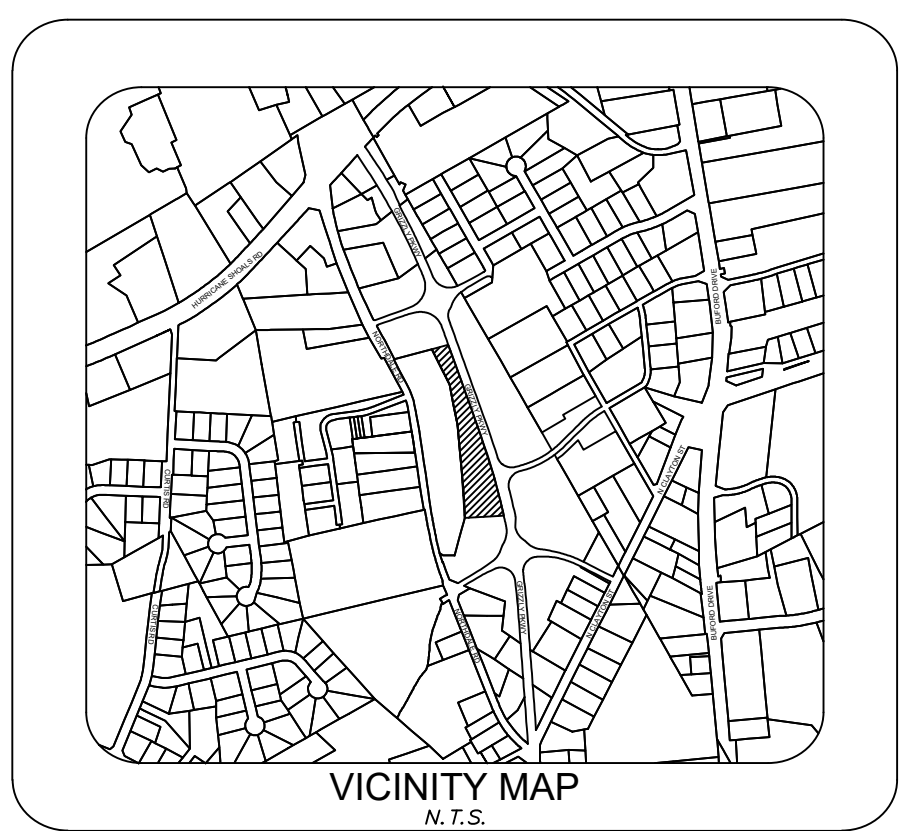
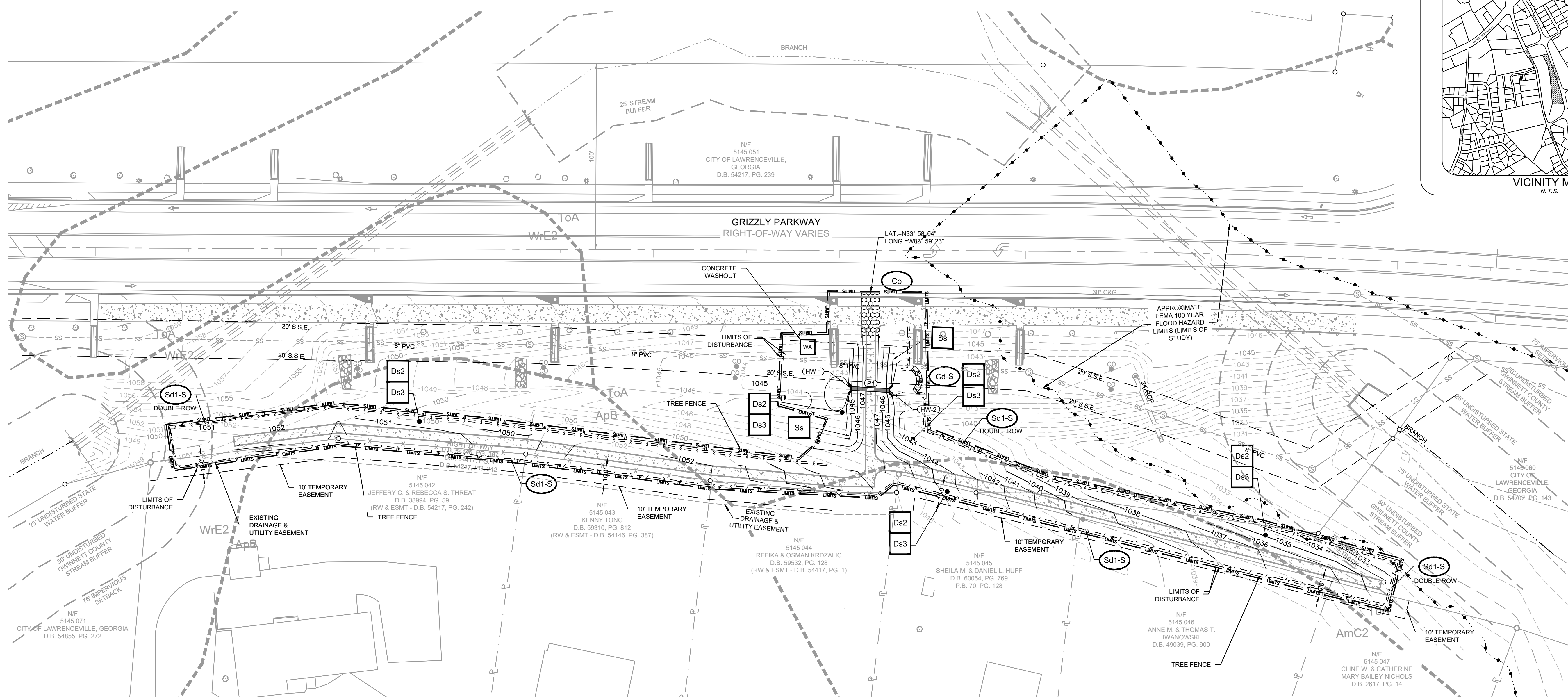
ENGINEER
PRECISION PLANNING, INC.
400 PIKE BOULEVARD
LAWRENCEVILLE, GA 30046
CONTACT: TODD PARKER
PHONE: 770-338-8000
EMAIL: 707TP@PPI.US



GEORGIA811
Utilities Protection Center, Inc.

Know what's below.
Call before you dig.

FILE PATH: E:\PROJECTS\2025\2110-LD-GRIZZLY PARK SIDEWALK\DWG\2110_LAYOUT SITE PLAN.DWG - OWEN PARKER
PLOT DATE: 21/02/2025 7:29 AM



PRECISION PLANNING, INC.
 ALL RIGHTS RESERVED.
 THESE CONSTRUCTION DOCUMENTS AND ANY INSTRUMENTS OF SERVICE ARE THE SOLE PROPERTY OF PRECISION PLANNING, INC. NO OTHER REPRODUCTION OR TRANSMISSION IN ANY MANNER OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF PRECISION PLANNING, INC. IS PERMITTED.

REGISTRATION NO. 036155
 PROFESSIONAL ENGINEER
 09/10/2025
 MICHAEL TODD PARKER

STAMP

PRECISION
 Planning Inc.
 planners • engineers • architects • surveyors

400 Pike Boulevard, Lawrenceville, GA 30046
 770.338.8000 • www.ppi.us

GRIZZLY PARKWAY
SIDEWALK

LAND LOT 145, DISTRICT 5,
 GRIZZLY PARKWAY,
 LAWRENCEVILLE, GA 30046

CONSTRUCTION EXIT GPS LOCATIONS:
 LAT: N33°58'04"
 LONG: W83°59'23"

PRIMARY PERMITTEE:
 CITY OF LAWRENCEVILLE

WETLAND NOTE:
 THERE ARE NO WETLANDS LOCATED ON OR WITHIN 200 FEET OF THIS SITE PER THE NATIONAL WETLAND INVENTORY MAPS.

24-HOUR EMERGENCY CONTACT:
 REGINALD ANDERSON
 770-271-7537

STATE WATERS NOTE:
 STATE WATERS ARE LOCATED ON OR WITHIN 50 FEET OF THIS SITE.

TOTAL DISTURBED AREA
 0.92 ACRES
 TOTAL SITE AREA
 4.93 ACRES

PETROLEUM SPILL PREVENTION AND CONTAINMENT:

1. PREVENTATIVE MAINTENANCE SUCH AS TIMELY INSPECTIONS OF FUEL STORAGE TANKS AND PUMPS SHALL BE PERFORMED TO REDUCE THE RISK OF PETROLEUM SPILLS.
2. PETROLEUM SPILLS SHALL BE IMMEDIATELY CONTAINED. ALL INLETS MUST BE PLUGGED IMMEDIATELY, AND THE PETROLEUM DIRECTED AWAY FROM RECEIVING WATERS OR STORM DRAINAGE SYSTEMS. CLEANUP MAY BE ACCOMPLISHED BY, BUT IS NOT LIMITED TO, SWEEPING, SHOVELING, AND VACUUMING ALONG WITH THE USE OF SORBENTS AND GELS.
3. ANY CONTAMINATED SOILS MUST BE REMOVED FROM THE SITE IMMEDIATELY AND REPLACED WITH SOIL OF SIMILAR PROPERTIES.

CONCRETE WASH DOWN:

1. NO CONCRETE WASHDOWN OF THE DRUM WILL BE ALLOWED WITHIN THE PROJECT SITE AREA THROUGHOUT THE DURATION OF THE PROJECT.
2. AN AREA HAS BEEN INDICATED ON THE PLANS FOR WASH DOWN OF TOOLS FOR CONCRETE INSTALLATION.

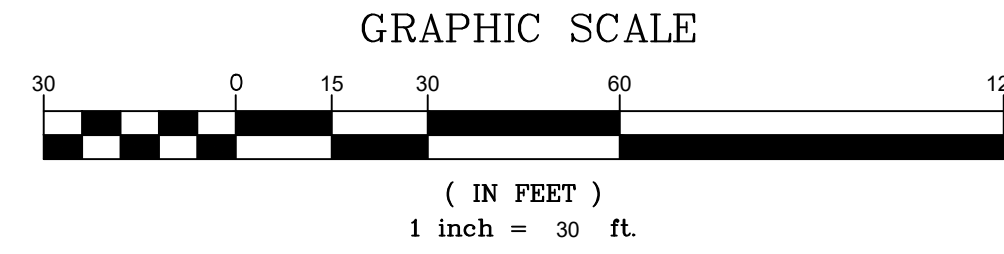
EROSION CONTROL NOTES:

1. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES DURING CONSTRUCTION THE RESPONSIBILITY OF THE CONTRACTOR AND THE PROPERTY OWNER.
2. THE PROFESSIONAL WHO SEALS THIS PLAN CERTIFIES UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY THE PROFESSIONAL OR THE PROFESSIONAL'S AUTHORIZED AGENT, UNDER THE PROFESSIONAL'S DIRECT SUPERVISION.
3. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING IN ACCORDANCE WITH THE GUIDELINES FOR DISTURBED AREA STABILIZATION CONTAINED IN THE MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA.
4. EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.
5. THIS PLAN REPRESENTS THE INSTALLATION OF INITIAL ES&PC BMPs IMMEDIATELY FOLLOWING DEMOLITION BUT PRIOR TO ANY OTHER LAND DISTURBING ACTIVITIES OCCURRING BEYOND THOSE REQUIRED TO INSTALL THE BMPs.
6. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FOOT OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
7. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
8. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. 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.
9. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

SOIL SERIES	
SYMBOL	DESCRIPTION
AmC2	Appling sandy loam, 6 to 10 percent slopes, moderately eroded
ApB	Appling-Hard Labor complex, 2 to 6 percent slopes
ToA	Toccoa fine sandy loam, 0 to 4 percent slopes, frequently flooded
WrE2	Wedowee sandy loam, 10 to 25 percent slopes, eroded

OWNER / DEVELOPER
 CITY OF LAWRENCEVILLE
 70 SOUTH CLAYTON STREET
 LAWRENCEVILLE, GA 30046
 CONTACT: REGINALD ANDERSON
 PHONE: 770-271-7537
 EMAIL: REGINALD.ANDERSON@LAWRENCEVILLEGA.ORG

ENGINEER
 PRECISION PLANNING, INC.
 400 PIKE BOULEVARD
 LAWRENCEVILLE, GA 30046
 CONTACT: TODD PARKER
 PHONE: 770-338-8000
 EMAIL: 707TP@PPI.US



UTILITY DISCLAIMER
 EXISTING UTILITY LINES SHOWN ARE APPROXIMATE LOCATIONS ONLY. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY DEVIATIONS FROM THE DESIGN LOCATIONS SHALL BE REPORTED TO THE PROJECT ENGINEER PRIOR TO CONSTRUCTION. DAMAGE TO EXISTING UTILITY LINES RESULTING FROM CONTRACTOR NEGLIGENCE SHALL BE REPAIRED AT CONTRACTOR EXPENSE.



Know what's below.
 Call before you dig.

UTILITY NOTE
 INFORMATION REGARDING THE REPUTED PRESENCE, SIZE, CHARACTER AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES IS SHOWN HEREON. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION AND IT SHALL BE CONSIDERED IN THAT LIGHT BY THOSE USING THIS DRAWING. THE LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITIES AND STRUCTURES SHOWN HEREON MAY BE INACCURATE AND UTILITIES AND STRUCTURES NOT SHOWN MAY BE ENCOUNTERED. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS AND HIS CONTRACTORS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE SURVEYOR IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION.

GSWCC
 GEORGIA SOIL AND WATER CONSERVATION COMMISSION

MICHAEL TODD PARKER
 Level II Certified Design Professional

CERTIFICATION NUMBER 0000064207
 ISSUED: 6/23/20 EXPIRES: 6/23/28

FILE PATH: E:\PROJECTS\2025\2110-GRIZZLY PARK SIDEWALK\K0205 10_EROSION CONTROL PLAN.DWG - OWEN PARKER
 PLOT DATE: 21/10/2025 7:31 AM

SAMPLING FREQUENCY #31

PRODUCT SPECIFIC PRACTICES BELOW ARE LISTED IN ACCORDANCE WITH PART IV.C.6. D OF THE GAR 10001-STAND ALONE PERMIT

a. SAMPLING FREQUENCY.

(1). THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN IN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.

(2). HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORMWATER DISCHARGE.

(3). SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS:

(A). FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;

(B). IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;

(C). AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPs IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPs ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED;

(D). WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE; AND

(E). EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.

*NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

REPORTING OF SAMPLING #31

REQUIREMENTS FOR REPORTING OF SAMPLING POINTS ARE LISTED BELOW IN ACCORDANCE WITH PART IV. OF THE GAR 10001-STAND ALONE PERMIT

1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORMWATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART VI.G.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPD USING THE ELECTRONIC SUBMITTAL SERVICE PROVIDED BY EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

2. ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:

a. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS;

b. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;

c. THE DATE(S) ANALYSES WERE PERFORMED;

d. THE TIME(S) ANALYSES WERE INITIATED;

e. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;

f. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;

g. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS;

h. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND

i. CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.

3. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT (CERTIFIED MAIL OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

RETENTION OF RECORDS #32

REQUIREMENTS FOR RETENTION OF RECORDS ARE LISTED BELOW IN ACCORDANCE WITH PART IV.E. OF THE GAR 10001-STAND ALONE PERMIT

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:

a. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;

b. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;

c. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;

d. A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;

e. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT;

f. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND

g. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(2). OF THIS PERMIT.

2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI. OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

NTU LIMIT RATIONALE #35

REFER TO APPENDIX "B" WITHIN NPDES GAR 100001 PERMIT FOR NTU LIMIT CHART BASED ON STREAM TYPE SUPPORTING WARM WATER FISHERIES OR TROUT STREAMS.

SIZE OF CONSTRUCTION SITE: 7.55 AC.

SURFACE WATER DRAINAGE AREA:

TYPE OF RECEIVING WATER:

APPENDIX B RATIONALE FOR OUTFALL SAMPLING POINTS WHERE APPLICABLE.

WARM WATER (SUPPORTING WARM WATER FISHERIES) SURFACE WATER DRAINAGE AREA, SQUARE MILES	0-4.99	5-10.50+	11-24.99	25-40.50	40.50-90.50	90.50-180.50	180.50-490.50	490.50-990.50	990.50+
1.00-10	75	150	200	400	750	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750	750
25.01-50	50	50	100	100	200	300	750	750	750
50.01-100	50	50	50	100	100	150	300	600	600
100.01+	50	50	50	50	50	100	200	100	100

TO USE THESE TABLES, SELECT THE SIZE (ACRES) OF THE FACILITY OR COMMON DEVELOPMENT. THEN, SELECT THE SURFACE WATER DRAINAGE AREA (SQUARE MILES).

PRE- VS. POST RUNOFF #45

REFER TO STORMWATER MANAGEMENT REPORT FOR DETAILED ANALYSIS OF PRE-DEVELOPED RUNOFF CONDITIONS, POST-DEVELOPED RUNOFF CONDITIONS, AND CONTROLS DESIGNED TO CHANGES IN SITE CONDITIONS DUE TO DEVELOPMENT (I.E. WATER QUALITY, CHANNEL PROTECTION, AND/OR DETENTION).

PRE-DEVELOPED RUNOFF COEFFICIENT (CURVE NUMBER): 80

POST-DEVELOPED RUNOFF COEFFICIENT (CURVE NUMBER): 86

SUMMARY OF POST-DEVELOPED STORMWATER CONTROLS USED:

SAMPLE METHODS #33

(1). FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORMWATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:

(A). THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORMWATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.

(B). THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORMWATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.

(C). IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORMWATER OUTFALL CHANNEL(S).

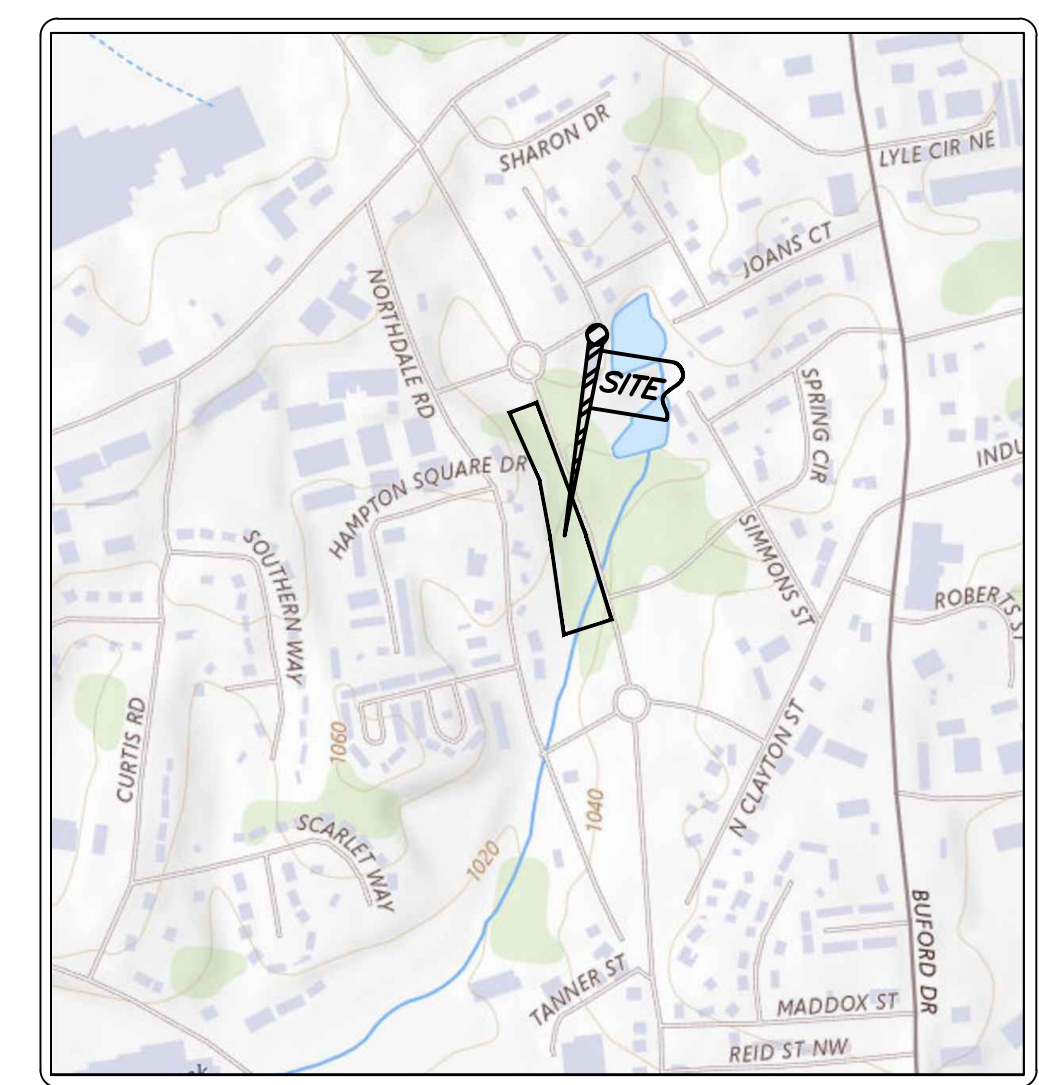
(D). CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORMWATER CHANNEL.

(E). THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.

(F). THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.

(G). PERMITTEES DO NOT HAVE TO SAMPLE SHEET FLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORMLY COVERED WITH LANDSCAPING MATERIALS IN PLANNED LANDSCAPED AREAS), OR EQUIVALENT PERMANENT STABILIZATION MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION).

(H). ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORMWATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D.4., WHICHEVER IS APPLICABLE.



Topographic Map--Receiving Waters to Stream

GEORGIA811
Utilities Protection Center, Inc.

Know what's below.
Call before you dig.

UTILITY NOTE

INFORMATION REGARDING THE REPUTED PRESENCE, SIZE, CHARACTER AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES IS SHOWN HEREON. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION AND IT SHALL BE CONSIDERED IN THAT LIGHT BY THOSE USING THIS DRAWING. THE LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITIES AND STRUCTURES SHOWN HEREON MAY BE INACCURATE AND UTILITIES AND STRUCTURES NOT SHOWN MAY BE ENCOUNTERED. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS AND HIS CONTRACTORS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE SURVEYOR IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION.

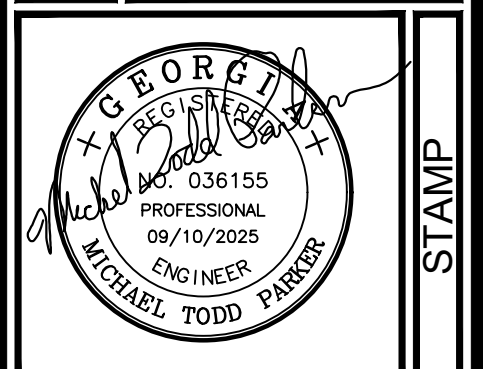
GSWCC
GEORGIA SOIL AND WATER CONSERVATION COMMISSION

MICHAEL TODD PARKER
Level II Certified Design Professional

CERTIFICATION NUMBER 000064207
ISSUED: 6/23/20 EXPIRES: 6/23/26

© 2025 PRECISION PLANNING, INC. ALL RIGHTS RESERVED.

THESE CONSTRUCTION DOCUMENTS AND ANY INSTRUMENTS REFERENCED THEREIN ARE THE SOLE PROPERTY OF PRECISION PLANNING, INC. AND ARE NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF PRECISION PLANNING, INC.



PRECISION Planning Inc.

planners • engineers • architects • surveyors

400 Pike Boulevard, Lawrenceville, GA 30046
770.338.8000 • www.ppi.us

GRIZZLY PARKWAY SIDEWALK

LAND LOT 145, DISTRICT 5,
GRIZZLY PARKWAY,
LAWRENCEVILLE, GA 30046

EROSION CONTROL NOTES

SHEET TITLE	
DESIGN	ZJD
DRAWN	ZJD
CHECKED	MTP

DATE	NO.	DESCRIPTION

9/01/2025
DATE

C25-110
PPI PROJECT NO.

C4.2

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

DEFINITION

THE PLANTING OF PERENNIAL VEGETATION SUCH AS TREES, SHRUBS, VINES, GRASSES, OR LEGUMES ON EXPOSED AREAS FOR FINAL PERMANENT STABILIZATION. PERMANENT PERENNIAL VEGETATION SHALL BE USED TO ACHIEVE FINAL STABILIZATION.

CONDITIONS

PERMANENT PERENNIAL VEGETATION IS USED TO PROVIDE A PROTECTIVE COVER FOR EXPOSED AREAS INCLUDING CUTS, FILLS, DAMS, AND OTHER DENuded AREAS.

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 SEEDING 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.

SEEDING PREPARATION

SEEDING PREPARATION MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. WHEN CONVENTIONAL SEEDING IS TO BE USED, SEEDING PREPARATION WILL BE DONE AS FOLLOWS:

- 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 FINISH THE SOIL ALLOW FOR THE PROPER PLACEMENT OF SEED, SPRINGS, OR PLANTS; AND ALLOW FOR THE ANCHORING OF STRAW OR HAY MULCH IF A DISK IS TO BE USED.
- TILLAGE MAY BE DONE WITH ANY SUITABLE EQUIPMENT.
- TILLAGE SHOULD BE DONE ON THE CONTOUR WHERE FEASIBLE.

FERTILIZER REQUIREMENTS

TYPES OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT	RATE	N TOP DRESSING RATE
1. Cool season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 1/2"
	Maintenance	10-10-10	400 lbs./ac.	30
2. Cool season grasses and legumes	First	6-12-12	1500 lbs./ac.	0-50 lbs./ac. 1/2"
	Second	0-10-10	100 lbs./ac.	
3. Warm season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 2/4"
	Second	10-10-10	800 lbs./ac.	50-100 lbs./ac. 2/4"
4. Warm season grasses and legumes	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 1/4"
	Second	0-10-10	1000 lbs./ac.	

- WHERE INDIVIDUAL PLANTS ARE TO BE SET, THE SOIL SHALL BE PREPARED BY EXCAVATING HOLES, OPENING FURROWS, OR DRIBBLE PLANTING. HOLES SHALL BE LARGE ENOUGH TO ACCOMMODATE ROOTS WITHOUT CROWDING.
- 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.

INDIVIDUAL PLANTS

WHERE INDIVIDUAL PLANTS ARE TO BE SET, THE SOIL SHALL BE PREPARED BY EXCAVATING HOLES, OPENING FURROWS, OR DRIBBLE PLANTING. HOLES SHALL BE LARGE ENOUGH TO ACCOMMODATE ROOTS WITHOUT CROWDING.

PLANTING

HYDRAULIC SEEDING

MIX THE SEED (INOCULATED 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 CULTIPACKER SEEDER, 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 SPRINGS 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 TIPS OF VINES AND SPRINGS MUST BE AT OR SLIGHTLY ABOVE THE GROUND SURFACE. WHERE INDIVIDUAL HOLES ARE DIG, 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 SEEDING AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED:

- DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE APPLIED AT A RATE OF 2 1/2 TONS PER ACRE. DRY HAY SHALL BE APPLIED AT A RATE OF 2 1/2 TONS PER ACRE.
- WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDROLYC SEEDING. IT SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE. DRYSTRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYDRAULIC SEEDING.
- 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.
- SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF THREE TONS PER ACRE.
- PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR SEEDING PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER COVER CROPS ARE PLANTED. THIS IS NOT APPROPRIATE FOR SEEDING 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 ON SLOPES, DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BITUMINOUS TREATED ROVING SHALL BE APPLIED WITHIN 24 HOURS AFTER AN AREA HAS BEEN PLANTED.

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 TOP 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:

- EMULSIFIED ASPHALT CAN BE (A) SPRAYED UNIFORMLY ONTO THE MULCH AS IT IS EJECTED FROM THE BLOWER MACHINE OR (B) SPRAYED ON THE MULCH IMMEDIATELY FOLLOWING MULCH APPLICATION WHEN STRAW OR HAY IS SPREAD BY METHODS OTHER THAN SPECIAL BLOWER EQUIPMENT.

THE COMBINATION OF ASPHALT EMULSION AND WATER SHALL CONSIST OF A HOMOGENEOUS MIXTURE SATISFACTORY FOR SPRAYING. THE MIXTURE SHALL CONSIST OF 100 GALLONS OF GRADE SS-1H OR CSS-1H EMULSIFIED ASPHALT AND 100 GALLONS OF WATER PER TON OF ASPHALT.

CARE SHALL BE TAKEN AT ALL TIMES TO PROTECT STATE WATERS, THE PUBLIC, ADJACENT PROPERTY, PAVEMENTS, CURBS, SIDEWALKS, AND ALL OTHER STRUCTURES FROM ASPHALT DISCOLORATION.

2. HAY AND STRAW MULCH SHALL BE PRESSED INTO THE SOIL IMMEDIATELY AFTER THE STRAIGHT MAY BE USED. THE DISKS MAY BE SMOOTH OR SERIATED 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.

3. SYNTHETIC TACKIFIERS OR BINDERS APPROVED BY GOVT SHALL BE APPLIED IN CONJUNCTION WITH OR IMMEDIATELY AFTER THE MULCH IS SPREAD. SYNTHETIC TACKIFIERS SHALL BE MIXED AND APPLIED ACCORDING TO MANUFACTURER'S SPECIFICATIONS. REFER TO W-T TACKIFIERS AND BINDERS.

4. RYE OR WHEAT CAN BE INCLUDED WITH MULCH TO STABILIZE THE MULCH. THEY SHALL BE APPLIED AT A RATE OF ONE-QUARTER TO ONE HALF BUSHEL PER ACRE.

5. 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.

IRRIGATION

IRRIGATION SHALL BE APPLIED AT A RATE THAT WILL NOT CAUSE RUNOFF.

SEEDING RATES FOR PERMANENT SEEDING

SPECIES	RATE PER ACRE	RATE PER 1000 SQ. FT.	PLANTING DATES**
BAHIA	100 LBS	30 LBS	1/1-12/31
BERMUDA	0.2 LBS	10 LBS	2/15-7/1
CENTIPED BLOCK SOD	ONLY	ONLY	4/1-7/1
LESPEDEZA	1.7 LBS	75 LBS	1/1-12/31
WEEDING LOVE GRASS	0.1 LBS	4 LBS	2/1-6/15
SWITCH GRASS	0.9 LBS	4 LBS	3/15-6/1

DEFINITION

THE ESTABLISHMENT OF TEMPORARY COVER WITH FAST GROWING SEEDINGS FOR SEASONAL PROTECTION ON DISTURBED OR DENuded AREAS.

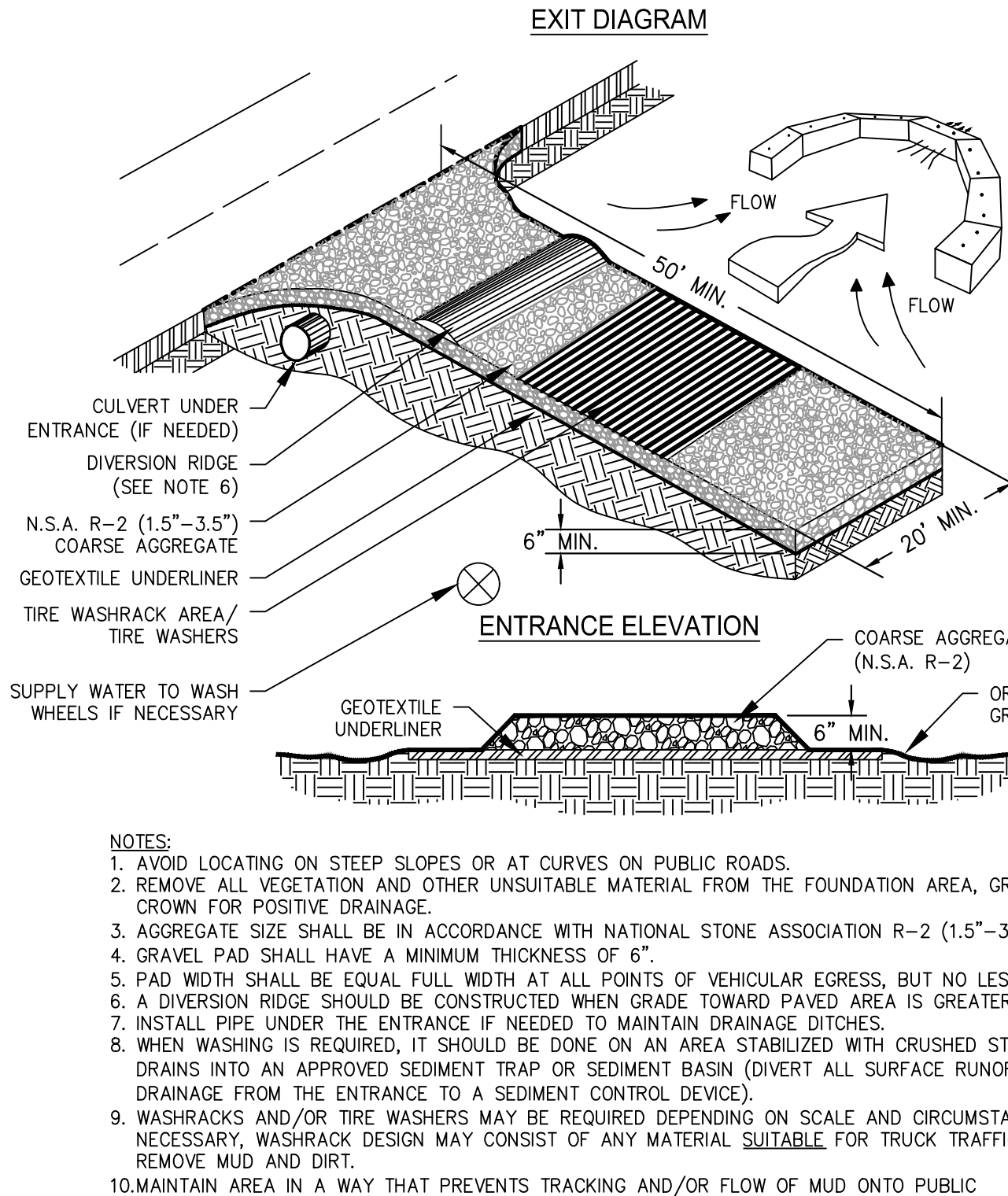
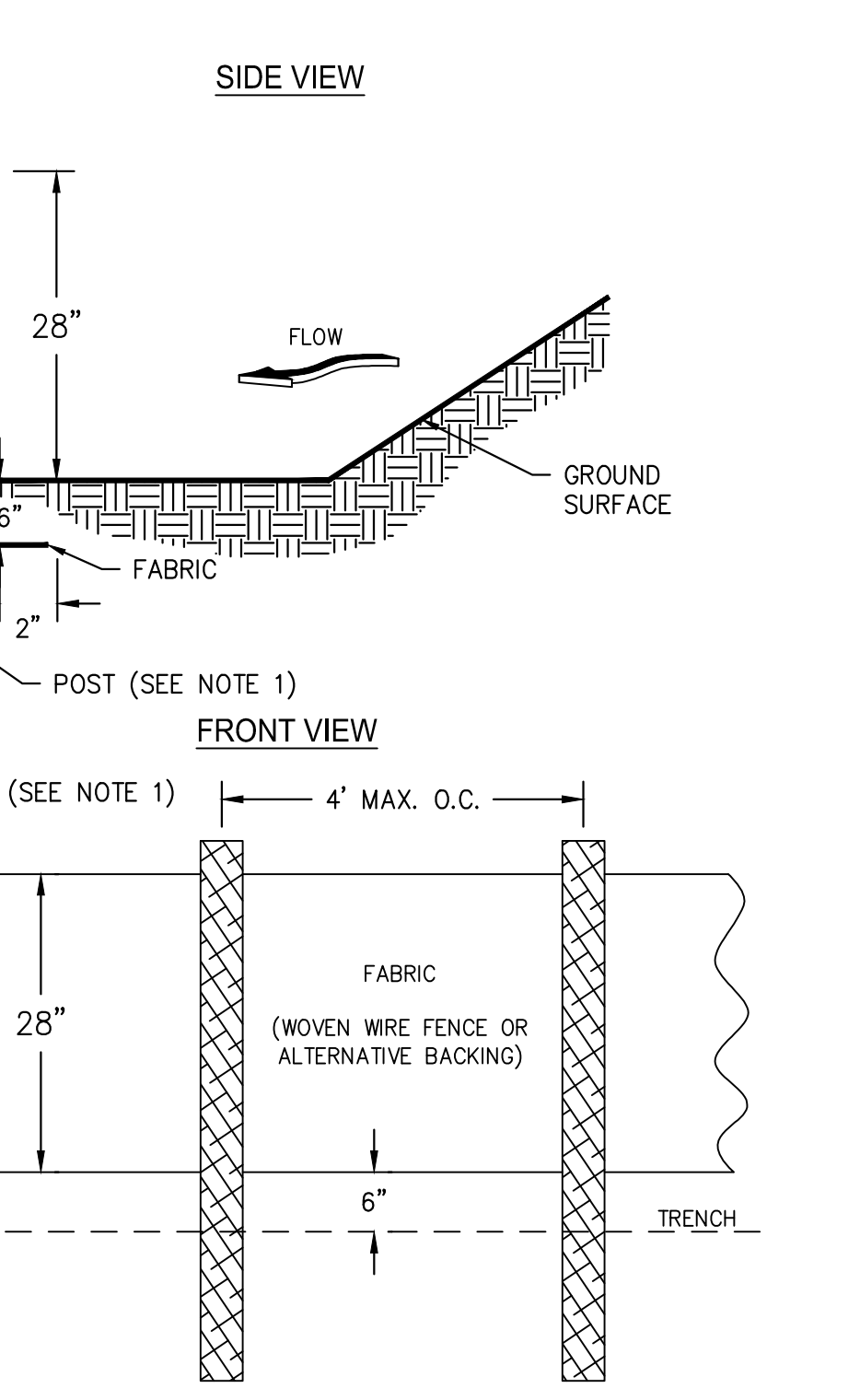
CONDITIONS

TEMPORARY GRASSING, INSTEAD OF MULCH, CAN BE APPLIED TO ROUGH GRADED AREAS THAT WILL BE EXPOSED FOR LESS THAN SIX MONTHS. TEMPORARY VEGETATION MEASURES SHOULD BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMIC AND EFFECTIVE STABILIZATION. MOST TYPES OF TEMPORARY VEGETATION ARE IDEAL TO USE AS COMPANION CROPS UNTIL PERMANENT VEGETATION IS ESTABLISHED.

SEEDING RATES FOR TEMPORARY SEEDING

SPECIES	RATE PER ACRE	RATE PER 1000 SQ. FT.	PLANTING DATES**
RYE	1,000 SF	3.9 LBS	3 bu.
RYEGRASS	0.9 lbs	40 lbs	8/15- 4/1
ANNUAL LESPEDEZA	0.9 lbs	40 lbs	1/15 - 3/15
WEEDING LOVE GRASS	0.1 lbs	4 lbs	2/15 - 6/15
SUDANGRASS	1.4 lbs	60 lbs	3/1 - 8/1
BROWNTOP MILLET	0.9 lbs	40 lbs	4/1 - 7/15
WHEAT	4.1 lbs	3 bu	8/15 - 2/1

Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY VEGETATION)



- AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
- REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND DRAINAGE FOR POSITIVE DRAINAGE.
- AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
- GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
- PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 2'.
- A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2".
- INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
- WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
- WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
- MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANUP OF ANY MEASURES USED TO TRAP SEDIMENT.

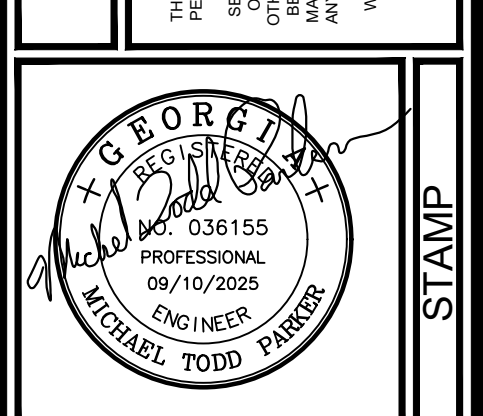
CONCRETE WASHDOWN OF THE DRUM IS NOT ALLOWED ON-SITE. TO BE INSTALLED AND OPERATIONAL PRIOR TO ANY CONCRETE WORK ON-SITE. STONE BASE SIZE = N.S.A. R-2 1 1/2" TO 3 1/2" DIA. COARSE AGGREGATE. PROVIDE PERIODIC TOP DRESSING AS NECESSARY WITH 1 1/2" TO 3 1/2" DIA. STONE.

CONCRETE WASHOUT

GEORGIA UNIFORM CODING SYSTEM FOR SOIL EROSION AND SEDIMENTATION CONTROL PRACTICES
GEORGIA SOIL AND WATER CONSERVATION COMMISSION

STRUCTURAL PRACTICES				STRUCTURAL PRACTICES			
CODE	PRACTICE	DETAIL SYMBOL	DESCRIPTION	CODE	PRACTICE	DETAIL SYMBOL	DESCRIPTION
Co	DESIGN		A small temporary barrier or dam constructed across a road, drainage ditch or area of concentration.	Sr	DESIGN		A temporary bridge or culvert-like structure containing a system of watercourse that drainage by existing construction.
Ch	CHANNEL PROTECTION		Improving, constructing or stabilizing an open channel, existing stream, or ditch.	St	STABILIZATION		A post-and-rail system of stone placed at the outlet of a storm drain providing erosion from the uncontrolled runoff.
Co	CONSTRUCTION DETOUR		A treated stone pad located at the construction site used to provide a place for detouring, must be installed before any construction begins.	Su	SURFACE PROTECTION		A mesh mat surface with horizontal depression on a surface of slope left in a vegetated location after grading.
Cr	CONSTRUCTION DETOUR		A structure constructed as part of a construction plan including erosion control, sedimentation, and transportation routes.	Tc	TERRACE		A flanking or raised barrier installed within the water (if any) also be referred to as a flanking beam, berm, or sill curtain).
Dc	DESIGN		A temporary structure constructed to channel flow through a construction site to a permanent structure being constructed.	Tp	TERRACE		The protection of existing or new terraces and ditches to prevent erosion over the disturbed area after completion of construction activities.
Di	DESIGN		Flow through a structure to control erosion, debris, or sediment to a safe outlet. May be a temporary or permanent structure.	Tr	TERRACE		To protect desirable trees from injury during construction activity.
Dn1	DESIGN		A barrier of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. Use in temporary and suspension.	W	WATER CONTROL		Panel or aggregate water outlets for ditches, terraces, berms, dikes or similar structures.
Dn2	DESIGN		A paved chute, pipe, section, conduit or similar structure designed to safely conduct surface runoff down a slope.				
Fr	FLOW RESTRICTION		A temporary stone barrier constructed at stream pipe, bridge and point outlets.				
Ga	GRASS		Rock filter blankets when on hard-panned into position forming soil stabilizing structure.				
Gr	GRASS		Permanent structures installed to protect channels or waterways when channel slope would be sufficient for the runoff water to form pools.				
Lv	LEAVE		A stone filter outlet device constructed at pipe outlets across the slope where concentrated runoff is discharged at an un-eroded velocity onto un-eroded areas stabilized by existing vegetation.				
Rd	ROAD		A temporary stone filter blanket installed across a drainage pipe in conjunction with a temporary sediment trap.				
Rb	ROAD		A wall installed to stabilize cut and fill slopes where erosion is a concern. May be used to stabilize the toe of the sediment to be stabilized.				
Rt	ROAD		A device or structure placed in front of a permanent structure to prevent sediment from entering the structure to serve as a temporary sediment filter.				
Sd1	SEDIMENT BARRIER		A barrier to prevent sediment from leaving the site. May be constructed of stone, brush, logs and poles, or a sill fence.				
Soc	SOIL COVER		A temporary protective device formed at an eroded area to a storm drain to trap sediment.				
Sd3	SEDIMENT BARRIER		A bank created by excavation or a dam across a roadway. Water courses were used to temporarily divert "slurry" the toe of the sediment to be stabilized.				
Sd4	SEDIMENT BARRIER		A small temporary post that traps a disturbed area as well as sediment on either side. The structure has a temporary sediment basin in the toe of a pipe or ditch.				
Sk	SKIN		A device that releases/draws water from the surface of wetland ponds, traps, or basins at a controlled rate of flow.				
Spt	SEED BERM		A device that releases/draws water from the surface of wetland ponds, traps, or basins at a controlled rate of flow.				

PRECISION PLANNING, INC. ALL RIGHTS RESERVED. THESE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS SHALL BE THE PROPERTY OF PRECISION PLANNING, INC. AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF PRECISION PLANNING, INC.



PRECISION Planning Inc.
planners • engineers • architects • surveyors
400 Pike Boulevard, Lawrenceville, Ga 30046
770.338.8000 • www.ppi.us

GRIZZLY PARKWAY SIDEWALK
LAND LOT 145, DISTRICT 5, GRIZZLY PARKWAY, LAWRENCEVILLE, GA 30046

EROSION CONTROL DETAILS	SHEET TITLE	CHECKED	MTP
	DESIGN	ZJD	

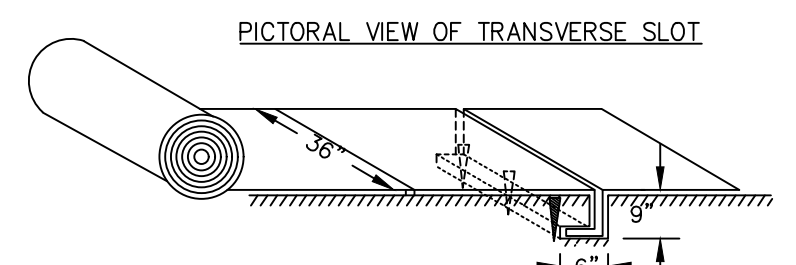
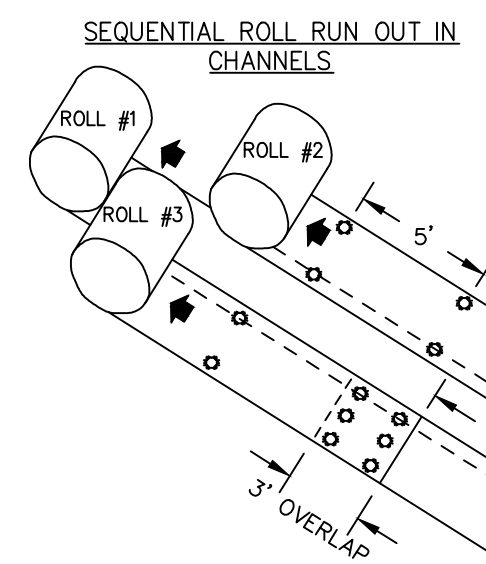
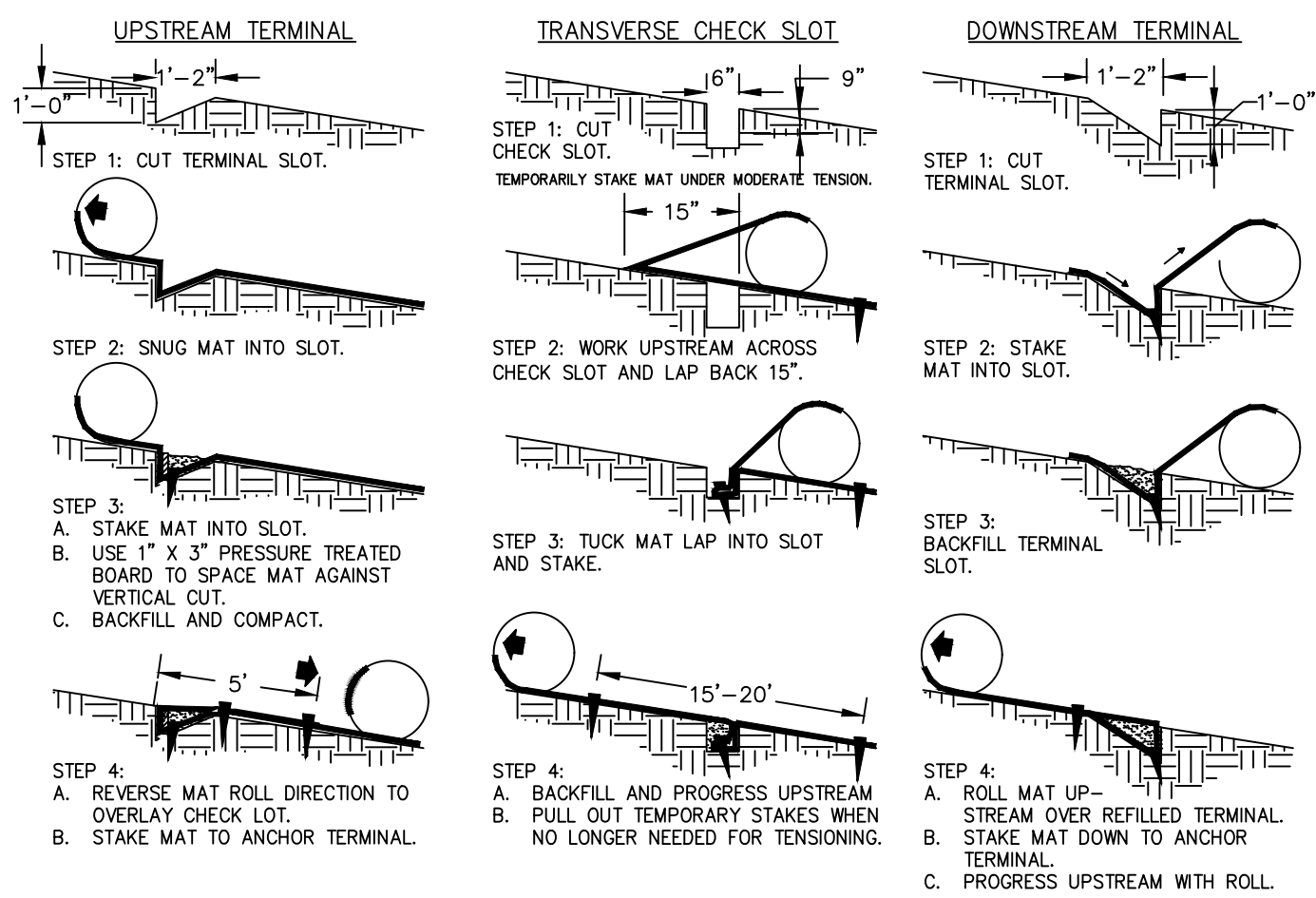
DATE	NO.	DESCRIPTION

9/01/2025
DATE
C25-110
PPI PROJECT NO.

C4.3

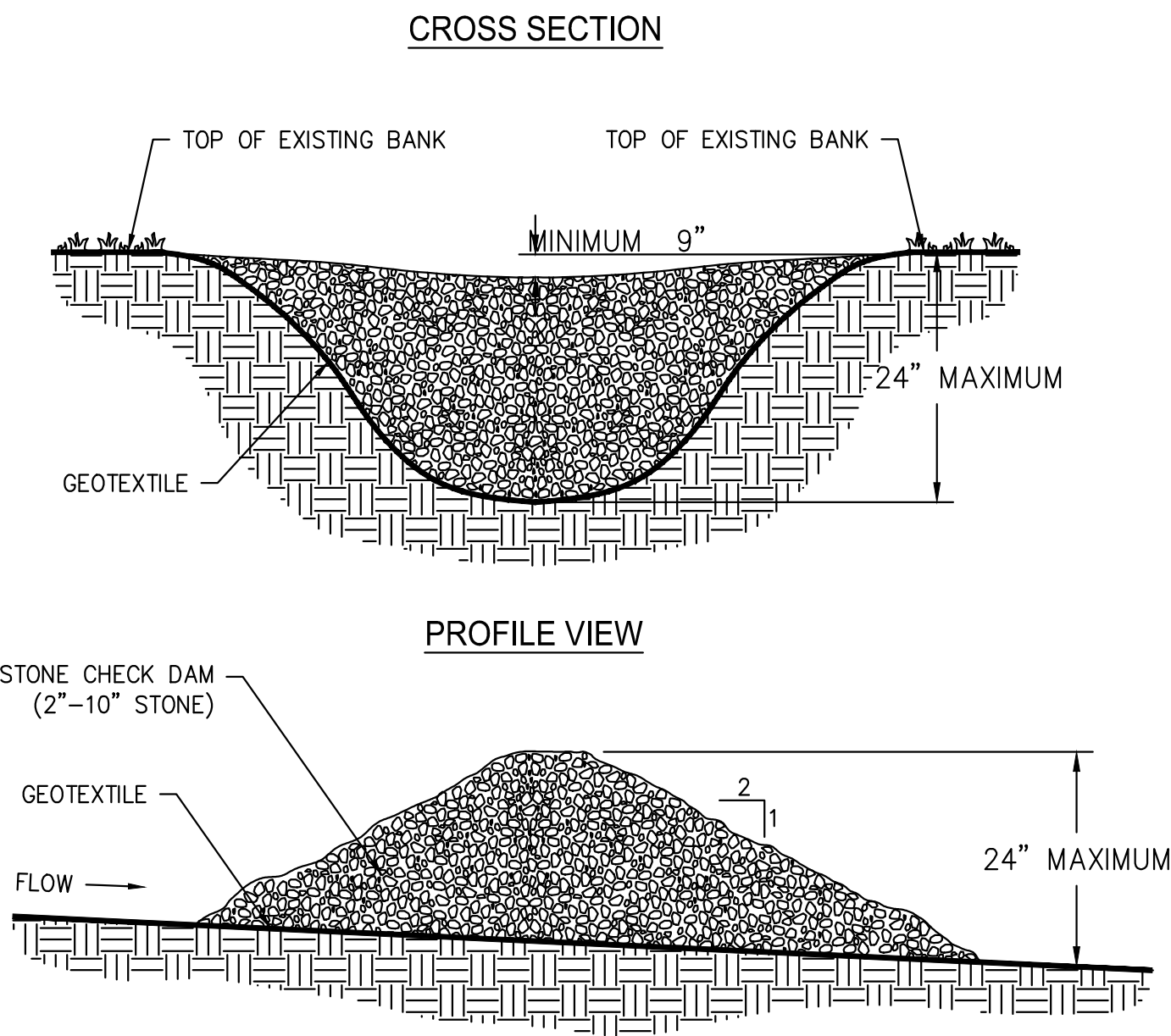
TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)

BLANKET AND MATTING CROSS-SECTIONS



- NOTES:**
1. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
 2. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID-CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
 3. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE, BEHIND THE FIRST ROLL. USE THE CENTER ROLL FOR ALIGNMENT TO THE CHANNEL CENTER.
 4. WORK OUTWARDS FROM THE CHANNEL CENTER TO THE EDGE.
 5. USE 3' OVERLAPS AND STAKE AT 5' INTERVALS ALONG THE SEAMS.
 6. USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT THE LINING AT THE ROLL ENDS.

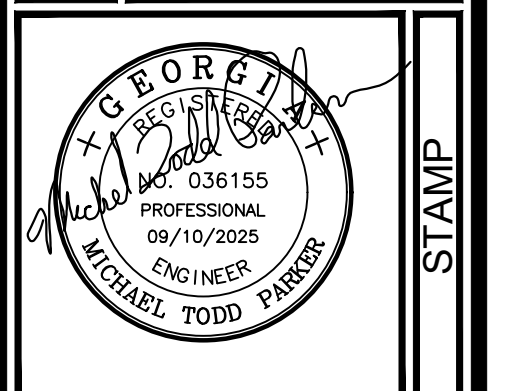
Ss **SLOPE STABILIZATION**
TYPE (BLANKET AND MATTING)



- NOTES:**
1. CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
 2. THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
 3. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.
 4. THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
 5. THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 SLOPE.
 6. GEOTEXTILE SHALL BE USED TO PREVENT THE MITIGATION OF SUBGRADE SOIL PARTICLES INTO THE STONES (REFER TO AASHTO M288-96, SECTION 7.3, TABLE 3).

Cd-S **CHECK DAM - STONE**

PRECISION PLANNING, INC.
ALL RIGHTS RESERVED.
THESE CONSTRUCTION DOCUMENTS AND ANY INFORMATION CONTAINED HEREIN ARE THE SOLE PROPERTY OF PRECISION PLANNING, INC. AND ARE NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF PRECISION PLANNING, INC.



PRECISION
Planning Inc.
planners • engineers • architects • surveyors
400 Pike Boulevard, Lawrenceville, Ga 30046
770.338.8000 • www.ppi.us

GRIZZLY PARKWAY
SIDEWALK
LAND LOT 145, DISTRICT 5,
GRIZZLY PARKWAY,
LAWRENCEVILLE, GA 30046

EROSION CONTROL DETAILS		SHEET TITLE	
DESIGN	ZJD	DRAWN	ZJD
CHECKED	MTP	CHECKED	MTP

DATE	NO.	DESCRIPTION

9/01/2025
DATE

C25-110
PPI PROJECT NO.

C4.4