# Southside Park

for

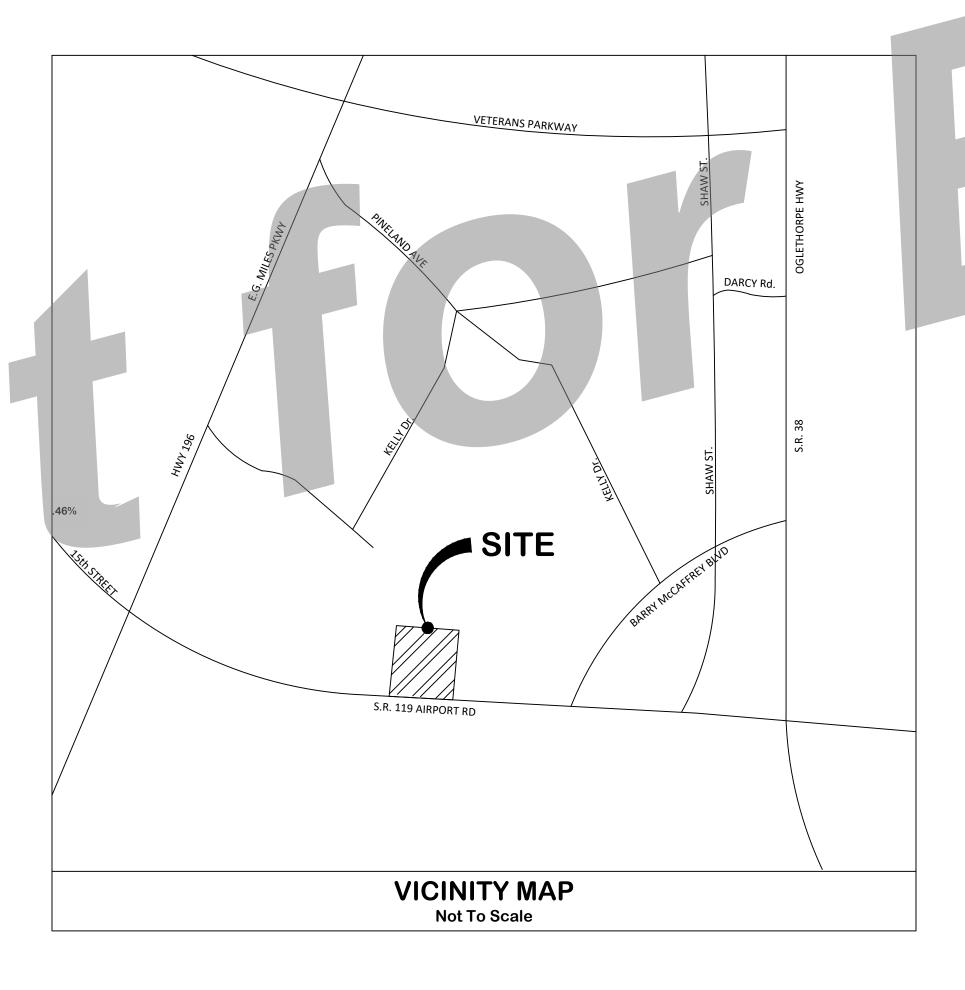
# City of Hinesville

Liberty County, Georgia
October 15, 2021
Revised December 16, 2021

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DRAWI	DRAWING LEGEND							
DESCRIPTION	PROPOSED	EXISTING						
SANITARY SEWER		SS						
UNDERGROUND WATER LINE	w	w						
FORCE MAIN	FM	——						
STORM DRAINAGE PIPE								
UNDERGROUND TELEPHONE LINE	т	т —						
UNDERGROUND TELEPHONE CONDUIT	тс	тс						
JNDERGROUND GAS LINE	12"G	12"G						
DITCH CENTERLINE								
TOP OF CURB & GUTTER ELEVATIONS	T=90.00 G=89.50	EX T=90.00 EX G=89.50						
SPOT ELEVATION	X=90.00	X=90.00						
FIRE HYDRANT	*	×						
SEWER MANHOLE	· §	S						
VATER VALVE	₩	wv ⊠						
FELEPHONE MANHOLE		Ф						
LIGHT POLE	<b>\$</b>	<b>\$</b>						
SIGN	<del>- o -</del>							
VATER METER	$\bowtie$	$\bowtie$						
BENCHMARK	<b>�</b>	•						
CONCRETE MONUMENT FOUND		•						
GUY POLE		-•						
RON PIN FOUND		0						
RON PIN SET	•							
TELEPHONE PEDESTAL								
POWER POLE	G	6						
HANDICAP SPACE	<u>E</u>	گ						
SEDIMENT BASIN MARKER W/NOTCH	SM SM	SM						
		i						





## **GENERAL NOTES**

- 1. ALL EXISTING UTILITIES SHOWN ARE LOCATED FROM BEST AVAILABLE INFORMATION THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACTUAL FIELD LOCATION AND PROTECTION OF EXISTING UTILITIES. OVERHEAD LINES ARE NOT SHOWN FOR CLARI
- ALL DISTURBED AREAS TO BE RE-VEGETATED IMMEDIATELY AFTER CONSTRUCTION, IN ACCORDANCE WITH THE MANUAL FOR EROSION AND SEDIMEN CONTROL IN GEORGIA.
- 3. ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE INSTALLED
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY PROPERTY CORNERS, RIGHT OF WAY MONUMENTS, SIGNS OR OTHER STRUCTURES DISTURBED DURING CONSTRUCTION.
- 5. ALL TRAFFIC AND SIGNAGE CONTROL SHALL BE IN ACCORDANCE WITH THE TRAFFIC CONTROL MANUAL GUCC, CURRENT EDITION.
- 6. ALL STREET AND INFRASTRUCTURE INSTALLATION TO BE IN ACCORDANCE WITH LIBERTY COUNTY DEVELOPMENT STANDARDS.

OWNER/AGENT:
CITY OF HINESVILLE
CONTACT: KENNETH HOWARD
(CITY MANAGER)

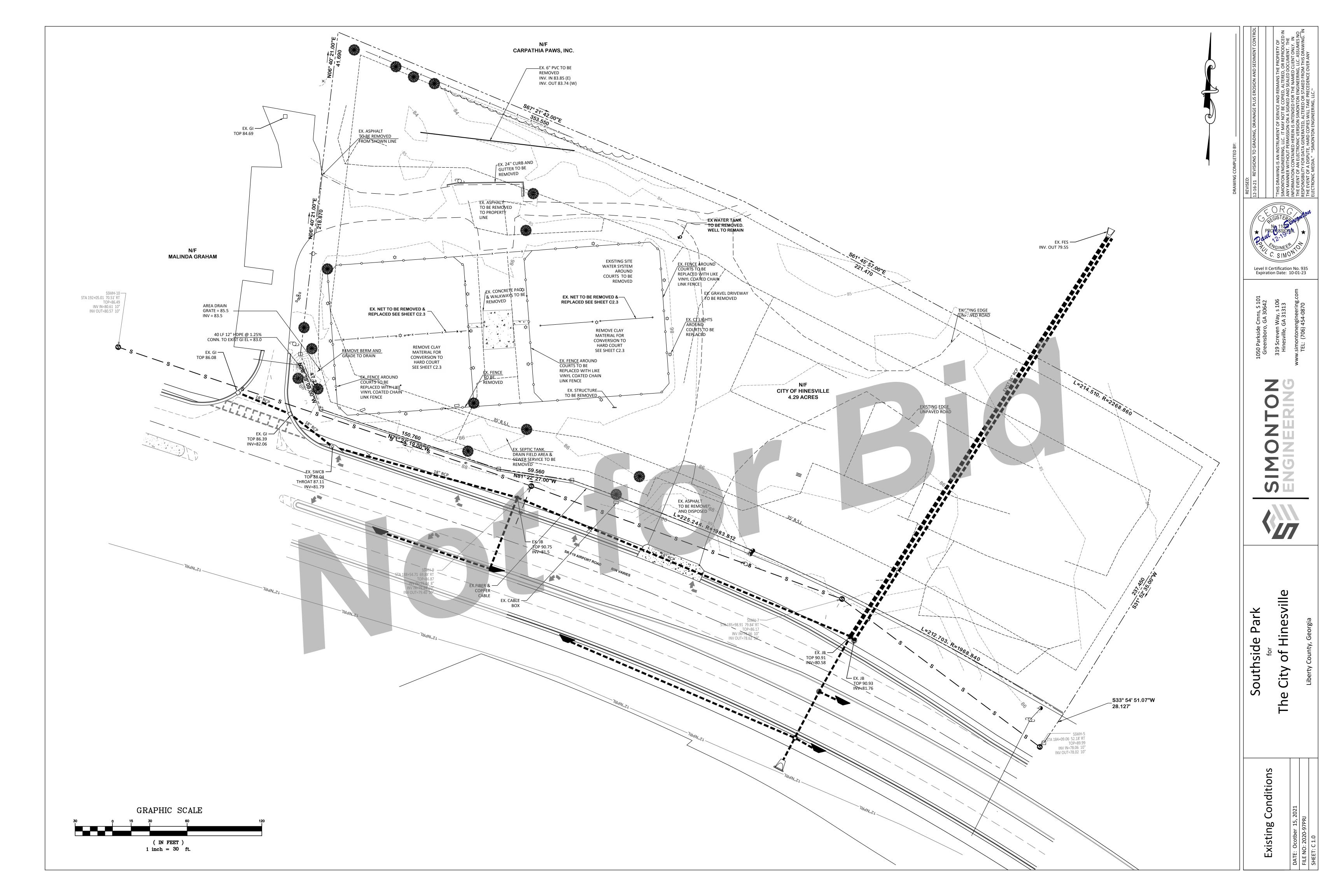
(CITY MANAGER)
115 EAST M.L. KING, JR. DRIVE
HINESVILLE, GA 31313
TEL: (912) 876-3564
khoward@cityofhinesville.org

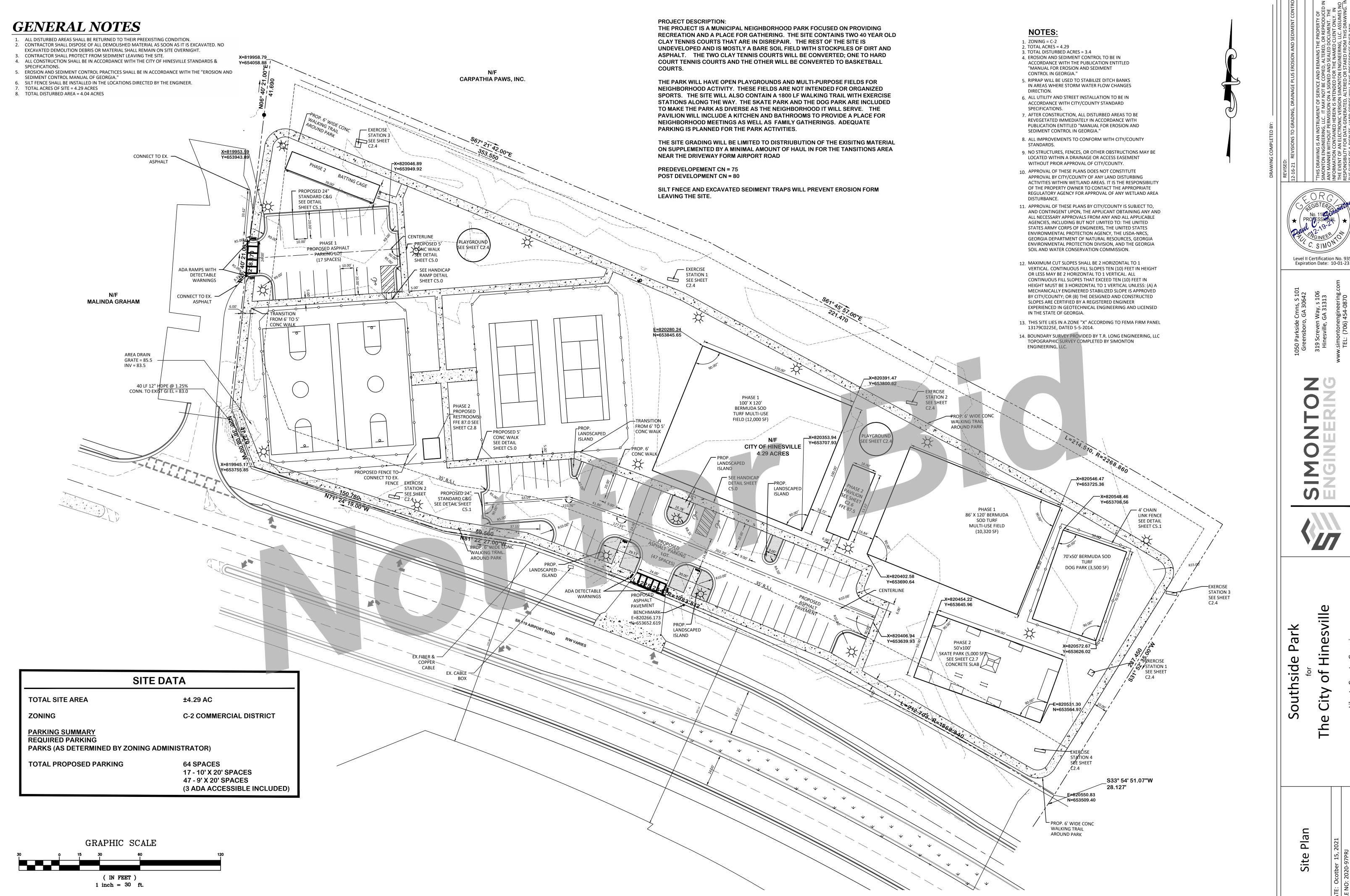




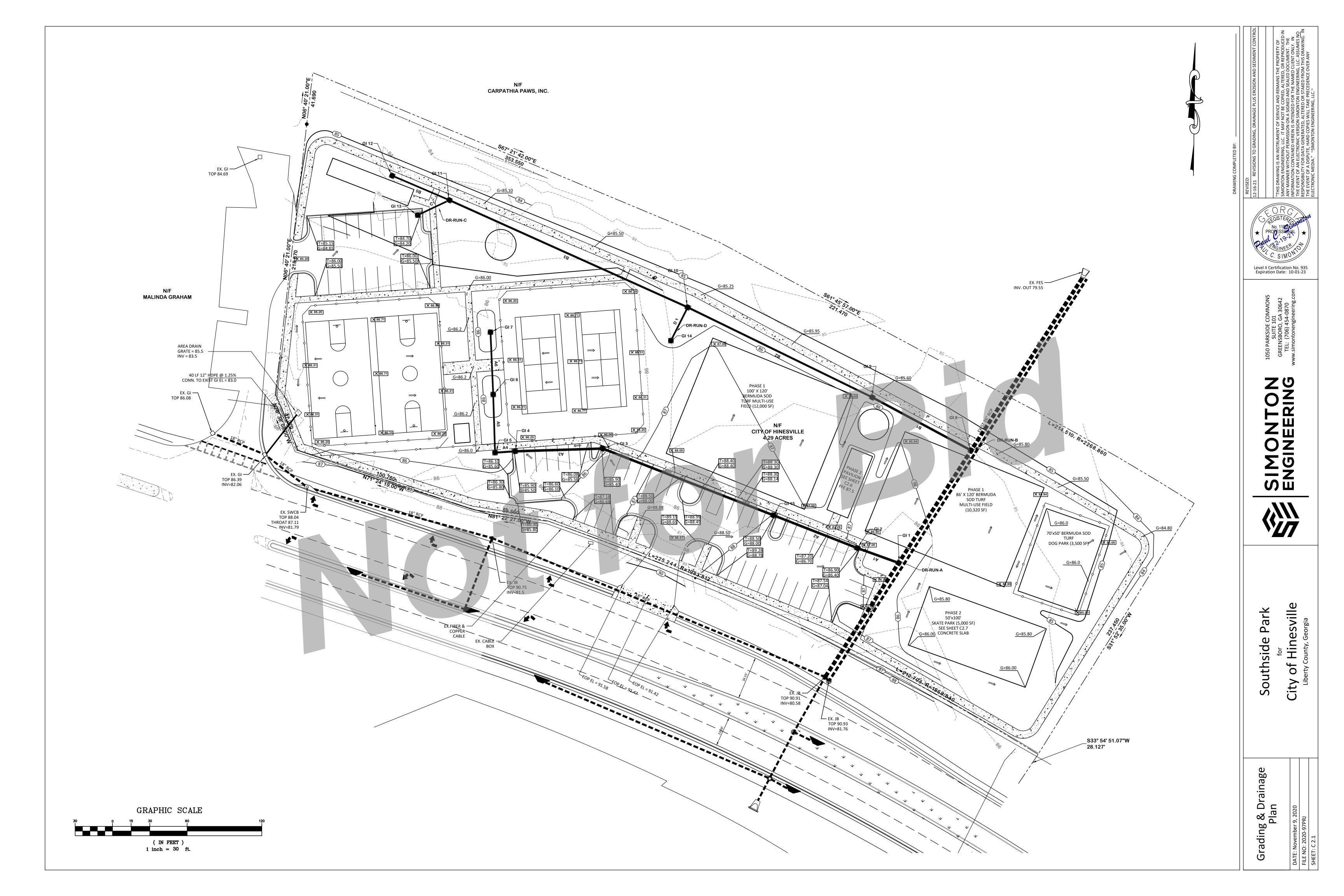
JOB NO. 2020-97PRJ

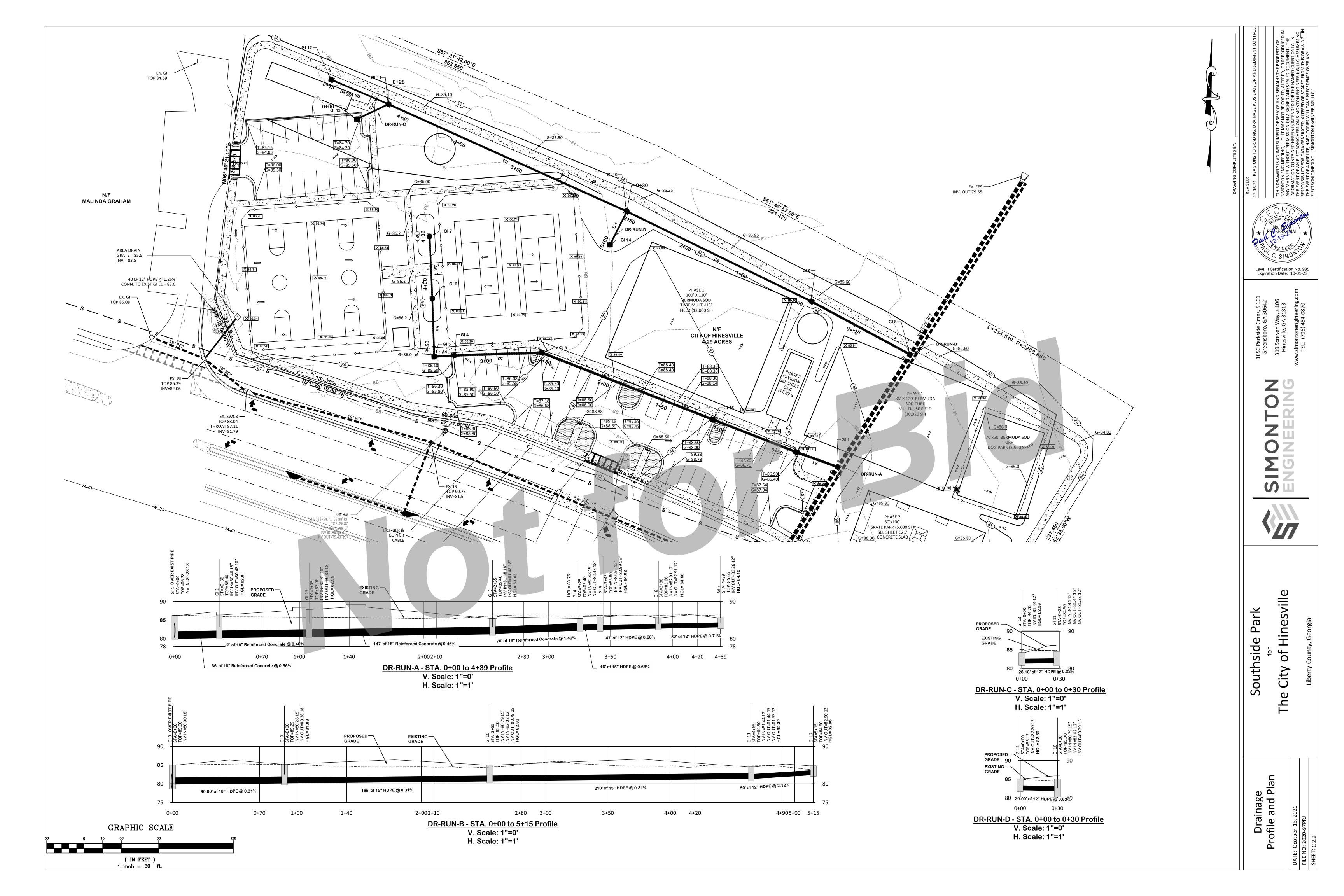
REVISION NO.	DATE	DESCRIPTION
#1	12-16-21	REVISIONS TO GRADING, DRAINAGE PLUS EROSION AND SEDIMENT CONTROL

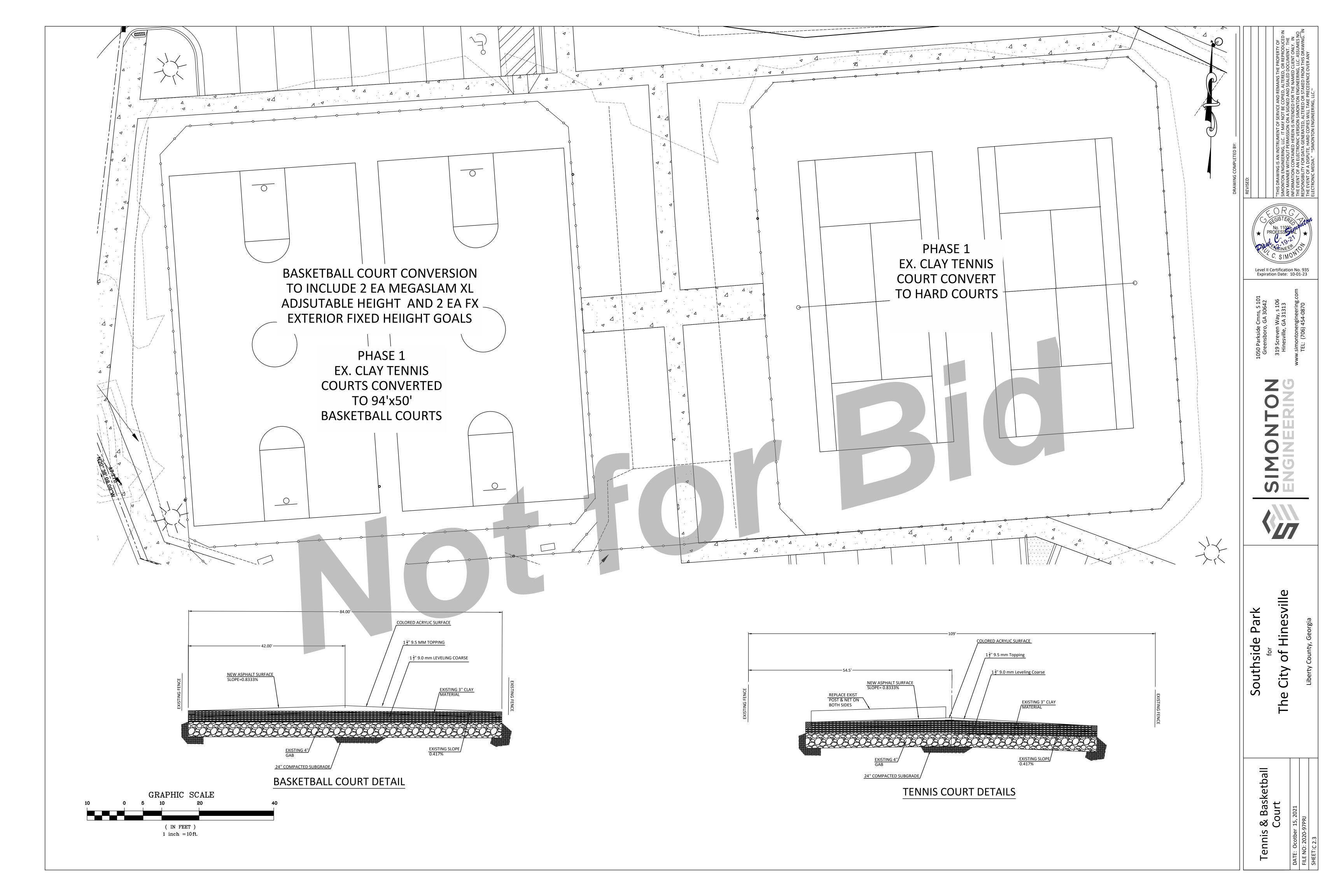


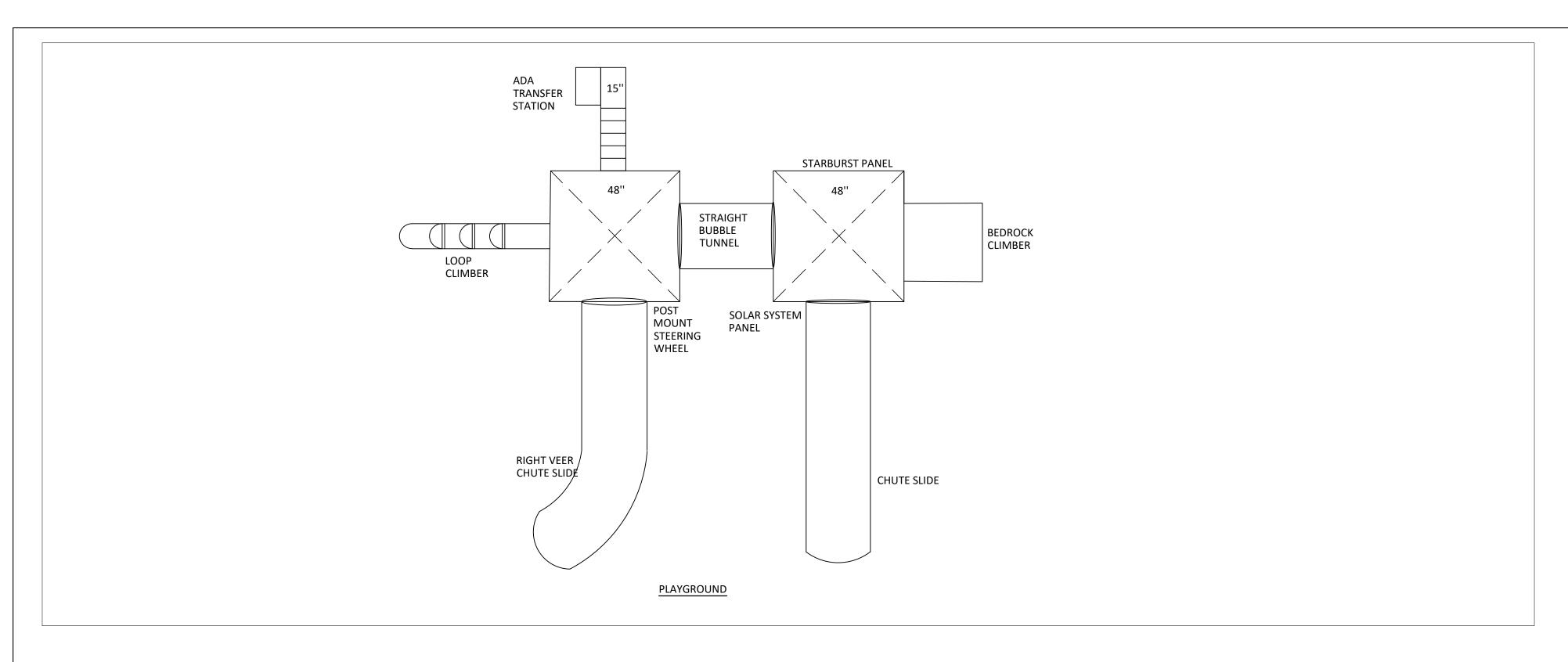


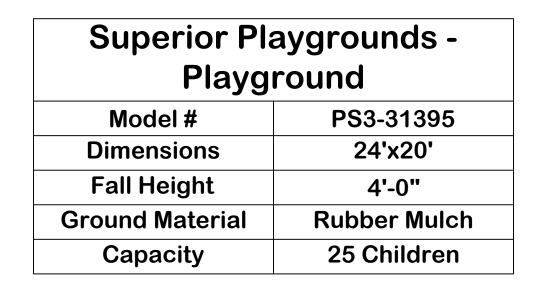
Level II Certification No. 935

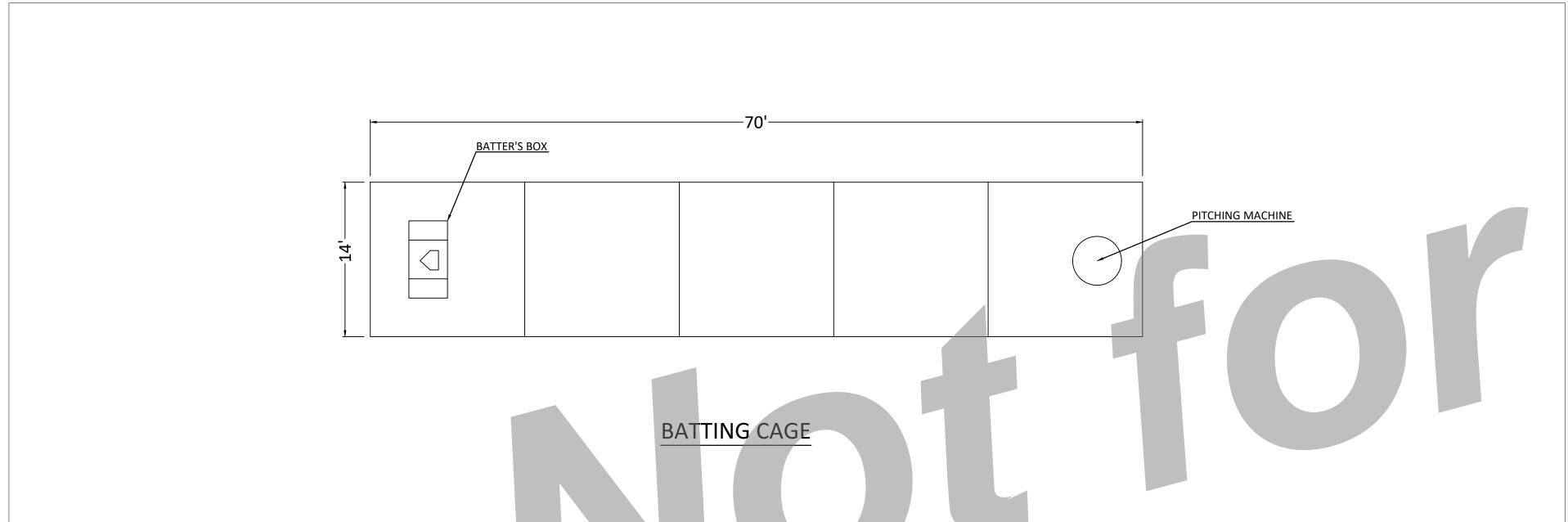


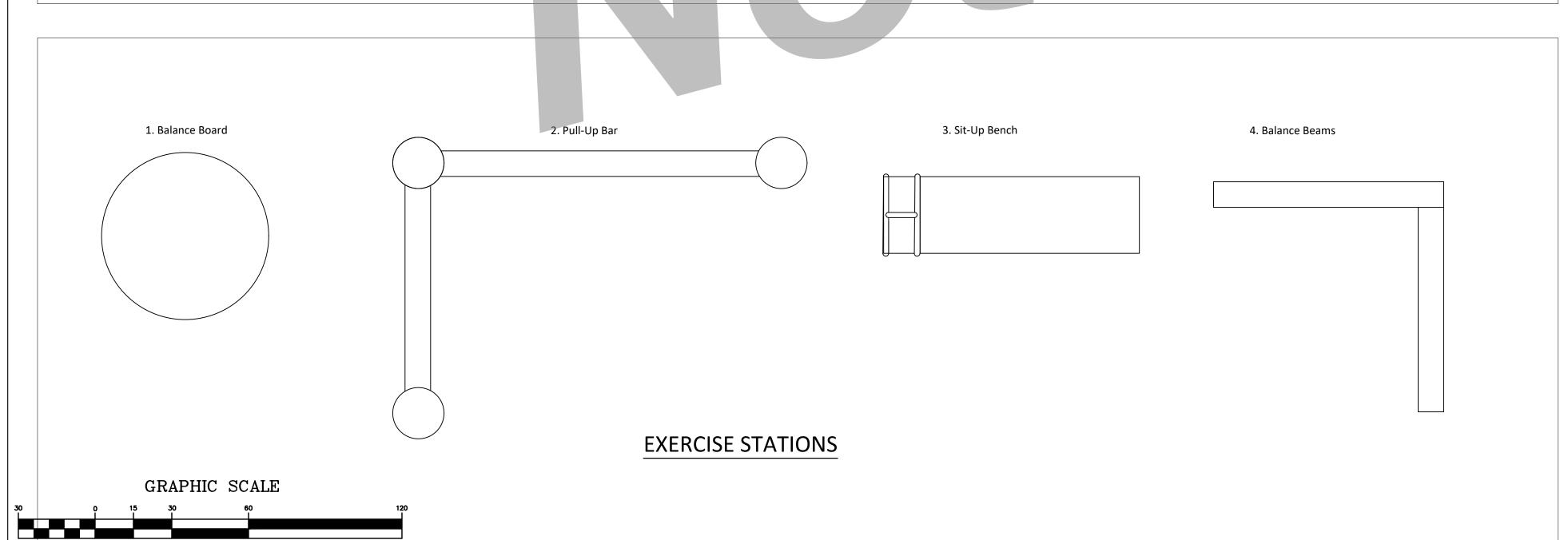










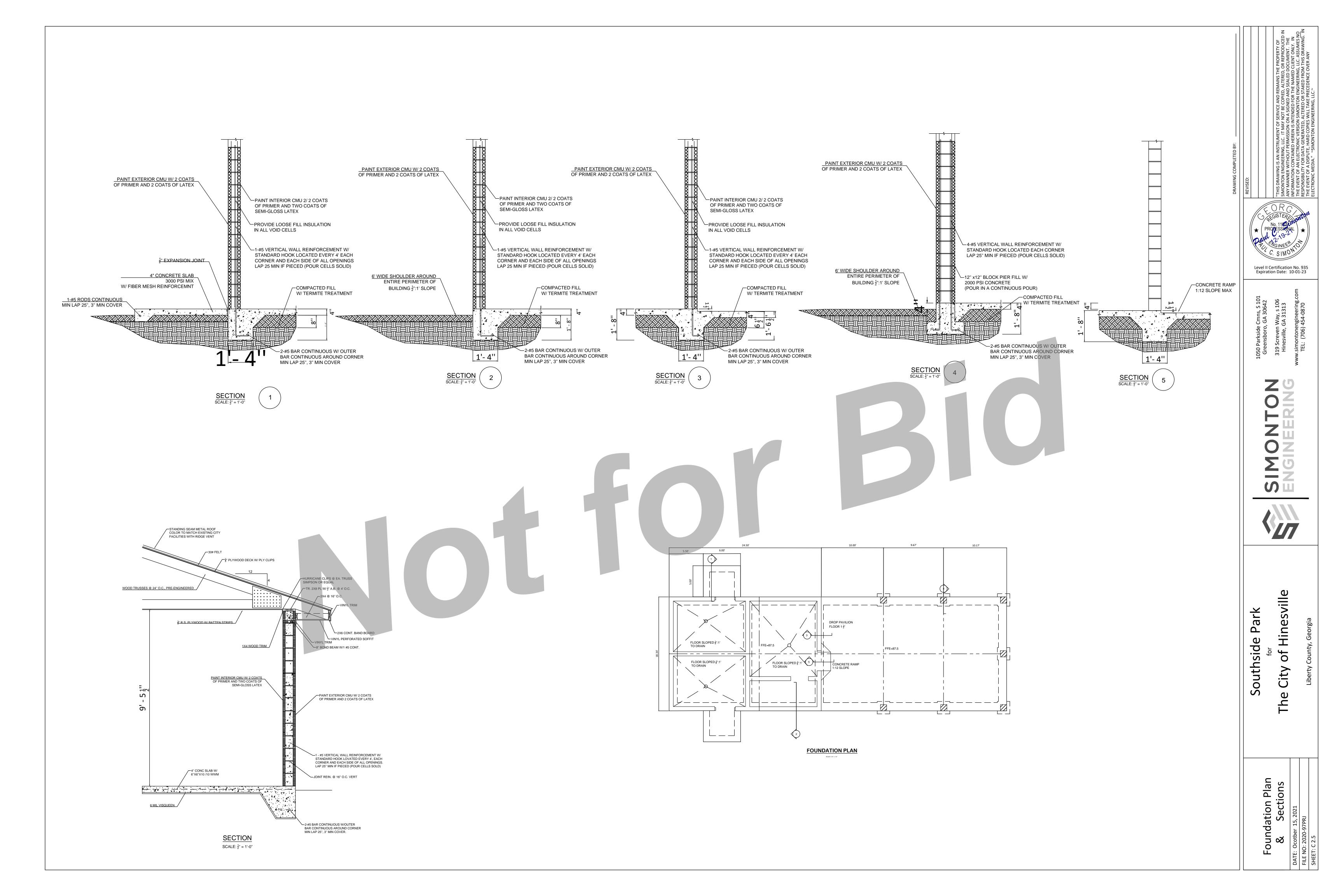


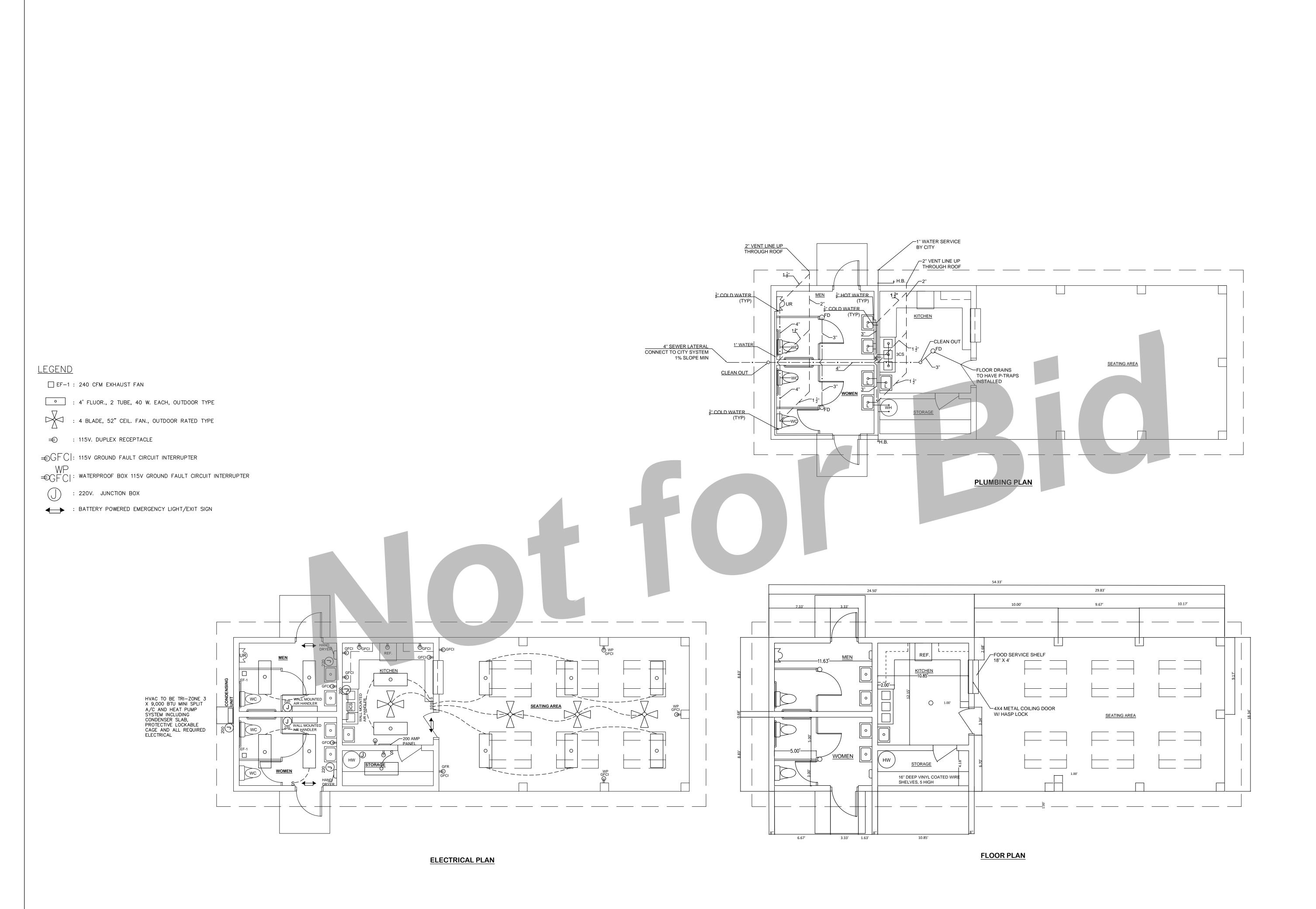
( IN FEET )
1 inch = 30 ft.

Batting C	ages Inc				
12x1	4x70				
Description	Model #				
Net	KVX200				
	SKU ALETA				
Batter's Box	BASEBALL				
	MAT-HP-RG-6X12				
Pitching Machine	SKU PM BATA B1				
r itoming macinine	BB 10				
Turf	SKU ALETA				
Turi	BASEBALL MATCU				
	SKU FKB-POLE				
Cage Frame	KIT-12X14X70-COM				
	P-C				

Superior Playgrounds -							
Exercise Stations							
Product Model #							
Balance Board	UP177						
Pull and Chin-Up Bar	60019403XX						
Sit-up Bench	AFT13972XX						
Balance Beam 60019408XX							

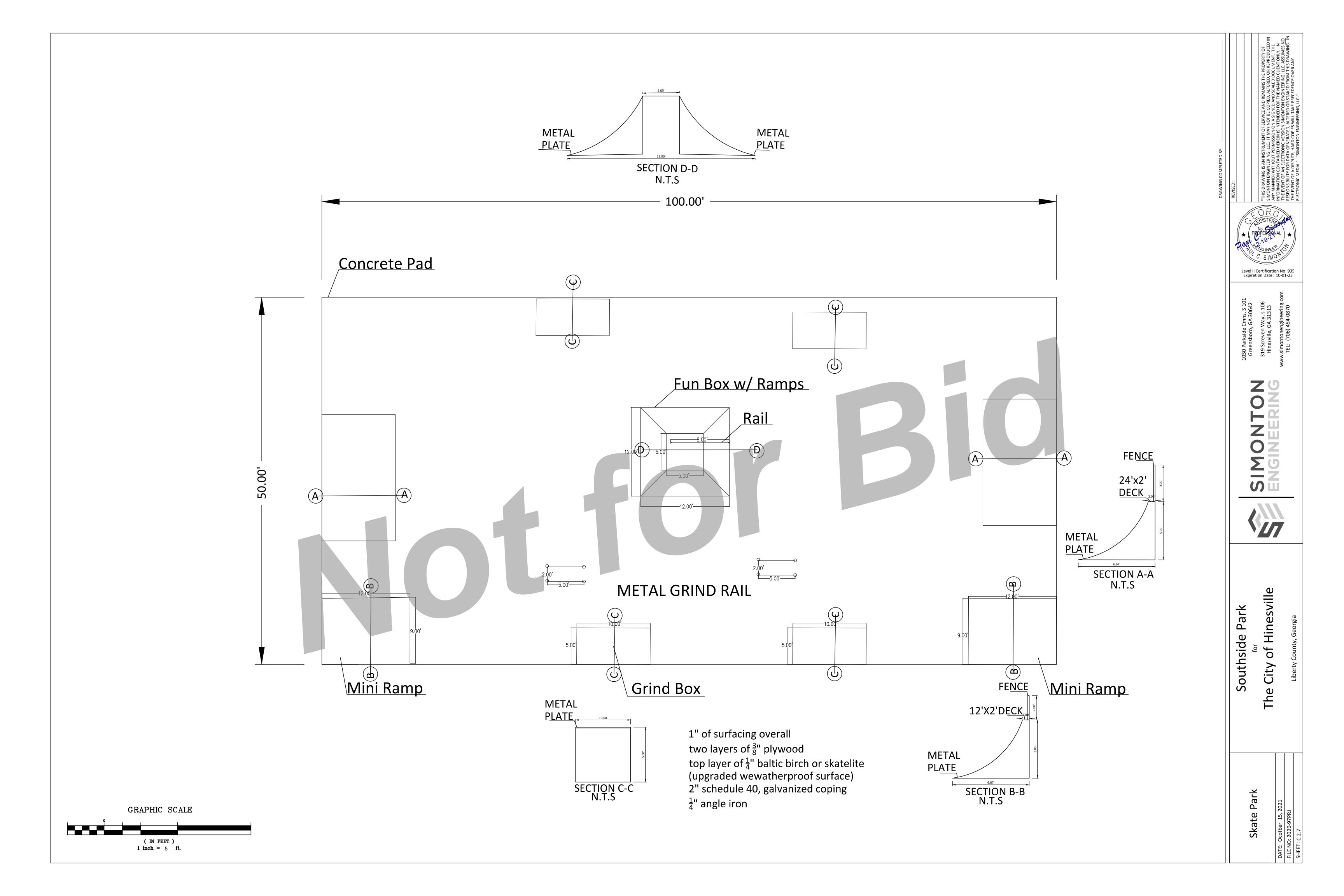
City of Hinesville Southside Park

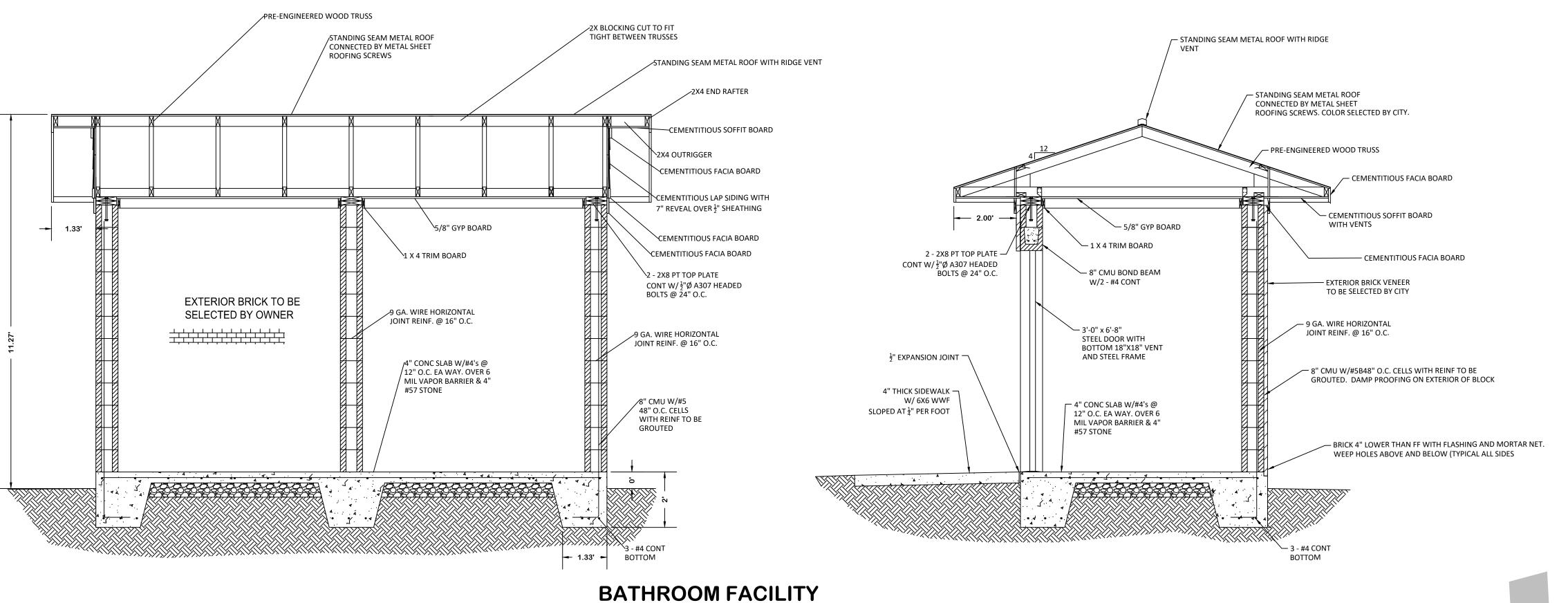




of Hinesville Southside Park City

Floor Plan





#### **STRUCTURE, CONCRETE SLAB & FOUNDATION NOTES:**

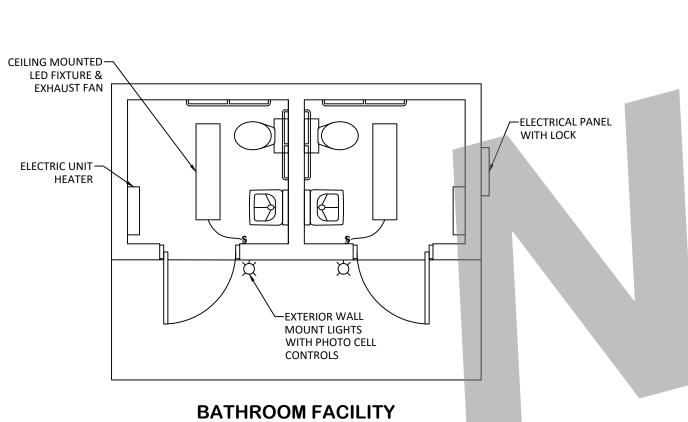
- 1. DESIGN SOIL BEARING PRESSURE = 2000 PSF. SOIL BEARING PRESSURE SHALL BE VERIFIED AT TIME OF EXCAVATION AND ENGINEER SHALL BE NOTIFIED IF ACTUAL SOIL BEARING PRESSURE IS LOWER THAN
- 2. STEP FOOTINGS DOWN BELOW MECHANICAL, ELECTRICAL, OR PLUMBING LINES AS REQUIRED TO AVOID INTERFERENCE. SEE TYP. FOOTING STEP DETAIL. COORDINATE W/ OTHER TRADES. PROVIDE PIPE SLEEVE
- TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH THE WALL. 3. WHERE UTILITY LINES PASS UNDER A FOOTING, PROVIDE RELIEVING ARCH FOR PROTECTION.
- 4. SIDEWALK SLABS SHALL BE 3000 PSI, 4" THICK CONC. REINF. W/ 6x6-W1.4xW1.4 WWF @ CENTER OF SLAB. FLOOR SLAB SHALL BE 3000 PSI, 8" THICK CONC. REINFORCED W/#4'S @ 12" O.C. EA WAY CTR. OF SLAB. SEE PLAN FOR FINISHED FLOOR ELEVATIONS. (REFER TO PLAN AND DETAILS FOR SIDEWALK LOCATIONS & DETAILS).
- 5. PROVIDE 4" THICK NO. 57 STONE GRANULAR BASE & VAPOR BARRIER UNDER INTERIOR FLOOR SLAB. 6. CONDUITS & PIPES EMBEDDED IN SLABS:
- 6.1. SHALL NOT BE LARGER IN OUTSIDE DIM THAN  $\frac{1}{3}$  THE OVERALL THICKNESS OF SLAB. 6.2. SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS OR WIDTHS ON CENTER. 6.3. MIN. SLAB THICKNESS OF 2  $\frac{1}{2}$  MUST BE MAINTAINED OVER EMBEDDED ITEMS.

#### **BATHROOM NOTES:**

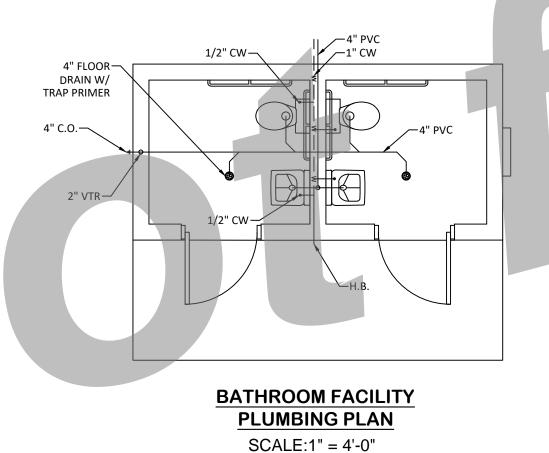
- 1. THE BATHROOM EXHAUST FAN SHALL BE GREENHECK MODEL # SP-B150-QD OR
- APPROVED EQUAL.

  2. THE UNIT HEATERS SHALL BE KING VANDAL RESISTANT HEATER MODEL # LPWV1215 OR APPROVED EQUAL.



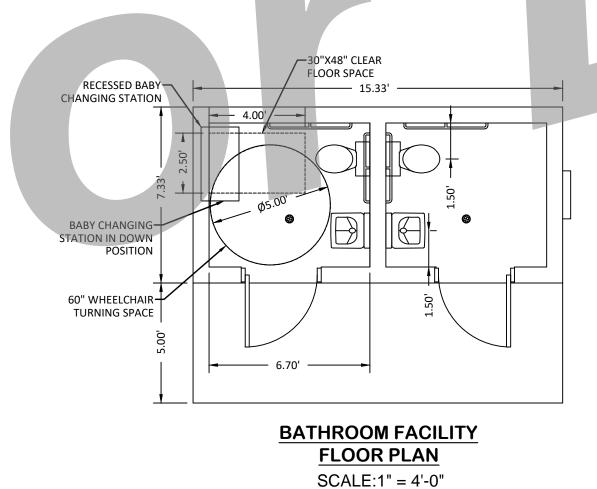


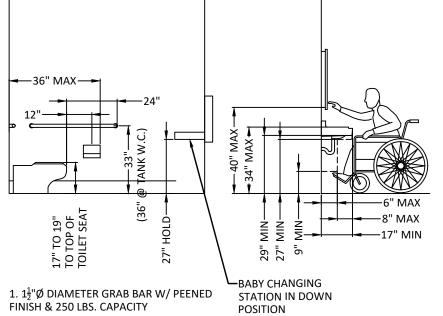
**ELECTRICAL PLAN** SCALE:1" = 4'-0" NOTE: REFER TO ELECTRICAL ENLARGEMENTS (SHEET E201) FOR DETAILED ELECTRICAL PLANS



**BUILDING SECTION** 

SCALE 1"= 2'-0"



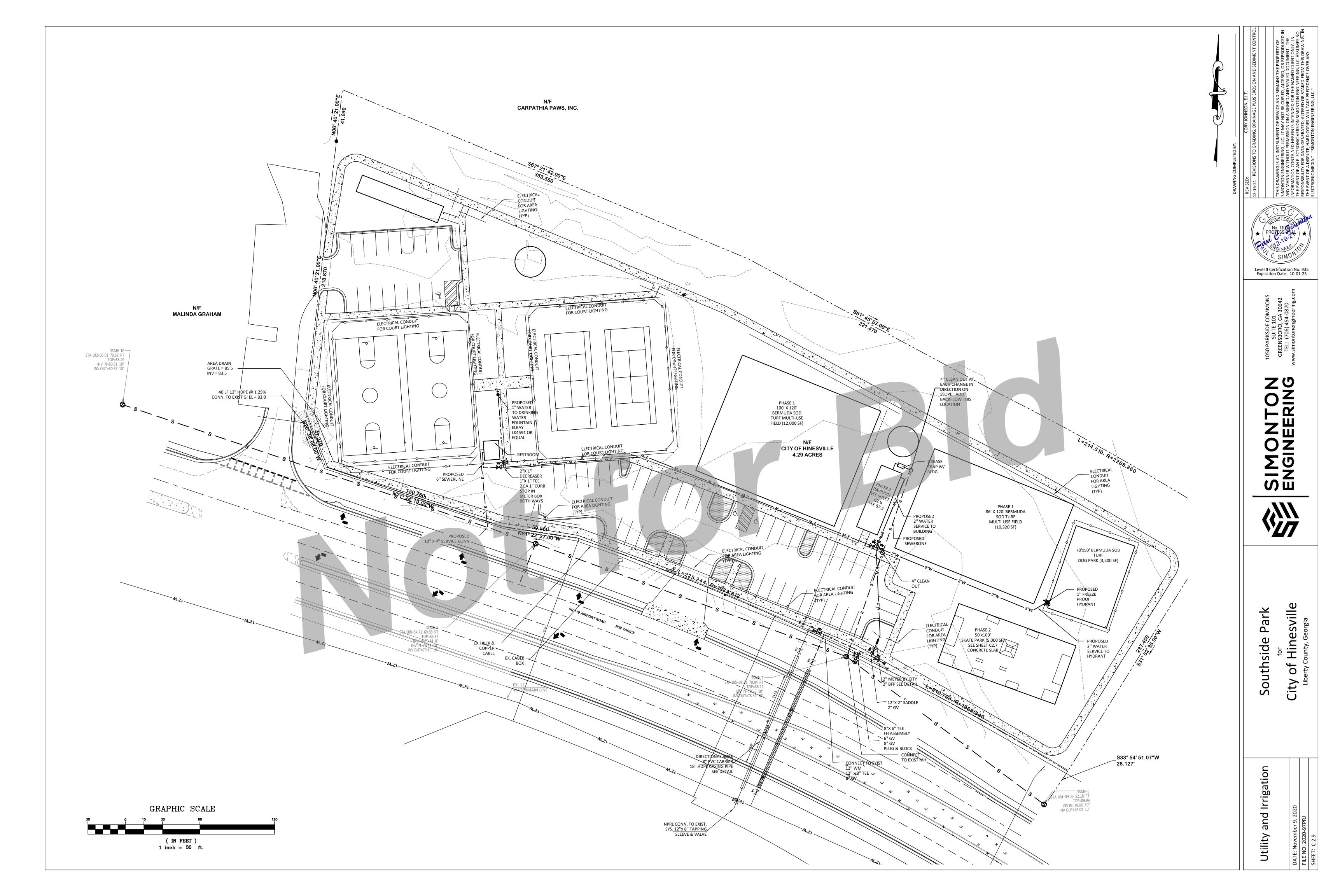


Southside The

Details

Hinesville of

Level II Certification No. 935 Expiration Date: 10-01-23



DRAWIN	IG LEGEND	
DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER		ss
UNDERGROUND WATER LINE		w
FORCE MAIN	FM	FM
STORM DRAINAGE PIPE		
JNDERGROUND TELEPHONE LINE	т ——	т
JNDERGROUND TELEPHONE CONDUIT	TC	——— тс ——
JNDERGROUND GAS LINE	12"G <del></del>	12"G
DITCH CENTERLINE -		
TOP OF CURB & GUTTER ELEVATIONS	TC=90.00 G=89.50	EX TC=90.00 EX G=89.50
SPOT ELEVATION	X=90.00	X=90.00
FIRE HYDRANT		×
SEWER MANHOLE	(\$)	\$
NATER VALVE	wv 	w 🔀
FELEPHONE MANHOLE		•
LIGHT POLE	<b>\$</b>	<b>\$</b>
BIGN	<del>- o -</del>	
VATER METER	$\bowtie$	$\bowtie$
BENCHMARK	<b>�</b>	<b>*</b>
CONCRETE MONUMENT FOUND	·	•
GUY POLE		-•
RON PIN FOUND		0
RON PIN SET	•	
TELEPHONE PEDESTAL		$\triangle$
POWER POLE	Q	ග
HANDICAP SPACE	<u>&amp;</u>	ě.
SEDIMENT BASIN MARKER W/NOTCH	SM	SM •



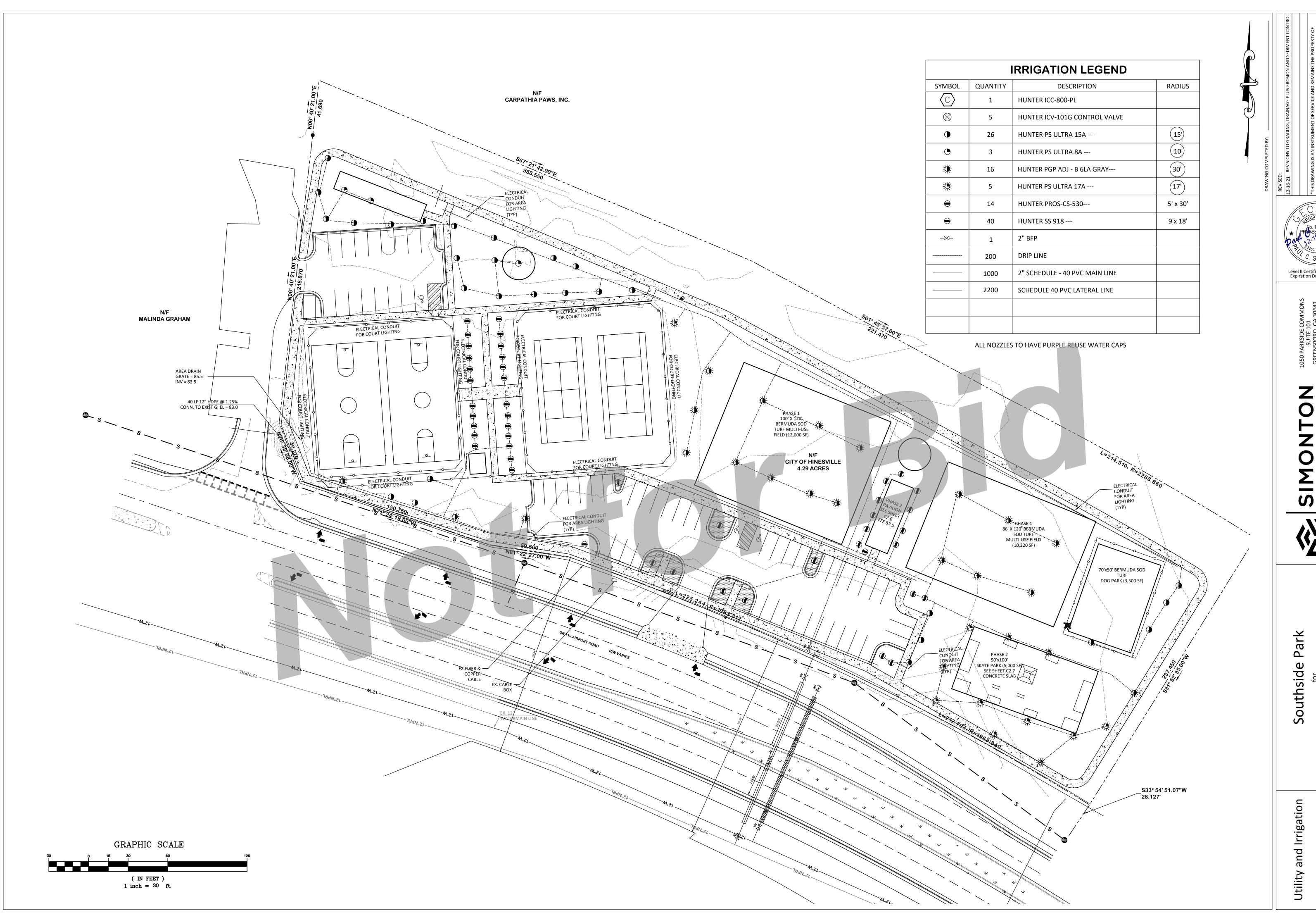
R/W 82.80' **REUSE WATER MAIN BORE** 

STA 186+17

of Hinesville Southside Park City

Level II Certification No. 935 Expiration Date: 10-01-23

Permit



City of Hinesville
Liberty County, Georgia

#### INSPECTIONS A. PERMITTEE REQUIREMENTS

- (1). EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE.CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARYPERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED. USED. OR HANDLED FOR SPILLS AND LEAKS FROMVEHICLES AND EQUIPMENT: (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OREXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING; AND (C) MEASURE RAINFALL ONCE EACH 24 HOUR PERIOD AT THE SITE. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS
- (2). MEASURE RAINFALL ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY, AND NON-WORKING FEDERAL HOLIDAY UNTIL A NOTICE OF TERMINATION IS SUBMITTED. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED (3). FOR INFRASTRUCTURE CONSTRUCTION PROJECTS, WHEN THE PERMITTEE DETERMINES THAT SOME A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.
- (3). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEASTONCE ACCORDANCE WITH PART V.G. OF THIS PERMIT THE FOLLOWING CERTIFICATION: EVERY FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NONWORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THEINSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BLISINESS DAY AND/OR WORKING DAY. WHICHEVER OCCURS FIRST): (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE THAT HAVE NOT UNDERGONE FINAL STABILIZATION: (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT UNDERGONE FINAL STABILIZATION: AND (C) STRUCTURAL CONTROL MEASURES, EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE. THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(3). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
- (4). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION IS RECEIVED BY EPD) THE AREAS OF THE SHALL SAMPLE THE LATTER RECEIVING WATER UNTIL SELECTION OF AN ALTERNATIVE REPRESENTATIVE SITE THAT HAVE UNDERGONE FINAL STABILIZATION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE RECEIVING WATER. POTENTIAL FOR POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). FROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED RECEIVING WATER IS DETERMINED NOT TO BE REPRESENTED AS CERTIFIED IN THE PLAN, THE PERMITTEE SHALL TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO SAMPLE THAT RECEIVING WATER UNTIL A NOTICE OF TERMINATION IS SUBMITTED OR UNTIL THE APPLICABLE RECEIVING WATER(S).
- (5). BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN D. SAMPLING FREQUENCY (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.
- (6). A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(4). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND THIS PERMIT. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G. OF THIS PERMIT

THE PLAN SHALL INCLUDE A DESCRIPTION OF PROCEDURES TO ENSURE THE TIMELY MAINTENANCE OF VEGETATION. EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THE SITE PLAN.

#### THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR

A. SAMPLING REQUIREMENTS SHALL INCLUDE THE FOLLOWING:

SAMPLING TURBIDITY

- (1) A USGS TOPOGRAPHIC MAP, A TOPOGRAPHIC MAP OR A DRAWING (REFERRED TO AS A TOPOGRAPHIC MAP) THAT IS A SCALE EQUAL TO OR MORE DETAILED THAN A 1:24000 MAP SHOWING THE LOCATION OF THE INFRASTRUCTURE CONSTRUCTION: (A) THE LOCATION OF ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES AS SHOWN ON A USGS TOPOGRAPHIC MAP, AND ALL OTHER PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES LOCATED DURING MANDATORY FIELD VERIFICATION, INTO WHICH THE STORM WATER IS DISCHARGED AND (B) THE RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS FOR EACH REPRESENTATIVE STORMWATER OUTFALL WHEN THE PERMITTEE HAS CHOSEN TO USE A USGS TOPOGRAPHIC MAP AND THE RECEIVING WATER(S) IS NOT SHOWN ON THE USGS TOPOGRAPHIC MAP. THE LOCATION OF THE RECEIVING WATER(S) MUST BE HAND-DRAWN ON THE USGS TOPOGRAPHIC MAP FROM WHERE THE STORM WATER(S) ENTERS THE RECEIVING WATER(S) TO THE POINT WHERE THE RECEIVING WATER(S) COMBINES WITH THE FIRST BLUE LINE STREAM SHOWN ON THE USGS TOPOGRAPHIC MAP:
- (2), A WRITTEN NARRATIVE OF SITE SPECIFIC ANALYTICAL METHODS USED TO COLLECT AND ANALYZE THE SAMPLES INCLUDING QUALITY CONTROL/QUALITY ASSURANCE PROCEDURES. THIS NARRATIVE MUST INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING LOCATION;
- (3). WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OUTFALLS WILL BE MONITORED, A RATIONALE MUST BE INCLUDED FOR THE NTU LIMIT(S) SELECTED FROM APPENDIX B. THIS RATIONALE MUST INCLUDE THE SIZE OF THE CONSTRUCTION SITE, THE CALCULATION OF THE SIZE OF THE SURFACE WATER DRAINAGE AREA, AND THE TYPE OF RECEIVING WATER(S) (I.E., TROUT STREAM OR SUPPORTING WARM WATER FISHERIES): AND (4), ANY ADDITIONAL INFORMATION EPD DETERMINES NECESSARY TO BE PART OF THE PLAN. EPD WILL PROVIDE WRITTEN NOTICE TO THE PERMITTEE OF THE INFORMATION NECESSARY AND THE TIME LINE FOR SUBMITTA

B. SAMPLE TYPE. ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST 36(UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED): THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

- (1). SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.
- (2). SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
- (3). LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
- (4). MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY. BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER. SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED, DILUTION OF SAMPLES IS NOT REQUIRED, SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURRIDIMETER, SAMPLES ARE
- (5). SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.

# C. SAMPLING POINTS.

- (1). FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES SHOWN ON THE USGS TOPOGRAPHIC MAP AND ALL OTHER FIELD VERIFIED PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER RODIES, OR ALL OLITEALLS INTO SUCH STREAMS AND OTHER WATER BODIES, OR A COMBINATION THEREOF, HOWEVER, PROVIDED FOR IN AND IN ACCORDANCE WITH PART
- (2). OF THIS PERMIT, PRIMARY PERMITTEES ON AN INFRASTRUCTURE CONSTRUCTION PROJECT MAY SAMPLE THE REPRESENTATIVE PERENNIAL AND INTERMITTENT STREAMS, OTHER WATER BODIES OR OUTFALLS, OR A COMBINATION THEREOF, 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 STORM WATER 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 STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER 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
- CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER 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.

(B). THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE

- (C). IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S).
- (D). CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER 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 SHEETFLOW 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 EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF RIP RAP. GABIONS. PERMANENT MULCHES OR GEOTEXTILES) HAVE BEEN USED. PERMANENT VEGETATION SHALL CONSIST OF: PLANTED TREES, SHRUBS, PERENNIAL VINES; A CROP OF PERENNIAL VEGETATION APPROPRIATE FOR THE TIME OF YEAR AND REGION; OR A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION. FOR INFRASTRUCTURE CONSTRUCTION PROJECTS ON LAND USED FOR AGRICULTURAL OR SILVICULTURAL PURPOSES, FINAL STABILIZATION MAY BE ACCOMPLISHED BY STABILIZING THE DISTURBED LAND FOR ITS AGRICULTURAL OR SILVICULTURAL USE. FINAL STABILIZATION APPLIES TO EACH PHASE OF CONSTRUCTION.
- (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 STORM WATER 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.

(2). FOR INFRASTRUCTURE CONSTRUCTION PROJECTS, THE PERMITTEE IS NOT REQUIRED TO SAMPLE A PERENNIAL OR INTERMITTENT STREAM OR OTHER WATER BODIES (OR THE ASSOCIATED OUTFALL, IF APPLICABLE) IF THE DESIGN PROFESSIONAL PREPARING THE PLAN CERTIFIES THAT AN INCREASE IN THE TURBIDITY OF A SPECIFIC IDENTIFIED RECEIVING WATER TO BE SAMPLED WILL BE REPRESENTATIVE OF THE INCREASE IN THE TURBIDITY OF A SPECIFIC IDENTIFIED UN-SAMPLED RECEIVING WATER, A WRITTEN RATIONALE AND DETAILED ANALYSIS SHALL BE PREPARED BY THE DESIGN PROFESSIONAL JUSTIFYING SUCH PROPOSED SAMPLING. THE RATIONALE AND ANALYSIS SHALL INCLUDE THE LOCATION AND DESCRIPTION OF THE SPECIFIED SAMPLED AND UN-SAMPLED RECEIVING WATER AND SHALL CONTAIN A DETAILED COMPARISON AND DISCUSSION OF EACH SUCH RECEIVING WATER IN THE FOLLOWING AREAS:

- (A). SITE LAND DISTURBANCES AND CHARACTERISTICS;
- (B). RECEIVING WATER WATERSHED SIZES AND CHARACTERISTICS; AND
- (C). SITE AND WATERSHED RUNOFF CHARACTERISTICS UTILIZING THE METHODS IN APPENDIX A-1 (UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE'S TR-55, URBAN HYDROLOGY FOR SMALL WATERSHEDS) OF THE MOST RECENT VERSION OF THE "MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA" FOR THE VARIOUS PRECIPITATION EVENTS AND ANY OTHER SUCH CONSIDERATIONS NECESSARY TO SHOW THAT THE INCREASE IN THE TURBIDITY OF A SPECIFIC IDENTIFIED SAMPLED RECEIVING WATER WILL BE REPRESENTATIVE OF THE INCREASES IN THE TURBIDITY OF A SPECIFIC IDENTIFIED UN-SAMPLED RECEIVING WATERS.
- RÉCEIVING WATER(S) WILL NOT BE SAMPLED DUE TO REPRESENTATIVE SAMPLING. THE DESIGN PROFESSIONAL MAKING THIS DETERMINATION AND PREPARING THE PLAN MUST INCLUDE IN THE PLAN AND SIGN IN
- "I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR THE MONITORING OF: (A) ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES SHOWN ON THE USGS. TOPOGRAPHIC MAP AND ALL OTHER FIELD VERIFIED PERENNIAL AND INTERMITTENT STEAMS AND OTHER WATER BODIES, OR (B) WHERE ANY SUCH SPECIFIC IDENTIFIED PERENNIAL OR INTERMITTENT STREAM AND OTHER WATER BODY IS NOT PROPOSED TO BE SAMPLED. I HAVE DETERMINED IN MY PROFESSIONAL JUDGMENT. UTILIZING THE FACTORS REQUIRED IN THE GENERAL NPDES PERMIT NO. GAR 100002. THAT THE INCREASE IN THE TURRIDITY OF EACH SPECIFIC IDENTIFIED SAMPLED RECEIVING WATER WILL BE REPRESENTATIVE OF THE INCREASE IN THE TURBIDITY OF A SPECIFIC IDENTIFIED UN-SAMPLED RECEIVING WATER."
- (4). FOR INFRASTRUCTURE CONSTRUCTION PROJECTS. IF AT ANY TIME DURING THE LIFE OF THE PROJECT A SELECTED RECEIVING WATER NO LONGER REPRESENTS ANOTHER RECEIVING WATER. THEN THE PERMITTEE
- (5). FOR INFRASTRUCTURE CONSTRUCTION PROJECTS, IF AT ANY TIME DURING THE LIFE OF THE PROJECT A PHASE IS STABILIZED IN ACCORDANCE WITH THIS PERMIT
- (6). FOR INFRASTRUCTURE CONSTRUCTION PROJECTS, MONITORING OBLIGATIONS SHALL CEASE FOR ANY PHASE OF THE PROJECT THAT HAS BEEN STABILIZED IN ACCORDANCE WITH PART IV.D.6.C.(1).(G).
  - (1). THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, SAMPLES MUST BE TAKEN WITHIN FORTY-FIVE (45) MINUTES OF:
  - (A) THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT, IF THE STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL HAS BEGUN AT OR PRIOR TO THE ACCUMULATION, OR
  - (B) THE BEGINNING OF ANY STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL, IF THE DISCHARGE BEGINS AFTER THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT.
  - (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 STORM
  - (3). SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING EVENTS:
  - (A). FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM. THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS\* (MONDAY THRU FRIDAY, 8:00 AM TO 5:00 PM AND SATURDAY 8:00 AM TO 5:00 PM, EXCLUDING ALL NON-WORKING FEDERAL HOLIDAYS. WHEN CONSTRUCTION ACTIVITY IS BEING CONDUCTED BY THE PRIMARY PERMITTEE) THAT OCCURS AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING
  - (B). IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS\* THAT OCCURS EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING LOCATION, WHICHEVER COMES FIRST;
  - (C). AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS ARE FOUND TO BE PROPERLY DESIGNED, INSTALLED AND MAINTAINED, NO FURTHER ACTION IS REQUIRED. IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM 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 DRAINAGE), THE PERMITTEE, IN ACCORDANCE WITH 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 SAMPI ING 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 MONITORING AT ANY TIME OF THE DAY OR WEEK.
- 7. NON-STORM WATER DISCHARGES, EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORM WATER LISTED IN PART III.A.2. OF THIS PERMIT THAT ARE COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY MUST BE IDENTIFIED IN THE PLAN. THE PLAN SHALL IDENTIFY AND ENSURE THE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION MEASURES FOR THE NON-STORM WATER COMPONENT(S) OF THE DISCHARGE.
- REPORTIN 1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT A SUMMARY OF THE MONITORING 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 STORM WATER 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 V.G. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS
- 2. 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
- SUBMITTED IN ACCORDANCE WITH PART VI 3. ALL MONITORING RESULTS SHALL INCLUDE THE FOLLOWING INFORMATION:
- A. THE DATE, EXACT PLACE, AND TIME OF SAMPLING OR MEASUREMENTS;
- B. THE NAME(S) OF THE INDIVIDUAL(S) WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
- C. THE DATE(S) ANALYSES WERE PERFORMED;
- D. THE TIME(S) ANALYSES WERE INITIATED;

OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS

SUBMITTED IN ACCORDANCE WITH PART VI

- E. THE NAME(S) OF THE INDIVIDUAL(S) 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; AND
- H. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU."
- I. CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN

#### F. RETENTION OF RECORDS

- 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
- 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
- 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 MONITORING 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
- 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.(1)(C) OF THIS

COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHAR RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION, 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 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 PERMITEE.

#### PART V. STANDARD PERMIT CONDITIONS A. DUTY TO COMPLY

- 1. EACH PERMITTEE MUST COMPLY WITH ALL APPLICABLE CONDITIONS OF THIS PERMIT. ANY PERMI NONCOMPLIANCE CONSTITUTES A VIOLATION OF THE GEORGIA WATER QUALITY CONTROL ACT (O.C.G.A. §§12-5-20, ET SEQ.) AND IS GROUNDS FOR ENFORCEMENT ACTION; FOR PERMIT FRMINATION: OR FOR DENIAL OF A PERMIT RENEWAL APPLICATION FAILURE OF A PRIMARY PERMITTEE TO COMPLY WITH ANY APPLICABLE TERM OR CONDITION OF THIS PERMIT SHALL NOT RELIEVE ANY OTHER PRIMARY PERMITTEE FROM COMPLIANCE WITH THEIR APPLICABLE TERMS AND CONDITIONS OF THIS PERMIT. 2. EACH PERMITTEE MUST DOCUMENT IN THEIR RECORDS ANY AND ALL KNOWN VIOLATIONS OF THIS PERMIT AT HIS/HER SITE WITHIN SEVEN (7) DAYS OF HIS/HER KNOWLEDGE OF THE VIOLATION. A SUMMARY OF THESE VIOLATIONS MUST BE SUBMITTED TO EPD BY THE PERMITTEE AT THE ADDRESSES SHOWN IN PART II.C. WITHIN FOURTEEN (14) DAYS OF HIS/HER DISCOVERY OF THE
- 3. PENALTIES FOR VIOLATIONS OF PERMIT CONDITIONS. THE FEDERAL CLEAN WATER ACT AND THE GEORGIA WATER QUALITY CONTROL ACT (O.C.G.A, §\$12-5-20, ET SEQ.) PROVIDE THAT ANY PERSON WHO FALSIFIES, TAMPERS WITH, OR KNOWINGLY RENDERS INACCURATE ANY MONITORING DEVICE OR METHOD REQUIRED TO BE MAINTAINED UNDER THIS PERMIT, MAKES ANY FALSE STATEMENT, REPRESENTATION. OR CERTIFICATION IN ANY RECORD OR OTHER DOCUMENT SUBMITTED OR REQUIRED TO BE MAINTAINED UNDER THIS PERMIT, INCLUDING MONITORING REPORTS OR REPORTS OF COMPLIANCE OR NONCOMPLIANCE SHALL, UPON CONVICTION BE PUNISHED BY A FINE OR BY IMPRISONMENT, OR BY BOTH, THE FEDERAL CLEAN WATER ACT AND 8. THE FOLLOWING CERTIFICATION SIGNED IN ACCORDANCE WITH PART V.G.1. (SIGNATORY THE GEORGIA WATER QUALITY CONTROL ACT ALSO PROVIDE PROCEDURES FOR IMPOSING CIVIL PENALTIES WHICH MAY BE LEVIED FOR VIOLATIONS OF THE ACTS. ANY PERMIT CONDITION OR LIMITATION ESTABLISHED PURSUANT TO THE ACTS, OR NEGLIGENTLY OR INTENTIONALLY FAILING OR REFUSING TO COMPLY WITH ANY FINAL OR EMERGENCY ORDER OF THE DIRECTOR.
- B. CONTINUATION OF THE EXPIRED GENERAL PERMIT. THIS PERMIT EXPIRES ON THE DATE SHOWN ON THE COVER PAGE OF THIS PERMIT. HOWEVER, AN EXPIRED GENERAL PERMIT CONTINUES IN FORCE AND EFFECT UNTIL A NEW GENERAL PERMIT IS ISSUED, FINAL AND EFFECTIVE. CONSTRUCTION SITES THAT HAVE NOT OBTAINED COVERAGE UNDER THE PERMIT BY THE PERMIT EXPIRATION DATE CANNOT BECOME
- AUTHORIZED TO DISCHARGE UNDER THE CONTINUED PERMIT C. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE. IT SHALL NOT BE A DEFENSE FOR THE PERMITTEE IN AN ENFORCEMENT ACTION THAT IT WOULD HAVE BEEN NECESSARY TO HALT OR REDUCE THE
- PERMITTED ACTIVITY IN ORDER TO MAINTAIN COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT. D. DUTY TO MITIGATE. THE PERMITTEE SHALL TAKE ALL REASONABLE STEPS TO MINIMIZE OR PREVENT ANY DISCHARGE IN VIOLATION OF THIS PERMIT WHICH HAS A REASONABLE LIKELIHOOD OF ADVERSELY AFFECTING HUMAN HEALTH OR THE ENVIRONMENT.
- F DUTY TO PROVIDE INFORMATION. THE PERMITTEE SHALL FURNISH TO THE DIRECTOR; A STATE AGENCY APPROVING SOIL EROSION AND SEDIMENTATION CONTROL PLANS, GRADING PLANS, OR STORM WATER MANAGEMENT PLANS; OR IN THE CASE OF A STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY WHICH DISCHARGES THROUGH A MUNICIPAL SEPARATE STORM SEWER SYSTEM WITH AN NPDES PERMIT, TO THE LOCAL GOVERNMENT OPERATING THE MUNICIPAL SEPARATE STORM SEWER SYSTEM, ANY INFORMATION WHICH IS REQUESTED TO DETERMINE COMPLIANCE WITH THIS PERMIT. IN THE CASE OF INFORMATION SUBMITTED TO THE EPD SUCH INFORMATION SHALL BE CONSIDERED PUBLIC INFORMATION AND AVAILABLE UNDER THE GEORGIA OPEN RECORDS ACT.
- F. OTHER INFORMATION. WHEN THE PERMITTEE BECOMES AWARE THAT HE/SHE FAILED TO SUBMIT ANY RELEVANT FACTS OR SUBMITTED INCORRECT INFORMATION IN THE NOTICE OF INTENT OR IN ANY OTHER REPORT REQUIRED TO BE SUBMITTED TO THE EPD, THE PERMITTEE SHALL PROMPTLY SUBMIT SUCH FACTS

3. SIGNATORY REQUIREMENTS. ALL NOTICES OF INTENT, NOTICE OF TERMINATIONS, EROSION, SEDIMENTATION AND POLITITION CONTROL PLANS REPORTS CERTIFICATIONS OR OTHER INFORMATION EITHER SUBMITTED TO THE EPD OR THE OPERATOR OF A LARGE OR MEDIUM MUNICIPAL SEPARATE STORM SEWER SYSTEM, OR THAT THIS PERMIT REQUIRES BE MAINTAINED BY THE PERMITTEE, SHALL BE SIGNED AS

#### 1. ALL NOTICES OF INTENT SHALL BE SIGNED AS FOLLOWS:

- A. FOR A CORPORATION: BY A RESPONSIBLE CORPORATE OFFICER. FOR THE PURPOSE OF THIS PERMIT, A RESPONSIBLE CORPORATE OFFICER MEANS; (1) A PRESIDENT, SECRETARY, TREASURER, OR VICE-PRESIDENT OF THE CORPORATION IN CHARGE OF A PRINCIPAL BUSINESS FUNCTION, OR ANY OTHER PERSON WHO PERFORMS SIMILAR POLICY- OR DECISION MAKING FUNCTIONS FOR THE CORPORATION: OR (2) THE MANAGER OF ONE OR MORE MANUFACTURING PRODUCTION OR OPERATING FACILITIES PROVIDED THE MANAGER IS AUTHORIZED TO MAKE MANAGEMENT DECISIONS WHICH GOVERN THE OPERATION OF THE REGULATED FACILITY INCLUDING HAVING THE EXPLICIT OR IMPLICIT DUTY OF MAKING MAJOR CAPITAL INVESTMENT RECOMMENDATIONS, AND INITIATING AND DIRECTING OTHER COMPREHENSIVE MEASURES TO ASSURE LONG TERM ENVIRONMENTAL COMPLIANCE WITH ENVIRONMENTAL LAWS AND REGULATIONS; THE MANAGER CAN ENSURE THE NECESSARY SYSTEMS ARE ESTABLISHED OR ACTIONS TAKEN TO GATHER COMPLETE AND ACCURATE INFORMATION FOR PERMIT APPLICATION REQUIREMENTS: AND WHERE AUTHORITY TO SIGN DOCUMENTS HAS BEEN ASSIGNED OR DELEGATED TO THE MANAGER IN ACCORDANCE WITH CORPORATE PROCEDURES;
- B FOR A PARTNERSHIP OR SOLE PROPRIETORSHIP: BY A GENERAL PARTNER OR THE PROPRIETOR, RESPECTIVELY; OR
- C. FOR A MUNICIPALITY, STATE, FEDERAL, OR OTHER PUBLIC FACILITY: BY EITHER A PRINCIPAL EXECUTIVE OFFICER OR RANKING ELECTED OFFICIAL.
- OTHER INFORMATION REQUESTED BY THE EPD SHALL BE SIGNED BY A PERSON DESCRIBED ABOVE OR BY A DULY AUTHORIZED REPRESENTATIVE OF THAT PERSON. A PERSON IS A DULY AUTHORIZED A. THE AUTHORIZATION IS MADE IN WRITING BY A PERSON DESCRIBED ABOVE AND SUBMITTED TO

2. ALL REPORTS, CERTIFICATION STATEMENTS, OR OTHER REPORTS REQUIRED BY THE PERMIT AN

- FOR THE OVERALL OPERATION OF THE REGULATED FACILITY OR ACTIVITY, SUCH AS THE POSITION OF MANAGER, OPERATOR, SUPERINTENDENT, OR POSITION OF EQUIVALENT RESPONSIBILITY OR AN INDIVIDUAL OR POSITION HAVING OVERALL RESPONSIBILITY FOR ENVIRONMENTAL MATTERS FOR THE COMPANY. (A DULY AUTHORIZED REPRESENTATIVE MAY BE EITHER A NAMED INDIVIDUAL OR ANY INDIVIDUAL OCCUPYING A NAMED POSITION):
- C. CHANGES TO AUTHORIZATION, IF AN AUTHORIZATION UNDER PART II B. IS NO LONGER ACCURATE BECAUSE A DIFFERENT OPERATOR HAS RESPONSIBILITY FOR THE OVERALL OPERATION OF THE CONSTRUCTION SITE. A NEW NOTICE OF INTENT SATISFYING THE REQUIREMENTS OF PART II.B. MUST BE SUBMITTED TO THE EPD PRIOR TO OR TOGETHER WITH ANY REPORTS, INFORMATION, OR APPLICATIONS TO BE SIGNED BY AN AUTHORIZED REPRESENTATIVE: AND
- D. CERTIFICATION. DOCUMENTS SHALL BE SIGNED BY THE PARTY THAT CONTRACTS FOR THE DOCUMENT AND THAT PARTY SHALL MAKE THE FOLLOWING CERTIFICATION: CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED LINDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT CERTIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION NCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."
- H. OIL AND HAZARDOUS SUBSTANCE LIABILITY. NOTHING IN THIS PERMIT SHALL BE CONSTRUED TO PRECLUDE THE INSTITUTION OF ANY LEGAL ACTION OR RELIEVE THE PERMITTEE FROM ANY RESPONSIBILITIES, LIABILITIES, OR PENALTIES TO WHICH THE PERMITTEE IS OR MAY BE SUBJECT UNDER THE GEORGIA HAZARDOUS WASTE MANAGEMENT ACT, O.C.G.A. § 12-8-60, ET SEQ. OR UNDER CHAPTER 14 OF TITLE 12 OF THE OFFICIAL CODE OF GEORGIA ANNOTATED; NOR IS THE OPERATOR RELIEVED FROM ANY RESPONSIBILITIES, LIABILITIES OR PENALTIES TO WHICH THE PERMITTEE IS OR MAY BE SUBJECT UNDER SECTION 311 OF THE CLEAN WATER ACT OR SECTION 106 OF COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT.
- I. PROPERTY RIGHTS. THE ISSUANCE OF THIS PERMIT DOES NOT CONVEY ANY PROPERTY RIGHTS OF ANY SORT, NOR ANY EXCLUSIVE PRIVILEGES, NOR DOES IT AUTHORIZE ANY INJURY TO PRIVATE PROPERTY NOR ANY INVASION OF PERSONAL RIGHTS, NOR ANY INFRINGEMENT OF FEDERAL, STATE OR LOCAL LAWS OR REGULATIONS.
- J. SEVERABILITY. THE PROVISIONS OF THIS PERMIT ARE SEVERABLE, AND IF ANY PROVISION OF THIS PERMIT, OR THE APPLICATION OF ANY PROVISION OF THIS PERMIT TO ANY CIRCUMSTANCE, IS HELD INVALID, THE APPLICATION OF SUCH PROVISION TO OTHER CIRCUMSTANCES, AND THE REMAINDER OF
- K. OTHER APPLICABLE ENVIRONMENTAL REGULATIONS AND LAWS. NOTHING IN THIS PERMIT SHALL BE CONSTRUED TO PRECLUDE THE INSTITUTION OF ANY LEGAL ACTION OR RELIEVE THE PERMITTEE FROM ANY RESPONSIBILITIES, LIABILITIES, OR PENALTIES ESTABLISHED PURSUANT TO ANY APPLICABLE STATE LAW OR REGULATION UNDER AUTHORITY PRESERVED BY SECTION 510 OF THE CLEAN WATER ACT. NOTHING IN THIS PERMIT, UNLESS EXPLICITLY STATED, EXEMPTS THE PERMITTEE FROM COMPLIANCE WITH OTHER APPLICABLE LOCAL, STATE AND FEDERAL ORDINANCES, RULES, REGULATIONS, AND LAWS FURTHERMORE, IT IS NOT A DEFENSE TO COMPLIANCE WITH THIS PERMIT THAT A LOCAL GOVERNMENT AUTHORITY HAS APPROVED THE PERMITTEE'S EROSION. SEDIMENTATION AND POLLUTION CONTROL PLAN OR FAILED TO TAKE ENFORCEMENT ACTION AGAINST THE PERMITTEE FOR VIOLATIONS OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, OR OTHER PROVISIONS OF THIS PERMIT. NO CONDITION OF THIS PERMIT SHALL RELEASE THE PERMITTEE FROM ANY RESPONSIBILITY OR REQUIREMENTS UNDER OTHER ENVIRONMENTAL STATUTES OR REGULATIONS.
- AND MAINTAIN ALL FACILITIES AND SYSTEMS OF TREATMENT AND CONTROL (AND RELATED APPURTENANCES) WHICH ARE INSTALLED OR USED BY THE PERMITTEE TO ACHIEVE COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT AND WITH THE REQUIRED PLANS. PROPER OPERATION AND MAINTENANCE ALSO INCLUDES ADEQUATE LABORATORY CONTROLS AND APPROPRIATE QUALITY ASSURANCE PROCEDURES, PROPER OPERATION AND MAINTENANCE REQUIRES THE OPERATION OF BACKUP OR AUXILIARY FACILITIES OR SIMILAR SYSTEMS, INSTALLED BY AN PERMITTEE ONLY WHEN NECESSARY TO ACHIEVE COMPLIANCE WITH THE CONDITIONS OF THE PERMIT

L. PROPER OPERATION AND MAINTENANCE. THE PERMITTEE SHALL AT ALL TIMES PROPERLY OPERATION.

- M. INSPECTION AND ENTRY. THE PERMITTEE SHALL ALLOW THE DIRECTOR OR AN AUTHORIZED REPRESENTATIVE OF EPA OR EPD OR, IN THE CASE OF A CONSTRUCTION SITE WHICH DISCHARGE THROUGH A MUNICIPAL SEPARATE STORM SEWER SYSTEM WITH AN NPDES PERMIT. AN AUTHORIZED REPRESENTATIVE OF THE MUNICIPAL OPERATOR OF THE SEPARATE STORM SEWER SYSTEM RECEIVING THE DISCHARGE, UPON THE PRESENTATION OF CREDENTIALS AND OTHER DOCUMENTS AS MAY BE REQUIRED BY LAW. TO:
- OR CONDUCTED OR WHERE RECORDS MUST BE KEPT UNDER THE CONDITIONS OF THIS PERMIT; 2. HAVE ACCESS TO AND COPY AT REASONABLE TIMES, ANY RECORDS THAT MUST BE KEPT UNDER THE CONDITIONS OF THIS PERMIT; AND 3. INSPECT AT REASONABLE TIMES ANY FACILITIES OR EQUIPMENT (INCLUDING MONITORING AND

1. ENTER UPON THE PERMITTEE'S PREMISES WHERE A REGULATED FACILITY OR ACTIVITY IS LOCATED

N. PERMIT ACTIONS. THIS PERMIT MAY BE REVOKED AND REISSUED, OR TERMINATED FOR CAUSE INCLUDING BUT NOT LIMITED TO CHANGES IN THE LAW OR REGULATIONS. THE FILING OF A REQUEST BY THE PERMITTEE FOR TERMINATION OF THE PERMIT, OR A NOTIFICATION OF PLANNED CHANGES OR ANTICIPATED NONCOMPLIANCE, DOES NOT STAY ANY PERMIT CONDITION.

#### B. NOTICE OF TERMINATION CONTENTS:

- 1. THE NPDES PERMIT NUMBER FOR THE STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY IDENTIFIED BY THE NOTICE OF TERMINATION (I.E., GAR100001 - STAND
- THE PROJECT CONSTRUCTION SITE NAME, GPS LOCATION (DECIMAL DEGREES) OF CONSTRUCTION EXIT T, CONSTRUCTION SITE LOCATION, CITY (IF APPLICABLE) AND COUNTY OF THE CONSTRUCTION SITE FOR WHICH THE NOTIFICATION IS SUBMITTED. THIS INFORMATION MUST CORRESPOND TO THE SIMILAR INFORMATION AS PROVIDED ON THE NOI. WHERE AN ADDRESS FOR THE CONSTRUCTION SITE IS NOT AVAILABLE, THE CONSTRUCTION SITE LOCATION INFORMATION MUST BE SUFFICIENT TO ACCURATELY LOCATE THE CONSTRUCTION SITE;
- THE OWNER'S LEGAL NAME, ADDRESS, TELEPHONE NUMBER AND EMAIL ADDRESS AND THE OPERATOR'S LEGAL NAME, ADDRESS, TELEPHONE AND EMAIL ADDRESS;
- THE NAME OF THE INITIAL RECEIVING WATER(S), AND WHEN THE DISCHARGE IS THROUGH A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4), THE NAME OF THE LOCAL GOVERNMENT OPERATING THE MUNICIPAL SEPARATE STORM SEWER SYSTEM AND THE NAME OF THE RECEIVING WATER(S) WHICH RECEIVES THE DISCHARGE FROM THE MS4:
- 5. COPIES OF ALL SAMPLING REPORTS AND/OR A WRITTEN JUSTIFICATION WHY SAMPLING WAS NOT CONDUCTED. COPIES OF ALL SAMPLING REPORTS MAY BE SUBMITTED AS A PORTABLE DOCUMENT FORMAT (PDF) FILE ON CD-ROM OR OTHER STORAGE DEVICE;
- 6. COPY OF THE PERMITTEE'S MOST CURRENT NOTICE OF INTENT; ANY OTHER INFORMATION SPECIFIED ON THE NOT IN EFFECT AT THE TIME OF SUBMITTAL; AND
- "I CERTIFY UNDER PENALTY OF LAW THAT EITHER: (A) ALL STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY AUTHORIZED BY THIS PERMIT HAVE CEASED, THE SITE IS IN COMPLIANCE WITH THIS PERMIT AND ALL TEMPORARY BMPS HAVE BEEN REMOVED OR (B) I AM NO LONGER AN OWNER OR OPERATOR AT THE CONSTRUCTION SITE AND A NEW OWNER OR OPERATOR HAS ASSUMED OPERATIONAL CONTROL OF THE PERMITTED CONSTRUCTION SITE WHERE I PREVIOUSLY HAD OWNERSHIP OR OPERATIONAL CONTROL: AND THAT DISCHARGING POLLUTANTS IN STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY TO WATERS OF GEORGIA IS UNLAWFUL UNDER THE GEORGIA WATER QUALITY CONTROL ACT AND THE CLEAN

WATER ACT WHERE THE DISCHARGE IS NOT AUTHORIZED BY A NPDES PERMIT.

NOTICE OF TERMINATION SUBMITTAL. ALL NOTICES OF TERMINATION BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE EPD DISTRICT OFFICE ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT AND TO THE LOCAL ISSUING AUTHORITY IN JURISDICTIONS AUTHORIZED TO ISSUE A LAND DISTURBANCE ACTIVITY PERMIT FOR THE PERMITTEE'S CONSTRUCTION SITE PURSUANT TO O.C.G.A. 12-7-1, ET SEQ. IF AN ELECTRONIC SUBMITTAL SERVICE IS PROVIDED BY THE EPD THEN THE NOTICE OF TERMINATION MAY BE SUBMITTED ELECTRONICALLY; IF REQUIRED, A PAPER COPY MUST ALSO BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL OR SIMILAR SERVICE.

#### PRODUCT SPECIFIC PRACTICES

PETROLEUM BASED PRODUCTS - 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 SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE.

FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

NO WASTE WILL BE DISPOSED OF INTO STORM WATER INLETS OR WATERS OF THE STATE. WASTE MATERIALS ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED. IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED ONSITE. ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOBSITE AND THE CONTRACTOR WILL BE

RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTES 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. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS'S) 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 POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WIL 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 WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ESPCP AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH SATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

SANITARY WASTES A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSE PORTABLE FACILITY PROVIDER IN COMPETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS. ALL SANITARY WASTE UNITS WILL BE LOCATED IN ONE AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE, SHEET C-4B. BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED. SANITARY SEWER WILL BE PROVIDED BY MUNICIPAL AUTHORITY/SEPTIC SYSTEM AT THE COMPLETION OF THIS

SPILL CLEANUP AND CONTROL PRACTICES \* LOCAL, STATE AND MANUFACTURER'S RECOMMEND METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL MATERIAL AND FOUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED

\*GREATER THAN 560 GALLONS BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS

\*SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS. \*ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.

NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT

1-800-426-2675. \*FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675. \*FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS. \*FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

\*FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPA. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL

PRIMARY PERMITTEE CITY OF HINESVILLE **CONTACT: KENNETH HOWARD** CITY MANAGER

HINESVILLE, GA 31313

TEL: (912) 876-3564

LAND-DISTLIBBING ACTIVITIES '

EMAIL: KHOWARD@CITYOFHINESVILLE.ORG

24 HOUR CONTACT CITY OF HINESVILLE CONTACT: KENNETH HOWARD CITY MANAGER HINESVILLE, GA 31313 TEL: (912) 876-3564

**DESIGN PROFESSIONAL** PAUL C. SIMONTON GSWCC LEVEL II CERTIFICATION #: 0000000935 EXPIRES: 10-01-23

#### **EROSION CONTROL NOTES/STATEMENTS**

"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. "THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO

"MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE. IF AN AREA REMAINS UNDISTURBED FOR GREATER THAN SIX MONTHS, PERMANENT VEGETATIVE TECHNIQUES SHALL BE EMPLOYED." NO NON-EXEMPT ACTIVITIES SHALL TAKE PLACE IN STATE BUFFERS

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN SHALL INSPECT THE INSTALLATIONS OF BMP'S WITHIN 7 DAYS AFTER INSTALLATION OF INITIAL BMPS. AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN

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-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

THE CONSTRUCTION ACTIVITY IS INSTALLING ONSITE MODIFICATIONS TO AN EXISTING TENNIS COURT. CONSTRUCTION INCLUDES ADDING A NEW STRUCTURES, NSTALLATION OF NEW UNDERGROUND PIPING ONSITE PREDEVELOPED CN=86 AND POST DEVELOPED CN=98.

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

#### ES&PC PLAN IS IN COMPLIANCE WITH WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS

- BMPS ARE REQUIRED FOR THE REMEDIATION OF ALL PETROLEUM SPILLS AND LEAKS. SILT FENCING AND A SEDIMENT BASIN IS BEING USED TO DETER POLLUTANTS DURING CONSTRUCTION. AFTER CONSTRUCTION STORMWATER WILL BE CONVEYED TO AN EXISTING RETENTION POND WHERE SEDIMENT AND POLLUTANTS WILL SETTLE OUT.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- ALL WETLANDS ON SITE AND STATE WATERS WITHIN 200' OF THIS SITE HAVE BEEN DELINEATED. THE PROJECT'S STORM WATERS ARE INITIALLY RECEIVED BY MILL CREEK. FROM THERE THE WATERS DRAIN TO TAYLORS CREEK, WHICH IS NOT SUPPORTING ITS USE
- SECONDARY PERMITTEES ARE UNKNOWN AT THIS TIME BUT IT IS THE RESPONSIBILITY OF THE DEVELOPER TO PROVIDE APPLICABLE PORTIONS OF ES&PC PLANS TO ANY SECONDARY PERMITTEE PRIOR TO THEIR CONSTRUCTION COMMENCEMENT.

DURING THE INITIAL/INTERMEDIATE PHASE OF CONSTRUCTION TYPE "S" SILT FENCE WILL BE USED TO CONTROL THE ESCAPE OF SEDIMENT. DURING THE FINAL PHASE, TYPE "S" SILT FENCE WILL BE USED TO CONTROL THE ESCAPE OF SEDIMENT.

#### **SECONDARY PERMITTEES**

AND DOES REQUIRE A TMDL AND APPENDIX 1.

THIS MASTER LIST TO BE COMPLETED, SIGNED, AND KEPT IN THE ON SITE CONSTRUCTION TRAILER. SECONDARY PERMITTEES SIGN WHEN RECEIVING PLANS. ALL SECONDARY PERMITTEES MUST SUBMIT SECONDARY NOI AT LEAST 14 DAYS PRIOR TO BEGINNING

CONSTRUCTION ACTIVITY.		
NAME:	PHONE:	
COMPANY:	FAX:	
ADDRESS:		
ADDRESS:		
GSWCC LEVEL 1A CERTIFICATION NO.		SIGNATURE
NAME:	PHONE:	SIGNATURE
COMPANY:	FAX:	
ADDRESS:		
ADDRESS:		
GSWCC LEVEL 1A CERTIFICATION NO		SIGNATURE
NAME:	PHONE:	SIGNATURE
COMPANY:	FAX:	
ADDRESS:		
ADDRESS:		CICNATURE

#### **DESIGN PROFESSIONAL 7-DAY VISIT CERTIFICATION**

DATE OF INSPECTION ERTIFY THE SITE IS IN COMPLIANCE WITH THE ES&P PLAN ON THE DATE INSPECTED.

CONTROL BMP's AND SEDIMENT BASINS IN ACCORDANCE WITH PART IV.A.5 WITHIN 7 DAYS AFTER INSTALLATION. GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION #

THESE DISCREPANCIES MUST BE ADDRESSED IMMEDIATELY AND A RE-INSPECTION SCHEDULED. WORK SHALL NOT PROCEED ON THE SITE UNTIL DESIGN

#### PROFESSIONAL CERTIFICATION IS OBTAINED.

INSPECTION REVEALED THE FOLLOWING DISCREPANCIES FROM THE ES&PC PLAN:

DESIGN PROFESSIONAL CERTIFICATION (1) I CERTIFY THAT THE PERMITTEE'S EROSION. SEDIMENTATION AND POLLUTION 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 LAND DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100002.

(2) I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATION DESCRIBED HERE-IN BY MYSELF OR MY AUTHORIZED AGEN

(3) I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR THE MONITORING OF: (A) ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES SHOWN ON THE USGS TOPOGRAPHIC MAP AND ALL OTHER FIELD VERIFIED PERENNIAL AND INTERMITTENT STEAMS AND OTHER WATER BODIES. OR (B) WHERE ANY SUCH SPECIFIC IDENTIFIED PERENNIAL OR INTERMITTENT STREAM AND OTHER WATER BODY IS NOT PROPOSED TO BE SAMPLED. I HAVE DETERMINED IN MY PROFESSIONAL JUDGMENT, UTILIZING THE FACTORS REQUIRED IN THE GENERAL NPDES PERMIT NO. GAR 100002, THAT THE INCREASE IN THE TURBIDITY OF EACH SPECIFIC IDENTIFIED SAMPLED RECEIVING WATER WILL BE REPRESENTATIVE OF THE INCREASE IN THE TURBIDITY OF A SPECIFIC IDENTIFIED UN-SAMPLED RECEIVING WATER."

(3) I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE CERTIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM. OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS. TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

OWNER/AGENT: KENNETH HOWARD

#### APPENDIX B:NEPHELOMETRIC TURBIDITY UNIT (NTU) TABLES (SUPPORTING WARM WATER FISHERIES)

SURFACE WATER DRAINAGE AREA, SOUARE MILES <u>0-4.99 5-9.99 10-24.99 25-49.99 50-99.99 100-249.99 250-499.99 500-</u> 10.01-25 50 100 100 200 300 500 750 750 25.01-50 50 50 100 100 200  $\binom{0}{1}$ 50.01-100 50 50 50 100 100 150 300 300 √ 100.01+ 50 50 50 50 100 200 100

WILL UPSTREAM AND DOWN STREAM SAMPLING BE UTILIZED? IF MARKED YES THE CHART WILL NOT BE UTILIZED AND THE ALLOWABLE DOWNSTREAM NTU VALUE WILL BE 25 NTU GREATER THAN THE UPSTREAM SAMPLE.

NOTE: THE DESIGN PROFESSIONAL WHO PREPARED THE

INITIAL SEDIMENT STORAGE REQUIREMENTS, PERIMETER

ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE

STORM WATER SAMPLES ARE TO BE ANALYZED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 AND THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT. EPA 833-B-92-001."

STORM WATER IS TO BE SAMPLED FOR NEPHELOMETRIC TURBIDITY UNITS (NTU) AT THE OUTFALL LOCATION. A DISCHARGE OF STORM WATER RINOEF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED. INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURRIDITY OF THE DISCHARGE EXCEEDING 75 , THE VALUE THAT WAS SELECTED FROM APPENDIX B IN PERMIT NO. GAR 100002. THE NTU IS BASED UPON THE DISTURBED ACREAGE OF 4.04 ACRES FOR THE PROJECT SITE, THE SURFACE WATER DRAINAGE AREA OF0.0021SQUARE MILES, AND RECEIVING WATER WHICH SUPPORTS WARM WATER FISHERIES.

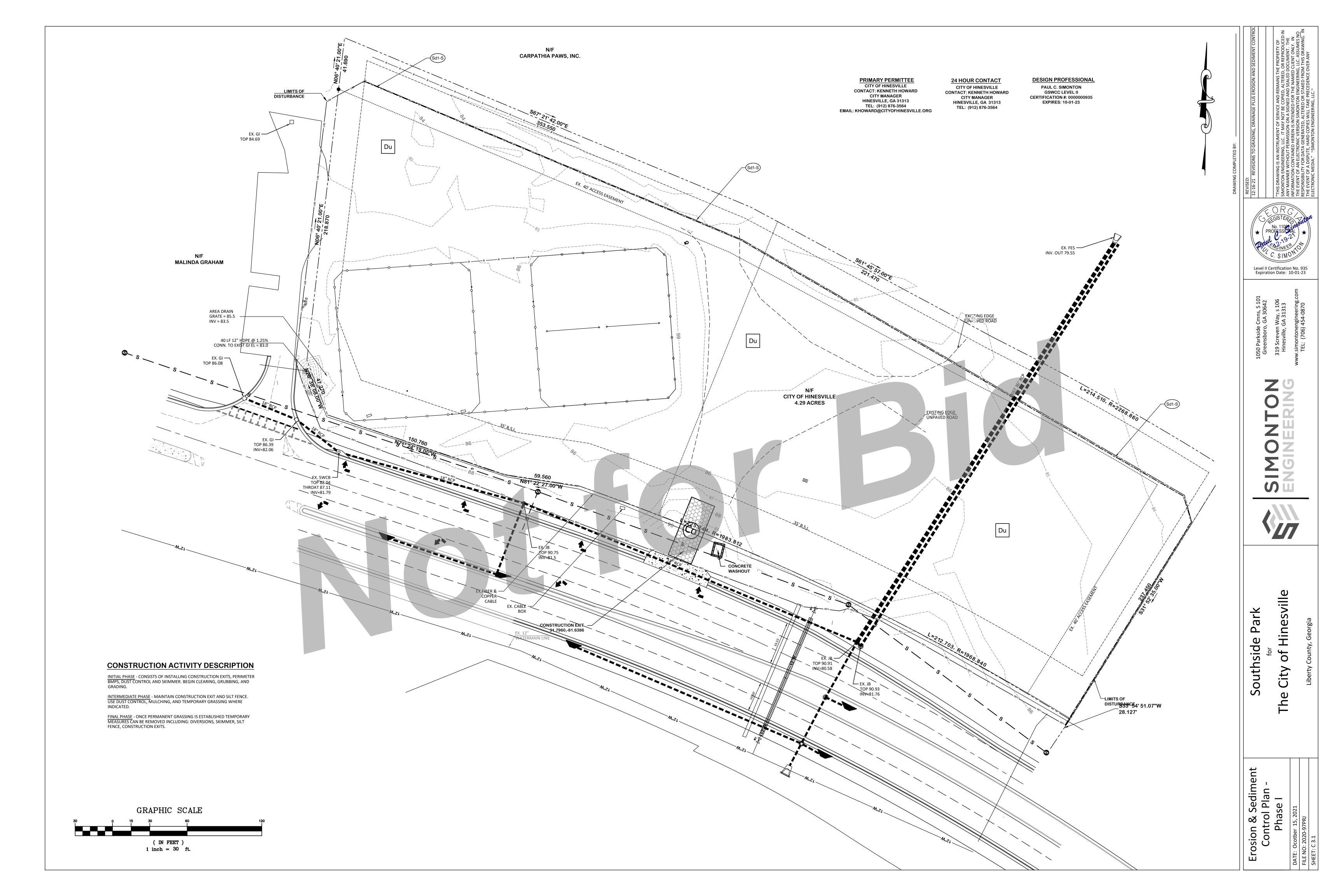
Level II Certification No. 935

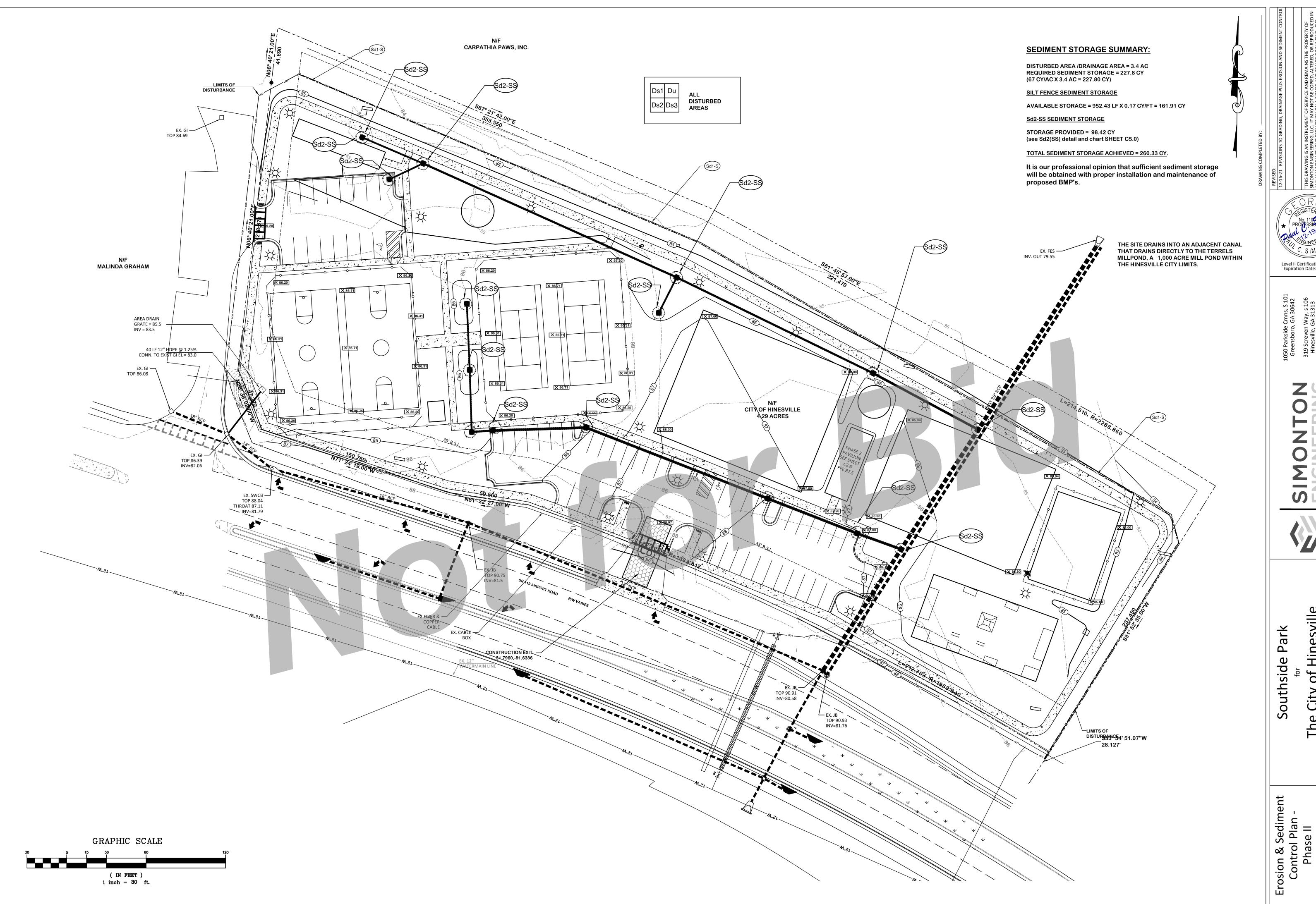
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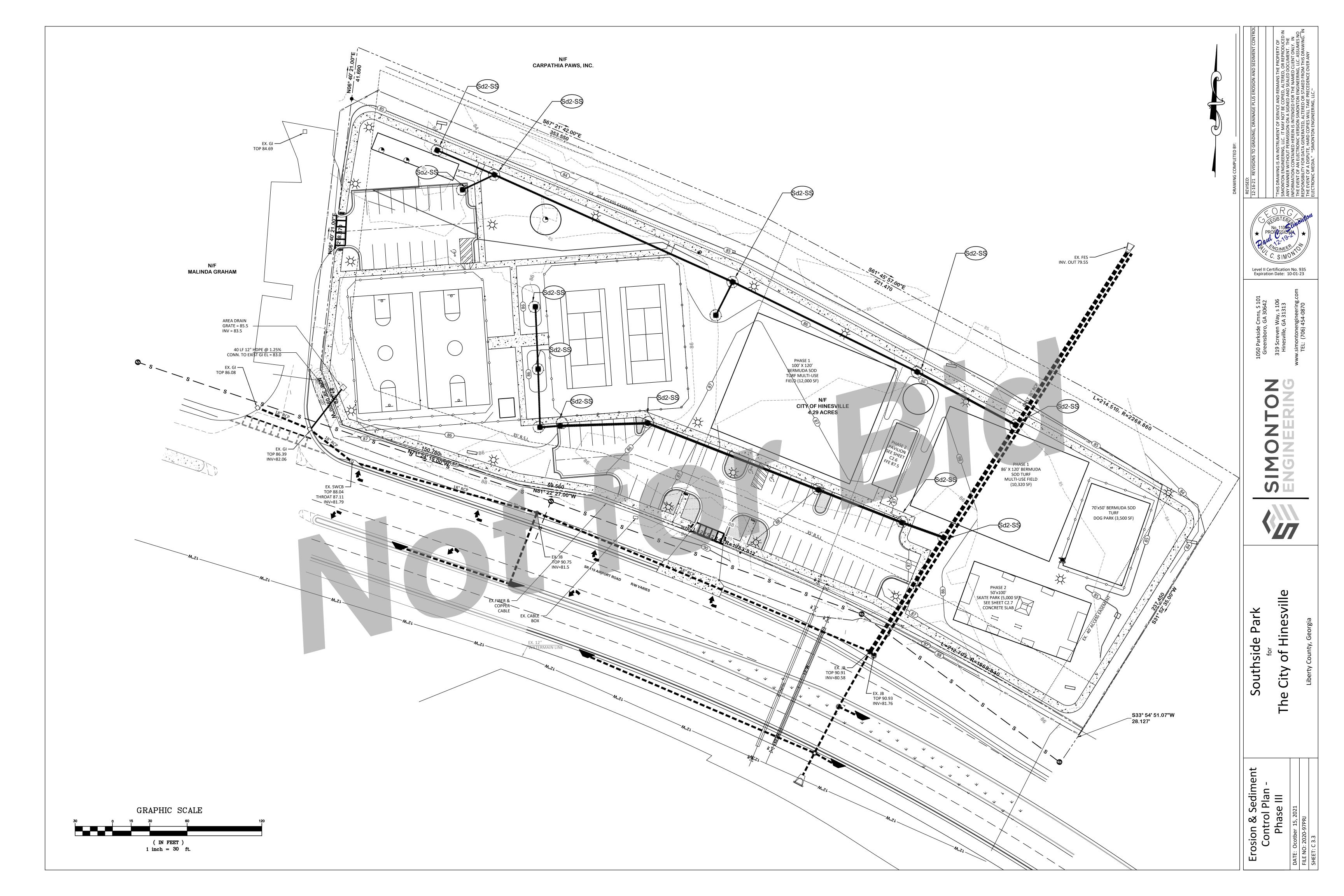
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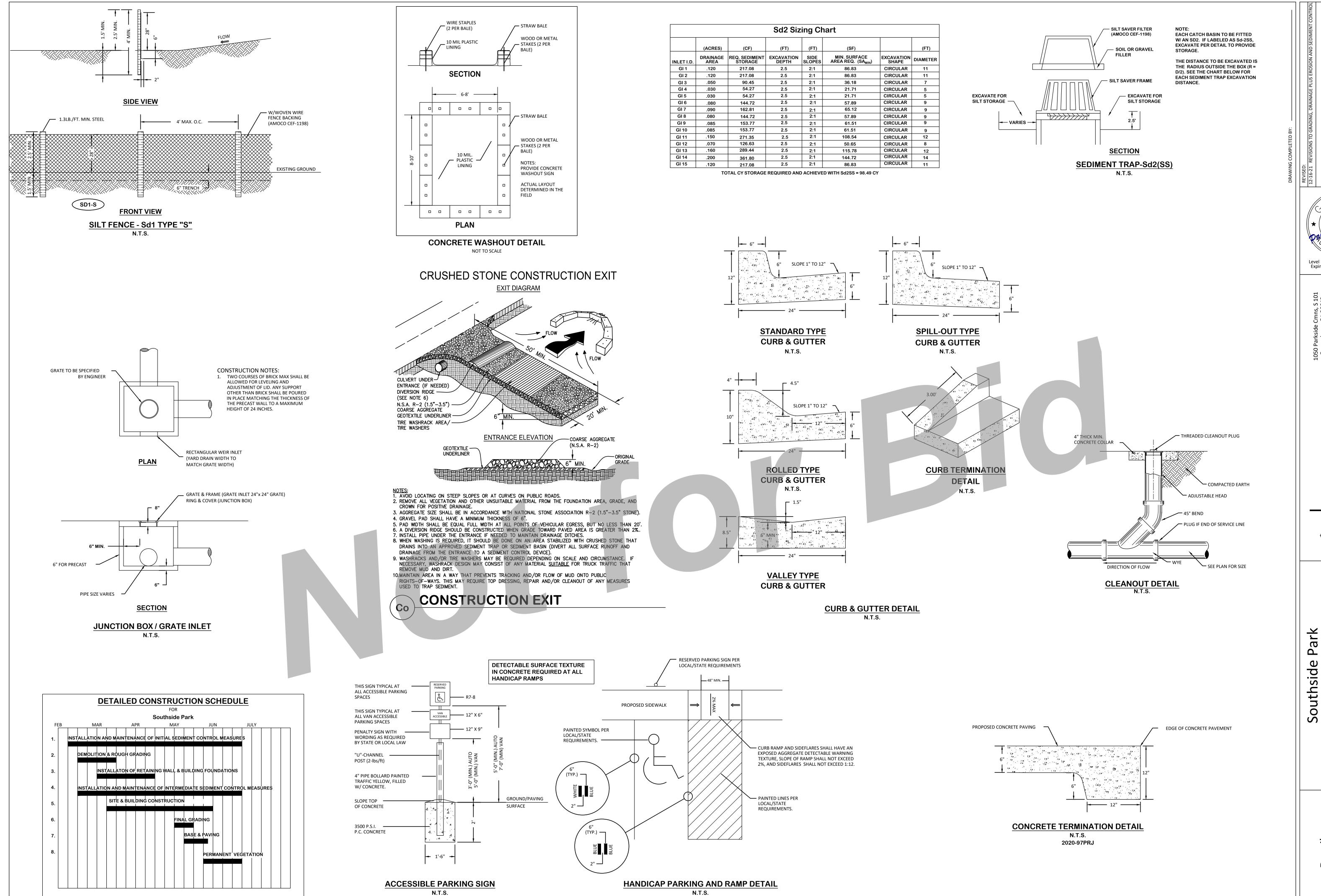
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of Hinesville City



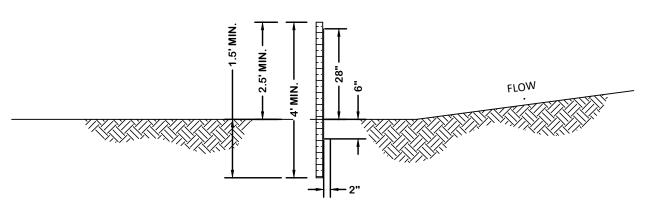


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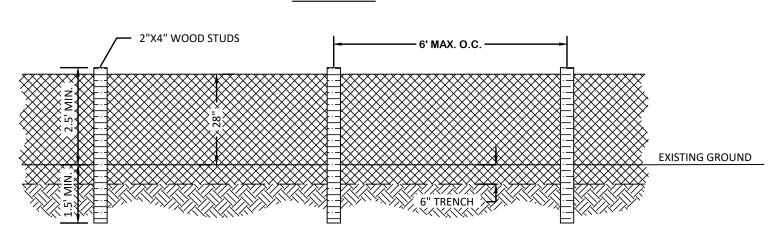
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Details

**TYPICAL FENCE DETAIL** N.T.S.

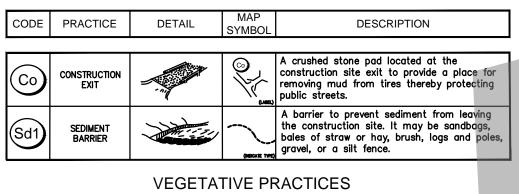


#### SIDE VIEW



#### **FRONT VIEW** SILT FENCE - TYPE "NS"

### LEGEND FOR EROSION AND SEDIMENT CONTROL PRACTICES STRUCTURAL PRACTICES



Sd1	SEDIMENT BARRIER		(MENCATE TIPE)	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and polygravel, or a silt fence.				
		VEGETA <sup>-</sup>	TIVE PF	RACTICES				
CODE	CODE PRACTICE DETAIL MAP SYMBOL DESCRIPTION							
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seedlings may not a suitable growing season to produce an erosion retarding cover.	ave			
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.				
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	100 mg	Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.				
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.				

#### **SOUTHSIDE PARK - EROSION CONTROL SCHEDULE**

ITEM (SEE CONSTRUCTION SCHEDULE THIS SHEET)

1 <u>Installation of Initial Sediment Control Measures</u> - Before clearing and rough grading begins, perimeter silt fence and construction exit will be installed per project plans to ensure sedimentation does not reach sensitive areas.

2 <u>Demolition & Clearing</u> - Mulch and temporary vegetation will be installed to ensure stabilization. Erosion and sediment control measures shall be installed prior to or concurrent with land disturbing activities and maintained until site is stabilized.

3 Rough Grading - Temporary/Permanent grassing practices will be utilized to ensure stabilization at all stages.

4 <u>Installation of Utilities</u> - Temporary/Permanent grassing practices will be utilized to ensure stabilization at all stages.

5 <u>Court Rehab</u> - Temporary/Permanent grassing practices will be utilized to ensure stabilization at all stages.

6 Final Grading - After all utilities in place, final grading is to occur to the elevations shown on the plan. Temporary/Permanent grassing practices will be utilized to ensure stabilization at all stages.

7 <u>Base, Paving & Concrete</u> - Silt Fence will be maintained and grassing practices will be utilized to control sedimentation.

8 Permanent Vegetation - The project will be grassed in all location whereas needed to establish a permanent stand of grass. Erosion control devices will be maintained until a permanent stand of grass is achieved and an N.O.T. is issued.

	Ds2 SP	ECIES AND	PLAN	TI	N	3	SC	CH	ΙE	D	U	LE	<u> </u>	
SPECIES	BROADCAS PER ACRE	T RATES (1) PER 1000 Sq.Ft.		PLANTING DATES BY RESOURCE AREAS (3)					AS	REMARKS				
LESPEDEZA, ANNUAL ALONE IN MIXTURES	40 lbs. 10 lbs.	0.9 lbs. 0.6 lbs.	P		-	$\frac{1}{1}$	A M							200,000 SEED PER POUND. MAY VOLUNTEER FOR SEVERAL YEARS. USE UNCULANT EL.
LOVEGRASS, WEEPING ALONE IN MIXTURES	4 lbs. 2 lbs.	0.1 lbs. 0.05 lbs.	Р	J	F	M A	A M	_ _	J	A	s c	D N	D	1,500,00 SEED PER POUND. MAY LAST FOR SEVERAL YEARS. MIX WITH SERICEA LESPEDEZA.
MILLET, BROWNTOP ALONE IN MIXTURES	40 lbs. 10 lbs.	0.9 lbs. 0.2 lbs.	Р	J	F	M A	A M	J	_ J	A	s c	) N	D	137,000 SEED PER POUND. QUICK DENSE COVER. WILL PROVIDE TOO MUCH COMPETITION IN MIXTURES IF SEEDED AT HIGH RATES.
MILLET, PEARL ALONE IN MIXTURES	50 lbs.	0.9 lbs.	Р		F	VI Z	A M			Δ	\$ 0	) N	D	88,000 SEED PER POUND. QUICK DENSE COVER. MAY REACH 5 FEET IN HEIGHT. NOT RECOMMENDED FOR MIXTURES.
RYE ALONE IN MIXTURES	3 bu (168 lbs.) 1/2 bu (28 lbs.)	3.9 lbs. 0.6 lbs.	Р				A M			1	+	l		18,000 SEED PER POUND. QUICK COVER. DROUGHT TOLERANT AND WINTERHARDY.
RYEGRASS, ANNUAL ALONE IN MIXTURES	40 lbs.	0.9 lbs.	P	J	F	M A	A M	J	J	A	S C	) N	D	227,000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.
SUDANGRASS ALONE IN MIXTURES (1) BROADCAST RATES ARE IN PUR	60 lbs.	1.4 lbs.	Р											55,000 SEED PER POUND. GOOD ON DROUGHTY SITES. NOT RECOMMENDED FOR MIXTURES.

(2) M-L REPRESENTS THE MOUNTAIN, BLUE RIDGE, AND RIDGES AND VALLEYS MLRA'S

P REPRESENTS THE SOUTHERN PIEDMONT MLRA

C REPRESENTS TO SOUTHERN COASTAL PLAIN, SAND HILLS, BLACK LANDS, AND ATLANTIC COAST FLATWOODS MLRA'S

DARK LINES INDICATE OPTIMUM DATES, GRAY LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.

FERTILIZER AND LIME REQUIREMENTS FOR TEMPORARY VEGETATION (Ds2)									
TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS./ACRE)	N TOP DRESSING RATE (LBS./ACRE)	LIME APPLICATION (TONS/ACRE)				
Cool Season Grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 1000 400	50-100 - 30	1				
Cool Season Grasses and Legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 1000 400	0-50 - -	1				
Temporary Cover Crops Seeded Alone	First	10-10-10	500	30	1				
Warm Season Grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 50-100 30	1				

### DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)

#### **SPECIFICATIONS**

A. FOR TEMPORARY PROTECTION OF CRITICAL AREAS WITHOUT SEEDING. THIS STANDARD APPLIES TO GRADES OR CLEARED AREA WHICH MAY BE SUBJECTED TO EROSION FOR 6 MONTHS OR LESS, WHERE SEEDING MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDANT COVER, BUT WHICH CAN BE STABILIZED WITH A MULCH COVER.

#### **SITE PREPARATION**

1. GRADE, AS NEEDED AND FEASIBLE, 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. AS NEEDED AND FEASIBLE, LOOSEN COMPACT SOIL TO A MINIMUM DEPTH OF 3 INCHES.

#### MULCHING MATERIALS

DRY STRAW OR HAY - SPREAD AT A RATE OF 2 1/2 TONS PER ACRE. WOOD WASTE, CHIPS, SAWDUST OR BARK - SPREAD 2 TO 3 INCHES DEEP (ABOUT 6 TO 9 TONS PER ACRE).

2. EROSION CONTROL MATTING OR NETTING, SUCH AS EXCELSIOR, JUTE, TEXTILE AND PLASTIC MATTING AND NETTING - APPLIED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

3. CUTBACK ASPHALT, SLOW CURING - APPLIED AT 1200 GALLONS PER ACRE (OR 1/4 GALLON PER SQ. YD.).

4. POLYETHYLENE FILM - SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL FOR TEMPORARY PROTECTION.

#### APPLYING AND ANCHORING MULCH

1. APPLY STRAW OR HAY MULCH UNIFORMLY BY HAND OR MECHANICALLY. ANCHOR AS APPROPRIATE AND FEASIBLE. IT MAY BE PRESSED INTO THE SOIL WITH A DISK HARROW WITH THE DISK SET STRAIGHT OR WITH A SPECIAL "PACKER DISK." THE DISK 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 PRESS IT INTO THE SOIL LEAVING MUCH OF IT IN AN ERECT POSITION. STRAW HAY MULCH SPREAD WITH SPECIAL BLOWER-TYPE EQUIPMENT MAY BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-5 OR SS-1). THE ASPHALT EMULSION MUST BE SPRAYED ONTO THE MULCH AS IT IS EJECTED FROM THE MACHINE. USE 100 GALLONS OF WATER PER ACRE.

2. SPREAD WOOD WASTE UNIFORMLY ON SLPES THAT ARE 3:1 AND FLATTER. NO ANCHORING IS NEEDED.

3. COMMERCIAL MATTING AND NETTING - FOLLOW MANUFACTURER'S SPECIFICATION INCLUDED WITH THE MATERIAL.

4. APPLY ASPHALT SO AREA HAS UNIFORM APPEARANCE. (NOTE: USE IN AREAS OF PEDESTRIAN TRAFFIC COULD CAUSE PROBLEMS OR "TRACKING IN" OR DAMAGE TO SHOES, CLOTHING, ETC.).

B. TO CONSERVE MOISTURE AND CONTROL WEEDS IN NURSERIES, ORNAMENTAL BEDS, AROUND SHRUBS, AND ON BAR AREAS ON LAWNS.

#### MULCHING MATERIALS

USE ONE OF THE MATERIALS LISTED BELOW AND APPLY AT THICKNESS INDICATED.

MATERIAL	DEPTH
1. GRAIN STRAW OR GRASS HAY	6" TO 10"
2. PINE NEEDLE	4" TO 6"

4" TO 8" (SAWDUST, BARK, CHIPS) 4. SHREDDED RESIDUES

(CROPS, LEAVES, ETC.) 5. COMPLETELY COVER AREA WITH BLACK POLYETHYLENE FILM AND HOLD IN PLACE BY PLACING SOIL ON THE OUTER EDGE. WHEN USING ORGANIC MULCHES, APPLY 20-30 POUNDS OF NITROGEN IN ADDITION TO THE NORMAL AMOUNT NEEDED FOR PLANT GROWTH TO OFFSET THE TIE UP OF NITROGEN BY DECOMPOSITION OF

# Ds1 DISTURBED AREA STABILIZATION W/ MULCHING ONLY

#### (COORDINATE WITH FINAL LANDSCAPING PLAN)

	Ds3 SPECIES AND PLANTING SCHEDULE							
SPECIES  BROADCAST RATES 1/ - PLS 2/ PER PER ACRE 1000 S.F.		PLANTIN RESOURCE AREA 3/	G DATES BY RESOURCE  AREAS *  JEMANJJASOND	SPECIFICATIONS				
BERMUDA, COMMON (CYNODON DACTYLON) HULLED SEED ALONE WITH OTHER PERENNIALS	10 LBS. 0.2 LB. 6 LBS. 0.1 LB.	P	J FIMA MIJI ASDNID	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 WITH OTHER PERENNIALS	10 LBS. 0.2 LB. 6 LBS. 0.1 LB.	Р	J F MA M J J A S D N D	PLANT WITH WINTER ANNUALS. PLANT WITH TALL FESCUE.				
BERMUDA SPRIGS (CYNODON DACTYLON) COASTAL, COMMON, MIDLAND, OR TIFT 44 COASTAL, COMMON, OR TIFT 44	40 CU. FT. 0.9 CU.FT. OR SOD PLUGS 3' x 3'	P	J FIMA M JJ A S D N D	A CUBIC FT. CONTAINS APPROXIMATLY 650 SPRIGS. A BUSHEL CONTAINS 1.25 C.F. OR APPROXIMATLY 800 SPRIGS.				
CENTIPEDE (EREMOCHLOA OPHIUROIDES)	BLOCK SOD ONLY	P	J F M A M JJ A S D N D	DROUGHT TOLERANT. FULL SUN OR PARTIAL SHADE. EFFECTIVE ADJACENT TO CONCRETE AND IN CONCENTRATED FLOW AREAS. IRRIGATION IS NEEDED UNTIL FULLY EST. DO NOT PLANT NEAR PARTURES. WINTERHARDY AS FAR NORTH AS ATHENS AND ATLANTA.				
FESCUE, TALL (CYNODON DACTYLON) ALONE WITH OTHER PERENNIALS	50 LBS. 1.1 LB.	P		227,000 SEED PER POUND.USE ALONE ONLY ON BETTER SITES. NOT FOR DROUGHTY SOILS. MIX WITH PERENNIAL LESPEDEZAS OR CROWN- VETCH. APPLY TOPDRESSING IN SPRING FOLLOWING FALL PLANTING. NOT FOR HEAVY USE AREAS OR ATHLETIC FEILDS.				

BROADCAST RATES ARE IN PURE LIVE SEED (PLS) M-L REPRESENTS THE MOUNTAIN, BLUE RIDGE, AND RIDGES AND VALLEYS MLRA'S P REPRESENTS THE SOUTHERN PIEDMONT MLRA

C REPRESENTS SOUTHERN COASTAL PLAIN, SAND HILLS, BLACK LANDS, AND ATLANTIC COAST FLATWOODS MLRA'S

(3) DARK LINES INDICATE OPTIMUM DATES, GRAY LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.

#### FERTILIZER AND LIME REQUIREMENTS FOR PERMANENT VEGETATION (Ds3)

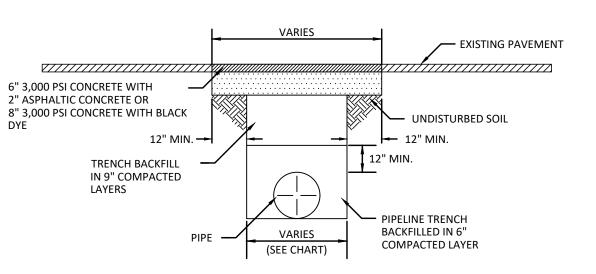
TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS./ACRE)	N TOP DRESSING RATE (LBS./ACRE)	LIME APPLICATION (TONS/ACRE)
Cool Season Grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 1000 400	50-100 - 30	1
Cool Season Grasses and Legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 1000 400	0-50 - -	1
Warm Season Grasses	First Second Maintenance	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 50-100 30	1
Warm Season Grasses and Legumes	First Second Maintenance	6-12-12 0-10-10 0-10-10	1500 1000 400	0-50 - -	1

Ds3 PERMANENT GRASSING MULCHING RATES

1. GRAIN STRAW OR GRASS HAY

2. PINE NEEDLE WOOD WASTE (SAWDUST, BARK, CHIPS)

# Ds3 DISTURBED AREA STABILIZATION (WITH PERM SEEDING)



MAXIMUM PAVEMENT WIDTH FOR CUT DEPTH OVER 6 FEET SHALL BE 8 FEET UNLESS NOTED OTHERWISE ON PLANS.

PIPE DIAMETER	MAXIMUM TRENCH WIDTH 0 - 6' CUT DEPTH	MAXIMUM PAVEMENT WIDTH 0 - 6' CUT DEPTH	
6" TO 15"	16" + DIA.	40" + DIA.	
18" TO 21"	20" + DIA.	44" + DIA.	
24" TO 30"	24" + DIA.	48" + DIA.	
33" TO 42"	36" + DIA.	60" + DIA.	
48"+	36" + DIA.	60" + DIA.	

PAVEMENT REMOVAL & REPLACEMENT

Level II Certification No. 935 Expiration Date: 10-01-23



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