



# CIVIL DESIGN DRAWINGS FOR WILLIE BASBY

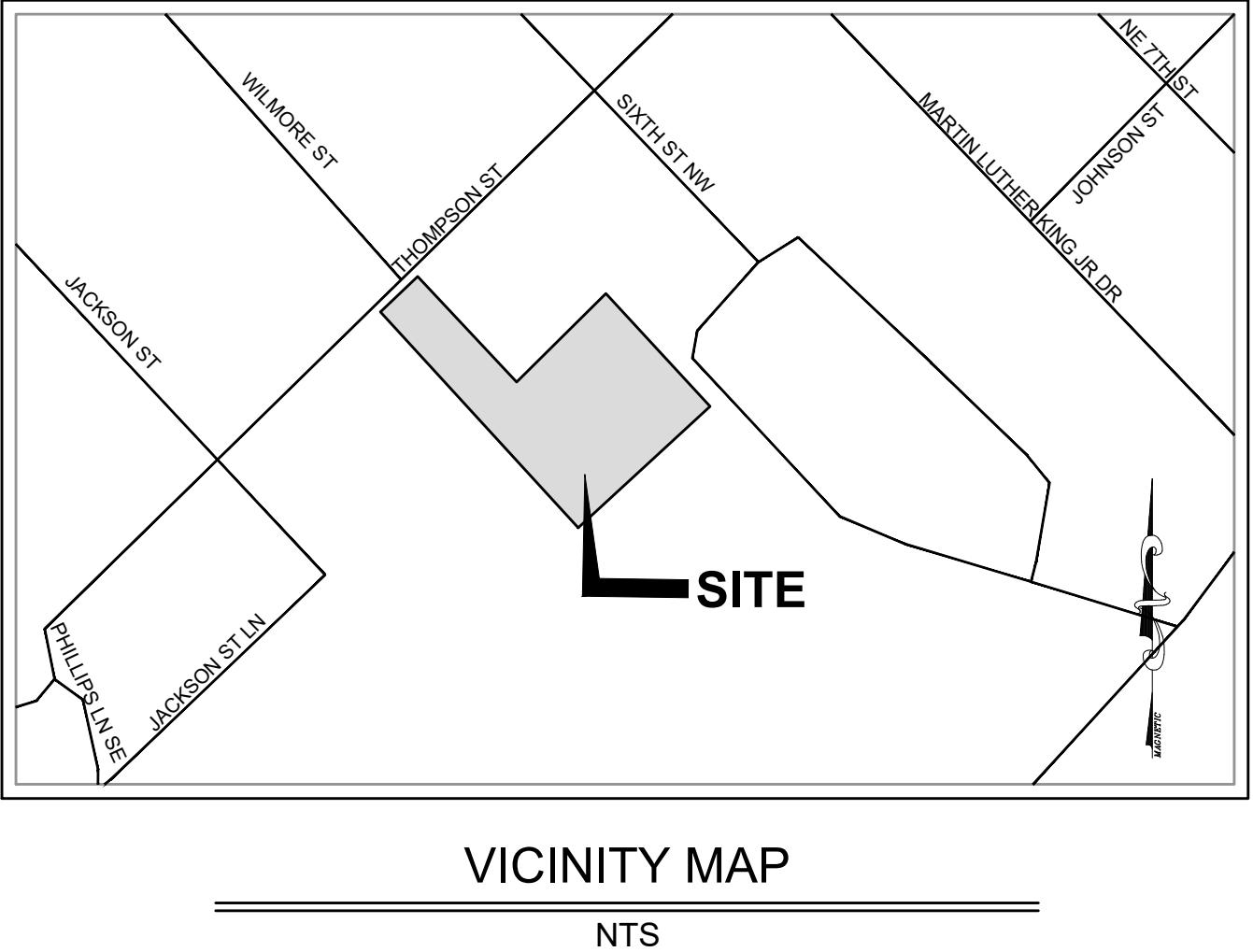
## CITY OFFICIALS

MAYOR	BILLY YEOMANS
COUNCIL MEMBER	TRICIA GARDENER
COUNCIL MEMBER	CARLA COLEY
COUNCIL MEMBER	LONNIE TEDDERS
COUNCIL MEMBER	GARY ATES
COUNCIL MEMBER	SHANE SAVANT
COUNCIL MEMBER	DIANNE LESTER
CITY MANAGER	RICHARD NEWBURN

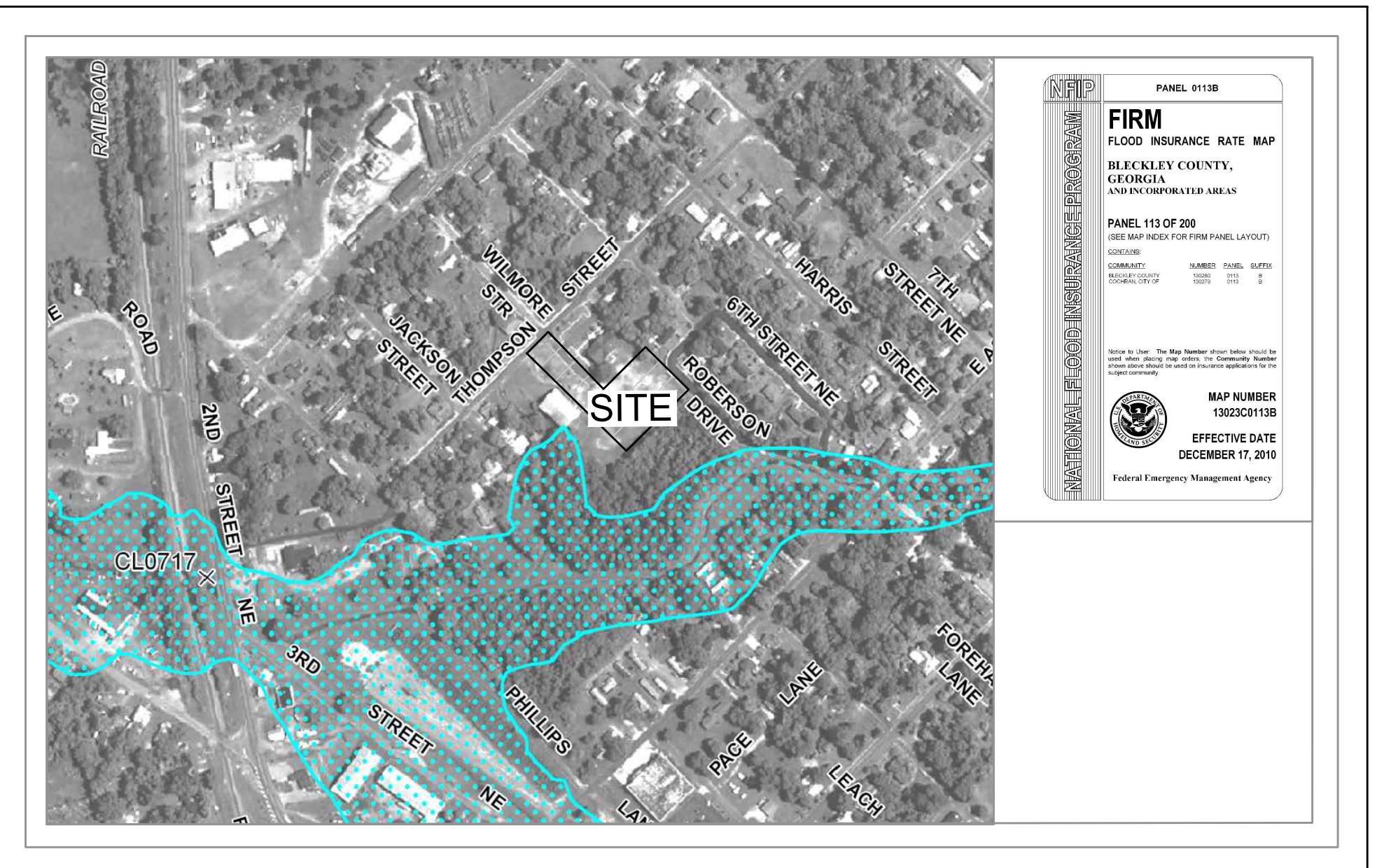
OWNER/DEVELOPER: THE CITY OF COCHRAN 112 WEST DYKES STREET COCHRAN, GA 31014 PHONE: (478) 934-6346 RNEWBURN@CITYOFCOCHRAN.COM	24 HOUR CONTACT: RICHARD NEWBURN PHONE: (478) 534-6346	SURVEYOR: FALCON DESIGN CONSULTANTS, LLC 235 CORPORATE CENTER DR., SUITE 200 STOCKBRIDGE, GA 30281 PHONE: (770) 389-8666	ENGINEER: FALCON DESIGN CONSULTANTS, LLC 235 CORPORATE CENTER DR., SUITE 200 STOCKBRIDGE, GA 30281 PHONE: (770) 389-8666
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## PARK

LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA



Sheet List Table	
Sheet Number	Sheet Title
1.0	COVER SHEET
2.0	GENERAL NOTES
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2.2	NPDES NOTES
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3.0	EXISTING CONDITIONS/ DEMO
4.0	EROSION CONTROL PLAN - INITIAL PHASE
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6.0	EROSION CONTROL PLAN - FINAL PHASE
7.0	SITE PLAN
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9.0 - 9.1	EROSION CONTROL DETAILS
10.0	CONSTRUCTION DETAILS
11.0	LANDSCAPE PLAN
11.1	LANDSCAPE DETAILS



### FEMA FLOOD MAP

N.T.S.

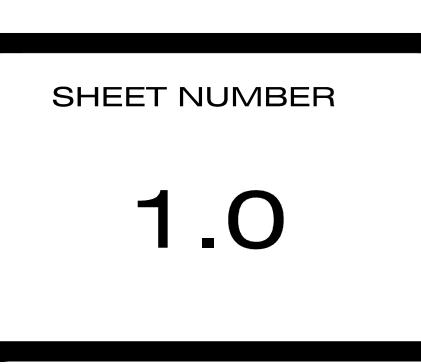
#### FLOOD NOTE

AS SHOWN ON FLOOD INSURANCE RATE MAPS OF A CITY OF COCHRAN, GEORGIA  
COMMUNITY PANEL NUMBER: 13023C0113B EFFECTIVE DATE: DEC. 17, 2010,  
PORTIONS OF THESE PROPERTIES ARE LOCATED IN A FEMA FLOOD HAZARD  
ZONE.

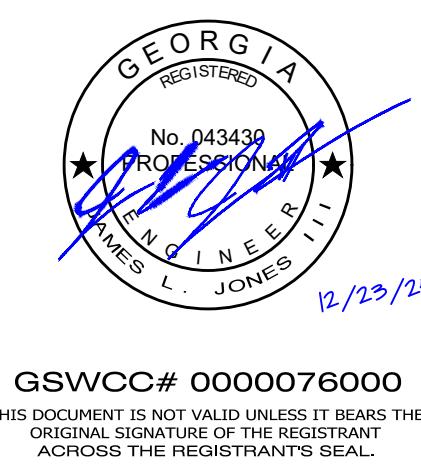
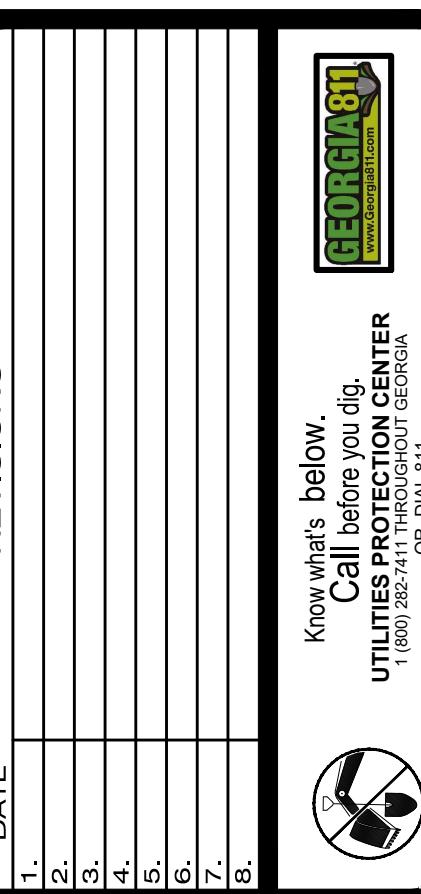
### DEVELOPMENT DATA

1. OWNER / DEVELOPER THE CITY OF COCHRAN 112 WEST DYKES STREET COCHRAN, GA 31014 PHONE: (478) 934-6346	5. FLOOD ZONE DATA THE PARCEL SHOWN HEREIN DOES LIE WITHIN A SPECIAL FLOOD HAZARD AREA PER F.I.R.M. PANEL 13023C0113B EFFECTIVE DATE DEC. 17, 2010.
24 HOUR CONTACT: RICHARD NEWBURN PHONE: (478) 534-6346	PROJECT RECEIVING WATERS: UNNAMED TRIBUTARY OF JORDAN CREEK
2. ENGINEER FALCON DESIGN CONSULTANTS, LLC 235 CORPORATE CENTER DR., SUITE 200 STOCKBRIDGE, GA 30281 PHONE: (770) 389-8666	6. PROPERTY ADDRESS THOMPSON ST IN CITY OF COCHRAN
7. SITE REQUIREMENTS PROJECT AREA	OVERALL DEVELOPMENT 1.18 ACRES TOTAL DISTURBED AREA 0.67 ACRES IMPERVIOUS AREA 0.17 ACRES
3. SOURCE OF DATA FALCON DESIGN CONSULTANTS, LLC 235 CORPORATE CENTER DR., SUITE 200 STOCKBRIDGE, GA 30281 PHONE: (770) 389-8666	TOPOGRAPHIC & BOUNDARY SURVEY PERFORMED BY: FALCON DESIGN CONSULTANTS, LLC DATE: MAY 8, 2018.
4. SITE LOCATION DATA THOMPSON ST IN CITY OF COCHRAN, GEORGIA	THERE ARE NO STATE WATERS LOCATED WITHIN 200 FT. OF THE SITE

SHEET NUMBER  
1.0



COVER SHEET  
FOR  
WILLIE BASBY  
PARK  
LOCATED IN:  
LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA



GSWCC# 0000076000  
THIS DOCUMENT IS NOT VALID UNLESS IT BEARS THE  
ORIGINAL SIGNATURE OF THE REGISTRANT  
ACROSS THE REGISTRANT'S SEAL.





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CONSULTANTS

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NEWNAN OFFICE  
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NEWNAN, GEORGIA 30265  
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500 PINEWOOD RD, STE C  
CUMMING, GEORGIA 30040  
Ph. (678) 807-7100  
www.fdc-llc.com

# GENERAL NOTES:

## GENERAL NOTES:

- CAUTION, UNDERGROUND SERVICE ALERT! THE CONTRACTOR SHALL TELEPHONE TOLL FREE 1-800-282-7411 OR 811 A MINIMUM OF 48 HOURS PRIOR TO THE START OF ANY EXCAVATION AS SHOWN AND NOTED ON THE APPROVED PLANS.
- ALL NECESSARY PERMITS TO PERFORM THE WORK AS SHOWN AND NOTED HEREON SHALL BE OBTAINED PRIOR TO THE START OF CONSTRUCTION FROM CITY OF COCHRAN.
- ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE RULES, REGULATIONS, AND STANDARDS OF THE GEORGIA STATE D.O.T. (DEPARTMENT OF TRANSPORTATION) AND CITY OF COCHRAN.
- UNDERGROUND UTILITY LINE LOCATIONS (IF ANY) ARE APPROX. ONLY, AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF ANY SUCH UTILITIES. UTILITIES SHOWN ON PLANS ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS. CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY EXISTING UTILITIES WILL EFFECT OR IMPEDE THE PROGRESSION OR COMPLETION OF THE DESIGN INTENT OF THESE CONSTRUCTION DOCUMENTS.
- THERE IS 100 YEAR FLOOD PLAIN ON THIS SITE PER FEMA FLOOD PLAIN COMMUNITY PANEL NUMBERS 13023C0113B DATED DEC. 17, 2010 OR CITY OF COCHRAN PANEL 113 OF 200 DATED 17 DEC 2010.
- THERE ARE NO STATE WATERS LOCATED WITHIN 200 FT. OF THIS PROJECT SITE.
- THE CONTRACTOR SHALL COORDINATE RELOCATION OF ANY EXISTING UTILITIES WITH THE APPROPRIATE UTILITY ENTITY PRIOR TO THE START OF ANY CONSTRUCTION.
- THE OWNER SHALL DIRECT THE CONTRACTOR AS TO WHAT EXISTING VEGETATION ON SITE SHALL BE REMOVED BEYOND THE CLEARING LIMITS AS SHOWN AND NOTED HEREON. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN PROTECTING EXISTING TREES. COORDINATE ALL TREE REMOVAL WITH OWNER PRIOR TO THE START OF ANY CONSTRUCTION.
- MISCELLANEOUS MAPPING NOTES:
  - UTILITIES SHOWN ARE LOCATIONS OF GROUND IDENTIFIABLE ITEMS. ADDITIONAL UTILITIES MAY EXIST ABOVE OR BELOW THE GROUND. THE SURVEYOR & ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE COMPLETENESS OF THIS DATA.
  - THIS PROPERTY IS SUBJECT TO ALL RIGHT-OF-WAYS & EASEMENTS SHOWN OR NOT SHOWN, RECORDED OR NOT RECORDED.
- THE CONTRACTOR SHALL REMOVE AND ABANDON EXISTING UTILITIES ONLY AFTER APPROVAL FROM ALL INTERESTED PARTIES. THESE FACILITIES MAY INCLUDE, BUT NOT BE LIMITED TO, EXISTING ON-SITE DRAINAGE PIPING, ON-SITE PRIVATE ELECTRICAL LINES AND APPURTENANCES, ABANDONED EROSION CONTROL DEVICES AND STRUCTURES. THE CONTRACTOR SHALL COORDINATE ANY AND ALL ABANDONMENT AND/OR RELOCATION WITH THE APPROPRIATE UTILITY COMPANIES OR ENTITY. ANY DISPOSAL OF SAID FACILITIES SHALL BE DONE IN ACCORDANCE WITH LOCAL UTILITY AND/OR GOVERNMENTAL REGULATIONS. RELOCATION AND/OR ABANDONMENT OF SAID FACILITIES AND/OR UTILITIES SHALL BE DONE AT THE EXPENSE OF THE OWNER/DEVELOPER. PERMITS (IF ANY) SHALL BE OBTAINED BY THE CONTRACTOR AND/OR OWNER/DEVELOPER.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT PRIOR TO ORDERING PROJECT MATERIALS, THAT THE MOST CURRENT SET OF CONSTRUCTION DOCUMENTS HAVE BEEN OBTAINED FROM THE PROJECT ENGINEER INCLUDING, BUT NOT LIMITED TO, THE PERMITTED SET(S) FROM ALL APPLICABLE AGENCIES AS APPROPRIATE. THE PROJECT ENGINEER ACCEPTS NO RESPONSIBILITY FOR IMPROPER ORDERING OF MATERIALS.
- ALL CONSTRUCTION MUST CONFORM TO CITY OF COCHRAN STANDARDS AND SPECIFICATIONS, WHETHER OR NOT REVIEW COMMENTS WERE MADE.
- ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER INSTALLATION AND STORMWATER MANAGEMENT FACILITIES ARE CONSTRUCTED.
- SILT BARRIERS TO BE PLACED AS SHOWN AND/OR AS DIRECTED BY PROJECT ENGINEER AND/OR THE CITY OF COCHRAN INSPECTOR.
- NOTIFY CITY OF COCHRAN INSPECTOR 24 HOURS PRIOR TO CONSTRUCTION.
- ALL AREAS USED AS BURIAL PITS DURING DEVELOPMENT MUST BE LOCATED OUTSIDE OF RIGHT-OF-WAY AND ARE TO BE LOCATED ON THE FINAL PLAT. GEORGIA DNR EPD REQUIREMENTS ARE TO BE MET. NO PORTION OF WASTE DISPOSAL AREA SHALL BE LOCATED WITHIN ONE HUNDRED (100) LINEAR FEET OF ANY PROPERTY LINE OR ENCLOSED STRUCTURE."
- THE OWNER/DEVELOPER AND ENGINEER HAVE REVIEWED THE APPROPRIATE LOCAL, STATE, AND FEDERAL REGULATIONS REGARDING DEVELOPMENT ACTIVITIES ADJACENT TO FLOOD PLAINS AND WETLANDS AND HAVE DETERMINED THAT THIS DEVELOPMENT PLAN SATISFIES THE STANDARDS PRESENTED IN APPLICABLE REGULATIONS.
- WATER SERVICE TO BE PROVIDED BY CITY OF COCHRAN.
- ALL EROSION AND SEDIMENTATION CONTROLS, AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.
- SIGNING AND STRIPING TO BE PROVIDED BY THE CONTRACTOR ACCORDING TO M.U.T.C.D. SPECIFICATIONS.
- ALL FILL AREAS MUST BE COMPAKTED TO A MINIMUM OF 98% STANDARD PROCTOR.
- NO WOODY VEGETATION IS ALLOWED WITHIN 15' OF THE DOWNSTREAM TOE OF EARTHEN EMBANKMENT.
- ALL STORM PIPE AND STRUCTURES SHALL COMPLY WITH GADOT STANDARDS FOR DESIGN, CONSTRUCTION, AND INSTALLATION.
- INVERTS ON ALL STORM STRUCTURES SHALL BE PAVED SMOOTH.
- ALL STORMWATER STRUCTURES AND PONDS SHALL BE MAINTAINED BY THE PROPERTY OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SIGNING AND MAINTENANCE OF TRAFFIC CONTROL DURING CONSTRUCTION IN ACCORDANCE WITH THE MUTCD, GADOT, AND CITY OF COCHRAN STANDARDS.
- IF ANY CONFLICTS, DISCREPANCIES OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.

## GRADING NOTES: PLACEMENT AND COMPACTION

- GROUND SURFACE PREPARATION: REMOVE VEGETATION INCLUDING GRASS, ROOTS, AND SURFICIAL ORGANICS, DEBRIS, UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE PRIOR TO PLACEMENT OF FILLS, PLOW STRIP, OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERT. TO 2 HORIZ. SO THAT FILL MATERIAL WILL BOND WITH EXISTING SURFACE. WHEN EXISTING GROUND SURFACE HAS A DENSITY LESS THAN THAT SPECIFIED UNDER COMPACTION FOR PARTICULAR AREA CLASSIFICATION, BREAK UP GROUND SURFACE, PULVERIZE, MOISTURE CONDITION TO OPTIMUM MOISTURE CONTENT, AND COMPACT TO REQUIRED DEPTH AND PERCENTAGE OF MAXIMUM DENSITY.
- PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 12 INCHES IN LOOSE DEPTH FOR MATERIAL COMPAKTED BY HEAVY COMPACTION EQUIPMENT AND NOT MORE THAN 6 INCHES IN LOOSE DEPTH FOR MATERIAL COMPAKTED BY HAND-OPERATED TAMPERS.
- BEFORE COMPACTION, MOISTEN AND AERATE EACH LAYER AS NECESSARY TO PROVIDE OPTIMUM MOISTURE CONTENT. COMPACT EACH LAYER TO REQUIRED PERCENTAGE OF MAXIMUM DRY DENSITY OR RELATIVE DRY DENSITY FOR EACH AREA CLASSIFICATION. DO NOT PLACE BACKFILL OR FILL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN OR CONTAIN FROST OR ICE.
- COMPACT SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MTL TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY TO A DEPTH OF 6" BELOW BOTTOM OF FINAL GRADE.
- MOISTURE CONTROL: WHERE SUBGRADE OR LAYER OF SOIL MATERIAL MUST BE MOISTURE CONDITIONED BEFORE COMPACTION, UNIFORMLY APPLY WATER TO SURFACE OF SUBGRADE OR LAYER OF SOIL MTL. APPLY WATER IN MINIMUM QUANTITY AS NECESSARY TO PREVENT FREE WATER FROM APPEARING ON SURFACE DURING OR SUBSEQUENT TO COMPACTION OPERATIONS.
- REMOVE AND REPLACE, OR SCARIFY AND AIR DRY, SOIL MATERIAL THAT IS TOO WET TO PERMIT COMPACTION TO SPECIFIED DENSITY.
- SPREAD SOIL MATERIAL THAT HAS BEEN REMOVED BECAUSE IT IS TOO WET. TO PERMIT COMPACTION, ASSIST DRYING BY DISCING, HARROWING, OR PULVERIZING UNTIL MOISTURE CONTENT IS REDUCED TO A SATISFACTORY VALUE.
- QUALITY CONTROL TESTING DURING CONSTRUCTION: ALLOW GEOTECHNICAL TESTING SERVICE TO INSPECT AND APPROVE EACH SUB-GRADE AND BACKFILL OR FILL LAYER BEFORE FURTHER BACKFILL OR CONSTRUCTION WORK IS PERFORMED. TEST SHALL BE PERFORMED EVERY 10,000 SQ. FT. OF AREA PER ONE FOOT LIFT (OR AS DIRECTED BY A REGISTERED GEOTECHNICAL ENGINEER).
- GEOTECHNICAL SPEC'S DEPICTED HEREON ARE GUIDELINES ONLY AND SHOULD BE VERIFIED BY A REGISTERED GEOTECHNICAL ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. RECOMMENDATIONS FROM A REGISTERED GEOTECHNICAL ENGINEER (IF ANY) SHALL SUPERSEDE THE ABOVE REFERENCED SPEC'S.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF THE DISCOVERY OF ANY GROUNDWATER, SUBSURFACE SEEPAGE OR SPRINGS DURING THE COURSE OF CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE OWNER TO CONSULT WITH A REGISTERED GEOTECHNICAL ENGINEER TO INSPECT THE SITE, AND TO MAKE ANY RECOMMENDATIONS REGARDING EVIDENCE AND REMEDIATION (IF ANY) OF SAID SUBSURFACE WATERS.

- ALL CUT AND FILL SLOPES (WITH THE EXCEPTION OF DETENTION AND SEDIMENT PONDS) SHALL BE LESS THAN OR EQUAL TO 2:1. POND SLOPES SHALL BE 3:1 UNLESS OTHERWISE NOTED.
- CITY OF COCHRAN ASSUMES NO RESPONSIBILITY FOR THE OVERFLOW OR EROSION OF NATURAL DRAINS OR THE MAINTENANCE OF STORM DRAINS BEYOND THE EXTENT OF THE STREET RIGHT OF WAY.

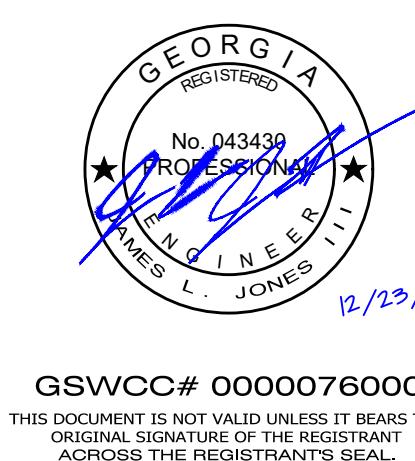
## HOW TO USE THESE DRAWINGS:

- THE PLANS, PROFILES, DETAILS, SPECIFICATIONS AND OTHER DESIGN APPURTENANCES CONTAINED HEREIN ARE FOR INFORMATION, PERMITTING, AND CONSTRUCTION PURPOSES. THESE DOCUMENTS ARE NOT VALID FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY THE ENGINEER OF RECORD AND THE APPROPRIATE PERMITS ARE OBTAINED FROM LOCAL GOVERNING AUTHORITIES.
- ADDITIONAL PROVISIONS MAY BE REQUIRED DURING CONSTRUCTION DUE TO SITE CONDITIONS, WEATHER, OR REQUESTS BY THE INSPECTOR.
- THE FEATURES, DISTANCES, AND ANGLES ON THESE DRAWINGS SHALL NOT BE SCALED. IF THE NECESSARY DIMENSIONS ARE NOT PROVIDED, THE CONTRACTOR SHALL NOTIFY THE OWNER OR ENGINEER FOR CLARITY.
- PIPE LENGTHS ARE MEASURED TO THE CENTER OF THE STRUCTURES IN LINEAR HORIZONTAL FEET AND PIPE SIZES ARE MEASURED BY INSIDE DIAMETER IN INCHES UNLESS OTHERWISE NOTED.
- THE PROPOSED GRADING SHOWN ON THESE PLANS REPRESENTS THE FINISHED SURFACE ELEVATIONS UNLESS OTHERWISE NOTED.

GENERAL NOTES  
FOR  
WILLIE BASBY  
PARK  
LOCATED IN:  
LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA

REVISIONS	DATE	1	2	3	4	5	6	7	8
Known as below: Call before you dig Utilities Center OR DIAL 811									

DATE:	12/23/25
SCALE:	N/A
PROJ NUMBER:	010.010
DRAWN BY:	EHL
REVIEWED BY:	-
REVISED BY:	-



GSWCC# 000007600  
THIS DOCUMENT IS NOT VALID UNLESS IT BEARS THE ORIGINAL SIGNATURE OF THE REGISTRANT ACROSS THE REGISTRANT'S SEAL.

SHEET NUMBER  
2.0



**SOILS INFORMATION:**  
SOURCE: USDA WEB SOIL SURVEY

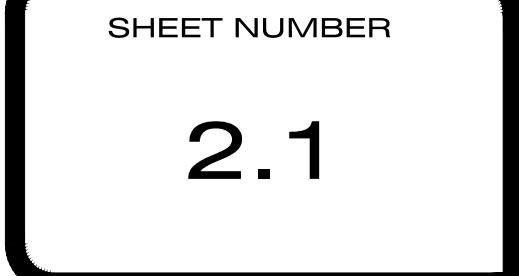
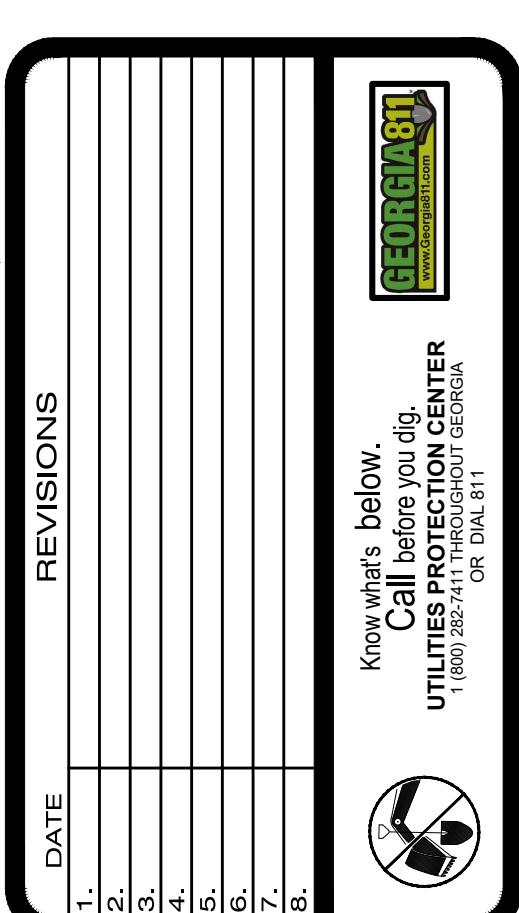
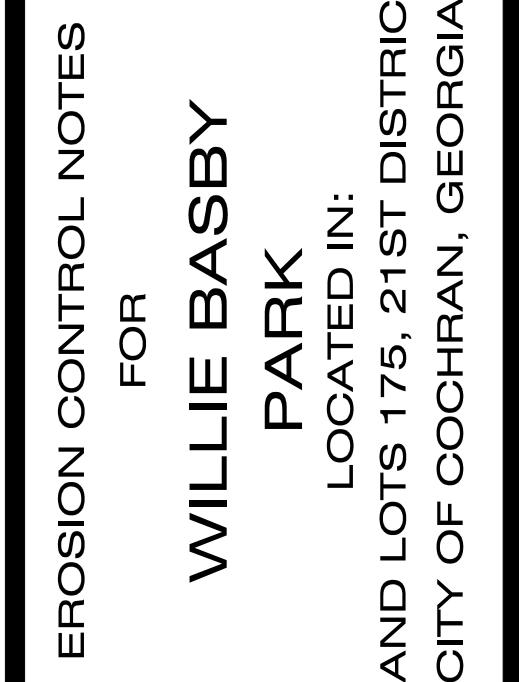
Map Unit Legend			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CnB	Clarendon loamy sand, 0 to 3 percent slopes	4.7	37.9%
KB	Kinston-Bilt association, 0 to 2 percent slopes, frequently flooded	2.5	20.4%
TfB	Tifton loamy sand, 2 to 5 percent slopes	5.1	41.7%
Totals for Area of Interest		12.3	100.0%

STRUCTURAL PRACTICES					STRUCTURAL PRACTICES				
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION	CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
(Cd)	CHECKDAM			A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.	(Spb)	SEEP BERM			A linear control device constructed as a diversion perpendicular to the direction of runoff to enhance dissipation and infiltration of runoff, while creating multiple sedimentation chambers with the employment of intermediate dikes.
(Ch)	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch.	(Sr)	TEMPORARY STREAM CROSSING			A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
(Co)	CONSTRUCTION EXIT			A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.	(St)	STORM DRAIN OUTLET PROTECTION			A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
(Cr)	CONSTRUCTION ROAD STABILIZATION			A travelway constructed as part of a construction plan including access roads, subdivision roads, parking areas, and other on-site vehicle transportation routes.	(Su)	SURFACE ROUGHENING			A rough soil surface with horizontal depressions on a contour of slopes left in a roughened condition after grading.
(Dc)	STREAM DIVERSION CHANNEL			A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.	(Tp)	TOP SOILING			The practice of stripping off the more fertile top soil, storing it, then spreading it over the disturbed area after the completion of construction activities.
(Di)	DIVERSION			An earth channel or dike located above, below, or across a slope to divert runoff. This may be a temporary or permanent structure.	(Tr)	TREE PROTECTION			To protect desirable trees from injury during construction activity.
(Dn1)	TEMPORARY DOWN DRAIN STRUCTURE			A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and inexpensive.	(Wt)	VEGETATED WATERWAY OR STORM WATER CONVEYANCE CHANNEL			Paved or vegetative water outlets for diversions, terraces, berms, dikes or similar structures.
(Dn2)	PERMANENT DOWN DRAIN STRUCTURE			A paved chute, pipe, sectional conduit or similar material designed to safely conduct surface runoff down a slope.					
(Ga)	GABION			Rock filled baskets which are hand placed into position forming soil stabilizing structures.					
(Gr)	GRADE STABILIZATION STRUCTURE			Permanent structures installed to protect channels or waterways where otherwise the slope would be sufficient for the running water to form gullies.					
(Lv)	LEVEL SPREADER			A storm flow outlet device constructed at a zero grade across the slope where concentrated runoff may be discharged at a non-erosive velocity onto undisturbed areas stabilized by existing vegetation.					
(Rd)	ROCK FILTER DAM			A temporary stone filter dam installed across drainageways or in conjunction with a temporary sediment trap.					
(Re)	RETAINING WALL			A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.					
(Rt)	RETROFITTING			A device or structure placed in front of a permanent storm water detention pond outlet structure to serve as a temporary sediment filter.					
(Sd1)	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, or a silt fence.					
(Sd2)	INLET SEDIMENT TRAP			A temporary protective device formed at or around an inlet to a storm drain to trap sediment.					
(Sd3)	TEMPORARY SEDIMENT BASIN			A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.					
(Sd4)	TEMPORARY SEDIMENT TRAP			A small temporary pond that drains a disturbed area so that sediment can settle out. The principle feature distinguishing a temporary sediment trap from a temporary sediment basin is the lack of a pipe or riser.					
(Sk)	FLOATING SURFACE SKIMMER			A buoyant device that releases/drain water from the surface of sediment pond, traps, or basins at a controlled rate of flow.					

FOR FURTHER EXPLANATION OF THE SYMBOLS AND CONSTRUCTION PRACTICES WE REFER YOU TO THE MANUAL FOR SEDIMENTATION AND EROSION CONTROL PER THE "SEDIMENTATION AND EROSION ACT OF 1975 FOR GEORGIA."

SILT STORAGE REQUIREMENTS (ONSITE)	
DISTURBED AREA: 0.67 Ac.	
REQUIRED STORAGE: 67 CY / Ac. * 0.67 = 44.9 CY (1,212.0 CF )	
SILT STORAGE PROVIDED	
STORAGE PER L.F. SILT FENCE INSTALLED	
0.14 CY * 364.36 L.F. = 51.01 CY	
AVAILABLE STORAGE (Sd1-S): 51.01 CY.	
TOTAL SILT STORAGE PROVIDED: 51.01 CY.	

CONSTRUCTION ACTIVITY SCHEDULE ESTIMATED START DATE: MARCH 2026							
INITIAL PHASE	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6	MONTH 7
INSTALL CONSTRUCTION ENTRANCE, SILT FENCE, PONDS, OUTLET PROTECTION, DIVERSION DITCHES AND TREE PROTECTION FENCES							
CLEARING AND GRUBBING							
GRASSING							
MAINTENANCE OF EROSION, SEDIMENTATION, POLLUTION CONTROL, AND TREE PROTECTION MEASURES							
INTERMEDIATE PHASE							
GRADING, STORM DRAIN INSTALLATION, SD2-F, SD2-P AND OUTLET PROTECTION							
INSTALL UNDERGROUND UTILITIES							
GRASSING							
MAINTENANCE OF EROSION, SEDIMENTATION, POLLUTION CONTROL, AND TREE PROTECTION MEASURES							
FINAL PHASE							
CONSTRUCT BUILDING, PAVING AND SIDEWALKS							
FINAL LANDSCAPING AND GRASSING							
MAINTENANCE OF EROSION, SEDIMENTATION, POLLUTION CONTROL, AND TREE PROTECTION MEASURES							



1. THE EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST IS PROVIDED ON SHEET 2.3.  
 2. LEVEL 1 CERTIFICATION, SIGNATURE, AND SEAL OF THE DESIGN PROFESSIONAL IS SHOWN ON ALL SHEETS.  
 3. THE LIMITS OF DISTURBANCE DO NOT EXCEED 50 ACRES. SEE SHEET 2.3 FOR APPENDIX 1 BMP'S AND EPD CERTIFICATION LETTER.  
 4. 24-HOUR CONTACT: RICHARD NEWBORN, PHONE: (478) 534-6346  
 5. PRIMARY PERMITTEE INFORMATION IS PROVIDED ON SHEET 1.0.  
 6. TOTAL SITE AREA: 1.18 ACRES. TOTAL DISTURBED AREA: 0.67 ACRES.  
 7. CONSTRUCTION EXIT LOCATED AT 32.3943° LATITUDE, 83.3665° LONGITUDE. SEE SHEET 4.0 FOR PLAN VIEW.  
 8. THE SITE IS OF THE PUBLIC PARK. THE PLAN ARE SHOWN ON ALL SHEETS.  
 9. THE SITE IS CURRENTLY EXISTING PUBLIC PARK. THE PROPOSED SITE CONDITION IS INSTALLING A WALKING TRAIL.  
 10. A VACINITY MAP IS PROVIDED ON SHEET 1.0.

11. THE PROJECT RECEIVING WATERS ARE UNNAMED TRIBUTARY OF JORDAN CREEK.  
 12. "I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY DIRECTION, AND IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS."  
 13. "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 GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORMWATER 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. GAR100001."  
 14. THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT AND CERTIFY THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION IN ACCORDANCE WITH PART V.A.5.

"I CERTIFY THAT I, AS THE PROFESSIONAL WHO PREPARED THE ES&PC PLAN, WILL INSPECT AND CERTIFY THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER BMP'S SHOWN ON THE APPROVED PLAN WITHIN SEVEN (7) DAYS AFTER INSTALLATION."



DATE: 12/23/15

ENGINEER SIGNATURE:

15. 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.

16. THERE ARE NO BUFFER INTRACHEMENTS ON THE PROPOSED SITE.

17. AMENDMENTS/REVISONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

18. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT CLEANUP AND DISPOSAL OF ALL WASTE MATERIALS (SOIL OR HAZARDOUS) SHALL BE IN ACCORDANCE WITH ALL RECOGNIZED LOCAL AND FEDERAL REQUIREMENTS. ALL DISPOSAL SHALL BE TO APPROVED OFF-SITE WASTE FACILITIES. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE PROVIDED TO THE APPROPRIATE ON-SITE OR OFF-SITE LOCATION. THE INDIVIDUAL WHO MANAGED THE DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

19. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO LAND DISTURBING ACTIVITIES.

20. 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.

21. ANY DISTURBED AREA LEFT EXPOSED FOR LONGER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

22. THE SITE IS WITHIN ONE (1) MILE OF AN IMPAIRED STREAM SEGMENT.

23. THERE IS NOT A TMDL IMPLEMENTATION PLAN FOR AN IMPAIRED STREAM SEGMENT ON THE SITE.

24. WASHOUT OF DIRT AT THE CONSTRUCTION SITE IS PROHIBITED.

25. SPILL CONTROL PLAN: THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP.

\* EMERGENCY CONTACT NUMBERS FOR SPILL CLEANUP AND SPILL REMEDIATION OF ALL PETROLEUM SPILLS AND LEAKS.

\* CALL 911 OR 1-800-424-8888 FOR SPILL CLEANUP.

\* MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE AVAILABLE ON-SITE.

\* MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE AVAILABLE ON-SITE.

\* ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

\* STAFF TRAINED IN SPILL RESPONSE SHALL BE ON CALL AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.

\* THE SPILL RESPONSE TEAM SHALL BE KEPT WELL VENTILATED AND PERSONNEL SHALL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

\* SPILLS OF TOXIC OR HAZARDOUS MATERIAL SHALL BE REPORTED TO THE APPROPRIATE LOCAL OR FEDERAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.

\* THE SPILL PREVENTION PLAN SHALL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES SHALL ALSO BE INCLUDED.

\* THE FOLLOWING MATERIALS ARE ANTICIPATED TO BE PRESENT ON SITE DURING CONSTRUCTION: CONCRETE AND ASPHALT CRUSHER RUN BASE MATERIAL; DETERGENTS, PAINT, VARNISH, AND OTHER LIQUIDS; CONCRETE, STONE, AND OTHER REINFORCED PRODUCTS; CLEANING SOLVENTS; WOOD, MASONRY BLOCK.

\* ALL PETROLEUM PRODUCTS SHALL BE STORED AND USED IN AN AREA THAT PROVIDES A SECONDARY CONTAINMENT FEATURE, AND SHALL BE LOCATED IN AN AREA WITH THE LEAST FORESEEABLE IMPACT IF A CATASTROPHIC EVENT SHOULD OCCUR. EMERGENCY CONTACT NUMBERS AND PROCEDURES FOR SPILLS SHALL BE AVAILABLE ON-SITE.

\* WASTE DISPOSAL: SOLID MATERIALS INCLUDING BUILDING MATERIALS SHALL BE DISPOSED OFF-SITE AND THEREFORE WILL NOT BE DISCHARGED TO WATERS OF THE STATE FROM THE CONSTRUCTION SITE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

\* ALL POTENTIAL POLLUTANTS IDENTIFIED, INCLUDING PETROLEUM PRODUCT STORAGE, CONCRETE HANDLING, HERBICIDES AND ANY OTHER POLLUTANTS WHICH HAVE THE POTENTIAL TO BE EXPOSED TO RAINFALL AND BE DISCHARGED IN THE STORM WATER RUNOFF. PRACTICES WILL BE IMPLEMENTED TO ENSURE THE REDUCTION OF THESE POLLUTANTS IN STORM WATER DISCHARGES.

26. THE INSTALLATION AND MAINTENANCE OF ALL PROPOSED WATER QUALITY PONDS SHALL EFFECTIVELY PREVENT ANY POTENTIAL POLLUTANTS FROM ENTERING STATE WATERS AFTER CONSTRUCTION ACTIVITIES ARE COMPLETE IN ACCORDANCE WITH THE 2016 EDITION OF THE GEORGIA STORM WATER MANAGEMENT MANUAL. PLEASE REFER TO THE ACCOMPANYING HYDROLOGY STUDY FOR FURTHER DETAILS. ADDITIONAL POLLUTION CONTROL MEASURES FOR THE SITE INCLUDE PROPER WASTE DISPOSAL, PROPER MANAGEMENT OF VEHICLES AND EQUIPMENT, PROPER SEWER DISPOSAL, EROSION FROM EGRESSES, SANITARY SEWAGE DISPOSAL AND ON-SITE VEHICLE STORAGE AND MAINTENANCE. NO DEBRIS THAT IS GENERATED SHALL BE BURIED ON-SITE.

27. FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE, PROVIDE COVER (E.G. PLASTIC SHEETING, TEMPORARY ROOFS) TO MINIMIZE THE EXPOSURE OF THESE PRODUCTS TO PRECIPITATION AND TO STORM WATER, OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THESE AREAS. MINIMIZATION OF EXPOSURE IS NOT REQUIRED FOR MATERIALS THAT ARE EXPOSED TO THE ELEMENTS IN DISCHARGE LOCATIONS OR AREAS WHERE THE ELEMENTS ARE NOT IN DIRECT CONTACT WITH THE MATERIAL OR PRODUCT. PETROLEUM PRODUCTS ARE NOT ALLOWED FOR OUTDOOR USE.

28. THE INSTALLATION AND MAINTENANCE OF ALL PROPOSED SKIMMERS, SEDIMENT BARRIERS, SEDIMENT BASINS, STORM WATER PONDS, DIVERSIONS, AND OUTFALL CHANNELS SHALL EFFECTIVELY PREVENT ANY POTENTIAL POLLUTANTS FROM ENTERING STATE WATERS DURING CONSTRUCTION ACTIVITIES PRIOR TO FINAL STABILIZATION. ADDITIONAL POLLUTION CONTROL MEASURES FOR THE SITE SHALL INCLUDE PROPER WASTE DISPOSAL, PROPER MANAGEMENT OF CHEMICAL STORAGE TANKS, EROSION FROM EGRESSES, SANITARY SEWER DISPOSAL, AND ON-SITE VEHICLE STORAGE AND MAINTENANCE. NO DEBRIS THAT IS GENERATED SHALL BE BURIED ON-SITE.

29. SEE SHEET 2.1 FOR A CHART OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES FOR SOIL DISTURBANCE ON-SITE.

30. INSPECTION REQUIREMENTS: PERMIT NO. GAR100001 PART IV.D.4.A

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 PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT AND (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

(2) MEASURE AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED 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 LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS: (A) DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION; (B) THE AREAS THAT HAVE NOT BEEN FINAL STABILIZED OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A Seeding OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE INSPECTIONS SHALL BE CONDUCTED UNTIL THE SITE HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THIS PERMIT.

31. SAMPLING FREQUENCY REQUIREMENTS: PERMIT NO. GAR100001 PART IV.D.6.D

(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 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 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 BMP'S 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-RAIN EVENT INSPECTIONS DETERMINE THAT BMP'S 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.

(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.

SAMPLING REPORTING REQUIREMENTS: PERMIT NO. GAR100001 PART IV.E

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) FOLLOWING 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.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 EPD DISTRICT OFFICE OR DELIVER/RECEIVE EMAIL TO THE APPROPRIATE EPD DISTRICT OFFICE RESOURCE MAILBOX 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.

4. RETENTION OF RECORDS: PERMIT NO. GAR100001 PART IV.F

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 II.D. OF THIS PERMIT; AND

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

5. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE EPD DISTRICT OFFICE OR DELIVER/RECEIVE EMAIL TO THE APPROPRIATE EPD DISTRICT OFFICE RESOURCE MAILBOX 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.

6. E. ENSURE TEMPORARY VEGETATION AND SLOPE STABILIZATION MEASURES ARE IN PLACE FOR ALL DISTURBED AREAS. ENSURE THAT RIVER REMAINS UNDISTURBED AT ALL TIMES.

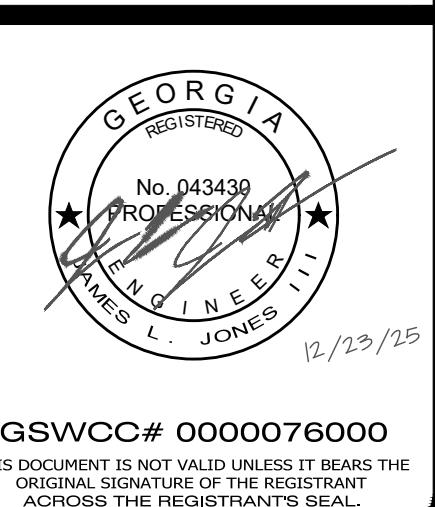
F. SCHEDULE INSPECTION WITH PROJECT DESIGN PROFESSIONAL.

THE INTERMEDIATE AND FINAL PHASES OF THE ES&PC PLAN SHALL BE STAGED AS FOLLOWS:

A. INSPECT AND MAINTAIN ALL EXISTING BMP'S.



DATE	12/23/25
SCALE	N/A
PROJ NUMBER	010.010
DRAWN BY	EHL
REVIEWED BY	-
REVISED BY	-



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ORIGINAL SIGNATURE OF THE REGISTRANT  
ACROSS THE REGISTRANT'S SEAL.

Map Scale	Ground Slope	Contour Intervals, ft.
1 inch = 100 ft or larger scale	Flats - 2%	0.5 or 1
	Rolling 2 - 8%	1 or 2
	Step 8% +	2.5 or 10



## LEGEND

	<u>PROPOSED</u>	<u>EXISTING</u>
RIGHT-OF-WAY	R/W	R/W
BOUNDARY LINE	_____	_____
PROPERTY LINE	_____ - - -	_____ - - -
CURB & GUTTER	_____	=====
EASEMENT	- - - - -	- - - - -
BUILDING	_____	_____
SIDEWALK		
FENCE	- - X - - X -	- - X - - X -
FIRE HYDRANT		
WATER VALVE		
WATER METER		
WEIR INLET		
JUNCTION BOX		
SANITARY SEWER MANHOLE		
SINGLE WING CATCH BASIN		
DOUBLE WING CATCH BASIN		
STORM PIPE		
SEWER PIPE	SS	SS
WATER MAIN	W	W
CONTOUR (MAJOR)	000	000
CONTOUR (MINOR)	000	000
DRAINAGE BASIN LINE		

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FOR  
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LOCATED IN:  
LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA

1

Call before  
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322-7411 THROUG  
OR DIAL 8

A graphic on the right side of the page. It features a grid of vertical lines on the left side. To the right of the grid is a circular logo. Inside the circle is a stylized figure of a person sitting and holding a telephone receiver. Above the figure, the word 'Know' is written in a serif font. To the right of the figure, the word 'UTILITIES' is written in a bold, sans-serif font. Below the figure, the phone number '1 (800) 222-1234' is written in a smaller sans-serif font.

DATE:	12/23/25
CALE:	1" = 30'
ROJ NUMBER:	010.010
DRAWN BY:	EHL
EWIEWED BY:	-
EVISED BY:	-

A large, faint watermark of the state seal of Georgia is positioned in the background of the page. The seal features a central shield with a plow, a sheaf of wheat, and a cotton plant, surrounded by a circular border with the word "CONSTITUTION" and the date "1776". Above the shield is a crest with a plow and a sheaf, and a motto at the bottom.

A circular registration stamp. At the top, it says "No. 043430". In the center, it says "PROFESSIONAL". At the bottom, it says "JAMES L. JONES". There are two stars, one on the left and one on the right. A large, blue, handwritten signature is written across the center of the stamp. In the bottom right corner of the stamp, there is a blue handwritten date: "12/23/25".

GSWCC# 0000076000

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ORIGINAL SIGNATURE OF THE REGISTRANT  
ACROSS THE REGISTRANT'S SEAL.

113

3.0

This architectural site plan illustrates a property layout with various buildings, infrastructure, and boundary lines. Key features include:

- EXISTING ONE-STORY BRICK & FRAME BUILDING:** Located in the center, spanning 1.99 acres (86,758 sq. ft.). It includes A/C UNITS ON CONCRETE PAD.
- EXISTING PARKING LOT:** Adjacent to the main building, containing several parking spaces and a FLAGPOLE.
- EXISTING METAL BUILDING:** Located on the left side of the property.
- EXISTING BASKETBALL COURT:** Located on the right side of the property.
- BLEACHERS:** Located near the basketball court.
- SHEDS:** Located on the right side of the property.
- DEMOLITION AREAS:** Indicated by shaded regions for DEMO GRAVEL DRIVE (APPROX. 0.72 SQ FT) and DEMO PAVEMENT DRIVE (APPROX. 0.24 SQ FT).
- WATER FEATURES:** Indicated by cyan dashed lines labeled "GW" (Ground Water) and "SS" (Soil Strata).
- BOUNDARY LINES:** Boundary lines are marked with "E" (East) and "S" (South) arrows, and specific coordinates are provided for the corners:
  - N45°17'30"E 227.78'
  - S43°46'30"E 194.82'
  - S43°40'00"E 80.20'
  - S43°48'00"E 105.88'
  - S45°18'00"W 227.84'
  - I43°45'00"W 380.87'
- Other Labels:** Includes "CONCRETE WALKWAY", "AC", "GATE", "SIGN", "FLAGPOLE", "BENCH", "GW", "SS", "UE", and "336" through "347".

A note on the top right states: "EXISTING MOBILE HOME ENCROACHES INTO CITY PROPERTY".

**GRAPHIC SCALE**

0      15      30      60

( IN FEET )

1 inch = 30 ft.

MAGNETIC NORTH



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FOR  
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PARK  
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LEGEND	
	PROPOSED EXISTING
RIGHT-OF-WAY	R/W R/W
BOUNDARY LINE	— - - - -
PROPERTY LINE	— - - - -
CURB & GUTTER	— - - - -
EASEMENT	- - - - -
BUILDING	— - - - -
SIDEWALK	— - - - -
FENCE	— - - - -
FIRE HYDRANT	○
WATER VALVE	○
WATER METER	○
WEIR INLET	○
JUNCTION BOX	○
SANITARY SEWER MANHOLE	○
SINGLE WING CATCH BASIN	○
DOUBLE WING CATCH BASIN	○
STORM PIPE	— - - - -
SEWER PIPE	— - - - -
WATER MAIN	— - - - -
CONTOUR (MAJOR)	— - - - -
CONTOUR (MINOR)	— - - - -
DRAINAGE BASIN LINE	— - - - -
EROSION CONTROL LEGEND	
SILT FENCE	— SF —
TREE PROTECTION	— TP —
LIMITS OF DISTURBANCE	- - - - -
EROSION CONTROL SYMBOLS (SEE SHEET 2.1 FOR LEGEND)	XXX XXX
CHECK DAM (STRAW BALE)	— - - - -
INLET SEDIMENT TRAP	○

EROSION CONTROL NOTES

- 24 HOUR CONTACT: RICHARD NEWBORN PHONE: (478) 534-6346
- TOTAL SITE ACREAGE 1.18 ACRES / TOTAL DISTURBED ACREAGE 0.67 ACRES.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- THIS SITE IS NOT WITHIN 1 LINEAR MILE OF AN IMPAIRED STREAM SEGMENT.

EXISTING SITE CONDITIONS:  
THE SITE IS EXISTING PUBLIC PARK

PROPOSED SITE CONDITIONS:  
INSTALLING A WALKING TRAIL

RECEIVING WATERS:  
UNNAMED TRIBUTARY

REVISIONS	(B)
DATE	12/23/25
SCALE	1" = 30'
PROJ NUMBER	010.010
DRAWN BY	EHL
REVIEWED BY	-
REVISED BY	-

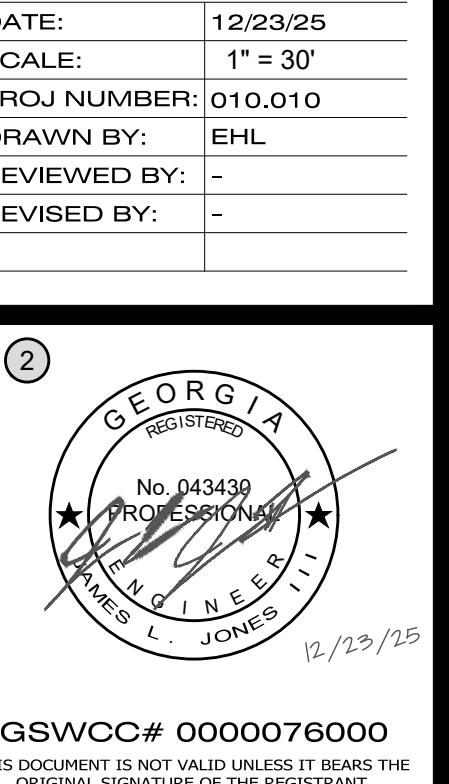
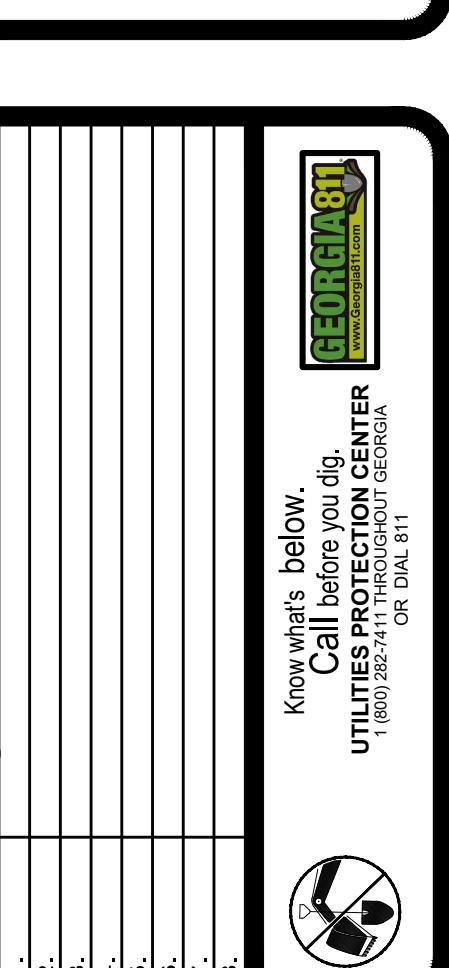
GEORGIA  
REGISTERED  
PROFESSIONAL  
ENGINEER  
No. 043439  
JAMES L. JONES, P.E.  
12/23/25

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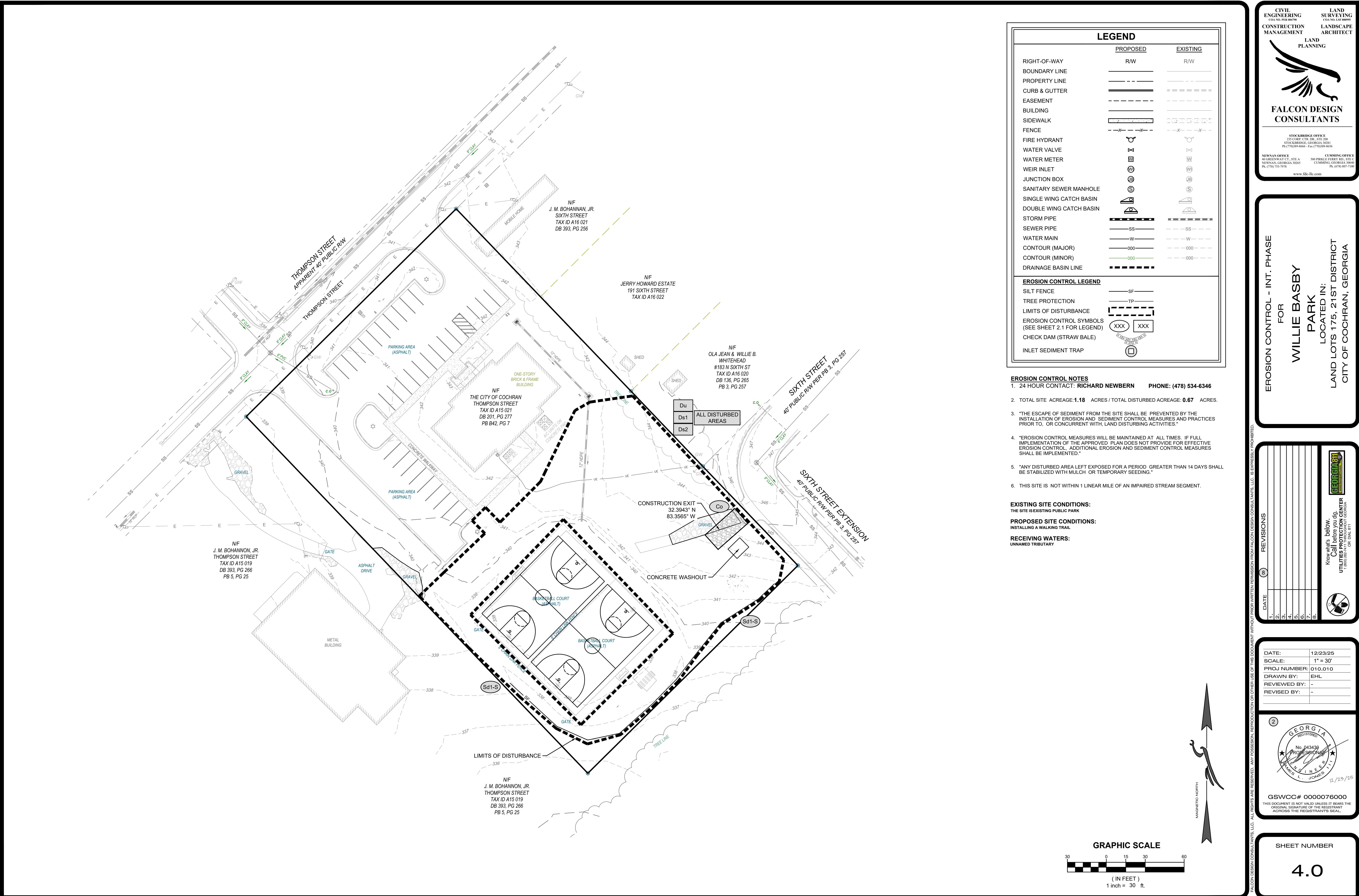
GRAPHIC SCALE

0 15 30 60  
(IN FEET)  
1 inch = 30 ft.

MAGNETIC NORTH



SHEET NUMBER  
4.0



## END

	<u>PROPOSED</u>	<u>EXISTING</u>
RIGHT-OF-WAY	R/W	R/W
BOUNDARY LINE	—————	—————
PROPERTY LINE	— - - - -	— - - - -
CURB & GUTTER	—————	=====
EASEMENT	— - - - -	— - - - -
BUILDING	—————	—————
SIDEWALK	████████████████	████████████████
FENCE	- - X - - X -	- - X - - X -
FIRE HYDRANT	◐	◐
WATER VALVE	☒	☒
WATER METER	☒	☒
WEIR INLET	◐WI◐	◐WI◐
JUNCTION BOX	◐JB◐	◐JB◐
SANITARY SEWER MANHOLE	◐S◐	◐S◐
SINGLE WING CATCH BASIN	████	████
DOUBLE WING CATCH BASIN	████	████
STORM PIPE	████████████████	████████████████
SEWER PIPE	— SS —	— SS —
WATER MAIN	— W —	— W —
CONTOUR (MAJOR)	— 000 —	— 000 —
CONTOUR (MINOR)	— 000 —	— 000 —
DRAINAGE BASIN LINE	— - - - -	— - - - -
<b>EROSION CONTROL LEGEND</b>		
SILT FENCE	— SF —	
TREE PROTECTION	— TP —	
LIMITS OF DISTURBANCE	— - - - -	
EROSION CONTROL SYMBOLS (SEE SHEET 2.1 FOR LEGEND)	XXX	XXX
CHECK DAM (STRAW BALE)		
INLET SEDIMENT TRAP		

## **MISSION CONTROL NOTES**

4 HOUR CONTACT: RICHARD NEWBERN      PHONE: (478) 534-6346

TOTAL SITE ACREAGE: **1.18** ACRES / TOTAL DISTURBED ACREAGE: **0.67** ACRES.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE  
INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES  
PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES."

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL  
IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE  
EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES  
SHALL BE IMPLEMENTED."

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL  
BE STABILIZED WITH MULCH OR TEMPORARY SEEDING."

THIS SITE IS NOT WITHIN 1 LINEAR MILE OF AN IMPAIRED STREAM SEGMENT.

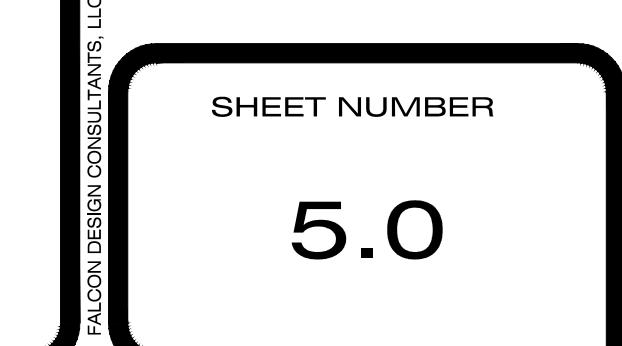
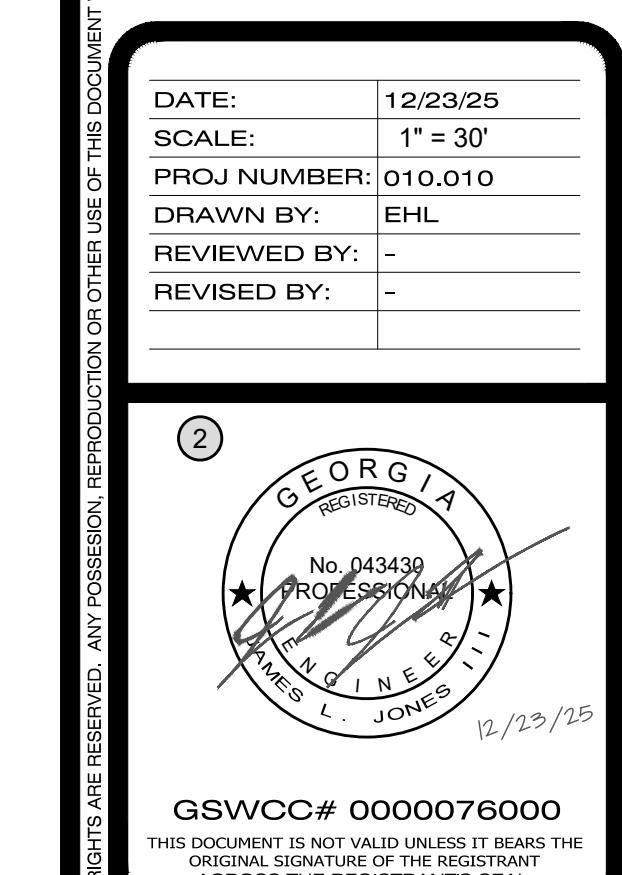
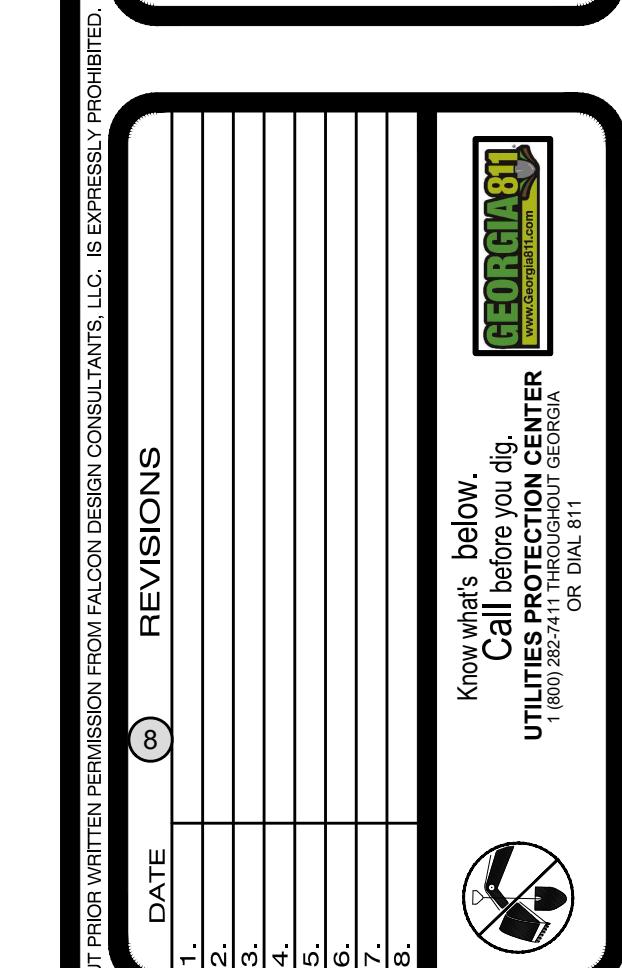
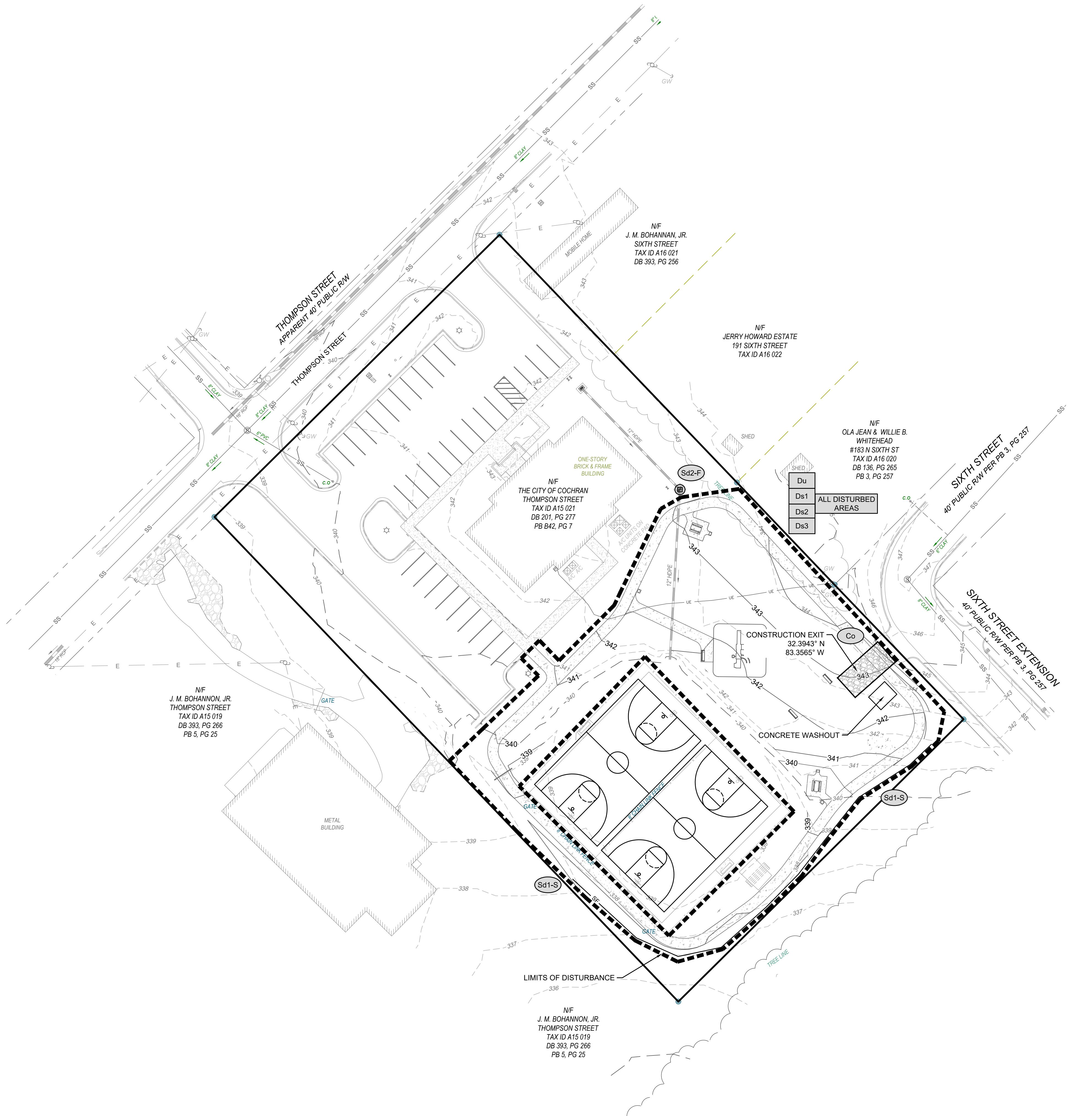
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## **POSED SITE CONDITIONS:**

## SELLING A WALKING TRAIL

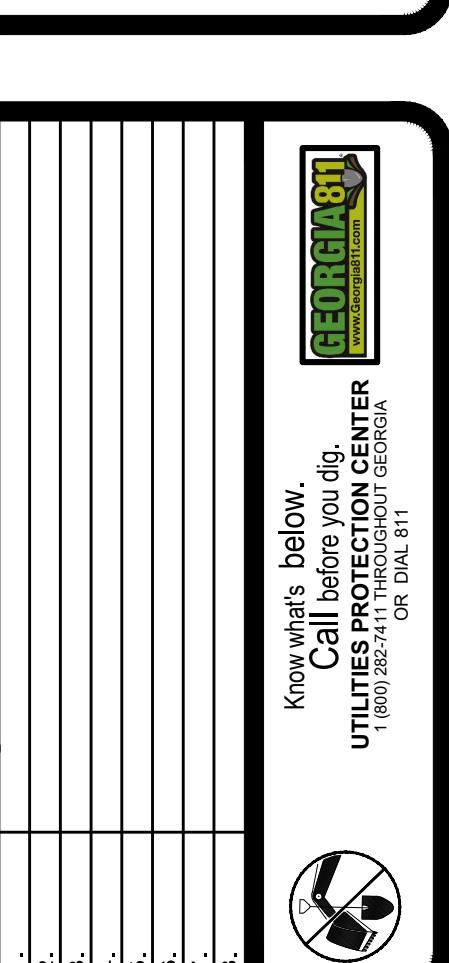
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## **MED TRIBUTARY**

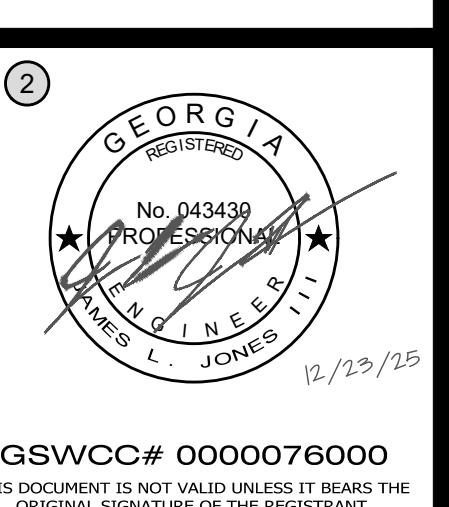


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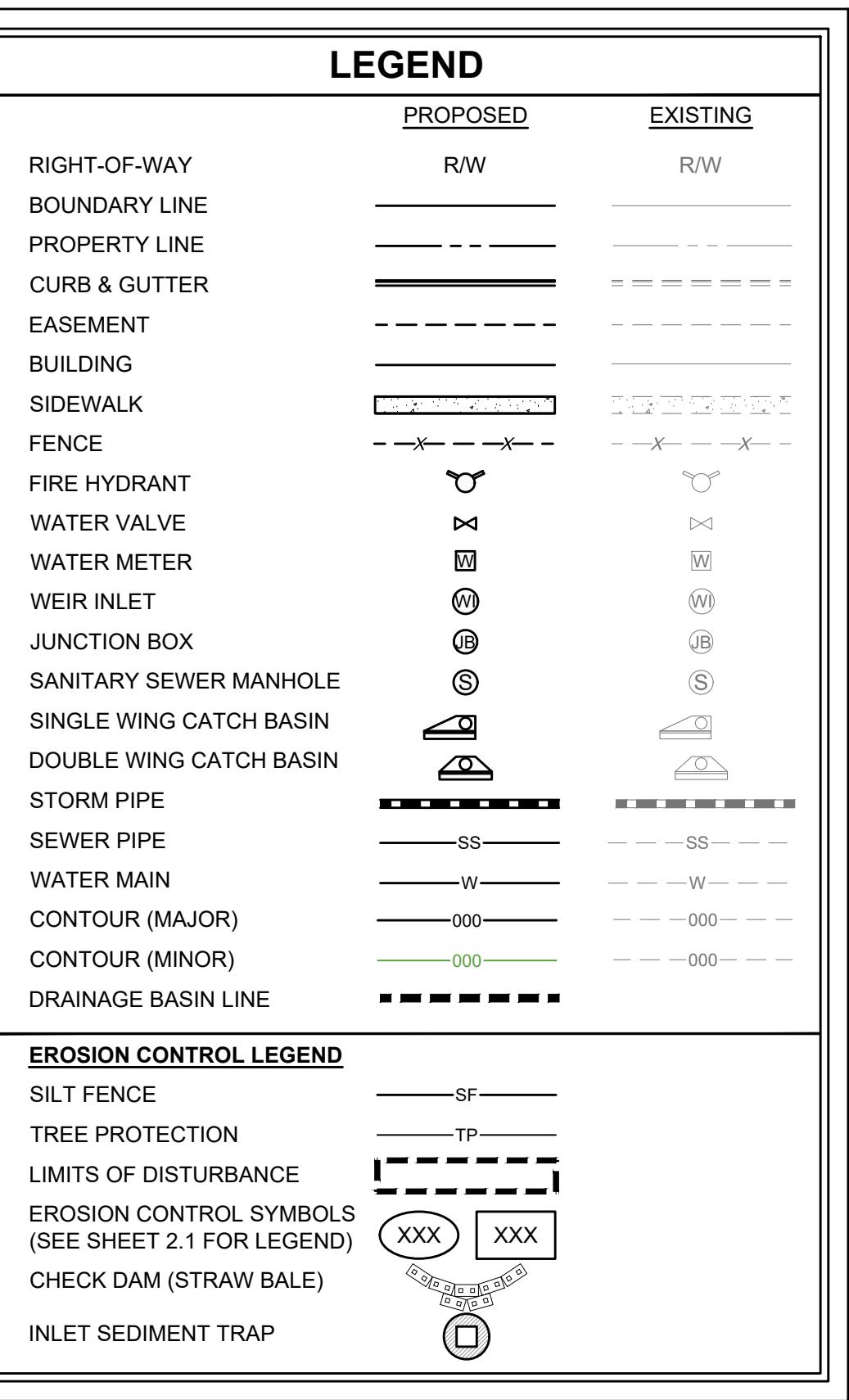
EROSION CONTROL - FINAL PHASE  
FOR  
WILLIE BASBY  
PARK  
LOCATED IN:  
LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA



REVISIONS  
DATE: 12/23/25  
SCALE: 1" = 30'  
PROJ NUMBER: 010.010  
DRAWN BY: EHL  
REVIEWED BY: -  
REVISED BY: -



GRAPHIC SCALE  
0 15 30 60  
(IN FEET)  
1 inch = 30 ft.  
SHEET NUMBER  
6.0



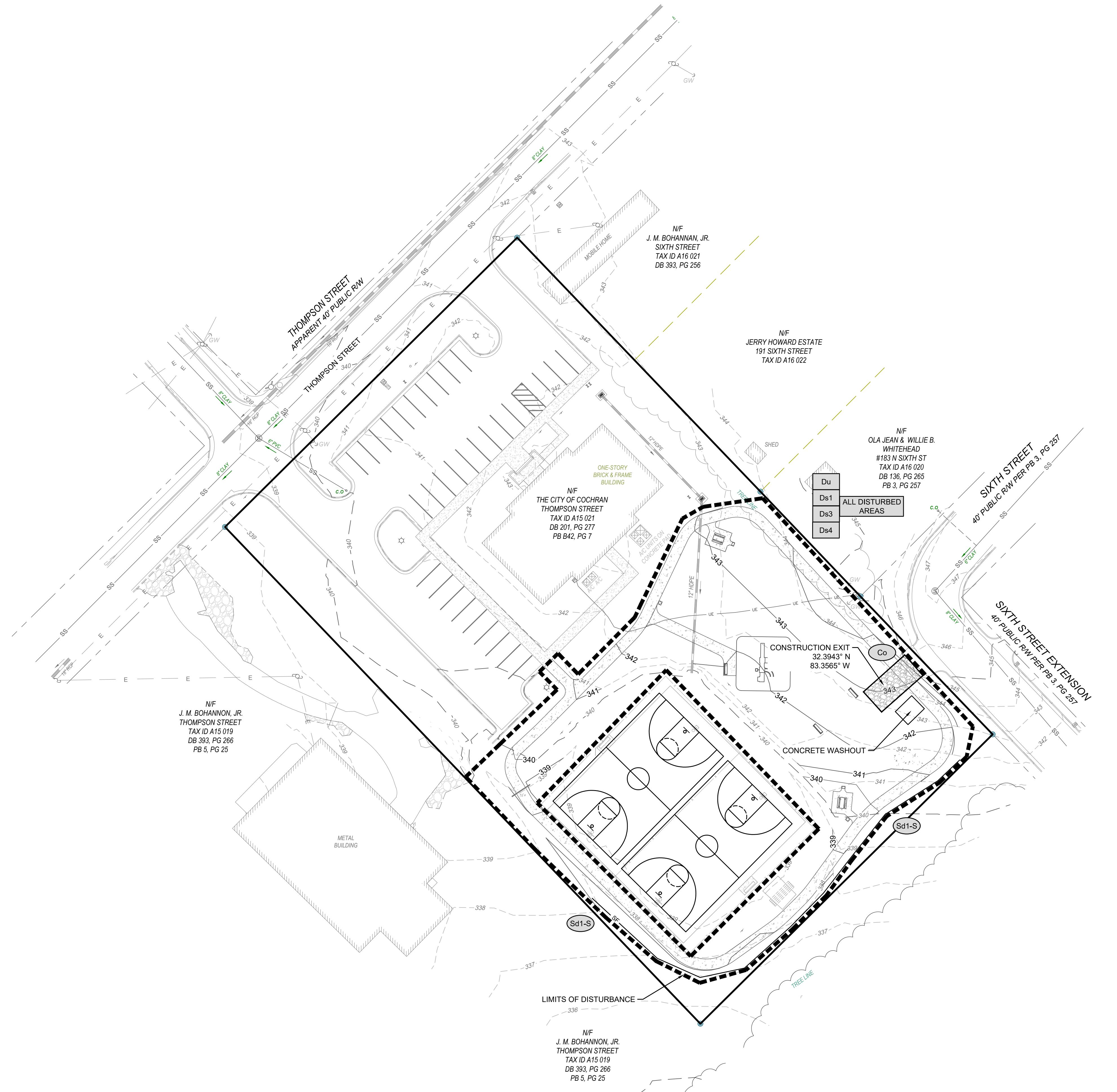
**EROSION CONTROL NOTES**

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**EXISTING SITE CONDITIONS:**  
THE SITE IS EXISTING PUBLIC PARK

**PROPOSED SITE CONDITIONS:**  
INSTALLING A WALKING TRAIL

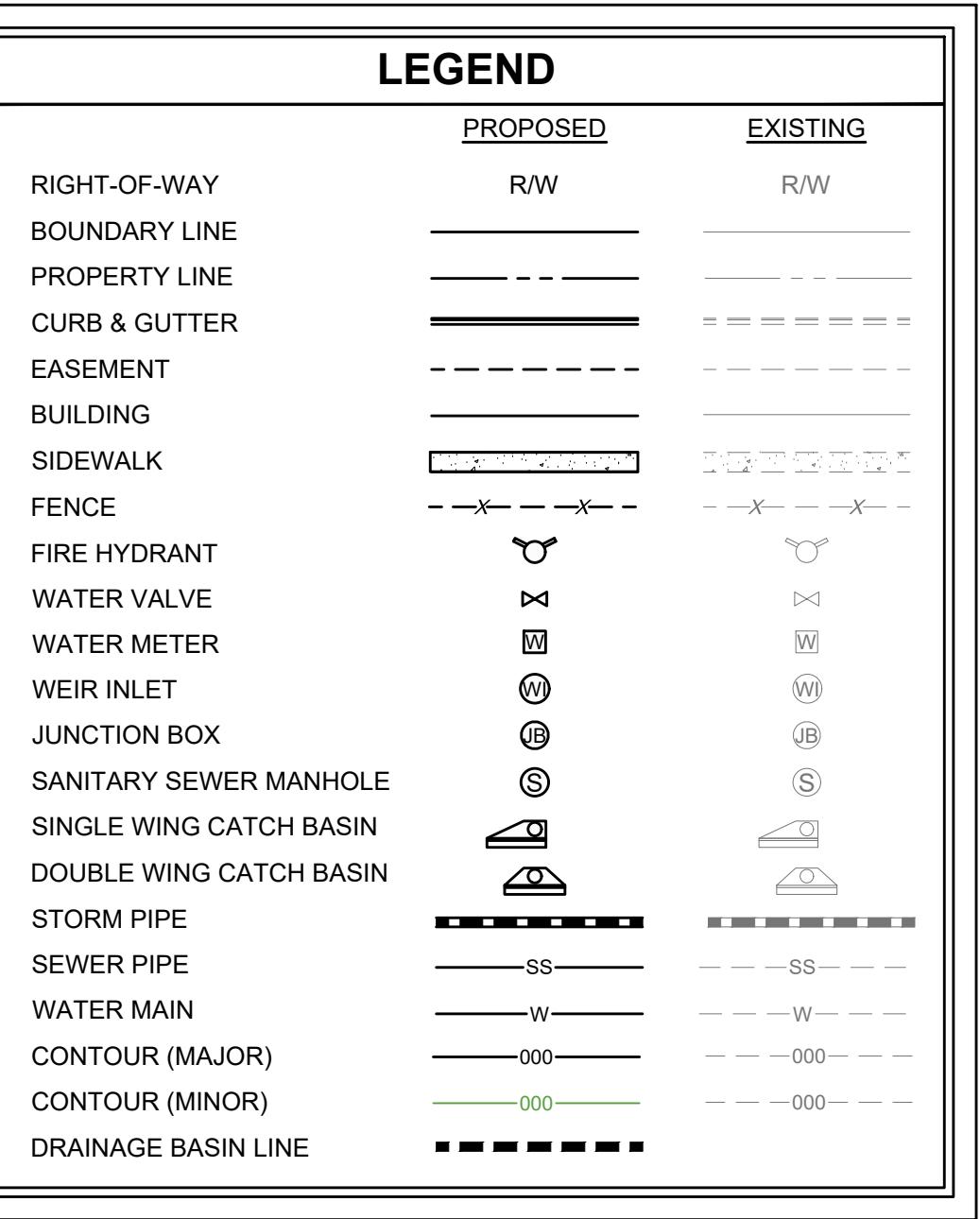
**RECEIVING WATERS:**  
UNNAMED TRIBUTARY OF JORDAN CREEK





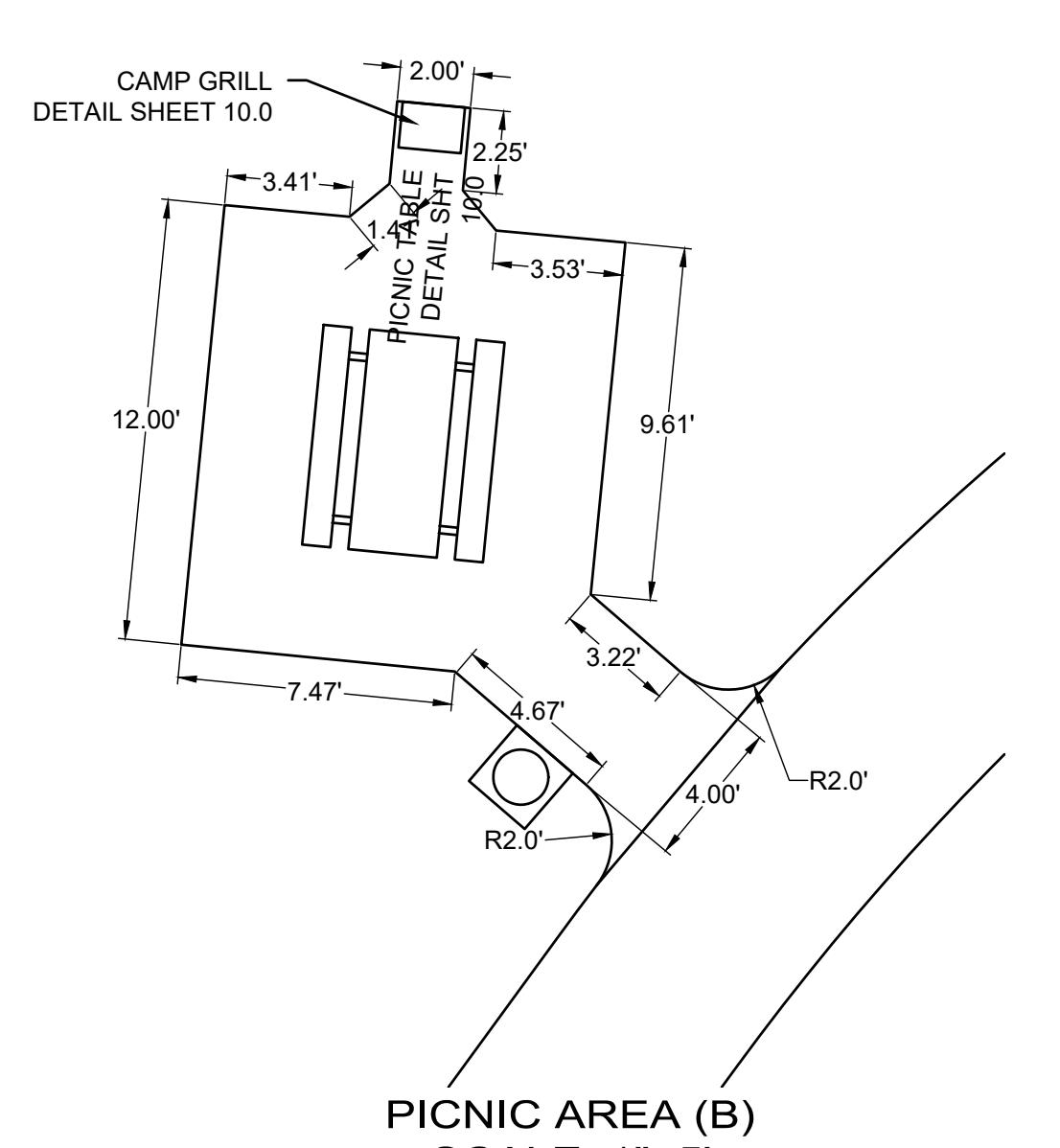
FOR  
WILLIE BASBY  
PARK  
LOCATED IN:  
LAND LOTS 175, 21ST DIST.  
CITY OF COCHRAN, GEORGIA

LOCATED IN:  
LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA

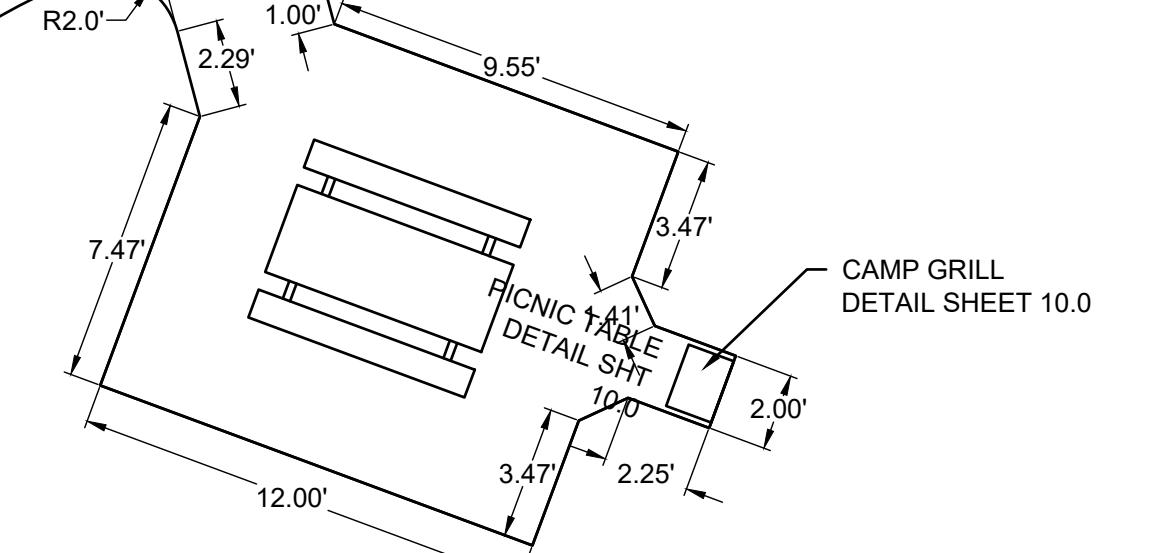
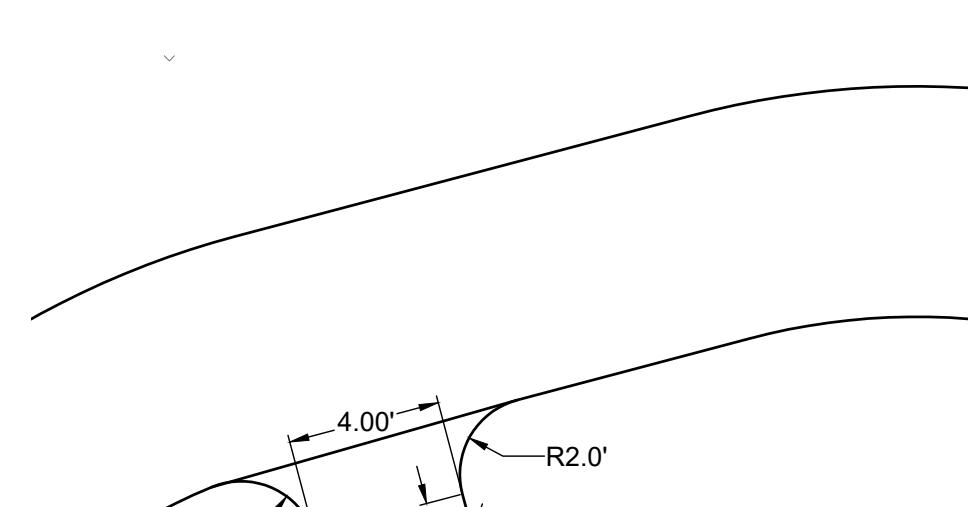


**DEVELOPMENT NOTES:**

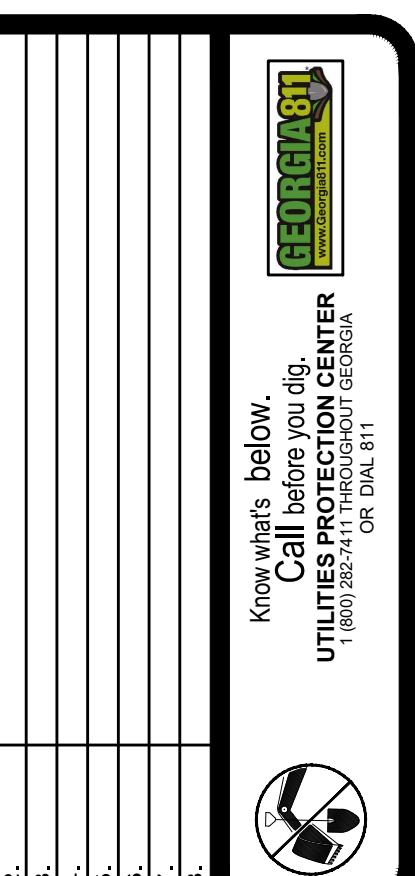
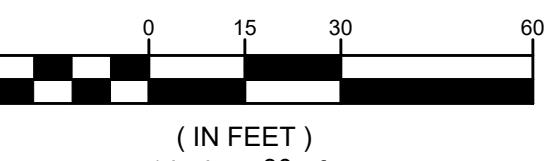
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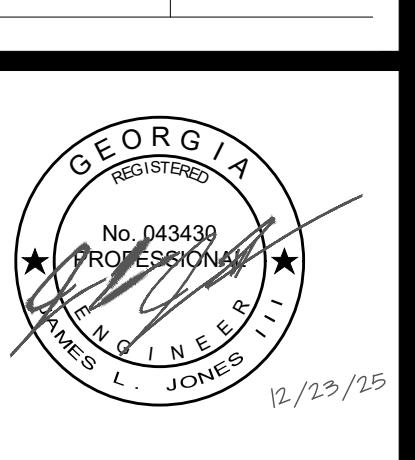
## PICNIC AREA (B)



**PICNIC AREA (A)**  
**SCALE: 1"=5'**



2	3	4	5	6	7	8
TE:	12/23/25					
ALE:	1" = 30'					
OJ NUMBER:	010.010					
AWN BY:	EHL					
VIEWED BY:	-					
ISED BY:	-					



**SWCC# 0000076000**

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ACROSS THE REGISTRANT'S SEAL.

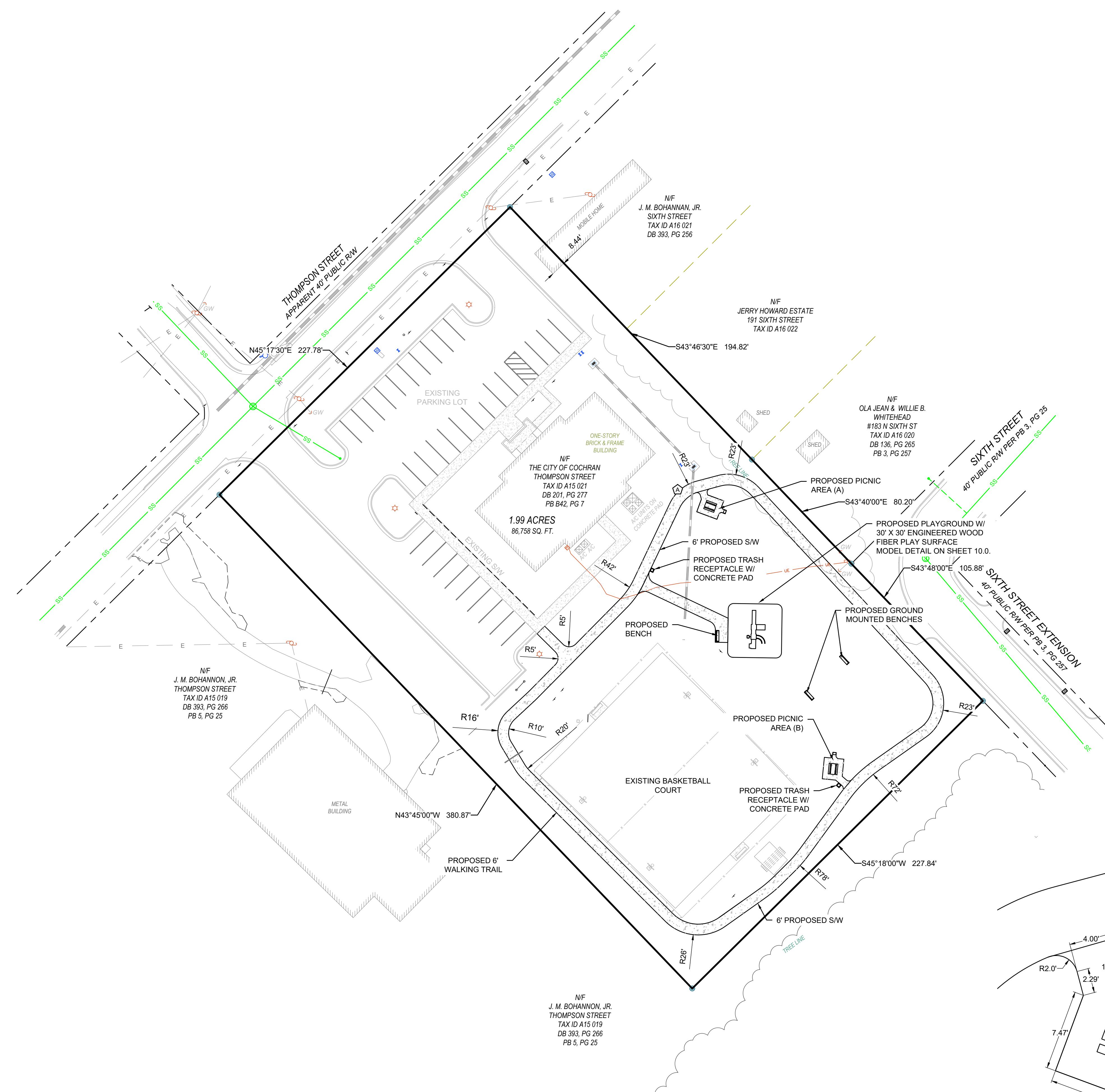
10 of 10

SHEET NUMBER

10. *Journal of the American Statistical Association*, 1990, 85, 200-209.

30

7.0



p:\Projects\city of cochran\010.010 willie basby park design (to no. 2025.06)\engineering\DWG\STE00.dwg, JJones, Wed, Dec 24, 2025 - 12:00





FALCON DESIGN  
CONSULTANTS

STOCKBRIDGE OFFICE  
210 CORP CT, BLDG 100, STE 200  
STOCKBRIDGE, GEORGIA 30518  
Ph (770)389-8666 • Fax (770)389-8556

NEWNAN OFFICE  
100 DEADERICK ST, STE A  
NEWNAN, GEORGIA 30265  
Ph (770) 755-7978

www.fdc-llc.com

CUMMING OFFICE  
500 PERIN DR, BLDG 100, STE C  
CUMMING, GEORGIA 30040  
Ph (678) 807-7100

EROSION DETAILS  
FOR  
WILLIE BASBY  
PARK  
LOCATED IN:  
LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA

Known as below,  
Call **1-800-541-2323** or dial 811  
UTILITIES INFORMATION CENTER

DATE	REVISIONS
1-01-01	1-01-01

DATE: 12/23/25
SCALE: N/A
PROJ NUMBER: 010.010
DRAWN BY: EHL
REVIEWED BY: -
REVISED BY: -

GEORGIA  
REGISTERED  
LAND  
SURVEYOR  
No. 043439  
JAMES L. JONES, PLS  
12/23/25

DATE: 12/23/25
SCALE: N/A
PROJ NUMBER: 010.010
DRAWN BY: EHL
REVIEWED BY: -
REVISED BY: -

GSWCC # 000076000

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SHEET NUMBER

9.0

measure that should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment that may produce the desired effect.

**Irrigation.** This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet. Repeat as needed.

**Barriers.** Solid board fences, snowfences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion.

**Calcium Chloride.** Apply at rate that will keep surface moist. May need retreatment.

#### B. Permanent Methods

**Permanent Vegetation.** See specification Ds3 - Disturbed Area Stabilization (With Permanent Vegetation) Existing trees and large shrubs may afford valuable protection if left in place.

**Topsoiling.** This entails covering the surface with less erosive soil material. See specification TP - Topsoiling.

**Stone.** Cover surface with crushed stone or coarse gravel. See specification Cr-Construction Road Stabilization.

### Dust Control on Disturbed Areas



Du

**DEFINITION**  
Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

#### PURPOSE

- To prevent surface and air movement of dust from exposed soil surfaces.
- To reduce the presence of airborne substances that may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

#### CONDITIONS

This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

#### METHOD AND MATERIALS

##### A. Temporary Methods

**Mulches.** See standard Ds1 - Disturbed Area Stabilization (With Mulching Only). Synthetic resins may be used instead of asphalt to bind mulch material. Refer to specification Tac - Tackifiers. Resins should be used according to manufacturer's recommendations.

**Vegetative Cover.** See specification Ds2 - Disturbed Area Stabilization (With Temporary Seeding).

**Spray-on Adhesives.** These are used on mineral soils (not effective on muck soils). Keep traffic off these areas. Refer to specification Tac - Tackifiers.

**Tillage.** This practice is designed to roughen and bring clods to the surface. It is an emergency

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DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		MATERIAL AND RATES											
STRAW OR HAY		2-4" DEEP											
WOOD WASTE, CHIPS, SAW DUST OR BARK		2-3" DEEP											
POLYETHYLENE FILM		COMPLETELY COVER AREA											

#### SEEDING RATES FOR TEMPORARY SEEDINGS<sup>1</sup>

Species	Broadcast Rates	Resource Area <sup>2</sup>	Planting Dates by Resource Area												Remarks
			Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.												
BARLEY <i>Hordeum vulgare</i>	3 bu. (144 lbs) 3.3 lbs 1/2 bu. (24 lbs) 0.6 lb	M-L P C	14,000 seed per pound. Winter hardy. Use on productive soils.												
LESPEDEZA, ANNUAL <i>Lespedeza striata</i>	40 lbs 0.9 lb 10 lbs 0.2 lb	M-L P C	200,000 seed per pound. May volunteer for several years. Use inoculant EL.												
LOVEGRASS, WEEPING <i>Eragrostis curvula</i>	4 lbs 0.1 lb 2 lbs 0.05 lb	M-L P C	1,500,000 seed per pound. May last for several years. Mix with <i>Sericea lespedeza</i> .												
MILLET, BROWNTOP <i>Panicum fasciatum</i>	40 lbs 0.9 lb 10 lbs 0.2 lb	M-L P C	137,000 seed per pound. Quick dense cover. Will provide excessive competition in mixtures if seeded at high rate.												
MILLET, PEARL <i>Pennisetum glaucum</i>	50 lbs 1.1 lbs	M-L P C	88,000 seed per pound. Quick dense cover. May reach 5 feet in height. not recommended for mixtures.												
OATS <i>Avena sativa</i>	4 bu. (128 lbs) 2.9 lbs 1 bu. (32 lbs) 0.7 lb	M-L P C	13,000 seed per pound. Use on productive soils. Not as winter hardy as rye or barley.												
RYE <i>Secale cereale</i>	3 bu. (168 lbs) 3.9 lbs 1/2 bu. (28 lbs) 0.6 lb	M-L P C	18,000 seed per pound. Quick cover. Drought tolerant and winter hardy.												
RYEGRASS, ANNUAL <i>Lolium temulentum</i>	40 lbs 0.9 lb	M-L P C	227,000 seed per pound. Dense cover. Very competitive and is not to be used in mixtures.												
SUDANGRASS <i>Sorghum sudanense</i>	60 lbs 1.4 lbs	M-L P C	55,000 seed per pound. Good on droughty sites. Not recommended for mixtures.												
TRITICALE <i>X.Triticosecale</i>	3bu. (144 lbs) 3.3 lbs 1/2 bu. (24 lbs) 0.6 lb	C	Use on lower part of Southern Coastal Plain and Atlantic Coastal Flatwoods only.												
WHEAT <i>Triticum aestivum</i>	3bu. (180 lbs) 4.1 lbs 1/2 bu. (30 lbs) 0.7 lb	M-L P C	15,000 seed per pound. Winter hardy.												

<sup>1</sup>Temporary cover crops are very competitive and will crowd out perennials if seeded too heavily.

<sup>2</sup>Reduce seeding rates by 50% when drilled.

M-L represents the Mountain; Blue Ridge; and Ridges and Valleys MLRAs  
P represents the Southern Piedmont MLRA  
C represents Southern Coastal Plain; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs (see Figure 6-4, p. 6-40 of the Georgia Manual for Sedimentation and Erosion Control, 2014)

#### Ds4 DISTURBED AREA STABILIZATION (WITH SOD)

##### TABLE 6-6.2 SOD PLANTING REQUIREMENTS

GRASS	VARIETIES	RESOURCE AREA	GROWING SEASON
BERMUDAGRASS	COMMON TIFWAY TIFGREEN TIFAWN	M-L, P, C P, C P, C	WARM WEATHER
BAHIAGRASS	PENSACOLA	P, C	WARM WEATHER
CENTIPEDE	-	P, C	WARM WEATHER
ST. AUGUSTINE	COMMON BITTERBLUE RALEIGH	C	WARM WEATHER
ZOYSIA	EMERALD MYER	P, C	WARM WEATHER
TALL FESCUE	KENTUCKY	M-L, P	COOL WEATHER

##### TABLE 6-6.3 FERTILIZER REQUIREMENTS FOR SOD

TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (lbs./acre)	NITROGEN TOP DRESSING RATE (lbs./acre)
COOL SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 1000 400	50-100 - 30
WARM SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 50-100 30

<sup>1</sup>Reduce seeding rates by 50% when drilled.

<sup>2</sup>PLS is an abbreviation for Pure Live Seed. Refer to Section V.E. of these specifications.

M-L represents the Mountain; Blue Ridge; and Ridges and Valleys MLRAs

P represents the Southern Piedmont MLRA

C represents Southern Coastal Plain; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs

(see Figure 6-4, p. 6-40 of the Georgia Manual for Sedimentation and Erosion Control, 2014)

#### Construction Exit Co

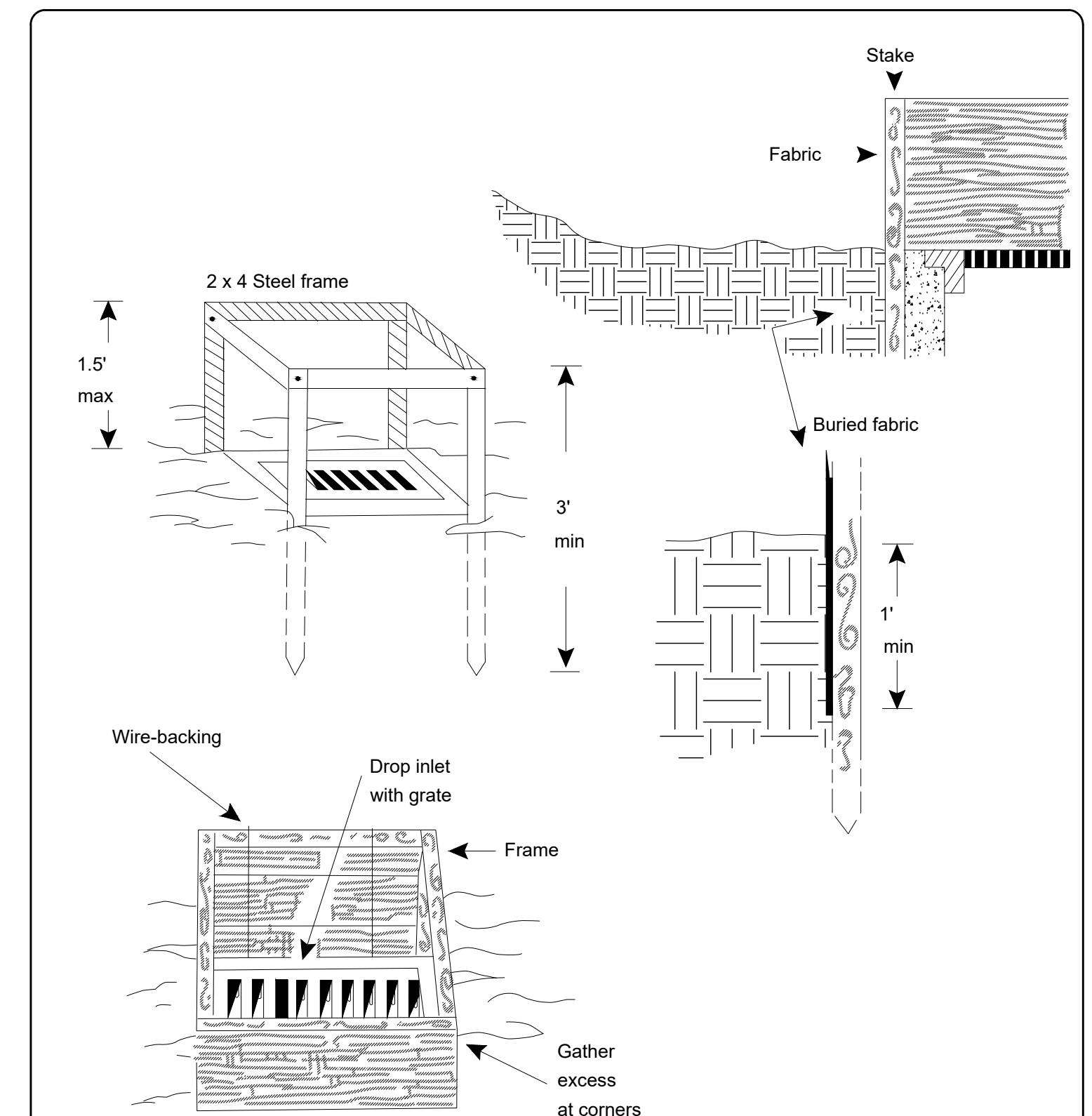


#### DEFINITION

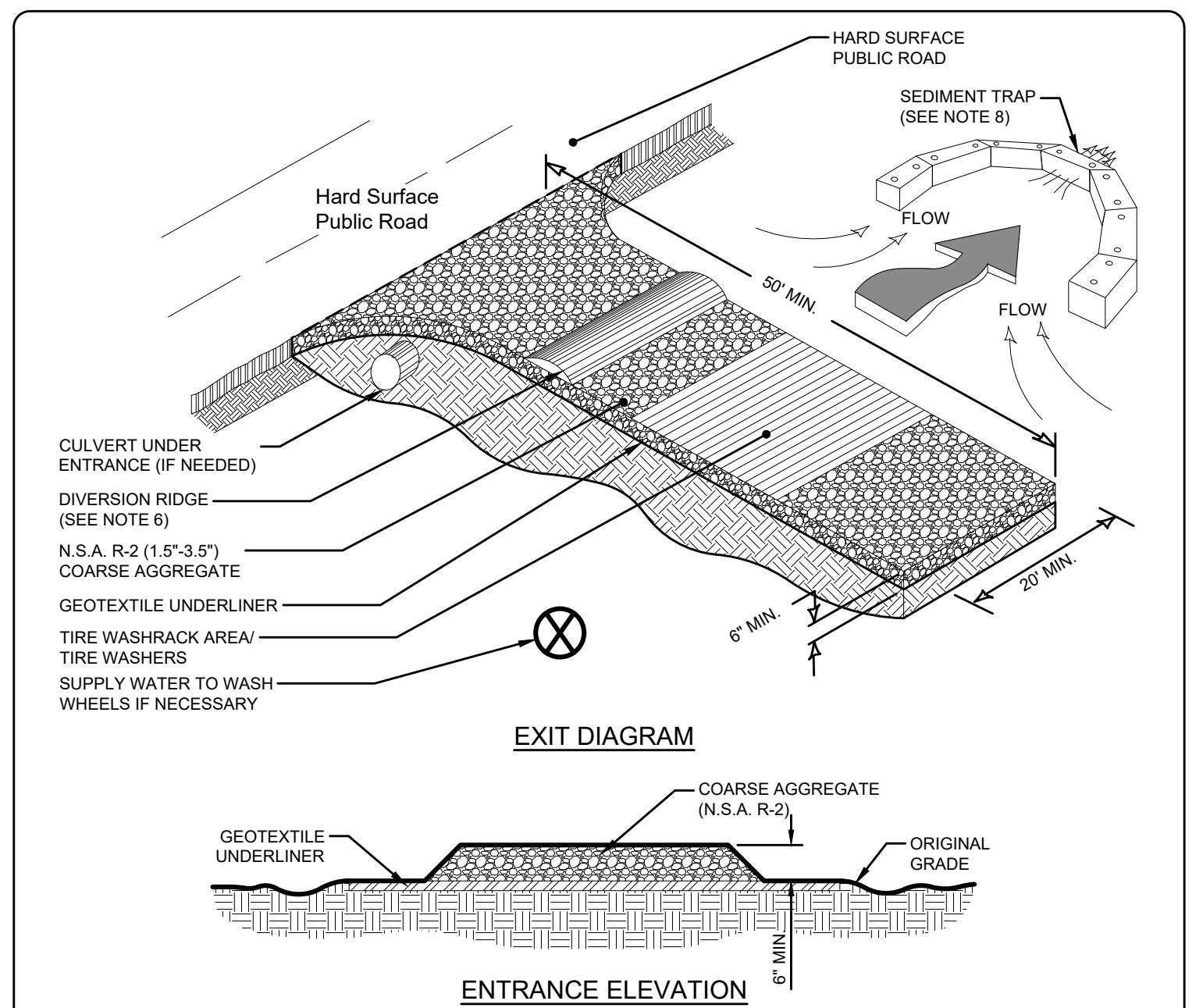
A stone stabilized pad located at any point where traffic will be leaving a construction site to a public right-of-way, street, alley, sidewalk or parking area or any other area where there is a transition from bare soil to a paved area.

#### PURPOSE

To reduce or eliminate the transport of mud from the construction area onto public rights-of-way



(Sd2-F) Figure 6-21.1 - Fabric and Supporting Frame For Inlet Projection

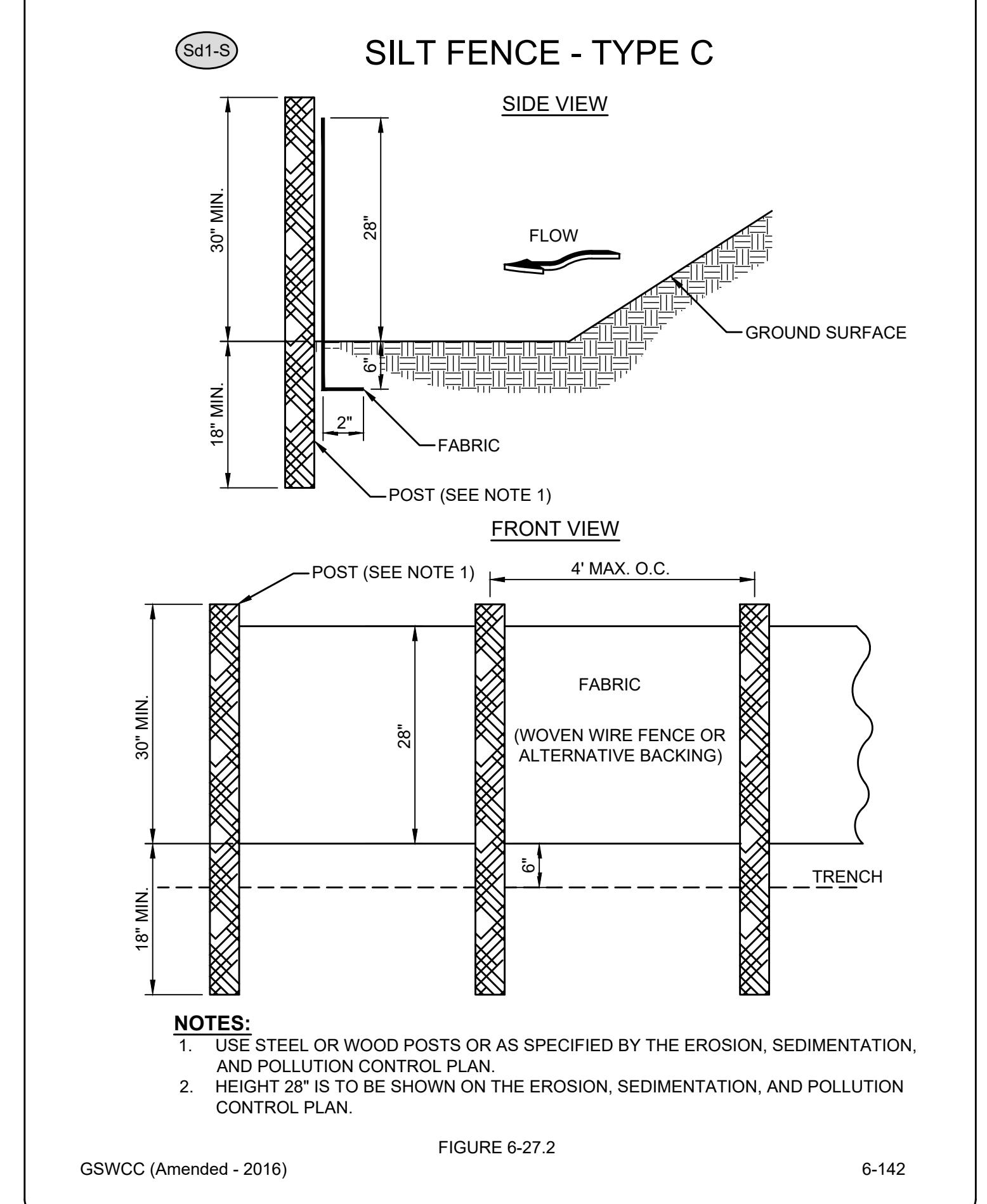


NOTES:  
 1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.  
 2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE AND CROWN FOR POSITIVE DRAINAGE.  
 3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5" - 3.5" STONE).  
 4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".  
 5. PAD VOLUME SHALL BE EQUAL TO VOLUME AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.  
 6. DIVERSION RIDGE SHOULD BE POSITIONED AWAY FROM TOWARD PAVED AREA IF GROUND TOWARD PAVED AREA IS GREATER THAN 2%.  
 7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.  
 8. 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).  
 9. 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.  
 10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD INTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUTS OF ANY MEASURES USED TO TRAP SEDIMENT.

(Co) CRUSHED STONE CONSTRUCTION EXIT

Figure 6-14.1

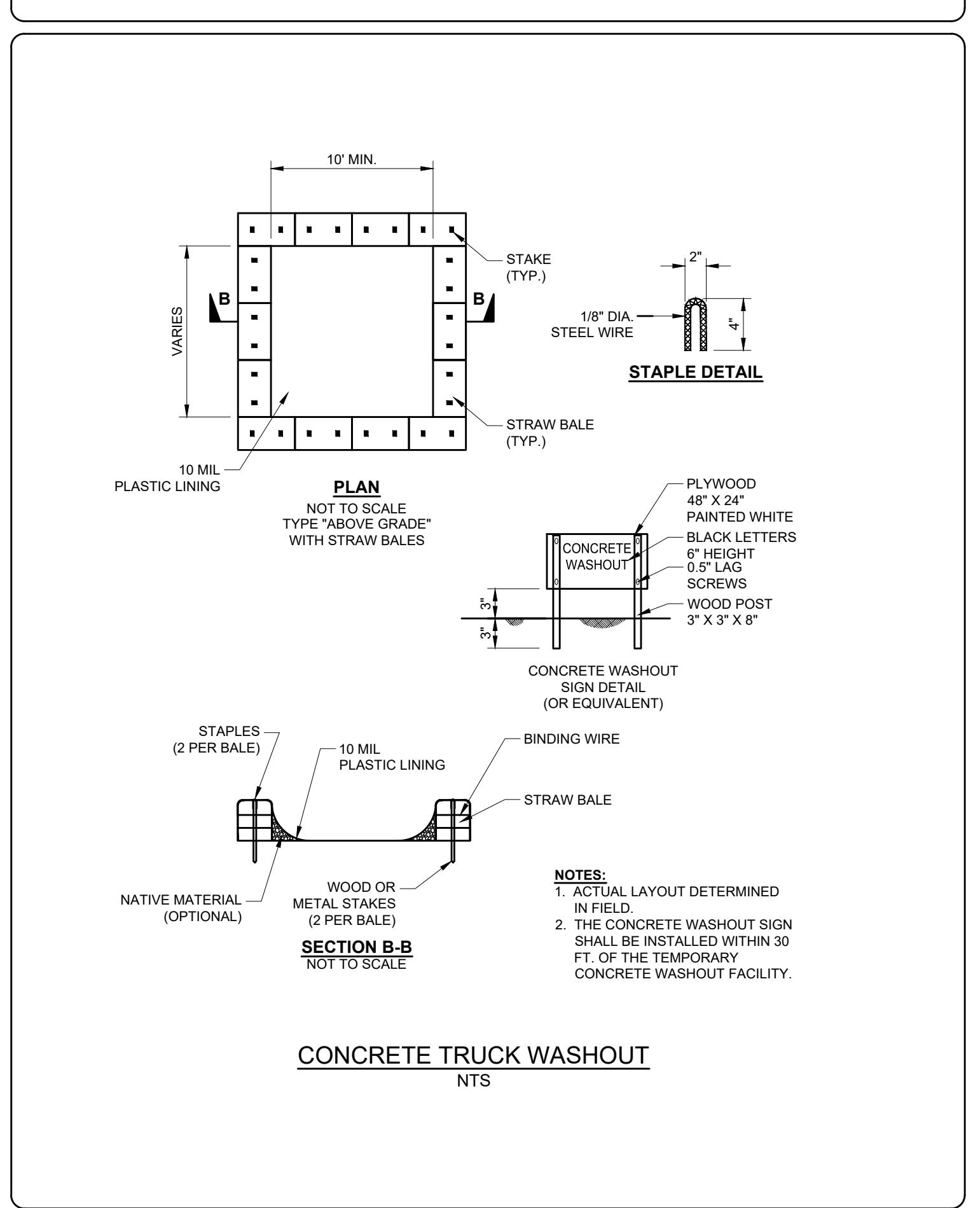
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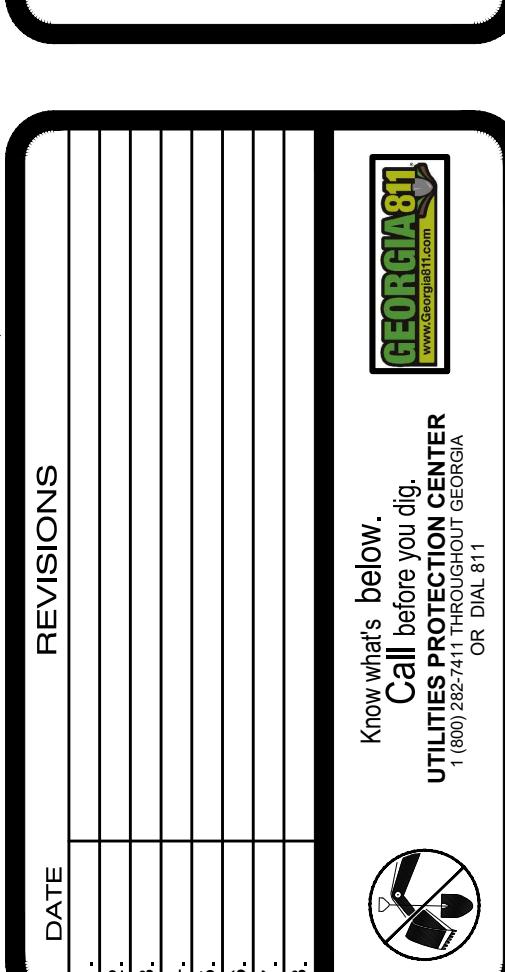
GSWCC (Amended - 2016)

FIGURE 6-27.2

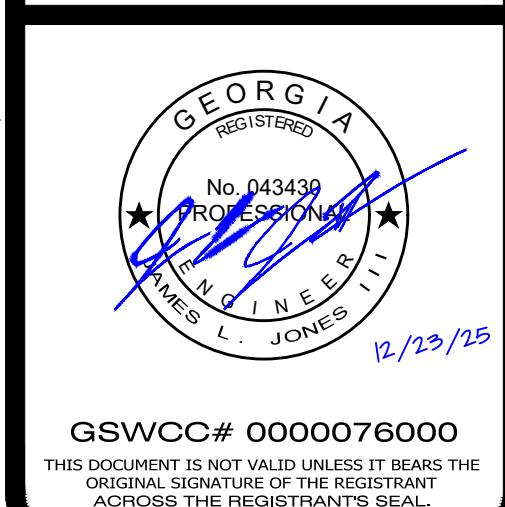
6-142



CONCRETE TRUCK WASHOUT  
NTS



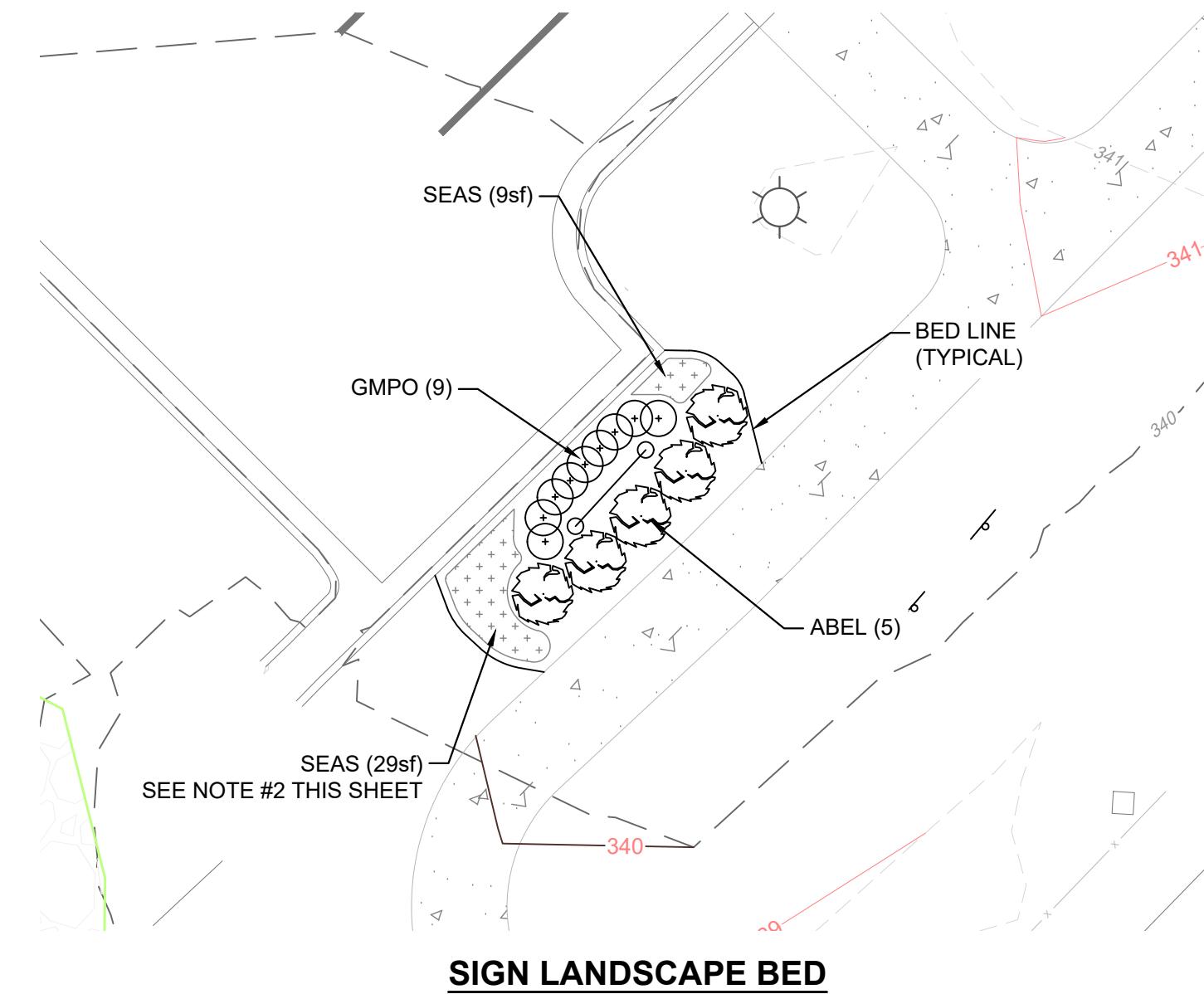
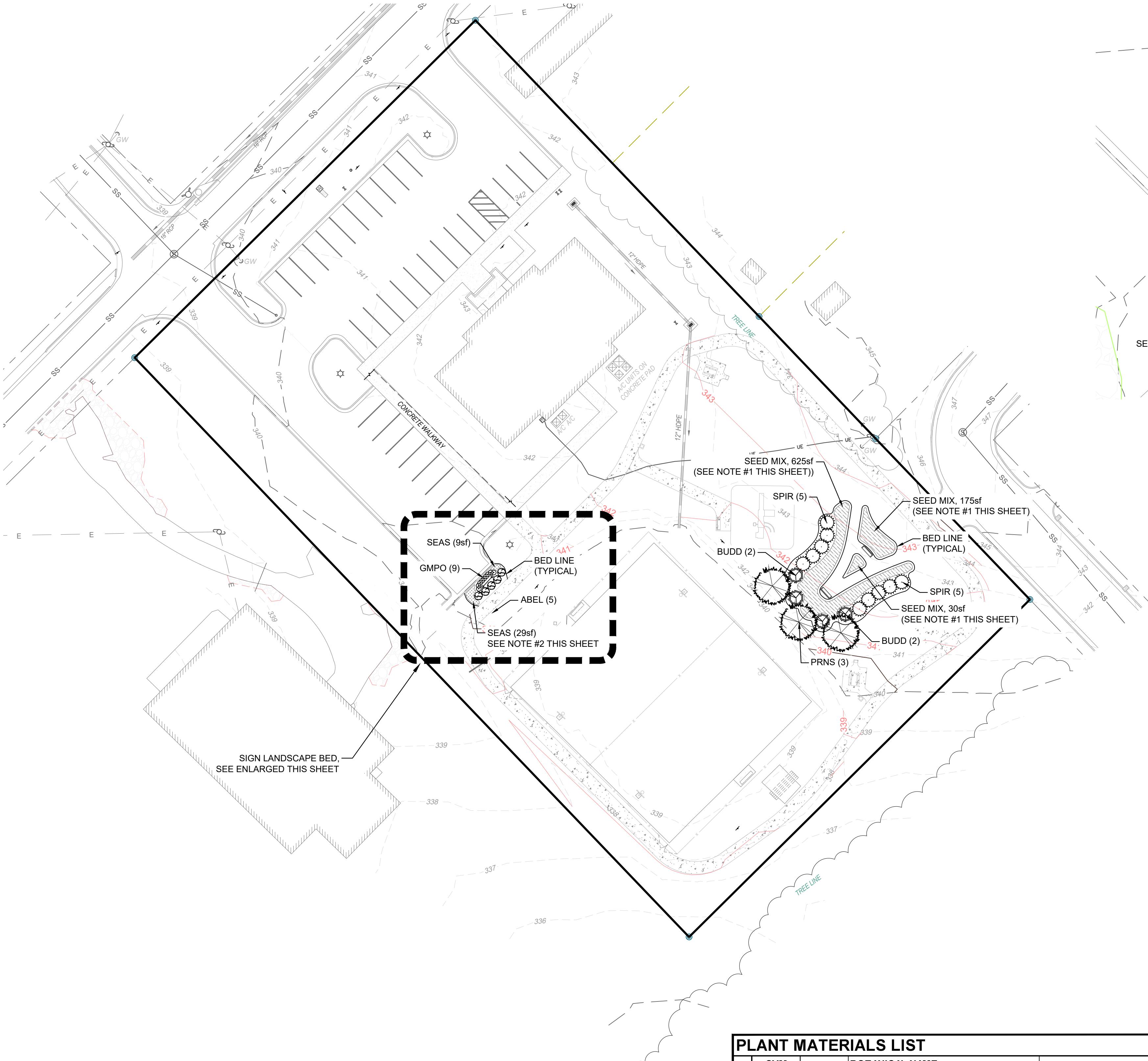
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SCALE:	N/A
PROJ NUMBER:	010.010
DRAWN BY:	EHL
REVIEWED BY:	-
REVISED BY:	-



GSWCC# 0000076000  
THIS DOCUMENT IS NOT VALID UNLESS IT BEARS THE ORIGINAL SIGNATURE OF THE REGISTRANT ACROSS THE REGISTRANT'S SEAL.

SHEET NUMBER	9.1
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**SIGN LANDSCAPE BED**

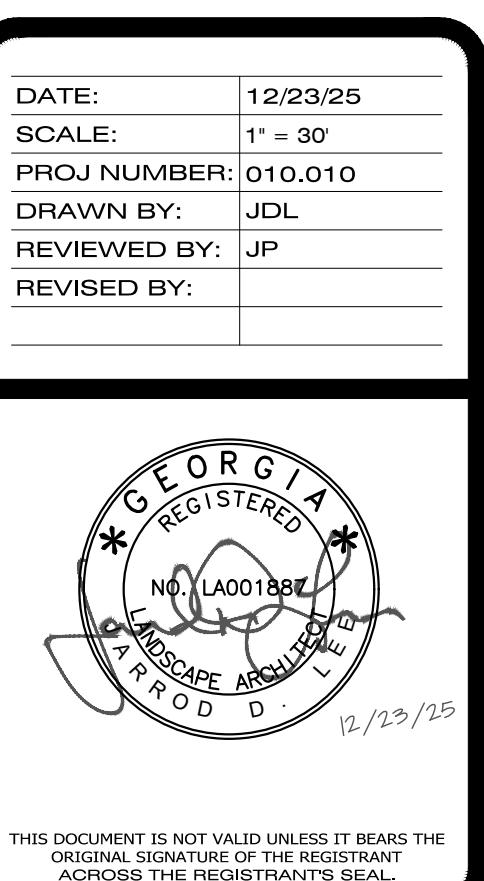
SCALE: 1" = 10'

LEGEND	
PROPOSED	EXISTING
RIGHT-OF-WAY	R/W
BOUNDARY LINE	R/W
PROPERTY LINE	R/W
CURB & GUTTER	R/W
EASEMENT	R/W
BUILDING	R/W
SIDEWALK	R/W
FENCE	R/W
FIRE HYDRANT	R/W
WATER VALVE	R/W
WATER METER	R/W
WEIR INLET	R/W
JUNCTION BOX	R/W
SANITARY SEWER MANHOLE	R/W
SINGLE WING CATCH BASIN	R/W
DOUBLE WING CATCH BASIN	R/W
STORM PIPE	R/W
SEWER PIPE	R/W
WATER MAIN	R/W
CONTOUR (MAJOR)	000
CONTOUR (MINOR)	000
DRAINAGE BASIN LINE	R/W



**LANDSCAPE PLAN  
FOR  
WILLIE BASBY  
PARK**

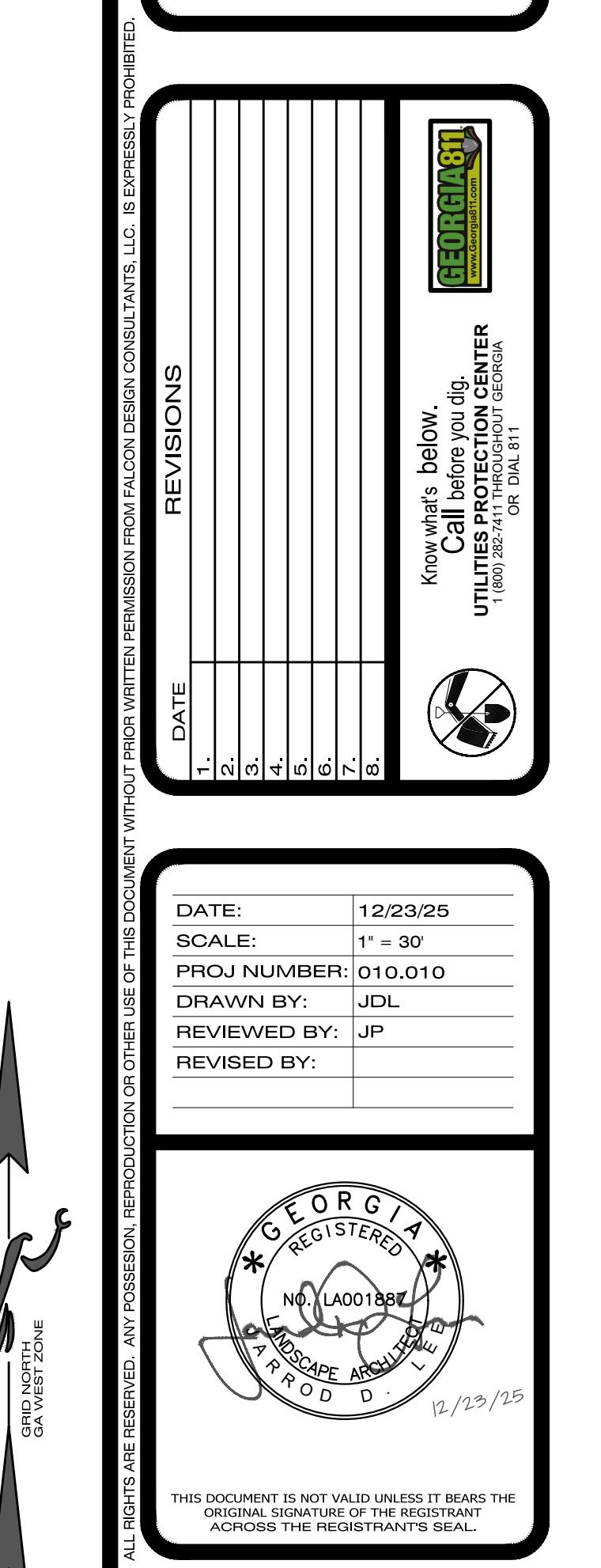
LOCATED IN:  
LAND LOTS 175, 21ST DISTRICT  
CITY OF COCHRAN, GEORGIA



**SHEET NUMBER**

**11.0**

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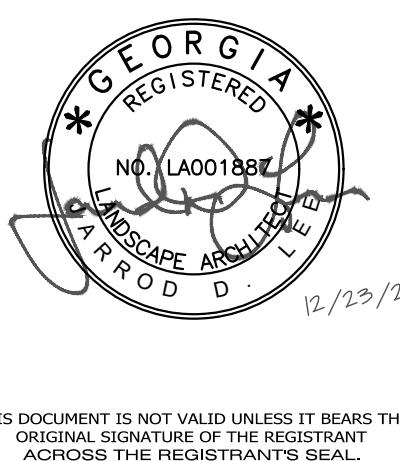


GEORGIA  
REGISTERED  
LANDSCAPE  
ARCHITECT  
NRA001A88  
12/23/25

Know that's below.  
Call before you dig.  
Utilities for Residential  
or Dial 811

DATE	1	2	3	4	5	6	7	8
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DATE: 12/23/25  
SCALE: AS SHOWN  
PROJ NUMBER: 010.010  
DRAWN BY: JDL  
REVIEWED BY: JP  
REVISED BY: \_\_\_\_\_



THIS DOCUMENT IS NOT VALID UNLESS IT BEARS THE  
ORIGINAL SIGNATURE OF THE REGISTRANT  
ACROSS THE REGISTRANT'S SEAL.

GENERAL NOTES:

1. THE INFORMATION ON THIS PLAN AND PLANT SCHEDULE IS FOR LISTING PURPOSES ONLY AND DOES NOT INDICATE ALL SPECIFICATION REQUIREMENTS. FOR COMPLETE DESCRIPTION OF LANDSCAPE MATERIAL REQUIREMENTS, SEE APPROPRIATE DRAWINGS AND TECHNICAL SPECIFICATIONS.
2. QUANTITIES ON LANDSCAPE PLAN ARE MINIMUM ONLY. CONTRACTOR IS RESPONSIBLE FOR HIS OWN QUANTITY TAKE-OFF, AND SHALL PROVIDE ALL PLANT MATERIAL REQUIRED TO FILL PLANT BED AREA AT SPACING INDICATED ON PLANT MATERIAL SCHEDULE.
3. ALL PLANTING AREAS SHALL BE MULCHED WITH A MINIMUM DEPTH OF THREE (3) INCHES OF PINE STRAW MULCH, UNLESS INDICATED OTHERWISE. A PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO PLANTING AREAS PRIOR TO MULCH INSTALLATION PER MANUFACTURER'S SPECIFICATIONS.
4. ALL DISTURBED SITE AREAS SHALL BE SODDED WITH EXCEPTION TO PLANTED MULCHED BEDS AND OTHER GRASSING MEASURES OUTLINED IN EROSION AND CONTROL PLANS. ALL RIGHT OF WAY DISTURBANCE SHALL CONFORM TO STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTION.

GENERAL PLANTING NOTES:

1. ALL PLANT MATERIAL SHALL CONFORM TO THE SIZE, QUALITY, AND CONDITION STANDARDS OF THE "AMERICAN STANDARDS FOR NURSERY STOCK" AND WITH ALL OTHER STANDARDS SET FORTH BY THE STATE OF GEORGIA. "PLANT PROTECTION REGULATIONS" SET BY THE GEORGIA DEPARTMENT OF AGRICULTURE, ALONG WITH ALL OTHER STANDARDS SET FORTH BY THE STATE OF GEORGIA. MINIMUM GRADE #1 QUALITY.
2. FINAL LOCATION OF ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE. AFTER FLAGGING PLANT LOCATIONS AND PRIOR TO INSTALLATION THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FOR INSPECTION.
3. THE CONTRACTOR SHALL REMOVE ALL DEAD WOOD, SUCKERS, AND ALL BROKEN OR DAMAGED BRANCHES IN ACCORDANCE WITH THE AAN (AMERICAN ASSOCIATION OF NURSERYMEN) STANDARDS IN ORDER TO PRESERVE THE NATURAL CHARACTER OF THE TREE.
4. ALL DISTURBED AREAS SHALL BE SEEDED WITH GRASS OF THE LIKE KIND UNLESS INDICATED OTHERWISE ON PLANS. CONTRACTOR IS TO PROVIDE A VIGOROUS STAND OF TURF, FREE FROM DISEASE AND/OR WEEDS.
5. ALL PLANTING PITS SHALL BE FREE OF ROCKS, GRAVEL, AND OTHER DEBRIS. ALL PLANTING PITS SHALL BE PREPARED IN ACCORDANCE WITH THE PLANTING DETAILS.
6. NO SUBSTITUTION OF PLANT SPECIES OR VARIETY SHALL BE MADE WITHOUT PRIOR WRITTEN PERMISSION FROM THE LANDSCAPE ARCHITECT.
7. BURLAP MATERIAL ON BALLED AND BURLAPPED PLANTS SHALL BE THE TYPE WHICH WILL BIODEGRADE WITHIN TWO YEARS (NO SYNTHETICS, PLASTIC, NYLON, TREATED OR OTHER NON-NATURAL TYPES WILL BE ALLOWED). AFTER SETTING BALLED AND BURLAPPED PLANTS IN THE PLANTING PIT, ALL BINDER TWINE SHALL BE CUT AND THE BURLAP REMOVED FROM THE TOP 1/3 OF THE ROOTBALL.
8. ALL SHRUB, GROUNDCOVER, AND SEASONAL COLOR BED AREAS SHALL BE TOP DRESSED WITH A MINIMUM OF 3" OF MULCH. THE MULCH SHALL BE FREE FROM MOLD, STICKS, CONES, WEEDS AND OTHER DEBRIS. COMPACTION OF THE MULCH SHALL OCCUR NATURALLY OVER A TWO WEEK PERIOD IN WHICH AT LEAST ONE SIGNIFICANT RAINFALL HAS OCCURRED. ADDITIONAL MULCH SHALL BE PLACED IN ORDER TO MAINTAIN THE MINIMUM DEPTH UNTIL DATE OF FINAL ACCEPTANCE.
9. ALL EXISTING TURF AND VEGETATION SHALL BE STRIPPED AND REMOVED PRIOR TO THE INSTALLATION OF ANY TURF OR PLANT MATERIAL. CARE SHALL BE TAKEN WHEN WORKING AROUND OR NEAR PLANTS LABELED ON THE PLAN AS EXISTING TO REMAIN. ALL EXISTING PLANTS THAT ARE TO REMAIN, IF DAMAGED BY THE CONSTRUCTION, SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
10. BACKFILL MIXTURE SHALL CONTAIN 1/3 BY VOLUME OF AMENDMENT GRADE, FINELY GROUNDED, AND FULLY COMPOSTED PINE OR HARDWOOD BARK. AMENDMENT SHALL BE MIXED THOROUGHLY WITH THE ENTIRE VOLUME OF GOOD SOIL REMOVED FROM THE PLANTING PIT. THIS MIXTURE SHALL BE USED TO BACKFILL AROUND THE ROOTBALL.
11. ALL PLANT MATERIAL SHALL BE PROPERLY WATERED IMMEDIATELY AFTER PLANTING. WATER SHALL BE APPLIED AT A RATE THAT WILL COMPLETELY SATURATE THE ENTIRE ROOTBALL REGARDLESS OF WEATHER CONDITIONS. IF THE HEIGHT OF THE ROOTBALL IS 24", THEN THE PLANT SHALL BE WATERED TO A DEPTH OF 24".
12. IF GRASS SEEDING IS PERFORMED AT A TIME THAT IS NOT THE APPROPRIATE PLANTING SEASON, TEMPORARY GRASSES SHALL BE USED. TEMPORARY GRASSING SHALL BE WINTER (ANNUAL) RYE. THE CONTRACTOR SHALL THEN BE RESPONSIBLE FOR SEEDING AND/OR SODDING ALL TURF AREAS AS SPECIFIED ON THE PLAN DURING THE NEXT APPROPRIATE PLANTING SEASON.
13. BOTANICAL NAMES SHALL TAKE PRIORITY OVER COMMON NAMES.
14. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL THAT IS FREE OF PESTS AND DISEASES.
15. ALL TREES MUST BE OWN ROOT CLONE-GROWN BALLED AND BURLAPPED (B&B) AS INDICATED IN THE PLANT MATERIAL SCHEDULE.
16. ALL TREES MUST BE STRAIGHT TRUNKED, FULL HEADED, AND MEET ALL REQUIREMENTS SPECIFIED.
17. ALL TREES MUST BE INSTALLED AS SHOWN IN THE DETAILS.
18. ALL PLANTS AND PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED; ROOT FLARE SHALL NOT BE MULCHED.
19. PRIOR TO CONSTRUCTION, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
20. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
21. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTINGS, INCLUDING BUT NOT LIMITED TO, WATERING, SPRAYING, MULCHING, FERTILIZING, ETC. OF PLANTING AREAS & LAWN UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE LANDSCAPE ARCHITECT OR THE OWNER.
22. THE LANDSCAPE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING AT THE DATE OF FINAL ACCEPTANCE. THE LANDSCAPE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD (AS PER DIRECTION OF THE OWNER).
23. THE OWNER AGREES TO PERFORM ALL LANDSCAPE MAINTENANCE (INCLUDING WATERING) THROUGHOUT THE ONE YEAR GUARANTEE PERIOD UNLESS OTHERWISE DETERMINED PRIOR TO INSTALLATION.
24. AFTER DELIVERY TO PROJECT SITE, ALL TREES SHALL BE STORED UPRIGHT AND WATERED IF NOT IMMEDIATELY PLANTED.
25. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE & REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, SIZE, AND MEETING ALL PLANT MATERIAL SCHEDULE SPECIFICATIONS.

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