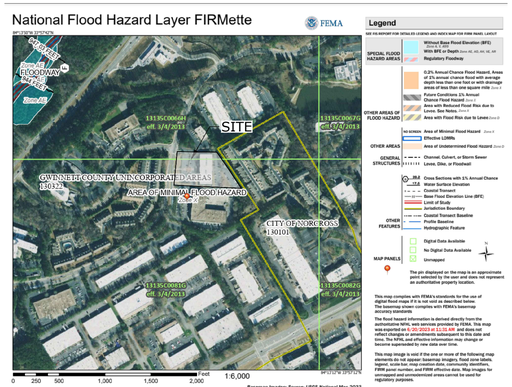
CONSTRUCTION PLANS FOR:
PEACHTREE CORNERS PUBLIC WORKS FACILITY

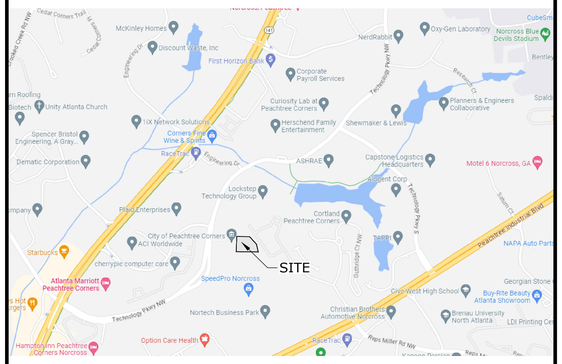
PROJECT LOCATED AT:
TAX PARCEL ID 6284002, 310 TECHNOLOGY PKWY
WITHIN LAND LOTS 284, 6TH DISTRICT, CITY OF PEACHTREE CORNERS
GWINNETT COUNTY, GEORGIA

PREPARED FOR (OWNER/DEVELOPER):
CITY OF PEACHTREE CORNERS
310 TECHNOLOGY PARKWAY
PEACHTREE CORNERS, GA. 30092
PHONE: (678) 691-1200

MAPS



THIS SITE IS NOT LOCATED WITHIN THE 100 YEAR FLOOD ZONE PER FEMA FLOOD PANELS # 13135C0081G, DATED 03-04-13.
FEMA MAP



LOCATION MAP
SCALE: NTS

PROJECT DESCRIPTION:
CONSTRUCTION OF A NEW PUBLIC WORKS BUILDING IN AN EXISTING PARKING LOT.

CERTIFICATE OF DEVELOPMENT PLANS APPROVAL

ALL REQUIREMENTS OF THE CITY DEVELOPMENT REGULATIONS RELATIVE TO THE PREPARATION AND SUBMISSION OF A DEVELOPMENT PERMIT APPLICATION HAVING BEEN FULFILLED, AND SAID APPLICATION AND ALL SUPPORTING PLANS AND DATA HAVING BEEN REVIEWED AND APPROVED BY ALL AFFECTED CITY DEPARTMENTS AS REQUIRED UNDER THEIR RESPECTIVE AND APPLICABLE REGULATIONS, APPROVAL IS HEREBY GRANTED OF THIS SITE PLAN AND ALL OTHER DEVELOPMENT PLANS ASSOCIATED WITH THIS PROJECT SUBJECT TO ALL FURTHER PROVISIONS OF SAID DEVELOPMENT AND OTHER CITY REGULATIONS.

GREG RAMSEY _____ 01/17/2024
CITY ENGINEER DATE

THIS APPROVAL EXPIRES SIX (6) MONTHS FROM THE DATE OF APPROVAL UNLESS A DEVELOPMENT PERMIT IS ISSUED.

SITE DATA

OWNER/DEVELOPER:	CITY OF PEACHTREE CORNERS PUBLIC FACILITIES AUTHORITY 310 TECHNOLOGY PARKWAY PEACHTREE CORNERS, GA 30092
ENGINEER/SURVEYOR:	SOUTHEASTERN ENGINEERING, INC. 2470 SANDY PLAINS ROAD MARIETTA, GA 30066 PHONE: 770.321.3936
SITE:	PEACHTREE CORNERS PUBLIC WORKS FACILITY
SITE AREA:	4.34 ACRES
BOUNDARY:	GIS TOPO AND SURVEY BY OTHERS
EXISTING ZONING:	M1
FLOODPLAIN:	THIS PROPERTY IS NOT LOCATED WITHIN A 100-YEAR FLOODPLAIN PER FEMA FLOOD PANEL # 13135C0081G DATED 03-04-2013.
TAX PARCEL ID#:	628-002 (GWINETT)

TREE NOTE:
NO SPECIMEN TREES FOUND WITHIN PROJECT LIMITS

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THE UTILITIES SHOWN HEREON ARE FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IT IS THE OWNER/DEVELOPER'S RESPONSIBILITY TO VERIFY EXISTING UTILITY CAPACITY PRIOR TO INITIATING DESIGN. THE ENGINEER MAKES NO GUARANTEES, NEITHER EXPRESSED OR IMPLIED, REGARDING EXISTING UTILITY LOCATION, CAPACITY OR CONDITION.

SEI
SOUTHEASTERN ENGINEERING, INC.
2470 Sandy Plains Road Marietta, Georgia 30066
417 Sylvaire Way Suite A Palmetto, Georgia 30268
tel: 770-321-3936
www.seengineering.com

988-22-168

No	REVISION DESCRIPTION	DATE
1	-	-
2	-	-
3	-	-
4	-	-

CITY OF PEACHTREE CORNERS
310 TECHNOLOGY PARKWAY
PEACHTREE CORNERS, GA. 30092
(678) 691-1200

24 HOUR CONTACT INFORMATION
GREG RAMSEY (678) 691-1200

COVER SHEET

PEACHTREE CORNERS PUBLIC WORKS FACILITY
PROJECT LOCATED AT:
LL. 284 6TH DISTRICT
CITY OF PEACHTREE CORNERS
GWINNETT COUNTY, GEORGIA

GEORGIA REGISTERED NO. 31277 PROFESSIONAL ENGINEER E. WAYNE MATTHEWS JR.

ISSUED FOR:
PRELIMINARY

Project No.: 988-22-168
Designed By: JJS
Issue Date: 9/26/23

C0.0.0

811 Know what's below. Call before you dig.

PTC Approved

LINETYPE LEGEND

PROPOSED		EXISTING
	LAND LOT LINE	
	PROJECT PROPERTY LINE	
	ADJOINING PROPERTY LINE	
	EASEMENT	
	SANITARY EASEMENT	
	UNDISTURBED BUFFER	
	SETBACK	
	BOUNDARY OF FIELD SHOT DATA	
	WATER ELEVATION (100 YEAR POND ELEVATION / HYDRAULIC GRADE LINE)	
X X	FENCE	X X
	CHAINLINK FENCE	
	DECORATIVE FENCE (WOOD / VINYL)	
	GUARDRAIL	
XXXXXXXXXXXXXXXXXX	LINEAR FEATURE TO BE REMOVED	
	SOIL DELINEATION	
	CREEK CENTERLINE	
OHT	OVERHEAD TELEPHONE	OHT
G	NATURAL GAS	G
UGP	UNDERGROUND POWER	UGP
	OVERHEAD POWER	
SS SS	SANITARY SEWER	SS SS
FM	FORCE MAIN	FM
W	WATER MAIN	W
COMM	COMMUNICATIONS UTILITY LINE	COMM
	SETBACK LINE	
	TREELINE	
	RIGHT OF WAY	
	FLOOD LINE	
	ROAD CENTERLINE	
	LIMITS OF CONSTRUCTION	
XX NS	SILT FENCE - NON-SENSITIVE	
XX S	SILT FENCE - SENSITIVE	
	DIVERSION PATH	
TPF	TREE PROTECTION FENCING	

ABBREVIATION LEGEND

LLL	LAND LOT LINE
IPS	IRON PIN SET
IPF	IRON PIN FOUND
OTP	OPEN TOP PIPE
CTP	CRIMP TOP PIPE
RB	REINFORCING BAR
CL	CENTERLINE
R/W	RIGHT OF WAY
LL	LAND LOT
L	LINE
A	ARC
R	RADIUS
CH	CHORD
C	CURVE
CONC	CONCRETE
CMF	CONCRETE MONUMENT FOUND
POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
PI	POINT OF INTERSECTION
SBL	SETBACK LINE
BSL	BUILDING SETBACK LINE
DE	DRAINAGE EASEMENT
SSE	SANITARY SEWER EASEMENT
AE	ACCESS EASEMENT
DI	DROP INLET
PI	PEDESTAL INLET
SWCB	SINGLE WING CATCH BASIN
DWCB	DOUBLE WING CATCH BASIN
HW	HEADWALL

SYMBOL LEGEND

PROPOSED		EXISTING
	BOLLARD	
℄	CENTERLINE	℄
	CONCRETE MONUMENT	
	CURB INLET	
	DROP INLET	
	DOUBLE WING CATCH BASIN	
	DRAINAGE FLOW	
	ELBOW (TYPE SPECIFIED) WITH THRUST BLOCK	
	ELECTRIC METER	EM
	EXISTING IRON PIN FOUND	
	FIRE HYDRANT	
	FIBER MARKER	
	FENCE POST	
	FLARED END SECTION (CONCRETE)	
	FLARED END SECTION (METAL)	
	GAS METER	GM
	GAS MARKER	G
	GAS VALVE	GV
	GUY WIRE	
	GSWCC STRUCTURAL PRACTICE	
	GSWCC VEGETATIVE MEASURE	
	HEADWALL	
	IRRIGATION VALVE	IV
	IRON PIN TO BE SET	
	IRON PIN FOUND	
	LIGHT POLE	
	MAILBOX	
	MONITORING WELL	
	PEDESTRIAN SIGNAL	
	PEDESTAL INLET	
	PRESSURE REDUCER VALVE	
	PLUG / CAP	
	POWER STUB	-
	PVC STUB	
	REDUCER	
	SANITARY SEWER CLEANOUT	
	SIGN	
	SINGLE WING CATCH BASIN	
	SOIL BORING	
	SQUARE BOLLARD	
	TEE WITH THRUST BLOCK	
	TELEPHONE BOX	TB
	TELEPHONE MANHOLE	T
	TELEPHONE PEDESTAL	TP
	TEMPORARY BENCH MARK	
	TRAFFIC BOX	
	TREE TO BE REMOVED	
	UTILITY POLE	
	UTILITY MANHOLE (UTILITY SPECIFIED)	
	UTILITY METER BOX (UTILITY SPECIFIED)	
	UTILITY VALVE (UTILITY SPECIFIED)	
	WATER METER	WM
	WATER SEEP	
	WATER SPIGOT	
	WATER VALVE	
	WETLAND FLAG	

GRADING NOTES:

1. TOTAL SITE AREA = 4.34 ACRES, DISTURBED AREA = 0.63 AC..
2. ELEVATIONS ARE BASED ON MEAN SEA LEVEL.
3. EXISTING CONDITIONS FROM FIELD RUN TOPOGRAPHY PREPARED BY SEI, APRIL, 2023.
4. CONTOUR INTERVALS ARE 2.0 FEET.
5. ALL TREE SAVE AREAS AND BUFFERS ARE TO BE CLEARLY IDENTIFIED WITH FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.
6. CLEARING AND GRUBBING: ON ALL AREAS WHERE GRADING, EXCAVATING AND FILL ARE TO BE DONE, ALL TIMBER BRUSH, STUMPS, ROOTS, RUBBISH AND ORGANIC MATERIALS SHALL BE REMOVED. STUMP HOLES SHALL BE FILLED WITH COMPACTED CLEAN SOIL. A MINIMUM OF SIX INCHES MUST BE CUT BELOW EXISTING GRADE FOR ENTIRE AREA RECEIVING FILL. STORM DETENTION MEASURES MUST BE ACCOMPLISHED CONCURRENT WITH THIS PHASE. REFER TO THE CURRENT EDITION OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL.
7. ALL EARTHWORK OPERATION SHALL COMPLY WITH REQUIREMENTS OF OSHA CONSTRUCTION STANDARDS, PART 1926, SUBPART P, EXCAVATIONS, TRENCHING, AND SHORING, AND SUBPART O, MOTOR VEHICLES, MECHANIZED EQUIPMENT, AND MARINE OPERATIONS, AND SHALL BE CONDUCTED IN A MANNER ACCEPTABLE TO THE ENGINEER.
8. FILL MATERIALS SHALL CONSIST OF CLEAN SOIL, FREE OF ORGANIC OR DELETERIOUS MATERIALS, ROCKS, OR BROKEN PIECES OF CONCRETE LARGER THAN THREE INCHES IN SIZE, OR OF ANY OTHER FOREIGN OBJECTS THAT COULD IMPEDE THE COMPACTION RESULTS.
9. FILL MATERIALS SHALL BE SPREAD EVENLY IN HORIZONTAL LAYERS OF NOT MORE THAN 8 INCHES IN LOOSE LIFTS OVER THE FULL WIDTH OF FILL AND COMPACTED TO AT LEAST 95% MAXIMUM DRY DENSITY BY STANDARD PROCTOR COMPACTION TEST ASTM D698.
10. MAXIMUM CUT OR FILL SLOPES IS 2H:1V.
11. GRADE TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS INTO STORM INLETS.
12. SEE GEOTECHNICAL ENGINEER FOR RECOMMENDATIONS CONCERNING PROPER PLACEMENT AND COMPACTION OF STRUCTURAL FILL.
13. THE SITE IS NOT LOCATED WITHIN A DESIGNATED FLOOD PLAIN PER FEMA F.I.R.M. MAP 13135C0081G, DATED 03-04-13.
14. GRADE ALL HANDICAP RAMPS 12H:1V SLOPE TO TOP OF CURB.
15. ALL SPOT ELEVATIONS ARE FINISHED GRADE ELEVATIONS UNLESS OTHERWISE NOTED.
16. ALL CORRUGATED METAL PIPES TO BE FULLY ASPHALT COATED WITH PAVED INVERTS OR ALUMINUM COATED TYPE II.
17.

GENERAL EROSION AND SEDIMENTATION CONTROL NOTES:

1. SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE OF THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATION, LATEST EDITION.
2. ADDITIONAL EROSION CONTROL MEASURES WILL BE EMPLOYED WHERE DETERMINED NECESSARY BY ACTUAL SITE CONDITIONS TO PREVENT THE RELEASE OF SILT FROM THE SITE.
3. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH ENTRY TO OR EXIT FROM THE SITE.
4. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN-OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE OFF SITE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED.
5. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITIES THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL OCCUR INSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
6. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXITS, ALL PERIMETER EROSION CONTROL DEVICES AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
7. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.
8. THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROLS WILL BE MAINTAINED UNTIL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED.
9. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
10. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER INSTALLATION AND DETENTION FACILITIES ARE CONSTRUCTED.
11. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. IF SEDIMENT PONDS ARE DEEMED NECESSARY, CONTRACTOR SHALL CLEAN OUT EACH AS REQUIRED BY ENGINEER OR THE CITY OF PEACHTREE CORNERS INSPECTOR. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
12. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS WITHIN 12" OF THE TOP OF THE SILT FENCE UTILIZED FOR EROSION CONTROL.
13. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN A POSSIBILITY OF ALL CONSTRUCTION BEING STOPPED ON JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO CURRENT STDS.
14. ALL SEWER EASEMENTS DISTURBED MUST BE DRESSED AND GRASSED TO CONTROL EROSION.
15. ALL OPEN SWALES MUST BE GRASSED, AND RIP-RAP MUST BE PLACED AS REQUIRED TO CONTROL EROSION, A MINIMUM OF 4.5 SQUARE YARDS OF 50 LB STONES SHALL BE PLACED AT ALL DOWNSTREAM HEADWALLS IMMEDIATELY UPON THE INSTALLATION OF PIPES AND DRAINAGE DITCHES.
16. SILT BARRIERS TO BE PLACED DOWNSTREAM OF ALL FILL SLOPES.

UTILITY NOTES:

1. CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL BE SPECIFICALLY RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES THAT MIGHT HAVE EXISTING UTILITIES ON SITE TO DETERMINE IF ANY EXIST AND HOW TO HANDLE. ENGINEER CANNOT BE RESPONSIBLE FOR EXISTENCE OR LOCATION OF UNDERGROUND UTILITIES.
2. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION, AND SHALL BE RESPONSIBLE FOR COORDINATING WITH THEM REGARDING UTILITY LOCATIONS, CONSTRUCTION AND SCHEDULES.
3. ALL CONNECTIONS TO EXISTING UTILITIES AND ALL UTILITY INSTALLATIONS SHALL BE IN COMPLIANCE WITH REQUIREMENTS OF APPROPRIATE JURISDICTIONAL AGENCIES
4. NEW TESTING IS REQUIRED FOR UTILITIES PER GWINNETT COUNTY STANDARDS. THIS INCLUDES, BUT IS NOT LIMITED, TO TV INSPECTION AND PRESSURE TESTING FOR SANITARY SEWER LINES AND MANHOLES. PRESSURE TESTING AND RECHLORINATION IS REQUIRED FOR THE WATER SYSTEM. ALL TESTING SHALL BE PER GWINNETT COUNTY STANDARDS.
5. ALL SANITARY SEWER PIPE SHALL BE DUCTILE IRON AWWA C150 PER GWINNETT COUNTY STDS. UNLESS OTHERWISE SPECIFIED. WATER PIPE SHALL BE DUCTILE IRON CLASS 50 AWWA C151 UNLESS OTHERWISE SPECIFIED AND SHALL BE INSTALLED IN ACCORDANCE WITH CURRENT GWINNETT COUNTY STANDARDS.
6. FOR GRADING AND DRAINAGE INFORMATION, SEE GRADING AND DRAINAGE PLAN.
7. EXISTING SERVICES SHOWN WERE OBTAINED FROM AS BUILTS BY OTHERS.
8. AT COMPLETION OF SEWER AND WATER CONSTRUCTION, ALL MANHOLES, VALVE BOXES, METERS AND APPURTENANCES SHALL BE SET FOR PROPER FINISH GRADE AND SHALL BE NOTICEABLY STAKED AND FLAGGED. SITE UTILITY SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE ABOVE ITEMS UNTIL SYSTEM IS ACCEPTED BY OWNER.
9. HYDRANTS AND MAINS SHALL BE INSTALLED AND UNDER PRESSURE BEFORE ANY COMBUSTIBLE CONSTRUCTION IS STARTED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FORTY EIGHT INCHES (48") OF COVER OVER THE PROPOSED WATER MAINS AND EIGHTEEN INCHES (18") OF VERTICAL SEPARATION FROM OTHER UTILITIES. WHERE LIMITED ROOM EXISTS ABOVE STORM OR SANITARY SEWERS, WATER LINE SHALL BE CONSTRUCTED UNDERNEATH AT THOSE LOCATIONS, MAINTAINING THE EIGHTEEN INCH (18")SEPARATION REQUIREMENT. ALL UTILITY REQUIREMENTS WILL BE COMPLIED WITH AT CROSSINGS. ADDITIONALLY, A 10' HORIZONTAL SEPARATION IS REQUIRED BETWEEN WATER AND SANITARY SEWER LINES.
11. ALL SANITARY SEWER DUCTILE IRON PIPE SHALL HAVE PUSH-ON JOINTS PER AWWA C111.
12. RIGID PIPE BEDDING SHALL BE PER ASTM C-12, FLEXIBLE PIPE BEDDING PER ASTM D-2321.
13. IRRIGATION WATER SERVICE SHALL BE IN METER BOX W/BACKFLOW PREVENTOR PER JURISDICTIONAL REQUIREMENTS.
14. SEE DETAIL SHEETS FOR UTILITY DETAILS.
15. ALL WATER LINE CONSTRUCTION SHALL BE TO GWINNETT COUNTY SPECIFICATIONS.
16. ALL BACKFILL IN STREETS AND PARKING AREAS FOR PUBLIC SANITARY SEWER MAINS SHALL BE APPROVED BANK-RUN SAND OR GRAVEL OR CRUSHED STONE FREE FROM LARGE STONES AND CONTAINING NOT MORE THAN 10% BY WEIGHT OF LOAM OR CLAY.
17. CONTRACTOR SHALL COMPLY WITH REQUIREMENTS SET FORTH IN GWINNETT COUNTY DEVELOPMENT REGULATIONS FOR ALL UTILITY INSTALLATIONS.

GENERAL NOTES:

1. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS THAT ARE PERTINENT TO THIS WORK.
2. AREAS OUTSIDE THE PROJECT LIMITS ARE DESIGNATED AS RESTRICTED AREAS. THE CONTRACTOR'S FORCES ARE PROHIBITED FROM ENTERING RESTRICTED AREAS AT ANY TIME, UNLESS SPECIFICALLY AUTHORIZED BY THE ADJACENT OWNER.
3. THE CONTRACTOR SHALL CONTROL DUST AND DEBRIS FROM HIS OPERATION TO A LEVEL ACCEPTABLE TO THE COUNTY AT ALL TIMES. THE CONTRACTOR SHALL HAVE ON THE PROJECT SITE:VACUUM SWEEPERS, WATERING TRUCKS, AND OTHER EQUIPMENT NECESSARY TO CONTROL DUST AT ALL TIMES. ALL METHODS FOR CONTROLLING DUST SHALL BE SUBJECT TO THE COUNTY'S APPROVAL. FAILURE TO PROPERLY CONTROL DUST OR TO RESPOND TO ANY REQUEST TO DO SO WILL RESULT IN CONSTRUCTION ACTIVITIES BEING STOPPED.
4. ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE PROJECT AREA AS SHOWN ON THE PHASED EROSION CONTROL PLAN.
5. THE ROADS USED BY THE CONTRACTOR FOR ACCESS OR HAULING SHALL BE KEPT CLEAN AND ACCESSIBLE TO ALL OTHER TRAFFIC FOR THE ENTIRE DURATION OF THE PROJECT. HAUL TRUCKS MUST BE COVERED AND ANY SPILLAGE OR DEBRIS BUILDUP PROMPTLY REMOVED FROM ALL HAUL ROUTES ON AIRPORT AND PUBLIC ROADS.

MATERIAL NOTES:

1. SANITARY SEWER SHALL BE AS INDICATED: EITHER PVC, SDR 35 PER ASTM D3034;OR CLASS 50 DUCTILE IRON PIPE PER AWWA C104, PER GWINNETT COUNTY SPECIFICATIONS.
2. WATER LINES 3" AND LARGER SHALL BE CLASS 50 DIP (350PSI) PER AWWA C150.
3. WATER LINES SMALLER THAN 3" SHALL BE EITHER COPPER TUBE TYPE "K" (SOFT) PER ASTM B43 AWWA C800 OR SCHEDULE 40 PVC PER ASTM D1784.
4. STORM SEWER LINE SHALL BE AS FOLLOWS: CMP, FULLY COATED PER ASTM A444 OR ALUMINIZED TYPE II WITH REROLLED ENDS & BANDS. RCP, CLASS III PER AASHTO M170 AS INDICATED.
5. PRECAST STRUCTURES MAY BE USED AT THE CONTRACTOR'S OPTION. ALL CONCRETE TO HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 P.S.I.

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988-22-168

No	REVISION DESCRIPTION	DATE
1	-	-
2	-	-
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GENERAL NOTES

PEACHTREE CORNERS PUBLIC WORKS FACILITY
PROJECT LOCATED AT:
LL. 284 6TH DISTRICT
CITY OF PEACHTREE CORNERS
GWINNETT COUNTY, GEORGIA

GEORGIA REGISTERED NO. 31277 PROFESSIONAL ENGINEER E. WAYNE MATTHEWS JR.

ISSUED FOR:
PRELIMINARY

Project No.: 988-22-168
Designed By: JJS
Issue Date: 9/26/23

C0.1.1

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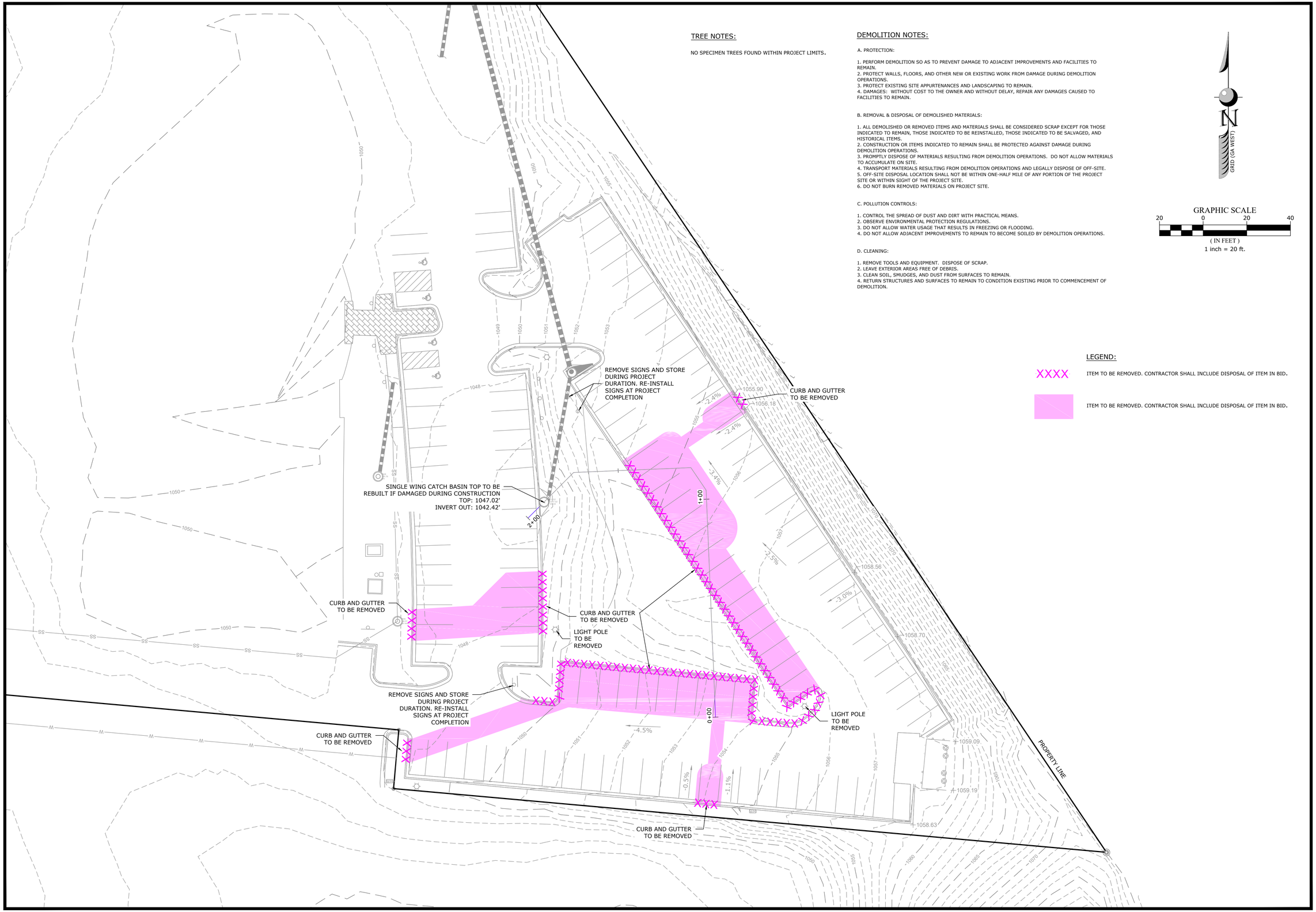
PTC Approved



TREE NOTES:

NO SPECIMEN TREES FOUND WITHIN PROJECT LIMITS.

DEMOLITION NOTES:

A. PROTECTION:

1. PERFORM DEMOLITION SO AS TO PREVENT DAMAGE TO ADJACENT IMPROVEMENTS AND FACILITIES TO REMAIN.
2. PROTECT WALLS, FLOORS, AND OTHER NEW OR EXISTING WORK FROM DAMAGE DURING DEMOLITION OPERATIONS.
3. PROTECT EXISTING SITE APPURTENANCES AND LANDSCAPING TO REMAIN.
4. DAMAGES: WITHOUT COST TO THE OWNER AND WITHOUT DELAY, REPAIR ANY DAMAGES CAUSED TO FACILITIES TO REMAIN.

B. REMOVAL & DISPOSAL OF DEMOLISHED MATERIALS:

1. ALL DEMOLISHED OR REMOVED ITEMS AND MATERIALS SHALL BE CONSIDERED SCRAP EXCEPT FOR THOSE INDICATED TO REMAIN, THOSE INDICATED TO BE REINSTALLED, THOSE INDICATED TO BE SALVAGED, AND HISTORICAL ITEMS.
2. CONSTRUCTION OR ITEMS INDICATED TO REMAIN SHALL BE PROTECTED AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
3. PROMPTLY DISPOSE OF MATERIALS RESULTING FROM DEMOLITION OPERATIONS. DO NOT ALLOW MATERIALS TO ACCUMULATE ON SITE.
4. TRANSPORT MATERIALS RESULTING FROM DEMOLITION OPERATIONS AND LEGALLY DISPOSE OF OFF-SITE.
5. OFF-SITE DISPOSAL LOCATION SHALL NOT BE WITHIN ONE-HALF MILE OF ANY PORTION OF THE PROJECT SITE OR WITHIN SIGHT OF THE PROJECT SITE.
6. DO NOT BURN REMOVED MATERIALS ON PROJECT SITE.

C. POLLUTION CONTROLS:

1. CONTROL THE SPREAD OF DUST AND DIRT WITH PRACTICAL MEANS.
2. OBSERVE ENVIRONMENTAL PROTECTION REGULATIONS.
3. DO NOT ALLOW WATER USAGE THAT RESULTS IN FREEZING OR FLOODING.
4. DO NOT ALLOW ADJACENT IMPROVEMENTS TO REMAIN TO BECOME SOILED BY DEMOLITION OPERATIONS.

D. CLEANING:

1. REMOVE TOOLS AND EQUIPMENT. DISPOSE OF SCRAP.
2. LEAVE EXTERIOR AREAS FREE OF DEBRIS.
3. CLEAN SOIL, SMUDGES, AND DUST FROM SURFACES TO REMAIN.
4. RETURN STRUCTURES AND SURFACES TO REMAIN TO CONDITION EXISTING PRIOR TO COMMENCEMENT OF DEMOLITION.

N
GRID (GA WEST)

GRAPHIC SCALE
20 0 20 40
(IN FEET)
1 inch = 20 ft.

LEGEND:

XXXX ITEM TO BE REMOVED. CONTRACTOR SHALL INCLUDE DISPOSAL OF ITEM IN BID.

ITEM TO BE REMOVED. CONTRACTOR SHALL INCLUDE DISPOSAL OF ITEM IN BID.

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Know what's below. Call before you dig.

PTC Approved

CITY OF PEACHTREE CORNERS
310 TECHNOLOGY PARKWAY
PEACHTREE CORNERS, GA. 30092
(678) 691-1200

24 HOUR CONTACT INFORMATION
GREG RAMSEY (678) 691-1200

SEI
SOUTHEASTERN ENGINEERING, INC.
2470 Sandy Plains Road Marietta, Georgia 30066
417 Sylvaire Way Suite A Palmetto, Georgia 30268
tel: 770-321-3936
www.seieng.com

988-22-168

No	REVISION DESCRIPTION	DATE
1	-	-
2	-	-
3	-	-
4	-	-

EXISTING CONDITIONS & DEMOLITION PLAN

PEACHTREE CORNERS PUBLIC WORKS FACILITY
PROJECT LOCATED AT:
LL. 284 6TH DISTRICT
CITY OF PEACHTREE CORNERS
GWINNETT COUNTY, GEORGIA

GEORGIA REGISTERED NO. 31277 PROFESSIONAL ENGINEER E. WAYNE MATTHEWS JR.

ISSUED FOR:
PRELIMINARY

Project No.: 988-22-168
Designed By: JJS
Issue Date: 9/26/23

V0.0.1

FILE NAME: I:\CUSTOMERS_PROJECTS\988 City Of Peachtree Corners\988-22-168 Technology Parkway 350\Eng\Construction\988-22-168 C-GRAD.dwg PLOT STYLE: SEI-SITE-C.ctb PLOT DATE:9/26/2023 USER:JOHN SKIOTIS

FILE NAME: I:\CUSTOMERS_PROJECTS\988 City Of Peachtree Corners\988-22-168 Technology Parkway 350\Eng\Construction\988-22-168 C-SITE-OVER.dwg PLOT STYLE: SEI-SITE-C.ctb PLOT DATE:9/26/2023 USER:JOHN SKIOTIS

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PEACHTREE CORNERS, GA. 30092
(678) 691-1200

24 HOUR CONTACT INFORMATION
GREG RAMSEY (678) 691-1200

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OVERALL SITE PLAN

PEACHTREE CORNERS PUBLIC WORKS FACILITY
PROJECT LOCATED AT:
LL. 284 6TH DISTRICT
CITY OF PEACHTREE CORNERS
GWINNETT COUNTY, GEORGIA

GEORGIA REGISTERED NO. 31277 PROFESSIONAL ENGINEER E. WAYNE MATTHEWS JR.

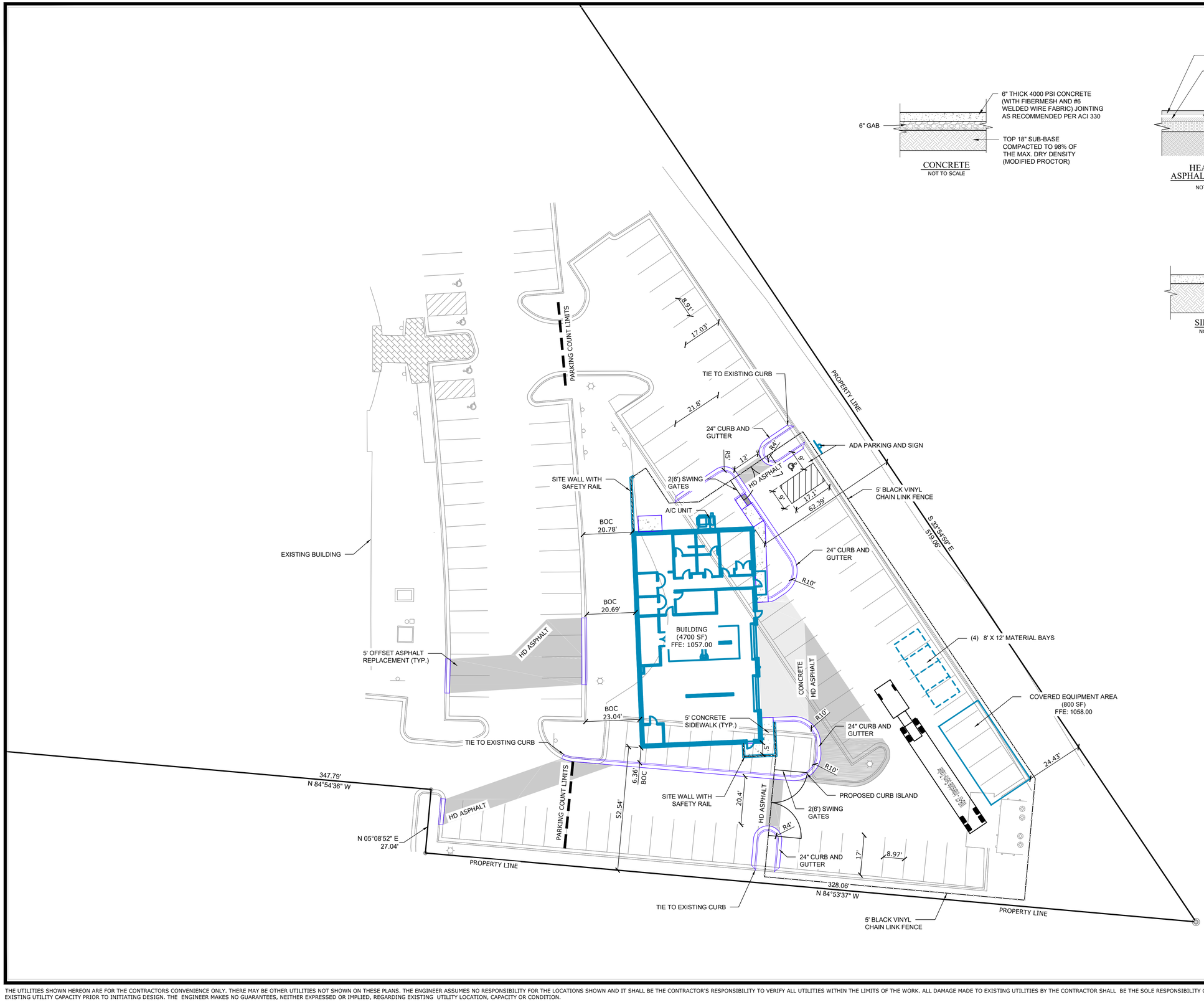
ISSUED FOR:
PRELIMINARY

Project No.: 988-22-168
Designed By: JJS
Issue Date: 9/26/23

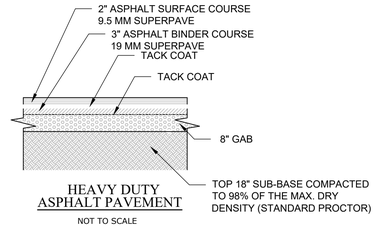
C1.0.0

811 Know what's below. Call before you dig.

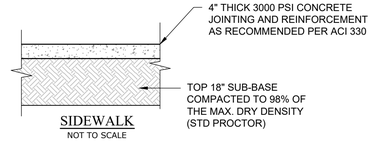
PTC Approved



CONCRETE
NOT TO SCALE



HEAVY DUTY ASPHALT PAVEMENT
NOT TO SCALE



SIDEWALK
NOT TO SCALE

PAVING LEGEND

- CONCRETE SIDEWALK
- CONCRETE
- HEAVY DUTY ASPHALT
- EXISTING PAVEMENT

GENERAL NOTES:

EXISTING PARKING SPACES = 82 SPACES

PROPOSED PARKING SPACES = 46 SPACES (-36 SPACES)

GRID (GA WEST)

GRAPHIC SCALE

20 0 20 40

(IN FEET)

1 inch = 20 ft.

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24 HOUR CONTACT INFORMATION
GREG RAMSEY (678) 691-1200

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SOUTHEASTERN ENGINEERING, INC.
2470 Sandy Plains Road Marietta, Georgia 30066
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tel: 770-321-3336
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988-22-168

No	REVISION DESCRIPTION	DATE
1	-	-
2	-	-
3	-	-
4	-	-

SITE PLAN

PEACHTREE CORNERS PUBLIC WORKS FACILITY
PROJECT LOCATED AT:
LL. 284 6TH DISTRICT
CITY OF PEACHTREE CORNERS
GWINNETT COUNTY, GEORGIA

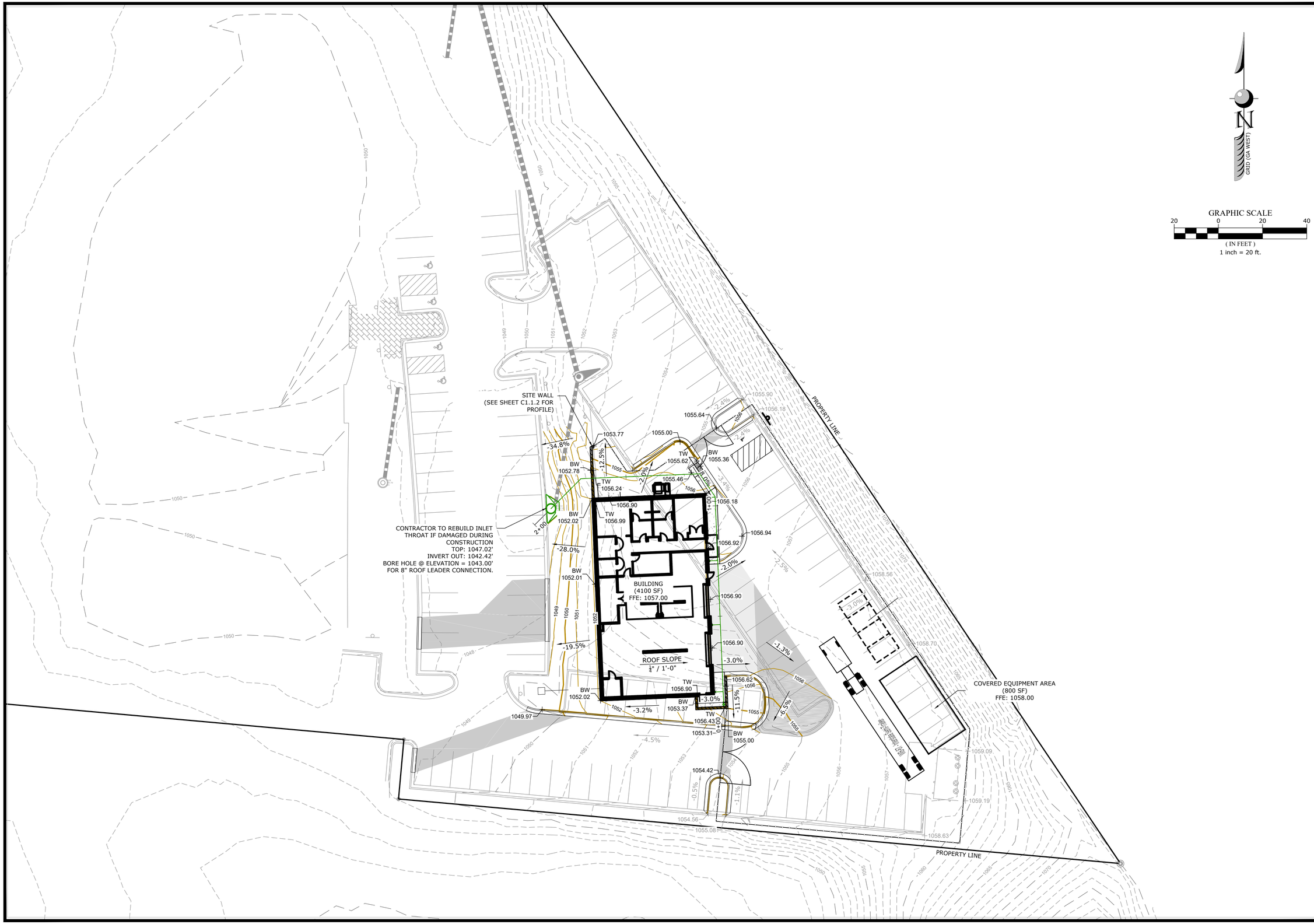
GEORGIA REGISTERED NO. 31277 PROFESSIONAL ENGINEER E. WAYNE MATTHEWS JR.

ISSUED FOR:
PRELIMINARY

Project No.: 988-22-168
Designed By: JJS
Issue Date: 9/26/23

C1.0.1

FILE NAME: I:\CUSTOMERS_PROJECTS\988 City Of Peachtree Corners\988-22-168 Technology Parkway 350\Eng\Construction\988-22-168 C-SITE.dwg PLOT STYLE: SEI-SITE-C.ctb PLOT DATE:9/26/2023 USER:JOHN SKIOTIS



FILE NAME: I:\CUSTOMERS_PROJECTS\988 City Of Peachtree Corners\988-22-168 Technology Parkway 350\Eng\Construction\988-22-168 C-GRAD.dwg PLOT STYLE: SEI-SITE-C.ctb PLOT DATE:9/26/2023 USER:JOHN SKIOTIS

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No	REVISION DESCRIPTION	DATE
1	-	-
2	-	-
3	-	-
4	-	-

GRADING PLAN

PEACHTREE CORNERS PUBLIC WORKS FACILITY
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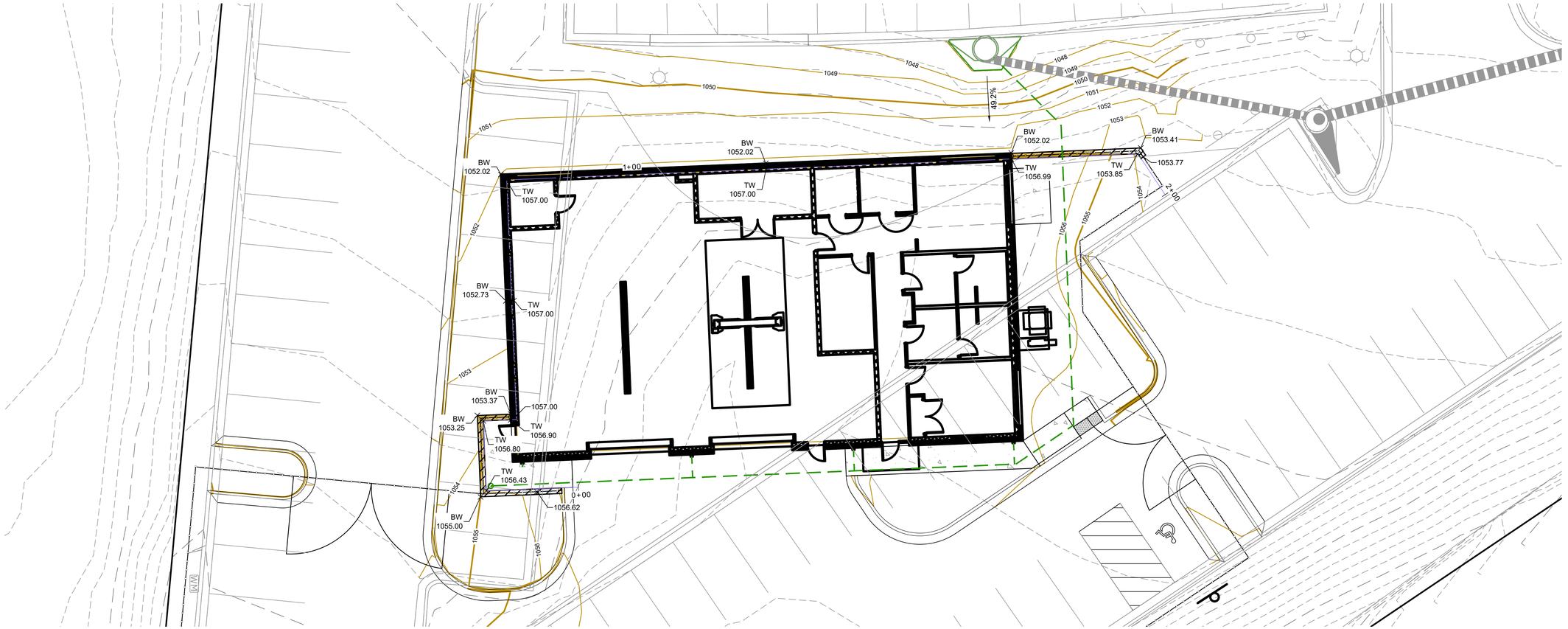
GEORGIA REGISTERED NO. 31277 PROFESSIONAL ENGINEER E. WAYNE MATTHEWS JR.

ISSUED FOR:
PRELIMINARY

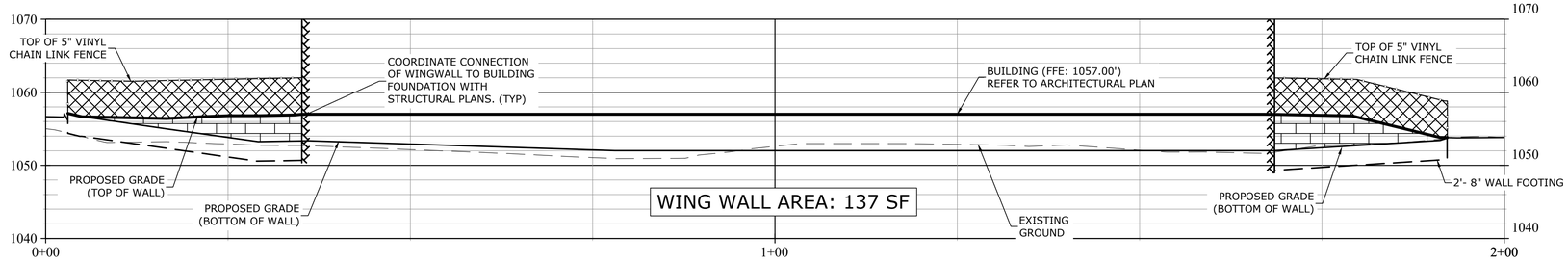
Project No.: 988-22-168
Designed By: JJS
Issue Date: 9/26/23

C1.1.1



PEACHTREE CORNERS
1 WALL PLAN

1" = 10'
0 5' 10' 20'



PEACHTREE CORNERS
2 WALL PROFILE

H: 1" = 10'
0 5' 10' 20'

V: 1" = 10'
0 5' 10' 20'

NOTES

1. REFER TO GWINNETT COUNTY WALL DETAIL #105 ON SHEET C5.0.2 FOR DIMENSIONS AND REINFORCING INFORMATION.
2. FALL PROTECTION AT TOP OF WALL PROPOSED TO BE INSIDE GRASSED AREA, NOT INTO STRUCTURE.

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4	-	-

CITY OF PEACHTREE CORNERS

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24 HOUR CONTACT INFORMATION
GREG RAMSEY (678) 691-1200

WALL PLAN & PROFILE

PEACHTREE CORNERS PUBLIC WORKS FACILITY
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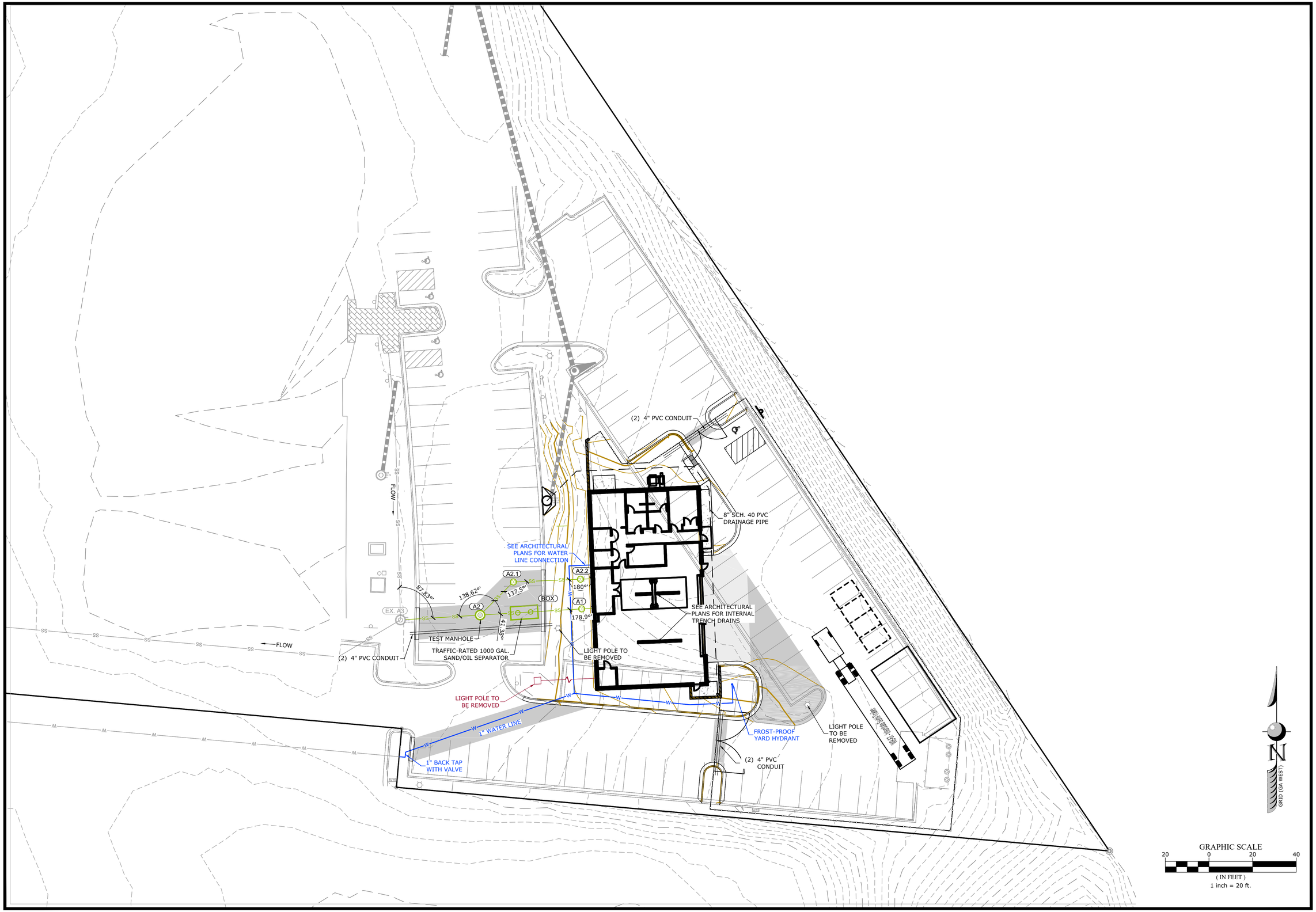
LL. 284 6TH DISTRICT
CITY OF PEACHTREE CORNERS
GWINNETT COUNTY, GEORGIA

GEORGIA REGISTERED NO. 31277 PROFESSIONAL ENGINEER E. WAYNE MATTHEWS JR.

ISSUED FOR:
PRELIMINARY

Project No.: 988-22-168
Designed By: JJS
Issue Date: 10/9/23

C1.1.2



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PROJECT OWNED/DEVELOPED BY:

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988-22-168

UTILITY PLAN

PEACHTREE CORNERS PUBLIC WORKS FACILITY
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GWINNETT COUNTY, GEORGIA

GEORGIA REGISTERED NO. 31277 PROFESSIONAL ENGINEER E. WAYNE MATTHEWS JR.

ISSUED FOR:
PRELIMINARY

Project No.: 988-22-168
Designed By: JJS
Issue Date: 9/26/23

C1.2.1

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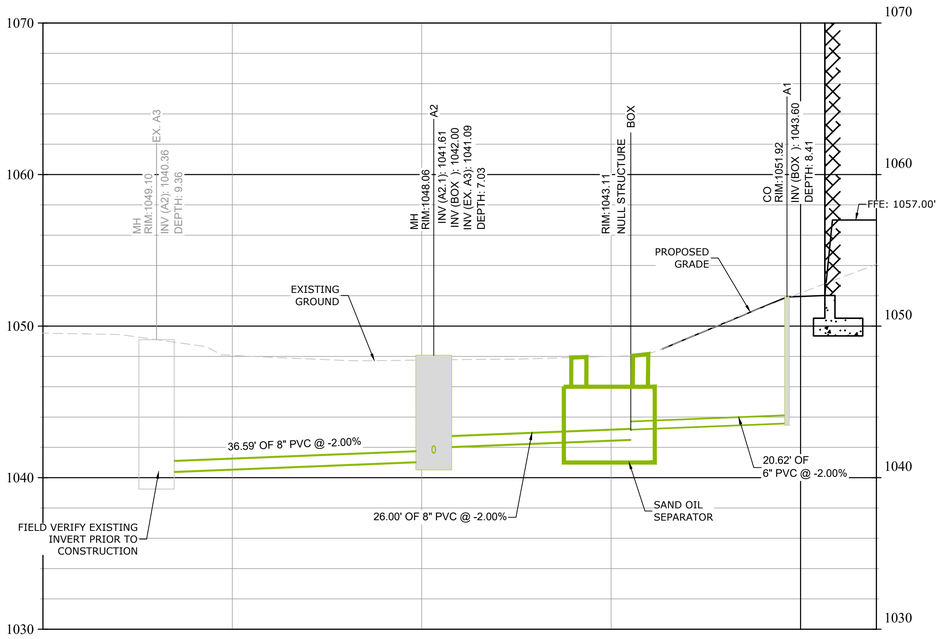
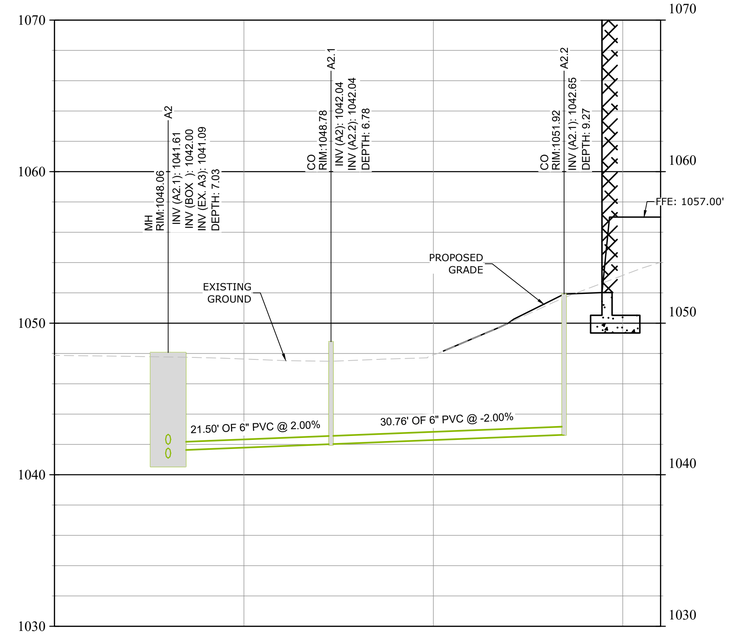


1 SANITARY SEWER 1 - PROFILE

H: 1" = 10'
0 5' 10' 20'

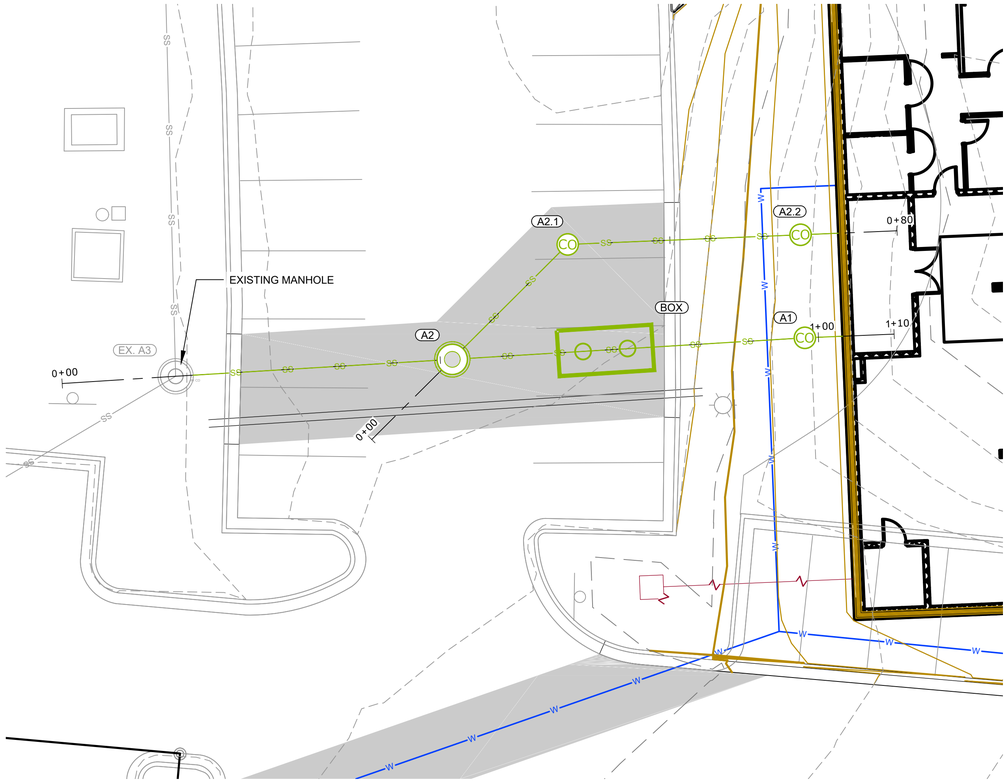
V: 1"=5'
0 5' 10' 10'



2 SANITARY SEWER 2 - PROFILE

H: 1" = 10'
0 5' 10' 20'

V: 1"=5'
0 5' 10' 10'



3 SANITARY SEWER - PLAN

H: 1" = 10'
0 5' 10' 20'

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PEACHTREE CORNERS, GA. 30092
(678) 691-1200

24 HOUR CONTACT INFORMATION
GREG RAMSEY (678) 691-1200

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tel: 770-321-3936
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No	REVISION DESCRIPTION	DATE
1	-	-
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4	-	-

SSWR PROFILE

PEACHTREE CORNERS PUBLIC WORKS FACILITY
PROJECT LOCATED AT:
LL. 284 6TH DISTRICT
CITY OF PEACHTREE CORNERS
GWINNETT COUNTY, GEORGIA

GEORGIA REGISTERED NO. 31277 PROFESSIONAL ENGINEER E. WAYNE MATTHEWS JR

ISSUED FOR:
PRELIMINARY

Project No.: 988-22-168
Designed By: JJS
Issue Date: 9/26/23

C1.2.2

811 Know what's below. Call before you dig.

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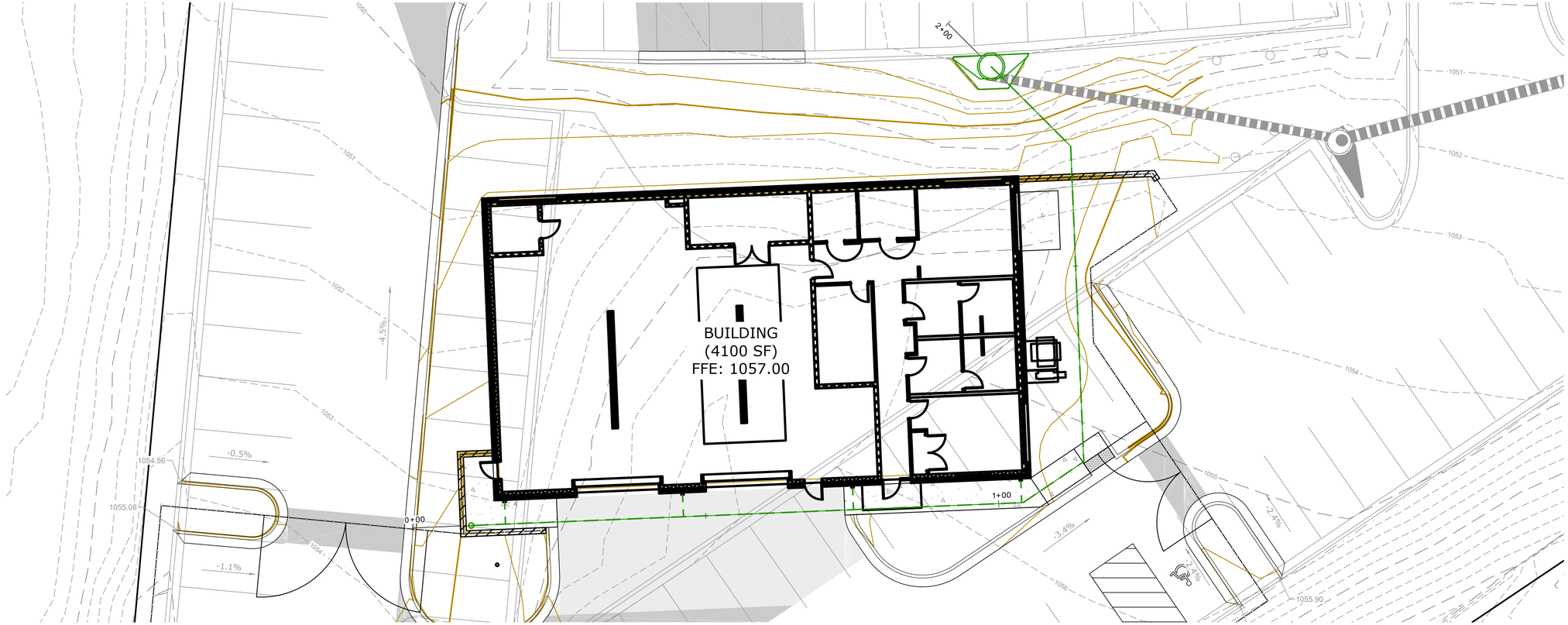
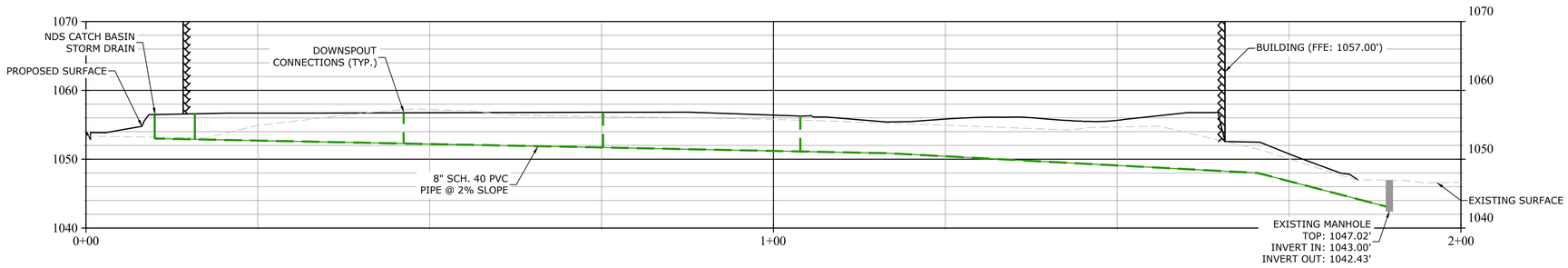


PEACHTREE CORNERS
1 STORM PLAN

1" = 10'
0 5' 10' 20'



PEACHTREE CORNERS
2 STORM PROFILE

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PROJECT OWNED/DEVELOPED BY:

CITY OF PEACHTREE CORNERS

310 TECHNOLOGY PARKWAY
PEACHTREE CORNERS, GA. 30092
(678) 691-1200

24 HOUR CONTACT INFORMATION
GREG RAMSEY (678) 691-1200

No	REVISION DESCRIPTION	DATE
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3	-	-
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tel: 770-321-3936
www.seengineering.com

988-22-168

STRM PROFILE

PEACHTREE CORNERS PUBLIC WORKS FACILITY
PROJECT LOCATED AT:
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CITY OF PEACHTREE CORNERS
GWINNETT COUNTY, GEORGIA

GEORGIA REGISTERED NO. 31277 PROFESSIONAL ENGINEER E. WAYNE MATTHEWS JR.

ISSUED FOR:
PRELIMINARY

Project No.: 988-22-168
Designed By: JJS
Issue Date: 9/26/23

C1.2.3

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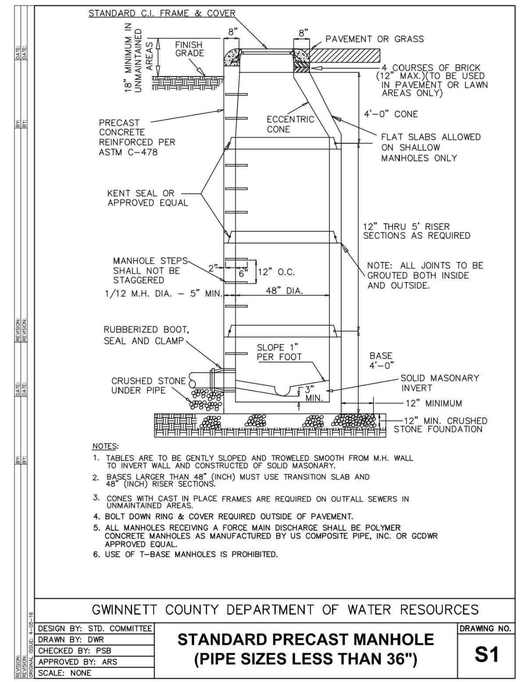
FILE NAME: I:\CUSTOMERS_PROJECTS\988 City Of Peachtree Corners\988-22-168 Technology Parkway 350\Eng\Construction\988-22-168 C-GRAD.dwg PLOT STYLE: SEI-SITE-C.ctb PLOT DATE:9/26/2023 USER:JOHN SKIOTIS

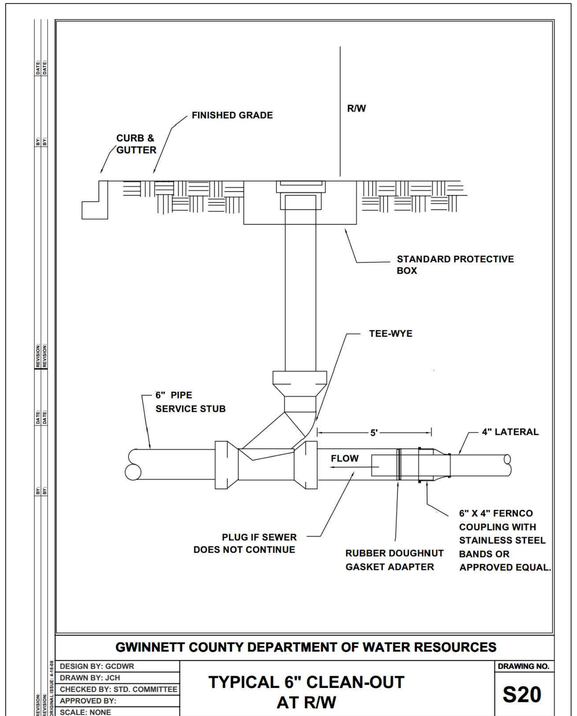


NOTES:

1. TABLES ARE TO BE GENTLY SLOPED AND TROWELED SMOOTH FROM M.H. WALL TO INVERT WALL AND CONSTRUCTED OF SOLID MASONARY.
2. BASES LARGER THAN 48" (INCH) MUST USE TRANSITION SLAB AND 48" (INCH) RISER SECTIONS.
3. CONES WITH CAST IN PLACE FRAMES ARE REQUIRED ON OUTFALL SEWERS IN UNMAINTAINED AREAS.
4. BOLT DOWN RING & COVER REQUIRED OUTSIDE OF PAVEMENT.
5. ALL MANHOLES RECEIVING A FORCE MAIN DISCHARGE SHALL BE POLYMER CONCRETE MANHOLES AS MANUFACTURED BY US COMPOSITE PIPE, INC. OR GCDWR APPROVED EQUAL.
6. USE OF T-BASE MANHOLES IS PROHIBITED.

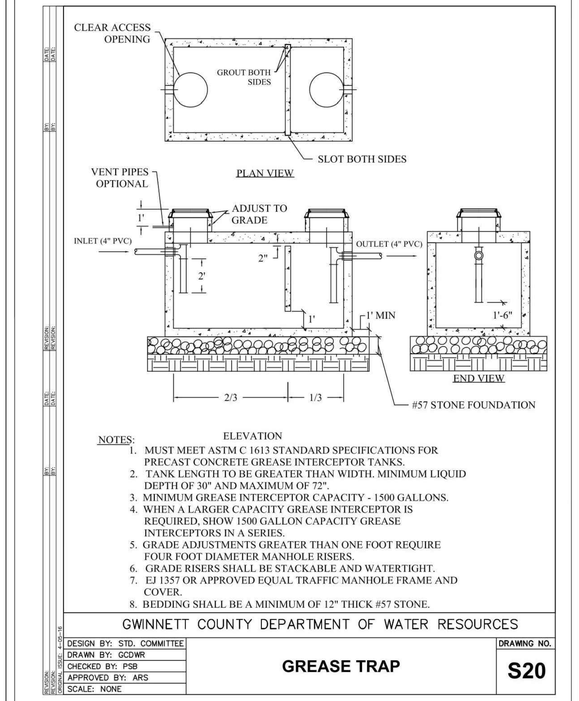
GWINNETT COUNTY DEPARTMENT OF WATER RESOURCES

DESIGN BY: STD. COMMITTEE DRAWN BY: DWR CHECKED BY: PSB APPROVED BY: ARS SCALE: NONE	**STANDARD PRECAST MANHOLE (PIPE SIZES LESS THAN 36")**	DRAWING NO. **S1**



GWINNETT COUNTY DEPARTMENT OF WATER RESOURCES

DESIGN BY: GCDWR DRAWN BY: JCH CHECKED BY: STD. COMMITTEE APPROVED BY: SCALE: NONE	**TYPICAL 6" CLEAN-OUT AT R/W**	DRAWING NO. **S20**

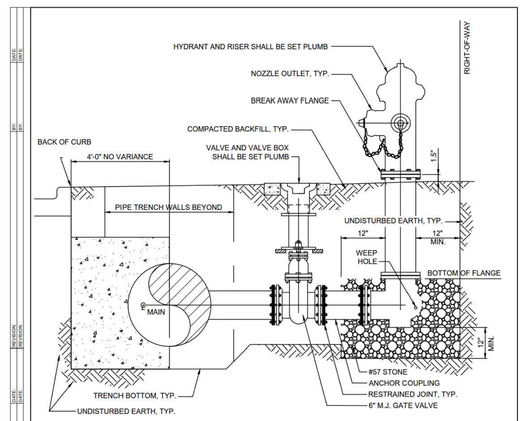


NOTES:

1. MUST MEET ASTM C 1613 STANDARD SPECIFICATIONS FOR PRECAST CONCRETE GREASE INTERCEPTOR TANKS.
2. TANK LENGTH TO BE GREATER THAN WIDTH. MINIMUM LIQUID DEPTH OF 30" AND MAXIMUM OF 72".
3. MINIMUM GREASE INTERCEPTOR CAPACITY - 1500 GALLONS.
4. WHEN A LARGER CAPACITY GREASE INTERCEPTOR IS REQUIRED, SHOW 1500 GALLON CAPACITY GREASE INTERCEPTORS IN A SERIES.
5. GRADE ADJUSTMENTS GREATER THAN ONE FOOT REQUIRE FOUR FOOT DIAMETER MANHOLE RISERS.
6. GRADE RISERS SHALL BE STACKABLE AND WATERTIGHT.
7. EJ 1357 OR APPROVED EQUAL TRAFFIC MANHOLE FRAME AND COVER.
8. BEDDING SHALL BE A MINIMUM OF 12" THICK #57 STONE.

GWINNETT COUNTY DEPARTMENT OF WATER RESOURCES

DESIGN BY: STD. COMMITTEE DRAWN BY: GCDWR CHECKED BY: PSB APPROVED BY: ARS SCALE: NONE	**GREASE TRAP**	DRAWING NO. **S20**



SECTION

NOTES:

PRIOR TO DIGGING THE UTILITIES PROTECTION CENTER INC. SHALL BE NOTIFIED BY CALLING 811

REFER TO TYPICAL TIE-ROD THRUST RESTRAINT DRAWING FOR ADDITIONAL DETAILS

REFER TO TYPICAL HORIZONTAL THRUST BLOCK DRAWING FOR ADDITIONAL DETAILS

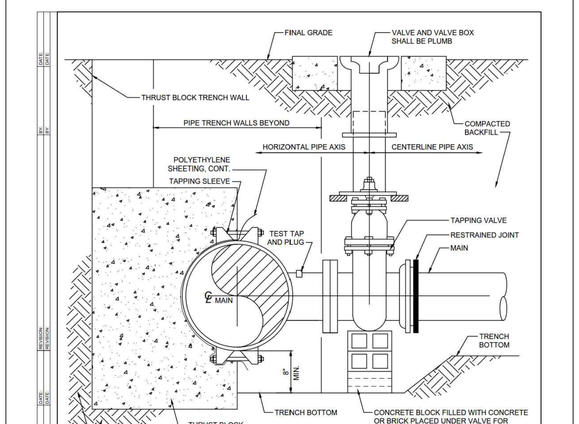
REFER TO TYPICAL VALVE BOX DRAWING FOR ADDITONAL DETAILS

DESIGN CRITERIA:

FOR WATER MAINS AT A RATED TEST PRESSURE OF 250 PSI

GWINNETT COUNTY DEPARTMENT OF WATER RESOURCES

DESIGN BY: GCDWR DRAWN BY: JCH CHECKED BY: JLM APPROVED BY: SCALE: NONE	**FIRE HYDRANT INSTALLATION SUBDIVISIONS**	DRAWING NO. **A31**



SECTION

NOTES:

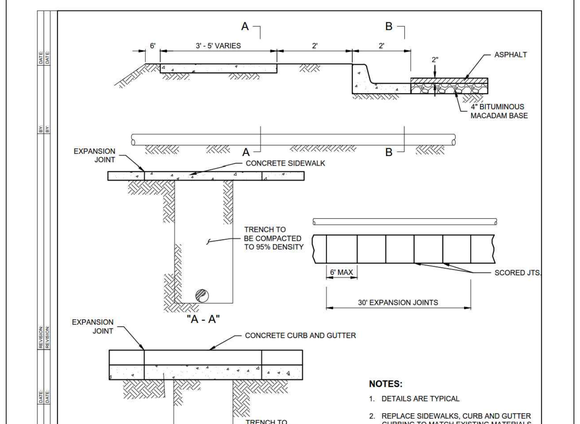
1. PRIOR TO DIGGING THE UTILITIES PROTECTION CENTER INC. SHALL BE NOTIFIED BY CALLING 811
2. TEMPORARILY SUPPORT TAPPING SLEEVE AND VALVE PRIOR TO HYDROSTATIC TESTING AND UPON ACCEPTANCE OF TEST THEN CONCRETE MAY BE INSTALLED AS SHOWN
3. REFER TO TYPICAL HORIZONTAL THRUST BLOCK DRAWING FOR ADDITIONAL DETAILS
4. REFER TO TYPICAL VALVE BOX INSTALLATION DRAWING FOR ADDITIONAL DETAILS

DESIGN CRITERIA:

1. FOR WATER MAINS AT A RATED TEST PRESSURE OF 250 PSI

GWINNETT COUNTY DEPARTMENT OF WATER RESOURCES

DESIGN BY: GCDWR DRAWN BY: JCH CHECKED BY: RRP APPROVED BY: SCALE: NONE	**TYPICAL TAPPING SLEEVE AND VALVE INSTALLATION**	DRAWING NO. **A8**



NOTES:

1. DETAILS ARE TYPICAL
2. REPLACE SIDEWALKS, CURB AND GUTTER CURBING TO MATCH EXISTING MATERIALS OR AS DIRECTED.

GWINNETT COUNTY DEPARTMENT OF WATER RESOURCES

DESIGN BY: GCDWR DRAWN BY: JCH CHECKED BY: RRP APPROVED BY: SCALE: NONE	**SIDEWALK CURB & GUTTER REPAIR**	DRAWING NO. **A45**

PROJECT OWNED/DEVELOPED BY:

CITY OF PEACHTREE CORNERS
310 TECHNOLOGY PARKWAY
PEACHTREE CORNERS, GA. 30092
(678) 691-1200

24 HOUR CONTACT INFORMATION
GREG RAMSEY (678) 691-1200

SEI
SOUTHEASTERN ENGINEERING, INC.
2470 Sandy Plains Road Marietta, Georgia 30066
417 Sylvaire Way Suite A Palmetto, Georgia 30268
tel: 770-321-3936
www.seengineering.com

988-22-168

No	REVISION DESCRIPTION	DATE
1	-	-
2	-	-
3	-	-
4	-	-

CONSTRUCTION DETAILS

PEACHTREE CORNERS PUBLIC WORKS FACILITY
PROJECT LOCATED AT:
LL. 284 6TH DISTRICT
CITY OF PEACHTREE CORNERS
GWINNETT COUNTY, GEORGIA

GEORGIA REGISTERED NO. 31277 PROFESSIONAL ENGINEER E. WAYNE MATTHEWS JR

ISSUED FOR:
PRELIMINARY

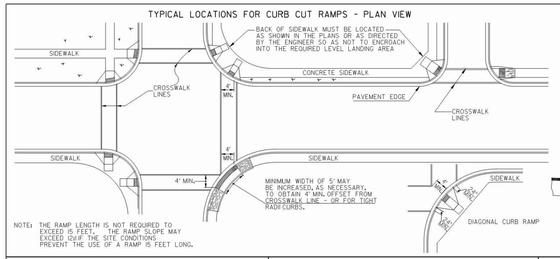
Project No.: 988-22-168
Designed By: JJS
Issue Date: 9/26/23

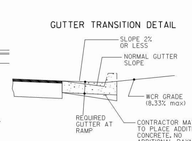
C5.0.1

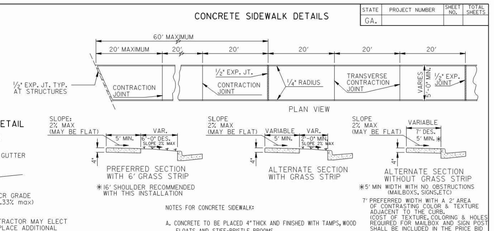
811 Know what's below. Call before you dig.

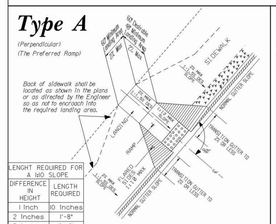
PTC Approved

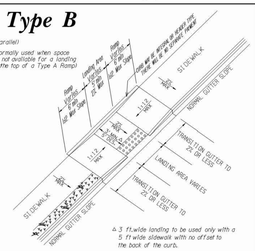
FILE NAME: I:\CUSTOMERS_PROJECTS\988 City Of Peachtree Corners\988-22-168 Technology Parkway 350\Eng\Construction\988-22-168 C-ANNO.dwg PLOT STYLE: ---- PLOT DATE:9/26/2023 USER:JOHN SKIOTIS

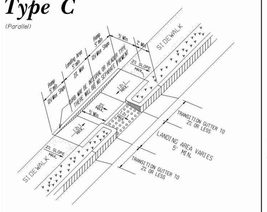


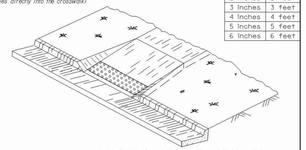


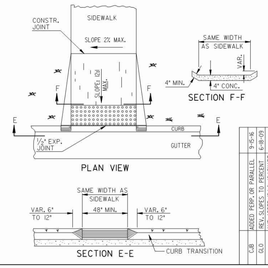


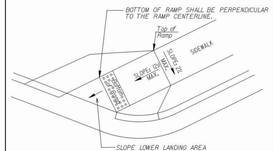












STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

NOTE: THE RAMP LENGTH IS NOT REQUIRED TO EXCEED 15 FEET. THE RAMP SLOPE MAY EXCEED 12:1 IF THE SITE CONDITIONS PREVENT THE USE OF A RAMP 15 FEET LONG.

✻5' MIN WIDTH WITH NO OBSTRUCTIONS (MAILBOXS, SIGNS,ETC)

7' PREFERRED WIDTH WITH A 2' AREA OF CONTRASTING COLOR & TEXTURE ADJACENT TO THE CURB. (COST OF TEXTURE, COLORING & HOLES REQUIRED FOR MAILBOX AND SIGN POST SHALL BE INCLUDED IN THE PRICE BID FOR SIDEWALK)

LENGHT REQUIRED FOR A 1:10 SLOPE	
DIFFERENCE IN HEIGHT	LENGTH REQUIRED
1 Inch	10 Inches
2 Inches	1'-8"
3 Inches	2'-6"
4 Inches	3'-4"
5 Inches	4'-2"
6 Inches	5 feet

LENGHT REQUIRED FOR A 1:12 SLOPE	
DIFFERENCE IN HEIGHT	LENGTH REQUIRED
1 Inch	1 foot
2 Inches	2 feet
3 Inches	3 feet
4 Inches	4 feet
5 Inches	5 feet
6 Inches	6 feet

NOTES FOR CONCRETE SIDEWALK:

A. CONCRETE TO BE PLACED 4" THICK AND FINISHED WITH TAMPS, WOOD FLOATS AND STIFF-BRISTLE BROOMS.

B. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 20 FT. INTERVALS. ALL EDGES TO BE ROUNDED TO ¼" RADIUS.

C. ½" EXPANSION JOINTS SHALL BE PLACED, WHERE SIDEWALK TIE INTO A STRUCTURE OR TERMINATE AT CURB, RAMPS OR DRIVEWAYS AND AT 60' INTERVALS.

NOTES FOR CURB CUT RAMPS:

1. CURB CUT RAMPS WILL BE LOCATED AS FOLLOWS UNLESS PLANS OR CONTRACT SPECIFY OTHERWISE.
   a) AT ALL PEDESTRIAN CROSSWALKS WHERE CURB IS CONSTRUCTED OR REPLACED.
   b) WHERE THE SIDEWALK, CONCRETE OR UNPAVED, IS INTERRUPTED BY THE CURB AT TURNOUTS OR AT INTERSECTIONS.
   c) AT OTHER LOCATIONS SUCH AS HOSPITALS, NURSING HOMES, REST AREAS, ETC.. WHERE THE CURB WOULD OTHERWISE BE AN OBSTRUCTION TO THE PHYSICALLY DISABLED.
2. RAMPS WILL BE CONSTRUCTED FROM CONCRETE. SPECIFICATIONS FOR RAMPS WILL BE THE SAME AS FOR CONCRETE SIDEWALK. RAMPS SHALL HAVE EITHER A ROUGH OR A TEXTURED FINISH.
3. DROP INLETS ARE NOT TO BE LOCATED DIRECTLY IN FRONT OF RAMPS. CATCH BASINS SHOULD BE LOCATED AT LEAST 10 FT. FROM RAMPS WHEN FEASIBLE.
4. WHERE RAMPS ARE LOCATED IN RADII, THE DIMENSIONS SHOWN FOR RAMP WIDTHS AND TAPERS ARE MEASURED PERPENDICULAR TO THE RAMP AND NOT ALONG THE CURVE.
5. WHERE UTILITY STRUCTURES CONFLICT, WHERE SIDEWALK GEOMETRY VARIES, AT SKEWED INTERSECTIONS, OR IN OTHER SPECIAL CASES, THE RAMP DESIGNS MAY BE MODIFIED BY THE DESIGNER OR ENGINEER, PROVIDED THAT THE WIDTH REMAINS A MINIMUM OF 48 INCHES, AND NO SLOPE ON THE ACCESSIBLE PART OF THE RAMP IS STEEPER THAN 12:1.
6. LIN. FT. OF CURB AND GUTTER WILL INCLUDE THE TRANSITIONED CURB IN FRONT OF RAMPS. SQ. YDS. OF CONCRETE SIDEWALK AND CONCRETE MEDIAN PAVING WILL INCLUDE RAMPS. NO ADDITIONAL PAYMENT WILL BE MADE FOR CURB RAMPS. NO ADDITIONAL PAYMENT WILL BE MADE FOR SAWING AND REMOVING EXISTING SIDEWALK OR CURB WHERE NECESSARY FOR RAMP CONSTRUCTION.
7. WHEN A CURB RAMP IS PLACED ON EXISTING PAVEMENT. THE PAVEMENT SHALL BE REMOVED TO PROVIDE A MINIMUM THICKNESS OF 3 INCHES OF CONCRETE AT ALL LOCATIONS. NO SEPARATE PAYMENT WILL BE MADE FOR REMOVAL OF THE PAVEMENT.
8. DETECTABLE WARNING SURFACES ARE REQUIRED ON ALL INTERSECTIONS WITH PUBLIC STREETS, SIGNALIZED COMMERCIAL DRIVEWAYS, AND COMMERCIAL DRIVEWAYS WITH AN AADT OF 25 VPD.

This Detail Replaces Ga Standard 9031W

Guidelines For Usage On Metric Projects

When these details are incorporated into plans and or projects that are being prepared or constructed in metric units, exact or precise conversion to metric units is not required. The dimensions shown that are in feet and inches may be converted to corresponding metric units using the following "Rounded-Off" conversion factors: 1" =25mm, 4"=100mm, and 12" or 1' =300mm. All measurement notes that refer to linear feet and square yards shall be interpreted to mean linear meters and square meters.

	REVISION	DATE
CJB	ADDED PERP. OR PARALLEL	9-15-16
GLO	REV. SLOPES TO PERCENT AND ADDED 12:1 & 10:1 CHART.	6-18-09
	ADDED GEN. NOTE NO. 8.	
GLO	REV. TRUNCATED DOMES	5-10-06
	REVISED	2-21-03
	REVISED	2-10-03
	REVISED	7-29-02
	REVISED	5-29-02
	REVISED	5-23-02
	REVISED	5-13-02
	REVISED	4-29-02
	REVISED	4-11-02
	REVISED	4-3-02
	REVISED	3-28-02

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SPECIAL DETAIL
CONCRETE SIDEWALK DETAILS
CURB CUT (WHEELCHAIR) RAMPS

NO SCALE
MARCH 12, 2002

NUMBER
A3

H	a	b	c	B	M BARS	N BARS	Q BARS	P BARS	T BARS	T1 BARS	L BARS	R BARS
3'-0"	0'-10 1/2"	0'-4"	0'-7"	1'-9 1/2"	#3 @ 12"	–	–	#3 @ 18"	#3 @ 12"	#4 @ 12"	#3 @ 12"	#3 @ 12"
4'-0"	0'-11"	0'-6"	0'-10"	2'-3"	#3 @ 12"	–	–	#3 @ 18"	#3 @ 12"	#4 @ 12"	#3 @ 12"	#3 @ 12"
5'-0"	0'-11 1/2"	0'-8"	1'-4"	2'-11 1/2"	#3 @ 12"	–	–	#3 @ 18"	#3 @ 12"	#4 @ 12"	#3 @ 12"	#3 @ 12"
6'-0"	1'-0"	0'-10"	1'-7"	3'-5"	#3 @ 12"	–	–	#3 @ 16"	#3 @ 12"	#4 @ 12"	#3 @ 12"	#3 @ 12"
7'-0"	1'-0 1/2"	1'-0"	1'-10"	3'-10 1/2"	#4 @ 24"	#4 @ 24"	–	#3 @ 10"	#3 @ 12"	#4 @ 12"	#3 @ 12"	#4 @ 12"
8'-0"	1'-1"	1'-1"	2'-1"	4'-3"	#4 @ 20"	#4 @ 20"	–	#4 @ 15"	#3 @ 12"	#4 @ 12"	#3 @ 12"	#4 @ 10"
9'-0"	1'-1 1/2"	1'-2"	2'-9"	5'-0 1/2"	#4 @ 21"	#4 @ 21"	#4 @ 21"	#4 @ 11"	#3 @ 10"	#4 @ 10"	#3 @ 12"	#4 @ 7"
10'-0"	1'-2"	1'-4"	2'-10"	5'-4"	#5 @ 27"	#5 @ 27"	#5 @ 27"	#5 @ 16"	#3 @ 10"	#4 @ 10"	#3 @ 12"	#5 @ 9"
11'-0"	1'-2 1/2"	1'-6"	3'-2"	5'-10 1/2"	#5 @ 21"	#5 @ 21"	#5 @ 21"	#5 @ 12"	#3 @ 10"	#4 @ 10"	#4 @ 12"	#5 @ 7"
12'-0"	1'-3"	1'-8"	3'-7"	6'-6"	#6 @ 27"	#6 @ 27"	#6 @ 27"	#5 @ 10"	#3 @ 10"	#4 @ 10"	#4 @ 12"	#6 @ 9"
13'-0"	1'-3 1/2"	1'-8"	4'-0"	6'-11 1/2"	#6 @ 21"	#6 @ 21"	#6 @ 21"	#4 @ 6"	#3 @ 10"	#4 @ 10"	#4 @ 12"	#6 @ 7"
14'-0"	1'-4"	2'-1"	4'-3"	7'-8"	#6 @ 18"	#6 @ 18"	#6 @ 18"	#4 @ 5"	#4 @ 16"	#5 @ 16"	#4 @ 12"	#6 @ 6"
15'-0"	1'-4 1/2"	2'-1"	4'-7"	8'-0 1/2"	#7 @ 21"	#7 @ 21"	#7 @ 21"	#5 @ 6"	#4 @ 16"	#5 @ 16"	#4 @ 12"	#7 @ 7"
16'-0"	1'-5"	2'-2"	4'-11"	8'-6"	#7 @ 18"	#7 @ 18"	#7 @ 18"	#5 @ 5"	#4 @ 16"	#5 @ 16"	#4 @ 12"	#7 @ 6"
17'-0"	1'-5 1/2"	2'-3"	5'-3"	8'-11 1/2"	#7 @ 15"	#7 @ 15"	#7 @ 15"	#6 @ 6"	#4 @ 16"	#5 @ 16"	#4 @ 12"	#7 @ 5"
18'-0"	1'-6"	2'-4"	5'-7"	9'-5"	#8 @ 18"	#8 @ 18"	#8 @ 18"	#6 @ 5 1/2"	#4 @ 16"	#5 @ 16"	#4 @ 12"	#8 @ 6"
19'-0"	1'-6 1/2"	2'-6"	6'-1"	10'-1 1/2"	#8 @ 15"	#8 @ 15"	#8 @ 15"	#7 @ 6 1/2"	#4 @ 12"	#5 @ 12"	#4 @ 12"	#8 @ 5"
20'-0"	1'-7"	2'-8"	6'-6"	10'-9"	#9 @ 18"	#9 @ 18"	#9 @ 18"	#7 @ 6"	#4 @ 12"	#5 @ 12"	#4 @ 12"	#9 @ 6"

NOTES:

1. CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI.
2. MINIMUM REQUIRED SOIL BEARING CAPACITY IS 3000 PSF.
3. THIS WALL IS DESIGNED FOR LEVEL BACKFILL CONDITIONS ONLY WITHOUT SURCHARGE LOADING. WALLS FOR APPLICATIONS WHICH INCLUDE SLOPED BACKFILL CONDITIONS, SURCHARGE LOADS, FLUID DETENTION, ETC. SHALL BE DESIGNED BY A GEORGIA STATE REGISTERED PROFESSIONAL ENGINEER.
4. REQUIRED SOIL BEARING CAPACITY SHALL BE VERIFIED AT THE TIME OF EXCAVATION.

GWINNETT COUNTY
DEPARTMENT OF PLANNING & DEVELOPMENT
STANDARD DRAWING
Concrete Cantilever Retaining Wall
DATE: JANUARY 1988 SHEET: 105

NOTE:

TYPICAL TREATMENT FOR SKEWED PIPES ARE: CIRCULAR PRECAST UNITS; PRECAST SWIVEL SECTIONS; PIPE ELBOWS OR INCREASED BOX SIZES TO ACCOMODATE THE SKEWS.

SEE SEPARATE STANDARDS FOR PRECAST ALTERNATES.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
CATCH BASINS
FOR USE WITH CURB (6" OR 8" HT.) & GUTTER
(IN SAGS OR LOW POINTS)

SCALE AS SHOWN
REV. & RED. AUGUST, 1982

REV. & REDR. R.M.U.
TRA. G.M.E.
CHK. R.K.C.
(SUBMITTED) Floyd E. Hardy
STATE ROAD & AIRPORT DESIGN ENGR.
(APPROVED) Thomas D. Moreland
STATE HIGHWAY ENGINEER

NUMBER
1034D

FILE NAME: I:\CUSTOMERS_PROJECTS\988 City Of Peachtree Corners\988-22-168 Technology Parkway 350\Eng\Construction\988-22-168 C-ANNO.dwg PLOT STYLE: ---- PLOT DATE:9/26/2023 USER:JOHN SKIOTIS

988-22-168

SOUTHEASTERN ENGINEERING, INC.
2470 Sandy Plains Road Marietta, Georgia 30066
417 Selborne Way Suite A Palmetto, Gorgia 30268
tel: 770-321-3936
www.seengineering.com

No	REVISION DESCRIPTION	DATE
1	-	-
2	-	-
3	-	-
4	-	-

PROJECT OWNED/DEVELOPED BY:
CITY OF PEACHTREE CORNERS
310 TECHNOLOGY PARKWAY
PEACHTREE CORNERS, GA. 30092
(678) 691-1200

24 HOUR CONTACT INFORMATION
GREG RAMSEY (678) 691-1200

CONSTRUCTION DETAILS

PEACHTREE CORNERS PUBLIC WORKS
FACILITY
PROJECT LOCATED AT:
LL. 284 6TH DISTRICT
CITY OF PEACHTREE CORNERS
GWINNETT COUNTY, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER
NO. 31277
E. WAYNE MATTHEWS JR.

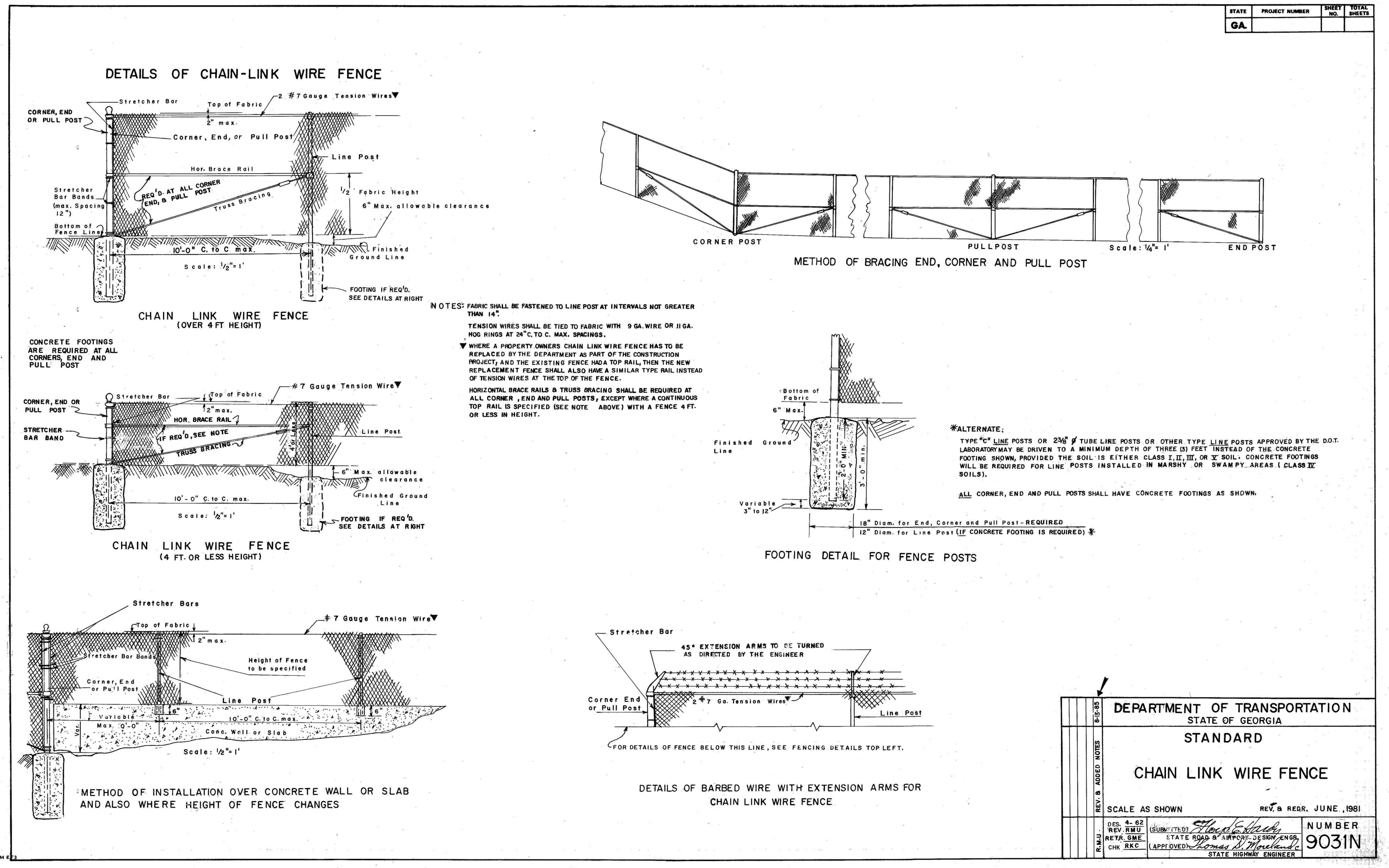
ISSUED FOR:
PRELIMINARY

Project No.: 988-22-168
Designed By: JJS
Issue Date: 9/26/23

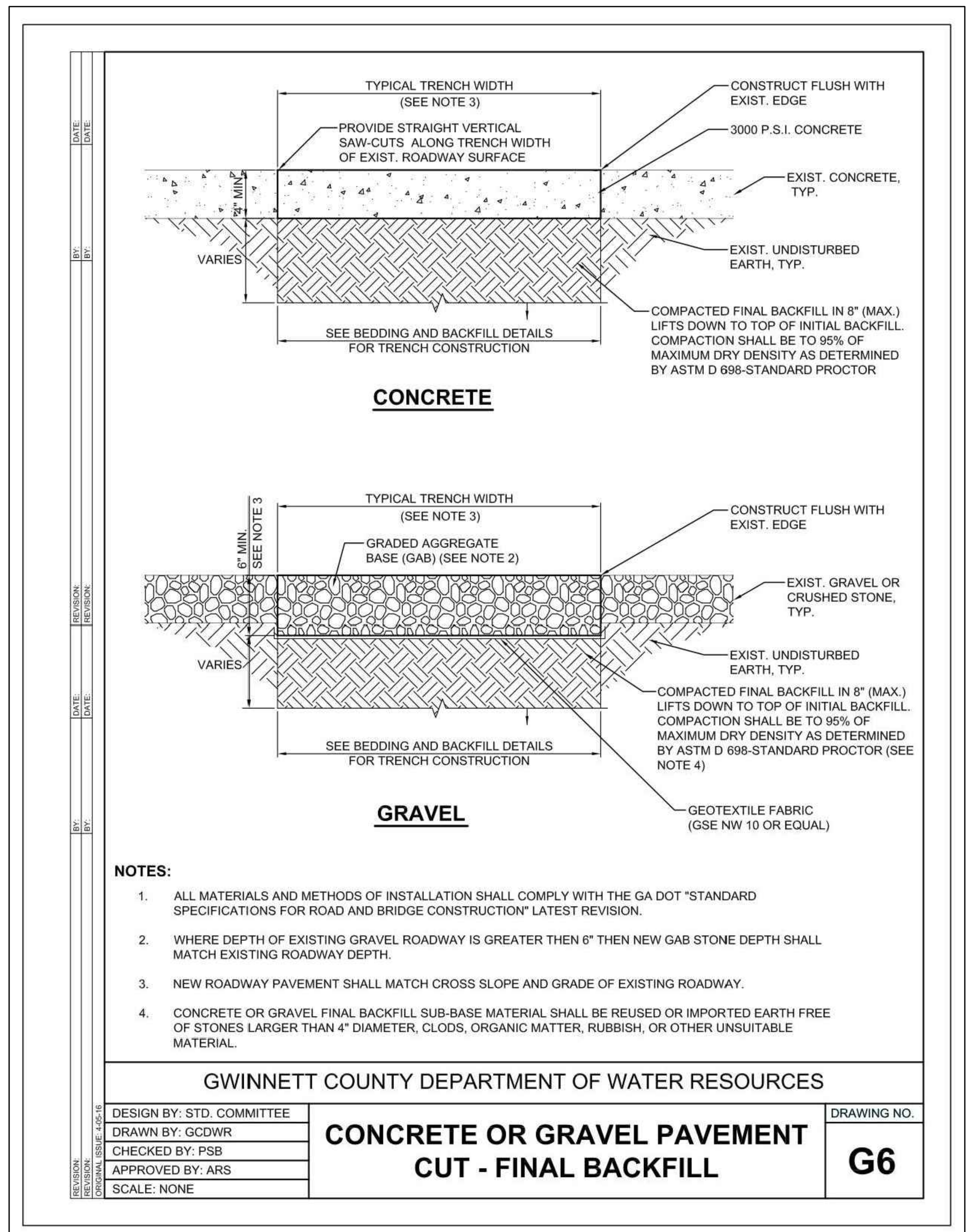
C5.0.2

811
Know what's below.
Call before you dig.

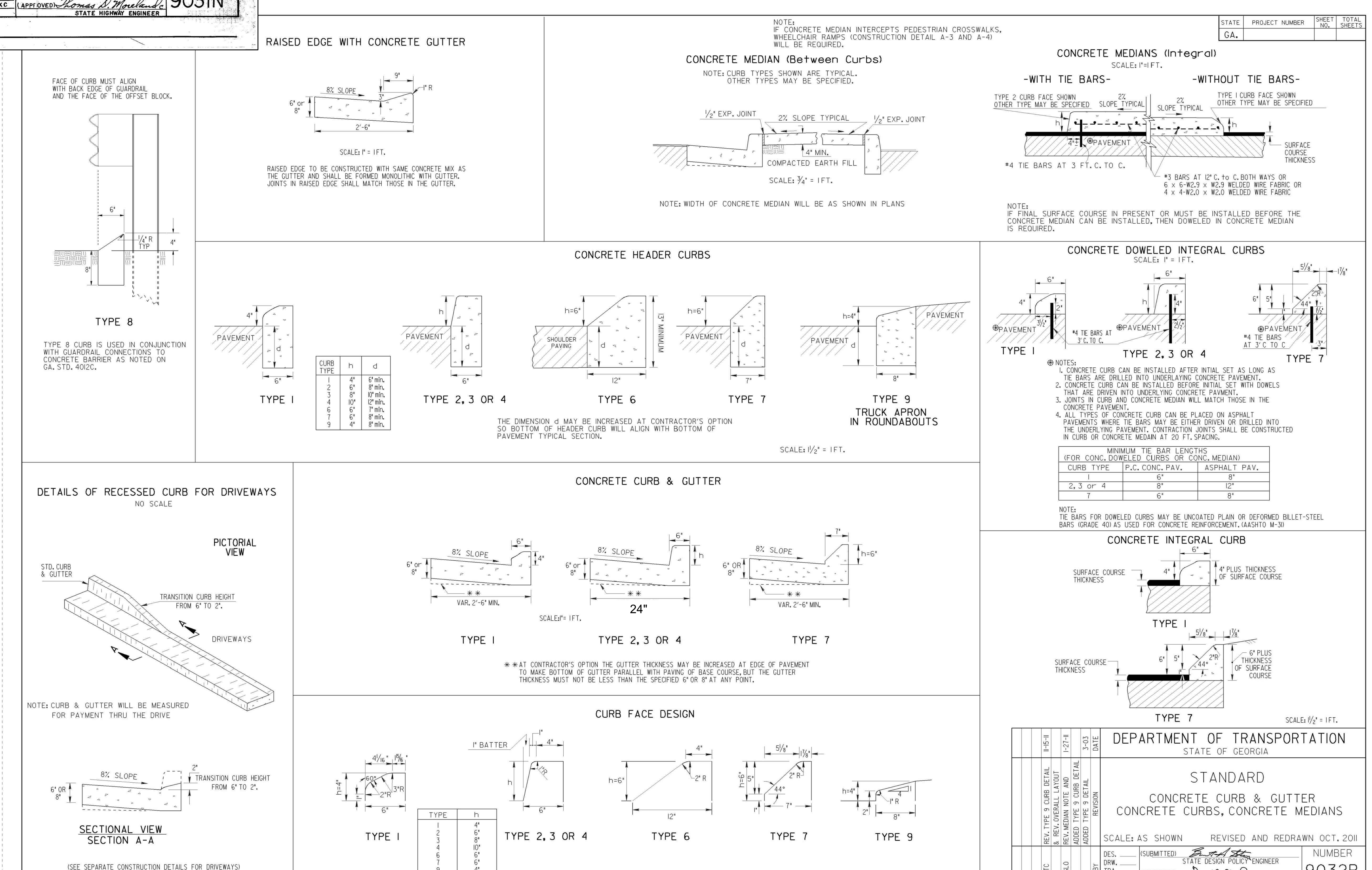
PTC
Approved



DETAILS OF CHAIN-LINK WIRE FENCE
CHAIN LINK WIRE FENCE (OVER 4 FT HEIGHT)
CONCRETE FOOTINGS ARE REQUIRED AT ALL CORNERS, END AND PULL POST
CHAIN LINK WIRE FENCE (4 FT. OR LESS HEIGHT)
METHOD OF INSTALLATION OVER CONCRETE WALL OR SLAB AND ALSO WHERE HEIGHT OF FENCE CHANGES
CORNER POST
PULLPOST
Scale: 1/4"= 1'
END POST
METHOD OF BRACING END, CORNER AND PULL POST
NOTES: FABRIC SHALL BE FASTENED TO LINE POST AT INTERVALS NOT GREATER THAN 14".
TENSION WIRES SHALL BE TIED TO FABRIC WITH 9 GA. WIRE OR 11 GA. HOG RINGS AT 24" C. TO C. MAX. SPACINGS.
▼ WHERE A PROPERTY OWNERS CHAIN LINK WIRE FENCE HAS TO BE REPLACED BY THE DEPARTMENT AS PART OF THE CONSTRUCTION PROJECT, AND THE EXISTING FENCE HAD A TOP RAIL, THEN THE NEW REPLACEMENT FENCE SHALL ALSO HAVE A SIMILAR TYPE RAIL INSTEAD OF TENSION WIRES AT THE TOP OF THE FENCE.
HORIZONTAL BRACE RAILS & TRUSS BRACING SHALL BE REQUIRED AT ALL CORNER, END AND PULL POSTS, EXCEPT WHERE A CONTINUOUS TOP RAIL IS SPECIFIED (SEE NOTE ABOVE) WITH A FENCE 4 FT. OR LESS IN HEIGHT.
*ALTERNATE:
TYPE "C" LINE POSTS OR 2 3/8" Ø TUBE LINE POSTS OR OTHER TYPE LINE POSTS APPROVED BY THE D.O.T. LABORATORY MAY BE DRIVEN TO A MINIMUM DEPTH OF THREE (3) FEET INSTEAD OF THE CONCRETE FOOTING SHOWN, PROVIDED THE SOIL IS EITHER CLASS I, II, III, OR V SOIL. CONCRETE FOOTINGS WILL BE REQUIRED FOR LINE POSTS INSTALLED IN MARSHY OR SWAMPY AREAS (CLASS IV SOILS).
ALL CORNER, END AND PULL POSTS SHALL HAVE CONCRETE FOOTINGS AS SHOWN.
18" Diam. for End, Corner and Pull Post - REQUIRED
12" Diam. for Line Post (IF CONCRETE FOOTING IS REQUIRED) *
FOOTING DETAIL FOR FENCE POSTS
DETAILS OF BARBED WIRE WITH EXTENSION ARMS FOR CHAIN LINK WIRE FENCE
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
STANDARD
CHAIN LINK WIRE FENCE
SCALE AS SHOWN
REV. & REDR. JUNE, 1981
NUMBER
9031N



TYPICAL TRENCH WIDTH (SEE NOTE 3)
CONSTRUCT FLUSH WITH EXIST. EDGE
PROVIDE STRAIGHT VERTICAL SAW-CUTS ALONG TRENCH WIDTH OF EXIST. ROADWAY SURFACE
3000 P.S.I. CONCRETE
EXIST. CONCRETE, TYP.
EXIST. UNDISTURBED EARTH, TYP.
VARIES
COMPACTED FINAL BACKFILL IN 8" (MAX.) LIFTS DOWN TO TOP OF INITIAL BACKFILL. COMPACTION SHALL BE TO 95% OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 698-STANDARD PROCTOR
SEE BEDDING AND BACKFILL DETAILS FOR TRENCH CONSTRUCTION
CONCRETE
GRADED AGGREGATE BASE (GAB) (SEE NOTE 2)
EXIST. GRAVEL OR CRUSHED STONE, TYP.
GEOTEXTILE FABRIC (GSE NW 10 OR EQUAL)
GRAVEL
NOTES:
1. ALL MATERIALS AND METHODS OF INSTALLATION SHALL COMPLY WITH THE GA DOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST REVISION.
2. WHERE DEPTH OF EXISTING GRAVEL ROADWAY IS GREATER THEN 6" THEN NEW GAB STONE DEPTH SHALL MATCH EXISTING ROADWAY DEPTH.
3. NEW ROADWAY PAVEMENT SHALL MATCH CROSS SLOPE AND GRADE OF EXISTING ROADWAY.
4. CONCRETE OR GRAVEL FINAL BACKFILL SUB-BASE MATERIAL SHALL BE REUSED OR IMPORTED EARTH FREE OF STONES LARGER THAN 4" DIAMETER, CLODS, ORGANIC MATTER, RUBBISH, OR OTHER UNSUITABLE MATERIAL.
GWINNETT COUNTY DEPARTMENT OF WATER RESOURCES
DESIGN BY: STD. COMMITTEE
DRAWN BY: GCDWR
CHECKED BY: PSB
APPROVED BY: ARS
SCALE: NONE
CONCRETE OR GRAVEL PAVEMENT CUT - FINAL BACKFILL
DRAWING NO.
G6



RAISED EDGE WITH CONCRETE GUTTER
CONCRETE MEDIAN (Between Curbs)
CONCRETE MEDIANS (Integral)
-WITH TIE BARS-
-WITHOUT TIE BARS-
TYPE 8
CONCRETE HEADER CURBS
TYPE 1
TYPE 2, 3 OR 4
TYPE 6
TYPE 7
TYPE 9
TRUCK APRON IN ROUNDABOUTS
CONCRETE DOWELED INTEGRAL CURBS
DETAILS OF RECESSED CURB FOR DRIVEWAYS
PICTORIAL VIEW
SECTIONAL VIEW SECTION A-A
CONCRETE CURB & GUTTER
CURB FACE DESIGN
CONCRETE INTEGRAL CURB
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
STANDARD
CONCRETE CURB & GUTTER
CONCRETE CURBS, CONCRETE MEDIANS
SCALE: AS SHOWN
REVISED AND REDRAWN OCT. 2011
NUMBER
9032B

SOUTHEASTERN ENGINEERING, INC.
2470 Sandy Plains Road Marietta, Georgia 30066
417 Selborne Way Suite A Palmetto, Gorgia 30268
tel: 770-321-3936
www.seengineering.com

988-22-168

No	REVISION DESCRIPTION	DATE
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(678) 691-1200

24 HOUR CONTACT INFORMATION
GREG RAMSEY (678) 691-1200

CONSTRUCTION DETAILS

PEACHTREE CORNERS PUBLIC WORKS FACILITY
PROJECT LOCATED AT:
LL. 284 6TH DISTRICT
CITY OF PEACHTREE CORNERS
GWINNETT COUNTY, GEORGIA

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 31277 E. WAYNE MATTHEWS JR.

ISSUED FOR:
PRELIMINARY

Project No.: 988-22-168
Designed By: JJS
Issue Date: 9/26/23

C5.0.3

811 Know what's below. Call before you dig.
PTC Approved

FILE NAME: I:\CUSTOMERS_PROJECTS\988 City Of Peachtree Corners\988-22-168 Technology Parkway 350\Eng\Construction\988-22-168 C-ANNO.dwg PLOT STYLE: ---- PLOT DATE:9/26/2023 USER:JOHN SKIOTIS

㊱ CLEARING PHASE EROSION CONTROL NOTES:

1. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50 FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING NECESSARY VARIANCES AND PERMITS.
2. PRIOR TO THE LAND DISTURBING CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR. THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY AS NEEDED TO INSTALL THE INITIAL BMP'S AND AS DESCRIBED IN THE PLANS.
3. THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD. NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES. 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.
4. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
5. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.
6. THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.
   - 6.1. THE CONSTRUCTION EXIT, CONSISTING OF A MINIMUM PAD SIX OF 20 FEET BY 50 FEET WITH A MINIMUM OF 6" THICK STONE, SHALL BE PLACED AS SHOWN ON THE PLAN AND AS DETAILED IN MANUAL FOR EROSION CONTROL IN GEORGIA. THE STONE SIZE SHOULD CONSIST OF COURSE AGGREGATE BETWEEN 1-1/2" & 3 1/2" IN DIAMETER AND OVERLAID ON A GEOTEXTILE UNDERLINER. THE GEOTEXTILE UNDERLINER SHALL MEET THE REQUIREMENTS OF AASHTO M288-96, SECTION 7.3 SEPARATION REQUIREMENTS.
   - 6.2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL AND STORM WATER MANAGEMENT DEVICES (IF ALSO INTENDED FOR SEDIMENT STORAGE) SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN. IN SOME INSTANCES, SOME PRELIMINARY GRADING MAY BE REQUIRED TO INSTALL STORMWATER MANAGEMENT FACILITIES OR TEMPORARY SEDIMENT BASINS. IMMEDIATELY FOLLOWING PRELIMINARY GRADING ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT DIVERSION DIKES AS SHOWN ON PLAN. THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT POND UNTIL CONSTRUCTION IS COMPLETE AND PERMANENT SURROUNDING GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE 1/3 DEPTH OF BASIN. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.
   - 6.3. SILT FENCE (SENSITIVE AND NON-SENSITIVE) SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-20.2.THE SILT FENCE SHOULD BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES ½ HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
   - 6.4. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLAN. SEE SEPARATE DETAILS FOR SPECIFICS ON TYPE OF INLET PROTECTION SPECIFIED.
   - 6.5. STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.
   - 6.6. TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
7. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANTS ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTOR.
8. AMENDMENTS/REVISIONS TO THE ESPC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
9. AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT PONDS AND DIVERSION DIKES AS SHOWN ON THE CLEARING PHASE PLAN TO CONTROL EROSION AND STORM WATER RUN OFF. THE CONTRACTOR MAY UTILIZE DOWNED TREES AND OTHER CUT VEGETATION FOR SEDIMENT CONTROL OR AS A "BRUSH BARRIER" IN AREAS SHOWN ON PLAN WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR. * NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE MUNICIPALITY, OWNER AND/OR ENGINEER OF RECORD.
10. ADDITIONAL SILT BARRIERS MUST BE PLACED AS SHOWN ON THE PLAN AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND SEDIMENT PONDS ARE CONSTRUCTED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.
11. ALL SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, 1983 EDITION.
12. ALL ITEMS IN THIS SECTION OF THE SPECIFICATIONS SHALL MEET THE REQUIREMENTS AS SET FORTH IN SECTION 161, 162, 163 AND 184 OF THE GEORGIA D.O.T. STANDARD SPECIFICATIONS, FOR ROADS AND BRIDGES.
13. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.
14. ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.
15. SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
16. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.
17. CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
18. 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 AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.
19. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.
20. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE HALF WAY POINT ON THE RISER.
21. SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.
22. CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
23. 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 AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.
24. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.
25. UPON COMPLETION OF THE PROJECT AND RECEIPT OF CERTIFICATE OF OCCUPANCY, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED ON PLANS

1. SHADED AREAS SHOWN ON GRADING PHASE EROSION CONTROL PLANS REPRESENT CRITICAL WORK ZONES. AT THE END OF EACH WORK DAY ALL SLOPES 2:1 OR STEEPER AND HIGHER THAN 5 FEET SHALL RECEIVE SURFACE ROUGHENING, POLYMERS, AND EROSION CONTROL MATTING. ADDITIONALLY, ALL FILL SLOPES SHALL RECEIVE A DIVERSION DIKE AND TEMPORARY DOWN DRAINS ALONG THE TOP OF THE SLOPE PREVENTING DRAINAGE SPILLING OVER THE EDGE AND DOWN THE FACE OF THE SLOPE. THE TEMPORARY DOWN DRAINS SHALL BE CONSTRUCTED WITH PERFORATED STAND PIPES AT THE TOP OF THE SLOPE AND RECONSTRUCTED EACH DAY AS THE SLOPE INCREASES IN HEIGHT. (NO CRITICAL AREAS EXIST ON THIS SITE)

2. EROSION CONTROL AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

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

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

GSWCC
GEORGIA SOIL AND WATER CONSERVATION COMMISSION

②
E. Wayne Matthews, Jr.
Level II Certified Design Professional

CERTIFICATION NUMBER 0000035388
ISSUED: 02/06/2010 EXPIRES: 02/06/2025

㊱ GRADING PHASE EROSION CONTROL NOTES:

1. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY WHERE NECESSARY TO PERFORM GRADING AND INSTALL UTILITIES. NOTE ANY SUB PHASES THAT MAY BE SHOWN ON PLANS.
2. EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.
3. THE FOLLOWING CONSTRUCTION ACTIVITIES AND IMPLEMENTATION OF EROSION CONTROL MEASURES MAY OCCUR DURING THE INTERMEDIATE/GRADING PHASE OF CONSTRUCTION.
   - 3.1. GRADING AND EARTHWORK
   - 3.2. MAJOR UTILITIES INSTALLATION SUCH AS STORM DRAINAGE, SANITARY SEWER AND POTABLE WATER LINE
   - 3.3. ROADWAY PREPARATION AND PAVING
   - 3.4. MAINTENANCE AND MODIFICATIONS TO TEMPORARY EROSION CONTROL MEASURES AS DEPICTED IN THE PLANS
4. SEDIMENT SHALL NOT BE ALLOWED TO DRAIN INTO EXISTING OR PROPOSED INLETS. SEDIMENT COLLECTED DURING MAINTENANCE OF EROSION CONTROL DEVICES SHALL BE REMOVED FROM THE SITE OR SPREAD IN LANDSCAPED OR NATURALLY VEGETATED AREAS, SEEDED AND COVERED WITH STRAW OR MULCH.
5. EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.
6. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY EROSION CONTROL MEASURES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.
7. TYPE "C" SILT FENCE SHOULD BE INSTALLED AT THE TOE OF ALL FILL SLOPES 10 FEET OR GREATER IN HEIGHT. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-20.2. THE SILT FENCE SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES ½ HEIGHT OF BARRIER. ADDITIONALLY, DIVERSION DIKES SHALL BE CONSTRUCTED ALONG THE TOP OF ALL SAID FILL SLOPES WITH THE USE OF TEMPORARY DOWN DRAINS TO CONTROL STORM WATER RUN OFF AS SHOWN ON THE PLANS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING SILT BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED.
9. CUT AND FILL SLOPES ARE NOT TO EXCEED 2H:1V
10. ALL SLOPES STEEPER THAN 2.5:1 AND WITH A HEIGHT OF TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFERS, SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL MATTING OR BLANKETS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.
11. TYPE "C" SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.
12. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED. SEE PLAN VIEW FOR SPECIFIC TYPE AND SEPARATE DETAILS FOR ADDITIONAL INFORMATION ON TYPE OF INLET PROTECTION SPECIFIED.
13. STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.
14. STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.
15. ALL DRAINAGE SWALES SHALL BE STABILIZED AND VEGETATED AS SOON AS FINAL GRADE IS ACHIEVED.
16. ALL GRADED AREAS SHALL RECEIVE VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.
17. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.
18. ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.
19. SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL SERVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.
20. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.
21. CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
22. 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 AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.
23. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

㊱ FINAL PHASE EROSION CONTROL NOTES:

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE FINAL EROSION CONTROL PHASE OF CONSTRUCTION.

1. SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS, SPREAD ON SITE AND STABILIZED SO THAT IT CANNOT ENTER THE INLETS AGAIN.
2. FINAL GRASSING (SEEDING OR SODDING) ALONG WITH ANY PROPOSED LANDSCAPING SHALL BE PERFORMED AS SOON AS PRACTICAL UPON COMPLETION OF CONSTRUCTION. OTHERWISE ALL ESPC MEASURES SHALL BE MAINTAINED UNTIL FINAL STABILIZATION IS ACCOMPLISHED.
3. THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT PONDS AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE HALF WAY POINT ON THE RISER.
4. AFTER INSTALLATION OF CURBING AND ROADWAY PAVEMENT, ANY INLET SEDIMENT TRAPS ON SINGLE AND DOUBLE WING CATCH BASINS ALONG WITH ANY CURB INLETS SHALL BE REMOVED AND REPLACED WITH CURB FILTER INLET PROTECTION. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.
5. THE GRADED SHOULDER OF ALL ROADWAY AND PARKING AREAS SHOULD BE STABILIZED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.
6. SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.
7. CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
8. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.
9. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.
10. UPON COMPLETION OF THE PROJECT AND RECEIPT OF CERTIFICATE OF OCCUPANCY, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED ON PLANS

ACTIVITY SCHEDULE ㉙

ACTIVITY	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 18	WEEK 19	WEEK 20	WEEK 21	WEEK 22	WEEK 23	WEEK 24	WEEK 25	WEEK 26	WEEK 27	WEEK 28
INSTALLATION OF EROSION CONTROL TREE SAVE/FENCING	■	■																										
CLEARING AND GRUBBING		■	■																									
INSTALLATION OF DETENTION FACILITY			■	■																								
GRADING ACTIVITIES				■	■	■	■	■	■																			
INSTALLATION OF SANITARY SEWER				■	■	■																						
INSTALLATION OF STORM SEWER				■	■	■	■																					
STABILIZATION OF SITE					■	■	■	■	■	■	■	■	■															
INSTALLATION OF WATER							■	■	■																			
INSTALLATION OF PAVING								■	■	■	■																	
STABILIZATION OF SITE PERMANENT GRASSING									■	■	■	■	■															
MAINTENANCE OF EROSION CONTROL	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
REMOVAL OF EROSION CONTROL AND CLEAN OUT STORM PIPES												■																

⑥ TOTAL SITE AREA = 4.34 ACRES
TOTAL DISTURBED AREA = 0.63 AC. ±

SHOULD DISTURBED AREA EXCEED THE GAR 10000 PERMIT LIMITS, MONITORING SHALL APPLY TO THIS DEVELOPMENT.

㊼ SOILS SERIES INFORMATION

GeC2	GWINNETT CLAY LOAM, 6 TO 10 PERCENT SLOPES, ERODED
MiB2	MADISON SANDY CLAY LOAM, 2 TO 6 PERCENT SLOPES, ERODED
MiC2	MADISON SANDY CLAY LOAM, 6 TO 10 PERCENT SLOPES, MODERATELY ERODED
MiD2	MADISON SANDY CLAY LOAM, 10 TO 15 PERCENT SLOPES, MODERATELY ERODED

PERMIT COVERAGE:

THIS PLAN HAS BEEN PREPARED TO MEET THE REQUIREMENTS UNDER THE STATE OF GEORGIA, DEPARTMENT OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION DIVISION (EDP), GENERAL PERMIT NO. GAR100001 FOR AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FOR STAND-ALONE DEVELOPMENTS.

AUTHORIZED DISCHARGES:

1. ALL DISCHARGES OF STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT WILL RESULT IN LAND DISTURBANCE EQUAL TO OR GREATER THAN ONE ACRE. PART I.C.1.a-b
2. ALL DISCHARGES COVERED BY THIS PERMIT SHALL BE COMPOSED ENTIRELY OF STORM WATER EXCEPT AS PROVIDED IN PART I.C.2 AND PART III.A.2 OF THE PERMIT.
3. AUTHORIZED MIXED STORM WATER DISCHARGES: PART I.C.2
   - a. INDUSTRIAL SOURCE OR ACTIVITY OTHER THAN CONSTRUCTION IS LOCATED ON THE SAME SITE AS THE CONSTRUCTION ACTIVITY AND IS AN INTEGRAL PART OF THE CONSTRUCTION ACTIVITY;
   - b. THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES ARE OCCURRING ARE IN COMPLIANCE WITH THE TERMS OF THIS PERMIT;
   - c. STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE INDUSTRIAL ACTIVITY OTHER THAN CONSTRUCTION ARE OCCURRING ARE COVERED BY A DIFFERENT NPDES GENERAL PERMIT OR INDIVIDUAL PERMIT AUTHORIZING SUCH DISCHARGES AND THE DISCHARGES ARE IN COMPLIANCE WITH A DIFFERENT NPDES PERMIT.
4. AUTHORIZED NON-STORM WATER DISCHARGES: PART III.A.2
   THE FOLLOWING NON-STORM WATER DISCHARGES MAY BE AUTHORIZED BY THIS PERMIT PROVIDED THE NON-STORM WATER COMPONENT OF THE DISCHARGE IS EXPLICITLY LISTED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND IS IN COMPLIANCE WITH PART IV.D.7.; DISCHARGES FROM FIRE FIGHTING ACTIVITIES; FIRE HYDRANT FLUSHING; POTABLE WATER SOURCES INCLUDING WATER LINE FLUSHING; IRRIGATION DRAINAGE; AIR CONDITIONING CONDENSATE; SPRINGS; UNCONTAMINATED GROUND WATER; AND FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS OR POLLUTANTS.

LIMITATIONS ON COVERAGE PART I.C.3:
THE FOLLOWING STORM WATER DISCHARGES FROM CONSTRUCTION SITES ARE NOT AUTHORIZED BY THIS PERMIT:

- A. STORMWATER DISCHARGES ASSOCIATED WITH AN INDUSTRIAL ACTIVITY THAT ORIGINATES FROM THE SITE AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION.
- B. DISCHARGES THAT ARE MIXED WITH SOURCES OF NON-STORMWATER OTHER THAN DISCHARGES WHICH ARE IDENTIFIED IN PART III.A.2 OF THIS PERMIT AND WHICH ARE IN COMPLIANCE WITH PART IV.D.7 (NON-STORMWATER DISCHARGES) OF THIS PERMIT.
- C. STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY THAT ARE SUBJECT TO AN EXISTING NPDES INDIVIDUAL OR GENERAL PERMIT. SUCH DISCHARGES MAY BE AUTHORIZED UNDER THIS PERMIT AFTER AN EXISTING PERMIT EXPIRES PROVIDED THE EXISTING PERMIT DID NOT ESTABLISH NUMERIC LIMITATIONS FOR SUCH DISCHARGES.
- D. STORMWATER DISCHARGES FROM CONSTRUCTION SITES THAT THE DIRECTOR (EPD) HAS DETERMINED TO BE OR MAY REASONABLY BE EXPECTED TO BE CONTRIBUTING TO A VIOLATION OF A WATER QUALITY STANDARD.

WATER QUALITY COMPLIANCE PART I.C.4:
NO DISCHARGES AUTHORIZED BY THIS PERMIT SHALL CAUSE VIOLATIONS OF GEORGIA'S IN-STREAM WATER QUALITY STANDARDS AS PROVIDED BY THE RULES AND REGULATIONS FOR WATER QUALITY CONTROL. CHAPTER 391-3-6-03.

㉖ SEDIMENT STORAGE IS PROPOSED DURING CONSTRUCTION TO PREVENT OFFSITE SOIL LOSS. POST CONSTRUCTION WATER QUALITY TO BE PROVIDED BY STORMWATER PONDS.

GENERAL NOTES:

1. ⑰ AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
2. WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTING QUANTITY ESTABLISHED UNDER EITHER GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. ss12-14-2. ET SEQ), 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD, THE PERMITEE IS REQUIRED TO NOTIFY THE FOLLOWING AGENCIES IN ACCORDANCE WITH THE ABOVE MENTIONED REGULATIONS AS SOON AS HE HAS KNOWLEDGE OF THE DISCHARGE: EPD AT (404) 656-4883 OR (800) 241-4113, OR THE NATIONAL RESPONSE CENTER (NRC) AT (800) 424-8802. PART III.B.1
3. THIS PERMIT DOES NOT AUTHORIZE THE DISCHARGE OF HAZARDOUS SUBSTANCES RESULTING FROM AN ONSITE SPILL. PART III.B.2
4. NO SPECIFIC SUBSTITUTE FOR TYPE C SILT FENCE IS PROPOSED FOR THIS PROJECT. HOWEVER, SHOULD THE CONTRACTOR CHOOSE TO UTILIZE AN ALTERNATIVE TYPE C SILT FENCE TECHNOLOGY, IT SHALL BE IDENTIFIED IN GDOT DOCUMENT QPL-36. ANY ALTERNATIVE TECHNOLOGY NOT IDENTIFIED IN THIS DOCUMENT CANNOT BE UTILIZED WITHOUT REVISING THE APPROVED ESPC PLAN WITH THE LOCAL ISSUING AUTHORITY.

8. ㊵ THIS PROJECT DOES NOT USE ALTERNATIVE BMPs FOR APPLICATION TO THE EQUIVALENT BMP LIST. PLEASE REFER TO APPENDIX A-2 OF THE MANNUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA 2016 EDITION.
9. ㊴ IF ALTERNATIVE BMPs WHOSE PERFORMANCE HAS BEEN DOCUMENTED TO BE EQUIVALENT TO OR SUPERIOR TO CONVENTIONAL BMPs AS CERTIFIED BY A DESIGN PROFESSIONAL (UNLESS DISAPPROVED BY EPD OR THE GASWCC) ARE TO BE USED, PLEASE REFER TO THE ALTERNATIVE BMP GUIDANCE DOCUMENT FOUND AT WWW.GASWCC.ORG
10. ⑭ THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WITHIN 7 DAYS AFTER INSTALLATION.

WATER/WETLANDS

1. ⑪ RECEIVING WATERS FOR THIS PROJECT IS UNNAMED TRIBUTARIES TO TECHNOLOGY PARK LAKE.
2. WETLANDS AREAS DO NOT EXIST IN THE PROPOSED DISTURBED AREAS.
3. ㉒ WETLANDS WERE NOT FOUND IN THE PROJECT AREA. STATE WATERS ARE NOT WITHIN 200' OF THE PROJECT AREA.
4. APPENDIX 1: THE PROPERTY DOES NOT LIE WITHIN A ONE-MILE RADIUS OF AN IMPAIRED STREAM, PER THE GSWCC 2014 INTEGRATED 305(b)/303(d) LIST DOCUMENTS (APPROVED). ADDITIONAL BMP'S ARE NOT REQUIRED FOR PROJECT. ONLINE GSWCC RESOURCES WERE USED FOR CONFIRMATION.
5. 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.
6. ⑯ NO STATE WATERS AND REQUIRED BUFFERS ARE ON-SITE. NO BUFFER VARIANCE REQUIRED
7. THERE ARE NO BUFFER ENCROACHMENTS.

EXISTING DRAINAGE BASINS

㊼ PRE DEVELOPMENT RUNOFF CURVE NUMBER = 70

POST DEVELOPEMNT RUNOFF CURVE NUMBER = 72

(##) GSWCC CHECKLIST ITEM #
(CHECKLIST ON FOLLOWING SHEET)

WASTE DISPOSAL

1. ⑱ WASTE MATERIALS SHALL NOT BE DISCHARGED TO THE WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
2. 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.
3. ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOB SITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

SPILL PREVENTION & CONTROL

1. ㉘ PETROLEUM BASED PRODUCTS, INCLUDING FUELS, LUBRICANTS, TRANSFORMER OIL, TARS, ETC., KEPT ON SITE SHALL BE STORED IN TIGHTLY SEALED CONTAINERS THAT ARE CLEARLY LABELED. ALL ON-SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE. ASPHALT SUBSTANCES SHALL BE APPLIED AS LABELED. LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE AREA ON-SITE. TYPICAL EQUIPMENT AND MATERIALS FOR CLEANUP INCLUDE GLOVES, GOGGLES, RAGS, RESPIRATORS, CAT LITTER, 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 SHALL BE CLEANED UP IMMEDIATELY FOLLOWING DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE, AND FEDERAL REGULATIONS.
2. FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
3. FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
4. FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.
5. 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.
6. THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1,320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

HAZARDOUS WASTES

1. 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. A MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ESPCP FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.
2. THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THE ESPCP AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. MO 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 STATE 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

1. 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 LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.
2. ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORMWATER 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 STORMWATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

PRODUCT SPECIFIC PRACTICES

1. ㉕ 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 STORMWATER 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.
2. 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 STORMWATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
3. ㉔ CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE. TOOLS MAY BE WASHED INTO A WASHDOWN PIT. SAID PIT SHALL BE DUG INTO CLAY TYPE SOIL AND MUST BE LOCATED OUTSIDE OF ANY PROTECTIVE STREAM BUFFERS OR ENVIRONMENTALLY SENSITIVE AREAS. SEE EPD GUIDELINES FOR MORE SPECIFICS ON CONCRETE WASHOUT PROCEDURES.
4. 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.
5. 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.

EROSION CONTROL CERTIFICATION

⑬ (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 GEORGIA 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 100001."

⑫ (2) "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 DIRECT SUPERVISION."

E. WAYNE MATTHEWS, P.E. , CERTIFICATION #35388, EXPIRES 02/06/2025 DESIGN PROFESSIONAL

(3) "I CERTIFY UNDER THE PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED 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 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"

PRIMARY PERMITTEE'S SIGNATURE OR AUTHORIZED AGENT

⑭ CERTIFY AS THE DESIGN PROFESSIONAL THAT I HAVE VISITED THE SITE TO VISUALLY INSPECT THE BMP INSTALLATION, AND THEY ARE INSTALLED PER PLAN, WITHIN 7 DAYS AFTER INSTALLATION"

E. WAYNE MATTHEWS, P.E. , CERTIFICATION #35388, EXPIRES 02/06/2025 DESIGN PROFESSIONAL

⑤ PRIMARY PERMITTEE: CITY OF PEACHTREE CORNERS
310 TECHNOLOGY PARKWAY
PEACHTREE CORNERS, GA. 30092
(678) 691-1200

988-22-168

SEI
SOUTHEASTERN ENGINEERING, INC.
3163 Sandy Plains Road Marietta, Georgia 30066
417 Sunbourne Way Suite A Palmetto, Georgia 30268
tel: 770-321-3936
www.seengineering.com

No	REVISION DESCRIPTION	DATE
1	-	-
2	-	-
3	-	-
4	-	-

⑧

PROJECT OWNED/DEVELOPED BY:
CITY OF PEACHTREE CORNERS
310 TECHNOLOGY PARKWAY
PEACHTREE CORNERS, GA. 30092
(678) 691-1200

24 HOUR CONTACT INFORMATION
GREG RAMSEY (678) 691-1200

④

ESCP NOTES

PEACHTREE CORNERS PUBLIC WORKS FACILITY
PROJECT LOCATED AT:
L.L. 284 6TH DISTRICT
CITY OF PEACHTREE CORNERS
GWINNETT COUNTY, GEORGIA

NO. 31277
E. WAYNE MATTHEWS JR.

ISSUED FOR:
PRELIMINARY

Project No.: 988-22-168
Designed By: JJS
Issue Date: 9/26/23

C6.0.1

⑧

811
Know what's below.
Call before you dig.

PTC
Approved

FILE NAME: I:\CUSTOMERS_PROJECTS\988 City Of Peachtree Corners\988-22-168 Technology Parkway 350\Eng\Construction\988-22-168 C-EROS.dwg PLOT STYLE: SEI-SITE-C.ctb PLOT DATE:9/26/2023 USER:JOHN SKIOTIS

THE UTILITIES SHOWN HEREON ARE FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IT IS THE OWNER/DEVELOPER'S RESPONSIBILITY TO VERIFY EXISTING UTILITY CAPACITY PRIOR TO INITIATING DESIGN. THE ENGINEER MAKES NO GUARANTEES, NEITHER EXPRESSED OR IMPLIED, REGARDING EXISTING UTILITY LOCATION, CAPACITY OR CONDITION.

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS ①

SWCD:

Project Name: PEACHTREE CORNERS PUBLIC WORKS FACILITY
City/County: #### GWINNETT COUNTY
Address: 310 TECHNOLOGY PKWY
Date on Plans: ####
Name & email of person filling out checklist:988-22-168 TECHNOLOGY PARKWAY 310

Plan Page #	Included Y/N		TO BE SHOWN ON ES&PC PLAN
C6.0.1	Y	1	The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. *(The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)*
ALL	Y	2	Level II certification number issued by the Commission, signature and seal of the certified design professional. *(Signature, seal and Level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be reviewed)*
	N/A	3	Limit of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the GAEPD District Office. If GAEPD approves the request to disturb 50 acres or more at any one time, the plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist and the GAEPD approval letter. * *(A copy of the written approval by EPD must be attached to the plan for the plan to be reviewed.)*
ALL	Y	4	The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
C6.0.1	Y	5	Provide the name, address, email address, and phone number of primary permittee.
C6.0.1	Y	6	Note total and disturbed acreage of the project or phase under construction.
C6.0.2/ PLANS	Y	7	Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
ALL	Y	8	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C6.0.2	Y	9	Description of the nature of construction activity and existing site conditions.
C0.0.0	Y	10	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
C6.0.1	Y	11	Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
C6.0.1	Y	12	Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 19 of the permit.
C6.0.1	Y	13	Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 19 of the permit.*
C6.0.1	Y	14	Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." in accordance with Part IV.A.5 page 25 of the permit.*
C6.0.1	Y	15	Clearly note the statement that "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."
C6.0.1	Y	16	Provide a description of any buffer enroachments and indicate whether a buffer variance is required.
C6.0.1	Y	17	Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *
C6.0.1	Y	18	Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a section 404 permit." *
C6.0.1	Y	19	Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
C6.0.1	Y	20	Clearly note statement that "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."
C6.0.1	Y	21	Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
C6.0.1	Y	22	Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.*
C6.0.1	Y	23	If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.*
C6.0.1	Y	24	BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.*
C6.0.1	Y	25	Provide BMPs for the remediation of all petroleum spills and leaks.
C6.0.1	Y	26	Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.*
C6.0.2	Y	27	Description of practices to provide cover for building materials and building products on site.*
C6.0.1	Y	28	Description of the practices that will be used to reduce the pollutants in storm water discharges.*
C6.0.1	Y	29	Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
C6.0.2	Y	30	Provide complete requirements of Inspections and record keeping by the primary permittee.*
C6.0.2	Y	31	Provide complete requirements of Sampling Frequency and Reporting of sampling results.*
C6.0.2	Y	32	Provide complete details for Retention of Records as per Part IV.F. of the permit.*
C6.0.2	Y	33	Description of analytical methods to be used to collect and analyze the samples from each location.*
C6.0.2	Y	34	Appendix B rationale for NTU values at all outfall sampling points where applicable.*
PLANS	Y	35	Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.*
C6.0.1	Y	36	A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the plan may combine all of the BMPs into a single phase.*
PLANS	Y	37	Graphic scale and North arrow.
PLANS	Y	38	Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

Map Scale	Ground Slope	Contour Intervals, ft.
1 inch = 100ft or larger scale	Flat 0 - 2%	0.5 or 1
	Rolling 2 - 8%	1 or 2
	Steep 8% +	2,5 or 10

Plan Page #	Included Y/N		TO BE SHOWN ON ES&PC PLAN
C6.0.1	Y	39	Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.
C6.0.1	Y	40	Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 edition *
PLANS	Y	41	Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
PLANS	Y	42	Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.
C6.0.1	Y	43	Delineation and acreage of contributing drainage basins on the project site.
HYDRO	Y	44	Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.*
C6.0.1	Y	45	An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
PLANS	Y	46	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
C6.0.1/ PLANS	Y	47	Soil series for the project site and their delineation.
PLANS	Y	48	The limits of disturbance for each phase of construction.
PLANS	Y	49	Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justfication explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasable, a written justification explaining this decision must be included in the plan.
PLANS/ DETAILS	Y	50	Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.
PLANS	Y	51	Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
DETAILS	Y	52	Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

** If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the * checklist items would be N/A.*

Effective January 1, 2023

⑨ PROJECT DESCRIPTION:

CONSTRUCTION OF A NEW PUBLIC WORKS BUILDING IN AN EXISTING PARKING LOT.

ADDITIONAL INFORMATION: ⑦

1. CONSTRUCTION EXIT LOCATED AT: N033.958170, W084.224052

NEPHELOMETRIC TURBIDITY UNIT (NTU) TABLE

WARM WATER (SUPPORTING WARM WATER FISHERIES) ㉞
SURFACE WATER DRAINAGE AREA, SQUARE MILES

SITE SIZE, ACRES	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	75	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100

(##) GSWCC CHECKLIST ITEM #
(CHECKLIST ON FOLLOWING SHEET)

GSWCC
GEORGIA SOIL AND WATER CONSERVATION COMMISSION

E. Wayne Matthews, Jr.
Level II Certified Design Professional

CERTIFICATION NUMBER 0000035388
ISSUED: 02/06/2010 EXPIRES: 02/06/2025

PERMITTING NOTES:

㉝ SAMPLING REQUIREMENTS PART IV.D.6.:
THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THIS PARAGRAPH SHALL NOT APPLY TO ANY LAND DISTURBANCE ASSOCIATED WITH THE CONSTRUCTION OF SINGLE-FAMILY HOMES WHICH ARE NOT PART OF A SUBDIVISION OR PLANNED COMMON DEVELOPMENT UNLESS FIVE (5) ACRES OR MORE WILL BE DISTURBED. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING TURBIDITY.

SAMPLING REQUIREMENTS PART IV.D.6.a:
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 SITE OR THE STAND ALONE 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. 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, HANDLE 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 SUBMITTAL.

SAMPLE TYPE PART IV.D.6.b:
ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (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. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.
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.

SAMPLING POINTS PART IV.D.6.c:
1. FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE 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.
  b. THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE 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.
  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. 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.

㉛ SAMPLING FREQUENCY 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 AS DEFINED IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;
  b. IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;
  c. AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPs IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPs ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED;
  d. WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE; AND
  E. EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.

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

NON-STORM WATER DISCHARGES PART IV.D.7:
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.

㉗ OTHER CONTROLS:

1. 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 STORMWATER, OR A SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THESE AREAS. MINIMIZATION OF EXPOSURE IS NOT REQUIRED IN CASES WHERE EXPOSURE TO PRECIPITATION AND TO STORMWATER WILL NOT RESULT IN A DISCHARGE OF POLLUTANTS, OR WHERE EXPOSURE OF A SPECIFIC MATERIAL OR PRODUCT POSES LITTLE RISK TO STORMWATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USE).

PERMITTING NOTES:

REPORTING PART IV.E.:
㉛ 1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORMWATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART 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 DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

RETENTION OF RECORDS 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;
  ㉜ 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 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 PERMIT;
  f. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND
  g. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.a.(2) OF THIS PERMIT.
2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

INSPECTIONS-PERMITTEE REQUIREMENTS PART IV.D.4.a
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 SHAL 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. ㉚
2. MEASURE AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NO 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 AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON—WORKING SATURDAY NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST): (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; 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 OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(4). 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 HAS BEEN SUBMITTED) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION 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 TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO 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 (7) CALENDAR DAYS FOLLOWING EACH INSPECTION..
6. A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE OR FINAL), 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.(5). 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 SITE THAT 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.

㊾ EROSION CONTROL SEDIMENT STORAGE CHART - INTERMEDIATE PHASE

BASIN ID	DRAINAGE AREA ACROSS DISTURBED AREAS (ACRES)	TOTAL DISTURBED AREA (ACRES)	REQUIRED SEDIMENT STORAGE VOLUME (CY)	TOTAL STORAGE VOLUME PROVIDED (CY)	ROCK DAMS (MIN 20 CY EACH)		CHECK DAMS (4 CY EACH)		SILT FENCE W/ J-HOOKS (0.09CY/LF)		LOGDAMS (6 CY EACH)	
					# DEVICES	TOTAL VOLUME	# DEVICES	TOTAL VOLUME	# LF	TOTAL VOLUME	# DEVICES	TOTAL VOLUME
A	0.20	0.20	13	20	0	0	0	0	217	20	0	0

TOTAL DRAINAGE AREA	0.20	AC
TOTAL DISTURBED AREA	0.20	AC
TOTAL REQUIRED SEDIMENT VOLUME	13.40	CY
TOTAL PROVIDED SEDIMENT VOLUME	19.53	CY

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417 Selborne Way Suite A Palmetto, Gorgia 30268
tel: 770-321-3936
www.seengineering.com

988-22-168

No	REVISION DESCRIPTION	DATE
1	-	-
2	-	-
3	-	-
4	-	-

⑧

PROJECT OWNED/DEVELOPED BY:
CITY OF PEACHTREE CORNERS
310 TECHNOLOGY PARKWAY
PEACHTREE CORNERS, GA. 30092
(678) 691-1200

24 HOUR CONTACT INFORMATION
GREG RAMSEY (678) 691-1200

④

ESCP NOTES

PEACHTREE CORNERS PUBLIC WORKS FACILITY
PROJECT LOCATED AT:
LL. 284 6TH DISTRICT
CITY OF PEACHTREE CORNERS
GWINNETT COUNTY, GEORGIA

NO. 31277
E. WAYNE MATTHEWS, JR.

ISSUED FOR:
PRELIMINARY

Project No.: 988-22-168
Designed By: JJS
Issue Date: 9/26/23

C6.0.2

⑧

811
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Approved

FILE NAME: I:\CUSTOMERS_PROJECTS\988 City Of Peachtree Corners\988-22-168 Technology Parkway 350\Eng\Construction\988-22-168 C-EROS.dwg PLOT STYLE: SEI-SITE-C.ctb PLOT DATE:9/26/2023 USER:JOHN SKIOTIS

GSWCC Georgia Soil and Water Conservation Commission

2 E. Wayne Matthews, Jr.

Level II Certified Design Professional

Certification Number 0000035388

Issued: 02/06/2010 Expires: 02/06/2025

GRAPHIC SCALE

20 0 20 40

(IN FEET)

1 inch = 20 ft.

THE UTILITIES SHOWN HEREON ARE FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. IT IS THE OWNER/DEVELOPER'S RESPONSIBILITY TO VERIFY EXISTING UTILITY CAPACITY PRIOR TO INITIATING DESIGN. THE ENGINEER MAKES NO GUARANTEES, NEITHER EXPRESSED OR IMPLIED, REGARDING EXISTING UTILITY LOCATION, CAPACITY OR CONDITION.

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No	REVISION DESCRIPTION	DATE
1	-	-
2	-	-
3	-	-
4	-	-

8

SEI
SOUTHEASTERN ENGINEERING, INC.
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417 Sylvaire Way Suite A Palmetto, Georgia 30268
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988-22-168

ESCP FINAL

PEACHTREE CORNERS PUBLIC WORKS FACILITY
PROJECT LOCATED AT:
LL. 284 6TH DISTRICT
CITY OF PEACHTREE CORNERS
GWINNETT COUNTY, GEORGIA

GEORGIA REGISTERED NO. 31277 PROFESSIONAL ENGINEER E. WAYNE MATTHEWS JR.

ISSUED FOR:
PRELIMINARY

Project No.: 988-22-168
Designed By: JJS
Issue Date: 9/26/23

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C6.1.1

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

STRUCTURAL PRACTICES

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.
Ch	CHANNEL STABILIZATION			Improving, constructing or stabilizing an open channel, existing stream, or ditch.
Co	CONSTRUCTION EXIT		Co (LABEL)	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Cr	CONSTRUCTION ROAD STABILIZATION		Cr (LABEL)	A travelway constructed as part of a construction plan including access roads, subdivision roads, parking areas and other on-site vehicle transportation routes.
Dc	STREAM DIVERSION CHANNEL			A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.
Di	DIVERSION			An earth channel or dike located above, below, or across a slope to divert runoff. This may be a temporary or permanent structure.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE		Dn1 (LABEL)	A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and inexpensive.
Dn2	PERMANENT DOWNDRAIN STRUCTURE		Dn2 (LABEL)	A paved chute, pipe, sectional conduit or similar material designed to safely conduct surface runoff down a slope.
Fr	FILTER RING			A temporary stone barrier constructed at storm drain inlets and pond outlets.
Ga	GABION			Rock filter baskets which are hand-placed into position forming soil stabilizing structures.
Gr	GRADE STABILIZATION STRUCTURE		Gr (LABEL)	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 structure to convert concentrated flow of water into less erosive sheet flow. This should be constructed only on undisturbed soils.
Rd	ROCK FILTER DAM			A permanent or temporary stone filter dam installed across small streams or drainageways.
Re	RETAINING WALL		Re (LABEL)	A wall installed to stabilize cut and fill slopes where maximum permissible slopes are not obtainable. Each situation will require special design.
Rt	RETRO FITTING		Rt (LABEL)	A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
Sd1	SEDIMENT BARRIER		(INDICATE TYPE)	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2	INLET SEDIMENT TRAP			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd3	TEMPORARY SEDIMENT BASIN		Sd3 (LABEL)	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		Sk (LABEL)	A buoyant device that releases/drains water from the surface of sediment ponds, traps, or basins at a controlled rate of flow.
Spb	SEEP BERM		Spb (LABEL)	Linear control device constructed as a diversion perpendicular to the direction of runoff to enhance dissipation and infiltration, while creating multiple sedimentation chambers with the employment of intermediate dikes.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Sr	TEMPORARY STREAM CROSSING		Sr (LABEL)	A temporary bridge or culvert-type structure protecting a stream or watercourse from damage by crossing construction equipment.
St	STORMDRAIN OUTLET PROTECTION		St	A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Su	SURFACE ROUGHENING		Su	A rough soil surface with horizontal depressions on a contour or slopes left in a roughened condition after grading.
Tc	TURBIDITY CURTAIN		TU	A floating or staked barrier installed within the water (it may also be referred to as a floating boom, silt barrier, or silt curtain).
Tp	TOPSOILING		Tp (SHOW STOCKPILE AND STORAGE AREAS)	The practice of stripping off the more fertile soil, storing it, then spreading it over the disturbed area after completion of construction activities.
Tr	TREE PROTECTION		(SHOW TREE CENTERS)	To protect desirable trees from injury during construction activity.
Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL			Paved or vegetative water outlets for diversions, terraces, berms, dikes or similar structures.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE		Bf (LABEL)	Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surrounding an area of disturbance or bordering streams.
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)		Cs	Planting vegetation on dunes that are denuded artificially constructed, or re-nourished.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)		Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)		Ds4	A permanent vegetative cover using sods on highly erodable or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.
Fl-Co	FLOCCULANTS AND COAGULANTS		Fl-Co	Substance formulated to assist in the solids/liquid separation of suspended particles in solution.
Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)		Sb	The use of readily available native plant materials to maintain and enhance streambanks, or to prevent, or restore and repair small streambank erosion problems.
Ss	SLOPE STABILIZATION		Ss	A protective covering used to prevent erosion and establish temporary or permanent vegetation on steep slopes, shore lines, or channels.
Tac	TACKIFIERS AND BINDERS		Tac	Substance used to anchor straw or hay mulch by causing the organic material to bind together.

GaSWCC (Amended - 2016)

GSWCC Georgia Soil and Water Conservation Commission

(2) E. Wayne Matthews, Jr.
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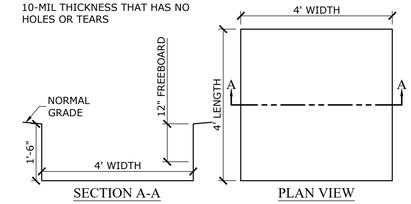
Certification Number 0000035388
Issued: 02/06/2010 Expires: 02/06/2025

CONTRACTOR SHALL LINE WASHDOWN AREA WITH PLASTIC SHEETING OF AT LEAST MIN 10-MIL THICKNESS THAT HAS NO HOLES OR TEARS



(9) CONCRETE WASHDOWN
SCALE: NONE

DEFINITION

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

REQUIREMENT FOR REGULATORY COMPLIANCE

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

SPECIFICATIONS

GRADING AND SHAPING

EXCESSIVE WATER RUN-OFF SHALL BE REDUCED BY PROPERLY DESIGNED AND INSTALLED EROSION CONTROL PRACTICES SUCH AS CLOSED DRAINS, DITCHES, DIKES, DIVERSIONS, SEDIMENT BARRIERS AND OTHERS.

NO SHAPING OR GRADING IS REQUIRED IF SLOPES CAN BE STABILIZED BY HAND-SEEDED VEGETATION OR IF HYDRAULIC SEEDING EQUIPMENT IS TO BE USED.

SEEDBED PREPARATION

WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED. WHEN USING CONVENTIONAL OR HANDSEEDING, SEEDBED PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL.

WHEN SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH CUT SLOPES, THE SOIL SHALL BE PITTED, TRENCHED OR OTHERWISE SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.

LIME AND FERTILIZER

AGRICULTURAL LIME IS REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE. APPLY AGRICULTURAL LIME AT A RATE OF ONE TON PER ACRE. GRADED AREAS REQUIRE LIME APPLICATION. SOILS CAN BE TESTED TO DETERMINE IF FERTILIZER IS NEEDED. ON REASONABLY FERTILE SOILS OR SOIL MATERIAL, FERTILIZER IS NOT REQUIRED. FOR SOILS WITH VERY LOW FERTILITY, 500 TO 700 POUNDS OF 10-10-10 FERTILIZER OR THE EQUIVALENT PER ACRE (12-16 LBS/ 1,000 S.F.) SHALL BE APPLIED. FERTILIZER SHOULD BE APPLIED BEFORE LAND PREPARATION AND INCORPORATED WITH A DISK, RIPPER OR CHISEL.

SEEDING

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

MULCHING

TEMPORARY VEGETATION CAN, IN MOST CASES, BE ESTABLISHED WITHOUT THE USE OF MULCH. MULCH WITHOUT SEEDING SHOULD BE CONSIDERED FOR SHORT TERM PROTECTION. REFER TO Ds1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY).

IRRIGATION

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

Ds-2 DISTURBED AREA STABILIZATION w/ TEMPORARY SEEDING
N.T.S.

PLANTS, PLANTING RATES, AND PLANTING DATES FOR TEMPORARY COVER OR COMPANION CROPS 1/

SPECIES	BROADCAST RATES 2/ - PLS 3/ PER ACRE	BROADCAST PER 1000 S.F.	RESOURCE AREA 4/	PLANTING DATES J F M A M J J A S O N D	REMARKS
BARLEY (Hordeum vulgare) ALONE IN MIXTURES	144 LBS. 24 LBS.	3.3 LBS. 0.6 LBS.	M-L P C	J F M A M J J A S O N D	14,000 SEED PER POUND WINTERHARDY. USE ON PRODUCTIVE SOILS.
LESPEDEZA, ANNUAL (Lespedeza striata) ALONE IN MIXTURES	40 LBS. 10 LBS.	0.9 LBS. 0.2 LBS.	M-L P C	J F M A M J J A S O N D	200,000 SEED PER POUND. MAY VOLUNTEER FOR SEVERAL YEARS. USE INOCULANT EL.
LOVEGRASS, WEEPING (Eragrotis curvula) ALONE IN MIXTURES	4 LBS. 2 LBS.	0.1 LBS. 0.05 LBS.	M-L P C	J F M A M J J A S O N D	1,500,000 SEED PER POUND, MAY LAST FOR SEVERAL YEARS. MIX WITH SERICEA LESPEDEZA
MILLET, BROWNTOP (Panicum fasciculatum) ALONE IN MIXTURES	40 LBS. 10 LBS.	0.9 LBS. 0.2 LBS.	M-L P C	J F M A M J J A S O N D	137,000 SEED PER POUND, QUICK DENSE COVER, WILL PROVIDE TOO MUCH COMPETITION IN MIXTURES IF SEEDED AT HIGH RATES.
RYE (Secale cerealo) ALONE IN MIXTURES	168 LBS. 28 LBS.	3.9 LBS. 0.6 LBS.	M-L P C	J F M A M J J A S O N D	18,000 SEED PER POUND, QUICK COVER, DROUGHT TOLERANT AND WINTERHARDY.
RYEGRASS, ANNUAL (Lollum tem.ulentum) ALONE	40 LBS.	0.9 LBS.	M-L P C	J F M A M J J A S O N D	227,000 SEED PER POUND, DENSE COVER, VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.
MILLET, PEARL (Panicum glaucum) ALONE	50 LBS.	1.1 LBS.	M-L P C	J F M A M J J A S O N D	88,000 SEED PER POUND. QUICK, DENSE COVER. MAY REACH 5 FEET IN HEIGHT. NOT RECOMMENDED FOR MIXTURES.
OATS (Avena sativa) ALONE IN MIXTURES	128 LBS. 32 LBS.	2.9 LBS. 0.7 LBS.	M-L P C	J F M A M J J A S O N D	13,000 SEED PER POUND. USE ON PRODUCTIVE SOILS. NOT AS WINTERHARDY AS RYE OR BARLEY.
SUDAN GRASS (Sorghum sudanese) ALONE	60 LBS.	1.4 LBS.	M-L P C	J F M A M J J A S O N D	55,000 SEED PER POUND. GOOD NOT ON DROUGHT SITES. RECOMMENDED FOR MIXTURES.
TRITICALE (X-Triticosecale) ALONE IN MIXTURES	144 LBS. 24 LBS.	3.3 LBS. 0.6 LBS.	C	J F M A M J J A S O N D	USE ON LOWER PART OF SOUTHERN COASTAL PLAIN AND IN ATLANTIC COASTAL FLATWOODS ONLY.
WHEAT (Triticum aestivum) ALONE IN MIXTURES	180 LBS. 30 LBS.	4.1 LBS. 0.7 LBS.	M-L P C	J F M A M J J A S O N D	15,000 SEED PER POUND. WINTERHARDY.

1/ TEMPORARY COVER CROPS ARE VERY COMPETITIVE AND WILL CROWN OUT PERENNIALS IF SEEDED TOO HEAVILY.
2/ REDUCE SEEDING RATES BY 50% WHEN DRILLED.
3/ PLS IS AN ABBREVIATION FOR PURE LIVE SEED.
4/ M-L REPRESENTS TO MOUNTAIN; BLUE RIDGE; AND RIDGES AND VALLEYS MLRA'S
P REPRESENTS THE SOUTHERN PIEDMONT MLRA
C REPRESENTS THE SOUTHERN COASTAL PLAIN; SAND HILLS; BLACK LANDS; AND ATLANTIC COAST FLATWOODS MLRAs

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ESCP DETAILS

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GWINNETT COUNTY, GEORGIA

GEORGIA REGISTERED NO. 31277 PROFESSIONAL ENGINEER E. WAYNE MATTHEWS JR.

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

INSTRUCTIONS

THIS PRACTICE SHALL BE APPLIED IMMEDIATELY TO ROUGH GRADED AREAS THAT WILL BE UNDISTURBED FOR LONGER THAN SIX MONTHS. THIS PRACTICE OR SODDING SHALL BE APPLIED IMMEDIATELY TO ALL AREAS AT FINAL GRADE. FINAL STABILIZATION MEANS THAT ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED, AND THAT FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES, AT LEAST 70% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF RIP RAP, GABIONS, PERMANENT MULCHES OR GEOTEXTILES) HAVE BEEN EMPLOYED. PERMANENT VEGETATION SHALL CONSIST OF: PLANTED TREES, SHRUBS, PERENNIAL VINES; A CROP OF PERENNIAL VEGETATION APPROPRIATE FOR THE REGION, SUCH THAT WITHIN THE GROWING SEASON A 70% COVERAGE BY PERENNIAL VEGETATION SHALL BE ACHIEVED.
FINAL STABILIZATION APPLIES TO EACH PHASE OF CONSTRUCTION. FOR LINEAR 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. UNTIL THIS STANDARD IS SATISFIED AND PERMANENT CONTROL MEASURES AND FACILITIES ARE OPERATIONAL, INTERIM STABILIZATION MEASURES AND TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL NOT BE REMOVED.

PLANNING CONSIDERATIONS

1. USE CONVENTIONAL PLANTING METHODS WHERE POSSIBLE.
2. WHEN MIXED PLANTINGS ARE DONE DURING MARGINAL PLANTING PERIODS, COMPANION CROPS SHALL BE USED.
3. NO-TILL PLANTING IS EFFECTIVE WHEN PLANTING IS DONE FOLLOWING A SUMMER OR WINTER ANNUAL COVER CROP.
4. BLOCK SOD PROVIDES IMMEDIATE COVER. IT IS ESPECIALLY EFFECTIVE IN CONTROLLING EROSION ADJACENT TO CONCRETE FLUMES AND OTHER STRUCTURES. REFER TO Ds-4 DISTURBED AREA STABILIZATION (WITH SODDING).
5. IRRIGATION SHOULD BE USED WHEN THE SOIL IS DRY OR WHEN SUMMER PLANTINGS ARE DONE.
6. LOW MAINTENANCE PLANTS, AS WELL AS NATIVES, SHOULD BE USED TO ENSURE LONG LASTING EROSION CONTROL.
7. MOWING SHOULD NOT BE PERFORMED DURING THE QUAIL NESTING SEASON (MAY TO SEPT.) WILDLIFE PLANTINGS SHOULD BE INCLUDED IN CRITICAL AREA PLANTINGS. SEE MANUAL FOR PLANT LIST.

GRADING & SHAPING

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

LIME AND FERTILIZER APPLICATION

WHEN HYDRAULIC SEEDING EQUIPMENT IS USED, THE INITIAL FERTILIZER SHALL BE MIXED WITH SEED, INNOCULANT (IF NEEDED), AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH AND APPLIED IN A SLURRY. THE INNOCULANT, IF NEEDED, SHALL BE MIXED WITH THE SEED PRIOR TO BEING PLACED INTO THE HYDRAULIC SEEDER. THE SLURRY MIXTURE WILL BE AGITATED DURING APPLICATION TO KEEP THE INGREDIENTS THOROUGHLY MIXED. THE MIXTURE WILL BE SPREAD UNIFORMLY OVER THE AREA WITHIN ONE HOUR AFTER BEING PLACED IN THE HYDROSEEDER.

FINELY GROUND LIMESTONE WILL BE MIXED WITH WATER AND APPLIED IMMEDIATELY AFTER MULCHING IS COMPLETED OR IN COMBINATION WITH THE TOP DRESSING. WHEN CONVENTIONAL PLANTING IS TO BE DONE, LIME AND FERTILIZER SHALL BE APPLIED UNIFORMLY IN ONE OF THE FOLLOWING WAYS.

1. APPLY BEFORE LAND PREPARATION SO THAT IT WILL BE MIXED WITH THE SOIL DURING SEEDBED PREPARATION.
2. MIX WITH THE SOIL USED TO FILL THE HOLES, DISTRIBUTE IN FURROWS.
3. BROADCAST AFTER STEEP SURFACES ARE SCARIFIED, PITTED OR TRENCHED.
4. A FERTILIZER PELLET SHALL BE PLACED AT ROOT DEPTH IN THE CLOSING HOLE BESIDE EACH TREE SEEDLING.

LIME AND FERTILIZER RATES AND ANALYSIS

AGRICULTURAL LIME IS REQUIRED AT A RATE OF ONE TO TWO TONS PER ACRE UNLESS SOIL TESTS INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICATION. IF LIME IS APPLIED WITHIN SIX MONTHS OF PLANTING PERMANENT PERENNIAL VEGETATION, ADDITIONAL LIME IS NOT REQUIRED. AGRICULTURAL LIME SHALL BE WITHIN THE SPECIFICATIONS OF THE GEORGIA DEPARTMENT OF AGRICULTURE.

LIME SPREAD BY CONVENTIONAL EQUIPMENT SHALL BE "GROUND LIMESTONE." GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THAT 90% OF THE MATERIAL WILL PASS THROUGH A 10-MESH SIEVE, NOT LESS THAN 50% WILL PASS THROUGH A 50-MESH SIEVE AND NOT LESS THAN 25 PERCENT WILL PASS THROUGH A 100-MESH SIEVE.

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

IT IS DESIRABLE TO USE DOLOMITIC LIMESTONE IN THE SAND HILLS, SOUTHERN COASTAL PLAIN AND ATLANTIC COAST FLATWOODS MLRA'S. (SEE MANUAL). AGRICULTURAL LIME IS GENERALLY NOT REQUIRED WHERE ONLY TREES ARE PLANTED. INITIAL FERTILIZATION, NITROGEN, TOPDRESSING, AND MAINTENANCE FERTILIZER REQUIREMENTS FOR EACH SPECIES OR COMBINATION OF SPECIES ARE LISTED IN TABLE 6-5.1.

PLANT SELECTION

REFER TO TABLES 6-4.1, 6-5.2, 6-5.3 AND 6-5.4 FOR APPROVED SPECIES. SPECIES NOT LISTED SHALL BE APPROVED BY THE STATE RESOURCE CONSERVATIONIST OF THE NATURAL RESOURCE CONSERVATION SERVICE BEFORE THEY ARE USED. PLANTS SHALL BE SELECTED ON THE BASIS OF SPECIES CHARACTERISTICS, SITE AND SOIL CONDITIONS, PLANNED USE AND MAINTENANCE OF THE AREA; TIME OF YEAR OF PLANTING, METHOD OF PLANTING; AND THE NEEDS AND DESIRES OF THE LAND USER. SOME PERENNIAL SPECIES ARE EASILY ESTABLISHED AND CAN BE PLANTED ALONE. EXAMPLES OF THESE ARE COMMON BERMUDA, TALL FESCUE AND WEEPING LOVEGRASS. OTHER PERENNIALS SUCH AS BAHIA GRASS AND SERICEA LESPEDEZA ARE SLOW TO BECOME ESTABLISHED AND SHOULD BE PLANTED WITH ANOTHER PERENNIAL SPECIES. THE ADDITIONAL SPECIES WILL PROVIDE QUICK COVER AND AMPLE SOIL PROTECTION UNTIL THE TARGET PERENNIAL SPECIES BECOME ESTABLISHED. FOR EXAMPLE COMMON SEEDING COMBINATIONS INCLUDE: WEEPING LOVEGRASS WITH SERICEA LESPEDEZA (SCARIFIED) AND TALL FESCUE WITH SERICEA LESPEDEZA (UNSCARIFIED).

PLANT SELECTION MAY ALSO INCLUDE ANNUAL COMPANION CROPS. ANNUAL COMPANION CROPS SHOULD BE USED ONLY WHEN THE PERENNIAL SPECIES ARE NOT PLANTED DURING THEIR OPTIMUM PLANTING PERIOD. A COMMON MIXTURE IS BROWN TOP MILLET WITH COMMON BERMUDA IN MID-SUMMER. CARE SHOULD BE TAKEN IN SELECTING COMPANION CROP SPECIES AND SEEDING RATES BECAUSE ANNUAL CROPS WILL COMPETE WITH PERENNIAL SPECIES FOR WATER, NUTRIENTS AND GROWING SPACE. A HIGH SEEDING RATE OF THE COMPANION CROP MAY PREVENT THE ESTABLISHMENT OF PERENNIAL SPECIES. RYEGRASS SHALL NOT BE USED IN ANY SEEDING MIXTURES CONTAINING PERENNIAL SPECIES DUE TO ITS ABILITY TO OUT-COMPETE DESIRED SPECIES CHOSEN FOR PERMANENT PERENNIAL COVER.

SEED QUALITY

THE TERM "PURE LIVE SEED" IS USED TO EXPRESS THE QUALITY OF SEED AND IS NOT SHOWN ON THE LABEL. PURE LIVE SEED, PLS, IS EXPRESSED AS A PERCENTAGE OF THE SEEDS THAT ARE PURE AND WILL GERMINATE. INFORMATION ON PERCENT GERMINATION AND PURITY CAN BE FOUND ON SEED TAGS. PLS IS DETERMINED BY MULTIPLYING THE PERCENT OF PURE SEED WITH THE PERCENT OF GERMINATION; I.E., PLS = % GERMINATION x % PURITY

THE PERCENT OF PLS HELPS YOU DETERMINE THE AMOUNT OF SEED YOU NEED. FOR EXAMPLE IF THE SEEDING RATE IS 10 POUNDS PLS AND THE BULK SEED IS 56% PLS,

$$\text{THE BULK SEEDING RATE IS: } \frac{\text{10 LBS. OF PLS / ACRE}}{\text{56\% PLS}} = \text{17.9 LBS / ACRE}$$

YOU WOULD NEED TO PLANT 17.9 LBS/ACRE TO PROVIDE 10 LBS/ACRE OF PURE LIVE SEED.

SEEDBED PREPARATION

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

BROADCAST PLANTINGS:

1. TILLAGE AT A MINIMUM, SHALL ADEQUATELY LOOSEN THE SOIL TO A DEPTH OF 4 TO 6 IN. ALLEVIATE COMPACTION; INCORPORATE LIME AND FERTILIZER; SMOOTH AND FIRM THE SOIL; ALLOW FOR THE PROPER PLACEMENT OF SEED, SPRIGS, OR PLANTS; AND ALLOW FOR THE ANCHORING OF STRAW OR HAY MULCH IF A DISK IS TO BE USED.
2. TILLAGE MAY BE DONE WITH ANY SUITABLE EQUIPMENT.
3. TILLAGE SHOULD BE DONE ON THE CONTOUR, WHERE FEASIBLE.
4. ON SLOPES TOO STEEP FOR THE SAFE OPERATION OF TILLAGE EQUIPMENT, THE SOIL SURFACE SHALL BE PITTED OR TRENCHED ACROSS THE SLOPE WITH APPROPRIATE HAND TOOLS TO PROVIDE TWO PLACES 6 TO 8 IN. APART IN WHICH SEED MAY LODGE AND GERMINATE. HYDRAULIC SEEDING MAY ALSO BE USED.

INDIVIDUAL PLANTS

1. WHERE INDIVIDUAL PLANTS ARE TO BE SET, THE SOIL SHALL BE PREPARED BY EXCAVATING HOLES, OPENING FURROWS, OR DIBBLE PLANTING.
2. FOR NURSERY STOCK PLANTS, HOLES SHALL BE LARGE ENOUGH TO ACCOMMODATE ROOTS WITHOUT CROWDING.
3. WHERE PINE SEEDLINGS ARE TO BE PLANTED, SUBSOIL UNDER THE ROW 36 INCHES DEEP ON THE CONTOUR FOUR TO SIX MONTHS PRIOR TO PLANTING. SUBSOILING SHOULD BE DONE WHEN THE SOIL IS DRY, PREFERABLY IN AUGUST OR SEPTEMBER.

INNOCULANTS

ALL LEGUME SEED SHALL BE INOCULATED WITH APPROPRIATE NITROGEN-FIXING BACTERIA. THE INNOCULANT SHALL BE A PURE CULTURE PREPARED SPECIFICALLY FOR THE SEED SPECIES AND USED WITHIN THE DATES ON THE CONTAINER. A MIXING MEDIUM RECOMMENDED BY THE MANUFACTURER SHALL BE USED TO BOND THE INNOCULANT TO THE SEED. FOR CONVENTIONAL SEEDING, USE TWICE THE AMOUNT OF INNOCULANT RECOMMENDED BY THE MANUFACTURER. FOR HYDRAULIC SEEDING, FOUR TIMES THE AMOUNT OF INNOCULANT RECOMMENDED BY THE MANUFACTURER SHALL BE USED. ALL INOCULATED SEED SHALL BE PROTECTED FROM THE SUN AND HIGH TEMPERATURES AND SHALL BE PLANTED THE SAME DAY INOCULATED. NO INOCULATED SEED SHALL REMAIN IN THE HYDROSEEDER LONGER THAN ONE HOUR.

PLANTING

HYDRAULIC SEEDING: MIX THE SEED (INOCULATED IF NEEDED), FERTILIZER, AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH WITH WATER AND APPLY IN A SLURRY UNIFORMLY OVER THE AREA TO BE TREATED. APPLY WITHIN ONE HOUR AFTER THE MIXTURE IS MADE.
CONVENTIONAL SEEDING: SEEDING WILL BE DONE ON A FRESHLY PREPARED AND FIRMED SEEDBED. FOR BROADCAST PLANTING, USE A CULTIPACKER-SEEDER, DRILL, ROTARY SEEDER, OTHER MECHANICAL SEEDER, OR HAND SEEDING TO DISTRIBUTE THE SEED UNIFORMLY OVER THE AREA TO BE TREATED. COVER THE SEED LIGHTLY WITH 1/8 TO 1/4 INCH OF SOIL FOR SMALL SEED AND 1/2 TO 1 INCH FOR LARGE SEED WHEN USING A CULTIPACKER OR OTHER SUITABLE EQUIPMENT.
NO-TILL SEEDING: NO-TILL SEEDING IS PERMISSIBLE INTO ANNUAL COVER CROPS WHEN PLANTING IS DONE FOLLOWING MATURITY OF THE COVER CROP OR IF THE TEMPORARY COVER STAND IS SPARSE ENOUGH TO ALLOW ADEQUATE GROWTH OF THE PERMANENT (PERENNIAL) SPECIES. NO TILL SEEDING SHALL BE DONE WITH APPROPRIATE NO-TILL SEEDING EQUIPMENT. THE SEED MUST BE UNIFORMLY DISTRIBUTED AND PLANTED AT THE PROPER DEPTH.
INDIVIDUAL PLANTS: SHRUBS, VINES AND SPRIGS MAY BE PLANTED WITH APPROPRIATE PLANTERS OR HAND TOOLS. PINE TREES SHALL BE PLANTED MANUALLY IN THE SUBSOIL FURROW. EACH PLANT SHALL BE SET IN A MANNER THAT WILL AVOID CROWDING THE ROOTS. NURSERY STOCK PLANTS SHALL BE PLANTED AT THE SAME DEPTH OR SLIGHTLY DEEPER THAN THEY GREW AT THE NURSERY. THE TOPS OF VINES AND SPRIGS MUST BE AT OR SLIGHTLY ABOVE THE GROUND SURFACE. WHERE INDIVIDUAL HOLES ARE DUG, FERTILIZER SHALL BE PLACED IN THE BOTTOM OF THE HOE, TWO INCHES OF SOIL SHALL BE ADDED AND THE PLANT SHALL BE SET IN THE HOLE.

MULCHING

MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED.

DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. DRY HAY SHALL BE APPLIED AT A RATE OF 2 1/2 TONES PER ACRE.
WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE. DRY STRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE INDICATED ABOVE) AFTER THE HYDRAULIC SEEDING.
ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER, WHICH INCLUDES A TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 4:1 OR STEEPER
SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF THREE TONS PER ACRE.

PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR BEDDING PURPOSES OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FOR SEEDED AREAS.
WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLOCK SOD, MULCH IS NOT REQUIRED. BITUMINOUS TREATED ROVING MAY BE APPLIED ON PLANTED AREAS ON SLOPES, IN DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BITUMINOUS TREATED ROVING SHALL BE APPLIED WITHIN 24 HOURS AFTER AN AREA HAS BEEN PLANTED. APPLICATION RATES AND MATERIALS MUST MEET GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

WOOD CELLULOSE AND WOOD PULP FIBERS SHALL NOT CONTAIN GERMINATION OR GROWTH INHIBITING FACTORS. THEY SHALL BE EVENLY DISPERSED WHEN AGITATED IN WATER. THE FIBERS SHALL CONTAIN A DYE TO ALLOW VISUAL METERING AND AID IN UNIFORM APPLICATION DURING SEEDING.

APPLYING MULCH

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

ANCHORING MULCH

ANCHOR STRAW OR HAY MULCH IMMEDIATELY AFTER APPLICATION BY ONE OF THE FOLLOWING METHODS.:
EMULSIFIED ASPHALT CAN BE (A) SPRAYED UNIFORMLY ONTO THE MULCH AS IT IS EJECTED FROM THE BLOWER MACHINE OR (B) SPRAYED ON THE MULCH IMMEDIATELY FOLLOWING MULCH APPLICATION WHEN STRAW OR HAY IS SPREAD BY METHODS OTHER THAN SPECIAL BLOWER EQUIPMENT. THE COMBINATION OF ASPHALT EMULSION AND WATER SHALL CONSIST OF A HOMOGENEOUS MIXTURE SATISFACTORY FOR SPRAYING. THE MIXTURE SHALL CONSIST OF 100 GALLONS OF WATER PER TON OF MULCH. CARE SHALL BE TAKEN AT ALL TIMES TO PROTECT STATE WATERS, THE PUBLIC, ADJACENT PROPERTY, PAVEMENTS, CURBS, SIDEWALKS AND OTHER STRUCTURES FROM ASPHALT DISCOLORATION. 2. HAY AND STRAW MULCH SHALL BE PRESSED INTO THE SOIL IMMEDIATELY AFTER THE MULCH IS SPREAD. A SPECIAL "PACKER DISK" OR DISK HARROW WITH THE DISKS SET STRAIGHT MAY BE USED. THE DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISKS SHALL BE DULL ENOUGH TO PRESS THE MULCH INTO THE GROUND WITHOUT CUTTING IT, LEAVING MUCH OF IT IN AN ERECT POSITION. MULCH SHALL NOT BE PLOWED INTO THE SOIL. 3. SYNTHETIC TACKIFIERS OR BINDERS APPROVED BY GDOT SHALL BE APPLIED IN CONJUNCTION WITH OR IMMEDIATELY AFTER THE MULCH IS SPREAD. SYNTHETIC TACKIFIERS SHALL BE MIXED AND APPLIED ACCORDING TO MANUFACTURER'S SPECIFICATIONS. REFER TO Tb - TACKIFIERS AND BINDERS. 4. RYE OR WHEAT CAN BE INCLUDED WITH FALL AND WINTER PLANTINGS TO STABILIZE THE MULCH. THEY SHALL BE APPLIED AT A RATE OF ONE-QUARTER TO ONE-HALF BUSHEL PER ACRE. 5. PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH MAY BE NEEDED TO ANCHOR STRAW OR HAY MULCH ON UNSTABLE SOILS AND CONCENTRATED FLOW AREAS. THESE MATERIALS SHALL BE INSTALLED AND ANCHORED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

BEDDING MATERIAL: MULCH USED AS A BEDDING MATERIAL TO CONSERVE MOISTURE AND CONTROL WEEDS IN NURSERIES, ORNAMENTAL BEDS, AROUND SHRUBS, AND ON BARE AREAS ON LAWNS.

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

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

TOPDRESSING: WILL BE APPLIED ON ALL TEMPORARY AND PERMANENT (PERENNIAL) SPECIES PLANTED ALONE OR IN MIXTURES WITH OTHER SPECIES. RECOMMENDED RATES OF APPLICATION ARE LISTED IN TABLE 6-5.1

SECOND YEAR AND MAINTENANCE FERTILIZATION: SECOND YEAR FERTILIZER RATES AND MAINTENANCE FERTILIZER RATES ARE LISTED IN TABLE 6-5.1

LIME MAINTENANCE APPLICATION: APPLY ONE TON OF AGRICULTURAL LIME EVERY 4 TO 6 YEARS OR AS INDICATED BY SOIL TESTS. SOIL TESTS CAN BE CONDUCTED TO DETERMINE MORE ACCURATE REQUIREMENTS IF DESIRED.

		ANALYSIS OR EQUIVALENT N-P-K		N TOP DRESSING RATE
1. COOL SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 LBS./AC. 1000 LBS./AC. 400 LBS./AC.	50-100 LBS./AC. 1/ 2/ -- 30
2. COOL SEASON GRASSES AND LEGUMES	FIRST SECOND MAINTENANCE	6-12-12 0-10-10 0-10-10	1500 LBS./AC. 1000 LBS./AC. 400 LBS./AC.	0-50 LBS./AC. 1/ -- --
3. GROUND COVERS	FIRST SECOND MAINTENANCE FIRST	10-10-10 10-10-10 10-10-10	1300 LBS./AC. 3/ 1300 LBS./AC. 3/ 1100 LBS./AC.	-- -- --
4. PINE SEEDLINGS	FIRST	20-10-5	ONE 21-GRAM PELLET PER SEEDLING PLACED IN THE CLOSING HOLE	--
5. SHRUB LESPEDEZA	MAINTENANCE FIRST	0-10-10 0-10-10	700 LBS./AC. 700 LBS./AC. 4/	--
6. TEMPORARY COVER CROPS SEEDED ALONE		10-10-10	500 LBS./AC.	30 LBS./AC. 5/
7. WARM SEASON GRASSES	FIRST SECOND MAINTENANCE FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 LBS./AC. 800 LBS./AC. 400 LBS./AC.	50-100 LBS./AC. 2/ 6/ 50-100 LBS./AC. 2/ 30 LBS./AC.
8. WARM SEASON GRASSES AND LEGUMES		6-12-12 0-10-10 0-10-10	1500 LBS./AC. 1000 LBS./AC. 400 LBS./AC.	50 LBS./AC. 6/

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

USE AND MANAGEMENT: MOW SERICEA LESPEDEZA ONLY AFTER FROST TO ENSURE THAT THE SEEDS ARE MATURE. MOW BETWEEN NOVEMBER AND MARCH. BERMUDAGRASS, BAHIAGRASS AND TALL FESCUE MAY BE MOWED AS DESIRED. MAINTAIN AT LEAST 6 INCHES OF TOP GROWTH UNDER ANY USE AND MANAGEMENT. MODERATE USE OF TOP GROWTH IS BENEFICIAL AFTER ESTABLISHMENT. EXCLUDE TRAFFIC UNTIL THE PLANTS ARE WELL ESTABLISHED. BECAUSE OF THE QUAIL NESTING SEASON, MOWING SHOULD NOT TAKE PLACE BETWEEN MAY AND SEPTEMBER.

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 WHICH 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.

METHODS AND MATERIALS

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 STANDARD Tb-TACKIFIERS AND BINDERS. RESINS SUCH AS CURASOL OR TERRATACK SHOULD BE USED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

VEGETATIVE COVER SEE STANDARD 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 STANDARD Tb-TACKIFIERS AND BINDERS.

TILLAGE THIS PRACTICE IS DESIGNED TO ROUGHEN AND BRING CLODS TO THE SURFACE. IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE WIND EROSION STARTS. BEGIN PLOWING ON WINDWARD SIDE OF THE SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, SPRING TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH 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 A RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.

PERMANENT METHODS

PERMANENT VEGETATION SEE STANDARD 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 STANDARD Tp-TOPSOILING.

STONE COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL. SEE STANDARD Cr-CONSTRUCTION ROAD STABILIZATION.

Du DUST CONTROL ON DISTURBED AREAS
N.T.S.

PLANTS, PLANTING RATES, AND PLANTING DATES

SPECIES	BROADCAST RATES 1/ - PLS 2/ PER ACRE	PER 1000 sq. ft.	RESOURCE AREA 3/	PLANTING DATES BY RESOURCE AREAS – PLANTING DATES (SOLID LINES INDICATE OPTIMUM DATES, DOTTED LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.) J F M A M J J A S O N D	REMARKS
BAHIA, PENSACOLA (PASPALUM NOTATUM)			P C		166,000 SEED PER POUND. LOW GROWING. SOD FORMING. SLOW TO ESTABLISH. PLANT WITH A COMPANION CROP. WILL SPREAD INTO BERMUDA PASTURES AND LAWNS. MIX WITH SERICEA LESPEDEZA OR WEEPING LOVEGRASS.
ALONE OR WITH TEMPORARY COVER	60 LBS	1.4 LB			
WITH OTHER PERENNIALS	30 LBS	0.7 LB			
BAHIA, WILMINGTON (PASPALUM NOTATUM)			M-L P		SAME AS ABOVE
ALONE OR WITH TEMPORARY COVER	60 LBS	1.4 LB			
WITH OTHER PERENNIALS	30 LBS	0.7 LB			
BERMUDA, COMMON (CYNODON DACTYLON)			P C		1,787,000 SEED PER POUND. QUICK COVER. LOW GROWING AND SOD FORMING. FULL SUN. GOOD FOR ATHLETIC FIELDS.
ALONE	10 LBS	0.2 LB			
WITH OTHER PERENNIALS	6 LBS	0.1 LB			
BERMUDA, COMMON (CYNODON DACTYLON)			P C		
UNHULLED SEED					PLANT WITH WINTER ANNUALS.
WITH TEMPORARY COVER	10 LBS	0.2 LB			PLANT WITH TALL FESCUE.
WITH OTHER PERENNIALS	6 LBS	0.1 LB			
BERMUDA SPRIGS (CYNODON DACTYLON)	40 CU. FT OR SOD PLUGS 3' X 3'	0.9 CU. FT.	M-L		
COASTAL, COMMON, MIDLAND, OR TIFT 44					A CUBIC FOOT CONTAINS APPROXIMATELY 650 SPRIGS. A BUSHEL CONTAINS 1.25 CUBIC FEET OR APPROXIMATELY 800 SPRIGS.
COASTAL, COMMON, OR TIFT 44			P C		SAME AS ABOVE
TIFT 78			C		SOUTHERN COASTAL PLAIN ONLY.
CENTIPEDE (ERMOCHLOA OPHIUROIDES)	BLOCK SOD ONLY		P C		DROUGHT TOLERANT. FULL SUN OR PARTIAL SHADE. EFFECTIVE ADJACENT TO CONCRETE AND IN CONCENTRATED FLOW AREAS. IRRIGATION IS NEEDED UNTIL FULLY ESTABLISHED. DO NOT PLANT NEAR PASTURES. WINTERHARDY AS FAR NORTH AS ATHENS AND ATLANTA.
				J F M A M J J A S O N D	

PLANTS, PLANTING RATES, AND PLANTING DATES

SPECIES	BROADCAST RATES 1/ - PLS 2/ PER ACRE	PER 1000 sq. ft.	RESOURCE AREA 3/	PLANTING DATES BY RESOURCE AREAS – PLANTING DATES (SOLID LINES INDICATE OPTIMUM DATES, DOTTED LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.) J F M A M J J A S O N D	REMARKS
CROWNVETCH (CORONILLA VARIA) WITH WINTER ANNUALS OR COOL SEASON GRASSES	15 LBS	0.3 LB	M-L P		100,000 SEED PER POUND. DENSE GROWTH. DROUGHT TOLERANT AND FIRE RESISTANT. ATTRACTIVE ROSE, PINK, AND WHITE BLOSSOMS SPRING TO LATE FALL. MIX WITH 30 POUNDS OF TALL FESCUE OR 15 POUNDS OF RYE. INOCULATE SEED WITH M INNOCULANT. USE FROM NORTH ATLANTA AND NORTHWARD.
FESCUE, TALL (FESTUCA ARUNDINACEA)			M-L P		227,000 SEED PER POUND. USE ALONE ONLY ON BETTER SITES. NOT FOR DROUGHTY SOILS. MIX WITH PERENNIAL LESPEDEZAS OR CROWNVETCH. APPLY TOPDRESSING IN SPRING FOLLOWING FALL PLANTINGS. NOT FOR HEAVY USE AREAS OR ATHLETIC FIELDS.
ALONE	50 LBS.	1.1 LB.			
WITH OTHER PERENNIALS	30 LBS.	0.7 LB.			
LESPEDEZA SERICEA (LESPEDEZA CUNEATA)					
SCARIFIED	60 LBS.	1.4 LB.	M-L P C		350,000 SEED PER POUND. WIDELY ADAPTED. LOW MAINTENANCE. MIX WITH WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA, OR TALL FESCUE. TAKES 2 TO 3 YEARS TO BECOME FULLY ESTABLISHED. EXCELLENT ON ROADBANKS. INOCULATE SEED WITH EL INNOCULANT.
UNSCARIFIED	75 LBS.	1.7 LB.	M-L P C		MIX WITH TALL FESCUE OR WINTER ANNUALS.
SEED-BEARING HAY	3 TONS	138 LBS.	M-L P C		CUT WHEN SEED IS MATURE, BUT BEFORE IT SHATTERS. ADD TALL FESCUE OR WINTER ANNUALS.
				J F M A M J J A S O N D	

Ds-3 DISTURBED AREA STABILIZATION w/ PERMANENT VEGETATION
N.T.S.

PLANTS, PLANTING RATES, AND PLANTING DATES

SPECIES	BROADCAST RATES 1/ - PLS 2/ PER ACRE	PER 1000 SQ. FT.	RESOURCE AREA 3/	PLANTING DATES BY RESOURCE AREAS – PLANTING DATES (SOLID LINES INDICATE OPTIMUM DATES DOTTED LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.) J F M A M J J A S O N D	REMARKS
LESPEDEZA AMBRO VIRGATA (LESPEDEZA VIRGATA DC) OR APPALOW (LESPEDEZA CUNEATA [DUMONT] G. DON)					300,000 SEED PER POUND. HEIGHT OF GROWTH IS 18 TO 24 INCHES. ADVANTAGEOUS IN URBAN AREAS. SPREADING-TYPE GROWTH. NEW GROWTH HAS BRONZE COLORATION. MIX WITH WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA, TALL FESCUE OR WINTER ANNUALS. DO NOT MIX WITH SERICEA LESPEDEZA. SLOW TO DEVELOP SOLID STANDS. INNOCULATE SEED WITH EL INNOCULANT.
SCARIFIED	60 LBS	1.4 LB	M-L P C		
UNSCARIFIED	75 LBS	1.7 LB	M-L P C		
LESPEDEZA, SHRUB (LESPEDEZA BICOLOR) (LESPEDEZA THUMBERGII)			M-L P C		PROVIDE WILDLIFE FOOD AND COVER
PLANTS	3' X 3'				
LOVEGRASS, WEEPING (ERAGROSTIS CURVULA)			M-L P C		1,500,000 SEED PER POUND. QUICK COVER. DROUGHT TOLERANT. GROWS WELL WITH SERICEA LESPEDEZA ON ROADBANKS
ALONE WITH OTHER PERENNIALS	4 LBS 2 LBS	0.1 LB 0.05 LB			
MAIDENCANE (PANICUM HERMITOMON) SPRIGS	2' X 3' SPACING		ALL		FOR VERY WET SITES. MAY CLOG CHANNELS. DIG SPRIGS FROM LOCAL SOURCES. USE ALONG RIVER BANKS AND SHORELINES.
PANICGRASS, ATLANTIC COASTAL (PANICUM AMARUM VAR. AMARULUM)	20 LBS	0.5 LB	P C		GROWS WELL ON COASTAL SAND DUNES, BORROW AREAS, AND GRAVEL PITS. PROVIDES WINTER COVER FOR WILDLIFE. MIX WITH SERICEA LESPEDEZA EXCEPT ON SAND DUNES
REED CANARY GRASS (PHALARIS ARUNDINACEA) ALONE WITH OTHER PERENNIALS	50 LBS 30 LBS	1.1 LB 0.7 LB	M-L P		GROWS SIMILAR TO TALL FESCUE
SUNFLOWER 'AZTEC' MAXIMILLIAN (HELIANTHUS MAXIMILIANI)	10 LBS	0.2 LB	M-L P C		227,000 SEED PER POUND. MIX WITH WEEPING LOVEGRASS OR OTHER LOW-GROWING GRASSES OR LEGUMES.
				J F M A M J J A S O N D	

SOUTHEASTERN ENGINEERING, INC.
2470 Sandy Plains Road Marietta, Georgia 30066
417 Selborne Way Suite A Palmetto, Gorgia 30268
tel: 770-321-3936
www.seengineering.com

988-22-168

No	REVISION DESCRIPTION	DATE
1	-	-
2	-	-
3	-	-
4	-	-

PROJECT OWNED/DEVELOPED BY:
CITY OF PEACHTREE CORNERS
310 TECHNOLOGY PARKWAY
PEACHTREE CORNERS, GA. 30092
(678) 691-1200

24 HOUR CONTACT INFORMATION
GREG RAMSEY (678) 691-1200

ESCP DETAILS

PEACHTREE CORNERS PUBLIC WORKS FACILITY
PROJECT LOCATED AT:
LL 284 6TH DISTRICT
CITY OF PEACHTREE CORNERS
GWINNETT COUNTY, GEORGIA

NO. 31277
E. WAYNE MATTHEWS, JR.

ISSUED FOR:
PRELIMINARY

Project No.: 988-22-168
Designed By: JJS
Issue Date: 9/26/23

C6.5.2

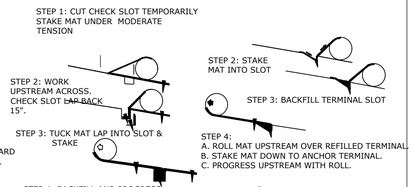
GSWCC
Georgia Soil and Water Conservation Commission

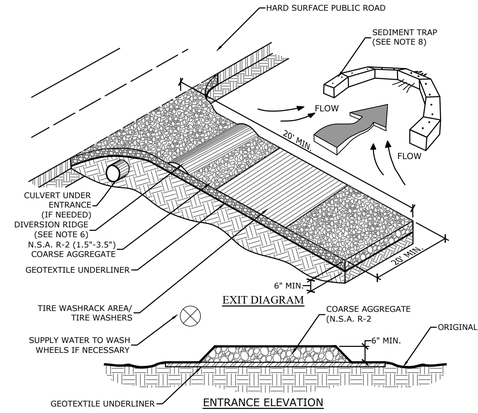
E. Wayne Matthews, Jr.
Level II Certified Design Professional
Certification Number 0000035388
Issued: 02/06/2010 Expires: 02/06/2025

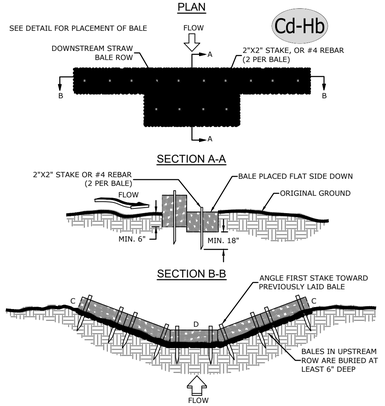
811 Know what's below. Call before you dig.

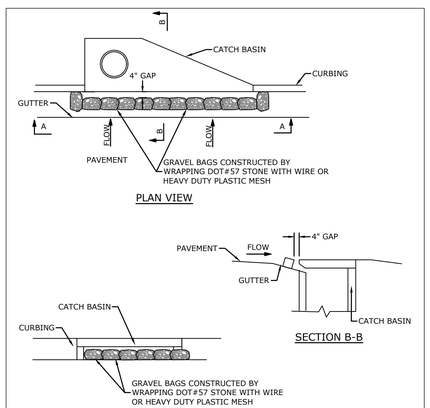
PTC Approved

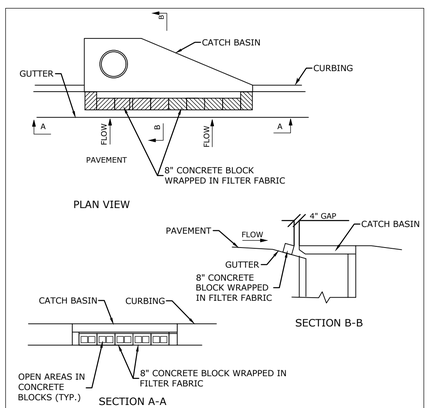
FILE NAME: I:\CUSTOMERS_PROJECTS\988 City Of Peachtree Corners\988-22-168 Technology Parkway 350\Eng\Construction\988-22-168 C-EROS.dwg PLOT STYLE: SEI-SITE-C.ctb PLOT DATE:9/26/2023 USER:JOHN SKIOTIS

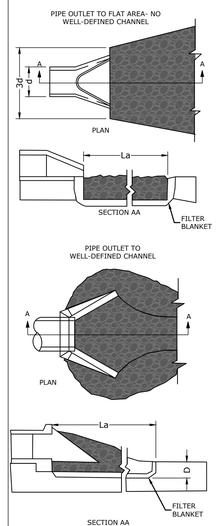


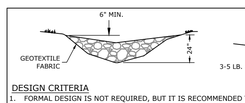












DEFINITION
A PROTECTIVE COVERING (BLANKET) OR SOIL STABILIZATION MAT USED TO ESTABLISH PERMANENT VEGETATION ON STEEP SLOPES, CHANNELS, OR SHORELINES.

PURPOSE
- TO PROVIDE A MICROCLIMATE WHICH PROTECTS YOUNG VEGETATION AND PROMOTES ITS ESTABLISHMENT.
- TO REINFORCE THE TURF TO RESIST FORCES OF EROSION DURING STORM EVENTS.

CONDITIONS
MATTING AND BLANKETS CAN BE APPLIED ON STEEP SLOPES WHERE EROSION HAZARD IS HIGH AND PLANTING IS LIKELY TO BE TOO SLOW IN PROVIDING ADEQUATE PROTECTIVE COVER. CONCENTRATED FLOW AREAS, ALL SLOPES STEEPER THAN 2.5:1 AND WITH A HEIGHT OF TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFERS, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKETS. MAINTENANCE OF FINAL VEGETATIVE COVER MUST BE CONSIDERED WHEN CHOOSING BLANKETS VERSES MATTING. ON STREAMBANKS OR TIDAL SHORELINES WHERE MOVING WATER IS PRESENT, MATTING CAN PREVENT NEW PLANTINGS FROM BEING WASHED AWAY.

PLANNING CONSIDERATIONS
CARE MUST BE TAKEN TO CHOOSE THE TYPE OF BLANKET OR MATTING WHICH IS MOST APPROPRIATE FOR THE SPECIFIC NEEDS OF A PROJECT. TWO GENERAL TYPES OF BLANKETS AND MATS ARE DISCUSSED WITHIN THIS SPECIFICATION. DUE TO THE ABUNDANCE OF EROSION CONTROL MATTING AND BLANKET PRODUCTS AVAILABLE, ALL OF THE ADVANTAGES, DISADVANTAGES, AND SPECIFICATIONS OF ALL MANUFACTURED PRODUCTS WILL NOT BE DISCUSSED IN THIS MANUAL. MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS, AS WELL AS A SITE VISIT BY DESIGNER AND PLAN REVIEWER IS HIGHLY RECOMMENDED TO DETERMINE A PRODUCT'S APPROPRIATENESS.

TEMPORARY EROSION CONTROL BLANKETS
THIS INCLUDES TEMPORARY "COMBINATION" BLANKETS (ROLLED EROSION CONTROL BLANKETS-RECB) CONSISTING OF A PLASTIC NETTING WHICH COVERS AND IS INTERTWINED WITH A NATURAL ORGANIC OR MANMADE MULCH; OR, A JUTE MESH WHICH IS TYPICALLY HOMOGENEOUS IN DESIGN AND CAN ACT ALONE AS A SOIL STABILIZATION BLANKET. TEMPORARY BLANKETS AS A MINIMUM SHALL BE USED TO STABILIZE CONCENTRATED FLOW AREAS WITH A VELOCITY LESS THAN 5 FT/SEC AND SLOPES 2.5:1 OR STEEPER WITH A HEIGHT OF 10 FEET OT GREATER. BECAUSE TEMPORARY BLANKETS WILL DETERIORATE IN A SHORT PERIOD OF TIME, THEY PROVIDE NO ENDURING REDUCTION IN EROSION PROTECTION.

BENEFITS OF USING EROSION BLANKETS INCLUDE THE FOLLOWING:

1. PROTECTION OF THE SEED AND SOIL FROM RAINDROP IMPACT AND SUBSEQUENT DISPLACEMENT.
2. THERMAL CONSISTENCY AND MOISTURE RETENTION FOR SEEDBED AREA.
3. STRONGER AND FASTER GERMINATION OF GRASSES AND LEGUMES.
4. PLANING OFF EXCESS STORMWATER RUNOFF.
5. PREVENTION OF SLOUGHING OF TOPSOIL ADDED TO STEEPER SLOPES.

PERMANENT EROSION CONTROL MATTING

CONSISTS OF A PERMANENT NON-DEGRADABLE, THREE-DIMENSIONAL PLASTIC STRUCTURE WHICH CAN BE FILLED WITH SOIL PRIOR TO PLANTING. THESE MATS ARE ALSO KNOWN AS PERMANENT SOIL REINFORCING MATS (TURF REINFORCEMENT MATTING). ROOTS PENETRATE AND BECOME ENTANGLED IN THE MATRIX, FORMING A CONTINUOUS ANCHORAGE FOR SURFACE GROWTH AND PROMOTING ENHANCED ENERGY DISSIPATION. MATTING SHALL BE USED WHEN A VEGETATIVE LINING IS DESIRED IN STORMWATER CONVEYANCE CHANNELS WHERE THE VELOCITY IS BETWEEN FIVE AND TEN FEET PER SECOND.

BENEFITS OF USING EROSION CONTROL MATTING INCLUDE THE FOLLOWING:

1. ALL BENEFITS GAINED FROM USING EROSION CONTROL BLANKETS.
2. CAUSES SOIL TO DROP OUT OF STORMWATER AND FILL MATRIX WITH FINE SOILS WHICH BECOME THE GROWTH MEDIUM FOR THE DEVELOPMENT OF ROOTS.
3. ACTS WITH THE VEGETATIVE ROOT SYSTEM TO FORM AN EROSION RESISTANT COVER WHICH RESISTS HYDRAULIC LIFT AND SHEAR FORCES WHEN EMBEDDED IN THE SOIL WITHIN STORMWATER CHANNELS.

MATERIALS: ALL BLANKET AND MATTING MATERIALS SHALL BE ON THE GEORGIA DEPARTMENT OF TRANSPORTATION QUALIFIED PRODUCTS LIST (QPL # 62 FOR BLANKETS, QPL # 49 FOR MATTING). ALL BLANKETS SHALL BE NONTOXIC TO VEGETATION AND TO THE GERMINATION OF SEED AND SHALL NOT BE INJURIOUS TO THE UNPROTECTED SKIN OF HUMANS. AT A MINIMUM, THE PLASTIC NETTING SHALL BE INTERTWINED WITH THE MULCHING MATERIAL/FIBER TO MAXIMIZE STRENGTH AND PROVIDE FOR EASE OF HANDLING.

TEMPORARY BLANKETS: MACHINE PRODUCED TEMPORARY COMBINATION BLANKETS SHALL HAVE A CONSISTENT THICKNESS WITH THE ORGANIC MATERIAL EVENLY DISTRIBUTED OVER THE ENTIRE BLANKET AREA. ALL COMBINATION BLANKETS SHALL HAVE A MINIMUM WIDTH OF 48 INCHES. MACHINE PRODUCED COMBINATION BLANKETS INCLUDE THE FOLLOWING:
A. STRAW BLANKETS ARE COMBINATION BLANKETS THAT CONSIST OF WEED-FREE STRAW FROM AGRICULTURAL CROPS FORMED INTO A BLANKET. BLANKETS WITH A TOP SIDE OF PHOTODEGRADABLE PLASTIC MESH WITH A MAXIMUM MESH SIZE OF 5/16 X 5/16 INCH AND SEWN TO THE STRAW WITH BIODEGRADABLE THREAD IS APPROPRIATE FOR SLOPES. THE BLANKET SHALL HAVE A MINIMUM THICKNESS OF 3/8 INCH AND MINIMUM DRY WEIGHT OF 0.5 POUNDS PER SQUARE YARD.
B. EXCELSIOR BLANKETS ARE COMBINATION BLANKETS THAT CONSIST OF CURLED WOOD EXCELSIOR (80% OF FIBERS ARE SIX INCHES OR LONGER) FORMED INTO A BLANKET. THE BLANKET SHALL HAVE CLEAR MARKINGS INDICATING THE TOP SIDE OF THE BLANKET AND BE SMOLDER RESISTANT. BLANKETS SHALL HAVE PHOTODEGRADABLE PLASTIC MESH HAVING A MAXIMUM MESH SIZE OF 1 1/2 X 3 INCHES. THE BLANKET SHALL HAVE A MINIMUM THICKNESS OF 1/4 OF AN INCH AND A MINIMUM DRY WEIGHT OF 0.8 POUNDS PER SQUARE YARD. SLOPES REQUIRE EXCELSIOR MATTING WITH THE TOP SIDE OF THE BLANKET COVERED IN THE PLASTIC MESH, AND FOR WATER- WAYS, BOTH SIDES OF THE MESH REQUIRE PLASTIC MESH.
C. COCONUT FIBER BLANKETS ARE COMBINATION BLANKETS THAT CONSIST OF 100% COCONUT FIBER FORMED INTO A BLANKET. THE MINIMUM THICKNESS OF THE BLANKET SHALL BE 1/4 OF AN INCH WITH A MINIMUM WEIGHT OF 0.5 POUNDS PER SQUARE YARD. BLANKETS SHALL HAVE PHOTODEGRADABLE PLASTIC MESH, WITH A MAXIMUM MESH SIZE OF 5/8 X 5/8 INCH AND SEWN TO THE FIBER WITH A BREAKDOWN RESISTANT SYNTHETIC YARN. PLASTIC MESH IS REQUIRED ON BOTH SIDES OF THE BLANKET IF USED IN WATER- WAYS. A MAXIMUM OF TWO INCHES IS ALLOWABLE FOR THE STITCH PATTERN AND ROW SPACING.
D. WOOD FIBER BLANKETS ARE COMBINATION BLANKETS THAT CONSIST OF REPROCESSED WOOD FIBERS THAT DO NOT POSSESS OR CONTAIN ANY GROWTH OR GERMINATION INHIBITING FACTORS. THE BLANKET SHALL HAVE A PHOTODEGRADABLE PLASTIC MESH, WITH A MAXIMUM MESH SIZE OF 5/8 X 3/4 INCH, SECURELY BONDED TO THE TOP OF THE MAT. THE BLANKET SHALL HAVE A MINIMUM DRY WEIGHT OF 0.35 POUNDS PER SQUARE YARD. A MAXIMUM OF TWO INCHES IS ALLOWABLE FOR THE STITCH PATTERN AND ROW SPACING. THIS PRACTICE SHALL BE APPLIED ONLY TO SLOPES.
E. JUTE MESH CAN BE APPLIED TO SLOPES. JUTE MESH WITH A 48 INCH WIDTH SHALL SHOW BETWEEN 76 AND 80 WARPINGS AND A ONE YARD LENGTH SHALL SHOW BETWEEN 39 AND 43 WEFTINGS. THE WOVEN MESH SHALL BE AT LEAST 45 INCHES WIDE. YARN SHALL HAVE A UNIT WEIGHT OF AT LEAST 0.9 POUNDS PER SQUARE YARD, BUT NOT MORE THAN 1.5 POUNDS PER SQUARE YARD.

STEP 1: CUT CHECK SLOT TEMPORARILY STAKE MAT UNDER MODERATE TENSION

STEP 2: SNUG MAT INTO SLOT

STEP 2: WORK UPSTREAM ACROSS. CHECK SLOT LAP BACK 15".

STEP 2: STAKE MAT INTO SLOT

STEP 3: BACKFILL TERMINAL SLOT

STEP 3:
A. STAKE MAT INTO SLOT
B. USE 1"x3" PRESSURE TREATED BOARD TO BRACE MAT AGAINST VERTICAL CUT.
C. BACKFILL AND COMPACT.

STEP 3: TUCK MAT LAP INTO SLOT & STAKE

STEP 4:
A. ROLL MAT UPSTREAM OVER REFILLED TERMINAL.
B. STAKE MAT DOWN TO ANCHOR TERMINAL.
C. PROGRESS UPSTREAM WITH ROLL.

STEP 4: BACKFILL AND PROGRESS UPSTREAM PULL OUT TEMPORARY STAKES WHEN NO LONGER NEEDED FOR TENSIONING.

STEP 4:
A. REVERSE MAT ROLL DIRECTION TO OVERLAY CHECK SLOT.
B. STAKE MAT TO ANCHOR TERMINAL

SEQUENTIAL ROLL RUN OUT IN CHANNELS
1. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
2. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
3. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND FIRST ROLL. USE CENTER ROLL FOR ALIGNMENT TO CHANNEL CENTER.
4. WORK OUTWARDS FROM CHANNEL CENTER TO EDGE.
5. USE 3' OVERLAP AND STAKE AT 5' INTERVAL ALONG SEAMS.
6. USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT LINING AT ROLL ENDS.

PICTORAL VIEW OF TRANSVERSE SLOT

PERMANENT MATTING: PERMANENT MATTING SHALL CONSIST OF A LOFTY WEB OF MECHANICALLY OR MELT BONDED POLYMER NETTINGS, MONOFILAMENTS OR FIBER WHICH ARE ENTANGLED TO FORM A STRONG AND DIMENSIONALLY STABLE MATRIX. POLYMER WELDING, THERMAL OR POLYMER FUSION, OR THE PLACEMENT OF FIBERS BETWEEN TWO HIGH STRENGTH, BIAXIALLY ORIENTED NETS BOUND SECURELY TOGETHER BY PARALLEL LOCK STITCHING WITH POLYOLEFIN, NYLON OR POLYESTER THREADS ARE ALL APPROPRIATE BONDING METHODS. MATS SHALL MAINTAIN THEIR SHAPE BEFORE, DURING, AND AFTER INSTALLATION, UNDER DRY OR WATER SATURATED CONDITIONS. MATS MUST BE STABILIZED AGAINST ULTRAVIOLET DEGRADATION AND SHALL BE INERT TO CHEMICALS NORMALLY ENCOUNTERED IN A NATURAL SOIL ENVIRONMENT. THE MAT SHALL CONFORM TO THE FOLLOWING PHYSICAL PROPERTIES:

PROPERTY	MINIMUM VALUE
THICKNESS	0.5 INCH
WEIGHT	0.6 PSY
ROLL WIDTH	38 INCHES
TENSILE STRENGTH	
LENGTH (50% ELONGATION)	15 IBS./IN.
LENGTH (ULTIMATE)	20 LBS./IN.
WIDTH (50% ELONGATION)	5 LBS./IN.
WIDTH (ULTIMATE)	10 LBS./IN.
(ASTM D 1682 - 6"STRIP)	
ULTRAVIOLET STABILITY	80%
(1000 HRS. IN AN ATLAS ARC WEATHERMETER, ASTM G 23, TYPE D IN ACCORDANCE WITH ASTM D 822)	

SITE PREPARATION: AFTER THE SITE HAS BEEN SHAPED AND GRADED TO THE APPROVED DESIGN, PREPARE A FRIABLE SEEDBED RELATIVELY FREE FROM CLODS AND ROCKS MORE THAN ONE INCH IN DIAMETER, AND ANY FOREIGN MATERIAL THAT WILL PREVENT CONTACT OF THE SOIL STABILITATION MAT WITH THE SOIL SURFACE. SURFACE MUST BE SMOOTH TO ENSURE PROPER CONTACT OF BLANKETS OR MATTING TO THE SOIL SURFACE. IF NECESSARY, REDIRECT ANY RUNOFF FROM THE DITCH OR SLOPE DURING THE FOLLOWING ARE CONSIDERED APPROPRIATE STAPLING AND STAKING MATERIALS. TEMPORARY BLANKETS THIS INCLUDES STRAW, EXCELSIOR, COCONUT FIBER, AND WOOD FIBER BLANKETS. STAPLES SHALL BE USED TO ANCHOR TEMPORARY BLANKETS. U-SHAPED WIRE (11 GAUGE OR GREATER) STAPLES WITH LEGS AT LEAST 6 INCHES IN LENGTH AND A CROWN OF ONE INCH OR APPROPRIATE BIODEGRADABLE STAPLES CAN BE USED. STAPLES SHALL BE OF SUFFICIENT THICKNESS FOR SOIL PENETRATION WITHOUT UNDUE DISTORTION.

PERMANENT MATTING: SOUND WOOD STAKES, 1X3 INCHES STOCK SAWN IN A TRIANGULAR SHAPE, SHALL BE USED. DEPENDING ON THE COMPACTION OF THE SOIL, SELECT STAKES WITH A LENGTH FROM 12 TO 18 INCHES. U-SHAPED STAPLES SHALL BE 11 GAUGE STEEL OR GREATER, WITH LEGS AT A MINIMUM OF 8 INCHES LENGTH WITH A 2 INCH CROWN.

PLANTING: LIME, FERTILIZER, AND SEED SHALL BE APPLIED IN ACCORDANCE WITH SEEDING OR OTHER TYPE OF PLANTING PLAN COMPLETED TO INSTALLATION OF TEMPORARY COMBINATION BLANKETS OR JUTE MESH. FOR PERMANENT MATS, THE AREA MUST BE BROUGHT TO FINAL GRADE, PLOWED, LIMED, AND FERTILIZED. AFTER THE PERMANENT MAT HAS BEEN INSTALLED AND BACKFILLED, THE ENTIRE AREA SHALL BE GRASSED. REFER TO SPECIFICATION Ds3 - DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION).

INSTALLATION: FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR LAYING AND STAPLING.

MAINTENANCE: ALL EROSION CONTROL BLANKETS AND MATTING SHOULD BE INSPECTED PERIODICALLY TO CHECK FOR EROSION AND UNDERMINING. ANY DISLOCATION OR FAILURE SHOULD BE REPAIRED IMMEDIATELY. IF WASHOUTS OR BREAKAGE OCCURS, REINSTALL THE MATERIAL AFTER REPAIRING THE DAMAGE TO THE SLOPE OR DITCH. CONTINUE TO MONITOR THESE AREAS UNTIL THEY BECOME PERMANENTLY STABILIZED.

SS EROSION CONTROL MATTING & BLANKETS

SLOPE STABILIZATION N.T.S.

EXIT DIAGRAM

ENTRANCE ELEVATION

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 WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE 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 ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

① CRUSHED STONE CONSTRUCTION EXIT

NOT TO SCALE Co

TYPICAL STRAW BALE CHECK DAM

Cd-Hb

NOTES:
1. BALES SHOULD BE BOUND WITH WIRE OR NYLON STRING AND SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. REMOVE #4 REBAR AFTER STRAW BALES ARE NO LONGER IN PLACE.
3. POINT C OF SECTION B-B SHOULD ALWAYS BE HIGHER THAN POINT D.

SECTION A-A

CONSTRUCTION SPECIFICATIONS:
1. ONCE PAVEMENT HAS BEEN INSTALLED, A CURB INLET FILTER SHALL BE INSTALLED ON INLETS RECEIVING RUNOFF FROM DISTURBED AREAS.
2. THIS METHOD OF INLET PROTECTION SHALL BE REMOVED IF A SAFETY HAZARD IS CREATED.
3. ONE METHOD OF CURB INLET PROTECTION USES "PIGS-IN-A-BLANKET" - 8" CONCRETE BLOCKS WRAPPED IN FILTER FABRIC.
4. THE OTHER USES GRAVEL BAGS CONSTRUCTED BY WRAPPING DOT #57 STONE WITH FILTER FABRIC, WIRE, PLASTIC MESH, OR EQUIVALENT MATERIAL.
5. A GAP OF APPROXIMATELY 4 INCHES SHALL BE LEFT BETWEEN THE INLET FILTER AND THE INLET TO ALLOW FOR OVERFLOW AND PREVENT HAZARDOUS PONDING IN THE ROADWAY.
6. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE TRAP.
7. SEDIMENT SHALL BE REMOVED FROM CURB INLET PROTECTION IMMEDIATELY.
8. SEDIMENT SHALL NOT BE WASHED INTO THE INLET. IT SHALL BE REMOVED FROM THE SEDIMENT TRAP, DISPOSED OF AND STABILILZED SO THAT IT WILL NOT ENTER THE INLET AGAIN.
9. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, ALL MATERIALS AND ANY SEDIMENT SHALL BE REMOVED, AND EITHER SALVAGED OR DISPOSED OF PROPERLY.

Sd2-Bg BLOCK & GRAVEL CURB INLET SEDIMENT TRAP

N.T.S.

SECTION A-A

CONSTRUCTION SPECIFICATIONS:
1. ONCE PAVEMENT HAS BEEN INSTALLED, A CURB INLET FILTER SHALL BE INSTALLED ON INLETS RECEIVING RUNOFF FROM DISTURBED AREAS.
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9. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, ALL MATERIALS AND ANY SEDIMENT SHALL BE REMOVED, AND EITHER SALVAGED OR DISPOSED OF PROPERLY.

Sd2-P INLET SEDIMENT TRAP-CURB INLET PROTECTION

N.T.S.

CONSTRUCTION NOTES:

1. La = THE LENGTH OF APRON.
2. d= DIAMETER OR OUTLET PIPE
3. D = 1.5 TIMES STONE DIAMETER,6" MIN.
4. IN A WELL-DEFINCED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
5. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.
6. ENSURE THAT THE SUBGRADE FOR THE FILTER AND THE RIPRAP FOLLOWS THE REQUIRED LINES AND GRADES SHOWN IN THE PLAN. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO THE DENSITY STATED IN THE SPECIFICATIONS.
7. THE RIPRAP AND GRAVEL FILTER MUST CONFORM TO THE SPECIFIED GRADING LIMITS SHOWN ON THE PLANS.
8. GEOTEXTILE MUST MEET DESIGN REQUIREMENTS AND BE PROPERLY PROTECTED FROM PUNCHING OR TEARING DURING INSTALLATION. REPAIR ANY DAMAGE BY REMOVING THE RIPRAP AND PLACING ANOTHER PIECE OF FILTER FABRIC OVER THE DAMAGED AREA. ALL CONNECTING JOINTS SHOULD OVERLAP A MIN. OF 1 FT. IF THE DAMAGE IS EXTENSIVE, REPLACE THE ENTIRE FILTER FABRIC.
9. CONSTRUCT THE APRON ON ZERO GRADE WITH NO OVERFALL AT THE END. MAKE THE TOP OF THE RIPRAP AT THE DOWNSTREAM END LEVEL WITH THE RECEIVING AREA OR SLIGHTLY BELOW IT.
10. FILTER: INSTALL A FILTER TO PREVENT SOIL MOVEMENT THROUGH THE OPENINGS IN THE RIPRAP. THE FILTER SHOULD CONSIST OF A GRADED GRAVEL LAYER AND A SYNTHETIC FILTER CLOTH.
11. INSPECT RIPRAP OUTLET STRUCTURES AFTER HEAVY RAINS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

St STORM DRAIN OUTLET PROTECTION

N.T.S.

SEE PLAN FOR ROCK SIZE (DETERMINED ACCORDING TO SPECIFICATIONS SET FORTH IN APPENDIX C OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA")

DESIGN CRITERIA
1. FORMAL DESIGN IS NOT REQUIRED, BUT IT IS RECOMMENDED THAT A QUALIFIED ENGINEER BE CONSULTED BEFORE A STRUCTURE OF ANY KIND IS INSTALLED IN A FLOWING STREAM. THE FOLLOWING STANDARDS SHALL BE FOLLOWED: THE DRAINAGE AREA TO THE DAM SHALL NOT EXCEED 50 ACRES.
2. THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS OR EXCEED THE ELEVATION OF THE UPSTREAM PROPERTY LINE.
3. THE CENTER OF THE ROCK DAM SHOULD BE AT LEAST SIX INCHES LOWER THAN THE OUTER EDGES OF THE DAM AT THE CHANNEL BANKS.
4. SIDE SLOPES SHALL BE 2:1 OR FLATTER.
5. THE DAM SHALL BE LOCATED AS CLOSE TO THE SOURCE OF SEDIMENT AS POSSIBLE SO THAT IT WILL NOT CAUSE WATER TO BACK UP ON UPSTREAM ADJACENT PROPERTY.
6. THE STONE SIZE SHALL BE DETERMINED BY THE DESIGN CRITERIA ESTABLISHED IN RIPRAP - APPENDIX C.
7. ROCK DAM CAN BE FACED WITH SMALLER STONE ON THE UPSTREAM SIDE FOR ADDITIONAL FILTERING EFFECT. HOWEVER, THIS MAY MAKE THE DAM MORE PRONE TO CLOGGING.
8. THE WIDTH ACROSS THE TOP OF THE DAM SHOULD BE NO LESS THAN 6 FEET.
9. GEOTEXTILES SHOULD BE USED AS A SEPARATOR BETWEEN THE GRADED STONE, THE SOIL BASE AND ABUTMENTS.
10. THE GEOTEXTILE WILL PREVENT THE MIGRATION OF SOIL PARTICLES FROM THE SUBGRADE INTO THE GRADED STONE.
11. THE GEOTEXTILE SHALL BE SPECIFIED IN ACCORDANCE WITH AASHTO M288-96 SECTION 7.5, PERMANENT EROSION CONTROL RECOMMENDATIONS.
12. THE GEOTEXTILE SHOULD BE PLACED IMMEDIATELY ADJACENT TO THE SUBGRADE WITHOUT ANY VOIDS AND EXTEND FIVE FEET BEYOND THE DOWNSTREAM TOE OF THE DAM TO PREVENT SCOUR.

CONSTRUCTION SPECIFICATIONS
MECHANICAL OR HAND PLACEMENT WILL BE REQUIRED TO INSURE THAT THE ROCK DAM EXTENDS COMPLETELY ACROSS THE CHANNEL AND SECURELY TIES INTO BOTH CHANNEL BANKS. THE CENTER OF THE DAM MUST BE NO LESS THAN SIX INCHES LOWER THAN THE LOWEST SIDE, TO SERVE AS A TYPE OF WEIR. GABIONS CAN BE INSTALLED TO SERVE AS ROCK FILTER DAMS, BUT SHOULD FOLLOW RECOMMENDED SIZING AND INSTALLATION SPECIFICATIONS. REFER TO SPECIFICATION Ga-GABIONS.

MAINTENANCE REQUIREMENTS
ROCK DAMS SHOULD BE REMOVED ONCE DISTURBED AREAS HAVE BEEN STABILIZED. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED. SEDIMENT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF ONE-HALF OF THE ORIGINAL HEIGHT OF THE DAM.

Rd ROCK FILTER DAM

N.T.S.

GSWCC
GEORGIA SOIL AND WATER CONSERVATION COMMISSION

E. Wayne Matthews, Jr.
Level II Certified Design Professional

CERTIFICATION NUMBER 0000035388
ISSUED: 02/06/2010 EXPIRES: 02/06/2025

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417 Selborne Way Suite A Palmetto, Gorgia 30268
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988-22-168

No	REVISION DESCRIPTION	DATE
1	-	-
2	-	-
3	-	-
4	-	-

PROJECT OWNED/DEVELOPED BY:
CITY OF PEACHTREE CORNERS
310 TECHNOLOGY PARKWAY
PEACHTREE CORNERS, GA. 30092
(678) 691-1200

24 HOUR CONTACT INFORMATION
GREG RAMSEY (678) 691-1200

ESCP DETAILS

PEACHTREE CORNERS PUBLIC WORKS FACILITY
PROJECT LOCATED AT:
LL. 284 6TH DISTRICT
CITY OF PEACHTREE CORNERS
GWINNETT COUNTY, GEORGIA

NO. 31277
E. WAYNE MATTHEWS, JR.

ISSUED FOR:
PRELIMINARY

Project No.: 988-22-168
Designed By: JJS
Issue Date: 9/26/23

C6.5.3

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PTC Approved

FILE NAME: I:\CUSTOMERS_PROJECTS\988 City Of Peachtree Corners\988-22-168 Technology Parkway 350\Eng\Construction\988-22-168 C-EROS.dwg PLOT STYLE: SEI-SITE-C.ctb PLOT DATE:9/26/2023 USER:JOHN SKIOTIS