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ryan remillard

FLOODPLAIN NOTE
THERE IS NO FLOODPLAIN ON THIS PROPERTY
FROM A WATER COURSE WITH A DRAINAGE AREA
EXCEEDING 100 ACRES.

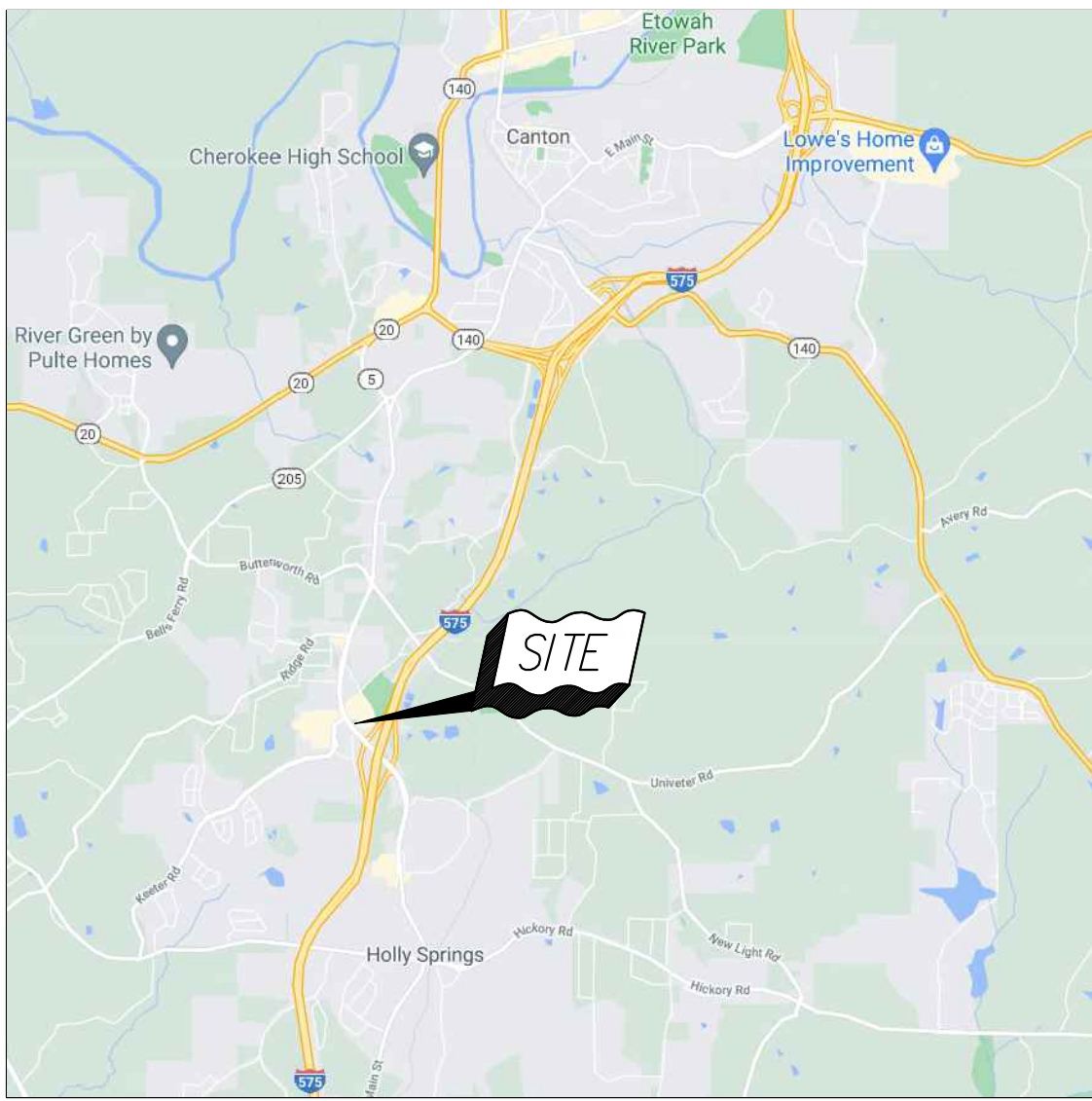
WETLAND NOTE
THERE ARE NO WETLANDS ON THIS SITE.

STORM WATER MANAGEMENT NOTE
STORM WATER MANAGEMENT FOR THIS PROJECT IS PROVIDED ON-SITE.

STATE WATERS BUFFER NOTE
THERE ARE NO STATE WATERS BUFFERS ON OR WITHIN
200 FEET OF THIS PROPERTY.

WETLAND CERTIFICATE
WETLAND CERTIFICATION: THE DESIGN PROFESSIONAL,
WHOSE SEAL APPEARS HEREON, CERTIFIES THE FOLLOWING:
1) THE NATIONAL WETLAND INVENTORY MAPS HAVE BEEN
CONSULTED; AND, 2) THE APPROPRIATE PLAN SHEET
DOES NOT INDICATE AREAS OF U.S. ARMY CORPS OF
ENGINEERS JURISDICTIONAL WETLANDS AS SHOWN ON THE
MAPS; AND 3) IF WETLANDS ARE INDICATED, THE LAND
OWNER OR DEVELOPER HAS BEEN ADVISED THAT LAND
DISTURBANCE OF PROTECTED WETLANDS SHALL NOT
OCCUR UNLESS THE APPROPRIATE FEDERAL WETLANDS
ALTERATION (SECTION 404) PERMIT HAS BEEN OBTAINED.

APPROVAL OF THESE PLANS DOES NOT CONSTITUTE
APPROVAL BY THE CITY OF CANTON OF ANY LAND
DISTURBING ACTIVITIES WITHIN WETLAND AREAS. IT IS THE
RESPONSIBILITY OF THE PROPERTY OWNER TO CONTACT
THE APPROPRIATE REGULATORY AGENCY FOR APPROVAL
OF ANY WETLAND AREA DISTURBANCE



VICINITY MAP
SCALE: N.T.S.



FIRM PANEL MAP : 13057C0234E
SCALE: N.T.S. DATE:06-07-2019

PER THE CITY OF CANTON BOARD OF ZONING APPEALS
AS OF MAY 15, 2018
V1802-005

1. THE REQUIRED 10' LANDSCAPE STRIP HAS BEEN
REDUCED TO 5' ALONG THE SOUTH, WEST AND EAST
PROPERTY LINE
2. THE 15' BUILDING SETBACK HAS BEEN REDUCED TO
14' AT THE NORTHEAST PROPERTY CORNER AND
ALONG THE NORTH PROPERTY LINE.
3. THE REQUIREMENTS FOR PROVIDING SIDEWALK,
STREET LIGHTS AND STREET FURNITURE AS
REQUIRED BY THE OVERLAY ZONE COMMUNITY
STANDARDS ORDINANCE HAS BEEN WAIVED

TOTAL AREA = 1.2 ACRES
DISTURBED AREA = 1.2 ACRES
IMPERVIOUS AREA = 0.75 ACRES

ZONING GC ZONING CASE V1802-005

PROJECT DESCRIPTION
DESCRIBE THE EXISTING SITE CONDITIONS WITH DETAILS OF
ADJACENT AREAS NORTH, SOUTH, EAST AND WEST.
DESCRIBE THE PROPOSED PROJECT WITH LOT COUNTS,
BUILDING SQ FOOTAGES.

GPS LOCATION OF Co:
N 34.191602°
W 84.507598°



4145 SHACKLEFORD ROAD, SUITE 300, NORCROSS, GEORGIA 30093
TEL: (770) 923-1600, FAX: (770) 923-4202
CONTACT: TONY MUSE
HJA PROJECT NO.: 20-011-C



This document is prepared for the exclusive use of CAPITAL GROWTH
BUCHALTER and shall not be relied on by any other person or entity.

SITE DEVELOPMENT PLANS FOR CANTON STARBUCKS AND URGENT CARE

4125 MARIETTA HIGHWAY
CANTON, GA 30114
LAND LOT 160 / 15 DISTRICT / PARCEL ID 15-0160-0006
CITY OF CANTON
COMMERCIAL DEVELOPMENT

24 HOUR CONTACT
FOR EROSION
CONTROL
KIRK FARRELLY
(205) 263-4589

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.

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.

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

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC
PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL
SEDIMENT STORAGE REQUIREMENTS AND PERIMETER
CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION.

ISSUE/REVISION

NO.	DESCRIPTION	DATE
	SUBMITTAL 1	06/03/21
-	RE-SUBMITTAL - ADDRESSED COMMENTS	08/31/21
-		-
-		-
-		-
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-		-
-		-
-		-
-		-
-		-

SITE VISIT CERTIFICATION

I CERTIFY THAT PRIOR TO THE DESIGN OF EROSION
CONTROL PLANS I OR A REPRESENTATIVE UNDER MY
SUPERVISION VISITED THE SITE.

Stephen Mark Bond 06/03/21

S. MARK BOND
GA #23275
LEVEL II CERTIFIED DESIGN PROFESSIONAL
GSWCC #11367

DESIGN PROFESSIONAL 7-DAY VISIT CERTIFICATION

DATE OF INSPECTION _____

I CERTIFY THE SITE WAS IN COMPLIANCE WITH THE ES&PC
PLAN ON THE DATE OF INSPECTION.

GSWCC LEVEL II DESIGN PROFESSIONAL #11367

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

THESE DEFICIENCIES MUST BE ADDRESSED WITHIN 2
WORKING DAYS OF RECEIPT OF DISCREPANCIES AND A
RE-INSPECTION SCHEDULED. WORK SHALL NOT PROCEED ON
THE SITE UNTIL DESIGN PROFESSIONAL CERTIFICATION IS
OBTAINED.

Sheet List Table











































































































































Sheet Number	Sheet Title
C-00	COVER
C-01	GENERAL NOTES AND LEGEND
C-02	SURVEY
C-03	DEMOLITION PLAN
C-04	SITE PLAN
C-05	GRADING PLAN
C-06	UTILITY PLAN
C-07	STORM PROFILES
C-08	SANITARY PROFILES
C-09	TREE REPLACEMENT & LANDSCAPE PLAN
C-10	EROSION CONTROL PHASE 1
C-11	EROSION CONTROL PHASE 2
C-12	EROSION CONTROL PHASE 3
C-13	EROSION CONTROL NOTES
C-14	ES & PC DETAILS 1
C-15	ES & PC DETAILS 2
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C-18	CONSTRUCTION DETAILS
C-19	STORM DETAILS
C-20	POND DETAILS
C-21	SANITARY DETAILS
C-22	LIFT STATION NOTES & DETAILS
C-23	TREE DETAILS

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PROPOSED	DESCRIPTION	EXISTING
	DOUBLE WING CATCH BASIN	
	SINGLE WING CATCH BASIN	
	HOODED CATCH BASIN	
	GRATE INLET / DROP INLET	
	FLARED END SECTION	
	HEADWALL	
	OUTLET CONTROL STRUCTURE	
	SANITARY SEWER MANHOLE	
	STORM SEWER MANHOLE	
	WEIR INLET	
	YARD INLET	
	DIRECTIONAL ARROWS (FOR INFORMATION ONLY TO INDICATE TRAFFIC FLOW)	
	DIRECTIONAL ARROWS ON PAVEMENT	
	CLEANOUT	
	ELECTRIC MANHOLE	
	ELECTRIC BOX	
	CABLE TV BOX	
	TELEPHONE MANHOLE	
	LIGHT POLE	
	POWER POLE	
	POWER POLE WITH LIGHT	
	POWER POLE WITH GUY WIRE	
	POWER LINE	
	TELEPHONE LINE	
	CABLE TELEVISION LINE	
	NATURAL GAS LINE	
	VALVE	
	WATER LINE (POTABLE)	
	WATER LINE (NON-POTABLE)	
	REUSE WATER LINE	
	METER	
	WATER PIPE REDUCER	
	FIRE HYDRANT	
	PLUGGED STUB	
	WELL	
	MONITORING WELL	
	AIR VENT	
	SANITARY SEWER PIPE	
	SANITARY SEWER FORCEMAIN	
	STORM DRAINAGE PIPE	
	PROPERTY LINE	
	PARCEL LINE	
	RIGHT OF WAY LINE	
	SETBACK LINE	
	CREEK	
	ACCESS EASEMENT	
	FENCE	
	CONTOUR LINE WITH ELEVATION	
	SPOT ELEVATION	
	FLOW ARROW	
	TREE LINE	
	SIGNIFICANT TREES	
	GUARD RAIL	
	LOT NUMBER	
	PARCEL NUMBER	
	NUMBER OF PARKING SPACE NUMBER	
	SIGN w/POST	
	DOUBLE SIGN w/POST	
	BOLLARD	
	HANDICAP PARKING	
	SATELLITE DISH	
	ROCK BORE LOCATION	
	PROPERTY CORNER	
	GIS BENCHMARK	
	TRAVERSE POINT	
	IRON PIN FOUND	
	WETLAND AREA	
	LAND LOT LINE	
	LAND LOT NUMBER	

GENERAL CONSTRUCTION NOTES

- ALL CONSTRUCTION SHALL CONFORM TO BOTH PLANS AND SPECIFICATIONS FOR THIS PROJECT. ALL ITEMS NECESSARY FOR A COMPLETE AND WORKABLE JOB SHALL BE FURNISHED AND INSTALLED.
- ALL DIMENSIONS ARE TO FACE OF CURB, FACE OF BUILDING, CENTER OF COLUMN, EDGE OF PAVEMENT, CENTERLINE OF PIPE, OR CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
- EQUIPMENT AND MATERIALS SHALL BE STORED IN AREAS DESIGNATED BY THE OWNER. CONSTRUCTION AND STORAGE AREAS SHALL BE KEPT NEAT AND CLEAN. TREE SAVE AREAS SHALL NOT BE USED FOR STORAGE OR PARKING.
- THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF ALL TIE-IN POINTS FOR THE INSTALLATION OF UTILITIES, CURB & GUTTER, AND PAVEMENT PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY IF DIFFERENT THAN AS SHOWN ON PLANS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS IMMEDIATELY UPON DISCOVERY.
- ALL WORK WILL COMPLY WITH APPLICABLE STATE AND LOCAL CODES, SPECIFICATIONS AND REQUIREMENTS. ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE. CONTRACTOR SHALL VERIFY THAT ALL NECESSARY PERMITS AND APPROVALS ARE OBTAINED PRIOR TO CONSTRUCTION.
- DEVIATIONS FROM THESE PLANS, NOTES AND SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE OWNER, HIS REPRESENTATIVE OR THE ENGINEER MAY RESULT IN THE WORK BEING UNACCEPTABLE BY THE OWNER, AND REDONE TO MEET THE PLANS, NOTES AND SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL SITE SAFETY AS WELL AS THE WAYS, MEANS AND METHODS OF CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE CONSTRUCTION TRAFFIC AND GENERAL PUBLIC TRAFFIC ROUTING WITH OWNER AND APPROPRIATE REGULATING AGENCY PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL NOT WILLINGLY PROCEED WITH CONSTRUCTION IN A PARTICULAR AREA WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTION AND/OR DIFFERENCES FROM EXISTING CONDITIONS THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- CITY/COUNTY/STATE INSPECTORS MAY REQUIRE CHANGES TO THE DRAWINGS AND/OR SPECIFICATIONS BASED ON THEIR INSPECTION. CONTRACTOR SHALL BRING ANY REQUIRED CHANGES TO THE ENGINEER'S ATTENTION IMMEDIATELY.
- THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
- ALL MATERIAL SHALL BE NEW- NO USED OR SALVAGED MATERIALS.
- ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED WITH FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE ACTIVITIES.
- LANDSCAPING IS A HIGH PRIORITY. PROPER PROTECTION OF EXISTING LANDSCAPING, FENCES, PROPERTY CORNERS AND/OR D.O.T. CONCRETE RIGHT-OF-WAY MONUMENTS SHALL BE PROVIDED. WHERE DAMAGE OCCURS, REPLACEMENT TO EXISTING CONDITION IS REQUIRED. ALL LANDSCAPING REPLACEMENT IS SUBJECT TO APPROVAL FROM FORSYTH COUNTY AND THE ENGINEER.
- CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER OF ANY DISCREPANCIES OR ERRORS HE DISCOVERS IN THE PLANS.
- CONTRACTOR SHALL PROVIDE RECORD DRAWINGS AS REQUIRED IN THE GENERAL CONDITIONS.
- THIS PLAT IS NOT FOR RECORDING.
- UTILITY LOCATIONS ARE SHOWN TO THE BEST KNOWLEDGE OF THE ENGINEER. CONTRACTOR IS SOLELY RESPONSIBLE FOR FIELD VERIFICATION OF ALL UTILITIES AND WILL NOT BE ENTITLED TO ANY EXTRA COMPENSATION ON ACCOUNT OF INACCURACY OR INCOMPLETENESS OF SUCH INFORMATION.
- MAXIMUM CUT OF FILL SLOPES ARE 2 HORIZONTAL TO 1 VERTICAL.
- UTILITY COORDINATION SHALL BE INCLUDED IN THE PROJECT SCHEDULE AND IS THE EXPLICIT RESPONSIBILITY OF THE CONTRACTOR TO ASSURE THAT THE PROJECT SCHEDULE INCLUDES THE NECESSARY RELOCATIONS. THE CONTRACTOR WILL NOT BE PAID ADDITIONALLY FOR THIS COORDINATION. THE CONTRACTOR SHOULD SEEK ASSISTANCE FROM ALL UTILITY COMPANIES TO LOCATE AND PROTECT THEIR FACILITIES.
- CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES AND PRECAUTIONS TO ASSURE THAT EXISTING SEWER LINES, FORCE MAIN LINES, AND WATER LINES REMAIN FUNCTIONAL AND UNDISTURBED.
- ALL WORK SHALL BE PERFORMED AND FINISHED IN A WORKMANLIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER AND IN ACCORDANCE WITH THE BEST RECOGNIZED TRADE PRACTICES.
- CONTRACTOR IS RESPONSIBLE FOR ADDITIONAL STAGING AND/OR STORAGE REQUIRED OUTSIDE OF THE EASEMENTS PROVIDED BY OWNER. CONTRACTOR TO ALSO LOCATE STAGING AREAS AND EQUIPMENT MAINTENANCE AREAS (PARTICULARLY FOR OIL CHANGES) AT LEAST 200 FEET FROM STREAM BANKS TO MINIMIZE THE POTENTIAL FOR WASH WATER, PETROLEUM PRODUCTS, OR OTHER CONTAMINANTS FROM CONSTRUCTION EQUIPMENT ENTERING THE STREAMS.
- A GEOTECHNICAL REPORT ENTITLED "REPORT OF GEOTECHNICAL EXPLORATION," BY CONTOUR ENGINEERING, DATED 4-13-2021 WAS PREPARED. THE CONTRACTOR MUST FAMILIARIZE HIMSELF WITH THIS REPORT AND FOLLOW ALL RECOMMENDATIONS MADE IN SAID REPORT.

SITE CLEARING & SITE DEMOLITION NOTES

- CONTRACTOR SHALL CLEARLY MARK AND MAINTAIN PROPERTY CORNER MONUMENTS AND BENCHMARKS AND WILL BE RESPONSIBLE FOR THE COST OF REPLACING THEM IF DISTURBED OR DESTROYED.
- THE CONTRACTOR SHALL HAVE THE LIMITS OF CLEARING AND DEMOLITION AND ALL BUFFERS STAKED WITH FLAGGING STRUNG BETWEEN ANGLE POINTS TO ENSURE THE PROPER LOCATION OF THE TREE SAVE FENCE AND PROPOSED IMPROVEMENTS PRIOR TO CLEARING AND DEMOLITION.
- CONTRACTOR SHALL PROTECT ALL ADJACENT LANDS FROM DAMAGE DURING CLEARING & DEMOLITION WORK. ANY OFF-SITE AREAS DISTURBED SHALL BE RETURNED TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- NO CLEARING OR DEMOLITION MATERIALS SHALL BE DISPOSED OF ON-SITE. ALL DEBRIS SHALL BE HAULED OFF-SITE TO DISPOSAL AREAS APPROVED BY THE STATE OF GEORGIA FOR THE HANDLING OF CLEARING & DEMOLITION MATERIALS.
- ALL VEGETATION (UNLESS OTHERWISE NOTED), ROOT SYSTEMS, TOPSOIL, REFUSE, OTHER DELETERIOUS MATERIAL, EXISTING PAVEMENTS, CURBS, ORGANICS AND UNSUITABLE BEARING SOILS SHALL BE STRIPPED FROM THE SURFACE WITHIN THE CONSTRUCTION LIMITS AND DISPOSED OF OFFSITE TO A DISPOSAL AREA APPROVED BY THE STATE OF GEORGIA FOR THE HANDLING OF CLEARING & DEMOLITION MATERIALS.
- CLEAN TOP SOIL MAY BE STOCKPILED IN AN AREA APPROVED BY THE ENGINEER AND REUSED LATER IN THE TOP 4" OF LANDSCAPED AREAS ONLY. EXCESS TOPSOIL SHALL BE DISPOSED OF OFFSITE.
- ALL STRUCTURES NOT IDENTIFIED FOR DEMOLITION SHALL BE PROTECTED FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION. ANY STRUCTURES THAT ARE TO REMAIN THAT ARE DAMAGED SHALL BE REPAIRED BY THE CONTRACTOR TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- CONSTRUCTION ENTRANCE, SILT FENCE AND ANY OTHER REQUIRED EROSION CONTROL DEVICE SHALL BE IN PLACE PRIOR TO CLEARING & DEMOLITION OPERATIONS.
- DISCONNECT AND SEAL OFF ABANDONED UTILITIES AND UTILITIES TO BE REMOVED PRIOR TO START OF DEMOLITION. UTILITIES SHALL BE DISCONNECTED BELOW EXISTING GRADE OR OUTSIDE OF CONTRACT LIMITS BY THE APPLICABLE UTILITY OWNER. ALL COSTS FOR THIS WORK SHALL BE BORNE BY THE CONTRACTOR.
- ALL STRUCTURES TO BE DEMOLISHED SHALL BE COMPLETELY REMOVED ABOVE AND BELOW GRADE. ABANDONED SERVICE LINES TO THE STRUCTURES SHALL ALSO BE REMOVED.
- CONTRACTOR TO PROVIDE ALL NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL MEASURES AS MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC THROUGHOUT CLEARING, DEMOLITION AND CONSTRUCTION IN COMPLIANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" CURRENT EDITION, THE GEORGIA D.O.T. SPECIFICATIONS SECTION 150 AND ANY RULES AND REGULATIONS OF THE LOCAL AUTHORITY HAVING JURISDICTION OVER THIS PROJECT.
- THE EXISTING TREES SHOWN ON THESE PLANS MAY ONLY BE THE MINIMAL AMOUNT SURVEYED AS REQUIRED FOR PERMITTING. THE SITE MAY HAVE ADDITIONAL TREES BEYOND THAT WHICH IS SHOWN. THE CONTRACTOR SHALL VISIT THE SITE BEFORE MAKING HIS BID TO INVESTIGATE THE AMOUNT OF EXISTING TREES THAT WILL NEED TO BE REMOVED WITHIN THE LIMITS OF CLEARING.

REFERENCES

- TOPOGRAPHIC INFORMATION BASED ON A TOPOGRAPHIC SURVEY FOR CANTON (HOLLY SPRINGS) SR COP, LLC, M1 BANK FIDELITY NATIONAL TITLE INSURANCE COMPANY, DATED 03-13-2021 AND PREPARED BY GEOSURVEY, 1660 BARNES MILL ROAD, MARIETTA, GA 30062, (770) 795-9900.
- BOUNDARY INFORMATION BASED ON A ALTA/ACSM SURVEY FOR CANTON (HOLLY SPRINGS) SR COP, LLC, M1 BANK FIDELITY NATIONAL TITLE INSURANCE COMPANY, DATED 03-13-2021 AND PREPARED BY GEOSURVEY, 1660 BARNES MILL ROAD, MARIETTA, GA 30062, (770) 795-9900.
- THE SURVEY INDICATES THAT THIS PROPERTY DOES NOT LIE WITHIN A FLOOD HAZARD ZONE. Y AS IDENTIFIED ON A F.I.R.M. COMMUNITY PANEL NO. 1305702324E DATED 06-07-2019 AS PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY - FEDERAL HAZARD INSURANCE ADMINISTRATION.
- THIS SITE DOES NOT CONTAIN WETLANDS.
- LAKE DOES NOT EXIST WITHIN 500' OF THE SITE.
- BOUNDARY INFORMATION BASED ON CHEROKEE COUNTY TAX RECORDS.

UTILITY NOTES

- ALL IMPROVEMENTS TO CONFORM WITH CHEROKEE COUNTY CONSTRUCTION STANDARDS AND SPECIFICATIONS. (LATEST EDITION). THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE APPLICABLE UTILITY AND OBTAINING THE APPLICABLE SPECIFICATIONS.
- CONTRACTOR TO NOTIFY CHEROKEE COUNTY INSPECTOR DEPARTMENT 24 HOURS PRIOR TO BEGINNING EVERY PHASE OF CONSTRUCTION.
- ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL, AND LOCAL CODES AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER.
- ALL WORK PERFORMED ON COUNTY RIGHT-OF-WAYS SHALL BE IN STRICT CONFORMANCE WITH APPLICABLE CHEROKEE COUNTY STANDARDS & SPECIFICATIONS.
- ANY WORK IMPACTING TRAFFIC FLOW OR SAFETY SHALL BE DONE IN ACCORDANCE WITH AND APPROVED BY CHEROKEE COUNTY ENGINEERING DEPARTMENT AND GEORGIA D.O.T.
- ALL MATERIAL SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE APPROVED BY THE OWNER IN WRITING.
- RIP-RAP SHALL BE PLACED AT ALL STORM DRAIN HEADWALLS AND CONSIST OF 50 POUND STONES.
- ALL DISTURBED AREAS TO BE RETURNED TO EXISTING GRADE AS SOON AS CONSTRUCTION PHASES PERMIT.
- THERE WILL BE NO DISPOSAL OF DEBRIS ONSITE. ALL CONSTRUCTION DEBRIS SHALL BE REMOVED AND DISPOSED OF PROPERLY BY THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF ALL INFRASTRUCTURE FOR A ONE YEAR PERIOD FOLLOWING FINAL ACCEPTANCE OF THE PROJECT BY CHEROKEE COUNTY.
- CONTRACTOR TO NOTIFY UTILITY PROTECTION AGENCY 72 HOURS PRIOR TO START OF WORK. PHONE: 811
- ALL PERMANENT SANITARY SEWER EASEMENTS SHOULD BE DRIVABLE WITH NO CROSS SLOPES OVER 14%.
- CONSTRUCTION DEBRIS, LIQUID CONCRETE, OLD RIP-RAP, OLD SUPPORT MATERIALS, AND OTHER LITTER IN STREAMS OR IN AREAS OF POTENTIAL MIGRATION INTO THE STREAM IS PROHIBITED.
- NO BURY PITS ALLOWED WITHIN SANITARY SEWER EASEMENTS.
- NO FENCES, STRUCTURES, OR OTHER OBSTRUCTIONS ALLOWED WITHIN SANITARY SEWER EASEMENTS UNLESS OTHERWISE SHOWN IN DRAWINGS
- LIMITS OF CLEARING SHALL BE WITHIN THE TEMPORARY CONSTRUCTION EASEMENTS DELINEATED ON THESE PLANS.
- ALL MANHOLES SHALL USE CAST IN BOLT DOWN RING, COVER AND GASKET.
- THE ONLY MATERIAL TO BE BURIED ON-SITE IS VEGETATIVE MATERIAL, PROVIDED IT IS NOT BURIED WITHIN 100' OF ANY PROPERTY LINE OR ENCLOSED STRUCTURE. CONSTRUCTION WASTE MAY NEITHER BE BURNED NOR BURIED AND MUST BE TAKEN TO STATE APPROVED LANDFILL.
- ALL PIPE BEDDING SHALL BE TYPE III UNLESS OTHERWISE NOTED IN THE DRAWING.
- CHEROKEE COUNTY MAY HAVE AN APPROVED CONTRACTOR LIST FOR INSTALLATION AND/OR MANUFACTURER OF UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE COUNTY TO OBTAIN THE APPLICABLE LIST.



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Revision	Date	By	App.	Description
No.				

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Project Title

**CANTON STARBUCKS AND
URGENT CARE**

Project Location

Address 4125 MARIETTA HIGHWAY
City, State Zip CANTON, GA 30114
Land Lot 160
District-Section 15
County CHEROKEE

Project No. 20-011-c
Drawn By: RAR
Checked By: SMB
Initial Issue Date: 06-03-2021

Sheet Title

**GENERAL NOTES AND
LEGEND**

Sheet Number

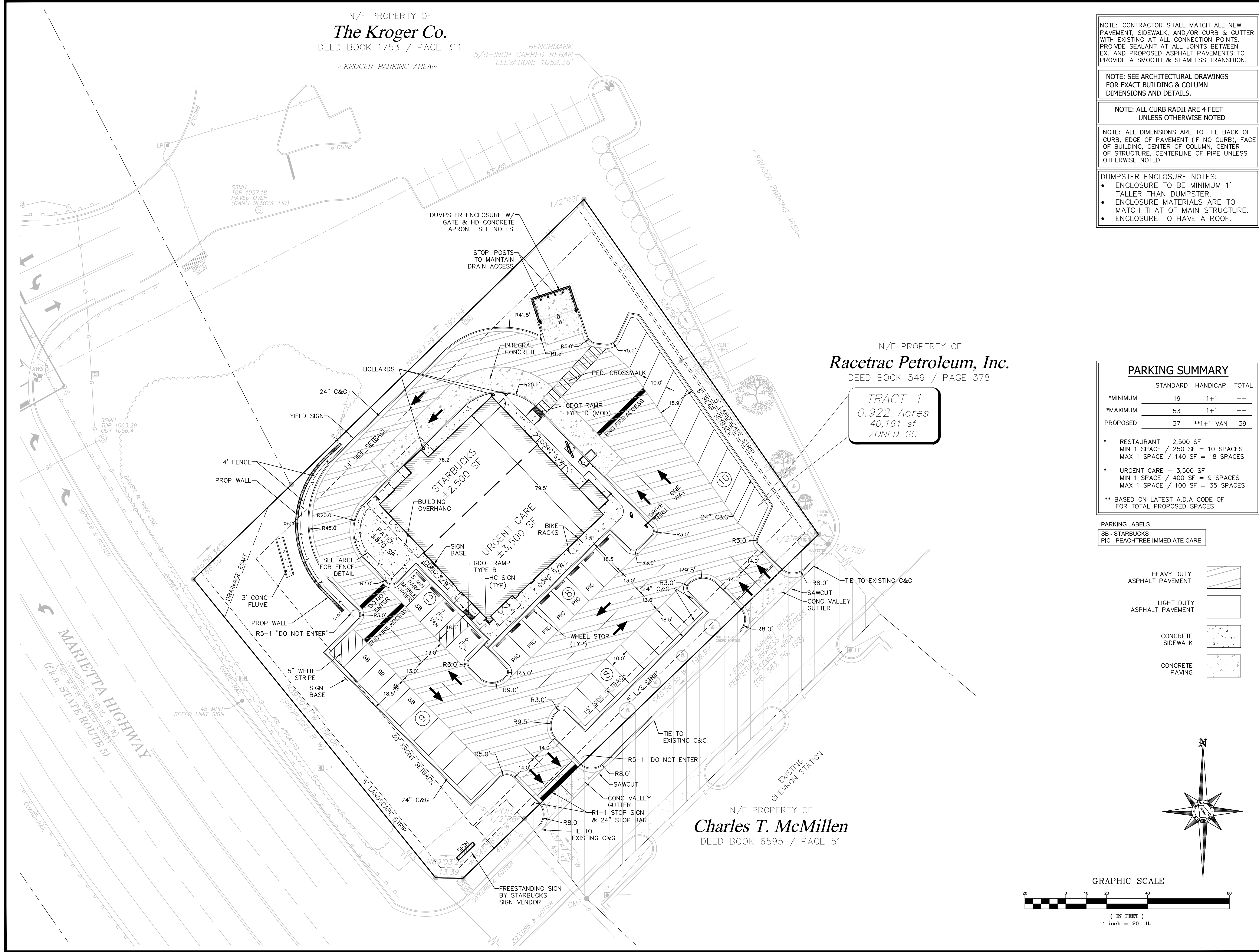
C-01



Know what's below.
Call before you dig.

NOTE:
1. NOTIFY XXXXXX COUNTY INSPECTOR 24 HOURS BEFORE THE BEGINNING PHASE OF CONSTRUCTION. (XXX) XXX-XXXX

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ryan remillard



NOTE: CONTRACTOR SHALL MATCH ALL NEW PAVEMENT, SIDEWALK, AND/OR CURB & GUTTER WITH EXISTING AT ALL CONNECTION POINTS. PROVIDE SEALANT AT ALL JOINTS BETWEEN EX. AND PROPOSED ASPHALT PAVEMENTS TO PROVIDE A SMOOTH & SEAMLESS TRANSITION.

NOTE: SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING & COLUMN DIMENSIONS AND DETAILS.

NOTE: ALL CURB RADII ARE 4 FEET UNLESS OTHERWISE NOTED

NOTE: ALL DIMENSIONS ARE TO THE BACK OF CURB, EDGE OF PAVEMENT (IF NO CURB), FACE OF BUILDING, CENTER OF COLUMN, CENTER OF STRUCTURE, CENTERLINE OF PIPE UNLESS OTHERWISE NOTED.

DUMPSTER ENCLOSURE NOTES:

- ENCLOSURE TO BE MINIMUM 1' TALLER THAN DUMPSTER.
- ENCLOSURE MATERIALS ARE TO MATCH THAT OF MAIN STRUCTURE.
- ENCLOSURE TO HAVE A ROOF.

N/F PROPERTY OF
Racetrac Petroleum, Inc.
DEED BOOK 549 / PAGE 378

TRACT 1
0.922 Acres
40,161 sf
ZONED GC

PARKING SUMMARY			
	STANDARD	HANDICAP	TOTAL
*MINIMUM	19	1+1	--
*MAXIMUM	53	1+1	--
PROPOSED	37	**1+1 VAN	39

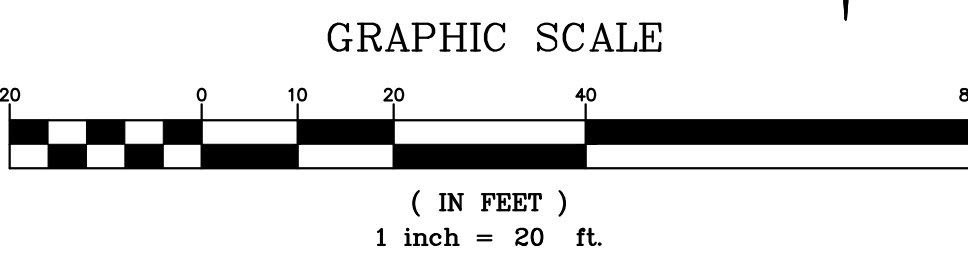
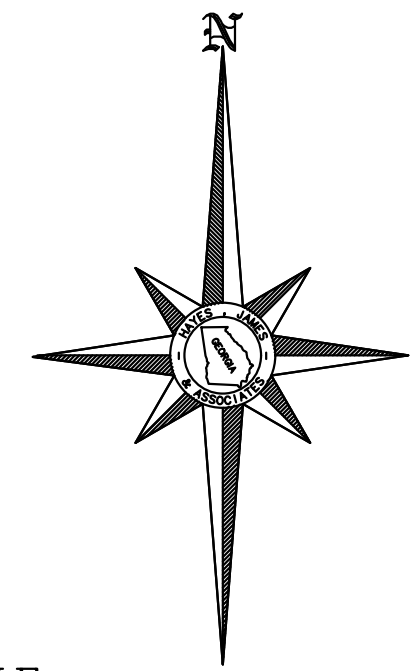
* RESTAURANT - 2,500 SF
MIN 1 SPACE / 250 SF = 10 SPACES
MAX 1 SPACE / 140 SF = 18 SPACES

* URGENT CARE - 3,500 SF
MIN 1 SPACE / 400 SF = 9 SPACES
MAX 1 SPACE / 100 SF = 35 SPACES

** BASED ON LATEST A.D.A CODE OF FOR TOTAL PROPOSED SPACES

PARKING LABELS
SB - STARBUCKS
PIC - PEACHTREE IMMEDIATE CARE

- HEAVY DUTY ASPHALT PAVEMENT
- LIGHT DUTY ASPHALT PAVEMENT
- CONCRETE SIDEWALK
- CONCRETE PAVING



Hayes James

ENGINEERS, PLANNERS & SURVEYORS

4145 SHACKLEFORD ROAD
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NORCROSS, GEORGIA 30093
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Project Title
CANTON STARBUCKS AND URGENT CARE

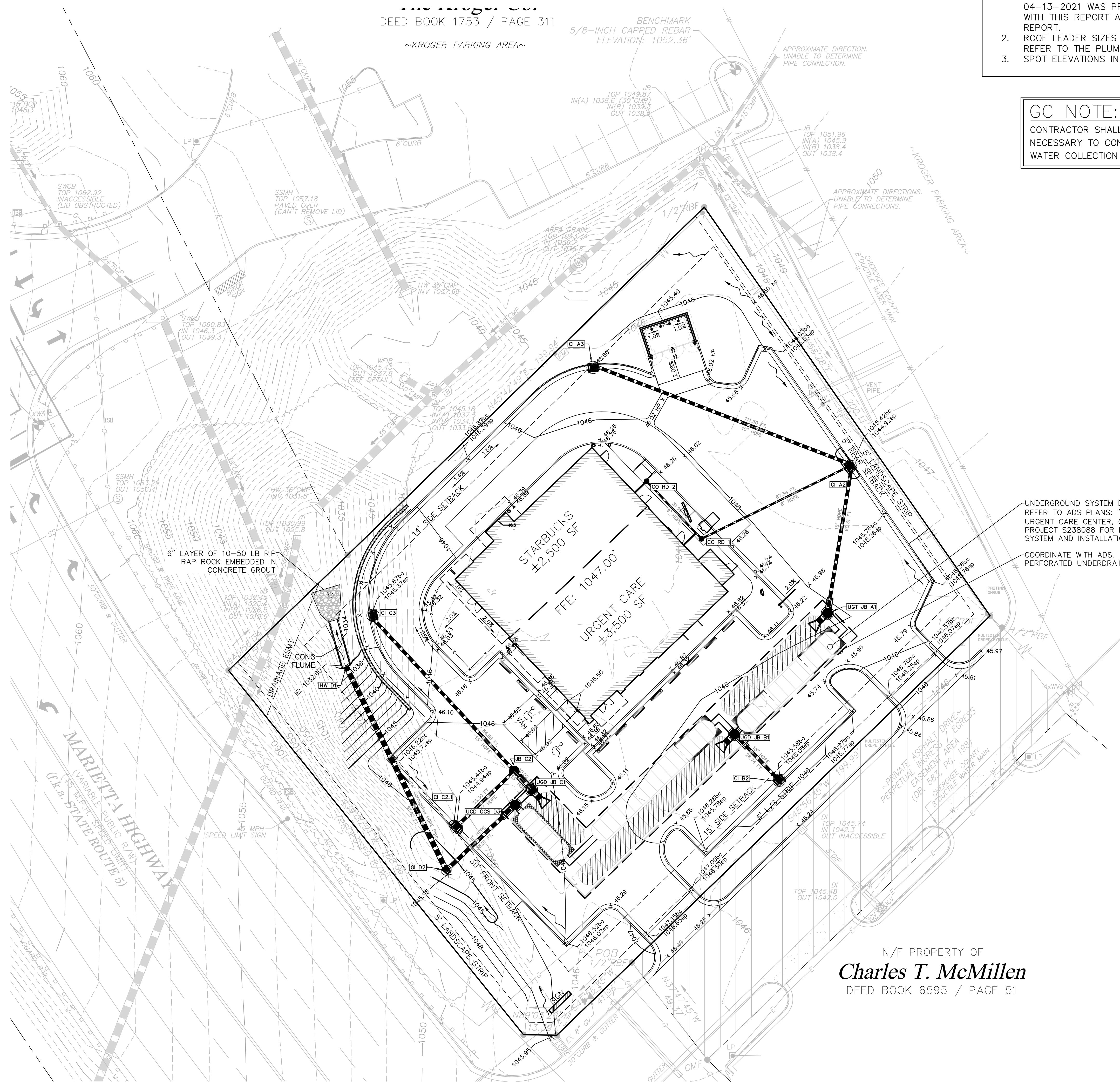
Project Location
Address 4125 MARIETTA HIGHWAY
City, State Zip CANTON, GA 30114
Land Lot 160
District-Section 15
County CHEROKEE

Project No. 20-011-c
Drawn By: RAR
Checked By: SMB
Initial Issue Date: 06-03-2021

Sheet Title
SITE PLAN

Sheet Number
C-04

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GENERAL GRADING NOTES

1. A GEOTECHNICAL REPORT ENTITLED "REPORT OF GEOTECHNICAL EXPLORATION - STARBUCKS AND URGENT CARE", BY CONTOUR ENGINEERING, DATED 04-13-2021 WAS PREPARED. THE CONTRACTOR MUST FAMILIARIZE HIMSELF WITH THIS REPORT AND FOLLOW ALL RECOMMENDATIONS MADE IN SAID REPORT.
2. ROOF LEADER SIZES AND LOCATIONS SHOWN ARE FOR REFERENCE ONLY. REFER TO THE PLUMBING PLANS FOR CURRENT SIZES AND LOCATIONS.
3. SPOT ELEVATIONS IN PAVED AREAS ARE SHOWN AT EDGE OF PAVEMENT

GC NOTE:

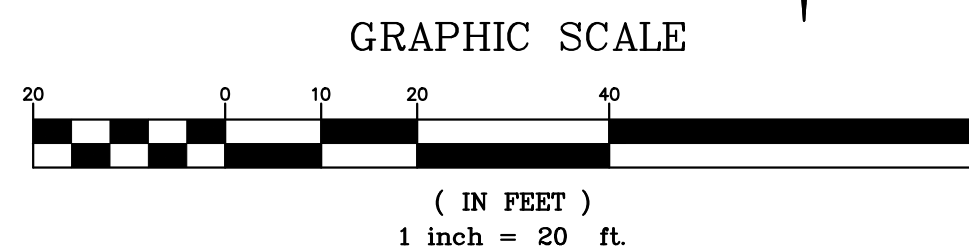
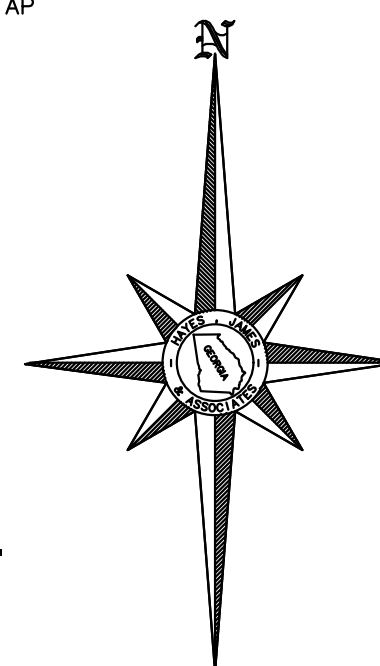
CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND LABOR NECESSARY TO CONNECT BUILDING DOWNSPOUTS TO SITE STORM WATER COLLECTION SYSTEM.

DETENTION NOTE

CONTRACTOR TO PROVIDE HAYES, JAMES WITH A SHOP DRAWING SUBMITTAL OF THE SELECTED UNDERGROUND DETENTION SYSTEM. SHOP DRAWING SHALL INCLUDE A LAYOUT AND DESIGN OF THE ENTIRE SYSTEM STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA AND MUST BE APPROVED PRIOR TO ORDERING MATERIAL.

STORM DRAINAGE LEGEND

- DI = GRATE INLET WELDED TO FRAME EJ4280 OR EQUAL
- CI = (GRATE W/ HOOD) = DOT STD 1019A TYPE E OR 1019B TYPE V-1
- CO-STORM = ADS DRAIN BASIN
- JB-DOT MANHOLE STD 1011A OR 1011AP
- PROPOSED STORM PIPE



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REVISION	Description	By	App.	Date
No.				

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Project Title

CANTON STARBUCKS AND URGENT CARE

Project Location

Address 4125 MARIETTA HIGHWAY
City, State Zip CANTON, GA 30114
Land Lot 160
District-Section 15
County CHEROKEE

Project No. 20-011-c
Drawn By: RAR
Checked By: SMB
Initial Issue Date: 06-03-2021

Sheet Title

GRADING PLAN

Sheet Number

C-05

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Project Location

Address 4125 MARIETTA HIGHWAY
City, State Zip CANTON, GA 30114
Land Lot 160
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Initial Issue Date:	06-03-2021

Sheet Title

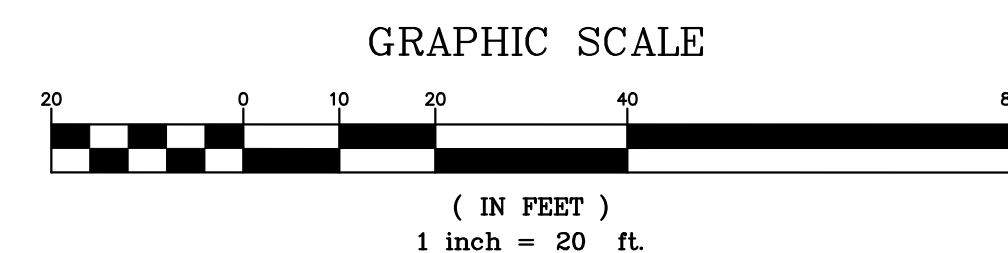
Sheet Number

ryan remillard



Line No.	Dn Strm Line No.	Line ID	Line Size	Line Length	Invert Dn	Invert Up	Line Slope	**Gutter Spread	Runoff Coeff	Drainage Area	Total Area	Known Q	Total Runoff	Capacity Full	Vel Dn	HGL Dn	HGL Up	Junct Type	Pipe Depth	Inlet Depth	Inlet ID
			(in)	(ft)	(ft)	(ft)	(%)	(ft)	(C)	(ac)	(ac)	(cfs)	(cfs)	(cfs)	(ft/s)	(ft)	(ft)		(ft)	(ft)	
1	Outfall	A2-A1	15	60.31	1038.41	1039.62	2.01	1.58	0.95	0.29	0.49	0	3.23	9.15	2.64	1039.66	1040.34	Comb.	1.25	0.34	A2
2	1	RD1-A2	8	67.34	1040.20	1042.82	3.89	....	0.95	0.07	0.14	0	1.09	2.38	6.66	1040.56	1042.35	Roof Drain	0.32	0.30	RD 1
3	2	RD2-RD1	8	31.92	1042.82	1044.07	3.92	....	0.95	0.07	0.07	0	0.55	2.39	1.98	1042.35	1044.42	Roof Drain	0.49	0.30	RD 2
4	1	A3-A2	15	111.50	1039.62	1041.85	2.00	1.51	0.95	0.06	0.06	0	0.47	9.13	0.64	1040.34	1042.12	Comb.	0.72	0.16	A3
5	Outfall	C2-C1	15	10.02	1039.98	1040.13	1.50	....	0	0	0.27	0	1.95	7.90	1.59	1041.48	1041.49	MH	1.25	....	C2
6	5	C2-C1	15	33.30	1040.87	1041.52	1.95	1.55	0.95	0.17	0.17	0	1.34	9.02	3.85	1041.53	1041.98	Comb.	0.41	0.26	C2.1
7	5	C3-C2	15	84.88	1040.13	1041.40	1.50	1.53	0.95	0.1	0.1	0	0.79	7.90	0.67	1041.53	1041.75	Comb.	1.15	0.20	C3
8	Outfall	B2-B1	15	26.74	1040.47	1041.00	1.98	1.58	0.95	0.23	0.23	0	1.81	9.09	1.47	1041.72	1041.69	Comb.	1.25	0.30	B2
9	Outfall	D2-D1	24	91.03	1032.60	1033.62	1.12	2.06	0.75	0.92	0.92	0	5.58	23.94	2.41	1034.76	1034.77	Dp-Grate	2.00	0.35	D2
10	9	D3-D2	15	38.01	1034.12	1034.50	1.00	....	0	0	0	2	0.00	10.50	1.54	1035.02	1035.06	MH	1.04	....	D3

**DENOTES 10 YEAR EVENT



THIS SHEET IS FOR TREE PROTECTION &
TREE REPLACEMENT PURPOSES ONLY.

THIS SITE IS LOCATED WITHIN THE STATE ROUTE 5 OVERLAY ZONE. VARIANCE V1802-005 REDUCES THE 10' LANDSCAPE STRIP TO 5' AS SHOWN ON THIS PLAN. SIDEWALK, STREETLIGHT AND STREET FURNITURE REQUIREMENTS HAVE BEEN WAIVED ALONG HWY 5 (aka MARIETTA STREET).

THIS SITE IS LOCATED WITHIN THE STATE ROUTE 5 OVERLAY ZONE. VARIANCE V1802-005 REDUCES THE 10' LANDSCAPE STRIP TO 5' AS SHOWN ON THIS PLAN. SIDEWALK, STREETLIGHT AND STREET FURNITURE REQUIREMENTS HAVE BEEN WAIVED ALONG HWY 5 (aka MARIETTA STREET).

SITE NOTES

1. THIS SITE WAS PREVIOUSLY DISTURBED. PROPOSED USE IS ONE 6000SF BUILDING TO HOUSE A STARBUCKS AND AN URGENT CARE.
2. SITE = 0.922 ACRES
3. PARKING SPACES = 39
4. THERE ARE NO SPECIMEN TREES ON THIS SITE.
5. OVERLAY ZONE CALCULATIONS HAVE BEEN WAIVED BY REZONING CONDITIONS V1802-005.
6. PER TABLE 103-11 BUFFER TYPES BY ZONING, THERE ARE NO BUFFERS ON THIS SITE. ALL ADJACENT LAND IS ZONED THE SAME AS SITE (GC)

OWNER:
CAPITAL GROWTH BUCHALTER
361 SUMMIT BLVD, STE 110
BIRMINGHAM, AL 35243
CONTACT: KIRK FARRELLY 205-263-4589

ENGINEER/APPLICANT:
HAYES, JAMES & ASSOCIATES, INC.
4145 SHACKLEFORD ROAD, STE 300
NORCROSS, GA 30093
CONTACT: RYAN REMILLARD/
MARK BOND 770-923-1600

ENGINEER/APPLICANT:
HAYES, JAMES & ASSOCIATES, INC.
4145 SHACKLEFORD ROAD, STE 300
NORCROSS, GA 30093
CONTACT: RYAN REMILLARD/
MARK BOND 770-923-1600

TOTAL DU PROVIDED = 16.4

1. CONTACT THE DEPARTMENT OF PUBLIC WORKS TO ARRANGE A SITE INSPECTION PRIOR TO ANY LAND DISTURBANCE.
2. ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.
3. UNDISTURBED BUFFERS SHALL BE REPLANTED TO BUFFER STANDARDS WHERE SPARSELY VEGETATED OR WHERE DISTURBED AT APPROVED UTILITY CROSSINGS.
4. ALL LANDSCAPING SHALL BE IN PLACE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY FOR THE FINAL PHASE OF DEVELOPMENT, OR RECORDING OF THE FINAL PLAT.
5. CONTACT THE DEPT. OF PUBLIC WORKS FOR SITE INSPECTION UPON COMPLETION OF LANDSCAPE INSTALLATION.
6. ALL CLEARING LIMITS TO BE FLAGGED IN FIELD PRIOR TO CLEARING
7. NO BURN OR BURY PITS SHALL BE ALLOWED, UNLESS LOCATION PREVIOUSLY APPROVED BY THE ENGINEER AND THE INSPECTOR.
8. TREE TAPE SHALL BE PLACED AS SHOWN TO INDICATE AREAS OF TREE PROTECTION WHERE EXISTING TREES MAY POTENTIALLY BE SAVED. REVEGETATION SHALL OCCUR IN THESE AREAS ALSO TO ACHIEVE BUFFER STANDARDS IN SPARSELY VEGETATED AREAS. REPLANTINGS ARE SUBJECT TO COUNTY ARBORIST APPROVAL.
9. ADDITIONAL TREE TAPE AND/OR TREE FENCE TO BE PLACED AS NECESSARY, AS DIRECTED BY THE ENGINEER AND/OR ARBORIST.

1. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANIES TO HAVE THE LOCATIONS OF THEIR UNDERGROUND UTILITIES MARKED PRIOR TO BEGINNING WORK. CAUTION SHALL BE EXERCISED TO AVOID INTERFERENCE. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ALL EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.
2. FINAL LOCATION OF ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE. AFTER FLAGGING PLANT LOCATIONS AND PRIOR TO INSTALLATION, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FOR INSPECTION.
3. ALL PLANT MATERIAL SHALL CONFORM WITH THE LATEST EDITION OF "AMERICAN STANDARDS FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMAN, INC. ALL PLANT MATERIAL SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE FEDERAL, STATE AND COUNTY LAWS REQUIRING INSPECTION FOR DISEASE AND INSECT CONTROL. BOTANICAL NAMES SHALL TAKE PRECEDENCE OVER COMMON NAMES.
4. THE CONTRACTOR SHALL REMOVE ALL DEAD WOOD, SUCKERS, AND ALL BROKEN OR DAMAGED BRANCHES IN ACCORDANCE WITH THE AANS (AMERICAN ASSOCIATION OF NURSERYMAN STANDARDS) IN ORDER TO PRESERVE THE NATURAL CHARACTER OF THE TREE.
5. PLANT QUALITY: ALL PLANTS SHALL BE SOUND, FREE OF DISEASE OR PESTS AND SHALL HAVE A HEALTHY NORMAL ROOT SYSTEM.
6. NO SUBSTITUTION OF PLANT SPECIES OR VARIETY SHALL BE MADE WITHOUT PRIOR WRITTEN PERMISSION FROM THE CITY OF CANTON PLANNING DEPARTMENT.
7. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL PLANTS AND LAWN AREAS UNTIL THE WORK IS ACCEPTED IN FULL IN WRITING BY THE OWNER'S REPRESENTATIVE. THIS INCLUDES WEEDING, TRIMMING, PRUNING, MOWING, FERTILIZING, ETC., OR OTHER ACTIVITIES AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
8. THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL AND TURF AREAS FOR A PERIOD OF ONE (1) YEAR BEGINNING FROM THE FINAL ACCEPTANCE DATE. FINAL ACCEPTANCE WILL BE GRANTED BY THE OWNER'S REPRESENTATIVE UPON COMPLETION OF THE ENTIRE PROJECT. THE CONTRACTOR SHALL MAINTAIN THE SCHEDULED SPECIFICATIONS OF THE PLANT AND AT THE END OF THE GUARANTEE PERIOD AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
9. ALL PLANT MATERIAL WHICH DIES, TURNS BROWN OR DEFOLIATES BOTH PRIOR TO THE FINAL ACCEPTANCE OF THE WORK AND DURING THE ONE YEAR GUARANTEE PERIOD SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, VARIETY, QUALITY, SIZE AND MEETING ALL PLANT SCHEDULE SPECIFICATIONS.
10. BURLAP MATERIAL ON ALLOWED AND BURLAPPED PLANTS SHALL BE THE TYPE WHICH WILL DECEAY. THE MULCH SHALL BE FREE FROM MOLD, STICKS, CONES, OR OTHER NON-PLANT TYPES WILL BE ALLOWED. AFTER SETTING BALLED AND BURLAPPED PLANTS IN THE PLANTING PIT, ALL BINDER TWINE SHALL BE CUT AND THE BURLAP REMOVED FROM THE TOP 1/3 OF THE ROOTBALL.
11. ALL SHRUB AND SEASONAL COLOR BED AREAS SHALL BE TOP DRESSED WITH A MINIMUM OF 3" OF COMPACTED MULCH. THE MULCH SHALL BE PLACED IN THE MINIMUM DEPTH UNTIL THE WEEDS, AND OTHER DEBRIS. COMPACTION OF THE MULCH SHALL OCCUR NATURALLY OVER A TWO-WEEK PERIOD DURING WHICH AT LEAST ONE SIGNIFICANT RAINFALL HAS OCCURRED. MULCH SHALL BE PLACED IN ORDER TO MAINTAIN THE MINIMUM DEPTH UNTIL DATE OF FINAL ACCEPTANCE.

Contact: KIRK FARRELLY
(205) 263-4589

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CANTON STARBUCKS AND URGENT CARE

Project Location	
Address	4125 MARIETTA HIGHWAY
City, State Zip	CANTON, GA 30114
Land Lot	160
District-Section	15
County	CHEROKEE
<hr/>	
Project No.	20-011-c
Drawn By:	CS
Checked By:	SMB
Initial Issue Date:	06-03-2021

Sheet Title

**TREE REPLACEMENT &
LANDSCAPE PLAN**

Sheet Number

C-09

1. THE EXISTING LAND IS CURRENTLY IN A PARTIALLY DEMOLISHED CONDITION FROM A PREVIOUS GAS STATION ON SITE. THERE ARE NO BUILDINGS ON SITE.
2. THE PROPOSED USE OF THE LAND IS A SITE FOR A NEW STARBUCKS AND URGENT CARE FACILITY WITH ASSOCIATED PARKING AND UTILITIES.
3. PROPERTY OWNER: CAPITAL GROWTH BUCHALTER
361 SUMMIT BLVD, STE 110
BIRMINGHAM, AL 35243
CONTACT: KIRK FARRELLY
PHONE: (205) 263-4589
KFARRELLY@CGPRE.COM
4. PROJECT ACREAGE = 1.2 ACRES
5. DISTURBED AREA = 1.2 ACRES
6. THE ADJACENT PROPERTY IS ZONED GC.
7. THE RECEIVING WATER IS A TRIBUTARY OF BLANKETS CREEK
8. THERE ARE NO STREAM BUFFERS ON THE PROJECT.
9. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE CONTRACTOR.
10. SEDIMENT STORAGE MAINTENANCE INDICATORS MUST BE INSTALLED IN STORAGE STRUCTURES, INDICATING THE $\frac{1}{2}$ FULL VOLUME (CLEAN OUT LEVEL).
11. DETENTION POND, DETENTION OUTLET STRUCTURES AND TEMPORARY SEDIMENT POND FEATURES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION GRADING.
12. ALL FILL SLOPES SHALL HAVE SILT FENCE PLACED AT THE SLOPE'S TOE.
13. CONCENTRATED FLOW AREAS AND ALL SLOPES GREATER THAN 2.5:1 WITH A HEIGHT OF 10 FEET OR GREATER SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BARKET.
14. THERE ARE NO WETLANDS ON THE PROPOSED PROJECT. THERE ARE NO STATE WATERS WITHIN 200 FEET OF THE PROPOSED PROJECT.
15. SOLID WASTE DISPOSAL TO BE OFF-SITE AS DESCRIBED IN THE SOLID WASTE MANAGEMENT AFFIDAVIT. NOT DISCHARGE TO WATERS OF THE STATE EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
16. THIS SITE DOES NOT DISCHARGE WITHIN 1 MILE OF AN IMPAIRED STREAM.

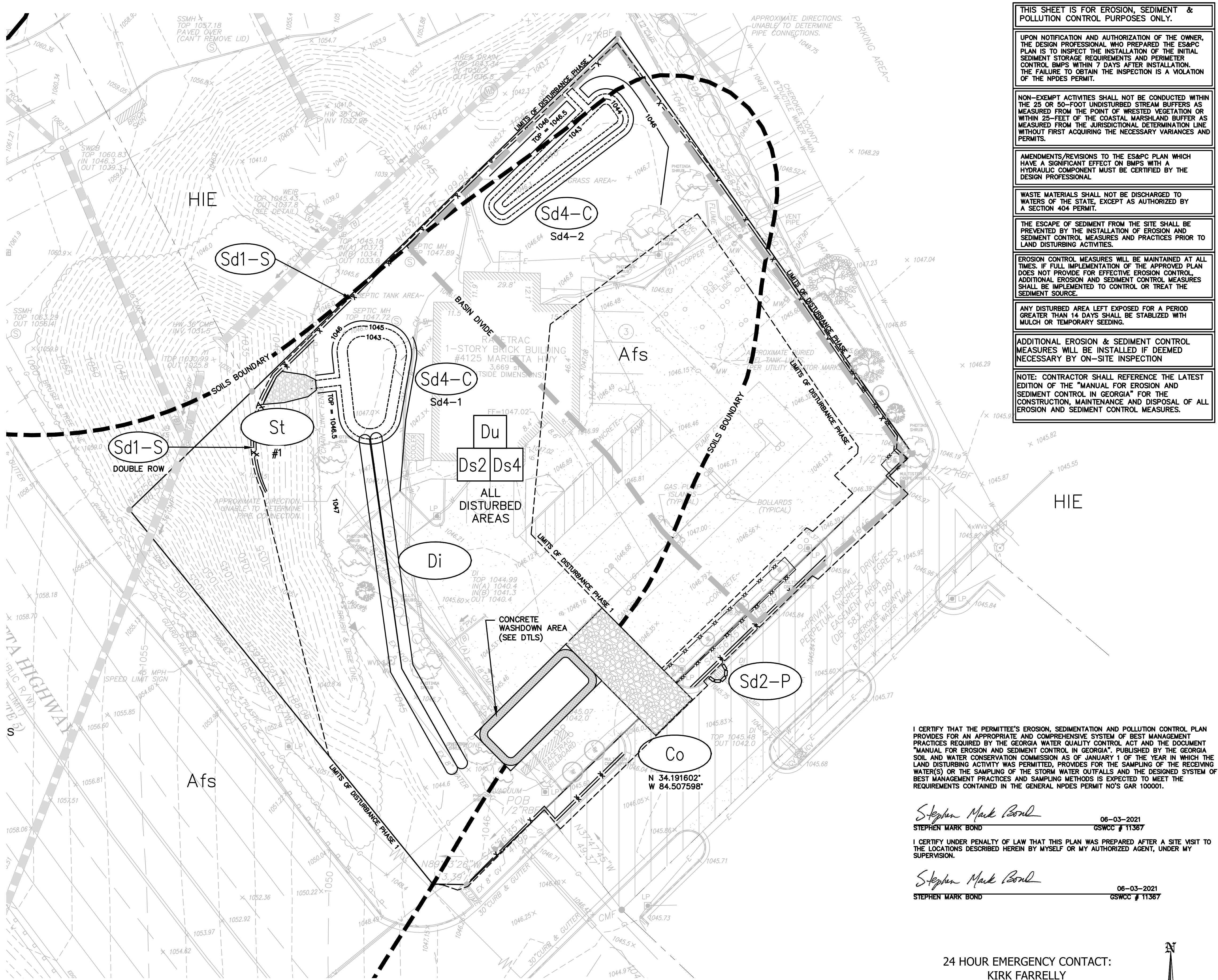
1. THE CONTRACTOR IS RESPONSIBLE FOR THE FILING BOTH A NOTICE OF INTENT AND A NOTICE OF TERMINATION (NO/NOT) WITH THE GEORGIA E.P.D.
2. SEDIMENT AND EROSION CONTROL MEASURES AND PRACTICES TO BE INSPECTED DAILY.
3. DISTURBED AREAS ARE TO BE GRASSED AS SOON AS CONSTRUCTION PHASES PERMIT.
4. INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAO. 10001.
5. STORAGE LOCATION AND DISPOSAL PROCEDURES FOR CONCRETE TRUCK OR MIXER WASH OUT: CONCRETE TRUCKS SHALL BE LOCATED IN A TEMPORARY TRUCK WASH AREA LOCATED IN AN AREA DESIGNATED BY THE CONTRACTOR. WASH OUT SHALL BE CONTAINED WITHIN A PIT OR TRENCH WITH NO MATERIAL LEAVING THE SITE OR IMPACTING VEGETATED AREAS SHOWN TO BE CONTAINED ON THE TRUCK. TRUCKS OR MATERIAL SHALL BE COVER THE BREAKDOWN OF MATERIAL INTO ACCEPTABLE PIECES AND PLACEMENT WITHIN UNCLASSIFIED PL AREA AS DIRECTED BY THE ONSITE GEOTECHNICAL ENGINEER.
6. PAINT AND/OR OTHER CHEMICALS SHALL BE STORED IN SECURED FACILITIES WITH RESTRICTED ACCESS TO EMPLOYEES ONLY. CLEAN UP AND DISPOSAL OF THIS MATERIAL SHALL BE IN ACCORDANCE WITH ALL RECOGNIZED LOCAL AND FEDERAL REQUIREMENTS. ALL DISPOSAL SHALL BE APPROVED OFF-SITE WASTE FACILITIES CLASSIFIED TO ACCEPT THAT MATERIAL.
7. EMERGENCY PROCEDURES FOR SPILL OR REPORTABLE QUALITY OF PETROLEUM PRODUCTS: ALL PORTAJOHNS SHALL BE LOCATED ONSITE AND BE LOCATED WITHIN THE PERIMETER OF A SECONDARY CONTAINMENT FEATURE. TYPICALLY THIS WILL CONSIST OF AN EARTHEN BERM CONSTRUCTED AROUND 3 SIDES OF THE STORAGE AREA. EMERGENCY PROCEDURES FOR SPILLS SHALL BE KEPT ON SITE FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL LOCATED STORAGE FACILITIES IN AREAS WITH THE LEAST FORESEEABLE IMPACT IF A CATASTROPHIC EVENT SHOULD OCCUR.
8. PORTAJOHNS SHALL BE LOCATED ONSITE AND USED DURING CONSTRUCTION.

1. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH ENTRY TO OR EXIT FROM THE SITE.
2. 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 SODS, AS WELL AS PERIODIC CLEAN-UP OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM THE VEHICLES ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED.
3. 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 SHALL OCCUR WITHIN THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
4. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXISTS, ALL PERMETER CONTROL AND EROSION CONTROL WATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
5. THE CONTRACTOR AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.
6. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.
7. THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED.
8. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL THE EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO GEORGIA STANDARDS.
9. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.
- 10.

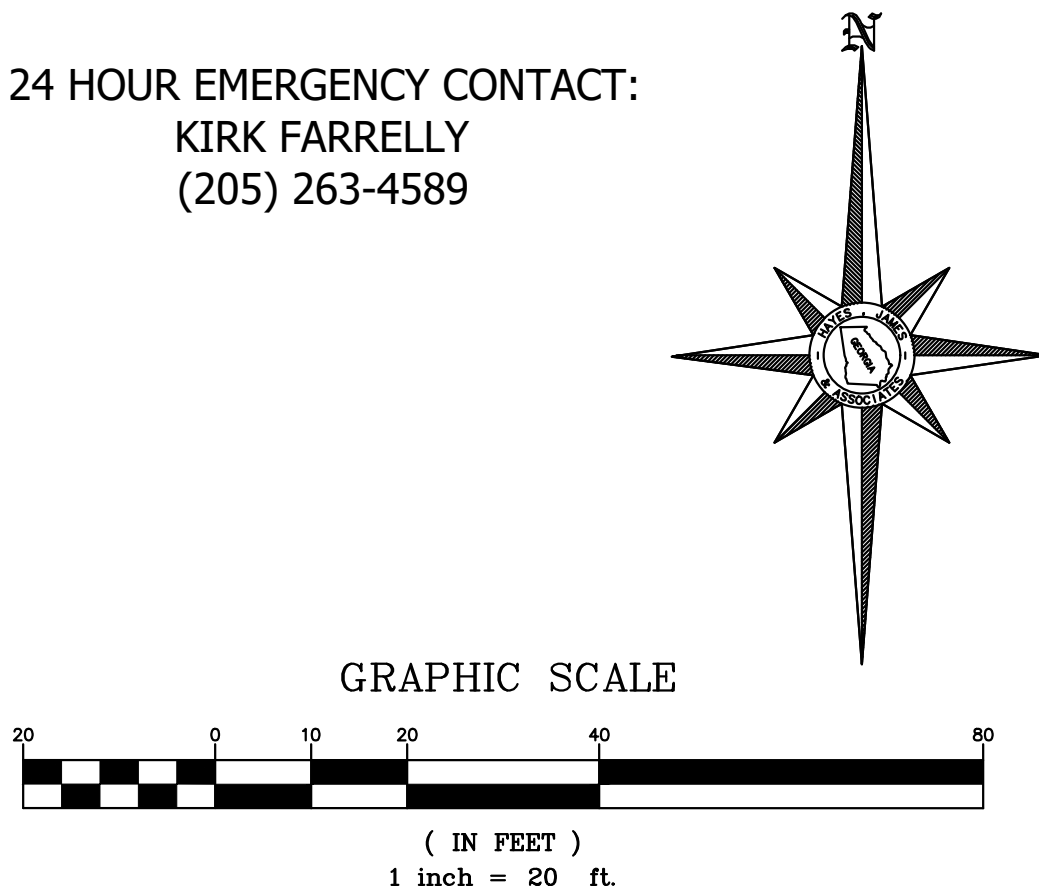
1. EXISTING ROADS
 - 1.1. DIVERSION DITCHES AND/OR A DOUBLE ROW OF SILT FENCE SHALL BE INSTALLED ALONG EXISTING EDGE OF PAVEMENT TO PREVENT SEDIMENT FROM ESCAPING.
 - 1.2. EXISTING INLETS SHALL BE PROTECTED W/ S42-F OR a02-P AS SHOWN TO PREVENT CLOGGING OF EXISTING STORM PIPE. EXISTING PIPE SYSTEMS SHALL BE INSPECTED AND CLEANED AFTER EVERY RAINFALL.
2. THERE ARE STEEP SLOPES WITHIN THE PROJECT AREA: THESE SLOPES WILL BE STABILIZED WITH THE APPROPRIATE MATTING.

PHASE 3 EROSION CONTROL CONSISTS OF MAINTENANCE OF BMPs INSTALLED IN PHASES 1 & 2 AND FINAL STABILIZATION OF THE SITE AND REMOVAL OF ALL TEMPORARY EROSION CONTROL MEASURES ONCE THE SITE IS STABILIZED.

Afs-AUGUSTA FINE SANDY LOAM, GROUP B/D
HIE-HAYESVILLE FINE SANDY LOAM, 10-25% SLOPES, GROUP B



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LEVEL II: 11367 EXP: 05/27/2024

Project Title

CANTON STARBUCKS AND URGENT CARE

Project Location	
Address	4125 MARIETTA HIGHWAY
City, State Zip	CANTON, GA 30114
Land Lot	160
District-Section	15
County	CHEROKEE

Project No. 20-011-c
Drawn By: RAR
Checked By: SMB
Initial Issue Date: 06-03-2021

Sheet Title

EROSION CONTROL PHASE 1

Sheet Number

C-10

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- II EROSION NOTES:

- III EROSION NOTES:

- CRITICAL AREAS:

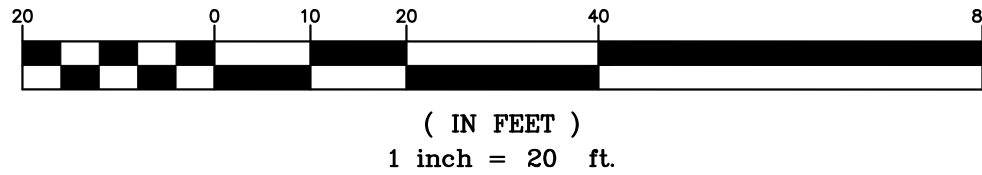
- WARM WATER (SUPPORTING WARM WATER FISHERIES)

NOTE: NTU CHART TO BE USED IS WARM WATER.
ALL OUTLETS ON THIS SITE FALL UNDER THE SAME NTU VALUE. SITE
SIZE IS 1.17 ACRES, SURFACE WATER DRAINAGE AREA IS < 5 SMI.
SEE NTU VALUE CIRCLED ABOVE

THIS SHEET IS FOR EROSION, SEDIMENT & POLLUTION CONTROL PURPOSES ONLY.
UPON NOTIFICATION AND AUTHORIZATION OF THE OWNER, THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERMITTER CONTROL BMPs WITHIN 7 DAYS AFTER INSTALLATION. THE FAILURE TO OBTAIN THE INSPECTION IS A VIOLATION OF THE NPDES PERMIT.
NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STRIP BUFFER AS MEASURED FROM THE POINT OF WREATHED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTION OF DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
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.
WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
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.
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 INSTALLED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION
NOTE: CONTRACTOR SHALL REFERENCE THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL" (EM-402) FOR THE DESIGN, CONSTRUCTION, MAINTENANCE AND DISPOSAL OF ALL EROSION AND SEDIMENT CONTROL MEASURES.



A diagram showing a rectangular area divided into a grid of squares, representing a slope stabilization structure.



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LEVEL II: 11367 EXP: 05/27/2024

Project Title

CANTON STARBUCKS AND URGENT CARE

Project Location	
Address	4125 MARIETTA HIGHWAY
City, State Zip	CANTON, GA 30114
Land Lot	160
District-Section	15
County	CHEROKEE

Project No.	20-011-c
Drawn By:	RAR
Checked By:	SMB
Initial Issue Date:	06-03-2021

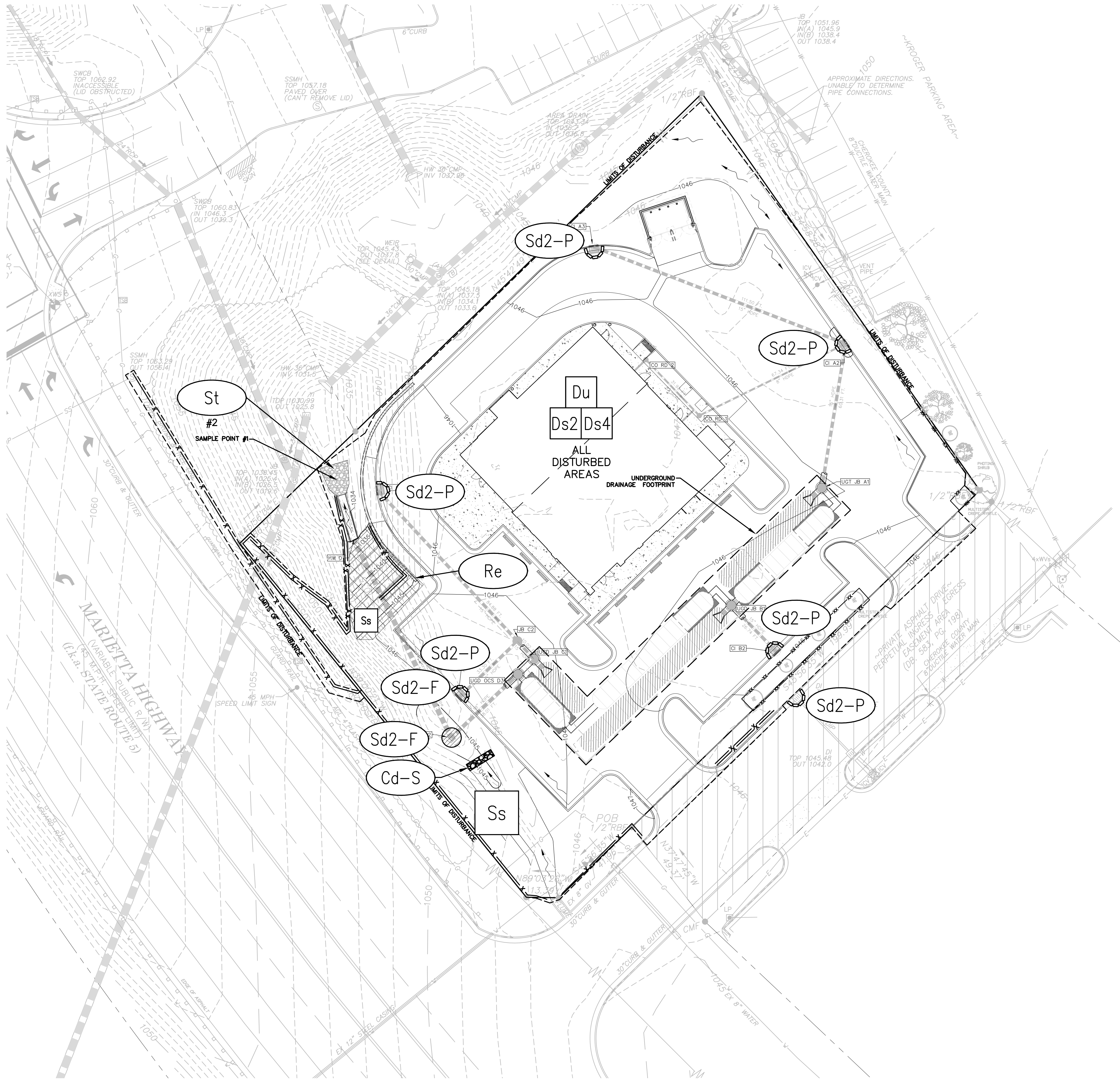
Sheet Title

EROSION CONTROL PHASE 2

Sheet Number

C-11

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ryan remillard



THIS SHEET IS FOR EROSION, SEDIMENT & POLLUTION CONTROL PURPOSES ONLY.

UPON NOTIFICATION AND AUTHORIZATION OF THE OWNER, 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. THE FAILURE TO OBTAIN THE INSPECTION IS A VIOLATION OF THE NPDES PERMIT.

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

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.

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

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.

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.

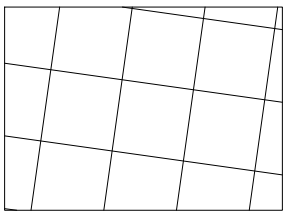
ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.

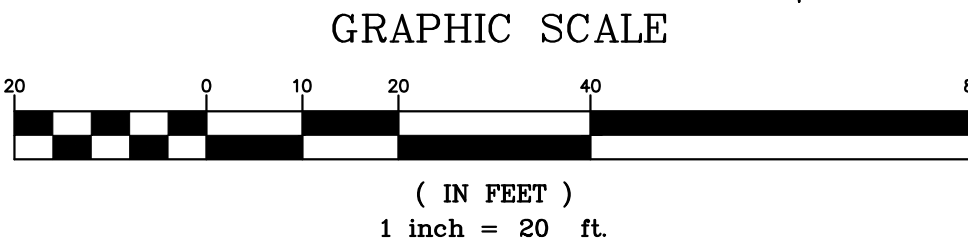
NOTE: CONTRACTOR SHALL REFERENCE THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR THE CONSTRUCTION, MAINTENANCE AND DISPOSAL OF ALL EROSION AND SEDIMENT CONTROL MEASURES.

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SEE THE LANDSCAPE TREE PLAN FOR FINAL PLANTING LOCATIONS



SLOPE STABILIZATION



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REVISION	Date	By	App.	Description
No.				
1	08/31/21	RAR	SMB	RE-SUBMITTAL - ADDRESSED COMMENTS
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LEVEL II: 11367 EXP: 05/27/2024

Project Title
CANTON STARBUCKS AND URGENT CARE

Project Location
Address 4125 MARIETTA HIGHWAY
City, State Zip CANTON, GA 30114
Land Lot 160
District-Section 15
County CHEROKEE

Project No. 20-011-c
Drawn By: RAR
Checked By: SMB
Initial Issue Date: 06-03-2021

Sheet Title

**EROSION CONTROL
PHASE 3**

Sheet Number

C-12

NPDES PLAN FOR COMPLIANCE WITH STAND ALONE CONSTRUCTION GAR100001			
PERMIT COVERAGE AREA: GAR100001 PART I.A THIS PERMIT COVERS ONLY SOURCE DISCHARGES OF STORM WATER TO THE WATERS OF THE STATE OF GEORGIA FROM CONSTRUCTION ACTIVITIES AS DEFINED IN THIS PERMIT.			
DEFINITIONS: ALL TERMS USED IN THIS PERMIT SHALL BE INTERPRETED IN ACCORDANCE WITH THE DEFINITIONS AS SET FORTH IN THE GEORGIA QUALITY CONTROL ACT (ACT) AND THE GEORGIA RULES AND REGULATIONS FOR WATER QUALITY CONTROL CHAPTER 391-3-6 (RULES), UNLESS OTHERWISE DEFINED IN THIS PERMIT. SEE GAR10001 PART II.B.			
SITE DESCRIPTION			
PROJECT NAME: CANTON STARBUCKS AND URGENT CARE		PROJECT ADDRESS: 4125 MARIETTA HIGHWAY CANTON, GA 30114	
OWNERS' ADDRESS: 361 SUMMIT BLVD, STE 110 BIRMINGHAM, AL 35243		OWNER'S CONTACT: BRIK FARRELLY (205) 263--4589	FACILITY'S CONTACT: T.B.D.
OPERATOR'S NAME: T.B.O.		LOCAL ISSUING AUTHORITY: OFFICE OF CANTON (UA--028-02) 770-274-1539	
GENERAL PURPOSE AND DESCRIPTION OF SOIL DISTURBING ACTIVITY THIS PROJECT WILL CONSIST OF THE CONSTRUCTION OF A COMMERCIAL BUILDING WITH ASSOCIATED UTILITIES, AN UNDERGROUND STORM WATER DETENTION FACILITY WITH WATER QUALITY AREAS FOR THE STORM WATER AFTER CONSTRUCTION ACTIVITY HAS CEASED, EROSION AND SEDIMENTATION CONTROL, SLOPE SILT FENCINGS AND TEMPORARY AND PERMANENT SEEDING SHALL BE USED TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THE PRE CONSTRUCTION RUNOFF CURVE NUMBER IS .86. THE POST CONSTRUCTION RUNOFF CURVE NUMBER IS .89. THE EXISTING SLOPES DESCRIBED BY THE USDA SOIL SURVEY AS ATIS-AUGUSTA FINE SANDY LOAM, AND HIE-HAYSEVILLE FINE SANDY LOAM, 10%-23% SLOPES, AND IS-IN A HYDRAULIC CLASS B.			
SITE AREA: 1.2 ACRES	START DATE: 09--13--2021		
DISTURBED AREA: 1.2 ACRES	COMPLETION DATE: 09--13--2021		
TYPE OF CONSTRUCTION:		GPS LOCATION OF Co:	N 34.191602° W 84.570598°
GAR100001 PART IV.B-2-3 THE PRIMARY PERMITTEE SHALL HAVE PLANS AVAILABLE UPON REQUEST TO THE EPD; TO DESIGNATED OFFICIALS OF THE LOCAL GOVERNMENT REVIEWING SOIL EROSION POLLUTION PREVENTION PLANS, GRADING PLANS, OR STORM WATER MANAGEMENT PLANS; OR IN THE CASE OF A STORMWATER DAMAGE ASSOCIATED WITH CONSTRUCTION ACTIVITY WHICH DISCHARGES THROUGHOUT A MUNICIPAL SEPARATE-STORM SEWER SYSTEM WITH AN NPDES PERMIT, TO THE LOCAL GOVERNMENT OPERATING THE MUNICIPAL SEPARATE STORM SEWER SYSTEM. EPD MAY NOTIFY THE PRIMARY PERMITEE AT ANY TIME THAT THE PLAN DOES NOT MEET ONE OR MORE OF THE MINIMUM REQUIREMENTS OF THIS PART, WITHIN SEVEN (7) DAYS OF SUCH NOTIFICATION (OR AS OTHERWISE PROVIDED BY EPD). THE PRIMARY PERMITTEE SHALL MAKE THE REQUIRED CHANGES TO THE PLAN AND SUBMIT IT TO EPD EITHER THE APPROVED PLAN OR A WRITTEN CERTIFICATION THAT THE REQUESTED CHANGES HAVE BEEN MADE.			
MANAGEMENT PRACTICES AND PERMIT VIOLATIONS 1. BEST MANAGEMENT PRACTICES, AS SET FORTH IN THE PERMIT, ARE REQUIRED FOR ALL CONSTRUCTION ACTIVITIES, AND MUST BE IMPLEMENTED IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS CONTAINED IN "THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBANCE ACTIVITY WAS PERMITTED TO PREVENT OR REDUCE THE POLLUTION OF WATERS OF GEORGIA. PROPER DESIGN, INSTALLATION, AND MAINTENANCE OF BEST MANAGEMENT PRACTICES SHALL CONSTITUTE A COMPLETE DEFENSE TO ANY ACTION BY THE DIRECTOR OR TO ANY ALLEGATION OF NON COMPLIANCE WITH PART III.D.3. AND PART III.D.4. 2. EXCEPT AS REQUIRED TO INSTALL THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERMITTER CONTROL BMPs AS DESCRIBED IN PART IV.D.3. THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERMITTER CONTROL BMPs MUST BE INSTALLED AND IMPLEMENTED PRIOR TO CONDUCTING ANY OTHER CONSTRUCTION ACTIVITIES (E.G., CLEARING, GRUBBING AND GRAZING) WITHIN THE CONSTRUCTION SITE OR WHEN APPLICABLE, WITHIN PHASED SUB-PLOTS OR SEGMENTS OF THE CONSTRUCTION SITE. FAILURE TO COMPLY SHALL CONSTITUTE A VIOLATION OF THIS PERMIT FOR EACH DAY ON WHICH ANY CONSTRUCTION ACTIVITIES OCCURE. THE DESIGN PROFESSIONAL WHO PREPARED THE PLAN MUST CORRECT THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERMITTER CONTROL BMPs IN ACCORDANCE WITH PART IV.A.5. WITHIN SEVEN (7) DAYS AFTER INSTALLATION. 3. FAILURE TO PROPERLY DESIGN, INSTALL, OR MAINTAIN BEST MANAGEMENT PRACTICES THAT CONSTITUTE A VIOLATION OF THIS PERMIT FOR EACH DAY ON WHICH SUCH FAILURE OCCURS. BMP MAINTENANCE AS A RESULT OF THE PERMITTEES ROUTINE INSPECTIONS SHALL NOT BE CONSIDERED A VIOLATION FOR THE PURPOSES OF THIS PARAGRAPH. IF DURING THE COURSE OF THE PERMITTEES ROUTINE INSPECTION BMP FAILURES ARE OBSERVED WHICH HAVE RESULTED IN SIGNIFICANT DEPOSITION INTO WATERS OF THE STATE, THE PERMITTEE SHALL CORRECT THE BMP FAILURES AND SHALL SUBMIT A SUMMARY OF THE VIOLATIONS TO EPD IN ACCORDANCE WITH PART V.A.2. OF THIS PERMIT. 4. A DISCHARGE OF STORM WATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH DISCHARGE RESULTS IN THE TURBIDITY OF THE RECEIVING WATER BODY EXCEEDING THE TOLERANCES SHOWN IN APPENDIX B BASED ON MORE THAN TWENTY-FIVE (.25) NEPHELOMETRIC TURBIDITY UNITS FOR WATERS SUPPORTING WARM WATER FISHERIES, REGARDLESS OF A PERMITTEES CERTIFICATION UNDER PART III.E.1.1. THIS PARAGRAPH SHALL NOT APPLY TO ALL LAND DISTURBANCE ASSOCIATED WITH THE CONSTRUCTION OF SINGLE FAMILY HOMESHOLD ARE NOT PART OF A SUBDIVISION OR PLANNED COMMON DEVELOPMENT UNLESS FIVE (5) ACRES OR MORE WILL BE DISTURBED. 5. WHEN THE PERMITTEE HAS ELECTED TO SAMPLE OUTFALLS OF THE DISCHARGE OF STORM WATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED, A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING THE VALUE SELECTED FROM APPENDIX B APPLICABLE TO THE RELEVANT SITE-SPECIFIC CATEGORY THEREIN, INCLUDING THEREIN, THE PERMITTEE SHALL BE SELECTED FROM APPENDIX B BASED ON THE SIZE OF THE CONSTRUCTION SITE, THE SURFACE WATER DRAINAGE AREA AND WHETHER THE RECEIVING WATER(S) SUPPORTS WARM WATER FISHERIES OR IS A TRIBUTARY STREAM AS INDICATED IN THE RULES AND REGULATIONS FOR WATER QUALITY CONTROL, CHAPTER 391--3-6 at www.ecpr.org 			
INITIAL RECEIVING WATER NAME:[RECEIVING WATER TYPE]: [RUNOFF COEFFICIENTS:]			
A TRIBUTARY OF BLANKETS CREEK	WARM WATER FISHERIES STREAM	PRE: 86	POST: 89
SAMPLE TYPE:	NTU VALUE: [SURFACE WATER DRAINAGE AREA]		
SAMPLING OF OUTFALLS	75 <.49 SQ MI		
EROSION & SEDIMENT CONTROLS THE CONTRACTOR SHALL INSTALL ALL FINAL PERMITTER CONTROL BMP's PRIOR TO SITE CLEARING AND GRUBGING AS SHOWN ON THE PLAN. THE INITIAL PERMITTER CONTROL BMP'S SHALL BE INSTALLED BEFORE THE BEGINNING OF THE CONSTRUCTION PERIOD WITHIN 7 DAYS AFTER THE INITIAL CONSTRUCTION ACTIVITIES COMMENCE TO INSPECT THE INSTALLATION OF THE INITIAL CONTROL MEASURES (BWPS) WHICH THE DESIGN PROFESSIONAL DESIGNED, AS REPORT NOTED IN ANY DEFICIENCIES WILL BE ISSUED TO THE PRIMARY PERMITTEE (WHICH INCLUDES THE INSPECTION AND RECORDING OF THE DEFICIENCIES). THESE DEFICIENCIES SHOULD BE CORRECTED IMMEDIATELY AND MUST BE RESPECTFULLY AND WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED; CONTRACTOR SHALL SUBMIT A SUMMARY OF THE DEFICIENCIES AND THEIR REMEDIATION TO THE ENGINEER FOR REVIEW. NO DELAYS OF OVER TWO (2) WEEKS WITHOUT PRIOR APPROVAL, IN WRITING BY ENGINEER OR RECORD, INTERMEDIATE EROSION CONTROL MEASURES SHALL BE INSTALLED AND UTILITY CONSTRUCTION ACTIVITIES SHALL BE SUSPENDED UNTIL THE TERMNATIVE-EROSION AND DISTURBANCE ACTIVITY SHALL BE COMPLETED. FINAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AFTER MASS CLEARING, GRUBBING, EARROWING AND UTILITY CONSTRUCTION ACTIVITIES FINISH REACHES FINAL EROSION CONTROL MEASURES SHALL BE REQUIRED DURING CONSTRUCTION ACTIVITY.			
STABILIZATION PRACTICES ALL STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED TEMPORARILY BUT NOT IN CASES WHERE CONSTRUCTION ACTIVITY IS TEMPORARILY STOPPED DUE TO ADVERSE WEATHER CONDITIONS. STABILIZATION PRACTICES SHALL BE INITIATED AS SOON AS PRACTICABLE. IF CONSTRUCTION ACTIVITIES DO NOT TAKE PLACE ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED, (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED.			
SEQUENCE OF MAJOR CONSTRUCTION ACTIVITY: THE SEQUENCE OF MAJOR CONSTRUCTION ACTIVITES ARE AS FOLLOWS.			
<div style="display: flex;"><div style="flex: 1;"><ol style="list-style-type: none">INSTALLATION OF INITIAL PERMITTER EROSION, POLLUTION AND SEDIMENT CONTROL MEASURES AND THE CLEANING NECESSARY FOR THE INITIAL PERMITTER EROSION AND SEDIMENT CONTROL ONLY.INSPECTION OF INITIAL MEASURES BY ENGINEER OF RECORDMAKE ANY CORRECTIONS TO THE SPOT DEVICES AS NOTED BY THE ENGINEERING CONSULTANTSAPPROVAL OF INITIAL EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANCLEARING & GRUBBINGSAMPLING OF THE FIRST QUALIFIED RAIN EVENT AFTER MASS CLEARING & GRADING HAVE BEEN COMPLETED.INSTALLATION OF INTERMEDIATE EROSION, POLLUTION AND SEDIMENTATION CONTROL MEASURESMASS GRADING & UTILITY CONSTRUCTION</div><div style="flex: 1;"><ol style="list-style-type: none">SAMPLING 90 DAYS AFTER FIRST STARTUP OR COMPLETION OF MASS GRADING, WHICHEVER IS FIRST.INSTALLATION OF GRAVEL SUBBASE FOR ROADS & PARKING LOTSINSTALLATION OF WATER QUALITY MEASURESFINAL GRASSING OF FINAL EROSION CONTROL MEASURESFINSH GRADING AND PAYINGFINAL GRASSING OF DISTURBED AREASREMOVAL OF ALL EROSION CONTROL MEASURES.FILE NOTICE OF TERMINATIONFNISH INTERIOR OF BUILDING.</div></div>			
STRUCTURAL PRACTICES ALL STRUCTURAL PRACTICES SHALL BE INSTALLED PER THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBANCE ACTIVITY WAS PERMITTED. STRUCTURAL PRACTICES SHOULD BE PLACED ON UPLAND SOLIDS TO THE DEGREE ATTAINABLE. SEDIMENT PONDS SHALL BE PLACED AT THE DOWN STREAM POINT OF ALL DRAINAGE AREAS AS TO PROVIDE SIXTY--SEVEN (67) CUBIC YARDS OF SEDIMENT STORAGE AND INSTALLED AS RECOMMENDED BY MANNUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBANCE ACTIVITY WAS PERMITTED. SLT FENCES AND SLT BARRIERS SHALL BE INSTALLED AS RECOMMENDED BY "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBANCE ACTIVITY WAS PERMITTED. ALL DISTURBED AREAS SHALL HAVE A SILT BARRIER AT THE DOWN STREAM FACE. DIVERSION DITCHES AND SHAFTS HAVE NLT SEDIMENT TRAPS. INSTALLED THROUGHTOUT THE SITE DURING MASS GRADING TO ENSURE ALL SEDIMENTS ARE CAPTURED AND STORED IN DIVERSION DITCHES. DIVERSION DITCHES SHALL BE INSTALLED PER THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBANCE ACTIVITY WAS PERMITTED. ALL EXISTING NEW INLETS SHALL BE INSTALLED PER THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBANCE ACTIVITY WAS PERMITTED AT LOCATIONS THAT MAY IN RECEIVE AND RETURN STORM WATER RUNOFF FROM ANY DISTURBED AREA.			
IMPAIRED STREAMS THIS PROJECT IS NOT LOCATED WITHIN ONE (1) LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATER SHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT.			
COVER FOR BUILDING MATERIALS, BUILDING PRODUCTS AND OTHER 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 ROOF) 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 POSSES LITTLE RISK TO STORMWATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USE).			



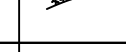

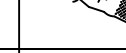



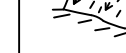



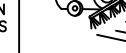

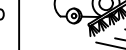



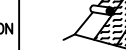

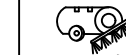

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ryan remillard

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
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																				■

TOTAL SITE AREA = 1.2 ACRES

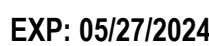
TOTAL DISTURBED AREA = 1.2 ACRES

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

Du	DUST CONTROL ON DISTURBED AREAS
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1/ TEMPORARY COVER CROPS ARE VERY COMPETITIVE AND WILL CROWN OUT PERENNIALS IF SEEDING 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 MLRA

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Sheet Number

C-14

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 SOODING 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 UNFORMALLY 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 SOODING).
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, INOCULANT (IF NEEDED), AND WOOD PULP FIBER MULCH AND APPLIED IN A SLURRY. 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 CALCIC 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.

LIME AND FERTILIZER RATES AND ANALYSIS CONT

AGRICULTURAL LIME SPREAD BY HYDRAULIC SEEDING EQUIPMENT SHALL BE "FINELY GROUND LIMESTONE." FINELY GROUND LIMESTONE IS CALCIC 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 PLAINWOODS MIRA'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 TABLE BELOW FOR APPROVED SPECIES. SPECIES NOT LISTED SHALL BE APPROVED BY THE OWNER AND 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. 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 SERICIA LESPEDEZA (SCARIFIED) AND TALL FESCUE WITH SERICIA 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,

THE BULK SEEDING RATE IS: 10 LBS. OF PLS / ACRE = 17.9 LBS / ACRE 56% PLS

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. ALLEVATE 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 DISK 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.

INOCULANTS
ALL LEGUME SEED SHALL BE INOCULATED WITH APPROPRIATE NITROGEN-FIXING BACTERIA. THE INOCULANT SHALL BE A PURE CULTURE PREPARED SPECIALLY FOR THE SEED SPECIES AND USED WITHIN THE DATES ON THE CONTAINER. A MIXING METHOD RECOMMENDED BY THE MANUFACTURER SHALL BE USED TO BOND THE INOCULANT TO THE SEED. FOR CONVENTIONAL SEEDING, USE TWICE THE AMOUNT OF INOCULANT RECOMMENDED BY THE MANUFACTURER. FOR HYDRAULIC SEEDING, FOUR TIMES THE AMOUNT OF INOCULANT 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 HOLE. TWO INCHES OF SOIL SHALL BE ADDED AND THE PLANT SHALL BE SET IN THE HOLE.

MULCHING

MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO 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 TONS 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.
SERICIA 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:

1. ALLEVATE 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.
- ANCHORING MULCH
ANCHOR STRAW OR HAY MULCH IMMEDIATELY AFTER APPLICATION BY ONE OF THE FOLLOWING METHODS:
1. ALLEVATE 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.
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1. ALLEVATE 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.
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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
GRASS 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.

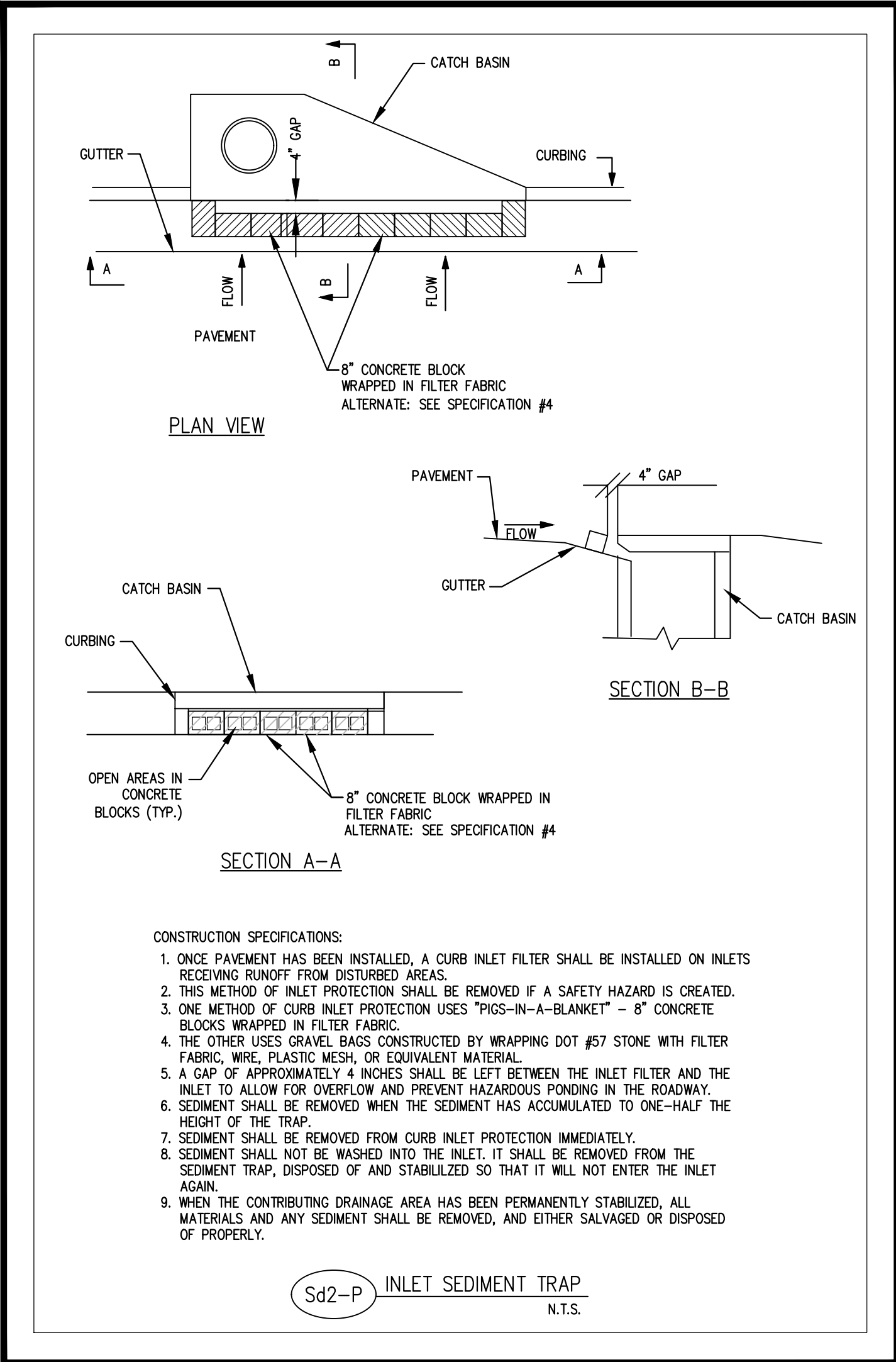
SECOND YEAR AND MAINTENANCE FERTILIZATION: SECOND YEAR FERTILIZER RATES AND MAINTENANCE FERTILIZER RATES ARE LISTED IN TABLE 6-5.1.

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.

USE AND MANAGEMENT: MOW SERICIA LESPEDEZA ONLY AFTER FROST TO ENSURE THAT THE SEEDS ARE MATURE. MOW BETWEEN NOVEMBER AND MARCH. BERMUDAGRASS, BAHIA GRASS 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.

		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 6-12-12 0-10-10	1500 LBS./AC. 1000 LBS./AC. 400 LBS./AC.	0-50 LBS./AC. 1/ ---
3. GROUND COVERS	FIRST SECOND MAINTENANCE	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	FIRST MAINTENANCE	0-10-10 0-10-10	700 LBS./AC. 700 LBS./AC. 4/	---
6. TEMPORARY COVER CROPS SEEDED ALONE	FIRST	10-10-10	500 LBS./AC.	30 LBS./AC. 5/
7. WARM SEASON GRASSES	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	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 0-10-10	1500 LBS./AC. 1000 LBS./AC. 400 LBS./AC.	50 LBS./AC. 6/

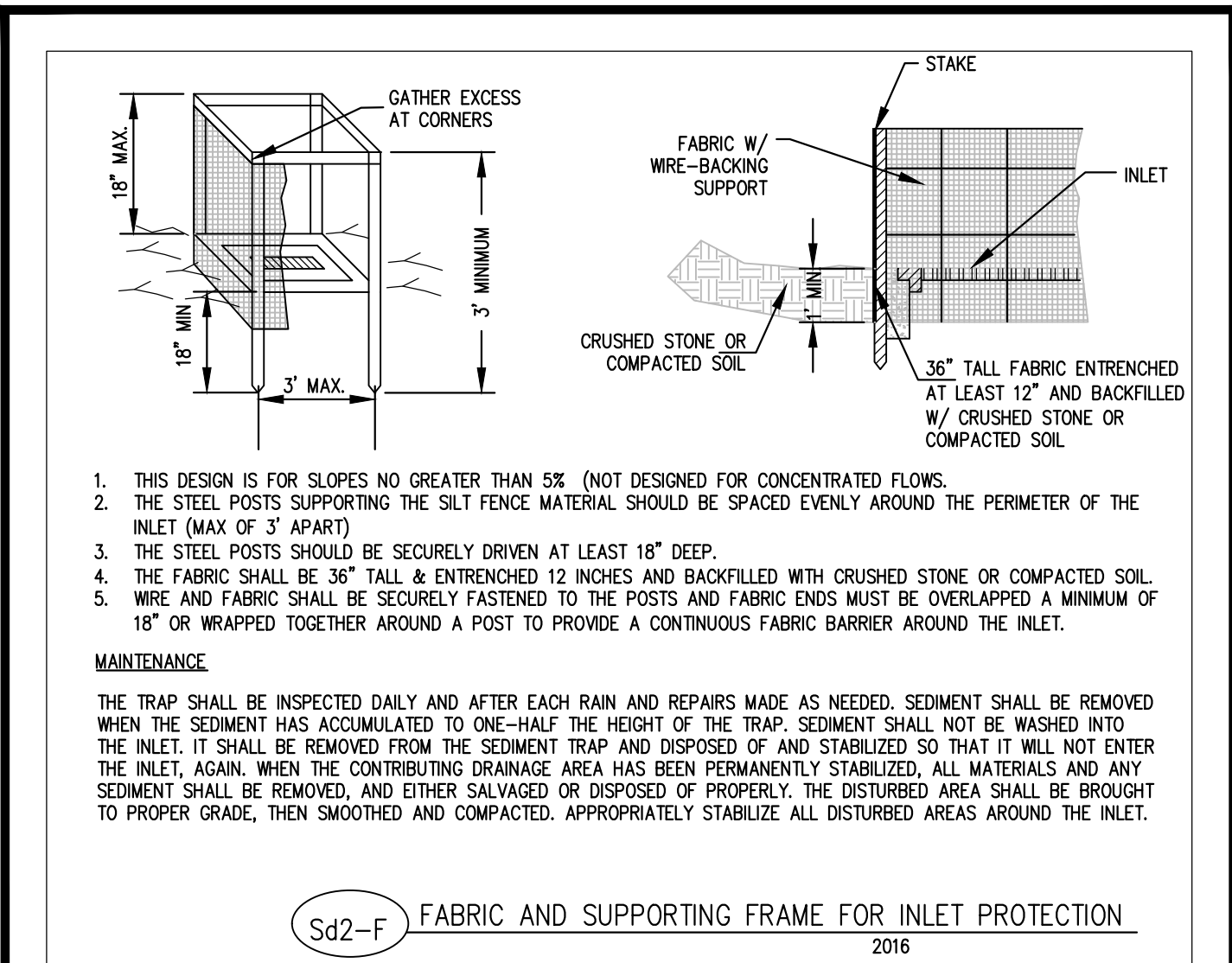
- 1/ APPLY IN SPRING FOLLOWING SEEDING.
- 2/ APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED.
- 3/ APPLY IN 3 SPLIT APPLICATIONS.
- 4/ APPLY WHEN PLANTS ARE PRUNED.
- 5/ APPLY TO GRASS SPECIES ONLY.
- 6/ APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.



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 "PISS-IN-A-BLANKET" - 8" CONCRETE BLOCKS WRAPPED IN FILTER FABRIC.
4. THE OTHER USES GRAVEL BASS CONSTRUCTED BY WRAPPING DIRT #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 STABILIZED 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-P INLET SEDIMENT TRAP N.T.S.



1. THIS DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
2. THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAX OF 3' APART).
3. THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
4. THE FABRIC SHALL BE 36" TALL & ENTRENCHED 12 INCHES AND BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.
5. WIRE AND FABRIC SHALL BE SECURELY FASTENED TO THE POSTS AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

MAINTENANCE

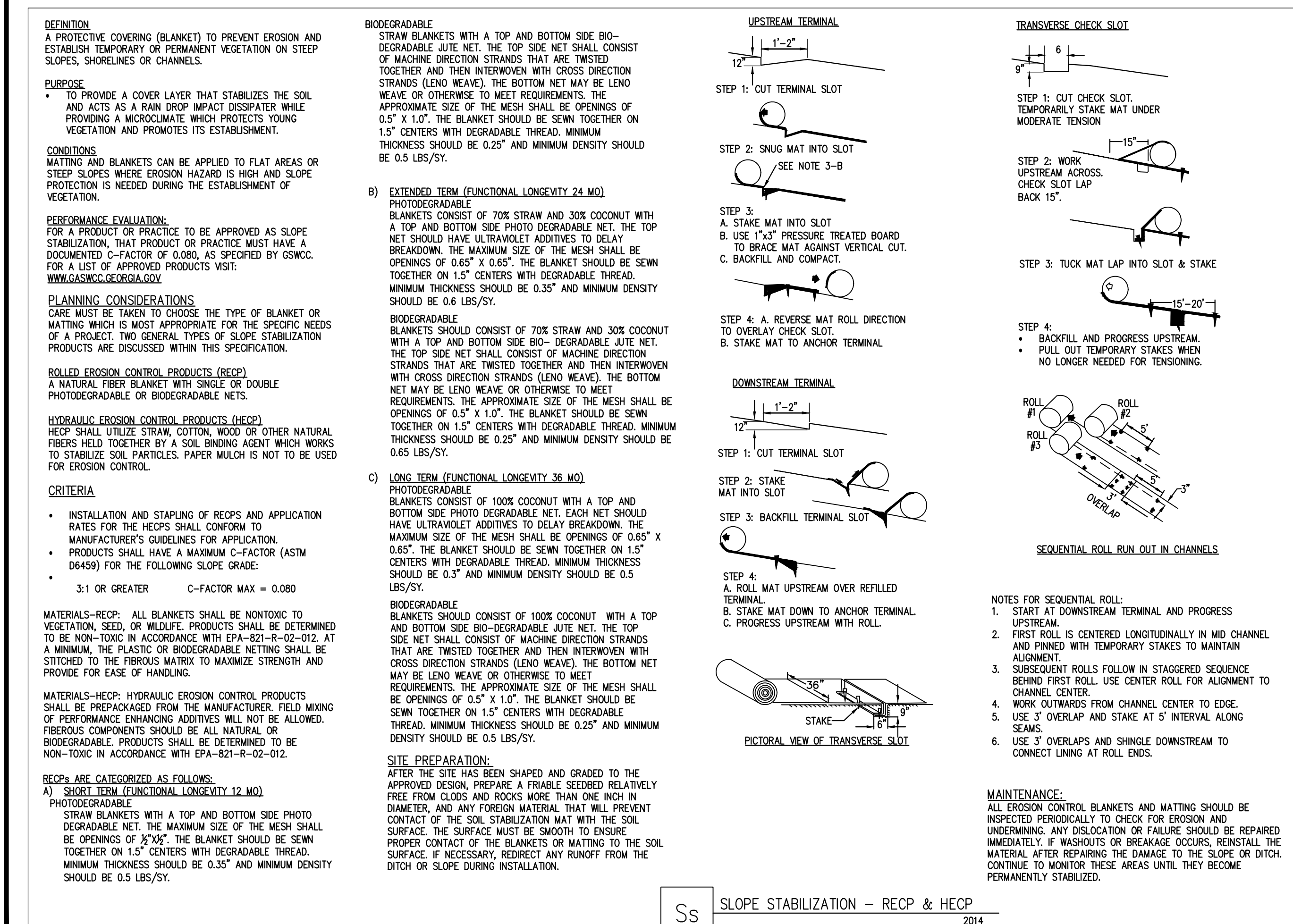
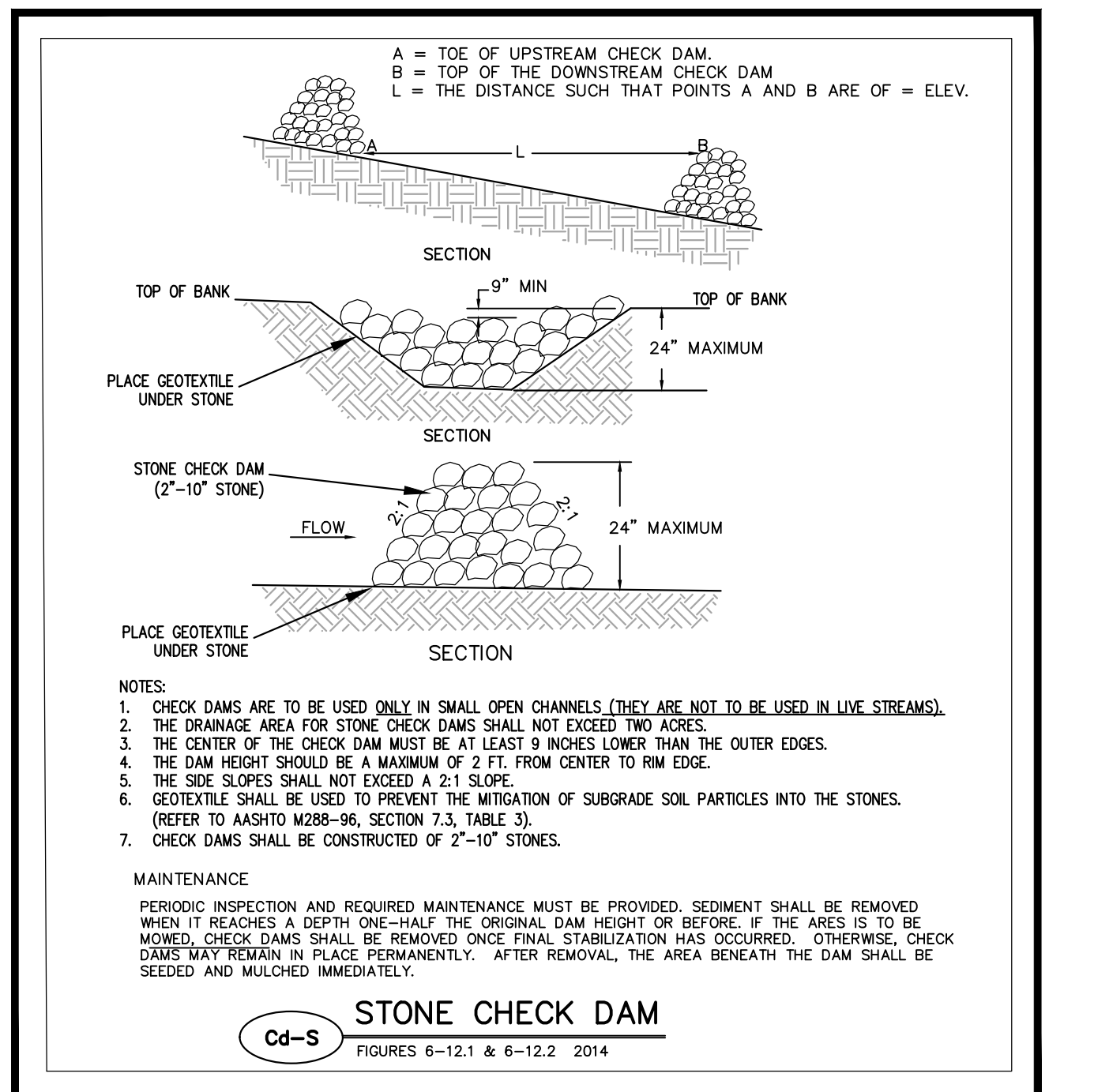
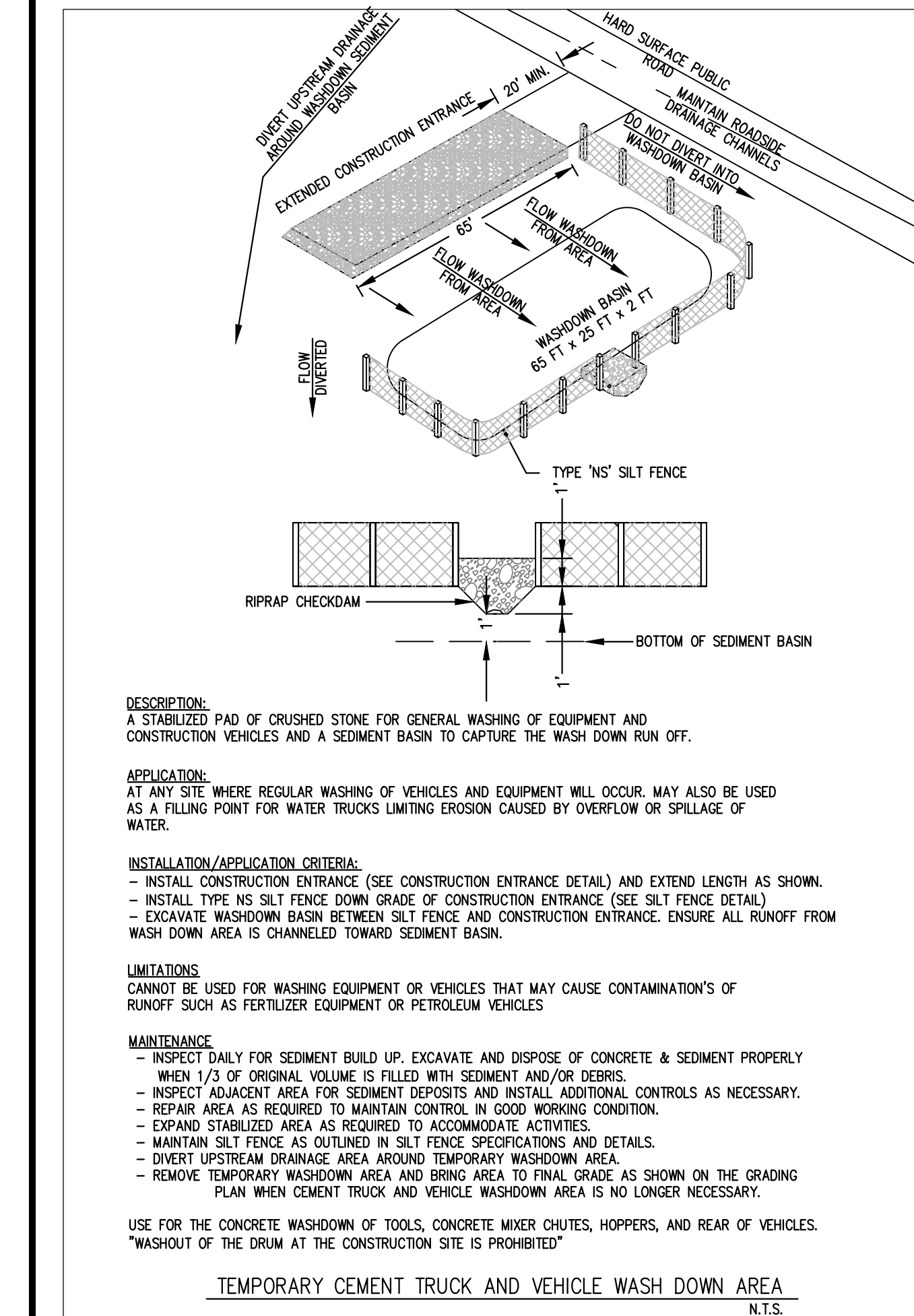
THE TRAP SHALL BE INSPECTED DAILY AND AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE TRAP. SEDIMENT SHALL NOT BE WASHED INTO THE INLET. IT SHALL BE REMOVED FROM THE SEDIMENT TRAP AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLET. AGAIN, WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, ALL MATERIALS AND ANY SEDIMENT SHALL BE REMOVED, AND EITHER SALVAGED OR DISPOSED OF PROPERLY. THE DISTURBED AREA SHALL BE BROUGHT TO PROPER GRADE, THEN SMOOTHED AND COMPACTED. APPROPRIATELY STABILIZE ALL DISTURBED AREAS AROUND THE INLET.


Sd2-F FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION 2016

PLANTS, PLANTING RATES, AND PLANTING DATES																	
SPECIES	BROADCAST RATES 1/ – PLS 2/		RESOURCE AREA 3/	PLANTING DATES BY RESOURCE AREAS												REMARKS	
				PLANTING DATES													
	(SOLID LINES INDICATE OPTIMUM DATES, DOTTED LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.)																
	PER ACRE	PER 1000 sq. ft.		J	F	M	A	M	J	J	A	S	O	N	D		
FESCUE, TALL (FESTUCA ARUNDINACEA)																	227,000 SEED PER POUND. USE ALONE ONLY ON BETTER SITES. NOT FOR DROUGHTY SOILS. APPLY TOPDRESSING IN SPRING FOLLOWING FALL PLANTINGS. NOT FOR HEAVY USE AREAS OR ATHLETIC FIELDS.
ALONE	50 LBS.	1.1 LB.	M–L														
BERMUDA, COMMON (CYNODON DACTYLON)			P														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	C														
WITH OTHER PERENNIALS	6 LBS	0.1 LB															
BERMUDA, COMMON (CYNODON DACTYLON)			P														PLANT WITH WINTER ANNUALS.
UNHULLED SEED			C														
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 500 PLUGS 3' X 3'		M–L														A CUBIC FOOT CONTAINS APPROXIMATELY 650 SPRIGS. A BUSHEL CONTAINS 1.25 CUBIC FEET OR APPROXIMATELY 800 SPRIGS.
COASTAL, COMMON, MIDLAND, OR TIFT 44			P														
COASTAL, COMMON, OR TIFT 44			C														SAME AS ABOVE
TIFT 78			C														
CENTPEDE (ERMOCLOA OPHUROIDES)	BLOCK SOD ONLY		P														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.
			C														
				J <td>F<td>M<td>A<td>M<td>J<td>J<td>A<td>S<td>O<td>N<td>D</td><td></td></td></td></td></td></td></td></td></td></td></td>	F <td>M<td>A<td>M<td>J<td>J<td>A<td>S<td>O<td>N<td>D</td><td></td></td></td></td></td></td></td></td></td></td>	M <td>A<td>M<td>J<td>J<td>A<td>S<td>O<td>N<td>D</td><td></td></td></td></td></td></td></td></td></td>	A <td>M<td>J<td>J<td>A<td>S<td>O<td>N<td>D</td><td></td></td></td></td></td></td></td></td>	M <td>J<td>J<td>A<td>S<td>O<td>N<td>D</td><td></td></td></td></td></td></td></td>	J <td>J<td>A<td>S<td>O<td>N<td>D</td><td></td></td></td></td></td></td>	J <td>A<td>S<td>O<td>N<td>D</td><td></td></td></td></td></td>	A <td>S<td>O<td>N<td>D</td><td></td></td></td></td>	S <td>O<td>N<td>D</td><td></td></td></td>	O <td>N<td>D</td><td></td></td>	N <td>D</td> <td></td>	D		
LOVEGRASS, WEEPING (ERAGROSTIS CURVULA)			M–L														1,500,000 SEED PER POUND. QUICK COVER. DROUGHT TOLERANT. GROWS WELL WITH SERICEA LESPEDEZA ON ROADBANKS
ALONE	4 LBS	0.1 LB	P														
WITH OTHER PERENNIALS	2 LBS	0.05 LB	C														

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REVISION	Description	By	App.	Date															
	RE-SUBMITTAL - ADDRESSED COMMENTS		RAR, SMB	08/31/21															
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LEVEL II: 11367 EXP: 05/27/2024

Project Title

CANTON STARBUCKS AND URGENT CARE

Project Location

Address 4125 MARIETTA HIGHWAY

City, State Zip CANTON, GA 30114

Land Lot 160

District-Section 15

County CHEROKEE

Project No. 20-011-c

Drawn By: RAR

Checked By: SMB

Initial Issue Date: 06-03-2021

Sheet Title

ES & PC DETAILS 3

Sheet Number

C-16



Project Name:	Canton Multi Tenant
---------------	---------------------

Stage Storage Relationship - Basin					
Contour Elevation	Depth (ft)	Contour Area (s.f.)	Volume /2' height	Cummulative Volume (cu. ft)	Cummulative Volume (cu. yd)
1043	0.00	535.70		0.00	0.00
1045	2.00	958.85	1,495	1,494.55	55.35
1045	2.00	0.00	0	1,494.55	55.35
	0.00		0	1,494.55	55.35
	0.00		0	0.00	0.00
	0.00		0	0.00	0.00
	0.00		0	0.00	0.00

Disturbed Area	0.49	acres
Required Storage Multiple	67	cy/acre
Minimum Storage Required = 67 x 1.33 x 27		
MINIMUM STORAGE REQUIRED	886.41	c.f
TOTAL VOL. PROVIDED	1,494.55	c.f
CLEANOUT STORAGE REQUIRED	291.06	c.f
MIN. CLEANOUT ELEVATION	1043.39	feet

Sd4-2 STAGE STORAGE

Project Name:	Canton Multi Tenant
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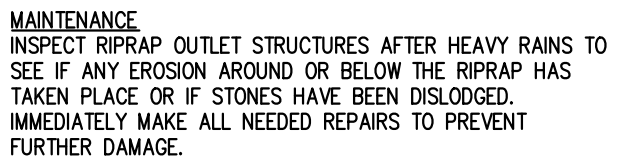
Stage Storage Relationship - Basin					
Contour Elevation	Depth (ft)	Contour Area (s.f.)	Volume Z/ height	Cummulative Volume (cu. ft)	Cummulative Volume (cu. yd)
1043	0.00	305.00		0.00	0.00
1044	1.00	569.00	437	437.00	16.19
1045	2.00	857.00	713	1,150.00	42.59
	0.00		0	1,150.00	42.59
	0.00		0	0.00	0.00
	0.00		0	0.00	0.00
	0.00		0	0.00	0.00

Disturbed Area	0.46	acres
Required Storage Multiple	67	cy/acre
Minimum Storage Required = 67 x 1.33 x 27		
MINIMUM STORAGE REQUIRED	832.14	c.f
TOTAL VOL. PROVIDED	1,150.00	c.f
CLEANOUT STORAGE REQUIRED	273.24	c.f
MIN. CLEANOUT ELEVATION	1043.63	feet

RIP RAP SCHEDULE

[illegible]

*D50 = AVERAGE STONE DIAMETER
REFER TO PIPE CHART FOR FLOW AND VELOCITY



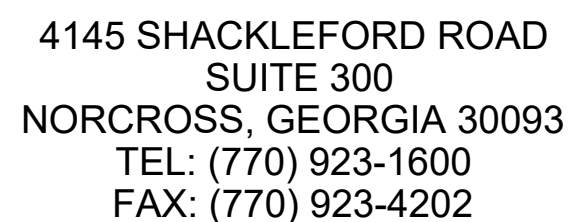
FILTER BEDDING STONE			
N.S.A. NO. ¹	SIZE, INCHES (SQUARE OPENING)		
	MAX.	AVG. ²	MIN. ³
FS-1	3/8	#30 MESH	#100 MESH
FS-2	2	#4	#100 MESH
FS-3	6-1/2	2-1/2	#16

GRADED RIP RAP STONE					
FLOW VELOCITY (FT./SEC.)	N.S.A. NO.1	SIZE, INCHES (SQUARE OPENING)			FILTER STONE N.S.A. NO.
		MAX.	AVG.	MIN.	
2.5	R-1	1-1/2	3/4	NO. 8	FS-1
4.5	R-2	3	1-1/2	1	FS-1
6.5	R-3	6	3	2	FS-2
9.0	R-4	12	6	3	FS-2
11.5	R-5	18	9	5	FS-2

1. NATIONAL STONE ASSOCIATION
2. AT LEAST 50% OF THE INDIVIDUAL STONE PARTICLES MUST BE EQUAL OR LARGER THAN THIS LISTED SIZE

2014

<div style="display: flex; justify-content: space-between;"> EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST STAND: ALLEMAN CONSTRUCTION PROJECTS </div> <div style="display: flex; justify-content: center;"> SWDC: GWINNETT COUNTY </div>															
Project Name: Canton Multi Tenant		Address: 4125 Marietta Highway													
City/County: Canton/Cherokee		Date on Plans: 06-3-2021													
Name & email of person filling out checklist: bthomas@thayesjames.com															
Plan Included		TO BE SHOWN ON ESD&P PLAN													
Page #	Y/N														
C-17	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 ESD&P 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 ESD&P Plan or the Plan will not be reviewed)													
N/A	N/A	<p>Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the GAEPD District Office. If ESD&P permits are required to exceed 50 acres or more at any one time, the Plan must include at least 4 of the BMPs listed in Appendix 1 to this checklist and the GAEPD approval letter. * (A copy of the written approval by GAEPD must be attached to the Plan for the Plan to be reviewed)</p>													
COVER	Y	4 The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.													
COVER	Y	5 Provide the name, address, email address, and phone number of primary permittee.													
COVER	Y	6 Note total and disturbed acreages of the project or phase under construction.													
C-10	Y	7 Provide the GPS location of the construction start site. Cite the Latitude and Longitude in decimal degrees.													
COVER	Y	8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.													
COVER	Y	9 Description of the nature of construction activity and existing site conditions.													
COVER	Y	10 Provide aerial map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.													
COVER	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.													
C-11	Y	12 Design professional's certification statement and signature that the site was visited prior to development of the ESD&P Plan as stated on Part IV page 19 of the permit.													
C-11	Y	13 Design professional's certification statement and signature that the permittee's ESD&P 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.													
COVER	Y	14 Clearly state the statement that "The design professional who prepared the ESD&P Plan is to inspect the installation of the erosion and sediment control measures and the construction of the approved BMPs within 7 days after installation." in accordance with Part IV a page 25 of the permit. *													
C-10	Y	15 Clearly state the statement that "Non-erosion activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of unrelated 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." *													
N/A	N/A	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.													
C-10	Y	17 Clearly state the statement that "Amendments/alterations to the ESD&P Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *													
C-10	Y	18 Clearly state the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *													
COVER	Y	19 Clearly state 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." *													
COVER	Y	20 Clearly state statement that "Erosion control measures will be maintained at all times. If 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." *													
COVER	Y	21 Clearly state the statement "If any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding." *													
C-13	Y	22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 mile upstream and down the stream watershed as, any portion of a Bios Integrated Stream Segment must comply with Part II, C. of the permit. Include the completed Appendix 1 listing all of the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *													
N/A	N/A	23 If a TMDL Implementation Plan for sediments has been finalized for the Impaired Stream Segment (identified in Item 22 above) at least six months prior to submit of NOI, the ESD&P Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *													
C-16	Y	24 BMPs for concrete washdown of trucks, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. *													
C-13	Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.													
C-13	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. *													
C-13	Y	27 Description of practices to provide cover for building materials and building products on site. *													
C-13	Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharges. *													
C-14	Y	29 Description of chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (a. initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).													
C-13	Y	30 Provide complete requirements of Inspections and record keeping by the primary permittee. *													
C-13	Y	31 Provide complete requirements of Sampling of Records and Reporting of sampling results. *													
C-13	Y	32 Provide complete details for Retention of Records as per Part IV.F. of the permit. *													
C-13	Y	33 Description of analytical methods to be used to collect and analyze the samples from each location. *													
C-11	Y	34 Appendix B rationale for NTU values at all outlet sampling points where applicable. *													
C-11	Y	35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged. *													
C10-12	Y	36 Adoption 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. *													
C-10	Y	37 Graphic scale and North arrow.													
C-10	Y	38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:													
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Map Scale</th> <th>Ground Slope</th> <th>Contour Intervals, ft.</th> </tr> </thead> <tbody> <tr> <td>1 inch = 100 ft or larger scale</td> <td>Flat to <2%</td> <td>0.5 or 1</td> </tr> <tr> <td></td> <td>2% to 6%</td> <td>1 or 2</td> </tr> <tr> <td></td> <td>Steeper 6% +</td> <td>2.5 or 10</td> </tr> </tbody> </table>		Map Scale	Ground Slope	Contour Intervals, ft.	1 inch = 100 ft or larger scale	Flat to <2%	0.5 or 1		2% to 6%	1 or 2		Steeper 6% +	2.5 or 10
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	2% to 6%	1 or 2													
	Steeper 6% +	2.5 or 10													
N/A	N/A	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 Documentation found at www.gawsc.org/georgia.gov .													
N/A	N/A	40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A of the Manual for Erosion & Sediment Control for ESD&P 2016 Edition. *													
N/A	N/A	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.													
N/A	N/A	42 Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.													
C10-11	Y	43 Delineation and acreage of contributing drainage basins on the project site.													
REPORT Y	Y	44 Provide hydrology study and maps of drainage basins for both pre- and post-developed conditions. *													
C-13	Y	45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.													
C-17	Y	46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.													
C-10	Y	47 Soil series for the project site and their delineation.													
C10-12	Y	48 The limit of disturbance for each phase of construction.													
C-17	Y	49 Provide a minimum of 67 cubic yards of sediment storage per acre designed using a temporary sediment basin, re-filled, dewatered, 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. Written justification 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 included for structural BMPs and all calculations used by the storage design professional to obtain the required sedimentation 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 feasible, a written justification explaining the decision to be included in the Plan.													
C10-12															



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LEVEL II: 11367 EXP: 05/27/2024

Project Title

CANTON STARBUCKS AND URGENT CARE

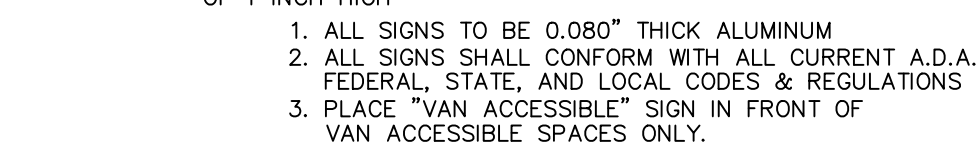
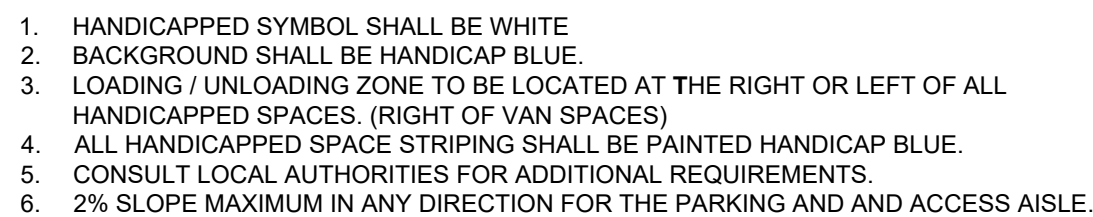
Project Location	
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City, State Zip	CANTON, GA 30114
Land Lot	160
District-Section	15
County	CHEROKEE
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Project No.	20-011-c
Drawn By:	RAR
Checked By:	SMB
Initial Issue Date:	06-03-2021

Sheet Title

ES & PC DETAILS 4

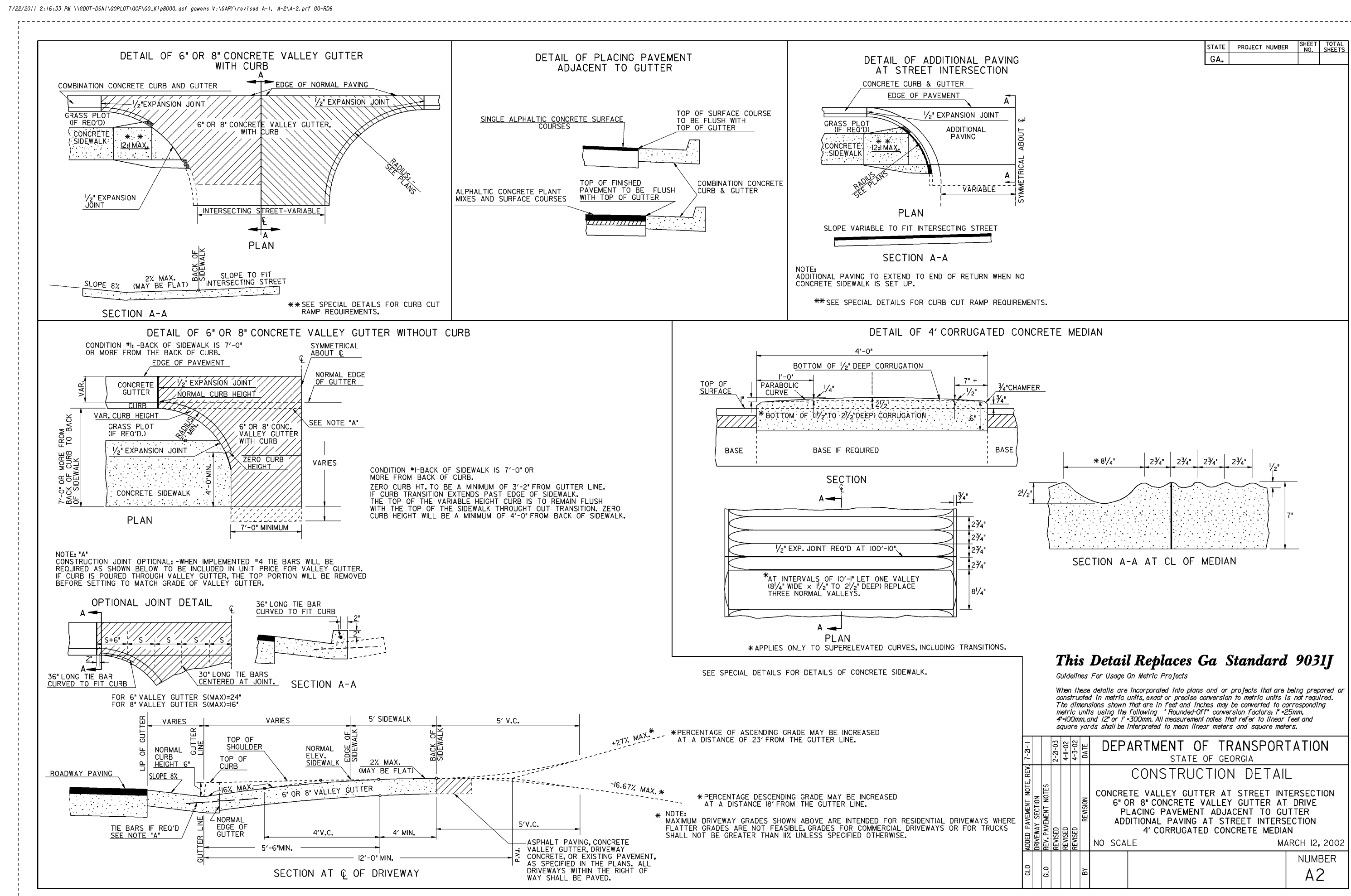
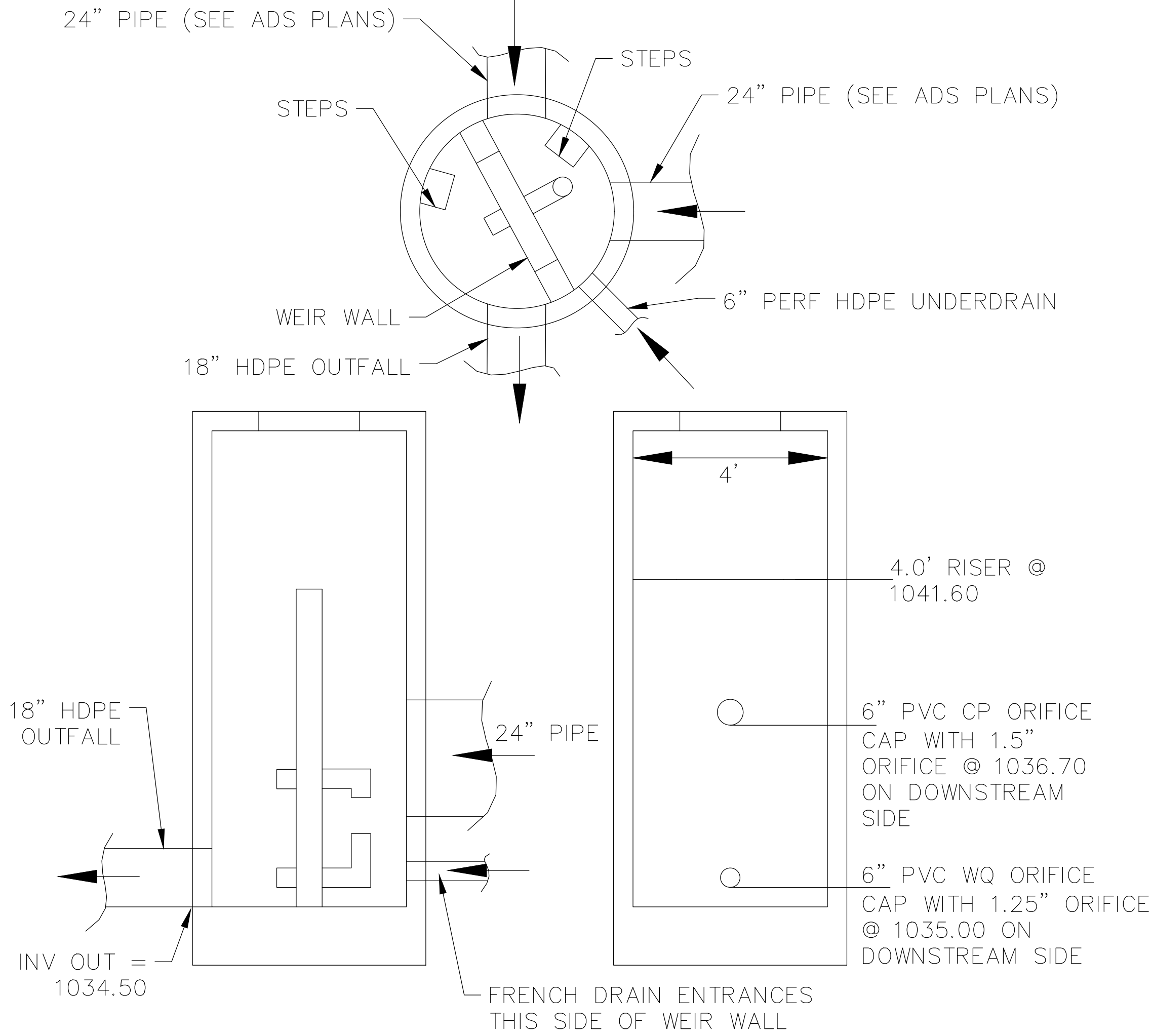
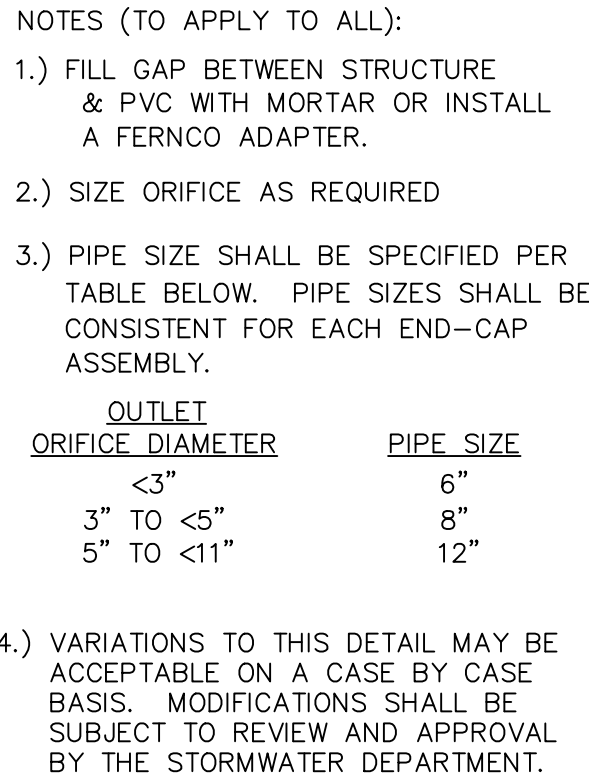
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N.T.S.





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Sheet Title

Sheet Number **C-20**

