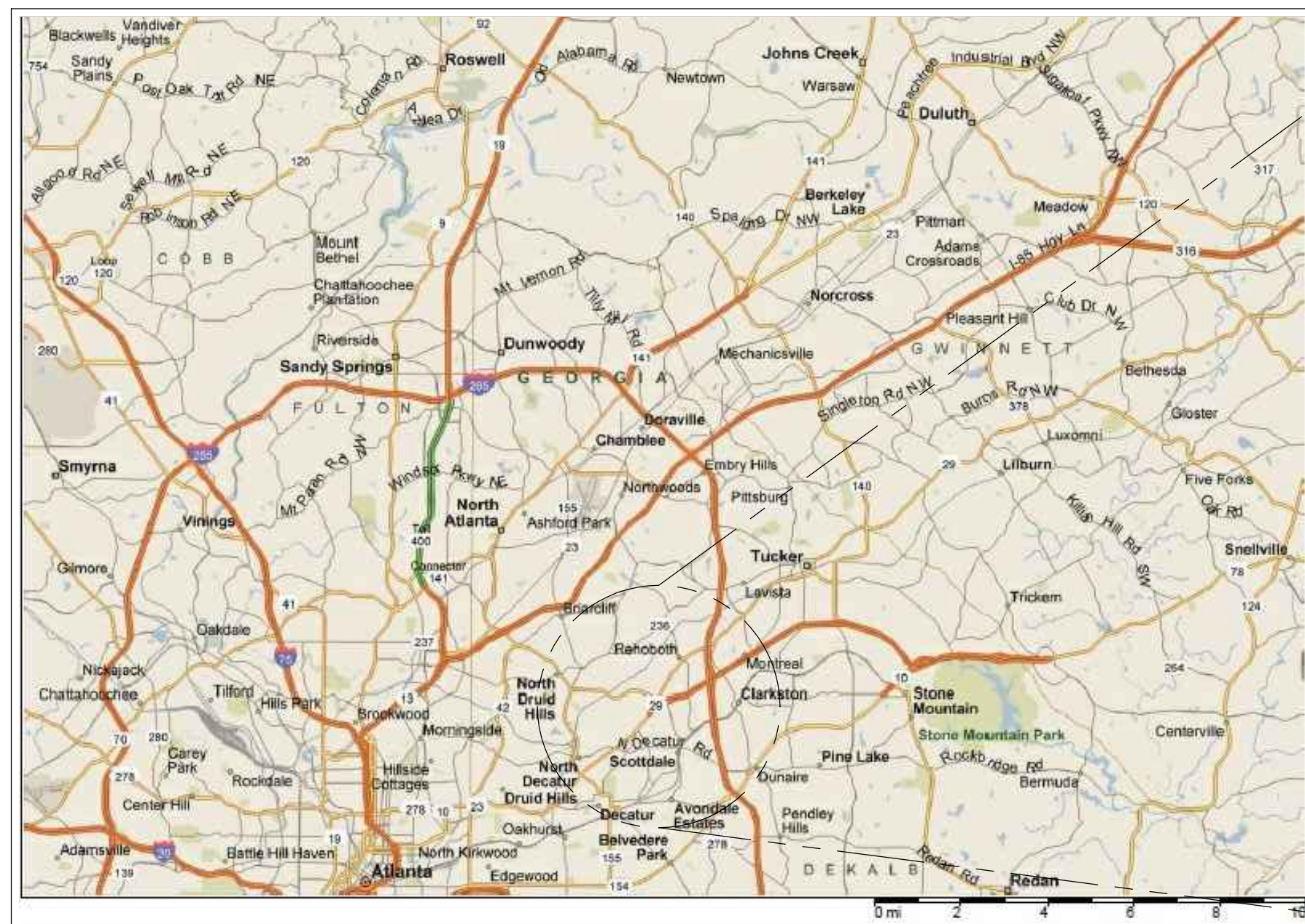
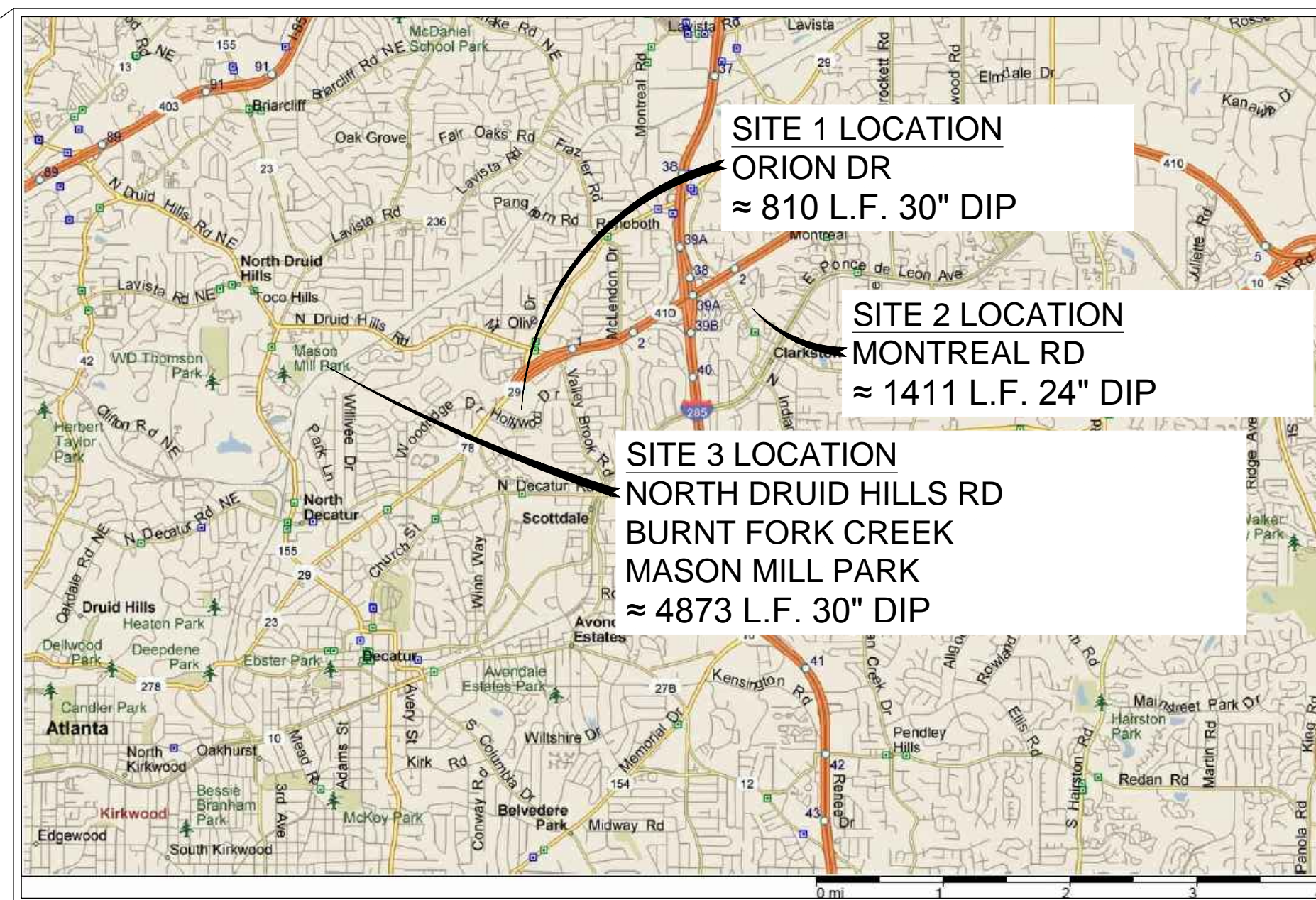


ENGINEERING PLANS & SPECIFICATIONS FOR DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT SOUTH FORK PEACHTREE CREEK SANITARY SEWER REPLACEMENT ISSUED FOR BID

SHEET INDEX



VICINITY MAP



LOCATION MAP

PROJECT SUMMARY

CHIEF EXECUTIVE OFFICER:

MIKE THURMOND

BOARD OF COMMISSIONERS:

NANCY JESTER - DISTRICT 1
JEFF RADER - DISTRICT 2
LARRY JOHNSON - DISTRICT 3
SHARON BARNES SUTTON - DISTRICT 4
MEREDA DAVIS JOHNSON - DISTRICT 5
KATHIE GANNON - DISTRICT 6
GREGORY ADAMS - DISTRICT 7

CONTACT:

DEKALB COUNTY
DEPARTMENT OF WATERSHED MANAGEMENT
1580 ROADHAVEN DRIVE
STONE MOUNTAIN, GA 30083
PHONE: (770) 621-7212
FAX: (770) 724-1407

PROJECT NARRATIVE:

AS PART OF DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT'S (DWM) ONGOING SEWER ASSESSMENT AND REHABILITATION PROGRAM AIMED AT REDUCING THE FREQUENCY OF SANITARY SEWER OVERFLOWS (SSO), THE SOUTH FORK PEACHTREE CREEK SANITARY SEWER BASIN WAS PRIORITIZED FOR MODELING AND ASSESSMENT. RESULTS OF THE ASSESSMENT REVEALED SEVERAL EXISTING SEGMENTS OF SANITARY SEWER WITH REVERSE GRADE CONDITIONS, AND THESE EXISTING SEGMENTS WERE PRIORITIZED FOR REPLACEMENT.

EXISTING SITE CONDITIONS:

SITE 1 IS LOCATED ON DEKALB COUNTY OWNED LITTLE CREEK FARM NEAR THE INTERSECTION OF ORION DRIVE AND LAWRENCEVILLE HIGHWAY (US 29, SR 78). THE ADJACENT PROPERTIES TO THIS LOCATION CONSIST OF RESIDENTIAL AND COMMERCIAL AREAS. THE EXISTING SITE IS A PASTURELAND WITH MEDIUM VEGETATION. THE STREAMBANK LIES WITHIN 20' OF THE EXISTING TRENCHED. THE EXISTING 30" REINFORCED CONCRETE PIPE (RCP) ROUTES THROUGH MILD FORESTATION WITH MULTIPLE STORM TRENCH CROSSINGS. THE PIPE IS REROUTED AT THE SOUTHERN END TO AVOID CONFLICTING WITH THE STREAMBANK.

SITE 2 IS LOCATED ADJACENT TO SOUTH FORK PEACHTREE CREEK NEAR THE INTERSECTION OF MONTREAL ROAD AND MONTREAL CREEK COURT. THE ADJACENT PROPERTIES TO THIS LOCATION CONSIST OF RESIDENTIAL AND COMMERCIAL AREAS. THE EXISTING SITE RUNS PARALLEL TO THE CREEK AND PRIVATE RESIDENTIAL PROPERTY. THE EXISTING 24" RCP ROUTES THROUGH DENSELY VEGETATED AREAS AND MULTIPLE STORM TRENCH CROSSINGS. THE STREAMBANK LIES WITHIN 20' OF THE EXISTING TRENCHED WITH EXPOSED PIPE AT THE NORTHERN END OF THE ALIGNMENT. THE PIPE IS REROUTED AT THE NORTHERN END TO AVOID CONFLICTING WITH THE STREAMBANK.

SITE 3 IS LOCATED ADJACENT TO BURNT FORK CREEK. THE EXISTING SITE RUNS PARALLEL TO THE CREEK THROUGH PRIVATE RESIDENTIAL PROPERTY AS WELL AS THROUGH CSX AND GEORGIA POWER PROPERTY. THE ALIGNMENT BEGINS NEAR THE INTERSECTION OF NORTH DRUID HILLS ROAD AND SPRING CREEK ROAD WITHIN PRIVATE RESIDENTIAL PROPERTY. AFTER TRAVERSING NORTH DRUID HILLS ROAD, THE ALIGNMENT RUNS PARALLEL TO THE CREEK THROUGH FORESTED DEKALB COUNTY OWNED PROPERTY AND NAVIGATES BETWEEN PRIVATELY OWNED MULTI-RESIDENTIAL HOMES BEFORE TYING INTO THE EXISTING SANITARY SEWER SYSTEM IMMEDIATELY NORTH OF SOUTH FORK PEACHTREE CREEK. THE EXISTING 30" RCP PIPE ROUTES THROUGH THICK VEGETATION AND MULTIPLE STREAM/STORM TRENCH CROSSINGS. THE PIPE IS REROUTED WITHIN CSX RIGHT-OF WAY, AND IS REROUTED BETWEEN THE MULTI-RESIDENTIAL HOMES TO AVOID EASEMENT ENCROACHMENTS ON THE EXISTING BUILDINGS.

PROPOSED SITE CONDITIONS:

ALL SANITARY SEWER REPLACEMENT WILL BE CONSTRUCTED UTILIZING THE SAME ROUTE AND ALIGNMENT AS THE EXISTING SYSTEM EXCEPT WHERE DESIGN CONDITIONS DICTATED CHANGES IN ALIGNMENT. THE EXISTING SYSTEM WILL BE REPLACED IN LINE USING TEMPORARY BYPASS PUMPING TO MAINTAIN CONTINUOUS WASTEWATER FLOW DURING CONSTRUCTION EXCEPT FOR BRIEF INTERRUPTIONS TO RECONNECT SERVICE LATERALS. CONTRACTOR TO COORDINATE WITH PROPERTY OWNERS ACCORDINGLY. IMPACTS TO THE SURROUNDING AREAS WILL BE KEPT TO A MINIMUM USING BEST MANAGEMENT PRACTICES (BMP).

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PROJECT SITE LOCATION					
SITE	SEGMENT	DISTRICT	LAND LOT	AREA OF DISTURBANCE	START END
1	ORION DRIVE	18	63 & 100	± 1.0 AC	N33.8039 N33.8051
					W84.2743 W84.2721
2	MONTREAL ROAD	18	118 & 119	± 2.2 AC	N33.8140 N33.8158
					W84.2437 W84.2398
3	NORTH DRUID HILLS ROAD	18	102 & 113	± 6.4 AC	N33.8063 N33.8136
	BURNT FORK CREEK	18	103		
	MASON MILL PARK	18	103		W84.3017 W84.2940

NOTE: PORTIONS OF THE DISTURBED AREA IS WITHIN THE 100 YEAR FLOOD HAZARD ZONE (REFERENCE FEMA FLOOD INSURANCE RATE MAPS (FIRM) 13089C0058J, 13089C0066J, 13089C0067J, & 13089C0078J, DATED MAY 16, 2013).

THE SITE WILL BE GRADED TO EXISTING GRADE AFTER SANITARY SEWER INSTALLATION AND FINISHED WITH GROUND COVER SIMILAR TO EXISTING CONDITIONS. THEREFORE, THE FLOOD INSURANCE RATE MAPS ARE NOT IMPACTED BY THIS PROJECT.



1841 PEELER RD.
UNIT C
ATLANTA, GA 30338
PHONE: (678) 336-5732
WWW.R2TINC.COM

DEKALB COUNTY
DEPARTMENT OF
WATERSHED
MANAGEMENT
DEKALB COUNTY, GEORGIA

SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
DISTRICT 18

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PROJECT:

REV	DATE	DESCRIPTION	INITIAL	ISSUE	REVIEW	COMMENTS
0	5/27/16					
1	12/9/16					

STAMP:



SHEET TITLE: 1 of 65

COVER

ISSUED: 5.27.16

PROJECT NO.

SCALE: NONE

CHKD BY: A.R.

DESIGNED BY: J.J.

DRAWN BY: J.J.

G-0



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UTILITIES PROTECTION CENTER
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(404) 325-5000
(metro Atlanta only)
IT'S THE LAW

LEGEND

SYMBOLS		LEGEND	
PL	PL		PROPERTY LINE
			RIGHT-OF-WAY
			CENTER LINE
			LOT LINE
			EDGE OF WATER
			BUFFER
			FLOODPLAIN
			SOIL DELINEATION
			EDGE OF PAVEMENT
			CURB & GUTTER
			FENCE (TREE PROTECTION)
			FENCE (SILT)
			FENCE (HORSE RATED)
			BUILDING
			EASEMENT (PERMANENT)
			EASEMENT (TEMPORARY)
			FORCE MAIN
			WATER MAIN
			SANITARY SEWER
			REJECT WATER MAIN
			CONCENTRATE MAIN
			IRRIGATION QUALITY WATER MAIN
			HIGH DENSITY POLYETHYLENE PIPE
			DRAINAGE (RCP)
			CONCRETE ENCASEMENT
			OVERHEAD ELECTRIC
			WATER SERVICE
			PVC PIPING
			UNDERGROUND ELECTRIC
			UNDERGROUND TELEPHONE
			UNDERGROUND CABLE
			MATCH LINE
			BRIDGE
			STORM INLET
			STORM MANHOLE
			SANITARY SEWER MANHOLE (ROADWAY)
			SANITARY SEWER MANHOLE (OUT OF ROADWAY)
			VENTED SANITARY SEWER MANHOLE (OUT OF ROADWAY)
			SANITARY SEWER LATERAL (SINGLE SERVICE)
			SANITARY SEWER LATERAL (DOUBLE SERVICE)
			WATER METER (SINGLE SERVICE)
			WATER METER (DOUBLE SERVICE)
			FIRE HYDRANT
			GATE VALVE
			REDUCER
			CHECK VALVE
			THRUST BLOCK
			CONCRETE
			EARTH
			GRAVEL/RIP-RAP
			SAND
			SOD
			WETLAND
			WETLAND BUFFER
			JACK & BORE/OPEN CUT
			PROPOSED PAVEMENT
			ABANDONED W/ FLOWABLE FILL
			EXISTING PIPE REMOVED
			REMOVE TREE
			PROVISIONAL TREE REMOVAL
			FENCE GATE OPENING (HORSE RATED)
			FENCE END POST (HORSE RATED)
			DRAINAGE FLOW ARROW (IMPERVIOUS AREA)
			DRAINAGE FLOW ARROW (PERVIOUS AREA)
			RESIDENTIAL STREET LIGHT
			BURIED UTILITY MARKER
			PROPOSED FINISH FLOOR ELEVATION
			PROPOSED LOT NUMBER
			SPOT ELEVATION
			SECTION TAG
			SECTION LOCATION
			DETAIL NUMBER
			DETAIL LOCATION

NOTE: THIS IS A STANDARD LEGEND AND ABBREVIATION SHEET.
NOT ALL SHOWN HEREON IS APPLICABLE TO DRAWING SET.

ABBREVIATIONS

CP	ASBESTOS CEMENT PIPE
ASPH	ASPHALTIC CONCRETE
BOC	BACK OF CURB
CB	CATCH BASIN
CIP	CAST IRON PIPE
CM	CONCRETE MONUMENT
CON	CONCENTRATE MAIN
CORR	CORRUGATED
DE	DRAINAGE EASEMENT
DIP	DUCTILE IRON PIPE
DR	DRIVEWAY
ELEC	ELECTRICAL
EL/ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EOW	EDGE OF WATER
EX/EXIST	EXISTING
FF	FINISH FLOOR
FH	FIRE HYDRANT
FM	FORCE MAIN
G	GAS MAIN
HOR	HORIZONTAL
HDPE	HIGH DENSITY POLYETHYLENE
INT	INTAKE
INV	INVERT
IQ	RECLAIM WATER/IRRIGATION
IRC	IRON ROD & CAP
LLL	LAND LOT LINE
LF	LINEAR FEET
MH	MANHOLE
MSDS	MATERIAL SAFETY DATA SHEET
NWI	NATIONAL WETLAND INVENTORY
OFF	OFFSET
OC	ON CENTER
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE
PV1	POINT OF VERTICAL INTERSECTION
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT-OF-WAY
RWM	REJECT WATER MAIN
SD	STORM DRAIN
SS/SAN	SANITARY SEWER
SSE	SANITARY SEWER EASEMENT
SW	SIDEWALK
TOB	TOP OF BANK
TOC	TOP OF CURB
UC	UNDERGROUND CABLE
UGE	UNDERGROUND ELECTRIC
UE	UTILITY EASEMENT
UFP	UNDERGROUND FIBER OPTICS
UT	UNDERGROUND TELEPHONE
VCP	VITRIFIED CLAY PIPE
WM	WATER MAIN
WS	WATER SERVICE
WV	WATER VALVE
WQ	WATER QUALITY

DEKALB COUNTY NOTES

1. ALL CONSTRUCTION FOR WATER, SEWER, FIRE LINES, LIFT STATIONS AND BACKFLOW PREVENTION SHALL COMPLY WITH DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT DESIGN STANDARDS 2009 EDITION, VERSION 1.0. ACTUAL FIELD CONDITIONS COULD DICTATE MORE STRINGENT REQUIREMENTS IF DEEMED NECESSARY BY THE CONSTRUCTION INSPECTOR.
2. TO PURCHASE A COPY OF THE DESIGN STANDARDS, PLEASE CALL (770) 414-2383 OR (770) 621-7272.
3. CONTRACTOR SHALL PROVIDE RECORD DRAWINGS "AS-BUILT PLANS" SIGNED AND SEALED BY A GA REGISTERED LAND SURVEYOR, AND "FINAL PLANS" (IF APPLICABLE) IN HARD COPY AND ELECTRONIC (AUTOCAD OR MICROSTATION FORMAT), AS WELL AS RECORD ALL EASEMENTS THAT WILL BE DEDICATED TO DEKALB COUNTY IN THE COURTHOUSE, PRIOR TO APPROVAL OF AS-BUILT PLANS.
4. FIRE LINES, F.O.G., BACKFLOW PREVENTION, AND LIFT STATIONS REQUIRE A SEPARATE REVIEW.
5. FIELD CHANGES DURING CONSTRUCTION MUST BE SUBMITTED FOR REVIEW & APPROVAL TO THE COUNTY ENGINEER.
6. CONTRACTOR MUST NOTIFY WATER & SEWER CONSTRUCTION INSPECTOR AT LEAST 72 HOURS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.

DEFINITIONS

1. OWNER - DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT (DCDWM) FOR ALL WATER AND SANITARY SEWER INFRASTRUCTURE
2. CONTRACTOR - UTILITY CONTRACTOR
3. SUBCONTRACTOR - UTILITY, PAVING, AND ALL OTHER CONSTRUCTION SUBCONTRACTORS

PROCEDURE

1. THE CONTRACTOR SHALL FURNISH ALL MATERIALS FOR, AND PROPERLY RESTORE ALL PAVEMENT, DRIVES, SIDEWALKS, FENCES, CURBS, AND OTHER EXISTING ITEMS WHICH MAY HAVE BEEN DAMAGED, REMOVED OR DISTURBED AS A RESULT OF ACCOMPLISHING THE WORK. SIGNS AND MAIL BOXES REMOVED OR DAMAGED SHALL BE REPLACED IN KIND AT NO ADDITIONAL COST TO OWNER. CONTRACTOR IS RESPONSIBLE FOR REPLACING ITEMS TO EXISTING CONDITIONS REGARDLESS IF THEY ARE IDENTIFIED ON THE DRAWINGS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY GRADES AND DIMENSIONS AND TO NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO PERFORMING HIS WORK.
3. EXISTING UTILITY LOCATIONS SHOWN ARE BASED ON SURFACE OBSERVATION AND LIMITED DETECTION SERVICES AND ARE FOR INFORMATIONAL PURPOSES ONLY. NOT ALL EXISTING UTILITIES ARE SHOWN ON THE DRAWING.
4. CONTRACTOR IS RESPONSIBLE FOR DETERMINING BOTH THE EXACT LOCATION OF ALL UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS OPERATIONS WITH ALL UTILITIES WHICH MAY BE EXISTING AND MAY BE IN CONFLICT WITH HIS WORK.
5. ALL WORK AROUND THE EXISTING UTILITIES AND UTILITY STRUCTURES WHETHER ABOVE OR BELOW GROUND SHALL BE PERFORMED IN A MANNER THAT WILL AVOID DAMAGE TO THE UTILITIES AND STRUCTURES. PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL ACCURATELY LOCATE ABOVE AND BELOW UTILITIES WHICH MAY BE AFFECTED BY THE WORK AND PROTECT ALL UTILITIES NOT DESIGNATED FOR REMOVAL, RESTORATION, OR REPLACEMENT IN THE COURSE OF CONSTRUCTION. PROVIDE SEVENTY-TWO (72) HOURS OF ADVANCE NOTICE, EXCLUDING HOLIDAYS AND WEEKENDS, TO THE UTILITY OWNER AND DEKALB COUNTY PRIOR TO BEGINNING CONSTRUCTION IN THE VICINITY OF THE EXISTING UTILITIES. FOR EXISTING UTILITY LOCATION ASSISTANCE CALL THE UNDERGROUND UTILITIES PROTECTION CENTER (UPC) AT 1-800-282-7411.
6. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY THE CONTRACTOR, CONTRACTOR'S CREW AND/OR EQUIPMENT SHALL BE THE CONTRACTOR'S COST AND RESPONSIBILITY TO REPLACE PER OWNER'S STANDARDS AND SPECIFICATIONS.
7. THIS PROJECT IS IN THE VICINITY OF GEORGIA POWER COMPANY POWER POLES AND POWER LINES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT UPC SEVENTY-TWO HOURS IN ADVANCE, EXCLUDING HOLIDAYS AND WEEKENDS, TO OBTAIN AN OVERHEAD LOCATE REQUEST PRIOR TO WORKING ADJACENT TO THE POWER LINES AND POLES.
8. THE CONTRACTOR SHALL COMPLY WITH ALL RULES AND REGULATIONS OF THE GEORGIA UTILITY FACILITY PROTECTION ACT, O.C.G.A. TITLE 25 CHAPTER 9 AND THE GEORGIA OVERHEAD UTILITY PROTECTION ACT.
9. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN TEMPORARY BYPASS SEWERS TO MAINTAIN CONTINUOUS AND RELIABLE WASTEWATER FLOW DURING CONSTRUCTION.
10. SEWER MAINS SHALL MAINTAIN EIGHTEEN (18) INCHES VERTICAL CLEARANCE FROM POTABLE PIPELINES AND TWENTY-FOUR (24) INCHES VERTICAL CLEARANCE FROM ANY EXISTING GAS MAIN. (MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE).
11. SEWER MAINS SHALL MAINTAIN THIRTY-SIX (36) INCHES VERTICAL CLEARANCE FROM ANY EXISTING PERPENDICULAR CROSSING OF GRAVITY AND FORCE MAINS (MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE).
12. SEWER MAINS SHALL MAINTAIN TEN (10) FEET HORIZONTAL CLEARANCE FROM ANY BUILDING, STRUCTURE WATER MAIN OR OTHER UTILITY WHEN PRACTICAL.
13. BOLT DOWN MANHOLE COVERS ARE TO BE USED FOR ALL MANHOLES LOCATED WITHIN THE ONE HUNDRED (100) YEAR FLOODPLAIN.
14. ALL MANHOLES OUTSIDE OF PAVED AREAS SHALL BE A MINIMUM OF TWENTY-FOUR (24) INCHES ABOVE GROUND LEVEL.
15. THE PROJECT SHALL BE IN ACCORDANCE WITH THE APPROVED SET OF CONSTRUCTION PLANS, AND AT LEAST ONE COPY OF THE DCDWM DESIGN STANDARDS, 2009 EDITION, V1.0 SHALL BE ON THE JOB SITE AT ALL TIMES THAT CONSTRUCTION IS UNDER WAY.
16. ALL EROSION AND SEDIMENTATION CONTROLS AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBANCE ACTIVITY.
17. HAUL OPERATIONS SHALL NOT BE PERMITTED DURING PEAK TRAFFIC PERIODS AS DEFINED BY DCDWM. CONTRACTOR SHALL COORDINATE AND OBTAIN APPROVAL OF THE HAULING OPERATION SCHEDULE AND OPERATIONS WITH DEKALB COUNTY AND GEORGIA DEPARTMENT OF TRANSPORTATION.
18. THE REFUSE RESULTING FROM THE CLEARING AND/OR DEMOLITION SHALL BE HAULED TO A DISPOSAL SITE SECURED BY THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL REQUIREMENTS OF THE GEORGIA DEPARTMENT OF ENVIRONMENTAL REGULATION. NO DEBRIS OF ANY KIND SHALL BE DEPOSITED IN ANY STREAM OR BODY OF WATER, OR IN ANY STREET OR ALLEY. NO DEBRIS SHALL BE DEPOSITED UPON ANY PRIVATE PROPERTY EXCEPT BY WRITTEN CONSENT OF THE PROPERTY OWNER. IN NO CASE SHALL ANY MATERIAL BE LEFT ON THE PROJECT, SHOVED ONTO ADJUTING PRIVATE PROPERTIES, OR BE BURIED IN THE EMBANKMENTS OR TRENCHES ON THE PROJECT.
19. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES & TRAFFIC CONTROL DEVICES NEEDED FOR THIS PROJECT. NO OPEN TRENCHES ARE ALLOWED TO BE UNATTENDED ON THIS PROJECT AT ANY TIME. IN THE EVENT THE TRENCH WILL REQUIRE BEING OPEN, IT SHALL BE PROPERLY COVERED FOR BOTH VEHICULAR AND PEDESTRIAN TRAFFIC AND SAFETY AND APPROVED BY DEKALB COUNTY. THE CONTRACTOR SHALL PROVIDE THE PROPER COVER AND BARRICADES THAT MEETS ALL LOCAL, STATE AND FEDERAL REQUIREMENTS FOR BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.
20. ALL EXCAVATIONS SHALL BE ADEQUATELY SHORED TO ENSURE WORKER SAFETY. ALL PIPE LAYING OPERATIONS SHALL COMPLY WITH OSHA REQUIREMENTS FOR TRENCH SAFETY.
21. ALL SUBSURFACE FEATURES SHOWN ARE APPROXIMATE AND BASED ON LIMITED SUB-SURFACE EXPLORATIONS. THE CONTRACTOR AT HIS EXPENSE SHALL CONDUCT ADDITIONAL SUBSURFACE SOIL AND STRUCTURE EXPLORATION IF DEEMED NECESSARY.
22. THE PROJECT CONSTRUCTION SITE IS ADJACENT TO ACTIVE ROADWAYS AND BUSINESSES. ALL CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED IN SUCH A MANNER THAT WILL PROVIDE THE ACCEPTABLE LEVELS OF SAFETY AND MAINTENANCE OF UTILITIES, ROADWAY, TRAFFIC, DRIVEWAY, SIDEWALKS, ETC. TO ALL OWNERS. DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT AND ALL BUSINESSES, THE CONTRACTOR SHALL AT ALL TIMES PROTECT ALL UTILITY SERVICES AND DRIVEWAY ACCESS TO, SUCH AS BUT NOT LIMITED TO, BUSINESSES, FIRE PROTECTION PERSONNEL, VEHICLES, AND ALL OTHER VEHICULAR AND PEDESTRIAN TRAFFIC, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES THAT OCCUR AS A RESULT OF CONSTRUCTION ACTIVITIES.
23. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL ROAD OPENING AND ROAD CLOSURE PERMITS FROM THE DEKALB COUNTY DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION AT 770-492-5259. THE CONTRACTOR SHALL COORDINATE, OBTAIN APPROVAL, AND PROVIDE TEMPORARY TRAFFIC ROUTING PLANS PRIOR TO ANY LANE CLOSURES WITH THE DEKALB COUNTY DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION.
24. ALL CONSTRUCTION ACTIVITIES REQUIRING LANE CLOSURE SHALL BE COMPLETED DURING WEEKENDS, EXCLUDING HOLIDAYS, BETWEEN 5:00 P.M. FRIDAY AND 5:00 A.M. MONDAY MORNING OR AS COORDINATED WITH APPLICABLE PERMITTING AGENCY. ALL LANE CLOSURES SHALL BE CLOSELY COORDINATED WITH DEKALB COUNTY DEPARTMENT OF PUBLIC WORKS TRANSPORTATION DIVISION OR THE GEORGIA DEPARTMENT OF TRANSPORTATION, AS APPLICABLE.
25. WORKING HOURS SHALL BE BETWEEN MONDAY - FRIDAY 7:30 A.M. TO 5:00 P.M. UNLESS PRIOR APPROVAL IS GRANTED BY DCDWM. WORK WITH ROADWAY TRAVEL LANES SHALL BE BETWEEN 9:00 AM MONDAY MORNING AND 4:00 P.M. FRIDAY AFTERNOON.
26. ALL SALVAGEABLE METAL MATERIAL, SUCH AS BUT NOT LIMITED TO, FIRE HYDRANTS, MANHOLE FRAMES AND COVERS, SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE CLEANED AND STORED ON THE OWNER'S PROPERTY AS DIRECTED BY THE OWNER. ALL OTHER MATERIALS WHICH ARE NOT DELIVERED TO THE OWNER'S PROPERTY SHALL BE THE PROPERTY OF THE CONTRACTOR'S RESPONSIBILITY TO DEMOLISH AND DISPOSE OF PER DEKALB COUNTY STANDARDS AND REQUIREMENTS. ALL DEMOLISHED STRUCTURES, EQUIPMENT AND MATERIALS SHALL BE REMOVED FROM THE WORK SITE BY THE CONTRACTOR. ALL DEMOLISHED STRUCTURES, EQUIPMENT AND MATERIALS WHICH ARE EITHER LEFT IN PLACE OR REMOVED TO THE DISPOSAL SITE SHALL BE IN A NON-HAZARDOUS CONDITION. CONTRACTOR TO MAINTAIN CLEANLINESS OF SITE TO SATISFACTION OF INSPECTOR. CONTRACTOR TO NOTIFY INSPECTOR AT LEAST SEVENTY-TWO (72) HOURS IN ADVANCE OF IMPACTING PRIVATE PROPERTY.
27. CONTRACTOR TO PROVIDE VERIFICATION OF NOTIFICATION OF ALL PROPERTY OWNERS AFFECTED BY OFF-SITE WORK. A MINIMUM OF 48 HOURS NOTICE SHALL BE PROVIDED.
28. FINISHED GRADING OF THE DISTURBED AREA SHALL BE RESTORED TO ORIGINAL GRADE, NO STANDING WATER, ROADWAY OR ANY KIND IS ALLOWED. ALL DISTURBED AREAS SHALL BE IMMEDIATELY STABILIZED OR GRASSED AS INDICATED.
29. KNOWN SERVICE LATERALS ARE SHOWN ON PLANS. CONTRACTOR SHALL LOCATE ALL SERVICE LATERALS PRIOR TO EXCAVATION. CONNECTION OF SERVICE LATERALS AND SEWER MAIN SHALL BE REBUILT IMMEDIATELY AFTER THE ACCEPTANCE OF THE PROPOSED PIPE. CONTRACTOR TO COORDINATE CONSTRUCTION WITH PROPERTY OWNER FOR TIMES OF SERVICE INTERRUPTION.
30. NO PERMANENT STRUCTURES SHALL BE CONSTRUCTED WITHIN THE PERMANENT SANITARY SEWER EASEMENT.
31. PRIOR TO INITIATING CONSTRUCTION ACTIVITIES, CONTRACTOR SHALL STAKE MANHOLE LOCATIONS AND CONTACT THE UTILITY SITE VISIT WITH OWNER AND CITY ARCHITECT TO CONFIRM ALL TREES TO BE REMOVED.
32. ALL WORK DONE ON THE SITE MUST BE COORDINATED WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION AREA 1 OFFICE AT LEAST SEVENTY-TWO (72) HOURS IN ADVANCE OF THE PLANNED CONSTRUCTION.
33. NO DEBRIS SHALL BE DEPOSITED UPON ANY PRIVATE PROPERTY EXCEPT BY WRITTEN CONSENT OF THE PROPERTY OWNER NOR WITHOUT PROPERLY ISSUED DEKALB COUNTY PERMITS.



1841 PEELER RD.
UNIT C
ATLANTA, GA 30338
PHONE: (678) 336-5732
WWW.R2TINC.COM

**DEKALB COUNTY
DEPARTMENT OF
WATERSHED
MANAGEMENT**
DEKALB COUNTY, GEORGIA

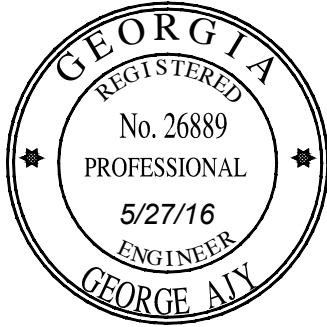
T: SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
ND LOTS 63, 100, 102, 103, 113, 118, & 119

LAND LOTS 63, 100, 102, 103, 113, 118, & 119
© 2010 B2T INC DISTRICT 18

© 2010 R2T INC.
DISTRICT 18

REV	DATE	DESCRIPTION
0	5/27/16	INITIAL ISSUE
1	12/9/16	REVIEW COMMENTS

STAMP:



SHEET TITLE: 2 of 65

LEGEND, ABBREVIATIONS & GENERAL NOTES

ISSUED: 5.27.16

PROJECT NO.

SCALE: NONE

CHKD BY: A.R.

G-1

P:\Detail Demand Services\Task 14.1 - S. Fork Sewer Segments\Task 3 Detailed Design\Design G-4.dwg, PRINTED BY: Jonathan Jones ON: Mon, Dec 05 2016 AT 11:19 AM

NOTES

1. ALL SAW CUTTING, PRESSURE TESTING, AND ALL MISCELLANEOUS CONCRETE QUANTITIES (THRUST BLOCKS, CONCRETE CAPS) ARE INCLUDED IN THE SEWER MAIN INSTALLATION PRICE.
2. CONTRACTOR SHALL PROVIDE ALL ITEMS REQUIRED FOR THE COMPLETE INSTALLATION OF THE PROPOSED PIPELINE, WHETHER OR NOT SUCH ITEMS ARE SHOWN OR CALLED OUT ON THE PLANS. THE CONTRACTOR SHALL NOT RECEIVE ANY ADDITIONAL PAYMENT OR TIME EXTENSION FOR ITEMS NOT BEING SHOWN IN PLANS OR FOR FIELD ADJUSTMENTS MADE DUE TO ACTUAL SUBSURFACE CONDITIONS AND UTILITY LOCATION.

SEWER MAIN REPLACEMENT QUANTITIES			
ITEM NO.	ITEM	UNIT	QTY.
004-0022	COORDINATE SITE RESTORATION	LS	\$100,000
163-0001	EROSION CONTROL PER SEWER MAIN DRAWINGS	LS	1
207-0203	FOUNDATION BACKFILL MATERIAL, TYPE II	CY	4500
207-2003	IMPERFECT TRENCH BACKFILL MATERIAL, TYPE III	CY	500
402-3130	RECYCLED ASPHALTIC CONCRETE, 12.5MM SUPERPAVE, GP 2	TN	2
432-0208	MILL ASPH CONC PVMT, 2" DEPTH	SY	80
441-0104	CONCRETE SIDEWALK, 4"	SY	10
444-1000	SAWED JOINTS IN EXIST PAVEMENTS, PCC	LF	200
500-3101	CLASS A CONCRETE	CY	340
610-0100	REMOVED BARBED WIRE FENCE	LF	72
610-0200	REMOVE CHAINLINK FENCE	LF	211
610-0300	REMOVE WOOD FENCE	LF	94
610-0400	REMOVE FENCE MOW STRIP	LF	116
610-1055	REMOVE GUARDRAIL	LF	120
610-1075	REMOVE GUARDRAIL ANCHORAGE	EA	12
610-1700	REMOVE SANITARY SEWER PIPE	LF	7541
610-6625	REMOVE SANITARY SEWER MANHOLE	EA	26
610-9100	REMOVE BRICK PIPE SUPPORT	EA	4
611-4890	RESET FENCE	LF	378
611-5300	RESET GUARDRAIL	EA	120
611-5320	RESET GUARDRAIL ANCHORAGE	LF	12
615-1000	JACK AND BORE PIPE	LF	1134
643-8210	HORSE RATED FENCE	LF	650
643-8220	HORSE RATED GATE	EA	3
660-0808	SANITARY SEWER PIPE, 8" DUCTILE IRON	LF	20
660-0824	SANITARY SEWER PIPE, 24" DUCTILE IRON	LF	1411
660-0830	SANITARY SEWER PIPE, 30" DUCTILE IRON	LF	5681
660-1150	CUT & PLUG EXISTING SEWER MAIN	EA	8
660-3275	ABANDON MANHOLE	EA	9
668-3300	SANITARY SEWER MANHOLE, TYPE 1, RESIN CONCRETE	EA	38
668-9000	MANHOLE VENT	EA	7
670-9290	STEEL CASING, 42"	LF	1134
-	CSX TRAFFIC CONTROL	DAYS	15
-	BURIED UTILITY MARKER	EA	2

1

SUMMARY OF QUANTITIES



1841 PEELER RD.
UNIT C
ATLANTA, GA 30338
PHONE: (678) 336-5732
WWW.R2TINC.COM

CLIENT:

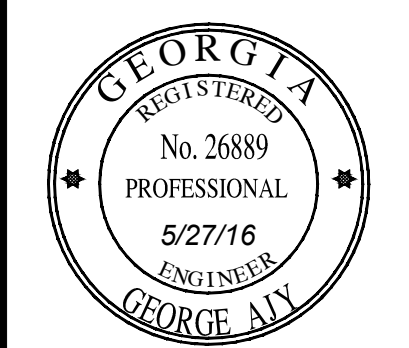
DEKALB COUNTY
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DEKALB COUNTY, GEORGIA

PROJECT:

SOUTH FORK
PEACHTREE CREEK
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REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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SHEET TITLE: 5 of 65

SUMMARY OF QUANTITIES

ISSUED: 5.27.16

PROJECT NO.

SCALE: NONE

CHKD BY: A.R.

DESIGNED BY: J.J.

DRAWN BY: J.J.

G-4

LEGEND

	CURB AND GUTTER (C&G)		CATCH BASIN (DWCB)		IRRIGATION CONTROL VALVE (ICV)		CONCRETE AREA
	FENCE		CATCH BASIN (SWCB)		FIRE HYDRANT (FH)		ASPHALT AREA
	STORM DRAIN LINE		DROP INLET (DI)		WATER VALVE (WV)		GRAVEL AREA
	SANITARY SEWER		JUNCTION BOX (JB)		WATER METER (WM)		BRICK AREA
	WATER LINE		HEAD WALL (HW)		FIRE DEPT. CONNECTION (FDC)		TREELINE
	GAS LINE		CURB INLET (CI)		WATER VALVE MARKER		PICTURE LOCATION
	UNDERGROUND POWER LINE		FLARED END SECTION (FES)		TRANSFORMER BOX (TX)		
	OVERHEAD POWER LINE		OUTLET CONTROL STRUCTURE		AIR CONDITIONER (AC)		
	UNDERGROUND COMMUNICATION		SS MANHOLE (MH)		ELECTRIC METER (EM)		
	TOPOGRAPHIC CONTOUR		CLEANOUT (CO)		ELECTRIC UTILITY		
	PROPERTY LINE		GREASE TRAP (GT)		LIGHT POLE (LP)		
					SPOT ELEVATION		

UTILITY NOTES

THE UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON LOCATION OF MARKINGS PROVIDED BY:

UTILISURVEY, LLC.
514 DUNEILLA LANE
PEACHTREE CITY, GA. 30269
PHONE: 404-312-6912
ATTENTION: HANS Wonneberger

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THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. UNDERGROUND UTILITIES NOT OBSERVED OR LOCATED UTILIZING THIS TECHNIQUE MAY EXIST ON THIS SITE BUT ARE NOT SHOWN, AND MAY BE FOUND UPON EXCAVATION. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

INFORMATION REGARDING MATERIAL AND SIZE OF UTILITIES IS BASED ON RECORDS ACQUIRED FROM THE UTILITY OWNERS.

UTILITY PROVIDERS

GAS	COMMUNICATION
ATLANTA GAS LIGHT COMPANY AGL 10 PEACHTREE STREET NE ATLANTA, GA 30309 MARTIN MAREK (404) 584-4126	AT&T (404) 216-7772 KEN RECTOR COMCAST (770) 559-6879 SANDRA ANDREWS
POWER	LEVEL 3 COMMUNICATIONS, INC 1025 ELDORADO BOULEVARD BROOMFIELD, CO 80021 (877) 366-8344 EXT. 3
GEORGIA POWER COMPANY 823 JEFFERSON STREET ATLANTA, GA 30318 (404) 506-4569 IKE COLLINS	VERIZON / MCI 2400 N GLENVILLE RICHARDSON, TX 75082 (478) 471-1042 DENNIS RAINEY
WATER	XO / AGLN 10 PEACHTREE PLACE NE ATLANTA, GA 30309 (770) 901-9160
CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT 651 14TH STREET ATLANTA, GA 30318 (404) 530-6600 JAMES BOSTWICK	

SURVEYOR'S CERTIFICATE

THIS SURVEY WAS PREPARED IN CONFORMITY WITH THE TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN CHAPTER 180-7 OF THE RULES OF GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN THE GEORGIA PLAT ACT O.C.G.A. 15-6-67, AUTHORITY O.C.G.A. SECS. 15-6-67, 43-15-4, 43-15-6, 43-15-19, 43-15-22.

WILLIAM C. WOHLFORD, JR., RLS
REGISTERED NUMBER: 2577

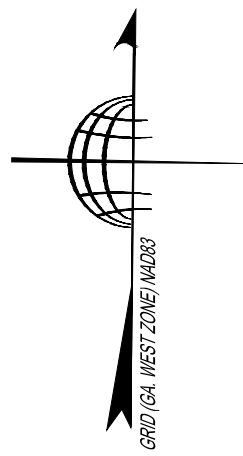
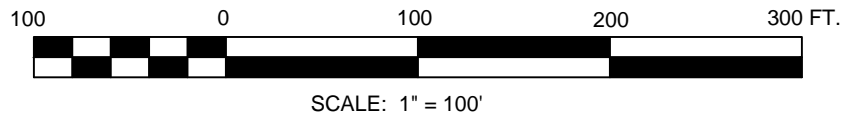
SURVEYOR'S CERTIFICATE

TO:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA / ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 6(1), 7(a), 7(b), 7(c), 8, 9, 10, 11(a), 13, 14 & 16 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON _____, 2014.

THE ORIGINAL OF THIS DOCUMENT
WAS SEALED AND SIGNED BY
PAUL B. CANNON, GA. RLS #2928
**THIS REPRODUCTION IS NOT A
CERTIFIED COPY**

WILLIAM C. WOHLFORD, JR., RLS
REGISTERED NUMBER: 2577



ABBREVIATIONS

A	ARC LENGTH	IPS	IRON PIN SET (CAPPED)
AC	ACRE	N/F	NOW OR FORMERLY
AE	ACCESS EASEMENT	OTP	OPEN TOP PIPE
BSL	BUILDING SETBACK LINE	PS	PLAT BOOK
BW	BARB WIRE	PG	PAGE
CH	CHORD LENGTH	POB	POINT OF BEGINNING
CLF	CHAINLINK FENCE	POC	POINT OF COMMENCEMENT
OMP	CORRUGATED METAL PIPE	R	RADIUS LENGTH
CONC	CONCRETE	R/W	RIGHT OF WAY
CTP	CRIMP TOP PIPE	R/W MON	RIGHT OF WAY MONUMENT
DB	DEED BOOK	RB	REBAR
DIP	DUCTILE IRON PIPE	RCP	REINFORCED CONCRETE PIPE
FDC	FIRE DEPARTMENT CONNECTION	SDE	STORM DRAINAGE EASEMENT
FND	FOUND	SQ. FT.	SQUARE FEET
HDPE	HIGH DENSITY POLYETHYLENE PIPE	SSE	SANITARY SEWER EASEMENT
IPF	IRON PIN FOUND	VCP	VITRIFIED CLAY PIPE

TREE LEGEND
(ABBREVIATIONS)

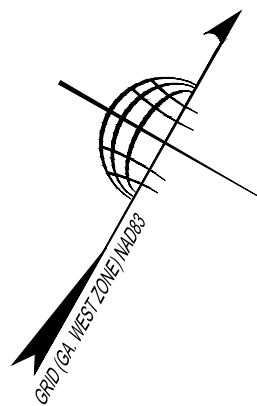
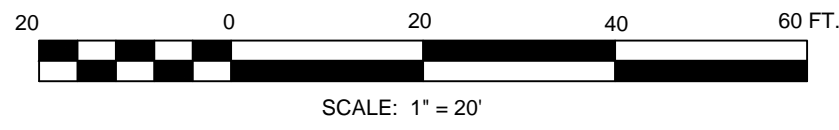
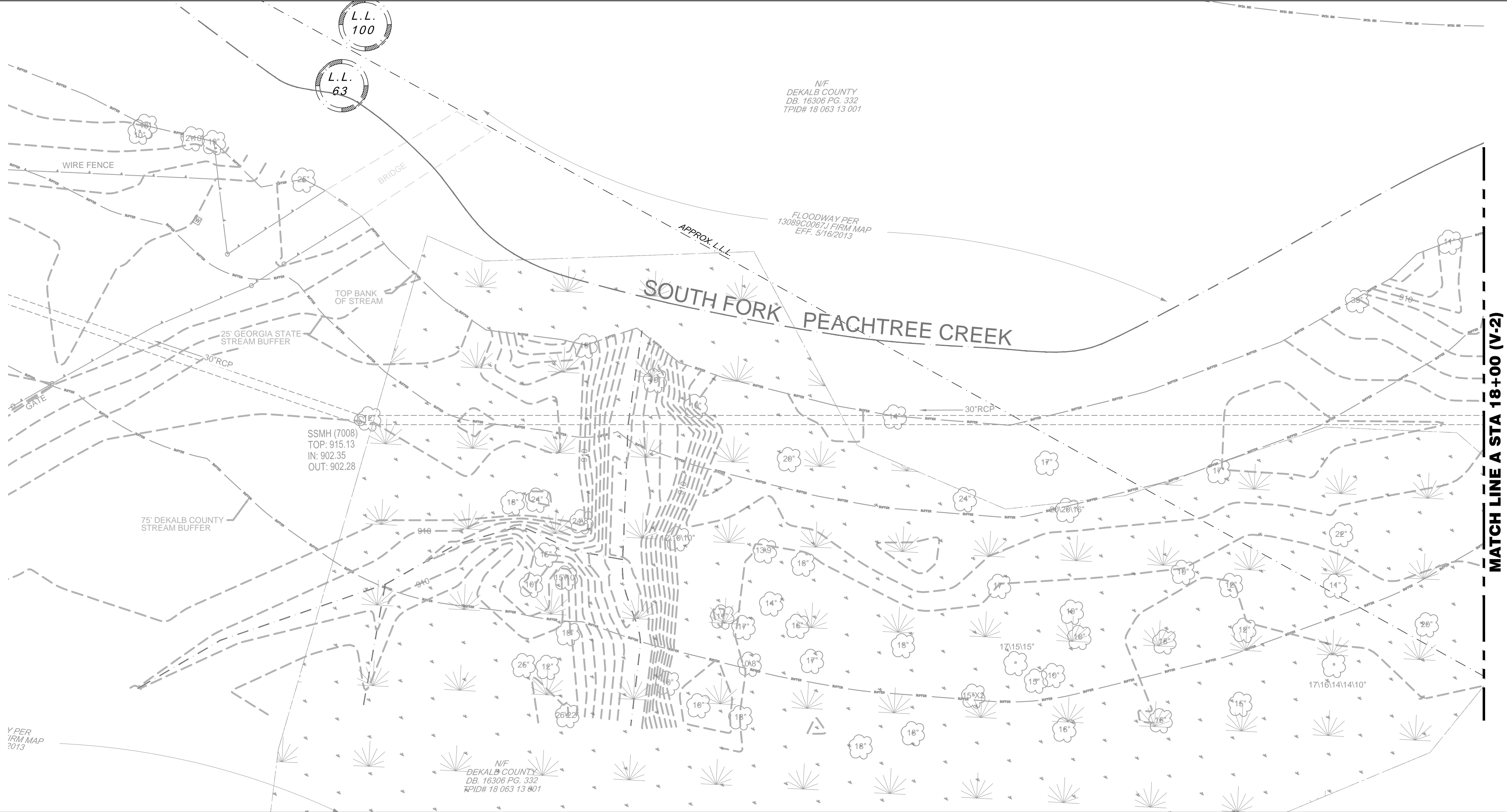
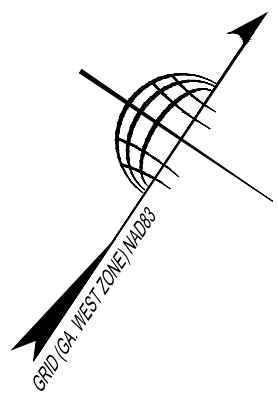
	DECIDUOUS (TREE)	BRC	BIRCH	HLV	HOLLY
		BCH	BEECH	HW	HARDWOOD
		CM	CRAPE MYRTLE	MAG	MAGNOLIA
		CRY	CHERRY	MAP	MAPLE
		CYP	CYPRESS	OAK	OAK
		FUR	FUR	ORN	ORNAMENTAL
	CONIFER (TREE)	GINKO	GINKO	PEAR	PEAR
		GUM	SWEET GUM	POP	POPLAR
		HIC	HICKORY	SYC	SYCAMORE

SURVEY NOTES

- EQUIPMENT USED: A TOPCON 223 TOTAL STATION WAS USED TO OBTAIN ANGULAR MEASUREMENTS AND DISTANCE MEASUREMENTS.
- A TRIMBLE R-8 DUAL FREQUENCY GPS UNIT WAS USED FOR ESTABLISHING CONTROL. A NETWORK ADJUSTED RTK SURVEY WAS PERFORMED AND ADJUSTED BY RELATIVE POSITIONAL ACCURACY.
- CLOSURE STATEMENT: NO BOUNDARY SURVEY HAS BEEN PERFORMED BY TERRAMARK LAND SURVEYING, INC. AT THIS TIME. BOUNDARY LINE ARE FOR REFERENCE ONLY.
- THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAD A CLOSURE OF ONE FOOT IN 25,913 FEET AND AN ANGULAR ERROR OF 3" PER ANGLE POINT AND WAS ADJUSTED USING THE COMPASS RULE.
- SURVEY DATUM: THE HORIZONTAL DATUM IN WHICH THIS SURVEY HAS BEEN COMPUTED IS BASED ON A GRID BEARING BASE (GA WEST ZONE) NAD83.
- ELEVATIONS ARE BASED ON STATIC GLOBAL POSITIONING SYSTEMS OBSERVATION AND ARE RELATIVE TO NAVD 88 DATUM.
- CONTOURS ARE SHOWN AT ONE FOOT INTERVALS.
- INFORMATION REGARDING THE REPUTED PRESENCE, SIZE, CHARACTER, AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES IS SHOWN HEREON. THERE IS NO CERTAINTY TO THE ACCURACY OF THIS INFORMATION AND IT SHALL BE CONSIDERED IN THAT LIGHT BY THOSE USING THIS DRAWING. THE LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITIES AND STRUCTURES SHOWN HEREON MAY BE INACCURATE AND UTILITIES AND STRUCTURES NOT SHOWN MAY BE ENCOUNTERED. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS, HIS CONTRACTORS, AND/OR HIS AGENTS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE SURVEYOR IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION SHOWN HEREON AS TO SUCH UNDERGROUND INFORMATION.
- INFORMATION REGARDING STORM SEWER AND SANITARY SEWER AS SHOWN HEREON, IS BASED ON OBSERVATIONS TAKEN BY TERRAMARK EMPLOYEES AT THE LOCATION AND ELEVATION OF THE EXISTING STRUCTURE. TERRAMARK EMPLOYEES ARE NOT AUTHORIZED TO ENTER A CONFINED SPACE SUCH AS A STRUCTURE. THEREFORE, THERE IS NO CERTAINTY OF THE PIPE SIZES AND PIPE MATERIAL THAT ARE SHOWN ON THIS SURVEY. EXCAVATION BY A CERTIFIED CONTRACTOR IS THE ONLY WAY TO VERIFY PIPE SIZE AND MATERIAL. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS, HIS CONTRACTORS, AND/OR HIS AGENTS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE SURVEYOR IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THE PIPE INFORMATION SHOWN HEREON.
- INFORMATION REGARDING SIZE, LOCATION, AND SPECIES OF EXISTING TREES IS SHOWN HEREON. THERE IS NO CERTAINTY OF THE SIZE AND SPECIES OF THE SAID TREES WITHOUT VERIFICATION FROM THE DESIGNATED ARBORIST BY THE LOCAL REGULATORY AUTHORITY. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS, HIS CONTRACTORS, AND/OR HIS AGENTS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE SURVEYOR IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION SHOWN HEREON EXCEPT BY APPROVAL OF SAID AUTHORITY.
- THIS PLAT WAS PREPARED FOR THE EXCLUSIVE USE OF THE PERSON, PERSONS OR ENTITY NAMED HEREON. THIS PLAT DOES NOT EXTEND TO ANY UNNAMED PERSON, PERSONS OR ENTITY WITHOUT THE EXPRESS CERTIFICATION BY THE SURVEYOR NAMING SAID PERSON, PERSONS OR ENTITY.
- TERRAMARK LAND SURVEYING, INC. DOES NOT WARRANT THE EXISTENCE OR NON-EXISTENCE OF ANY WETLANDS OR HAZARDOUS WASTE IN THE SURVEY AREA.
- PROPERTY IS SUBJECT TO RIGHTS OF UPPER AND LOWER RIPARIAN OWNERS IN AND TO THE WATER OF CREEKS AND BRANCHES CROSSING OR ADJOINING SUBJECT PROPERTY AND THE NATURAL FLOW THEREOF, FREE FROM DIMINUTION OR POLLUTION.
- THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT, WHICH COULD REVEAL ENCUMBRANCES NOT SHOWN ON THIS SURVEY.

SOUTH FORK PEACHTREE CREEK
SANITARY SEWER REPLACEMENTS
SITE 1 KEY

SURVEY
FOR
RIVER TO TAP, INC.
LOCATED IN
LAND LOT 63 & 100, 18TH DISTRICT
DEKALB COUNTY, GEORGIA



SURVEY
FOR
RIVER TO TAP, INC.

LOCATED IN
LAND LOT 63 & 100, 18TH DISTRICT
DEKALB COUNTY, GEORGIA

SOUTH FORK PEACHTREE CREEK
SANITARY SEWER REPLACEMENTS

SITE 1

TerraMark Land Surveying, Inc.
1000 Peachtree Street, N.E.
Atlanta, Georgia 30308
Phone No. (770) 421-1927
Fax No. (770) 421-0552
www.TerraMark.com
A#LSF000810



SHEET NO.

V-2

DRAWING# TM 24 X 36

LEGEND			
	CURB AND GUTTER (C&G)		CATCH BASIN (DWCB)
	FENCE		CATCH BASIN (SWCB)
	STORM DRAIN LINE		DROP INLET (DI)
	SANITARY SEWER		JUNCTION BOX (JB)
	WATER LINE		HEAD WALL (HW)
	GAS LINE		CURB INLET (CI)
	UNDERGROUND POWER LINE		FLARED END SECTION (FES)
	OVERHEAD POWER LINE		OUTLET CONTROL STRUCTURE
	UNDERGROUND COMMUNICATION		SS MANHOLE (MH)
	TOPOGRAPHIC CONTOUR		CLEANOUT (CO)
	PROPERTY LINE		GREASE TRAP (GT)
	IRRIGATION CONTROL VALVE (ICV)		FIRE HYDRANT (FH)
	WATER VALVE (WV)		WATER METER (WM)
	FIRE DEPT. CONNECTION (FDC)		WATER VALVE MARKER
	TRANSFORMER BOX (TX)		AIR CONDITIONER (AC)
	ELECTRIC METER (EM)		ELECTRIC UTILITY
	LIGHT POLE (LP)		POWER POLE (PP)
	UTILITY MANHOLE (UM)		SPOTLIGHT
	GAS METER (GM)		GAS VALVE (GV)
	TRAFFIC SIGNAL BOX (TSB)		TRAFFIC SIGNAL
	FLAG POLE (FP)		MAIL BOX
	SIGN		SPOT ELEVATION
	CONCRETE AREA		ASPHALT AREA
	GRAVEL AREA		BRICK AREA
	TREELINE		PICTURE LOCATION

UTILITY NOTES

THE UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON LOCATION OF MARKINGS PROVIDED BY:

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CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT 651 14TH STREET ATLANTA, GA 30318 (404) 539-6600 JAMES BOSTWICK	

SURVEYOR'S CERTIFICATE

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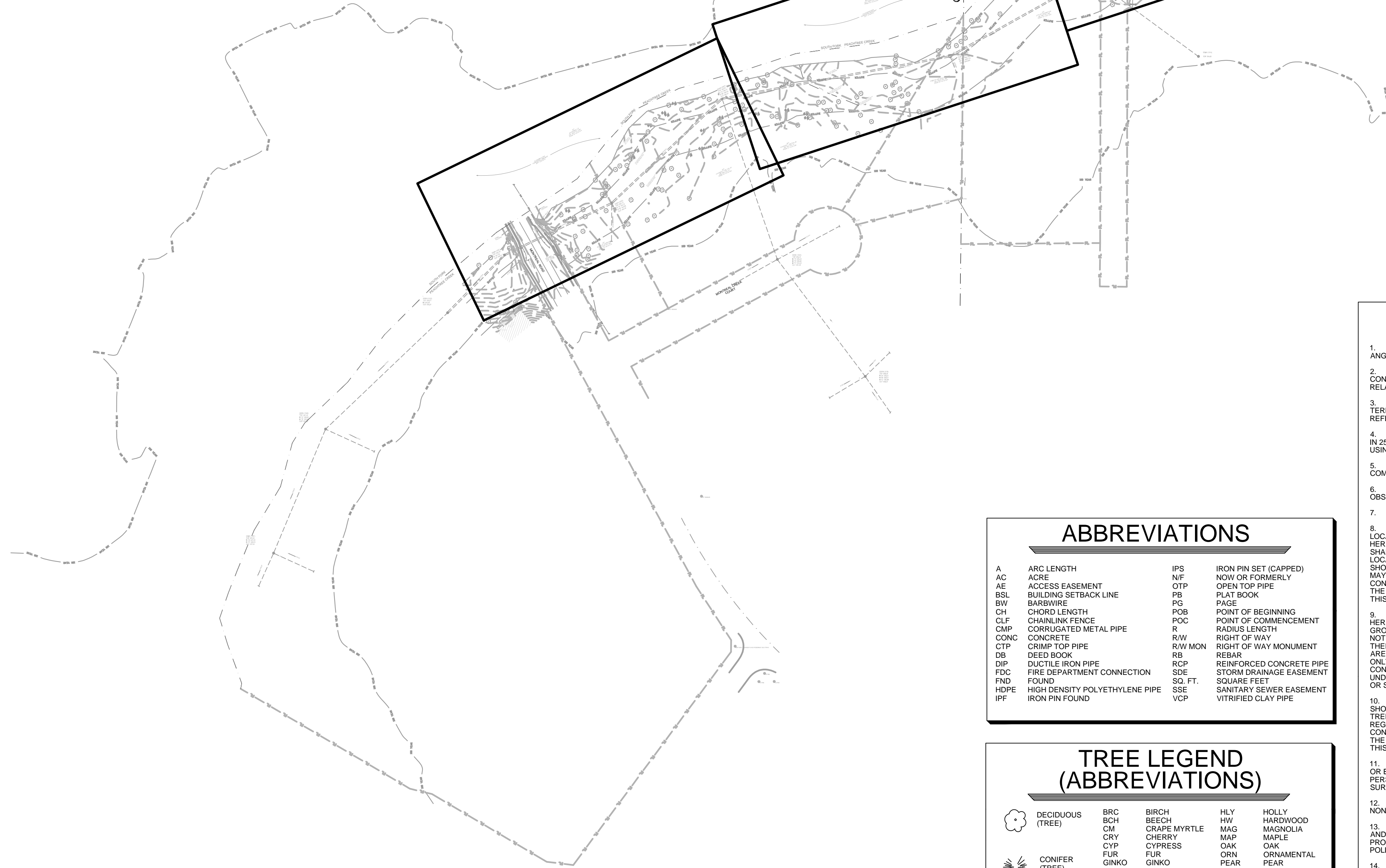
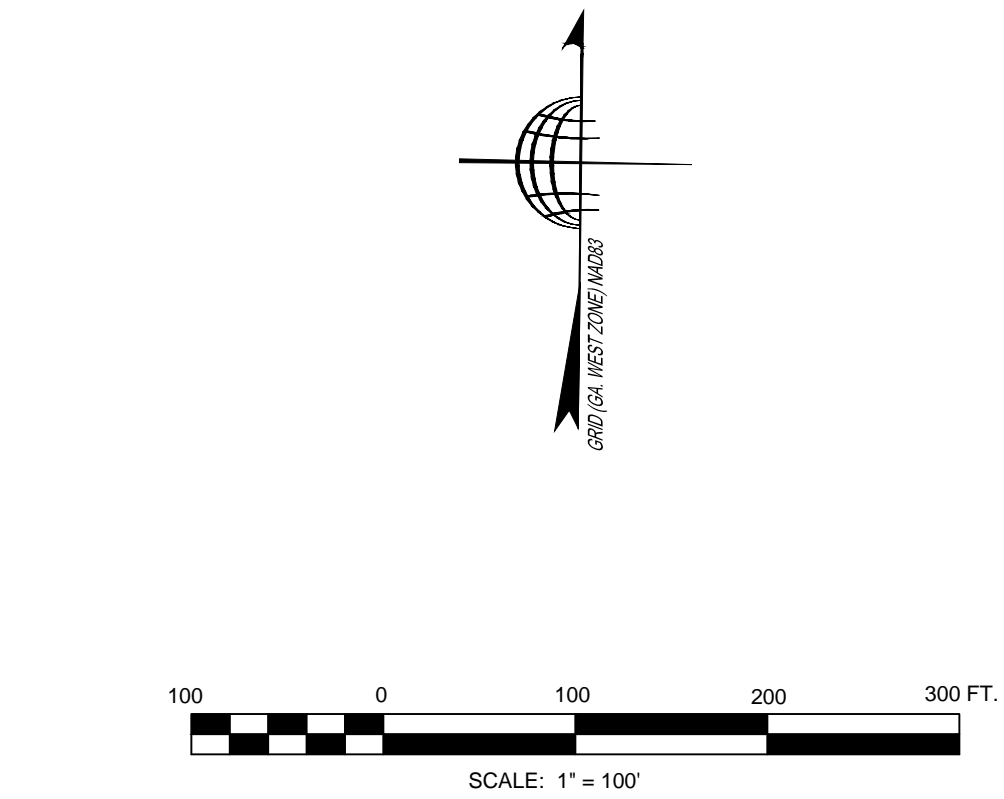
SURVEYOR'S CERTIFICATE

TO:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA / ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 6(1), 7(a), 7(b), 7(c), 8, 9, 10, 11(a), 13, 14 & 16 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON _____, 2014.

THE ORIGINAL OF THIS DOCUMENT
WAS SIGNED AND SIGNED BY
PAUL B. CANNON, GA. RLS #2928
**THIS REPRODUCTION IS NOT A
CERTIFIED COPY**

WILLIAM C. WOHLFORD, JR., RLS
REGISTERED NUMBER: 2577



ABBREVIATIONS			
A	ARC LENGTH	IPS	IRON PIN SET (CAPPED)
AC	ACRE	N/F	NOW OR FORMERLY
AE	ACCESS EASEMENT	OTP	OPEN TOP PIPE
BSL	BUILDING SETBACK LINE	PS	PLAT BOOK
BW	BARB WIRE	PG	PAGE
CH	CHORD LENGTH	POB	POINT OF BEGINNING
CLF	CHAINLINK FENCE	POC	POINT OF COMMENCEMENT
OMP	CORRUGATED METAL PIPE	R	RADIUS LENGTH
CONC	CONCRETE	R/W	RIGHT OF WAY
CTP	CRIMP TOP PIPE	R/W MON	RIGHT OF WAY MONUMENT
DB	DEED BOOK	RB	REBAR
DIP	DUCTILE IRON PIPE	RCP	REINFORCED CONCRETE PIPE
FDC	FIRE DEPARTMENT CONNECTION	SDE	STORM DRAINAGE EASEMENT
FND	FOUND	SQ. FT.	SQUARE FEET
HDPE	HIGH DENSITY POLYETHYLENE PIPE	SSE	SANITARY SEWER EASEMENT
IPF	IRON PIN FOUND	VCP	VITRIFIED CLAY PIPE

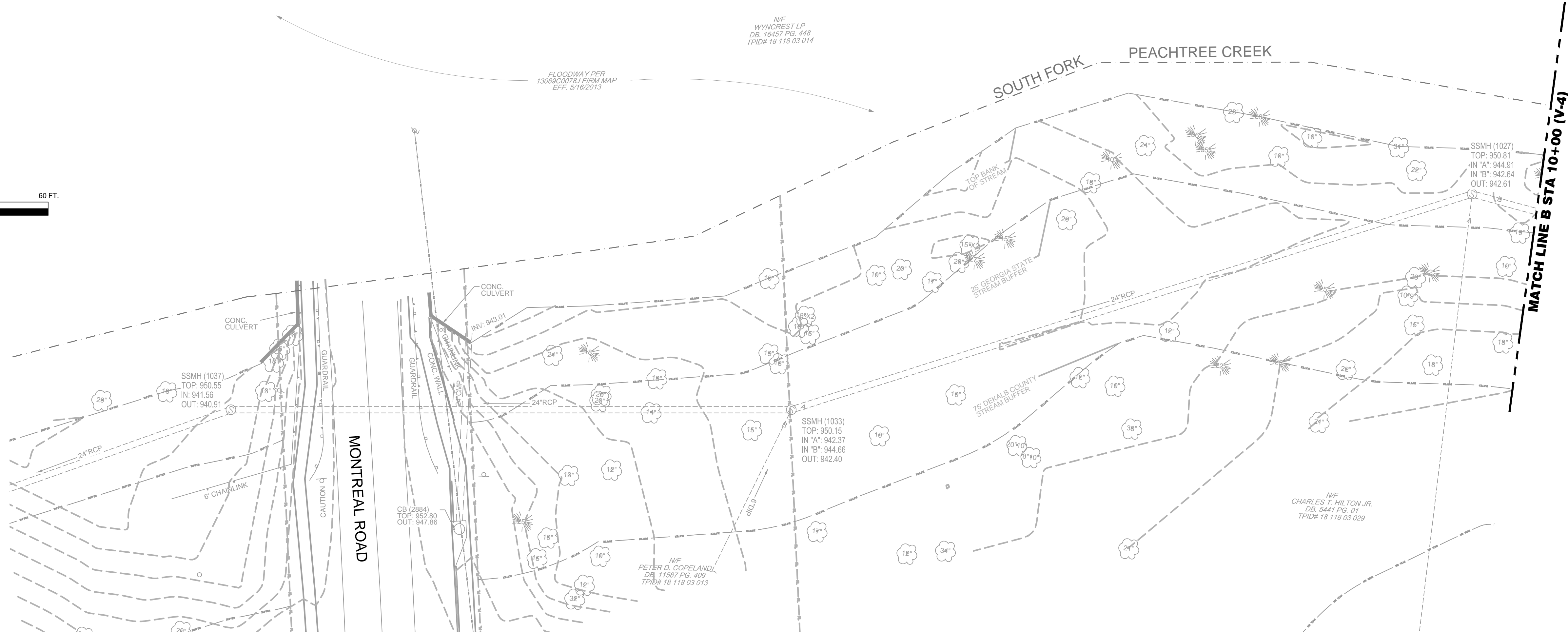
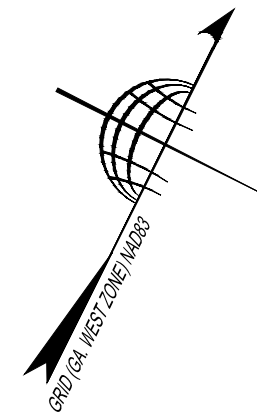
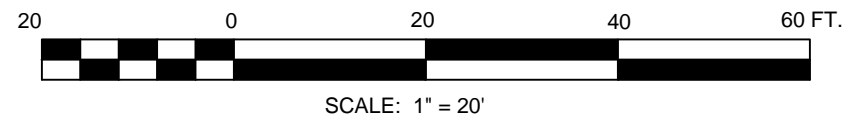
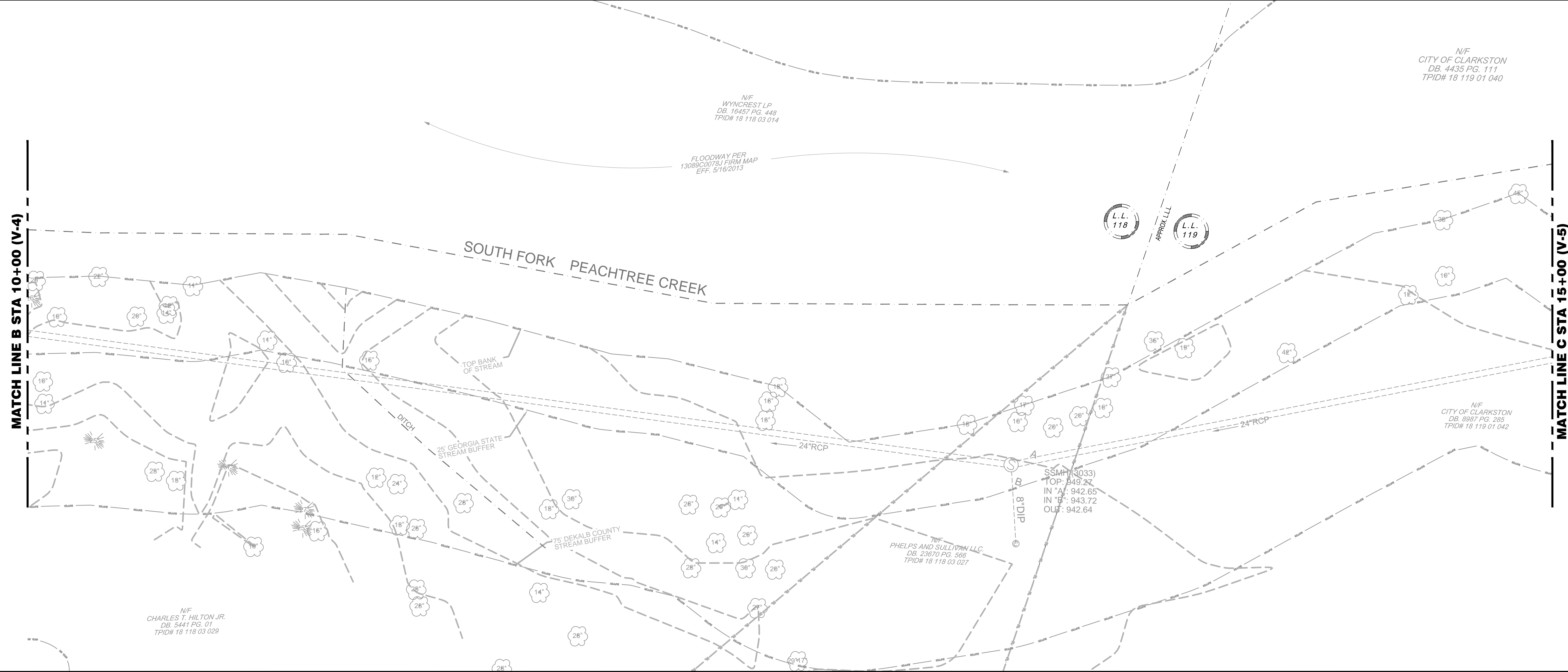
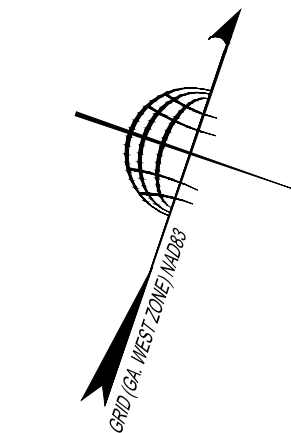
TREE LEGEND (ABBREVIATIONS)			
	DECIDUOUS (TREE)	BRC	BIRCH
	CONIFER (TREE)	BCH	BEECH
		CM	CRAPE MYRTLE
		CRY	CHERRY
		CYP	CYPRESS
		FUR	FUR
		GINKO	GINKO
		GUM	SWEET GUM
		HIC	HICKORY
		HLV	HOLLY
		HW	HARDWOOD
		MAG	MAGNOLIA
		MAP	MAPLE
		OAK	OAK
		ORN	ORNAMENTAL
		PEAR	PEAR
		POP	POPLAR
		SYC	SYCAMORE

SURVEY NOTES

- EQUIPMENT USED: A TOPCON 223 TOTAL STATION WAS USED TO OBTAIN ANGULAR MEASUREMENTS AND DISTANCE MEASUREMENTS.
- A TRIMBLE R-8 DUAL FREQUENCY GPS UNIT WAS USED FOR ESTABLISHING CONTROL. A NETWORK ADJUSTED RTK SURVEY WAS PERFORMED AND ADJUSTED BY RELATIVE POSITIONAL ACCURACY.
- CLOSURE STATEMENT: NO BOUNDARY SURVEY HAS BEEN PERFORMED BY TERRAMARK LAND SURVEYING, INC. AT THIS TIME. BOUNDARY LINE ARE FOR REFERENCE ONLY.
- THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAD A CLOSURE OF ONE FOOT IN 25,919 FEET AND AN ANGULAR ERROR OF 3" PER ANGLE POINT AND WAS ADJUSTED USING THE COMPASS RULE.
- SURVEY DATUM: THE HORIZONTAL DATUM IN WHICH THIS SURVEY HAS BEEN COMPUTED IS BASED ON A GRID BEARING BASE (GA WEST ZONE) NAD83.
- ELEVATIONS ARE BASED ON STATIC GLOBAL POSITIONING SYSTEMS OBSERVATION AND ARE RELATIVE TO NAVD 88 DATUM.
- CONTOURS ARE SHOWN AT ONE FOOT INTERVALS.
- INFORMATION REGARDING THE REPUTED PRESENCE, SIZE, CHARACTER, AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES IS SHOWN HEREON. THERE IS NO CERTAINTY TO THE ACCURACY OF THIS INFORMATION AND IT SHALL BE CONSIDERED IN THAT LIGHT BY THOSE USING THIS DRAWING. THE LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITIES AND STRUCTURES SHOWN HEREON MAY BE INACCURATE AND UTILITIES AND STRUCTURES NOT SHOWN MAY BE ENCOUNTERED. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS, HIS CONTRACTORS, AND/OR HIS AGENTS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE SURVEYOR IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION SHOWN HEREON AS TO SUCH UNDERGROUND INFORMATION.
- INFORMATION REGARDING STORM SEWER AND SANITARY SEWER AS SHOWN HEREON, IS BASED ON OBSERVATIONS TAKEN BY TERRAMARK EMPLOYEES AT THE GROUND ELEVATION OF THE EXISTING STRUCTURE. TERRAMARK EMPLOYEES ARE NOT AUTHORIZED TO ENTER A CONFINED SPACE SUCH AS A STRUCTURE. THEREFORE, THERE IS NO CERTAINTY OF THE PIPE SIZES AND PIPE MATERIAL THAT ARE SHOWN ON THIS SURVEY. EXCAVATION BY A CERTIFIED CONTRACTOR IS THE ONLY WAY TO VERIFY PIPE SIZE AND MATERIAL. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS, HIS CONTRACTORS, AND/OR HIS AGENTS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE SURVEYOR IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THE PIPE INFORMATION SHOWN HEREON.
- INFORMATION REGARDING SIZE, LOCATION, AND SPECIES OF EXISTING TREES IS SHOWN HEREON. THERE IS NO CERTAINTY OF THE SIZE AND SPECIES OF THE SAID TREES WITHOUT VERIFICATION FROM THE DESIGNATED ARBORIST BY THE LOCAL REGULATORY AUTHORITY. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS, HIS CONTRACTORS, AND/OR HIS AGENTS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE SURVEYOR IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION SHOWN HEREON EXCEPT BY APPROVAL OF SAID AUTHORITY.
- THIS PLAT WAS PREPARED FOR THE EXCLUSIVE USE OF THE PERSON, PERSONS OR ENTITY NAMED HEREON. THIS PLAT DOES NOT EXTEND TO ANY UNNAMED PERSON, PERSONS OR ENTITY WITHOUT THE EXPRESS CERTIFICATION BY THE SURVEYOR NAMING SAID PERSON, PERSONS OR ENTITY.
- TERRAMARK LAND SURVEYING, INC. DOES NOT WARRANT THE EXISTENCE OR NON-EXISTENCE OF ANY WETLANDS OR HAZARDOUS WASTE IN THE SURVEY AREA.
- PROPERTY IS SUBJECT TO RIGHTS OF UPPER AND LOWER RIPARIAN OWNERS IN AND TO THE WATER OF CREEKS AND BRANCHES CROSSING OR ADJOINING SUBJECT PROPERTY AND THE NATURAL FLOW THEREOF, FREE FROM DIMINUTION OR POLLUTION.
- THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT, WHICH COULD REVEAL ENCUMBRANCES NOT SHOWN ON THIS SURVEY.

SOUTH FORK PEACHTREE CREEK
SANITARY SEWER REPLACEMENTS
SITE 2 KEY

SURVEY
FOR
RIVER TO TAP, INC.
LOCATED IN
LAND LOT 118 & 119, 18TH DISTRICT
DEKALB COUNTY, GEORGIA

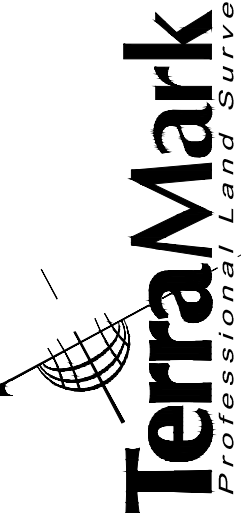


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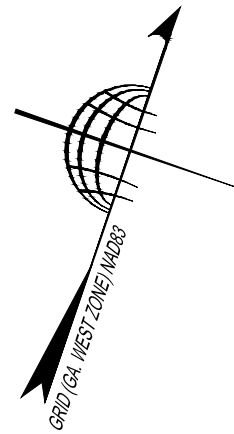
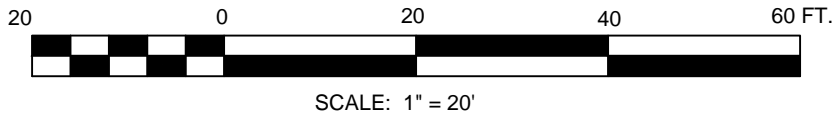
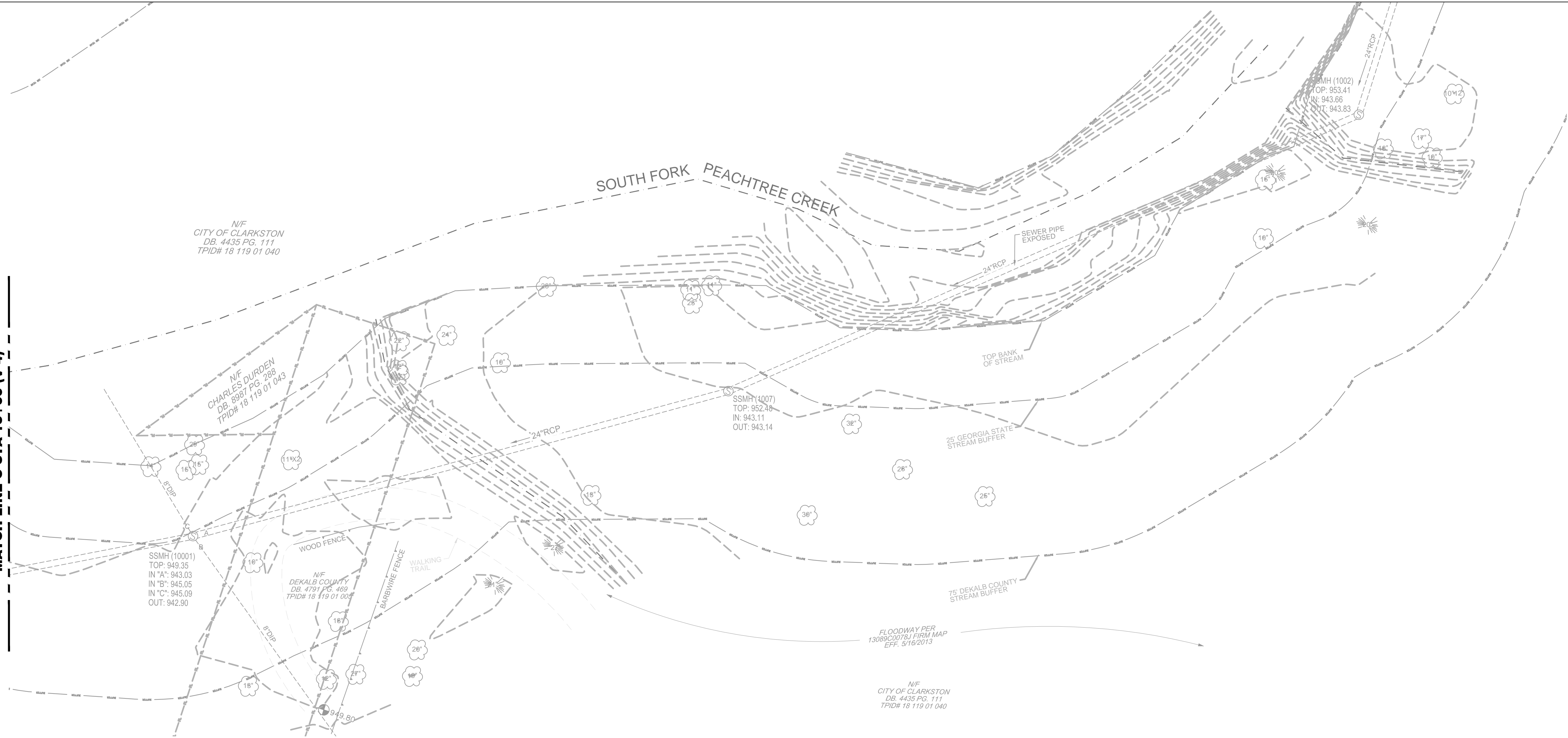
SOUTH FORK PEACHTREE CREEK
SANITARY SEWER REPLACEMENTS

SITE 2

TerraMark Land Surveying, Inc.
1000 Peachtree Street, N.E.
Atlanta, Georgia 30308
Phone No. (770) 421-1927
Fax No. (770) 421-0552
www.TerraMark.com



MATCH LINE C STA 15+00 (N-4)



SURVEY
FOR
RIVER TO TAP, INC.
LOCATED IN
LAND LOT 118 & 119, 18TH DISTRICT
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SOUTH FORK PEACHTREE CREEK
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SHEET NO.

V-5

10 of 65

DRAWING# TM 24 X 36

LEGEND

	CURB AND GUTTER (C&G)		CATCH BASIN (DWCB)		IRRIGATION CONTROL VALVE (ICV)		CONCRETE AREA
	FENCE		CATCH BASIN (SWCB)		FIRE HYDRANT (FH)		ASPHALT AREA
	STORM DRAIN LINE		DROP INLET (DI)		WATER VALVE (WV)		GRAVEL AREA
	SANITARY SEWER		JUNCTION BOX (JB)		WATER METER (WM)		BRICK AREA
	WATER LINE		HEAD WALL (HW)		FIRE DEPT. CONNECTION (FDC)		TREELINE
	GAS LINE		CURB INLET (CI)		WATER VALVE MARKER		PICTURE LOCATION
	UNDERGROUND POWER LINE		FLARED END SECTION (FES)		TRANSFORMER BOX (TX)		
	OVERHEAD POWER LINE		OUTLET CONTROL STRUCTURE		AIR CONDITIONER (AC)		
	UNDERGROUND COMMUNICATION		SS MANHOLE (MH)		ELECTRIC METER (EM)		
	TOPOGRAPHIC CONTOUR		CLEANOUT (CO)		ELECTRIC UTILITY		
	PROPERTY LINE		GREASE TRAP (GT)		LIGHT POLE (LP)		
					SPOT ELEVATION		

UTILITY NOTES

THE UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON LOCATION OF MARKINGS PROVIDED BY:

UTILISURVEY, LLC.
514 DUNELLA LANE
PEACHTREE CITY, GA. 30269
PHONE: 404-312-6912
ATTENTION: HANS Wonneberger

THE UNDERGROUND UTILITIES (EXCEPT THE LOCATION OF EXISTING DRAINAGE, SEWER, AND IRRIGATION UTILITIES AS WELL AS UNDERGROUND STORAGE TANKS) WERE LOCATED BY UTILISURVEY, LLC. UTILIZING RADIO FREQUENCY TECHNIQUE. THIS TECHNIQUE IS CAPABLE OF LOCATING METALLIC UTILITIES AND TRACER WIRES. ANY NON-METALLIC UTILITIES (WITHOUT TRACER WIRE) ARE NOT LOCATED.

THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. UNDERGROUND UTILITIES NOT OBSERVED OR LOCATED UTILIZING THIS TECHNIQUE MAY EXIST ON THIS SITE BUT ARE NOT SHOWN, AND MAY BE FOUND UPON EXCAVATION. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. ALTHOUGH THE SURVEYOR DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

INFORMATION REGARDING MATERIAL AND SIZE OF UTILITIES IS BASED ON RECORDS ACQUIRED FROM THE UTILITY OWNERS.

UTILITY PROVIDERS

GAS

ATLANTA GAS LIGHT COMPANY AGL
10 PEACHTREE STREET NE
ATLANTA, GA 30309
MARTIN MAREK
(404) 584-4126

POWER

GEORGIA POWER COMPANY
823 JEFFERSON STREET
ATLANTA, GA 30318
(404) 506-4569
IKE COLLINS

WATER

CITY OF ATLANTA DEPARTMENT
OF WATERSHED MANAGEMENT
651 14TH STREET
ATLANTA, GA 30318
(404) 536-6600
JAMES BOSTWICK

COMMUNICATION

AT&T
(404) 216-7772
KEN RECTOR
COMCAST
(770) 559-6879
SANDRA ANDREWS

LEVEL 3 COMMUNICATIONS, INC
1025 ELDORADO BOULEVARD
BROOMFIELD, CO 80021
(877) 366-8344 EXT. 3

VERIZON / MCI
2400 N GLENVILLE
RICHARDSON, TX 75082
(478) 471-1042
DENNIS RAINEY

XO / AGLN
10 PEACHTREE PLACE NE
ATLANTA, GA 30309
(770) 901-9160

SURVEYOR'S CERTIFICATE

THIS SURVEY WAS PREPARED IN CONFORMITY WITH THE TECHNICAL STANDARDS FOR PROPERTY SURVEYS IN GEORGIA AS SET FORTH IN CHAPTER 180-7 OF THE RULES OF GEORGIA BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS AND AS SET FORTH IN THE GEORGIA PLAT ACT O.C.G.A. 15-6-67, AUTHORITY O.C.G.A. SECS. 15-6-67, 43-15-4, 43-15-6, 43-15-19, 43-15-22.

WILLIAM C. WOHLFORD, JR., RLS
REGISTERED NUMBER: 2577

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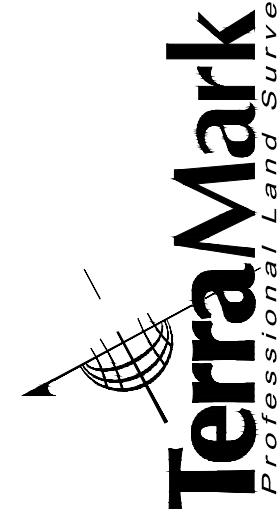
ABBREVIATIONS

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A#LS000810



SOUTH FORK PEACHTREE CREEK
SANITARY SEWER REPLACEMENTS

SITE 3 KEY

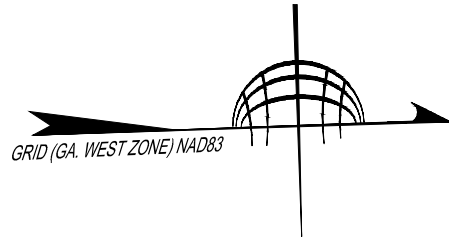
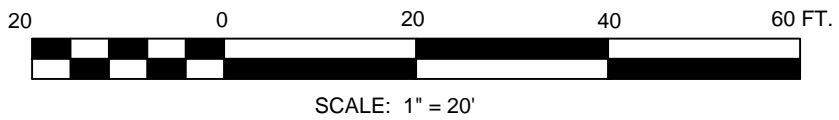
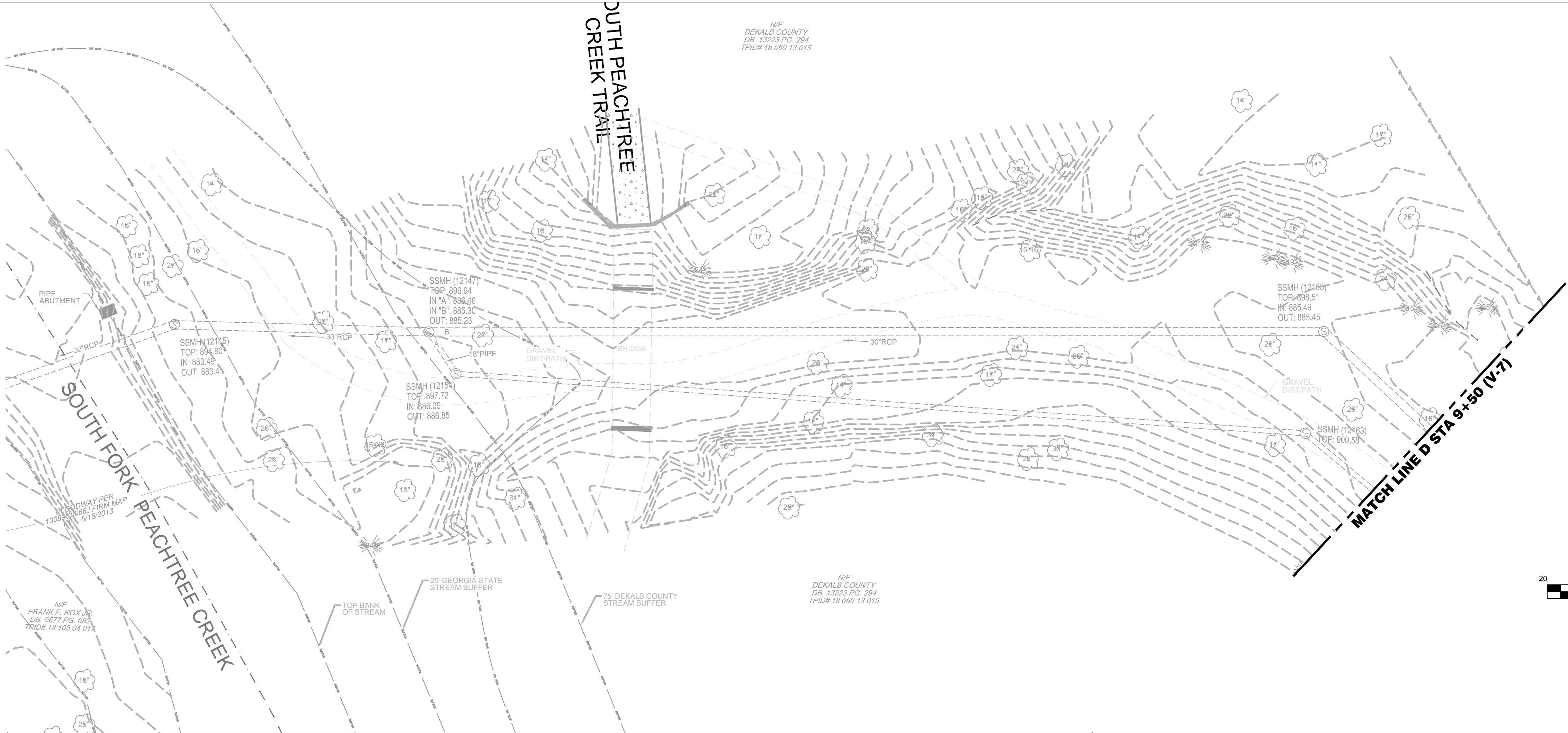
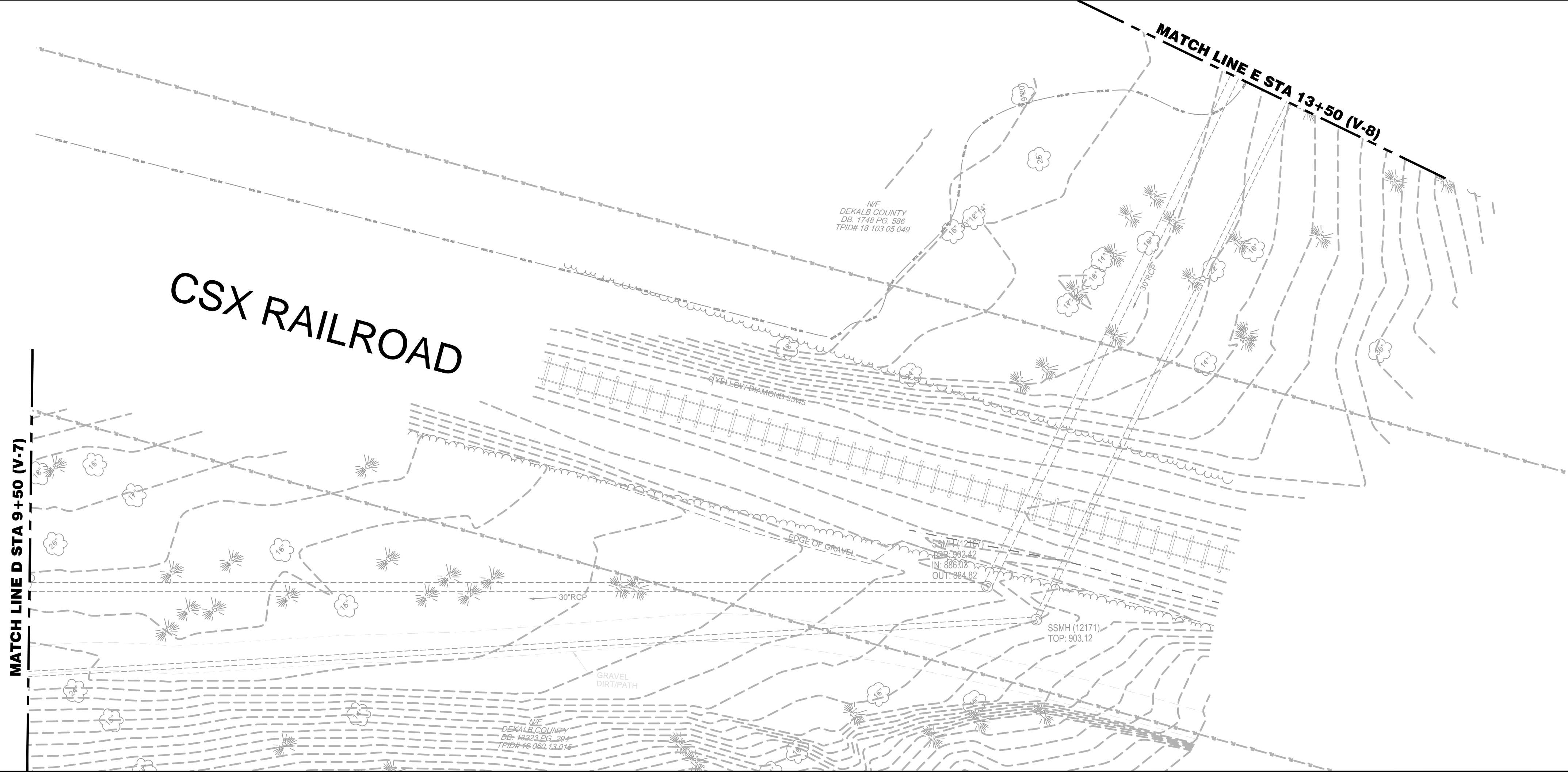
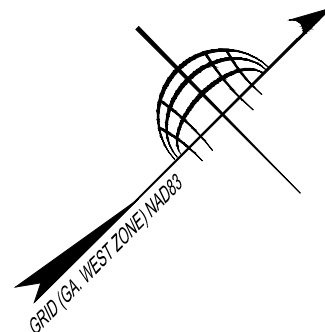
SURVEY
FOR
RIVER TO TAP, INC.

LOCATED IN
LAND LOT 102, 103, & 113, 18TH DISTRICT
DEKALB COUNTY, GEORGIA

SHEET NO.

V-6

DRAWING# TM 24 X 36



SURVEY
FOR
RIVER TO TAP, INC.

LOCATED IN
LAND LOT 102, 103, & 113, 18TH DISTRICT
DEKALB COUNTY, GEORGIA

SOUTH FORK PEACHTREE CREEK
SANITARY SEWER REPLACEMENTS

SITE 1

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Atlanta, Georgia 30308
Phone No. (770) 421-1927
Fax No. (770) 421-0552
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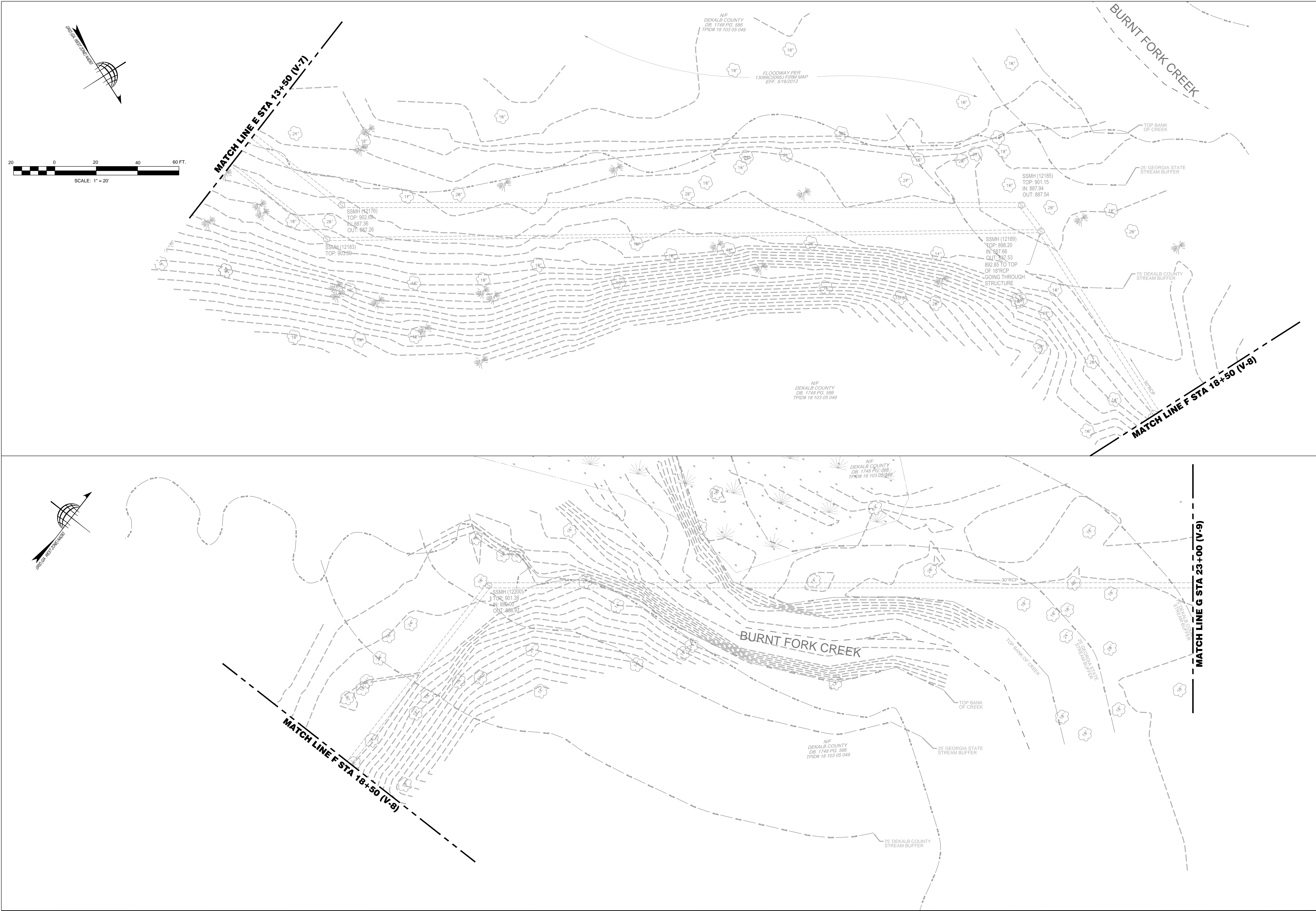


SHEET NO.

V-7

12 of 65

DRAWING# TM 24 X 36



TerraMark Land Surveying, Inc.
1000 Peachtree Industrial Blvd.
Atlanta, Georgia 30306
Phone No. (770) 421-1927
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TerraMark
Professional Land Surveying

SOUTH FORK PEACHTREE CREEK
SANITARY SEWER REPLACEMENTS
SITE 1

SURVEY
FOR
RIVER TO TAP, INC.
LOCATED IN
LAND LOT 102, 103, & 113, 18TH DISTRICT
DEKALB COUNTY, GEORGIA

JOB NUMBER _____ PLOT SIZE 24 X 36



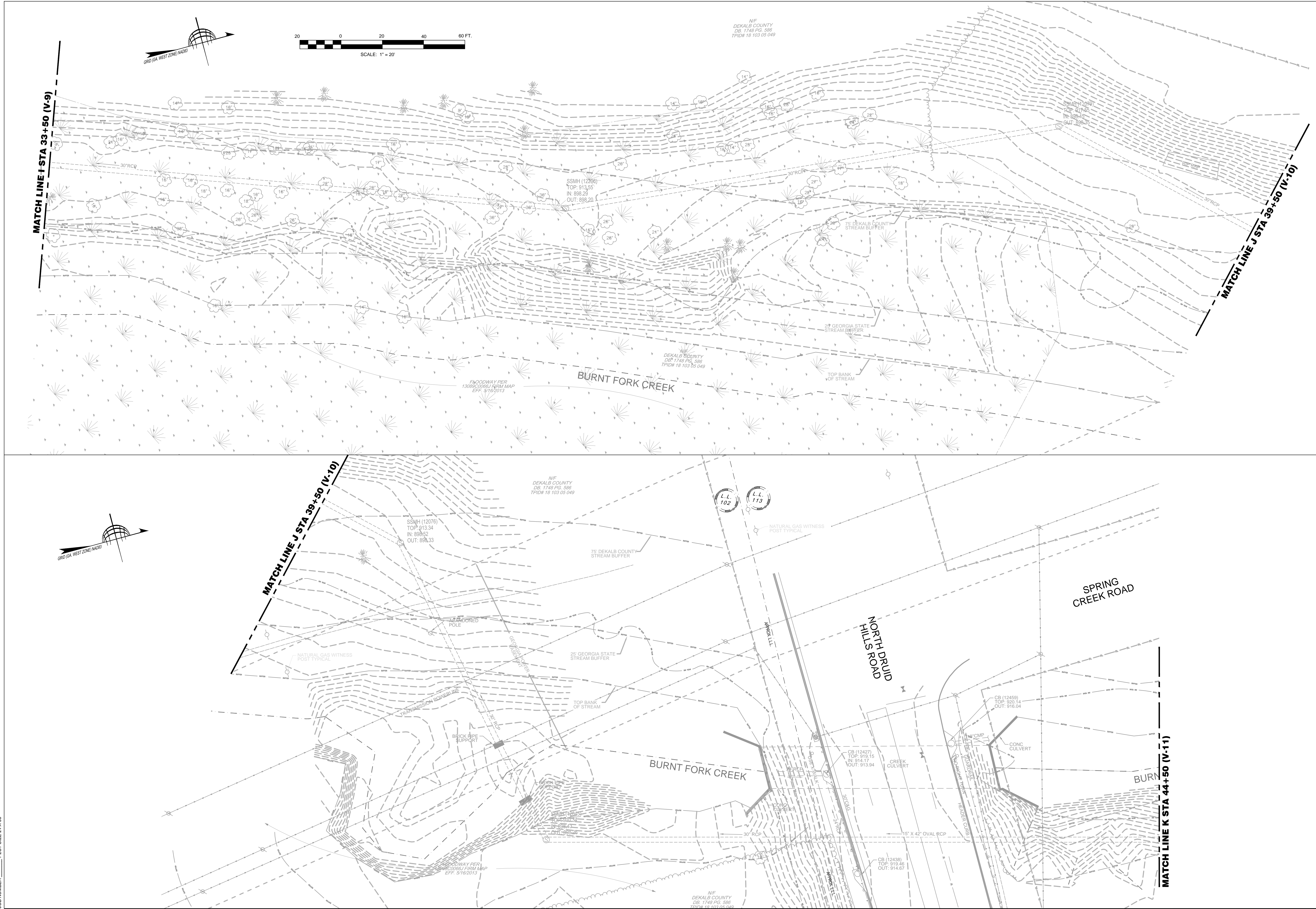
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SOUTH FORK PEACHTREE CREEK
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SURVEY
FOR
RIVER TO TAP, INC.
LOCATED IN
LAND LOT 102, 103, & 113, 18TH DISTRICT
DEKALB COUNTY, GEORGIA

SHEET NO.
V-9
14 of 65
DRAWING# TM 24 X 36



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SANITARY SEWER REPLACEMENTS
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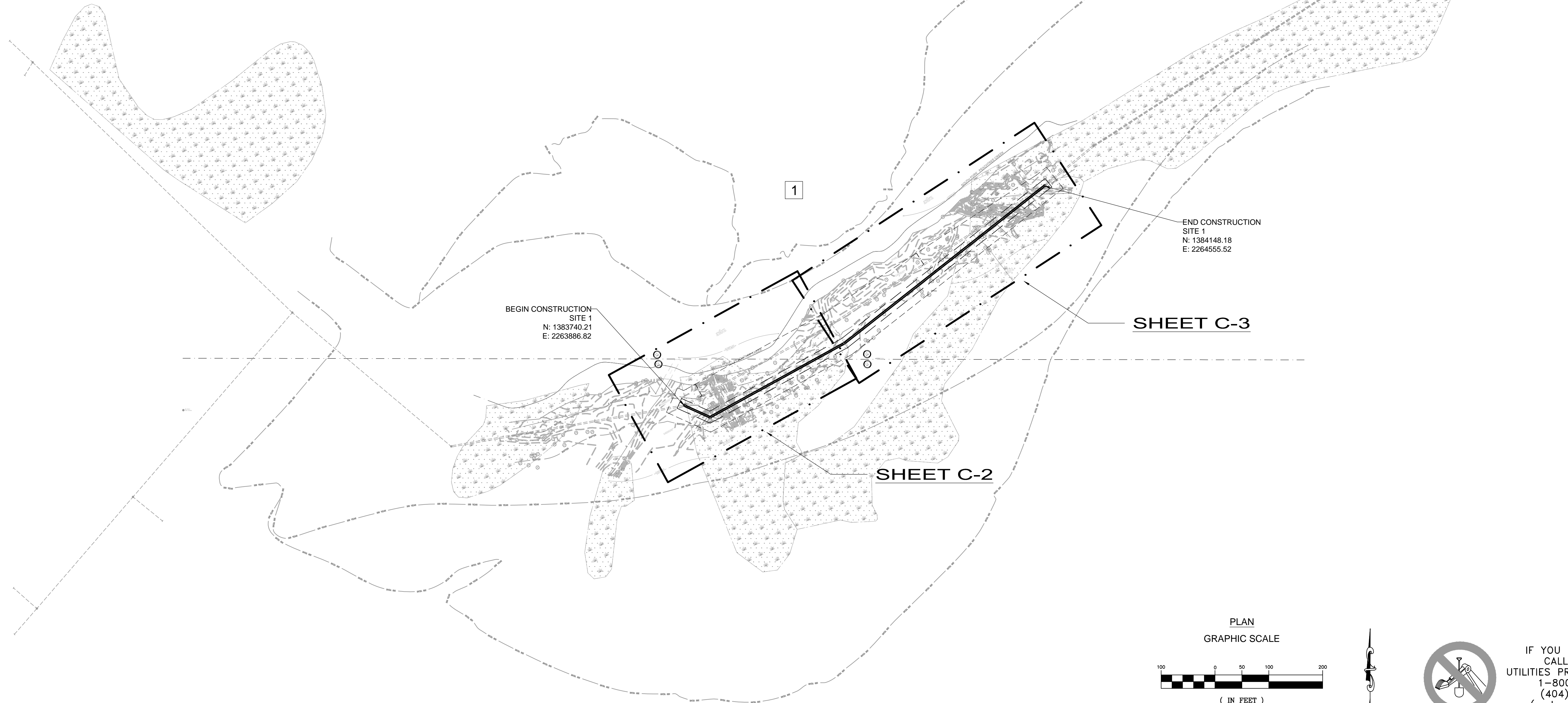
V-11

DRAWING# TM 24 X 36



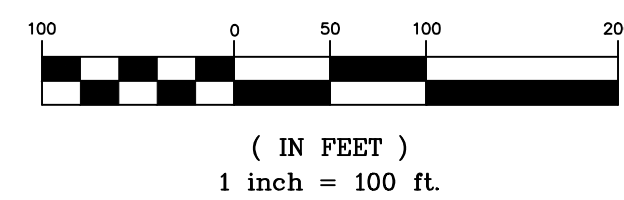
STREET ADDRESS NUMBERS - SITE 1		
KEY #	ADDRESS	TAX PARCEL
1	2057 LAWRENCEVILLE HIGHWAY	18 063 13 001

NOTE: STREET ADDRESSES PER DEKALB COUNTY PARCEL VIEWER



PLAN

GRAPHIC SCALE



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DEKALB COUNTY
DEPARTMENT OF
WATERSHED
MANAGEMENT
DEKALB COUNTY, GEORGIA

PROJECT: SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, & 119
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REV	DATE	DESCRIPTION
0	5/27/16	INITIAL ISSUE
1	12/9/16	REVIEW COMMENTS

STAMP:



SHEET TITLE: 17 of 65

KEY SHEET
SITE 1
SEGMENT 1

ISSUED: 5.27.16

PROJECT NO. _____

SCALE: 1" = 100'

CHKD BY: A.R.

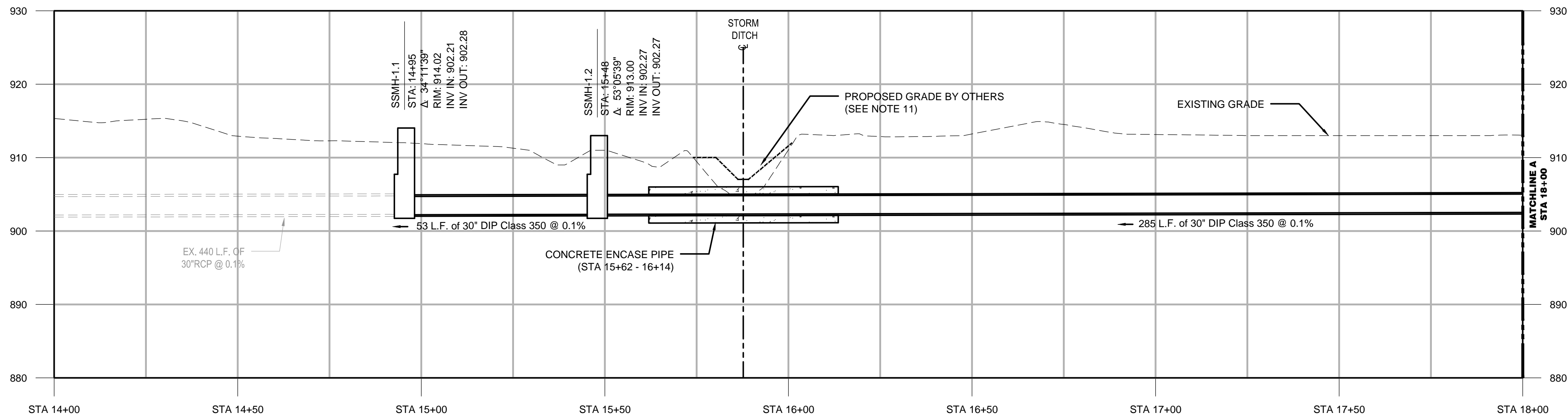
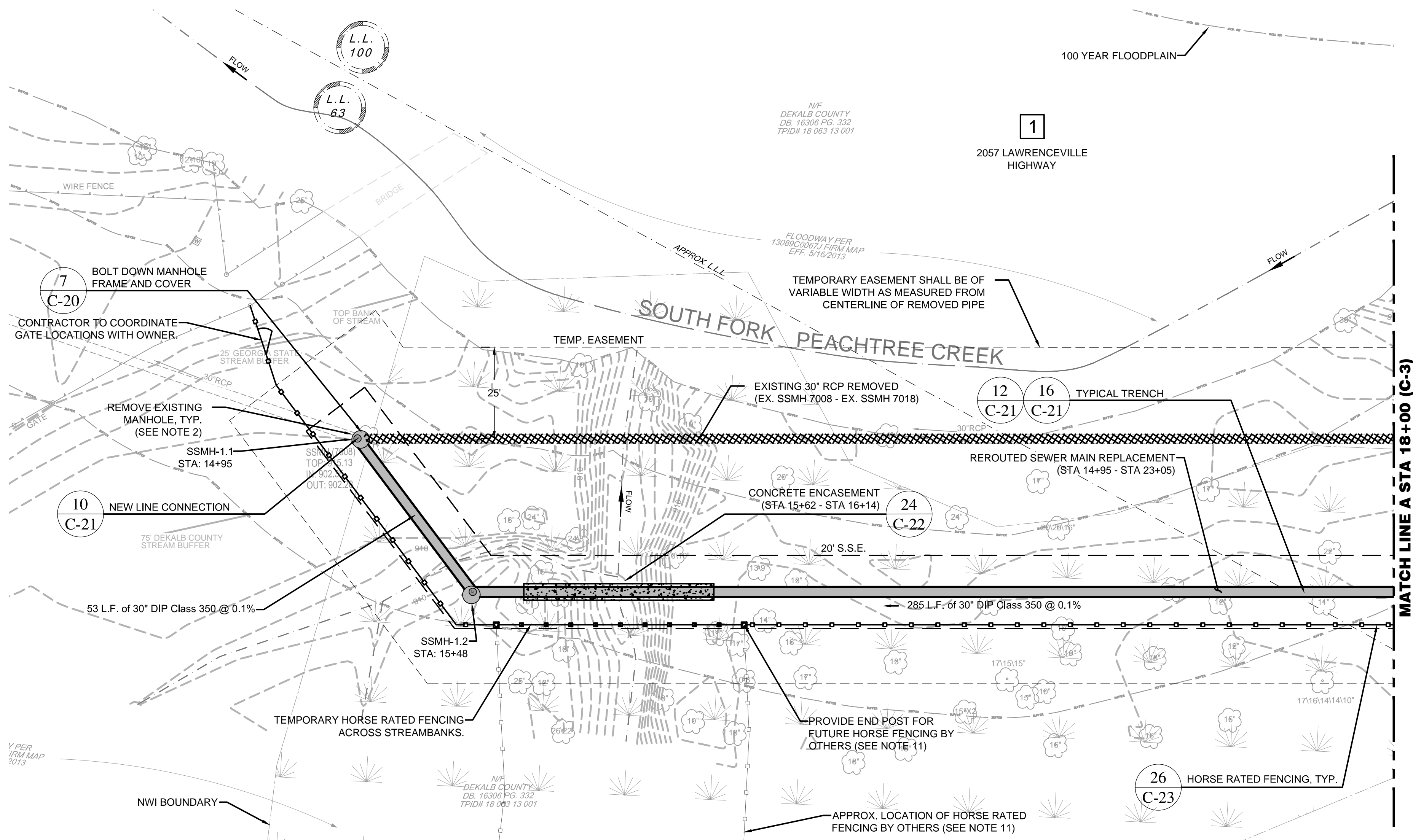
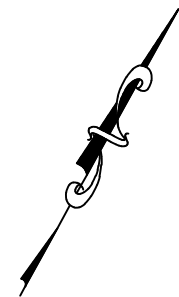
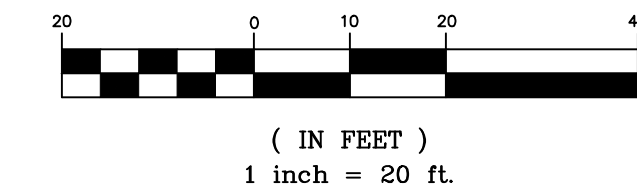
DESIGNED BY: J.J.

C-1

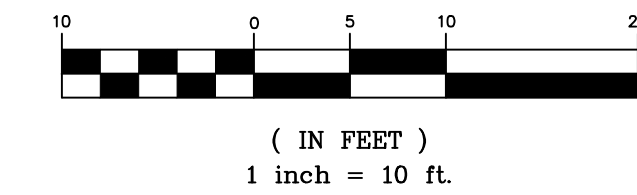
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- CONTRACTOR TO COORDINATE CONSTRUCTION OF SEWER MAIN WITH LITTLE CREEK HORSE FARM STREAM RESTORATION PROJECT, AP #19354. COORDINATION REQUIREMENTS LOCATED WITHIN SPECIFICATIONS.
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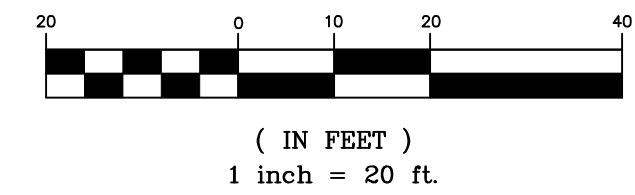
PLAN
GRAPHIC SCALE



PROFILE
VERTICAL
GRAPHIC SCALE



PROFILE
HORIZONTAL
GRAPHIC SCALE



1
-
SEWER MAIN PROFILE (STA 14+00 - STA 18+00)
SCALE: 1" = 20' (HORZ.)
1" = 10' (VERT.)



1841 PEELER RD.
UNIT C
ATLANTA, GA 30338
PHONE: (678) 336-5732
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CLIENT:
DEKALB COUNTY
DEPARTMENT OF
WATERSHED
MANAGEMENT
DEKALB COUNTY, GEORGIA

PROJECT:
SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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REV	DATE	DESCRIPTION
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SHEET TITLE: 18 of 65
SEWER MAIN
PLAN & PROFILE
SITE 1
STA 14+00 - 18+00

ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 20'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

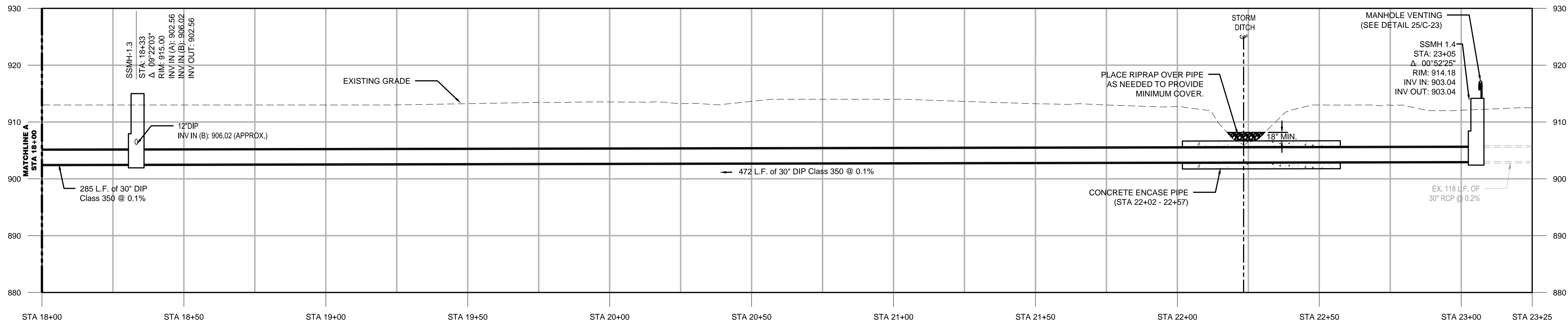
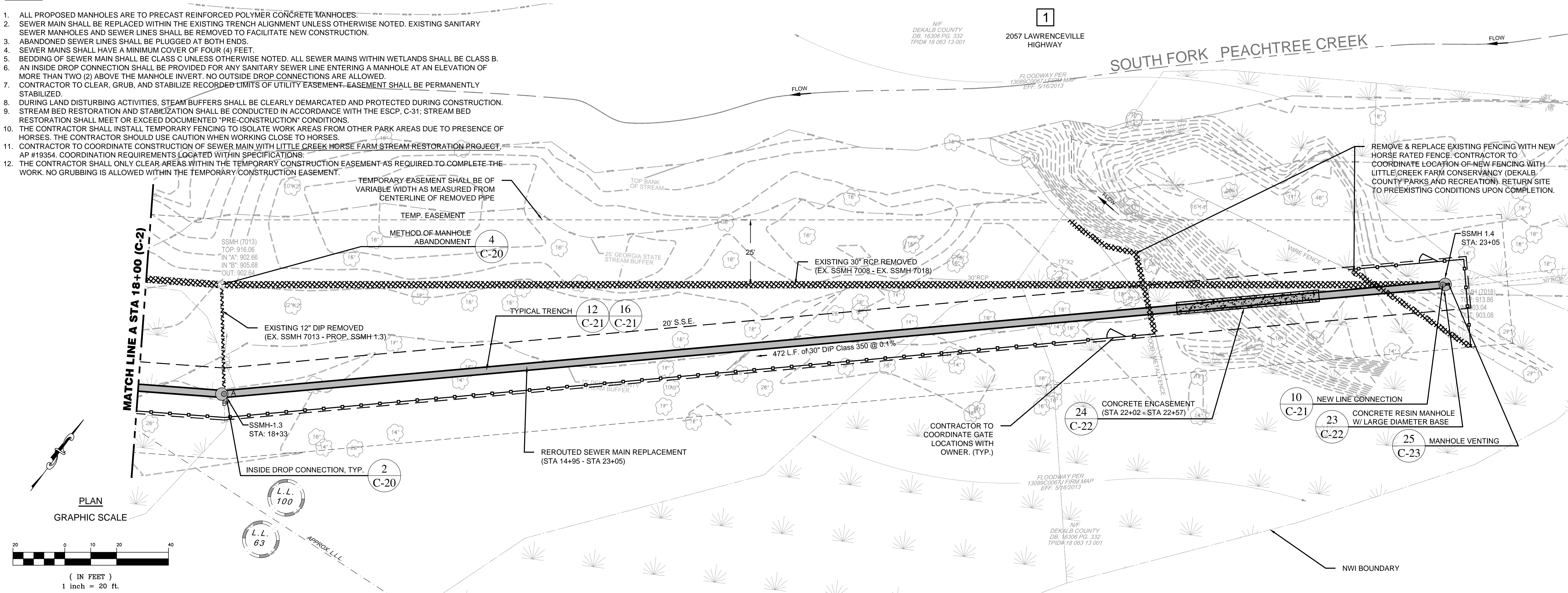
C-2



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2 SEWER MAIN PROFILE (STA 18+00 - STA 23+25)
SCALE: 1" = 20' (HORZ.)
1" = 10' (VERT.)



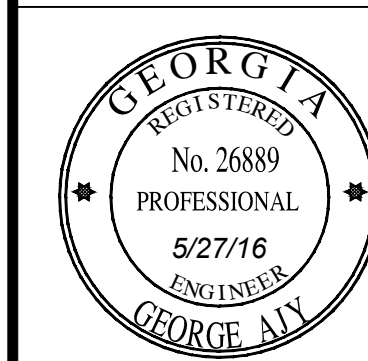
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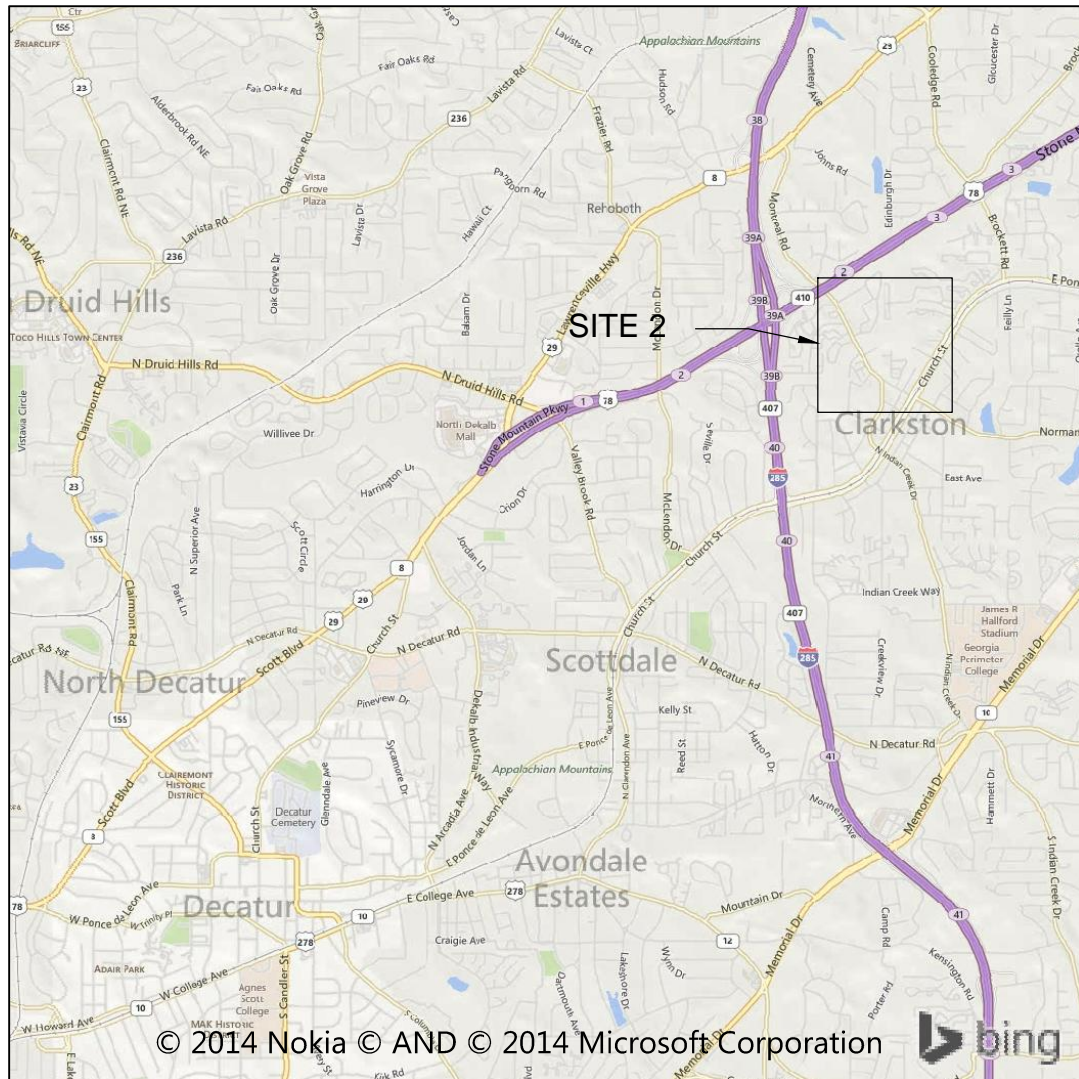
SHEET TITLE: 19 of 65
SEWER MAIN
PLAN & PROFILE
SITE 1
STA 18+00 - 23+25

ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 20'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

C-3



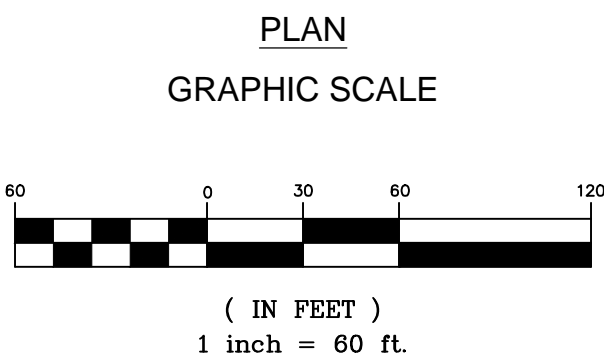
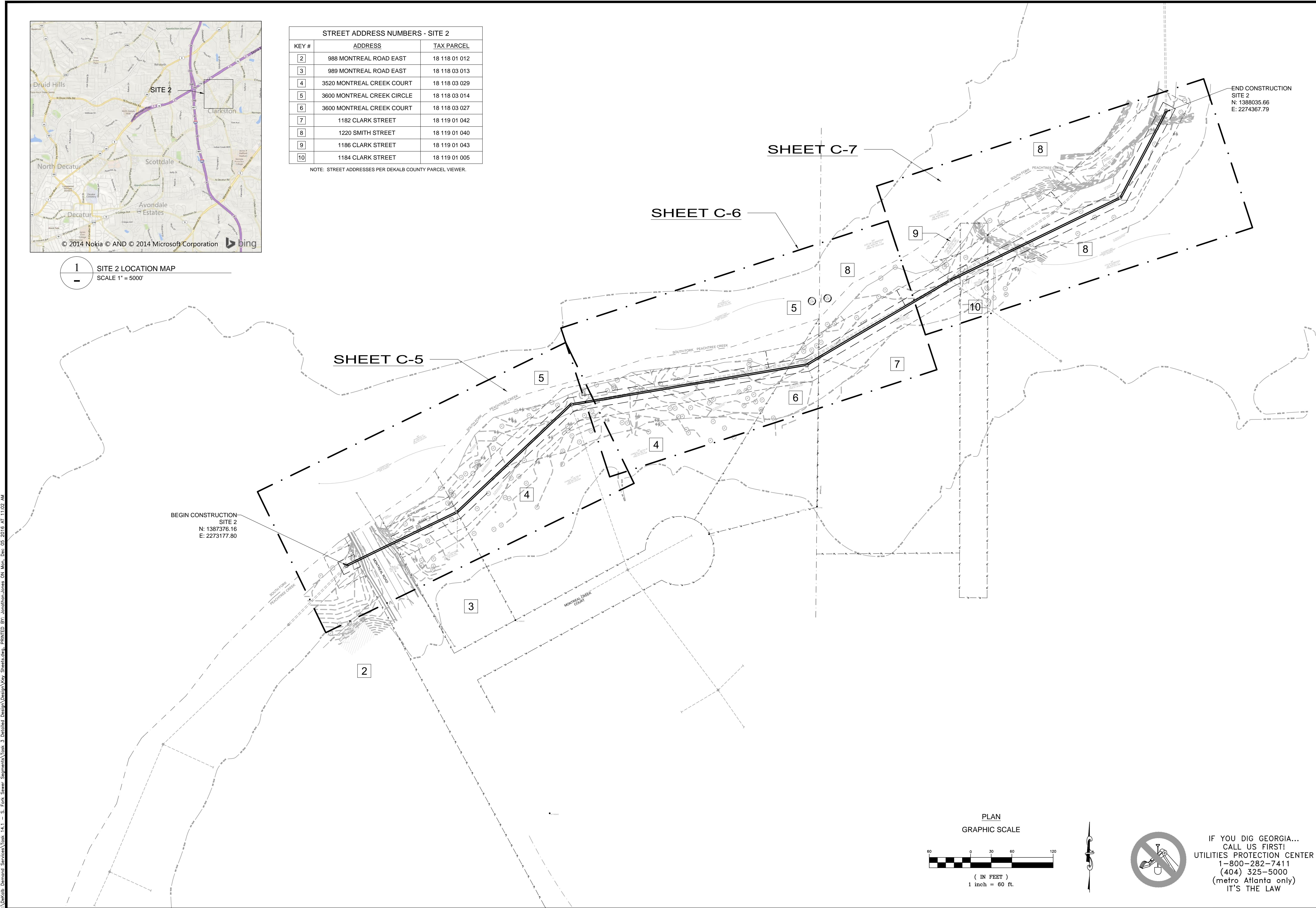
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1 SITE 2 LOCATION MAP
SCALE 1" = 5000'

STREET ADDRESS NUMBERS - SITE 2		
KEY #	ADDRESS	TAX PARCEL
2	988 MONTREAL ROAD EAST	18 118 01 012
3	989 MONTREAL ROAD EAST	18 118 03 013
4	3520 MONTREAL CREEK COURT	18 118 03 029
5	3600 MONTREAL CREEK CIRCLE	18 118 03 014
6	3600 MONTREAL CREEK COURT	18 118 03 027
7	1182 CLARK STREET	18 119 01 042
8	1220 SMITH STREET	18 119 01 040
9	1186 CLARK STREET	18 119 01 043
10	1184 CLARK STREET	18 119 01 005

NOTE: STREET ADDRESSES PER DEKALB COUNTY PARCEL VIEWER.



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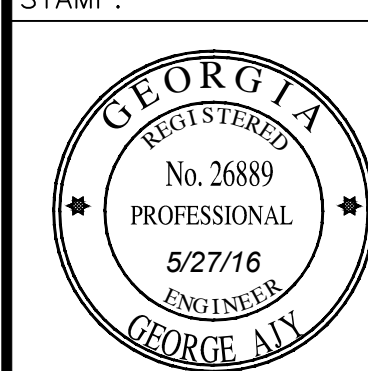


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DEPARTMENT OF
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DEKALB COUNTY, GEORGIA

PROJECT:
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PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
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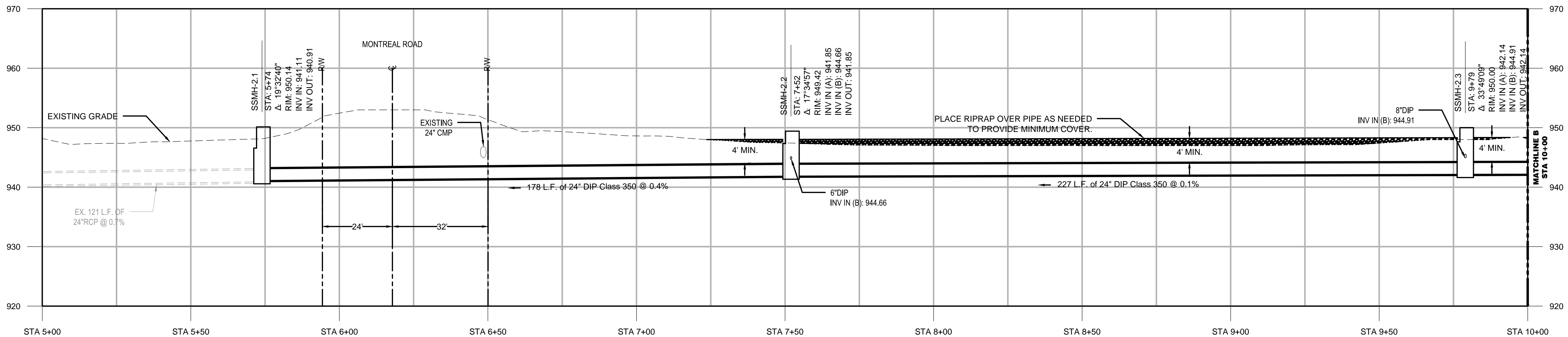
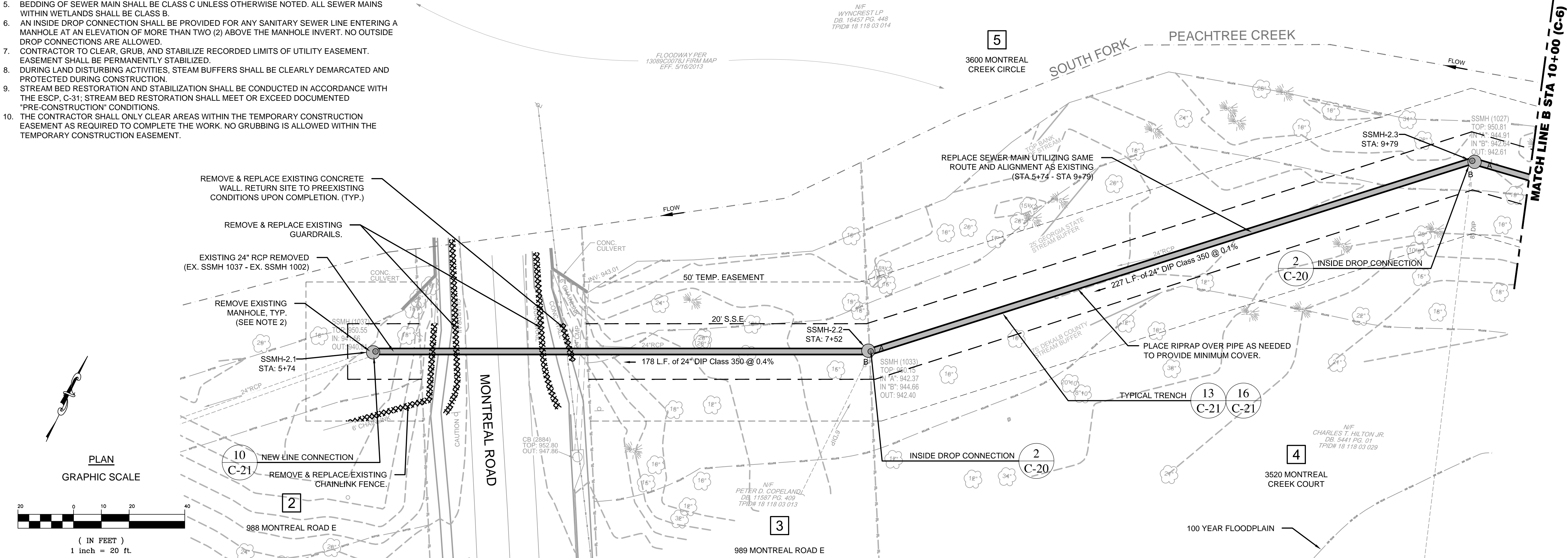
KEY SHEET
SITE 2
SEGMENT 3

ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 60'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

C-4

NOTES

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3 SEWER MAIN PROFILE (STA 5+00 - STA 10+00)
SCALE: 1" = 20' (HORZ.)
1" = 10' (VERT.)



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DEPARTMENT OF
WATERSHED
MANAGEMENT
DEKALB COUNTY, GEORGIA

PROJECT:
SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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REV	DATE	DESCRIPTION
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1	12/9/16	REVIEW COMMENTS

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SHEET TITLE: 21 of 65
SEWER MAIN
PLAN & PROFILE
SITE 2
STA 5+00 - 10+00

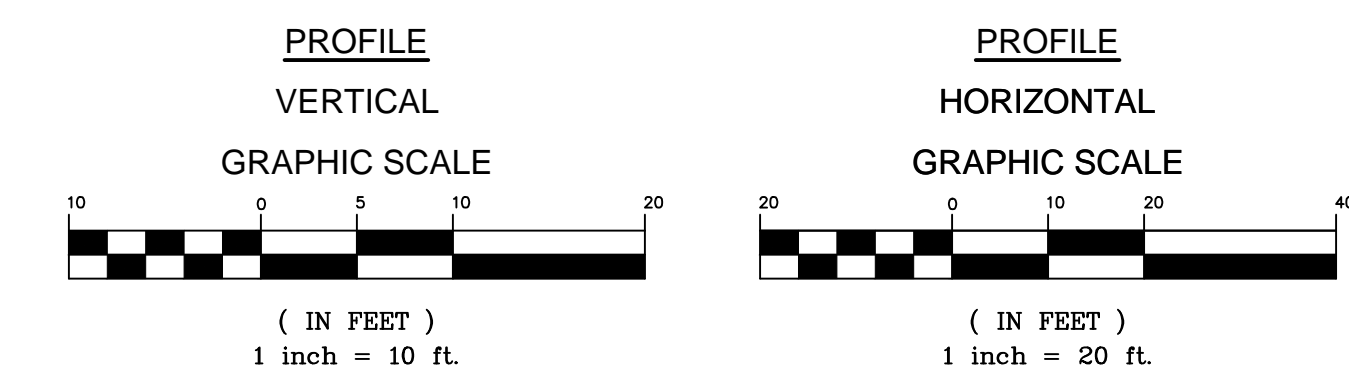
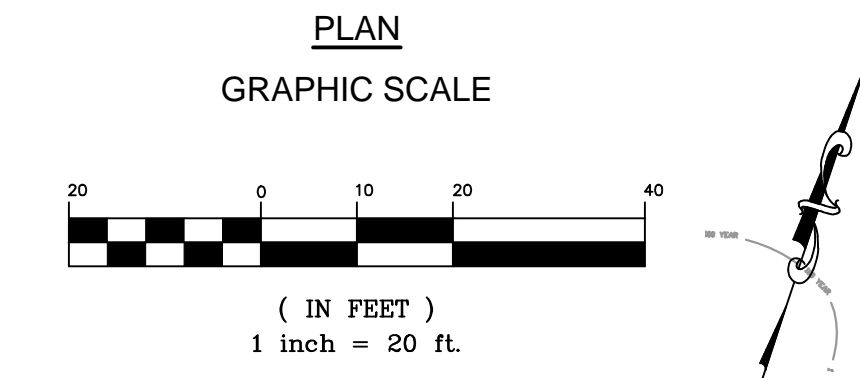
ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 20'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

C-5

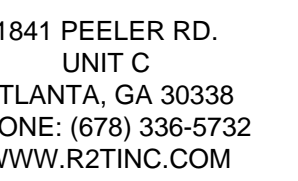


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**DEKALB COUNTY
DEPARTMENT OF
WATERSHED
MANAGEMENT**

DEKALB COUNTY, GEORGIA

**PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 83, 100, 102, 103, 113, 118, & 119
TO R2T INC. DISTRICT 18**

[illegible]

HEET TITLE: 22 of 65
SEWER MAIN
PLAN & PROFILE
SITE 2
STA 10+00 - 15+00

SUED: 5.27.16

PROJECT NO.

SCALE: 1" = 20'

WIKD BY: A.R.

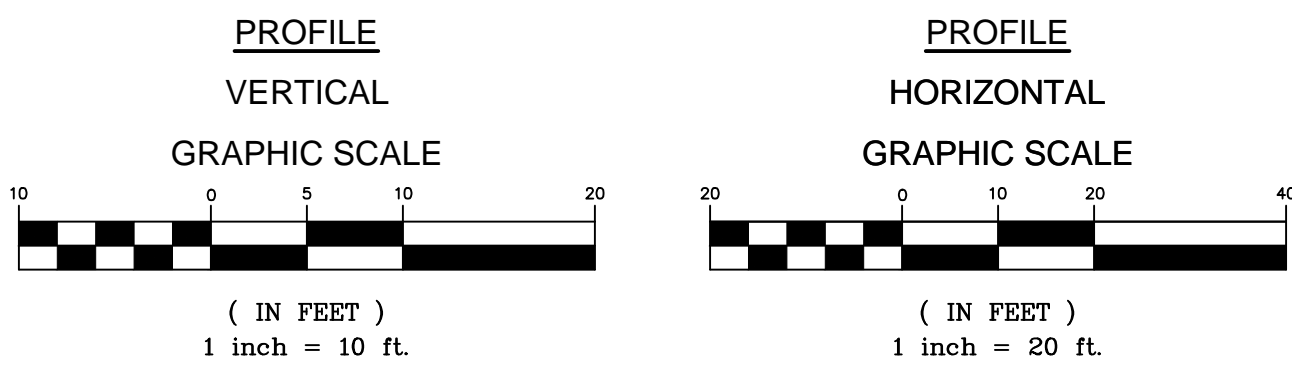
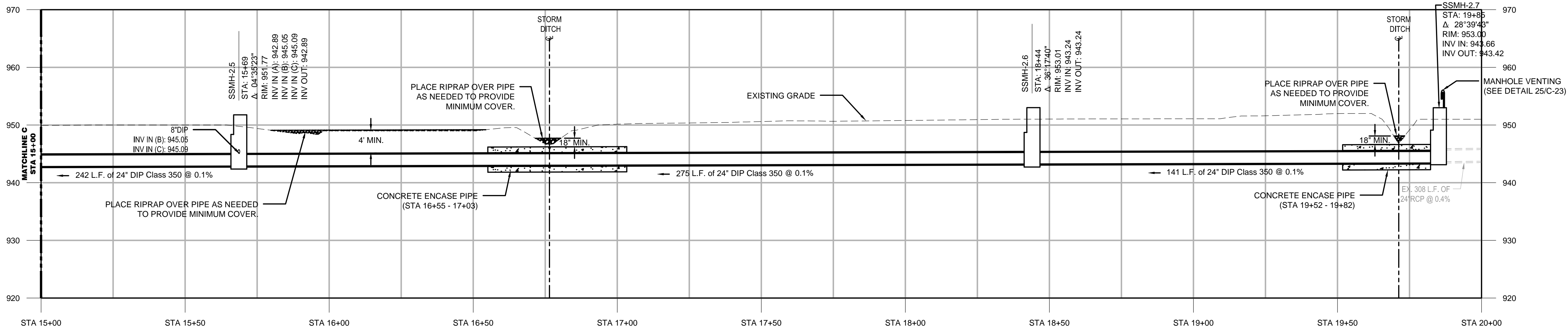
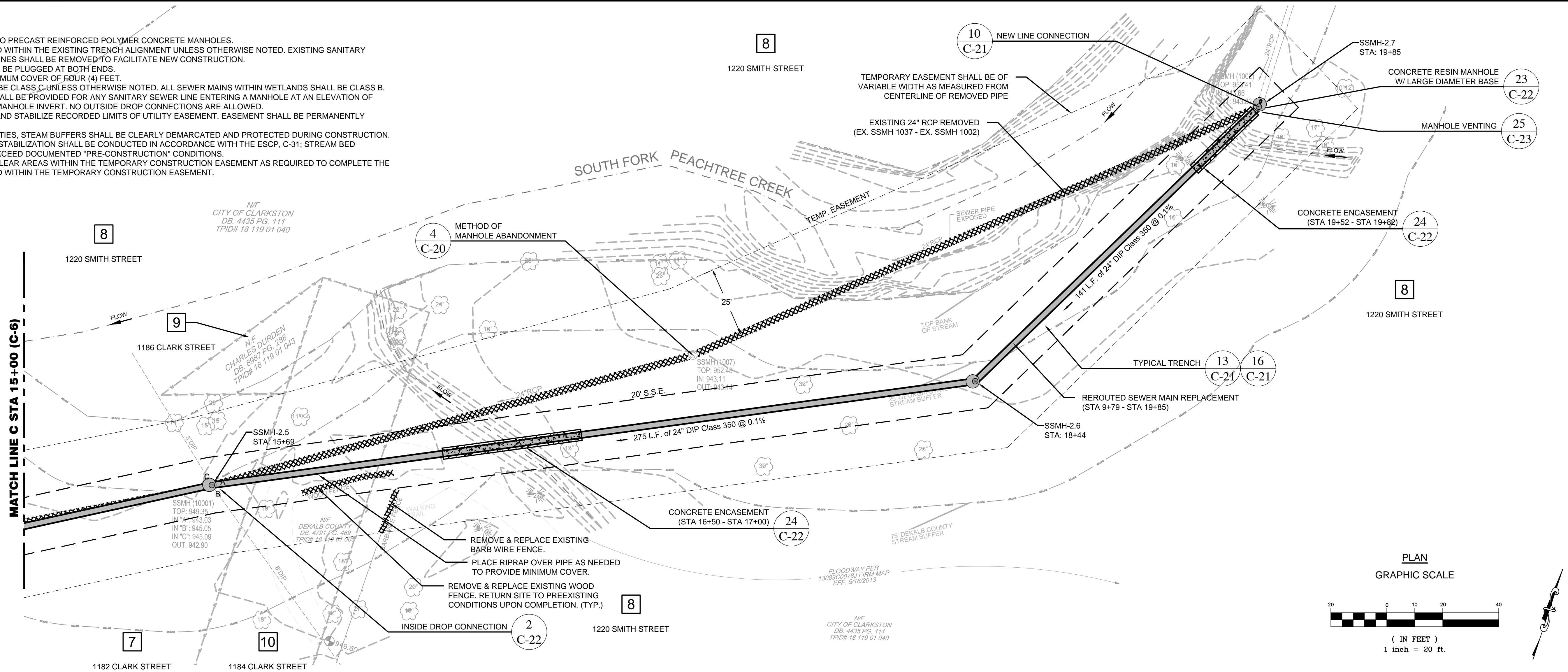
DESIGNED BY: J.J.

DRAWN BY: J.J.

C-6

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5 SEWER MAIN PROFILE (STA 15+00 - STA 20+00)
SCALE: 1" = 20' (HORZ.)
1" = 10' (VERT.)



1841 PEELER RD.
UNIT C
ATLANTA, GA 30338
PHONE: (678) 336-5732
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PROJECT:
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PEACHTREE CREEK
SANITARY SEWER
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LAND LOTS 63, 100, 102, 103, 113, 118, & 119
DISTRICT 18
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STAMP:



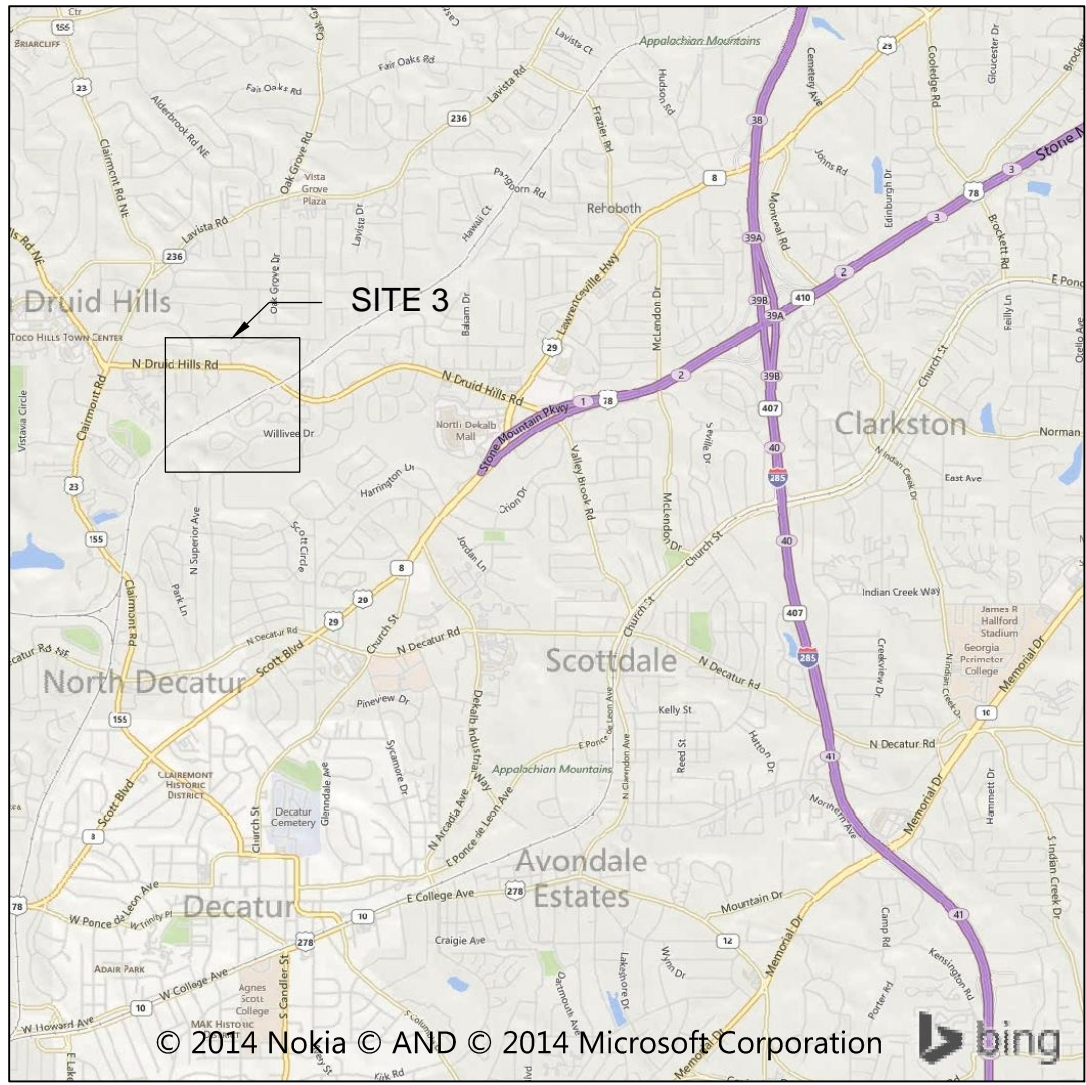
SHEET TITLE: 23 of 65
SEWER MAIN
PLAN & PROFILE
SITE 2
STA 15+00 - 20+00

ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 20'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

C-7



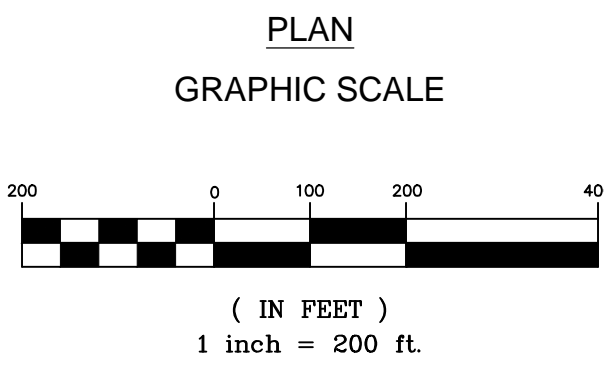
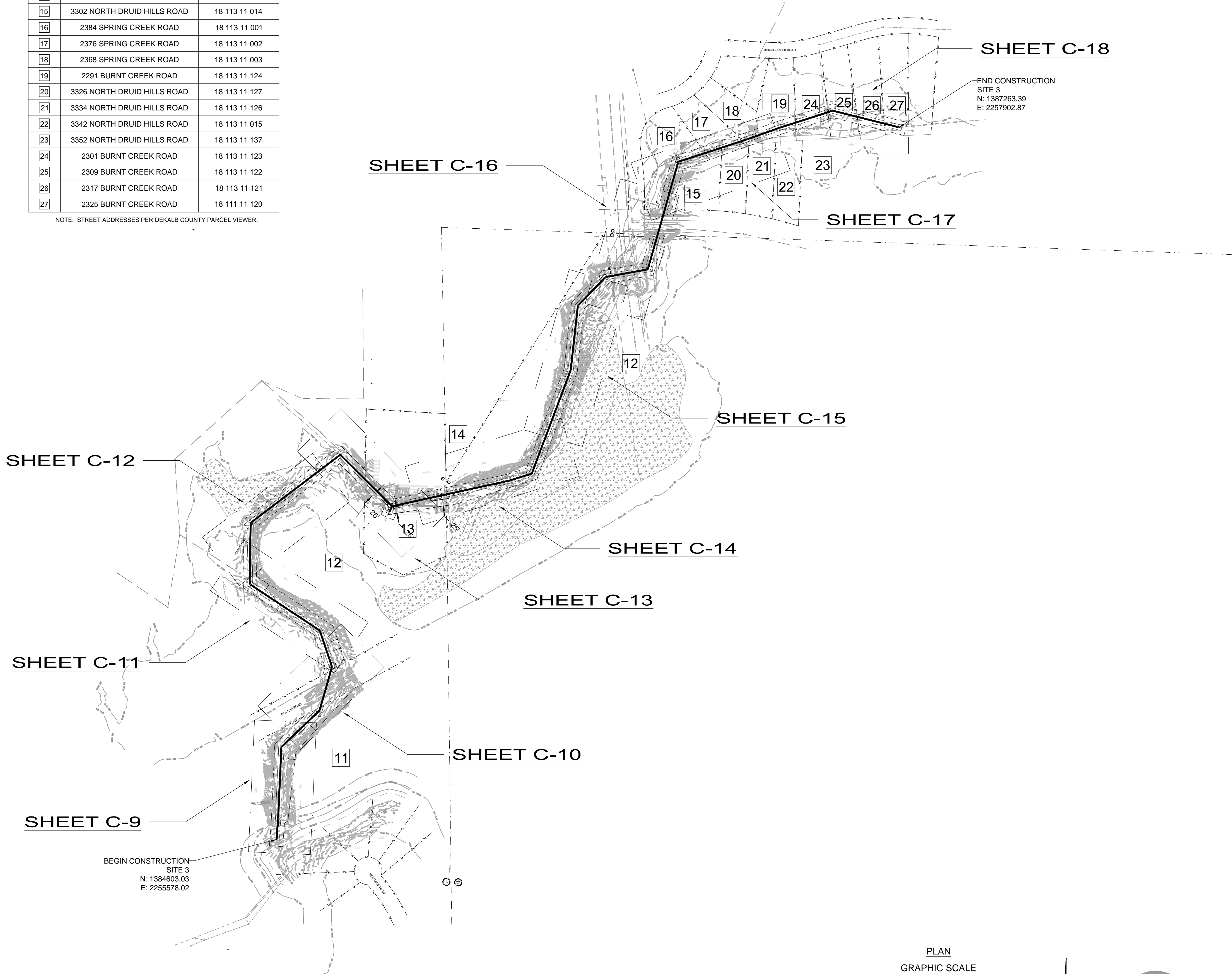
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1 SITE 3 LOCATION MAP
SCALE 1" = 5000'

STREET ADDRESS NUMBERS - SITE 3		
KEY #	ADDRESS	TAX PARCEL
11	148 DESMOND DRIVE	18 060 13 015
12	1282 MCCONNELL DRIVE	18 103 05 049
13	1039 BLACKSHEAR DRIVE	18 103 05 079
14	1153 MOORESTOWN CIRCLE	18 102 11 001
15	3302 NORTH DRUID HILLS ROAD	18 113 11 014
16	2384 SPRING CREEK ROAD	18 113 11 001
17	2376 SPRING CREEK ROAD	18 113 11 002
18	2368 SPRING CREEK ROAD	18 113 11 003
19	2291 BURNT CREEK ROAD	18 113 11 124
20	3326 NORTH DRUID HILLS ROAD	18 113 11 127
21	3334 NORTH DRUID HILLS ROAD	18 113 11 126
22	3342 NORTH DRUID HILLS ROAD	18 113 11 015
23	3352 NORTH DRUID HILLS ROAD	18 113 11 137
24	2301 BURNT CREEK ROAD	18 113 11 123
25	2309 BURNT CREEK ROAD	18 113 11 122
26	2317 BURNT CREEK ROAD	18 113 11 121
27	2325 BURNT CREEK ROAD	18 111 11 120

NOTE: STREET ADDRESSES PER DEKALB COUNTY PARCEL VIEWER.



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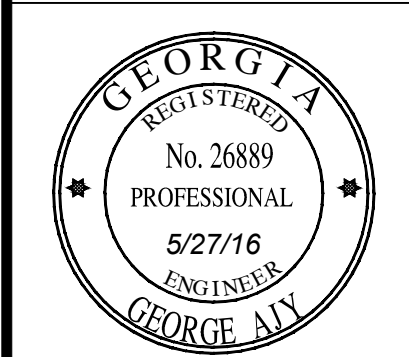
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DEKALB COUNTY, GEORGIA

PROJECT:
SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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REV	DATE	DESCRIPTION
0	5/27/16	INITIAL ISSUE
1	12/9/16	REVIEW COMMENTS

STAMP:



SHEET TITLE: 24 of 65

KEY SHEET
SITE 3
SEGMENT 2, 4, 5

ISSUED: 5.27.16

PROJECT NO.

SCALE: 1" = 200'

CHKD BY: A.R.

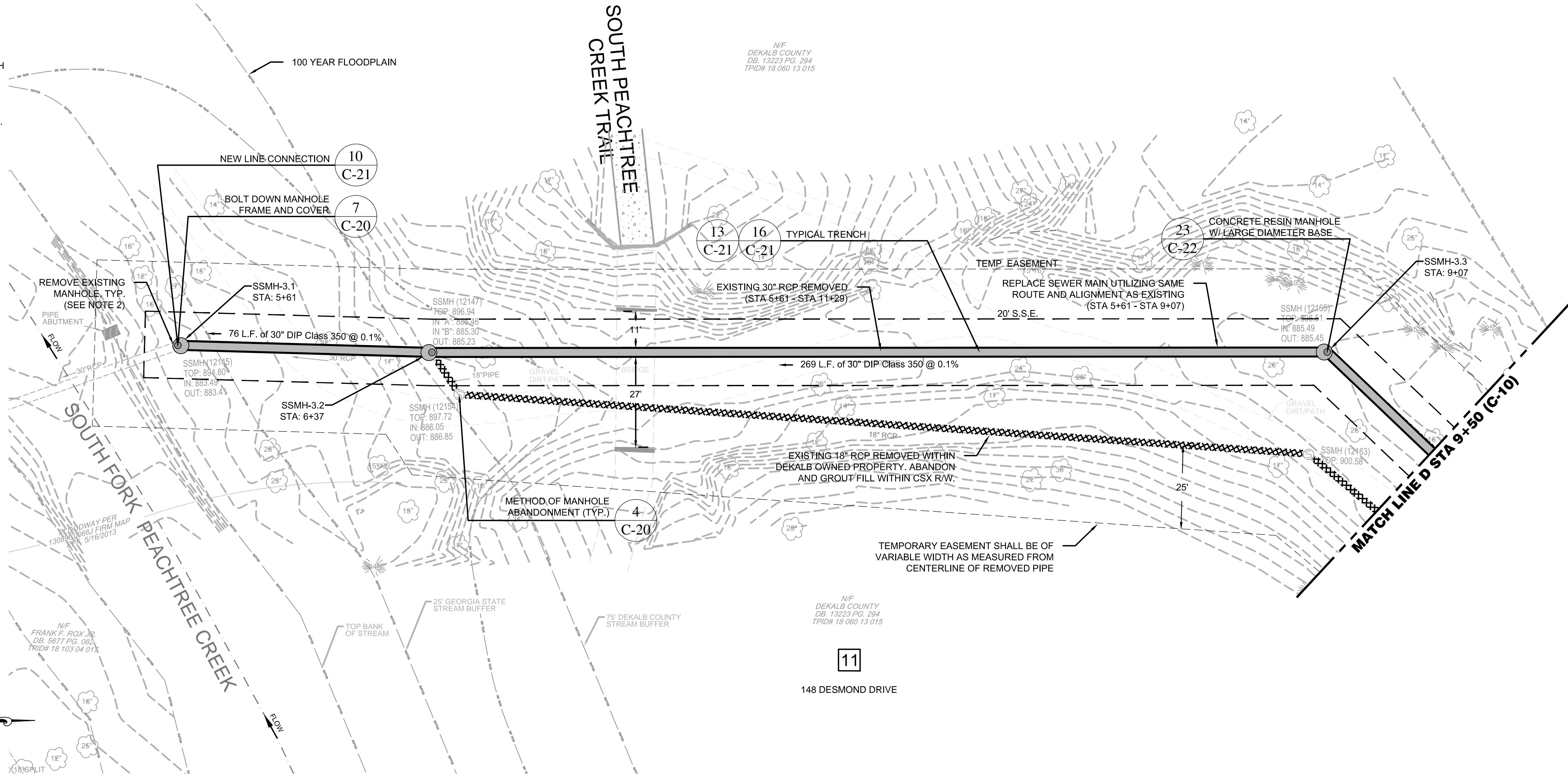
DESIGNED BY: J.J.

DRAWN BY: J.J.

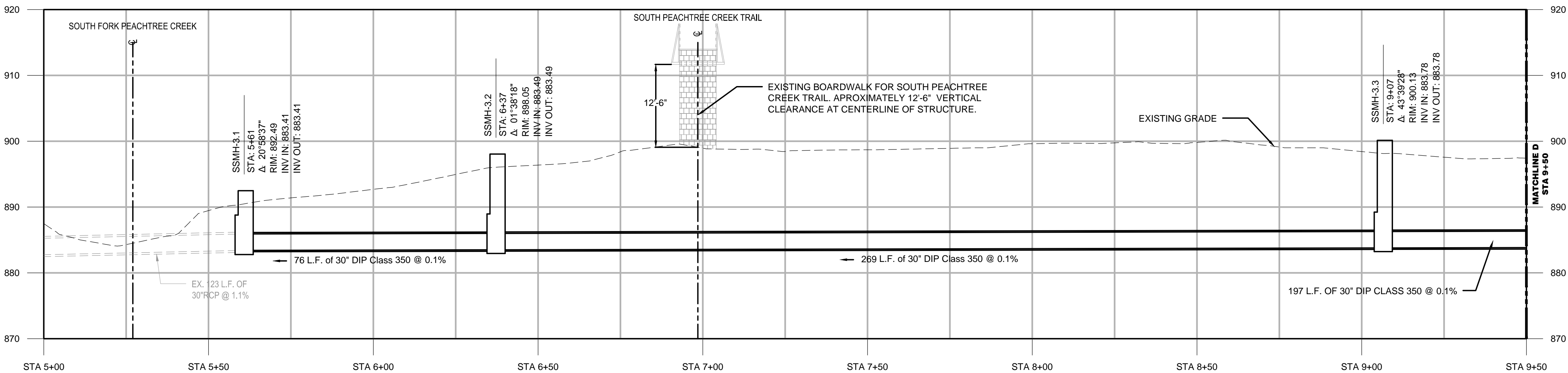
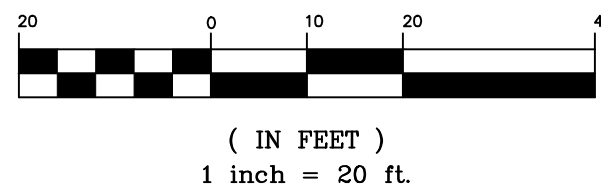
C-8

NOTES

- ALL PROPOSED MANHOLES ARE TO PRECAST REINFORCED POLYMER CONCRETE MANHOLES.
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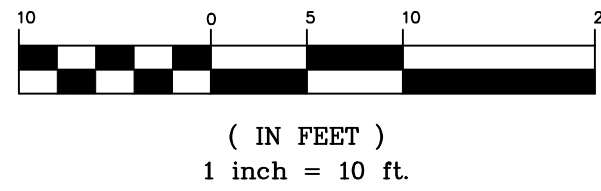


PLAN
GRAPHIC SCALE



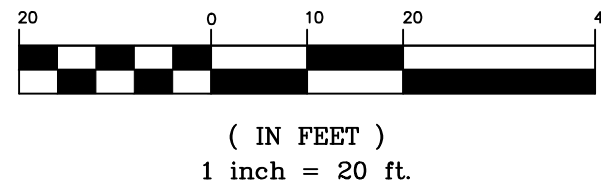
PROFILE
VERTICAL

GRAPHIC SCALE



PROFILE
HORIZONTAL

GRAPHIC SCALE



6
SEWER MAIN PROFILE (STA 5+00 - STA 9+50)
SCALE: 1" = 20' (HORZ.)
1" = 10' (VERT.)



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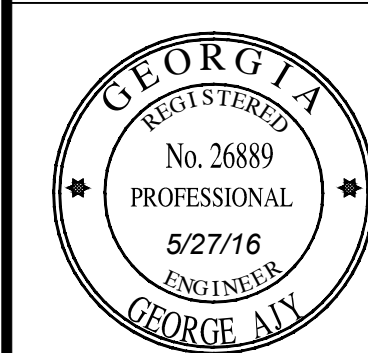
1841 PEELER RD.
UNIT C
ATLANTA, GA 30338
PHONE: (678) 336-5732
WWW.R2TINC.COM

CLIENT:
DEKALB COUNTY
DEPARTMENT OF
WATERSHED
MANAGEMENT
DEKALB COUNTY, GEORGIA

PROJECT:
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PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
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1	12/9/16	REVIEW COMMENTS

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SHEET TITLE: 25 of 65
SEWER MAIN
PLAN & PROFILE
SITE 3
STA 5+00 - 9+50

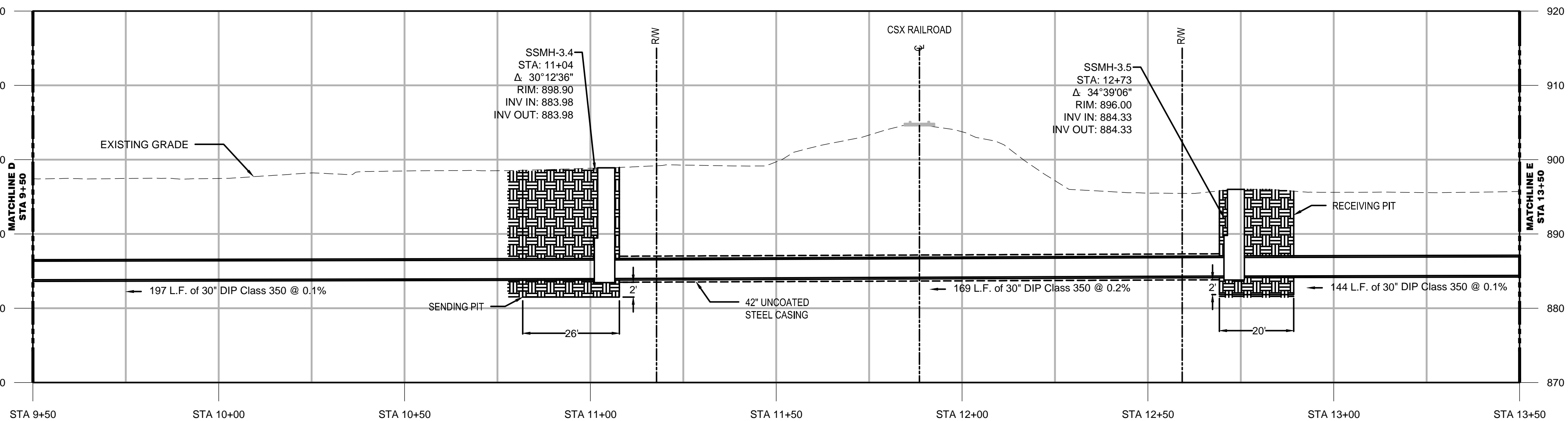
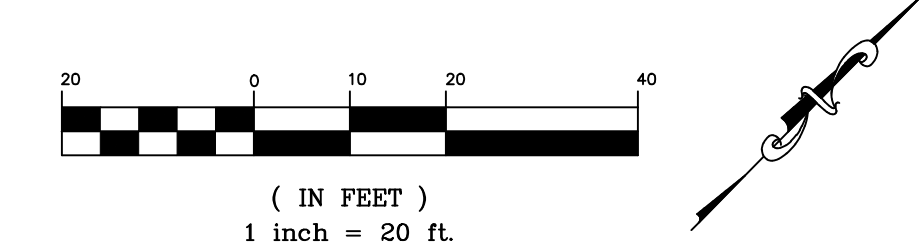
ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 20'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

C-9

NOTES

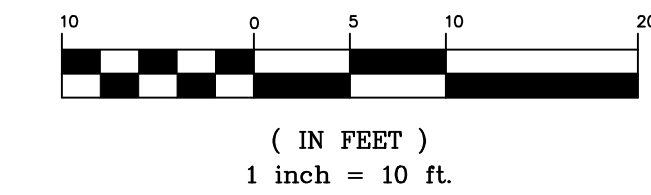
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PLAN
GRAPHIC SCALE

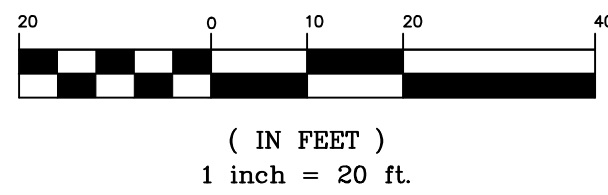


7
-
SEWER MAIN PROFILE (STA 9+50 - STA 13+50)
SCALE: 1" = 20' (HORZ.)
1" = 10' (VERT.)

PROFILE
VERTICAL
GRAPHIC SCALE



PROFILE
HORIZONTAL
GRAPHIC SCALE



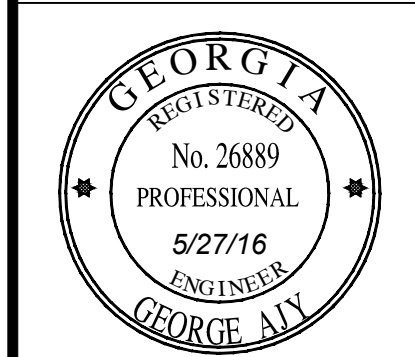
1841 PEELER RD.
UNIT C
ATLANTA, GA 30338
PHONE: (678) 336-5732
WWW.R2TINC.COM

CLIENT:
DEKALB COUNTY
DEPARTMENT OF
WATERSHED
MANAGEMENT
DEKALB COUNTY, GEORGIA

PROJECT:
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SHEET TITLE: 26 of 65
SEWER MAIN
PLAN & PROFILE
SITE 3
STA 9+50 - 13+50

ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 20'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

C-10



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PEACHTREE CREEK
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REPLACEMENT

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CLIENT:
PROJECT:

REV	DATE	DESCRIPTION
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1	12/9/16	REVIEW COMMENTS

STAMP:



SHEET TITLE: 27 of 65

SEWER MAIN
PLAN & PROFILE
SITE 3
STA 13+50 - 18+50

ISSUED: 5.27.16

PROJECT NO.

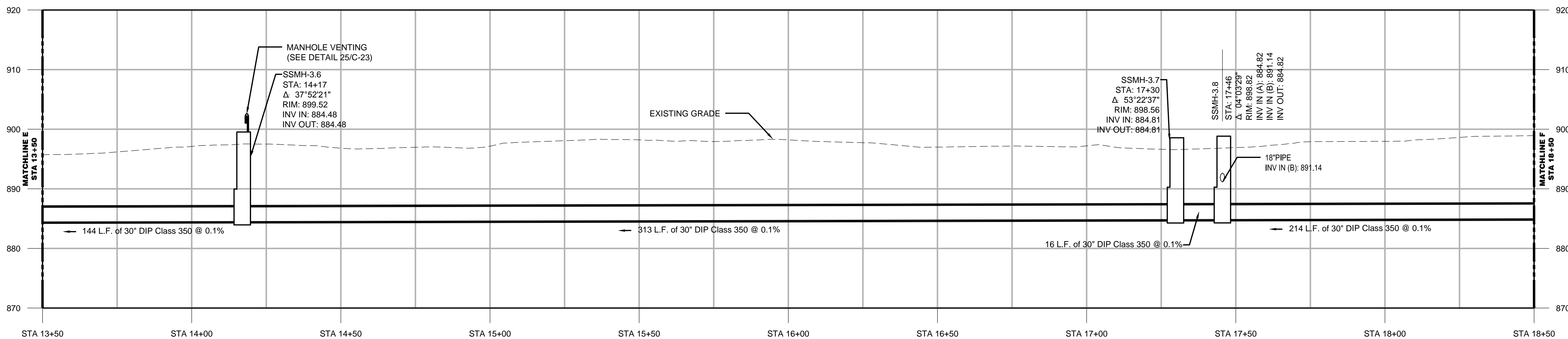
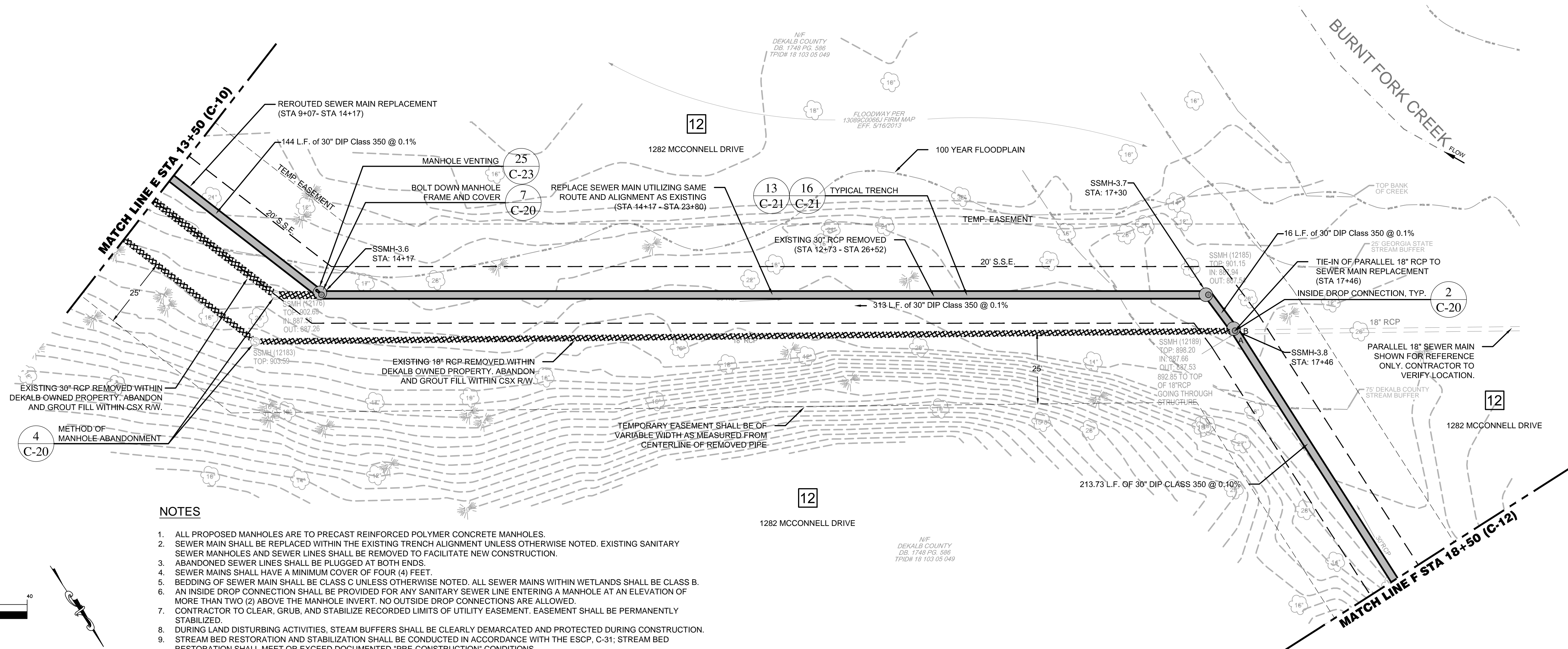
SCALE: 1" = 20'

CHKD BY: A.R.

DESIGNED BY: J.J.

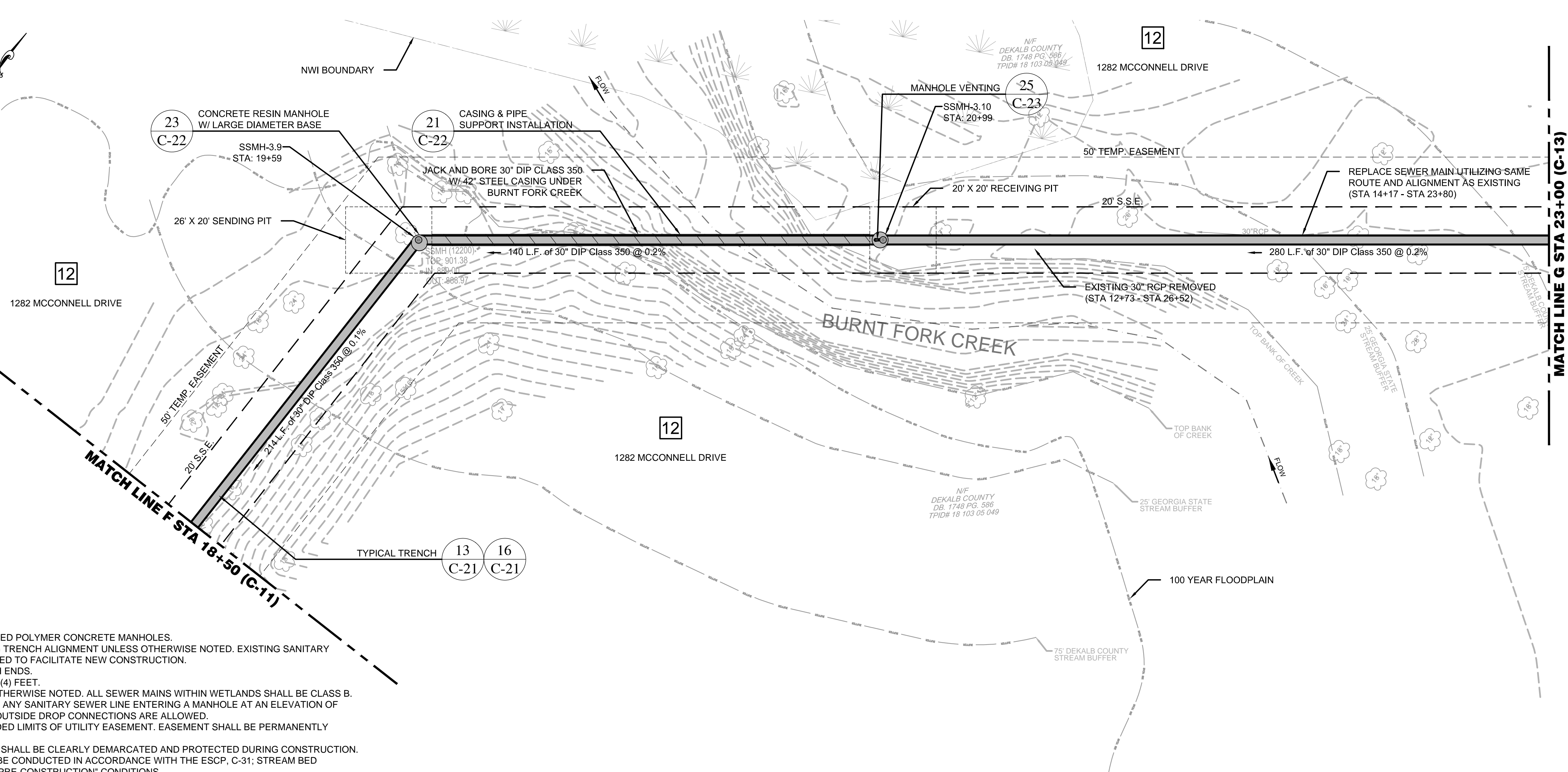
DRAWN BY: J.J.

C-11

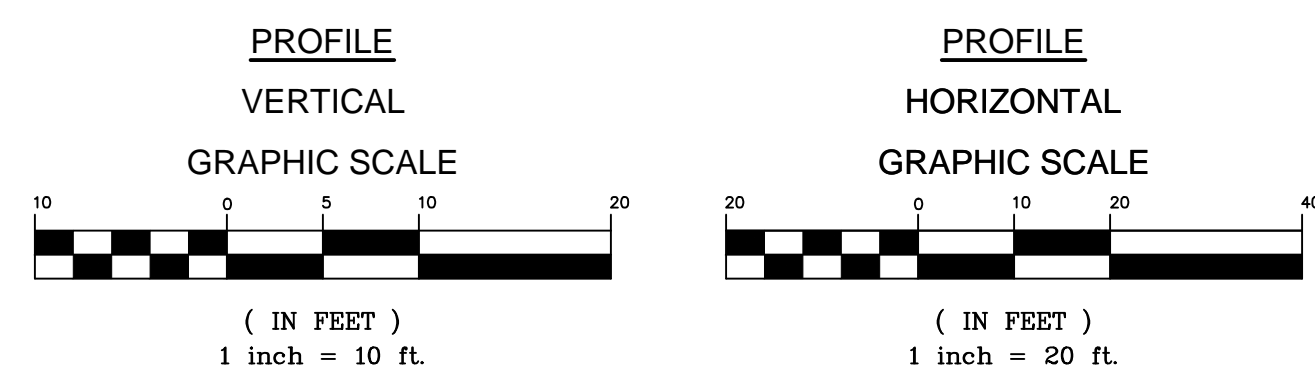
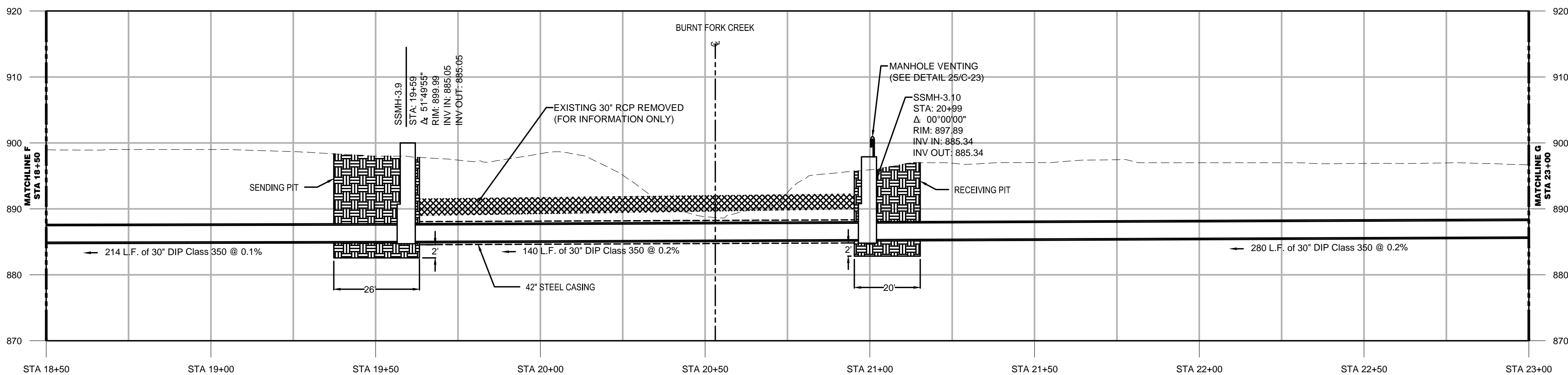


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C:\Users\Jonathan.Jones\AppData\Local\Temp\AspPublish\9712\Plans.dwg, PRINTED BY: Jonathan.Jones ON: Mon, Dec 05, 2016 AT: 10:50 AM



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9 SEWER MAIN PROFILE (STA 18+50 - STA 23+00)
- SCALE: 1" = 20' (HORZ.)
1" = 10' (VERT.)



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WWW.R2TINC.COM

SOUTH FORK PEACHTREE CREEK SANITARY SEWER REPLACEMENT AND LOTS 63, 100, 102, 103, 113, 118, & 119 D R2T INC. DISTRICT 18	CLIENT: DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT DEKALB COUNTY, GEORGIA
---	--

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REV	DATE	DESCRIPTION
0	5/27/16	INITIAL ISSUE
1	12/9/16	REVIEW COMMENTS

STAMP:



SHEET TITLE: 28 of 65

**SEWER MAIN
PLAN & PROFILE
SITE 3
STA 18+50 - 23+00**

SSUED: 5.27.16

PROJECT NO.

SCALE: 1" = 20'

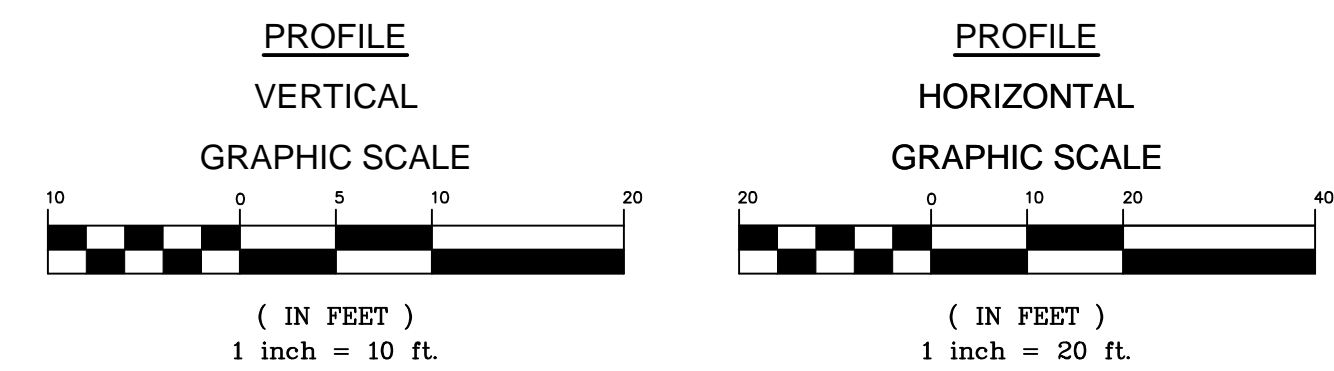
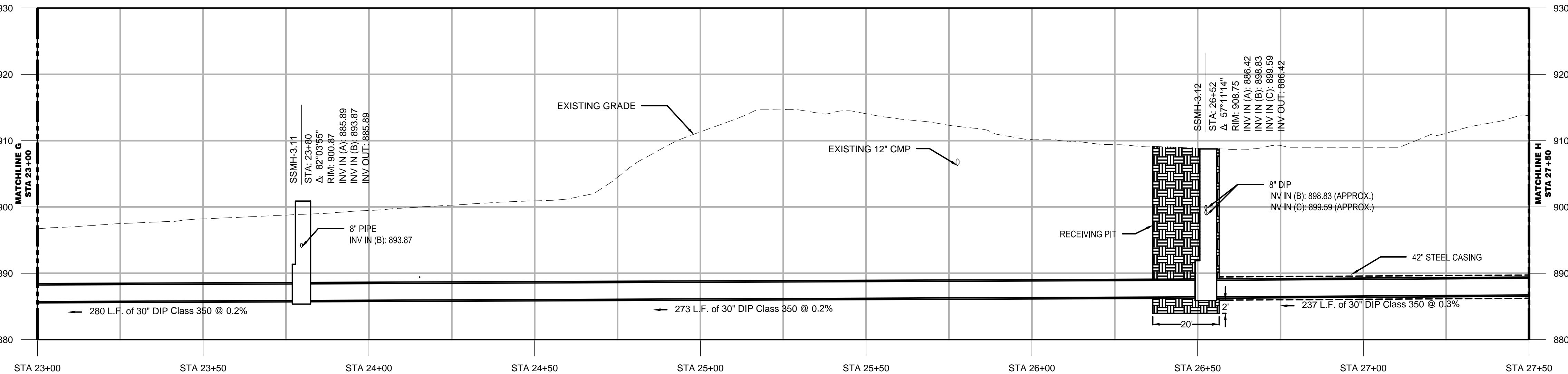
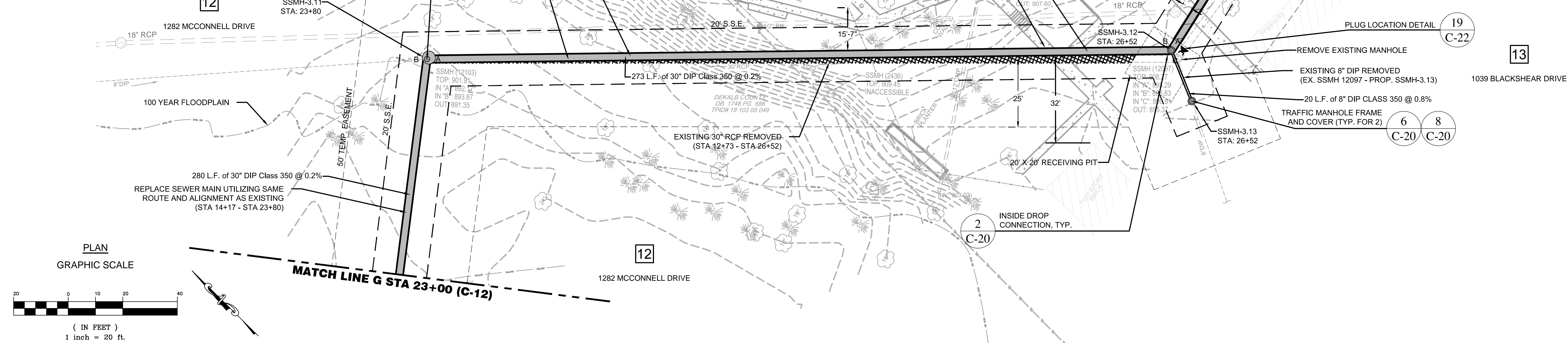
CHKD BY: A.R.

DESIGNED BY: J.J.

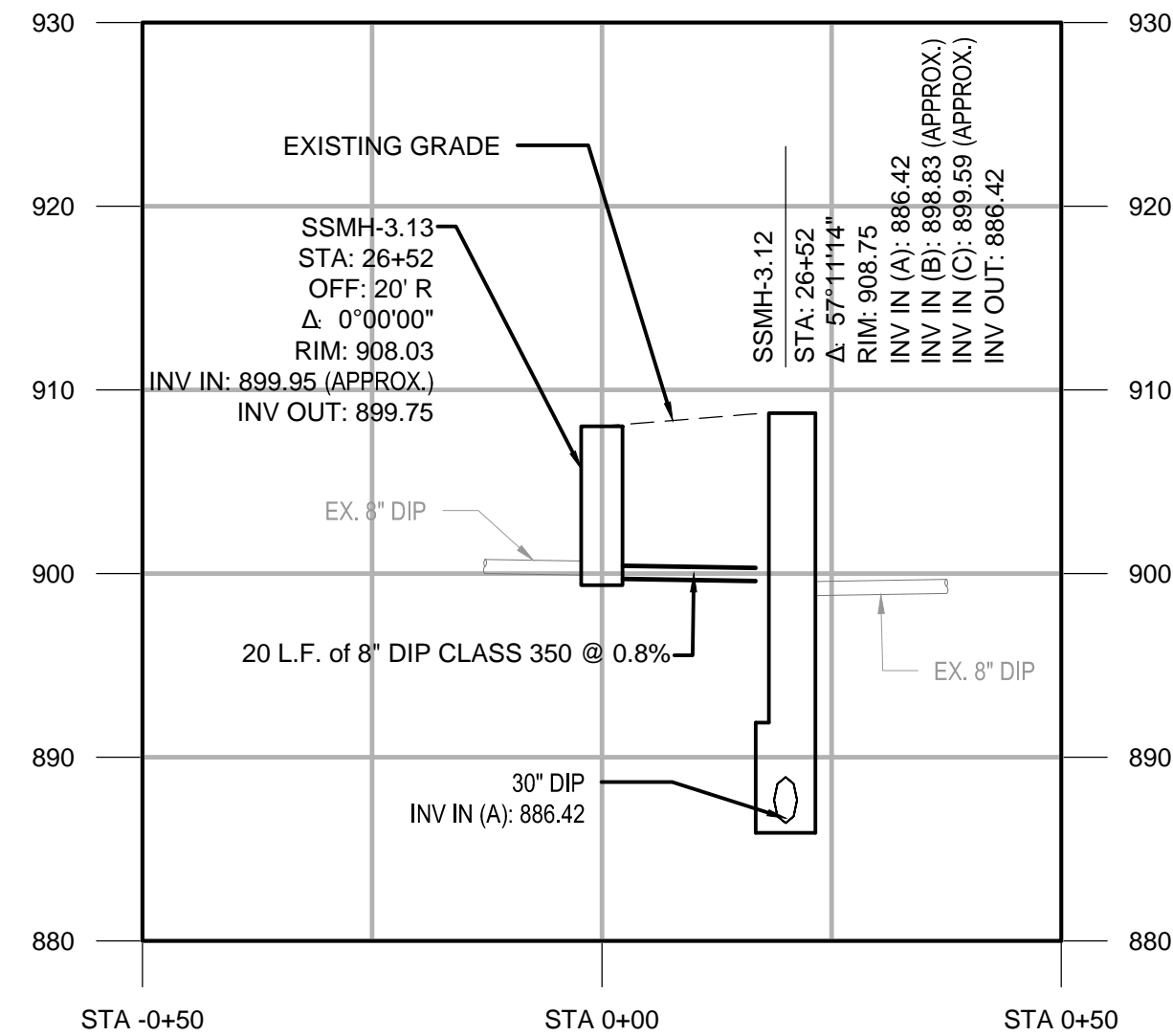
C-12

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10 SEWER MAIN PROFILE (STA 23+00 - STA 27+50)
SCALE: 1" = 20' (HORZ.)
1" = 10' (VERT.)



11 SEWER MAIN PROFILE (STA 26+50 - STA 27+50)
SCALE: 1" = 20' (HORZ.)
1" = 10' (VERT.)



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DEKALB COUNTY
DEPARTMENT OF
WATERSHED
MANAGEMENT

SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT

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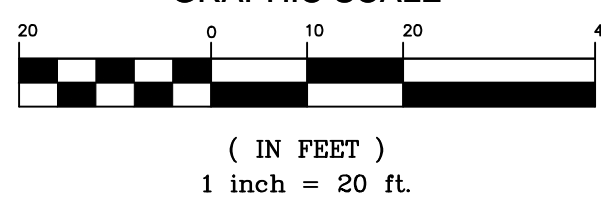
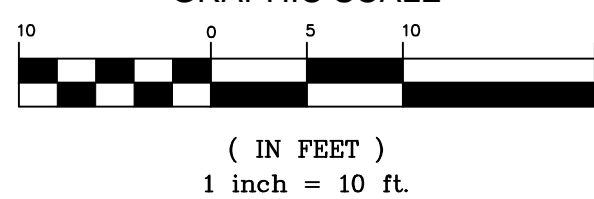
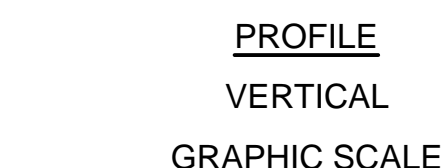
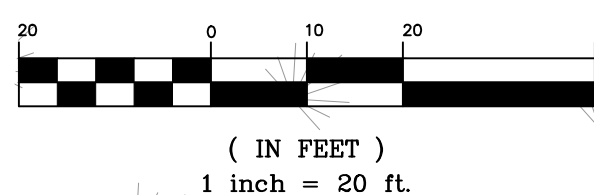


SHEET TITLE: 29 of 65
SEWER MAIN
PLAN & PROFILE
SITE 3
STA 23+00 - 27+50

ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 20'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

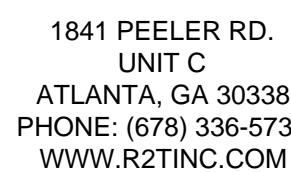
C-13

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13 SEWER MAIN PROFILE (STA 33+50 - STA 39+50)
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DEPARTMENT OF
WATERSHED
MANAGEMENT

**SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT**

	0	5/27/16	INITIAL ISSUE
	1	12/9/16	REVIEW COMMENTS



SEWER MAIN
PLAN & PROFILE
SITE 3
STA 33+50 - 39+

DATED: 5.27.16
 PROJECT NO.
 SCALE: 1" = 20'
 DRAWN BY: A.R.
 DESIGNED BY: J.J.
 CHECKED BY: J.J.

C-15

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GEORGIA POWER DETAILS		
LAND LOT	102	
DISTRICT	18	
COUNTY	DEKALB	
GPS COORDINATES	LATITUDE	LONGITUDE
ENCROACHMENT START	N33° 48' 44"	W84° 17' 50"
ENCROACHMENT END	N33° 48' 44"	W84° 17' 51"



1841 PEELER RD.
UNIT C
ATLANTA, GA 30338
PHONE: (678) 336-5732
WWW.R2TINC.COM

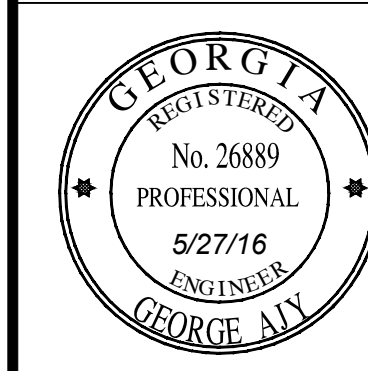
DEKALB COUNTY
DEPARTMENT OF
WATERSHED
MANAGEMENT
DEKALB COUNTY, GEORGIA

SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
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CLIENT:
PROJECT:

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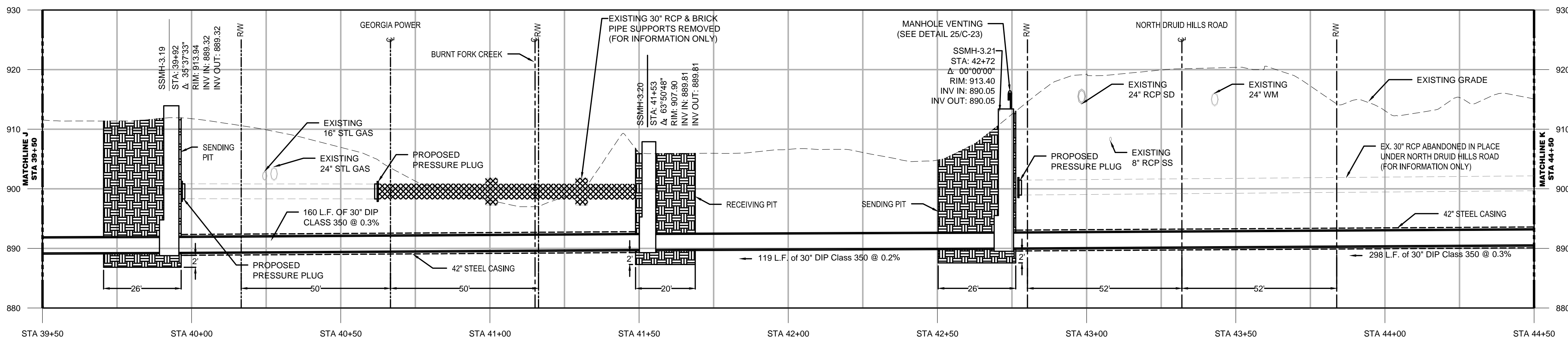
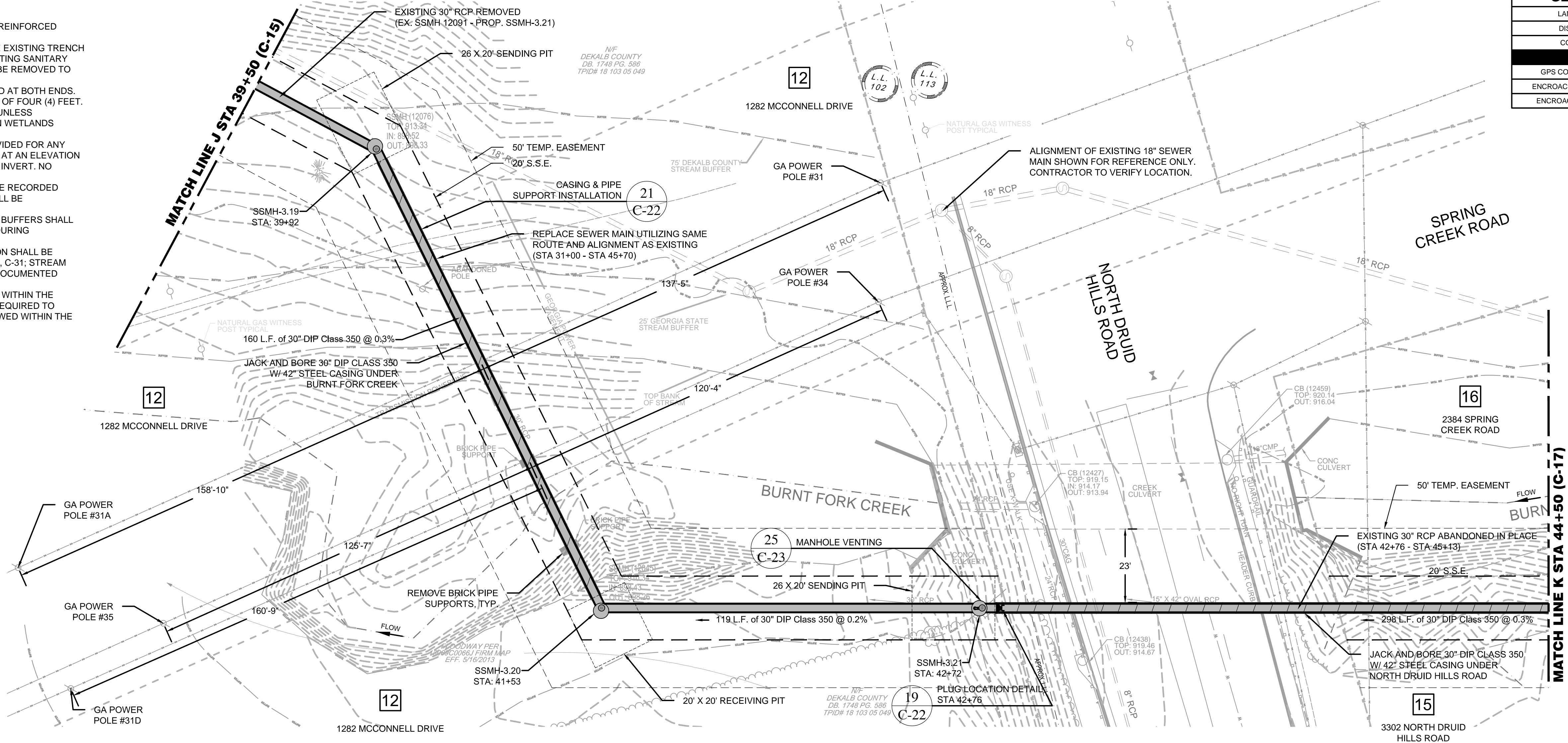
STAMP:



SHEET TITLE: 32 of 65
SEWER MAIN
PLAN & PROFILE
SITE 3
STA 39+50 - 44+50

ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 20'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

C-16

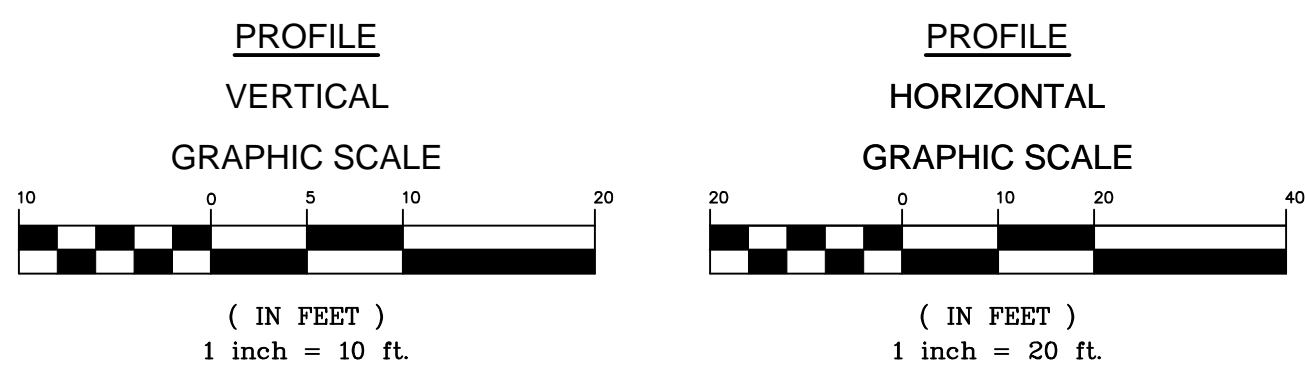


14 SEWER MAIN PROFILE (STA 39+50 - STA 44+50)
SCALE: 1" = 20' (HORIZ.)
1" = 10' (VERT.)



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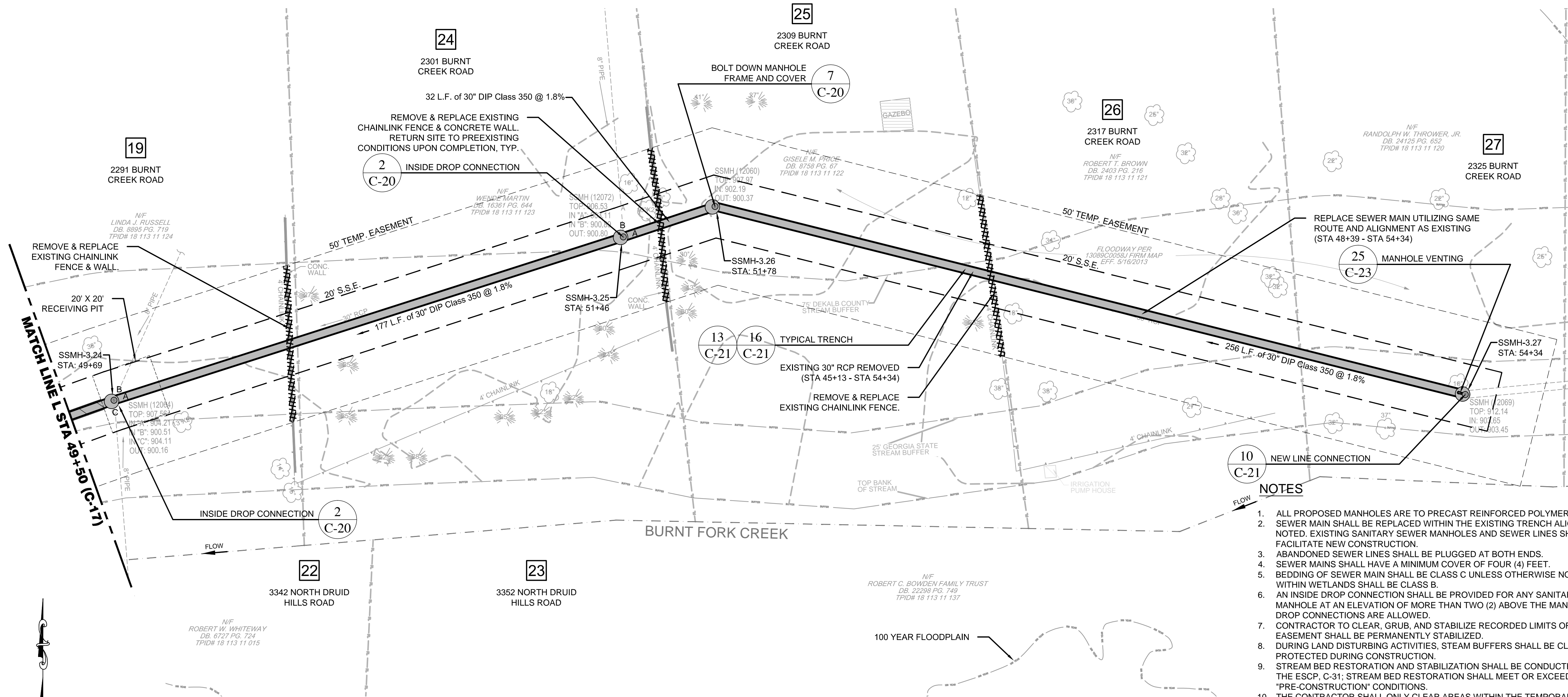
SHEET TITLE: 33 of 65

**SEWER MAIN
PLAN & PROFILE
SITE 3
STA 44+50 - 49+50**

ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 20'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

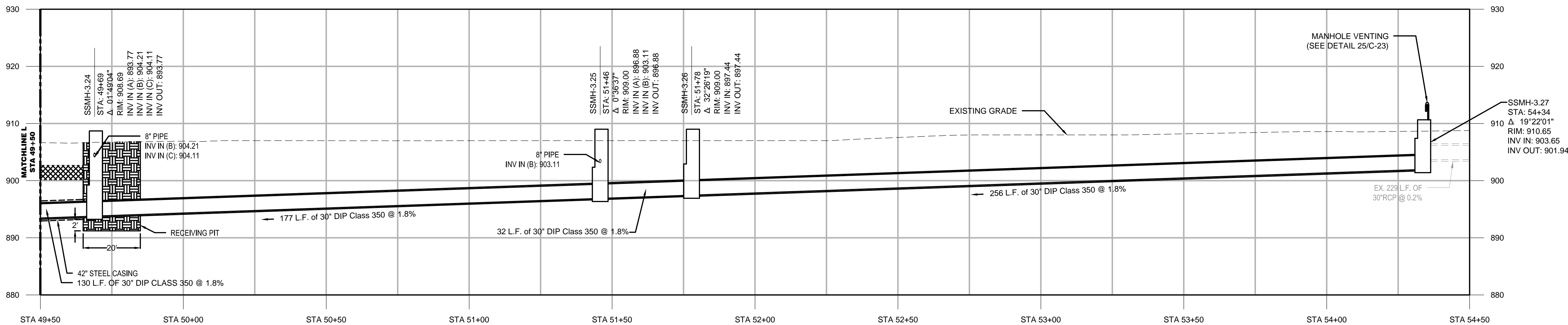
C-17

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NOTES

1. ALL PROPOSED MANHOLES ARE TO PRECAST REINFORCED POLYMER CONCRETE MANHOLES.
2. SEWER MAIN SHALL BE REPLACED WITHIN THE EXISTING TRENCH ALIGNMENT UNLESS OTHERWISE NOTED. EXISTING SANITARY SEWER MANHOLES AND SEWER LINES SHALL BE REMOVED TO FACILITATE NEW CONSTRUCTION.
3. ABANDONED SEWER LINES SHALL BE PLUGGED AT BOTH ENDS.
4. SEWER MAINS SHALL HAVE A MINIMUM COVER OF FOUR (4) FEET.
5. BEDDING OF SEWER MAIN SHALL BE CLASS C UNLESS OTHERWISE NOTED. ALL SEWER MAINS WITHIN WETLANDS SHALL BE CLASS B.
6. AN INSIDE DROP CONNECTION SHALL BE PROVIDED FOR ANY SANITARY SEWER LINE ENTERING A MANHOLE AT AN ELEVATION OF MORE THAN TWO (2) ABOVE THE MANHOLE INVERT. NO OUTSIDE DROP CONNECTIONS ARE ALLOWED.
7. CONTRACTOR TO CLEAR, GRUB, AND STABILIZE RECORDED LIMITS OF UTILITY EASEMENT. EASEMENT SHALL BE PERMANENTLY STABILIZED.
8. DURING LAND DISTURBING ACTIVITIES, STREAM BUFFERS SHALL BE CLEARLY DEMARCATED AND PROTECTED DURING CONSTRUCTION.
9. STREAM BED RESTORATION AND STABILIZATION SHALL BE CONDUCTED IN ACCORDANCE WITH THE ESCP. C-31; STREAM BED RESTORATION SHALL MEET OR EXCEED DOCUMENTED "PRE-CONSTRUCTION" CONDITIONS.
10. THE CONTRACTOR SHALL ONLY CLEAR AREAS WITHIN THE TEMPORARY CONSTRUCTION EASEMENT AS REQUIRED TO COMPLETE THE WORK. NO GRUBBING IS ALLOWED WITHIN THE TEMPORARY CONSTRUCTION EASEMENT.



SEWER MAIN PROFILE (STA 49+50 - STA 54+50)

SCALE: 1" = 20' (HORZ.)
1" = 10' (VERT.)



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DEPARTMENT OF
WATERSHED
MANAGEMENT
DEKALB COUNTY, GEORGIA

SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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SHEET TITLE: 34 of 65
SEWER MAIN
PLAN & PROFILE
SITE 3
STA 49+50 - 54+50

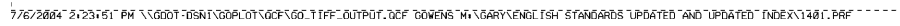
ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 20'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

C-18



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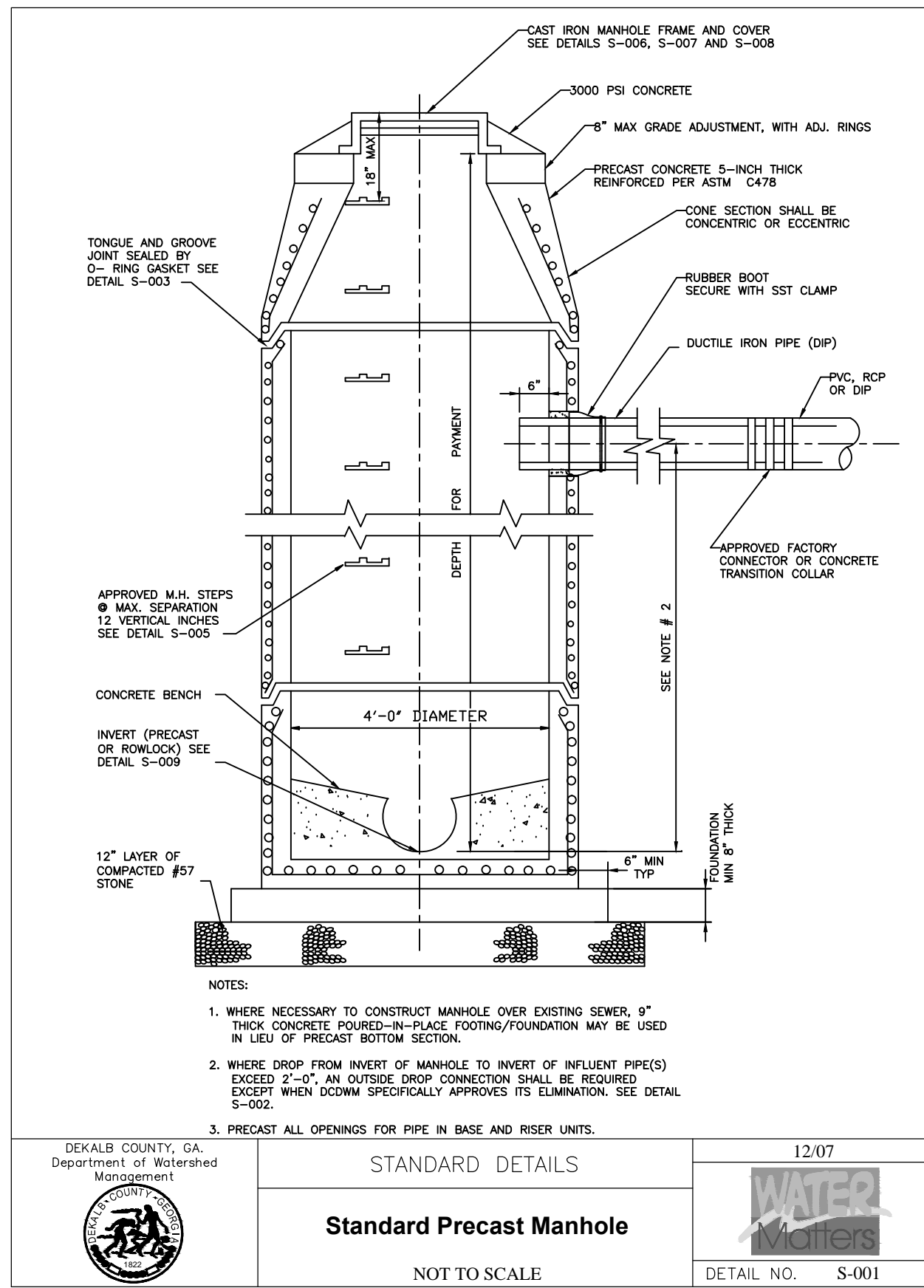
1 SANITARY SEWER PIPE SCHEDULE



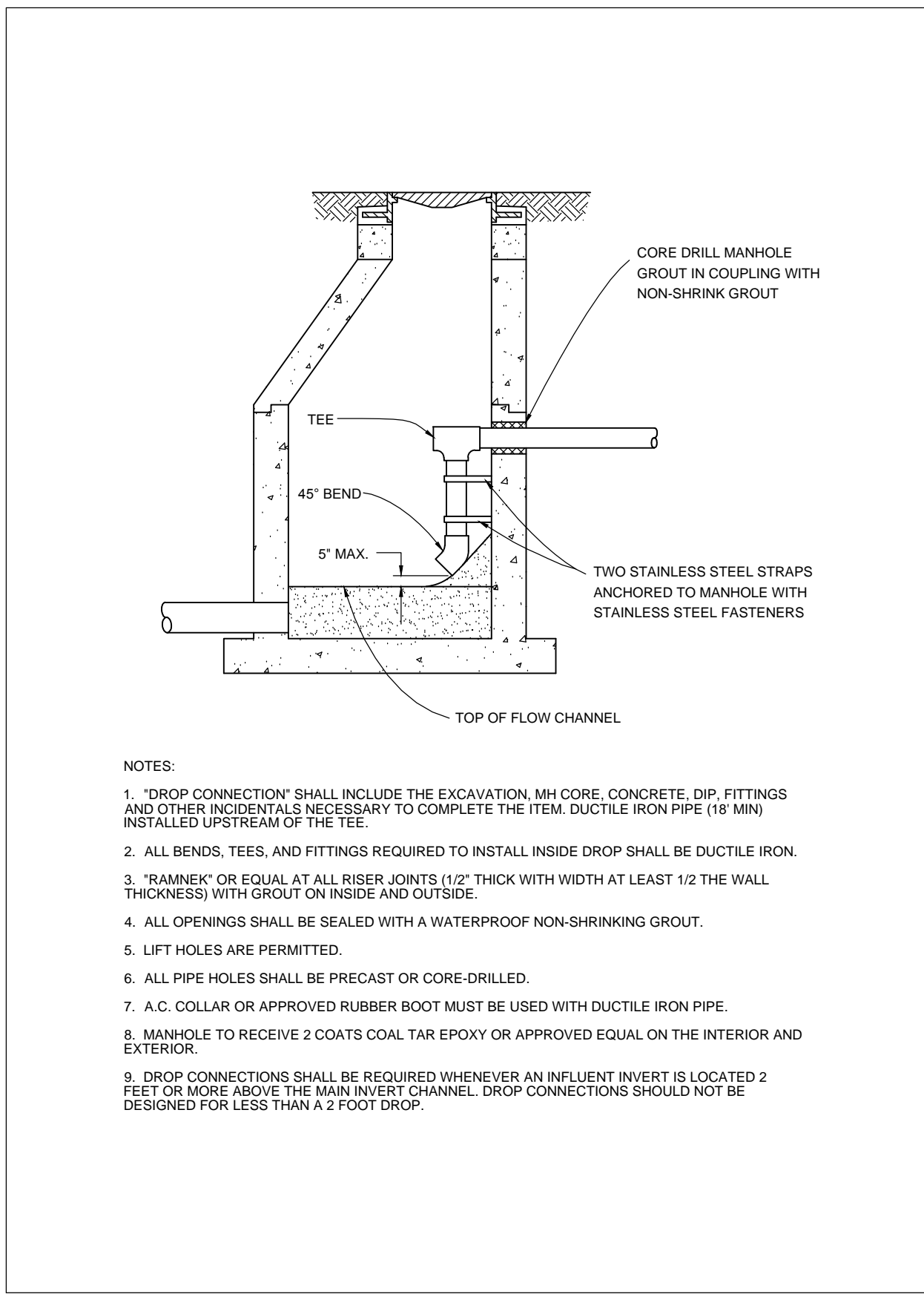
2 SANITARY SEWER MANHOLE SCHEDULE


$$\frac{4}{-}$$

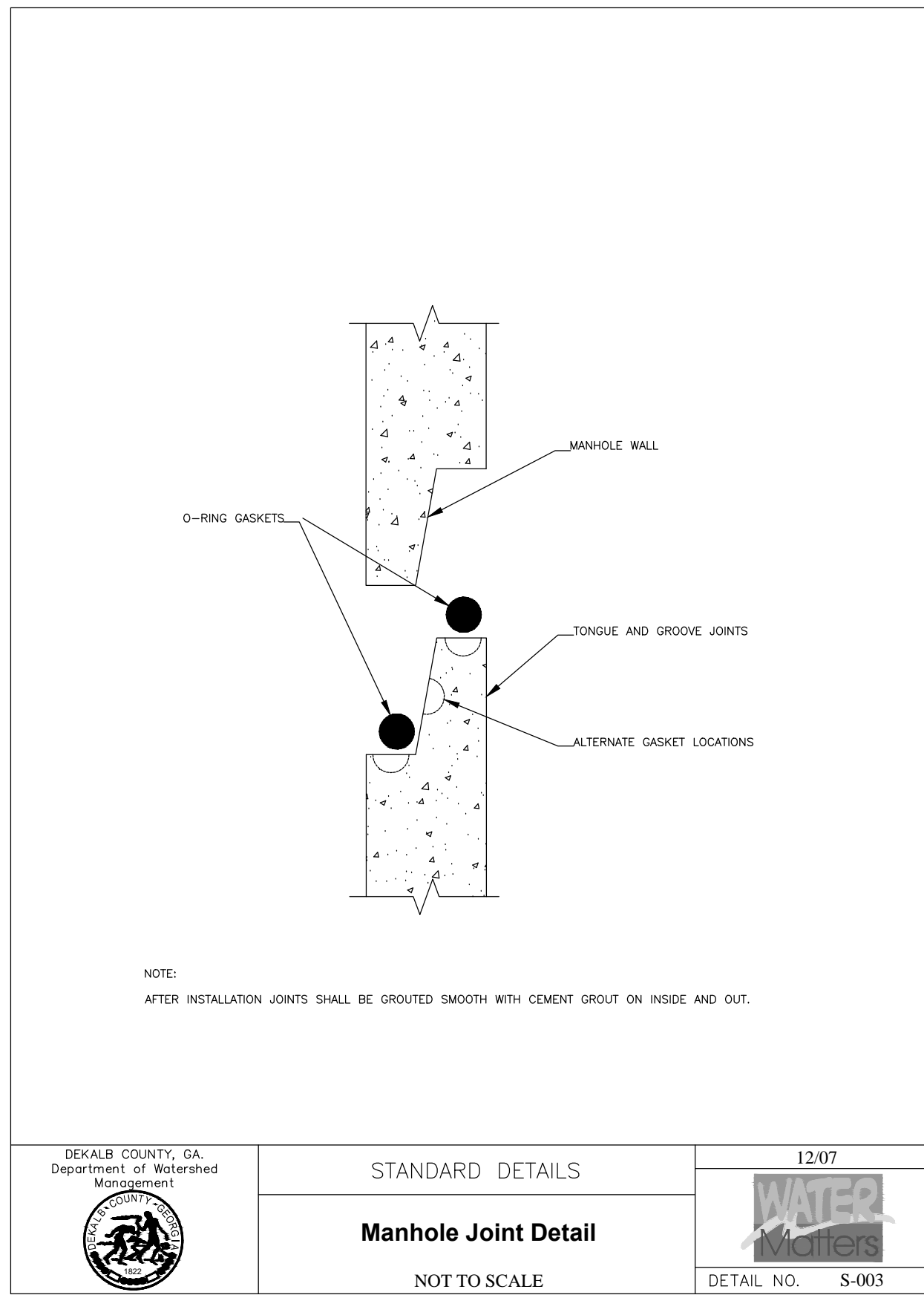

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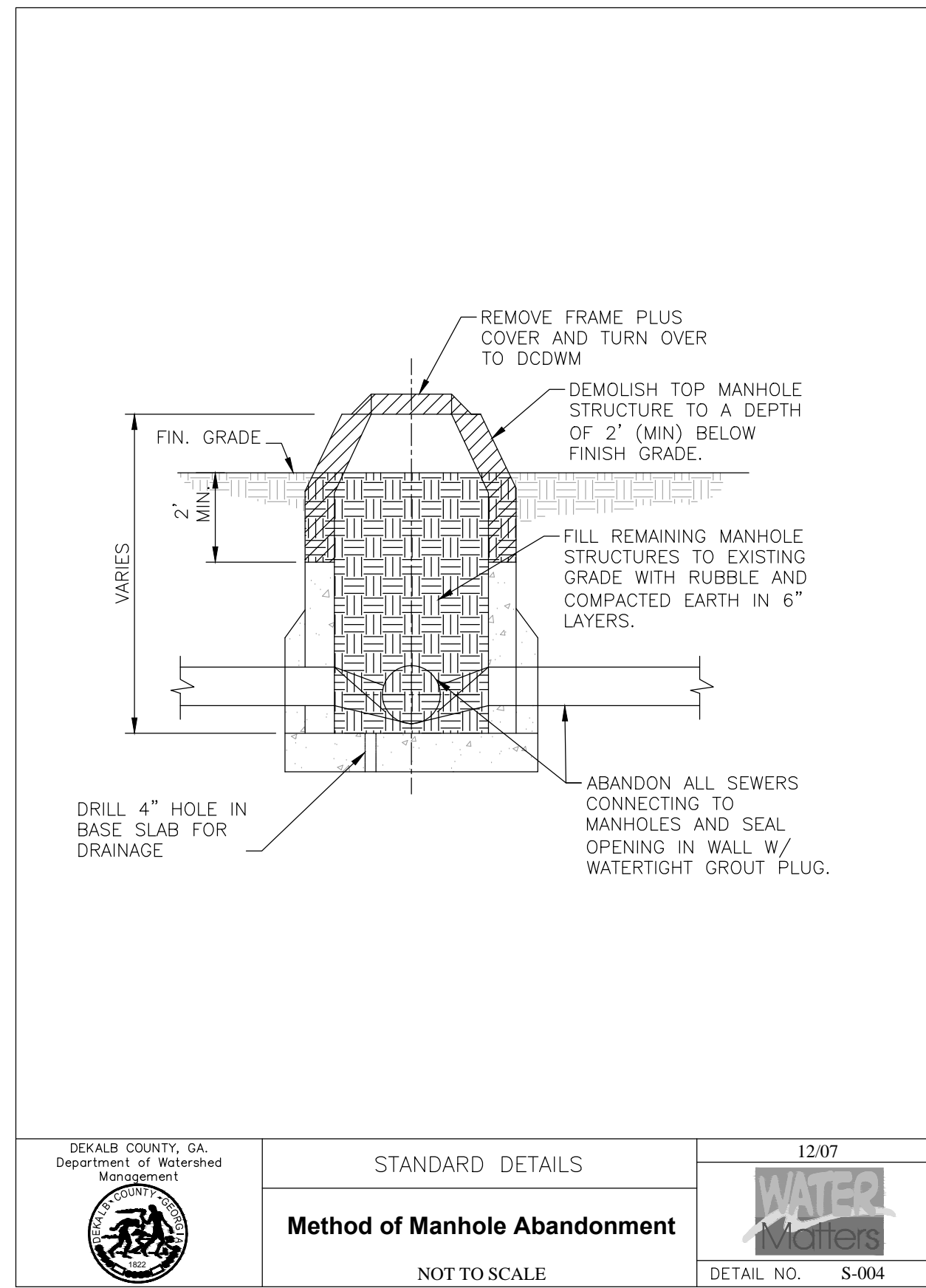
1 STANDARD PRECAST MANHOLE



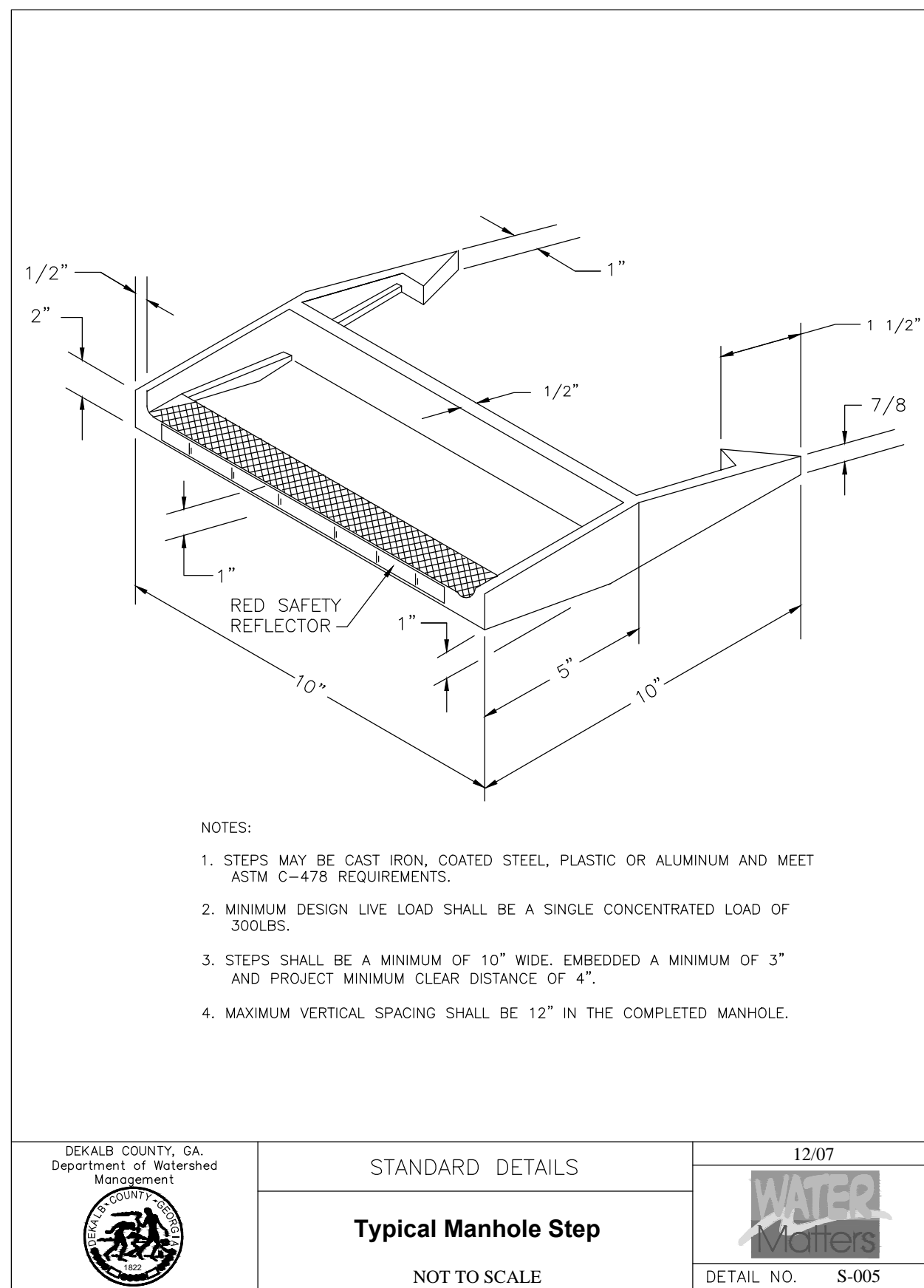
2 INSIDE DROP CONNECTION FOR PRECAST MANHOLE



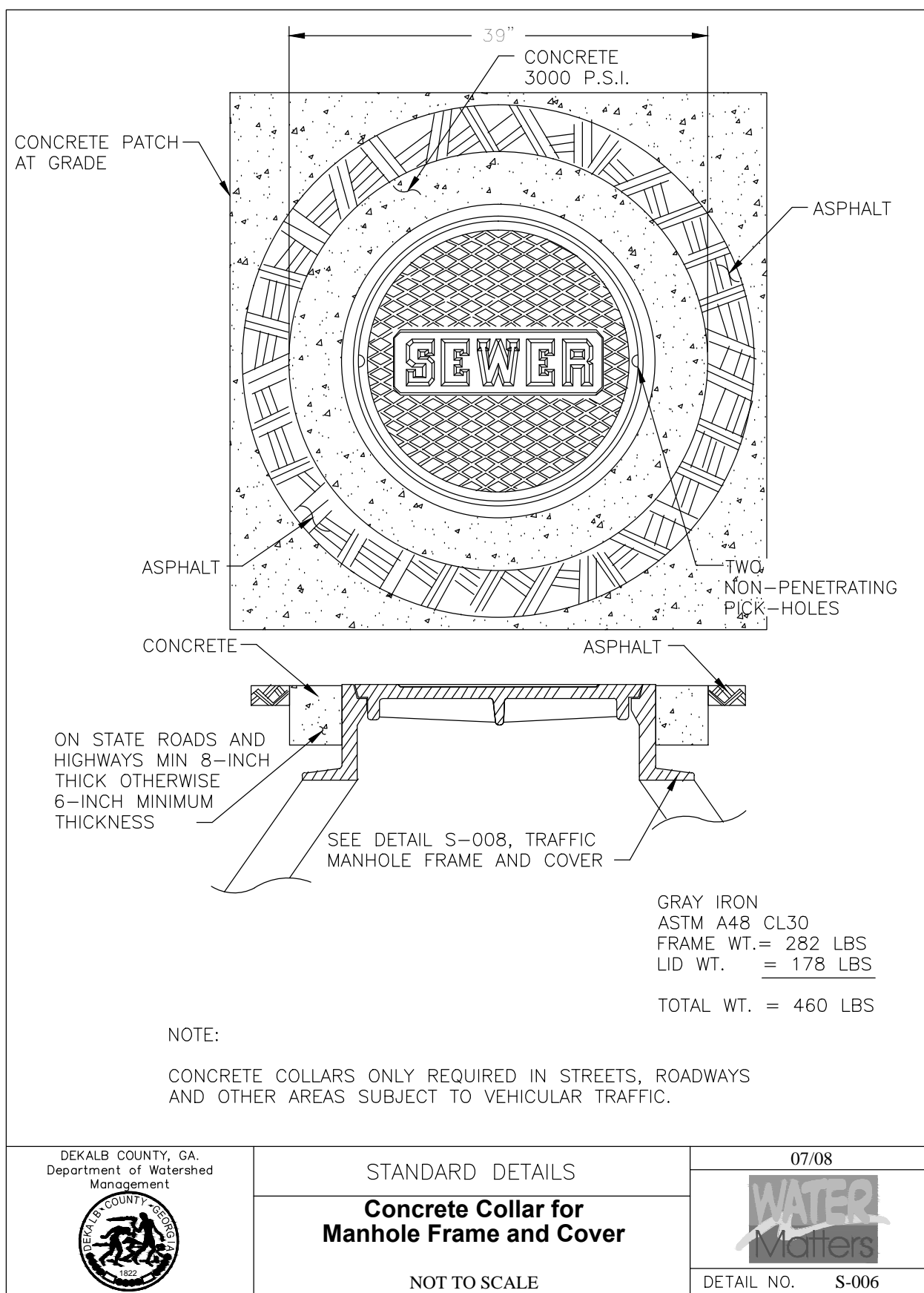
3 MANHOLE JOINT DETAIL



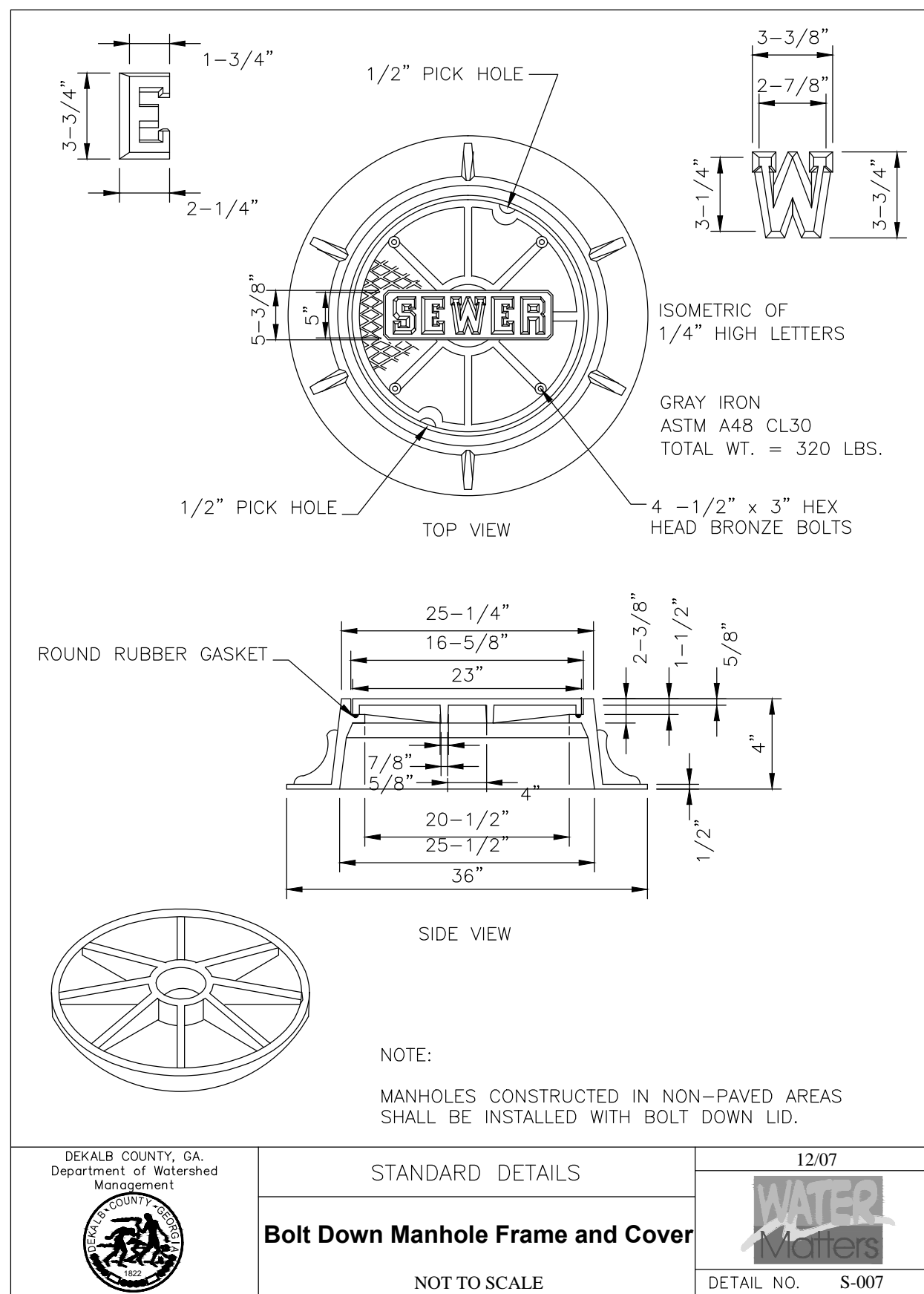
4 METHOD OF MANHOLE ABANDONMENT



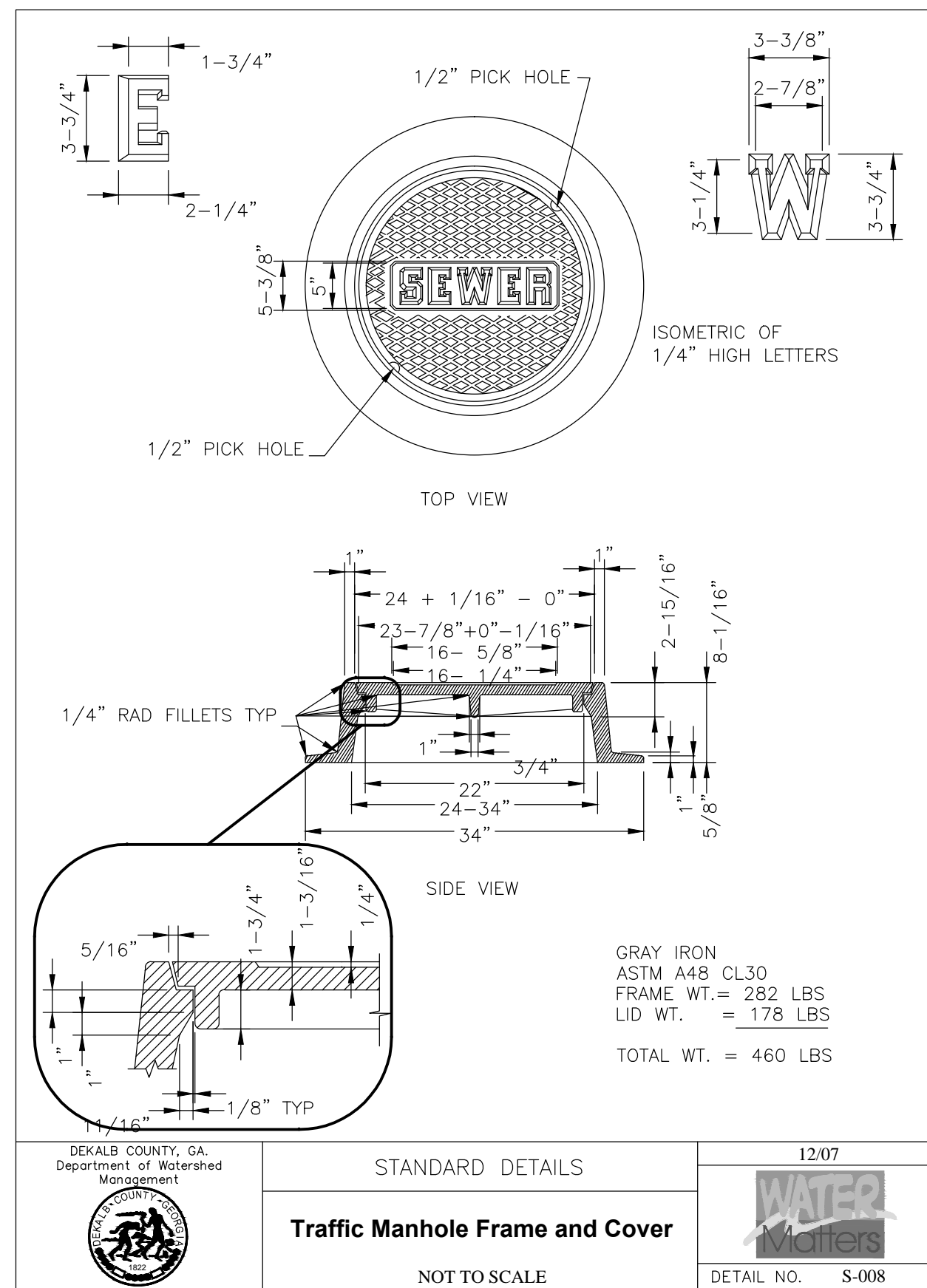
5 TYPICAL MANHOLE STEP



6 CONCRETE COLLAR FOR MANHOLE FRAME AND COVER



7 BOLT DOWN MANHOLE FRAME AND COVER



8 TRAFFIC MANHOLE FRAME AND COVER



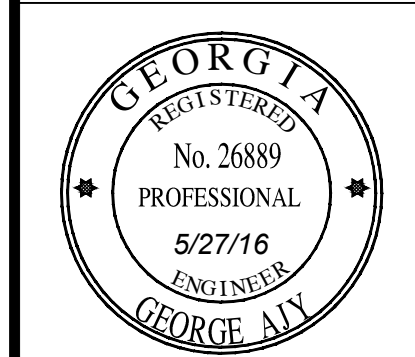
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MANAGEMENT
DEKALB COUNTY, GEORGIA

PROJECT:
SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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SHEET TITLE: 36 of 65

TYPICAL
DETAILS

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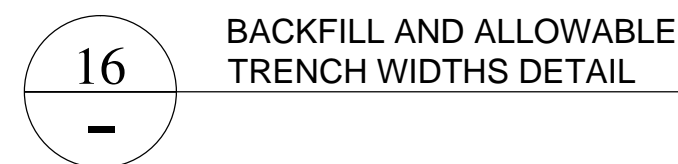
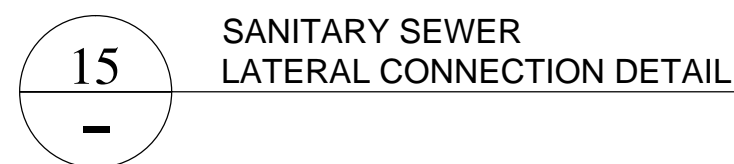
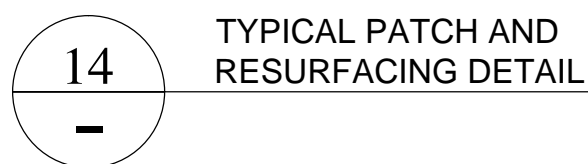
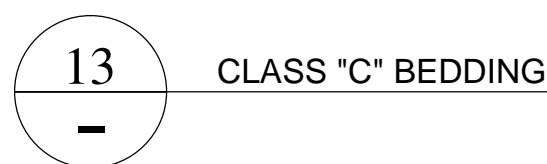
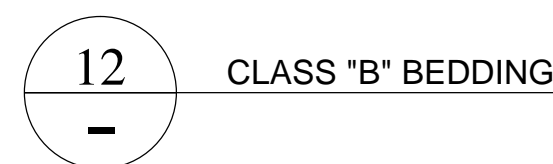
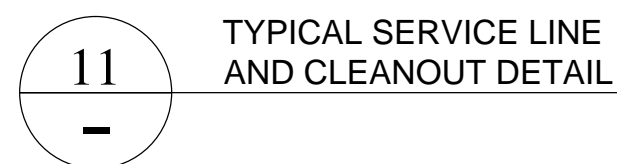
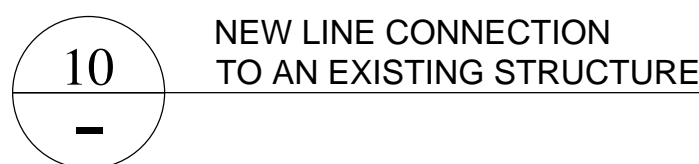
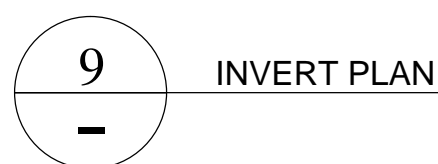
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CHKD BY: A.R.

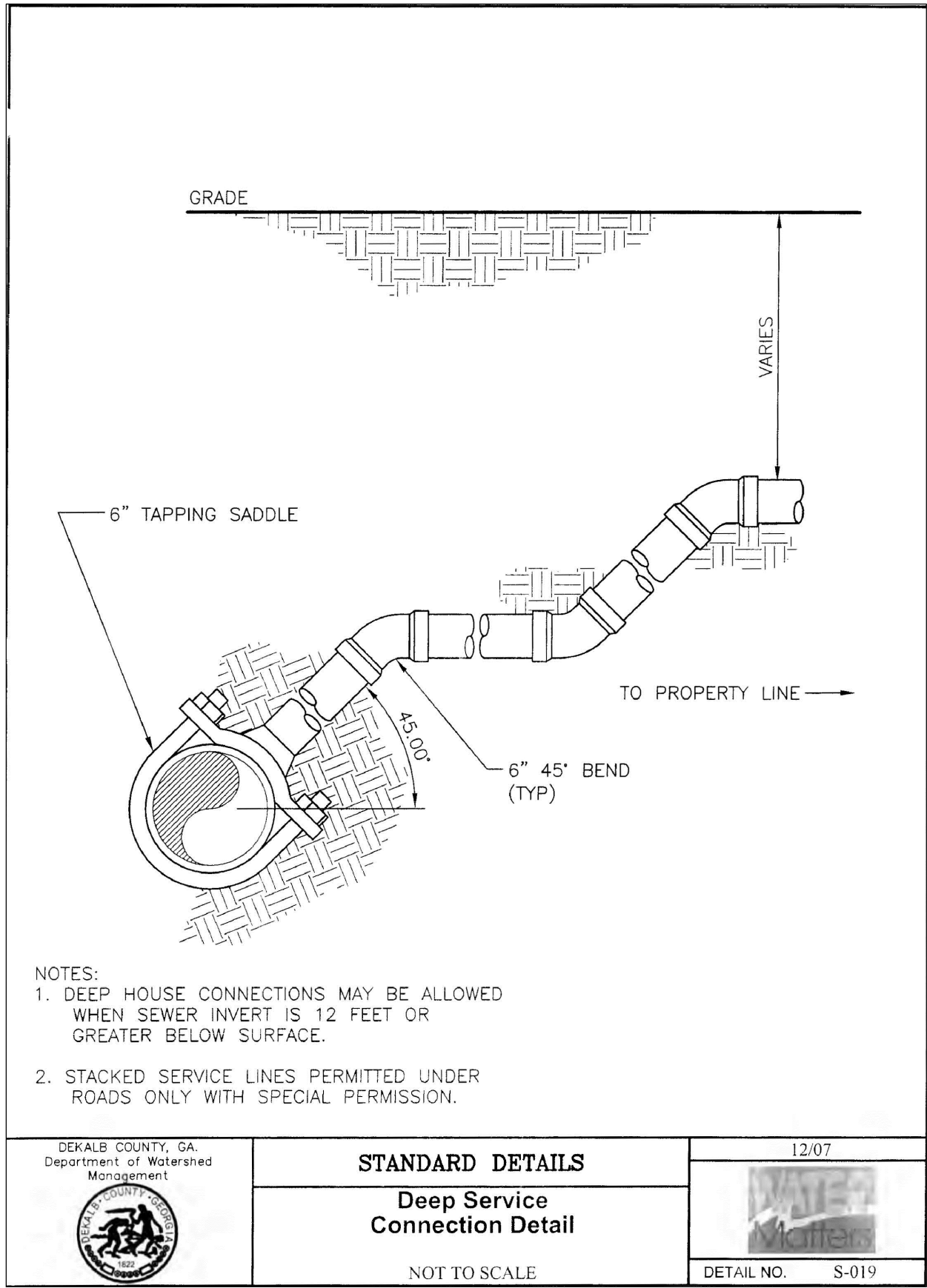
DESIGNED BY: J.J.

DRAWN BY: J.J.

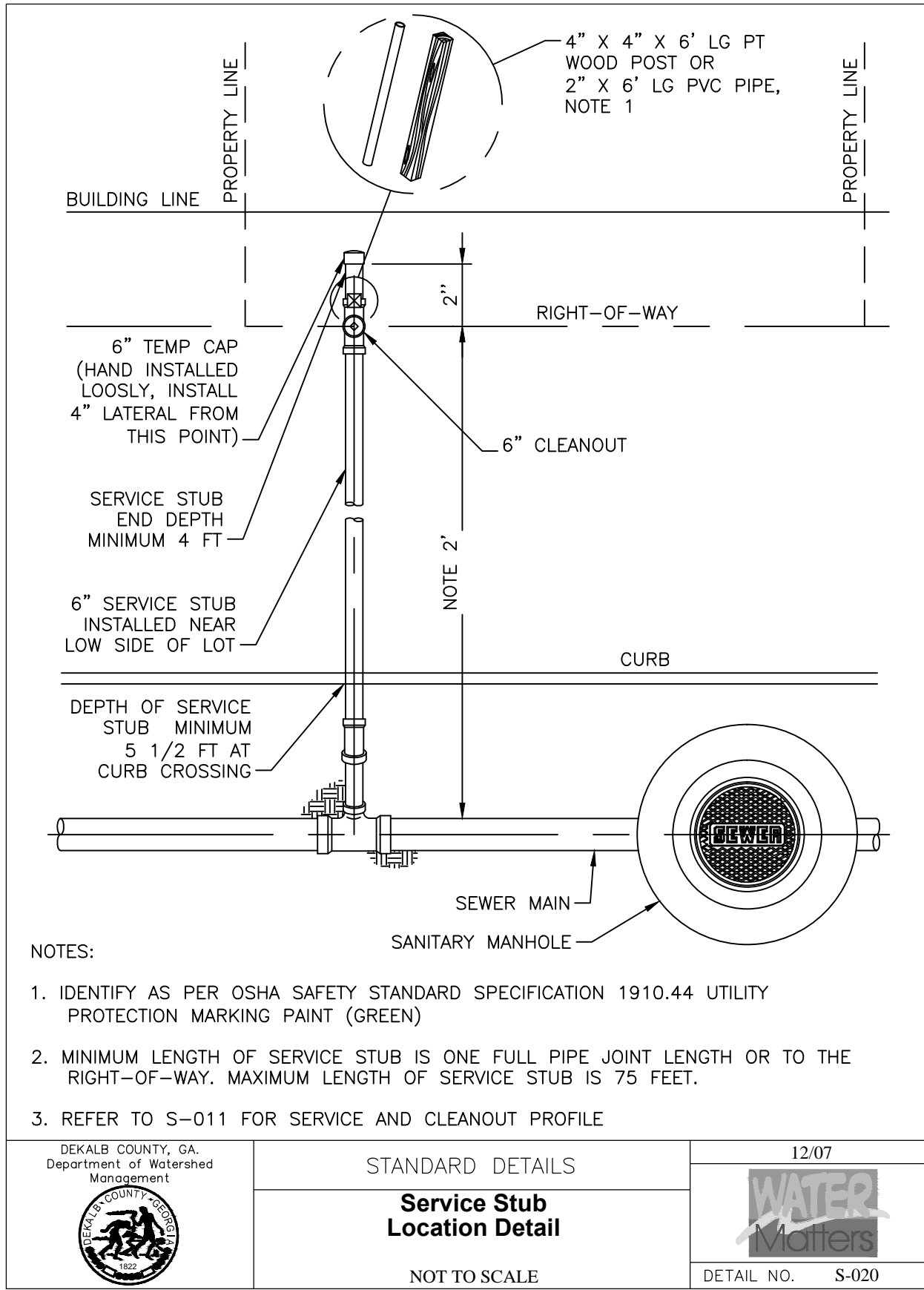
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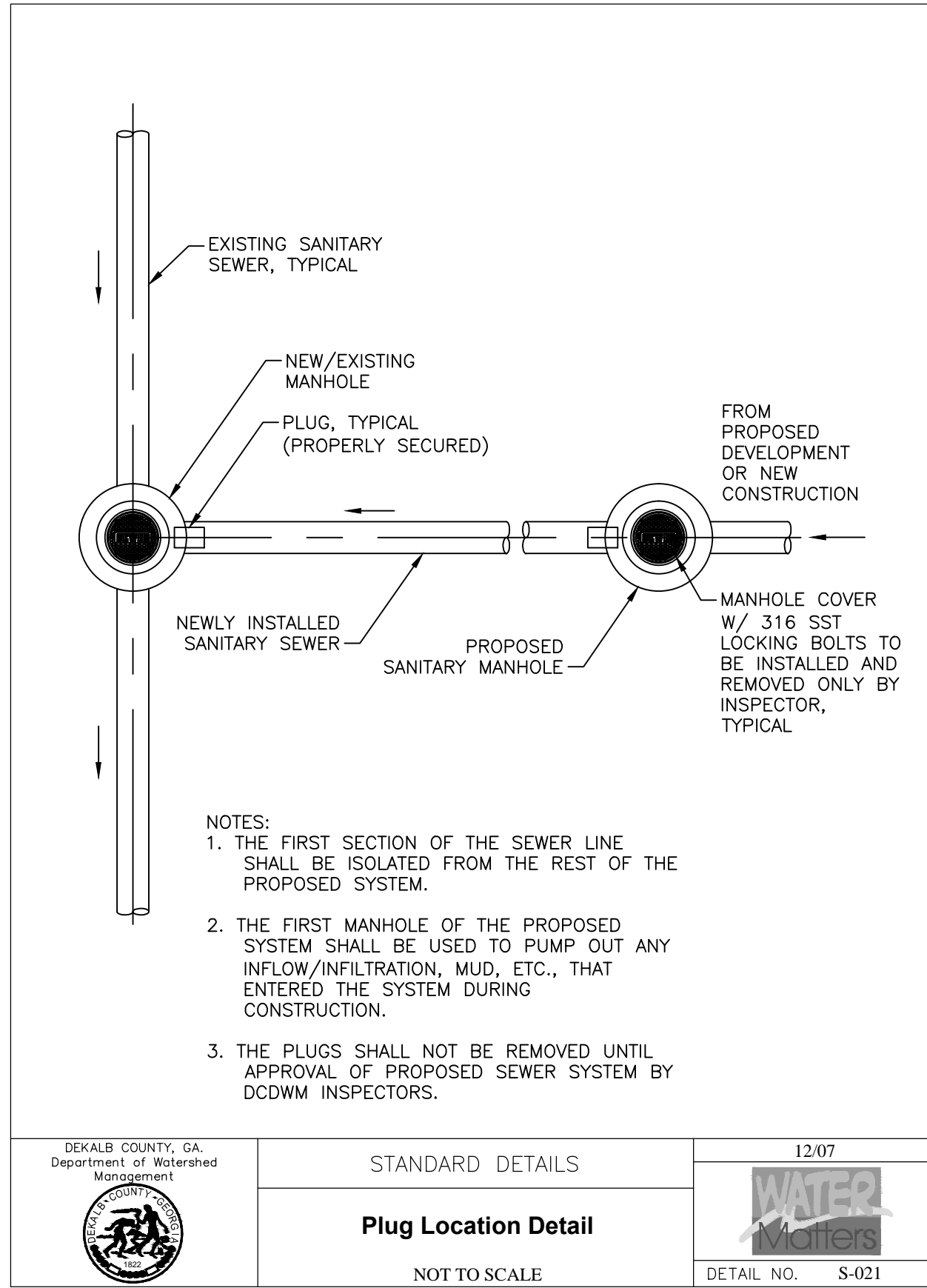
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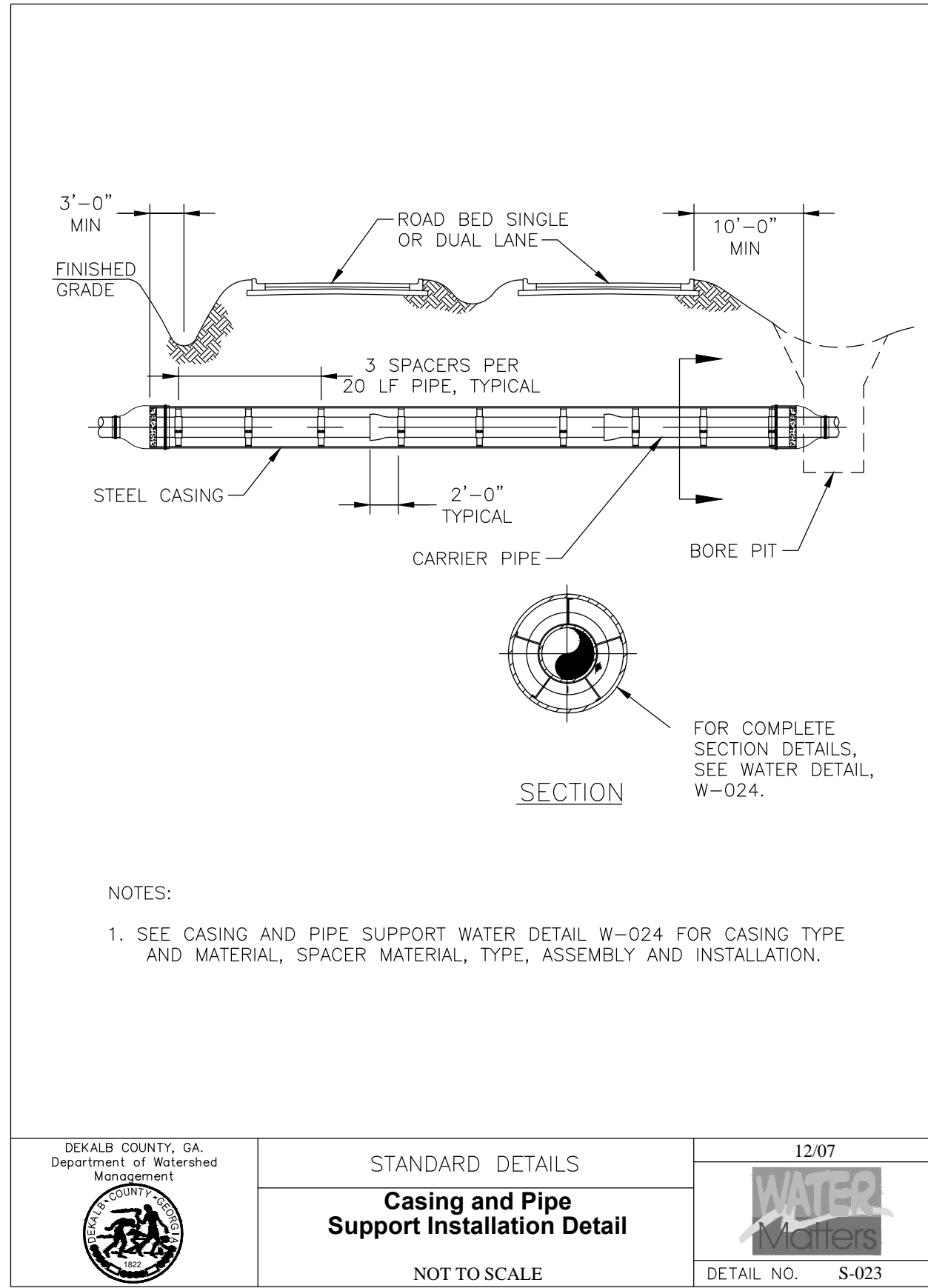
17 DEEP SERVICE CONNECTION DETAIL



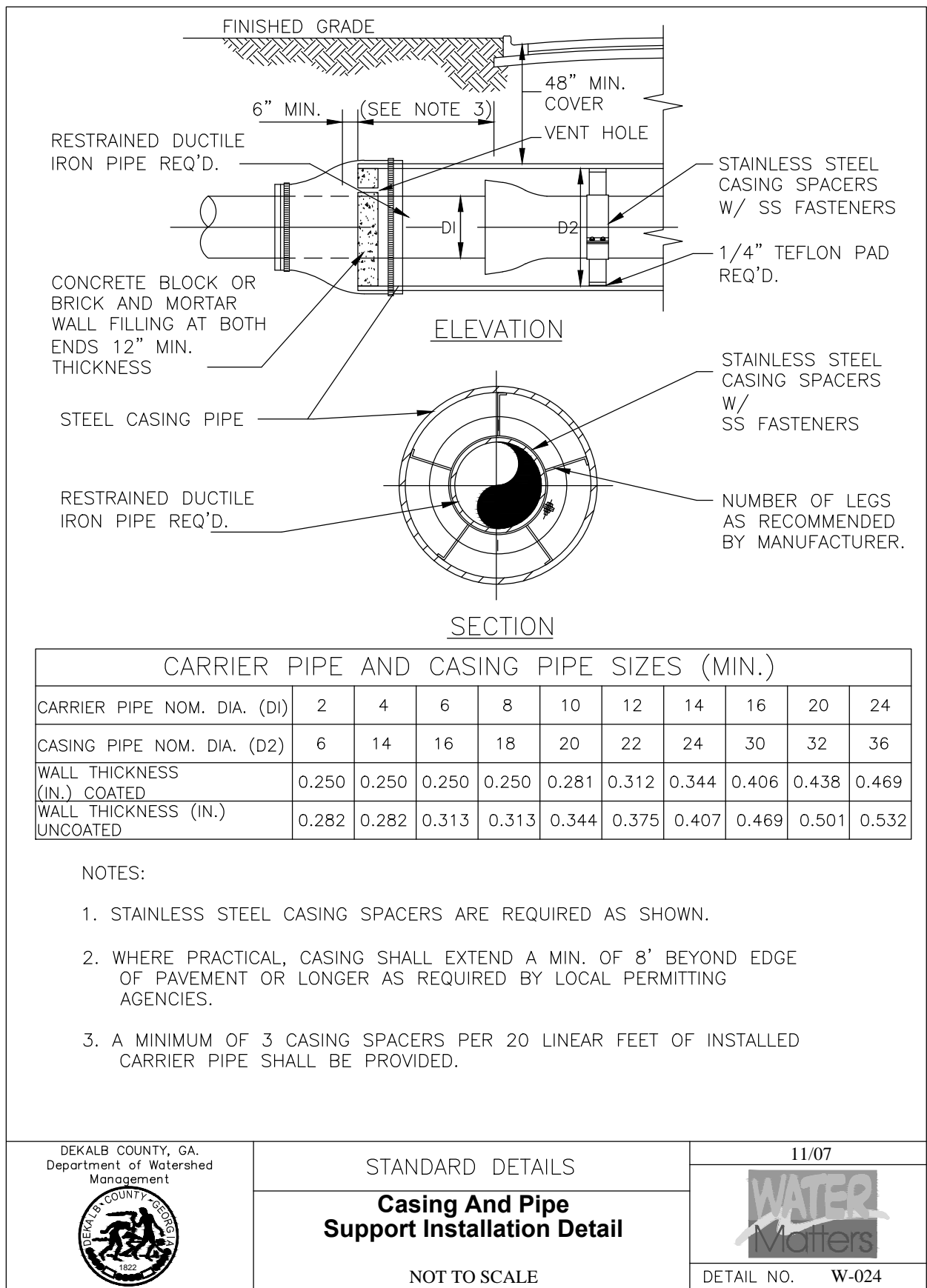
18 SERVICE STUB LOCATION DETAIL



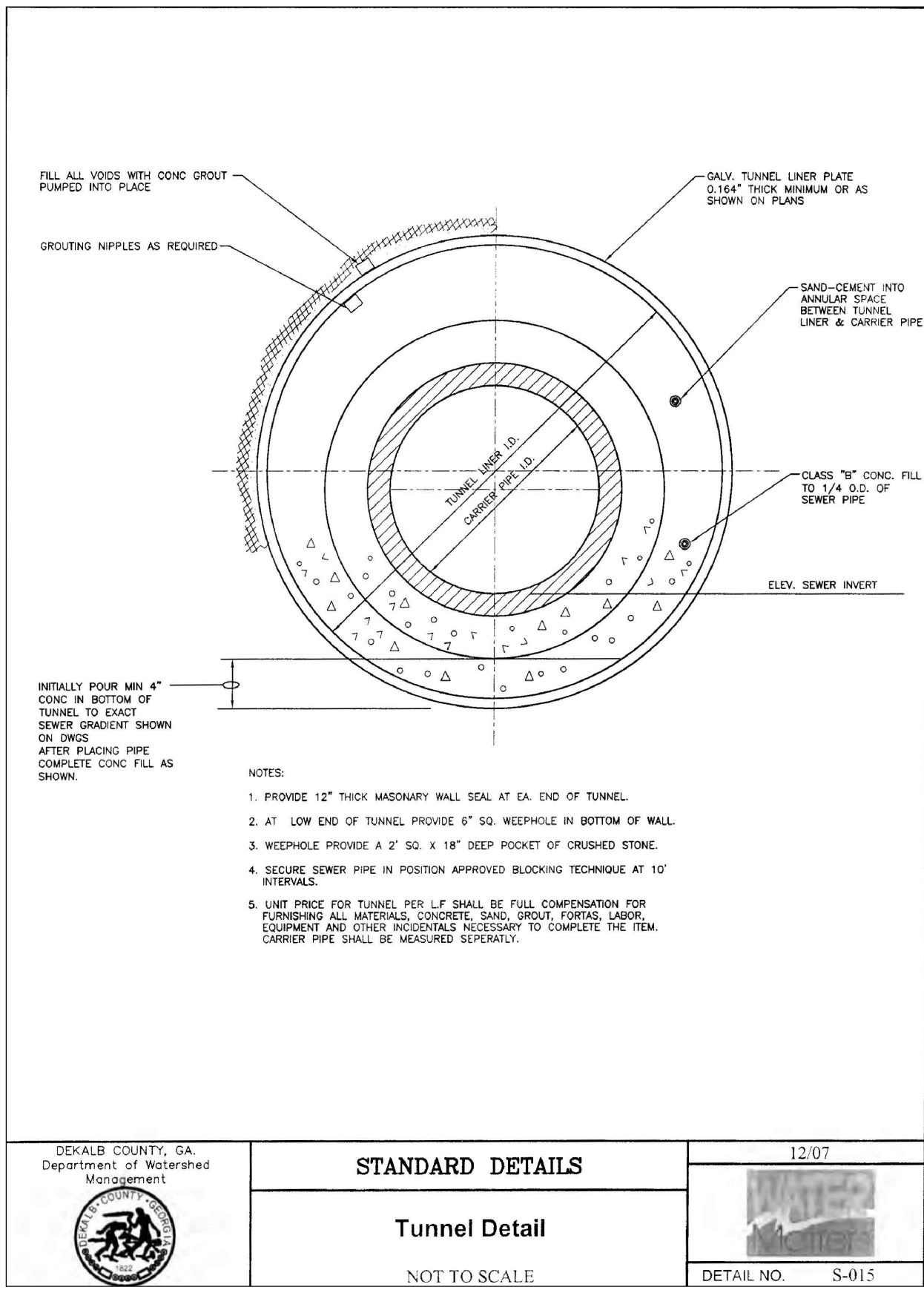
19 PLUG LOCATION DETAIL



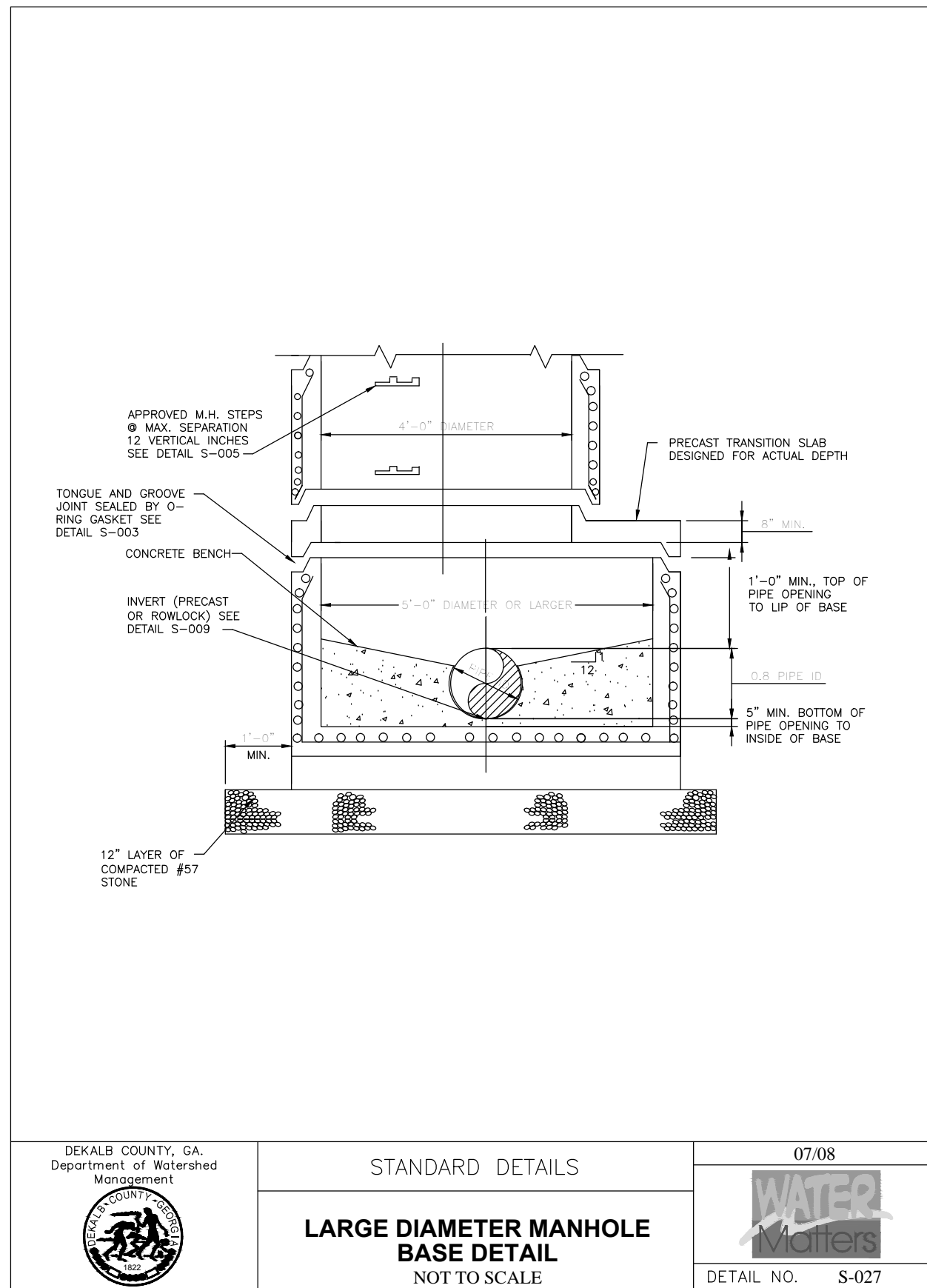
20 CASING AND PIPE SUPPORT INSTALLATION DETAIL



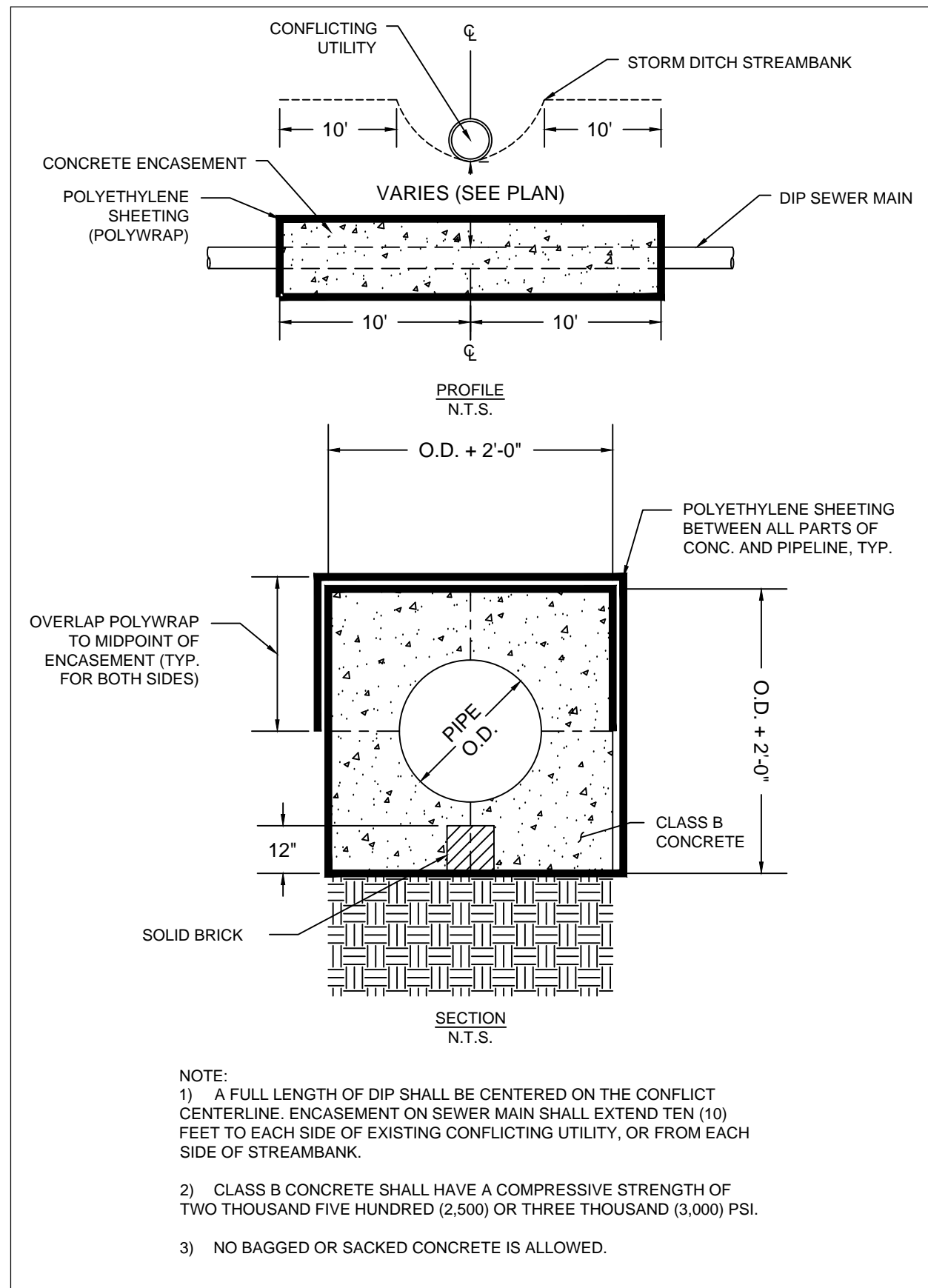
21 CASING AND PIPE SUPPORT INSTALLATION DETAIL



22 TUNNEL DETAIL



23 LARGE DIAMETER MANHOLE BASE DETAIL



24 CONCRETE ENCASUREMENT DETAIL



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SANITARY SEWER REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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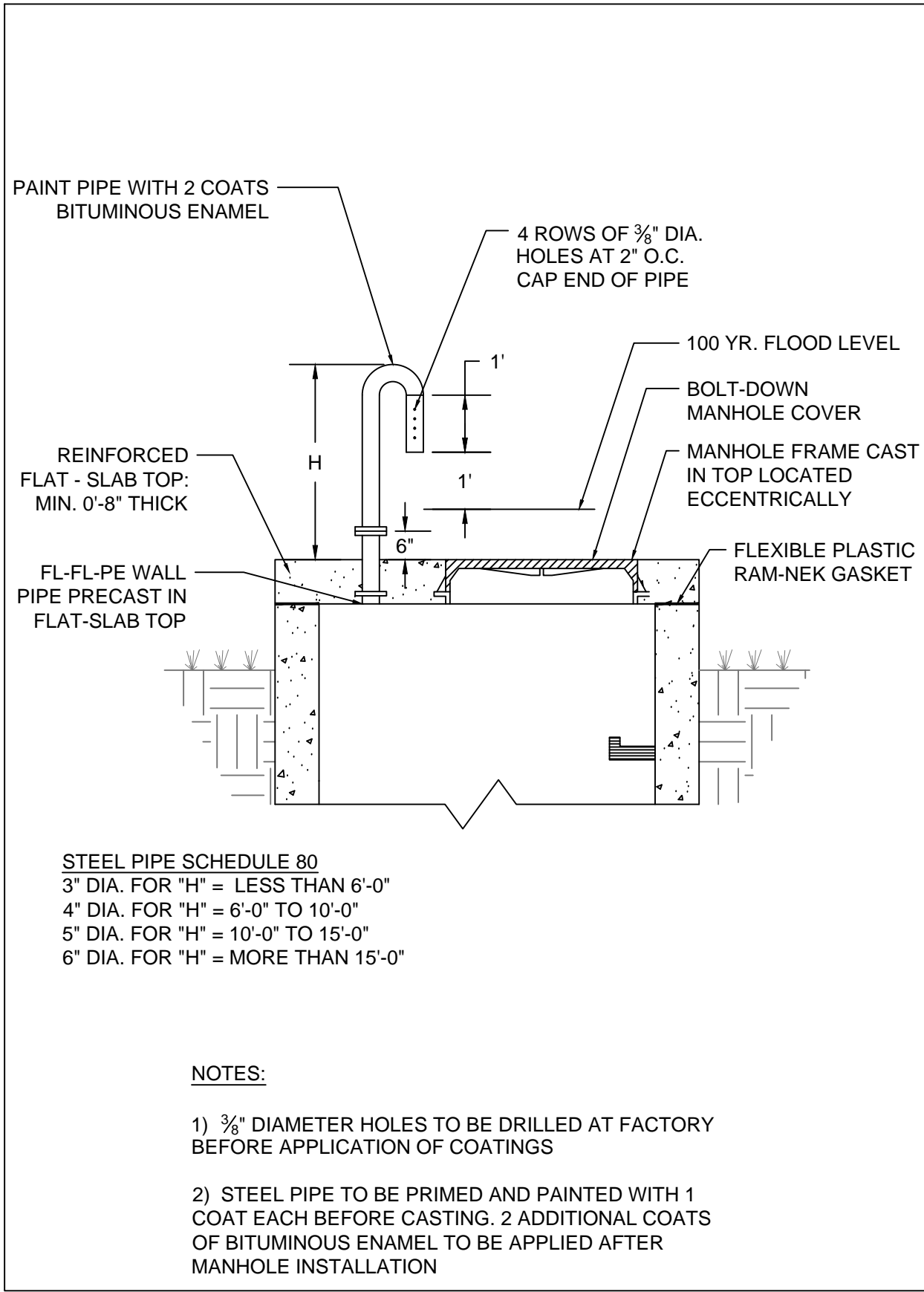
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CHKD BY: A.R.

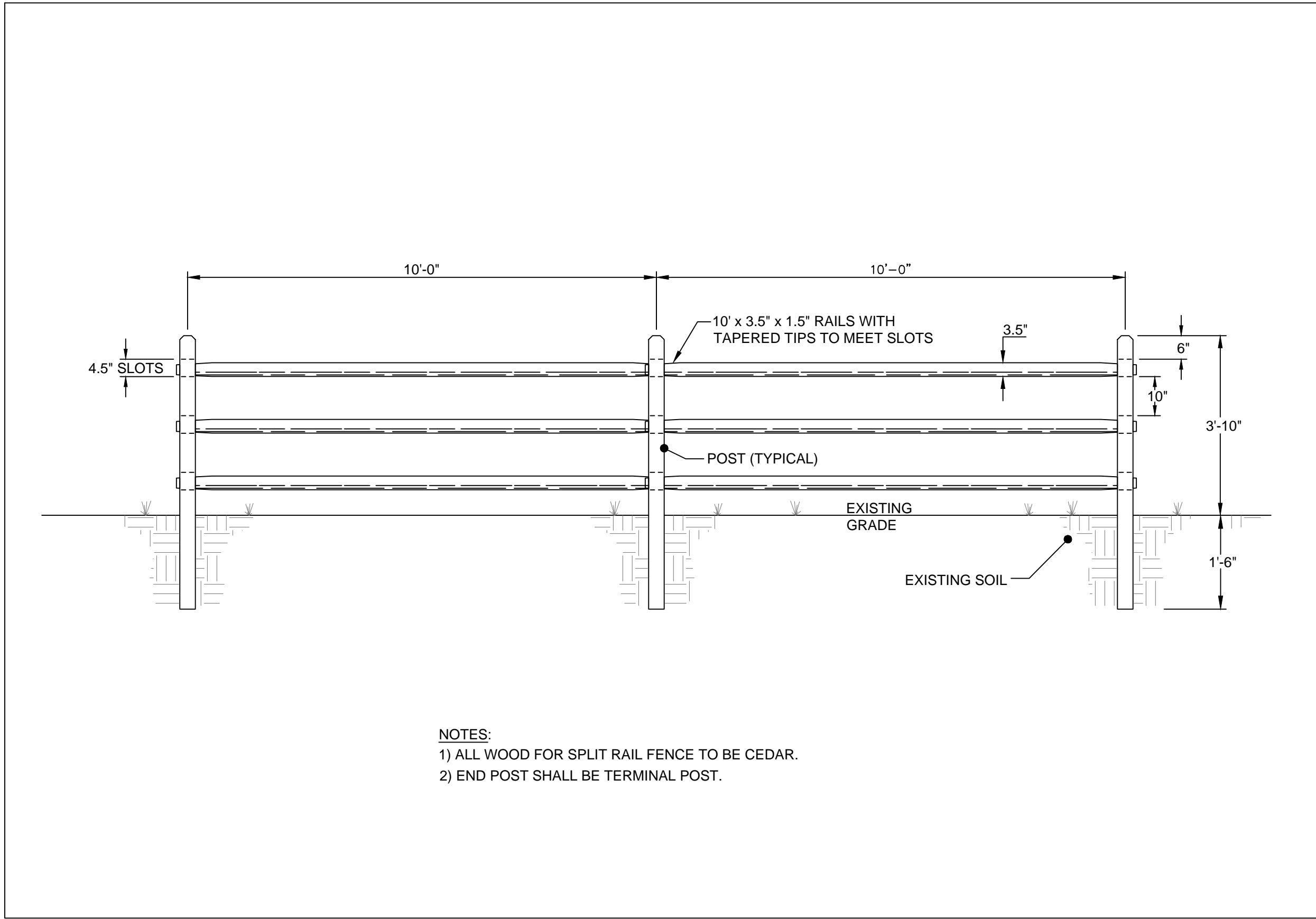
DESIGNED BY: J.J.

DRAWN BY: J.J.

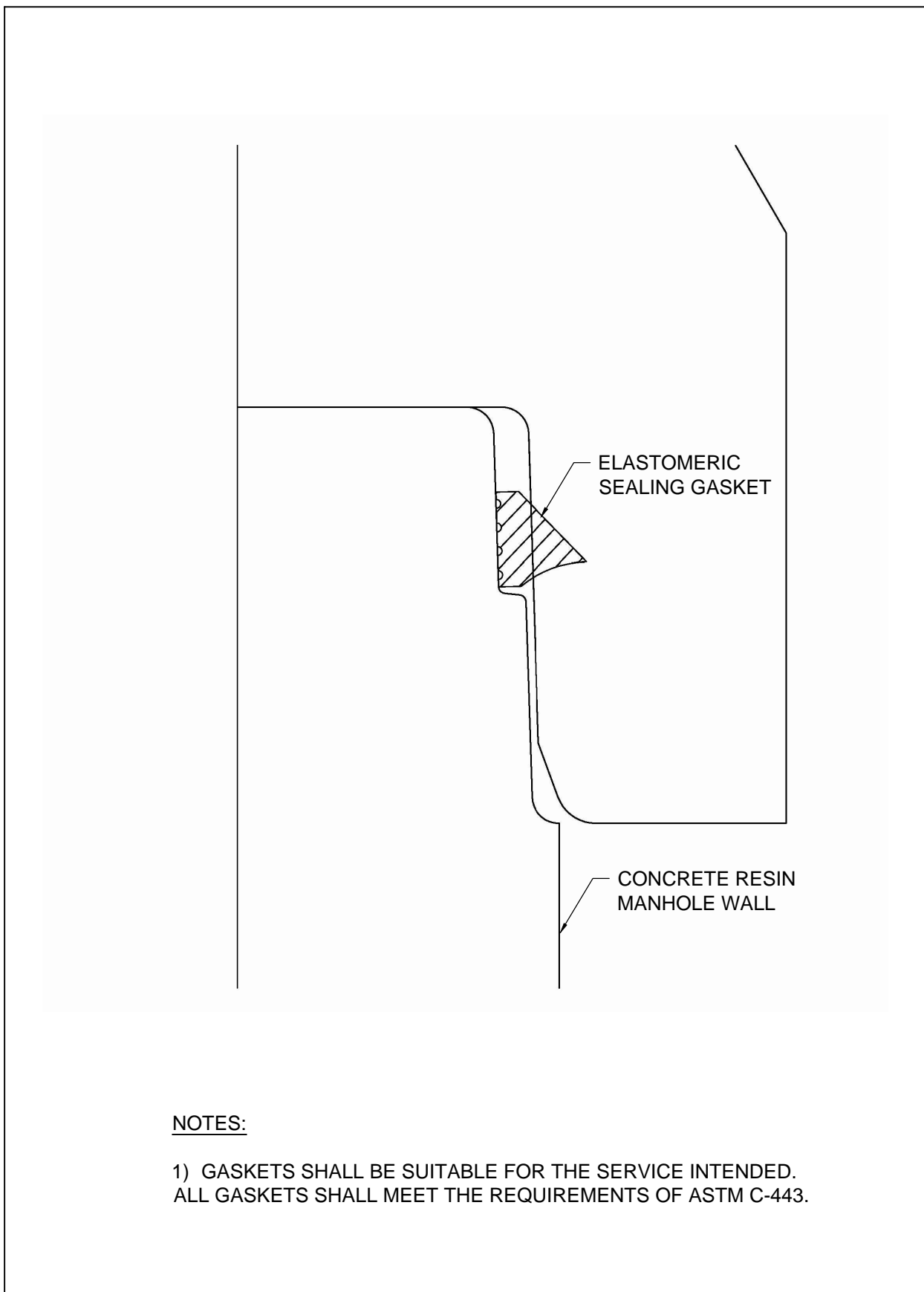
C-22



25 MANHOLE VENTING DETAIL



26 HORSE RATED FENCING DETAIL



27 CONCRETE RESIN MANHOLE ELASTOMERIC GASKETS



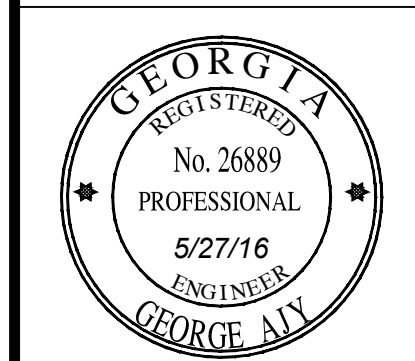
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DEPARTMENT OF
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MANAGEMENT
DEKALB COUNTY, GEORGIA

PROJECT:
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PROJECT NO.

SCALE: NONE

CHKD BY: A.R.

DESIGNED BY: J.J.

DRAWN BY: J.J.

C-23

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PRIMARY PERMITTEE	ENGINEER
OWNER/DEVELOPER: DEKALB COUNTY DEPT. OF WATERSHED MANAGEMENT 1580 ROADHAVEN DRIVE STONE MOUNTAIN, GA 30083 PHONE (770) 414-2383	24 HOUR CONTACT: WILLIAM T. ROBERTS, P.E. R2T INC. 580 W. CROSSVILLE RD, STE 101 ROSWELL, GA 30075 PHONE (770) 569-7038
SECONDARY/TERTIARY PERMITTEE: NONE	

SITE PURPOSE AND CONSTRUCTION ACTIVITY
SITE 1 IS FOR THE DESIGN OF A SEWER MAIN REPLACEMENT WITHIN THE SOUTH FORK PEACHTREE CREEK WATERSHED. MAJOR CONSTRUCTION ACTIVITY WILL INCLUDE INSTALLATION OF REPLACEMENT SEWER MAIN PIPING. BEST MANAGEMENT PRACTICES WILL BE CONSTRUCTED AND MAINTAINED THROUGHOUT LAND DISTURBING ACTIVITIES.

SITE DESCRIPTION AND LOCATION
SITE 1 (ORION DRIVE IN DECATUR, GA)
PROJECT START - LATITUDE N33.8039; LONGITUDE W84.2743
PROJECT END - LATITUDE N33.8051; LONGITUDE W84.2721
TOTAL SITE AREA - ±1.0 AC.
TOTAL AREA OF DISTURBANCE - ±1.0 AC.

SITE 1 IS LOCATED ON DEKALB COUNTY OWNED LITTLE CREEK FARM NEAR THE INTERSECTION OF ORION DRIVE AND LAWRENCEVILLE HIGHWAY (US 29, SR 78). THE PROJECT SITE IS LOCATED IN LAND LOTS 63 & 100 OF THE 18TH DISTRICT IN DEKALB, GEORGIA.

THE EXISTING SITE IS PASTURELAND WITH MEDIUM VEGETATION. THE STREAMBANK LIES WITHIN 20' OF THE EXISTING TRENCHED. THE EXISTING 30" RCP PIPE ROUTES THROUGH MILD FORESTATION WITH MULTIPLE STORM TRENCH CROSSINGS.

THE PROPOSED SITE CONDITIONS WILL INCLUDE THE INSTALLATION OF A 30" DIP SEWER MAIN UTILIZING THE SAME ROUTE AND ALIGNMENT AT THE NORTHERN END. THE ALIGNMENT IS REROUTED AT THE SOUTHERN END TO AVOID CONFLICTING WITH THE STREAMBANK. ALL DISTURBED LANDSCAPING WILL BE REPLACED IN KIND.

ADJACENT PROPERTIES
THE ADJACENT PROPERTIES TO THIS AREA CONSIST OF RESIDENTIAL AND COMMERCIAL AREAS. THE CONSTRUCTED SITE WILL BE STABILIZED WITH VEGETATION AND TEMPORARY BMP'S WILL BE REMOVED UPON COMPLETION.

RECEIVING WATERS
THE STORMWATER RUNOFF FLOWS INTO THE SOUTH FORK PEACHTREE CREEK WATERSHED DIRECTLY THROUGH SOUTH FORK PEACHTREE CREEK. THE TRIBUTARY IS A WARM WATER FISHERY THAT DISCHARGES INTO THE CHATTAHOOCHEE RIVER VIA PEACHTREE CREEK.

CRITICAL AREAS
SITE 1 CONTAINS FEDERALLY RECOGNIZED WETLANDS AND STATE WATERS WITHIN 200' OF THE LIMITS OF DISTURBANCE. ALL SENSITIVE AREAS WILL BE DELINEATED ON THE PLANS AND PROTECTED BY DOUBLE ROWS OF SILT FENCE.

SITE PURPOSE AND CONSTRUCTION ACTIVITY
SITE 2 IS FOR THE DESIGN OF A SEWER MAIN REPLACEMENT WITHIN THE SOUTH FORK PEACHTREE CREEK WATERSHED. MAJOR CONSTRUCTION ACTIVITY WILL INCLUDE INSTALLATION OF REPLACEMENT SEWER MAIN PIPING. BEST MANAGEMENT PRACTICES WILL BE CONSTRUCTED AND MAINTAINED THROUGHOUT LAND DISTURBING ACTIVITIES.

SITE DESCRIPTION AND LOCATION
SITE 2 (MONTREAL ROAD IN CLARKSTON, GA)
PROJECT START - LATITUDE N33.8140; LONGITUDE W84.2437
PROJECT END - LATITUDE N33.8158; LONGITUDE W84.2398
TOTAL SITE AREA - ±2.2 AC.
TOTAL AREA OF DISTURBANCE - ±2.2 AC.

SITE 2 IS LOCATED ADJACENT TO SOUTH FORK PEACHTREE CREEK NEAR THE INTERSECTION OF MONTREAL ROAD AND MONTREAL CREEK CREEK. THE PROJECT SITE IS LOCATED IN LAND LOTS 118 & 119 OF THE 18TH DISTRICT IN DEKALB, GEORGIA.

THE EXISTING SITE RUNS PARALLEL TO THE CREEK AND PRIVATE RESIDENTIAL PROPERTY. THE EXISTING 24" RCP PIPE ROUTES THROUGH DENSELY VEGETATED AREAS AND MULTIPLE STORM TRENCH CROSSINGS. THE STREAMBANK LIES WITHIN 20' OF THE EXISTING TRENCHED WITH EXPOSED PIPE AT THE NORTHERN END OF THE ALIGNMENT.

THE PROPOSED SITE CONDITIONS WILL INCLUDE THE INSTALLATION OF A 24" DIP SEWER MAIN UTILIZING THE SAME ROUTE AND ALIGNMENT AT THE SOUTHERN END. THE ALIGNMENT IS REROUTED AT THE NORTHERN END TO AVOID CONFLICTING WITH THE STREAMBANK. ALL DISTURBED PAVEMENT, CURB, SIDEWALK AND LANDSCAPING WILL BE REPLACED IN KIND.

ADJACENT PROPERTIES
THE ADJACENT PROPERTIES TO THIS AREA CONSIST OF RESIDENTIAL AND COMMERCIAL AREAS. THE CONSTRUCTED SITE WILL BE STABILIZED WITH VEGETATION AND TEMPORARY BMP'S WILL BE REMOVED UPON COMPLETION.

RECEIVING WATERS
THE STORMWATER RUNOFF FLOWS INTO THE SOUTH FORK PEACHTREE CREEK WATERSHED DIRECTLY THROUGH SOUTH FORK PEACHTREE CREEK. THE TRIBUTARY IS A WARM WATER FISHERY THAT DISCHARGES INTO THE CHATTAHOOCHEE RIVER VIA PEACHTREE CREEK.

CRITICAL AREAS
SITE 2 DOES NOT CONTAIN FEDERALLY RECOGNIZED WETLANDS WITHIN 200' OF THE LIMITS OF DISTURBANCE, HOWEVER THE SITE DOES CONTAIN STATE WATERS. ALL SENSITIVE AREAS WILL BE DELINEATED ON THE PLANS AND PROTECTED BY DOUBLE ROWS OF SILT FENCE.

SITE PURPOSE AND CONSTRUCTION ACTIVITY
SITE 3 IS FOR THE DESIGN OF A SEWER MAIN REPLACEMENT WITHIN THE SOUTH FORK PEACHTREE CREEK WATERSHED. MAJOR CONSTRUCTION ACTIVITY WILL INCLUDE INSTALLATION OF REPLACEMENT SEWER MAIN PIPING. BEST MANAGEMENT PRACTICES WILL BE CONSTRUCTED AND MAINTAINED THROUGHOUT LAND DISTURBING ACTIVITIES.

SITE DESCRIPTION AND LOCATION
SITE 3 (NORTH DRUID HILLS ROAD TO MASON MILL PARK IN DECATUR, GA)
PROJECT START - LATITUDE N33.8063; LONGITUDE W84.3017
PROJECT END - LATITUDE N33.8136; LONGITUDE W84.2940
TOTAL SITE AREA - ±6.4 AC.
TOTAL AREA OF DISTURBANCE - ±6.4 AC.

SITE 3 IS LOCATED ADJACENT TO BURNT FORK CREEK. THE ALIGNMENT BEGINS NEAR THE INTERSECTION OF NORTH DRUID HILLS ROAD AND SPRING CREEK ROAD WITHIN PRIVATE RESIDENTIAL PROPERTY. AFTER TRAVERSING NORTH DRUID HILLS ROAD, THE ALIGNMENT RUNS PARALLEL TO THE CREEK THROUGH FORESTED DEKALB COUNTY OWNED PROPERTY AND NAVIGATES BETWEEN PRIVATELY OWNED MULTI-RESIDENTIAL HOMES BEFORE TIEING INTO THE EXISTING SANITARY SEWER SYSTEM IMMEDIATELY NORTH OF SOUTH FORK PEACHTREE CREEK. THE PROJECT SITE IS LOCATED IN LAND LOTS 102, 103, & 113 OF THE 18TH DISTRICT IN DEKALB, GEORGIA.

THE EXISTING SITE RUNS PARALLEL TO THE CREEK THROUGH PRIVATE RESIDENTIAL PROPERTY AS WELL AS THROUGH CSX AND GA POWER EASEMENTS. THE EXISTING 30" RCP ROUTES THROUGH THICK VEGETATION AND MULTIPLE STREAM/STORM TRENCH CROSSINGS. THE STREAMBANK LIES WITHIN 20' OF THE EXISTING TRENCHED.

THE PROPOSED SITE CONDITIONS WILL INCLUDE THE INSTALLATION OF A 30" DIP SEWER MAIN UTILIZING THE SAME ROUTE AND ALIGNMENT FOR THE NORTHERN AND SOUTHERN PORTIONS. THE ALIGNMENT IS REROUTED BETWEEN THE MULTI-RESIDENTIAL HOMES TO AVOID EASEMENT ENCROACHMENTS ON THE EXISTING BUILDINGS. THE ALIGNMENT IS ALSO REROUTED WITHIN CSX RIGHT-OF-WAY TO FACILITATE ABANDONMENT OF THE EXISTING PIPE PER CSX SPECIFICATIONS. ALL DISTURBED PAVEMENT, CURB, SIDEWALK AND LANDSCAPING WILL BE REPLACED IN KIND.

ADJACENT PROPERTIES
THE ADJACENT PROPERTIES TO THIS AREA CONSIST OF RESIDENTIAL AND COMMERCIAL AREAS. THE CONSTRUCTED SITE WILL BE STABILIZED WITH VEGETATION AND TEMPORARY BMP'S WILL BE REMOVED UPON COMPLETION.

RECEIVING WATERS
THE STORMWATER RUNOFF FLOWS INTO THE SOUTH FORK PEACHTREE CREEK WATERSHED DIRECTLY THROUGH BURNT FORK CREEK. THE TRIBUTARY IS A WARM WATER FISHERY THAT DISCHARGES INTO THE CHATTAHOOCHEE RIVER VIA PEACHTREE CREEK.

CRITICAL AREAS
SITE 3 CONTAINS FEDERALLY RECOGNIZED WETLANDS AND STATE WATERS WITHIN 200' OF THE LIMITS OF DISTURBANCE. ALL SENSITIVE AREAS WILL BE DELINEATED ON THE PLANS AND PROTECTED BY DOUBLE ROWS OF SILT FENCE.

HYDRAULIC CONDITIONS
NO ADDITIONAL IMPERVIOUS AREA IS PROPOSED. NO HYDROLOGIC STUDY WAS PERFORMED, AND NO ADDITIONAL STORMWATER INFRASTRUCTURE IS PROPOSED. RUNOFF COEFFICIENTS WILL NOT CHANGE.

SOIL TYPE
THE NRCS SOIL TYPES ARE SHOWN ON SHEET C-28, C-29 & C-30.

BEST MANAGEMENT PRACTICES TO BE IMPLEMENTED

- 1) BUFFER ZONE: Bf
- 2) MULCHING: Ds1
- 3) TEMPORARY SEEDING: Ds2
- 4) PERMANENT SEEDING: Ds3
- 5) STREAMBANK STABILIZATION: Sb
- 6) CONSTRUCTION EXIT: Co
- 7) CONSTRUCTION ROAD STABILIZATION: Cr
- 8) ROCK FILTER DAM: Rd
- 9) SEDIMENT BARRIER: Sd1-BB, Sd1-NS, Sd1-S
- 10) INLET SEDIMENT TRAP: Sd2-F, Sd2-P
- 11) TEMPORARY STREAM CROSSING: Sr-C
- 12) TURBIDITY CURTAIN: Tc
- 13) TREE PROTECTION: Tr

EROSION CONTROL NOTES

- 1) UNLESS OTHERWISE INDICATED, ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM WITH THE GUIDELINES OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
- 2) THE DISTURBED AREA IS WITHIN THE 100 YEAR FLOOD HAZARD ZONE (REFERENCE FEMA FLOOD INSURANCE RATE MAPS (FIRM) 13089C0058J, 13089C0066J, 13089C0067J, & 13089C0078J, DATED MAY 16, 2013)
- 3) EROSION CONTROL AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
- 4) EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES TO BE INSPECTED DAILY TO ENSURE PROPER FUNCTIONING. ANY NECESSARY REPAIRS TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES AND CLEANUP OF SEDIMENTATION ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE MADE IMMEDIATELY.
- 5) **THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH LAND-DISTURBING ACTIVITIES.**

EROSION CONTROL NOTES (CONTINUED)

- 6) **THE DESIGN PROFESSIONAL OR AN AUTHORIZED AGENT WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS, PERIMETER CONTROL BMP'S AND SEDIMENT BASINS WITHIN (7) SEVEN DAYS AFTER INITIAL CONSTRUCTION ACTIVITY BEGINS.**
- 7) **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.**
- 8) **ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.**
- 9) **WHERE APPLICABLE, NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITH THE 25 OR 50 FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.**
- 10) WITHIN (7) SEVEN DAYS OF FINISHING INSTALLATION OF INITIAL EROSION CONTROL MEASURES, THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. FAILURE OF OBTAINING THIS INSPECTION IS A DIRECT VIOLATION OF THE NPDES PERMIT.
- 11) WEEKLY EROSION AND CONTROL REPORTS SHALL BE SUBMITTED TO THE DEVELOPMENT DEPARTMENT STARTING WITH THE ISSUANCE OF THE DEVELOPMENT PERMIT AND ENDING WHEN THE PROJECT IS RELEASED BY THE INSPECTOR.
- 12) DISTURBED AREA STABILIZATION SHALL BE ACHIEVED UTILIZING SEED MIX AND APPLICATION RATE AS DIRECTED BY OWNER.
- 13) SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171 - SILT FENCE OF THE GEORGIA D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- 14) THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ANY ADDITIONAL CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION IF DEEMED NECESSARY BY ON-SITE INSPECTOR.
- 15) THE CONSTRUCTION OF THE SITE WILL INITIATE WITH 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.
- 16) PERMANENT VEGETATION AND STREAMBANK STABILIZATION SHALL WORK IN CONJUNCTION WITH THE STREAM BUFFERS TO PERMANENTLY STABILIZE THE CONSTRUCTION SITE AND LIMIT POLLUTANTS ENTERING ADJACENT STATE WATERS AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED.
- 17) THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS HALF THE HEIGHT OF THE EROSION CONTROL MEASURE.
- 18) ALL STRUCTURAL MEASURES MUST BE CLEANED OUT OR RECONSTRUCTED WHEN SEDIMENT VOLUMES EXCEED 1/3 THE STORAGE CAPACITY OF THE MEASURE. SEDIMENT CLEANED OUT SHOULD BE SPREAD IN UPLAND AREAS, MIXED WITH TOPSOIL, AND MULCHED OR SEEDED IMMEDIATELY. DO NOT SPOIL IN AREAS WHERE STRUCTURAL FILLS ARE REQUIRED (SUCH AS PAVEMENT, BUILDING FOOTPRINTS, ETC.)
- 19) FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO DEKALB COUNTY STANDARDS.
- 20) ANY IMPERVIOUS WATER RUNOFF FROM LOTS BY-PASSING WATER QUALITY POND MUST BE TREATED ON A LOT BY LOT BASIS.
- 21) A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBANCE ACTIVITY IS IN PROGRESS.
- 22) ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND ANY DEFICIENCIES NOTED WILL BE CORRECTED BY THE END OF EACH DAY. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION BY THE ISSUING AUTHORITY.
- 23) WHEN ANY CONSTRUCTION BORDERS A DRAINAGE COURSE:
 - A) THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY OTHER EXCAVATION SPOIL DIRT, CONSTRUCTION TRASH OR DEBRIS, ETC. FROM THE DRAINAGE AREAS SHOWN HEREON IN AN EXPEDITIOUS MANNER AS CONSTRUCTION PROGRESSES.
 - B) THE CONTRACTOR HEREBY AGREES TO STOP ALL WORK AND RESTORE THESE AREAS IMMEDIATELY UPON NOTIFICATION BY THE DEKALB COUNTY INSPECTOR AND/OR THE PROFESSIONAL ENGINEER.
- 23) INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR100002.
- 24) CONTRACTOR TO SELECT PLANTINGS FOR WETLANDS AND OTHER SENSITIVE AREAS IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL STANDARDS. NATIONAL WETLAND PLANTING LIST CAN BE VIEWED ON THE USACE WEBSITE.

GENERAL NOTES

- 1) ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL, AND LOCAL CODES AND ALL NECESSARY LICENSES AND PERMITS SHALL BY THE CONTRACTOR AT HIS EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER.
- 2) DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT THE PRIOR CONSENT OF THE ENGINEER MAY BE CAUSE FOR THE WORK TO BE UNACCEPTABLE TO THE ENGINEER.
- 3) THE CONTRACTOR WARRANTS THAT HIS EMPLOYEES, AGENTS, AND SUBCONTRACTORS POSSESS THE EXPERIENCE, KNOWLEDGE AND CHARACTER NECESSARY TO QUALIFY THE INDIVIDUAL FOR THE PARTICULAR CONSTRUCTION TECHNIQUES THEY PERFORM IN CONNECTION WITH THE TASKS TO BE PERFORMED UNDER THIS CONTRACT.

GENERAL NOTES (CONTINUED)


- THE CONTRACTOR SHALL INSURE THAT ALL CONSTRUCTION IS PERFORMED IN STRICT COMPLIANCE WITH ALL OSHA, STATE AND LOCAL HEALTH AND SAFETY CODES.
- 4) THE CONTRACTOR OR OTHER RESPONSIBLE PARTY IS TO TAKE IMMEDIATE ACTION UPON DISCOVERY OF DEFICIENCIES, WHETHER INCLUDED IN AN INSPECTION REPORT OR NOT. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND BETWEEN SURVEY DATA AND ACTUAL FIELD CONDITIONS.
 - 5) CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES BEFORE CONSTRUCTION STARTS. EXISTING UTILITIES ARE SHOWN USING THE BEST AVAILABLE INFORMATION. THE CONTRACTOR IS EXPECTED TO COORDINATE ALL WORK WITH THE OWNER AND UTILITY COMPANIES TO MINIMIZE DISRUPTION AND DAMAGE TO THE PROPERTY.
 - 6) CONSTRUCTION STAGING AREAS, SITE ACCESS AND LIMITS OF CONSTRUCTION SHALL BE COORDINATED WITH ANY SECONDARY OR TERTIARY PERMITTEES.

BEST MANAGEMENT PRACTICES

- 1) STRIPPING OF VEGETATION, REGRADING, AND OTHER DEVELOPMENT ACTIVITIES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO MINIMIZE EROSION.
- 2) CUT AND FILL OPERATIONS SHALL BE KEPT TO A MINIMUM.
- 3) DEVELOPMENT PLANS MUST CONFORM TO TOPOGRAPHY AND SOIL TYPE, SO AS TO CREATE THE LOWEST PRACTICABLE EROSION POTENTIAL.
- 4) WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED, AND SUPPLEMENTED.
- 5) DISTURBED SOIL SHALL BE STABILIZED AS QUICKLY AS PRACTICABLE.
- 6) TEMPORARY VEGETATION OR MULCHING SHALL BE EMPLOYED TO PROTECT EXPOSED CRITICAL AREAS DURING DEVELOPMENT.
- 7) PERMANENT VEGETATION AND STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED AS SOON AS PRACTICABLE.
- 8) TO THE EXTENT NECESSARY, SEDIMENT IN RUNOFF WATER SHALL BE TRAPPED BY THE USE OF DEBRIS BASINS, SILT TRAPS, OR SIMILAR MEASURES UNTIL THE DISTURBED AREA IS STABILIZED.
- 9) ADEQUATE PROVISIONS SHALL BE PROVIDED TO MINIMIZE DAMAGE FROM SURFACE WATER TO THE CUT FACE OF EXCAVATIONS OR THE SLOPING SURFACES OF FILLS; ALL FILL SLOPES SHALL HAVE SILT FENCING AT THE TOE.
- 10) GRADING EQUIPMENT SHALL CROSS FLOWING STREAMS BY THE MEANS OF BRIDGES OR CULVERTS, EXCEPT WHEN SUCH METHODS ARE NOT FEASIBLE, PROVIDED IN ANY CASE THAT SUCH CROSSINGS SHALL BE KEPT TO A MINIMUM.
- 11) FILLS SHALL NOT ENCROACH UPON NATURAL WATER COURSES OR CONSTRUCTED CHANNELS IN A MANNER SO AS TO ADVERSELY AFFECT OTHER PROPERTY OWNERS.
- 12) PROVISIONS SHALL BE PROVIDED FOR TREATMENT OR CONTROL OF ANY SOURCE OF SEDIMENTS AND ADEQUATE SEDIMENTATION CONTROL FACILITIES TO RETAIN SEDIMENTS ON SITE OR PRECLUDE SEDIMENTATION OF ADJACENT WATERS BEYOND THE LEVELS SPECIFIED IN THIS PERMIT.
- 13) OFF-SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICAL. THE PLAN SHALL INCLUDE THE BEST MANAGEMENT PRACTICE TO BE IMPLEMENTED AT THE SITE OR COMMON DEVELOPMENT.
- 14) VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL FOR THE PURPOSE OF PROVIDING A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (E.G., NO SIGNIFICANT CHANGES IN THE HYDROLOGICAL REGIME OF THE RECEIVING WATERS.)
- 15) DETENTION FACILITIES AND EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED PRIOR TO START OF OTHER CONSTRUCTION AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED. THE DEVICES SHALL BE MOVED AND ADJUSTED AS NEEDED TO KEEP A FUNCTIONING SYSTEM THROUGHOUT CONSTRUCTION. EROSION CONTROL MEASURES INCLUDE (BUT ARE NOT LIMITED TO): CONSTRUCTION EXITS, SILT FENCE, STORM INLET/OUTLET PROTECTION, MULCH BERMS, AND TEMPORARY GRASSING.

NOTES:
THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLANS 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.
NO WASTE MATERIALS INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

ES&PC CERTIFICATION STATEMENT		
"I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100002."		
GASWCC LEVEL II DESIGN PROFESSIONAL	DATE	CERTIFICATION #

		GEORGIA SOIL AND WATER CONSERVATION COMMISSION	
William T. Roberts			
Level II Certified Design Professional			
CERTIFICATION NUMBER		0000070272	
ISSUED: 01/31/2014		EXPIRES: 01/31/2017	

24 HOUR CONTACT	
(770) 270-6243	



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 CERTIFICATION #	
Inspection included the following discrepancies from the ES&PC Plan	
These deficiencies must be addressed immediately and a re-inspection scheduled. Work shall not proceed on the site until design Professional Certification is obtained.	

NON-STORM WATER DISCHARGE	
IT IS NOT ANTICIPATED THAT ANY NON-STORM WATER DISCHARGES WILL BE MADE TO ANY OFF-SITE WATERS. IF IT IS DETERMINED THAT NON-STORM WATER DISCHARGES WILL BE MADE, INCLUDING DISCHARGES FROM FIRE FIGHTING ACTIVITIES, FIRE HYDRANT FLUSHING, POTABLE WATER SOURCES INCLUDING INLINE FLUSHING, IRRIGATION DRAINAGE, AIR CONDITIONING CONDENSATE, SPRINGS, UNCONTAMINATED GROUND WATER, FOUNDATION OR FOOTING DRAWINGS WHERE FLOWS ARE TO BE CONTAMINATED WITH PROCESS MATERIALS OR POLLUTANTS, THIS SECTION WILL BE AMENDED WITH THE DETAILS OF THE DRAINAGE.	

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

PERMIT NO. GAR100002 CERTIFICATION		
"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT CERTIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."		
NAME (OWNER)		DATE

SITE VISIT CERTIFICATION		
"I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY DIRECT SUPERVISION."		
GASWCC LEVEL II DESIGN PROFESSIONAL	DATE	CERTIFICATION #

 RIVER TO TAP						
1841 PEELER RD. UNIT C ATLANTA, GA 30338 PHONE: (678) 336-6732 WWW.R2TINC.COM						
CLIENT: DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT DEKALB COUNTY, GEORGIA						
PROJECT: SOUTH FORK PEACHTREE CREEK SANITARY SEWER REPLACEMENT LAND LOTS 63, 100, 102, 103, 113, 118, & 119 © 2010, R2T INC., DISTRICT 18						
REV	DATE	DESCRIPTION	INITIAL	ISSUE	REVIEW	COMMENTS
0	5/27/16					
1	12/9/16					
STAMP:						
						
SHEET TITLE: 40 of 65						
ES&PC NARRATIVE PLAN						
ISSUED: 5.27.16						
PROJECT NO.						
SCALE: NONE						
CHKD BY: A.R.						
DESIGNED BY: J.J.						
DRAWN BY: J.J.						
C-24						

P:\Deloitte_Demand_Services\Task_14.1 - S. Fork Sewer Segment\Task_3 Detailed Design\Design\C-24 - C-27.dwg, PRINTED BY: Jonathan Jones, ON: Mon, Dec 05, 2016 AT: 10:55 AM

PRODUCT SPECIFIC PRACTICES

1) PETROLEUM PRODUCTS:
ALL ONSITE VEHICLES, AND CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARs WILL BE MONITORED FOR LEAKS AND RECEIVE DAILY PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.

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

2) PAINTS:
ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM. EXCESS PRODUCT, PRODUCT CONTAINERS, AND MATERIALS USED WITH THESE PRODUCTS WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND STATE AND LOCAL REGULATIONS.

3) CONCRETE TRUCKS:
WASHOUT OF THE DRUM OF A CONCRETE TRUCK AT THE CONSTRUCTION SITE IS PROHIBITED. CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND THE REAR OF VEHICLES WILL ONLY BE ALLOWED IN A DESIGNATED AREA PROVIDED FOR THIS PURPOSE. THE FOLLOWING BMP'S WILL BE FOLLOWED:

- A) CONTAIN ALL WASHWATER ON SOIL, IN A BOWL SHAPED AREA CREATED IN THE DESIGNATED WASH AREA TO PREVENT THE WASH WATER FROM FLOWING FROM THE WASHOUT AREA
- B) USE THE MINIMUM AMOUNT OF WATER TO WASH DOWN THE TOOLS, CONCRETE MIXER CHUTES, HOPPERS AND THE REAR OF VEHICLES
- C) REMOVE ANY CONCRETE SEDIMENT FROM THE AREA SURROUNDING THE WASHOUT AREA BEFORE IT HARDENS
- D) REMOVE ALL CONCRETE RESIDUE FROM THE DESIGNATED AREAS ONCE IT HARDENS.

4) FERTILIZERS:
FERTILIZER WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED SHED, THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

5) WASTE DISPOSAL:
A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED TO EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL E COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.

ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORMWATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIFICALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

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

7) MULCH:
MULCH STORAGE MUST COMPLY WITH THE FOLLOWING SECTION OF THE STANDARD FIRE PREVENTION CODE. SECTION 502.31 - NO PERSON SHALL STORE IN ANY BUILDING OR UPON ANY PREMISES IN EXCESS OF 2,500 CU.FT. GROSS VOLUME OF COMBUSTIBLE EMPTY PACKING CASES, BOXES, BARRELS OR SIMILAR CONTAINERS, OR RUBBER TIRES; OR RUBBER OR OTHER SIMILARLY COMBUSTIBLE MATERIALS WITHOUT A PERMIT.

GOOD HOUSEKEEPING PRACTICES

- 1) AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT TO DO THE JOB.
- 2) ALL MATERIALS ONSITE WILL BE STORED IN THEIR APPROPRIATE CONTAINER AND, IF POSSIBLE, UNDER ONE ROOF ON ENCLOSURE.
- 3) PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINER WITH ORIGINAL MANUFACTURER'S LABEL.
- 4) SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- 5) WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.

INSPECTION

- 1) EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT AND (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
- 2) MEASURE RAINFALL ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY UNTIL A NOTICE OF TERMINATION IS SUBMITTED. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.

- 3) CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NONWORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST): (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE ; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION ; AND (C) STRUCTURAL CONTROL MEASURES, EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
- 4) CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION IS SUBMITTED TO EPD) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).
- 5) BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.
- 6) A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A STATEMENT THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THIS PERMIT.

SAMPLING REQUIREMENTS

THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THIS SECTION IS APPLICABLE TO PRIMARY PERMITTEES WITH A TOTAL PLANNED DISTURBANCE EQUAL TO OR GREATER THAN FIVE (5) ACRES. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING TURBIDITY.

STORM WATER SAMPLING

STORM WATER SAMPLES ARE TO BE ANALYZED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 AND THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-8-92-001".

STORM WATER IS TO BE SAMPLED FOR NEPHELOMETRIC TURBIDITY UNITS (NTU) AT THE OUTFALL LOCATION. 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 CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING THE APPLICABLE VALUE SELECTED FROM APPENDIX B IN PERMIT NO. GAR100002. THE NTU LIMIT IS BASED UPON THE DISTURBED ACREAGE OF THE PROJECT SITE AND THE SURFACE WATER DRAINAGE AREA DRAINING TO THE RECEIVING WATER WHICH SUPPORTS WARM WATER FISHERIES.

SAMPLE TYPE

ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-8-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

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

SAMPLE POINTS

FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES SHOWN ON THE USGS TOPOGRAPHIC MAP AND ALL OTHER FIELD VERIFIED PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES, OR ALL OUTFALLS INTO SUCH STREAMS AND OTHER WATER BODIES, OR A COMBINATION THEREOF. HOWEVER, PROVIDED FOR IN AND IN ACCORDANCE WITH PART IV.D.6.C.(2). OF THIS PERMIT, PRIMARY PERMITTEE'S ON AN INFRASTRUCTURE CONSTRUCTION PROJECT MAY SAMPLE THE REPRESENTATIVE PERENNIAL AND INTERMITTENT STREAMS, OTHER WATER BODIES OR OUTFALLS, OR A COMBINATION THEREOF. SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORM WATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:

- A) THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.
- B) THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.
- C) IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S).
- D) CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.
- E) THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.

SAMPLE POINTS (CONTINUED)

- F) THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
- G) PERMITTEE'S DO NOT HAVE TO SAMPLE SHEET FLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORMLY COVERED WITH LANDSCAPING MATERIALS IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION). FOR INFRASTRUCTURE CONSTRUCTION PROJECTS ON LAND USED FOR AGRICULTURAL OR SILVICULTURAL PURPOSES, FINAL STABILIZATION MAY BE ACCOMPLISHED BY STABILIZING THE DISTURBED LAND FOR ITS AGRICULTURAL OR SILVICULTURAL USE.
- H) ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS 111.0 .3. OR 111.0.4., WHICHEVER IS APPLICABLE.
- I) 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 RECEIVING WATER(S) BEING INCREASED BY MORE THAN TEN (10) NEPHELOMETRIC TURBIDITY UNITS FOR WATERS CLASSIFIED AS TROUT STREAMS OR MORE THAN TWENTY-FIVE (25) NEPHELOMETRIC TURBIDITY UNITS FOR WATERS SUPPORTING WARM WATER FISHERIES, REGARDLESS OF A PERMITTEE'S CERTIFICATION UNDER PART 11.8.1.1.
- J) WHEN THE PERMITTEE HAS ELECTED TO SAMPLE OUTFALL(S), THE 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 CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING THE VALUE SELECTED FROM APPENDIX 8 APPLICABLE TO THE CONSTRUCTION SITE. AS SET FORTH THEREIN, THE NEPHELOMETRIC TURBIDITY UNIT (NTU) VALUE SHALL BE SELECTED FROM APPENDIX B BASED UPON THE SIZE OF THE CONSTRUCTION SITE, THE SURFACE WATER DRAINAGE AREA AND WHETHER THE RECEIVING WATER(S) SUPPORTS WARM WATER FISHERIES OR IS A TROUT STREAM AS INDICATED IN THE RULES AND REGULATIONS FOR WATER QUALITY CONTROL, CHAPTER 391-3-6 AT [WWW.GAEPD.ORG](http://www.gaepd.org).

SAMPLING FREQUENCY

- 1) THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORM WATER DISCHARGE TO MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.
- 2) HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.
- 3) SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS:
 - A) FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT. AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING LOCATION;
 - B) IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORM WATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING LOCATION, WHICHEVER COMES FIRST;
 - C) AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED;
 - D) WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE; AND

SAMPLING FREQUENCY (CONTINUED)

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

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

REPORTING

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

- 2) ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:
 - A) THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS;
 - B) THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
 - C) THE DATE(S) ANALYSES WERE PERFORMED;
 - D) THE TIME(S) ANALYSES WERE INITIATED;
 - E) THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;
 - F) REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;
 - G) THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS;
 - H) RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU"; AND
 - I) CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.
- 3) ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI. IF AN ELECTRONIC SUBMITTAL IS PROVIDED BY EPD THEN THE WRITTEN CORRESPONDENCE MAY BE SUBMITTED ELECTRONICALLY; IF REQUIRED, A PAPER COPY MUST ALSO BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL OR SIMILAR SERVICE.



GEORGIA SOIL AND WATER CONSERVATION COMMISSION

William T. Roberts

Level II Certified Design Professional

CERTIFICATION NUMBER 0000070272

ISSUED: 01/31/2014

EXPIRES: 01/31/2017

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DEPARTMENT OF
WATERSHED
MANAGEMENT
DEKALB COUNTY, GEORGIA

SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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REV	DATE	DESCRIPTION
0	5/27/16	INITIAL ISSUE
1	12/9/16	REVIEW COMMENTS

STAMP:



SHEET TITLE: 42 of 65

ES&PC
NARRATIVE PLAN

ISSUED: 5.27.16

PROJECT NO.

SCALE: NONE

CHKD BY: A.R.

DESIGNED BY: J.J.

DRAWN BY: J.J.

C-26

E:\DeKalb Demand Services\Task 14.1 - S. Fork Sewer Segment\Task 3 Detailed Design\Design C-24 - C-27.dwg, PRINTED By: Jonathan Jones On: Mon, Dec 05, 2016 AT 10:55 AM

RETENTION OF RECORDS

- 1) THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:
- A) A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
- B) A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
- C) THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.S. OF THIS PERMIT;
- D) A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
- E) A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT;
- F) A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND
- G) DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(2).OF THIS PERMIT
- 2) COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION), OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION UNCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

ACTIVITIES WITHIN A BUFFER

- 1) EXCEPT AS PROVIDED IN PART IV.(III). IN THE GAR100002 PERMIT, NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 25 FOOT BUFFER ALONG THE BANKS OF ALL STATE WATERS, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, EXCEPT WHERE THE DIRECTOR HAS DETERMINED TO ALLOW A VARIANCE THAT IS AT LEAST AS PROTECTIVE OF NATURAL RESOURCES AND THE ENVIRONMENT IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-7-6, OR WHERE A DRAINAGE STRUCTURE OR A ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED, PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED IN THE PROJECT PLANS AND SPECIFICATIONS AND ARE IMPLEMENTED, OR ALONG ANY EPHEMERAL STREAM, OR WHERE BULKHEADS AND SEAWALLS MUST BE CONSTRUCTED TO PREVENT THE EROSION OF THE SHORELINE ON LAKE OCONEE AND LAKE SINCLAIR, THE BUFFER SHALL NOT APPLY TO THE FOLLOWING ACTIVITIES PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS ARE IMPLEMENTED:
- A) PUBLIC DRINKING WATER SYSTEM RESERVOIRS,
- B) FENCES,
- C) STREAM CROSSINGS FOR WATER LINES AND SEWER LINES, PROVIDED THAT THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER
- D) STREAM CROSSINGS FOR ANY UTILITY LINES OF ANY ELECTRIC MEMBERSHIP CORPORATION OR MUNICIPAL ELECTRICAL SYSTEM OR ANY PUBLIC UTILITY UNDER THE REGULATORY JURISDICTION OF THE PUBLIC SERVICE COMMISSION, ANY UTILITY UNDER THE REGULATORY JURISDICTION OF THE FEDERAL ENERGY REGULATORY COMMISSION, ANY CABLE TELEVISION SYSTEM AS DEFINED IN CODE SECTION 36-18-1, OR ANY AGENCY OR INSTRUMENTALITY OF THE UNITED STATES ENGAGED IN THE GENERATION, TRANSMISSION OR DISTRIBUTION OF POWER, PROVIDED THAT:
- a) THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER,
- b) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND
- c) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT,
- E) STREAM CROSSINGS FOR AERIAL UTILITY LINES, PROVIDED THAT:
- a) THE NEW UTILITY LINE RIGHT-OF-WAY WIDTH DOES NOT EXCEED 200 LINEAR FEET,
- b) UTILITY LINES ARE ROUTED AND CONSTRUCTED SO AS TO MINIMIZE THE NUMBER OF STREAM CROSSINGS AND DISTURBANCES TO THE BUFFER,
- c) ONLY TREES AND TREE DEBRIS ARE REMOVED FROM WITHIN THE BUFFER RESULTING IN ONLY MINOR SOIL EROSION (I.E., DISTURBANCE TO UNDERLYING VEGETATION IS MINIMIZED), AND

ACTIVITIES WITHIN A BUFFER (CONTINUED)

- d) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER. THE PLAN SHALL INCLUDE A DESCRIPTION OF THE STREAM CROSSINGS WITH DETAILS OF THE BUFFER DISTURBANCE INCLUDING AREA AND LENGTH OF BUFFER DISTURBANCE, ESTIMATED LENGTH OF TIME OF BUFFER DISTURBANCE, AND JUSTIFICATION;
- F) RIGHT-OF-WAY POSTS, GUY-WIRES, ANCHORS, SURVEY MARKERS AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY UNDERTAKEN OR FINANCED IN WHOLE OR IN PART BY THE DEPARTMENT OF TRANSPORTATION, THE GEORGIA HIGHWAY AUTHORITY OR THE STATE ROAD AND TOLLWAY AUTHORITY OR UNDERTAKEN BY ANY COUNTY OR MUNICIPALITY, PROVIDED THAT:
- a) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 1 00 SQUARE FEET PER STRUCTURE,
- b) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE,
- c) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND
- d) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT; AND
- G) RIGHT-OF-WAY POSTS, GUY-WIRES, ANCHORS, SURVEY MARKERS AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY UNDERTAKEN BY ANY ELECTRIC MEMBERSHIP CORPORATION OR MUNICIPAL ELECTRICAL SYSTEM OR ANY PUBLIC UTILITY UNDER THE REGULATORY JURISDICTION OF THE PUBLIC SERVICE COMMISSION, ANY UTILITY UNDER THE REGULATORY JURISDICTION OF THE FEDERAL ENERGY REGULATORY COMMISSION, ANY CABLE TELEVISION SYSTEM AS DEFINED IN CODE SECTION 36-18-1, OR ANY AGENCY OR INSTRUMENTALITY OF THE UNITED STATES ENGAGED IN THE GENERATION, TRANSMISSION OR DISTRIBUTION OF POWER, PROVIDED THAT:
- a) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE,
- b) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE,
- c) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND
- d) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
- 2) NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 50 FOOT BUFFER, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, ALONG THE BANKS OF ANY STATE WATERS CLASSIFIED AS 'TROUT STREAMS' EXCEPT WHEN APPROVAL IS GRANTED BY THE DIRECTOR FOR ALTERNATE BUFFER REQUIREMENTS IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-7-6, OR WHERE A ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED; PROVIDED, HOWEVER, THAT SMALL SPRINGS AND STREAMS CLASSIFIED AS 'TROUT STREAMS' WHICH DISCHARGE AN AVERAGE ANNUAL FLOW OF 25 GALLONS PER MINUTE OR LESS SHALL HAVE A 25 FOOT BUFFER OR THEY MAY BE PIPED, AT THE DISCRETION OF THE PERMITTEE, PURSUANT TO THE TERMS OF A RULE PROVIDING FOR A GENERAL VARIANCE PROMULGATED BY THE BOARD OF NATURAL RESOURCES INCLUDING NOTIFICATION OF SUCH TO EPD AND THE LOCAL ISSUING AUTHORITY OF THE LOCATION AND EXTENT OF THE PIPING AND PRESCRIBED METHODOLOGY FOR MINIMIZING THE IMPACT OF SUCH PIPING AND FOR MEASURING THE VOLUME OF WATER DISCHARGED BY THE STREAM. ANY SUCH PIPE MUST STOP SHORT OF THE DOWNSTREAM PERMITTEE'S PROPERTY, AND THE PERMITTEE MUST COMPLY WITH THE BUFFER REQUIREMENT FOR ANY ADJACENT TROUT STREAMS. THE BUFFER SHALL NOT APPLY TO THE FOLLOWING ACTIVITIES PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS ARE IMPLEMENTED:
- A) PUBLIC DRINKING WATER SYSTEM RESERVOIRS,
- B) FENCES,
- C) STREAM CROSSINGS FOR WATER LINES AND SEWER LINES, PROVIDED THAT THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER
- D) STREAM CROSSINGS FOR ANY UTILITY LINES OF ANY ELECTRIC MEMBERSHIP CORPORATION OR MUNICIPAL ELECTRICAL SYSTEM OR ANY PUBLIC UTILITY UNDER THE REGULATORY JURISDICTION OF THE PUBLIC SERVICE COMMISSION, ANY UTILITY UNDER THE REGULATORY JURISDICTION OF THE FEDERAL ENERGY REGULATORY COMMISSION, ANY CABLE TELEVISION SYSTEM AS DEFINED IN CODE SECTION 36-18-1, OR ANY AGENCY OR INSTRUMENTALITY OF THE UNITED STATES ENGAGED IN THE GENERATION, TRANSMISSION OR DISTRIBUTION OF POWER, PROVIDED THAT:
- a) THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER,
- b) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND
- c) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT,
- E) STREAM CROSSINGS FOR AERIAL UTILITY LINES, PROVIDED THAT:
- a) THE NEW UTILITY LINE RIGHT-OF-WAY WIDTH DOES NOT EXCEED 200 LINEAR FEET,

ACTIVITIES WITHIN A BUFFER (CONTINUED)

- b) UTILITY LINES ARE ROUTED AND CONSTRUCTED SO AS TO MINIMIZE THE NUMBER OF STREAM CROSSINGS AND DISTURBANCES TO THE BUFFER,
- c) ONLY TREES AND TREE DEBRIS ARE REMOVED FROM WITHIN THE BUFFER RESULTING IN ONLY MINOR SOIL EROSION (I.E., DISTURBANCE TO UNDERLYING VEGETATION IS MINIMIZED), AND
- d) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER. THE PLAN SHALL INCLUDE A DESCRIPTION OF THE STREAM CROSSINGS WITH DETAILS OF THE BUFFER DISTURBANCE INCLUDING AREA AND LENGTH OF BUFFER DISTURBANCE, ESTIMATED LENGTH OF TIME OF BUFFER DISTURBANCE, AND JUSTIFICATION; AND
- F) RIGHT-OF-WAY POSTS, GUY-WIRES, ANCHORS, SURVEY MARKERS AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE RIGHT-OF-WAY UNDERTAKEN OR FINANCED IN WHOLE OR IN PART BY THE DEPARTMENT OF TRANSPORTATION, THE GEORGIA HIGHWAY AUTHORITY OR THE STATE ROAD AND TOLLWAY AUTHORITY OR UNDERTAKEN BY ANY COUNTY OR MUNICIPALITY, PROVIDED THAT:
- a) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE,
- b) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE,
- c) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND
- d) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT; AND
- G) RIGHT-OF-WAY POSTS, GUY-WIRES, ANCHORS, SURVEY MARKERS AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY UNDERTAKEN BY ANY ELECTRIC MEMBERSHIP CORPORATION OR MUNICIPAL ELECTRICAL SYSTEM OR ANY PUBLIC UTILITY UNDER THE REGULATORY JURISDICTION OF THE PUBLIC SERVICE COMMISSION, ANY UTILITY UNDER THE REGULATORY JURISDICTION OF THE FEDERAL ENERGY REGULATORY COMMISSION, ANY CABLE TELEVISION SYSTEM AS DEFINED IN CODE SECTION 36-18-1, OR ANY AGENCY OR INSTRUMENTALITY OF THE UNITED STATES ENGAGED IN THE GENERATION, TRANSMISSION OR DISTRIBUTION OF POWER, PROVIDED THAT:
- a) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE,
- b) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE,
- c) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND
- d) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT.
- 3) EXCEPT AS PROVIDED ABOVE, FOR BUFFERS REQUIRED PURSUANT TO PART IV.(I), AND (II), NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A BUFFER AND A BUFFER SHALL REMAIN IN ITS NATURAL, UNDISTURBED, STATE OF VEGETATION UNTIL ALL LAND DISTURBING ACTIVITIES ON THE CONSTRUCTION SITE ARE COMPLETED. DURING COVERAGE UNDER THIS PERMIT, A BUFFER CANNOT BE THINNED OR TRIMMED OF VEGETATION AND A PROTECTIVE VEGETATIVE COVER MUST REMAIN TO PROTECT WATER QUALITY AND AQUATIC HABITAT AND A NATURAL CANOPY MUST BE LEFT IN SUFFICIENT QUANTITY TO KEEP SHADE ON THE STREAM BED.

IMPAIRED STREAM SEGMENT

ANY PERMITTEE WHO INTENDS TO OBTAIN COVERAGE UNDER THE GAR1000002 PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN ONE (1) LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF AN IMPAIRED STREAM SEGMENT IDENTIFIED AS "NOT SUPPORTING" ITS DESIGNATED USE(S), AS SHOWN ON GEORGIA'S MOST CURRENT "305(B)/303(D) LIST DOCUMENTS (FINAL)" AT THE TIME OF NOI SUBMITTAL, MUST SATISFY THE REQUIREMENTS OF PART III.C. OF THIS PERMIT IF THE IMPAIRED STREAM SEGMENT HAS BEEN LISTED FOR CRITERIA VIOLATED: "BIO F" (IMPAIRED FISH COMMUNITY) AND/OR "BIO M" (IMPAIRED MACROINVERTEBRATE COMMUNITY), WITHIN CATEGORY 4A, 4B OR 5, AND THE POTENTIAL CAUSE IS EITHER "NP" (NONPOINT SOURCE) OR "UR" (URBAN RUNOFF). THOSE DISCHARGES THAT ARE LOCATED WITHIN ONE (1) LINEAR MILE OF AN IMPAIRED STREAM SEGMENT, BUT ARE NOT LOCATED WITHIN THE WATERSHED OF ANY PORTION OF THAT STREAM SEGMENT, ARE EXCLUDED FROM THIS REQUIREMENT. GEORGIA'S 305(B)/303(D) LIST DOCUMENTS (FINAL)" CAN BE VIEWED ON THE EPD WEBSITE.

IMPAIRED STREAM - SOUTH FORK PEACHTREE CREEK
LOCATION - HEADWATERS TO PEACHTREE CREEK, ATLANTA
WATERBODY ID - GAR031300011207
RIVERBASIN / USE - UPPER CHATTAHOOCHEE / FISHING
CRITERION VIOLATED - FECAL COLIFORMS (FC), BIOTA IMPACTED (BIO F, BIO M)
POTENTIAL CAUSES - URBAN RUNOFF (UR)
CATEGORY - 4A, 5

IMPAIRED STREAM - BURNT FORK CREEK
LOCATION - HEADWATERS TO SOUTH FORK PEACHTREE CREEK
WATERBODY ID - GAR031300011211
RIVERBASIN / USE - UPPER CHATTAHOOCHEE / FISHING
CRITERION VIOLATED - FECAL COLIFORMS (FC)
POTENTIAL CAUSES - URBAN RUNOFF (UR)
CATEGORY - 4A

IMPAIRED STREAM SEGMENT (CONTINUED)

IN ORDER TO ENSURE THAT THE PERMITTEE'S DISCHARGE(S) DO NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF STATE WATER QUALITY STANDARDS, THE PLAN MUST INCLUDE FOUR (4) OF THE FOLLOWING BEST MANAGEMENT PRACTICES (BMPs) FOR THOSE AREAS OF THE SITE WHICH DISCHARGE INTO OR WITHIN ONE (1) LINEAR MILE UPSTREAM AND WITHIN THE SAME WATERSHED AS THE IMPAIRED STREAM SEGMENT:

- 1) DURING ALL CONSTRUCTION ACTIVITIES DOUBLE THE WIDTH OF THE 25 FOOT UNDISTURBED VEGETATED BUFFER ALONG ALL STATE WATER REQUIRING A BUFFER AND THE 50 FOOT UNDISTURBED VEGETATED BUFFER ALONG ALL STATE WATERS CLASSIFIED AS "TROUT STREAMS" REQUIRING A BUFFER.
- 2) A LARGE SIGN (MINIMUM FOUR (4) FEET X EIGHT (8) FEET) MUST BE ON THE SITE ON THE ACTUAL START DATE OF CONSTRUCTION VISIBLE FROM A PUBLIC ROADWAY IDENTIFYING THE CONSTRUCTION SITE, THE PERMITEE(S), AND THE CONTACT PERSON(S) AND TELEPHONE NUMBER(S) UNTIL A NOTICE OF TERMINATION HAS BEEN SUBMITTED.
- 3) CONDUCT TURBIDITY SAMPLING AFTER EVERY RAIN EVENT OF 0.5 INCH OR GREATER WITHIN ANY TWENTY FOUR (24) PERIOD.
- 4) CERTIFIED PERSONNEL SHALL CONDUCT INSPECTIONS AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN TWENTY FOUR (24) HOURS OF THE END OF THE STORM THAT IS 0.5 INCHES RAINFALL OR GREATER.

TREE PROTECTION

- 1) TREES OUTSIDE OF THE PERMANENT AND/OR TEMPORARY EASEMENTS ARE PROTECTED.
- 2) ANY ACTIVITIES WHICH COULD ADVERSELY IMPACT THE CRITICAL ROOT ZONE INSIDE A TREE'S DRIP LINE SHALL NOT BE PERMITTED.
- 3) ADDITIONAL TREE PROTECTION BARRIERS FOR TREES LOCATED OUTSIDE OF THE LIMITS OF DISTURBANCE SHALL BE INSTALLED IN A GIVEN RADIUS FROM A PROTECTED TREE'S TRUNK AS DETERMINED BY THE DIAMETER AT BREAST HEIGHT (DBH). TREE PROTECTION SHALL BE PROVIDED WHERE TREES WITH A DBH LESS THAN EIGHTEEN (18) INCHES ARE LOCATED THAN A TWENTY (20) FEET RADIUS TO THE LIMITS OF DISTURBANCE, AND TREES WITH A DBH GREATER THAN EIGHTEEN (18) INCHES ARE LOCATED CLOSER THAN A THIRTY (30) FEET RADIUS TO THE LIMITS OF DISTURBANCE.
- 4) TREES PROVISIONALLY INDICATED FOR REMOVAL SHALL ONLY BE REMOVED UPON APPROVAL OF DEKALB COUNTY, AND THE CONTRACTOR MUST DEMONSTRATE PROTECTION OF THE TREE WILL ADVERSELY IMPACT SCHEDULED CONSTRUCTION ACTIVITIES.
- 5) TREES OUTSIDE OF THE PERMANENT EASEMENT BOUNDARY DAMAGED OR REMOVED BY CONSTRUCTION ACTIVITIES SHALL BE TREATED OR REPLACED IN ACCORDANCE TO THE REQUIREMENTS DESCRIBED IN ORDINANCE 14-39 SECTION (G), SUBSECTION (9), PARAGRAPH (D) OF THE DEKALB COUNTY CODE OF ORDINANCES. DEKALB COUNTY'S PREFERENCE IS TO REIMBURSE PROPERTY OWNERS FOR THE RETAIL COST OF REPLACEMENT TREES DAMAGED BY CONSTRUCTION BASED UPON THE REQUIREMENTS FOR SIZE, NUMBER, AND SPECIES AS DETAILED IN THE ORDINANCE. THE PRICE SHALL BE EQUAL TO THE RETAIL COST PLUS SALES TAX AND DELIVERY WITHIN FIVE MILES AS FOUND AT PIKE NURSERIES AS OF THE NOTICE TO PROCEED DATE.



GEORGIA SOIL AND WATER
CONSERVATION COMMISSION

William T. Roberts
Level II Certified Design Professional

CERTIFICATION NUMBER 0000070272
ISSUED: 01/31/2014 EXPIRES: 01/31/2017

24 HOUR CONTACT

(770) 270-6243



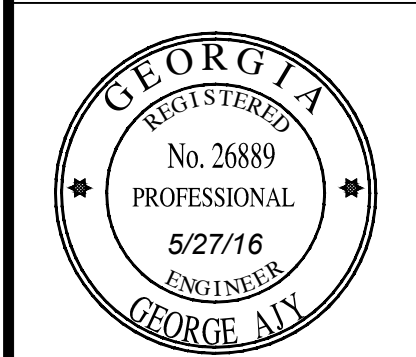
1841 PEELER RD.
UNIT C
ATLANTA, GA 30338
PHONE: (678) 336-6732
WWW.R2TINC.COM

CLIENT:
DEKALB COUNTY
DEPARTMENT OF
WATERSHED
MANAGEMENT
DEKALB COUNTY, GEORGIA

PROJECT:
SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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REV	DATE	DESCRIPTION
0	5/27/16	INITIAL ISSUE
1	12/9/16	REVIEW COMMENTS

STAMP:



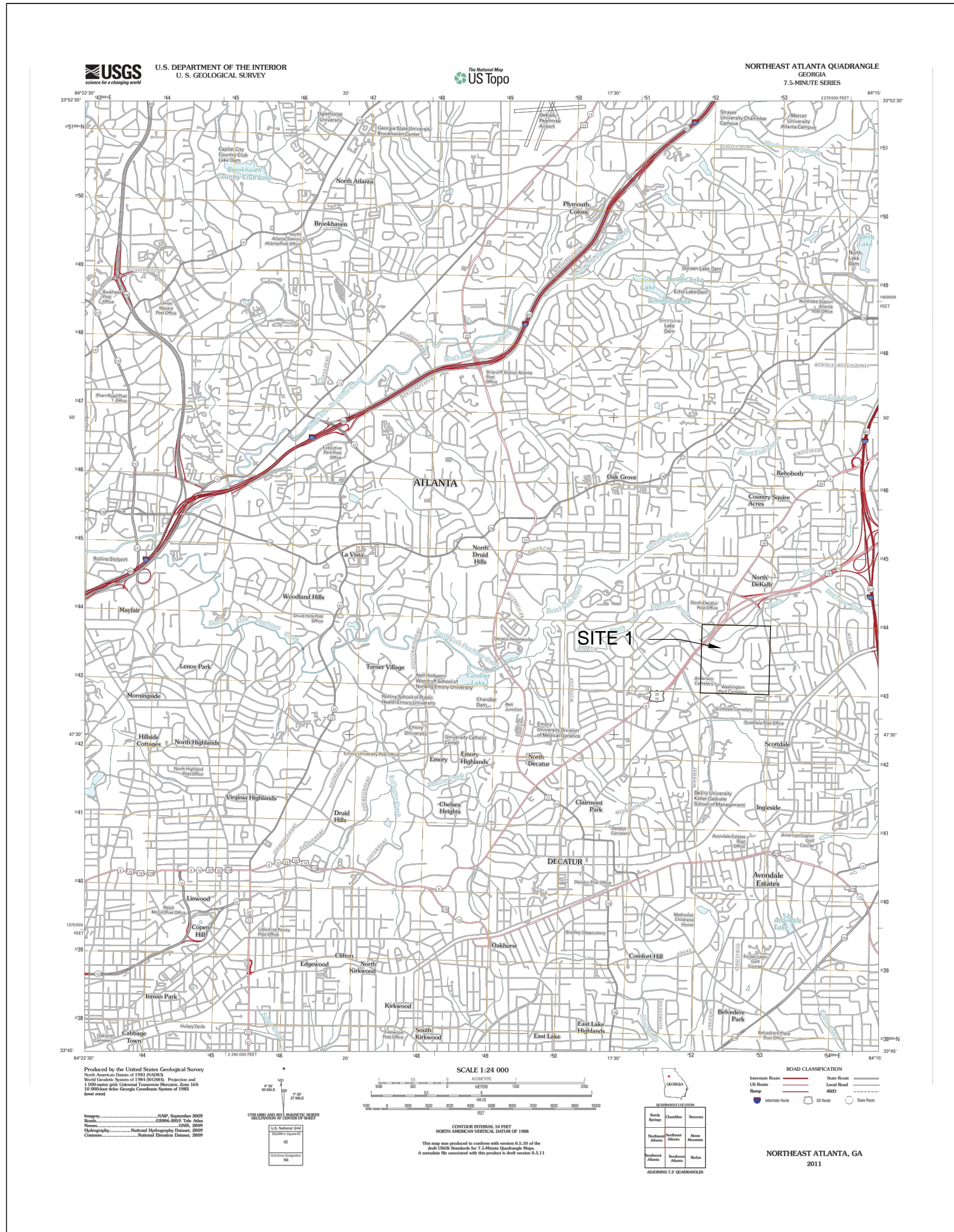
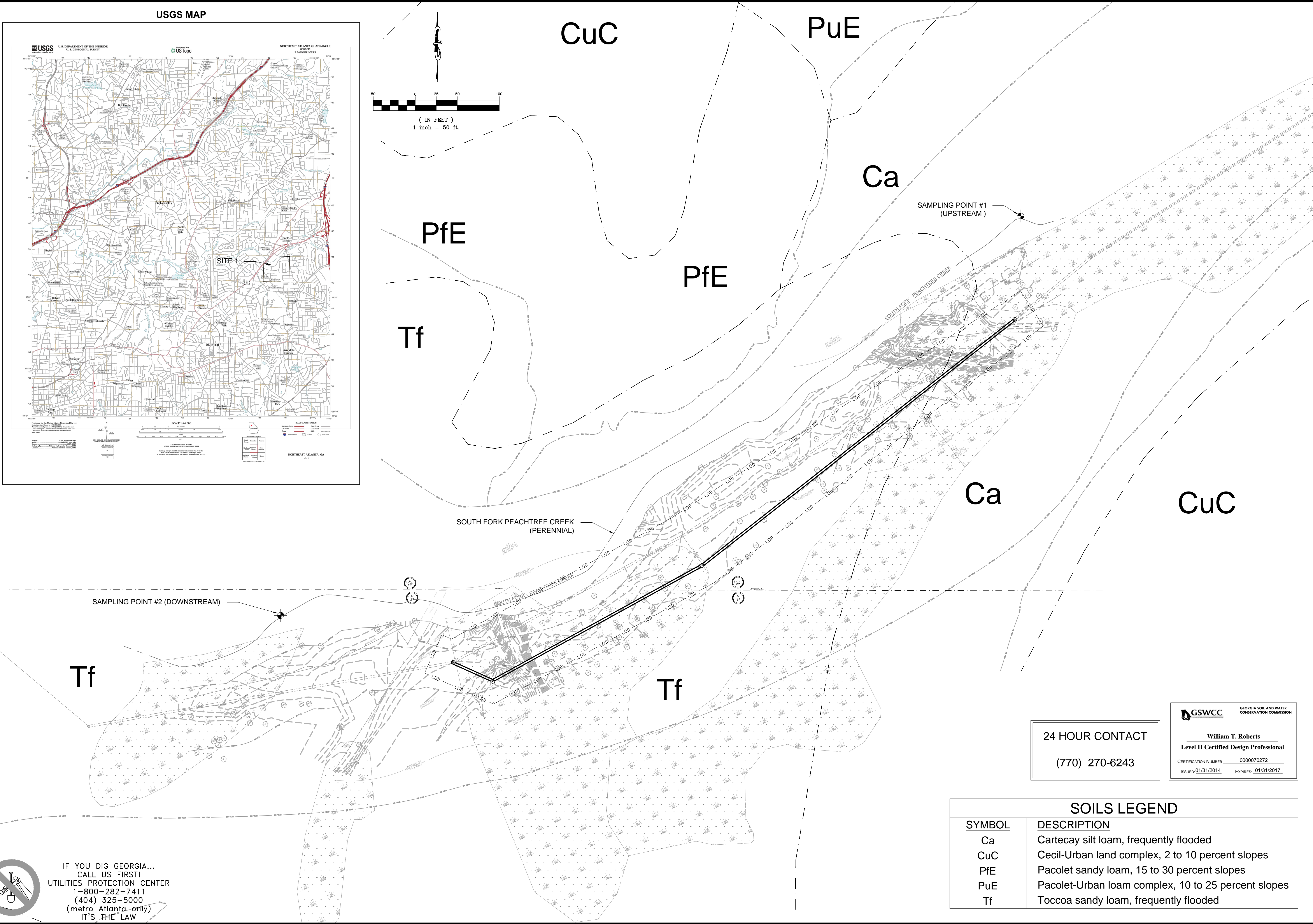
SHEET TITLE: 43 of 65

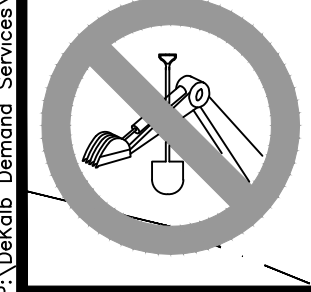
ES&PC
NARRATIVE PLAN

ISSUED: 5.27.16
PROJECT NO.
SCALE: NONE
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.


C-27

P:\DeKalb Demand Services\Task 14.1 - S. Fork Sewer Segments\Task 3 - Detailed Design\Design\Soil Monitoring Plans.dwg, PRINTED BY: Jonathan Jones ON Mon, Dec 05 2016 AT 10:55 AM




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 **GSWCC** GEORGIA SOIL AND WATER CONSERVATION COMMISSION
William T. Roberts
Level II Certified Design Professional
CERTIFICATION NUMBER: 0000070272
ISSUED: 01/31/2014 EXPIRES: 01/31/2017

SOILS LEGEND	
SYMBOL	DESCRIPTION
Ca	Cartecay silt loam, frequently flooded
CuC	Cecil-Urban land complex, 2 to 10 percent slopes
PfE	Pacolet sandy loam, 15 to 30 percent slopes
PuE	Pacolet-Urban loam complex, 10 to 25 percent slopes
Tf	Toccoa sandy loam, frequently flooded



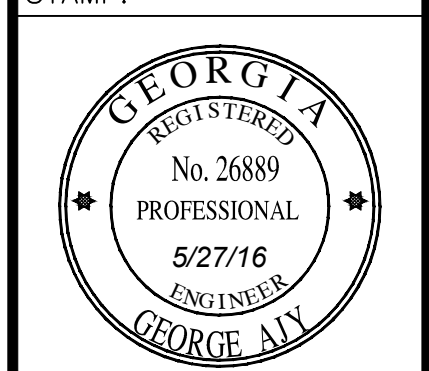
1841 PEELER RD.
UNIT C
ATLANTA, GA 30338
PHONE: (678) 336-5732
WWW.R2TINC.COM

CLIENT: DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT DEKALB COUNTY, GEORGIA

PROJECT: SOUTH FORK PEACHTREE CREEK SANITARY SEWER REPLACEMENT LAND LOTS 63, 100, 102, 103, 113, 118, & 119 © 2010, R2T INC., DISTRICT 18

REV	DATE	DESCRIPTION	INITIAL	ISSUE	REVIEW	COMMENTS
0	5/27/16					
1	12/9/16					

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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 26889 5/27/16

SHEET TITLE: 44 of 65

SOIL MONITORING PLAN - SITE 1

ISSUED: 5.27.16

PROJECT NO.

SCALE: 1" = 50'

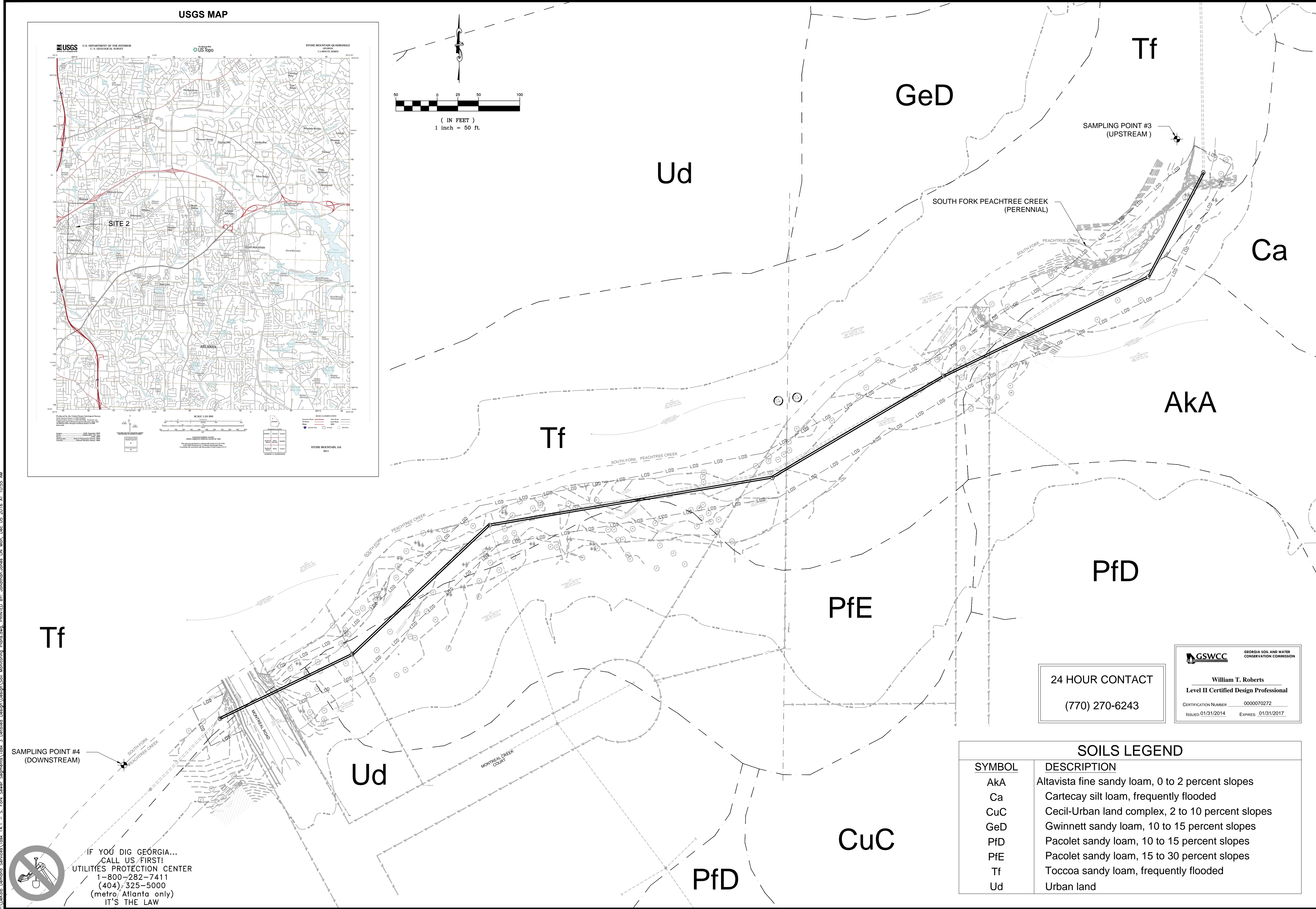
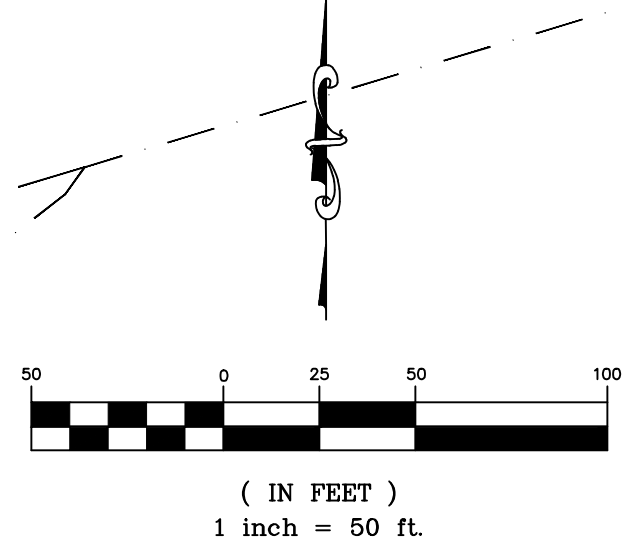
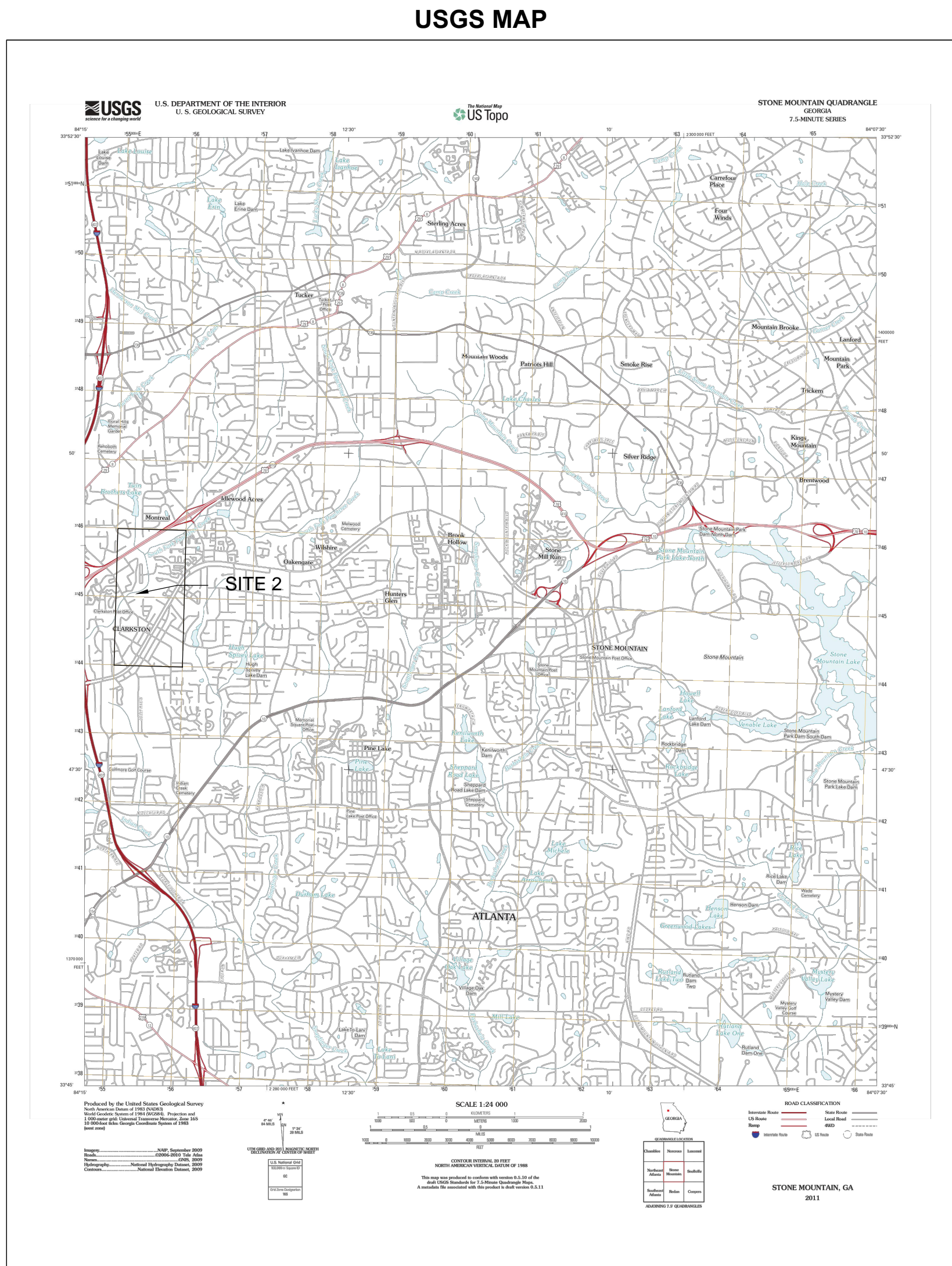
CHKD BY: A.R.

DESIGNED BY: J.J.

DRAWN BY: J.J.

C-28

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William T. Roberts
Level II Certified Design Professional

CERTIFICATION NUMBER 0000070272
ISSUED 01/31/2014 EXPIRES 01/31/2017

SYMBOL	DESCRIPTION
AkA	Altavista fine sandy loam, 0 to 2 percent slopes
Ca	Cartecay silt loam, frequently flooded
CuC	Cecil-Urban land complex, 2 to 10 percent slopes
GeD	Gwinnett sandy loam, 10 to 15 percent slopes
PfD	Pacolet sandy loam, 10 to 15 percent slopes
PfE	Pacolet sandy loam, 15 to 30 percent slopes
Tf	Toccoa sandy loam, frequently flooded
Ud	Urban land

1841 PEELER RD.
UNIT C
ATLANTA, GA 30338
PHONE: (678) 336-5732
WWW.R2TINC.COM

CLIENT:

DEKALB COUNTY
DEPARTMENT OF
WATERSHED
MANAGEMENT
DEKALB COUNTY, GEORGIA

PROJECT:

SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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REV	DATE	DESCRIPTION	INITIAL	ISSUE	REVIEW	COMMENTS
0	5/27/16					
1	12/9/16					

STAMP:

SHEET TITLE: 45 of 65

SOIL MONITORING
PLAN - SITE 2

ISSUED: 5.27.16

PROJECT NO.

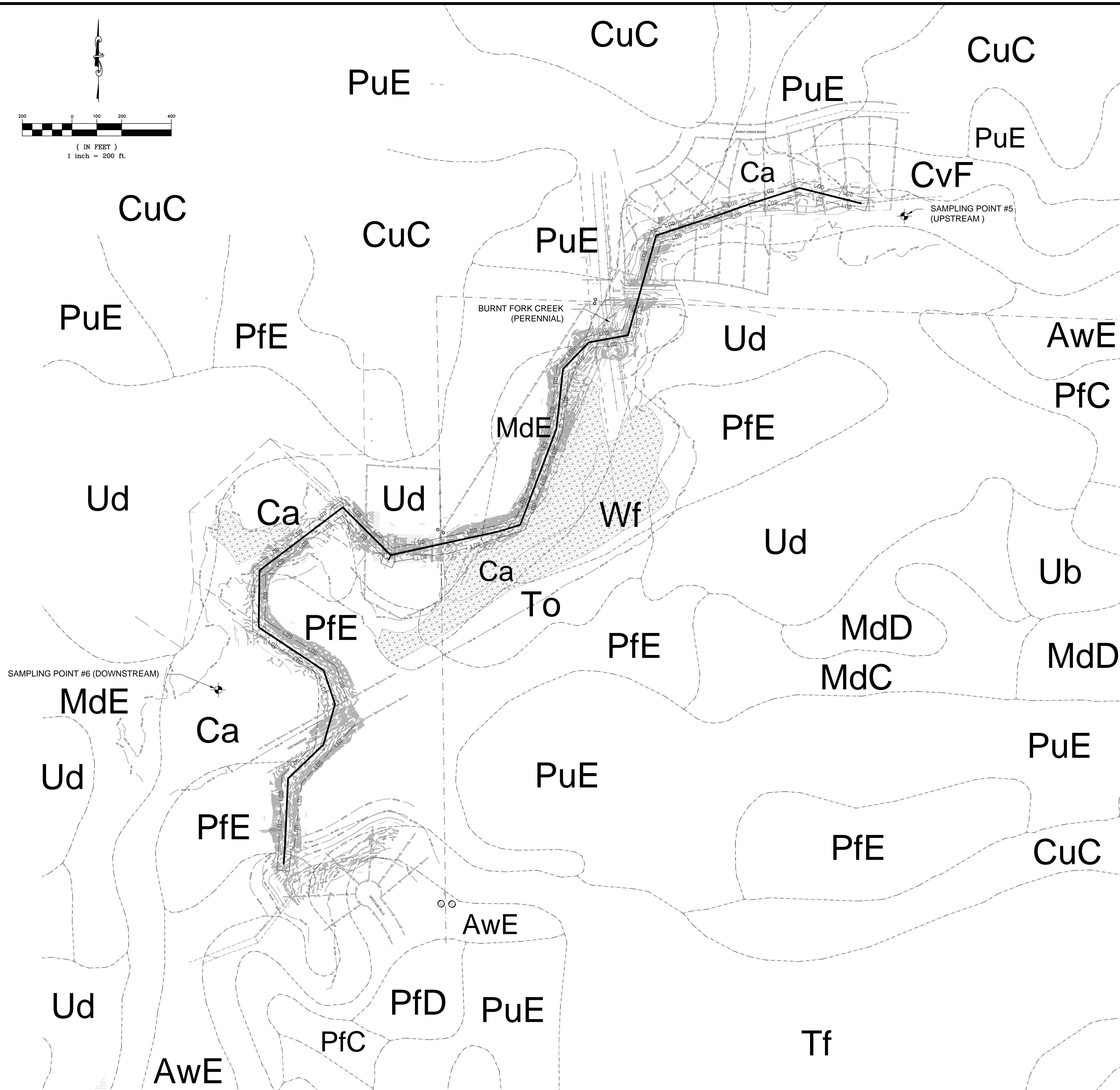
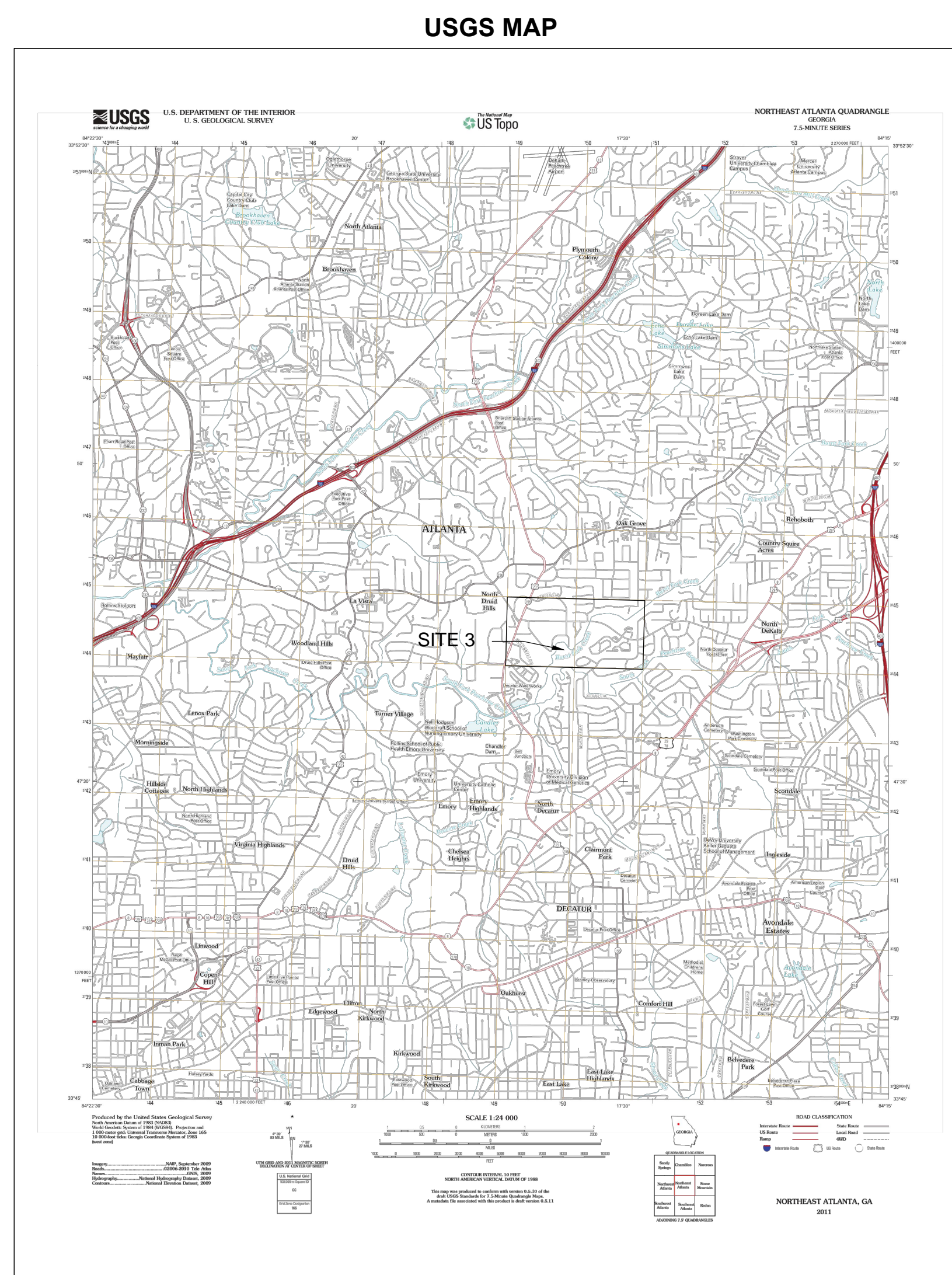
SCALE: 1" = 50'

CHKD BY: A.R.

DESIGNED BY: J.J.

DRAWN BY: J.J.

C-29





SOILS LEGEND	
<u>SYMBOL</u>	<u>DESCRIPTION</u>
AwE	Ashlar-Wedowee complex, 10 to 25 percent slopes
Ca	Cartecay silt loam, frequently flooded
CuC	Cecil-Urban land complex, 2 to 10 percent slopes
CvF	Chestatee stony sandy loam, 15 to 45 percent slopes
MdC	Madison sandy loam, 2 to 6 percent slopes
MdD	Madison sandy loam, 10 to 15 percent slopes
MdE	Madison sandy loam, 15 to 30 percent slopes
PfC	Pacolet sandy loam, 2 to 10 percent slopes
PfD	Pacolet sandy loam, 10 to 15 percent slopes
PfE	Pacolet sandy loam, 15 to 30 percent slopes
PuE	Pacolet-Urban loam complex, 10 to 25 percent slopes
Tf	Toccoa sandy loam, frequently flooded
To	Toccoa sandy loam, high
Ub	Udorthents, 2 to 10 percent slopes
Ud	Urban land
Wf	Wehadkee silt loam, frequently flooded



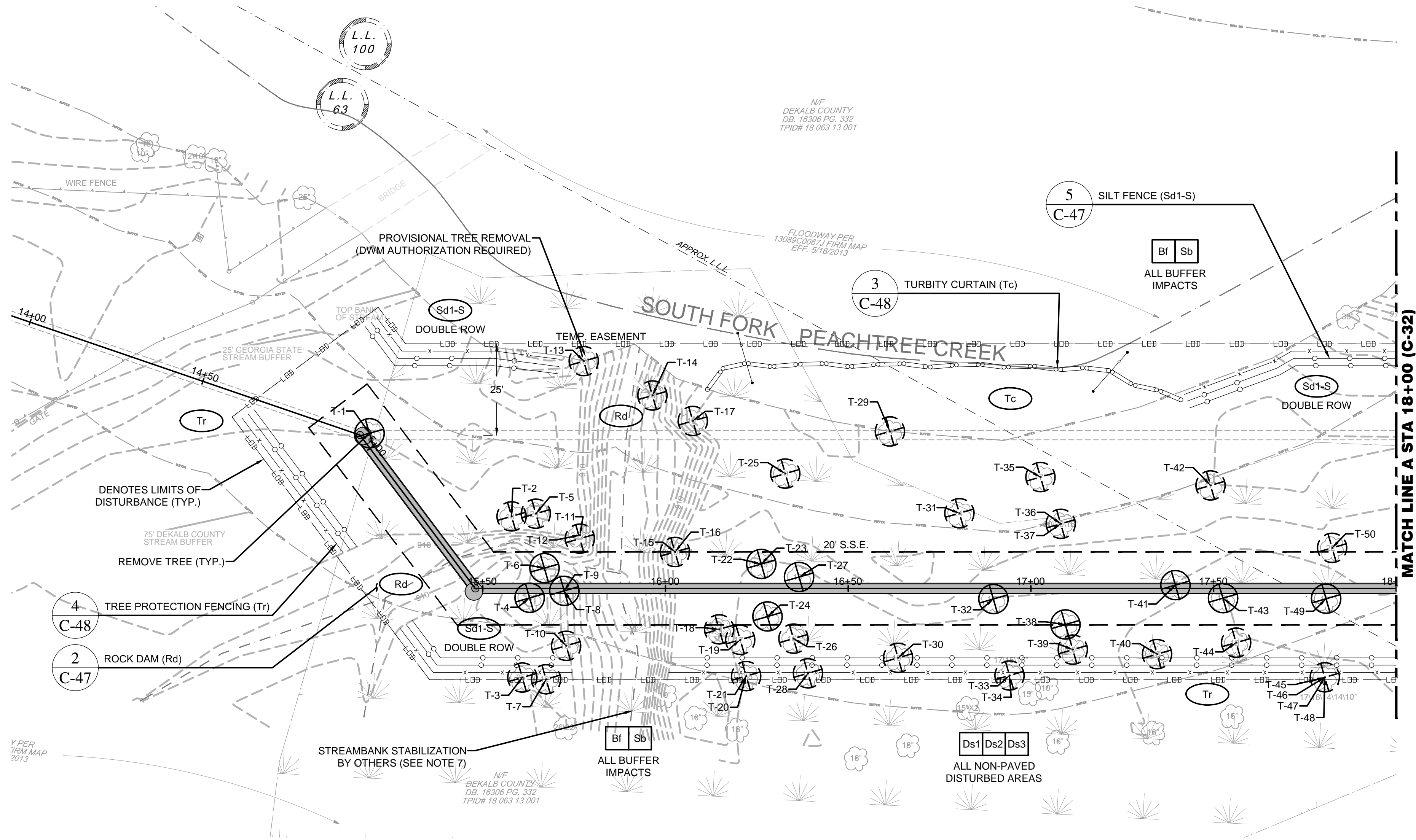
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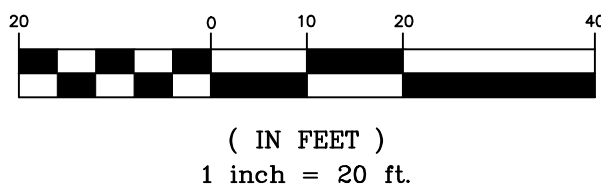
 1841 PEELER RD. UNIT C ATLANTA, GA 30338 PHONE: (678) 336-5732 WWW.R2TINC.COM		
CLIENT: DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT <small>DEKALB COUNTY, GEORGIA</small>		
PROJECT: SOUTH FORK PEACHTREE CREEK SANITARY SEWER REPLACEMENT <small>LAND LOTS 63, 100, 102, 103, 113, 118, & 119 DISTRICT 18</small> © 2010 R2T INC.		
REV.	DATE	DESCRIPTION
0	5/27/16	INITIAL ISSUE
1	12/9/16	REVIEW COMMENTS
STAMP:		
		
SHEET TITLE:		46 of 65
SOIL MONITORING PLAN - SITE 3		
ISSUED: 5.27.16		
PROJECT NO.		
SCALE: 1" = 200'		
CHKD BY: A.R.		
DESIGNED BY: J.J.		
DRAWN BY: J.J.		
C-30		

NOTES

- ALL TREES WITHIN THE PERMANENT EASEMENT WILL BE REMOVED.
- TREES WITHIN THE CONSTRUCTION EASEMENT MAY BE REMOVED WITH DCDWM REVIEW OF CONTRACTOR'S JUSTIFICATION STATEMENT AND SUBSEQUENT WRITTEN DCDWM APPROVAL.
- PRIVATE TREES WITH DRIPLINES WHICH EXTEND INTO THE CONSTRUCTION EASEMENT SHALL BE PROTECTED WITH TREE PROTECTION FENCE WITHIN THE CONSTRUCTION EASEMENT AT ALL TIMES.
- ALONG ALL STATE WATERS AND OTHER SENSITIVE AREAS, TWO ROWS OF SILT FENCE (SENSITIVE) SHALL BE USED AS SEDIMENT BARRIER.
- ALONG NON SENSITIVE AREAS, BRUSH OBTAINED FROM CLEARING AND GRUBBING SHALL BE USED AS SEDIMENT BARRIER.
- SAMPLING LOCATIONS SHOWN ON SHEET C-28.
- CONTRACTOR TO COORDINATE STREAM RESTORATION WITH LITTLE CREEK HORSE FARM STREAM RESTORATION PROJECT, AP #19354. COORDINATION REQUIREMENTS LOCATED WITHIN SPECIFICATIONS.

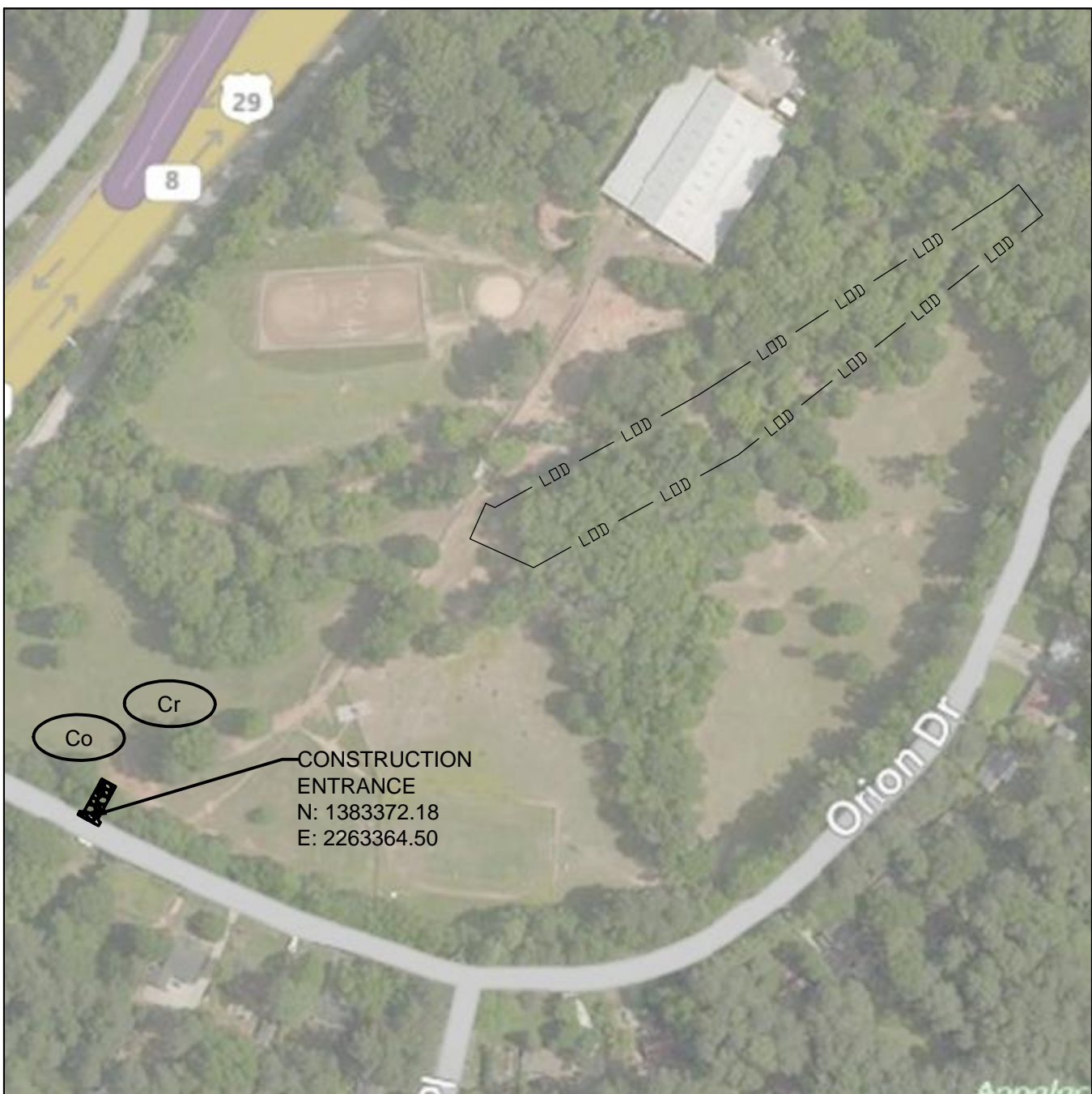


PLAN
GRAPHIC SCALE



NOTES

- RECOMMENDED POINT OF ENTRY AT EXISTING GATE ALONG ORION DRIVE. CONTRACTOR TO OBTAIN RIGHT OF ENTRY OR TEMPORARY EASEMENT AS APPLICABLE FOR SITE ACCESS.



1 SITE 1 ACCESS PLAN
SCALE 1" = 200'

TREES TO BE REMOVED

NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-1	DECIDUOUS	12"	1383741.90	2263888.85	14+97	1
T-2	DECIDUOUS (P)	18"	1383740.73	2263933.89	15+58	1
T-3	DECIDUOUS (P)	25"	1383703.50	2263957.75	15+61	1
T-4	DECIDUOUS	10"	1383723.55	2263948.98	15+63	1
T-5	DECIDUOUS (P)	24"	1383744.57	2263939.35	15+65	1
T-6	DECIDUOUS	15"	1383732.64	2263948.60	15+67	1
T-7	DECIDUOUS (P)	12"	1383706.22	2263963.68	15+67	1
T-8	DECIDUOUS	10"	1383729.81	2263956.36	15+72	1
T-9	DECIDUOUS	15"	1383729.81	2263956.36	15+72	1
T-10	DECIDUOUS (P)	13"	1383716.89	2263964.07	15+73	1
T-11	DECIDUOUS (P)	8"	1383745.25	2263952.73	15+77	1
T-12	DECIDUOUS (P)	24"	1383745.25	2263952.73	15+77	1
T-13	DECIDUOUS (P)	10"	1383787.49	2263930.69	15+78	1
T-14	DECIDUOUS (P)	10"	1383788.31	2263951.69	15+96	1
T-15	DECIDUOUS (P)	10"	1383753.76	2263977.76	16+03	2
T-16	DECIDUOUS (P)	12"	1383753.76	2263977.76	16+03	1
T-17	DECIDUOUS (P)	10"	1383787.53	2263964.73	16+08	1
T-18	DECIDUOUS (P)	11"	1383741.04	2263998.58	16+15	1
T-19	DECIDUOUS (P)	17"	1383741.30	2264005.00	16+20	1
T-20	DECIDUOUS (P)	8"	1383733.39	2264011.22	16+22	1
T-21	DECIDUOUS (P)	10"	1383733.39	2264011.22	16+22	1
T-22	DECIDUOUS	9"	1383762.25	2264000.04	16+26	1
T-23	DECIDUOUS	13"	1383762.25	2264000.04	16+26	1
T-24	DECIDUOUS	14"	1383750.50	2264008.46	16+28	1
T-25	DECIDUOUS (P)	20"	1383787.12	2263993.85	16+33	1
T-26	DECIDUOUS (P)	16"	1383748.62	2264017.61	16+35	1
T-27	DECIDUOUS	13"	1383764.13	2264010.81	16+37	1
T-28	DECIDUOUS (P)	17"	1383742.22	2264025.67	16+39	1

TREES TO BE REMOVED (CONTINUED)

NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-29	DECIDUOUS (P)	11"	1383811.04	2264013.36	16+61	1
T-30	DECIDUOUS (P)	13"	1383757.83	2264045.22	16+64	1
T-31	DECIDUOUS (P)	24"	1383800.60	2264040.82	16+80	1
T-32	DECIDUOUS	17"	1383784.51	2264060.30	16+90	1
T-33	DECIDUOUS (P)	15"	1383768.31	2264074.27	16+94	1
T-34	DECIDUOUS (P)	17"	1383768.31	2264074.27	16+94	2
T-35	DECIDUOUS (P)	17"	1383819.97	2264055.49	17+03	1
T-36	DECIDUOUS (P)	16"	1383811.44	2264066.51	17+08	1
T-37	DECIDUOUS (P)	20"	1383811.44	2264066.51	17+08	2
T-38	DECIDUOUS	10"	1383787.88	2264080.93	17+09	1
T-39	DECIDUOUS (P)	10"	1383782.86	2264086.03	17+12	1
T-40	DECIDUOUS (P)	18"	1383792.91	2264106.82	17+35	1
T-41	DECIDUOUS	10"	1383811.86	2264102.10	17+40	1
T-42	DECIDUOUS (P)	17"	1383840.43	2264097.35	17+49	1
T-43	DECIDUOUS	12"	1383815.02	2264115.23	17+53	1
T-44	DECIDUOUS (P)	12"	1383806.09	2264124.26	17+56	1
T-45	DECIDUOUS (P)	10"	1383809.49	2264150.09	17+80	1
T-46	DECIDUOUS (P)	14"	1383809.49	2264150.09	17+80	2
T-47	DECIDUOUS (P)	16"	1383809.49	2264150.09	17+80	1
T-48	DECIDUOUS (P)	17"	1383809.49	2264150.09	17+80	1
T-49	DECIDUOUS	11"	1383828.49	2264140.02	17+81	1
T-50	DECIDUOUS (P)	22"	1383841.50	2264134.74	17+82	1

(P) TREES TO BE PROVISIONALLY REMOVED. SEE NOTE 2 THIS SHEET.

LEGEND

⊗ TREE IN PERMANENT EASEMENT TO BE REMOVED

⊗ TREE IN CONSTRUCTION EASEMENT (SEE NOTE 2 THIS SHEET)

— PROPOSED SANITARY SEWER TRUNK PIPE

⊙ PROPOSED SANITARY SEWER MANHOLE

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

William T. Roberts
Level II Certified Design Professional

CERTIFICATION NUMBER 0000070272
ISSUED 01/31/2014 EXPIRES 01/31/2017

24 HOUR CONTACT
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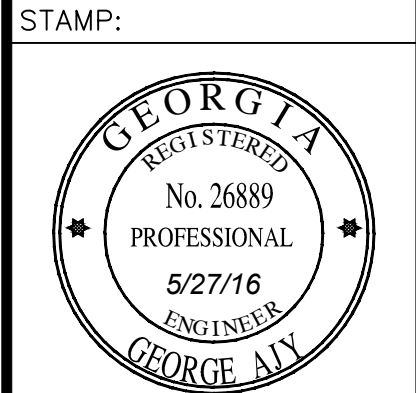


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UNIT C
ATLANTA, GA 30338
PHONE: (678) 336-5732
WWW.R2TINC.COM

CLIENT:
**DEKALB COUNTY
DEPARTMENT OF
WATERSHED
MANAGEMENT**
DEKALB COUNTY, GEORGIA

PROJECT:
**SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT**
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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REV	DATE	DESCRIPTION
0	5/27/16	INITIAL ISSUE
1	12/9/16	REVIEW COMMENTS

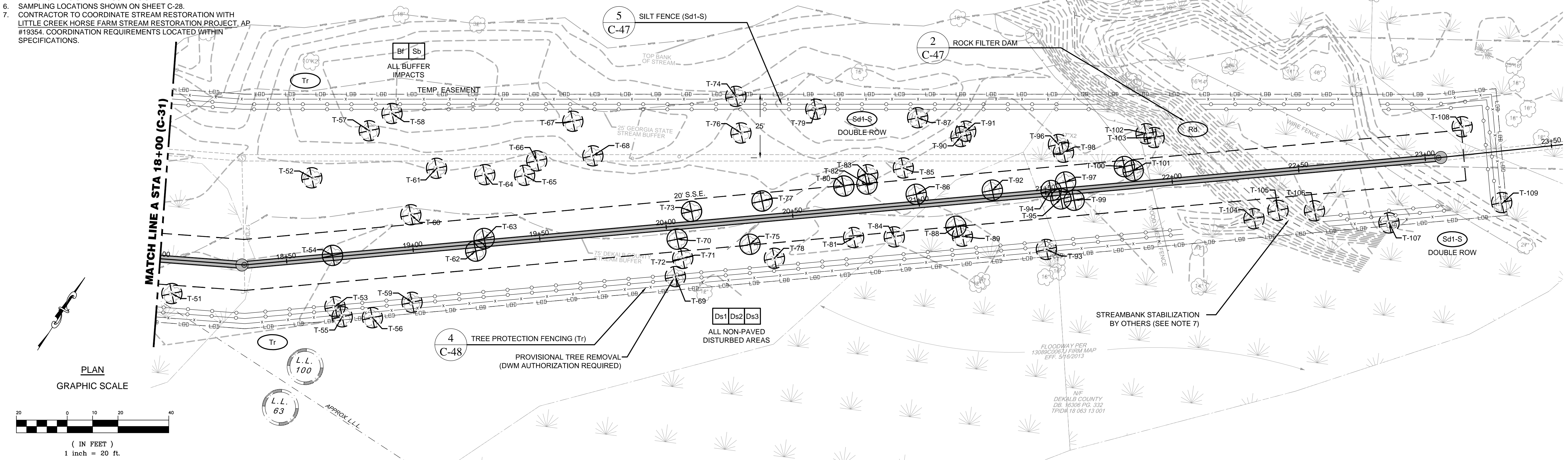


SHEET TITLE: 47 of 65
**ES&PC PLAN
SITE 1
STA 14+00 - 18+00**

ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 20'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

NOTES

1. ALL TREES WITHIN THE PERMANENT EASEMENT WILL BE REMOVED.
2. TREES WITHIN THE CONSTRUCTION EASEMENT MAY BE REMOVED WITH DCDWM REVIEW OF CONTRACTOR'S JUSTIFICATION STATEMENT AND SUBSEQUENT WRITTEN DCDWM APPROVAL.
3. PRIVATE TREES WHICH EXTEND INTO THE CONSTRUCTION EASEMENT SHALL BE PROTECTED WITH TREE PROTECTION FENCE WITHIN THE CONSTRUCTION EASEMENT AT ALL TIMES.
4. ALONG ALL STATE WATERS AND OTHER SENSITIVE AREAS, TWO ROWS OF SILT FENCE (SENSITIVE) SHALL BE USED AS SEDIMENT BARRIER.
5. ALONG NON SENSITIVE AREAS, BRUSH OBTAINED FROM CLEARING AND GRUBBING SHALL BE USED AS SEDIMENT BARRIER.
6. SAMPLING LOCATIONS SHOWN ON SHEET C-28.
7. CONTRACTOR TO COORDINATE STREAM RESTORATION WITH LITTLE CREEK HORSE FARM STREAM RESTORATION PROJECT, AP #19354. COORDINATION REQUIREMENTS LOCATED WITHIN SPECIFICATIONS.



TREES TO BE REMOVED						
NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-51	DECIDUOUS (P)	20"	1383831.27	2264166.87	18+06	1
T-52	DECIDUOUS (P)	22"	1383899.48	2264188.17	18+63	2
T-53	DECIDUOUS (P)	10"	1383861.99	2264223.48	18+67	1
T-54	DECIDUOUS	18"	1383878.34	2264211.67	18+68	1
T-55	DECIDUOUS (P)	14"	1383860.23	2264228.03	18+70	1
T-56	DECIDUOUS (P)	20"	1383866.40	2264238.21	18+82	1
T-57	DECIDUOUS (P)	15"	1383927.31	2264197.01	18+87	1
T-58	DECIDUOUS (P)	10"	1383937.91	2264200.83	18+97	1
T-59	DECIDUOUS (P)	14"	1383879.99	2264247.95	18+98	1
T-60	DECIDUOUS (P)	17"	1383908.59	2264228.76	19+00	1
T-61	DECIDUOUS (P)	12"	1383929.41	2264227.29	19+12	1
T-62	DECIDUOUS	14"	1383910.54	2264257.98	19+25	1
T-63	DECIDUOUS	17"	1383916.49	2264258.06	19+28	1
T-64	DECIDUOUS (P)	15"	1383937.70	2264244.56	19+31	1
T-65	DECIDUOUS (P)	15"	1383946.03	2264257.84	19+46	1
T-66	DECIDUOUS (P)	11"	1383953.41	2264258.72	19+52	1
T-67	DECIDUOUS (P)	10"	1383974.21	2264262.14	19+67	1
T-68	DECIDUOUS (P)	18"	1383967.14	2264276.18	19+74	1
T-69	DECIDUOUS (P)	17"	1383945.04	2264329.30	20+02	1
T-70	DECIDUOUS	17"	1383957.77	2264321.87	20+04	1
T-71	DECIDUOUS (P)	9"	1383952.63	2264327.81	20+05	1
T-72	DECIDUOUS (P)	10"	1383952.63	2264327.81	20+05	1
T-73	DECIDUOUS	15"	1383970.01	2264320.63	20+11	1
T-74	DECIDUOUS (P)	30"	1384017.44	2264310.55	20+32	1
T-75	DECIDUOUS	10"	1383971.69	2264346.97	20+32	1
T-76	DECIDUOUS (P)	10"	1384006.48	2264320.10	20+33	1
T-77	DECIDUOUS	12"	1383988.58	2264341.70	20+39	1
T-78	DECIDUOUS (P)	26"	1383972.37	2264358.03	20+41	1

TREES TO BE REMOVED (CONTINUED)						
NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-79	DECIDUOUS (P)	10"	1384030.37	2264339.71	20+63	1
T-80	DECIDUOUS	25"	1384011.09	2264365.42	20+71	1
T-81	DECIDUOUS (P)	8"	1383996.23	2264379.70	20+73	1
T-82	DECIDUOUS	12"	1384016.69	2264372.61	20+80	1
T-83	DECIDUOUS (P)	10"	1384019.96	2264370.90	20+81	1
T-84	DECIDUOUS (P)	13"	1384005.18	2264392.98	20+89	1
T-85	DECIDUOUS (P)	11"	1384029.84	2264381.18	20+95	1
T-86	DECIDUOUS	11"	1384023.89	2264391.08	20+99	1
T-87	DECIDUOUS (P)	15"	1384049.46	2264375.13	20+02	1
T-88	DECIDUOUS	11"	1384021.86	2264411.05	21+14	1
T-89	DECIDUOUS (P)	14"	1384020.03	2264415.31	21+16	1
T-90	DECIDUOUS (P)	10"	1384052.57	2264393.46	21+19	1
T-91	DECIDUOUS (P)	15"	1384055.34	2264393.85	21+21	1
T-92	DECIDUOUS	10"	1384041.61	2264415.28	21+29	1
T-93	DECIDUOUS (P)	10"	1384033.71	2264445.85	21+48	1
T-94	DECIDUOUS	11"	1384054.11	2264434.77	21+52	1
T-95	DECIDUOUS	14"	1384053.48	2264439.79	21+56	1
T-96	DECIDUOUS (P)	17"	1384070.91	2264427.31	21+57	2
T-97	DECIDUOUS	13"	1384060.06	2264437.71	21+58	1
T-98	DECIDUOUS (P)	22"	1384069.43	2264430.64	21+58	1
T-99	DECIDUOUS	19"	1384055.89	2264444.43	21+61	1
T-100	DECIDUOUS	12"	1384077.75	2264453.79	21+82	1
T-101	DECIDUOUS	13"	1384078.32	2264457.55	21+85	1
T-102	DECIDUOUS (P)	12"	1384093.26	2264453.90	21+91	1
T-103	DECIDUOUS (P)	13"	1384093.74	2264457.37	21+94	1
T-104	DECIDUOUS (P)	12"	1384088.47	2264507.74	22+31	1
T-105	DECIDUOUS (P)	10"	1384096.36	2264513.88	22+41	1
T-106	DECIDUOUS (P)	17"	1384104.05	2264525.99	22+55	1

TREES TO BE REMOVED (CONTINUED)						
NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-107	DECIDUOUS (P)	14"	1384116.08	2264553.15	22+84	1
T-108	DECIDUOUS (P)	14"	1384163.48	2264556.68	23+16	1
T-109	DECIDUOUS (P)	27"	1384146.59	2264586.26	23+28	1

SUMMARY OF TREES TO BE REMOVED (SITE 1)		
TREE TYPE	SIZE	COUNT
DECIDUOUS (P)	0 - 12"	32
DECIDUOUS	0 - 12"	16
DECIDUOUS (P)	13" - 24"	47
DECIDUOUS	13" - 24"	15
DECIDUOUS (P)	25" - 36"	4
DECIDUOUS	25" - 36"	1

(P) TREES TO BE PROVISIONALLY REMOVED. SEE NOTE 2 THIS SHEET.

LEGEND

TREE IN PERMANENT EASEMENT TO BE REMOVED

TREE IN CONSTRUCTION EASEMENT (SEE NOTE 2 THIS SHEET)

PROPOSED SANITARY SEWER TRUNK PIPE

PROPOSED SANITARY SEWER MANHOLE

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

William T. Roberts

Level II Certified Design Professional

CERTIFICATION NUMBER: 0000070272

ISSUED: 01/31/2014 EXPIRES: 01/31/2017

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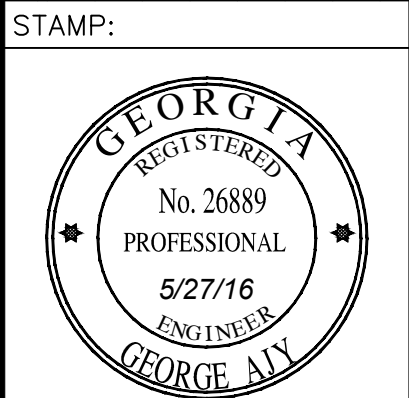


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DEKALB COUNTY, GEORGIA

PROJECT:
**SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT**
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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REV	DATE	DESCRIPTION
0	5/27/16	INITIAL ISSUE
1	12/9/16	REVIEW COMMENTS



SHEET TITLE: 48 of 65
**ES&PC PLAN
SITE 1
STA 18+00 - 23+25**

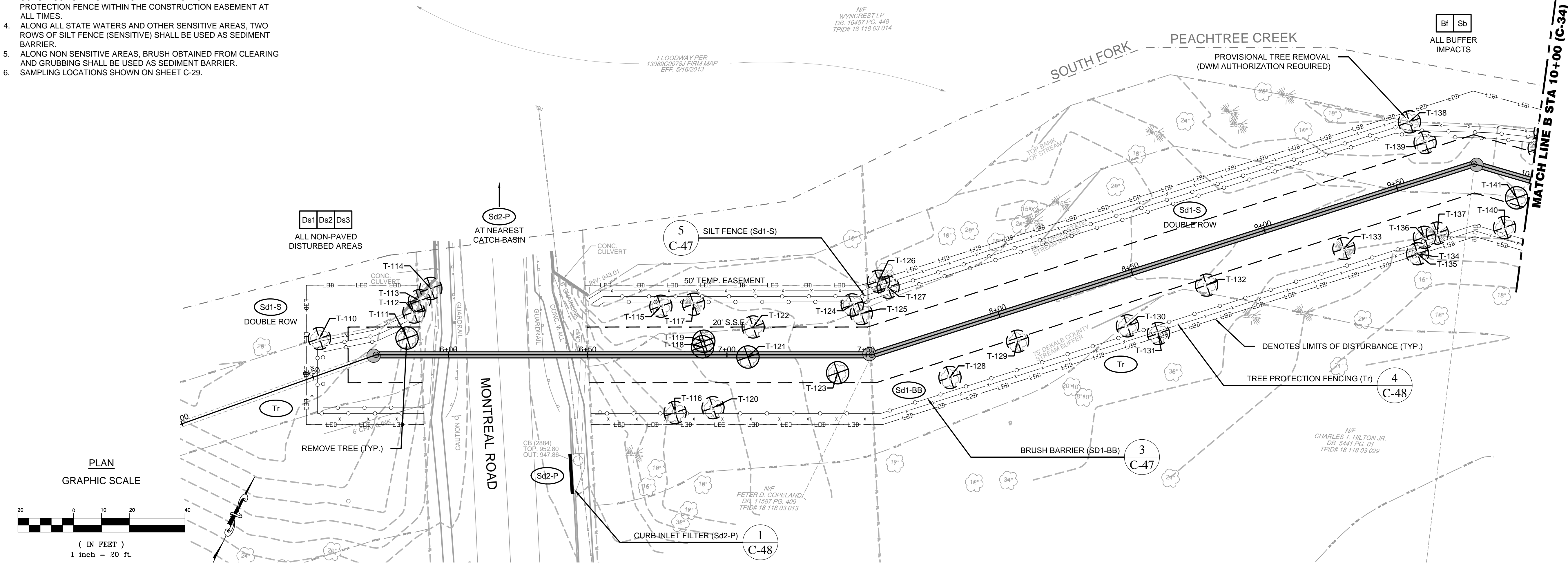
ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 20'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

C-32

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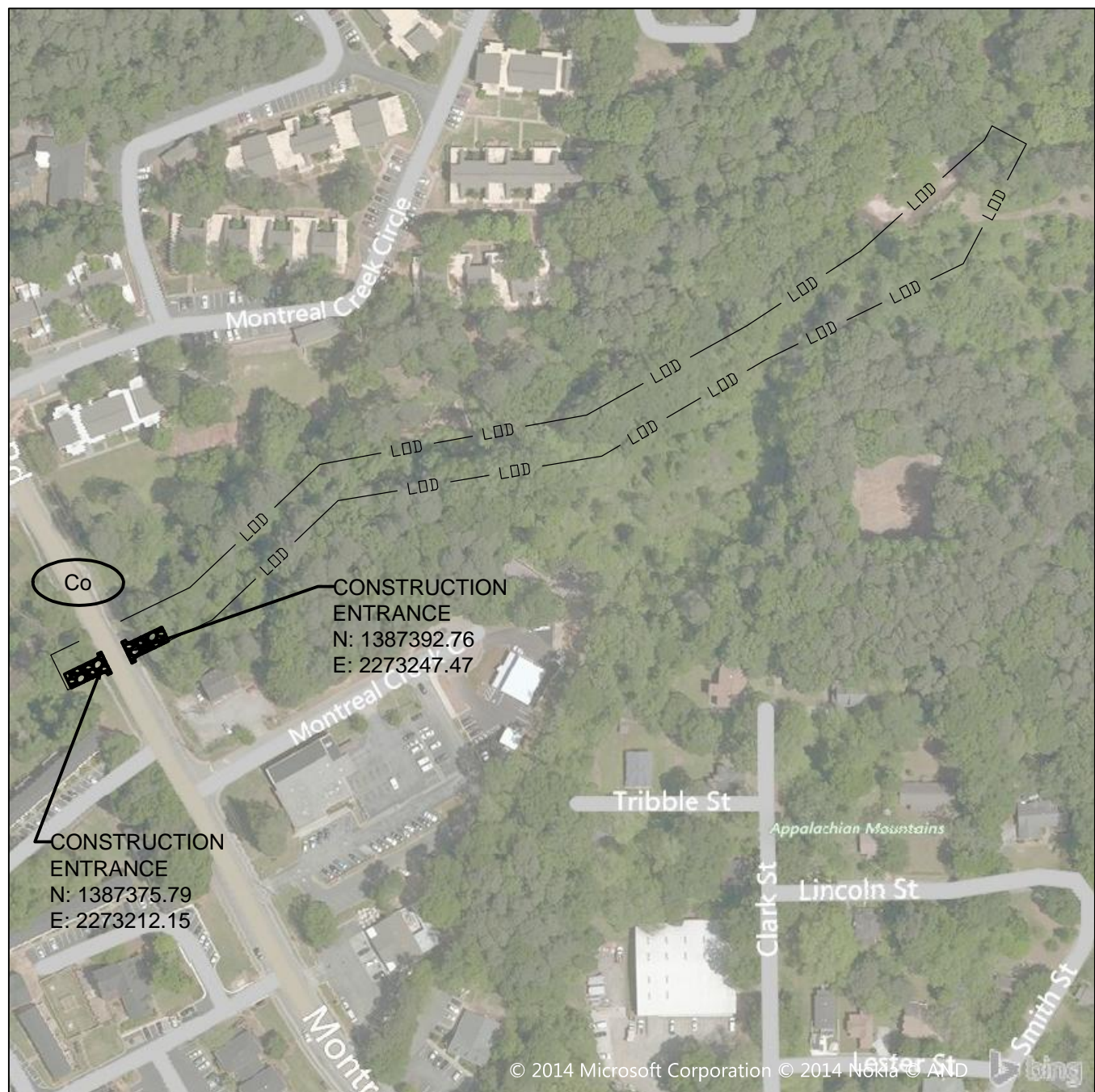
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- SAMPLING LOCATIONS SHOWN ON SHEET C-29.



NOTES

- RECOMMENDED POINTS OF ENTRY ALONG MONTREAL ROAD. CONTRACTOR TO OBTAIN RIGHT OF ENTRY OR TEMPORARY EASEMENT AS APPLICABLE FOR SITE ACCESS.



2

SITE 2 ACCESS PLAN
SCALE 1" = 200'

TREES TO BE REMOVED

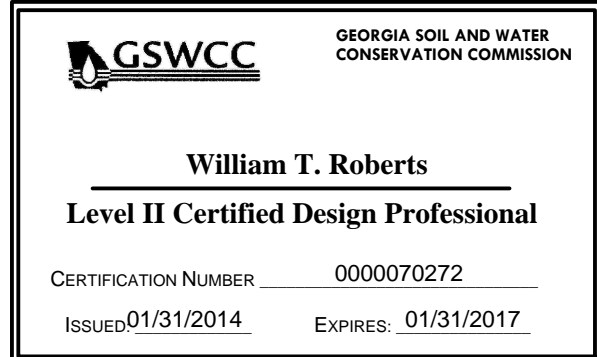
NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-110	DECIDUOUS (P)	18"	1387372.62	2273156.98	5+57	1
T-111	DECIDUOUS	13"	1387386.47	2273185.18	5+85	1
T-112	DECIDUOUS (P)	13"	1387395.95	2273183.36	5+88	1
T-113	DECIDUOUS (P)	16"	1387400.46	2273183.37	5+90	1
T-114	DECIDUOUS (P)	10"	1387406.22	2273185.14	5+94	1
T-115	DECIDUOUS (P)	24"	1387436.52	2273262.29	6+76	1
T-116	DECIDUOUS (P)	13"	1387404.40	2273283.51	6+81	1
T-117	CONIFEROUS (P)	18"	1387442.29	2273272.55	6+88	1
T-118	DECIDUOUS	20"	1387429.91	2273282.12	6+91	1
T-119	DECIDUOUS	20"	1387431.88	2273281.65	6+92	1
T-120	DECIDUOUS (P)	12"	1387411.89	2273295.02	6+95	1
T-121	DECIDUOUS	14"	1387433.71	2273298.38	7+08	1
T-122	DECIDUOUS (P)	13"	1387444.25	2273295.35	7+09	1
T-123	DECIDUOUS	15"	1387442.69	2273329.85	7+40	1
T-124	DECIDUOUS (P)	19"	1387466.90	2273323.92	7+45	1
T-125	DECIDUOUS (P)	18"	1387465.51	2273328.20	7+48	1
T-126	DECIDUOUS (P)	16"	1387478.66	2273328.72	7+62	1
T-127	DECIDUOUS (P)	15"	1387478.23	2273332.75	7+65	1
T-128	DECIDUOUS (P)	10"	1387458.79	2273366.86	7+76	1
T-129	DECIDUOUS (P)	10"	1387481.09	2273383.08	8+03	1
T-130	DECIDUOUS (P)	12"	1387503.23	2273416.17	8+43	1
T-131	DECIDUOUS (P)	10"	1387505.63	2273427.37	8+53	1
T-132	DECIDUOUS (P)	12"	1387528.79	2273435.38	8+74	1
T-133	CONIFEROUS (P)	25"	1387562.08	2273474.06	9+25	1
T-134	DECIDUOUS (P)	9"	1387571.97	2273498.69	9+50	1
T-135	DECIDUOUS (P)	10"	1387571.97	2273498.69	9+50	1

TREES TO BE REMOVED (CONTINUED)

NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-136	DECIDUOUS (P)	23"	1387578.35	2273498.31	9+54	1
T-137	CONIFEROUS (P)	22"	1387581.72	2273501.80	9+59	1
T-138	DECIDUOUS (P)	31"	1387613.28	2273475.42	9+61	1
T-139	DECIDUOUS (P)	22"	1387609.05	2273483.70	9+65	1
T-140	DECIDUOUS (P)	10"	1387594.07	2273522.69	9+96	1
T-141	DECIDUOUS	19"	1387605.51	2273521.91	9+97	1

(P) TREES TO BE PROVISIONALLY REMOVED. SEE NOTE 2 THIS SHEET.

LEGEND	
	TREE IN PERMANENT EASEMENT TO BE REMOVED
	TREE IN CONSTRUCTION EASEMENT (SEE NOTE 2 THIS SHEET)
	PROPOSED SANITARY SEWER TRUNK PIPE
	PROPOSED SANITARY SEWER MANHOLE



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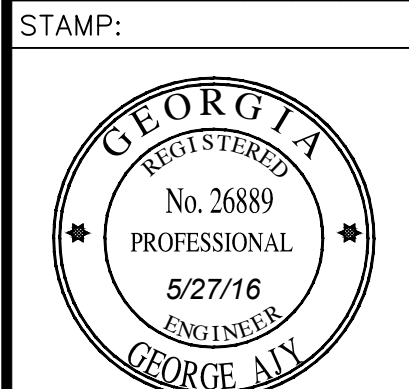


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REV	DATE	DESCRIPTION
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1	12/9/16	REVIEW COMMENTS



SHEET TITLE: 49 of 65
ES&PC PLAN
SITE 2
STA 5+00 - 10+00

ISSUED: 5.27.16

PROJECT NO.

SCALE: 1" = 20'

CHKD BY: A.R.

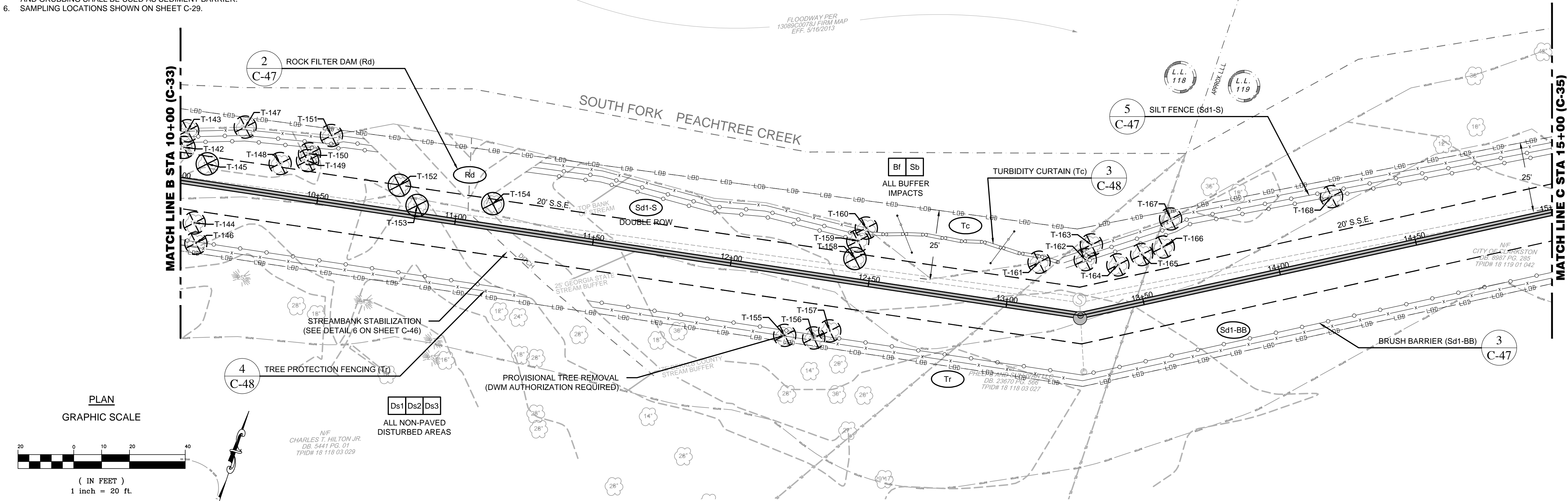
DESIGNED BY: J.J.

DRAWN BY: J.J.

C-33

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6. SAMPLING LOCATIONS SHOWN ON SHEET C-29.



TREES TO BE REMOVED						
NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-142	CONIFEROUS (P)	26"	1387625.05	2273521.48	10+00	1
T-143	DECIDUOUS (P)	20"	1387631.14	2273520.88	10+00	1
T-144	DECIDUOUS (P)	10"	1387600.47	2273533.41	10+08	1
T-145	DECIDUOUS	10"	1387622.02	2273531.25	10+09	1
T-146	DECIDUOUS (P)	11"	1387593.74	2273536.23	10+09	1
T-147	DECIDUOUS (P)	22"	1387638.80	2273540.08	10+21	1
T-148	DECIDUOUS (P)	20"	1387630.30	2273556.06	10+35	1
T-149	DECIDUOUS (P)	14"	1387634.34	2273566.06	10+44	1
T-150	DECIDUOUS (P)	12"	1387636.88	2273564.99	10+45	1
T-151	DECIDUOUS (P)	11"	1387645.56	2273570.42	10+52	1
T-152	DECIDUOUS	11"	1387636.17	2273599.11	10+78	1
T-153	DECIDUOUS	10"	1387631.28	2273607.42	10+86	1
T-154	DECIDUOUS	16"	1387640.37	2273633.01	11+12	1
T-155	DECIDUOUS (P)	28"	1387628.16	2273747.24	12+23	1
T-156	DECIDUOUS (P)	20"	1387630.51	2273757.42	12+33	1
T-157	DECIDUOUS (P)	11"	1387634.72	2273762.09	12+39	1
T-158	DECIDUOUS	13"	1387662.17	2273762.58	12+44	1
T-159	DECIDUOUS (P)	18"	1387668.44	2273761.62	12+44	1
T-160	DECIDUOUS (P)	18"	1387673.83	2273763.07	12+46	1
T-161	DECIDUOUS (P)	18"	1387681.50	2273825.77	13+09	1
T-162	DECIDUOUS (P)	10"	1387687.53	2273841.24	13+32	1
T-163	DECIDUOUS (P)	17"	1387693.27	2273841.68	13+35	1
T-164	DECIDUOUS (P)	20"	1387689.39	2273852.93	13+43	1
T-165	DECIDUOUS (P)	20"	1387695.58	2273859.90	13+52	1
T-166	DECIDUOUS (P)	10"	1387700.57	2273866.42	13+60	1
T-167	DECIDUOUS (P)	37"	1387710.95	2273865.79	13+65	1
T-168	DECIDUOUS (P)	42"	1387736.52	2273918.15	14+23	1

(P) TREES TO BE PROVISIONALLY REMOVED. SEE NOTE 2 THIS SHEET.

LEGEND

TREE IN PERMANENT EASEMENT TO BE REMOVED

TREE IN CONSTRUCTION EASEMENT (SEE NOTE 2 THIS SHEET)

PROPOSED SANITARY SEWER TRUNK PIPE

PROPOSED SANITARY SEWER MANHOLE

GEORGIA SOIL AND WATER
CONSERVATION COMMISSION

William T. Roberts

Level II Certified Design Professional

CERTIFICATION NUMBER 0000070272

ISSUED 01/31/2014 EXPIRES 01/31/2017

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DEKALB COUNTY, GEORGIA

PROJECT:
SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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REV	DATE	DESCRIPTION
0	5/27/16	INITIAL ISSUE
1	12/9/16	REVIEW COMMENTS

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SHEET TITLE: 50 of 65

ES&PC PLAN
SITE 2
STA 10+00 - 15+00

ISSUED: 5.27.16

PROJECT NO.

SCALE: 1" = 20'

CHKD BY: A.R.

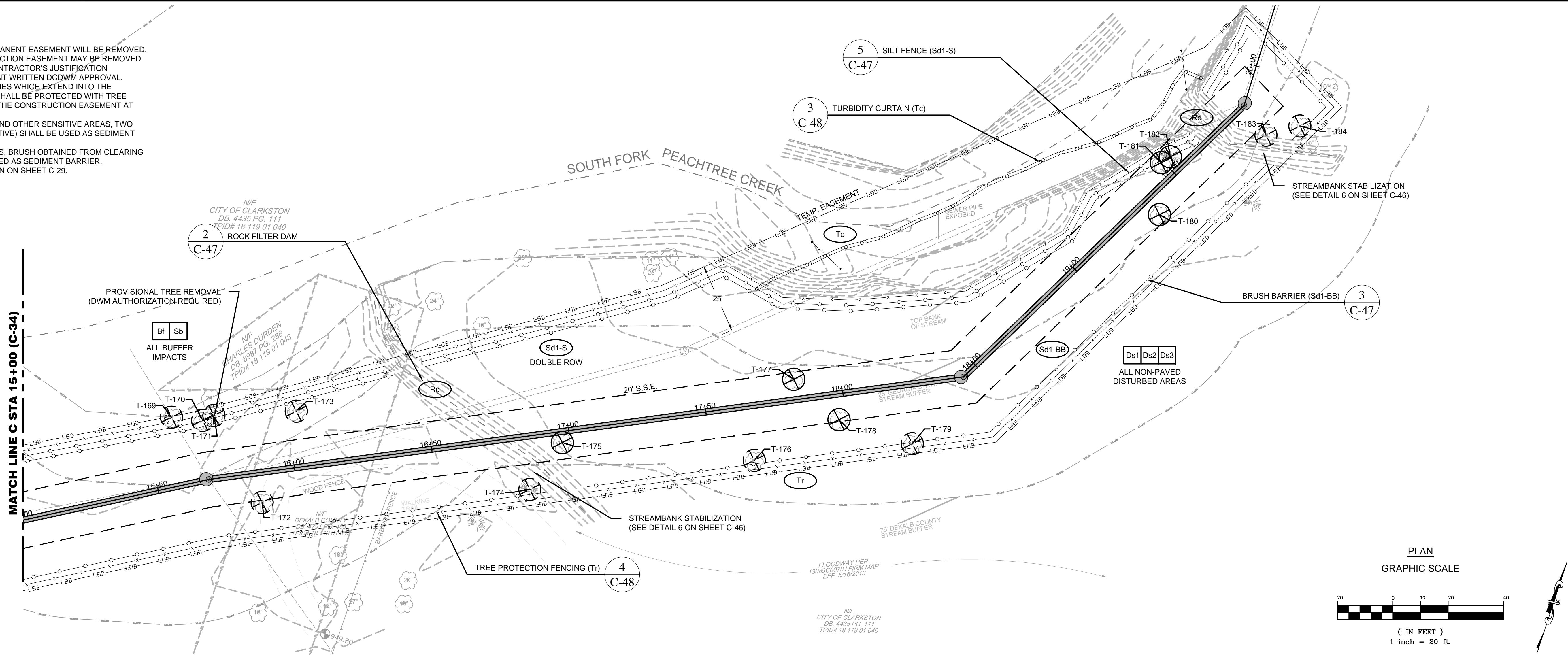
DESIGNED BY: J.J.

DRAWN BY: J.J.

C-34

NOTES

- ALL TREES WITHIN THE PERMANENT EASEMENT WILL BE REMOVED.
- TREES WITHIN THE CONSTRUCTION EASEMENT MAY BE REMOVED WITH DCDWM REVIEW OF CONTRACTOR'S JUSTIFICATION STATEMENT AND SUBSEQUENT WRITTEN DCDWM APPROVAL.
- PRIVATE TREES WITH DRIPLINES WHICH EXTEND INTO THE CONSTRUCTION EASEMENT SHALL BE PROTECTED WITH TREE PROTECTION FENCE WITHIN THE CONSTRUCTION EASEMENT AT ALL TIMES.
- ALONG ALL STATE WATERS AND OTHER SENSITIVE AREAS, TWO ROWS OF SILT FENCE (SENSITIVE) SHALL BE USED AS SEDIMENT BARRIER.
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- SAMPLING LOCATIONS SHOWN ON SHEET C-29.



TREES TO BE REMOVED						
NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-169	DECIDUOUS (P)	14"	1387807.86	2274034.44	15+59	1
T-170	DECIDUOUS (P)	15"	1387810.28	2274045.47	15+69	1
T-171	DECIDUOUS (P)	15"	1387813.23	2274048.81	15+74	1
T-172	DECIDUOUS (P)	10"	1387788.78	2274075.15	15+87	1
T-173	DECIDUOUS (P)	11"	1387823.97	2274076.61	16+03	2
T-174	CONIFEROUS (P)	27"	1387823.41	2274165.65	16+83	1
T-175	DECIDUOUS	13"	1387843.15	2274171.51	16+97	1
T-176	DECIDUOUS (P)	30"	1387858.68	2274239.45	17+65	1
T-177	DECIDUOUS	32"	1387890.94	2274243.87	17+83	1
T-178	DECIDUOUS	28"	1387882.16	2274263.96	17+97	1
T-179	DECIDUOUS (P)	25"	1387882.19	2274291.85	18+22	1
T-180	DECIDUOUS	10"	1387988.67	2274350.94	19+54	1
T-181	DECIDUOUS	16"	1388006.72	2274345.72	19+49	1
T-182	CONIFEROUS	20"	1388009.77	2274348.17	19+53	1
T-183	DECIDUOUS (P)	18"	1388028.00	2274378.57	19+83	1
T-184	DECIDUOUS (P)	17"	1388034.96	2274389.19	19+85	1

SUMMARY OF TREES TO BE REMOVED (SITE 2)		
TREE TYPE	SIZE	COUNT
DECIDUOUS (P)	0 - 12"	20
DECIDUOUS	0 - 12"	4
DECIDUOUS (P)	13" - 24"	28
DECIDUOUS	13" - 24"	10
CONIFEROUS (P)	13" - 24"	2
CONIFEROUS	13" - 24"	1
DECIDUOUS (P)	25" - 36"	4
DECIDUOUS	25" - 36"	2
CONIFEROUS	25" - 36"	3
DECIDUOUS (P)	37" - 48"	2

(P) TREES TO BE PROVISIONALLY REMOVED. SEE NOTE 2 THIS SHEET.

LEGEND		
	TREE IN PERMANENT EASEMENT TO BE REMOVED	
	TREE IN CONSTRUCTION EASEMENT (SEE NOTE 2 THIS SHEET)	
	PROPOSED SANITARY SEWER TRUNK PIPE	
	PROPOSED SANITARY SEWER MANHOLE	

GEORGIA SOIL AND WATER
CONSERVATION COMMISSION

REGISTERED

William T. Roberts

Level II Certified Design Professional

CERTIFICATION NUMBER 0000070272

ISSUED 01/31/2014 EXPIRES 01/31/2017

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SHEET TITLE: 51 of 65

ES&PC PLAN
SITE 2
STA 15+00 - 20+00

ISSUED: 5.27.16

PROJECT NO.

SCALE: 1" = 20'

CHKD BY: A.R.

DESIGNED BY: J.J.

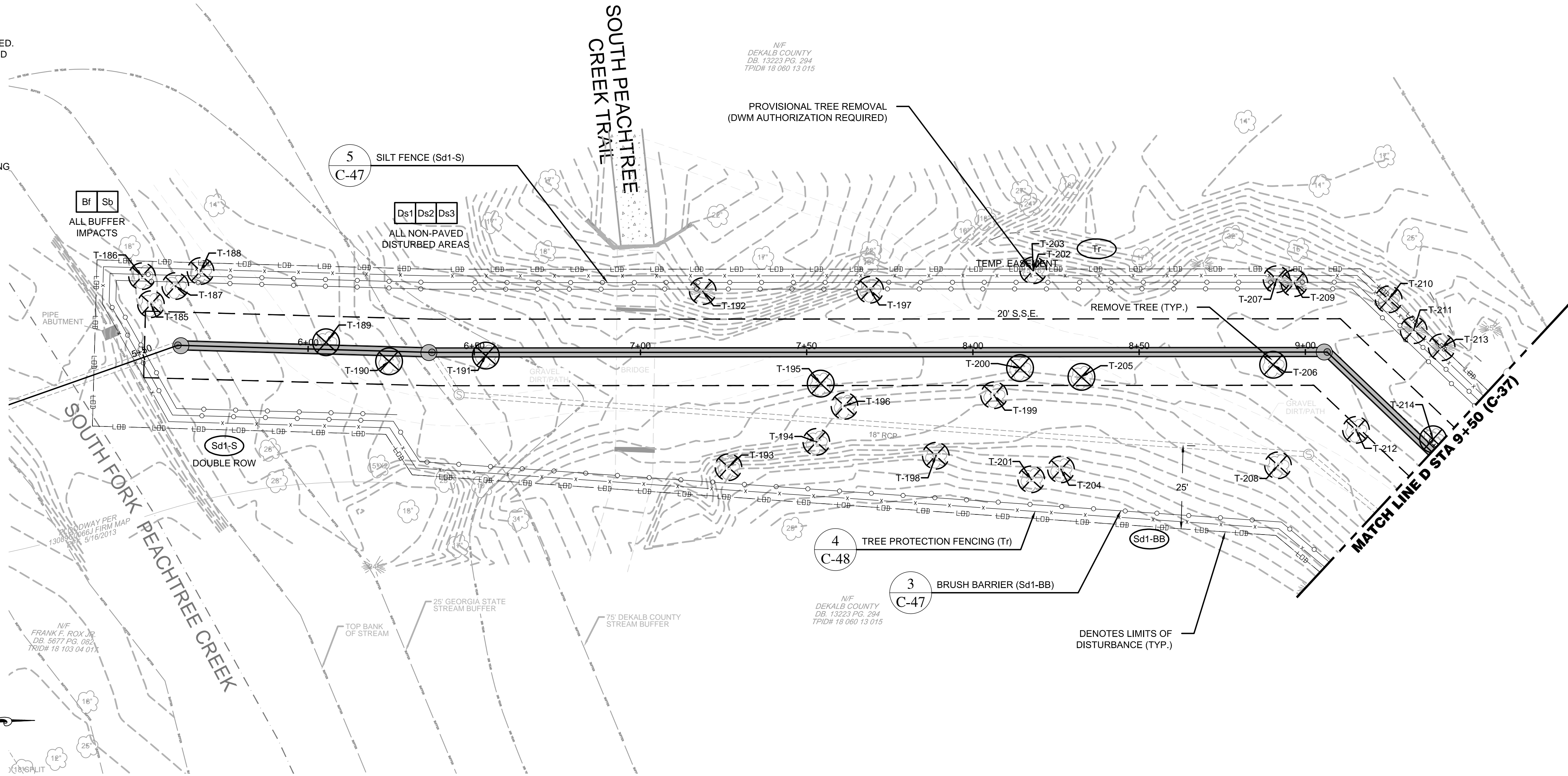
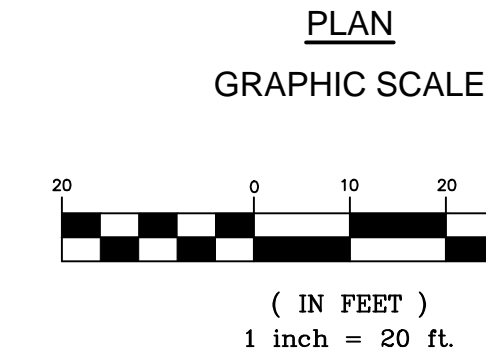
DRAWN BY: J.J.

C-35

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NOTES

- ALL TREES WITHIN THE PERMANENT EASEMENT WILL BE REMOVED.
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- SAMPLING LOCATIONS SHOWN ON SHEET C-30.



NOTES

- RECOMMENDED POINT OF ENTRY AT EXISTING ACCESS ROAD ALONG WILLIVEE PLACE. CONTRACTOR TO OBTAIN RIGHT OF ENTRY OR TEMPORARY EASEMENT AS APPLICABLE FOR SITE ACCESS.



3
SITE 3 ACCESS PLAN
SCALE 1" = 200'

TREES TO BE REMOVED

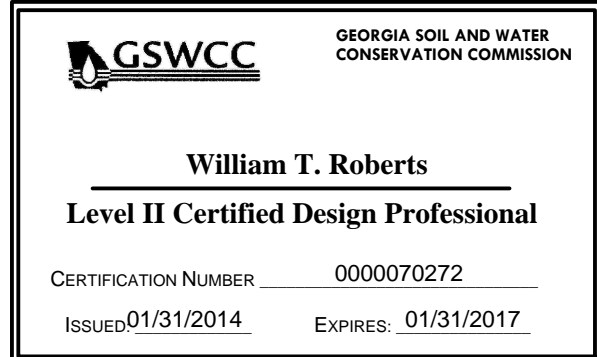
NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-185	DECIDUOUS (P)	16"	1384595.53	2255565.30	5+57	1
T-186	DECIDUOUS (P)	12"	1384593.23	2255556.78	5+58	1
T-187	DECIDUOUS (P)	27"	1384603.11	2255560.20	5+59	1
T-188	DECIDUOUS (P)	15"	1384610.89	2255556.04	5+67	1
T-189	DECIDUOUS	42"	1384647.59	2255579.18	6+05	1
T-190	DECIDUOUS	17"	1384666.29	2255585.75	6+24	1
T-191	DECIDUOUS	22"	1384695.43	2255585.37	6+53	1
T-192	CONIFEROUS (P)	24"	1384761.50	2255568.99	7+19	1
T-193	DECIDUOUS (P)	18"	1384766.81	2255622.21	7+26	1
T-194	DECIDUOUS (P)	12"	1384793.57	2255615.82	7+53	1
T-195	DECIDUOUS	20"	1384795.69	2255598.38	7+54	1
T-196	DECIDUOUS (P)	14"	1384802.53	2255605.39	7+61	1
T-197	DECIDUOUS (P)	29"	1384811.82	2255570.88	7+69	1
T-198	DECIDUOUS (P)	31"	1384829.27	2255621.61	7+89	1
T-199	DECIDUOUS (P)	17"	1384847.63	2255604.23	8+06	1
T-200	DECIDUOUS	24"	1384855.78	2255596.47	8+14	1
T-201	DECIDUOUS (P)	22"	1384857.63	2255630.02	8+18	1
T-202	DECIDUOUS (P)	15"	1384861.11	2255567.27	8+18	1
T-203	DECIDUOUS (P)	16"	1384861.11	2255567.27	8+18	1
T-204	DECIDUOUS (P)	30"	1384866.72	2255627.45	8+27	1
T-205	DECIDUOUS	20"	1384874.10	2255599.95	8+33	1
T-206	DECIDUOUS	26"	1384931.89	2255598.97	8+90	1
T-207	DECIDUOUS (P)	17"	1384934.08	2255573.30	8+91	1
T-208	CONIFEROUS (P)	17"	1384931.96	2255629.20	8+92	1

TREES TO BE REMOVED (CONTINUED)

NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-209	CONIFEROUS (P)	19"	1384939.40	2255574.73	8+97	1
T-210	DECIDUOUS (P)	24"	1384967.52	2255580.88	9+09	1
T-211	CONIFEROUS (P)	15"	1384974.60	2255590.49	9+21	1
T-212	DECIDUOUS (P)	26"	1384955.90	2255619.64	9+29	1
T-213	CONIFEROUS (P)	26"	1384982.79	2255596.02	9+31	1
T-214	DECIDUOUS	16"	1384978.92	2255623.53	9+48	1

(P) TREES TO BE PROVISIONALLY REMOVED. SEE NOTE 2 THIS SHEET.

LEGEND	
	TREE IN PERMANENT EASEMENT TO BE REMOVED
	TREE IN CONSTRUCTION EASEMENT (SEE NOTE 2 THIS SHEET)
	PROPOSED SANITARY SEWER TRUNK PIPE
	PROPOSED SANITARY SEWER MANHOLE



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DEPARTMENT OF
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PROJECT:
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SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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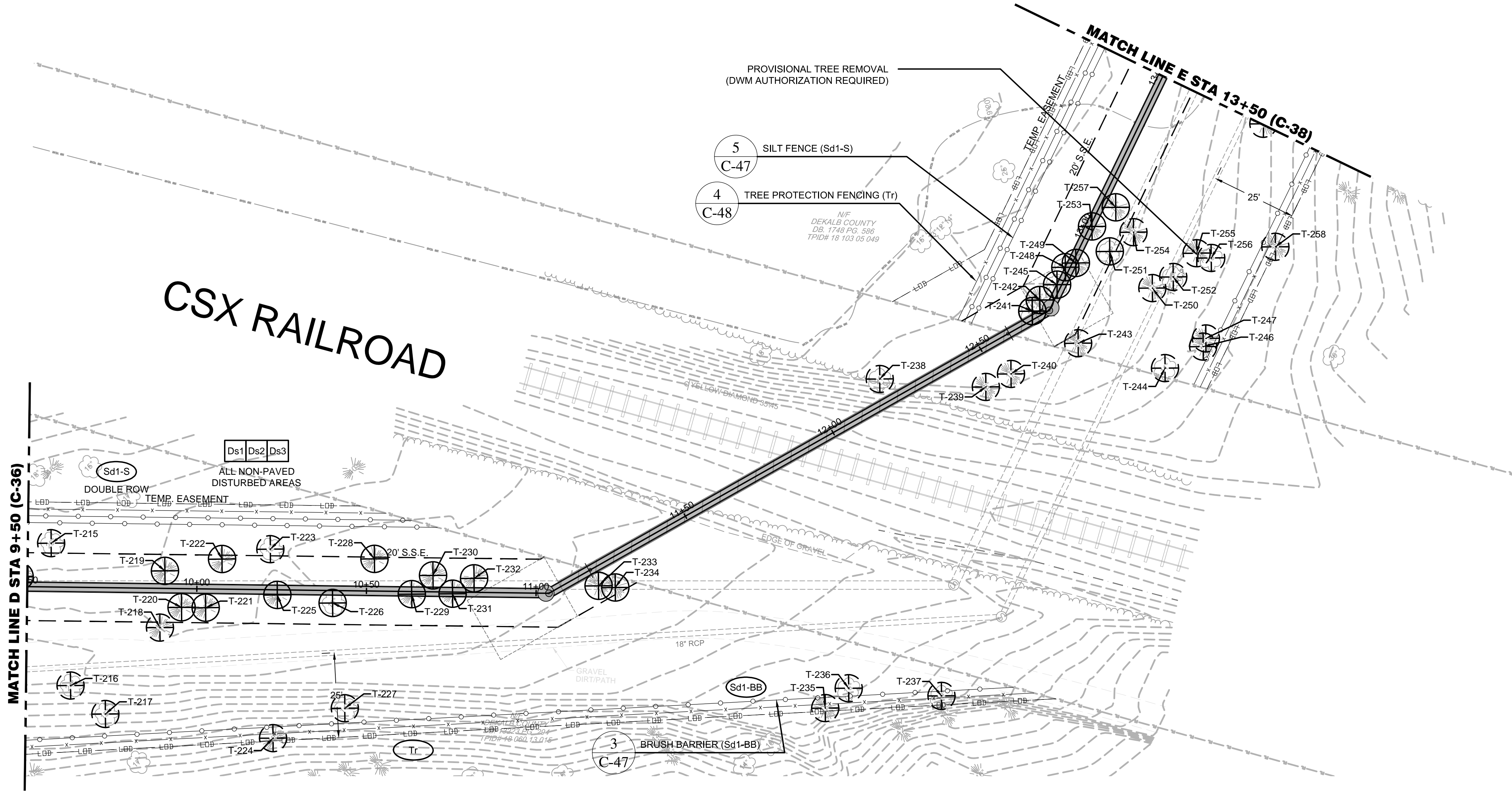
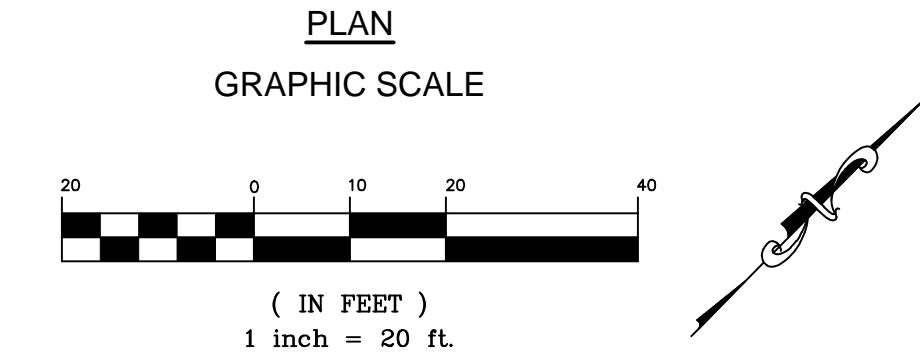
SHEET TITLE: 52 of 65
ES&PC PLAN
SITE 3
STA 5+00 - 9+50

ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 20'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

C-36

NOTES

1. ALL TREES WITHIN THE PERMANENT EASEMENT WILL BE REMOVED.
2. TREES WITHIN THE CONSTRUCTION EASEMENT MAY BE REMOVED WITH DCDWM REVIEW OF CONTRACTOR'S JUSTIFICATION STATEMENT AND SUBSEQUENT WRITTEN DCDWM APPROVAL.
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5. ALONG NON SENSITIVE AREAS, BRUSH OBTAINED FROM CLEARING AND GRUBBING SHALL BE USED AS SEDIMENT BARRIER.
6. SAMPLING LOCATIONS SHOWN ON SHEET C-30.



TREES TO BE REMOVED						
NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-215	DECIDUOUS (P)	20"	1384992.41	2255623.29	9+57	1
T-216	DECIDUOUS (P)	24"	1384966.47	2255656.77	9+63	1
T-217	DECIDUOUS (P)	15"	1384967.68	2255669.98	9+74	1
T-218	CONIFEROUS (P)	17"	1384997.12	2255663.60	9+89	1
T-219	CONIFEROUS	15"	1385010.09	2255652.93	9+91	1
T-220	CONIFEROUS	17"	1385005.83	2255663.96	9+96	1
T-221	CONIFEROUS	15"	1385010.73	2255669.10	10+03	1
T-222	CONIFEROUS	13"	1385024.35	2255662.51	10+07	1
T-223	DECIDUOUS (P)	16"	1385036.42	2255670.63	10+22	1
T-224	CONIFEROUS (P)	10"	1384997.22	2255710.22	10+23	1
T-225	CONIFEROUS	27"	1385028.22	2255681.56	10+24	1
T-226	DECIDUOUS	15"	1385037.95	2255694.83	10+40	1
T-227	DECIDUOUS (P)	14"	1385018.34	2255719.15	10+44	1
T-228	CONIFEROUS	20"	1385055.87	2255694.52	10+52	1
T-229	CONIFEROUS	13"	1385056.15	2255709.66	10+63	1
T-230	CONIFEROUS	17"	1385064.48	2255710.27	10+70	1
T-231	CONIFEROUS	12"	1385064.68	2255718.16	10+75	1
T-232	CONIFEROUS	24"	1385072.35	2255719.51	10+82	1
T-233	CONIFEROUS	14"	1385096.47	2255747.24	11+18	1
T-234	CONIFEROUS	11"	1385099.59	2255751.09	11+22	1
T-235	CONIFEROUS (P)	15"	1385117.59	2255820.18	11+58	1
T-236	DECIDUOUS (P)	16"	1385126.61	2255821.01	11+67	1
T-237	DECIDUOUS (P)	10"	1385144.17	2255842.11	11+90	1
T-238	DECIDUOUS (P)	21"	1385198.08	2255763.67	12+20	1
T-239	CONIFEROUS (P)	13"	1385218.32	2255787.62	12+46	1
T-240	CONIFEROUS (P)	10"	1385226.26	2255790.23	12+54	1
T-241	DECIDUOUS	17"	1385243.87	2255781.73	12+69	1

TREES TO BE REMOVED (CONTINUED)						
NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-242	CONIFEROUS	22"	1385247.75	2255781.02	12+72	1
T-243	CONIFEROUS (P)	25"	1385246.59	2255798.02	12+73	1
T-244	DECIDUOUS (P)	11"	1385259.29	2255821.43	12+73	1
T-245	DECIDUOUS	10"	1385254.54	2255781.49	12+81	1
T-246	CONIFEROUS (P)	15"	1385271.69	2255825.01	12+83	1
T-247	CONIFEROUS (P)	15"	1385273.98	2255823.89	12+86	1
T-248	DECIDUOUS	11"	1385259.90	2255779.63	12+87	1
T-249	CONIFEROUS	15"	1385262.99	2255780.96	12+89	1
T-250	CONIFEROUS (P)	13"	1385273.50	2255802.23	12+92	1
T-251	DECIDUOUS	10"	1385272.42	2255785.71	12+97	1
T-252	DECIDUOUS (P)	22"	1385280.17	2255804.32	12+98	1
T-253	CONIFEROUS	17"	1385274.00	2255776.81	13+01	1
T-254	CONIFEROUS (P)	13"	1385281.37	2255786.72	13+05	1
T-255	CONIFEROUS (P)	16"	1385290.00	2255804.35	13+07	1
T-256	DECIDUOUS (P)	10"	1385292.01	2255808.40	13+08	1
T-257	CONIFEROUS	14"	1385282.93	2255777.85	13+09	1
T-258	CONIFEROUS (P)	13"	1385307.60	2255819.59	13+19	1

(P) TREES TO BE PROVISIONALLY REMOVED. SEE NOTE 2 THIS SHEET.

LEGEND

- TREE IN PERMANENT EASEMENT TO BE REMOVED
- TREE IN CONSTRUCTION EASEMENT (SEE NOTE 2 THIS SHEET)
- PROPOSED SANITARY SEWER TRUNK PIPE
- PROPOSED SANITARY SEWER MANHOLE

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

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LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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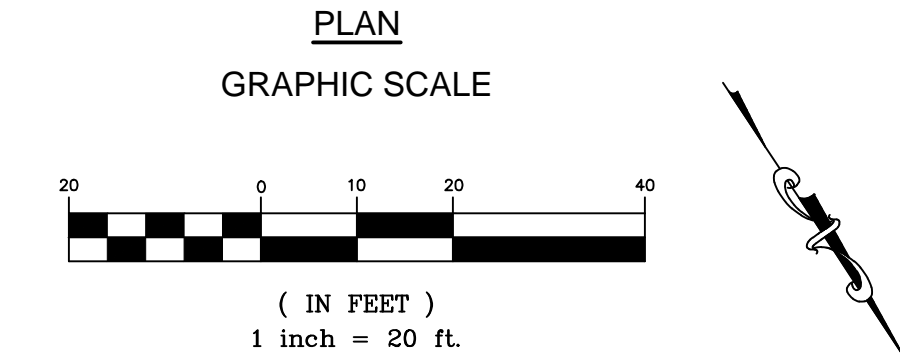
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REGISTERED
No. 26889
PROFESSIONAL
5/27/16
ENGINEER
GEORGE JAY

SHEET TITLE: 53 of 65
**ES&PC PLAN
SITE 3
STA 9+50 - 13+50**

ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 20'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

C-37





1. ALL TREES WITHIN THE PERMANENT EASEMENT WILL BE REMOVED
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6. SAMPLING LOCATIONS SHOWN ON SHEET C-30.




T-260	DECIDUOUS	21"	1385333.86	2255752.25	13+66	1
T-261	CONIFEROUS (P)	17"	1385352.94	2255786.11	13+73	1
T-262	CONIFEROUS (P)	13"	1385357.25	2255787.01	13+77	1
T-263	DECIDUOUS (P)	16"	1385368.47	2255776.64	13+91	1
T-264	DECIDUOUS (P)	12"	1385355.09	2255726.63	13+94	1
T-265	CONIFEROUS (P)	18"	1385357.35	2255730.18	13+95	1
T-266	DECIDUOUS (P)	25"	1385378.44	2255761.99	14+05	1
T-267	CONIFEROUS (P)	16"	1385406.46	2255777.07	14+17	1
T-268	DECIDUOUS (P)	10"	1385411.44	2255772.17	14+17	1
T-269	DECIDUOUS	17"	1385389.03	2255724.00	14+33	1
T-270	DECIDUOUS (P)	17"	1385425.93	2255744.30	14+36	1
T-271	DECIDUOUS	28"	1385401.85	2255702.78	14+57	1
T-272	DECIDUOUS (P)	19"	1385443.06	2255715.56	14+70	1
T-273	CONIFEROUS	18"	1385409.87	2255681.83	14+79	1
T-274	DECIDUOUS (P)	18"	1385451.75	2255689.57	14+96	1
T-275	CONIFEROUS (P)	25"	1385433.54	2255632.40	15+34	1
T-276	DECIDUOUS (P)	10"	1385480.26	2255661.63	15+35	1
T-277	DECIDUOUS (P)	10"	1385469.43	2255644.18	15+44	1
T-278	DECIDUOUS (P)	18"	1385483.47	2255633.30	15+60	1
T-279	DECIDUOUS	22"	1385462.96	2255610.04	15+68	1
T-280	DECIDUOUS (P)	13"	1385463.32	2255599.89	15+77	1
T-281	CONIFEROUS (P)	17"	1385491.33	2255612.49	15+82	1
T-282	DECIDUOUS (P)	12"	1385496.51	2255608.45	15+88	1
T-283	DECIDUOUS (P)	15"	1385466.47	2255581.69	15+94	1
T-284	DECIDUOUS (P)	21"	1385463.92	2255576.57	15+97	1
T-285	CONIFEROUS (P)	21"	1385512.19	2256000.69	16+03	1

T-287	CONIFEROUS	16"	1385493.72	2255563.54	16+24	1
T-288	DECIDUOUS (P)	20"	1385515.83	2255573.62	16+28	1
T-289	DECIDUOUS (P)	27"	1385515.77	2255518.48	16+74	1
T-290	DECIDUOUS (P)	16"	1385510.81	2255508.09	16+80	1
T-291	DECIDUOUS (P)	11"	1385553.86	2255525.30	16+89	1
T-292	CONIFEROUS (P)	14"	1385565.60	2255530.86	16+91	1
T-293	DECIDUOUS (P)	28"	1385522.82	2255490.83	17+01	1
T-294	DECIDUOUS (P)	27"	1385523.84	2255483.44	17+08	1
T-295	DECIDUOUS	10"	1385545.32	2255478.22	17+24	1
T-296	DECIDUOUS (P)	20"	1385565.44	2255467.38	17+39	1
T-297	CONIFEROUS (P)	15"	1385577.98	2255458.61	17+51	1
T-298	DECIDUOUS	18"	1385599.87	2255487.58	17+73	1
T-299	DECIDUOUS (P)	27"	1385606.76	2255497.61	17+80	1
T-300	DECIDUOUS (P)	28"	1385638.84	2255491.86	18+12	1
T-301	DECIDUOUS (P)	14"	1385659.97	2255493.05	18+34	1

(P) TREES TO BE PROVISIONALLY REMOVED. SEE NOTE 2 THIS SHEET.

	TREE IN PERMANENT EASEMENT TO BE REMOVED
	TREE IN CONSTRUCTION EASEMENT (SEE NOTE 2 THIS SHEET)
	PROPOSED SANITARY SEWER TRUNK PIPE
	PROPOSED SANITARY SEWER MANHOLE

 **GSWCC**
GEORGIA SOIL AND WATER
CONSERVATION COMMISSION


William T. Roberts

Level II Certified Design Professional

CERTIFICATION NUMBER 0000070272

ISSUED 01/31/2014 EXPIRES: 01/31/2017

24 HOUR CONTACT
(770) 270-6243

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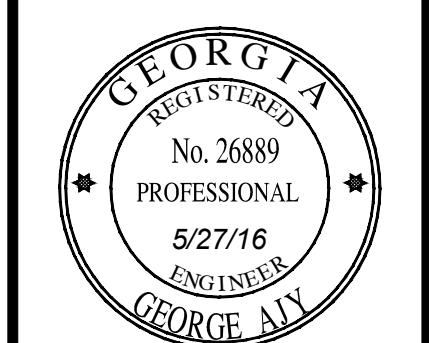
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DEKALB COUNTY
DEPARTMENT OF
WATERSHED
MANAGEMENT
DEKALB COUNTY, GEORGIA

PROJECT: SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 83, 100, 102, 103, 113, 118, & 119
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SHEET TITLE: 54 of 65

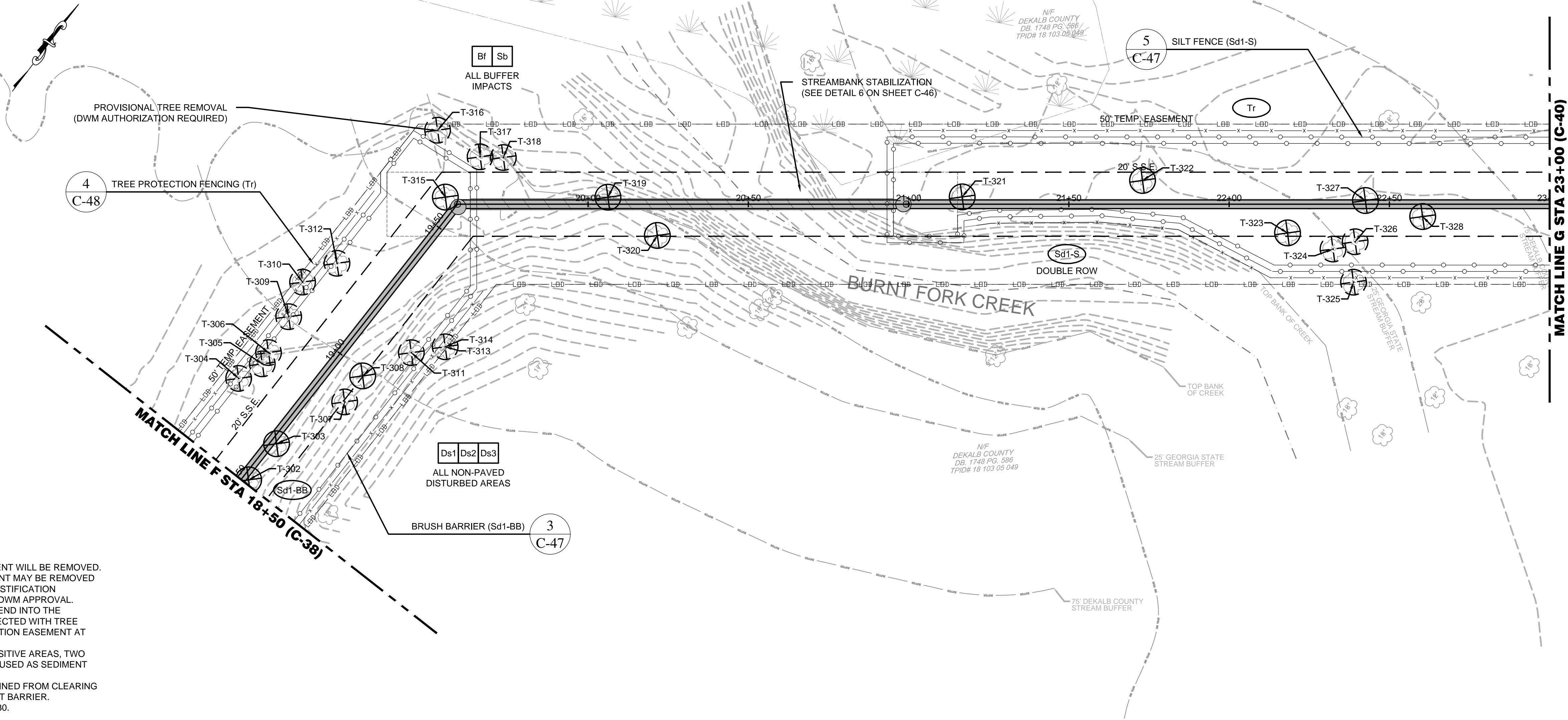
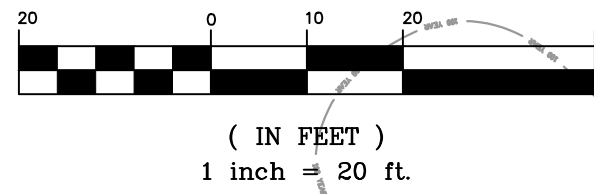
ES&PC PLAN
SITE 3
STA 13+50 - 18+50

ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 20'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

C-38

C:\Users\Jonathan Jones\AppData\Local\Temp\AspPublish_9712\Envision\Drawings\PRINTED BY: Jonathan Jones, ON Mon, Dec 05 2016 AT 10:41 AM

PLAN
GRAPHIC SCALE



NOTES

- ALL TREES WITHIN THE PERMANENT EASEMENT WILL BE REMOVED.
- TREES WITHIN THE CONSTRUCTION EASEMENT MAY BE REMOVED WITH DCDWM REVIEW OF CONTRACTOR'S JUSTIFICATION STATEMENT AND SUBSEQUENT WRITTEN DCDWM APPROVAL.
- PRIVATE TREES WITH DRIPLINES WHICH EXTEND INTO THE CONSTRUCTION EASEMENT SHALL BE PROTECTED WITH TREE PROTECTION FENCE WITHIN THE CONSTRUCTION EASEMENT AT ALL TIMES.
- ALONG ALL STATE WATERS AND OTHER SENSITIVE AREAS, TWO ROWS OF SILT FENCE (SENSITIVE) SHALL BE USED AS SEDIMENT BARRIER.
- ALONG NON SENSITIVE AREAS, BRUSH OBTAINED FROM CLEARING AND GRUBBING SHALL BE USED AS SEDIMENT BARRIER.
- SAMPLING LOCATIONS SHOWN ON SHEET C-30.

NOTES

- RECOMMENDED POINT OF ENTRY AT MASON MILL DOG PARK. CONTRACTOR TO OBTAIN RIGHT OF ENTRY OR TEMPORARY EASEMENT AS APPLICABLE FOR SITE ACCESS.



4 SITE 3 ACCESS PLAN
SCALE 1" = 200'

TREES TO BE REMOVED						
NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-302	DECIDUOUS	18"	1385678.01	2255481.31	18+51	1
T-303	DECIDUOUS	16"	1385692.26	2255481.46	18+66	1
T-304	DECIDUOUS (P)	20"	1385701.36	2255459.70	18+74	1
T-305	DECIDUOUS (P)	12"	1385709.44	2255462.84	18+82	1
T-306	DECIDUOUS (P)	21"	1385713.42	2255462.25	18+86	1
T-307	DECIDUOUS (P)	17"	1385715.52	2255490.49	18+89	1
T-308	DECIDUOUS	13"	1385725.36	2255490.03	18+99	1
T-309	DECIDUOUS (P)	24"	1385726.14	2255460.48	18+99	1
T-310	DECIDUOUS (P)	18"	1385737.34	2255457.41	19+10	1
T-311	DECIDUOUS (P)	13"	1385740.34	2255497.75	19+14	1
T-312	DECIDUOUS (P)	24"	1385748.51	2255462.42	19+22	1
T-313	DECIDUOUS (P)	15"	1385748.19	2255505.04	19+22	1
T-314	DECIDUOUS (P)	16"	1385748.19	2255505.04	19+22	1
T-315	DECIDUOUS	18"	1385785.38	2255476.84	19+59	1
T-316	DECIDUOUS (P)	18"	1385800.56	2255462.29	19+59	1
T-317	DECIDUOUS (P)	18"	1385801.97	2255477.87	19+66	1
T-318	DECIDUOUS (P)	18"	1385806.18	2255483.78	19+74	1
T-319	DECIDUOUS	14"	1385816.04	2255517.25	20+06	1
T-320	DECIDUOUS	14"	1385815.87	2255536.75	20+22	1
T-321	DECIDUOUS	17"	1385882.95	2255605.19	21+17	1
T-322	DECIDUOUS	20"	1385921.07	2255646.88	21+73	1
T-323	DECIDUOUS	12"	1385935.38	2255692.82	22+18	1
T-324	DECIDUOUS (P)	10"	1385939.97	2255707.16	22+32	1
T-325	DECIDUOUS (P)	21"	1385935.60	2255718.51	22+39	1
T-326	DECIDUOUS (P)	10"	1385945.95	2255711.27	22+39	1
T-327	DECIDUOUS	46"	1385958.14	2255706.05	22+42	1
T-328	DECIDUOUS	13"	1385964.95	2255723.30	22+60	1

(P) TREES TO BE PROVISIONALLY REMOVED. SEE NOTE 2 THIS SHEET.

TEMPORARY STREAM CROSSING				
BEST MANAGEMENT PRACTICE	DRAINAGE AREA (AC)	AVERAGE SLOPE OF WATERSHED (%)	STREAM FLOW RATE AT BANKFULL FLOW (CFS)	CORRUGATED METAL PIPE DIAMETER (IN)
Sr-C	3124	0.58	4.75	72

LEGEND

TREE IN PERMANENT EASEMENT TO BE REMOVED

TREE IN CONSTRUCTION EASEMENT (SEE NOTE 2 THIS SHEET)

PROPOSED SANITARY SEWER TRUNK PIPE

PROPOSED SANITARY SEWER MANHOLE

GEORGIA SOIL AND WATER CONSERVATION COMMISSION

William T. Roberts

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DEPARTMENT OF
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MANAGEMENT
DEKALB COUNTY, GEORGIA

PROJECT:
SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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REV	DATE	DESCRIPTION	INITIAL	ISSUE	REVIEW	COMMENTS
0	5/27/16					
1	12/9/16					

STAMP:

SHEET TITLE: 55 of 65

ES&PC PLAN
SITE 3
STA 18+50 - 23+00

ISSUED: 5.27.16

PROJECT NO.

SCALE: 1" = 20'

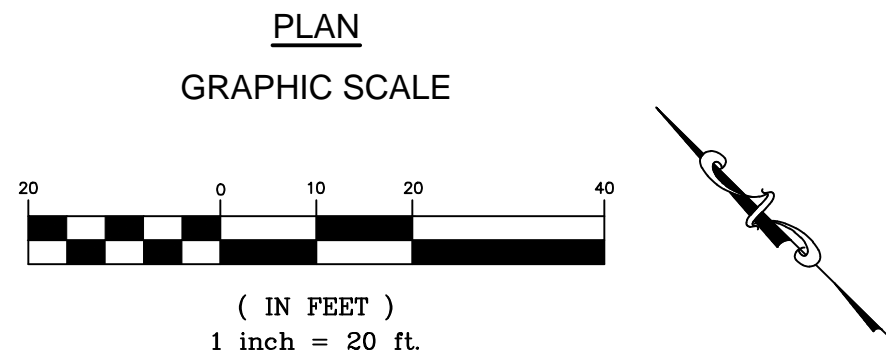
CHKD BY: A.R.

DESIGNED BY: J.J.





DRAWN BY: J.J.

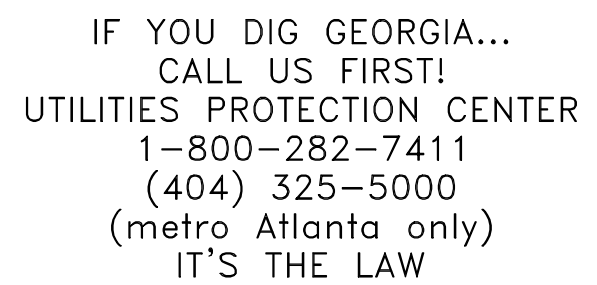
C-39

1. ALL TREES WITHIN THE PERMANENT EASEMENT WILL BE REMOVED
2. TREES WITHIN THE CONSTRUCTION EASEMENT MAY BE REMOVED WITH DCDWM REVIEW OF CONTRACTOR'S JUSTIFICATION
3. STATEMENT AND SUBSEQUENT WRITTEN APPROVAL
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7. SAMPLING LOCATIONS SHOWN ON SHEET C-30.



TREES TO BE REMOVED (CONTINUED)						
NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-356	CONIFEROUS (P)	15"	1385870.51	2256055.38	27+02	1
T-357	DECIDUOUS (P)	13"	1385849.06	2256074.42	27+16	2
T-358	CONIFEROUS (P)	15"	1385872.46	2256070.33	26+17	1
T-359	CONIFEROUS	10"	1385868.11	2256072.54	27+19	1
T-360	CONIFEROUS	24"	1385863.96	2256074.21	27+19	1
T-361	CONIFEROUS (P)	17"	1385885.37	2256070.77	27+20	1
T-362	CONIFEROUS	12"	1385861.24	2256077.99	27+22	1
T-363	CONIFEROUS	21"	1385866.98	2256078.46	27+24	1
T-364	CONIFEROUS (P)	17"	1385880.91	2256096.51	27+45	1
T-365	CONIFEROUS	20"	1385862.95	2256102.88	27+47	1
T-366	CONIFEROUS	17"	1385876.87	2256101.67	27+49	1

LEGEND	
	TREE IN PERMANENT EASEMENT TO BE REMOVED
	TREE IN CONSTRUCTION EASEMENT (SEE NOTE 2 THIS SHEET)
	PROPOSED SANITARY SEWER TRUNK PIPE
	PROPOSED SANITARY SEWER MANHOLE



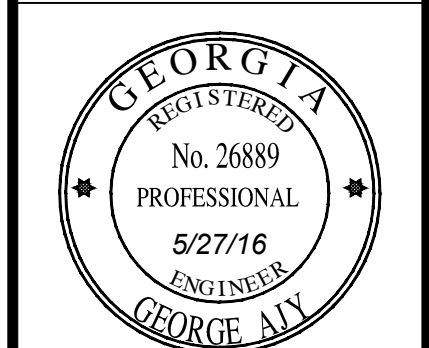
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PROJECT: SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 83, 100, 102, 103, 113, 118, & 119
DISTRICT 18
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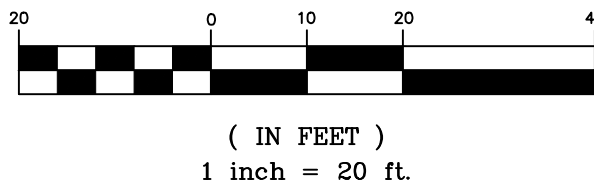
SHEET TITLE: 56 of 65

ES&PC PLAN
SITE 3
STA 23+00 - 27+50

ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 20'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

C-40

PLAN
GRAPHIC SCALE



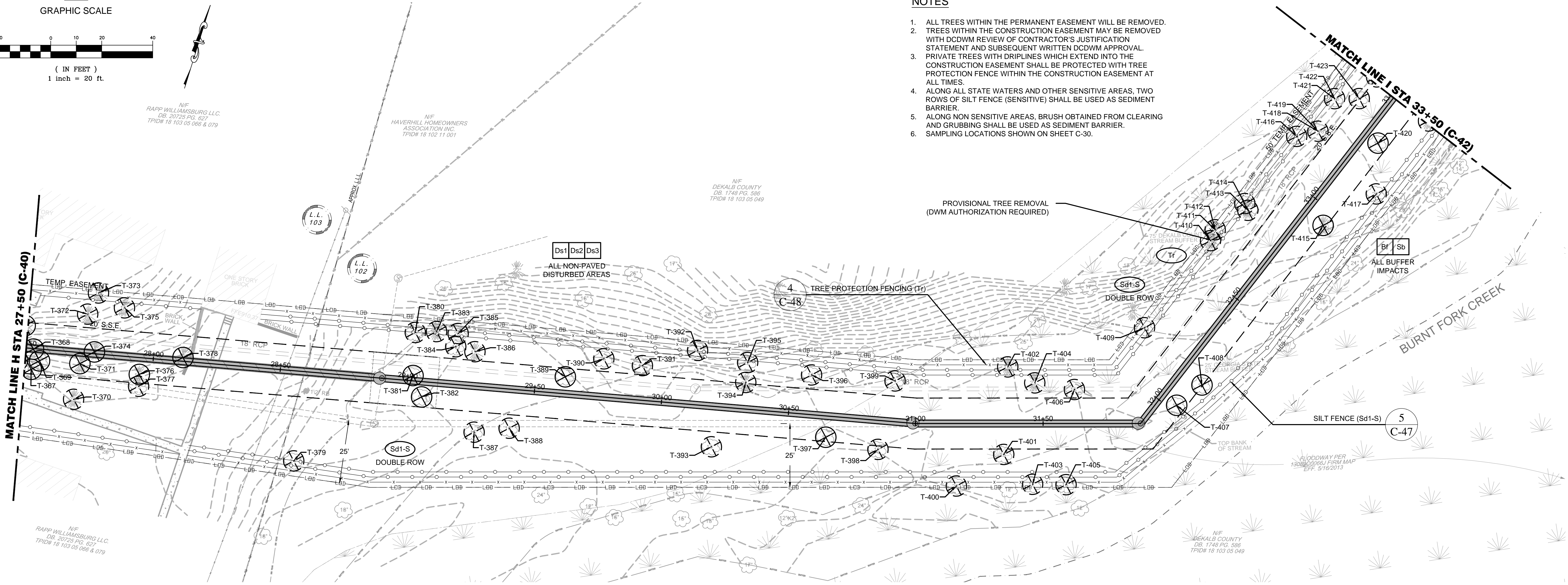
NF
RAPP WILLIAMSBURG LLC.
DB: 20725 PG. 627
TPID# 18 103 05 066 & 079

NF
HAVERHILL HOMEOWNERS
ASSOCIATION INC.
TPID# 18 102 11 001

NF
DEKALB COUNTY
DB: 1749 PG. 586
TPID# 18 103 05 049

NOTES

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6. SAMPLING LOCATIONS SHOWN ON SHEET C-30.



TREES TO BE REMOVED

NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-367	DECIDUOUS	13"	1385861.17	2256108.99	27+53	1
T-368	DECIDUOUS	12"	1385869.00	2256107.51	27+53	1
T-369	DECIDUOUS	11"	1385865.32	2256111.13	27+56	1
T-370	CONIFEROUS (P)	24"	1385854.90	2256128.36	27+70	1
T-371	CONIFEROUS	17"	1385868.94	2256126.57	27+71	1
T-372	CONIFEROUS (P)	24"	1385888.40	2256123.76	27+73	1
T-373	CONIFEROUS (P)	16"	1385897.59	2256125.36	27+76	1
T-374	CONIFEROUS	14"	1385875.03	2256130.67	27+77	1
T-375	CONIFEROUS (P)	18"	1385895.03	2256136.83	27+87	1
T-376	CONIFEROUS	18"	1385871.79	2256150.10	27+95	1
T-377	DECIDUOUS (P)	13"	1385867.30	2256151.20	27+95	1
T-378	CONIFEROUS	25"	1385883.21	2256164.48	28+12	1
T-379	DECIDUOUS (P)	24"	1385857.32	2256217.96	28+58	1
T-380	DECIDUOUS (P)	15"	1385919.53	2256248.62	29+02	1
T-381	DECIDUOUS	16"	1385903.10	2256252.74	29+02	1
T-382	DECIDUOUS	17"	1385896.10	2256258.45	29+06	1
T-383	CONIFEROUS (P)	16"	1385922.32	2256256.48	29+10	1
T-384	DECIDUOUS (P)	12"	1385918.87	2256265.43	29+18	1
T-385	DECIDUOUS (P)	20"	1385924.11	2256264.78	29+18	1
T-386	CONIFEROUS (P)	13"	1385919.24	2256273.19	29+25	1
T-387	DECIDUOUS (P)	15"	1385889.00	2256282.20	29+28	1
T-388	DECIDUOUS (P)	13"	1385894.54	2256294.87	29+41	1
T-389	DECIDUOUS	17"	1385920.29	2256309.94	29+62	1
T-390	DECIDUOUS (P)	25"	1385931.50	2256322.29	29+76	1
T-391	DECIDUOUS (P)	17"	1385933.43	2256337.55	29+91	1
T-392	DECIDUOUS (P)	17"	1385945.55	2256356.44	30+12	1
T-393	DECIDUOUS (P)	13"	1385911.03	2256372.78	30+21	1

TREES TO BE REMOVED (CONTINUED)

NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-394	CONIFEROUS (P)	26"	1385939.11	2256378.19	30+32	1
T-395	DECIDUOUS (P)	22"	1385946.79	2256376.61	30+32	1
T-396	DECIDUOUS (P)	13"	1385949.56	2256401.97	30+58	1
T-397	DECIDUOUS	12"	1385927.85	2256414.52	30+65	1
T-398	DECIDUOUS (P)	12"	1385929.37	2256435.49	30+86	1
T-399	DECIDUOUS (P)	24"	1385956.99	2256433.96	30+91	1
T-400	DECIDUOUS (P)	22"	1385924.73	2256469.09	31+16	1
T-401	DECIDUOUS (P)	13"	1385942.05	2256483.18	31+35	1
T-402	CONIFEROUS (P)	13"	1385975.32	2256474.53	31+36	1
T-403	DECIDUOUS (P)	12"	1385934.21	2256497.47	31+46	1
T-404	CONIFEROUS (P)	23"	1385972.47	2256486.52	31+47	1
T-405	DECIDUOUS (P)	16"	1385937.94	2256510.04	31+59	1
T-406	DECIDUOUS (P)	16"	1385974.58	2256502.13	31+62	1
T-407	DECIDUOUS	16"	1385980.50	2256542.24	32+03	1
T-408	DECIDUOUS	19"	1385991.04	2256549.39	32+15	1
T-409	DECIDUOUS (P)	17"	1386005.83	2256521.23	32+19	1
T-410	CONIFEROUS (P)	16"	1386046.14	2256535.87	32+62	1
T-411	DECIDUOUS (P)	15"	1386050.75	2256536.32	32+66	1
T-412	DECIDUOUS (P)	17"	1386050.75	2256536.32	32+66	1
T-413	CONIFEROUS (P)	15"	1386061.81	2256546.32	32+80	1
T-414	DECIDUOUS (P)	10"	1386064.00	2256544.38	32+81	1
T-415	CONIFEROUS	32"	1386084.88	2256576.25	32+93	1
T-416	DECIDUOUS (P)	14"	1386095.19	2256556.05	33+15	1
T-417	DECIDUOUS (P)	22"	1386082.85	2256592.53	33+16	1
T-418	DECIDUOUS (P)	18"	1386099.59	2256563.39	33+21	1
T-419	DECIDUOUS (P)	23"	1386099.59	2256563.39	33+21	1
T-420	DECIDUOUS	16"	1386102.04	2256587.25	33+32	1

TREES TO BE REMOVED (CONTINUED)

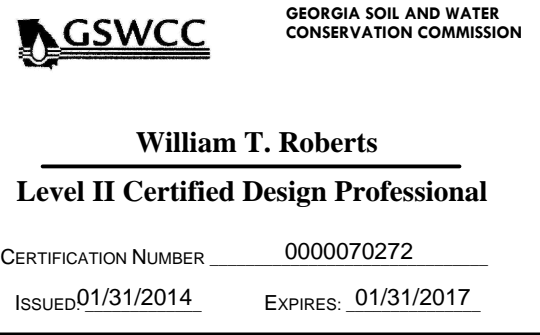
NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-421	DECIDUOUS (P)	7"	1386113.72	2256565.85	33+36	1
T-422	DECIDUOUS (P)	16"	1386113.72	2256565.85	33+36	1
T-423	DECIDUOUS (P)	14"	1386116.60	2256575.09	33+41	1

(P) TREES TO BE PROVISIONALLY REMOVED. SEE NOTE 2 THIS SHEET.

LEGEND



TREE IN PERMANENT EASEMENT TO BE REMOVED
TREE IN CONSTRUCTION EASEMENT (SEE NOTE 2 THIS SHEET)
PROPOSED SANITARY SEWER TRUNK PIPE
PROPOSED SANITARY SEWER MANHOLE



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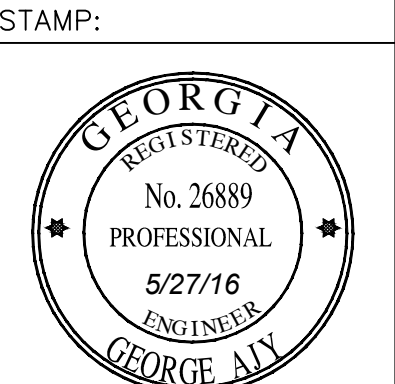


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CLIENT:
DEKALB COUNTY
DEPARTMENT OF
WATERSHED
MANAGEMENT
DEKALB COUNTY, GEORGIA

PROJECT:
SOUTH FORK CREEK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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REV	DATE	DESCRIPTION
0	5/27/16	INITIAL ISSUE
1	12/9/16	REVIEW COMMENTS



SHEET TITLE: 57 of 65
ES&PC PLAN
SITE 3
STA 27+50 - 33+50

ISSUED: 5.27.16

PROJECT NO.

SCALE: 1" = 20'

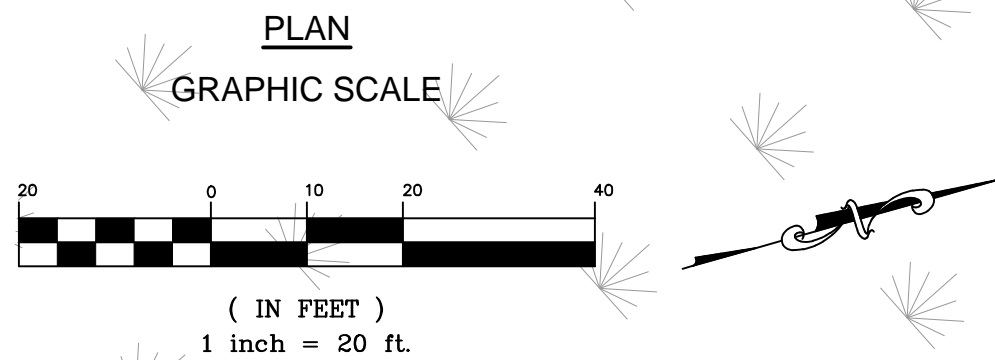
CHKD BY: A.R.

DESIGNED BY: J.J.

DRAWN BY: J.J.

C-41

1. ALL TREES WITHIN THE PERMANENT EASEMENT WILL BE REMOVED.
2. TREES WITHIN THE CONSTRUCTION EASEMENT MAY BE REMOVED WITH DCDWM REVIEW OF CONTRACTOR'S JUSTIFICATION STATEMENT AND SUBSEQUENT WRITTEN DCDWM APPROVAL.
3. PROPOSED TREE PROTECTION FENCE TO EXTEND TO THE CONSTRUCTION EASEMENT SHALL BE PROTECTED WITH TREE PROTECTION FENCE WITHIN THE CONSTRUCTION EASEMENT AT ALL TIMES.
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6. SAMPLING LOCATIONS SHOWN ON SHEET C-30.







T-425	DECIDUOUS (P)	13"	1386126.75	2256579.08	33+52	1
T-426	DECIDUOUS (P)	18"	1386136.21	2256613.00	33+73	1
T-427	DECIDUOUS (P)	21"	1386152.77	2256585.51	33+79	1
T-428	DECIDUOUS (P)	10"	1386157.43	2256585.45	33+83	1
T-429	DECIDUOUS (P)	10"	1386166.99	2256585.28	33+92	1
T-430	DECIDUOUS (P)	20"	1386166.99	2256585.28	33+92	1
T-431	DECIDUOUS	15"	1386172.60	2256610.20	34+06	1
T-432	DECIDUOUS (P)	16"	1386169.33	2256619.05	34+06	1
T-433	DECIDUOUS (P)	14"	1386186.91	2256589.86	34+12	1
T-434	DECIDUOUS	10"	1386184.79	2256613.88	34+19	1
T-435	DECIDUOUS	13"	1386189.44	2256620.55	34+26	1
T-436	DECIDUOUS (P)	23"	1386206.20	2256606.03	34+36	1
T-437	DECIDUOUS	16"	1386200.75	2256623.38	34+37	1
T-438	DECIDUOUS (P)	20"	1386202.03	2256638.37	34+44	1
T-439	DECIDUOUS (P)	17"	1386216.40	2256608.15	34+47	1
T-440	DECIDUOUS	12"	1386208.12	2256630.88	34+47	1
T-441	DECIDUOUS	10"	1386213.31	2256629.08	34+51	1
T-442	DECIDUOUS (P)	20"	1386209.89	2256638.47	34+51	1
T-443	DECIDUOUS (P)	13"	1386228.57	2256610.11	34+59	1
T-444	DECIDUOUS	16"	1386225.57	2256631.15	34+63	1
T-445	DECIDUOUS (P)	26"	1386227.10	2256645.81	34+70	1
T-446	DECIDUOUS (P)	14"	1386241.87	2256614.03	34+72	1
T-447	DECIDUOUS (P)	15"	1386245.15	2256614.25	34+76	1
T-448	DECIDUOUS	22"	1386247.32	2256633.18	34+84	1
T-449	DECIDUOUS (P)	18"	1386252.10	2256660.44	34+98	1
T-450	DECIDUOUS	13"	1386261.20	2256642.31	35+00	1

T-452	DECIDUOUS (P)	17"	1386274.52	2256630.25	35+09	1
T-453	DECIDUOUS	19"	1386273.91	2256645.00	35+13	1
T-454	DECIDUOUS (P)	16"	1386284.23	2256623.79	35+16	1
T-455	DECIDUOUS	22"	1386280.97	2256648.67	35+21	1
T-456	DECIDUOUS	30"	1386320.62	2256670.98	35+66	1
T-457	DECIDUOUS	27"	1386325.60	2256667.34	35+70	1
T-458	DECIDUOUS (P)	23"	1386333.68	2256649.24	35+71	1
T-459	DECIDUOUS	30"	1386338.95	2256671.14	35+83	1
T-460	DECIDUOUS	30"	1386347.00	2256667.11	35+90	1
T-461	DECIDUOUS (P)	15"	1386363.72	2256689.57	36+10	1
T-462	DECIDUOUS	26"	1386373.16	2256687.91	36+20	1
T-463	DECIDUOUS (P)	28"	1386372.60	2256696.02	36+20	1
T-464	DECIDUOUS (P)	20"	1386387.54	2256662.91	36+31	1
T-465	DECIDUOUS (P)	21"	1386394.62	2256699.26	36+42	1
T-466	DECIDUOUS (P)	15"	1386436.98	2256669.66	36+81	1
T-467	DECIDUOUS (P)	14"	1386441.83	2256670.08	36+86	1
T-468	DECIDUOUS (P)	23"	1386449.47	2256670.77	36+93	1
T-469	DECIDUOUS (P)	17"	1386466.27	2256704.36	37+14	1
T-470	DECIDUOUS (P)	22"	1386470.98	2256700.99	37+18	1
T-471	DECIDUOUS	27"	1386475.49	2256696.87	37+22	1
T-472	DECIDUOUS	17"	1386489.28	2256693.94	37+36	1
T-473	DECIDUOUS (P)	24"	1386501.15	2256674.25	37+45	1
T-474	DECIDUOUS (P)	22"	1386510.30	2256673.03	37+54	1
T-475	DECIDUOUS (P)	13"	1386515.69	2256708.89	37+64	1

(P) TREES TO BE PROVISIONALLY REMOVED. SEE NOTE 2 THIS SHEET.

(P) TREES TO BE PROVISIONALLY REMOVED. SEE NOTE 2 THIS SHEET.

	TREE IN PERMANENT EASEMENT TO BE REMOVED
	TREE IN CONSTRUCTION EASEMENT (SEE NOTE 2 THIS SHEET)
	PROPOSED SANITARY SEWER TRUNK PIPE
	PROPOSED SANITARY SEWER MANHOLE

The image shows the GSWCC logo on the left, which consists of a stylized 'G' and 'S' followed by 'GSWCC'. To the right of the logo, the text 'GEORGIA SOIL AND WATER CONSERVATION COMMISSION' is displayed in a stacked format. Below this, the name 'William T. Roberts' is centered. Underneath the name is a horizontal line, followed by the text 'Level II Certified Design Professional'. At the bottom, there are two rows of information: 'CERTIFICATION NUMBER' followed by '0000070272', and 'ISSUED: 01/31/2014' followed by 'EXPIRES: 01/31/2017'.

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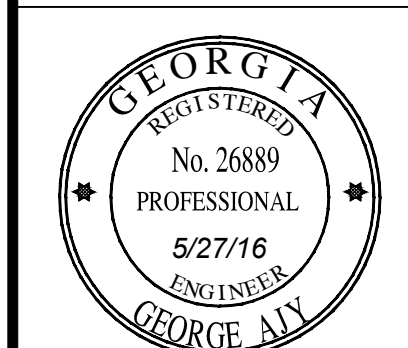
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ATLANTA, GA 30338
PHONE: (678) 336-5732
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DEKALB COUNTY
DEPARTMENT OF
WATERSHED
MANAGEMENT
DEKALB COUNTY, GEORGIA

PROJECT: SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
DISTRICT 18
© 2010 R2T INC.

[illegible]

STAMP:



SHEET TITLE: 58 of 65

ES&PC PLAN
SITE 3
STA 33+50 - 39+50

ISSUED: 5.27.16

PROJECT NO. _____

SCALE: 1" = 20'

CHKD BY: A.R.

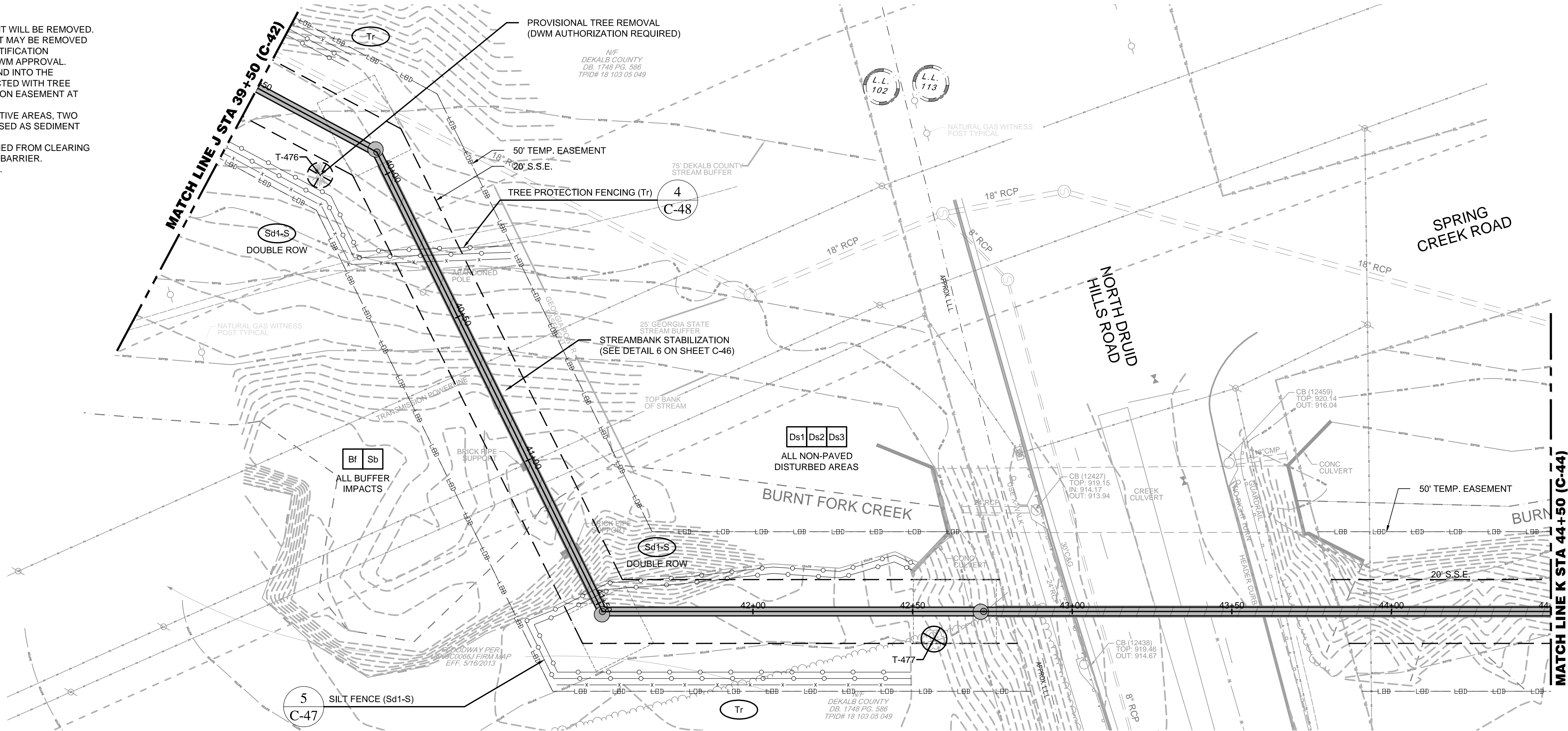
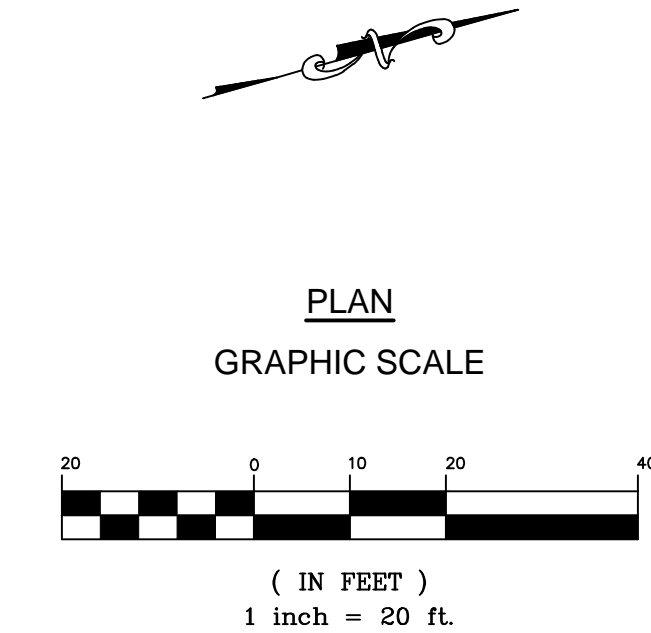
DESIGNED BY: J.J.

DRAWN BY: 0.0.

C-42

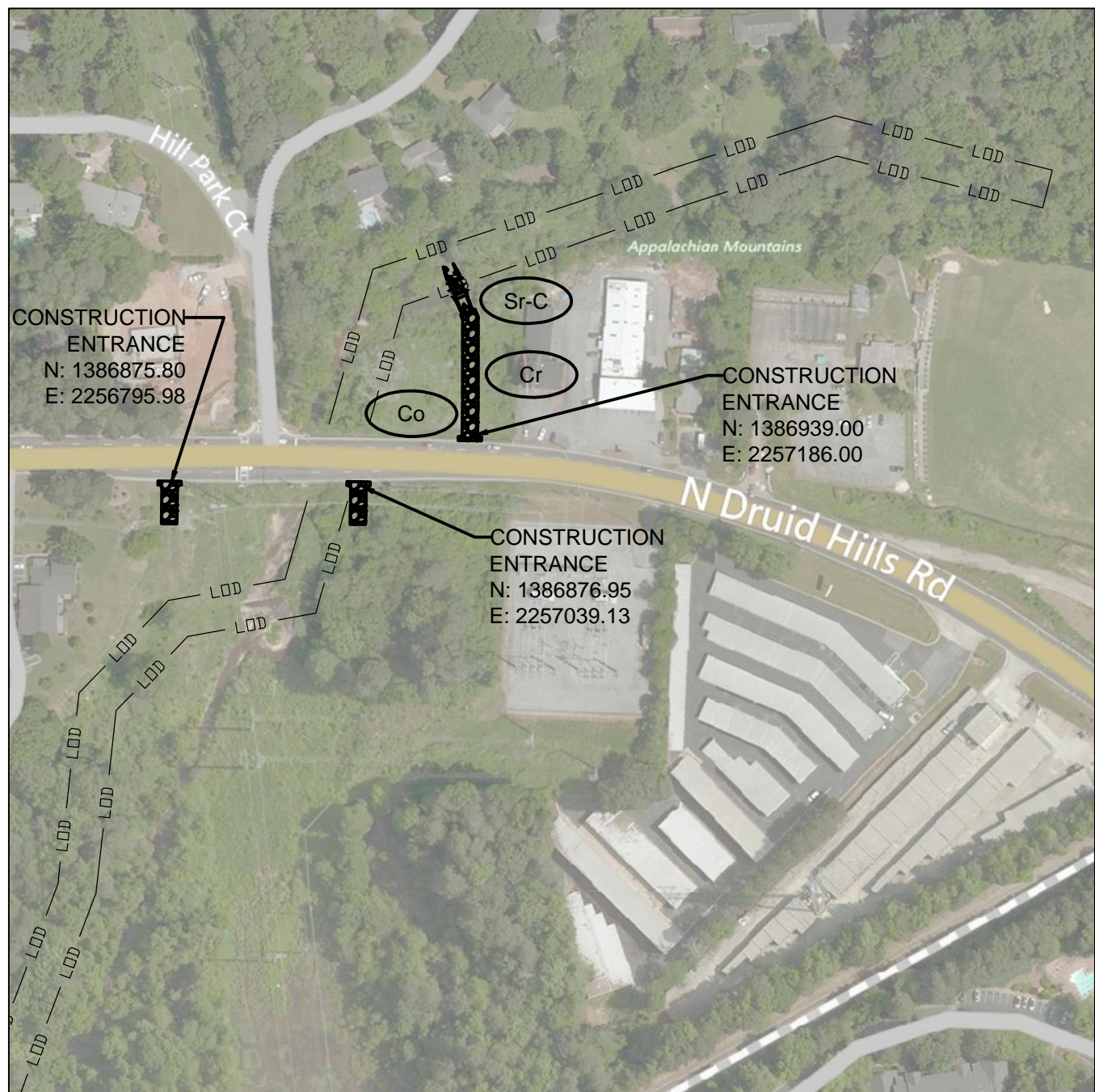
NOTES

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- TREES WITHIN THE CONSTRUCTION EASEMENT MAY BE REMOVED WITH DCDWM REVIEW OF CONTRACTOR'S JUSTIFICATION STATEMENT AND SUBSEQUENT WRITTEN DCDWM APPROVAL.
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- ALONG NON SENSITIVE AREAS, BRUSH OBTAINED FROM CLEARING AND GRUBBING SHALL BE USED AS SEDIMENT BARRIER.
- SAMPLING LOCATIONS SHOWN ON SHEET C-30.



NOTES

- RECOMMENDED POINTS OF ENTRY ALONG NORTH DRUID HILLS ROAD. CONTRACTOR TO OBTAIN RIGHT OF ENTRY OR TEMPORARY EASEMENT AS APPLICABLE FOR SITE ACCESS.



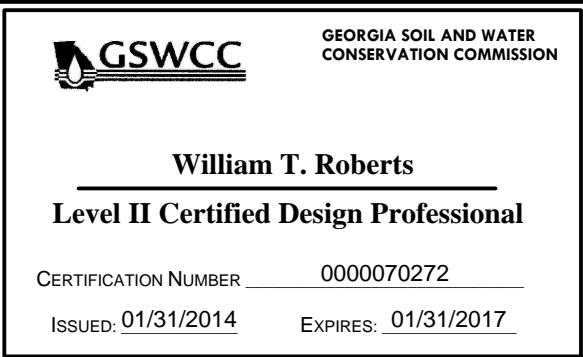
5 SITE 3 ACCESS PLAN
SCALE 1" = 200'

TREES TO BE REMOVED						
NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-476	CONIFEROUS (P)	25"	1386684.84	2256808.76	39+80	1
T-477	DECIDUOUS	12"	1386830.29	2257001.01	42+57	1

(P) TREES TO BE PROVISIONALLY REMOVED. SEE NOTE 2 THIS SHEET.

TEMPORARY STREAM CROSSING				
BEST MANAGEMENT PRACTICE	DRAINAGE AREA (AC)	AVERAGE SLOPE OF WATERSHED (%)	STREAM FLOW RATE AT BANKFULL FLOW (CFS)	CORRUGATED METAL PIPE DIAMETER (IN)
Sr-C	3124	0.58	4.77	72

LEGEND	
	TREE IN PERMANENT EASEMENT TO BE REMOVED
	TREE IN CONSTRUCTION EASEMENT (SEE NOTE 2 THIS SHEET)
	PROPOSED SANITARY SEWER TRUNK PIPE
	PROPOSED SANITARY SEWER MANHOLE



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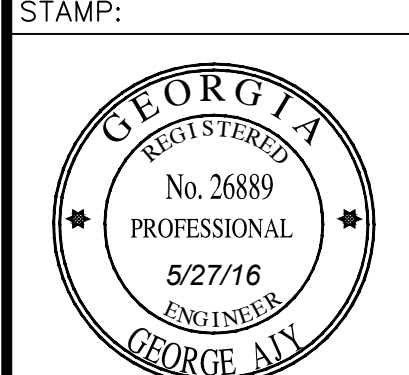


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DEKALB COUNTY, GEORGIA

SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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REV	DATE	DESCRIPTION
0	5/27/16	INITIAL ISSUE
1	12/9/16	REVIEW COMMENTS



SHEET TITLE: 59 of 65
ES&PC PLAN
SITE 3
STA 39+50 - 44+50

ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 20'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

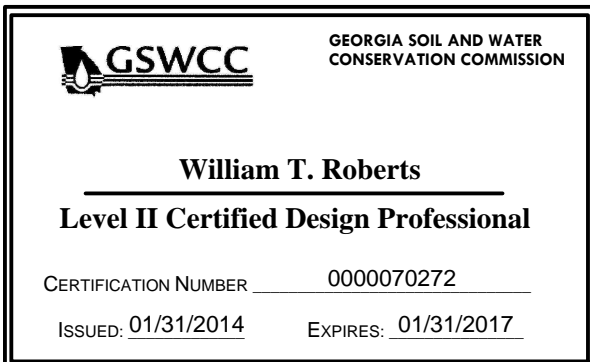
C-43

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TREES TO BE REMOVED						
NAME	TREE TYPE	SIZE	NORTHING	EASTING	STATION	COUNT
T-478	DECIDUOUS (P)	10"	1387123.63	2257055.10	45+54	2
T-479	DECIDUOUS	10"	1387127.35	2257082.32	45+68	1
T-480	DECIDUOUS (P)	8"	1387154.40	2257078.91	45+77	1
T-481	DECIDUOUS (P)	10"	1387154.40	2257078.91	45+77	1
T-482	DECIDUOUS	10"	1387143.16	2257102.59	45+96	1
T-483	DECIDUOUS	10"	1387136.05	2257110.12	46+01	1
T-484	DECIDUOUS	12"	1387143.02	2257120.91	46+14	1
T-485	DECIDUOUS (P)	17"	1387175.18	2257168.49	46+69	1
T-486	DECIDUOUS (P)	10"	1387180.37	2257176.04	46+78	1
T-487	DECIDUOUS	7"	1387178.48	2257182.65	46+83	2
T-488	DECIDUOUS	8"	1387178.48	2257182.65	46+83	2
T-489	DECIDUOUS (P)	10"	1387160.64	2257195.38	46+90	1
T-490	DECIDUOUS	14"	1387181.56	2257195.42	46+96	2
T-491	DECIDUOUS (P)	12"	1387189.27	2257203.77	47+07	1
T-492	DECIDUOUS	20"	1387186.78	2257210.33	47+12	1
T-493	DECIDUOUS	11"	1387171.84	2257217.52	47+14	1
T-494	DECIDUOUS	10"	1387184.25	2257221.71	47+22	1
T-495	DECIDUOUS	9"	1387192.75	2257228.72	47+32	2
T-496	DECIDUOUS (P)	15"	1387206.01	2257232.32	47+39	1
T-497	DECIDUOUS	14"	1387222.74	2257328.43	48+36	1
T-498	DECIDUOUS (P)	8"	1387239.71	2257328.43	48+42	1
T-499	DECIDUOUS (P)	10"	1387239.71	2257328.43	48+42	1
T-500	DECIDUOUS (P)	9"	1387240.68	2257340.31	48+53	3
T-501	DECIDUOUS (P)	15"	1387222.26	2257384.60	48+89	1
T-502	DECIDUOUS	40"	1387234.79	2257405.74	49+13	1

(P) TREES TO BE PROVISIONALLY REMOVED. SEE NOTE 2 THIS SHEET.

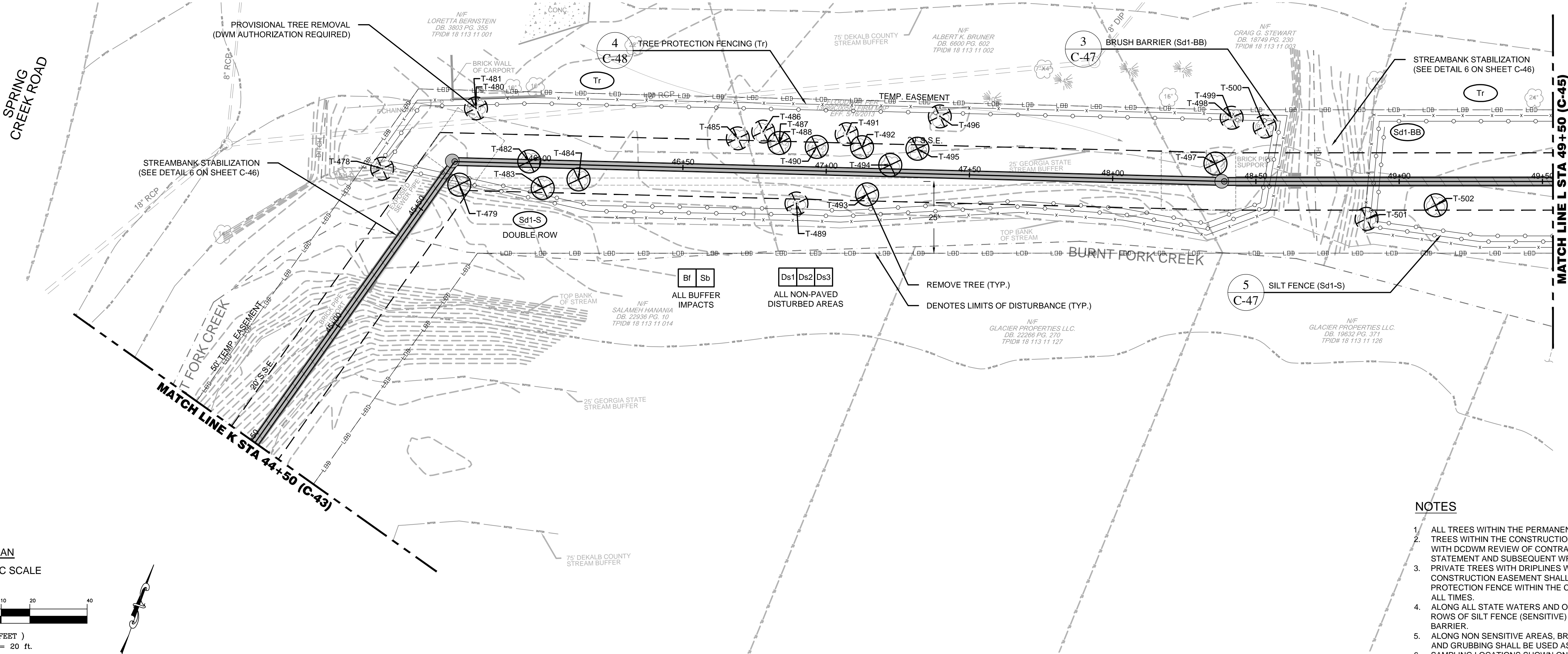
LEGEND		
	TREE IN PERMANENT EASEMENT TO BE REMOVED	
	TREE IN CONSTRUCTION EASEMENT (SEE NOTE 2 THIS SHEET)	
	PROPOSED SANITARY SEWER TRUNK PIPE	
	PROPOSED SANITARY SEWER MANHOLE	



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NOTES

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- ALONG NON SENSITIVE AREAS, BRUSH OBTAINED FROM CLEARING AND GRUBBING SHALL BE USED AS SEDIMENT BARRIER.
- SAMPLING LOCATIONS SHOWN ON SHEET C-30.



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CLIENT:
DEKALB COUNTY
DEPARTMENT OF
WATERSHED
MANAGEMENT
DEKALB COUNTY, GEORGIA

PROJECT:
SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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REV	DATE	DESCRIPTION
0	5/27/16	INITIAL ISSUE
1	12/9/16	REVIEW COMMENTS

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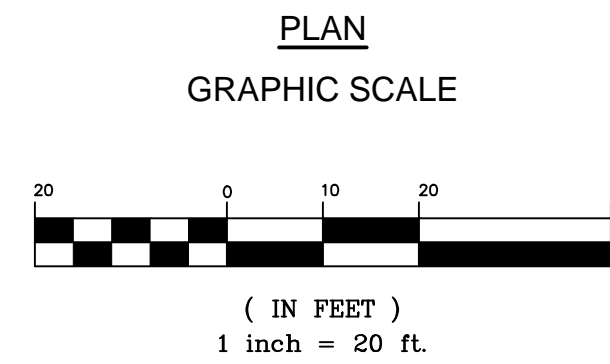


SHEET TITLE: 60 of 65
ES&PC PLAN
SITE 3
STA 44+50 - 49+50

ISSUED: 5.27.16
PROJECT NO.
SCALE: 1" = 20'
CHKD BY: A.R.
DESIGNED BY: J.J.
DRAWN BY: J.J.

C-44





1. ALL TREES WITHIN THE PERMANENT EASEMENT WILL BE REMOVED
2. TREES WITHIN THE CONSTRUCTION EASEMENT MAY BE REMOVED WITH DCDWM REVIEW OF CONTRACTOR'S JUSTIFICATION
3. STATEMENT AND SUBSEQUENT WRITTEN APPROVAL
4. PROTECT TREES WITH DRIP LINES WHICH EXTEND INTO THE CONSTRUCTION EASEMENT SHALL BE PROTECTED WITH TREE PROTECTION FENCE WITHIN THE CONSTRUCTION EASEMENT AT ALL TIMES.
5. ALONG ALL STATE WATERS AND OTHER SENSITIVE AREAS, TWO ROWS OF SILT FENCE (SENSITIVE) SHALL BE USED AS SEDIMENT BARRIER.
6. ALONG NON SENSITIVE AREAS, BRUSH OBTAINED FROM CLEARING AND GRUBBING SHALL BE USED AS SEDIMENT BARRIER.
7. SAMPLING LOCATIONS SHOWN ON SHEET C-30.




T-504	DECIDUOUS (P)	13"	1387254.54	2257478.44	49+88	2
T-505	CONIFEROUS (P)	27"	1387296.20	2257520.26	50+41	1
T-506	CONIFEROUS (P)	25"	1387273.25	2257533.23	50+46	1
T-507	DECIDUOUS (P)	10"	1387333.43	2257626.12	51+53	1
T-508	DECIDUOUS	10"	1387324.49	2257632.19	51+56	2
T-509	DECIDUOUS	10"	1387328.50	2257636.60	51+62	1
T-510	CONIFEROUS (P)	13"	1387298.55	2257647.09	51+62	1
T-511	CONIFEROUS (P)	30"	1387307.67	2257644.98	51+63	1
T-512	DECIDUOUS (P)	12"	1387328.33	2257738.04	52+58	1
T-513	CONIFEROUS (P)	23"	1387287.16	2257740.21	52+70	1
T-514	DECIDUOUS (P)	13"	1387290.42	2257753.26	52+82	1
T-515	DECIDUOUS (P)	34"	1387314.41	2257765.72	52+88	1
T-516	DECIDUOUS (P)	32"	1387302.49	2257838.34	53+62	1
T-517	DECIDUOUS (P)	32"	1387299.07	2257840.83	53+65	1
T-518	DECIDUOUS (P)	32"	1387254.19	2257859.20	53+94	1
T-519	DECIDUOUS (P)	37"	1387252.36	2257876.43	54+11	1
T-520	DECIDUOUS	10"	1387267.05	2257900.49	54+30	1

TREE TYPE	SIZE	COUNT
DECIDUOUS (P)	0 - 12"	36
DECIDUOUS	0 - 12"	30
CONIFEROUS (P)	0 - 12"	4
CONIFEROUS	0 - 12"	5
DECIDUOUS (P)	13" - 24"	111
DECIDUOUS	13" - 24"	47
CONIFEROUS (P)	13" - 24"	47
CONIFEROUS	13" - 24"	24
DECIDUOUS (P)	25" - 36"	18
DECIDUOUS	25" - 36"	8
CONIFEROUS (P)	25" - 36"	9
CONIFEROUS	25" - 36"	3
DECIDUOUS (P)	37" - 48"	2
DECIDUOUS	37" - 48"	3

(P) TREES TO BE PROVISIONALLY REMOVED. SEE NOTE 2 THIS SHEET.

	<u>LEGEND</u>
	TREE IN PERMANENT EASEMENT TO BE REMOVED
	TREE IN CONSTRUCTION EASEMENT (SEE NOTE 2 THIS SHEET)
	PROPOSED SANITARY SEWER TRUNK PIPE
	PROPOSED SANITARY SEWER MANHOLE

 **GSWCC**

GEORGIA SOIL AND WATER
CONSERVATION COMMISSION

William T. Roberts

Level II Certified Design Professional

CERTIFICATION NUMBER 0000070272

ISSUED 01/31/2014 EXPIRES: 01/31/2017

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DEPARTMENT OF
WATERSHED
MANAGEMENT**

**SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT**

	0	5/27/16	INITIAL ISSUE
	1	12/9/16	REVIEW COMMENTS

TAMP:



SHEET TITLE: 61 of 65

ES&PC PLAN
SITE 3
STA 49+50 - 54+50

SUED: 5.27.16

PROJECT NO. _____

SCALE: 1" = 20'

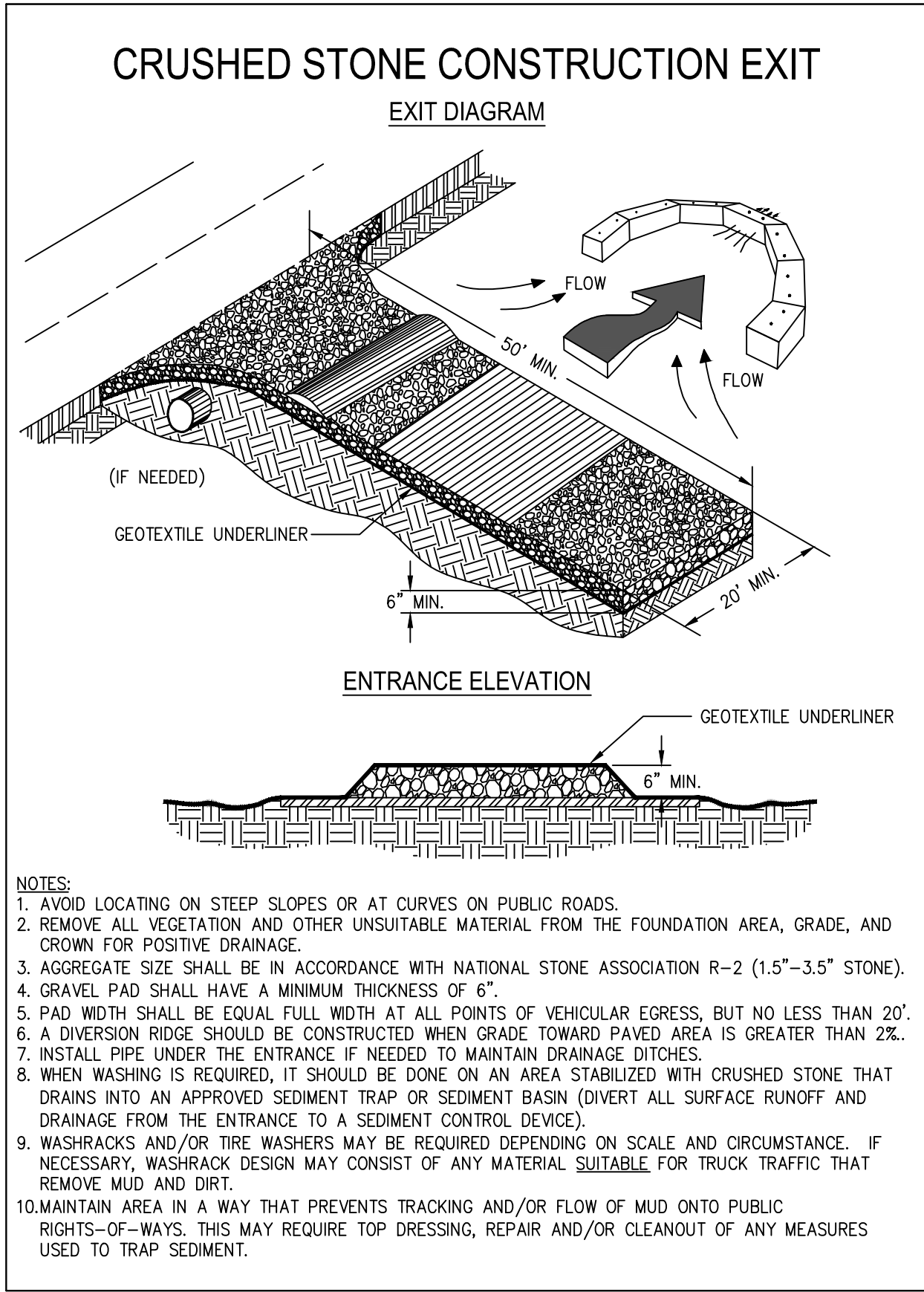
HKD BY: A.R.

SIGNED BY: J.J.

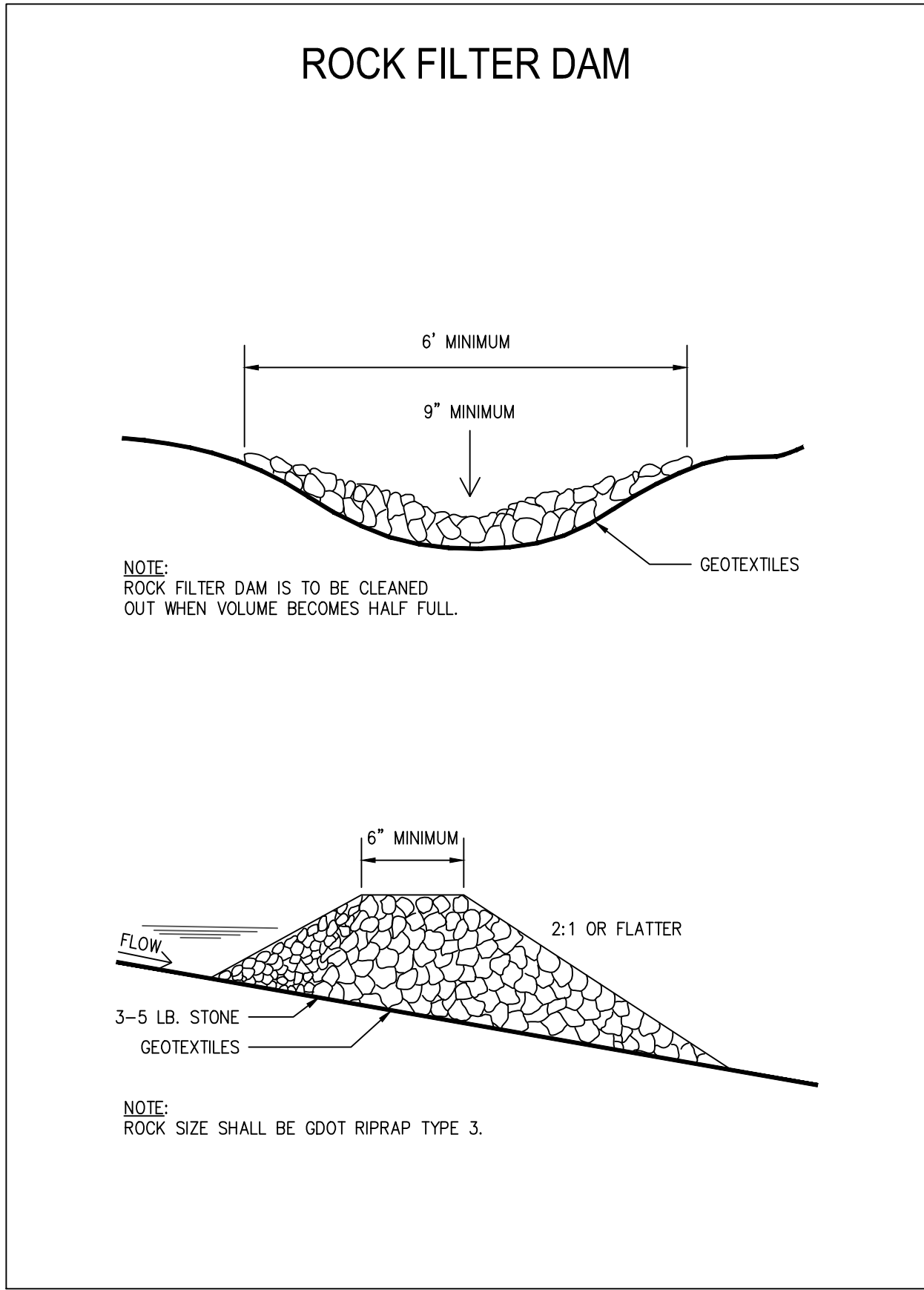
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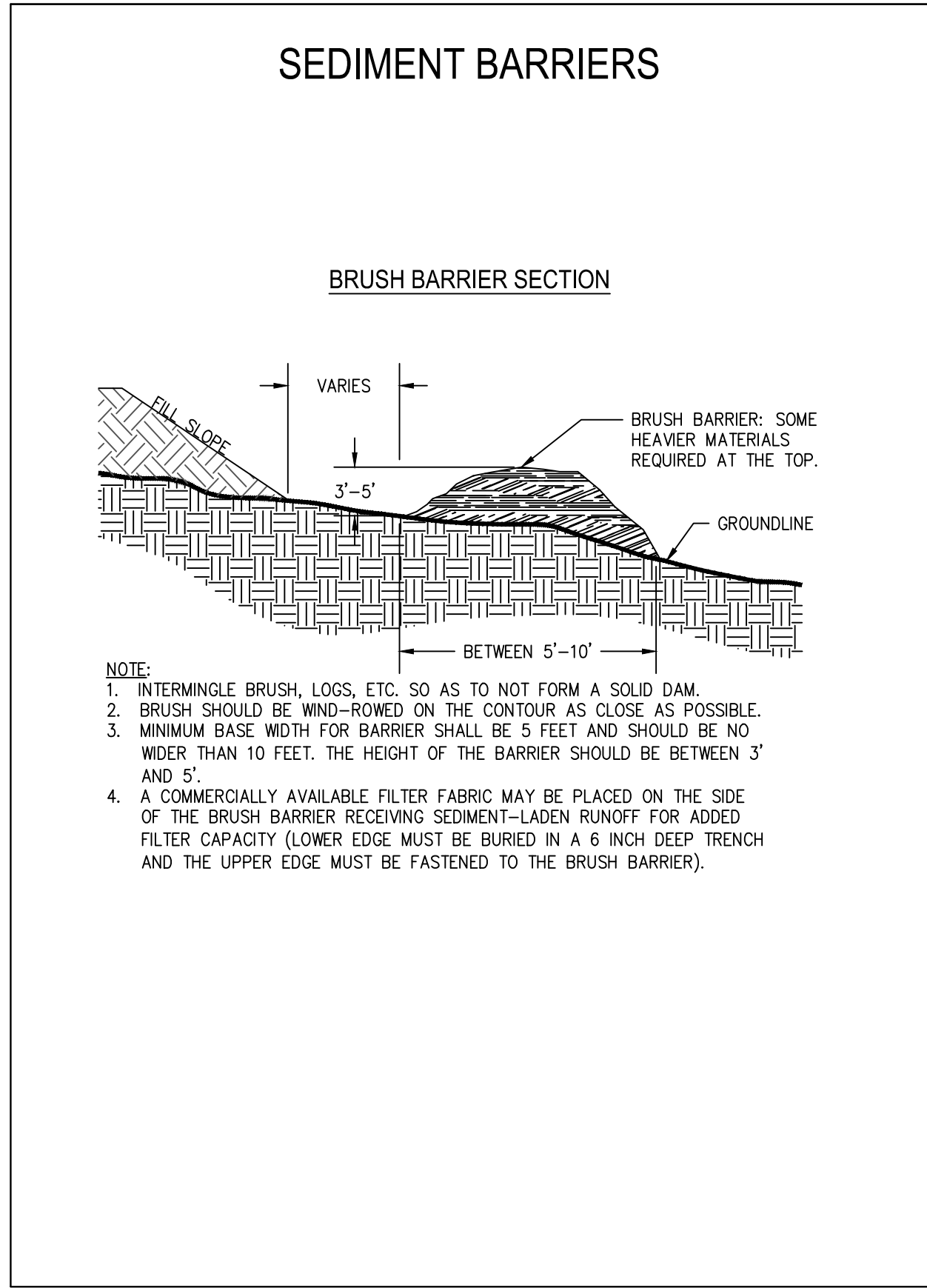
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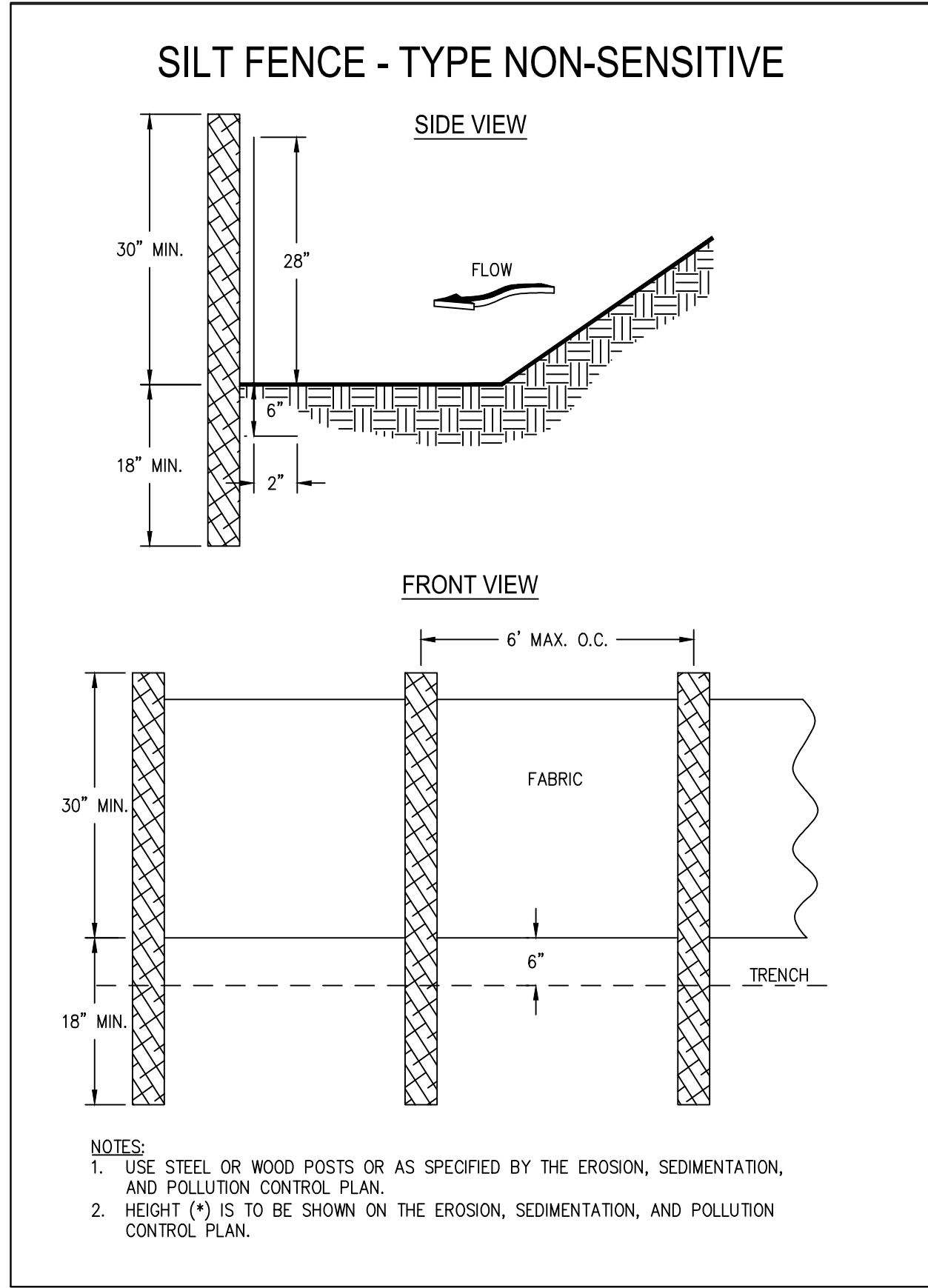
1 CONSTRUCTION EXIT Co



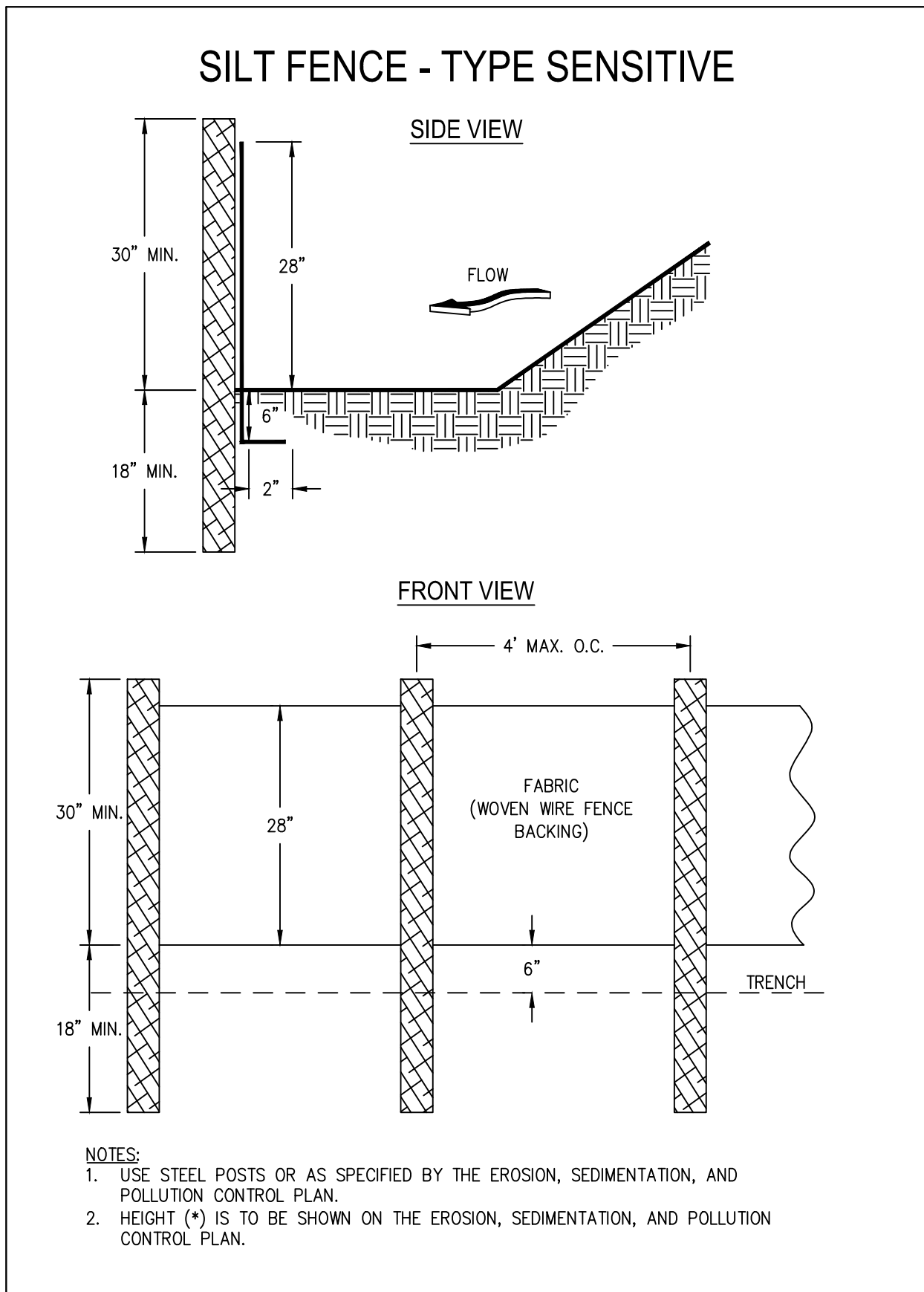
2 ROCK FILTER DAM (Rd)



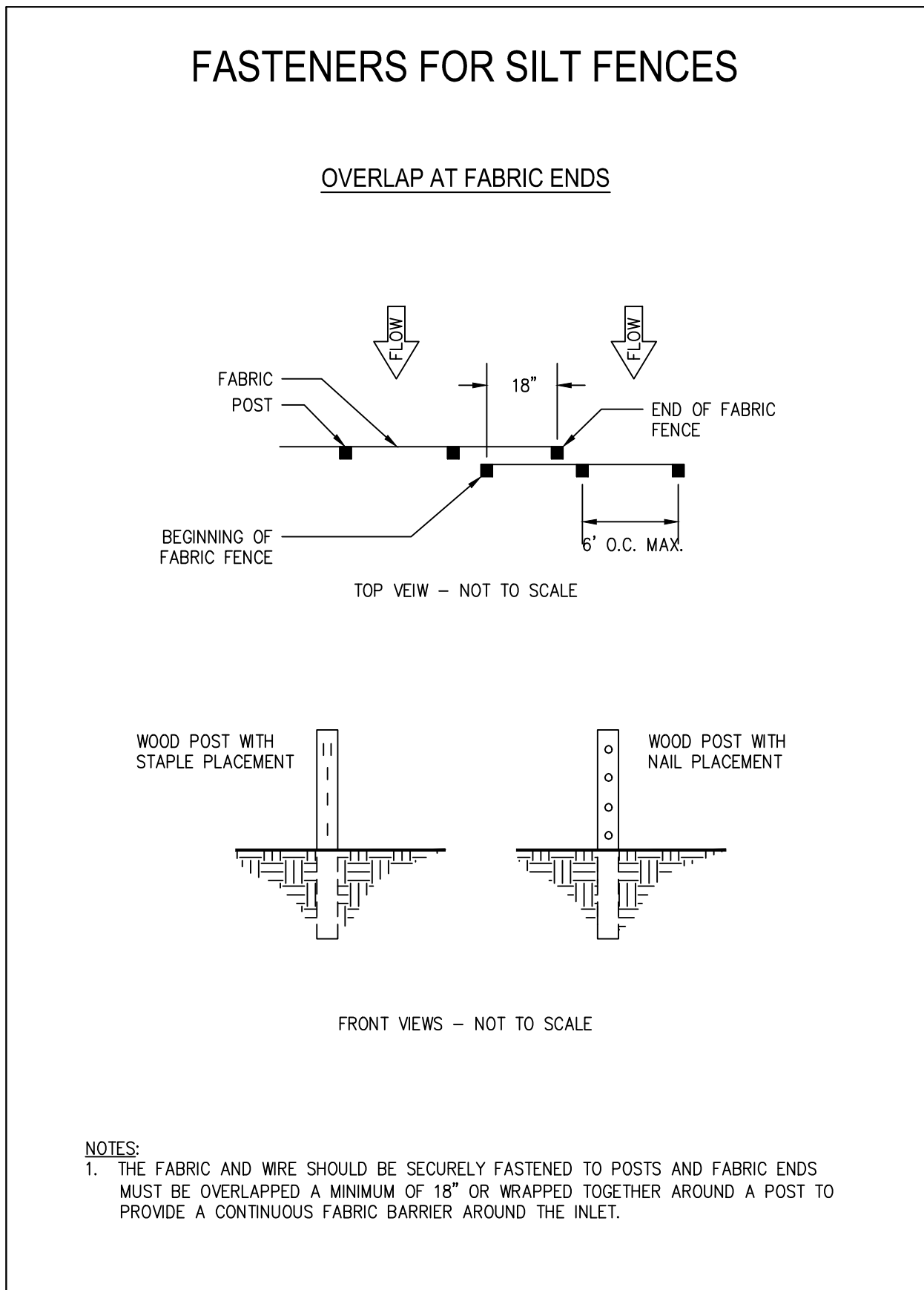
3 SEDIMENT BARRIER (BRUSH BARRIER) Sd1-BB



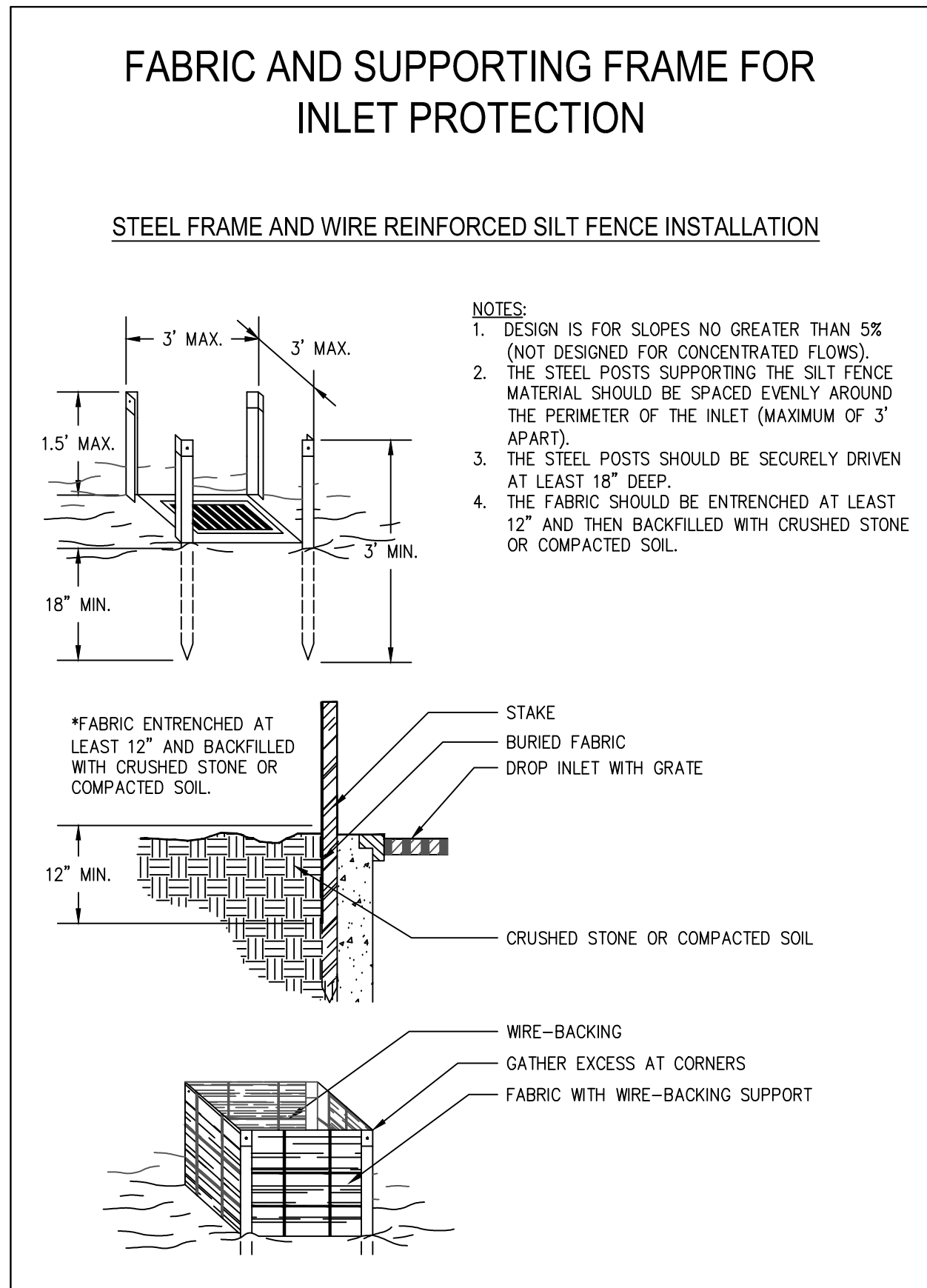
4 SEDIMENT BARRIER (NON-SENSITIVE) Sd1-NS



5 SEDIMENT BARRIER (SENSITIVE) Sd1-S



6 FASTENERS FOR SILT FENCE



7 INLET SEDIMENT TRAP (FILTER FABRIC) Sd2-F

NOTE:

1. ALL TEMPORARY CONSTRUCTION ROADS SHALL COMPLY WITH SPECIFICATIONS SET FORTH IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION, AS WELL AS ALL APPLICABLE STATE, FEDERAL, AND LOCAL CODES.
2. CONTRACTOR TO DESIGN TEMPORARY CONSTRUCTION ROAD AS NEEDED TO FACILITATE TRANSPORTATION OF CONSTRUCTION EQUIPMENT TO PROJECT SITE. ROADS SHALL BE LAID OUT ACCORDING TO GOOD LANDSCAPE MANAGEMENT PRINCIPLES AND TO KEEP LAND DISTURBANCE TO A MINIMUM.
3. TEMPORARY ROADBEDS SHALL BE AT LEAST FOURTEEN (14) FEET WIDE FOR ONE-WAY TRAFFIC AND TWENTY (20) FEET WIDE FOR TWO-WAY TRAFFIC. THE WIDTH FOR TWO-WAY TRAFFIC SHALL BE INCREASED APPROXIMATELY FOUR (4) FEET FOR TRAILER TRAFFIC. A MINIMUM SHOULDER WIDTH SHALL BE TWO (2) FEET ON EACH SIDE. WHERE TURNOUTS ARE USED, ROAD WIDTH SHALL BE INCREASED TO A MINIMUM OF TWENTY (20) FEET FOR A DISTANCE OF THIRTY (30) FEET.
4. TEMPORARY ROAD SHALL FOLLOW THE CONTOURS OF THE NATURAL TERRAIN TO MINIMIZE DISTURBANCE OF DRAINAGE PATTERNS.
5. TREES, STUMPS, ROOTS, BRUSH, WEEDS, AND OTHER OBJECTIONABLE MATERIALS SHALL BE REMOVED FROM THE WORK AREA.
6. ROADS AND PARKING AREAS MAY REQUIRE A PERIODIC TOP DRESSING OF GRAVEL TO MAINTAIN THE GRAVEL DEPTH AT SIX (6) INCHES.
7. VEGETATED AREAS SHOULD BE CHECKED PERIODICALLY TO ENSURE A GOOD STAND OF VEGETATION IS MAINTAINED.
8. REMOVE ANY SILT OR OTHER DEBRIS CAUSING CLOGGING OF ROADSIDE DITCHES OR OTHER DRAINAGE STRUCTURE.

8 CONSTRUCTION ROAD STABILIZATION Cr

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

William T. Roberts

Level II Certified Design Professional

CERTIFICATION NUMBER 0000070272

ISSUED: 01/31/2014 EXPIRES: 01/31/2017

24 HOUR CONTACT

(770) 270-6243

R2T RIVER TO TAP

1841 PEELER RD. UNIT C ATLANTA, GA 30338 PHONE: (678) 336-6732 WWW.R2TINC.COM

CLIENT: DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT DEKALB COUNTY, GEORGIA

PROJECT: SOUTH FORK PEACHTREE CREEK SANITARY SEWER REPLACEMENT LAND LOTS 63, 100, 102, 103, 113, 118, & 119 © 2010, R2T INC., DISTRICT 18

REV	DATE	DESCRIPTION
0	5/27/16	INITIAL ISSUE
1	12/9/16	REVIEW COMMENTS

STAMP: GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 26889 5/27/16

SHEET TITLE: 63 of 65

EROSION CONTROL DETAILS

ISSUED: 5.27.16

PROJECT NO.

SCALE: NONE

CHKD BY: A.R.

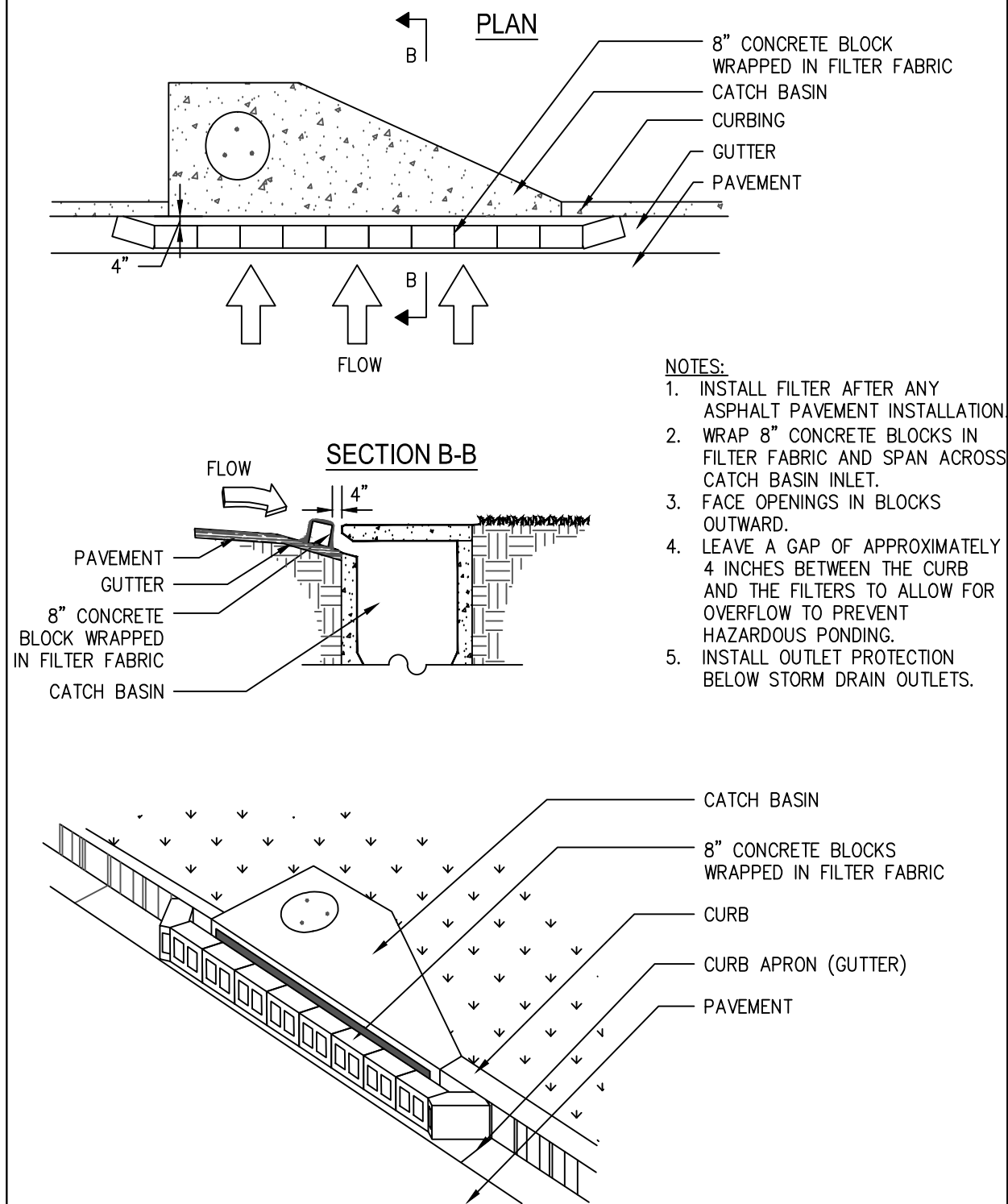
DESIGNED BY: J.J.

DRAWN BY: J.J.

C-47

P:\DeKalb Demand Services\Task 3 Detailed Design\Design\C-48 - C-48.dwg, PRINTED By: Jonathan Jones ON Mon, Dec 05, 2016 AT 10:53 AM

CURB INLET FILTER "PIGS IN BLANKET"

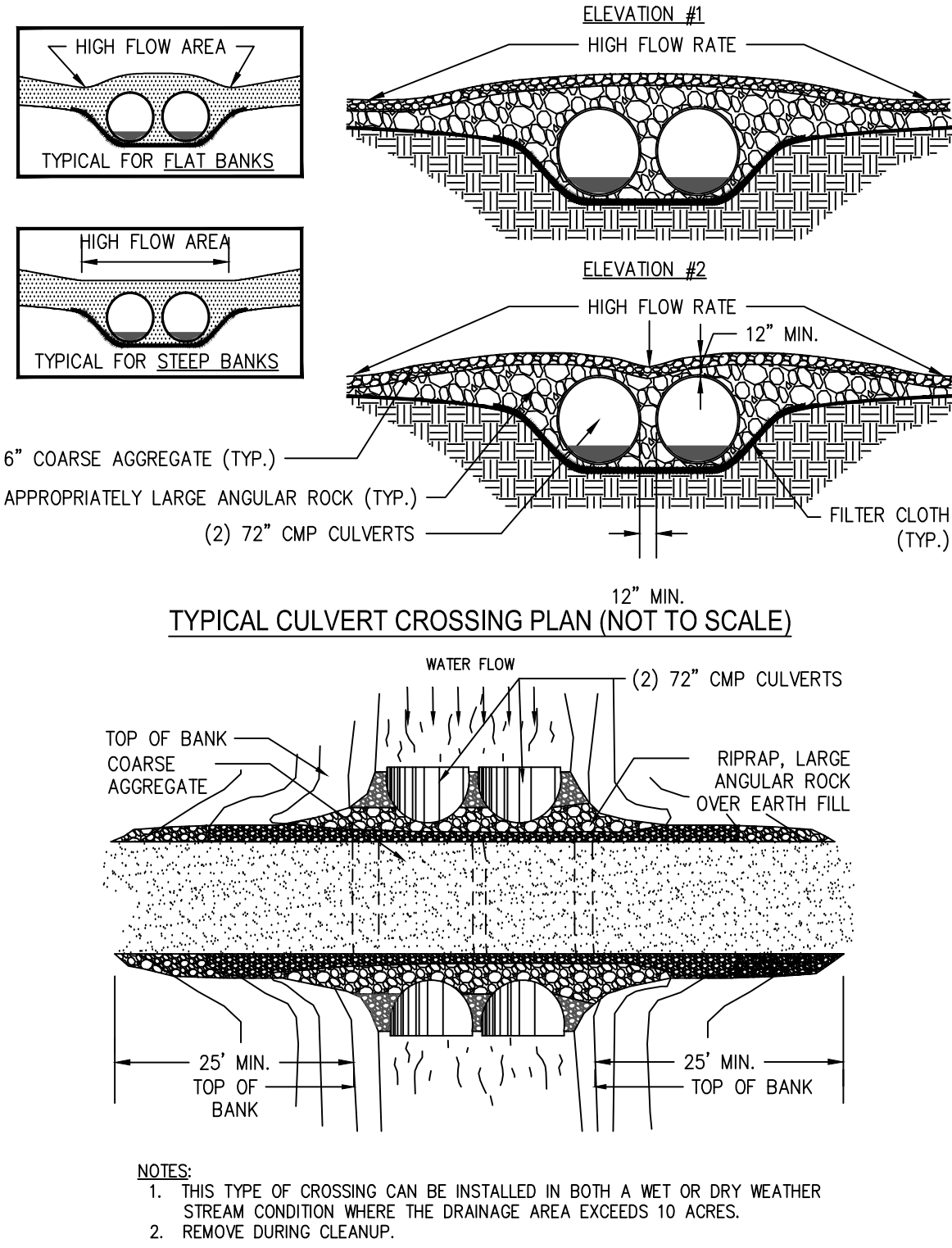


1 INLET SEDIMENT TRAP (CURB INLET PROTECTION) Sd2-P

TEMPORARY STREAM CROSSING

CONFIGURATION OF TEMPORARY CULVERT CROSSINGS

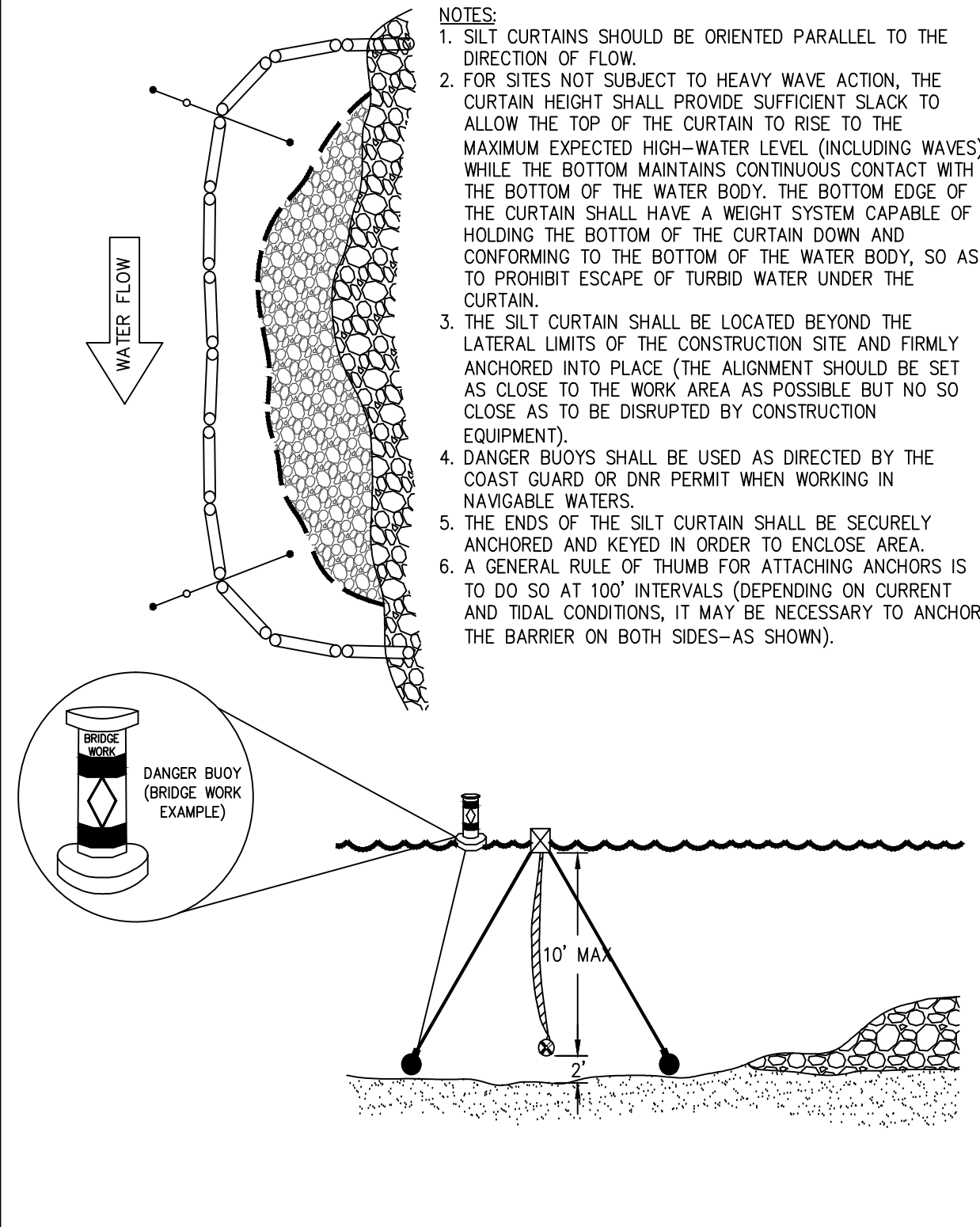
(SECTIONS - NOT TO SCALE)



2 TEMPORARY STREAM CROSSING (CULVERT) Sr-C

TURBIDITY CURTAIN SYSTEM

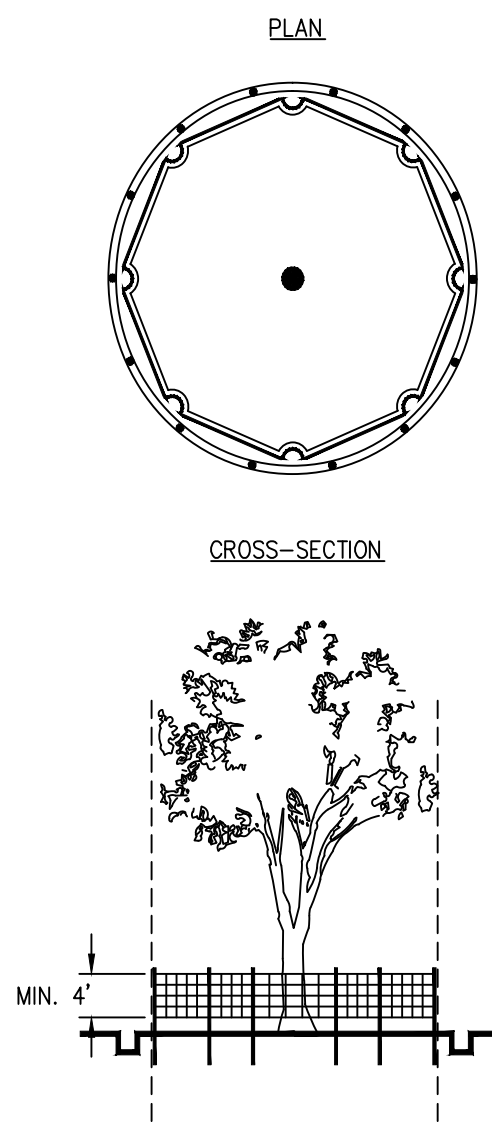
ANCHOR SYSTEM AND LAYOUT DETAILS



3 TURBIDITY CURTAIN Tc

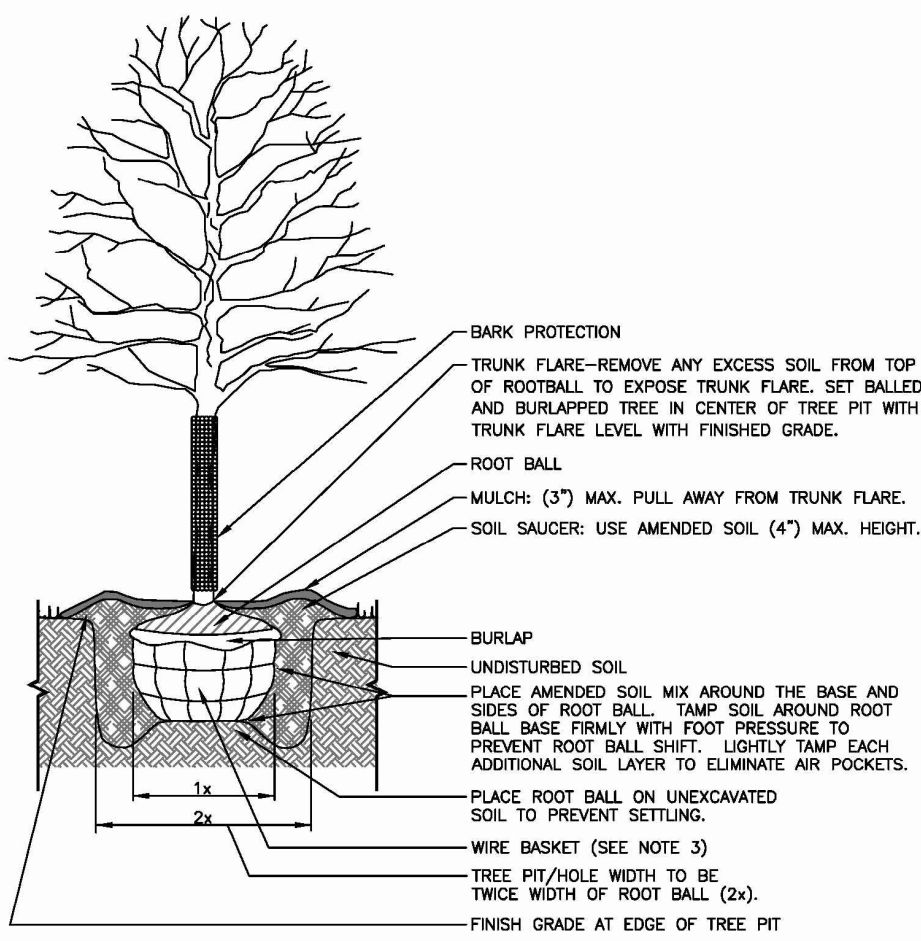
TREE PROTECTION

"SNOW" FENCE



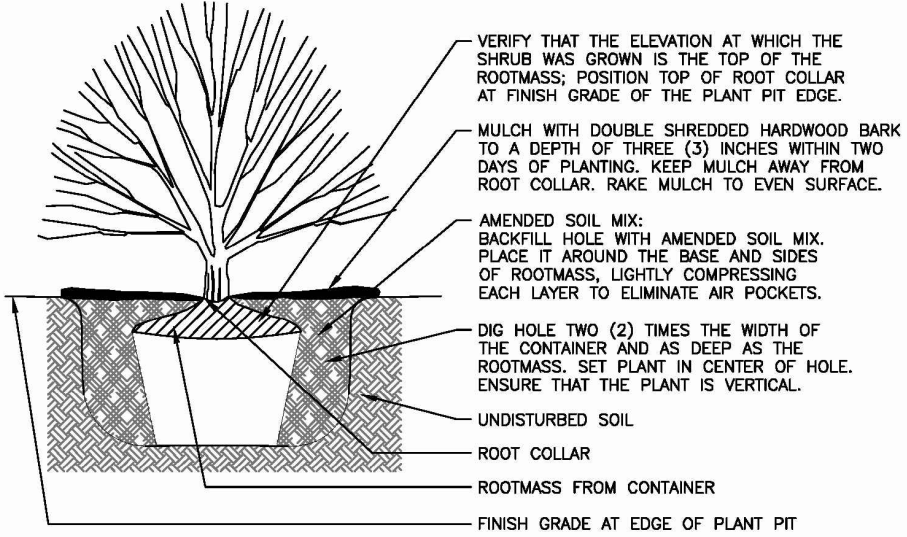
- NOTES:**
1. USE TRENCHER (I.E. DITCH WHICH) TO CUT A 4"-5" W X 18" D TRENCH ALONG DRIP LINE (LIMIT OF CLEARING) AND BACKFILL WITH SAND AND LIGHTLY COMPACT.
 2. SPACE STAKES AT INTERVALS SUFFICIENT TO MAINTAIN ALL FENCING OUT OF DRIP LINE OR AS SHOWN BY ENGINEER (SET STAKES NO GREATER THAN 6 FEET ON CENTER-REBAR IS NOT TO BE USED FOR STAKES).
 3. MAINTAIN FENCE BY REPAIRING AND/OR REPLACING DAMAGED FENCE. DO NOT REMOVE FENCING PRIOR TO LANDSCAPING OPERATIONS.
 4. DO NOT STORE OR STACK MATERIALS, EQUIPMENT, OR VEHICLES WITHIN FENCED AREA.
 5. FENCE SHALL BE ORANGE VINYL "SNOW FENCE" 4' HIGH MINIMUM.

4 TREE PROTECTION FENCING Tr



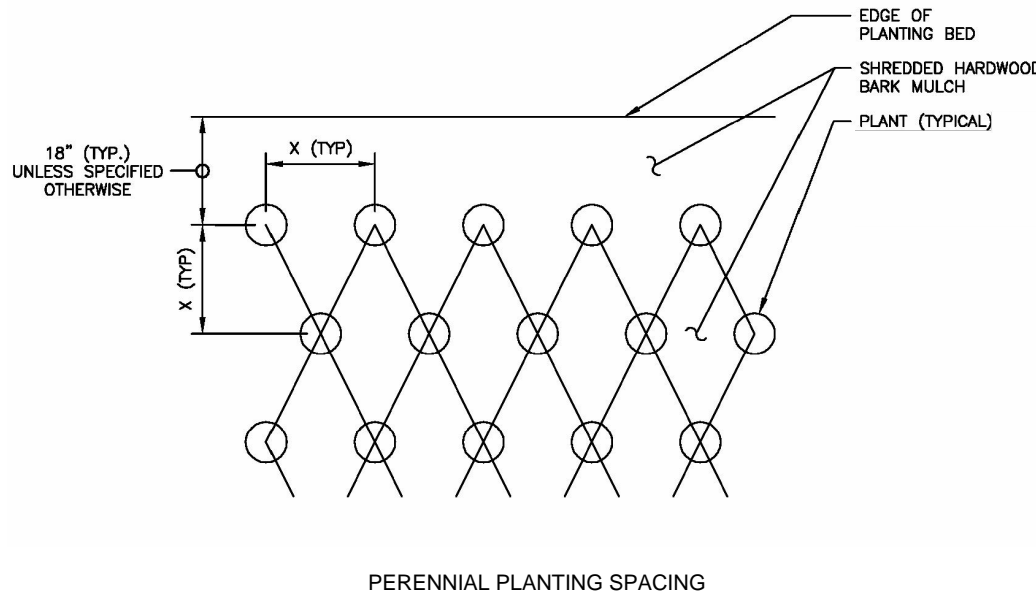
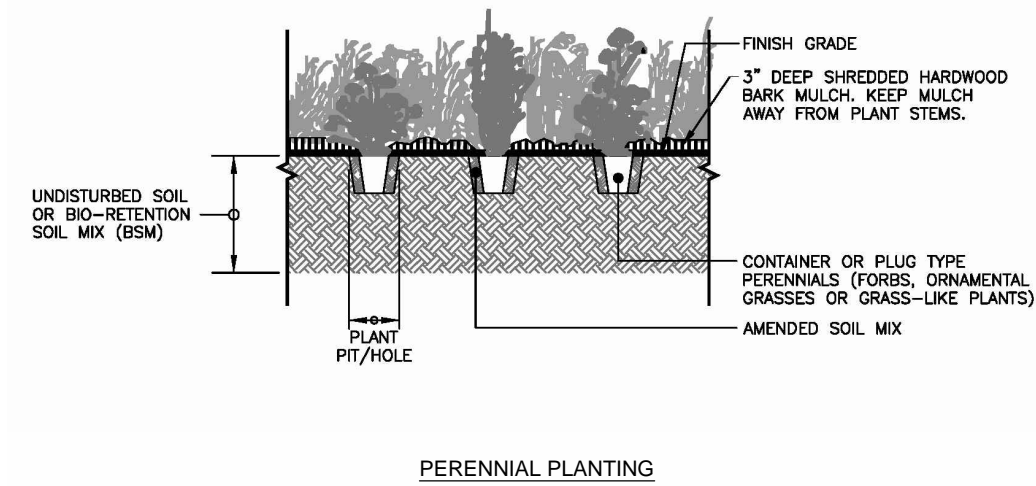
- NOTE:**
- 1) REMOVE ONLY BROKEN OR BRUISED BRANCHES WITH SUPERVISION FROM OWNER'S REPRESENTATIVE. PRUNE DAMAGED BRANCHES WITH A CLEAN CUT IN ACCORDANCE WITH TCIA (TREE CARE INDUSTRY ASSOCIATION) STANDARDS. NEVER CUT TREE LEADERS.
 - 2) WATER THOROUGHLY ONCE THE PLANTING PIT IS 2/3 BACKFILLED, ENSURING THAT THE WATER IS PENETRATING THE ENTIRE ROOT SYSTEM AND SETTLING THE SOIL TO ELIMINATE AIR POCKETS. ADD SOIL MIX UP TO FINISHED GRADE AS APPROPRIATE. WATER AFTER PLACING THE FINAL LAYER OF SOIL, SATURATING TO A DEPTH OF TWELVE (12) INCHES.
 - 3) CUT AND REMOVE TOP 2/3 OF WIRE BASKET AND BURLAP. REMOVE ALL TREE WRAP, TWINE, TUBING AND NURSERY TAGS FROM TREE. DO NOT DISCARD WASTE IN TREE PIT.
 - 4) INSTALL TREE BARK PROTECTOR (BG-36 BY A.M. LEONARD OR EQUIVALENT).
 - 5) MAINTENANCE OF TREES - THE OWNER SHALL BE RESPONSIBLE FOR MAINTAINING THE HEALTH OF ALL REPLACEMENT TREES FOR A PERIOD OF ONE YEAR FROM THE DATE OF PLANTING. THE OWNER SHALL REPLACE ANY TREE WHICH DIES DURING THIS TIME PERIOD.

5 TYPICAL TREE PLANTING



- NOTE:**
- 1) PRUNE ONLY BROKEN OR BADLY BRUISED STEMS OR BRANCHES WITH SUPERVISION BY OWNER'S REPRESENTATIVE.
 - 2) REMOVE PLANT FROM CONTAINER. BEFORE PLANTING, LOOSEN THE FIBROUS ROOTS AROUND THE PERIMETER OF THE ROOT MASS, CIRCLING ROOTS CONCENTRATED ALONG THE INSIDE SURFACE OF THE PLANT POT MUST BE TRIMMED WITH HAND PRUNERS. PLANTS WITH EXCESS CIRCLING ROOTS ARE UNACCEPTABLE AND WILL BE REJECTED.
 - 3) WATER THOROUGHLY ONCE THE HOLE BACKFILLED, ENSURING THAT THE WATER IS PENETRATING THE ENTIRE ROOT SYSTEM AND COMPACTING THE BACKFILL TO ELIMINATE AIR POCKETS. MAKE SURE THAT THE BACKFILLED SURFACE IS LEVEL WITH THE FINISHED GRADE.
 - 4) ANY EXCESS SOIL REMAINING SHALL BE UNIFORMLY SPREAD OR REMOVED FROM SITE AS DIRECTED BY OWNER'S REPRESENTATIVE.
 - 5) MAINTENANCE OF SHRUBS - THE OWNER SHALL BE RESPONSIBLE FOR MAINTAINING THE HEALTH OF ALL SHRUBS FOR A PERIOD OF ONE YEAR FROM THE DATE OF PLANTING. THE OWNER SHALL REPLACE ANY SHRUB WHICH DIES DURING THIS TIME PERIOD.

6 TYPICAL SHRUB PLANTING



- NOTE:**
- 1) DIG HOLES FOR CONTAINER OR PLUG TYPE PLANTS. PLANT PIT/HOLE TO BE TWICE THE WIDTH OF ROOT MASS AND AS DEEP AS ROOT MASS.
 - 2) LOOSEN FIBROUS ROOTS AROUND PERIMET OF CONTAINER'S ROOT MASS.
 - 3) PLACE THE PLANT'S ROOT MASS IN THE HOLES AND BACKFILL WITH AMENDED SOIL MIX.
 - 4) LIGHTLY COMPRESS THE BACKFILL TO REMOVE AIR POCKETS AND INCORPORATE THE ROOT MASS INTO THE BACKFILL.
 - 5) WATER THOROUGHLY TO SETTLE THE BACKFILL AND ELIMINATE AIR POCKETS.
 - 6) ANY EXCESS SOIL REMAINING SHALL BE UNIFORMLY SPREAD OR REMOVED FROM SITE AS DIRECTED BY OWNER'S REPRESENTATIVE.
 - 7) THE 18" OFFSET FROM THE EDGE IS THE MINIMUM DISTANCE WHEN PERENNIALS ARE PLANTED ALONG THE EDGE.

7 TYPICAL PERENNIAL PLANTING



GEORGIA SOIL AND WATER CONSERVATION COMMISSION

William T. Roberts

Level II Certified Design Professional

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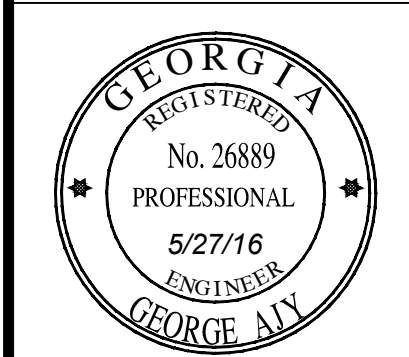
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ATLANTA, GA 30338
PHONE: (678) 336-6732
WWW.R2TINC.COM

CLIENT: DEKALB COUNTY
DEPARTMENT OF
WATERSHED
MANAGEMENT
DEKALB COUNTY, GEORGIA

PROJECT: SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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REV	DATE	DESCRIPTION
0	5/27/16	INITIAL ISSUE
1	12/9/16	REVIEW COMMENTS

STAMP:



SHEET TITLE: 64 of 65

EROSION
CONTROL
DETAILS

ISSUED: 5.27.16

PROJECT NO.

SCALE: NONE

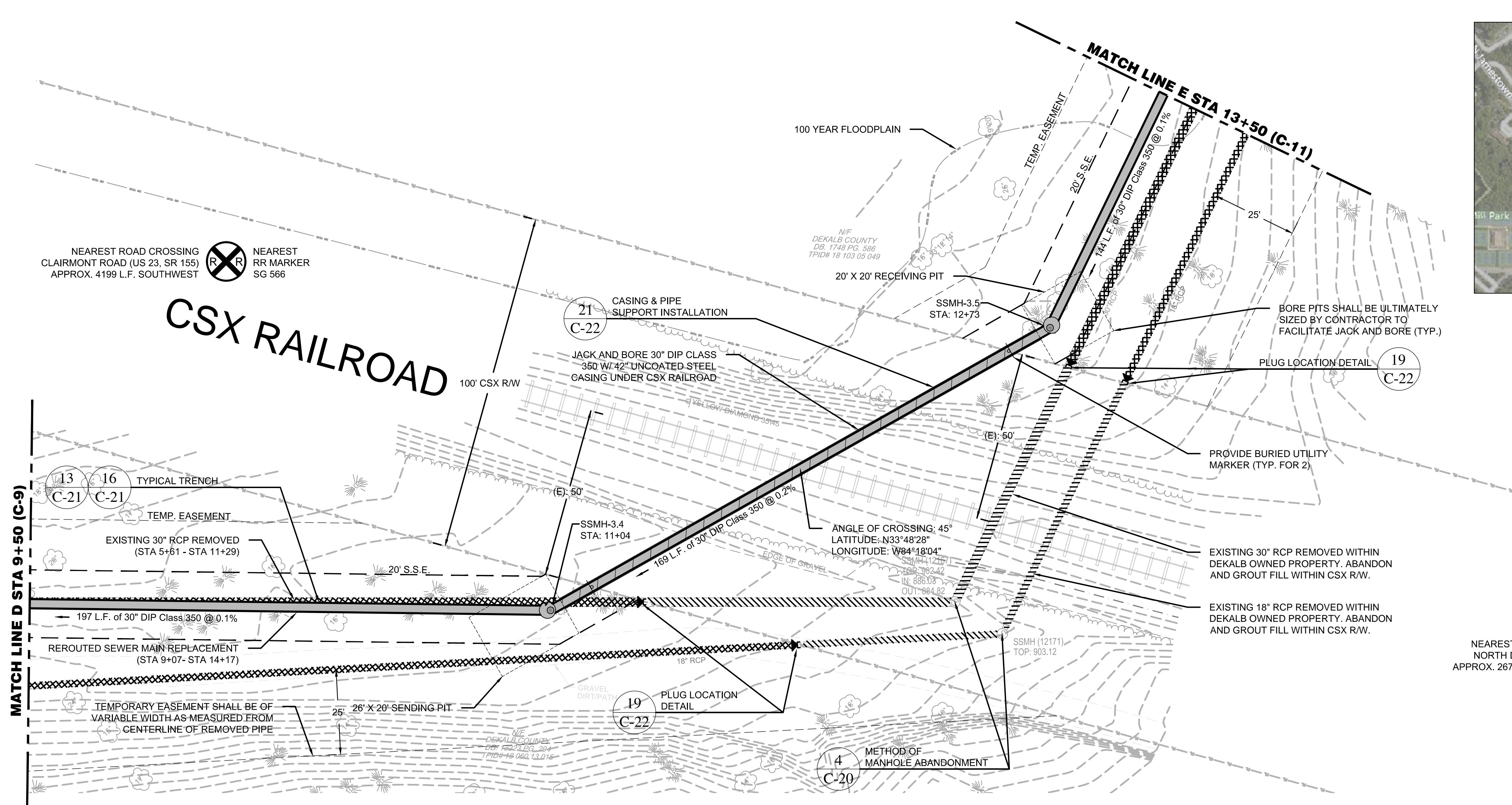
CHKD BY: A.R.

DESIGNED BY: J.J.

DRAWN BY: J.J.

C-48

1. ALL PROPOSED MANHOLES ARE TO PRECAST REINFORCED POLYMER CONCRETE MANHOLES.
2. SEWER MAIN SHALL BE REPLACED WITHIN THE EXISTING TRENCH ALIGNMENT UNLESS OTHERWISE NOTED. EXISTING SANITARY SEWER MANHOLES AND SEWER LINES SHALL BE REMOVED TO FACILITATE NEW CONSTRUCTION.
3. ABANDONED SEWER LINES SHALL BE PLUGGED AT BOTH ENDS.
4. SEWER MAINS SHALL HAVE A MINIMUM COVER OF FOUR (4) FEET.
5. BEDDING OF SEWER MAIN SHALL BE CLASS C UNLESS OTHERWISE NOTED. ALL SEWER MAINS WITHIN WETLANDS SHALL BE CLASS B.
6. AN INSIDE DROP CONNECTION SHALL BE PROVIDED FOR ANY SANITARY SEWER LINE ENTERING A MANHOLE AT AN ELEVATION OF MORE THAN TWO (2) ABOVE THE MANHOLE INVERT. NO OUTSIDE DROP CONNECTIONS ARE ALLOWED.
7. CONTRACTOR TO CLEAR ALL GRASS AND STABILIZE RECORDED LIMITS OF UTILITY EASEMENT. EASEMENT SHALL BE PERMANENTLY STABILIZED.
8. DURING LAND DISTURBING ACTIVITIES, STEAM BUFFERS SHALL BE CLEARLY DEMARCATED AND PROTECTED DURING CONSTRUCTION.
9. STREAM BED RESTORATION AND STABILIZATION SHALL BE CONDUCTED IN ACCORDANCE WITH THE ESCP, C-31; STREAM BED RESTORATION SHALL MEET OR EXCEED DOCUMENTED BEST PRACTICE CONSTRUCTION CONDITIONS.
10. THE CONTRACTOR SHALL ONLY CLEAR AREAS WITHIN THE TEMPORARY CONSTRUCTION EASEMENT AS REQUIRED TO COMPLETE THE WORK. NO GRUBBING IS ALLOWED WITHIN THE TEMPORARY CONSTRUCTION EASEMENT.



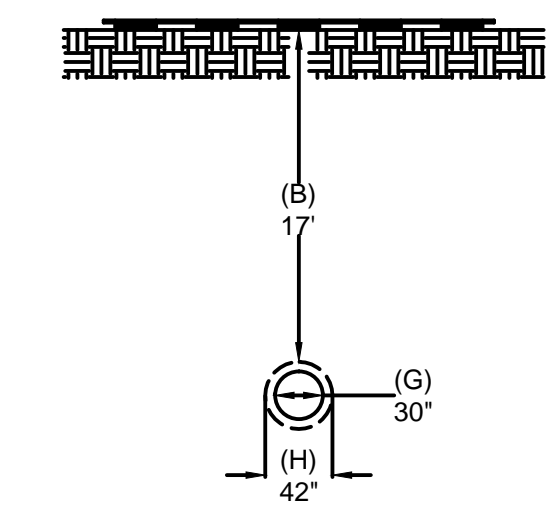
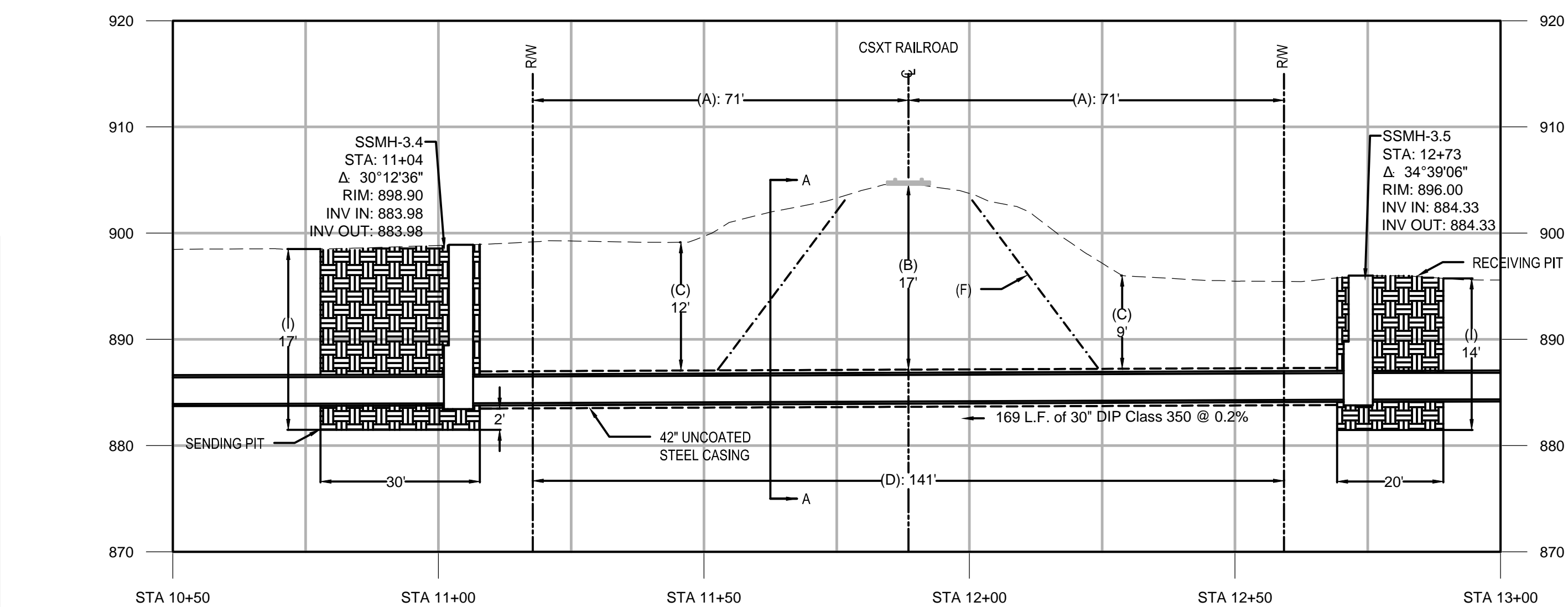
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**DEKALB COUNTY
DEPARTMENT OF
WATERSHED
MANAGEMENT**
DEKALB COUNTY, GEORGIA

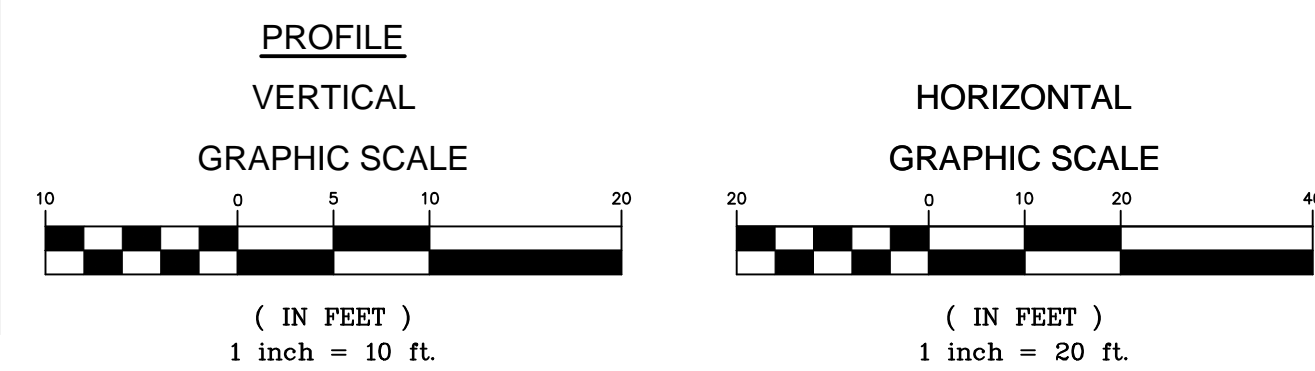
PROJECT: SOUTH FORK
PEACHTREE CREEK
SANITARY SEWER
REPLACEMENT
LAND LOTS 63, 100, 102, 103, 113, 118, & 119
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1. CONTRACTOR TO INSTALL NECESSARY SHEETING, SHORING AND/OR BRACING AS REQUIRED FOR PROPOSED SANITARY SEWER SYSTEM INSTALLATION. ADDITIONAL MEASURES FOR DEWATERING AND SOILS STABILIZATION MAY BE REQUIRED AT DIRECTION OF CSXT CHIEF ENGINEER. ALL INSTALLATION SHALL BE EXECUTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND MUST ADHERE TO ALL REQUIRED PERMITTED AND REGULATORY REQUIREMENTS, INCLUDING BUT NOT LIMITED TO, CSX, OSHA, USACE, AND GAEPD.
2. CONTRACTOR TO REFERENCE CSXT PIPELINE SPECIFICATIONS FOR INSTALLATION WITHIN CSXT RIGHT-OF-WAY.
3. ALL CSXT COSTS ASSOCIATED WITH THE PIPE INSTALLATION (INSPECTION, FLAGGING, TRACK WORK, PROTECTION OF SIGNAL CABLES, ETC.) SHALL BE REBURIED TO CSXT BY THE OWNER OF THE FACILITY.
4. ABANDONED PIPELINES SHALL BE COMPLETELY FILLED WITH CEMENT GROUT, AS APPROVED BY CSXT.
5. ABANDONED MANHOLES SHALL BE REMOVED TO A MINIMUM DEPTH OF 2 FEET BELOW FINISHED GRADE AND COMPLETELY FILLED WITH CEMENT GROUT, AS APPROVED BY CSXT.
6. THE FRONT OF THE CASING PIPE SHALL BE PROVIDED WITH MECHANICAL ARRANGEMENTS OR DEVICES THAT WILL POSITIVELY PREVENT THE AUGER FROM LEADING THE PIPE SO THAT NO UNSUPPORTED EXCAVATION IS AHEAD OF THE PIPE. SEE CSXT PIPELINE SPECS. PAGE 23, A), ii) (c)
7. CASING PIPE ENDS MUST BE SEALED. SEE CSXT PIPELINE SPECS. PAGE 19, E)

CSX PERMIT 779072		PIPELINE CONTENT DETAILS		
		COMMODITY DESCRIPTION:	42" STEEL CASING INSTALLED W/ 30" DIP CARRIER	
		MAXIMUM OPERATING PRESSURE:	N/A; NON-PRESSURE SEWER	
		IS COMMODITY FLAMMABLE:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
LEGEND		CARRIER/CASING PIPE DETAILS		
LETTER	DESCRIPTION		CARRIER PIPE	CASING PIPE
(A)	DISTANCE FROM CENTERLINE OF TRACK TO CSX R/W	PIPE MATERIAL:	30" DUCTILE IRON PIPE	42" STEEL PIPE
(B)	DISTANCE FROM BASE-OF-RAIL TO TOP-OF-CASING	MATERIAL SPECIFICATION & GRADE:	ANSI A21.50/A21.51, CLASS 350	ASTM A134 OR ASTM A139
(C)	DISTANCE FROM BASE-OF-DITCH TO TOP-OF-CASING	SPECIFIED MINIMUM YIELD STRENGTH:	42,000 PSI	35,000 PSI
(D)	TOTAL LENGTH OF PIPE ON CSX R/W	NOMINAL SIZE OUTSIDE DIAMETER (INCHES):	30	42
(E)	DISTANCE FROM CENTERLINE OF NEAREST TRACK TO FACE OF PITS AT A 90 DEGREE ANGLE TO THE TRACK(S)	WALL THICKNESS (INCHES):	0.490	0.625
		TYPE OF SEAM:	---	---
(F)	THEORETICAL EMBANKMENT LINE: STARTS 12' FROM CENTERLINE OF TRACK AND EXTENDS AWAY FROM TRACK AT A SLOPE OF 1.5' OVER AND 1' DOWN	TYPE OF JOINTS:	MECHANICAL JOINT	WELDED
		TUNNEL LINER PLATES REQUIRED:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
(G)	CARRIER PIPE DIAMETER	CATHODIC PROTECTION:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	TYPE: _____
(H)	CASING PIPE DIAMETER	PROTECTIVE COATING:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	TYPE: _____
(I)	DEPTH OF LAUNCHING/RECEIVING PIT	TEMP. TRACK SUPPORT OR RIP-RAP REQ.:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	MUST DESCRIBE & SHOW ON DWG.



SECTION VIEW (STA 11+89)
SCALE: 1" = 20' (HORZ.)
1" = 10' (VERT.)



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SHEET TITLE: 65 of 65

CSXT PERMIT

ISSUED: 5.27.16

PROJECT NO. _____

SCALE: 1" = 20'

DESIGNED BY: J. J.

DESIGNED BY: J.J.

DRAWN BY: J.J.

C 40