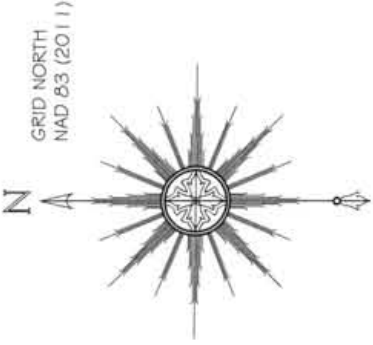
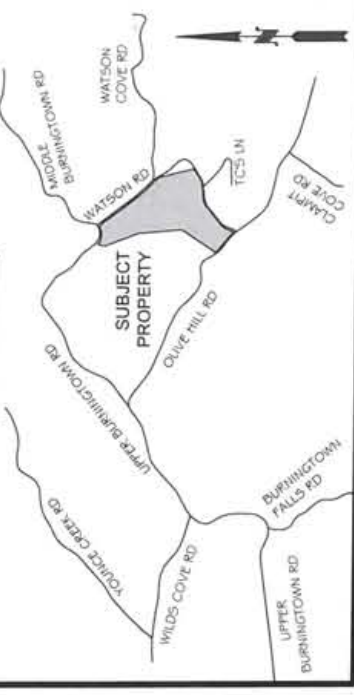


AN AS-BUILT SURVEY FOR: RESOURCE ENVIRONMENTAL SOLUTIONS, LLC. "COCHRAN BRANCH PROJECT"

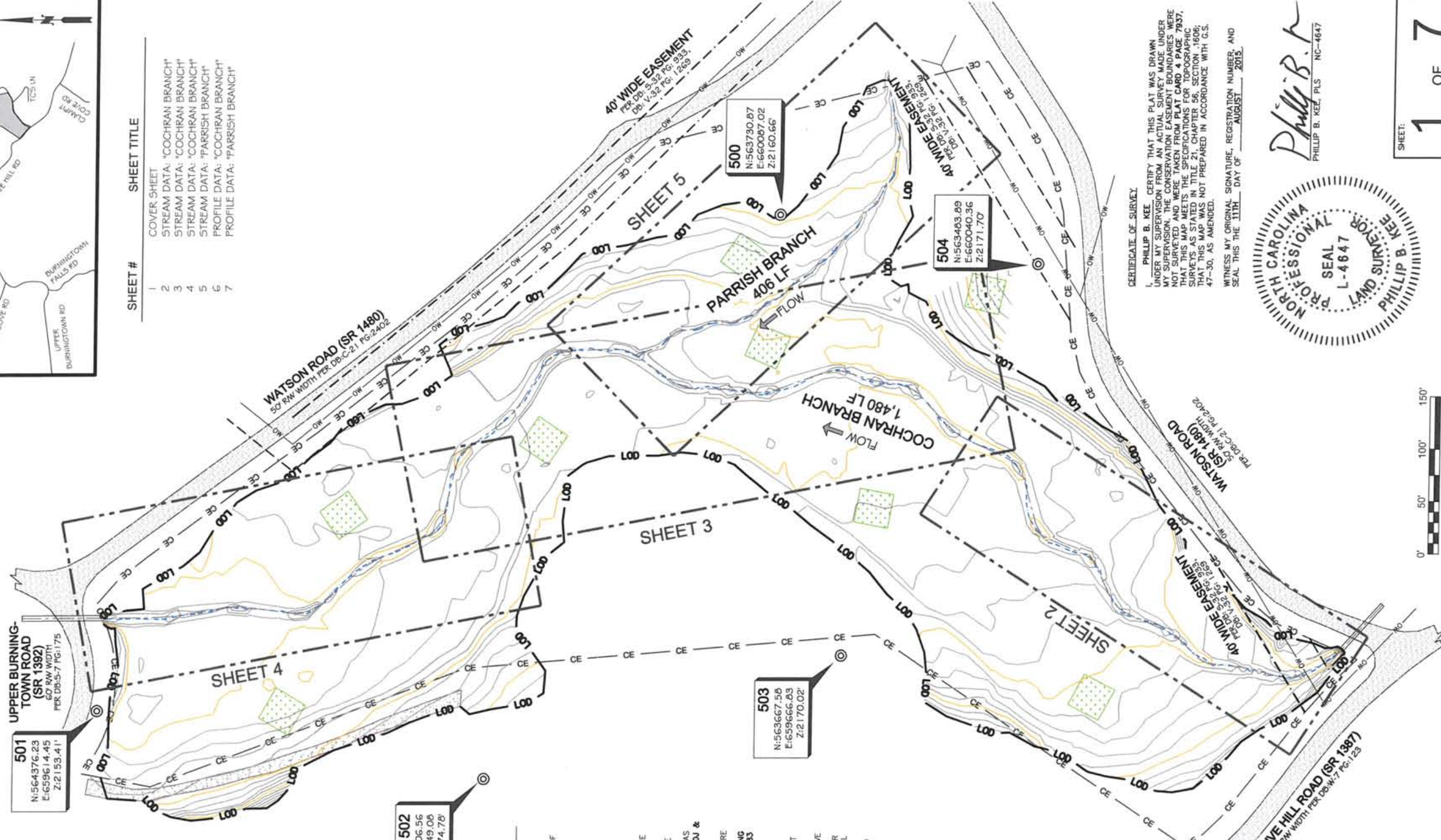


VICINITY MAP (NOT TO SCALE)



SHEET # SHEET TITLE

- | SHEET # | COVER SHEET |
|---------|--------------------------------|
| 1 | COVER SHEET |
| 2 | STREAM DATA: "COCHRAN BRANCH" |
| 3 | STREAM DATA: "COCHRAN BRANCH" |
| 4 | STREAM DATA: "COCHRAN BRANCH" |
| 5 | STREAM DATA: "PARRISH BRANCH" |
| 6 | PROFILE DATA: "COCHRAN BRANCH" |
| 7 | PROFILE DATA: "PARRISH BRANCH" |



SURVEYOR'S NOTES:

- ALL DISTANCES ARE GROUND MEASUREMENTS IN US SURVEY FEET UNLESS OTHERWISE NOTED.
- PROPERTY SUBJECT TO ALL EASEMENTS, RIGHT OF WAYS AND RESTRICTIONS THAT ARE RECORDED, UNRECORDED, WRITTEN AND UNWRITTEN.
- CONSERVATION EASEMENT BOUNDARIES SHOWN HEREON WERE TAKEN FROM A PLAT OF SURVEY ENTITLED: "A CONSERVATION EASEMENT SURVEY FOR STATE OF NORTH CAROLINA, ECOSYSTEM ENHANCEMENT PROGRAM", PREPARED BY KEE MAPPING & SURVEYING, DATED 12/05/14, AND RECORDED IN THE PLAT CARD 4 PG: 7837 IN THE MACON COUNTY REGISTRY.
- BY GRAPHIC DETERMINATION, NO PORTION OF THE SUBJECT PROPERTY APPEARS TO LIE WITHIN A SPECIAL FLOOD HAZARD AREA (SFHA) ZONE AE AS DETERMINED BY THE F.E.M.A. MAP#S 3700655600J & 3700656600J DATED 05/04/09.
- STATE PLANE COORDINATES AND ELEVATIONS WERE DERIVED FROM THE EXISTING CONDITIONS TOPOGRAPHIC SURVEY PREPARED BY KEE MAPPING & SURVEYING. THE HORIZONTAL DATUM IS NAD 83 (2011) AND THE VERTICAL DATUM IS NAVD(88). ALL COORDINATES SHOWN HEREON ARE GROUND MEASUREMENTS IN US SURVEY FEET.
- CROSS SECTION PROFILES ARE SHOWN FROM LEFT TO RIGHT BANK.
- UTILITIES WERE LOCATED BASED ON VISIBLE ABOVE GROUND STRUCTURES, THEREFORE THE LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE OR MAY BE PRESENT AND NOT SHOWN HEREON. CALL 1-800-632-4849 BEFORE DIGGING.
- STATIONING FOR PLAN AND PROFILES ARE BASED OFF OF DESIGN CENTERLINES PROVIDED BY WOLF CREEK ENGINEERING.
- CONTOUR INTERVAL: 1 FOOT
VERTICAL DATUM: NAVD 88
- LIMITS OF DISTURBANCE AREA: 7.45 ACRES

LEGEND

- STRUCTURE INVERT & SHOT LOCATION
- CROSS-SECTION REBAR W/ CAP
- EXISTING IPC IN CONCRETE
- MONITORING GAUGE (AS NOTED)
- LOG STRUCTURE (AS NOTED)
- BOULDER STRUCTURE (AS NOTED)
- PHOTO POINT
- BRUSH TOE/ ROOT WAD
- DECIDUOUS TREE (AS NOTED)
- UTILITY POLE
- VEGETATION PLOT (VP)
- RIFLE
- POOL
- BRUSH TOE
- WET AREA
- RIPRAP
- ASPHALT
- SOIL ROADBED
- CONSERVATION EASEMENT
- MINOR CONTOUR
- MAJOR CONTOUR
- EDGE OF WATER
- EASEMENT
- LIMITS OF DISTURBANCE
- THALWEG
- TOP OF BANK
- DESIGN CENTERLINE
- OVERHEAD WIRE
- NOT TO SCALE (NTS)
- INVERT
- ELEVATION
- CMP
- IPC
- EXISTING IRON PIPE W/ "KEE" CAP
- NAD
- NORTH AMERICAN DATUM
- SFC
- NORTH AMERICAN VERTICAL DATUM
- DB
- DEED BOOK
- PG

CERTIFICATE OF SURVEY

PHILLIP B. KEE CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION. THE CONSERVATION EASEMENT BOUNDARIES WERE NOT SURVEYED AND WERE TAKEN FROM PLAT CARDS PARRISH 1937, COCHRAN 1937, AND PARRISH 1937. THIS MAP MEETS THE SPECIFICATIONS FOR TOPOGRAPHIC SURVEYS AS STATED IN TITLE 21, CHAPTER 56, SECTION 1606; THAT THIS MAP WAS NOT PREPARED IN ACCORDANCE WITH G.S. 47-30, AS AMENDED.

WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER, AND SEAL THIS THE 11TH DAY OF AUGUST, 2015.



Phillip B. Kee
PHILLIP B. KEE, PLS NC-4647

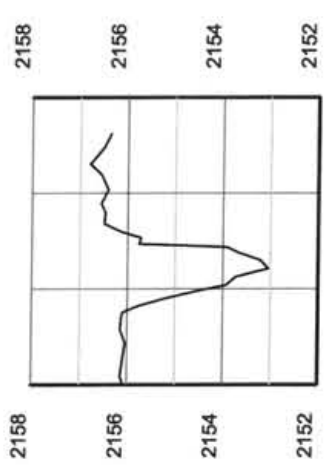
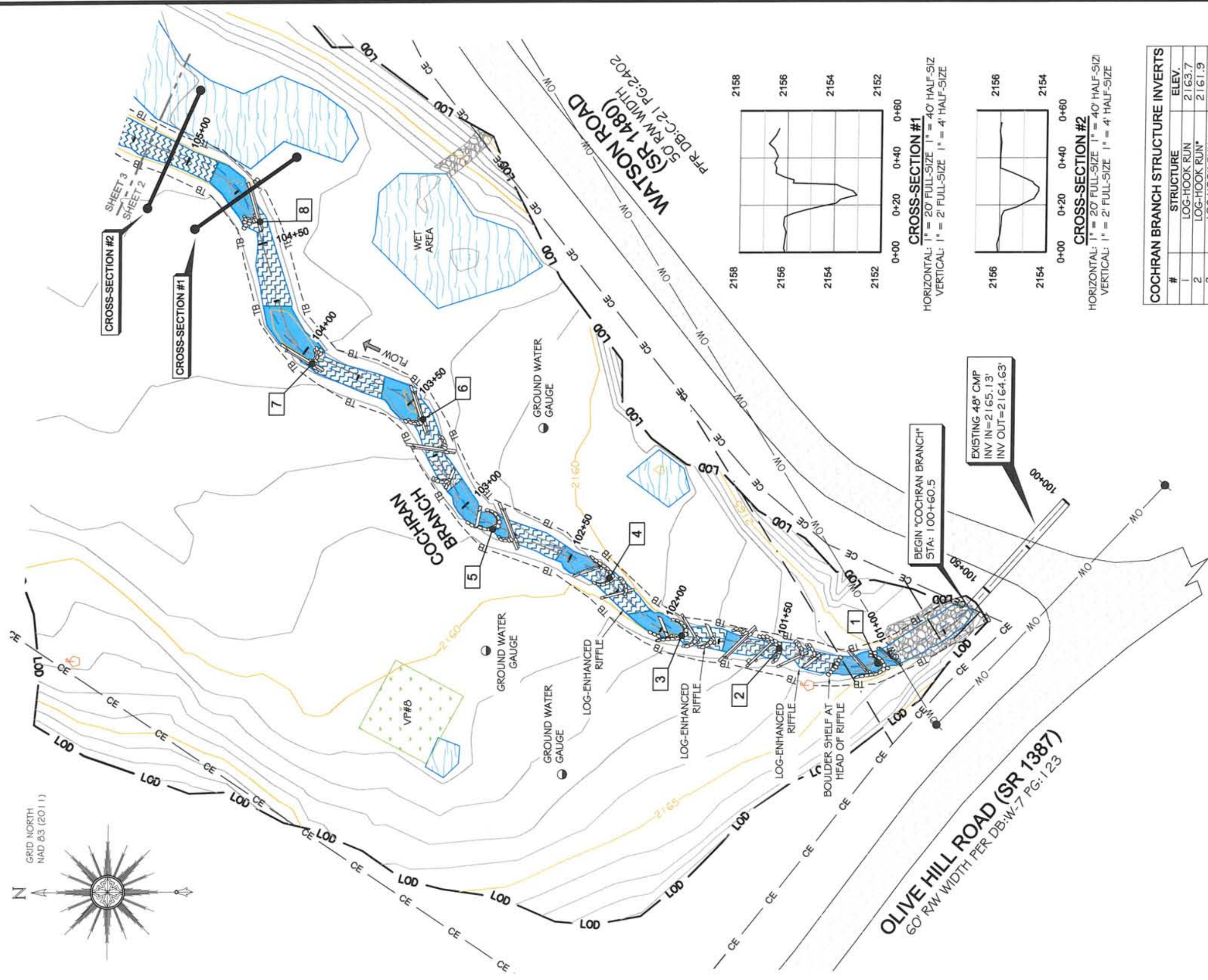
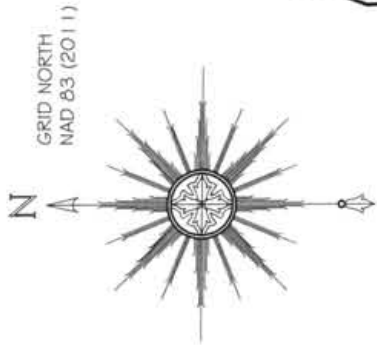
SHEET: 1 OF 7



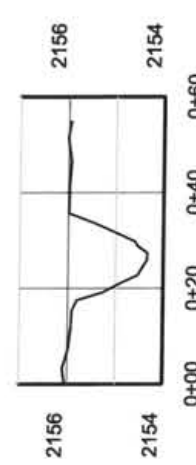
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THIS MAP IS NOT FOR RECORDATION, SALES, OR CONVEYANCES AND DOES NOT COMPLY WITH G.S. 47-30 MAPPING REQUIREMENTS.





CROSS-SECTION #1
 HORIZONTAL: 1" = 20' FULL-SIZE 1" = 40' HALF-SIZ
 VERTICAL: 1" = 2' FULL-SIZE 1" = 4' HALF-SIZE



CROSS-SECTION #2
 HORIZONTAL: 1" = 20' FULL-SIZE 1" = 40' HALF-SIZ
 VERTICAL: 1" = 2' FULL-SIZE 1" = 4' HALF-SIZE

COCHRAN BRANCH STRUCTURE INVERTS	
#	STRUCTURE ELEV.
1	LOG-HOOK RUN 2163.7
2	LOG-HOOK RUN* 2161.9
3	LOG-HOOK RUN 2160.2
4	LOG-HOOK RUN 2158.9
5	LOG-HOOK RUN 2157.4
6	LOG VANE W/ HOOK 2156.3
7	LOG VANE W/ HOOK 2155.6
8	LOG VANE W/ HOOK 2155.1



AN AS-BUILT SURVEY FOR:

RESOURCE ENVIRONMENTAL SOLUTIONS, LLC

PROJECT:
COCHRAN BRANCH

SHEET TITLE:
STREAM DATA: COCHRAN BRANCH

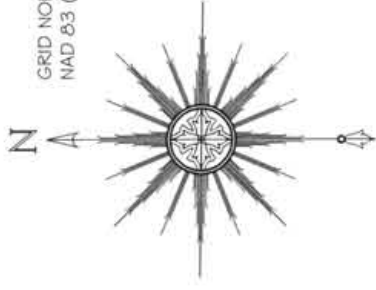
NOTE: SEE SHEET #1 FOR SURVEYOR'S NOTES & LEGEND

TOWNSHIP		COUNTY		STATE	
BURNINGTOWN	MACON	NORTH CAROLINA			
DRAWN BY:	CHECKED BY:	SURVEY BY:	SURVEY DATES:		
EC/ANH	PKB	JH	06/12/15 - 06/24/15		
SCALE:	SHEET SIZE:	JOB:	SHEET:		
AS SHOWN	22" X 34"	#150875-AB	2 OF 7		
#	DATE	REVISIONS	#	DATE	REVISIONS

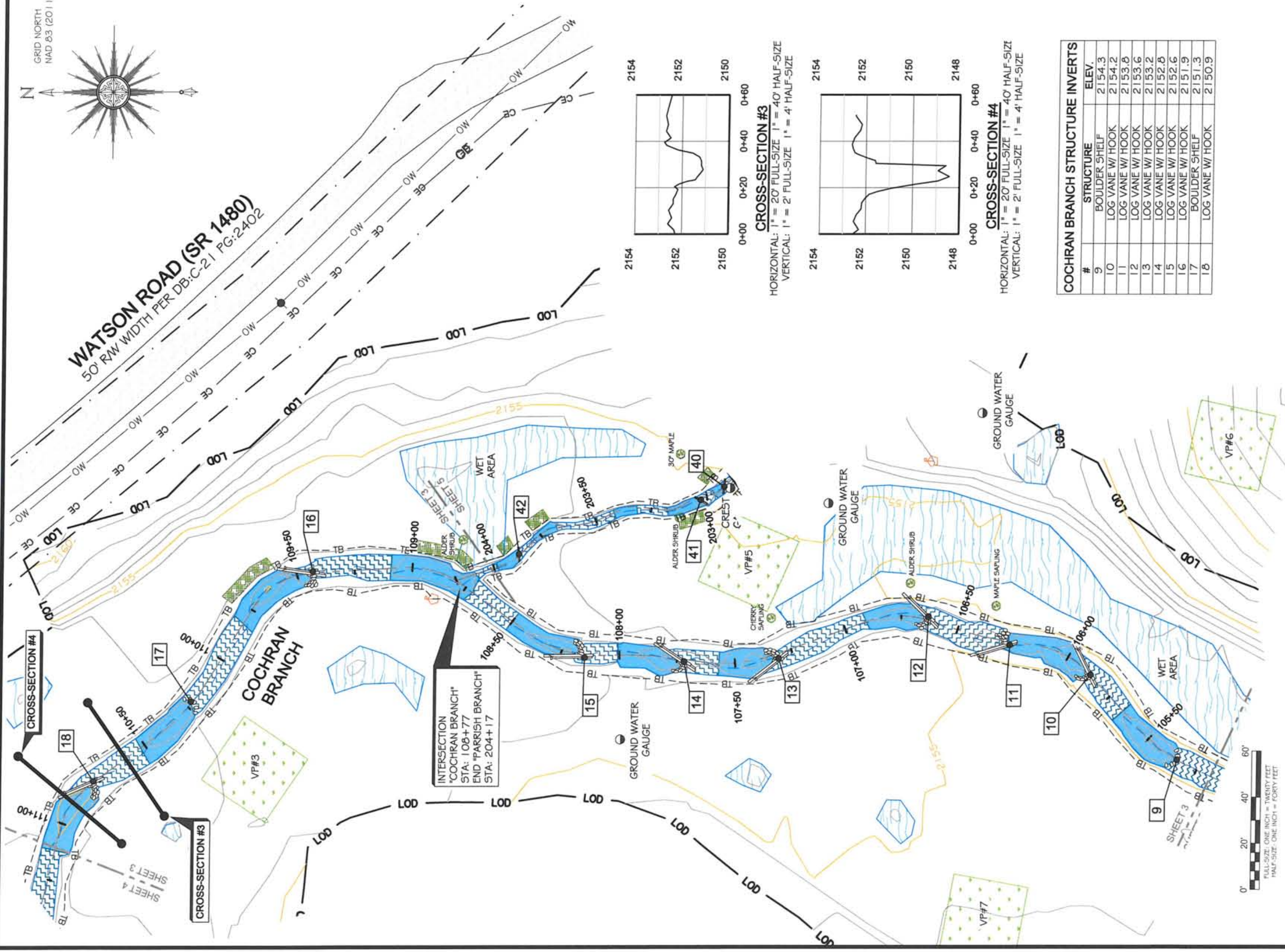
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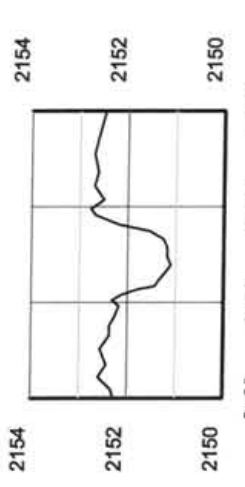
GRID NORTH
NAD 83 (2011)



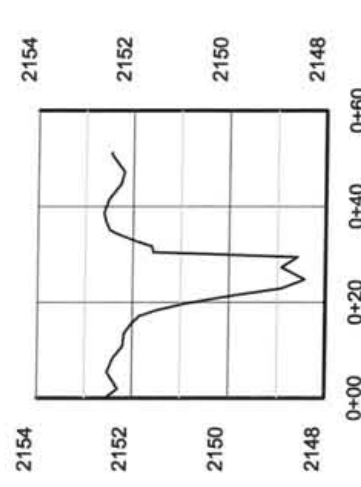
WATSON ROAD (SR 1480)
50' RW WIDTH PER DB:C-21 PG:2402



INTERSECTION
"COCHRAN BRANCH"
STA: 108+77
END "PARRISH BRANCH"
STA: 204+17

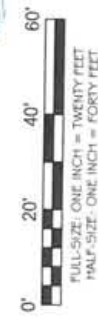


CROSS-SECTION #3
HORIZONTAL: 1" = 20' FULL-SIZE 1" = 40' HALF-SIZE
VERTICAL: 1" = 2' FULL-SIZE 1" = 4' HALF-SIZE



CROSS-SECTION #4
HORIZONTAL: 1" = 20' FULL-SIZE 1" = 40' HALF-SIZE
VERTICAL: 1" = 2' FULL-SIZE 1" = 4' HALF-SIZE

#	STRUCTURE	ELEV.
9	BOULDER SHELF	2154.3
10	LOG VANE W/ HOOK	2154.2
11	LOG VANE W/ HOOK	2153.8
12	LOG VANE W/ HOOK	2153.6
13	LOG VANE W/ HOOK	2153.2
14	LOG VANE W/ HOOK	2152.8
15	LOG VANE W/ HOOK	2152.6
16	LOG VANE W/ HOOK	2151.9
17	BOULDER SHELF	2151.3
18	LOG VANE W/ HOOK	2150.9



NOTE: SEE SHEET #1 FOR SURVEYOR'S NOTES & LEGEND

TOWNSHIP:	BURNINGTOWN	COUNTY:	MACON	STATE:	NORTH CAROLINA
DRAWN BY:	PKB	CHECKED BY:	JH	SURVEY BY:	JH
EC/AN:	SCALE	AS SHOWN	22' X 34"	JOB #	#150675-AB
DATE	06/12/15	SHEET	3 OF 7	DATE	06/24/15
REVISIONS		REVISIONS		REVISIONS	

AN AS-BUILT SURVEY FOR:
RESOURCE ENVIRONMENTAL SOLUTIONS, LLC

PROJECT:
COCHRAN BRANCH
SHEET TITLE:
STREAM DATA: COCHRAN BRANCH

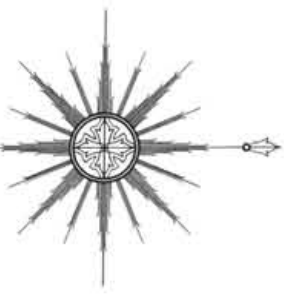


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UPPER BURNING-TOWN ROAD (SR 1392)
60' RW WIDTH PER DB:5-7 PG:175

GRID NORTH
NAD 83 (2011)

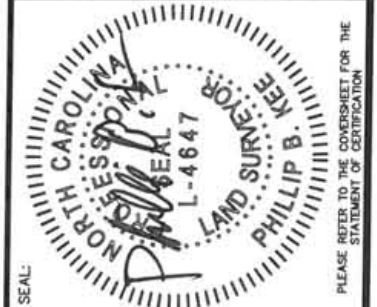
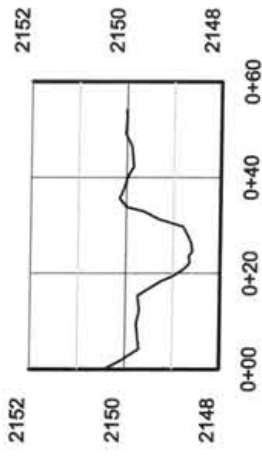
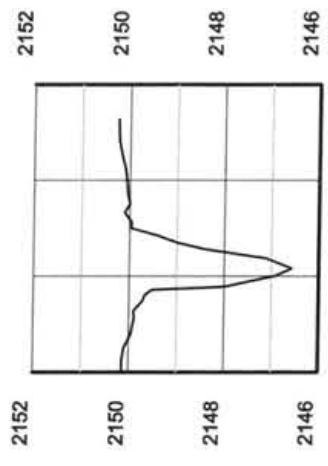
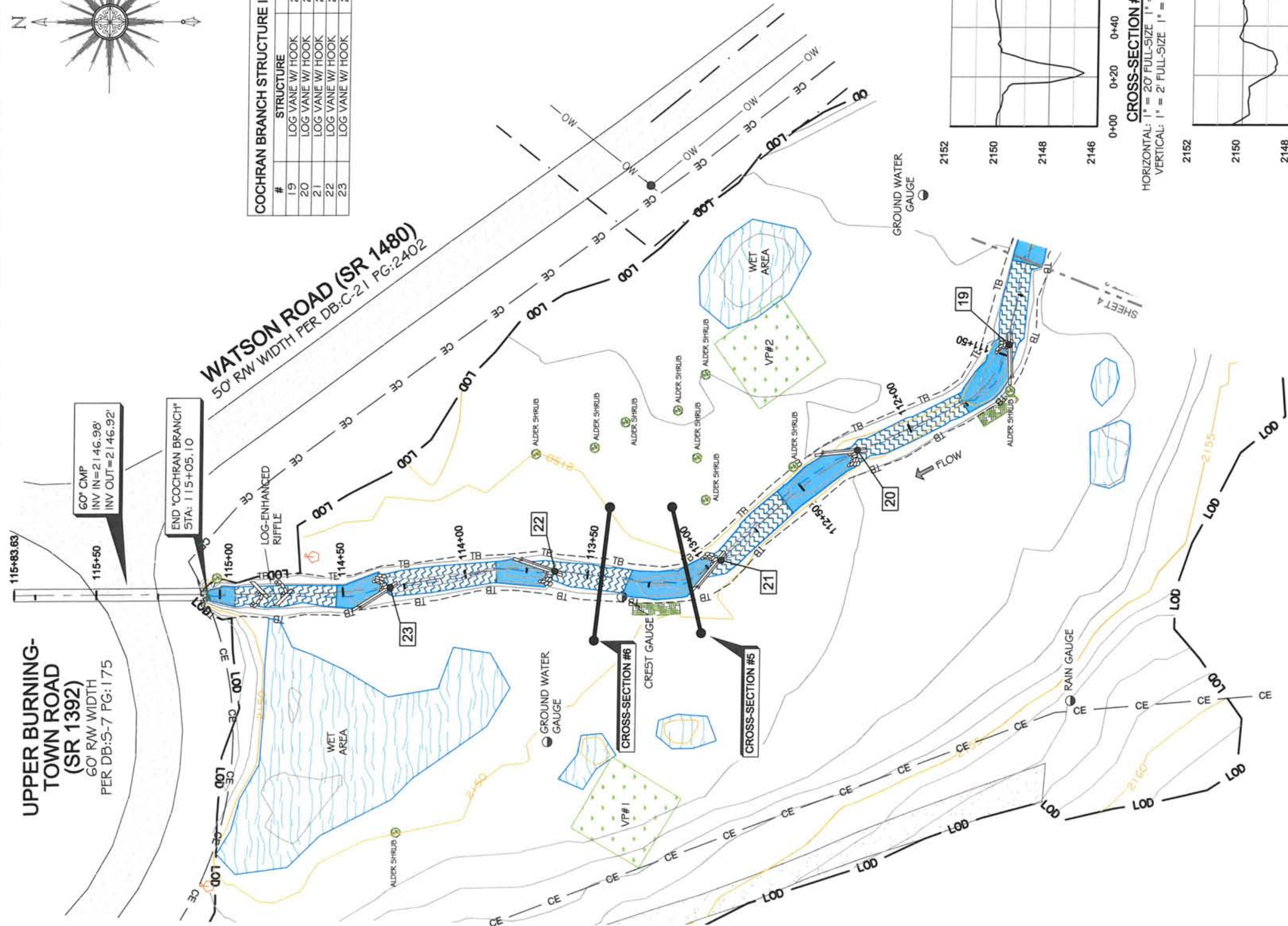


COCHRAN BRANCH STRUCTURE INVERTS		
#	STRUCTURE	ELEV.
19	LOG VANE W/ HOOK	2150.4
20	LOG VANE W/ HOOK	2149.6
21	LOG VANE W/ HOOK	2149.1
22	LOG VANE W/ HOOK	2148.3
23	LOG VANE W/ HOOK	2147.8

WATSON ROAD (SR 1480)
50' RW WIDTH PER DB:C-21 PG:2402

60' CMP
INV IN=2146.98'
INV OUT=2146.92'

END "COCHRAN BRANCH"
STA: 115+05.10



AN AS-BUILT SURVEY FOR:
RESOURCE ENVIRONMENTAL SOLUTIONS, LLC

PROJECT:
COCHRAN BRANCH

SHEET TITLE:
STREAM DATA: COCHRAN BRANCH

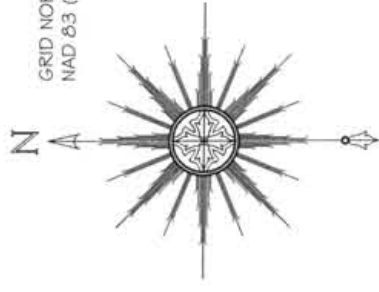
NOTE: SEE SHEET #1 FOR SURVEYOR'S NOTES & LEGEND

TOWNSHIP	BURNINGTOWN	COUNTY	MACON	STATE	NORTH CAROLINA
FORM BY	PKB	CREATED BY	PKB	SURVEY BY	NH
EC/NH	PKB	DATE	06/12/15	JOB	#150675-AB
SCALE	22" X 34"	SHEET SIZE	4 OF 7	DATE	
AS SHOWN		REVISIONS		DATE	

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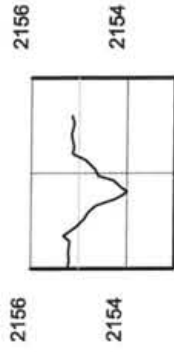
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GRID NORTH
NAD 83 (2011)



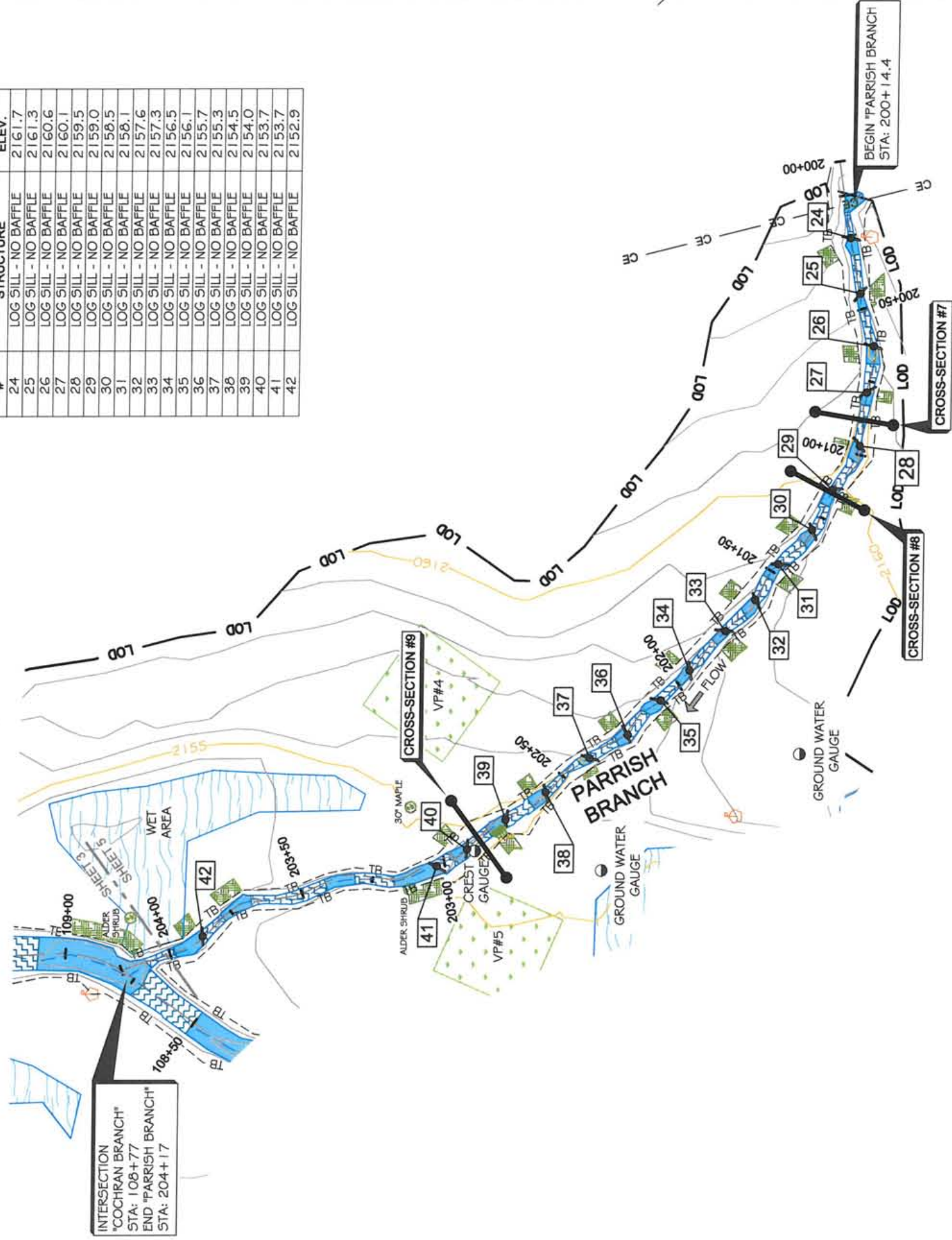
CROSS-SECTION #7
HORIZONTAL: 1" = 20' FULL-SIZE 1" = 40' HALF-SIZE
VERTICAL: 1" = 2' FULL-SIZE 1" = 4' HALF-SIZE

CROSS-SECTION #8
HORIZONTAL: 1" = 20' FULL-SIZE 1" = 40' HALF-SIZE
VERTICAL: 1" = 2' FULL-SIZE 1" = 4' HALF-SIZE



CROSS-SECTION #9
HORIZONTAL: 1" = 20' FULL-SIZE 1" = 40' HALF-SIZE
VERTICAL: 1" = 2' FULL-SIZE 1" = 4' HALF-SIZE

#	STRUCTURE	ELEV.
24	LOG SILL - NO BAFFLE	2161.7
25	LOG SILL - NO BAFFLE	2161.3
26	LOG SILL - NO BAFFLE	2160.6
27	LOG SILL - NO BAFFLE	2160.1
28	LOG SILL - NO BAFFLE	2159.5
29	LOG SILL - NO BAFFLE	2159.0
30	LOG SILL - NO BAFFLE	2158.5
31	LOG SILL - NO BAFFLE	2158.1
32	LOG SILL - NO BAFFLE	2157.6
33	LOG SILL - NO BAFFLE	2157.3
34	LOG SILL - NO BAFFLE	2156.5
35	LOG SILL - NO BAFFLE	2156.1
36	LOG SILL - NO BAFFLE	2155.7
37	LOG SILL - NO BAFFLE	2155.3
38	LOG SILL - NO BAFFLE	2154.5
39	LOG SILL - NO BAFFLE	2154.0
40	LOG SILL - NO BAFFLE	2153.7
41	LOG SILL - NO BAFFLE	2153.7
42	LOG SILL - NO BAFFLE	2152.9



INTERSECTION
"COCHRAN BRANCH"
STA: 108+77
END "PARRISH BRANCH"
STA: 204+17

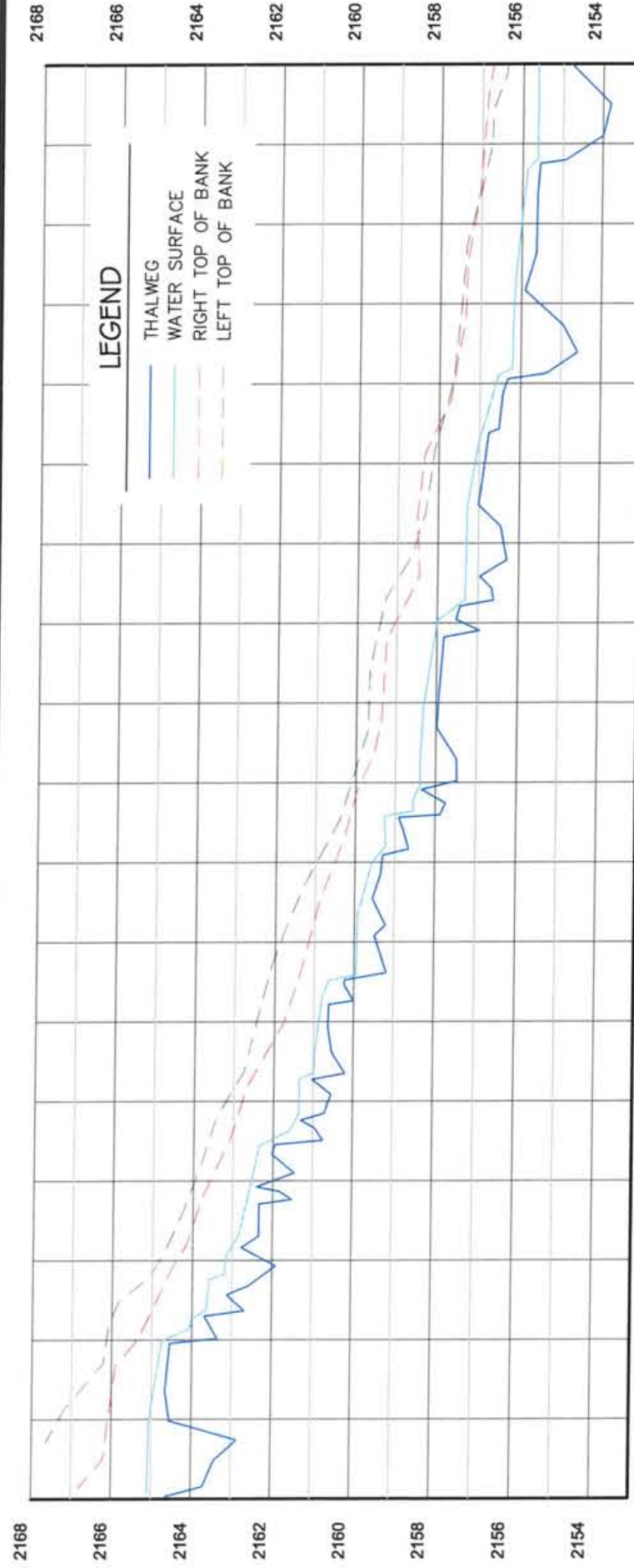


AN AS-BUILT SURVEY FOR:
RESOURCE ENVIRONMENTAL SOLUTIONS, LLC
PROJECT:
COCHRAN BRANCH
SHEET TITLE:
STREAM DATA: PARRISH BRANCH

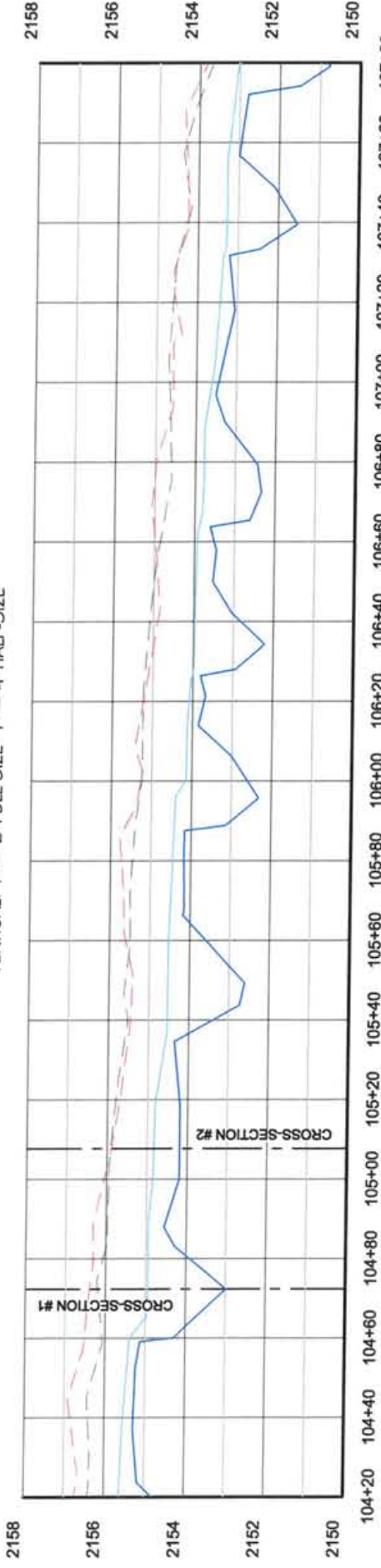
NOTE: SEE SHEET #1 FOR SURVEYOR'S NOTES & LEGEND

TOWNSHIP	BURNINGTOWN	COUNTY	MACON	STATE	NORTH CAROLINA
DRAWN BY:	EC/NH	CHECKED BY:	PBK	SURVEY BY:	NH
SCALE:	AS SHOWN	SHEET SIZE:	22" X 34"	JOB #:	#150675-AB
#	DATE	REVISIONS	#	DATE	REVISIONS

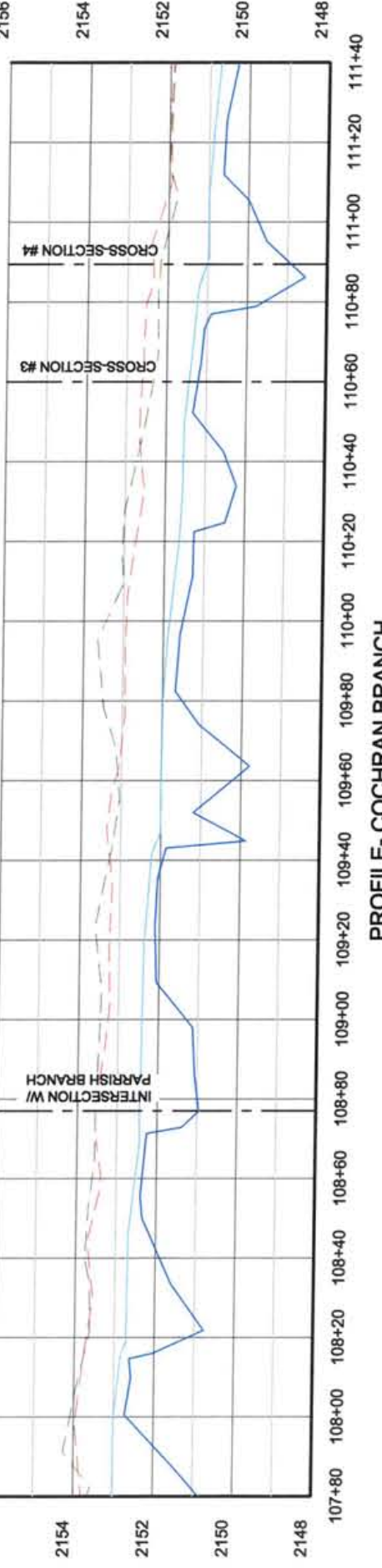
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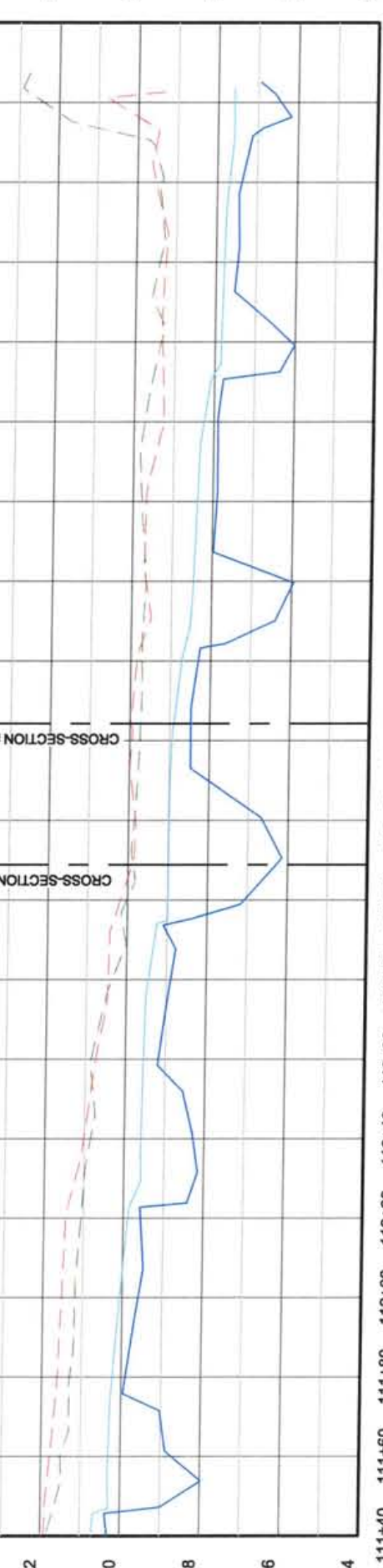
PROFILE- COCHRAN BRANCH
 HORIZONTAL: 1" = 20' FULL-SIZE 1" = 40' HALF-SIZE
 VERTICAL: 1" = 2' FULL-SIZE 1" = 4' HALF-SIZE



PROFILE- COCHRAN BRANCH
 HORIZONTAL: 1" = 20' FULL-SIZE 1" = 40' HALF-SIZE
 VERTICAL: 1" = 2' FULL-SIZE 1" = 4' HALF-SIZE



PROFILE- COCHRAN BRANCH
 HORIZONTAL: 1" = 20' FULL-SIZE 1" = 40' HALF-SIZE
 VERTICAL: 1" = 2' FULL-SIZE 1" = 4' HALF-SIZE



PROFILE- COCHRAN BRANCH
 HORIZONTAL: 1" = 20' FULL-SIZE 1" = 40' HALF-SIZE
 VERTICAL: 1" = 2' FULL-SIZE 1" = 4' HALF-SIZE



AN AS-BUILT SURVEY FOR:
RESOURCE ENVIRONMENTAL SOLUTIONS, LLC
 PROJECT:
COCHRAN BRANCH
 SHEET TITLE:
PROFILE DATA: COCHRAN BRANCH

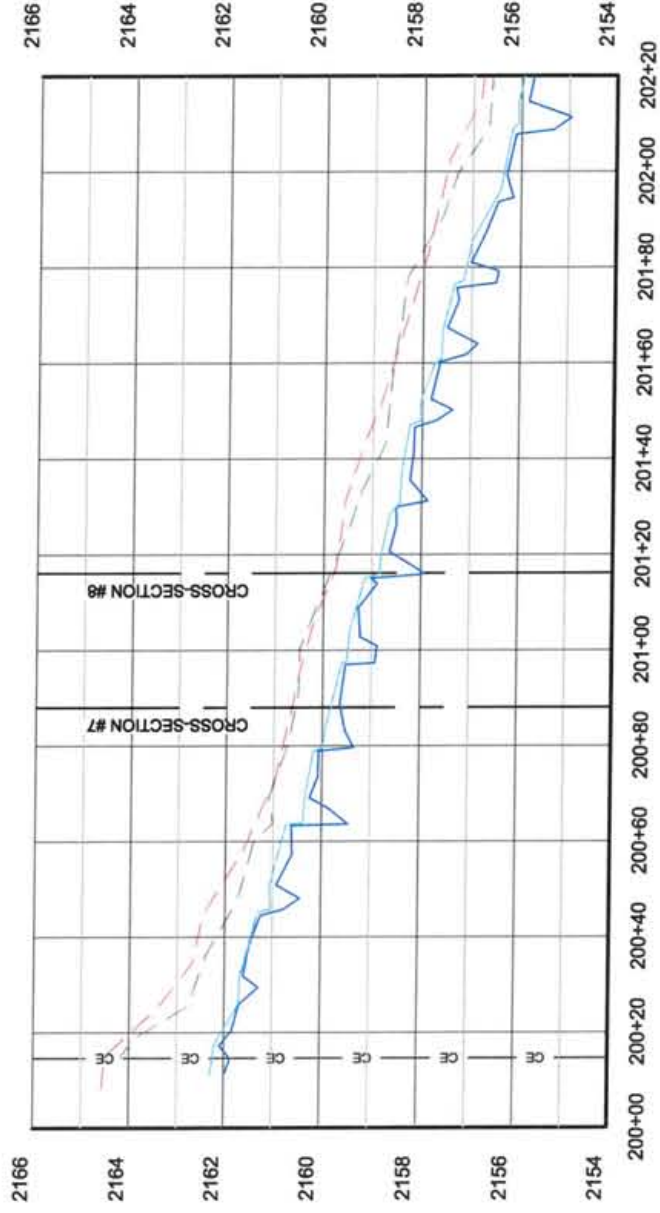
NOTE: SEE SHEET #1 FOR SURVEYOR'S NOTES & LEGEND

TOWNSHIP:	BURNINGTOWN	COUNTY:	MACON	STATE:	NORTH CAROLINA
DRAWN BY:	EC/AH	CHECKED BY:	PBK/AH	SURVEY BY:	
SCALE:	AS SHOWN	SHEET SIZE:	22" X 34"	JOB:	#150675-AB
#	DATE	REVISIONS	#	DATE	REVISIONS

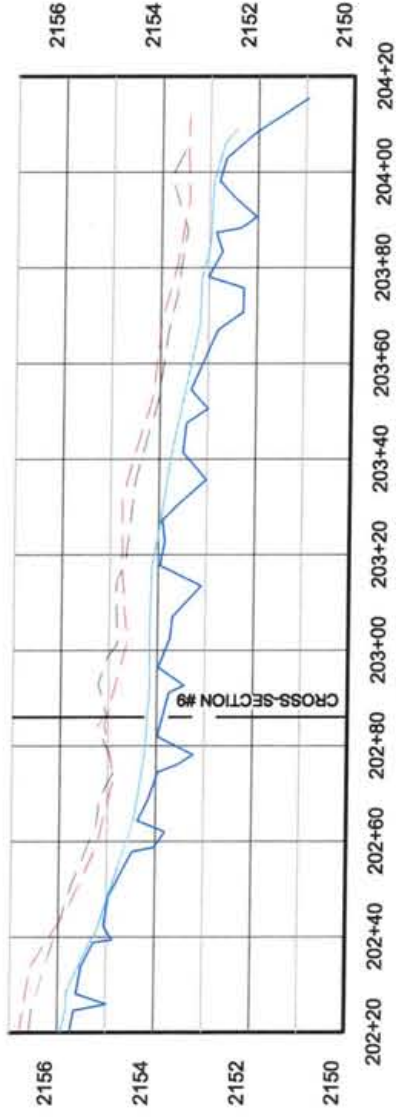
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PLEASE REFER TO THE COVER SHEET FOR THE STATEMENT OF CERTIFICATION



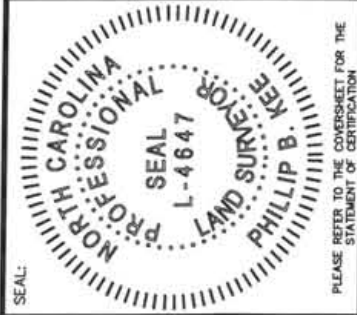
PROFILE- PARRISH BRANCH
 HORIZONTAL: 1" = 20' FULL-SIZE 1" = 40' HALF-SIZE
 VERTICAL: 1" = 2' FULL-SIZE 1" = 4' HALF-SIZE



PROFILE- PARRISH BRANCH
 HORIZONTAL: 1" = 20' FULL-SIZE 1" = 40' HALF-SIZE
 VERTICAL: 1" = 2' FULL-SIZE 1" = 4' HALF-SIZE

LEGEND

- THALWEG
- WATER SURFACE
- - - RIGHT TOP OF BANK
- - - LEFT TOP OF BANK



PLEASE REFER TO THE GOVERNMENT FOR THE STATEMENT OF CERTIFICATION

AN AS-BUILT SURVEY FOR:

RESOURCE ENVIRONMENTAL SOLUTIONS, LLC

PROJECT:

COCHRAN BRANCH

SHEET TITLE:

PROFILE DATA: PARRISH BRANCH

NOTE: SEE SHEET #1 FOR SURVEYOR'S NOTES & LEGEND

TOWNSHIP:	COUNTY:	STATE:
BURNINGTOWN	MACON	NORTH CAROLINA
DRAWN BY:	CHECKED BY:	SURVEY DATES:
EC/AH	PKB	06/12/15 - 06/24/15
SCALE:	SHEET SIZE:	SHEET:
AS SHOWN	22" X 34"	7 OF 7
#	DATE	REVISIONS



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