VOLUME NO.	SHEET NO.
VOL. 1	5.133

S2-TRIB2-A3
S2-TRIB2-A3-B4
DESIGN

END REACH
S2-TRIB2-A3-(1)
BEGIN REACH
S2-TRIB2-A3-(2)

S2-TRIB2-A3-(2)

END REACH
S2-TRIB2-A3-(2)
BEGIN REACH
S2-TRIB2-A3-(3)

S2-TRIB2-A3-(3)

END REACH
S2-TRIB2-A3-B4-(1)

S2-TRIB2-A3-(2)

BEGIN REACH
S2-TRIB2-A3-B4-(1)

S2-TRIB2-A3-(1)

16+00
10+00
17+00
18+00
19+00
20+00
00
21

FLOW

MATCHLINE SHEET 5.132

MATCHLINE SHEET 5.134

NAD 83

20 10 0 20 40
SCALE (FT)

REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV.	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

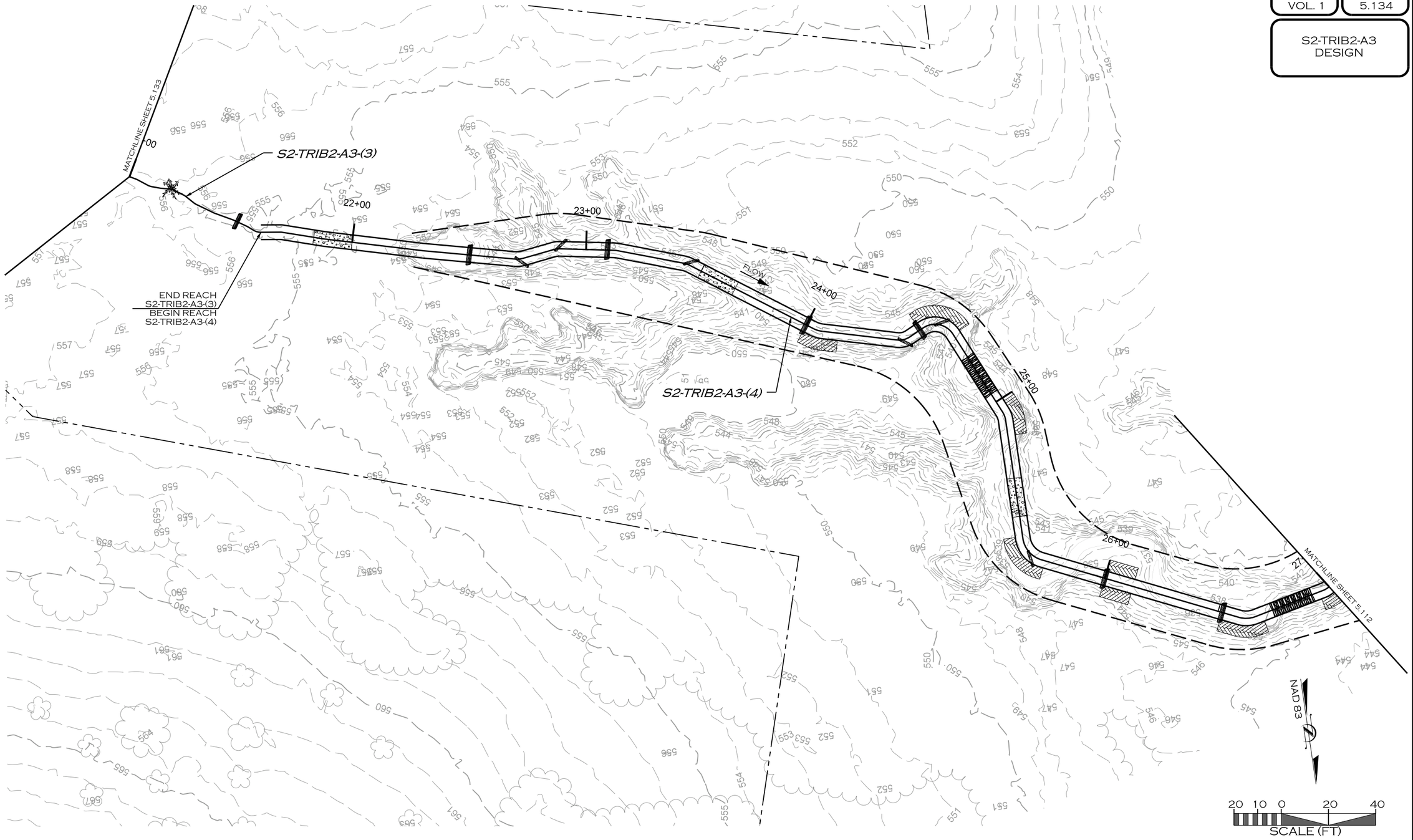
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.133.DGN
ARCGIS

VOLUME NO. VOL. 1 | SHEET NO. 5.134

S2-TRIB2-A3 DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV.	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

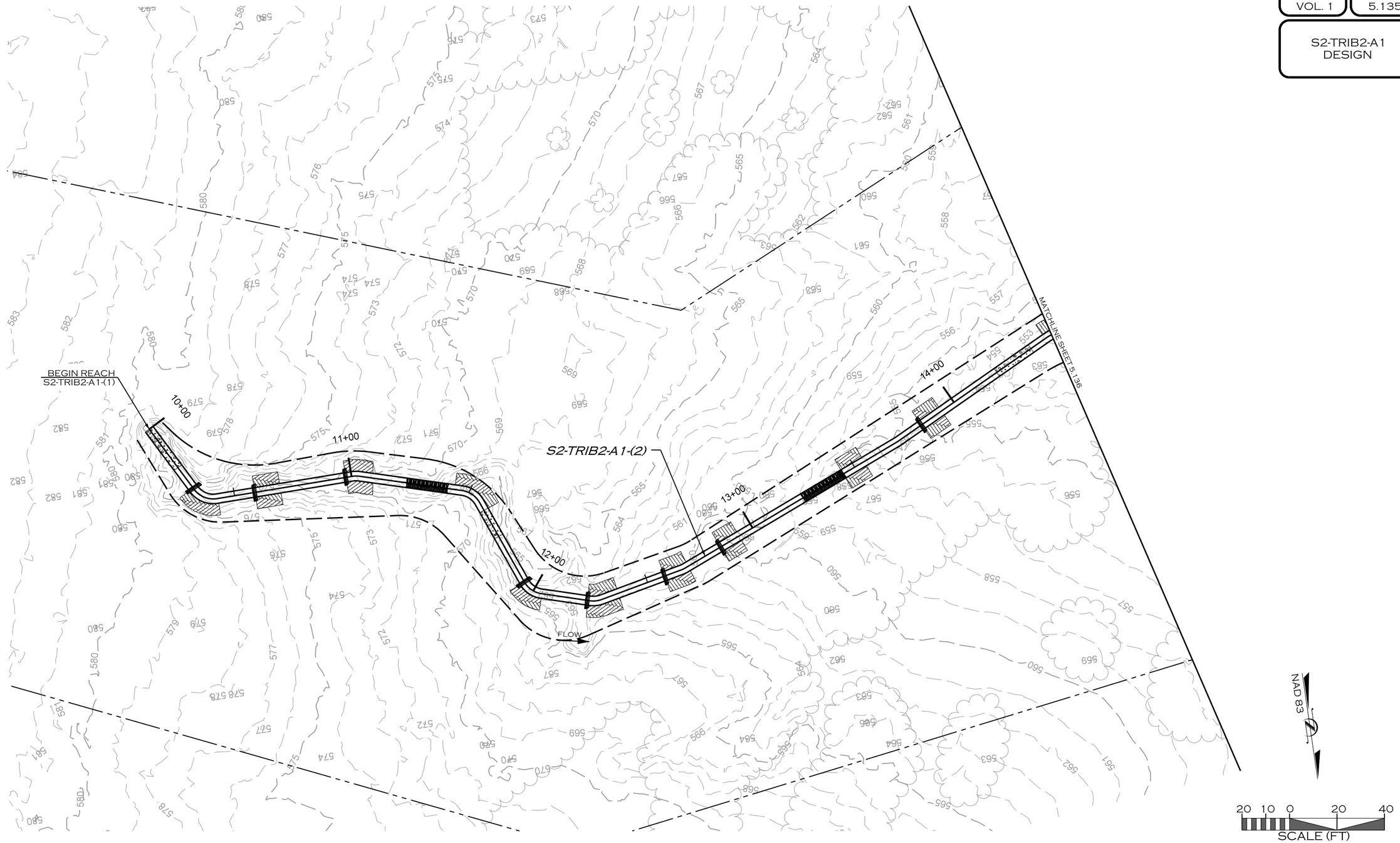
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.134.DGN
MKOEN

VOLUME NO. VOL. 1 | SHEET NO. 5.135

S2-TRIB2-A1 DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

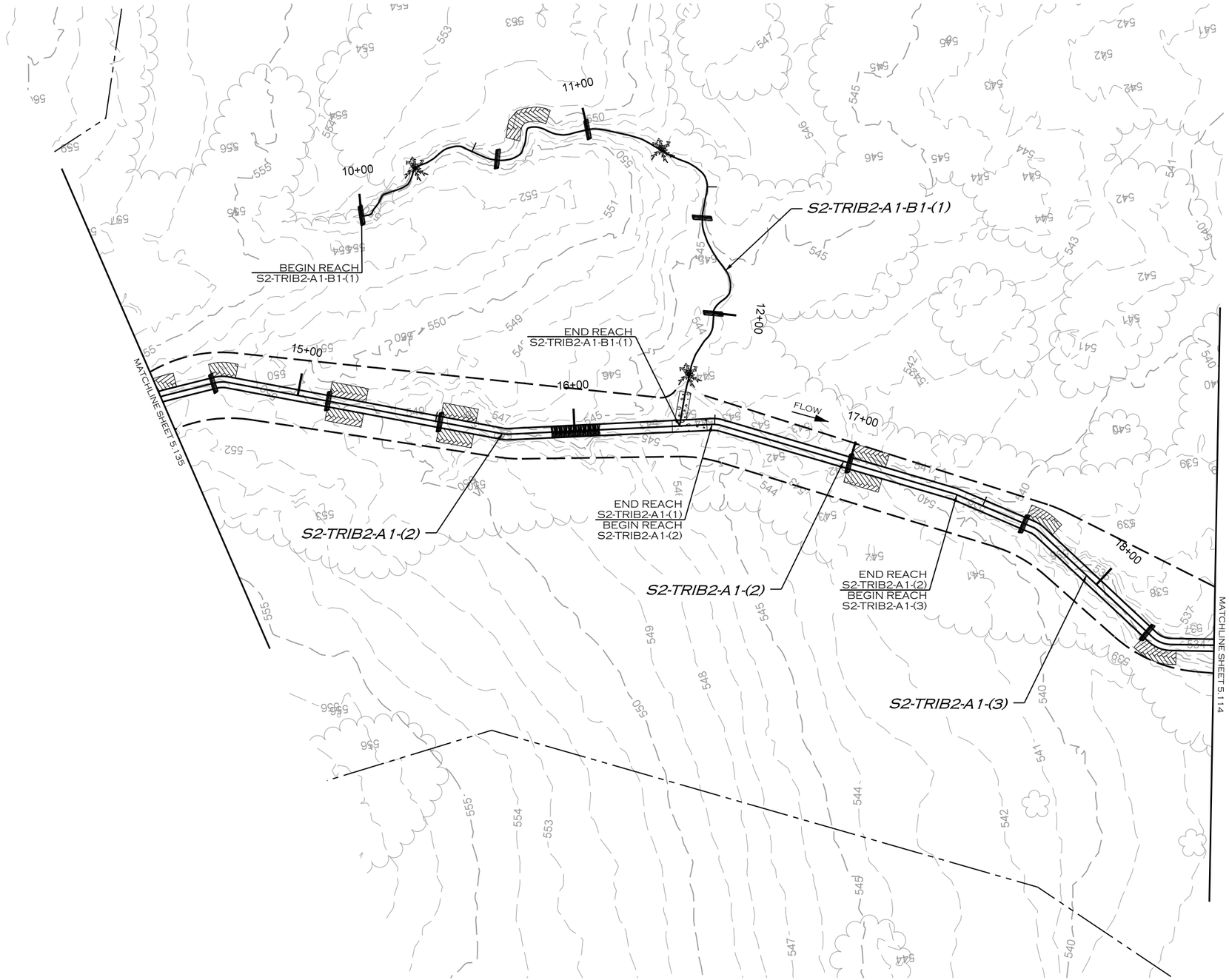
PROJECT ENGINEER

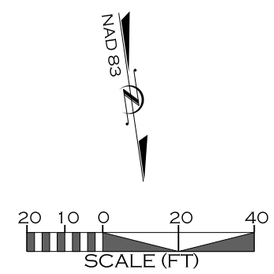
NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.135.DGN
MICOR

VOLUME NO.	SHEET NO.
VOL. 1	5.136

S2-TRIB2-A1
S2-TRIB2-A1-B1
DESIGN





REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

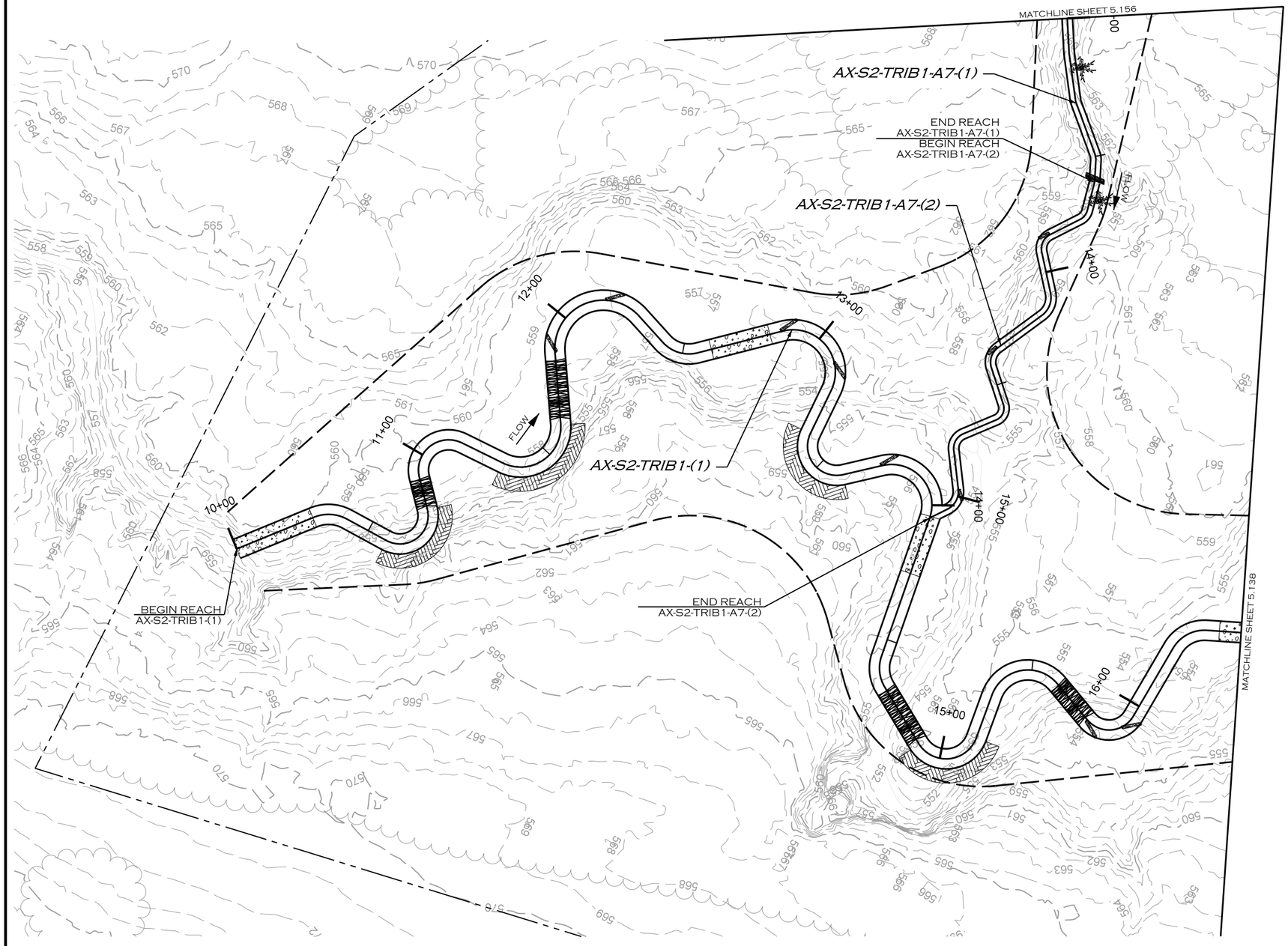
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5_136.DGN
MKOEN

VOLUME NO.	SHEET NO.
VOL. 1	5.137

AX-S2-TRIB1
AX-S2-TRIB1-A7
DESIGN



NAD 83

20 10 0 20 40
SCALE (FT)

REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

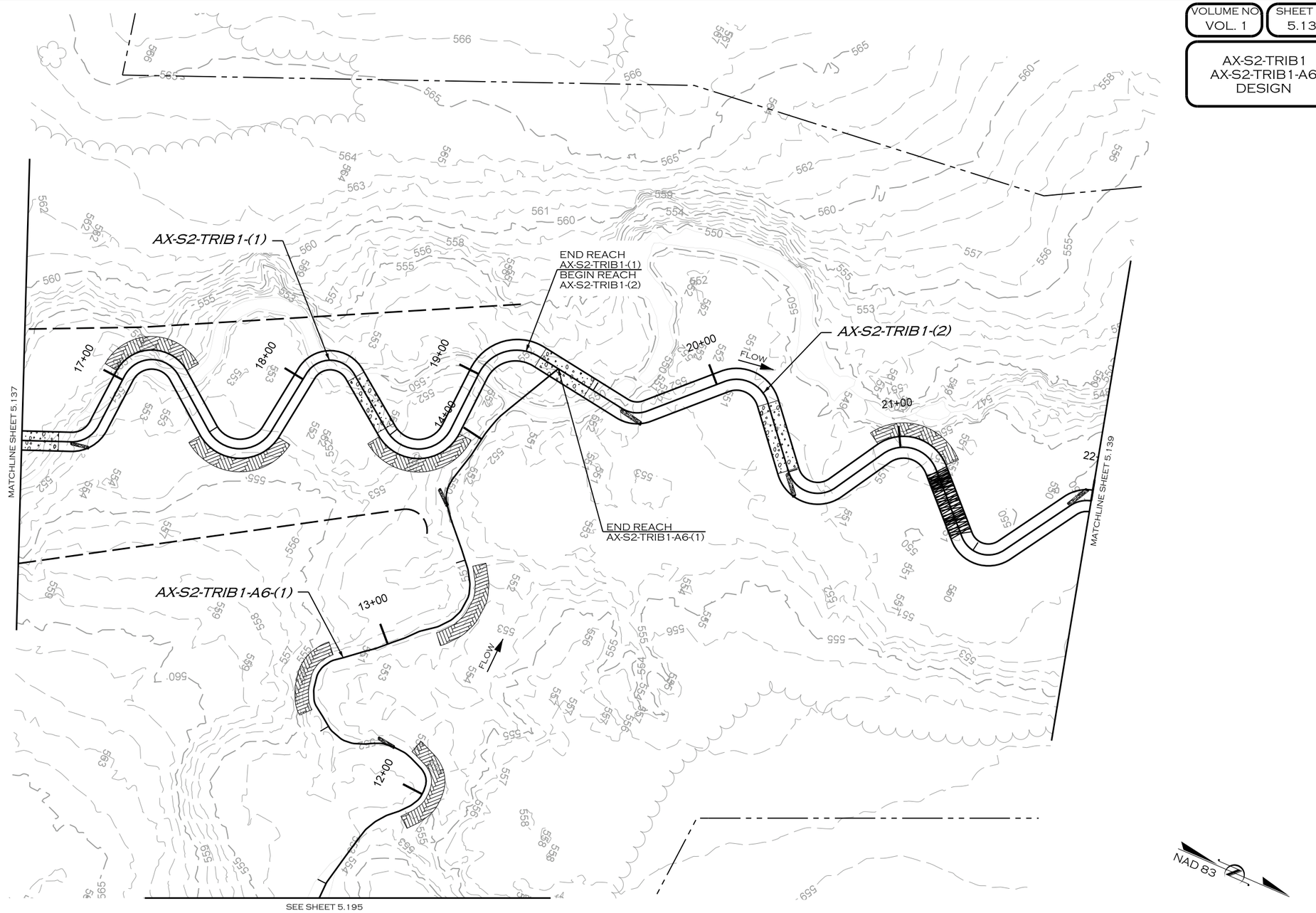
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL00001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.137.DGN
MKOEN

VOLUME NO. VOL. 1 | SHEET NO. 5.138

AX-S2-TRIB1
AX-S2-TRIB1-A6
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV.	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

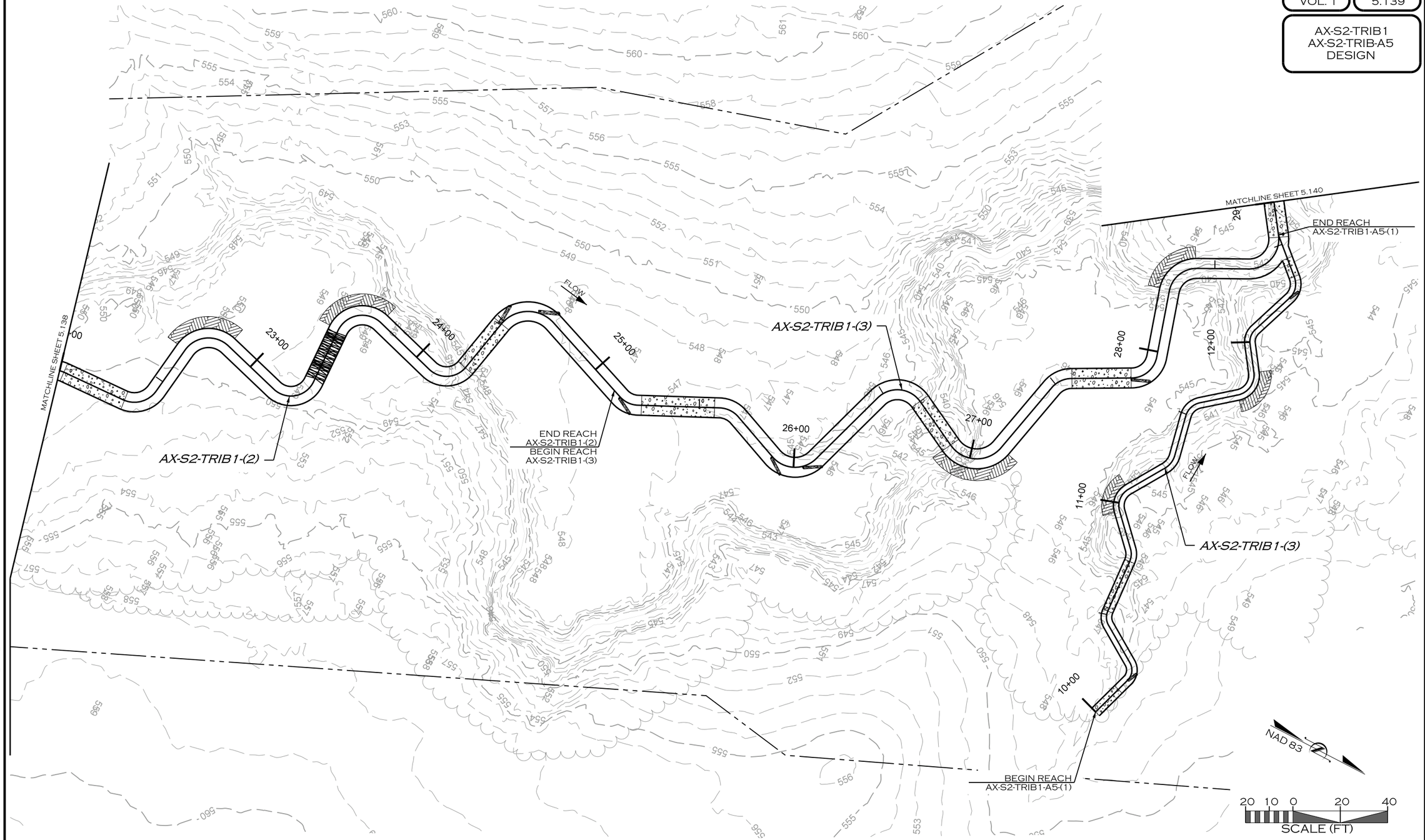
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.138.DGN
MICON

VOLUME NO. VOL. 1 | SHEET NO. 5.139

AX-S2-TRIB1
AX-S2-TRIB-A5
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV.	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

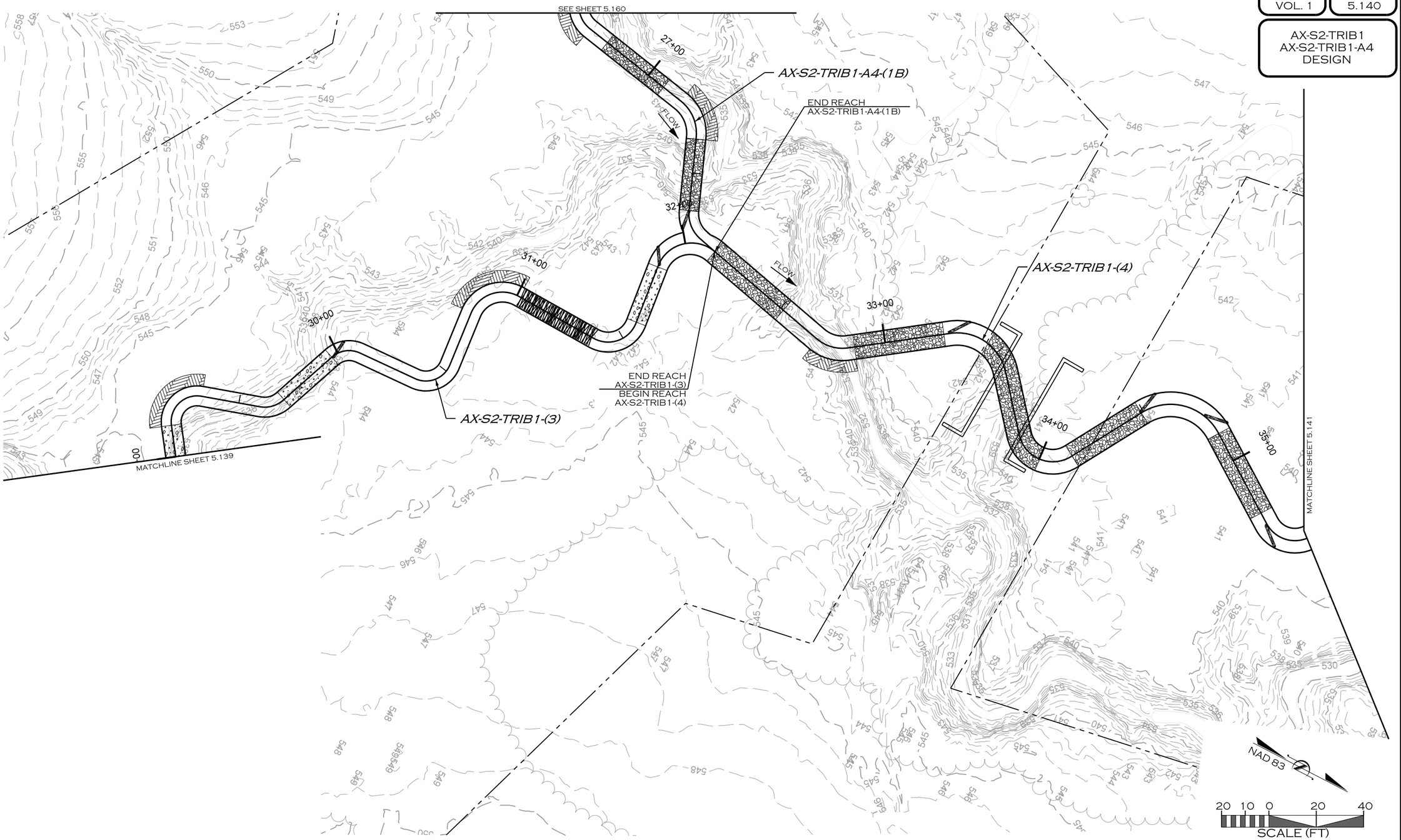
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.139.DGN
MKOEN

VOLUME NO. VOL. 1 | SHEET NO. 5.140

AX-S2-TRIB1
AX-S2-TRIB1-A4
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV.	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

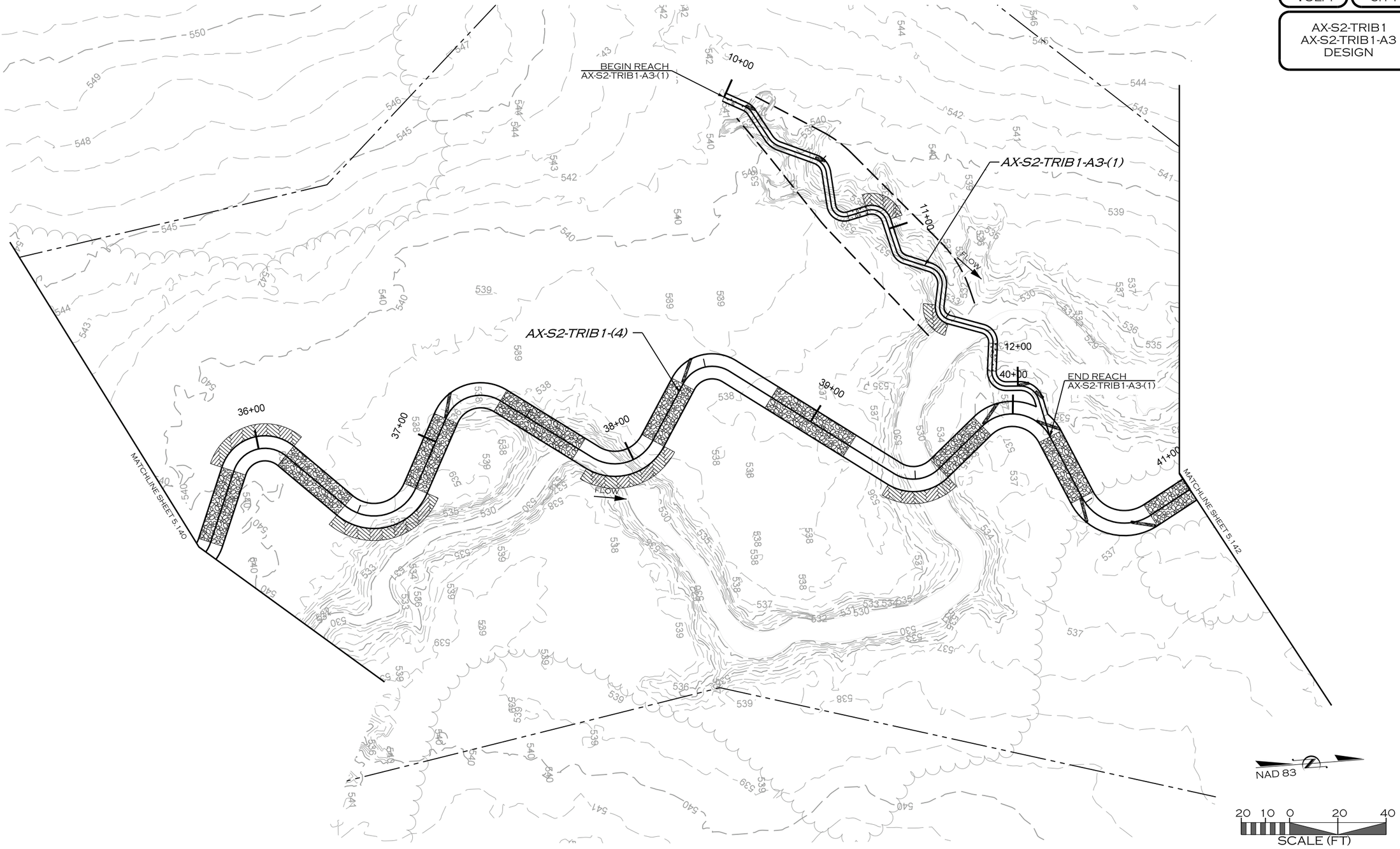
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.140.DGN
MKOPEN

VOLUME NO.	SHEET NO.
VOL. 1	5.141

AX-S2-TRIB1
AX-S2-TRIB1-A3
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

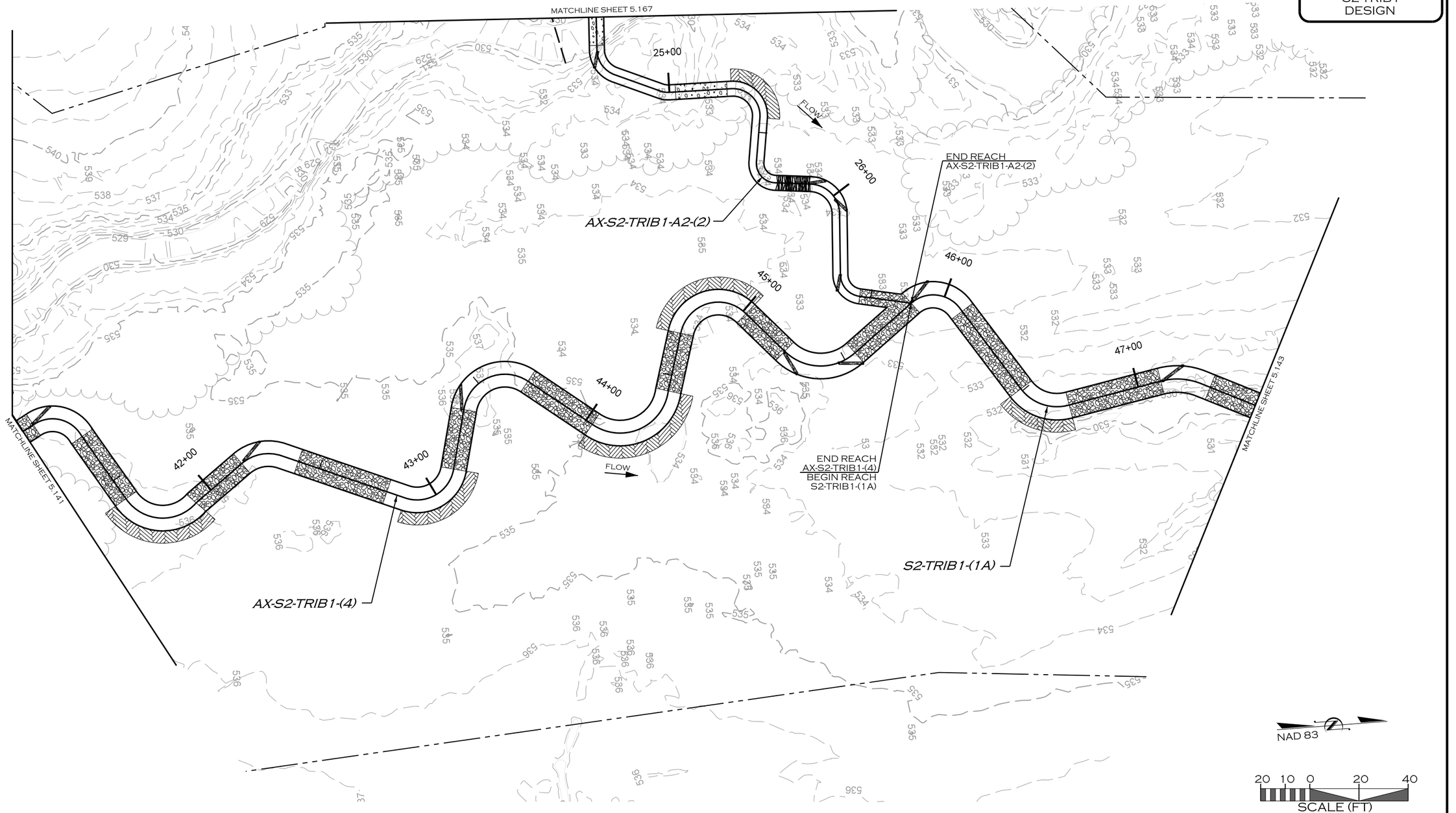
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.141.DGN
JRICON

VOLUME NO. VOL. 1 | SHEET NO. 5.142

AX-S2-TRIB1
AX-S2-TRIB1-A2
S2-TRIB1
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV.	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

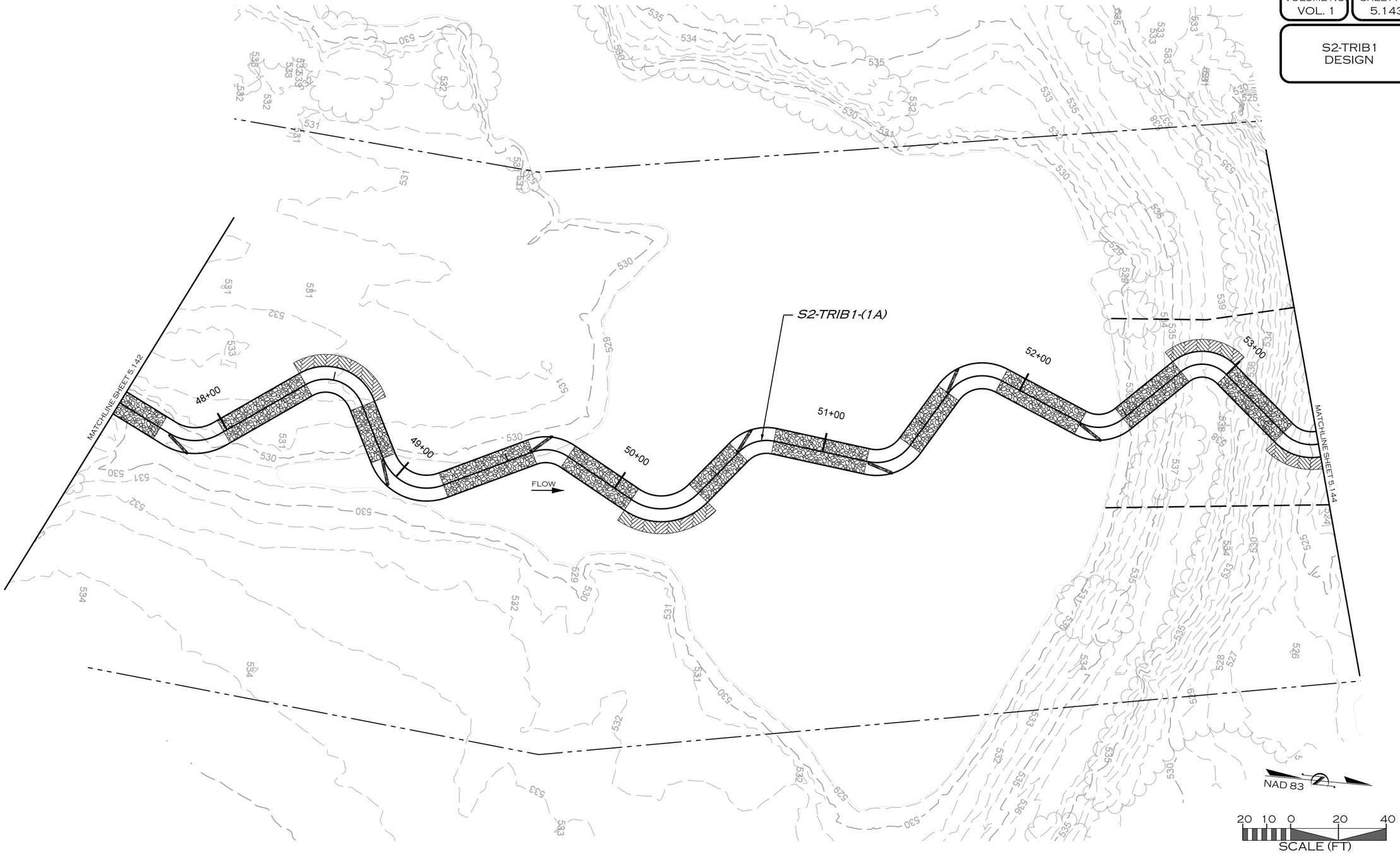
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.142.DGN
MKOON

VOLUME NO. VOL. 1 | SHEET NO. 5.143

S2-TRIB1 DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV.	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY KEVIN TWEEDY PE#113620 FOR REGULATORY REVIEW PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.143.DGN
MICEN

VOLUME NO. VOL. 1 | SHEET NO. 5.144

S2-TRIB1 DESIGN

S2-TRIB1-(1A)

54+00

55+00

56+00

57+00

58+00

59+00

FLOW

END REACH
S2-TRIB1-(1A)
BEGIN REACH
S2-TRIB1-(1B)

S2-TRIB1-(1B)

BUILDING
TO BE REMOVED

MATCHLINE SHEET 5.143

MATCHLINE SHEET 5.145

NAD 83

20 10 0 20 40
SCALE (FT)

REVISIONS

NO.	DESCRIPTION	ENGR.	APPROV.	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

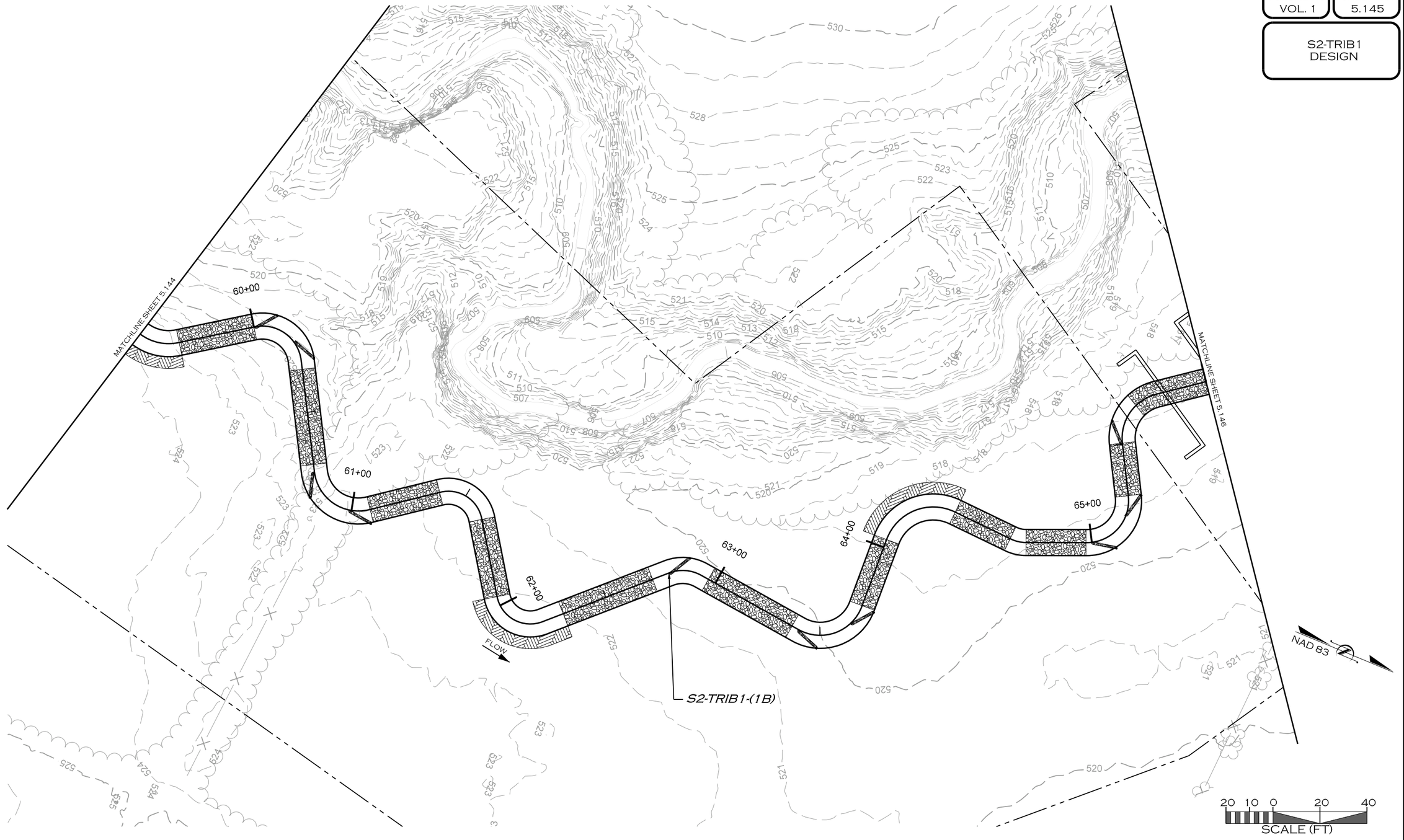
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.144.DGN
MICEN

VOLUME NO. VOL. 1 | SHEET NO. 5.145

S2-TRIB1 DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

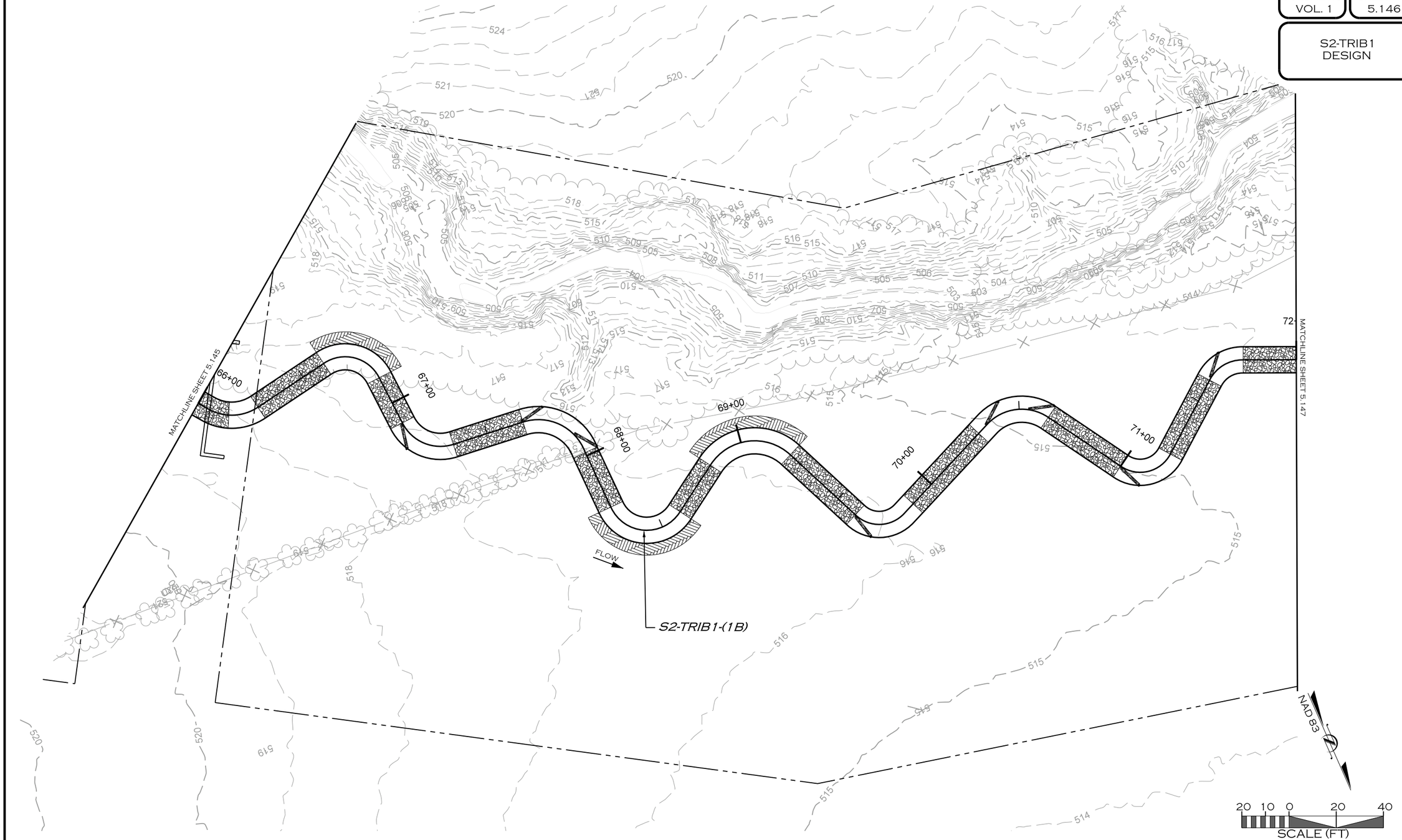
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.145.DGN
MMCGEE

VOLUME NO. VOL. 1 | SHEET NO. 5.146

S2-TRIB1 DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV.	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

PROJECT ENGINEER

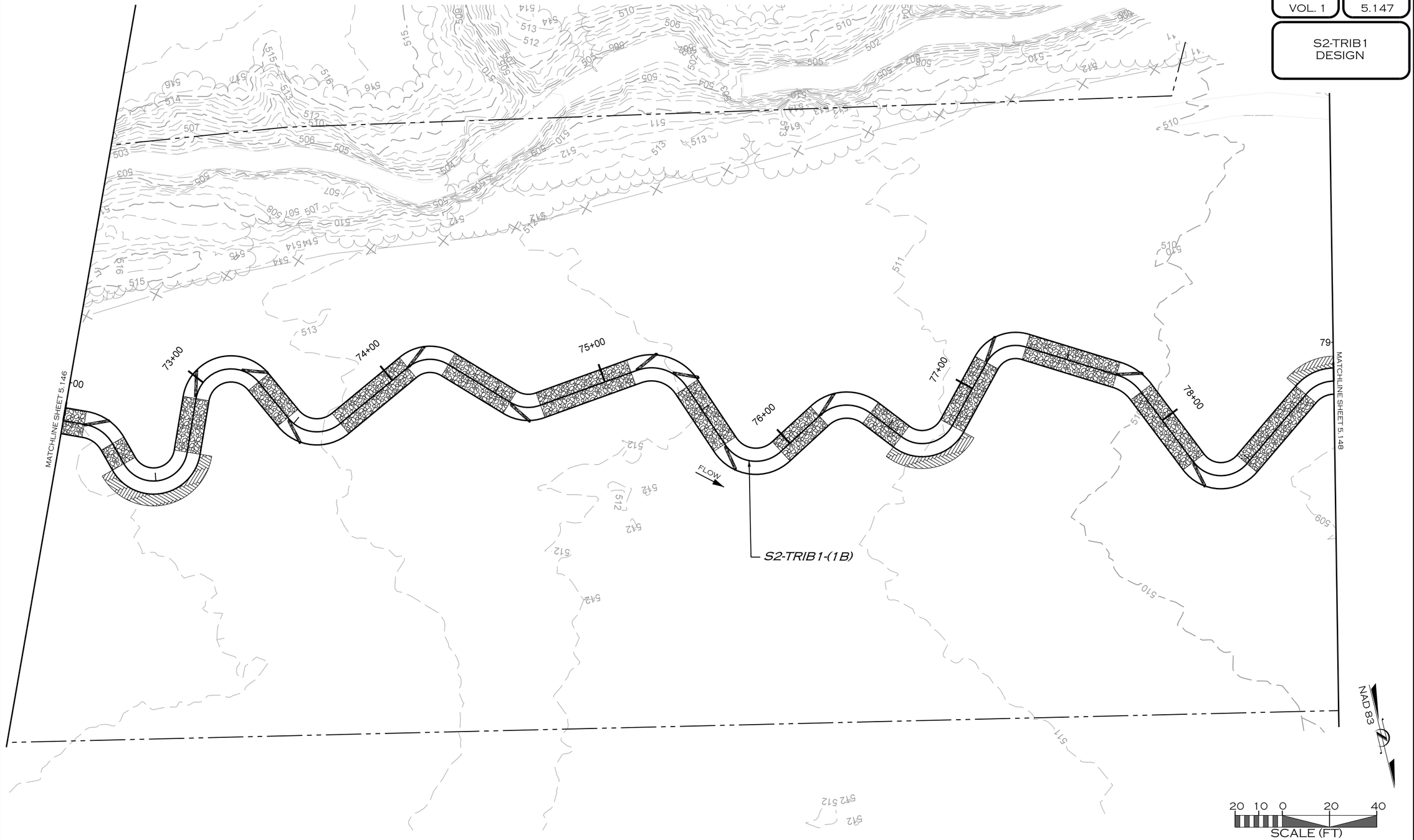
NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL00011_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.146.DGN

VOLUME NO.
VOL. 1

SHEET NO.
5.147

S2-TRIB1
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

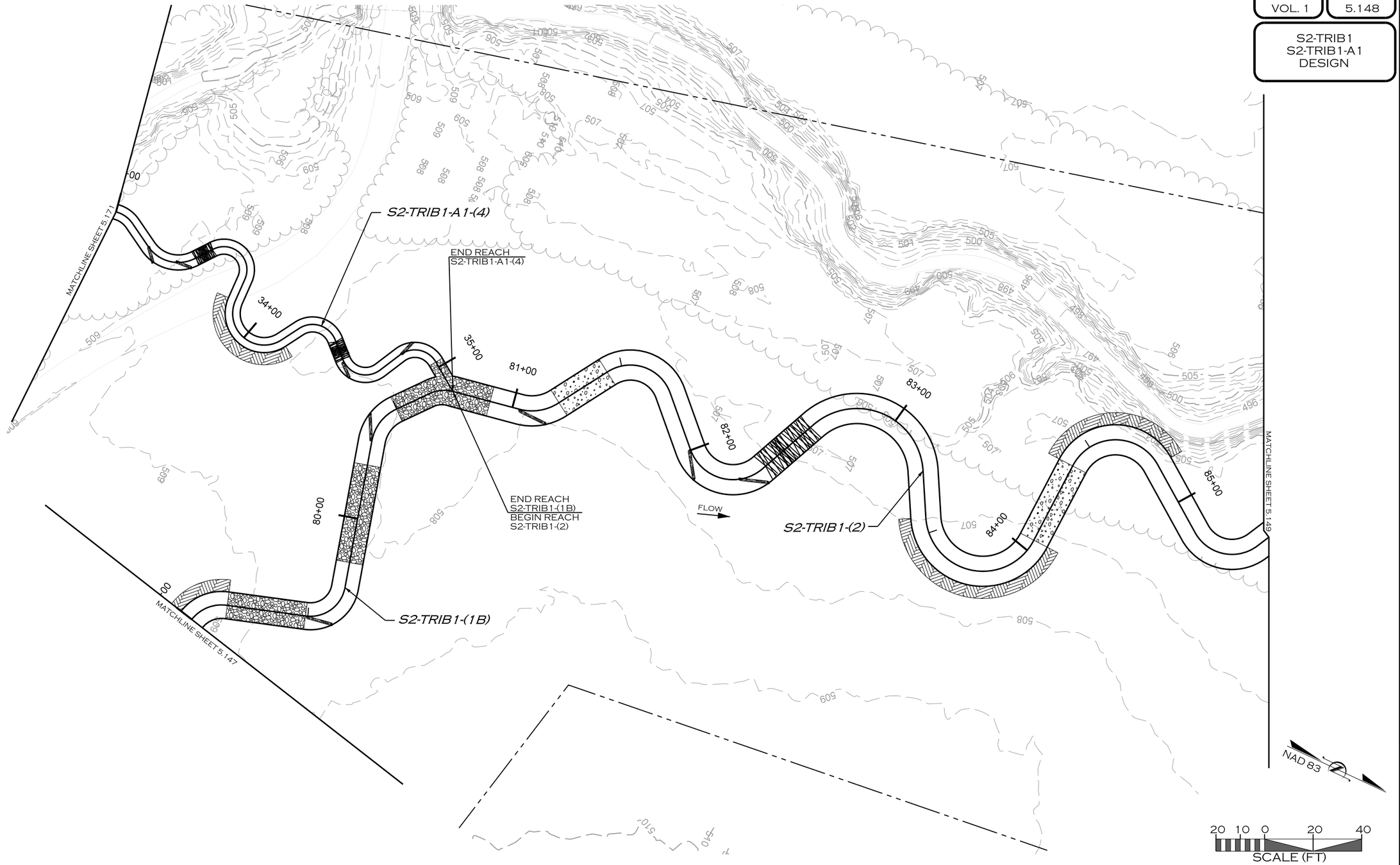
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.147.DGN
MKOEN

VOLUME NO. VOL. 1 | SHEET NO. 5.148

S2-TRIB1
S2-TRIB1-A1
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

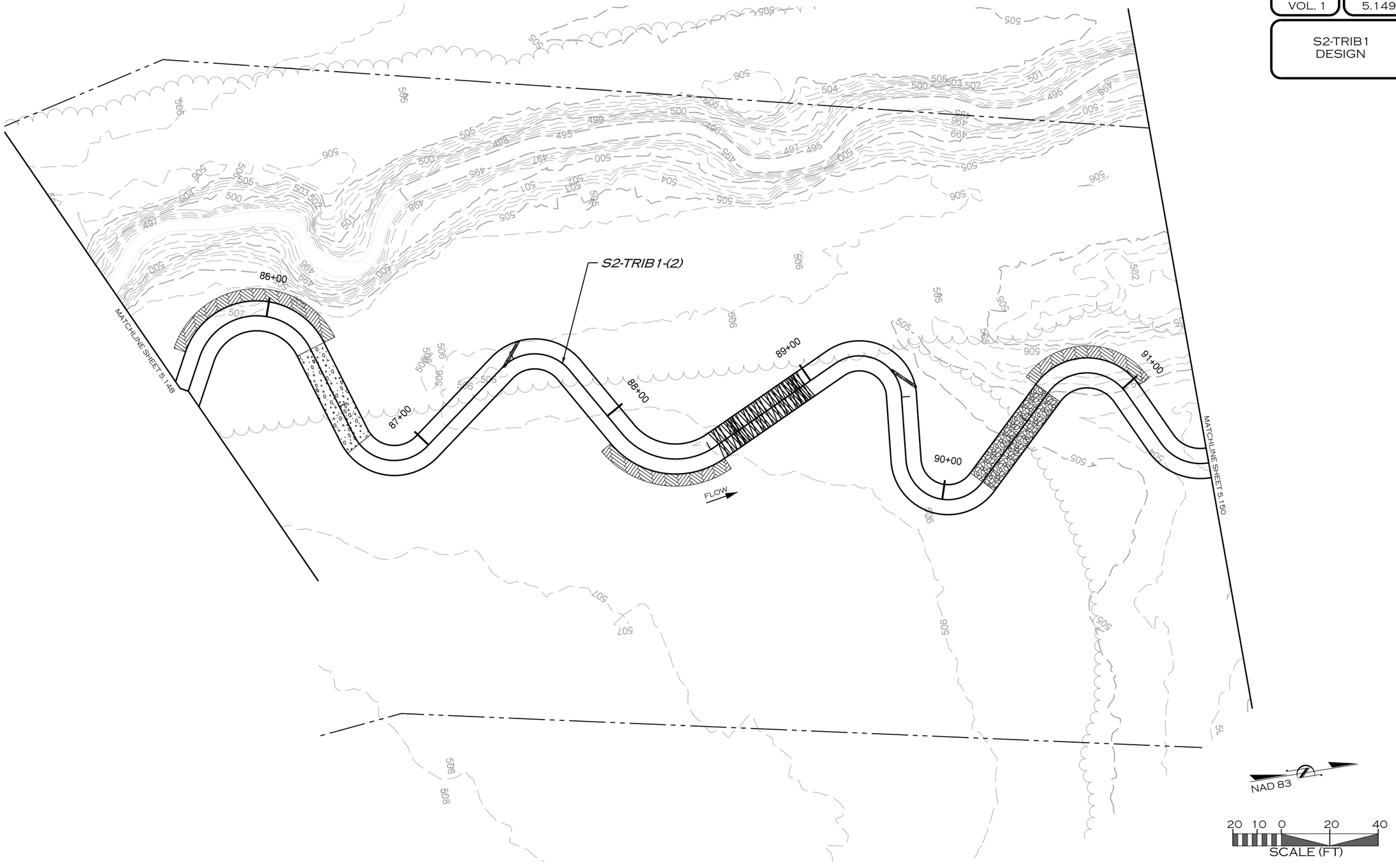
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5_148.DGN
MICRON

VOLUME NO. VOL. 1 | SHEET NO. 5.149

S2-TRIB1 DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV.	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

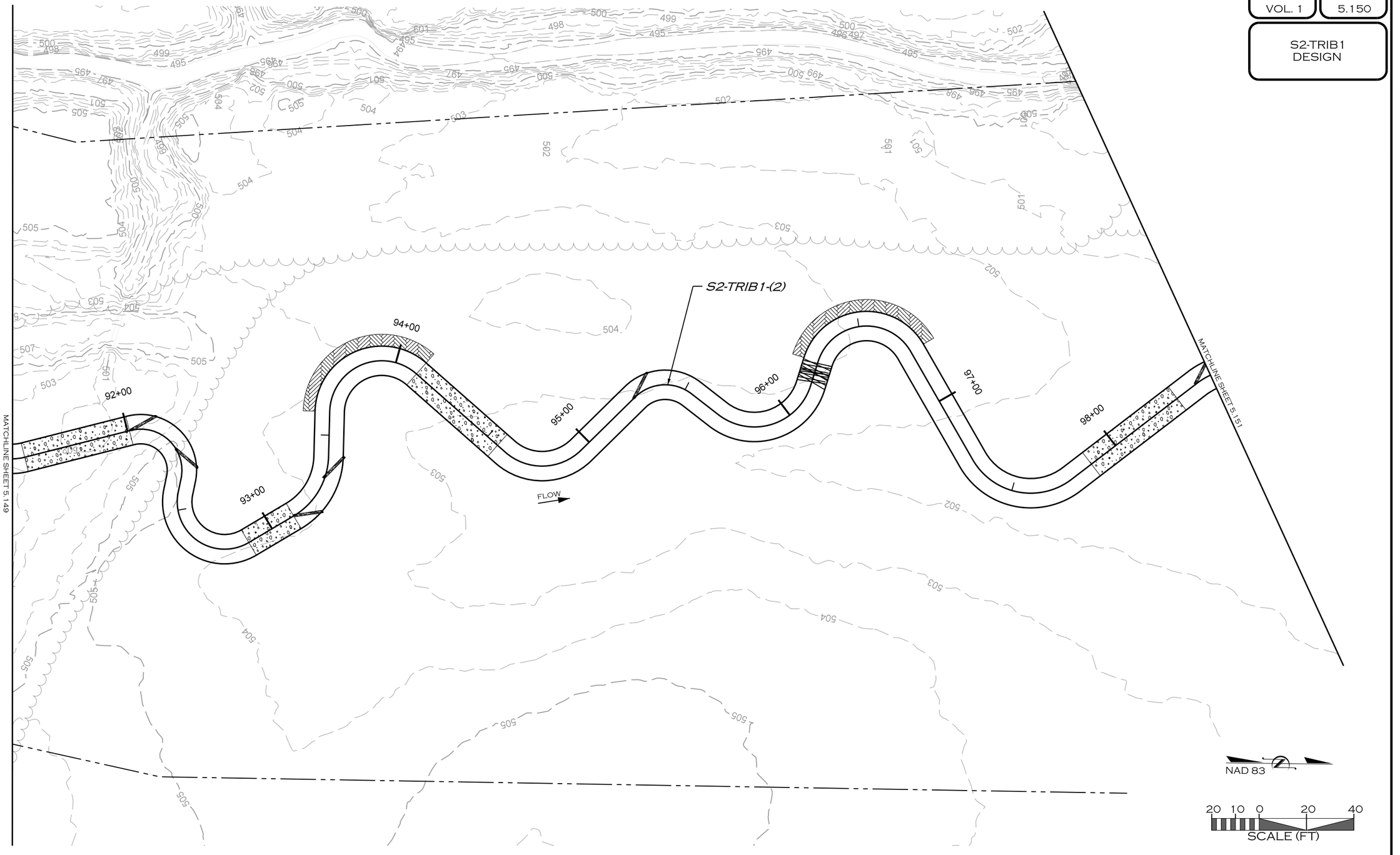
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.149.DGN
JRICON

VOLUME NO. VOL. 1 | SHEET NO. 5.150

S2-TRIB1 DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

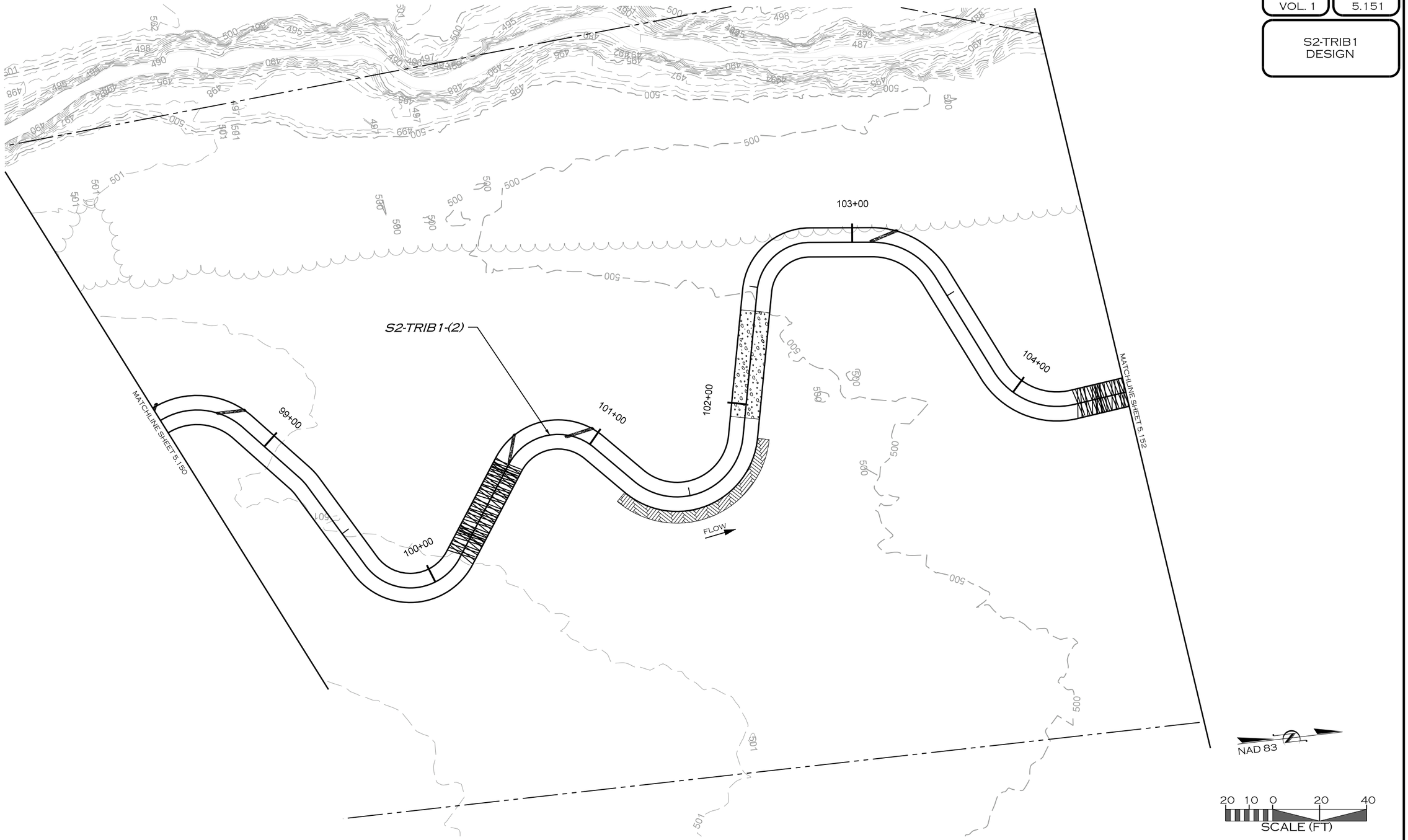
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.150.DGN
JKROON

VOLUME NO. VOL. 1 | SHEET NO. 5.151

S2-TRIB1 DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

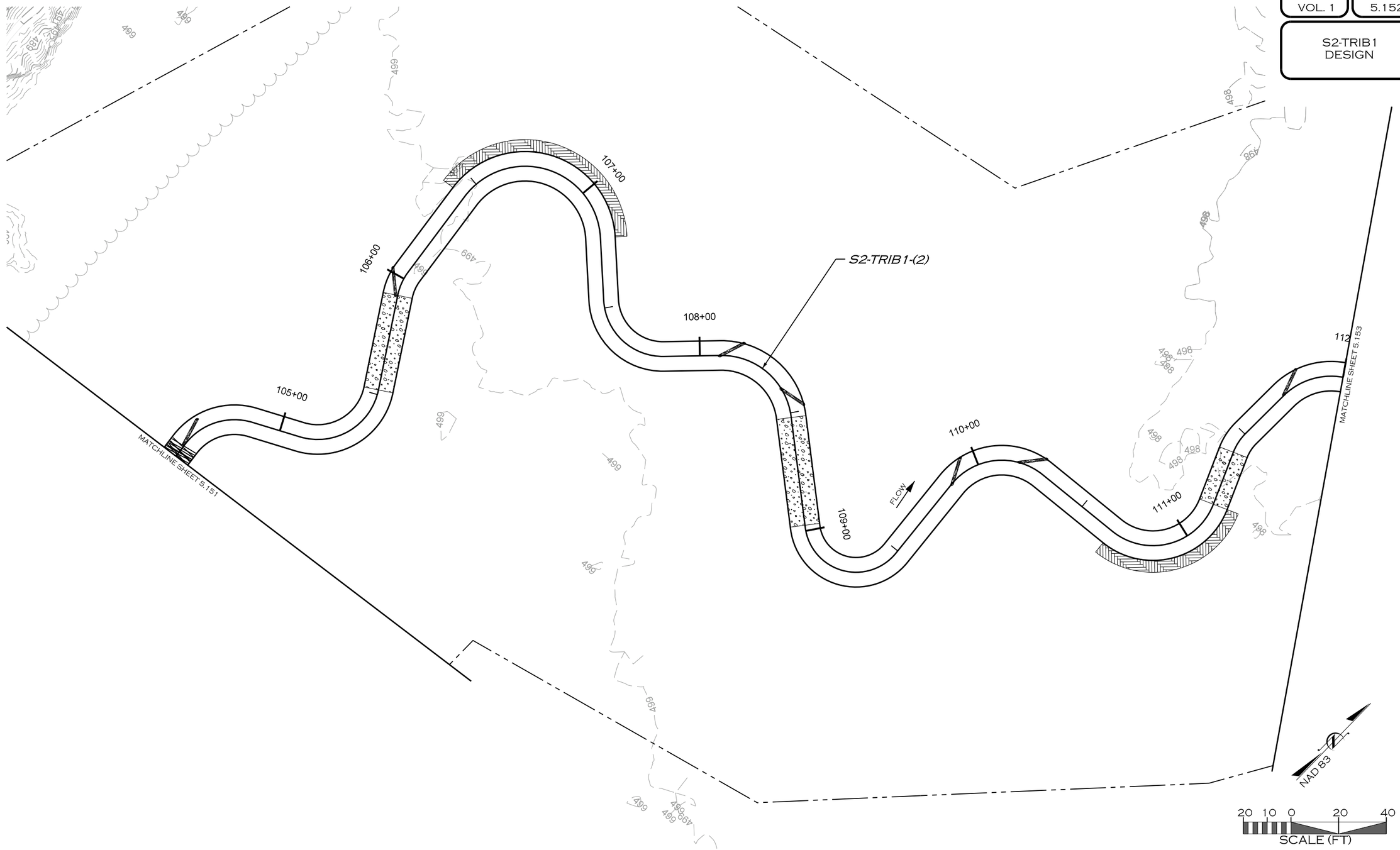
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.151.DGN
MICON

VOLUME NO. VOL. 1 | SHEET NO. 5.152

S2-TRIB1 DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

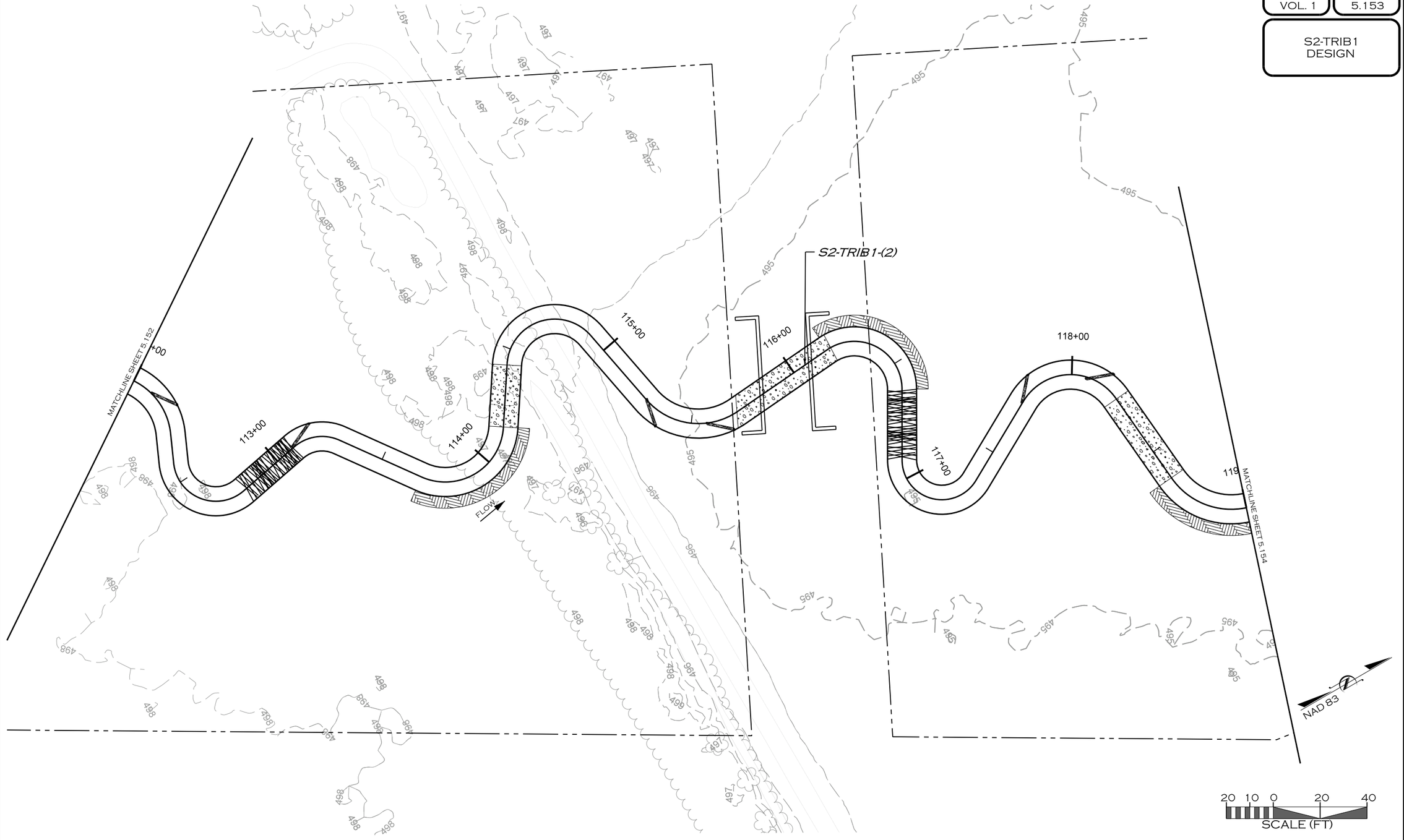
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.152.DGN
MKOEN

VOLUME NO. VOL. 1 | SHEET NO. 5.153

S2-TRIB1 DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

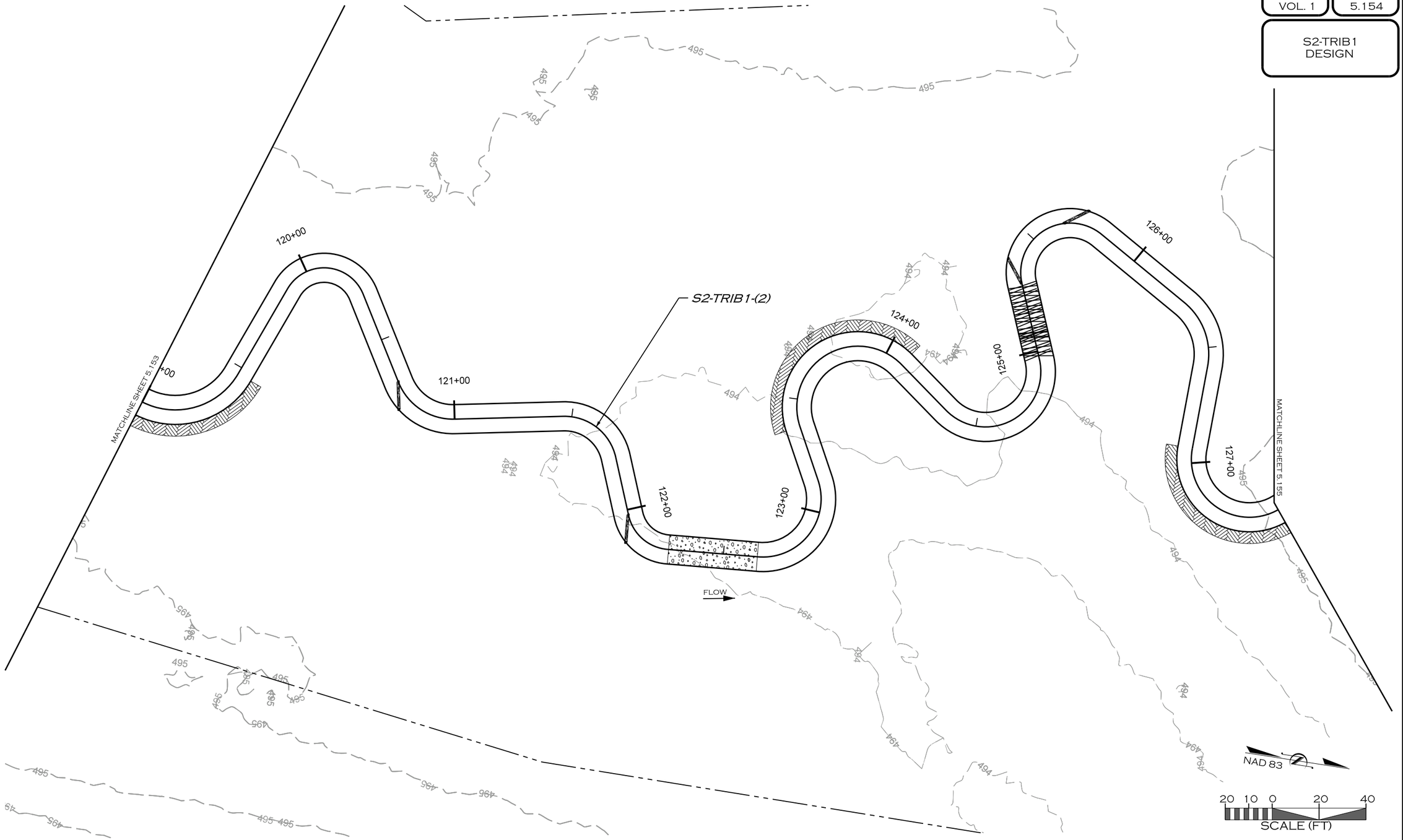
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.153.DGN

VOLUME NO. VOL. 1 | SHEET NO. 5.154

S2-TRIB1 DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV.	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

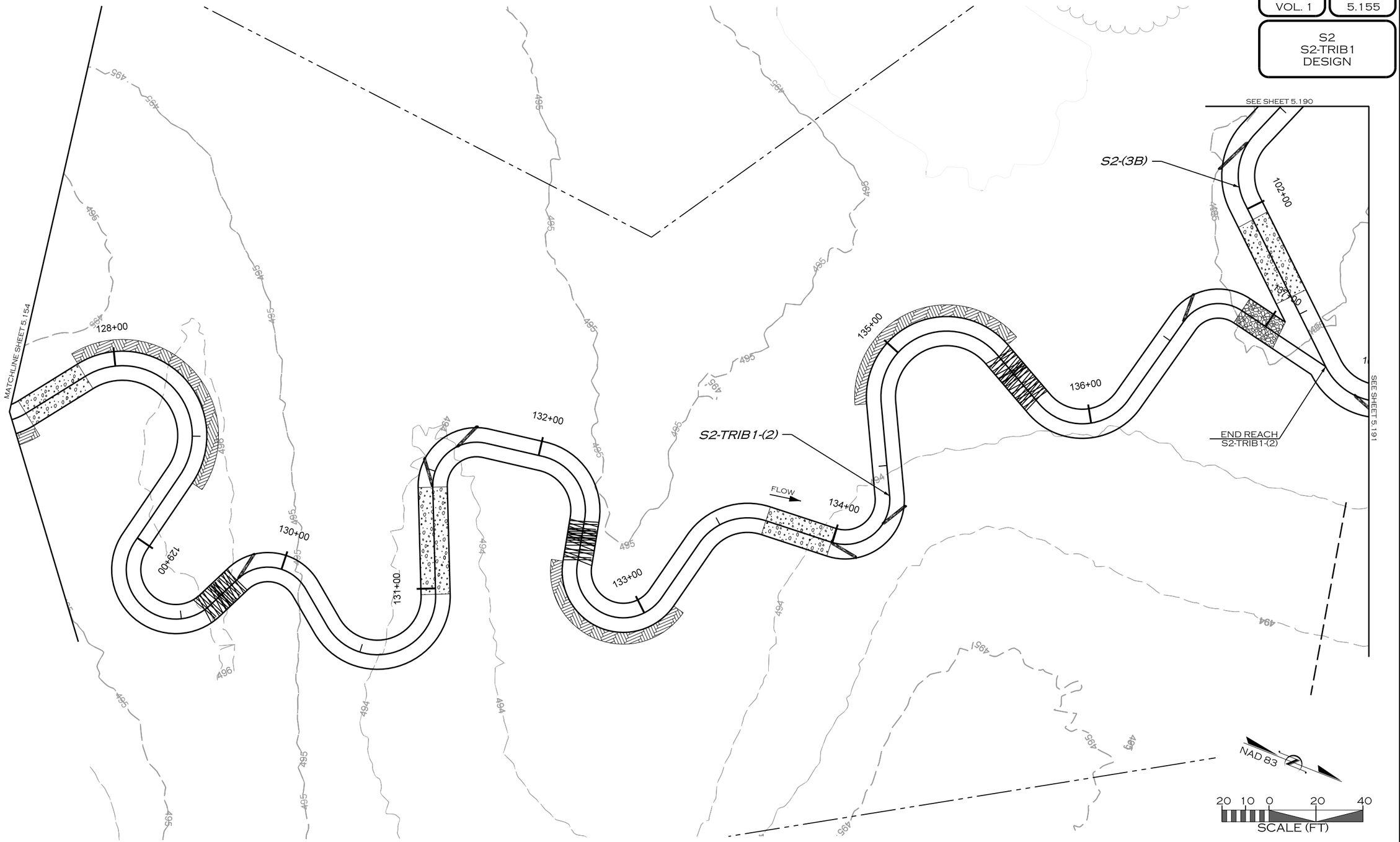
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL00011_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.154.DGN
BROWN

VOLUME NO. VOL. 1 | SHEET NO. 5.155

S2
S2-TRIB1
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

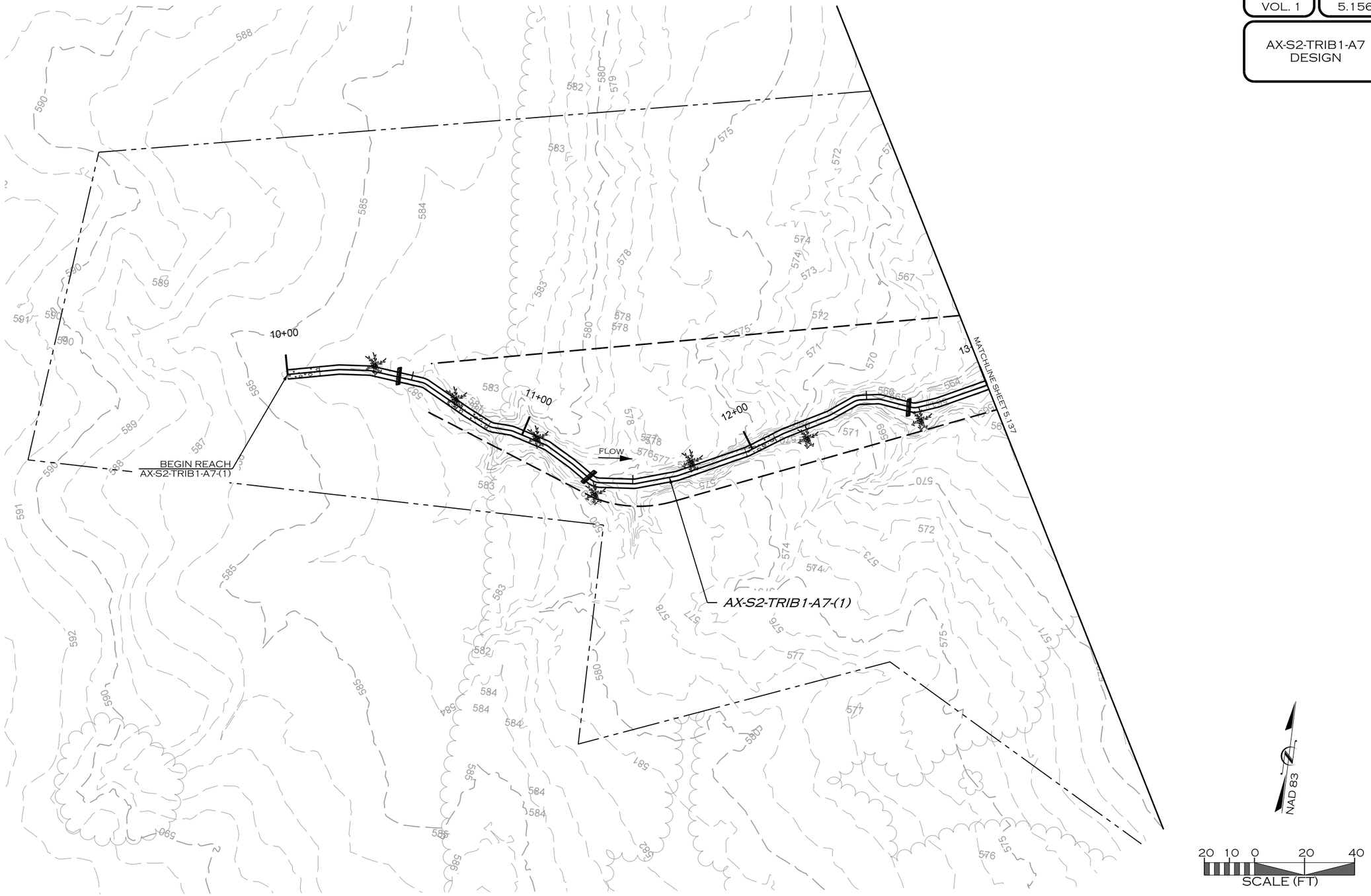
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.155.DGN
MICOR

VOLUME NO. VOL. 1 | SHEET NO. 5.156

AX-S2-TRIB1-A7
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.156.DGN
JRICCIN

VOLUME NO. VOL. 1 | SHEET NO. 5.157

AX-S2-TRIB1-A4
AX-S2-TRIB1-A4-TRIBD
AX-S2-TRIB1-A4-TRIBE
DESIGN

BEGIN REACH
AX-S2-TRIB1-A4-TRIBE-(1)

10+00

11+00

12+00

AX-S2-TRIB1-A4-TRIBE-(1)

FLOW

END REACH
AX-S2-TRIB1-A4-TRIBE-(1)

BEGIN REACH
AX-S2-TRIB1-A4-TRIBD-(1)

10+00

11+00

12+00

13+00

14+00

AX-S2-TRIB1-A4-TRIBD-(1)

FLOW

END REACH
AX-S2-TRIB1-A4-TRIBD-(1)

BEGIN REACH
AX-S2-TRIB1-A4-(1A)

10+00

11+00

12+00

AX-S2-TRIB1-A4-(1A)

FLOW

MATCHLINE SHEET 5.158

NAD 83

20 10 0 20 40
SCALE (FT)

REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

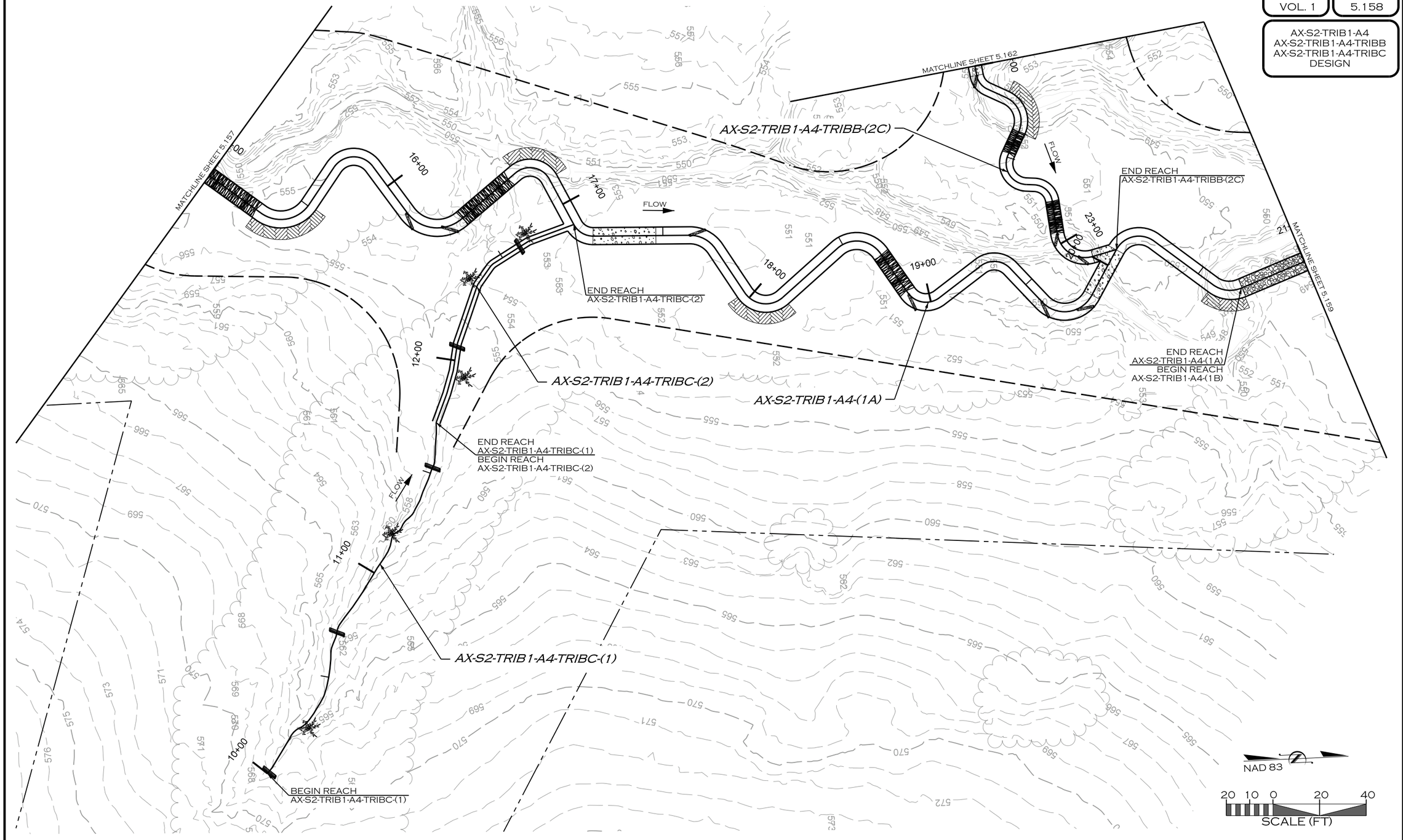
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.157.DGN
MICOR

VOLUME NO. VOL. 1 | SHEET NO. 5.158

AX-S2-TRIB1-A4
AX-S2-TRIB1-A4-TRIBB
AX-S2-TRIB1-A4-TRIBC
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

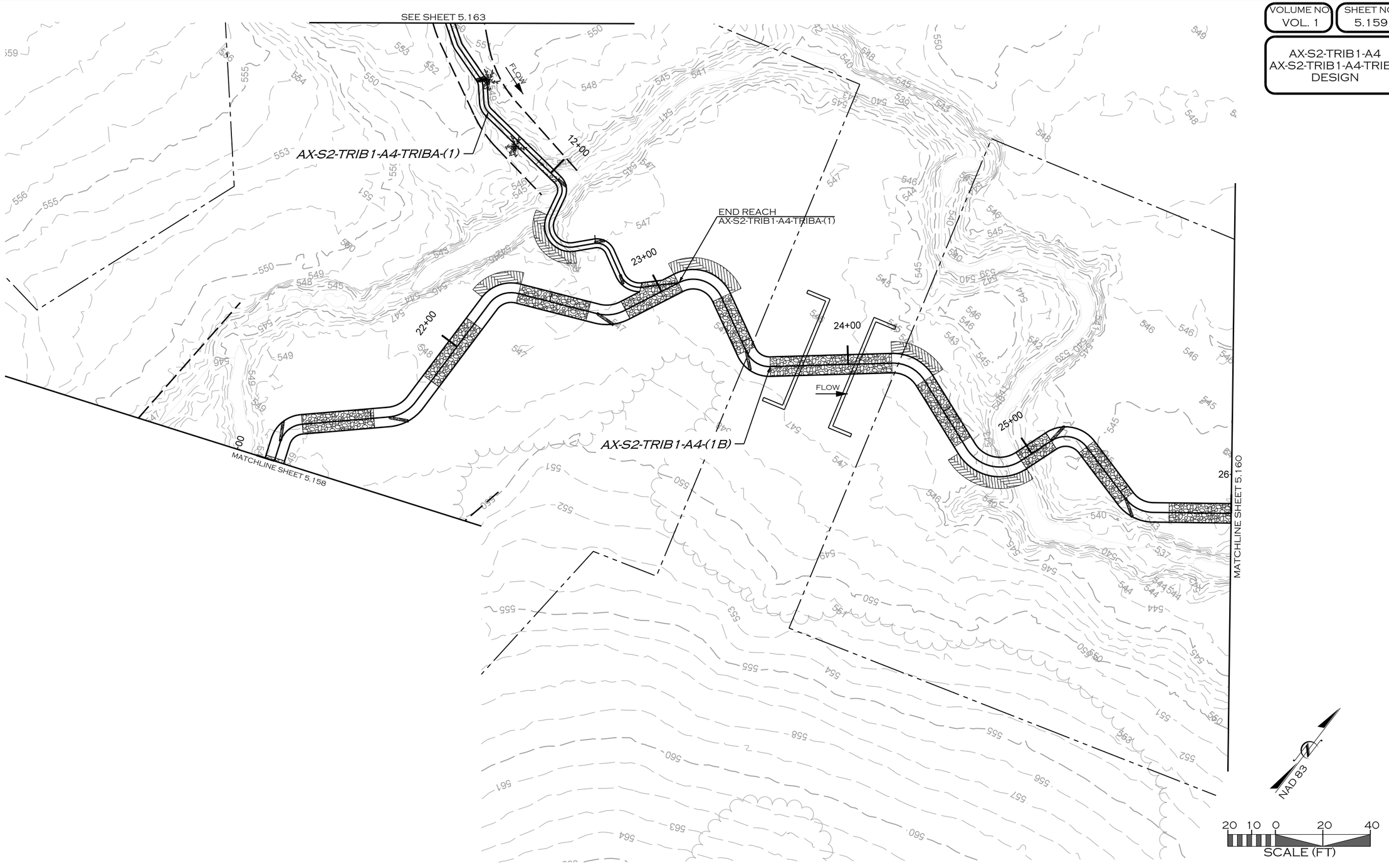
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.158.DGN
MKOEN

VOLUME NO.	SHEET NO.
VOL. 1	5.159

AX-S2-TRIB1-A4
AX-S2-TRIB1-A4-TRIBA
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

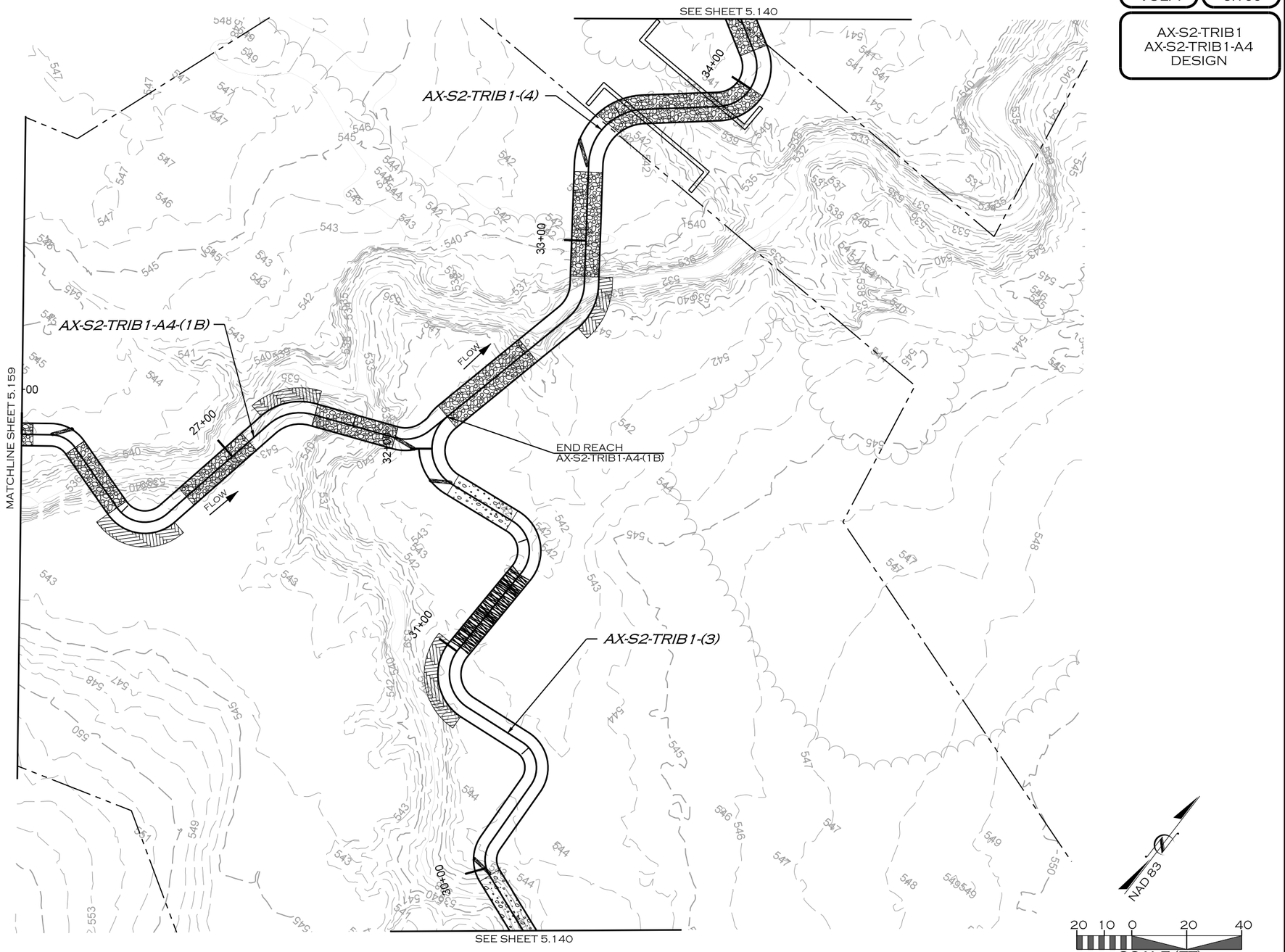
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.159.DGN
JRICON

VOLUME NO. VOL. 1 | SHEET NO. 5.160

AX-S2-TRIB1
AX-S2-TRIB1-A4
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

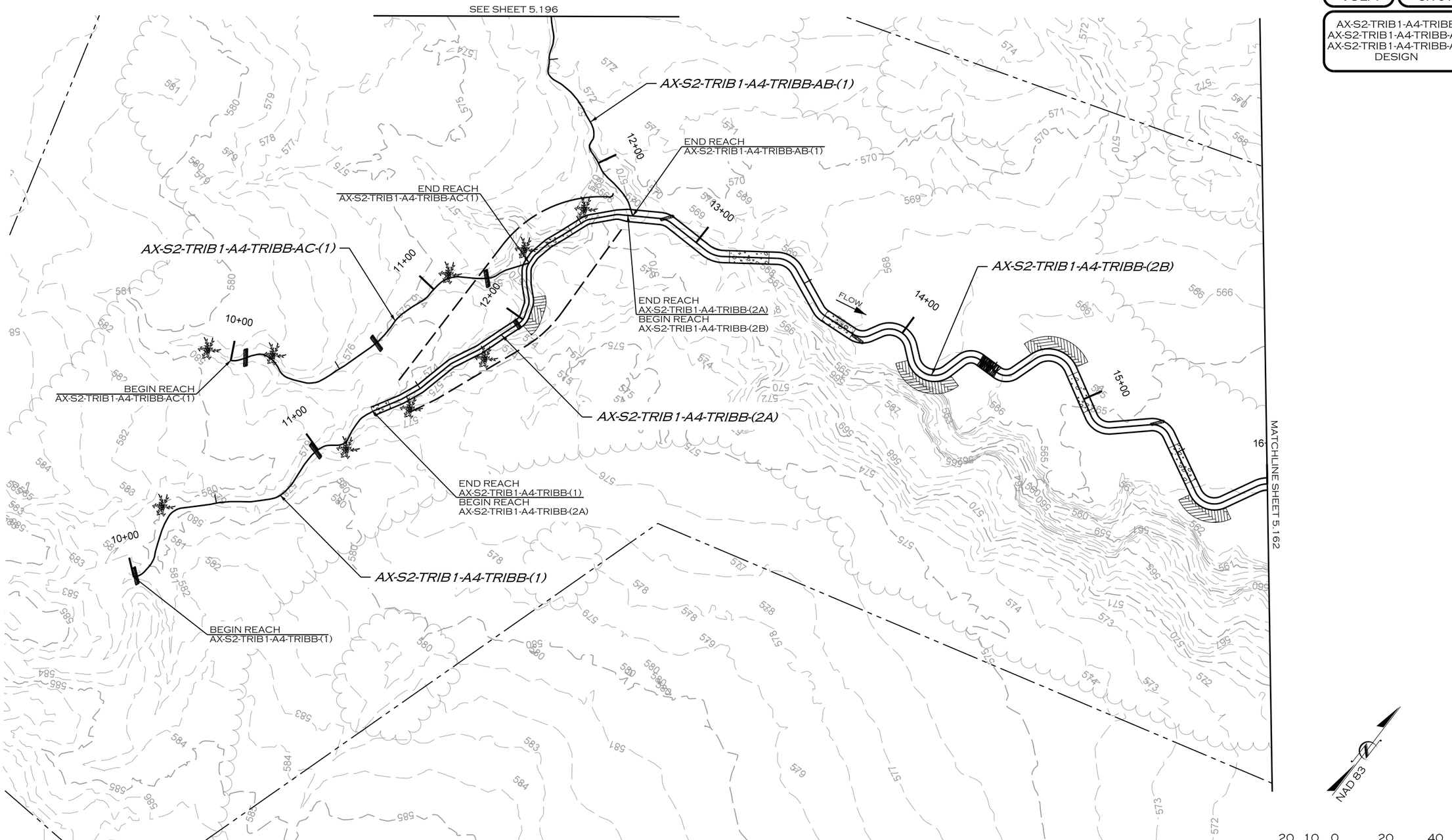
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.160.DGN
MKOEN

VOLUME NO. VOL. 1 | SHEET NO. 5.161

AX-S2-TRIB1-A4-TRIBB
AX-S2-TRIB1-A4-TRIBB-AB
AX-S2-TRIB1-A4-TRIBB-AC
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

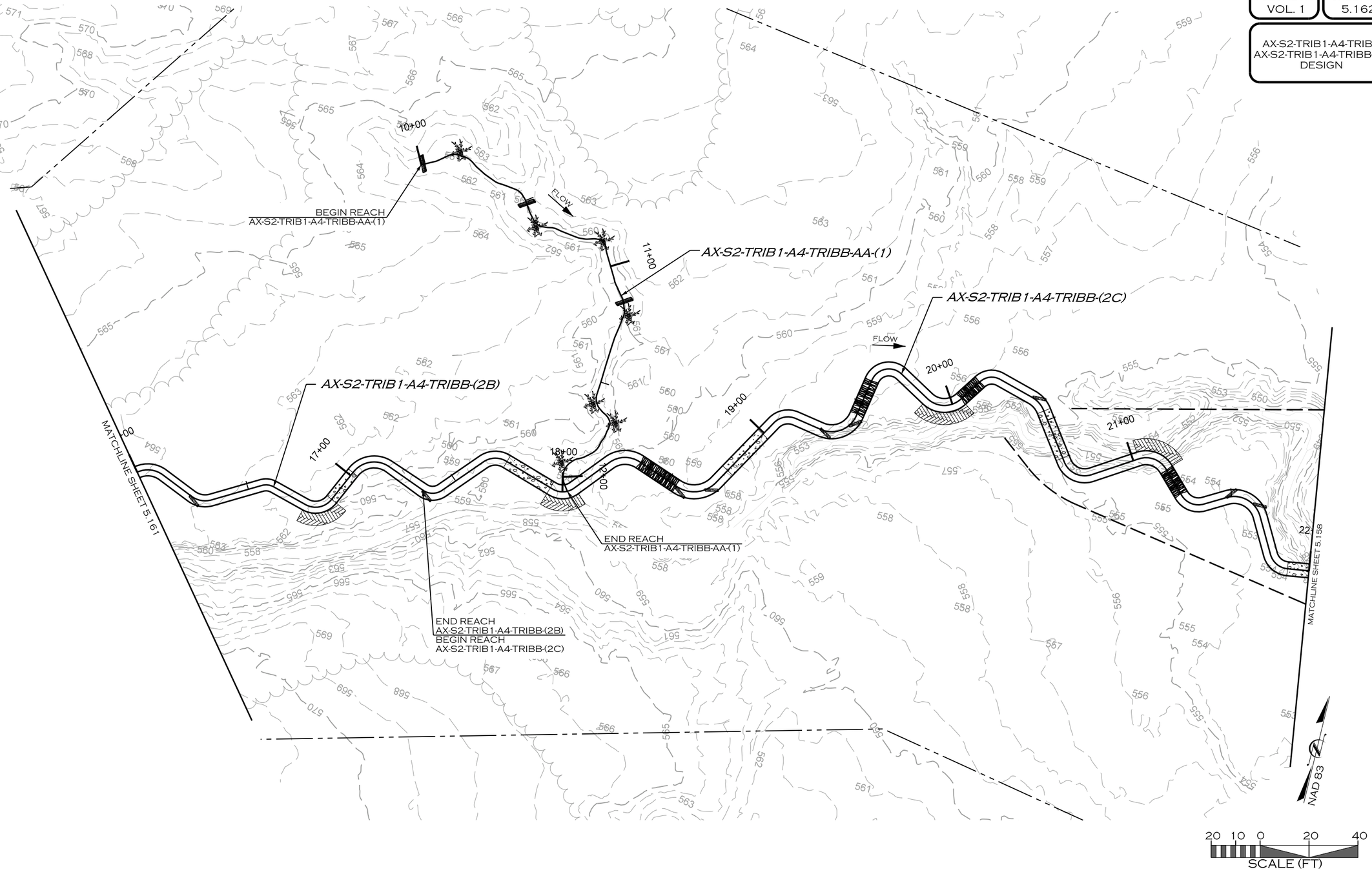
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.161.DGN
MKOENN

VOLUME NO. VOL. 1 | SHEET NO. 5.162

AX-S2-TRIB1-A4-TRIBB
AX-S2-TRIB1-A4-TRIBB-AA
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

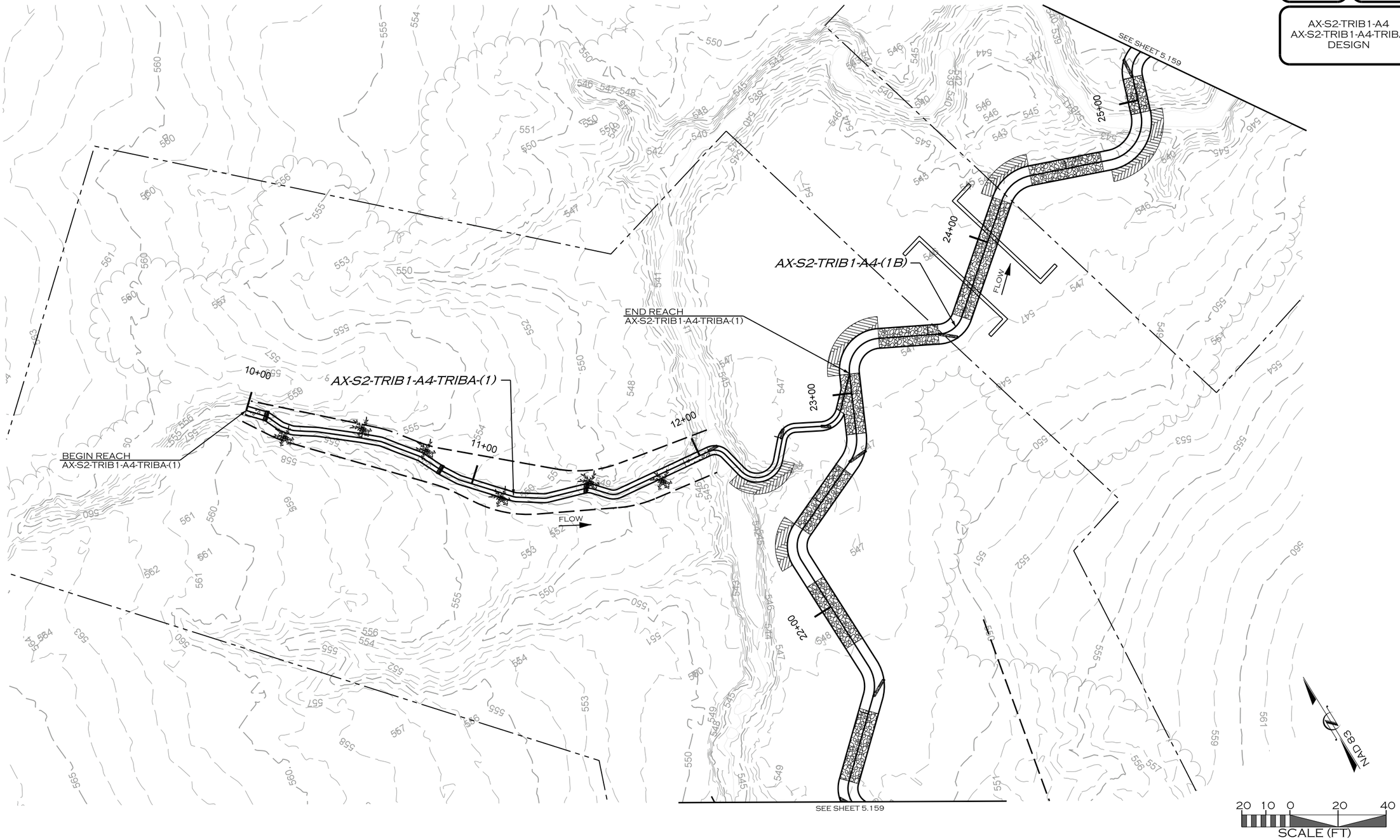
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.162.DGN
JKROON

VOLUME NO. VOL. 1 | SHEET NO. 5.163

AX-S2-TRIB1-A4
AX-S2-TRIB1-A4-TRIBA
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

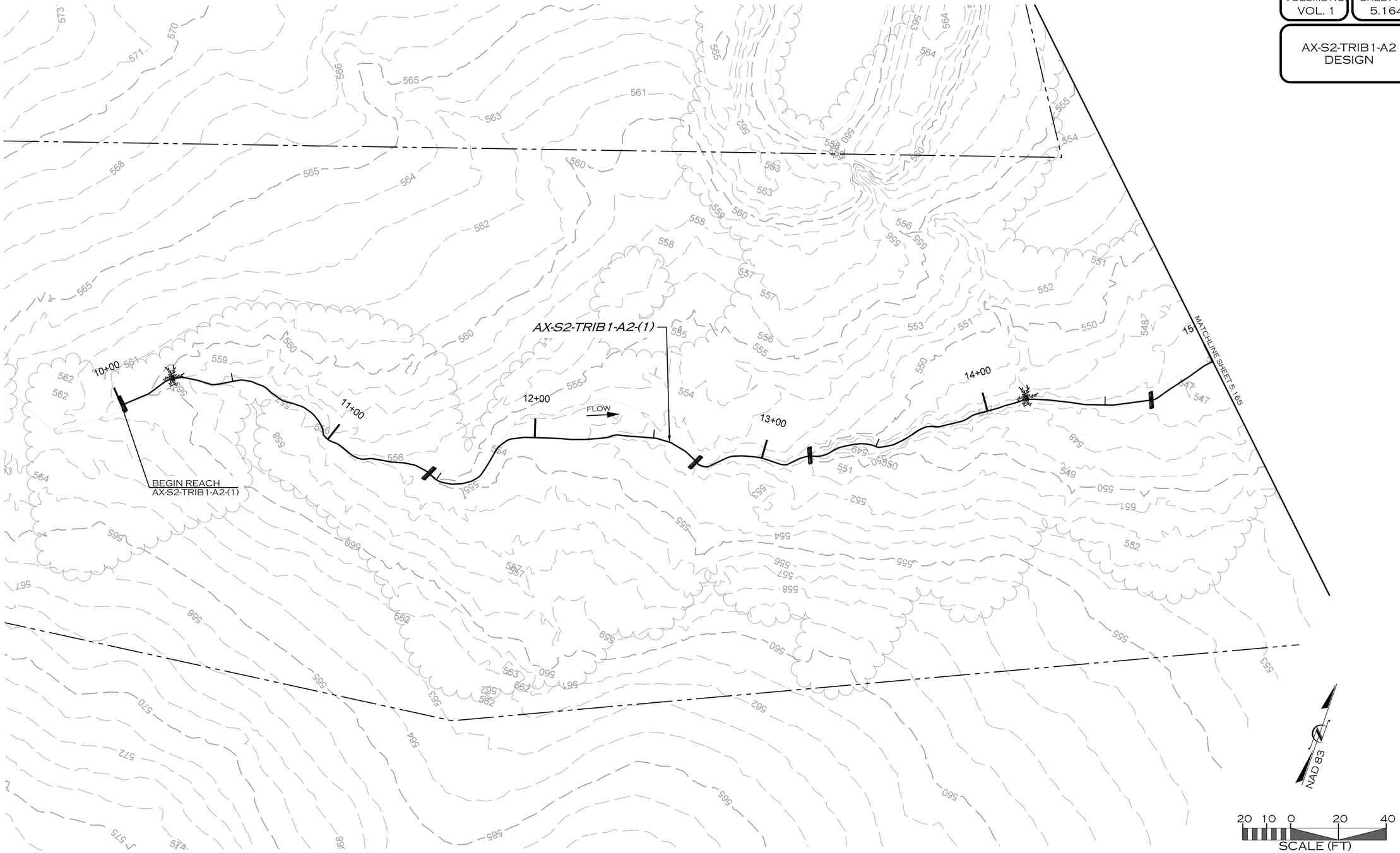
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DALO001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.163.DGN
MICHAN

VOLUME NO. VOL. 1 | SHEET NO. 5.164

AX-S2-TRIB1-A2
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

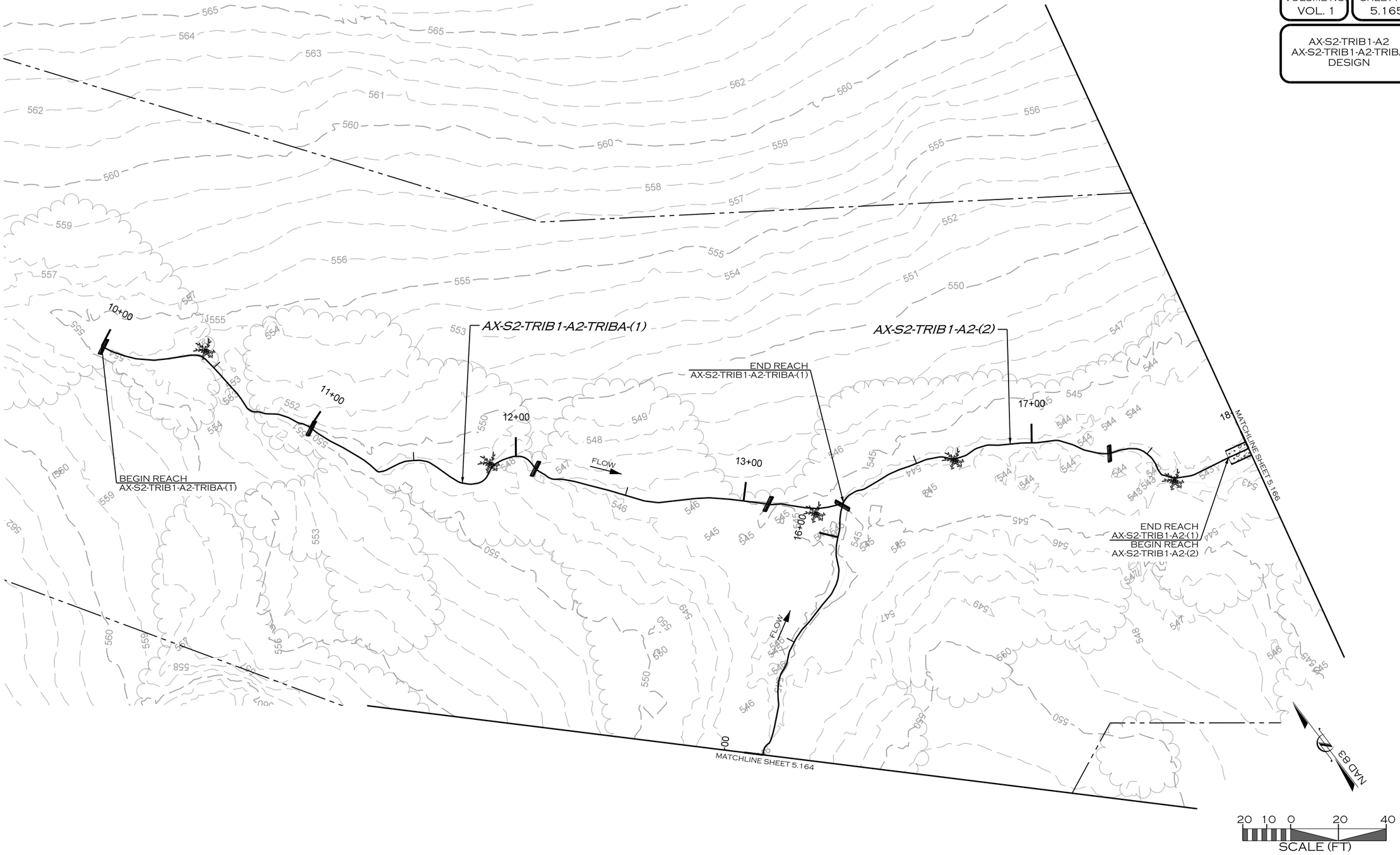
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.164.DGN
MKOEN

VOLUME NO.	SHEET NO.
VOL. 1	5.165

AX-S2-TRIB1-A2
AX-S2-TRIB1-A2-TRIBA
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

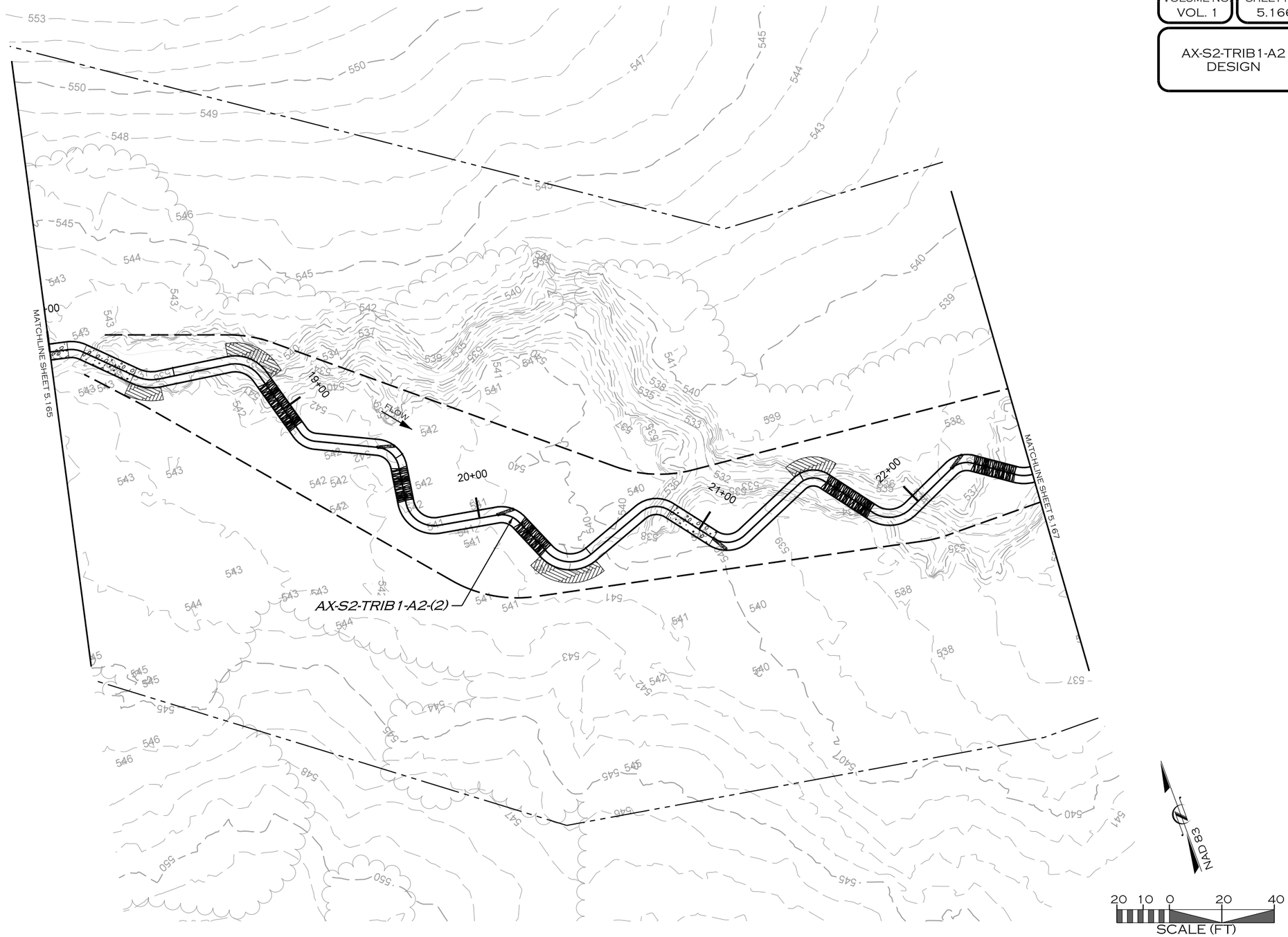
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL00001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.165.DGN
MKOEN

VOLUME NO.	SHEET NO.
VOL. 1	5.166

AX-S2-TRIB1-A2
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

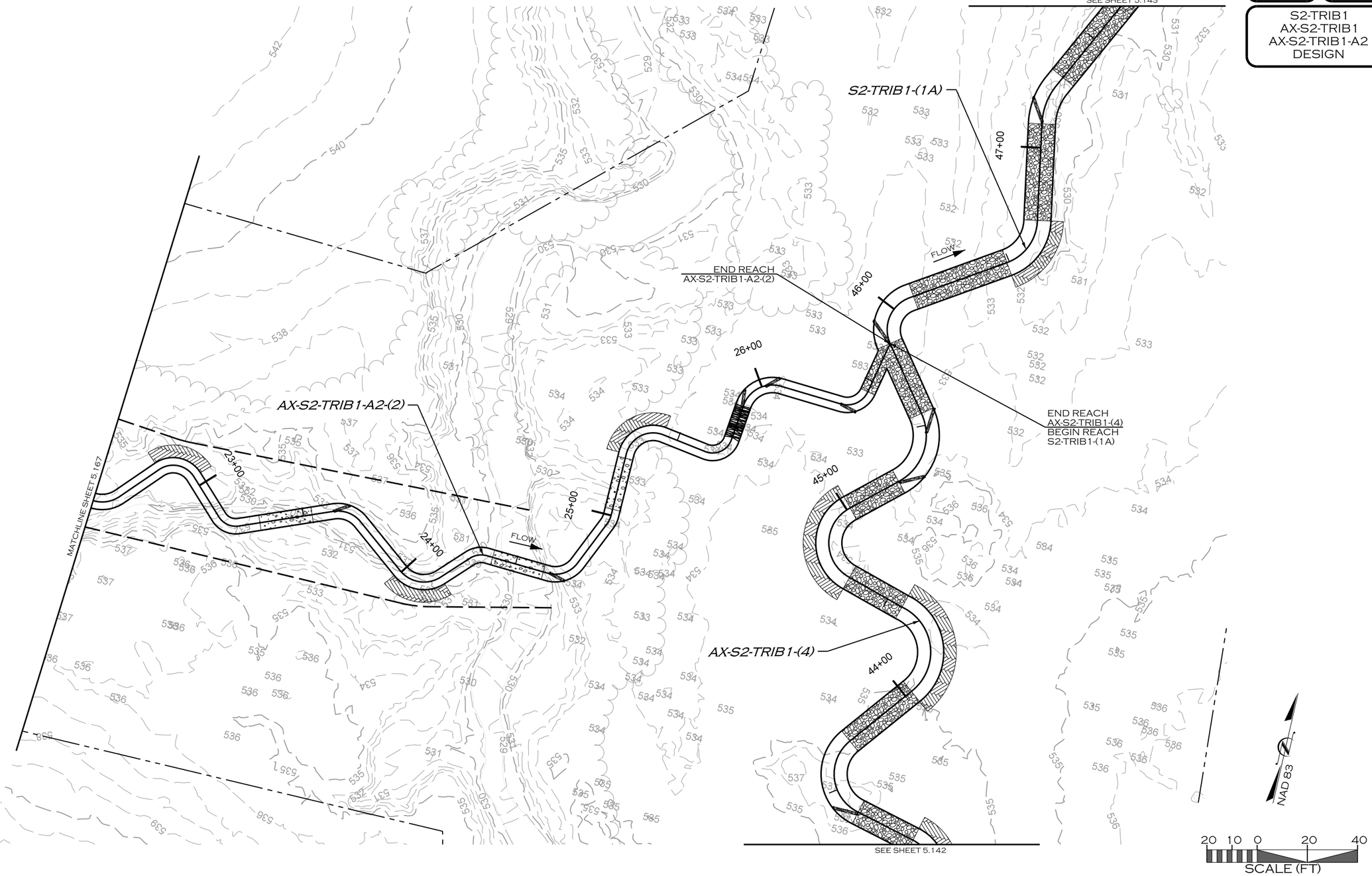
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DALO001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.166.DGN
MKOON

VOLUME NO. VOL. 1 | SHEET NO. 5.167

S2-TRIB1
AX-S2-TRIB1
AX-S2-TRIB1-A2
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

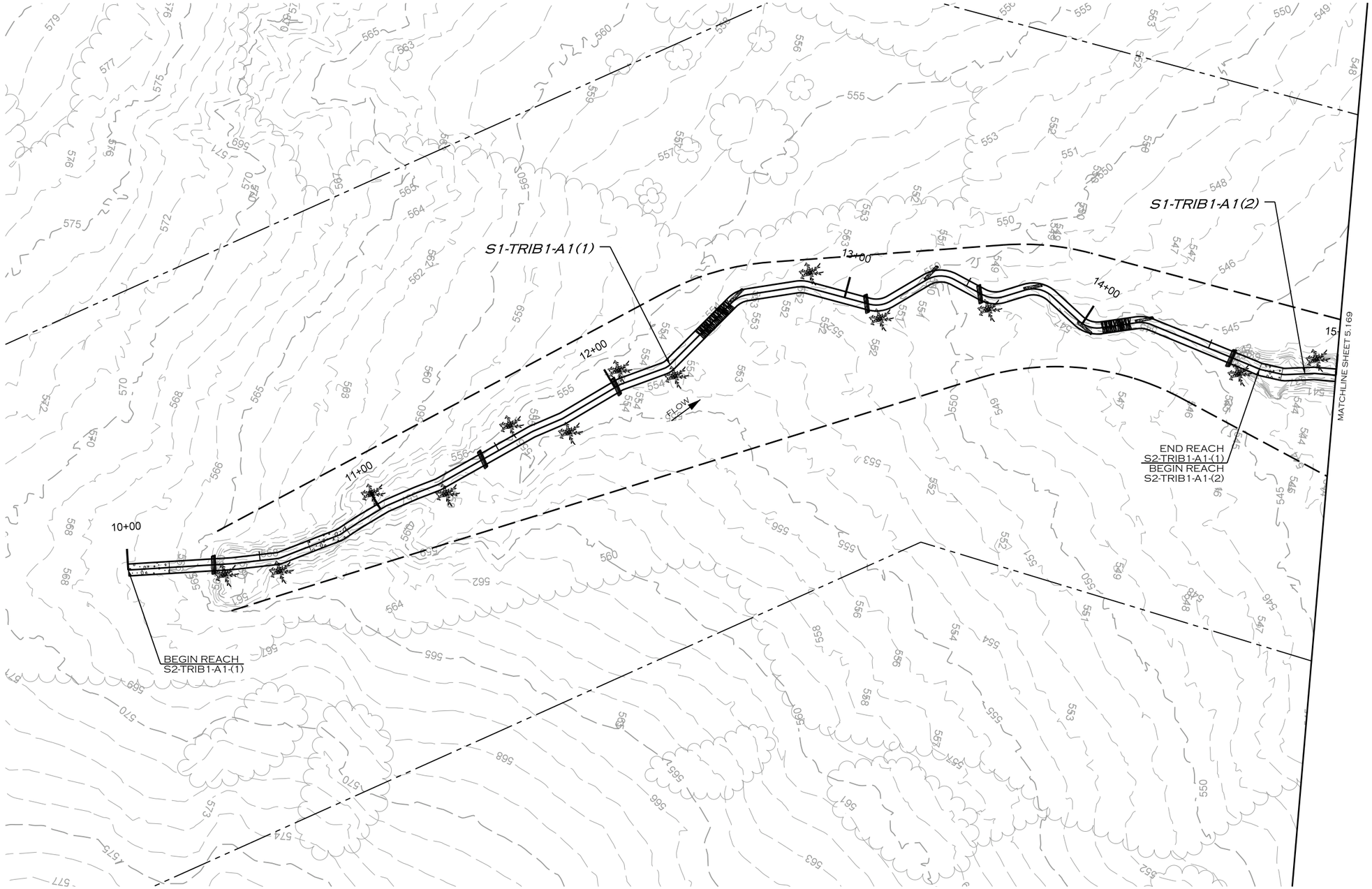
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.167.DGN
MICOR

VOLUME NO. VOL. 1 | SHEET NO. 5.168

S2-TRIB1-A1 DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.168.DGN
MICHAN

VOLUME NO. VOL. 1 | SHEET NO. 5.169

S2-TRIB1-A1 DESIGN

S1-TRIB1-A1(2)

S1-TRIB1-A1(3)

16+00

17+00

18+00

19+00

20+00

FLOW

END REACH
S2-TRIB1-A1-(2)
BEGIN REACH
S2-TRIB1-A1-(3)

MATCHLINE SHEET 5.168

MATCHLINE SHEET 5.170

NAD 83

20 10 0 20 40
SCALE (FT)

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.169.DGN
MKOEN

REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

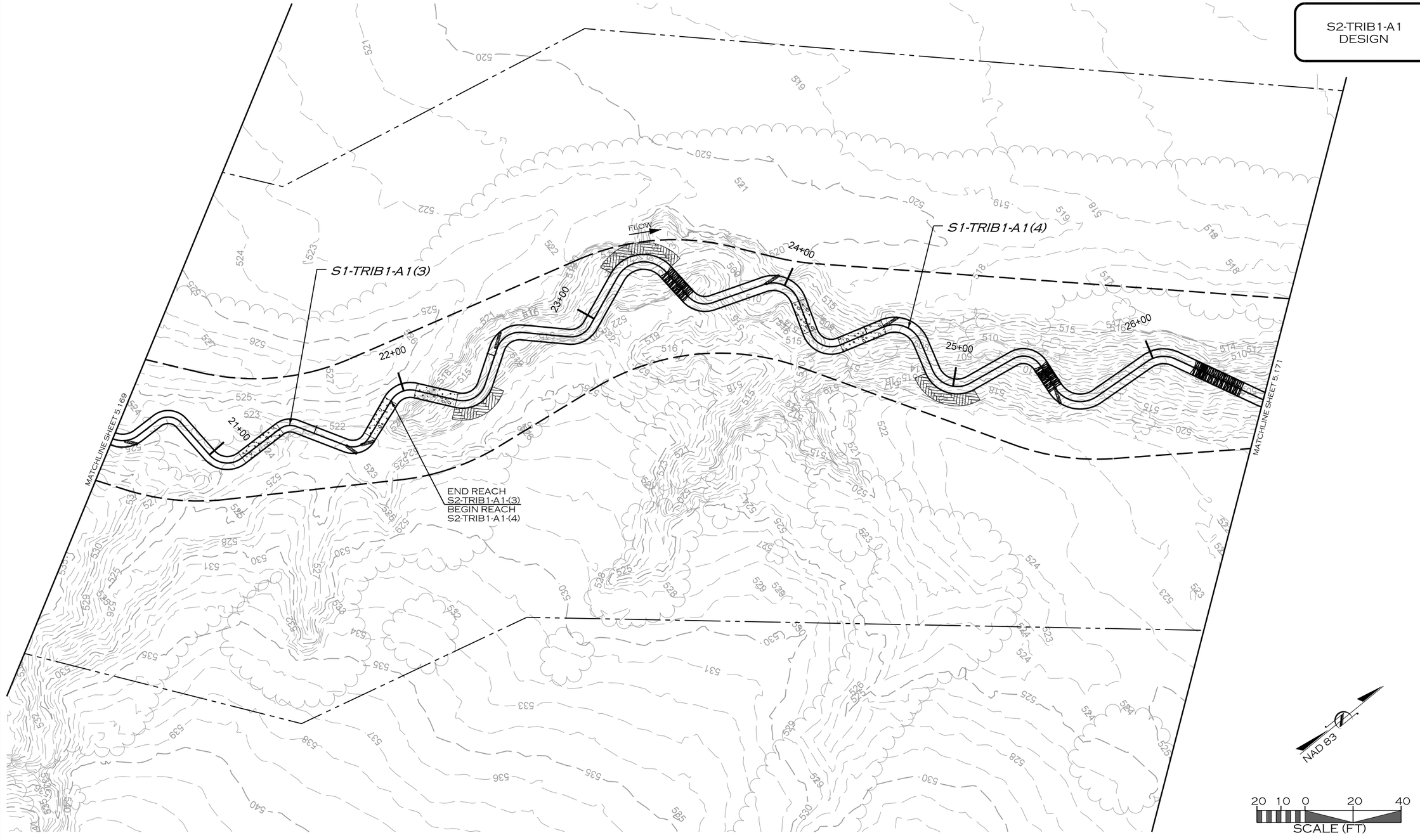
17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

VOLUME NO. VOL. 1 | SHEET NO. 5.170

S2-TRIB1-A1 DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.170.DGN
MWORD

VOLUME NO. VOL. 1 | SHEET NO. 5.171

S2-TRIB1-A1 DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV.	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.171.DGN
JRICON

VOLUME NO. VOL. 1 | SHEET NO. 5.172

S1-TRIB1 DESIGN

S1-TRIB1-(1A)

FLOW

BEGIN REACH S1-TRIB1-(1A)

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21

MATCHLINE SHEET 5.173

NAD 83

20 10 0 20 40
SCALE (FT)

REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV.	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

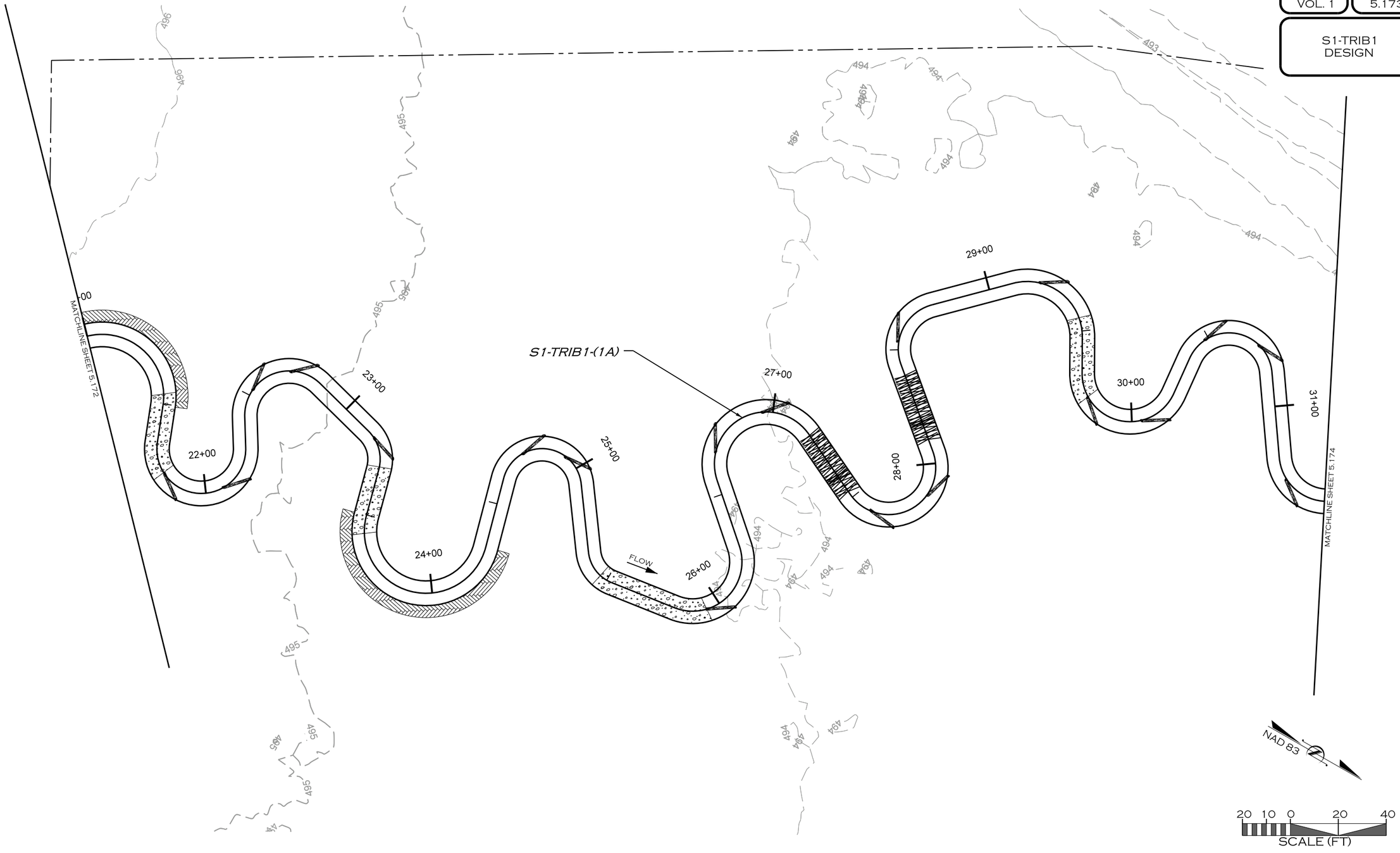
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.172.DGN
JRICON

VOLUME NO. VOL. 1 | SHEET NO. 5.173

S1-TRIB1 DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

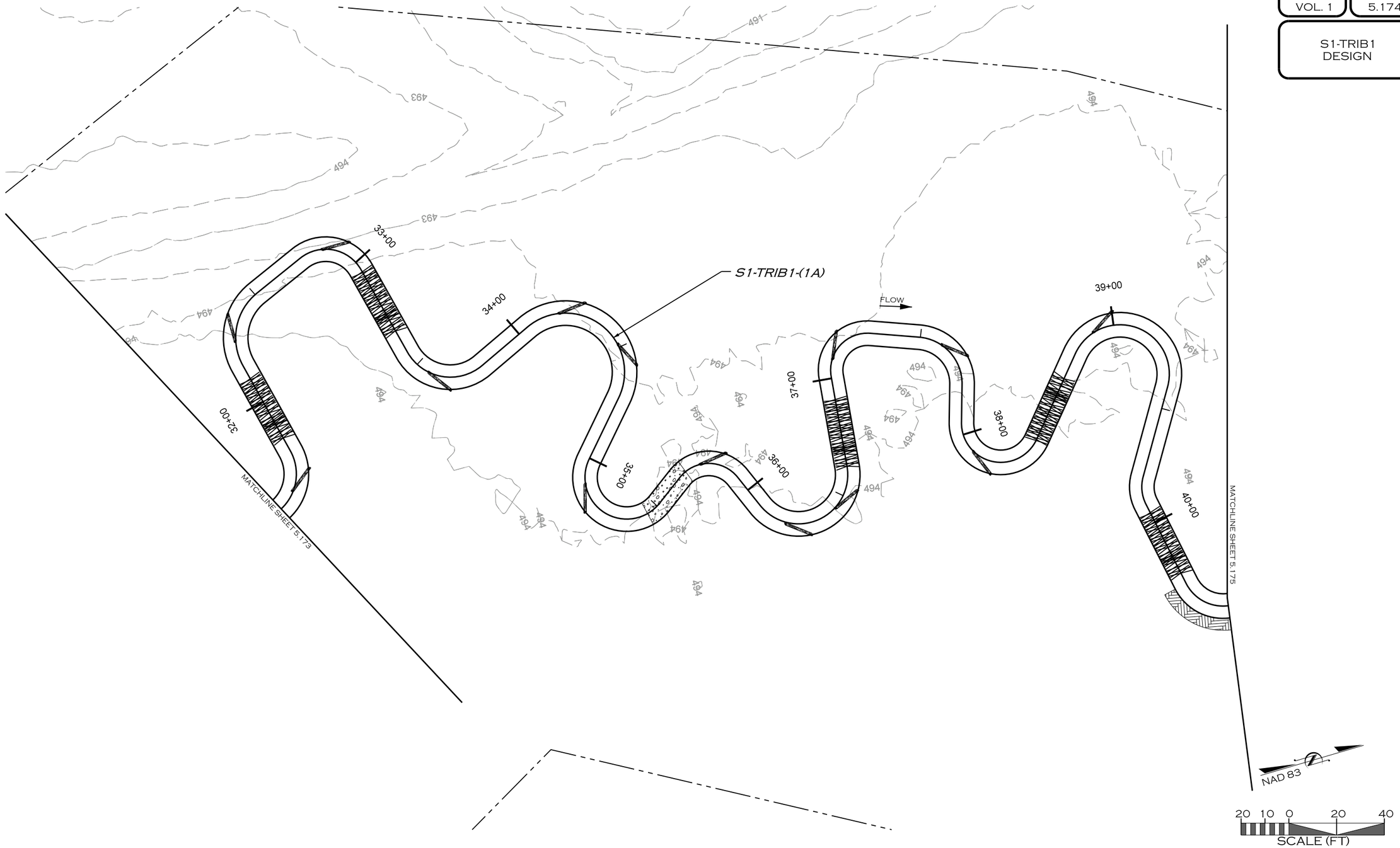
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.173.DGN
MICRO

VOLUME NO. VOL. 1 | SHEET NO. 5.174

S1-TRIB1 DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

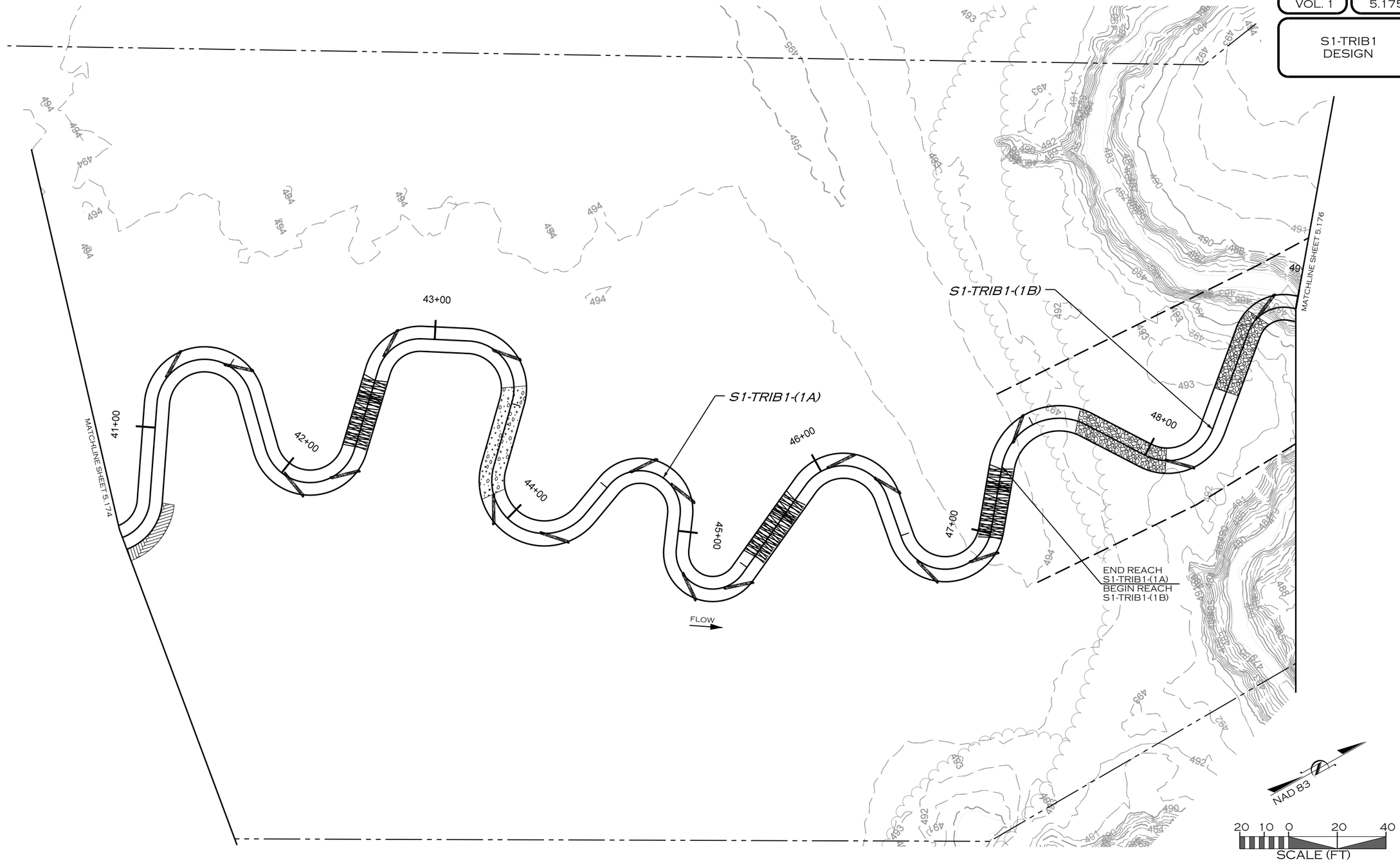
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.174.DGN
MKOEN

VOLUME NO. VOL. 1 | SHEET NO. 5.175

S1-TRIB1 DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

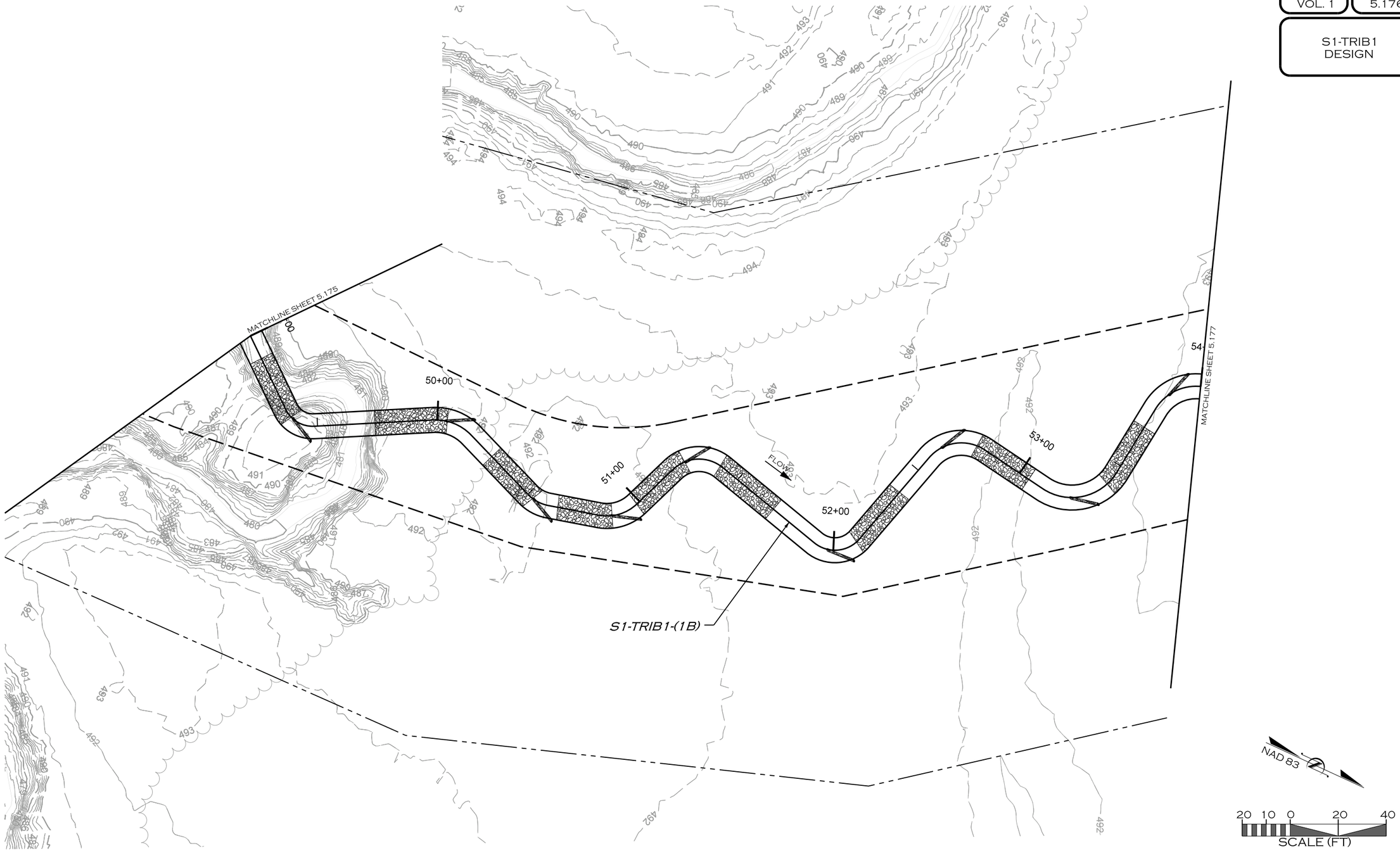
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY KEVIN TWEEDY PE#113620 FOR REGULATORY REVIEW PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.175.DGN
MICON

VOLUME NO.	SHEET NO.
VOL. 1	5.176

S1-TRIB1
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV.	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

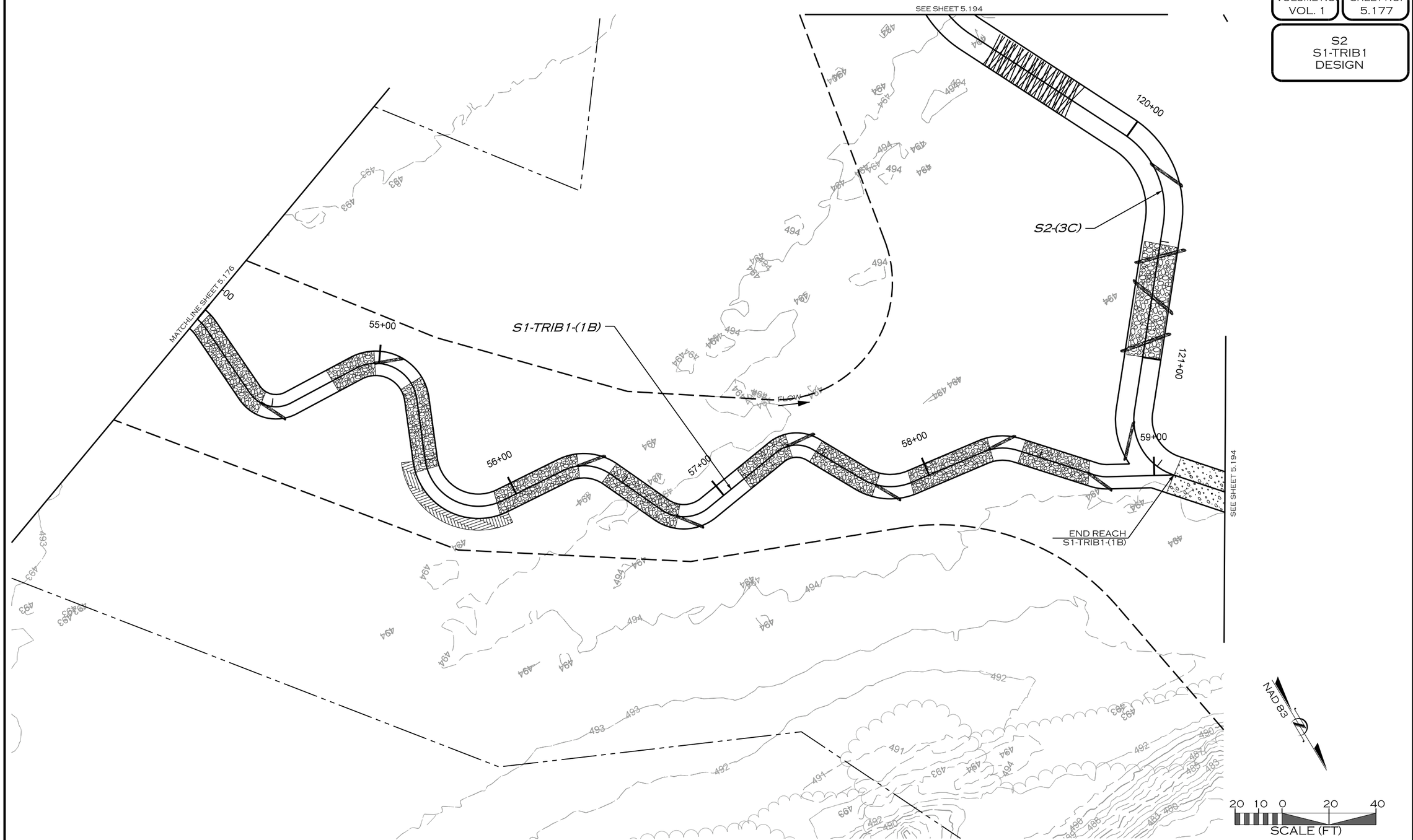
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL00011_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.176.DGN
JRICCIN

VOLUME NO. VOL. 1 | SHEET NO. 5.177

S2
S1-TRIB1
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

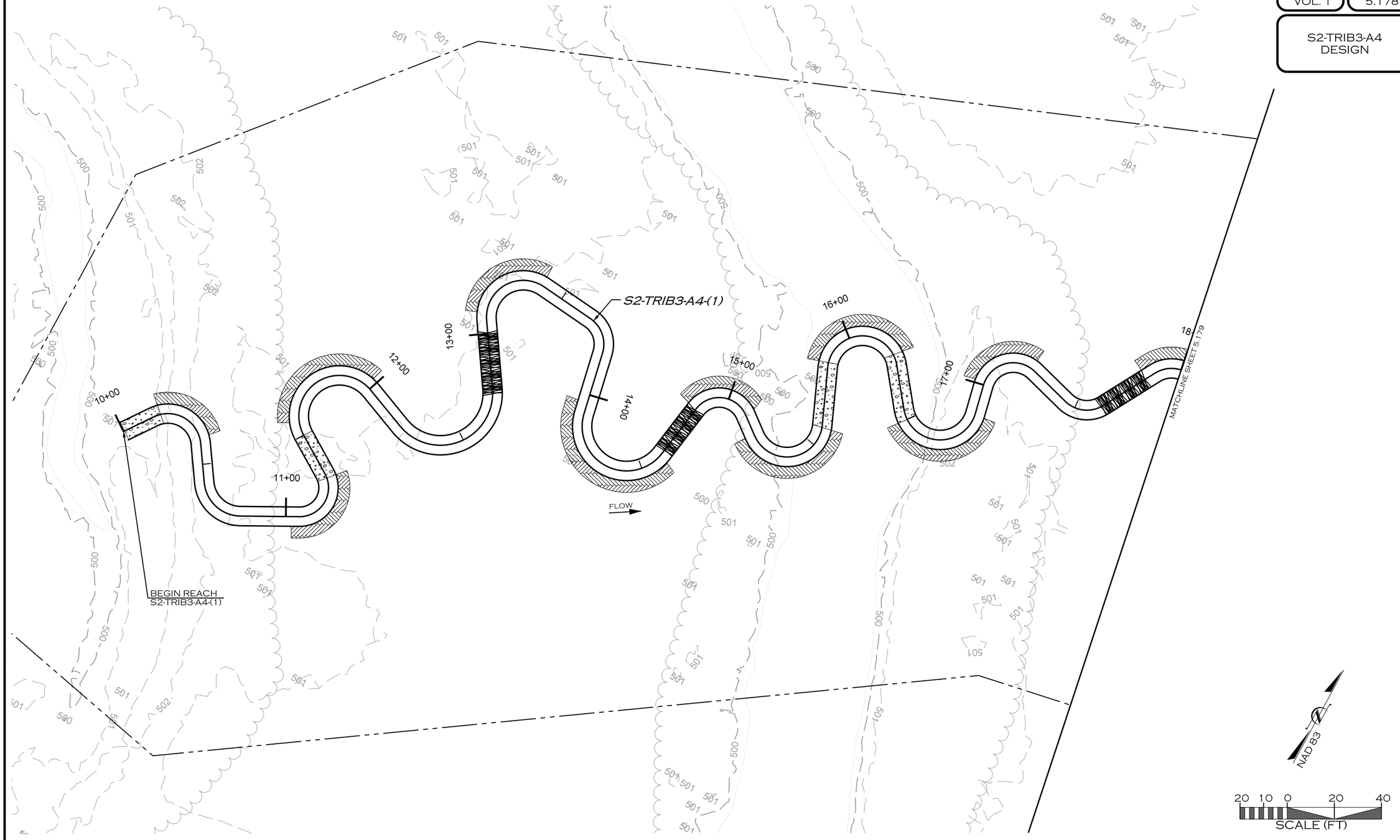
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.177.DGN
MICOR

VOLUME NO. VOL. 1 | SHEET NO. 5.178

S2-TRIB3-A4 DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV.	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL00011_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.178.DGN
BROWN

VOLUME NO.	SHEET NO.
VOL. 1	5.179

S2-TRIB3-A4
DESIGN



NAD 83

20 10 0 20 40
SCALE (FT)

REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

PROJECT ENGINEER

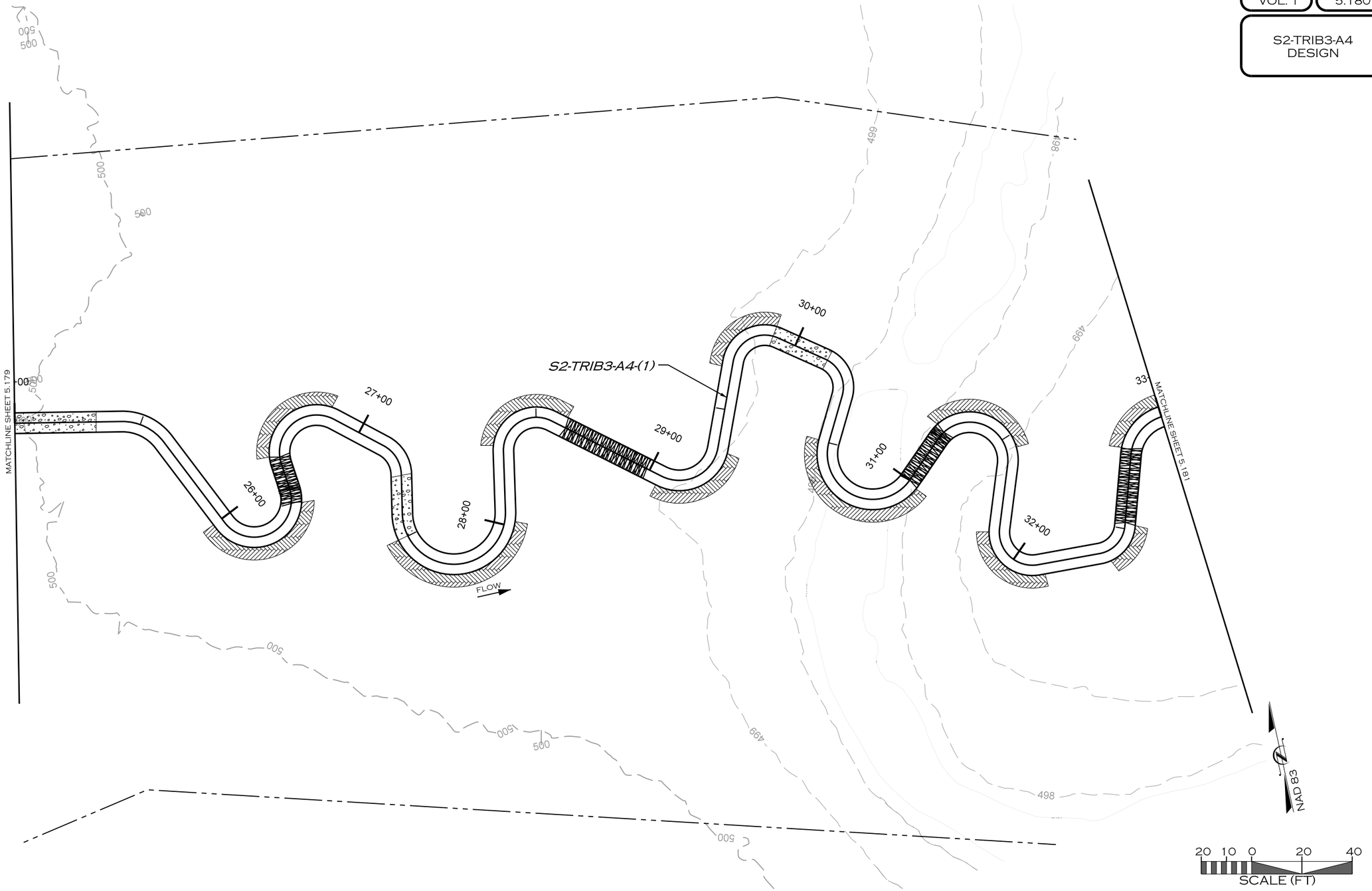
NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.179.DGN
MICOR

VOLUME NO.
VOL. 1

SHEET NO.
5.180

S2-TRIB3-A4
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

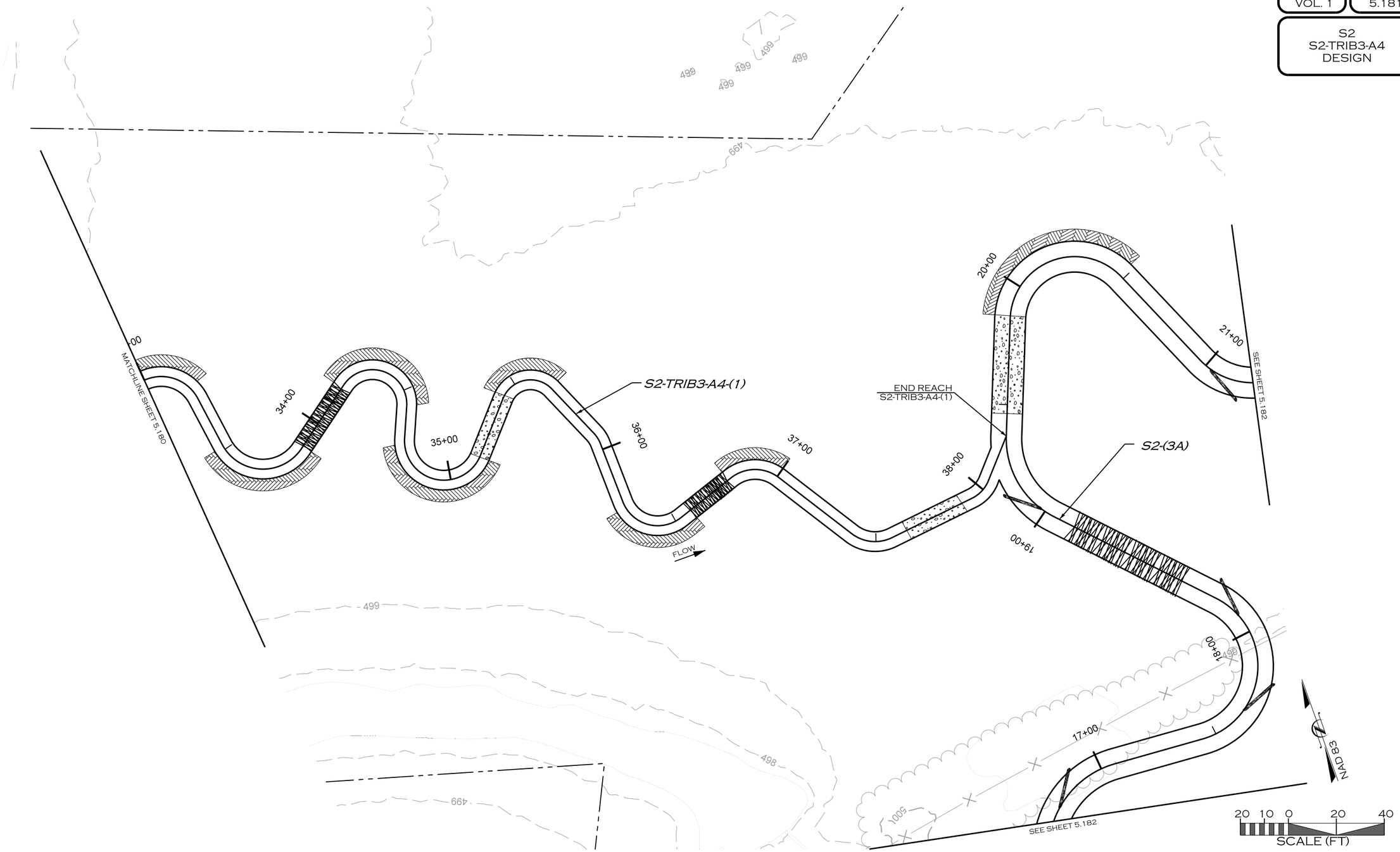
PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL00001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.180.DGN
MKOEN

VOLUME NO. VOL. 1 | SHEET NO. 5.181

S2
S2-TRIB3-A4
DESIGN



REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV.	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL00011_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.181.DGN
BROWN

VOLUME NO. VOL. 1 | SHEET NO. 5.182

S2
S2-TRIB3-A4
DESIGN

SEE SHEET 5.181

S2-TRIB3-A4-(1)

37+00

END REACH
S2-TRIB3-A4-(1)

38+00

20+00

19+00

21+00

MATCHLINE SHEET 5.183

SEE SHEET 5.74

11+00

144+00

0+00

END REACH
S2-TRIB3-(10)
BEGIN REACH
S2-(3A)

12+00

FLOW

17+00

18+00

16+00

14+00

13+00

S2-(3A)

15+00

NAD 83

20 10 0 20 40
SCALE (FT)

REVISIONS				
NO.	DESCRIPTION	ENGR.	APPROV	DATE
1	DRAFT DESIGN PLANS	EMP	KLT	7/01/19

PREPARED FOR:

UPPER TRINITY REGIONAL WATER DISTRICT

900 N KEALY ST
LEWISVILLE, TX 75057

LAKE RALPH HALL MITIGATION
MITIGATION ZONE A
FANNIN COUNTY, TEXAS

PREPARED IN THE OFFICE OF:

ECOSYSTEM PLANNING & RESTORATION

17575 N. ELDRIDGE PARKWAY, BLDG. C
TOMBALL, TX 77377
TEXAS REGISTERED ENGINEERING FIRM F-14997

PROJECT ENGINEER

NOT FOR CONSTRUCTION
THESE DRAWINGS WERE ISSUED BY
KEVIN TWEEDY PE#113620
FOR REGULATORY REVIEW
PURPOSES ONLY

7/11/2019
R:\PROJECTS\DAL0001_LAKE_RALPH_HALL\CADD\MIT AREA A\PLANS\LRH_PSH_5.182.DGN
MKOEN