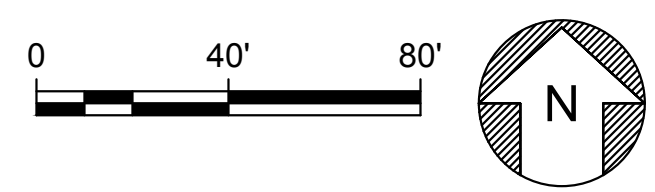


**SADDLE DIKE 1 ALIGNMENT
LINE TABLE**

LINE #	START STATION	START POINT (N,E)	END STATION	END POINT (N,E)
L1	0+00	2277432.34, 6457816.18	3+50	2277441.36, 6458166.07



LEGEND
 DH-103 EXIST BORING

PLAN
 SCALE: 1" = 40'

File: c:\pwworking\hdr_sites_reservoir\dms02914\STS-1223-C-2001.dwg
 Plot Date: 3/22/2024 9:42 AM
 Saved By: IVACHUK3507

REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY:
E. CERNA ALVAREZ

DRAWN BY:
E. CERNA ALVAREZ

CHECKED BY:
A. PUJOL

IN CHARGE:
M. SMITH

DATE:
03/15/24



REGISTERED
 PROFESSIONAL
 ENGINEER
 A. PUJOL
 C 37051
 CALIFORNIA



SITES RESERVOIR

**SADDLE DIKE 1
 CIVIL
 EMBANKMENT
 PLAN**

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL
 DRAWING. ADJUST SCALES FOR
 REDUCED PLOTS

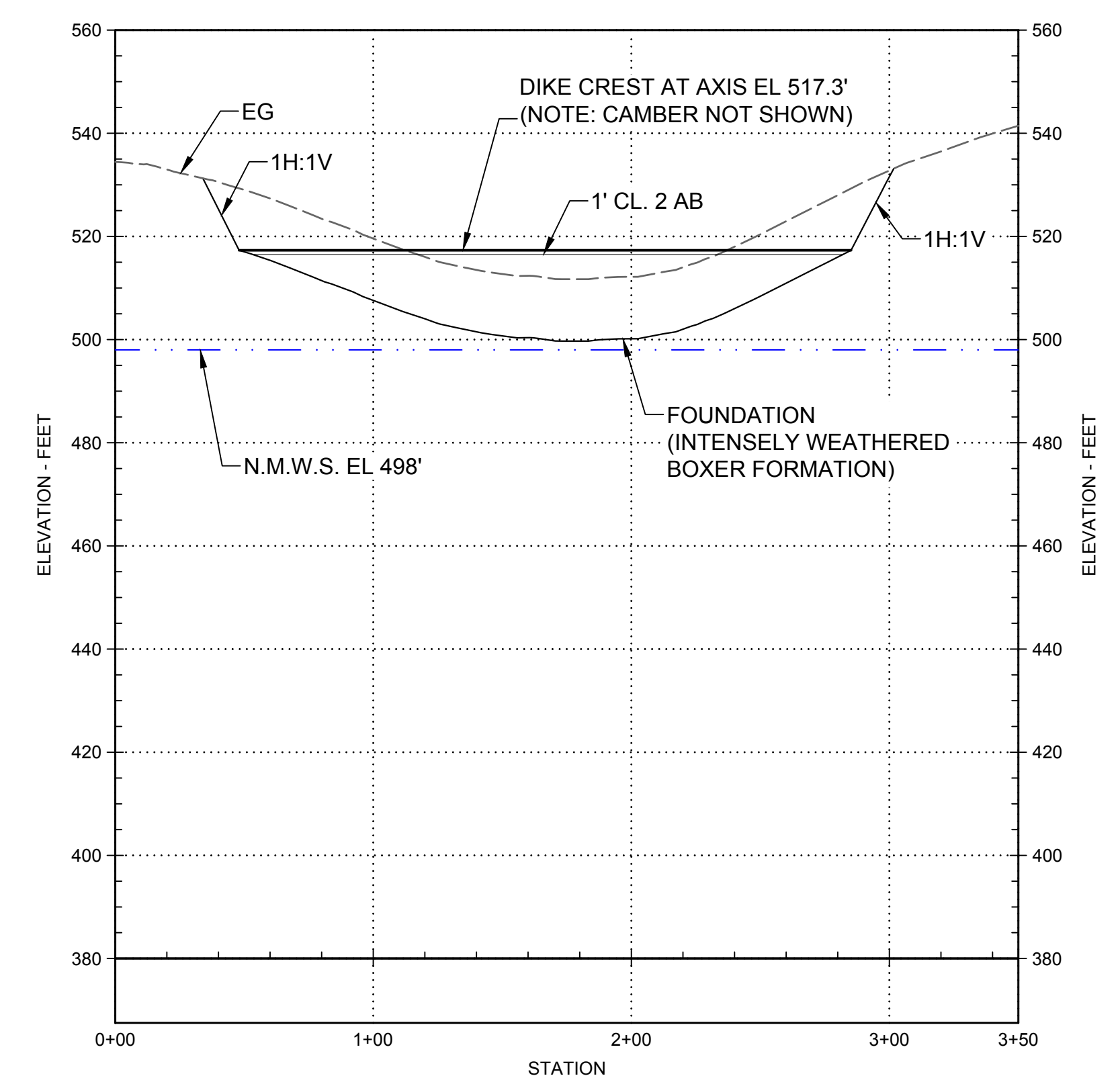
0 40' 80' 1"

DRAWING NO.
 STS-1223-C-2001
 SHT OF

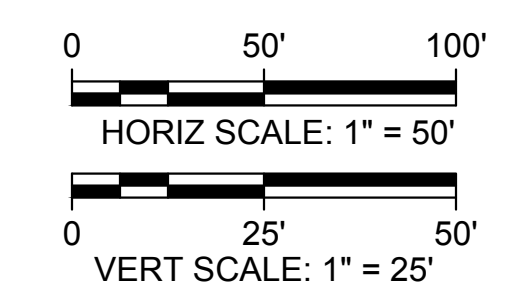
30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

1. FOR DESCRIPTION OF EMBANKMENT MATERIALS IN EACH ZONE AND GRADATION BANDS, SEE STS-0001-G-0027.



PROFILE
 HORIZ SCALE: 1" = 50'
 VERT SCALE: 1" = 25'



Plot Date: 3/22/2024 9:42 AM
 Saved By: EDUCER2384
 File: c:\pwworking\hdr_sites_reservoir\dms02914\STS-1223-C-3001.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
E. CERNA ALVAREZ

DRAWN BY:
E. CERNA ALVAREZ

CHECKED BY:
A. PUJOL

IN CHARGE:
M. SMITH

DATE:
03/15/24



REGISTERED PROFESSIONAL ENGINEER
 A. PUJOL
 C 37051
 CALIFORNIA



SITES RESERVOIR

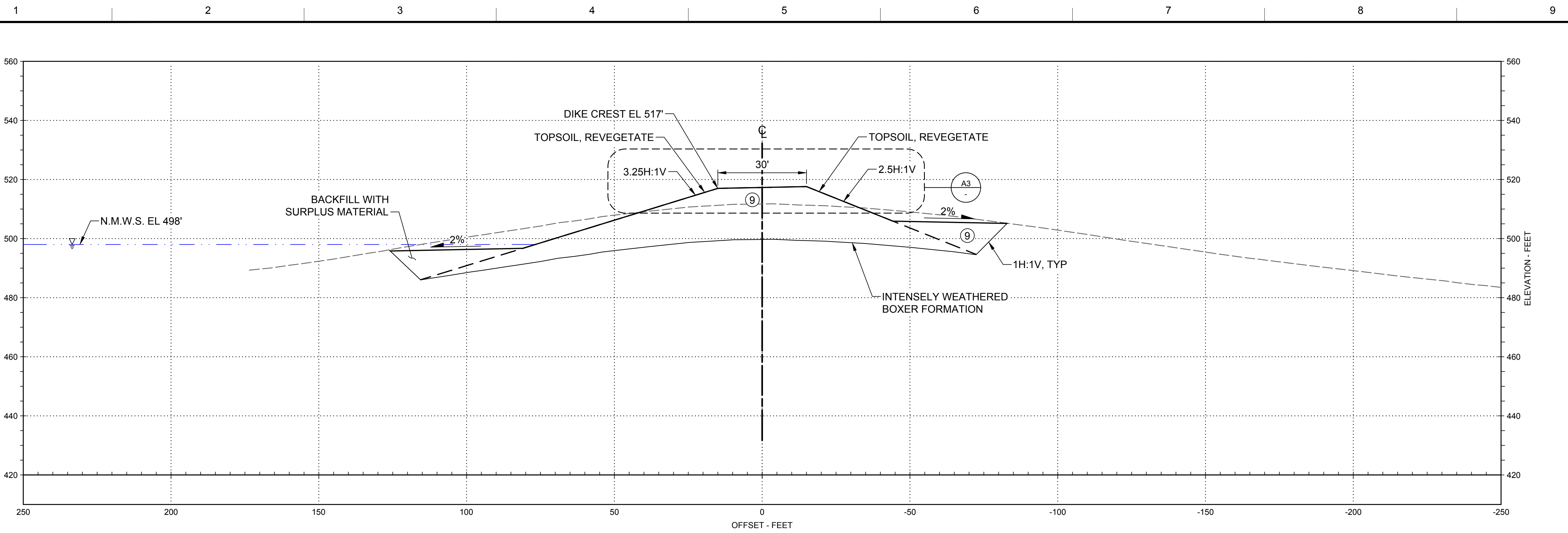
**SADDLE DIKE 1
 CIVIL
 EMBANKMENT
 PROFILE**

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

0 1"

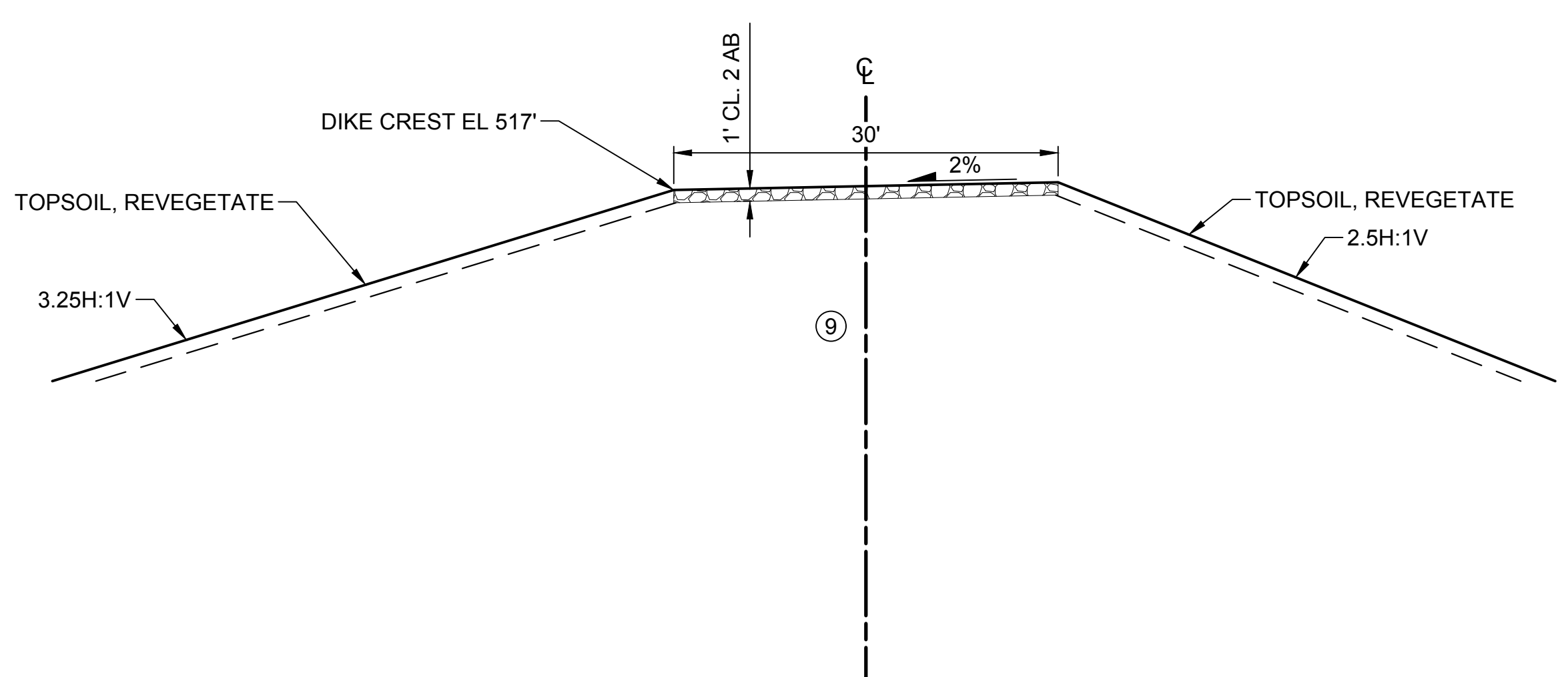
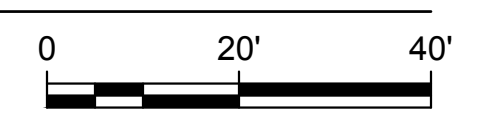
DRAWING NO.
 STS-1223-C-3001
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

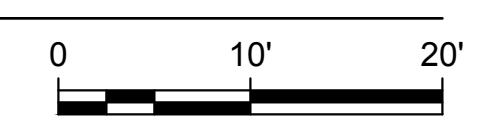


D1 SECTION - 1+73
SCALE: 1" = 20'

STS-1223-C-2001



A3 DETAIL - SADDLE DIKE CREST
SCALE: 1" = 10' NOTE: CAMBER NOT SHOWN



GENERAL NOTES

- FOR DESCRIPTION OF EMBANKMENT MATERIALS IN EACH ZONE AND GRADATION BANDS, SEE STS-0001-G-0027.

Plot Date: 3/22/2024 9:42 AM
Saved By: EDUCER2384
File: c:\pwworking\hdr_sites_reservoir\dms02914\STS-1223-C-3101.dwg

REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY:	E. CERNA ALVAREZ
DRAWN BY:	E. CERNA ALVAREZ
CHECKED BY:	A. PUJOL
IN CHARGE:	M. SMITH
DATE:	03/15/24



REGISTERED PROFESSIONAL ENGINEER
A. PUJOL
C 37051
CALIFORNIA

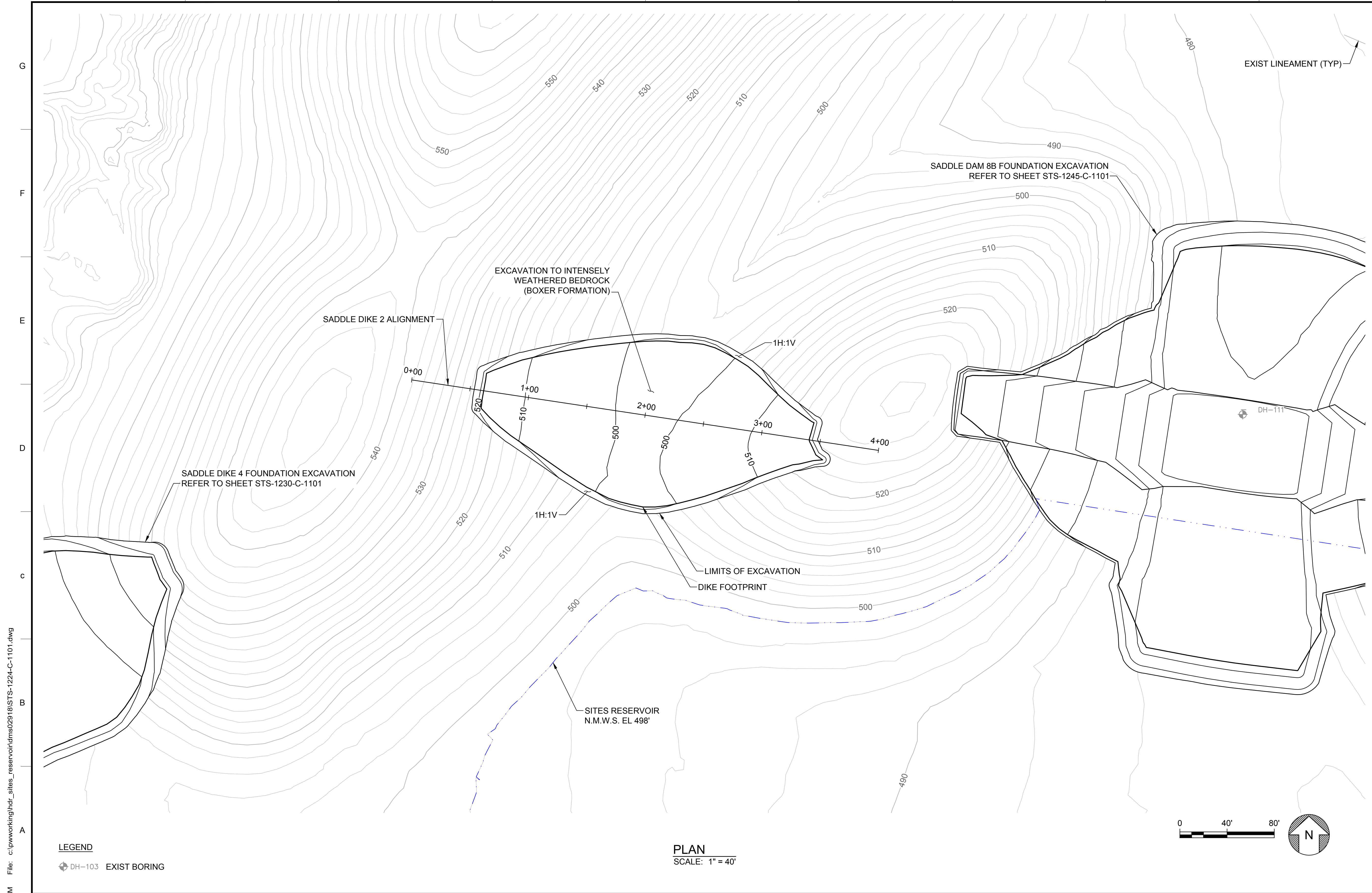


SITES RESERVOIR

**SADDLE DIKE 1
CIVIL
EMBANKMENT
SECTION**

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS
0 1"
DRAWING NO.
STS-1223-C-3101
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



GENERAL NOTES

1. EXCAVATION CONTOURS ARE APPROXIMATE. THE EXCAVATION SHALL BE PERFORMED TO THE ROCK QUALITY SHOWN, AS DETERMINED BY THE ENGINEER AND APPROVED BY DSOD. FIELD IDENTIFICATION CRITERIA FOR THE FOUNDATION IS PROVIDED IN SECTION #### OF THE TECHNICAL SPECIFICATIONS.
2. EXCAVATION BACK-CUTS SHALL BE CONSTRUCTED NO STEEPER THAN WHAT IS SHOWN BUT MAY BE FLATTER IF REQUIRED FOR A STABLE EXCAVATION.

File: c:\pwworking\hdr_sites_reservoir\dms02918\STS-1224-C-1101.dwg
 Plot Date: 3/22/2024 9:43 AM
 Saved By: IVACRU3507

LEGEND
 DH-103 EXIST BORING

PLAN
 SCALE: 1" = 40'

REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY:
E. CERNA ALVAREZ

DRAWN BY:
E. CERNA ALVAREZ

CHECKED BY:
A. PUJOL

IN CHARGE:
M. SMITH

DATE:
03/15/24



REGISTERED PROFESSIONAL ENGINEER
 A. PUJOL
 C 37051
 CALIFORNIA



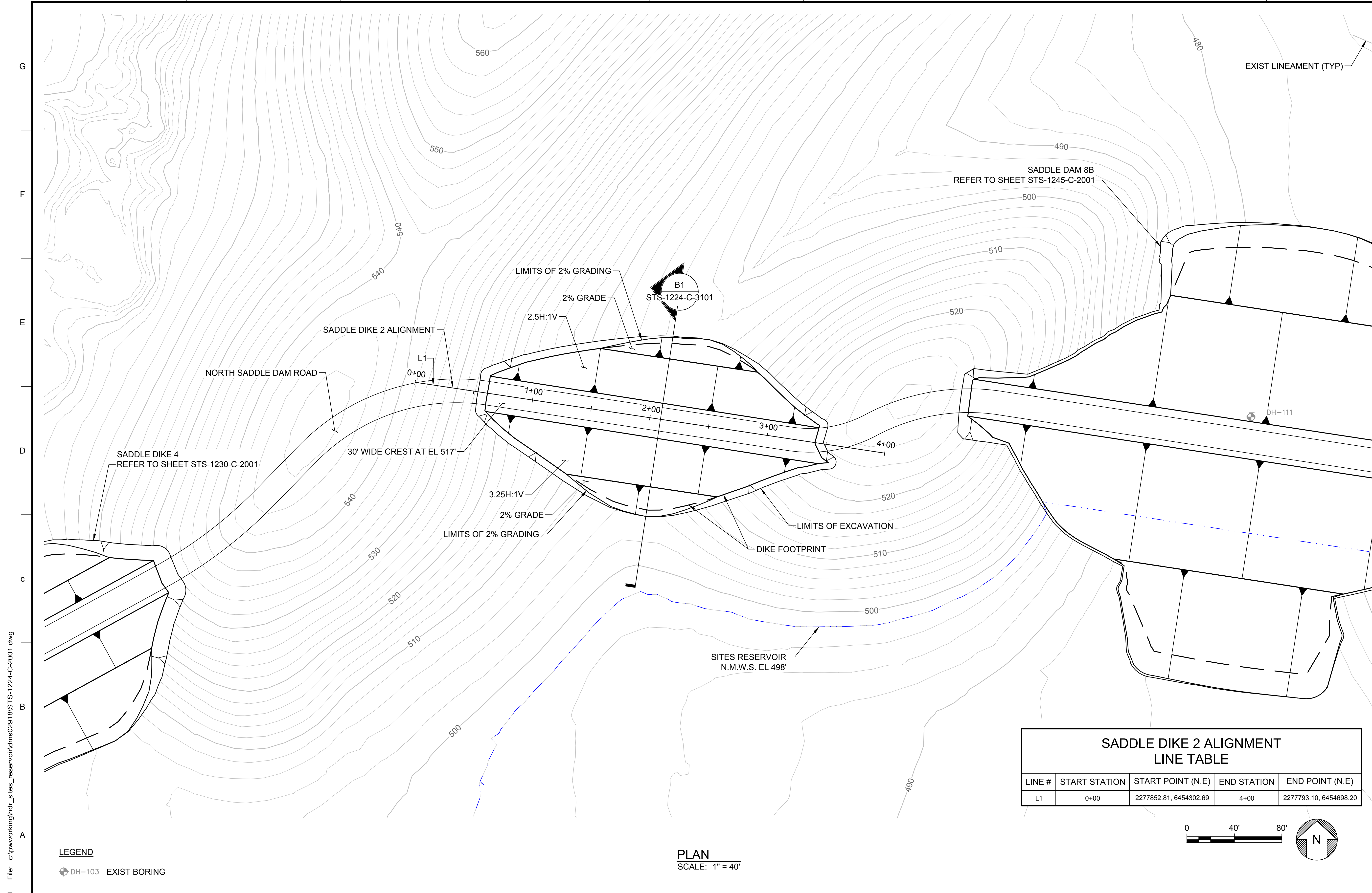
SITES RESERVOIR
SADDLE DIKE 2
CIVIL
FOUNDATION EXCAVATION
PLAN

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

0 40' 80' 1"

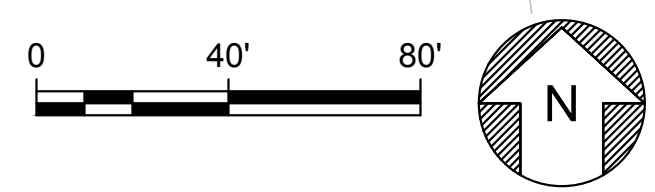
DRAWING NO.
 STS-1224-C-1101
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



**SADDLE DIKE 2 ALIGNMENT
LINE TABLE**

LINE #	START STATION	START POINT (N,E)	END STATION	END POINT (N,E)
L1	0+00	2277852.81, 6454302.69	4+00	2277793.10, 6454698.20



LEGEND
 DH-103 EXIST BORING

PLAN
 SCALE: 1" = 40'

Plot Date: 3/22/2024 9:43 AM
 Saved By: EDUCER2384
 File: c:\pwworking\hdr_sites_reservoir\dms02918\STS-1224-C-2001.dwg

DESIGNED BY:	E. CERNA ALVAREZ
DRAWN BY:	E. CERNA ALVAREZ
CHECKED BY:	A. PUJOL
IN CHARGE:	M. SMITH
DATE:	03/15/24



REGISTERED
 PROFESSIONAL
 ENGINEER
 A. PUJOL
 C 37051
 CALIFORNIA



SITES RESERVOIR
 SADDLE DIKE 2
 CIVIL
 EMBANKMENT
 PLAN

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL
 DRAWINGS. ADJUST SCALES FOR
 REDUCED PLOTS

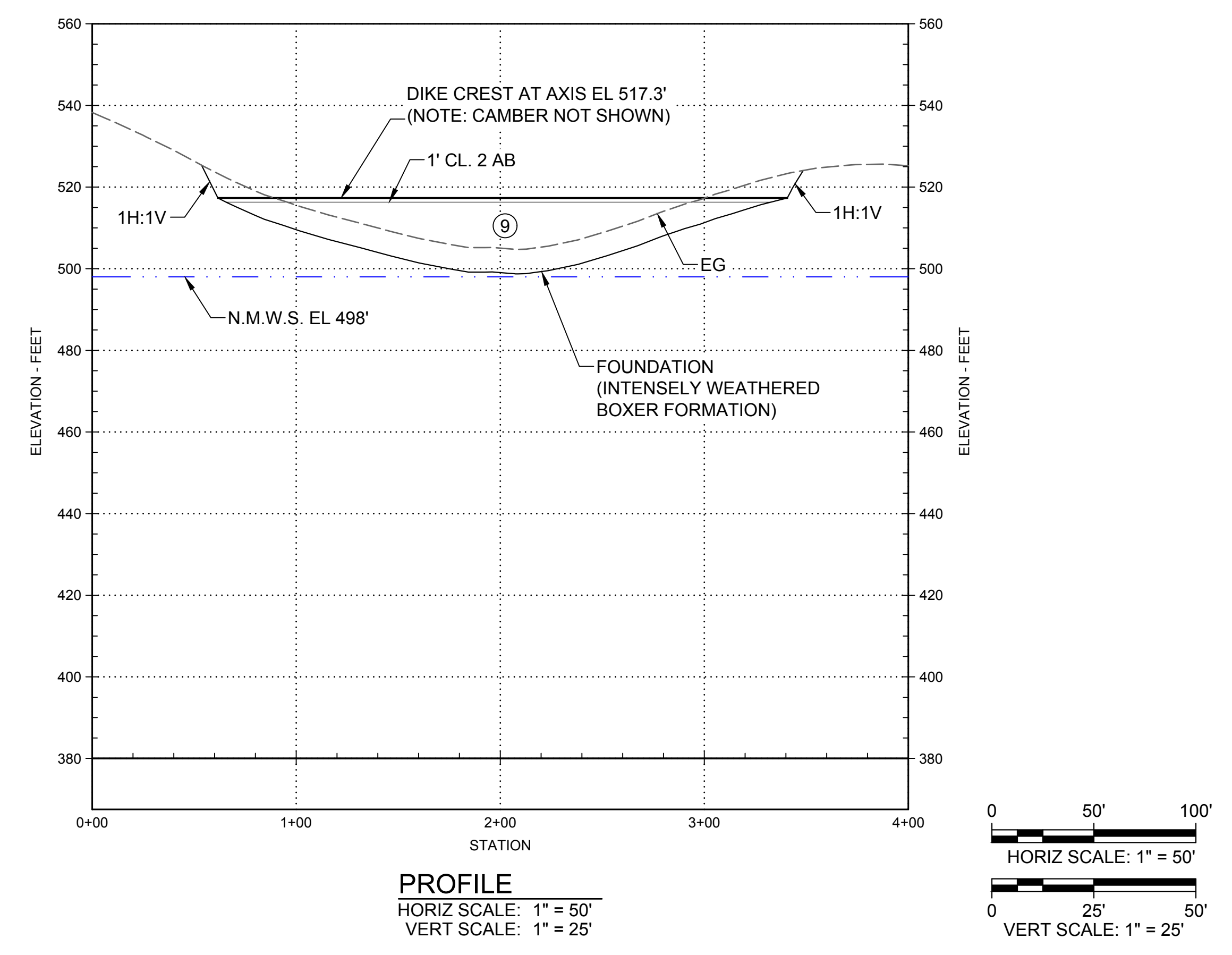
0 40' 80' 1"

DRAWING NO.
 STS-1224-C-2001
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

1. FOR DESCRIPTION OF EMBANKMENT MATERIALS IN EACH ZONE AND GRADATION BANDS, SEE STS-0001-G-0027.



PROFILE
 HORIZ SCALE: 1" = 50'
 VERT SCALE: 1" = 25'

Plot Date: 3/22/2024 9:43 AM
 Saved By: EDUCER2384
 File: c:\pwworking\hdr_sites_reservoir\dms02918\STS-1224-C-3001.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
E. CERNA ALVAREZ

DRAWN BY:
E. CERNA ALVAREZ

CHECKED BY:
A. PUJOL

IN CHARGE:
M. SMITH

DATE:
03/15/24



REGISTERED PROFESSIONAL ENGINEER
 A. PUJOL
 C 37051
 CALIFORNIA



SITES RESERVOIR

SADDLE DIKE 2
 CIVIL
 EMBANKMENT
 PROFILE

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS

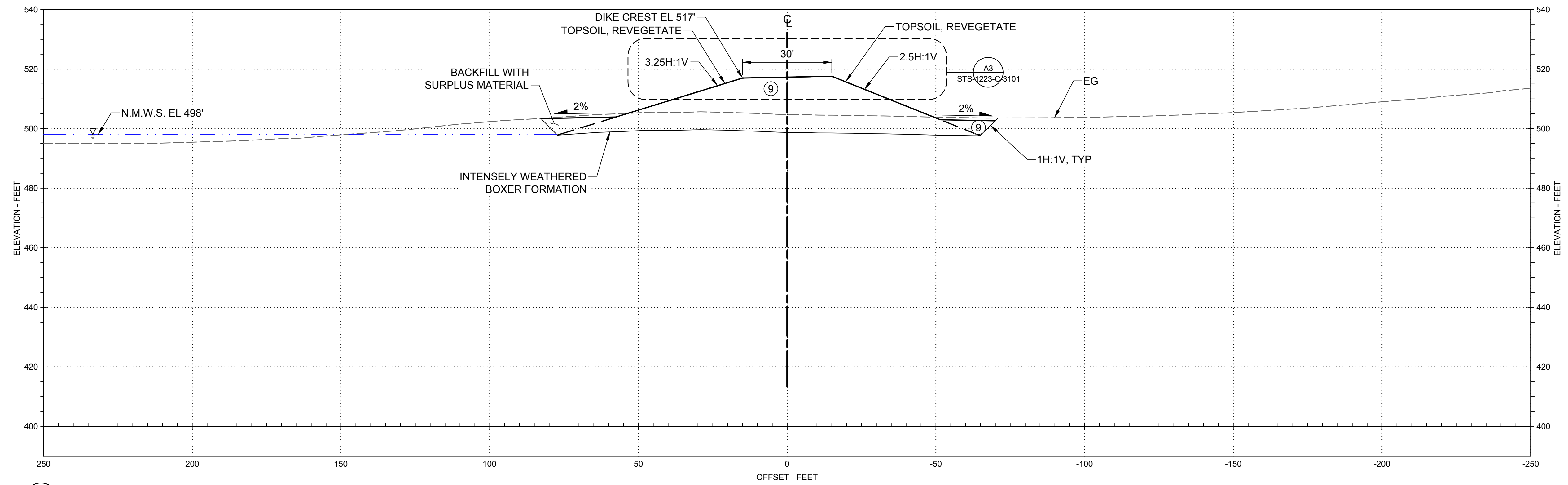
0 1"

DRAWING NO.
 STS-1224-C-3001
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

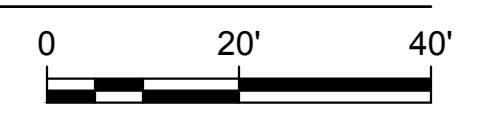
GENERAL NOTES

1. FOR DESCRIPTION OF EMBANKMENT MATERIALS IN EACH ZONE AND GRADATION BANDS, SEE STS-0001-G-0027.



B1 SECTION - 2+09
SCALE: 1" = 20'

STS-1224-C-2001



Plot Date: 3/22/2024 9:44 AM Saved By: EDUCER2384 File: c:\pwworking\hdr_sites_reservoir\dms02918\STS-1224-C-3101.dwg

REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY:
E. CERNA ALVAREZ

DRAWN BY:
E. CERNA ALVAREZ

CHECKED BY:
A. PUJOL

IN CHARGE:
M. SMITH

DATE:
03/15/24



REGISTERED PROFESSIONAL ENGINEER
A. PUJOL
C 37051
CALIFORNIA



SITES RESERVOIR

SADDLE DIKE 2
CIVIL
EMBANKMENT
SECTION

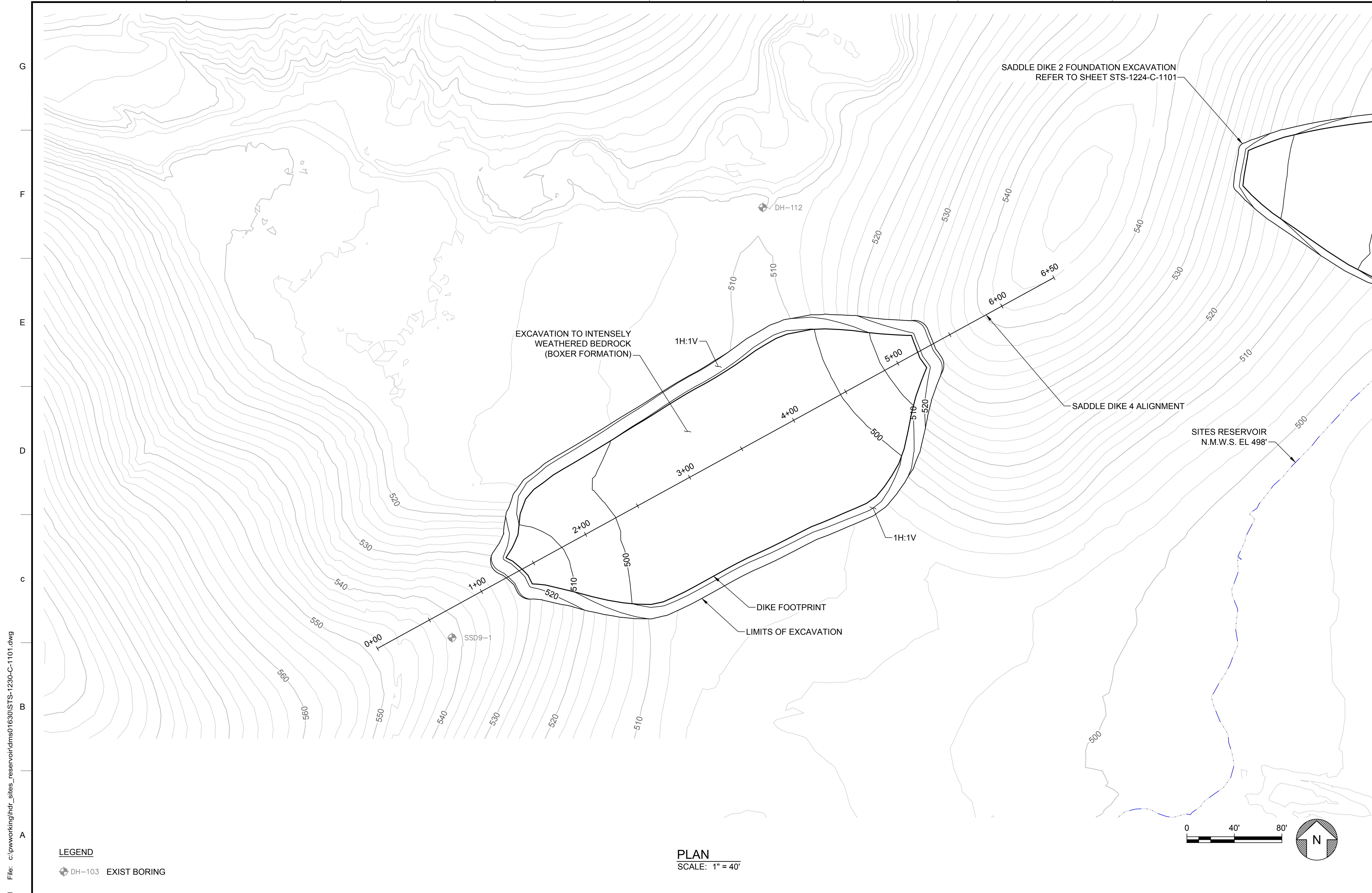
VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS



DRAWING NO.
STS-1224-C-3101
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



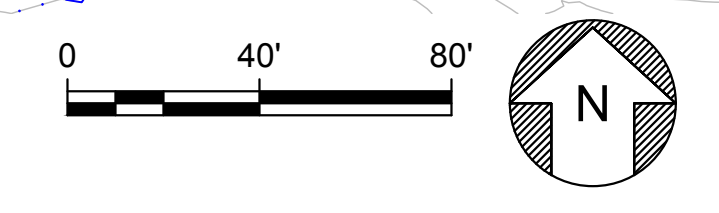
GENERAL NOTES

- EXCAVATION CONTOURS ARE APPROXIMATE. THE EXCAVATION SHALL BE PERFORMED TO THE ROCK QUALITY SHOWN, AS DETERMINED BY THE ENGINEER AND APPROVED BY DSOD. FIELD IDENTIFICATION CRITERIA FOR THE FOUNDATION IS PROVIDED IN SECTION #### OF THE TECHNICAL SPECIFICATIONS.
- EXCAVATION BACK-CUTS SHALL BE CONSTRUCTED NO STEEPER THAN WHAT IS SHOWN BUT MAY BE FLATTER IF REQUIRED FOR A STABLE EXCAVATION.

Plot Date: 3/22/2024 9:44 AM
 Saved By: IVACRU3507
 File: c:\pwworking\hdr_sites_reservoir\hdr_sites_reservoir\dms01630\STS-1230-C-1101.dwg

LEGEND
 ◆ DH-103 EXIST BORING

PLAN
 SCALE: 1" = 40'



REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY:
E. CERNA ALVAREZ

DRAWN BY:
E. CERNA ALVAREZ

CHECKED BY:
A. PUJOL

IN CHARGE:
M. SMITH

DATE:
03/15/24



REGISTERED
 PROFESSIONAL
 ENGINEER
 A. PUJOL
 C 37051
 CALIFORNIA



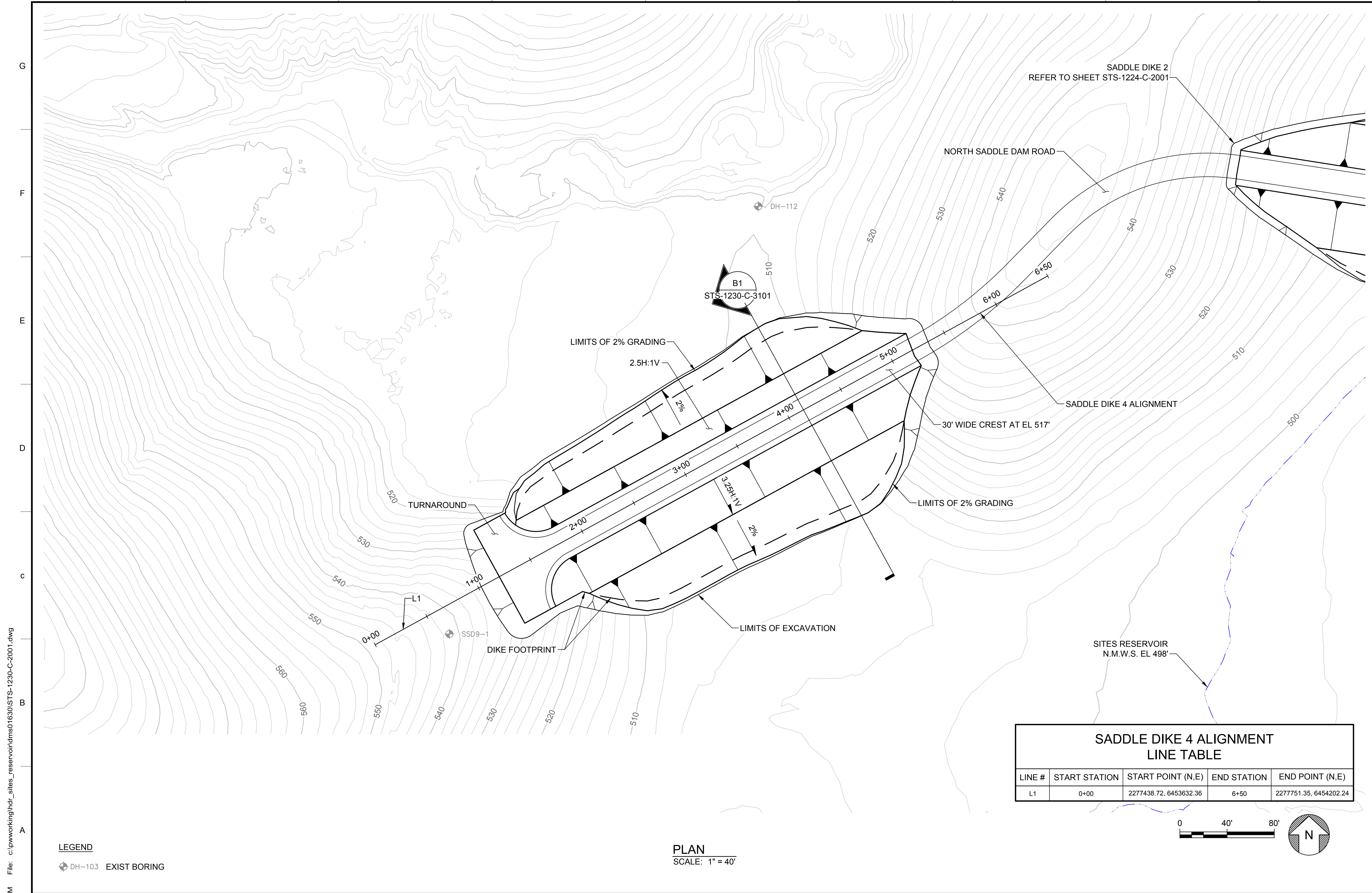
SITES RESERVOIR
SADDLE DIKE 4
CIVIL
FOUNDATION EXCAVATION
PLAN

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

0 40' 80' 1"

DRAWING NO.
 STS-1230-C-1101
 SHT OF

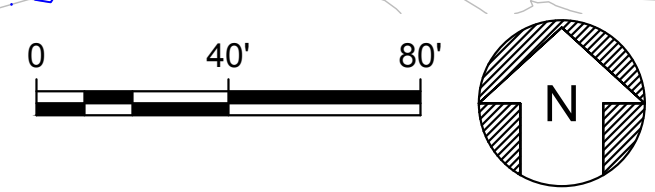
30% SUBMITTAL - NOT FOR CONSTRUCTION



GENERAL NOTES

**SADDLE DIKE 4 ALIGNMENT
LINE TABLE**

LINE #	START STATION	START POINT (N,E)	END STATION	END POINT (N,E)
L1	0+00	2277438.72, 6453632.36	6+50	2277751.35, 6454202.24



PLAN
SCALE: 1" = 40'

LEGEND
 DH-103 EXIST BORING

Plot Date: 3/22/2024 9:45 AM
 Saved By: EDUCER2384
 File: c:\pwworking\hdr_sites_reservoir\dms01630\STS-1230-C-2001.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: E. CERNA ALVAREZ
 DRAWN BY: E. CERNA ALVAREZ
 CHECKED BY: A. PUJOL
 IN CHARGE: M. SMITH
 DATE: 03/15/24

2020 L Street, Suite 400
 Sacramento, CA 95811
 TEL: 916.414.5800

 2868 Prospect Drive, Suite 400
 Rancho Cordova CA 95670

REGISTERED PROFESSIONAL ENGINEER
 A. PUJOL
 C 37051
 CALIFORNIA



SITES RESERVOIR
 SADDLE DIKE 4
 CIVIL EMBANKMENT PLAN

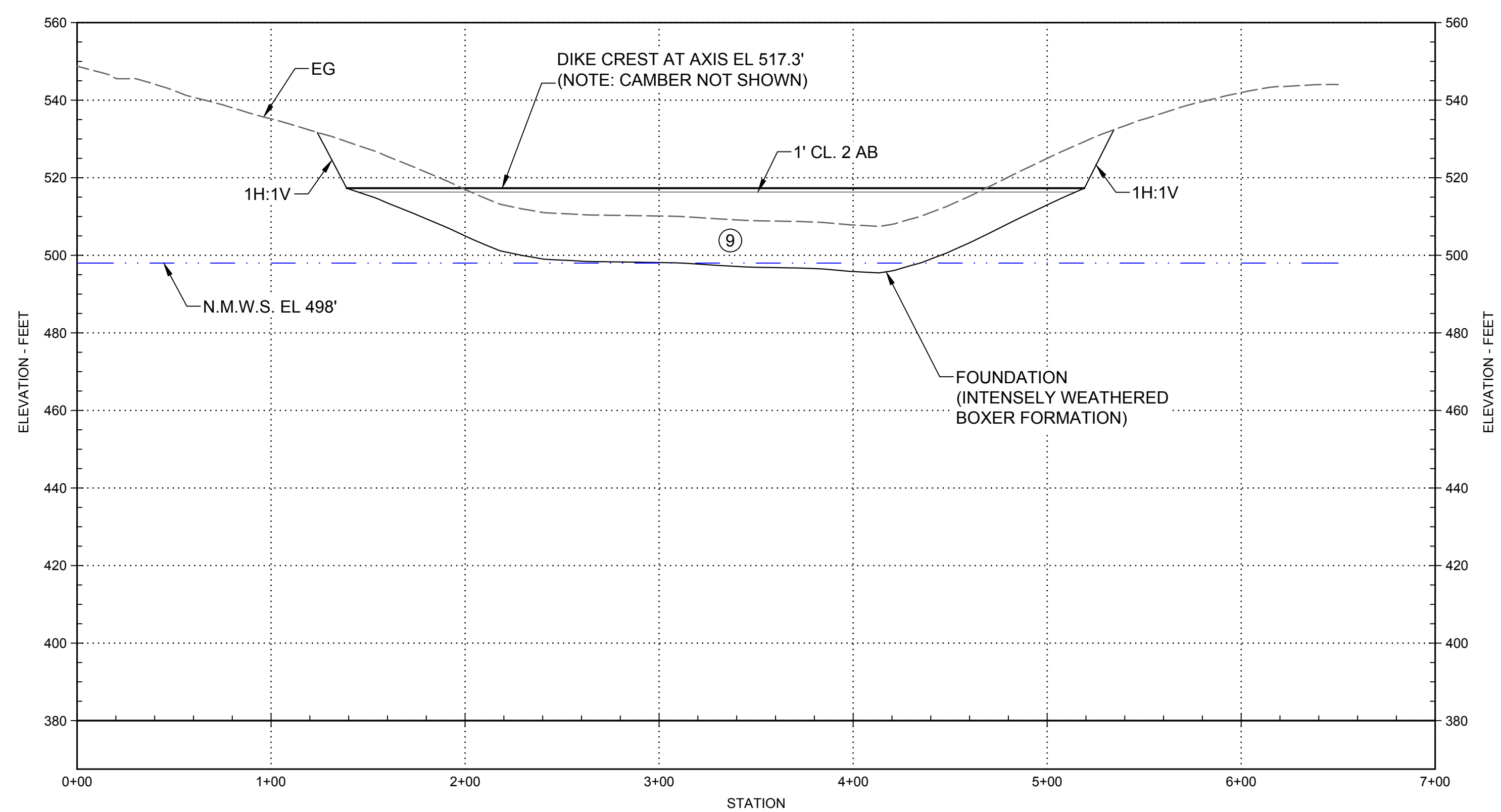
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

 DRAWING NO. STS-1230-C-2001
 SHT OF

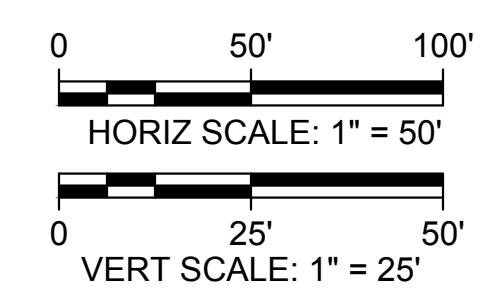
30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

1. FOR DESCRIPTION OF EMBANKMENT MATERIALS IN EACH ZONE AND GRADATION BANDS, SEE STS-0001-G-0027.



PROFILE
 HORIZ SCALE: 1" = 50'
 VERT SCALE: 1" = 25'



Plot Date: 3/22/2024 9:45 AM
 Saved By: EDUCER2384
 File: c:\pwworking\hdr_sites_reservoir\dms01630\STS-1230-C-3001.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: E. CERNA ALVAREZ
 DRAWN BY: E. CERNA ALVAREZ
 CHECKED BY: A. PUJOL
 IN CHARGE: M. SMITH
 DATE: 03/15/24



REGISTERED PROFESSIONAL ENGINEER
 A. PUJOL
 C 37051
 CALIFORNIA



SITES RESERVOIR

**SADDLE DIKE 4
 CIVIL
 EMBANKMENT
 PROFILE**

VERIFY SCALES

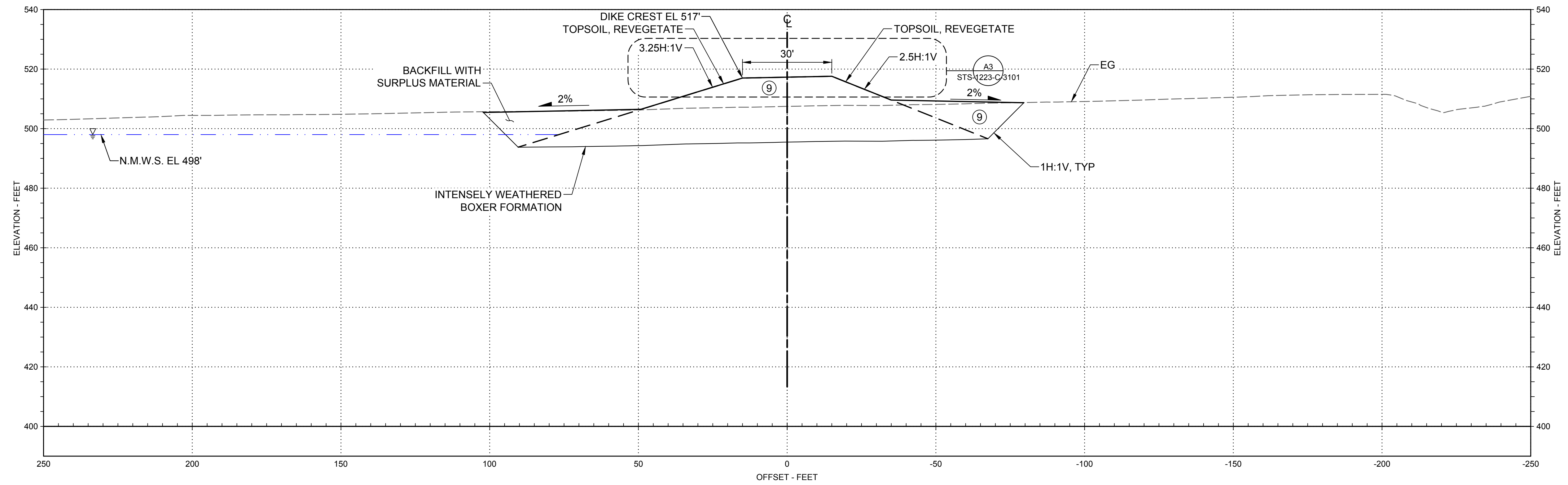
BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS

DRAWING NO. STS-1230-C-3001
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

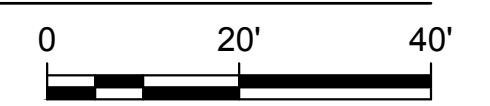
GENERAL NOTES

1. FOR DESCRIPTION OF EMBANKMENT MATERIALS IN EACH ZONE AND GRADATION BANDS, SEE STS-0001-G-0027.



B1 SECTION - 4+14
SCALE: 1"=20'

STS-1230-C-2001



Plot Date: 3/22/2024 9:45 AM Saved By: EDUCER2384 File: c:\pwworking\hdr_sites_reservoir\dms01630\STS-1230-C-3101.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
E. CERNA ALVAREZ

DRAWN BY:
E. CERNA ALVAREZ

CHECKED BY:
A. PUJOL

IN CHARGE:
M. SMITH

DATE:
03/15/24



REGISTERED PROFESSIONAL ENGINEER
A. PUJOL
C 37051
CALIFORNIA



SITES RESERVOIR

SADDLE DIKE 4
CIVIL
EMBANKMENT
SECTION

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS

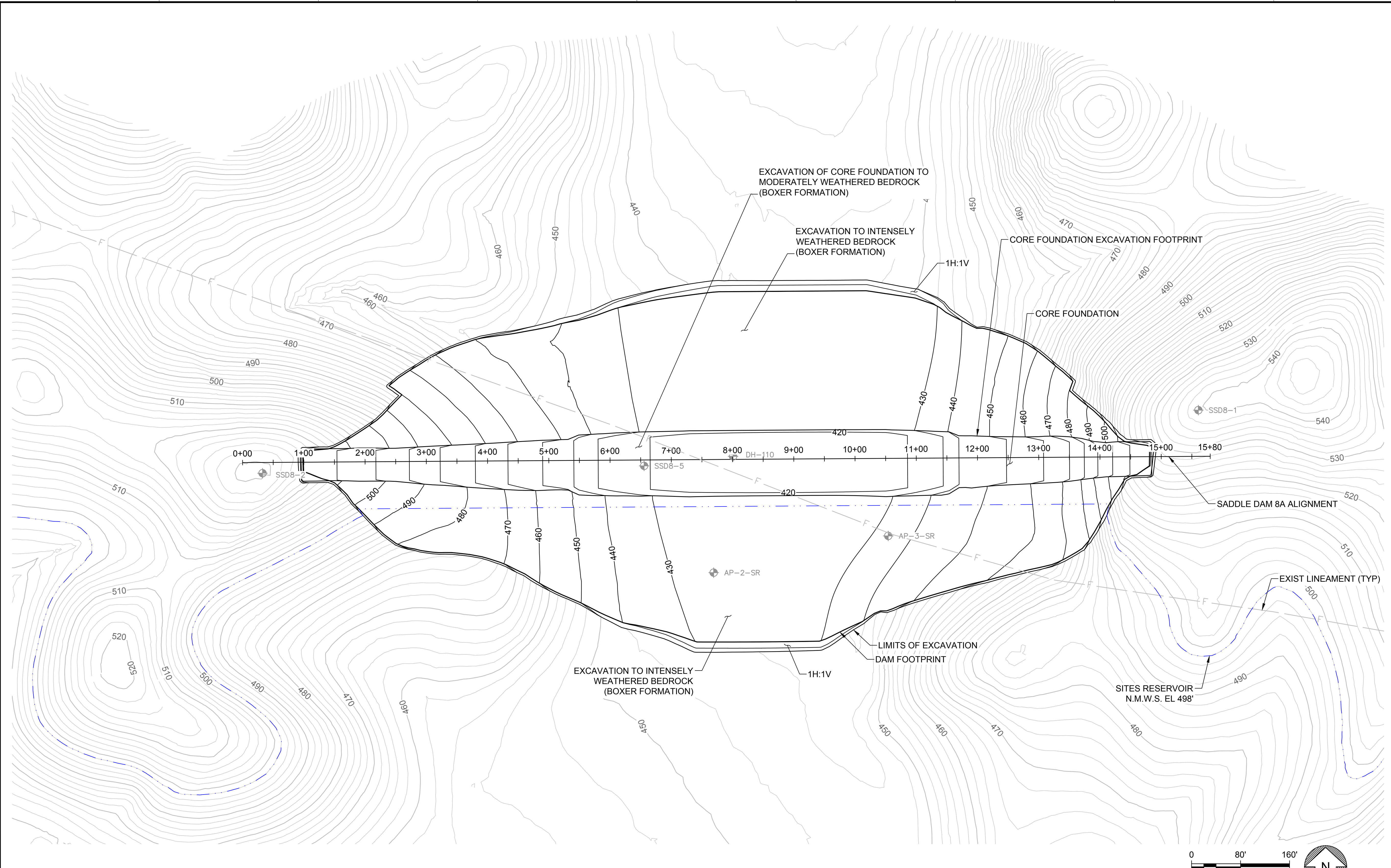


DRAWING NO.
STS-1230-C-3101
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

- EXCAVATION CONTOURS ARE APPROXIMATE. THE EXCAVATION SHALL BE PERFORMED TO THE ROCK QUALITY SHOWN, AS DETERMINED BY THE ENGINEER AND APPROVED BY DSOD. FIELD IDENTIFICATION CRITERIA FOR THE FOUNDATION IS PROVIDED IN SECTION #### OF THE TECHNICAL SPECIFICATIONS.
- EXCAVATION BACK-CUTS SHALL BE CONSTRUCTED NO STEEPER THAN WHAT IS SHOWN BUT MAY BE FLATTER IF REQUIRED FOR A STABLE EXCAVATION.



LEGEND
 DH-103 EXIST BORING

PLAN
 SCALE: 1" = 80'



Plot Date: 3/22/2024 9:37 AM
 Saved By: EDUCER2384
 File: c:\pwworking\hdr_sites_reservoir\dms01345\STS-1235-C-1101.dwg

DESIGNED BY:	E. CERNA ALVAREZ
DRAWN BY:	E. CERNA ALVAREZ
CHECKED BY:	A. PUJOL
IN CHARGE:	M. SMITH
DATE:	03/15/24



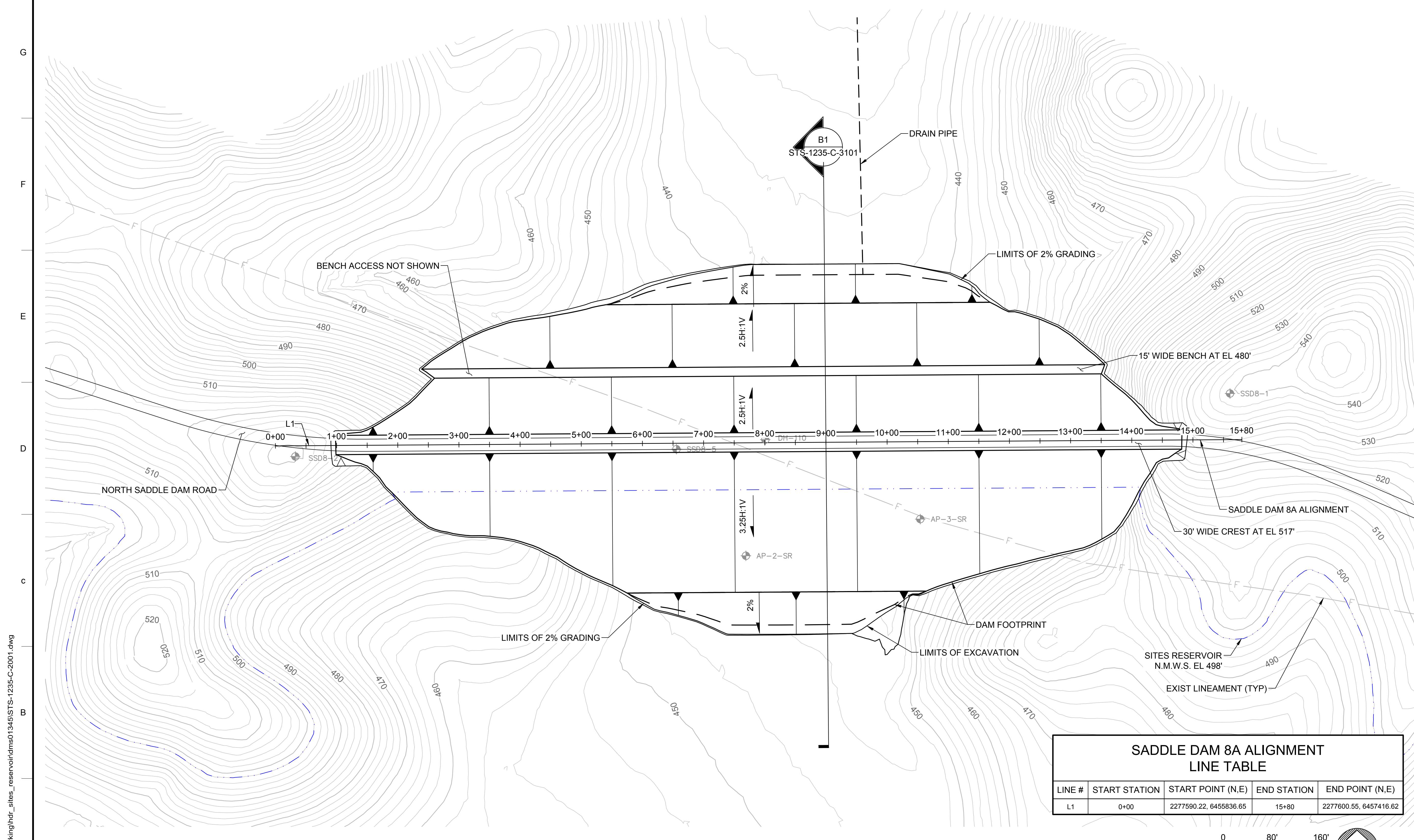
REGISTERED PROFESSIONAL ENGINEER
 A. PUJOL
 C 37051
 CALIFORNIA



SITES RESERVOIR
 SADDLE DAM 8A
 CIVIL
 FOUNDATION EXCAVATION
 PLAN

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
 0 80' 160' 1"
 DRAWING NO. STS-1235-C-1101
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



SADDLE DAM 8A ALIGNMENT LINE TABLE				
LINE #	START STATION	START POINT (N,E)	END STATION	END POINT (N,E)
L1	0+00	2277590.22, 6455836.65	15+80	2277600.55, 6457416.62

LEGEND
 DH-103 EXIST BORING

PLAN
 SCALE: 1" = 80'

File: c:\pwworking\hdr_sites_reservoir\dms01345\STS-1235-C-2001.dwg
 Plot Date: 3/22/2024 9:38 AM
 Saved By: IVACRU3507

REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY:	E. CERNA ALVAREZ
DRAWN BY:	E. CERNA ALVAREZ
CHECKED BY:	A. PUJOL
IN CHARGE:	M. SMITH
DATE:	03/15/24

AECOM
 2020 L Street, Suite 400
 Sacramento, CA 95811
 TEL: 916.414.5800

GEI Consultants
 2868 Prospect Drive, Suite 400
 Rancho Cordova CA 95670

REGISTERED PROFESSIONAL ENGINEER
 A. PUJOL
 C 37051
 CALIFORNIA



SITES RESERVOIR

SADDLE DAM 8A CIVIL EMBANKMENT PLAN

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.

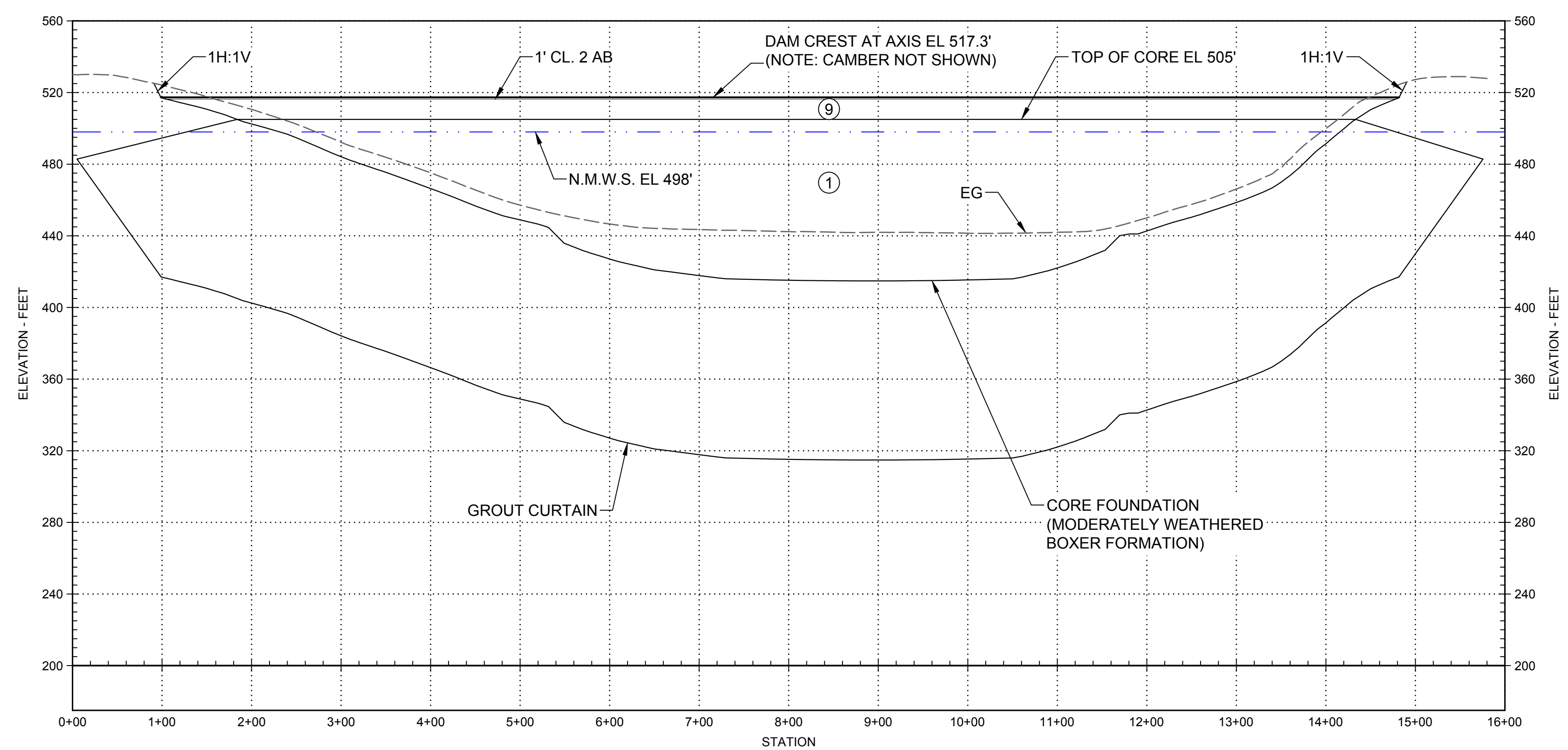
0 80' 160' 1"

DRAWING NO.
 STS-1235-C-2001
 SHT OF

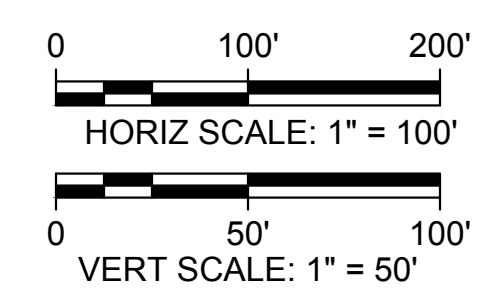
30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

1. FOR DESCRIPTION OF EMBANKMENT MATERIALS IN EACH ZONE AND GRADATION BANDS, SEE STS-0001-G-0027.



PROFILE
 HORIZ SCALE: 1" = 100'
 VERT SCALE: 1" = 50'



Plot Date: 3/22/2024 9:38 AM
 Saved By: EDUCER2384
 File: c:\pwworking\hdr_sites_reservoir\dms01345\STS-1235-C-3001.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: E. CERNA ALVAREZ
 DRAWN BY: E. CERNA ALVAREZ
 CHECKED BY: A. PUJOL
 IN CHARGE: M. SMITH
 DATE: 03/15/24



2020 L Street, Suite 400
 Sacramento, CA 95811
 TEL: 916.414.5800



2868 Prospect Drive, Suite 400
 Rancho Cordova CA 95670

REGISTERED PROFESSIONAL ENGINEER
 A. PUJOL
 C 37051
 CALIFORNIA



SITES RESERVOIR

SADDLE DAM 8A
 CIVIL
 EMBANKMENT
 PROFILE

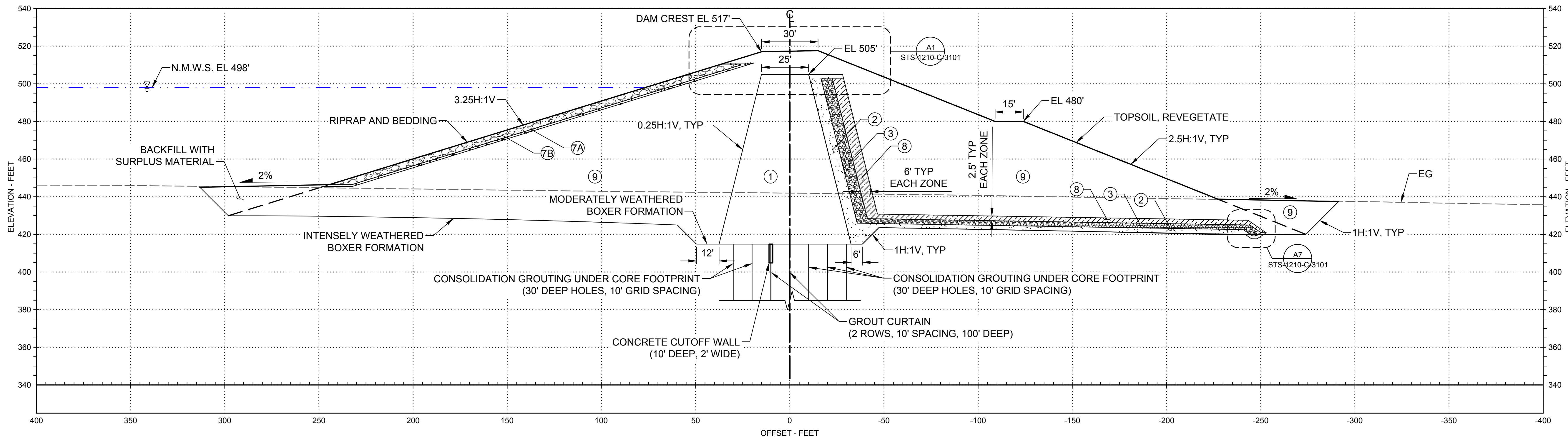
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS.
 0 1"

DRAWING NO.
 STS-1235-C-3001
 SHT OF

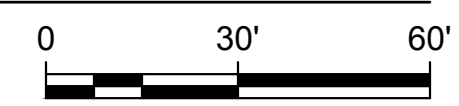
30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

1. FOR DESCRIPTION OF EMBANKMENT MATERIALS IN EACH ZONE AND GRADATION BANDS, SEE STS-0001-G-0027.



B1 SECTION - 9+00
SCALE: 1" = 30'



Plot Date: 3/22/2024 9:38 AM Saved By: EDUCER2384 File: c:\pwworking\hdr_sites_reservoir\dms01345\STS-1235-C-3101.dwg

STS-1235-C-2001

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	E. CERNA ALVAREZ
DRAWN BY:	E. CERNA ALVAREZ
CHECKED BY:	A. PUJOL
IN CHARGE:	M. SMITH
DATE:	03/15/24

AECOM
2020 L Street, Suite 400
Sacramento, CA 95811
TEL: 916.414.5800

GEI Consultants
2868 Prospect Drive, Suite 400
Rancho Cordova CA 95670

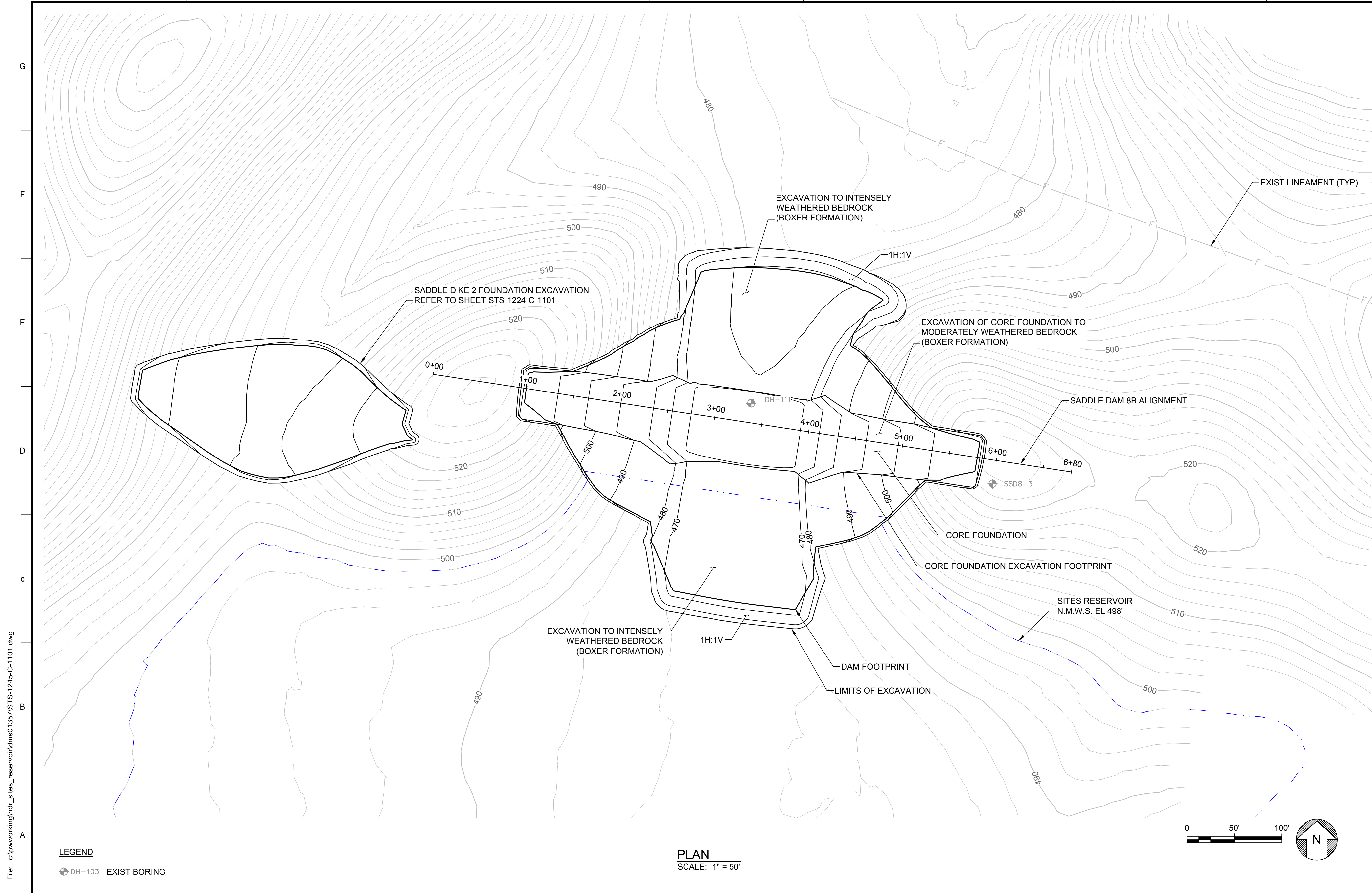
REGISTERED PROFESSIONAL ENGINEER
A. PUJOL
C 37051
CALIFORNIA



SITES RESERVOIR
SADDLE DAM 8A
CIVIL EMBANKMENT SECTION

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS.
0 30' 60' 1"
DRAWING NO.
STS-1235-C-3101
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



GENERAL NOTES

- EXCAVATION CONTOURS ARE APPROXIMATE. THE EXCAVATION SHALL BE PERFORMED TO THE ROCK QUALITY SHOWN, AS DETERMINED BY THE ENGINEER AND APPROVED BY DSOD. FIELD IDENTIFICATION CRITERIA FOR THE FOUNDATION IS PROVIDED IN SECTION #### OF THE TECHNICAL SPECIFICATIONS.
- EXCAVATION BACK-CUTS SHALL BE CONSTRUCTED NO STEEPER THAN WHAT IS SHOWN BUT MAY BE FLATTER IF REQUIRED FOR A STABLE EXCAVATION.

LEGEND
 ⬢ DH-103 EXIST BORING

PLAN
 SCALE: 1" = 50'

Plot Date: 3/22/2024 9:39 AM
 Saved By: EDUCER2384
 File: c:\pwworking\hdr_sites_reservoir\dms01357\STS-1245-C-1101.dwg

DESIGNED BY:	E. CERNA ALVAREZ
DRAWN BY:	E. CERNA ALVAREZ
CHECKED BY:	A. PUJOL
IN CHARGE:	M. SMITH
DATE:	03/15/24



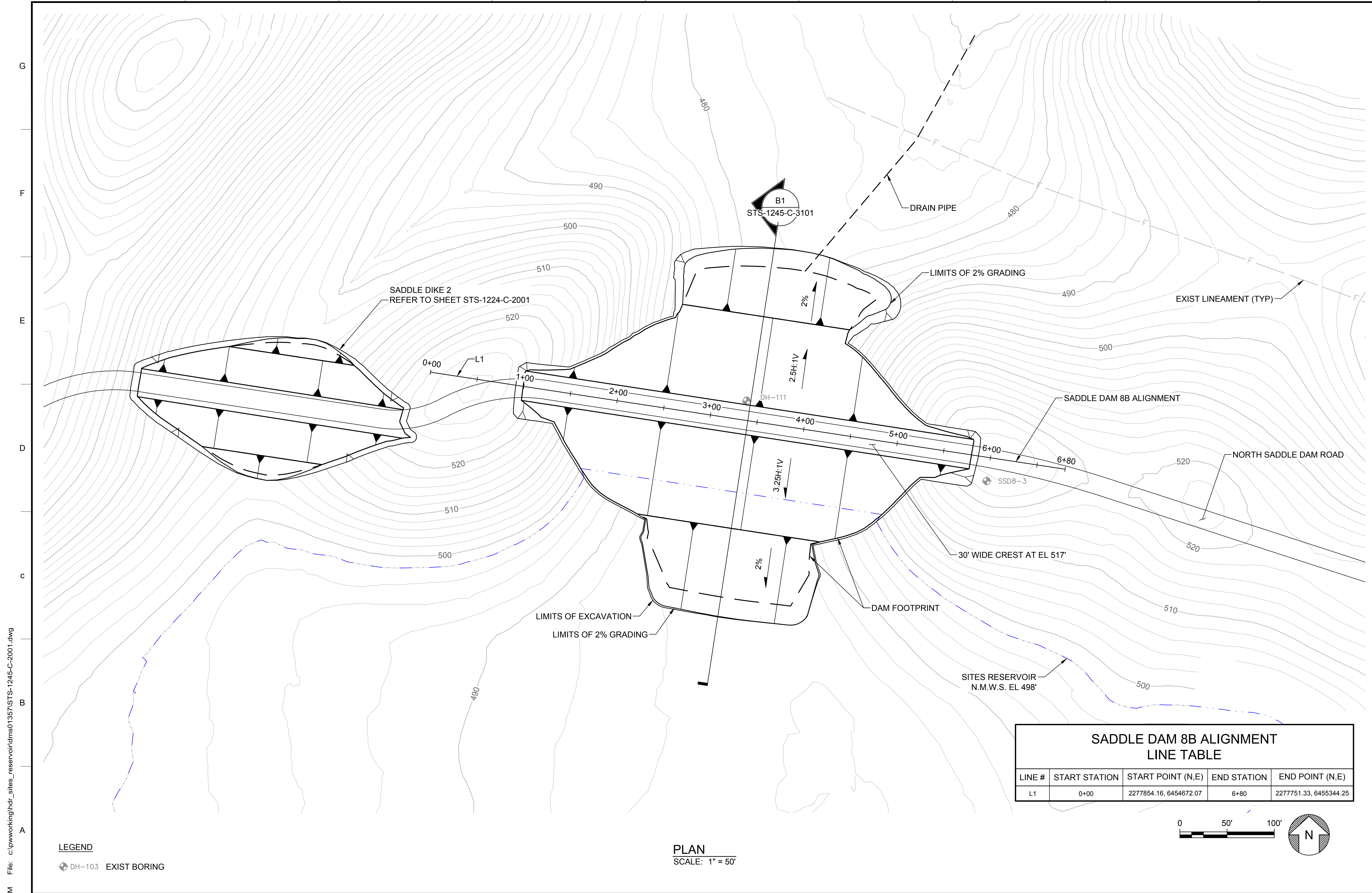
REGISTERED PROFESSIONAL ENGINEER
 A. PUJOL
 C 37051
 CALIFORNIA



SITES RESERVOIR
SADDLE DAM 8B
CIVIL
FOUNDATION EXCAVATION
PLAN

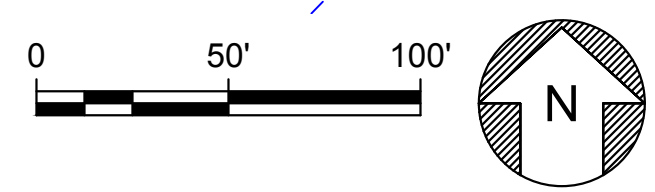
VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
0 50' 100' 1"
DRAWING NO.
STS-1245-C-1101
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



GENERAL NOTES

SADDLE DAM 8B ALIGNMENT LINE TABLE				
LINE #	START STATION	START POINT (N,E)	END STATION	END POINT (N,E)
L1	0+00	2277854.16, 6454672.07	6+80	2277751.33, 6455344.25



PLAN
SCALE: 1" = 50'

LEGEND
DH-103 EXIST BORING

Plot Date: 3/22/2024 9:40 AM
 Saved By: IVACRU3507
 File: c:\pwworking\hdr_sites_reservoir\dms01357\STS-1245-C-2001.dwg

DESIGNED BY:	E. CERNA ALVAREZ
DRAWN BY:	E. CERNA ALVAREZ
CHECKED BY:	A. PUJOL
IN CHARGE:	M. SMITH
DATE:	03/15/24



REGISTERED PROFESSIONAL ENGINEER
A. PUJOL
C 37051
CALIFORNIA



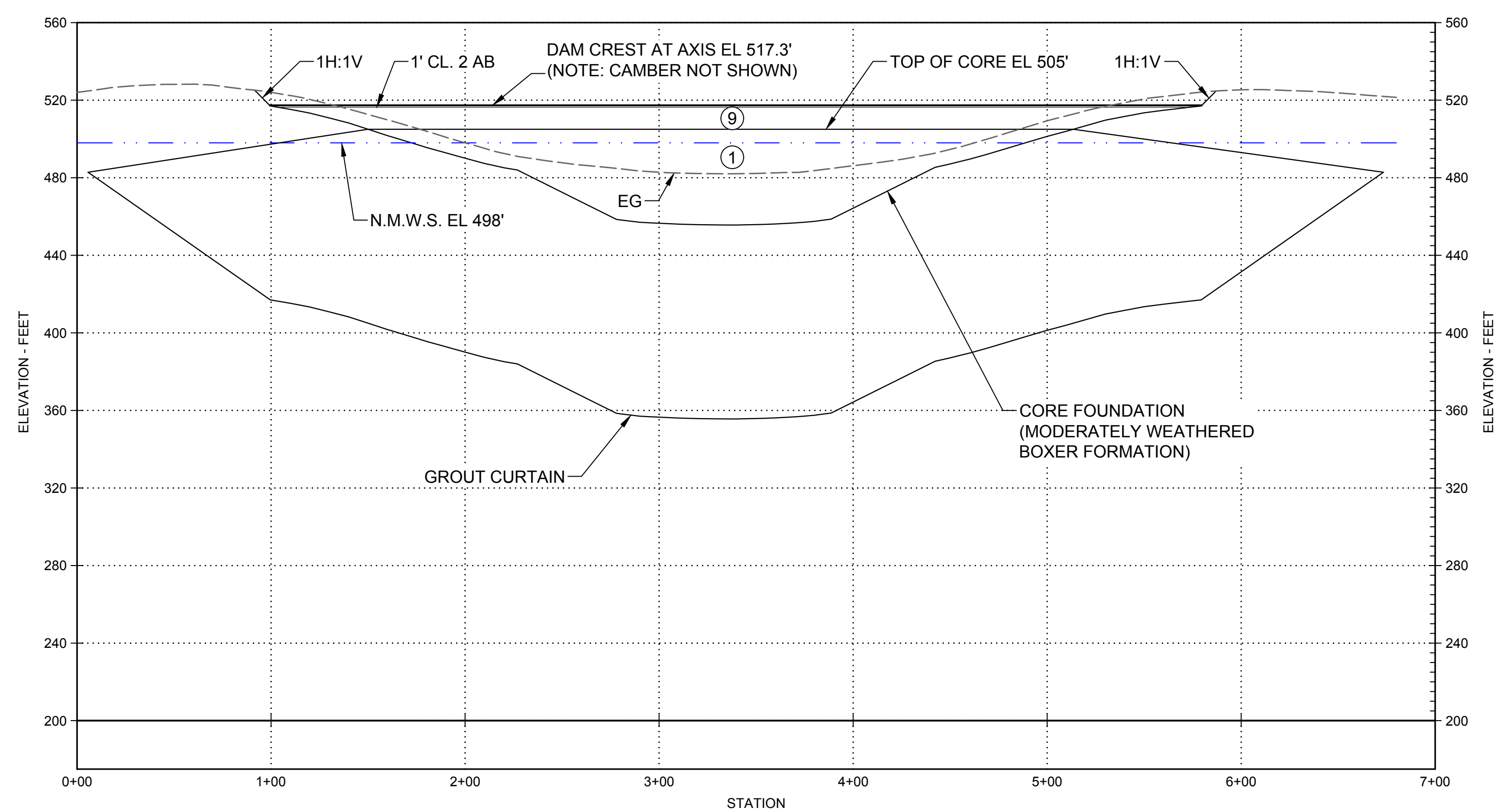
SITES RESERVOIR
SADDLE DAM 8B
CIVIL EMBANKMENT
PLAN

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO. STS-1245-C-2001
SHT OF

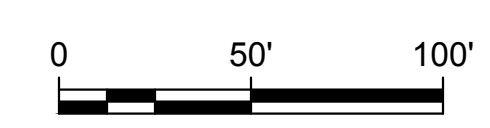
30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

1. FOR DESCRIPTION OF EMBANKMENT MATERIALS IN EACH ZONE AND GRADATION BANDS, SEE STS-0001-G-0027.



PROFILE
SCALE: 1" = 50'



Plot Date: 3/22/2024 9:40 AM
Saved By: EDUCER2384
File: c:\pwworking\hdr_sites_reservoir\dms01357\STS-1245-C-3001.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
E. CERNA ALVAREZ

DRAWN BY:
E. CERNA ALVAREZ

CHECKED BY:
A. PUJOL

IN CHARGE:
M. SMITH

DATE:
03/15/24



REGISTERED
PROFESSIONAL
ENGINEER
A. PUJOL
C 37051
CALIFORNIA



SITES RESERVOIR

SADDLE DAM 8B
CIVIL
EMBANKMENT
PROFILE

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS

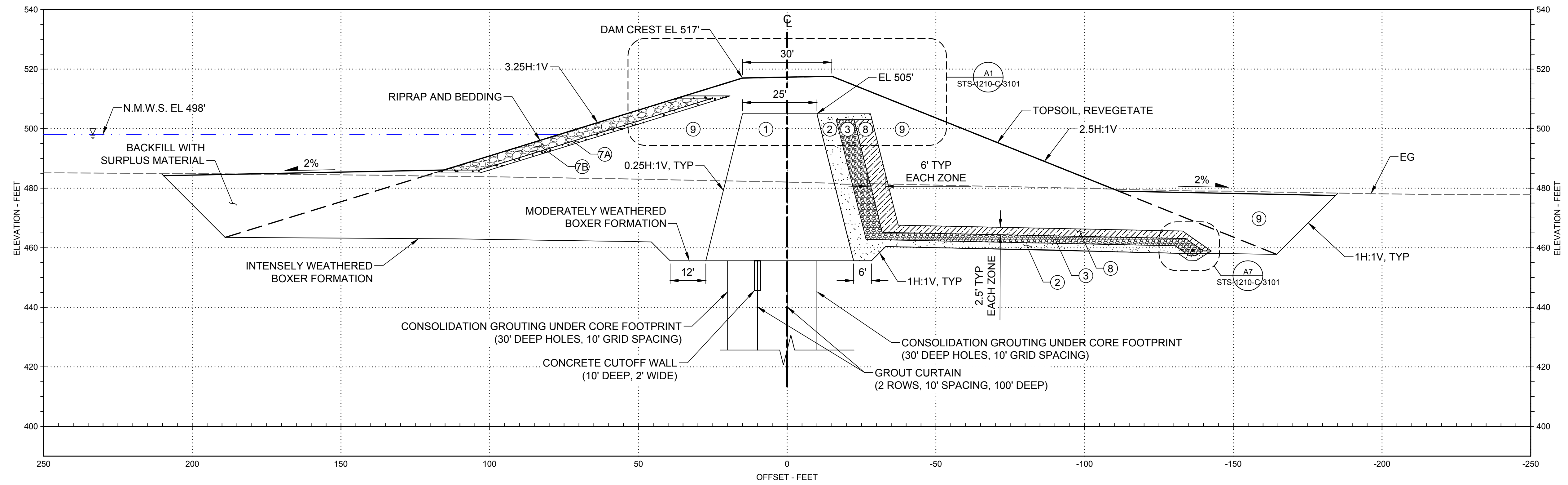


DRAWING NO.
STS-1245-C-3001
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

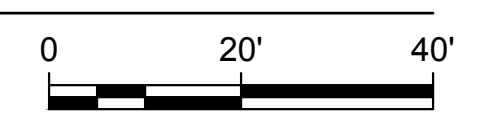
GENERAL NOTES

1. FOR DESCRIPTION OF EMBANKMENT MATERIALS IN EACH ZONE AND GRADATION BANDS, SEE STS-0001-G-0027.



B1 SECTION - 3+40
SCALE: 1" = 20'

STS-1245-C-2001



Plot Date: 3/22/2024 9:40 AM Saved By: EDUCER2384 File: c:\pwworking\hdr_sites_reservoir\dms01357\STS-1245-C-3101.dwg

REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY:
E. CERNA ALVAREZ

DRAWN BY:
E. CERNA ALVAREZ

CHECKED BY:
A. PUJOL

IN CHARGE:
M. SMITH

DATE:
03/15/24



REGISTERED PROFESSIONAL ENGINEER
A. PUJOL
C 37051
CALIFORNIA



SITES RESERVOIR

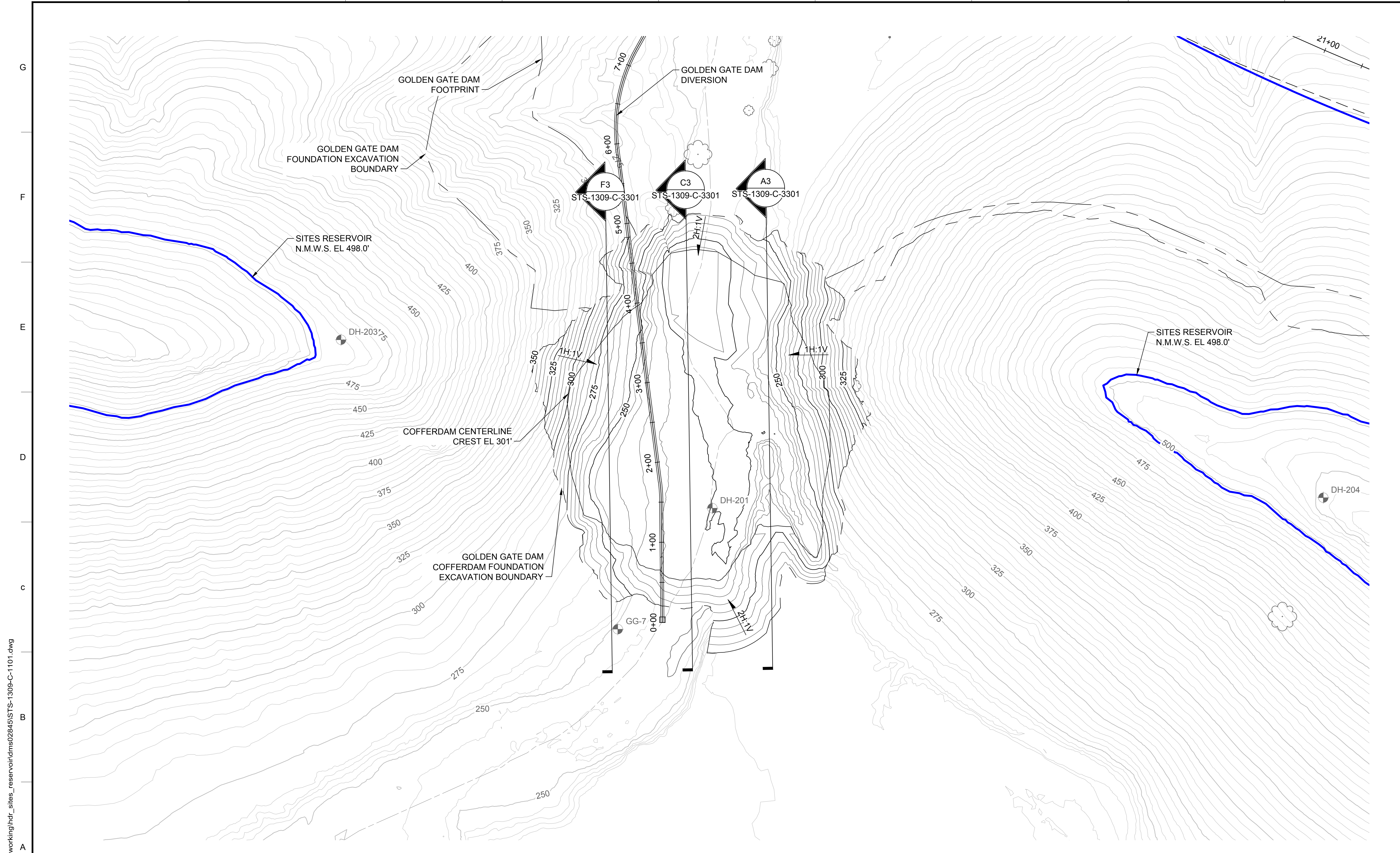
SADDLE DAM 8B
CIVIL
EMBANKMENT
SECTION

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

DRAWING NO.
STS-1245-C-3101
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



GENERAL NOTES

1. EXCAVATION CONTOURS ARE APPROXIMATE. THE EXCAVATION SHALL BE PERFORMED TO THE ROCK QUALITY SHOWN, AS DETERMINED BY THE ENGINEER AND APPROVED BY DSOD. FIELD IDENTIFICATION CRITERIA FOR THE FOUNDATION IS PROVIDED IN SECTION #### OF THE TECHNICAL SPECIFICATIONS.
2. EXCAVATION FINAL SURFACES OUTSIDE OF THE COFFERDAM BOUNDARY ARE SHOWN AS 2H:1V IN THE ALLUVIUM AND 1H:1V IN THE BEDROCK. THE CONTRACTOR SHALL EXCAVATE TO A STABLE INCLINATION NO STEEPER THAN 2H:1V IN THE ALLUVIUM AND 1H:1V IN THE BEDROCK.
3. CLEAR TREES ON ABUTMENT SLOPES PRIOR TO STRIPPING.
4. DEWATER ALL FOUNDATION EXCAVATIONS.
5. CONTOUR INTERVALS ARE AT 5' MINOR AND 25' MAJOR.

KEY MAP



PLAN
HORIZ SCALE: 1" = 60'

0 60' 120'
HORIZ SCALE: 1" = 60'

File: C:\pwworking\hdr_sites_reservoir\dms02845\STS-1309-C-1101.dwg
 Plot Date: 3/22/2024 4:31 PM
 Saved By: LINDSAY REID

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: S. HAUGAARD
 DRAWN BY: C. FALK
 CHECKED BY: B. ALDRIDGE
 IN CHARGE: M. SMITH
 DATE: 03/15/24



REGISTERED PROFESSIONAL ENGINEER
 M. SMITH
 C 42978
 CALIFORNIA



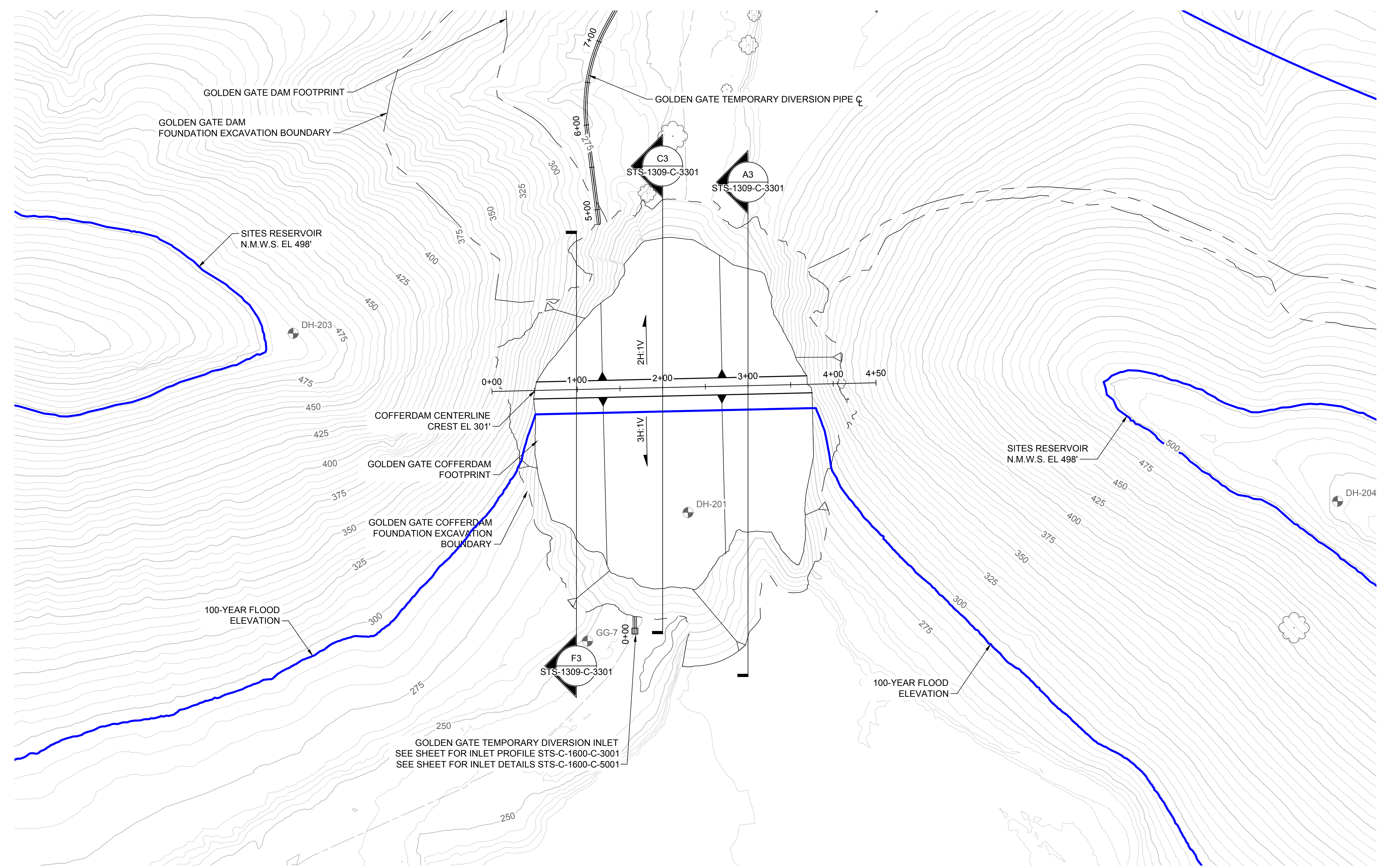
SITES RESERVOIR
GOLDEN GATE DAM COFFERDAM
CIVIL FOUNDATION EXCAVATION PLAN

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
 0 1"
 DRAWING NO. STS-1309-C-1101
 SHT OF

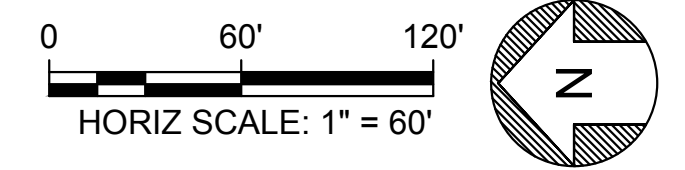
30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

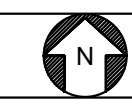
1. CONTOUR INTERVALS ARE AT 5' MINOR AND 25' MAJOR.
2. ANTICIPATED FLOOD LEVEL IS PRELIMINARY AND SUBJECT TO REVISION IN LATER STAGES OF DESIGN.



PLAN
HORIZ SCALE: 1" = 60'



KEY MAP



Plot Date: 3/22/2024 12:27 PM File: C:\pwworking\hdr_sites_reservoir\dms02845\STS-1309-C-2001.dwg Saved By: LECUSER

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	S. HAUGAARD
DRAWN BY:	C. FALK
CHECKED BY:	B. ALDRIDGE
IN CHARGE:	M. SMITH
DATE:	03/15/24



REGISTERED PROFESSIONAL ENGINEER
M. SMITH
C 42978
CALIFORNIA



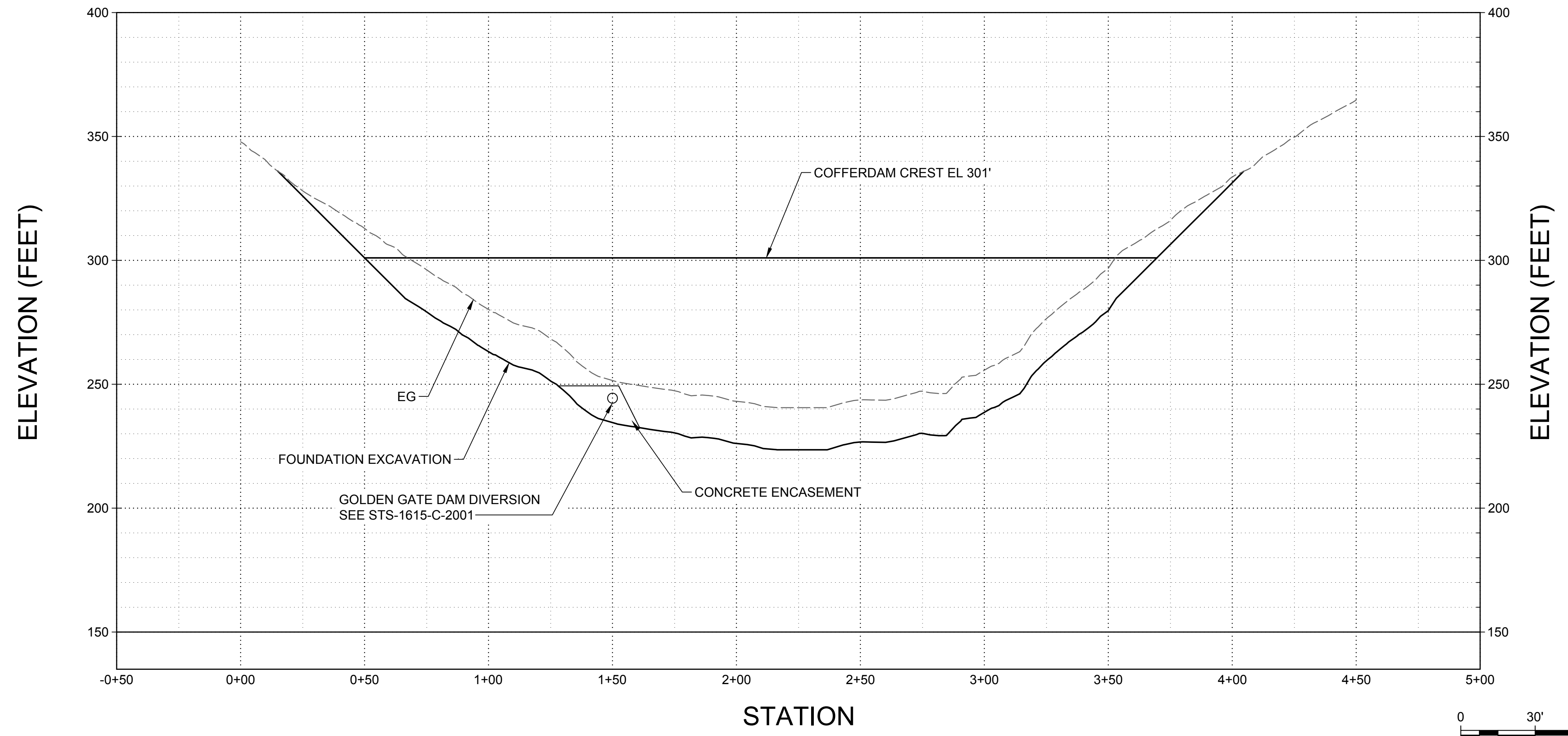
SITES RESERVOIR
GOLDEN GATE DAM COFFERDAM
CIVIL EMBANKMENT PLAN

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
	0 60 120 1"
DRAWING NO.	STS-1309-C-2001
SHT	OF

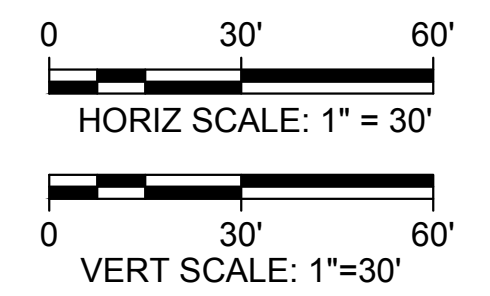
30% SUBMITTAL - NOT FOR CONSTRUCTION

G
F
E
D
C
B
A

Plot Date: 3/13/2024 4:38 PM
Saved By: MASHILEM
File: C:\pwworking\hdr_sites_reservoir\dms02845\STS-1309-C-3201.dwg

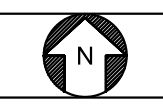


PROFILE
 HORIZ SCALE: 1" = 30'
 VERT SCALE: 1" = 30'



GENERAL NOTES

KEY MAP



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: S. HAUGAARD
 DRAWN BY: C. FALK
 CHECKED BY: B. ALDRIDGE
 IN CHARGE: M. SMITH
 DATE: 03/15/24



REGISTERED PROFESSIONAL ENGINEER
 M. SMITH
 C 42978
 CALIFORNIA



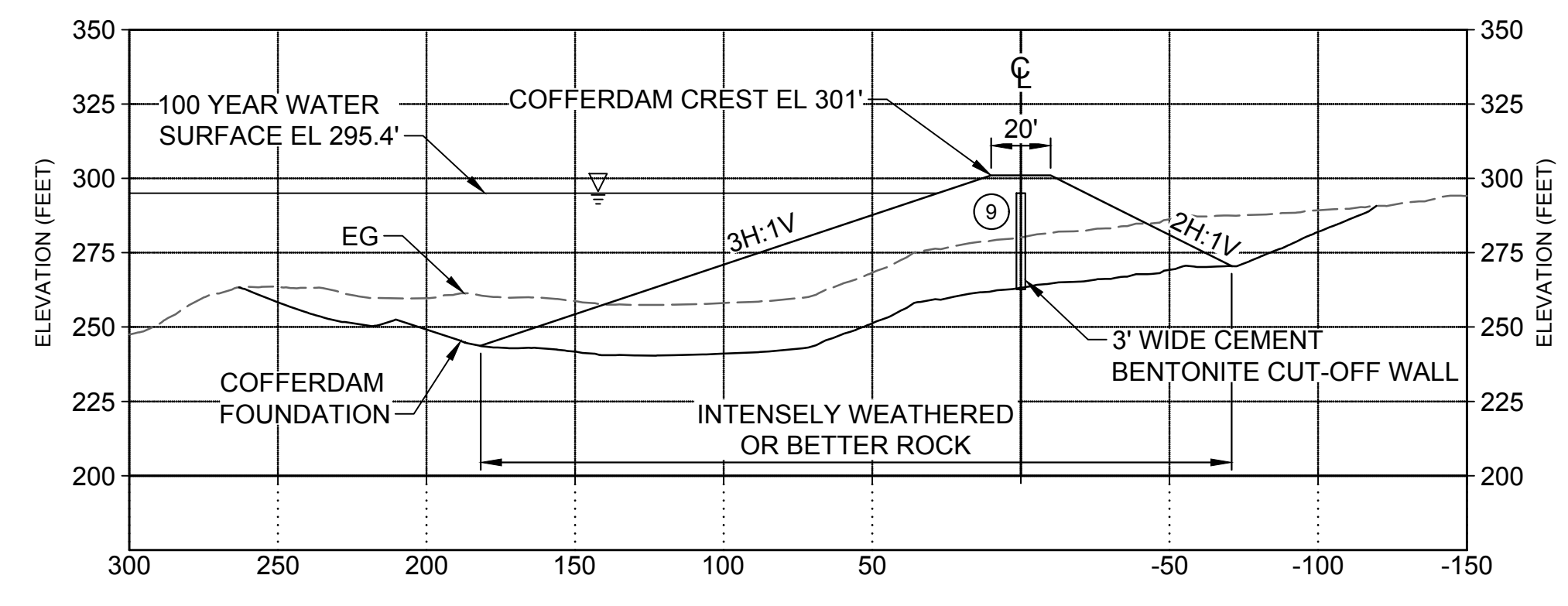
SITES RESERVOIR
GOLDEN GATE DAM COFFERDAM
CIVIL EMBANKMENT PROFILE

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
 0 30 60 1"
 DRAWING NO. STS-1309-C-3201
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

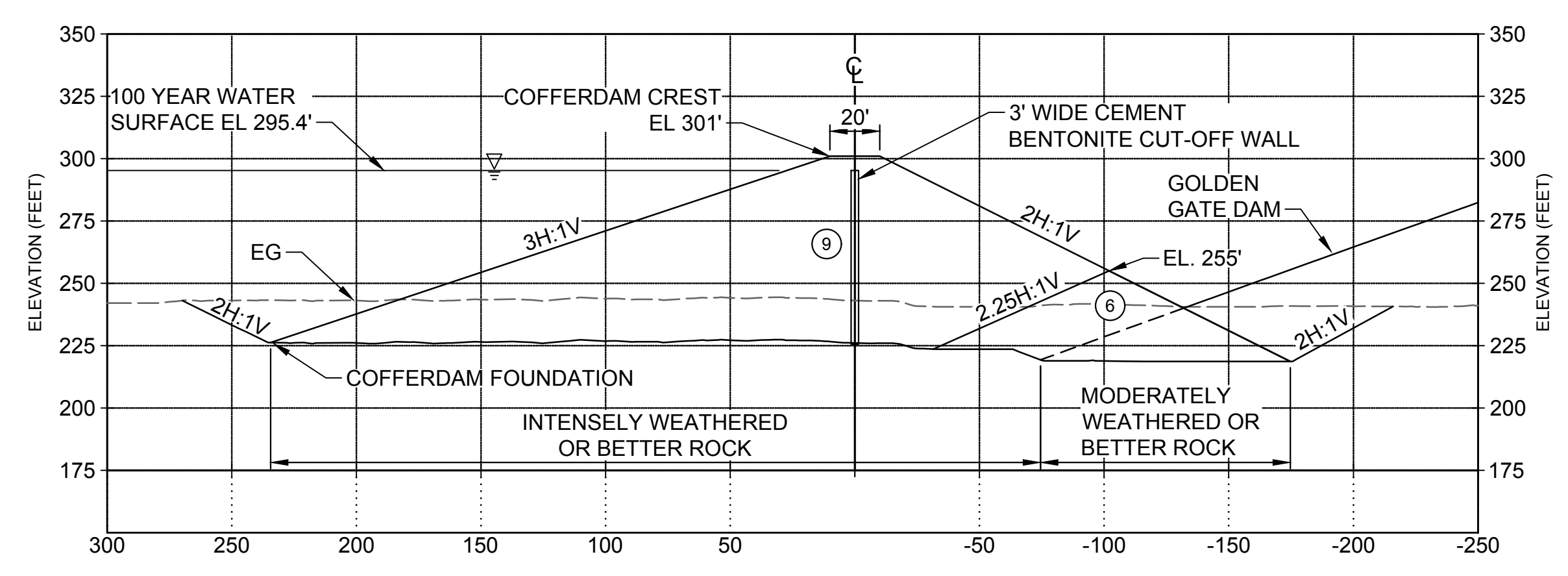
GENERAL NOTES

- FOR ZONE DESCRIPTION TABLE AND SIEVE SIZES SEE STS-0001-G-0027.



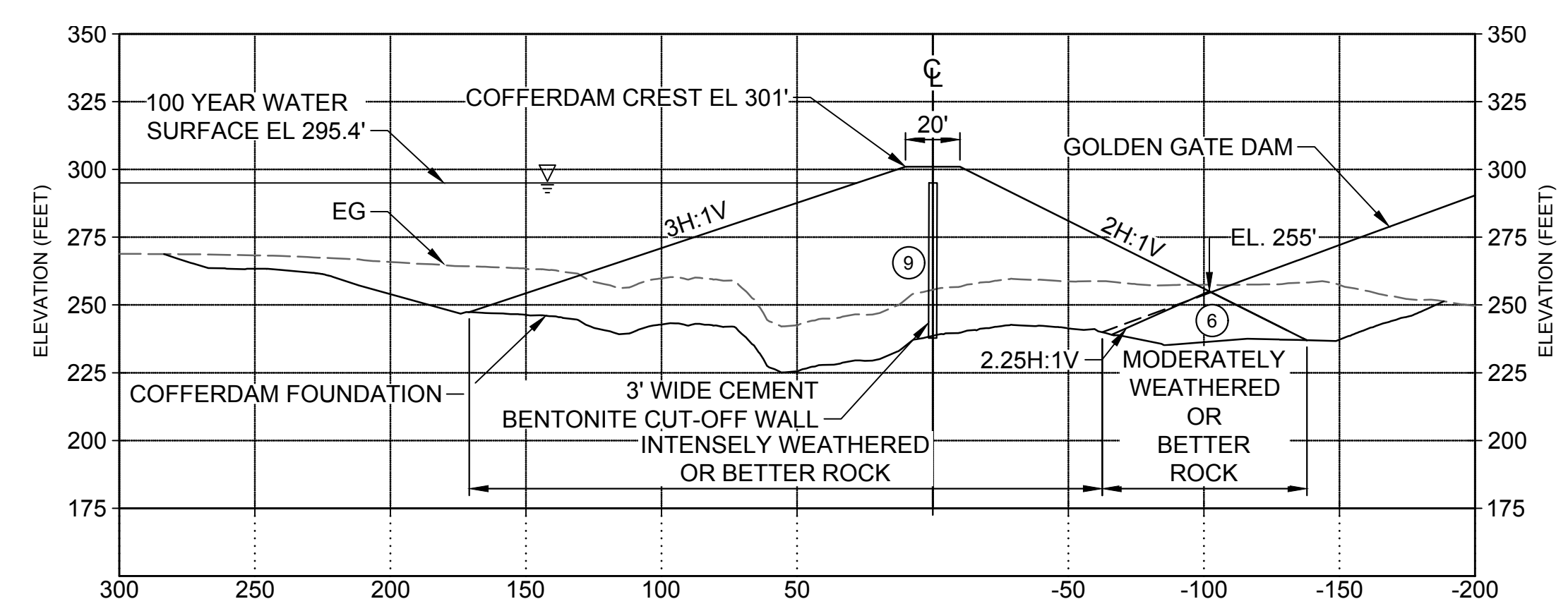
F3 SECTION - STA 1+00
SCALE 1"=50'

STS-1309-C-2001



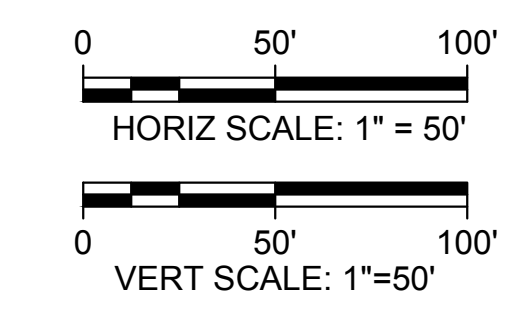
C3 SECTION - STA 2+00
SCALE 1"=50'

STS-1309-C-2001



A3 SECTION - STA 3+00
SCALE 1"=50'

STS-1309-C-2001



Plot Date: 3/13/2024 10:10 pm File: C:\pwworking\hdr_sites_reservoir\dms02845\STS-1309-C-3301.dwg Saved By: MASHILEM

REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY: S. HAUGAARD
 DRAWN BY: C. FALK
 CHECKED BY: B. ALDRIDGE
 IN CHARGE: M. SMITH
 DATE: 03/15/24



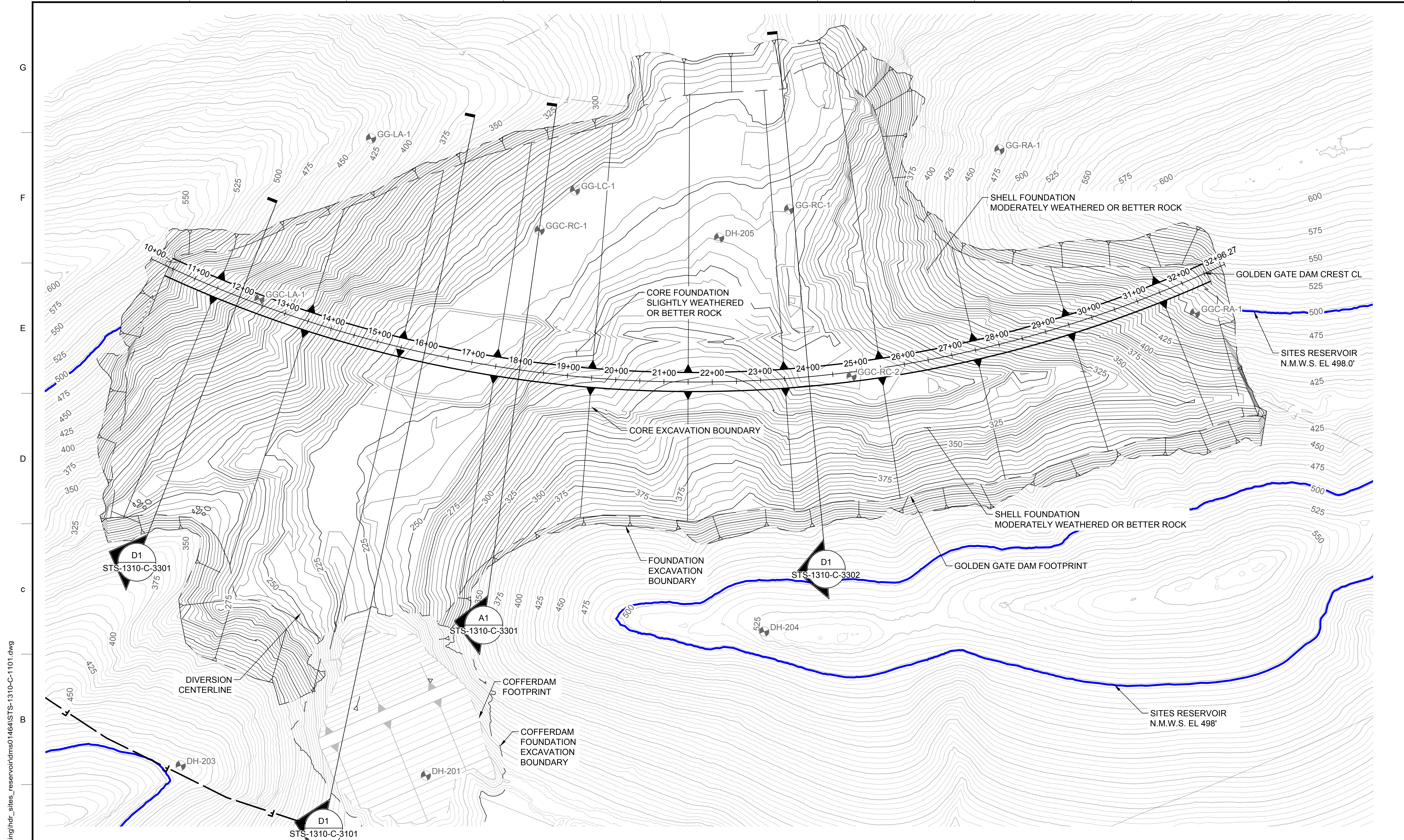
REGISTERED PROFESSIONAL ENGINEER
 M. SMITH
 C 42978
 CALIFORNIA



SITES RESERVOIR
GOLDEN GATE DAM COFFERDAM
CIVIL EMBANKMENT SECTIONS

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
 0 50' 100'
 1"
 DRAWING NO. STS-1309-C-3301
 SHT OF

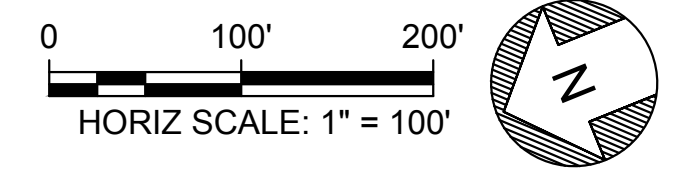
30% SUBMITTAL - NOT FOR CONSTRUCTION



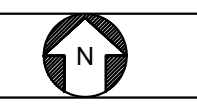
GENERAL NOTES

1. EXCAVATION CONTOURS ARE APPROXIMATE. THE EXCAVATION SHALL BE PERFORMED TO THE ROCK QUALITY SHOWN, AS DETERMINED BY THE ENGINEER AND APPROVED BY DSOD. FIELD IDENTIFICATION CRITERIA FOR THE FOUNDATION IS PROVIDED IN SECTION #### OF THE TECHNICAL SPECIFICATIONS.
2. EXCAVATION BACK-CUTS SHALL BE CONSTRUCTED NO STEEPER THEN WHAT IS SHOWN BUT MAY BE FLATTER IF REQUIRED FOR A STABLE EXCAVATION.
3. CLEAR AND GRUB TO NO MORE THAN 10 FT BEYOND THE LIMITS OF EXCAVATION.
4. SEE STS-1110-C-1104 FOR FOUNDATION TREATMENT DETAILS.
5. FOUNDATION EXCAVATION SURFACE TO BE UPDATED AFTER COMPLETION OF SUPPLEMENTAL GEOTECHNICAL EXPLORATION BORINGS.
6. COFFERDAM SHALL BE COMPLETED PRIOR TO COMPLETION OF EXCAVATION FOR MAIN DAM.

PLAN
HORIZ SCALE: 1" = 100'



KEY MAP



Plot Date: 3/21/2024 11:02 AM File: C:\pwworking\hdr_sites_reservoir\dms01464\STS-1310-C-1101.dwg Saved By: LECLUSER

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
D. HUGHES

DRAWN BY:
R. L'ECLUSE

CHECKED BY:
B. ALDRIDGE

IN CHARGE:
M. SMITH

DATE:
03/15/24



REGISTERED PROFESSIONAL ENGINEER
M. SMITH
C 42978
CALIFORNIA



SITES RESERVOIR

GOLDEN GATE DAM

CIVIL

FOUNDATION EXCAVATION

PLAN

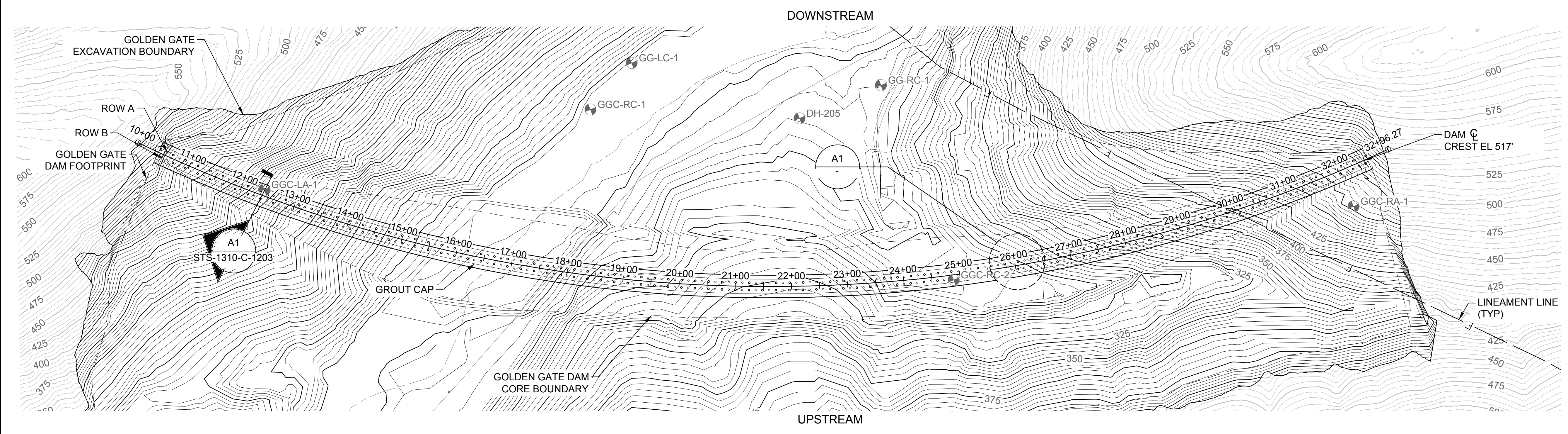
VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

DRAWING NO.
STS-1310-C-1101
SHT OF

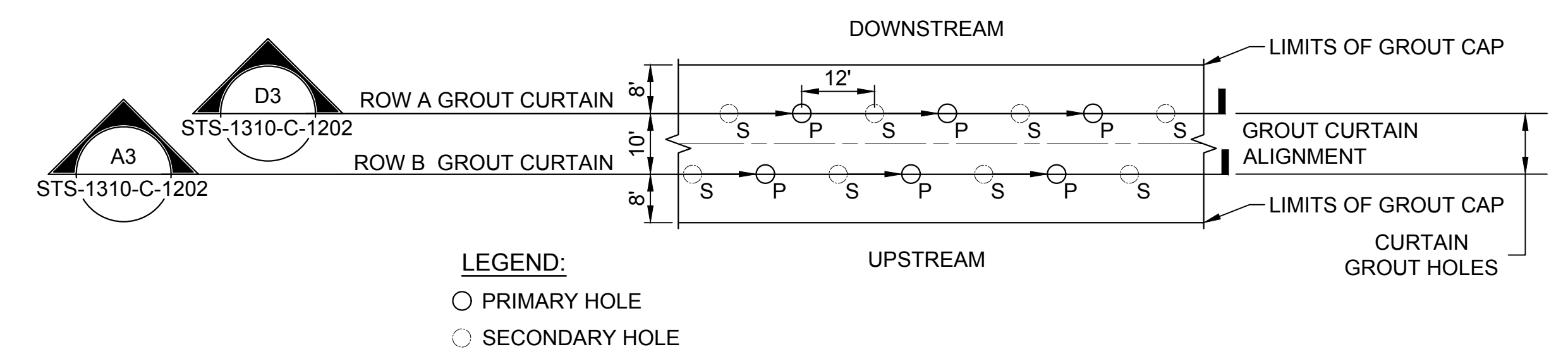
30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

- CLEAN AND SLUSH GROUT FOUNDATION SURFACES UNDER CORE ZONE 1 AND FILTER ZONE 2 WITHIN THE CHIMNEY. STITCH GROUT AT FAULTS AND SHEARS.
- TERTIARY OR HIGHER ORDER HOLES TO BE INSTALLED AS REQUIRED BY THE ENGINEER BASED ON CONDITIONS ENCOUNTERED AND WATER TEST AND GROUT TAKE DATA. TERTIARY AND HIGHER ORDER HOLES WILL BE PLACED TO SPLIT THE SPACING BETWEEN THE PRIMARY AND SECONDARY HOLES. TERTIARY AND HIGHER ORDER HOLES ARE NOT SHOWN.

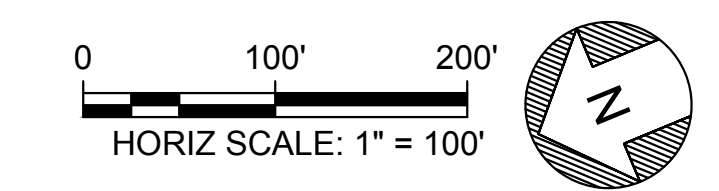


PLAN
HORIZ SCALE: 1" = 100'

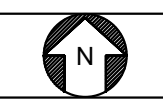


LEGEND:
 ○ PRIMARY HOLE
 ○ SECONDARY HOLE

A1 GROUTING CAP DETAIL
SCALE



KEY MAP



Plot Date: 3/21/2024 10:48 AM File: C:\pwworking\hdr_sites_reservoir\dms01464\STS-1310-C-1201.dwg Saved By: KRISTINE PALMISANO

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
D. HUGHES
 DRAWN BY:
R. L'ECLUSE
 CHECKED BY:
B. ALDRIDGE
 IN CHARGE:
M. SMITH
 DATE:
03/15/24



REGISTERED PROFESSIONAL ENGINEER
 M. SMITH
 C 42978
 CALIFORNIA



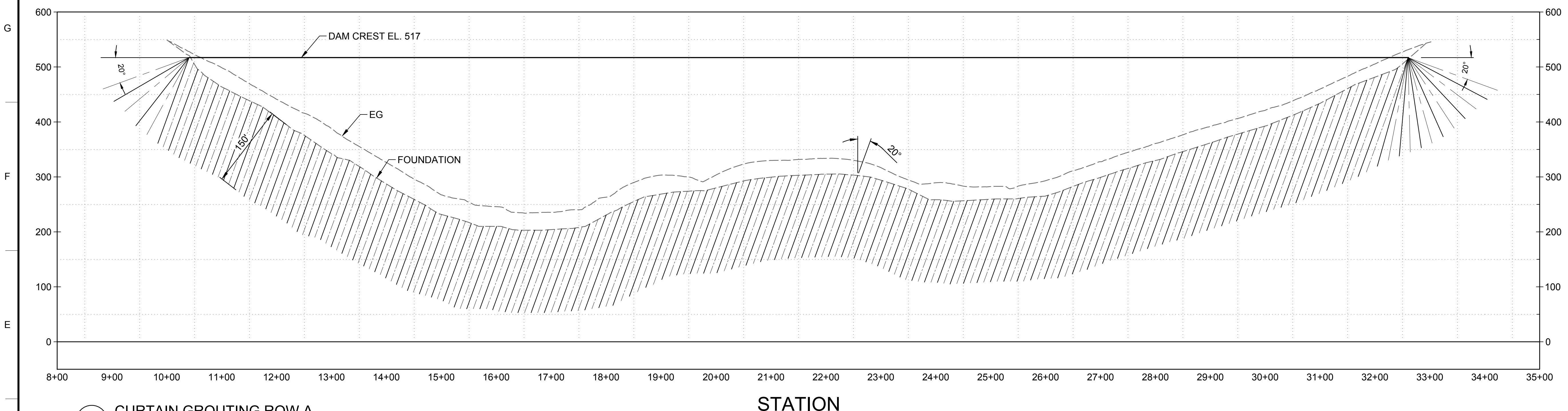
SITES RESERVOIR
GOLDEN GATE DAM
CIVIL
FOUNDATION GROUTING
PLAN

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
 0 100 1"
 DRAWING NO.
 STS-1310-C-1201
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

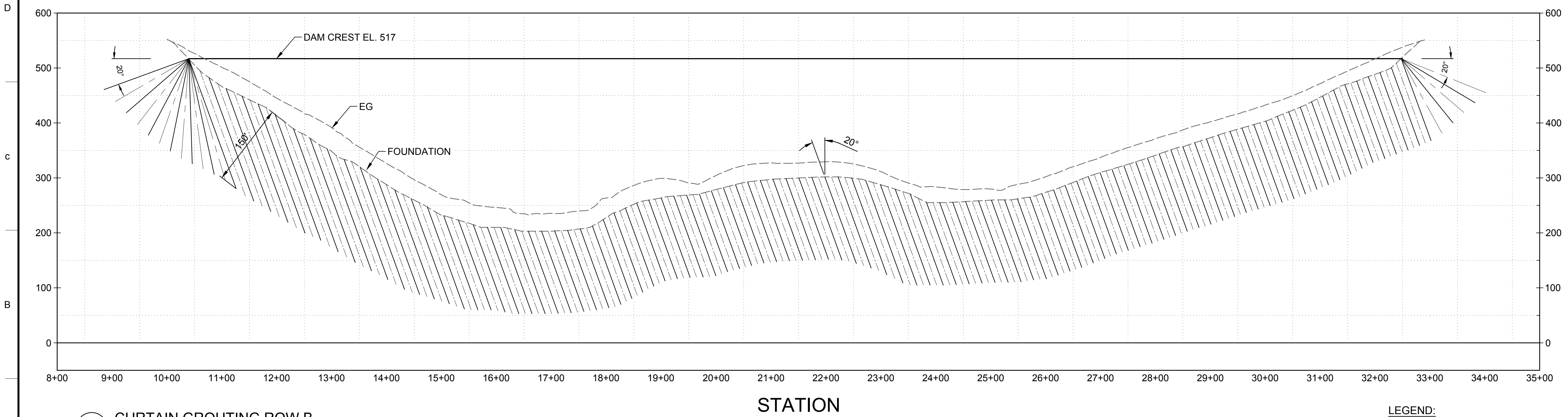
GENERAL NOTES

1. SPACE PRIMARY HOLES AT 24 FEET MEASURED PERPENDICULAR TO THE HOLES. SECONDARY HOLES ARE TO BE LOCATED HALFWAY BETWEEN THE PRIMARY HOLES.
2. THE MINIMUM LENGTHS OF THE PRIMARY AND SECONDARY CURTAIN HOLES SHALL BE SUCH THAT THE DEPTH OF THE GROUT CURTAIN IS 150 AND 100 FEET AS SHOWN ON THE DRAWINGS, MEASURED NORMAL TO THE FOUNDATION SURFACE. HOLE LENGTHS OF TERTIARY AND HIGHER ORDER HOLES AND THE NEED FOR TERTIARY AND HIGHER ORDER HOLES WILL BE DETERMINED BY THE CONDITIONS ENCOUNTERED AND UPON THE WATER TEST AND GROUT TAKE DATA AS DETERMINED BY THE ENGINEER. THE LENGTH OF TERTIARY AND HIGHER ORDER HOLES WILL NOT EXCEED THAT OF THE LONGEST ADJACENT PRIMARY HOLE UNLESS OTHERWISE REQUIRED BY THE ENGINEER.
3. INSTALL GROUT CAP PRIOR TO GROUT CURTAIN.
4. VERIFICATION TESTING WILL BE PERFORMED ALONG THE DAM CENTERLINE WITH HOLES SPACED EVERY 50 FEET HORIZONTALLY.
5. REFER TO SITES GROUT CAP DETAILS ON SHEET STS-1110-C-1203



D1 CURTAIN GROUTING ROW A

HORIZONTAL SCALE: 1" = 100'
 VERTICAL SCALE: 1" = 100'
 STS-1310-C-1201



A1 CURTAIN GROUTING ROW B

HORIZONTAL SCALE: 1" = 100'
 VERTICAL SCALE: 1" = 100'
 STS-1310-C-1201

LEGEND:
 — = PRIMARY HOLES
 - - - = SECONDARY HOLES

0 100' 200'

Plot Date: 3/21/2024 11:37 AM File: C:\pwworking\hdr_sites_reservoir\dms01464\STS-1310-C-1202.dwg Saved By: COLIN BLACKWOOD

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
D. HUGHES

DRAWN BY:
R. L'ECLUSE

CHECKED BY:
B. ALDRIDGE

IN CHARGE:
M. SMITH

DATE:
03/15/24



REGISTERED
 PROFESSIONAL
 ENGINEER
 M. SMITH
 C 42978
 CALIFORNIA



SITES RESERVOIR

GOLDEN GATE DAM
 CIVIL
 DAM FOUNDATION GROUTING
 PROFILE

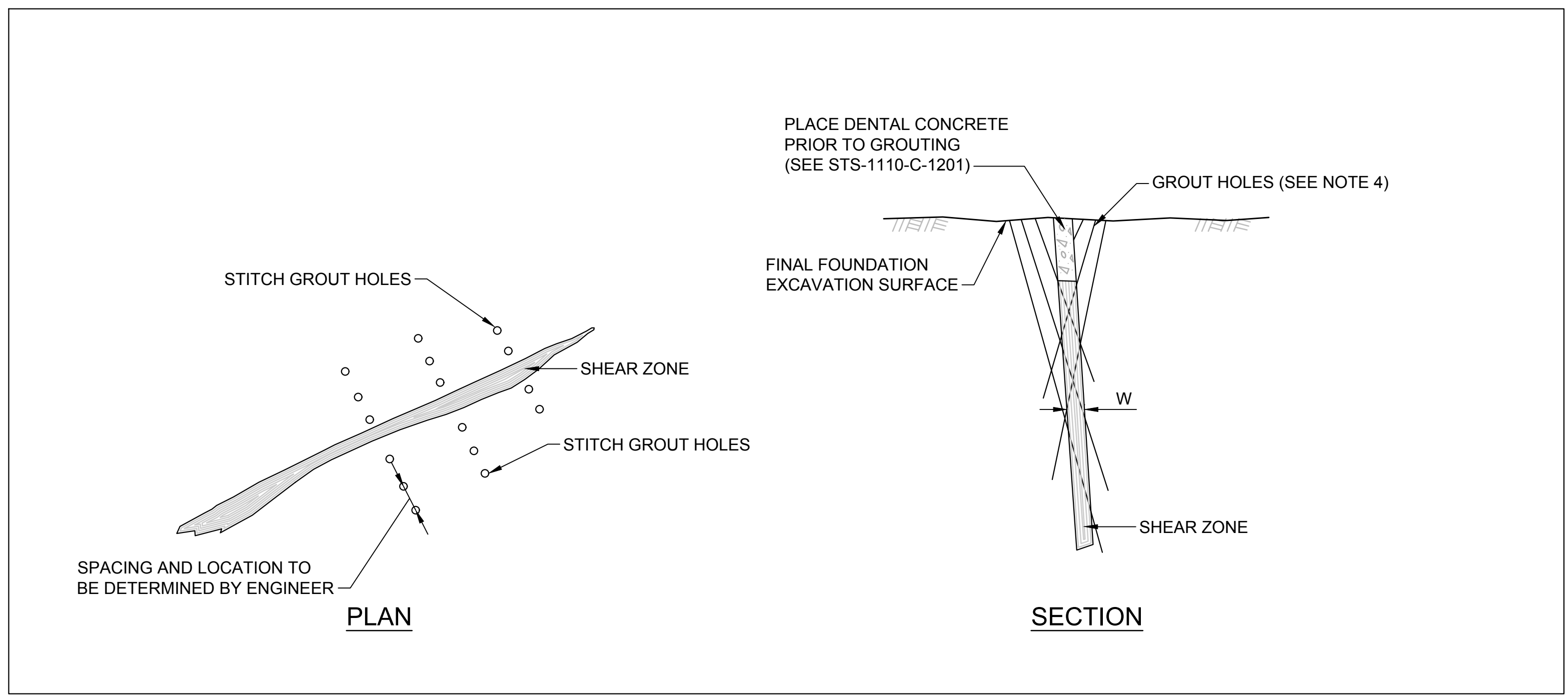
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

0 100' 200' 1"

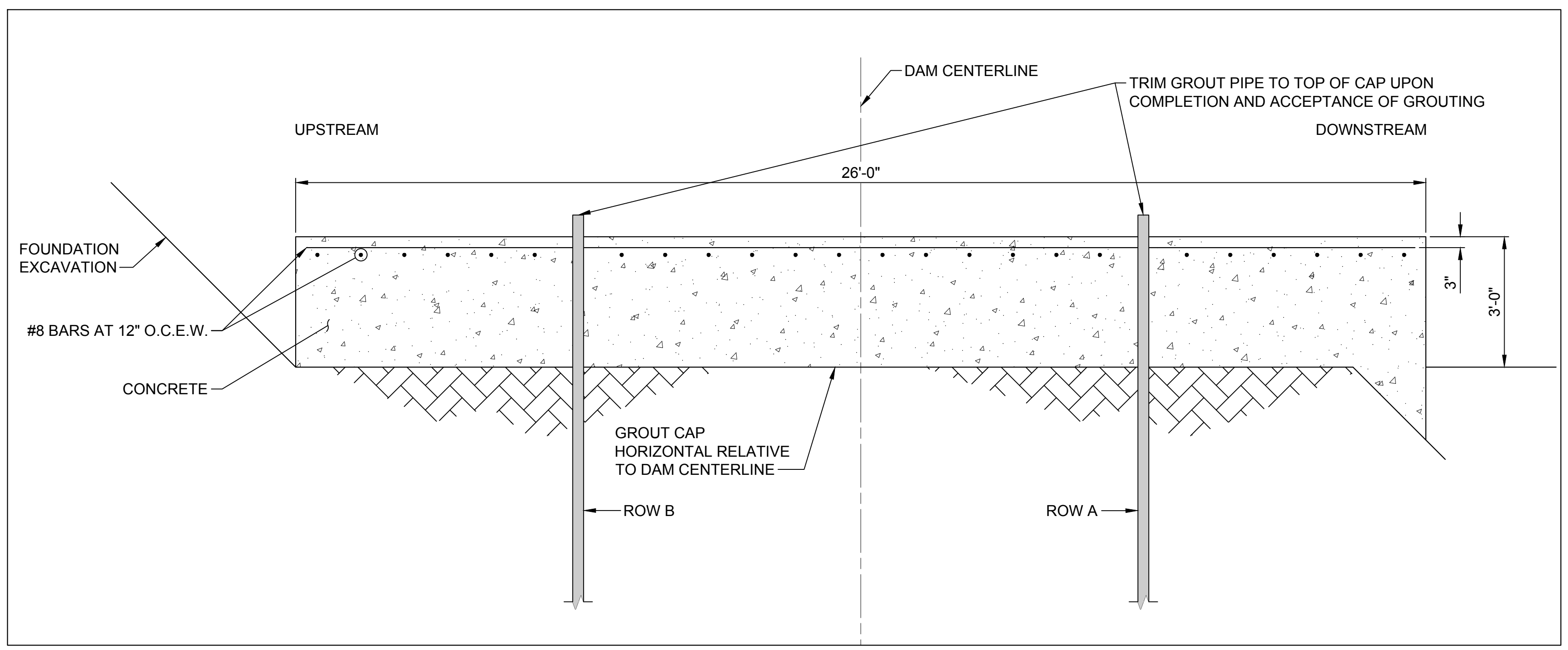
DRAWING NO.
 STS-1310-C-1202
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

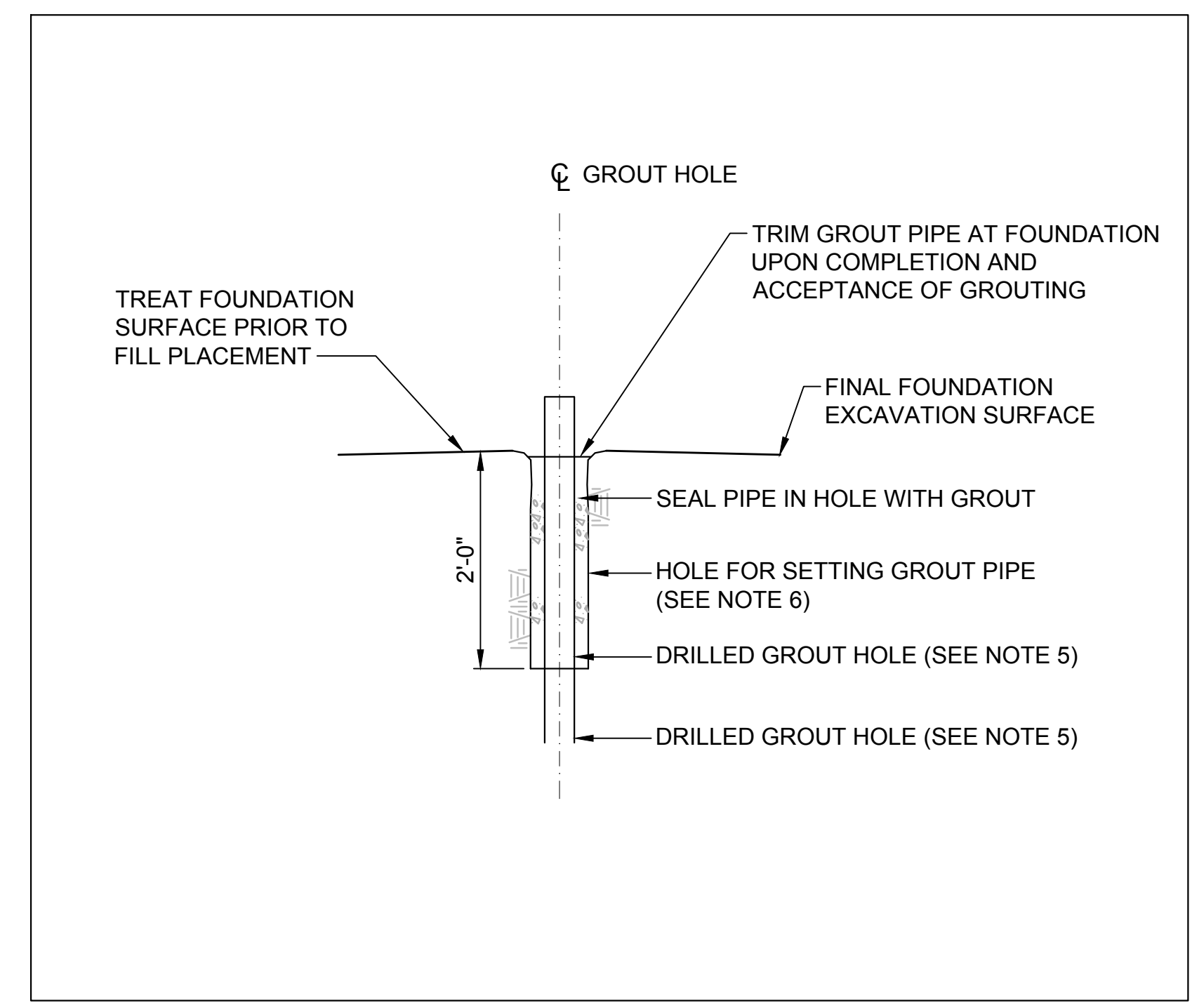
G
F
E
D
C
B
A



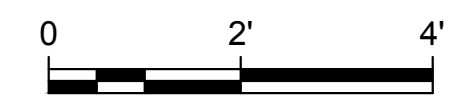
D1 DETAIL - SHEAR ZONE STITCH GROUTING (SEE NOTE 7)
SCALE: NOT TO SCALE
STS-1110-C-1201



A1 GROUT CAP DETAIL
SCALE 1"=2'
STS-1110-C-1201



A7 DETAIL - TYPICAL GROUT PIPE FOR STITCH GROUTING
SCALE: NOT TO SCALE
STS-1110-C-1201



GENERAL NOTES

1. REQUIRED TREATMENT DEPTH TO BE PROVIDED IN THE FIELD BY THE ENGINEER.
2. HOLE LENGTHS OF TERTIARY AND HIGHER ORDER HOLES AND THE NEED FOR TERTIARY AND HIGHER ORDER HOLES WILL BE DETERMINED BY THE ENGINEER BASED UPON THE CONDITIONS ENCOUNTERED AND UPON THE WATER TEST AND GROUT TAKE DATA. THE LENGTH OF TERTIARY AND HIGHER ORDER HOLES WILL NOT EXCEED THAT OF THE LONGEST ADJACENT PRIMARY OR SECONDARY HOLE.
3. VERIFICATION TESTING WILL BE PERFORMED ALONG THE LENGTH OF THE STITCH GROUTING WITH HOLES EVERY 75 FEET HORIZONTALLY AT THE LOCATION REQUIRED BY THE ENGINEER. HOLES WILL EXTEND TO THE DEPTH OF THE PRIMARY GROUT CURTAIN HOLES.
4. ANGLES, DEPTHS, SPACING AND LOCATIONS OF STITCH GROUT HOLES WITH RESPECT TO SHEAR ZONES WILL BE ESTABLISHED BY THE ENGINEER.
5. PIPE INCLINATION SHOWN ON SHEET STS-1110-C-1202.
6. SELECT APPROPRIATE HOLE DIAMETER TO SET GROUT PIPES.
7. STITCH GROUT WHEN SHEAR ZONE WIDTH "W" IS GREATER THAN 6 INCHES. FOR ZONE 1 FOUNDATION ONLY OR AS OTHERWISE DIRECTED BY THE ENGINEER.
8. PIPE MAY BE CAST WITH THE CONCRETE, OR GROUT HOLE MAY BE DRILLED IN AND GROUT PIPE SET AFTER CONCRETE PLACEMENT.

Plot Date: 3/21/2024 11:12 AM File: C:\pwworking\hdr_sites_reservoir\dms01464\STS-1310-C-1203.dwg Saved By: LECUSER

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
D. HUGHES

DRAWN BY:
R. L'ECLUSE

CHECKED BY:
B. ALDRIDGE

IN CHARGE:
M. SMITH

DATE:
03/15/24



REGISTERED PROFESSIONAL ENGINEER
M. SMITH
C 42978
CALIFORNIA



SITES RESERVOIR

GOLDEN GATE DAM CIVIL

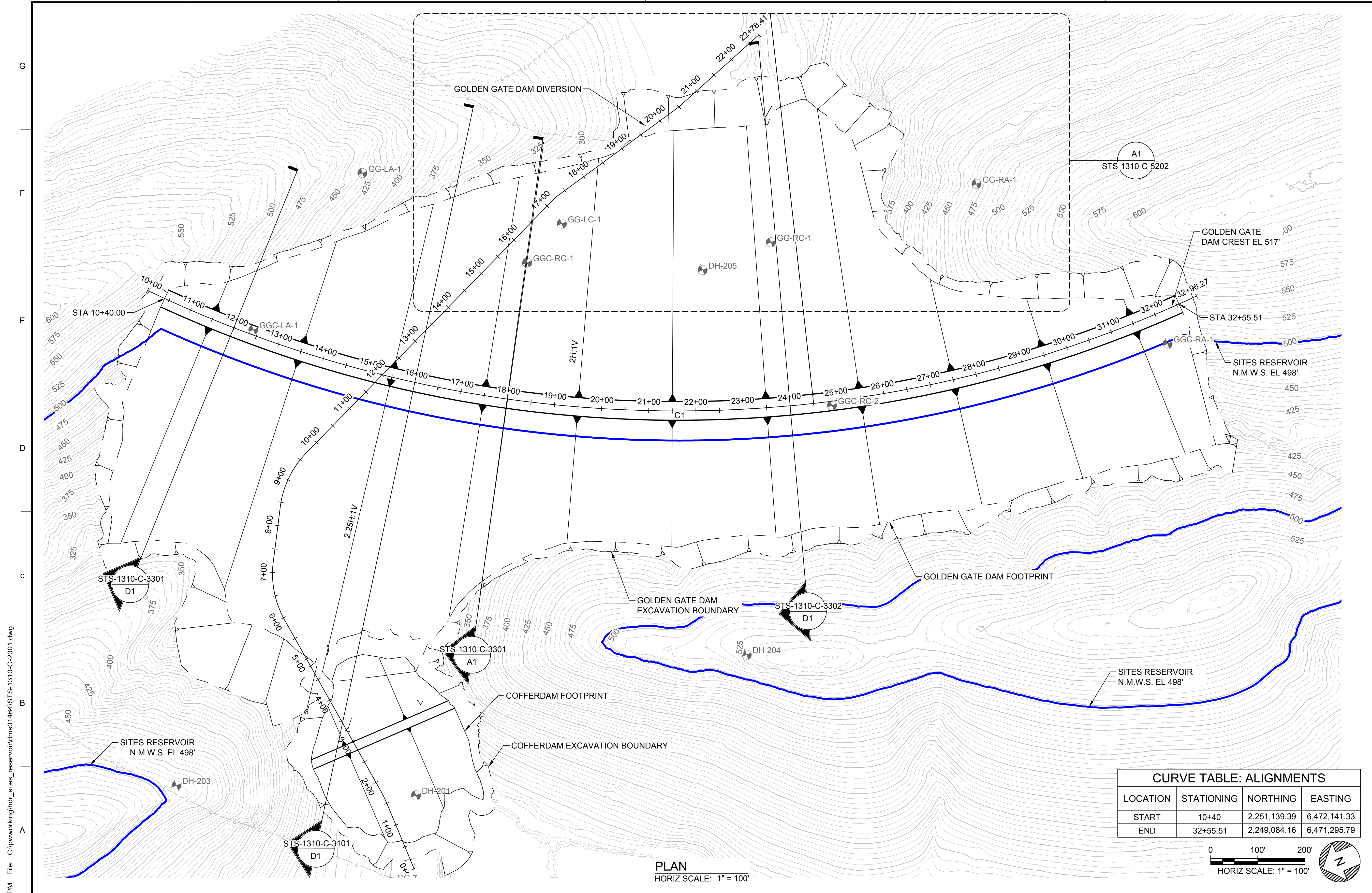
DAM FOUNDATION GROUTING DETAILS

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.

0 1"

DRAWING NO.
STS-1310-C-1203
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

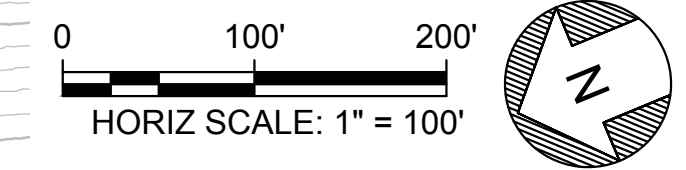


GENERAL NOTES

KEY MAP

CURVE TABLE: ALIGNMENTS

LOCATION	STATIONING	NORTHING	EASTING
START	10+40	2,251,139.39	6,472,141.33
END	32+55.51	2,249,084.16	6,471,295.79



PLAN
HORIZ SCALE: 1" = 100'

Plot Date: 3/22/2024 12:28 PM File: C:\pwworking\hdr_sites_reservoir\dmsh01464\STS-1310-C-2001.dwg Saved By: LECLUSER

DESIGNED BY:	D. HUGHES
DRAWN BY:	R. L'ECLUSE
CHECKED BY:	B. ALDRIDGE
IN CHARGE:	M. SMITH
DATE:	03/15/24

AECOM
2020 L Street, Suite 400
Sacramento, CA 95811
TEL: 916.414.5800

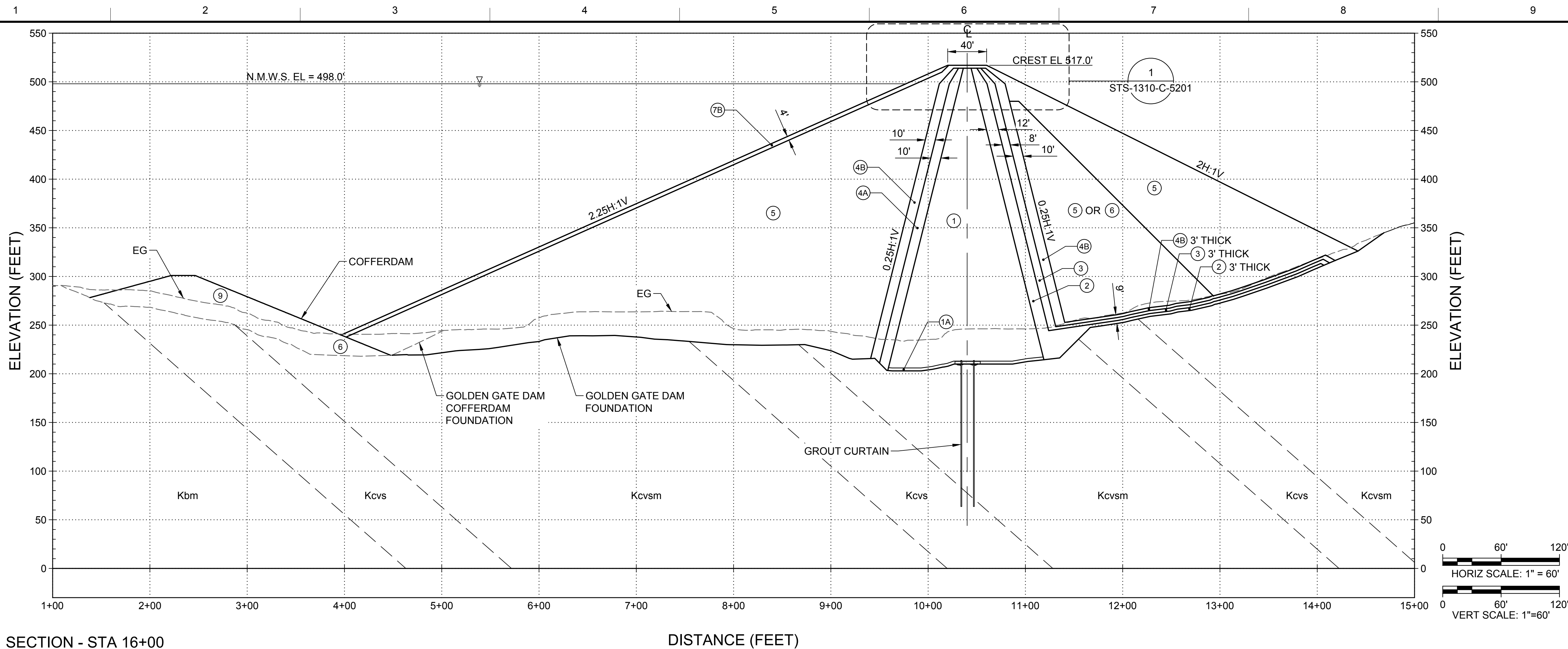
REGISTERED PROFESSIONAL ENGINEER
M. SMITH
C 42978
CALIFORNIA



SITES RESERVOIR
GOLDEN GATE DAM
CIVIL EMBANKMENT
PLAN

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
DRAWING NO.
STS-1310-C-2001
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



- GENERAL NOTES**
1. FOR CURTAIN GROUTING PROFILE SEE SHEET STS-1310-C-1202.
 2. FOR ZONE DESCRIPTION TABLE AND SIEVE SIZES SEE STS-0001-G-0027.

D1 SECTION - STA 16+00
HORIZONTAL SCALE: 1" = 60'

STS-1310-C-2001

Plot Date: 3/22/2024 11:48 AM File: C:\pwworking\hdr_sites_reservoir\dms01464\STS-1310-C-3101.dwg Saved By: KRISTINE PALMISANO

DESIGNED BY:	D. HUGHES
DRAWN BY:	R. L'ECLUSE
CHECKED BY:	B. ALDRIDGE
IN CHARGE:	M. SMITH
DATE:	03/15/24



REGISTERED
PROFESSIONAL
ENGINEER
M. SMITH
C 42978
CALIFORNIA

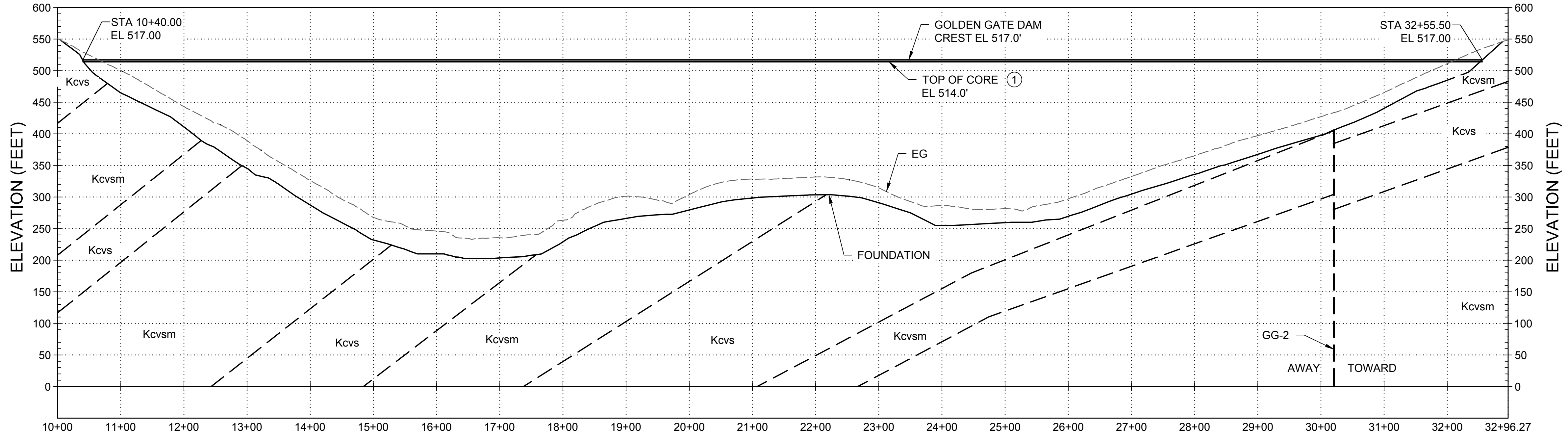


SITES RESERVOIR
GOLDEN GATE DAM
CIVIL
EMBANKMENT
MAXIMUM SECTION

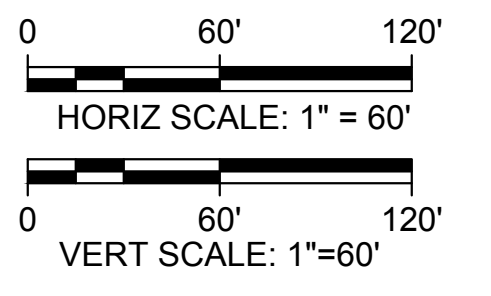
VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
DRAWING NO.
STS-1310-C-3101
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

Plot Date: 3/14/2024 12:14 PM File: C:\pwworking\hdr_sites_reservoir\dms01464\STS-1310-C-3201.dwg Saved By: LECLUSER



PROFILE
 HORIZ SCALE: 1" = 100'
 VERT SCALE: 1" = 100'



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
D. HUGHES
 DRAWN BY:
R. L'ECLUSE
 CHECKED BY:
B. ALDRIDGE
 IN CHARGE:
M. SMITH
 DATE:
03/15/24



REGISTERED
 PROFESSIONAL
 ENGINEER
 M. SMITH
 C 42978
 CALIFORNIA



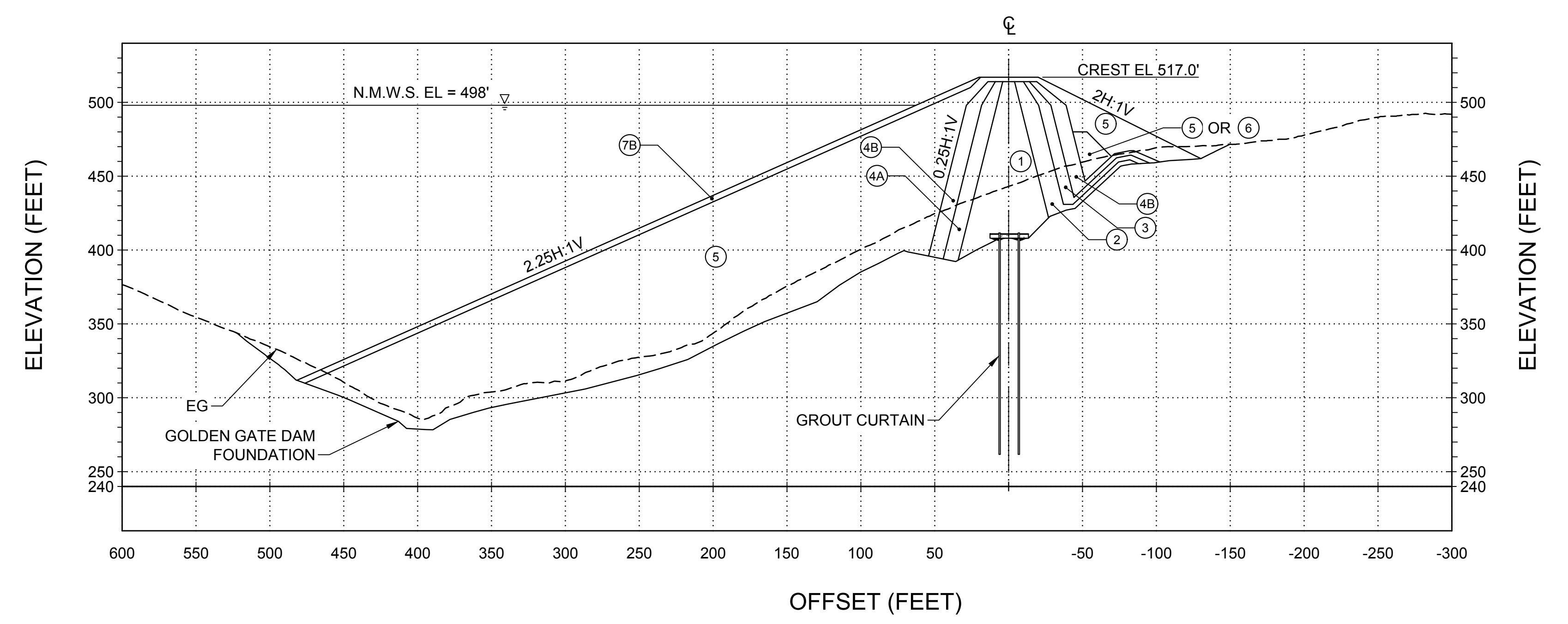
SITES RESERVOIR
 GOLDEN GATE DAM
 CIVIL
 EMBANKMENT
 PROFILE

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL
 DRAWING. ADJUST SCALES FOR
 REDUCED PLOTS
 0 60' 120'
 1"
 DRAWING NO.
 STS-1310-C-3201
 SHT OF

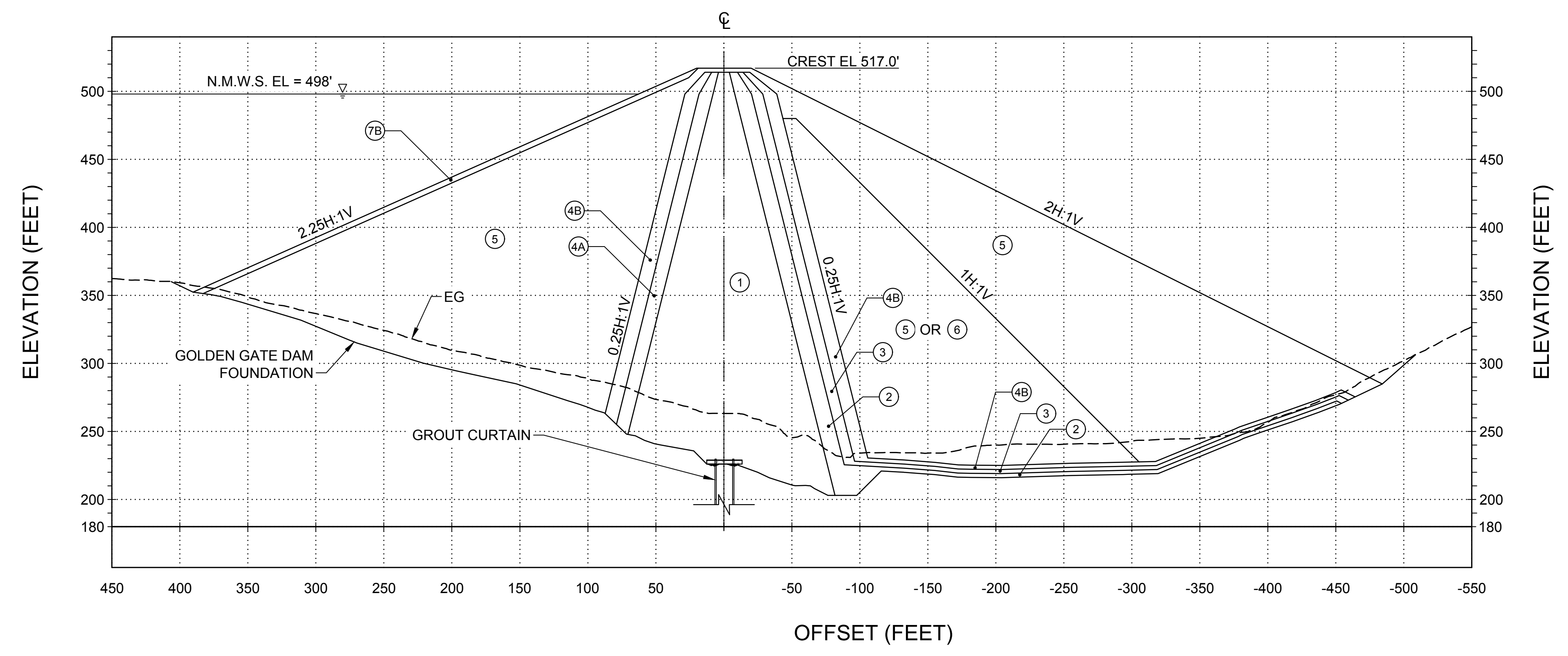
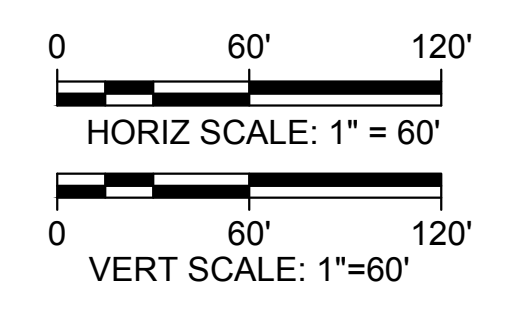
30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

1. FOR ZONE DESCRIPTION TABLE AND SIEVE SIZES SEE STS-0001-G-0027



D1 SECTION - STA 12+00
 SCALE: 1"=60'
 VERTICAL SCALE: 1" = 60'
 STS-1310-C-2001



A1 SECTION - STA 18+00
 SCALE: 1"=60'
 VERTICAL SCALE: 1" = 60'
 STS-1310-C-2001

Plot Date: 3/21/2024 12:01 PM File: C:\pwworking\hdr_sites_reservoir\dmsh01464\STS-1310-C-3301.dwg Saved By: KRISTINE PALMISANO

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	D. HUGHES
DRAWN BY:	R. L'ECLUSE
CHECKED BY:	B. ALDRIDGE
IN CHARGE:	M. SMITH
DATE:	03/15/24



REGISTERED PROFESSIONAL ENGINEER
 M. SMITH
 C 42978
 CALIFORNIA

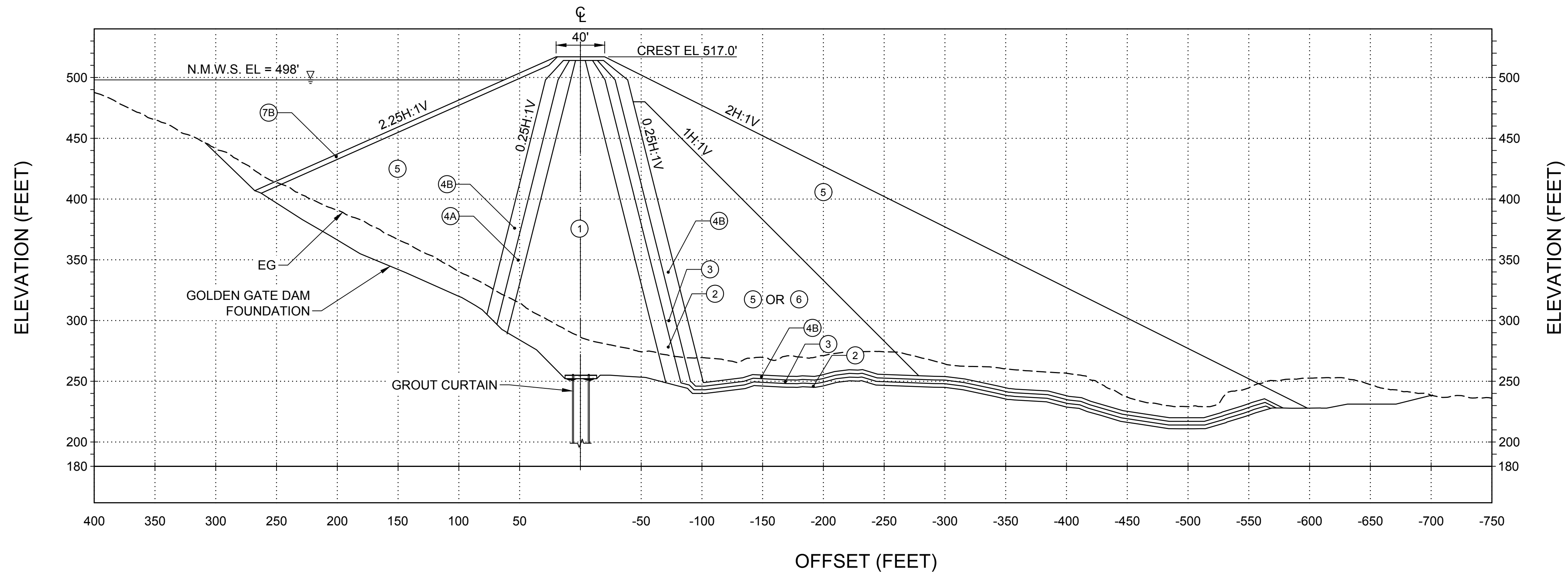


SITES RESERVOIR

**GOLDEN GATE DAM
 CIVIL
 EMBANKMENT
 SECTIONS**

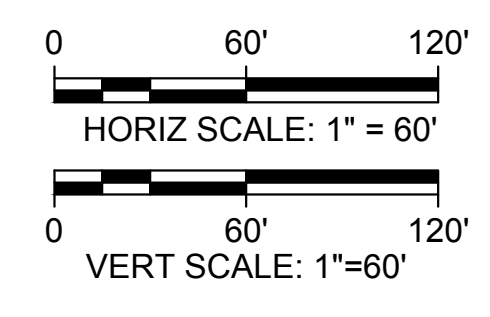
VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
	0 60' 120' 1"
DRAWING NO.	STS-1310-C-3301
SHT	OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



D1 SECTION - STA 24+00
SCALE: 1"=60'

STS-1310-C-2001



GENERAL NOTES

1. FOR ZONE DIMENSIONS SEE STS-1310-C-3101.
2. FOR ZONE DESCRIPTION TABLE AND SIEVE SIZES SEE STS-0001-G-0027.

Plot Date: 3/21/2024 9:13 AM
Saved By: LECLUSER
File: C:\pwworking\hdr_sites_reservoir\dms01464\STS-1310-C-3302.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
D. HUGHES

DRAWN BY:
R. L'ECLUSE

CHECKED BY:
B. ALDRIDGE

IN CHARGE:
M. SMITH

DATE:
03/15/24



REGISTERED
PROFESSIONAL
ENGINEER
M. SMITH
C 42978
CALIFORNIA



SITES RESERVOIR

GOLDEN GATE DAM
CIVIL
EMBANKMENT
SECTIONS

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL
DRAWING. ADJUST SCALES FOR
REDUCED PLOTS

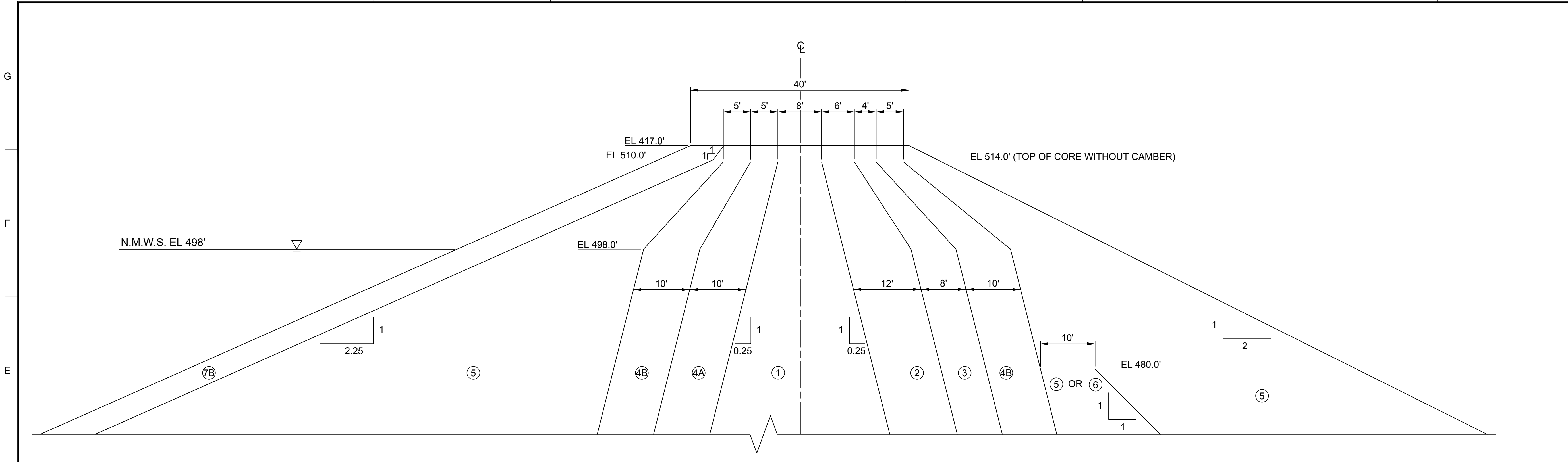
0 1"

DRAWING NO.
STS-1310-C-3302
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

1. FOR ZONE DESCRIPTION TABLE AND SIEVE SIZES SEE STS-0001-G-0027.



D1 CREST DETAIL
SCALE: NOT TO SCALE

STS-1110-C-3101

Plot Date: 3/12/2024 1:17 PM
Saved By: LEC/LUSER
File: C:\pwworking\hdr_sites_reservoir\dms01464\STS-1310-C-5201.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
D. HUGHES

DRAWN BY:
R. L'ECLUSE

CHECKED BY:
B. ALDRIDGE

IN CHARGE:
M. SMITH

DATE:
03/15/24



REGISTERED
PROFESSIONAL
ENGINEER
M. SMITH
C 42978
CALIFORNIA



SITES RESERVOIR

GOLDEN GATE DAM
CIVIL
EMBANKMENT
CREST DETAIL WITHOUT CAMBER

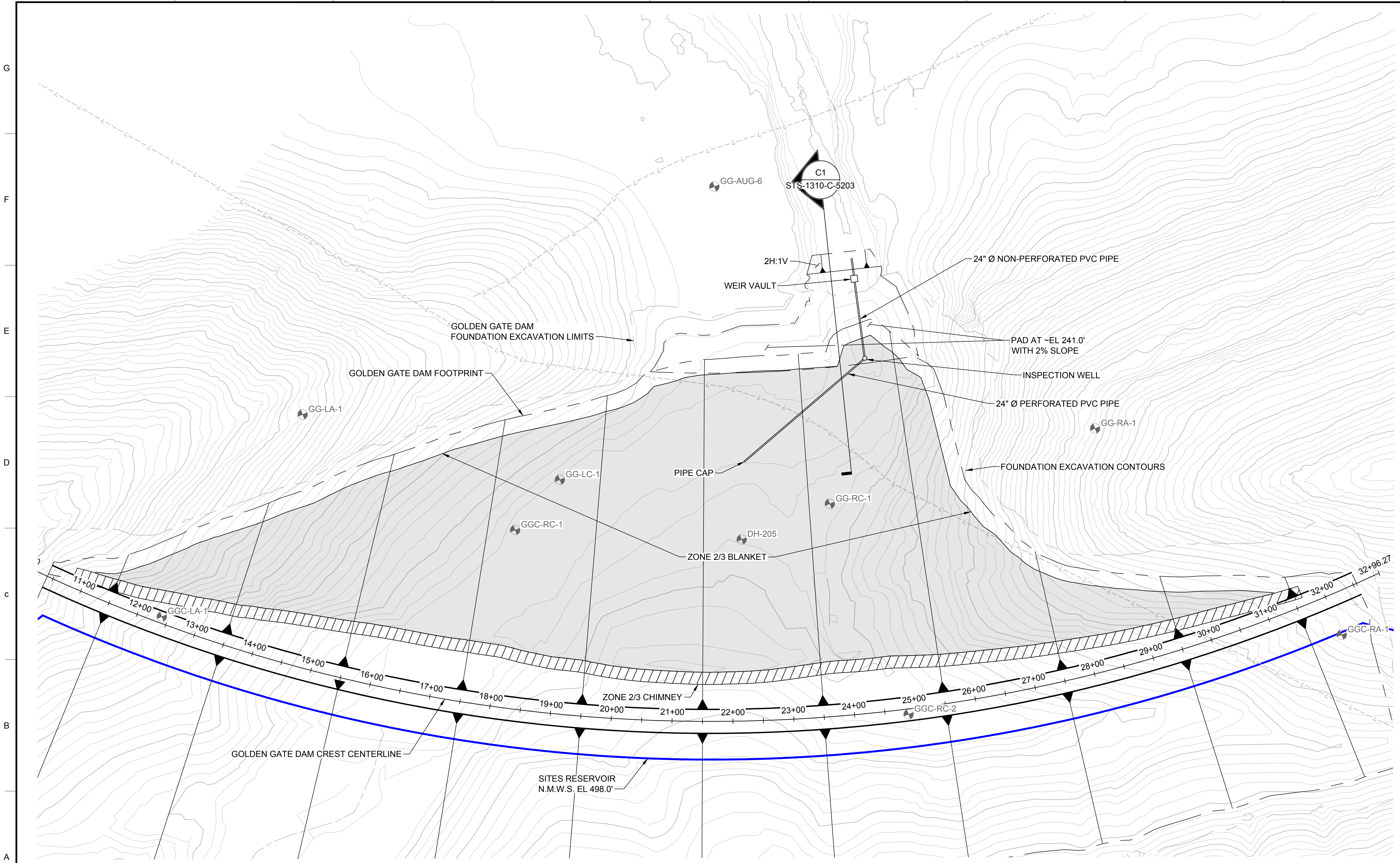
VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
0 1"

DRAWING NO.
STS-1310-C-5201
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

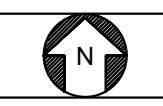
GENERAL NOTES

1. GRADING SHOWN FOR THE PAD AT EL. ~241' IS APPROXIMATE AND WILL BE DESIGNED IN SUBSEQUENT DESIGN STAGES.



A1 PLAN
SCALE: 1" = 80'

KEY MAP



Plot Date: 3/22/2024 4:08 PM
 Saved By: LECUSER
 File: C:\pwworking\hdr_sites_reservoir\dmso1464\STS-1310-C-5202.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	D. HUGHES
DRAWN BY:	R. L'ECLUSE
CHECKED BY:	B. ALDRIDGE
IN CHARGE:	M. SMITH
DATE:	03/15/24



REGISTERED PROFESSIONAL ENGINEER
 M. SMITH
 C 42978
 CALIFORNIA



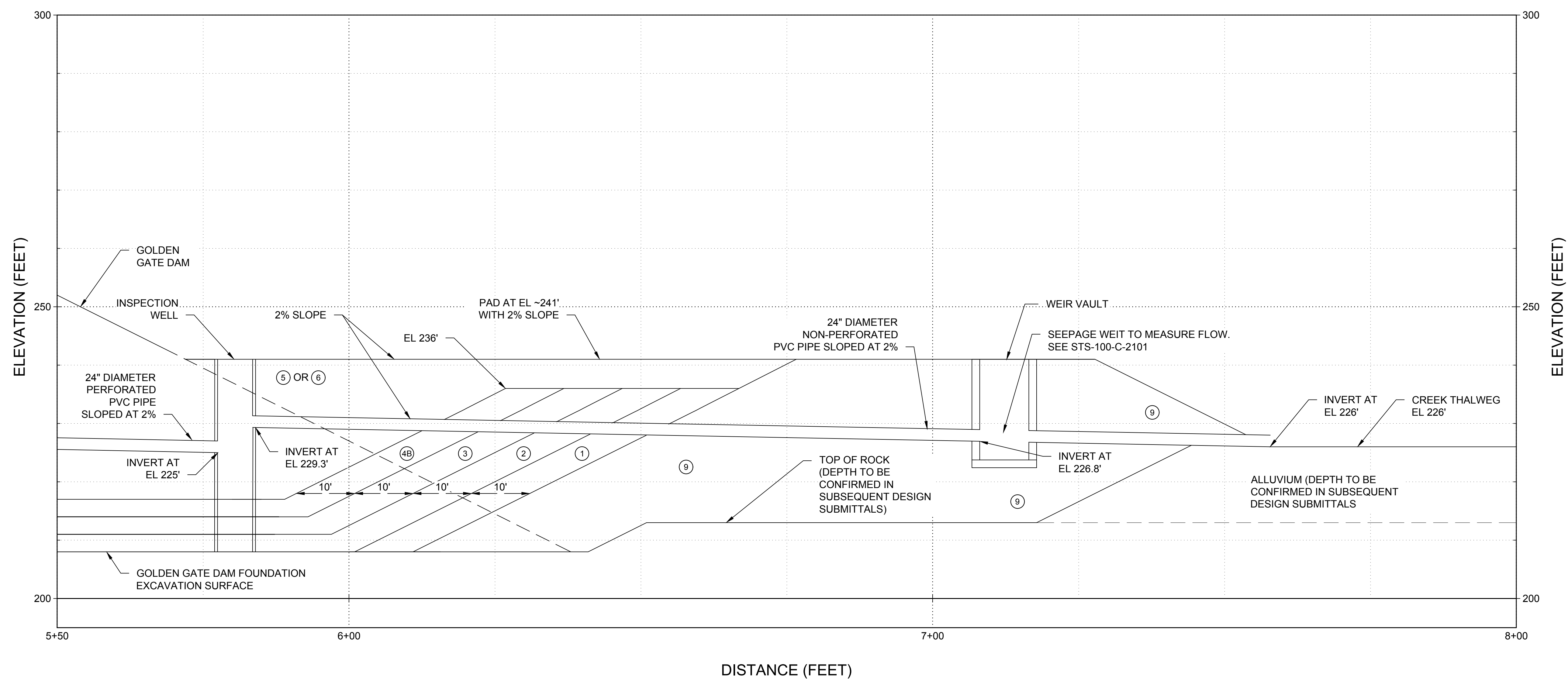
SITES RESERVOIR
GOLDEN GATE DAM
CIVIL
DRAINAGE BLANKET
DETAILED PLAN

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
	0 80' 160'
DRAWING NO.	STS-1310-C-5202
SHT	OF

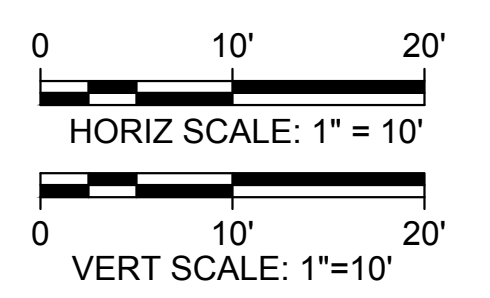
30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

1. DRAIN PIPE, WEIR VAULT, AND INSPECTION WELL PROJECTED TO THIS SECTION VIEW TO DEMONSTRATE CONCEPT. DESIGN WILL BE DETAILED FURTHER IN SUBSEQUENT DESIGN SUBMITTALS.
2. FOR ZONE DESCRIPTION TABLE AND SIEVE SIZES SEE STS-0001-G-0027



C1 DRAINAGE BLANKET SECTION DETAIL
 HORIZONTAL SCALE: 1" = 10'
 VERTICAL SCALE: 1" = 10'
 STS-1310-C-5202



Plot Date: 3/21/2024 1:36 PM File: C:\pwworking\hdr_sites_reservoir\dms01464\STS-1310-C-5203.dwg Saved By: KRISTINE PALMISANO

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: D. HUGHES
 DRAWN BY: R. L'ECLUSE
 CHECKED BY: B. ALDRIDGE
 IN CHARGE: M. SMITH
 DATE: 03/15/24



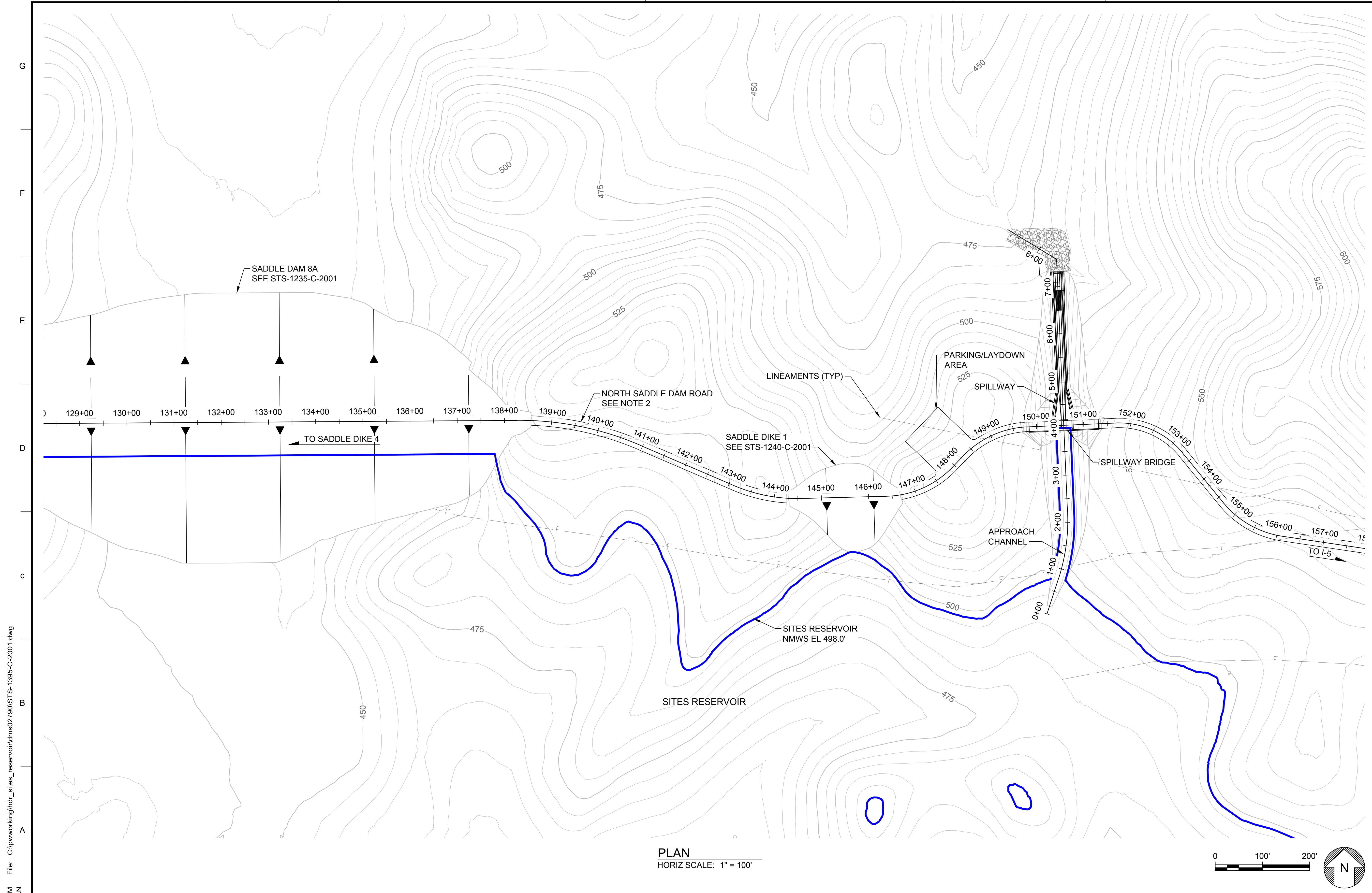
REGISTERED PROFESSIONAL ENGINEER
 M. SMITH
 C 42978
 CALIFORNIA



SITES RESERVOIR
 GOLDEN GATE DAM
 CIVIL
 EMBANKMENT
 DRAINAGE BLANKET DETAILS

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
 0 1" 1"
 DRAWING NO. STS-1310-C-5203
 SHT OF

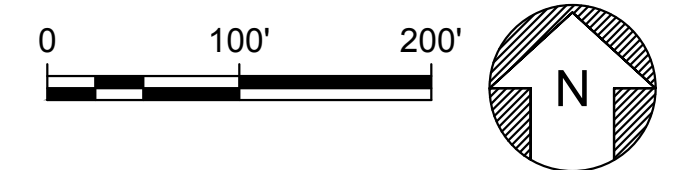
30% SUBMITTAL - NOT FOR CONSTRUCTION



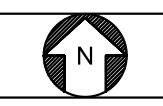
GENERAL NOTES

1. THE SPILLWAY IS LOCATED AT A LOW SPOT ALONG THE RESERVOIR RIM PREVIOUSLY DESIGNATED FOR CONSTRUCTION OF SADDLE DIKE 3.
2. FOR ROAD AND PARKING/LAYDOWN AREA CUT AND FILL, SEE STS-1765-R-2102.

PLAN
HORIZ SCALE: 1" = 100'



KEY MAP



File: C:\pwworking\hdr_sites_reservoir\dms02790\STS-1395-C-2001.dwg
 Plot Date: 3/22/2024 3:40 PM
 Saved By: CRAIG DONOVAN

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
I. ZARCHI
 DRAWN BY:
K. PALMISANO
 CHECKED BY:
B. ALDRIDGE
 IN CHARGE:
M. SMITH
 DATE:
03/15/24



REGISTERED
 PROFESSIONAL
 ENGINEER
 M. SMITH
 C 42978
 CALIFORNIA



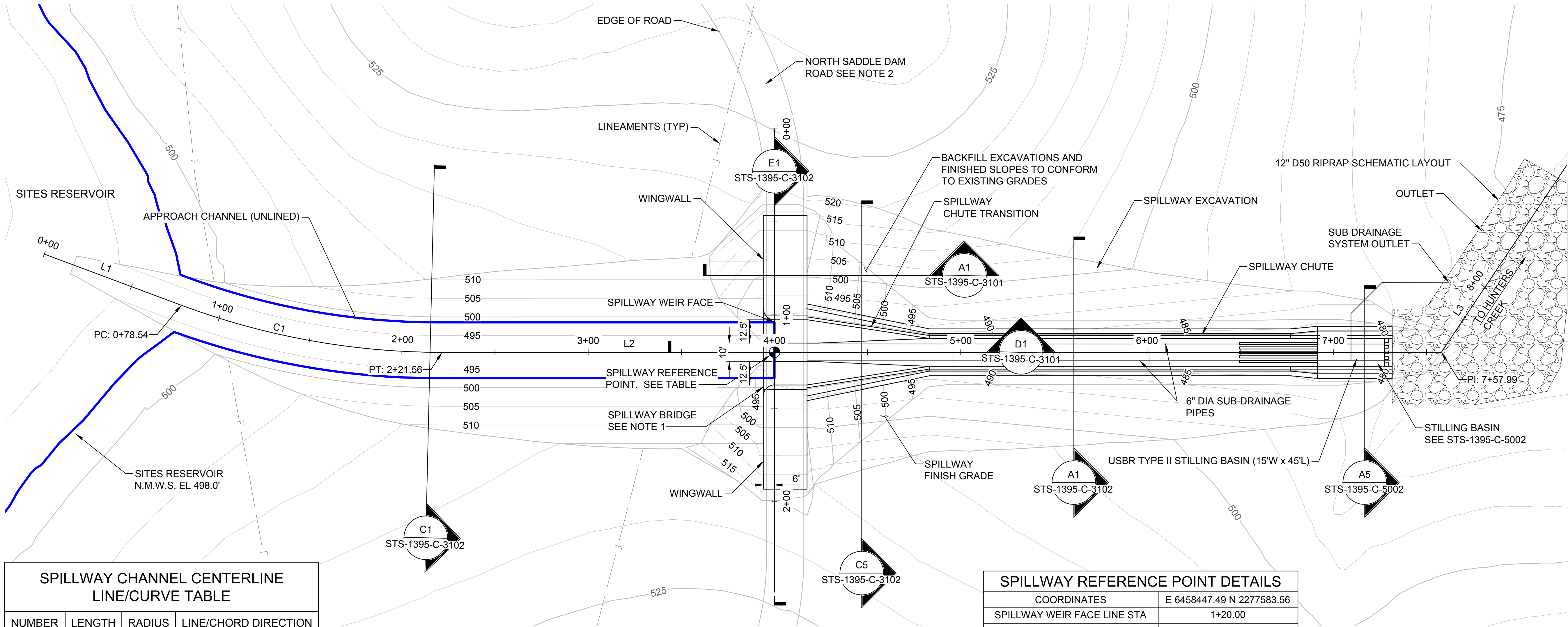
SITES RESERVOIR
 SITES RESERVOIR SPILLWAY
 CIVIL
 VICINITY MAP

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL
 DRAWING. ADJUST SCALES FOR
 REDUCED PLOTS

 DRAWING NO.
 STS-1395-C-2001
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

- NOTES:**
- BRIDGE NOT SHOWN FOR CLARITY, SEE DRAWING STS-1874-SB-0001
 - SEE ROADWAY DRAWING STS-1765-R-2102



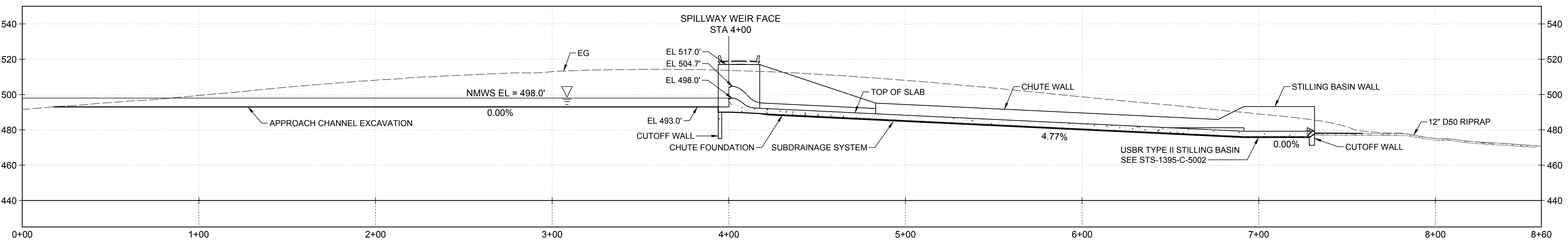
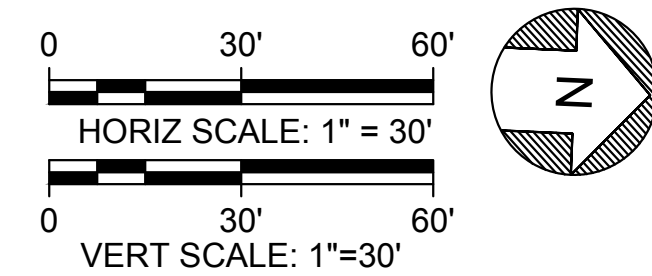
SPILLWAY CHANNEL CENTERLINE LINE/CURVE TABLE

NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION
C1	142.25'	400.00'	N07° 45' 41.62"E
L1	78.54'	-	N18° 00' 14.98"E
L2	536.44'	-	N02° 29' 06.08"W
L3	121.00'	-	N58° 39' 39.43"W

SPILLWAY REFERENCE POINT DETAILS

COORDINATES	E 6458447.49 N 2277583.56
SPILLWAY WEIR FACE LINE STA	1+20.00
SPILLWAY CHANNEL CL STA	4+00.00
NORTH SADDLE DAM ROAD STA	150+57.68

PLAN
HORIZ SCALE: 1" = 30'



CHANNEL CENTERLINE PROFILE
HORIZ SCALE: 1" = 30'
VERT SCALE: 1" = 30'

File: C:\pwworking\hdr_sites_reservoir\dms02790\STS-1395-C-2002.dwg
Plot Date: 3/22/2024 3:52 PM
Saved By: CRAIG DONOVAN

DESIGNED BY:	I. ZARCHI
DRAWN BY:	K. PALMISANO
CHECKED BY:	B. ALDRIDGE
IN CHARGE:	M. SMITH
DATE:	03/15/24



REGISTERED PROFESSIONAL ENGINEER
M. SMITH
C 42978
CALIFORNIA



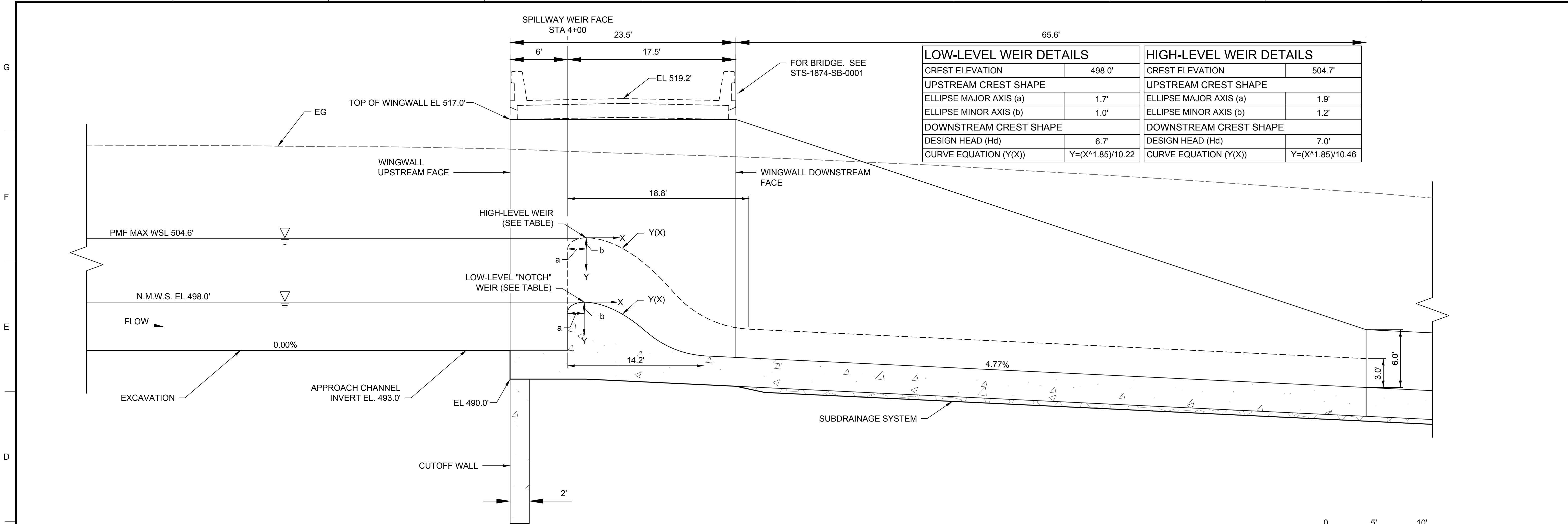
SITES RESERVOIR
SITES RESERVOIR SPILLWAY CIVIL
PLAN AND PROFILE

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.

0 30' 60' 1"

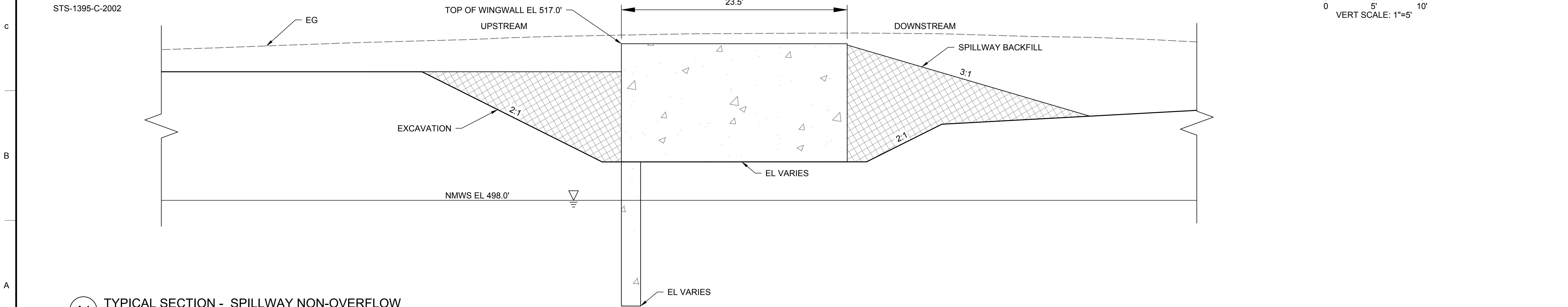
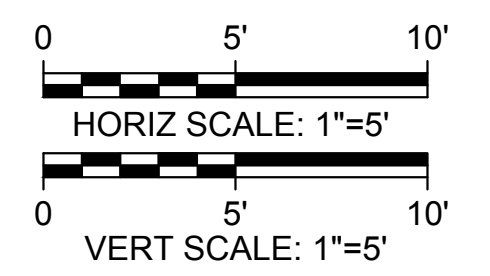
DRAWING NO.
STS-1395-C-2002
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



LOW-LEVEL WEIR DETAILS		HIGH-LEVEL WEIR DETAILS	
CREST ELEVATION	498.0'	CREST ELEVATION	504.7'
UPSTREAM CREST SHAPE		UPSTREAM CREST SHAPE	
ELLIPSE MAJOR AXIS (a)	1.7'	ELLIPSE MAJOR AXIS (a)	1.9'
ELLIPSE MINOR AXIS (b)	1.0'	ELLIPSE MINOR AXIS (b)	1.2'
DOWNSTREAM CREST SHAPE		DOWNSTREAM CREST SHAPE	
DESIGN HEAD (Hd)	6.7'	DESIGN HEAD (Hd)	7.0'
CURVE EQUATION (Y(X))	$Y=(X^{1.85})/10.22$	CURVE EQUATION (Y(X))	$Y=(X^{1.85})/10.46$

D1 TYPICAL SECTION - SPILLWAY WEIR OVERFLOW
HORIZONTAL SCALE: 1" = 5'



A1 TYPICAL SECTION - SPILLWAY NON-OVERFLOW
HORIZONTAL SCALE: 1" = 5'

Plot Date: 3/22/2024 3:55 PM
 Saved By: CRAIG DONOVAN
 File: C:\pwworking\hdr_sites_reservoir\dm\02790\STS-1395-C-3101.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
I. ZARCHI
 DRAWN BY:
K. PALMISANO
 CHECKED BY:
B. ALDRIDGE
 IN CHARGE:
M. SMITH
 DATE:
03/15/24



REGISTERED
 PROFESSIONAL
 ENGINEER
 M. SMITH
 C 42978
 CALIFORNIA

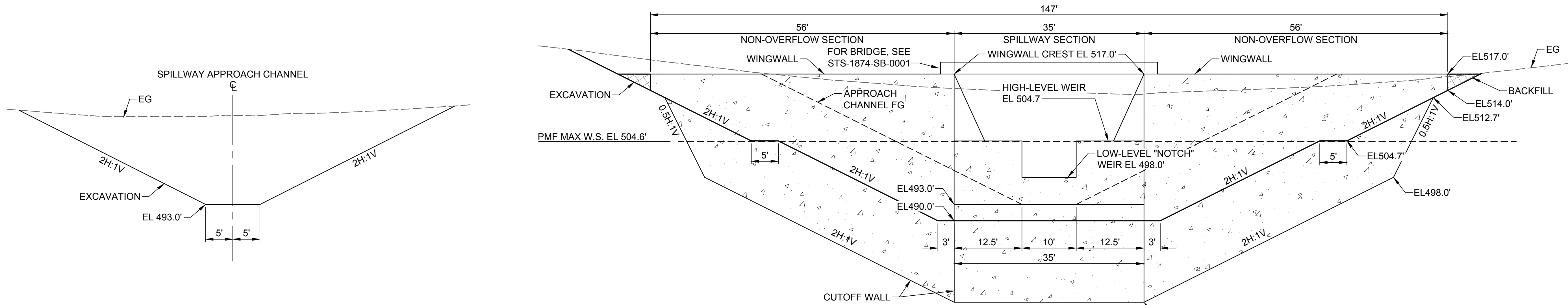


SITES RESERVOIR
 SITES RESERVOIR SPILLWAY
 CIVIL
 TYPICAL SECTIONS

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL
 DRAWING. ADJUST SCALES FOR
 REDUCED PLOTS
 0 5 10'
 DRAWING NO.
 STS-1395-C-3101
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

G
F
E
D
C
B
A



C1 SECTION - APPROACH CHANNEL (UNLINED)

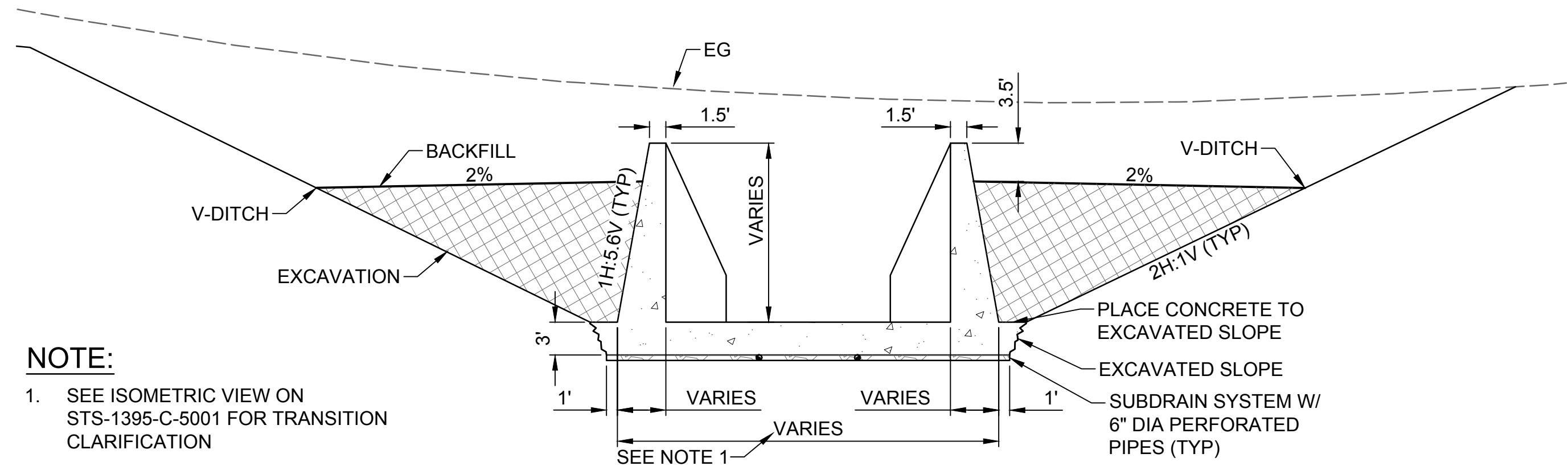
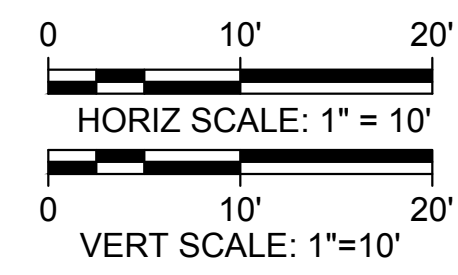
SCALE: 1" = 10'

STS-1395-C-2002

E1 SECTION - CREST FACE

SCALE: 1" = 10'

STS-1395-C-2002



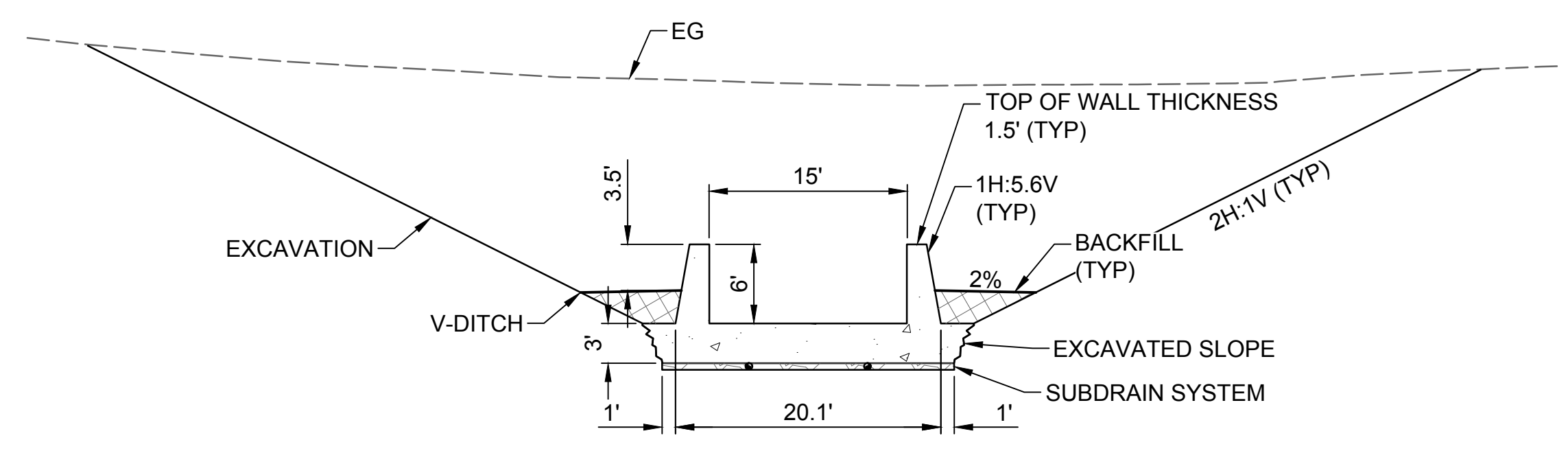
NOTE:

- SEE ISOMETRIC VIEW ON STS-1395-C-5001 FOR TRANSITION CLARIFICATION

C5 SECTION - CHUTE TRANSITION

SCALE: 1" = 10'

STS-1395-C-2002



A1 TYPICAL SECTION - CHUTE

SCALE: 1" = 10'

STS-1395-C-2002

GENERAL NOTES

LOAD AND RESISTANCE FACTOR DESIGN

DESIGN:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2017 EDITION WITH CALIFORNIA AMENDMENTS, PREFACE DATED DECEMBER 2023.

CALTRANS STANDARD PLANS, 2023 EDITION WITH REVISED STANDARD PLANS, DATED OCTOBER 2023. CALTRANS STRUCTURAL TECHNICAL POLICIES AS OF NOVEMBER 2023.

DEAD LOAD:
DEAD LOAD IS CALCULATED BASED ON A REINFORCED CONCRETE UNIT WEIGHT OF 150 POUNDS PER CUBIC FOOT.

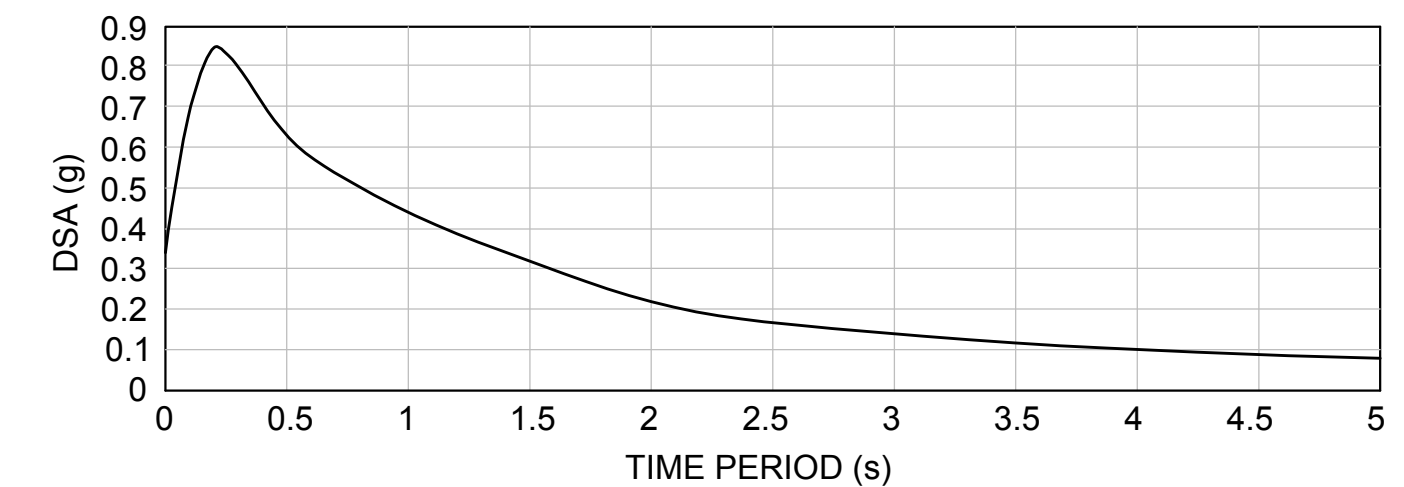
LIVE LOAD:
HL93 AND PERMIT DESIGN LOAD.

SEISMIC LOADING:
SOIL PROFILE: Vs30 = 450 m/sec
MOMENT MAGNITUDE: Mmax = 6.88
PEAK GROUND ACCELERATION: 0.34 g

BRIDGE REACTIONS AT EACH SUPPORT	+DOWNWARD LOAD -UPWARD LOAD
	P (LBS)
DEAD LOAD	129,000
ADDED DEAD LOAD	14,000
LIVE LOAD (DESIGN)**	81,600
LIVE LOAD (PERMIT)**	106,920

**DYNAMIC LOAD ALLOWANCE NOT INCLUDED; MULTIPLE PRESENCE FACTORS INCLUDED

ARS CURVE



REINFORCED CONCRETE:
fy = 60 ksi
fc = 4 ksi

Plot Date: 3/22/2024 4:01 PM Saved By: CRAIG DOONOVAN File: C:\pwworking\hdr_sites_reservoir\dms02790\STS-1395-C-3102.dwg

DESIGNED BY:	I. ZARCHI
DRAWN BY:	K. PALMISANO
CHECKED BY:	B. ALDRIDGE
IN CHARGE:	M. SMITH
DATE:	03/15/24



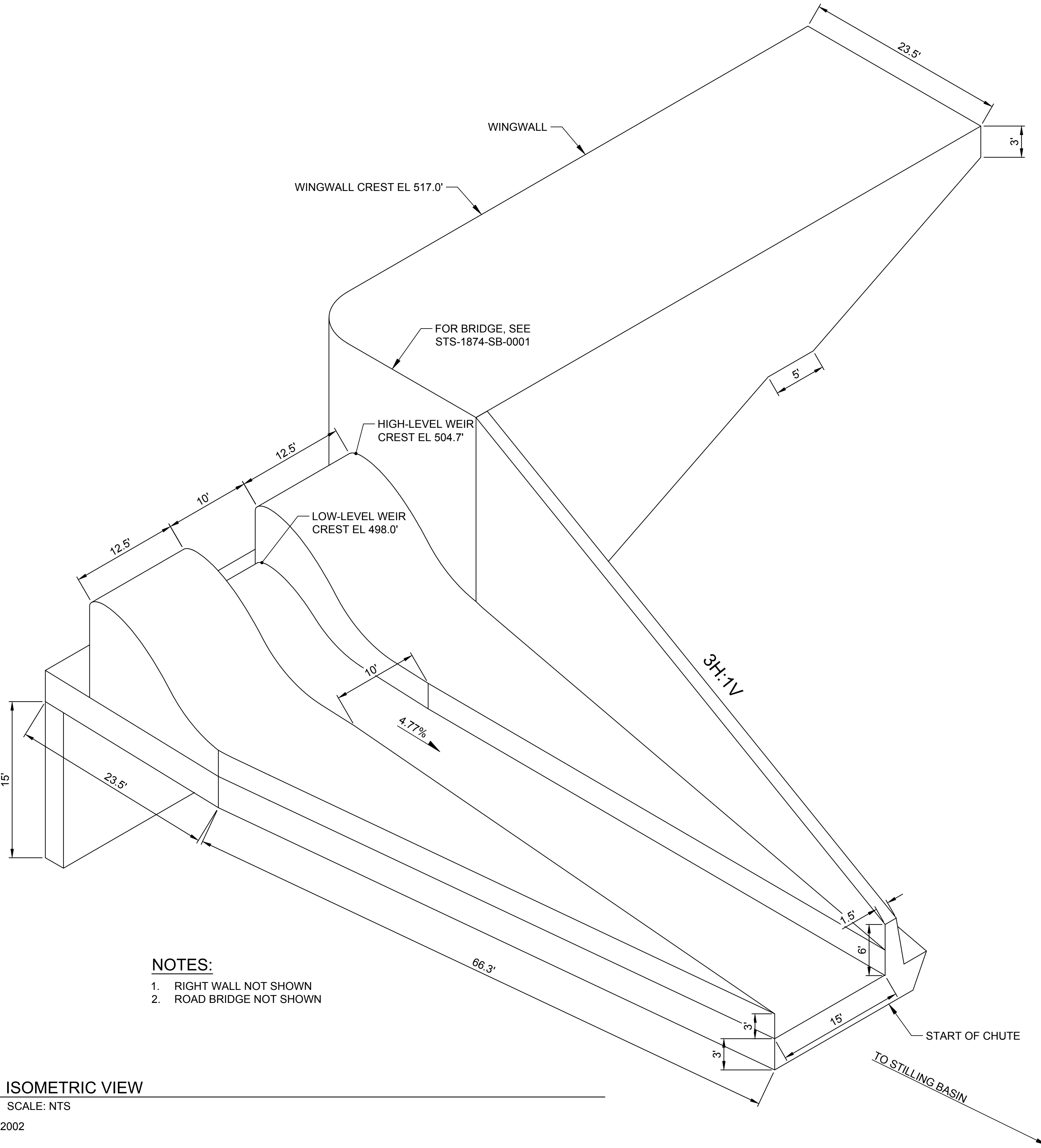
REGISTERED PROFESSIONAL ENGINEER
M. SMITH
C 42978
CALIFORNIA



SITES RESERVOIR
SITES RESERVOIR SPILLWAY
CIVIL
SECTIONS

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
DRAWING NO.
STS-1395-C-3102
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



- NOTES:**
1. RIGHT WALL NOT SHOWN
 2. ROAD BRIDGE NOT SHOWN

C1 ISOMETRIC VIEW

SCALE: NTS

STS-1395-C-2002

File: C:\pwworking\hdr_sites_reservoir\dms02790\STS-1395-C-5001.dwg
Plot Date: 3/22/2024 3:29 PM
Saved By: CRAIG DONOVAN

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	I. ZARCHI
DRAWN BY:	K. PALMISANO
CHECKED BY:	B. ALDRIDGE
IN CHARGE:	M. SMITH
DATE:	03/15/24



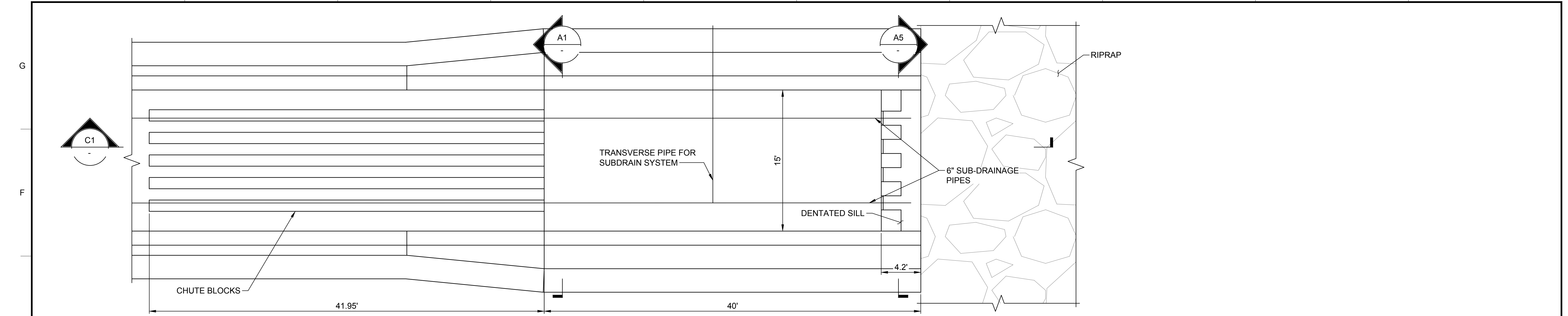
REGISTERED
PROFESSIONAL
ENGINEER
M. SMITH
C 42978
CALIFORNIA



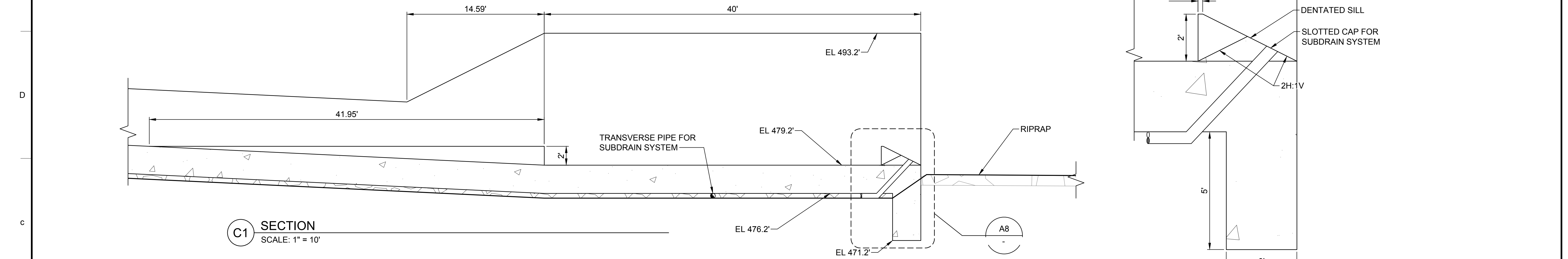
SITES RESERVOIR
SITES RESERVOIR SPILLWAY
CIVIL
ISOMETRIC VIEW

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
0 1"
DRAWING NO. STS-1395-C-5001 SHT OF

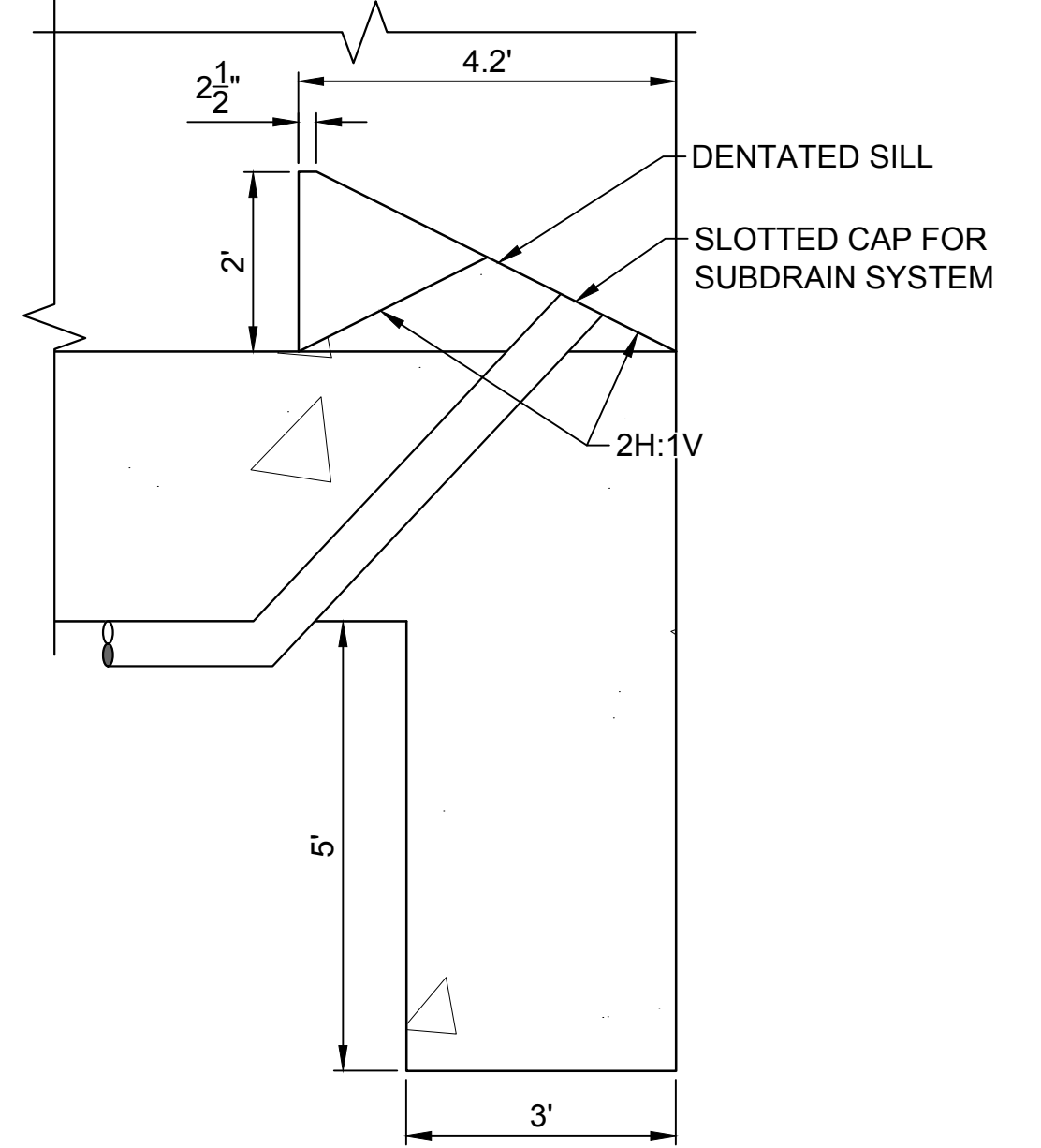
30% SUBMITTAL - NOT FOR CONSTRUCTION



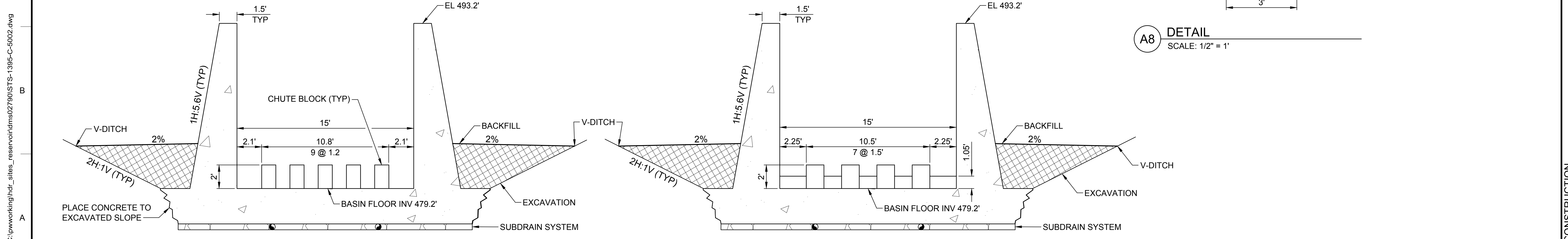
PLAN DETAIL
HORIZ SCALE: 1" = 10'



C1 SECTION
SCALE: 1" = 10'



A8 DETAIL
SCALE: 1/2" = 1'



A1 SECTION - FACING UPSTREAM
SCALE: 1/4" = 1'

A5 SECTION - FACING DOWNSTREAM
SCALE: 1/4" = 1'

File: C:\pwworking\hdr_sites_reservoir\dms02790\STS-1395-C-5002.dwg
 Plot Date: 3/22/2024 4:03 PM
 Saved By: CRAIG DONOVAN

DESIGNED BY:	I. ZARCHI
DRAWN BY:	K. PALMISANO
CHECKED BY:	B. ALDRIDGE
IN CHARGE:	M. SMITH
DATE:	03/15/24



REGISTERED PROFESSIONAL ENGINEER
M. SMITH
C 42978
CALIFORNIA



SITES RESERVOIR
SITES RESERVOIR SPILLWAY
CIVIL
STILLING BASIN
PLAN AND DETAILS

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO.	STS-1395-C-5002
SHT	OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

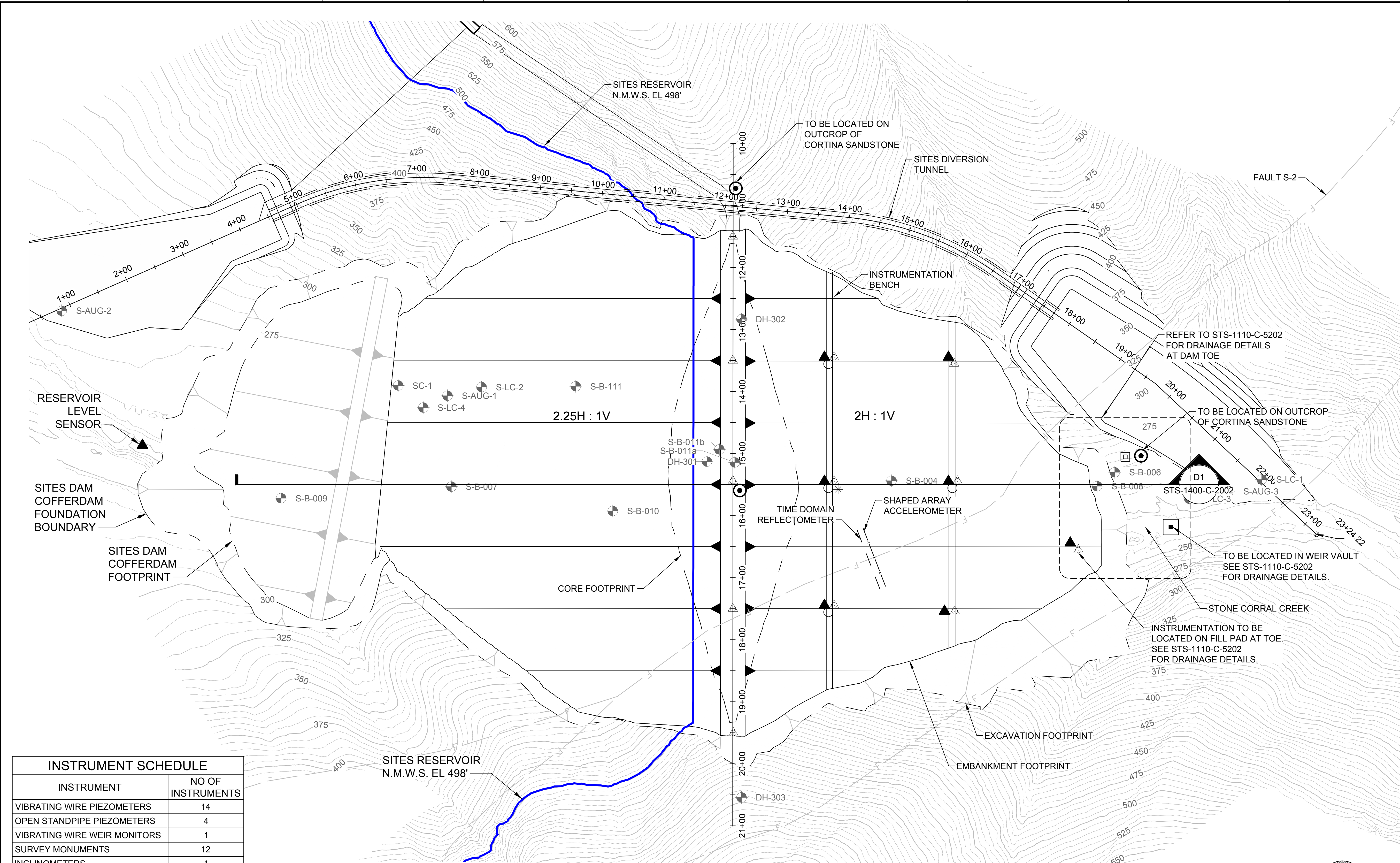
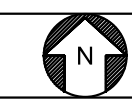
GENERAL NOTES

1. INSTRUMENTATION ON THE DOWNSTREAM FACE OF THE EMBANKMENT TO BE LOCATED ON BENCHES. DESIGN OF BENCHES WILL BE INCLUDED IN FUTURE DESIGN SUBMITTALS.
2. INSTRUMENT SCHEDULE TO BE ADDED AT 60% DESIGN

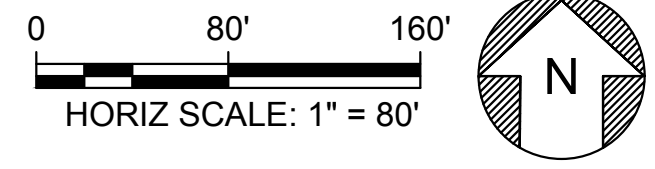
LEGEND

- * INCLINOMETER
- ▲ VIBRATING WIRE PIEZOMETER
- OPEN STANDPIPE
- △ SURVEY MONUMENT
- SEEPAGE WEIR
- ⊙ ACCELEROGRAPH (LOCATION ESTIMATED)
- ⊞ TERMINAL ENCLOSURE (LOCATION ESTIMATED)
- SHAPED ARRAY ACCELEROMETER
- TIME DOMAIN REFLECTOMETER

KEY MAP



PLAN
HORIZ SCALE: 1" = 80'



INSTRUMENT SCHEDULE	
INSTRUMENT	NO OF INSTRUMENTS
VIBRATING WIRE PIEZOMETERS	14
OPEN STANDPIPE PIEZOMETERS	4
VIBRATING WIRE WEIR MONITORS	1
SURVEY MONUMENTS	12
INCLINOMETERS	1
ACCELEROGRAPHS	3
SHAPED ARRAY ACCELEROMETER	1
TIME DOMAIN REFLECTOMETER	1
RESERVOIR LEVEL SENSOR	1

Plot Date: 3/21/2024 9:34 PM File: C:\pwworking\hdr_sites_reservoir\dms01432\STS-1400-C-2001.dwg
 Saved By: KRISTINE PALMISANO

DESIGNED BY:	S. HAUGAARD
DRAWN BY:	C. FALK
CHECKED BY:	B. ALDRIDGE
IN CHARGE:	M. SMITH
DATE:	03/15/24



REGISTERED PROFESSIONAL ENGINEER
M. SMITH
C 42978
CALIFORNIA

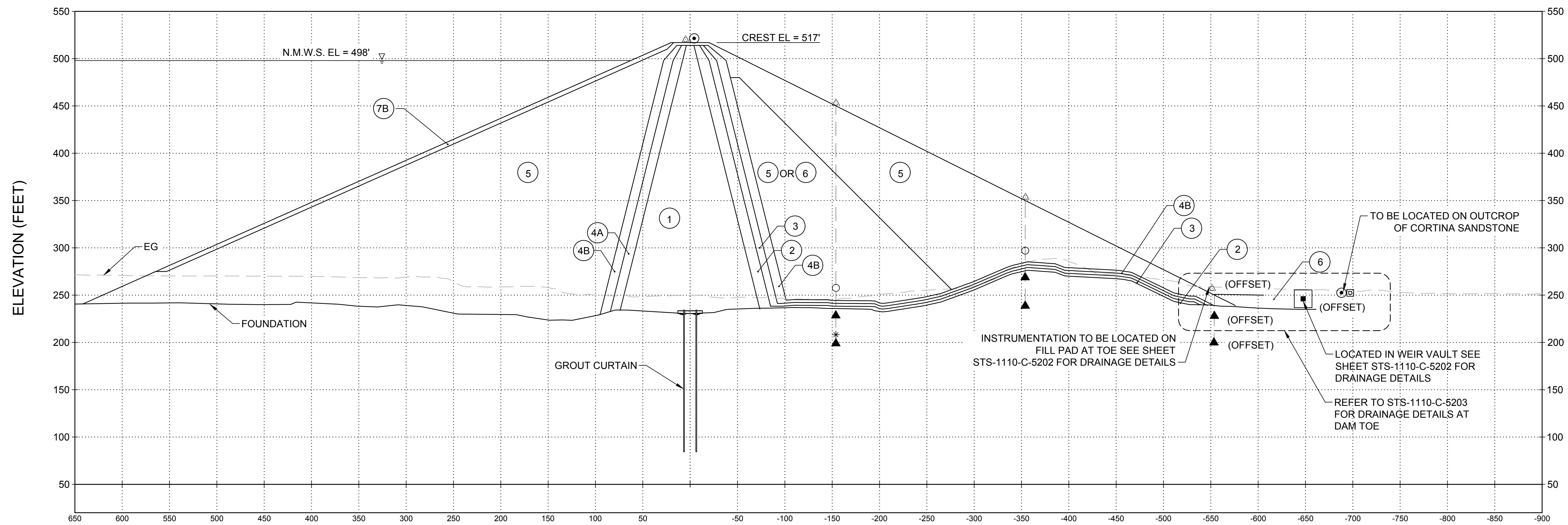


SITES RESERVOIR

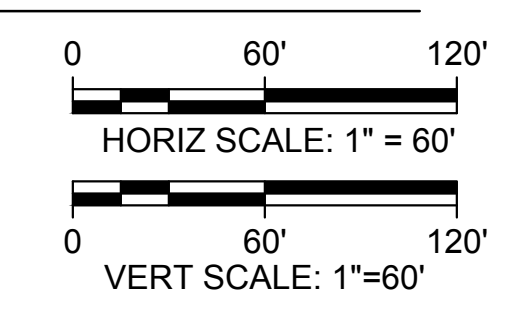
INSTRUMENTATION CIVIL SITES DAM PLAN

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
	0 80' 160'
DRAWING NO.	STS-1400-C-2001
SHT	OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



D1 SECTION - STA 15+50
 HORIZ: 1" = 60'
 VERT: 1" = 60'
 STS-1400-C-2001



GENERAL NOTES

1. INSTRUMENTATION ON THE DOWNSTREAM FACE OF THE EMBANKMENT TO BE LOCATED ON BENCHES. DESIGN OF BENCHES WILL BE INCLUDED IN FUTURE DESIGN SUBMITTALS.
2. FOR ZONE DESCRIPTION TABLE AND SIEVE SIZES SEE STS-0001-G-0027

LEGEND

- * INCLINOMETER
- ▲ VIBRATING WIRE PIEZOMETER
- OPEN STANDPIPE
- △ SURVEY MONUMENT
- SEEPAGE WEIR
- ⊙ ACCELEROGRAPH (LOCATION ESTIMATED)
- ⊞ TERMINAL ENCLOSURE (LOCATION ESTIMATED)

Plot Date: 4/1/2024 1:21 PM File: C:\pwworking\hdi_sites_reservoir\dms01432\STS-1400-C-2002.dwg Saved By: COLIN BLACKWOOD

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: S. HAUGAARD
 DRAWN BY: C. FALK
 CHECKED BY: B. ALDRIDGE
 IN CHARGE: M. SMITH
 DATE: 03/15/24



REGISTERED PROFESSIONAL ENGINEER
 M. SMITH
 C 42978
 CALIFORNIA



SITES RESERVOIR

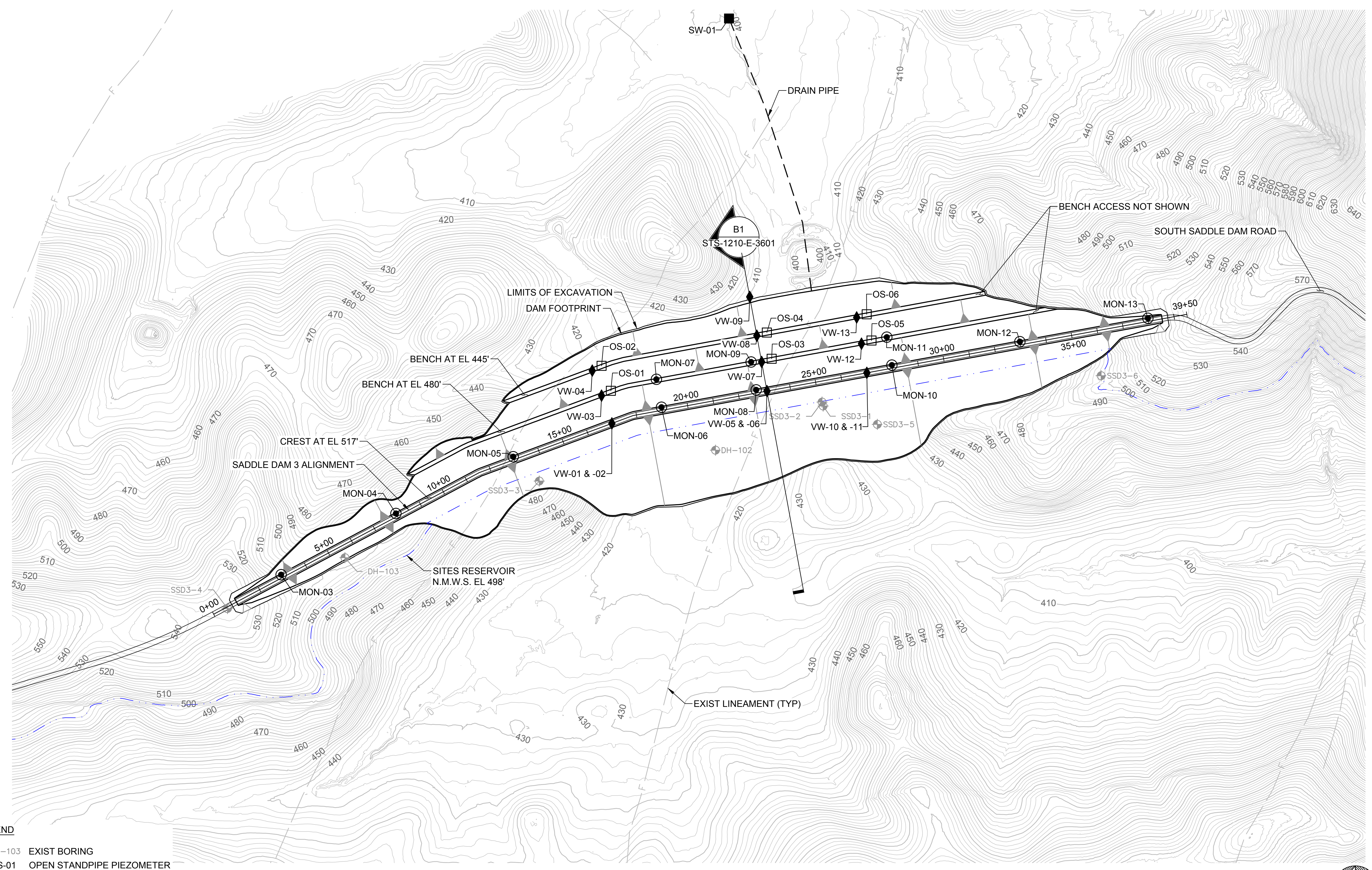
INSTRUMENTATION
 CIVIL
 SITES DAM
 SECTIONS

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.

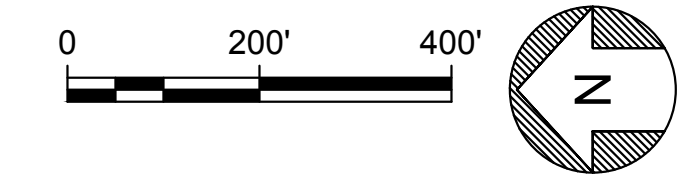
DRAWING NO. STS-1400-C-2002
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



- LEGEND**
- ⊕ DH-103 EXIST BORING
 - OS-01 OPEN STANDPIPE PIEZOMETER
 - ◆ VW-01 VIBRATING WIRE PIEZOMETER
 - SW-01 SEEPAGE WEIR
 - MON-01 SETTLEMENT MONUMENT

PLAN
SCALE: 1" = 200'



Plot Date: 3/22/2024 9:32 AM
 Saved By: EDUCER2384
 File: c:\pwworking\hdr_sites_reservoir\dmso1333\STS-1400-C-2020.dwg

DESIGNED BY:	E. CERNA ALVAREZ
DRAWN BY:	E. CERNA ALVAREZ
CHECKED BY:	A. PUJOL
IN CHARGE:	M. SMITH
DATE:	03/15/24

AECOM
 2020 L Street, Suite 400
 Sacramento, CA 95811
 TEL: 916.414.5800

GEI Consultants
 2868 Prospect Drive, Suite 400
 Rancho Cordova CA 95670

REGISTERED PROFESSIONAL ENGINEER
 A. PUJOL
 C 37051
 CALIFORNIA



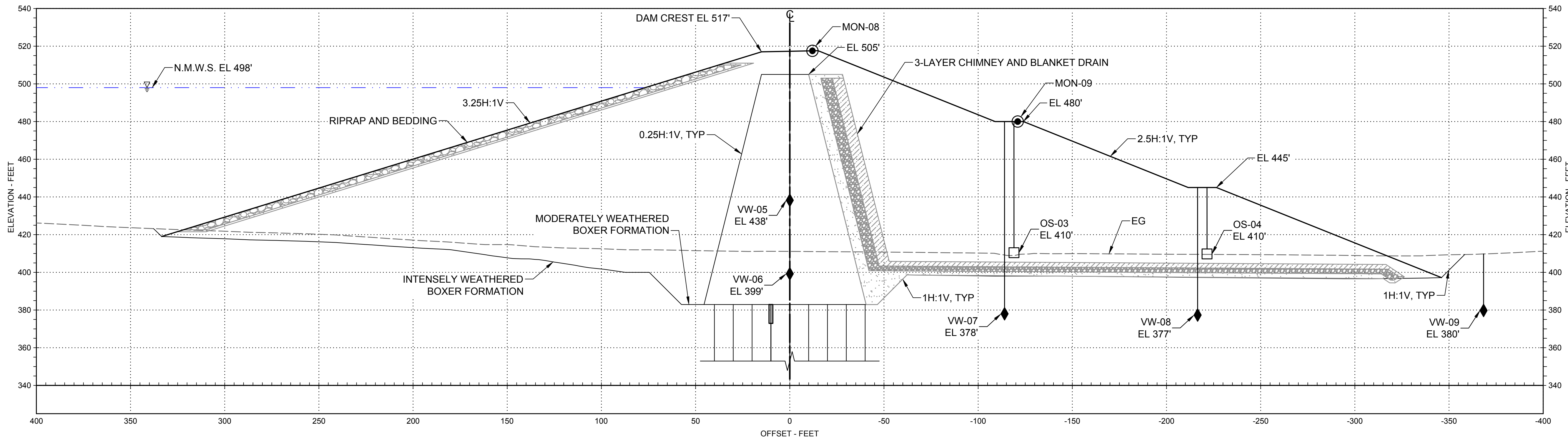
SITES RESERVOIR
SADDLE DAM 3
CIVIL INSTRUMENTATION PLAN

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

0 200' 400'

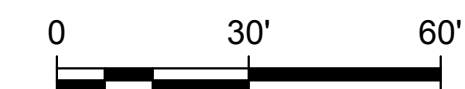
DRAWING NO.
 STS-1400-C-2020
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



B1 SECTION - 23+10
SCALE: 1" = 30'

STS-1210-E-2601



LEGEND

- OS-01 OPEN STANDPIPE PIEZOMETER
- ◆ VW-01 VIBRATING WIRE PIEZOMETER
- MON-01 SETTLEMENT MONUMENT

Plot Date: 3/22/2024 9:33 AM
 Saved By: EDUCER2384
 File: c:\pwworking\hdr_sites_reservoir\dms01333\STS-1400-C-2021.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	E. CERNA ALVAREZ
DRAWN BY:	E. CERNA ALVAREZ
CHECKED BY:	A. PUJOL
IN CHARGE:	M. SMITH
DATE:	03/15/24



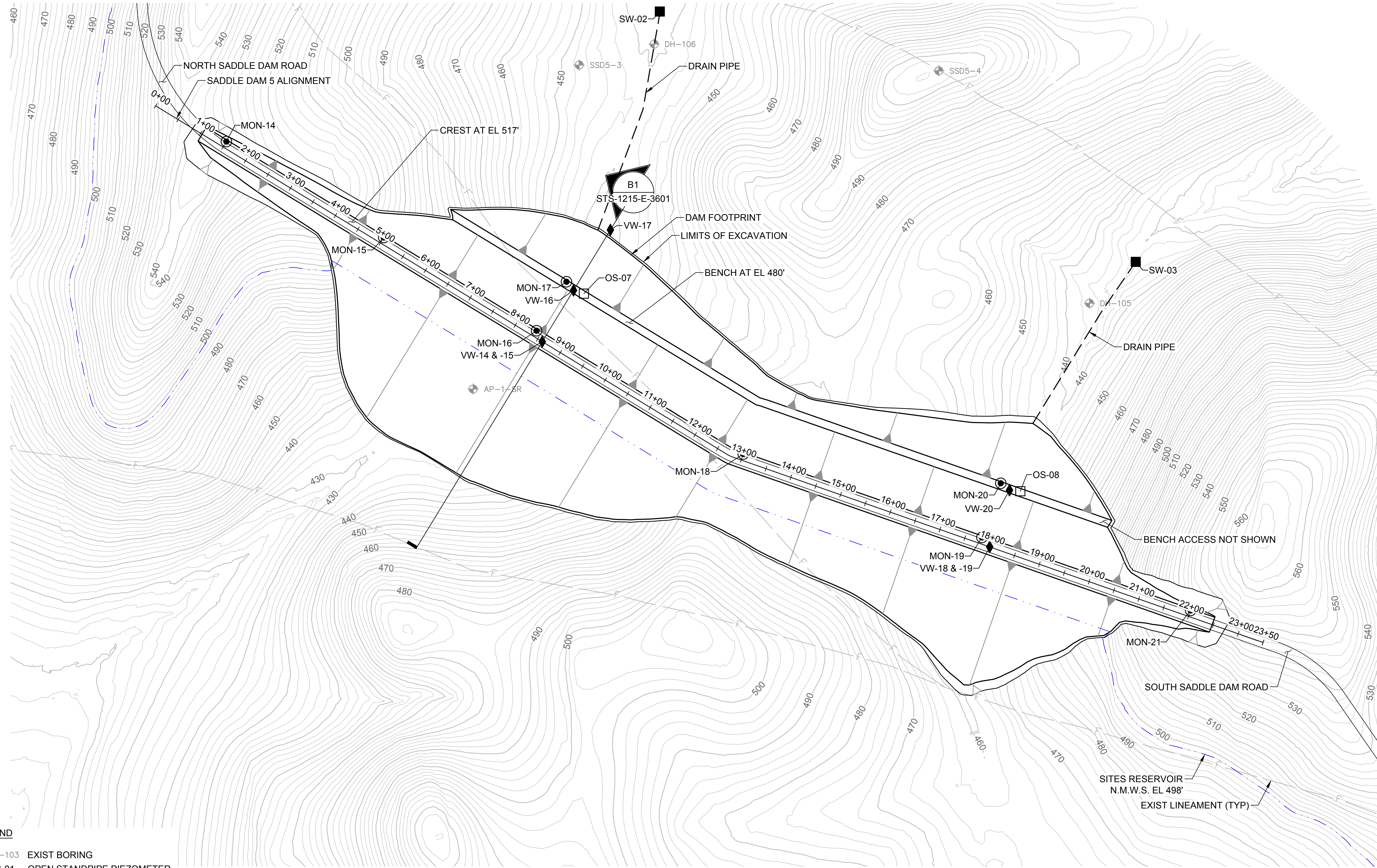
REGISTERED PROFESSIONAL ENGINEER
A. PUJOL
C 37051
CALIFORNIA



SITES RESERVOIR
SADDLE DAM 3
CIVIL
INSTRUMENTATION
SECTION

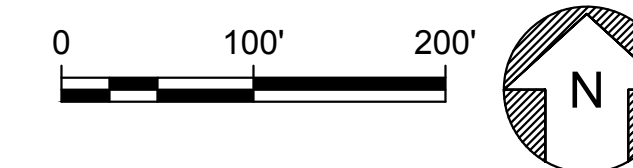
VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS
0 30 60 1"
DRAWING NO.
STS-1400-C-2021
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



- LEGEND**
- ⊕ DH-103 EXIST BORING
 - OS-01 OPEN STANDPIPE PIEZOMETER
 - ◆ VW-01 VIBRATING WIRE PIEZOMETER
 - SW-01 SEEPAGE WEIR
 - MON-01 SETTLEMENT MONUMENT

PLAN
SCALE: 1" = 100'



Plot Date: 3/22/2024 9:34 AM
 Saved By: IVACRU3507
 File: c:\pwworking\hdr_sites_reservoir\dmso1337\STS-1400-C-2025.dwg

DESIGNED BY:	E. CERNA ALVAREZ
DRAWN BY:	E. CERNA ALVAREZ
CHECKED BY:	A. PUJOL
IN CHARGE:	M. SMITH
DATE:	03/15/24



REGISTERED PROFESSIONAL ENGINEER
 A. PUJOL
 C 37051
 CALIFORNIA



SITES RESERVOIR
SADDLE DAM 5
CIVIL
INSTRUMENTATION
PLAN

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
 0 100 200 1"
 DRAWING NO. STS-1400-C-2025
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION