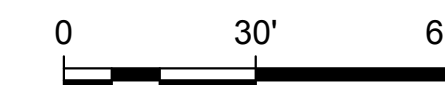


**B1** SECTION - 8+60  
SCALE: 1" = 30'

STS-1215-E-2601



**LEGEND**

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

File: c:\pwworking\hdr\_sites\_reservoir\dmso1337\STS-1400-C-2026.dwg  
 Plot Date: 3/22/2024 9:35 AM  
 Saved By: EDUCER2384

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



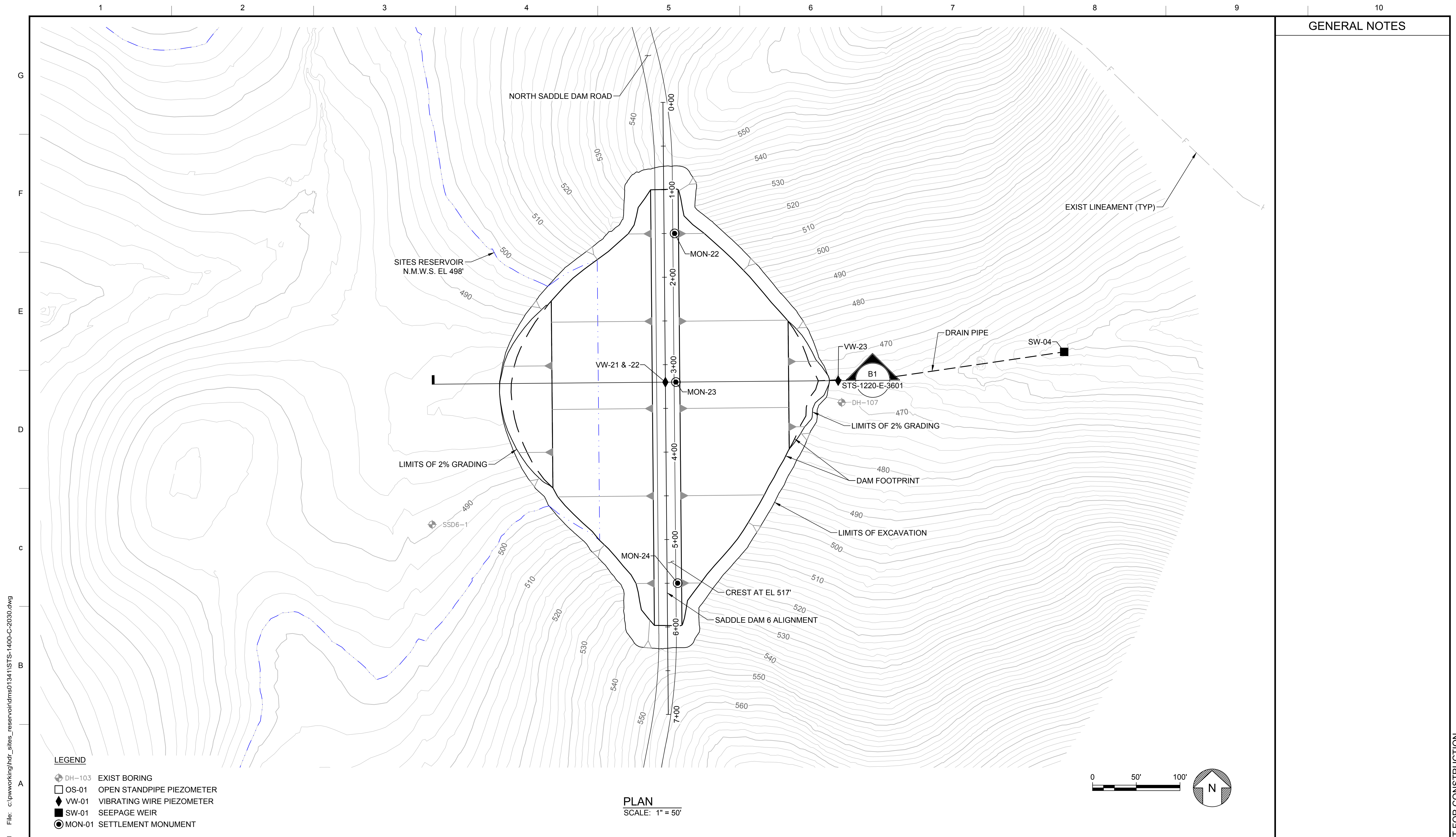
REGISTERED  
PROFESSIONAL  
ENGINEER  
A. PUJOL  
C 37051  
CALIFORNIA



**SITES RESERVOIR**  
**SADDLE DAM 5**  
**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-2026
SHT OF

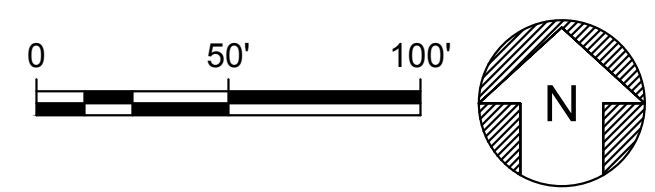
30% SUBMITTAL - NOT FOR CONSTRUCTION



GENERAL NOTES

- 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" = 50'



Plot Date: 3/22/2024 9:37 AM  
 Saved By: IVACRU3507  
 File: c:\pwworking\hdr\_sites\_reservoir\tdms01341\STS-1400-C-2030.dwg

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



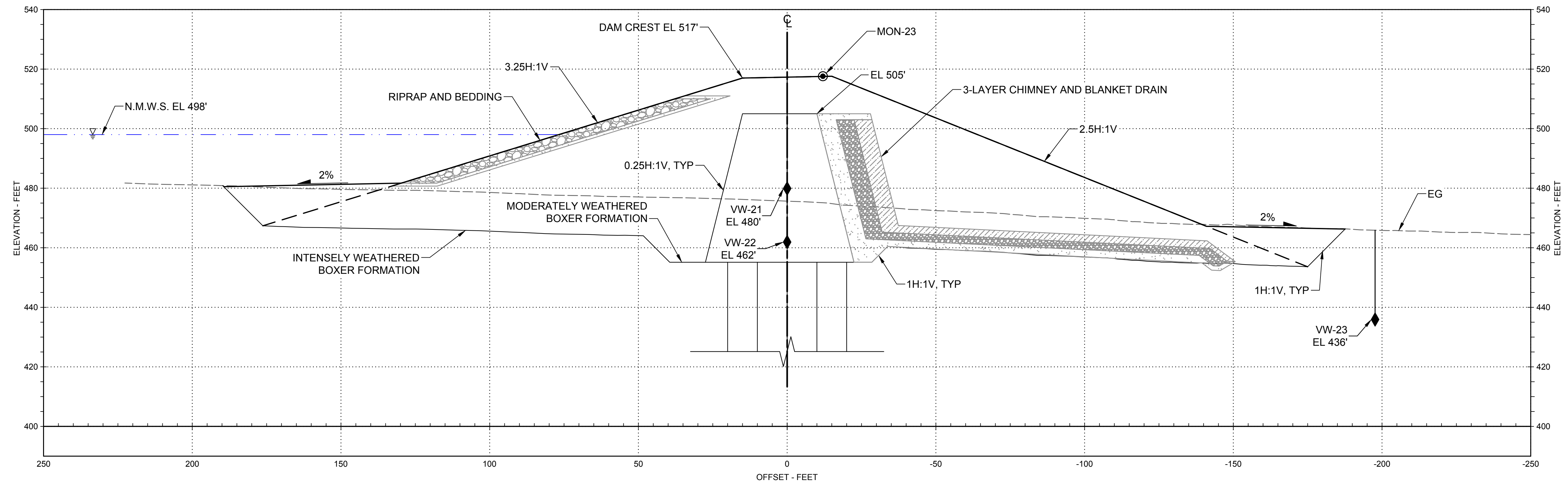
REGISTERED PROFESSIONAL ENGINEER  
A. PUJOL  
C 37051  
CALIFORNIA



SITES RESERVOIR  
SADDLE DAM 6  
CIVIL INSTRUMENTATION PLAN

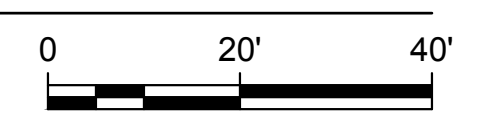
VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO.	STS-1400-C-2030
SHT	OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



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

STS-1220-E-2601



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

Plot Date: 3/22/2024 9:37 AM  
 Saved By: EDUCER2384  
 File: c:\pwworking\hdr\_sites\_reservoir\dms01341\STS-1400-C-2031.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



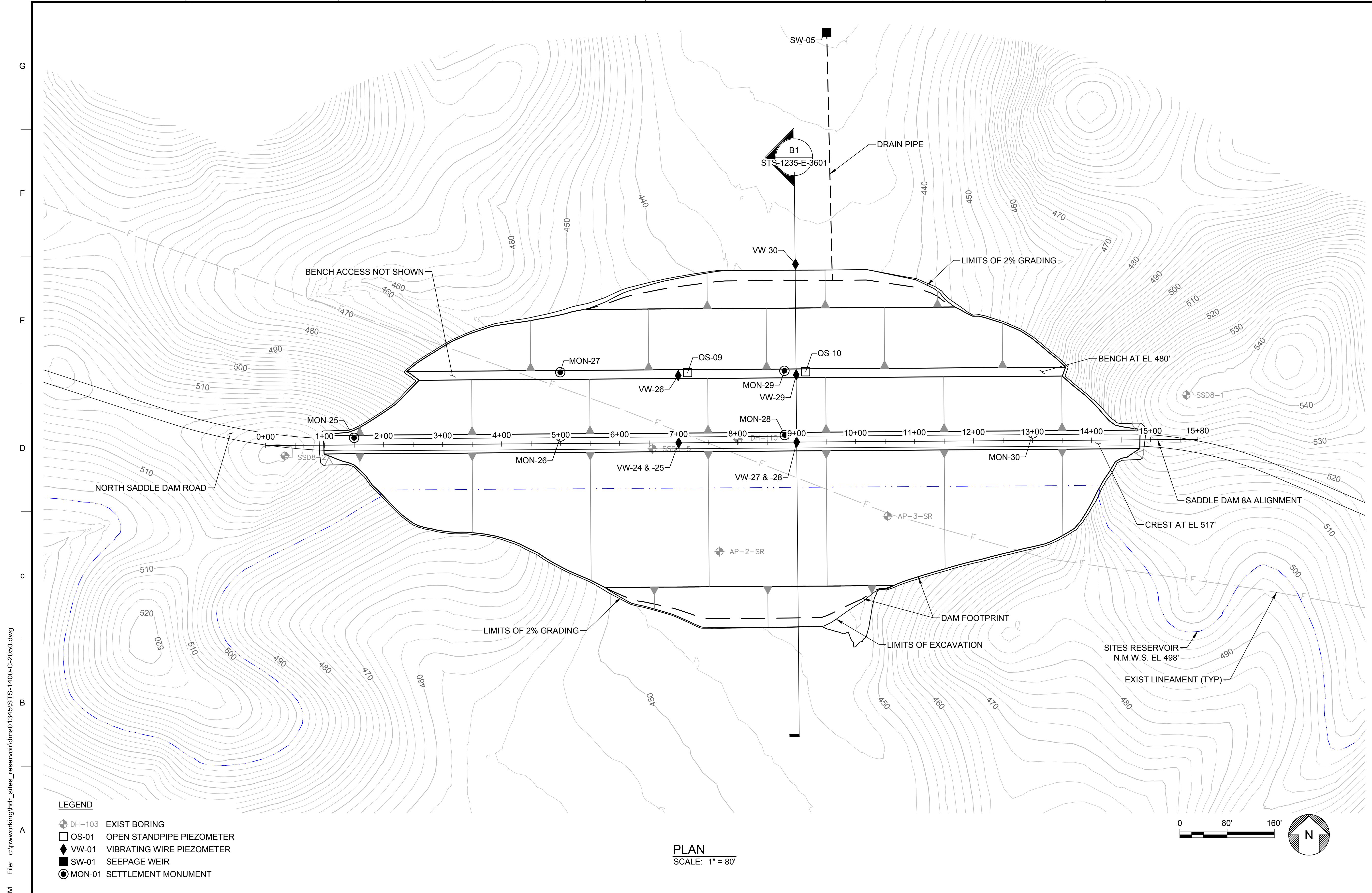
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



**SITES RESERVOIR**  
 SADDLE DAM 6  
 CIVIL  
 INSTRUMENTATION  
 SECTION

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWINGS. ADJUST SCALES FOR  
 REDUCED PLOTS  
 0 20 40  
 1"  
 DRAWING NO.  
 STS-1400-C-2031  
 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" = 80'

Plot Date: 3/22/2024 9:39 AM  
 Saved By: IVACRU3507  
 File: c:\pwworking\hdr\_sites\_reservoir\hdr\_sites\_reservoir\dms01345\STS-1400-C-2050.dwg

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



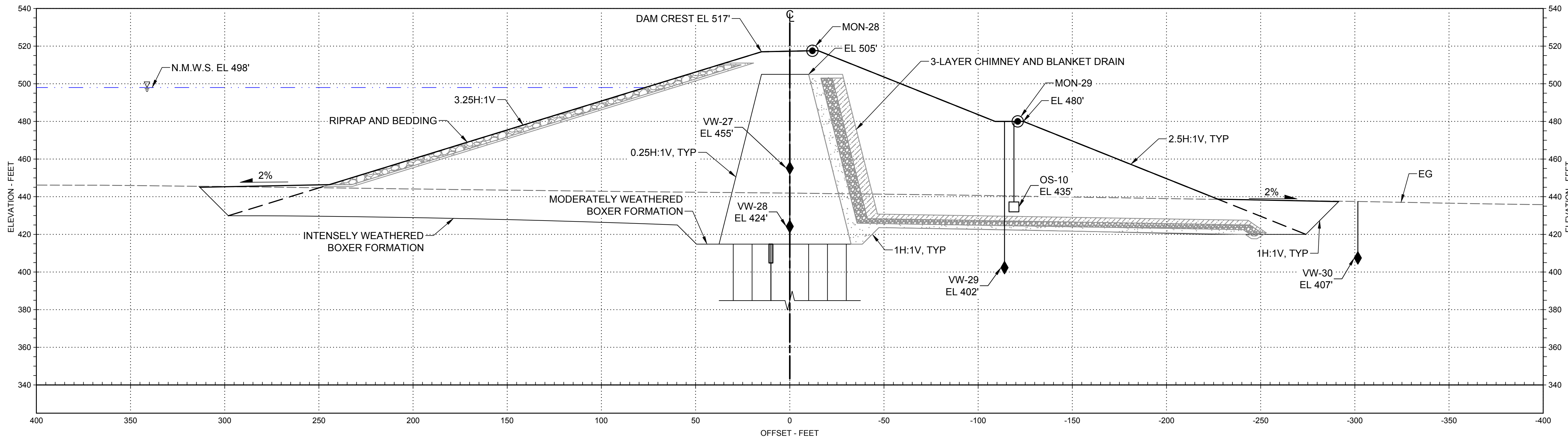
REGISTERED PROFESSIONAL ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



**SITES RESERVOIR**  
**SADDLE DAM 8A**  
**CIVIL**  
**INSTRUMENTATION**  
**PLAN**

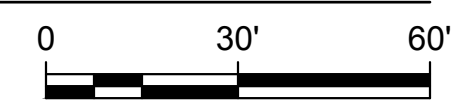
VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
0 80' 160' 1"
DRAWING NO.
STS-1400-C-2050
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



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

STS-1235-E-2601



**LEGEND**

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

Plot Date: 3/22/2024 9:39 AM Saved By: EDUCER2384 File: c:\pwworking\hdr\_sites\_reservoir\dms01345\STS-1400-C-2051.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



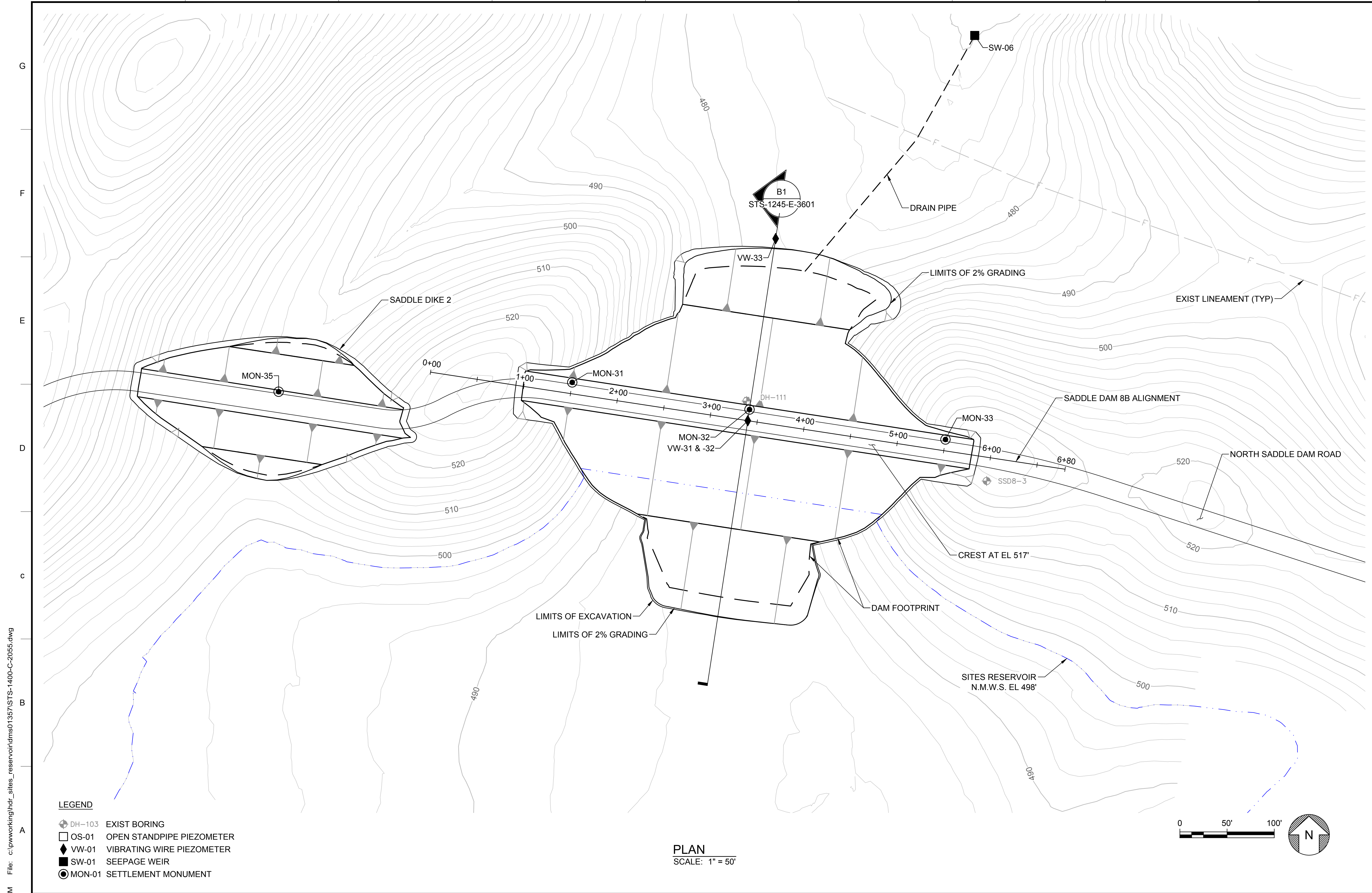
REGISTERED PROFESSIONAL ENGINEER  
A. PUJOL  
C 37051  
CALIFORNIA



**SITES RESERVOIR**  
SADDLE DAM 8A  
CIVIL INSTRUMENTATION SECTION

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS  
DRAWING NO. STS-1400-C-2051  
SHT OF

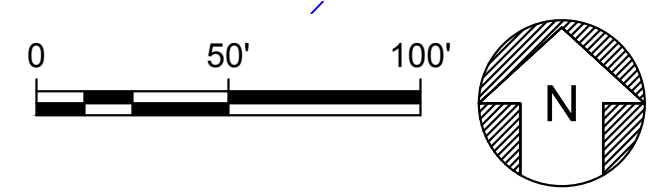
30% SUBMITTAL - NOT FOR CONSTRUCTION



**GENERAL NOTES**

- 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" = 50'



Plot Date: 3/22/2024 9:41 AM  
 Saved By: IVACRU3507  
 File: c:\pwworking\hdr\_sites\_reservoir\tdms01357\STS-1400-C-2055.dwg

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



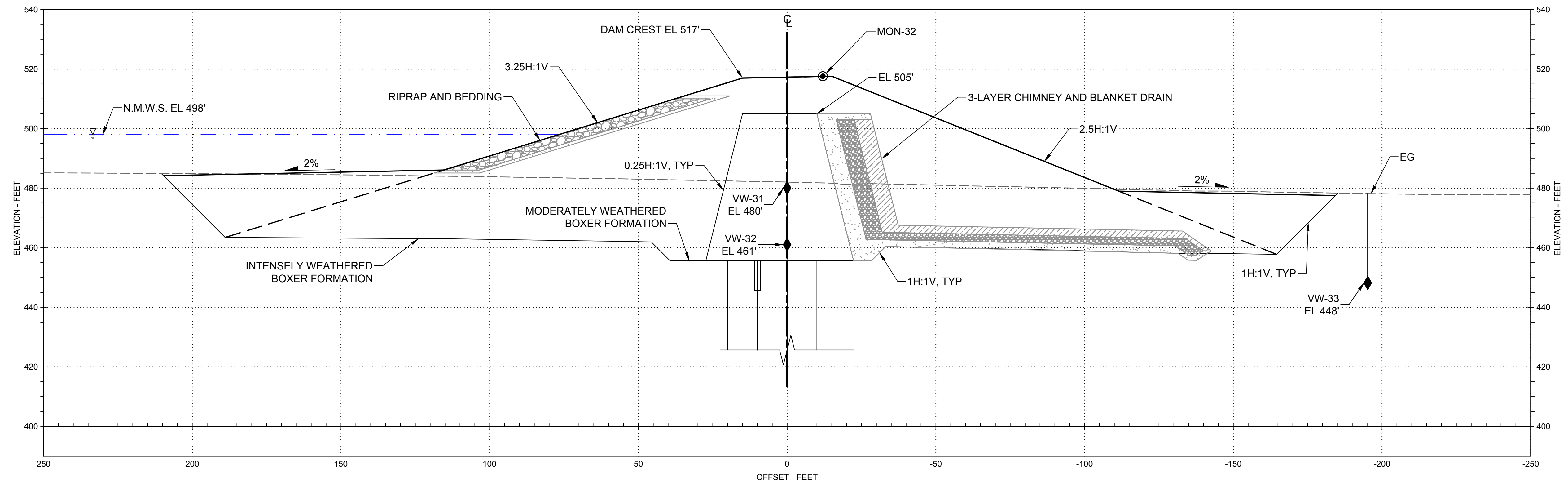
REGISTERED PROFESSIONAL ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



**SITES RESERVOIR**  
**SADDLE DAM 8B**  
**CIVIL**  
**INSTRUMENTATION**  
**PLAN**

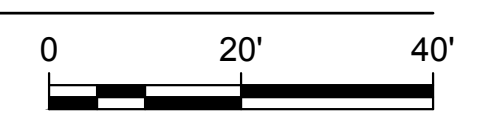
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BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS
0 50' 100' 1"
DRAWING NO.
STS-1400-C-2055
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



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

STS-1245-E-2601



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

Plot Date: 3/22/2024 9:41 AM Saved By: EDUCER2384 File: c:\pwworking\hdr\_sites\_reservoir\tdms01357\STS-1400-C-2056.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 INSTRUMENTATION SECTION

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

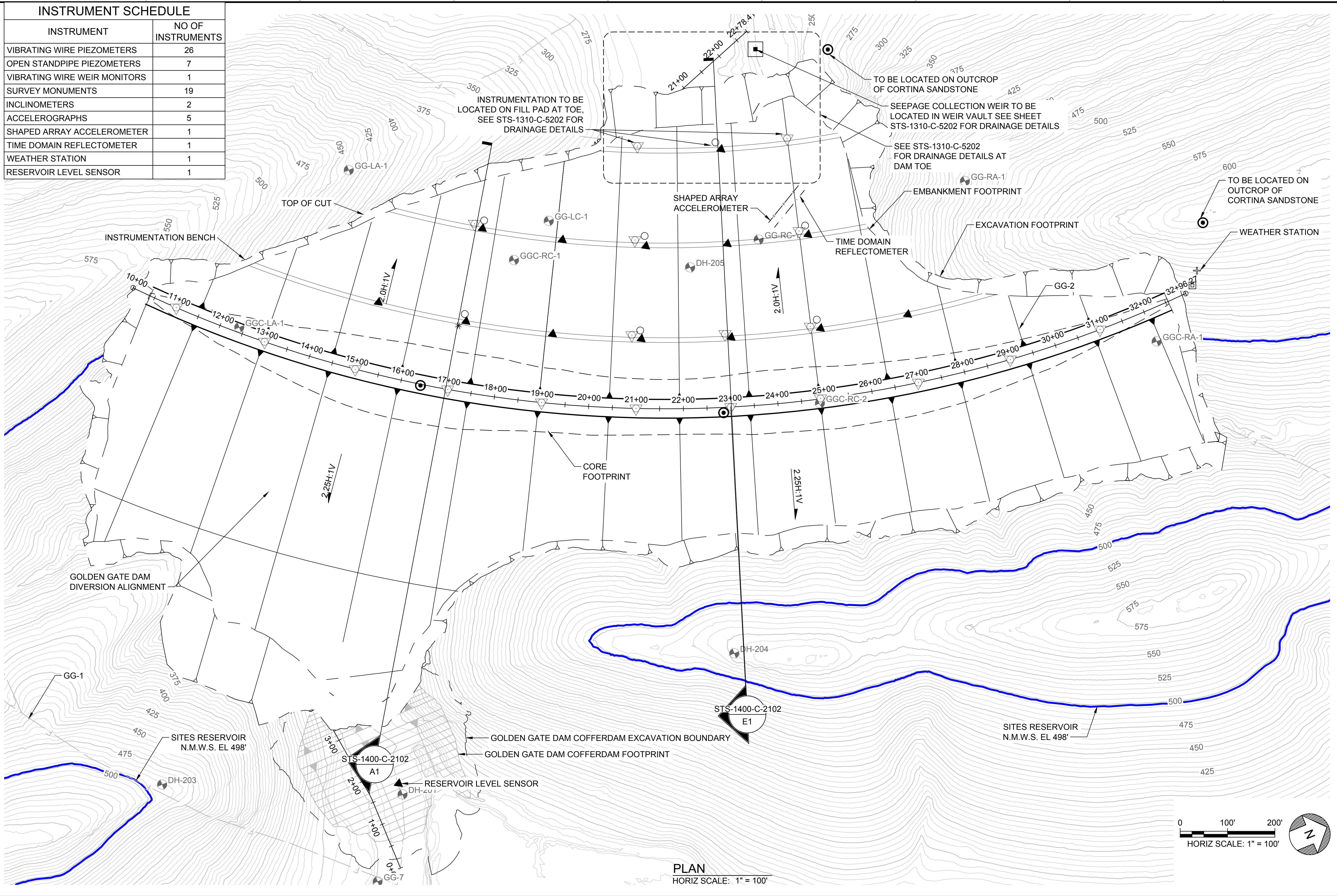
DRAWING NO.  
STS-1400-C-2056  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

INSTRUMENT SCHEDULE	
INSTRUMENT	NO OF INSTRUMENTS
VIBRATING WIRE PIEZOMETERS	26
OPEN STANDPIPE PIEZOMETERS	7
VIBRATING WIRE WEIR MONITORS	1
SURVEY MONUMENTS	19
INCLINOMETERS	2
ACCELEROGRAPHS	5
SHAPED ARRAY ACCELEROMETER	1
TIME DOMAIN REFLECTOMETER	1
WEATHER STATION	1
RESERVOIR LEVEL SENSOR	1

**GENERAL NOTES**

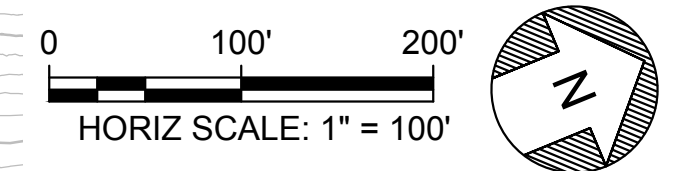
- INSTRUMENTATION ON THE DOWNSTREAM FACE OF THE EMBANKMENT TO BE LOCATED ON BENCHES. DESIGN OF BENCHES WILL BE INCLUDED IN FUTURE DESIGN SUBMITTALS.
- INSTRUMENTATION SCHEDULE TO BE ADDED AT 60% DESIGN



**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" = 100'

Plot Date: 3/21/2024 8:43 PM  
 Saved By: LECLUSER  
 File: C:\pwworking\hdr\_sites\_reservoir\dmso1432\STS-1400-C-2101.dwg

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



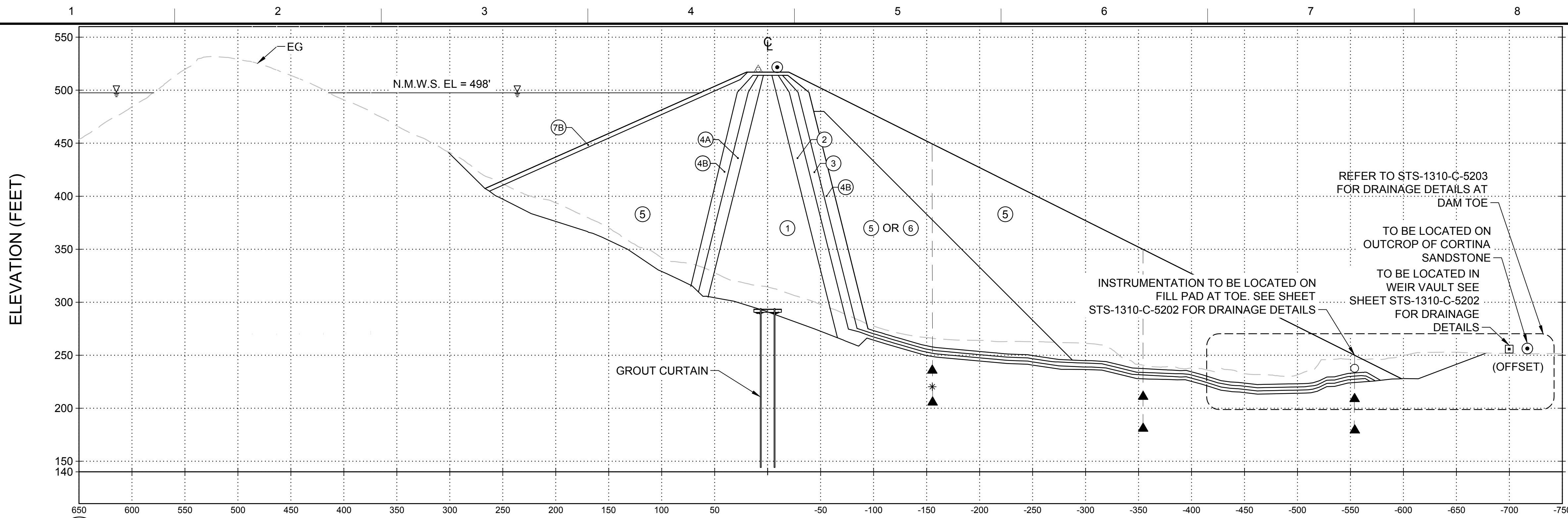
**SITES RESERVOIR**  
**INSTRUMENTATION**  
**CIVIL**  
**GOLDEN GATE DAM**  
**PLAN**

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO.	STS-1400-C-2101
SHT	OF

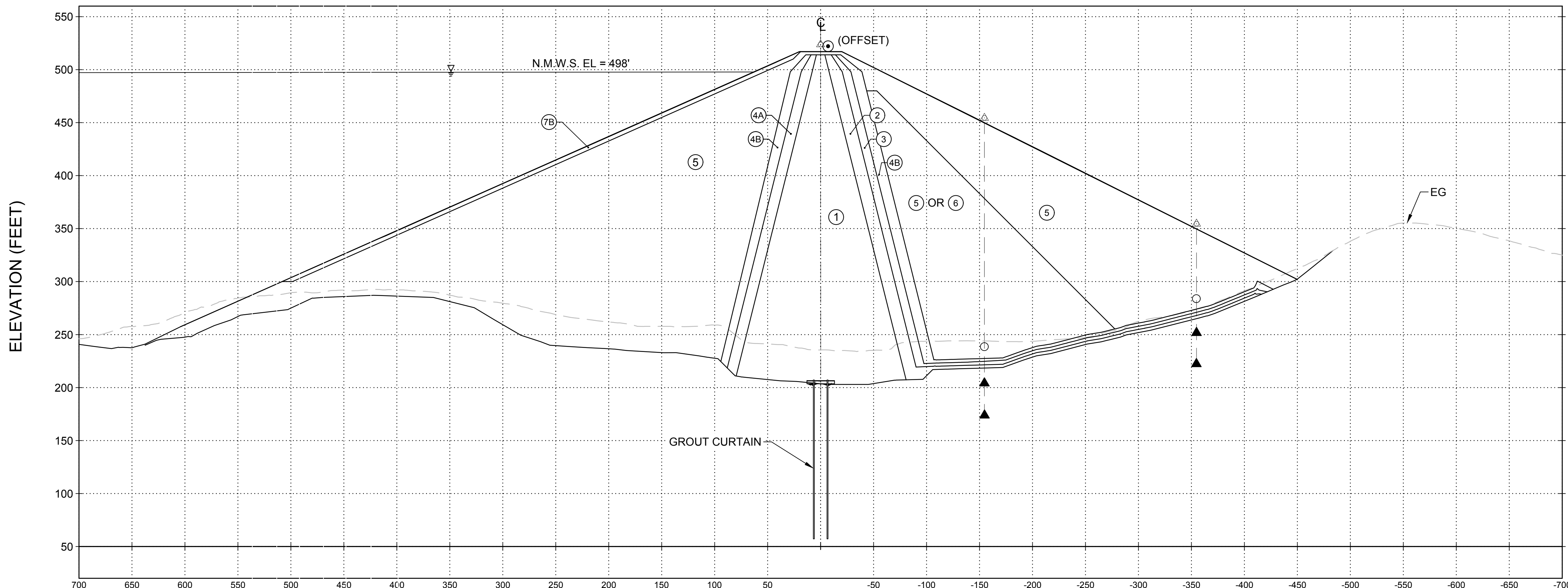
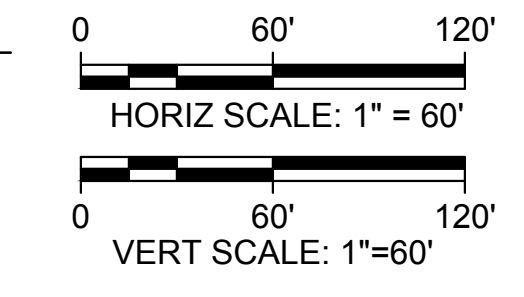
30% SUBMITTAL - NOT FOR CONSTRUCTION



Plot Date: 4/1/2024 1:34 PM  
 Saved By: COLIN BLACKWOOD  
 File: C:\pwworking\hdr\_sites\_reservoir\dm\01432\STS-1400-C-2102.dwg



**E1** GOLDEN GATE DAM SECTION - STA 23+00  
 HORIZ: 1" = 60'  
 VERT: 1" = 60'  
 STS-1400-C-2101



**A1** GOLDEN GATE DAM SECTION - STA 17+00  
 HORIZ: 1" = 60'  
 VERT: 1" = 60'  
 STS-1400-C-2101

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

- LEGEND**
- \* INCLINOMETER
  - ▲ VIBRATING WIRE PIEZOMETER
  - OPEN STANDPIPE
  - △ SURVEY MONUMENT
  - ⊙ ACCELEROGRAPH (LOCATION ESTIMATED)
  - SEEPAGE COLLECTION WEIR

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



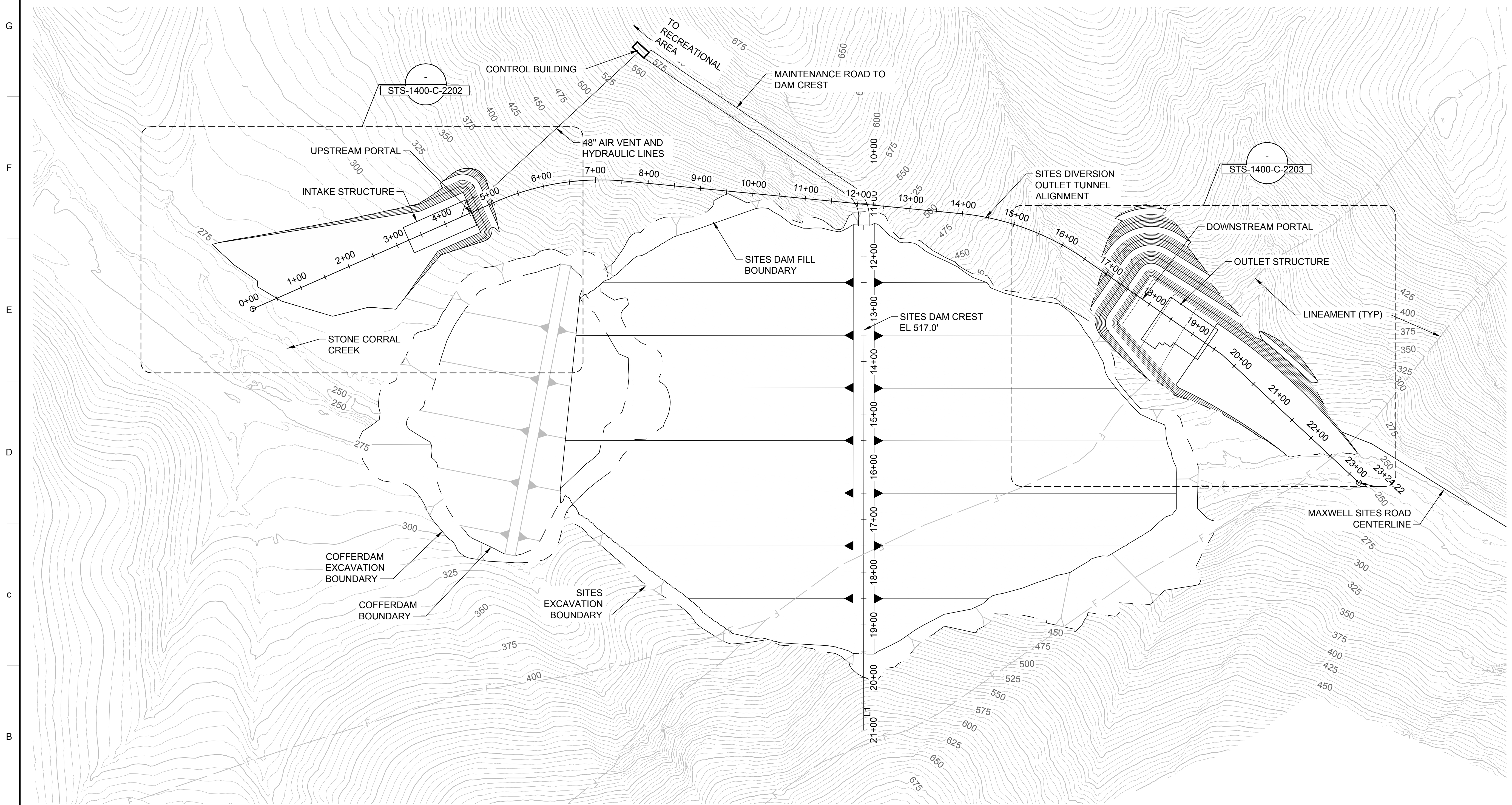
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA



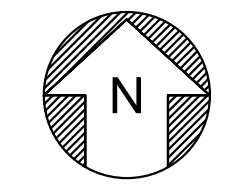
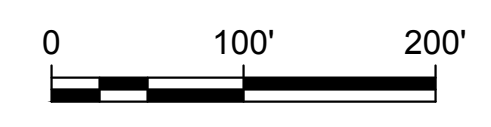
**SITES RESERVOIR**  
 INSTRUMENTATION  
 CIVIL  
 GOLDEN GATE DAM  
 SECTIONS

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
 0 1"  
 DRAWING NO.  
 STS-1400-C-2102  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN  
SCALE: 1" = 100'



KEY MAP

Plot Date: 3/21/2024 9:36 PM  
 Saved By: LINDSAY REID  
 File: C:\pwworking\hdr\_sites\_reservoir\dms01432\STS-1400-C-2201.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
 S. HAUGAARD  
 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  
 INSTRUMENTATION  
 CIVIL  
 SITES DIVERSION  
 GENERAL ARRANGEMENT

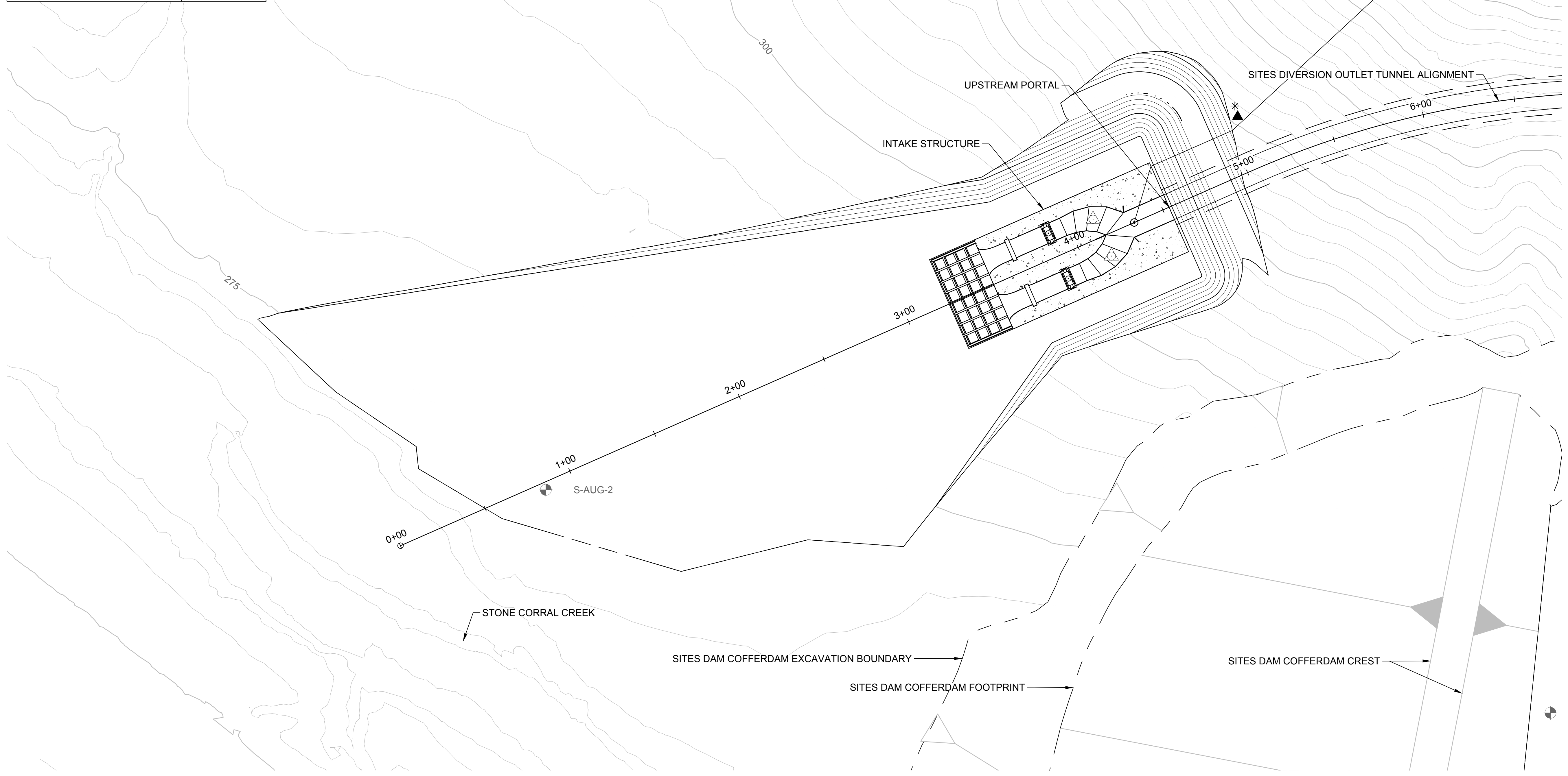
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 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

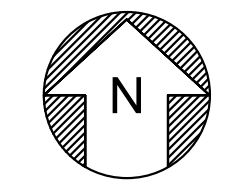
INSTRUMENT SCHEDULE	
INSTRUMENT	NO. OF INSTRUMENTS
VIBRATING WIRE PIEZOMETERS	1
SURVEY MONUMENTS	2
INCLINOMETERS	1

**GENERAL NOTES**

1. INSTRUMENTATION SCHEDULE TO BE UPDATED WITH INSTRUMENT NAMES AND LOCATIONS AT 60% DESIGN



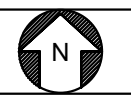
PLAN  
SCALE: 1" = 30'



**LEGEND**

- \* INCLINOMETER
- ▲ VIBRATING WIRE PIEZOMETER
- △ SURVEY MONUMENT

**KEY MAP**



File: C:\pwworking\hdf\_sites\_reservoir\dms01432\STS-1400-C-2202.dwg  
 Plot Date: 3/21/2024 6:57 PM  
 Saved By: LINDSAY REID

REV	DATE	BY	CHK.	APPR.	DESCRIPTION

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



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

REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA



**SITES RESERVOIR**

INSTRUMENTATION  
 CIVIL  
 SITES DIVERSION INTAKE  
 PLAN

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
 0 30 60 1"  
 DRAWING NO.  
 STS-1400-C-2202  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

INSTRUMENT SCHEDULE	
INSTRUMENT	NO. OF INSTRUMENTS
VIBRATING WIRE PIEZOMETERS	1
SURVEY MONUMENTS	12
INCLINOMETERS	1
SEEPAGE COLLECTION WEIR	1

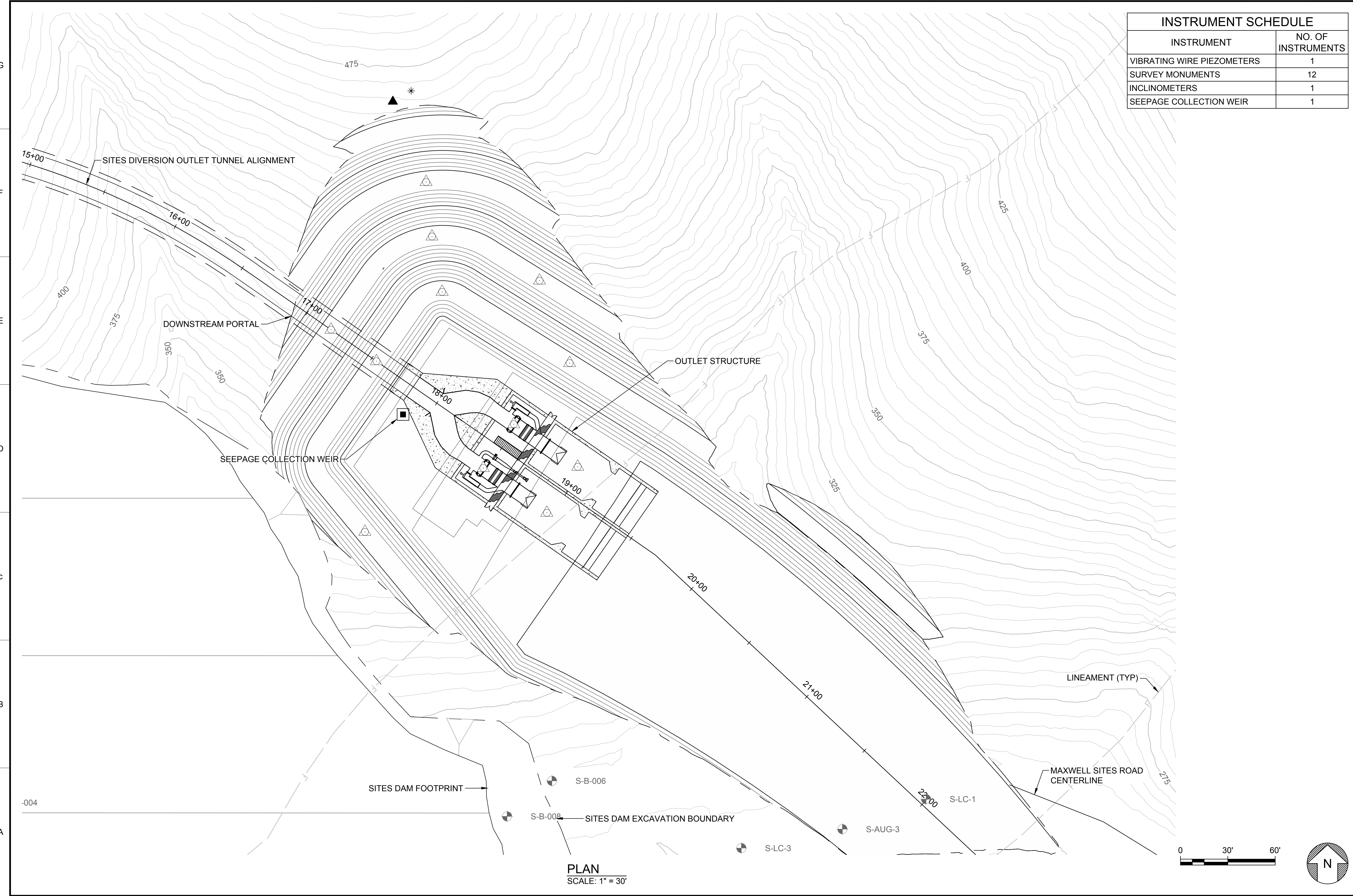
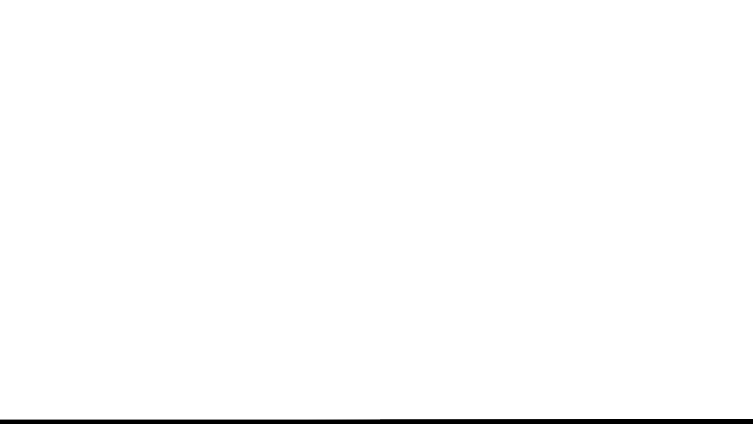
**GENERAL NOTES**

1. INSTRUMENTATION SCHEDULE TO BE UPDATED WITH INSTRUMENT NAMES AND LOCATIONS AT 60% DESIGN.

**LEGEND**

	INCLINOMETER
	OPEN STANDPIPE
	SURVEY MONUMENT
	SEEPAGE COLLECTION WEIR

**KEY MAP**



**PLAN**  
SCALE: 1" = 30'

Plot Date: 3/21/2024 6:42 PM File: C:\pwworking\hdr\_sites\_reservoir\dms01432\STS-1400-C-2203.dwg Saved By: COLIN BLACKWOOD

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
S. HAUGAARD

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**  
**INSTRUMENTATION**  
**CIVIL**  
**SITES DIVERSION OUTLET**  
**PLAN**

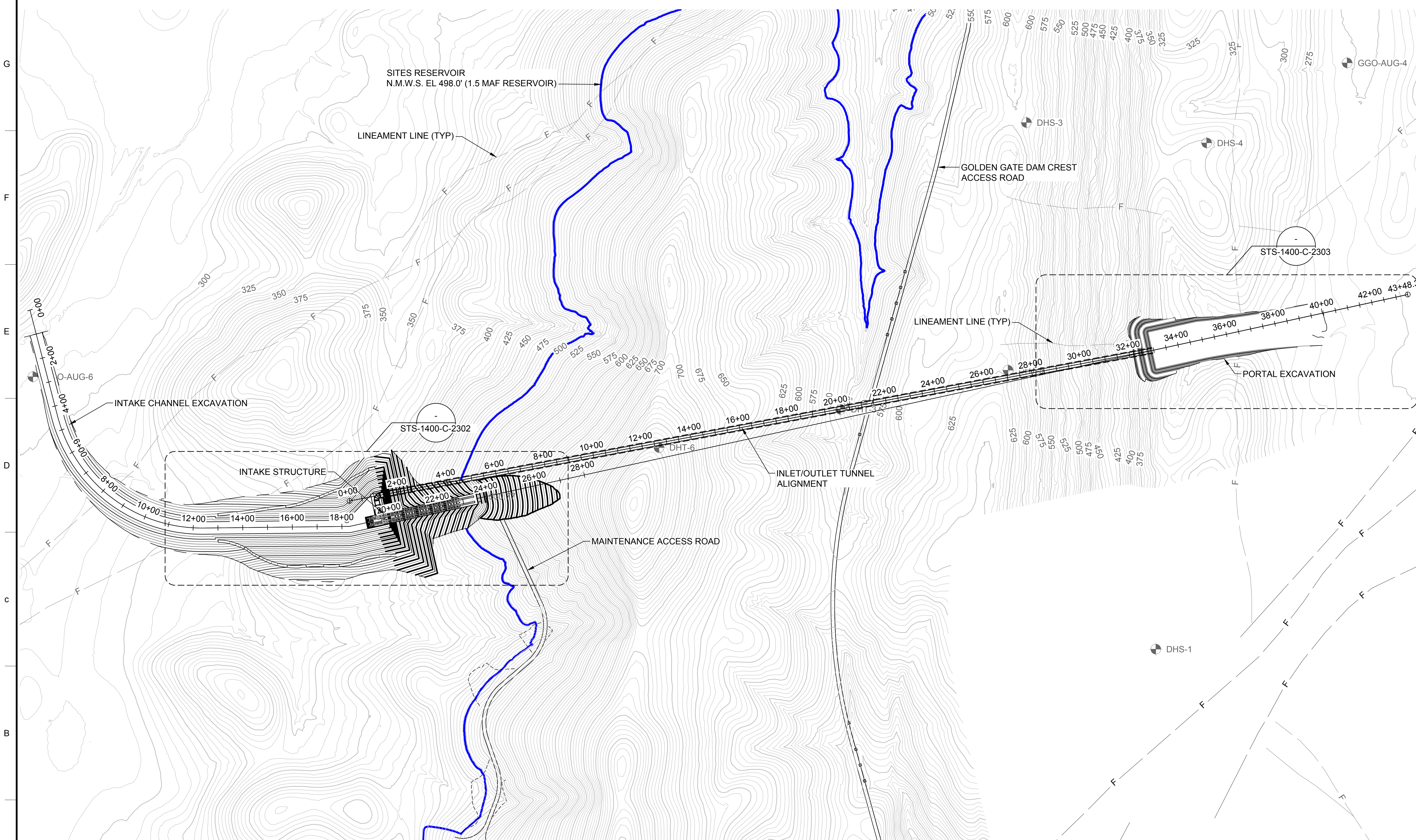
VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL  
DRAWING. ADJUST SCALES FOR  
REDUCED PLOTS

0 1" 1"

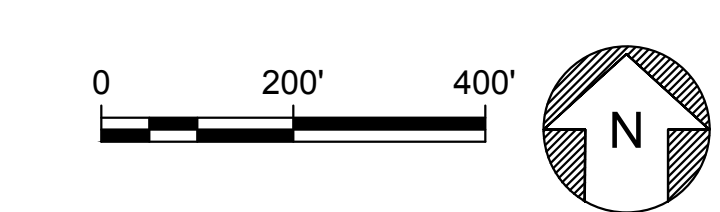
DRAWING NO.  
STS-1400-C-2203  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES



PLAN VIEW  
HORIZ SCALE: 1" = 200'



KEY MAP

Plot Date: 3/21/2024 6:30 PM  
 Saved By: LINDSAY REID  
 File: C:\pwworking\hdr\_sites\_reservoir\dmso1432\STS-1400-C-2301.dwg

DESIGNED BY:	S. HAUGAARD
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**  
INSTRUMENTATION  
CIVIL  
INLET/OUTLET FACILITIES  
GENERAL ARRANGEMENT

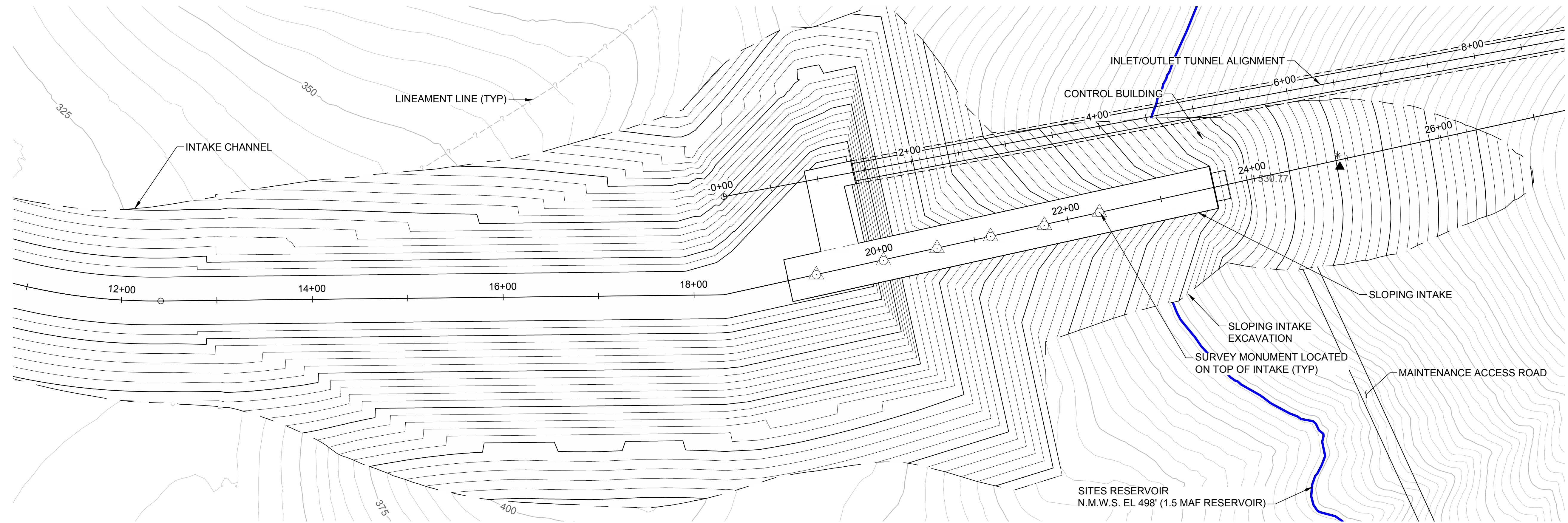
VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL  
DRAWING. ADJUST SCALES FOR  
REDUCED PLOTS  
0 200 400 1"  
DRAWING NO.  
STS-1400-C-2301  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

INSTRUMENT SCHEDULE	
INSTRUMENT	NO. OF INSTRUMENTS
VIBRATING WIRE PIEZOMETERS	1
SURVEY MONUMENTS	6
INCLINOMETERS	1

**GENERAL NOTES**

1. INSTRUMENTATION SCHEDULE TO BE UPDATED WITH INSTRUMENT NAMES AND LOCATIONS AT 60% DESIGN.

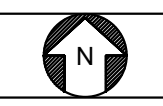


**PLAN**  
SCALE: 1" = 60'

**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**



Plot Date: 3/22/2024 3:38 PM File: C:\pwworking\hdr\_sites\_reservoir\dms01432\STS-1400-C-2302.dwg Saved By: KRISTINE PALMISANO

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: S. HAUGAARD  
 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**  
 INSTRUMENTATION CIVIL  
 INLET/OUTLET FACILITIES  
 INTAKE CHANNEL AND STRUCTURE PLAN

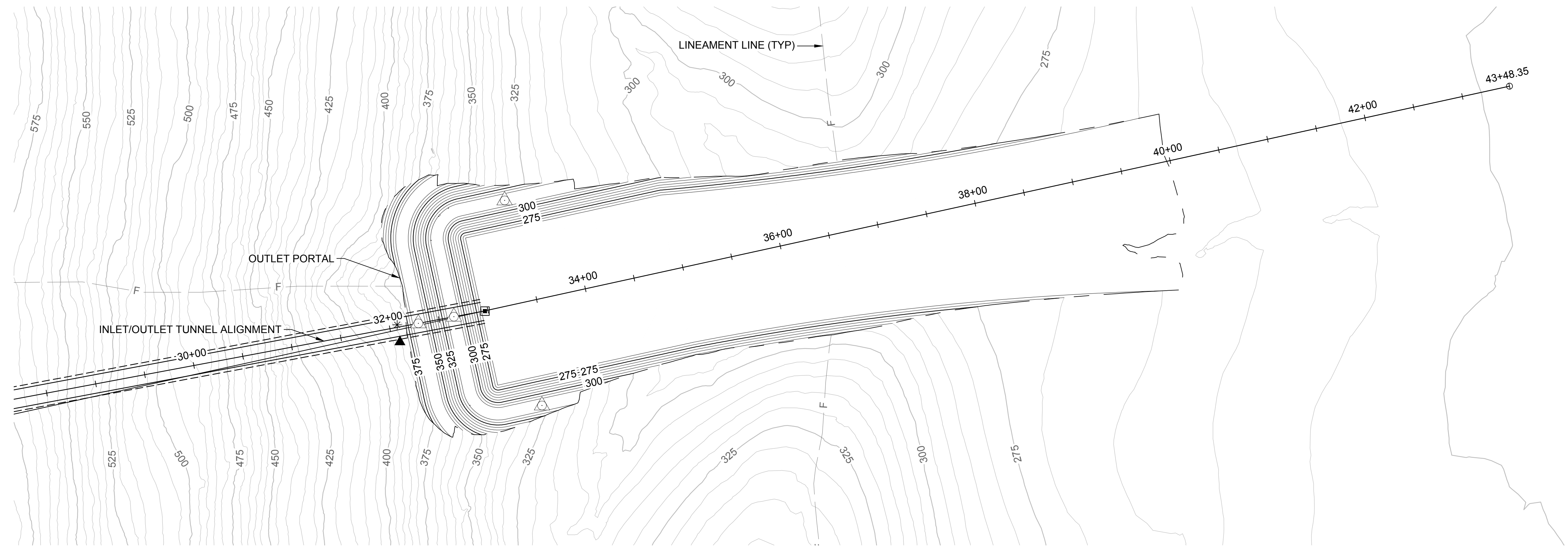
**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
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 DRAWING NO. STS-1400-C-2302  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

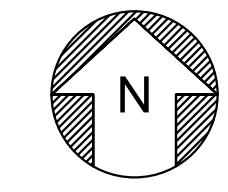
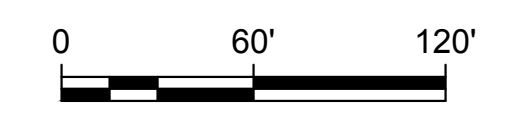
INSTRUMENT SCHEDULE	
INSTRUMENT	NO. OF INSTRUMENTS
VIBRATING WIRE PIEZOMETERS	1
SURVEY MONUMENTS	4
INCLINOMETERS	1
SEEPAGE COLLECTION WEIR	1

**GENERAL NOTES**

1. INSTRUMENTATION SCHEDULE TO BE UPDATED WITH INSTRUMENT NAMES AND LOCATIONS AT 60% DESIGN.



**PLAN**  
SCALE: 1" = 60'



- LEGEND**
- \* INCLINOMETER
  - ▲ VIBRATING WIRE PIEZOMETER
  - ⊙ SURVEY MONUMENT
  - TERMINAL ENCLOSURE (LOCATION ESTIMATED)

**KEY MAP**

Plot Date: 3/21/2024 4:17 PM  
 Saved By: LINDSAY REID  
 File: C:\pwworking\hdr\_sites\_reservoir\dmso1432\STS-1400-C-2303.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: S. HAUGAARD  
 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



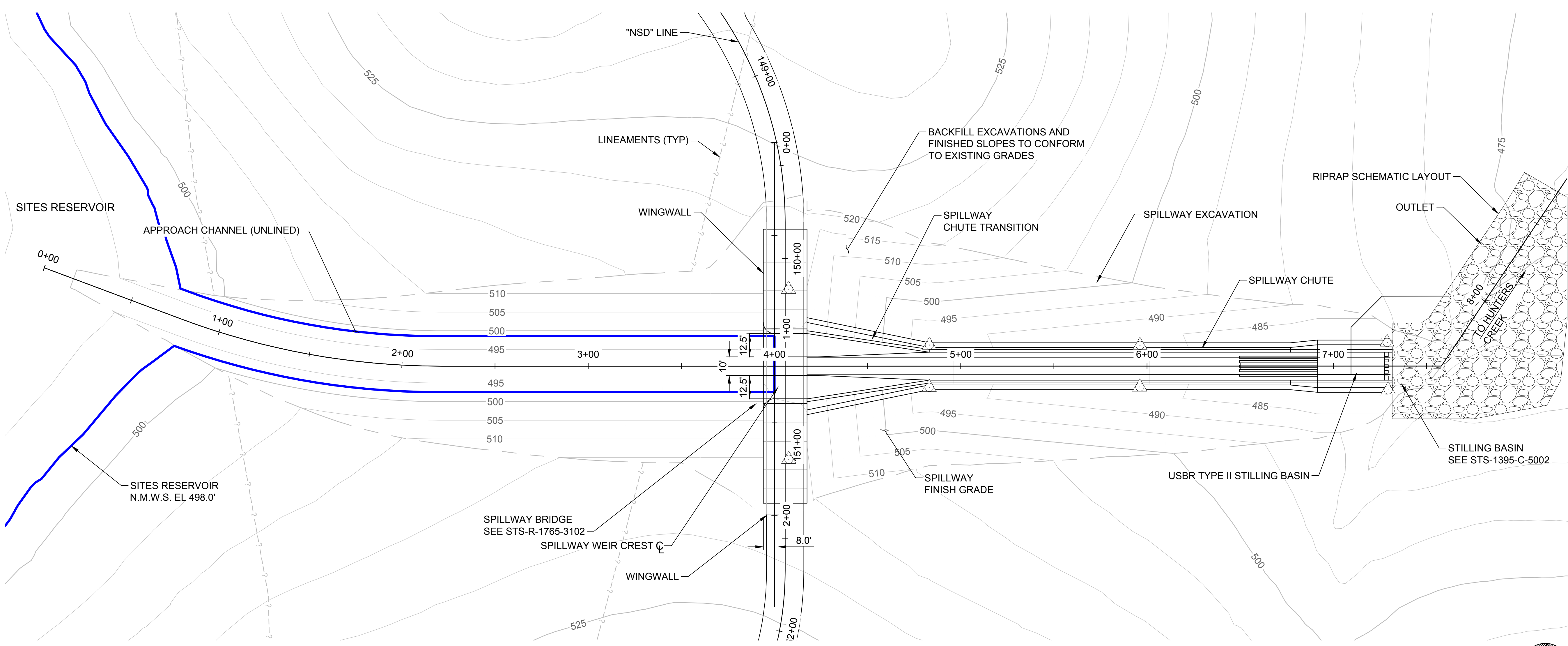
**SITES RESERVOIR**  
 INSTRUMENTATION  
 CIVIL  
 INLET/OUTLET FACILITIES  
 OUTLET PLAN

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
  
 DRAWING NO. STS-1400-C-2303  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

INSTRUMENT SCHEDULE	
INSTRUMENT	NO. OF INSTRUMENTS
SURVEY MONUMENTS	8

- NOTES:**
- BRIDGE NOT SHOWN FOR CLARITY, SEE DRAWING STS-1874-SB-2001.
  - SEE ROADWAY DRAWING STS-1765-R-2102.
  - INSTRUMENTATION SCHEDULE TO BE UPDATED WITH INSTRUMENT NAMES AND LOCATIONS AT 60% DESIGN.



**PLAN**  
HORIZ SCALE: 1" = 30'

- 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**

Plot Date: 3/22/2024 4:31 PM  
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 File: C:\pwworking\hdr\_sites\_reservoir\dms01432\STS-1400-C-2401.dwg

REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY:	S. HAUGAARD
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



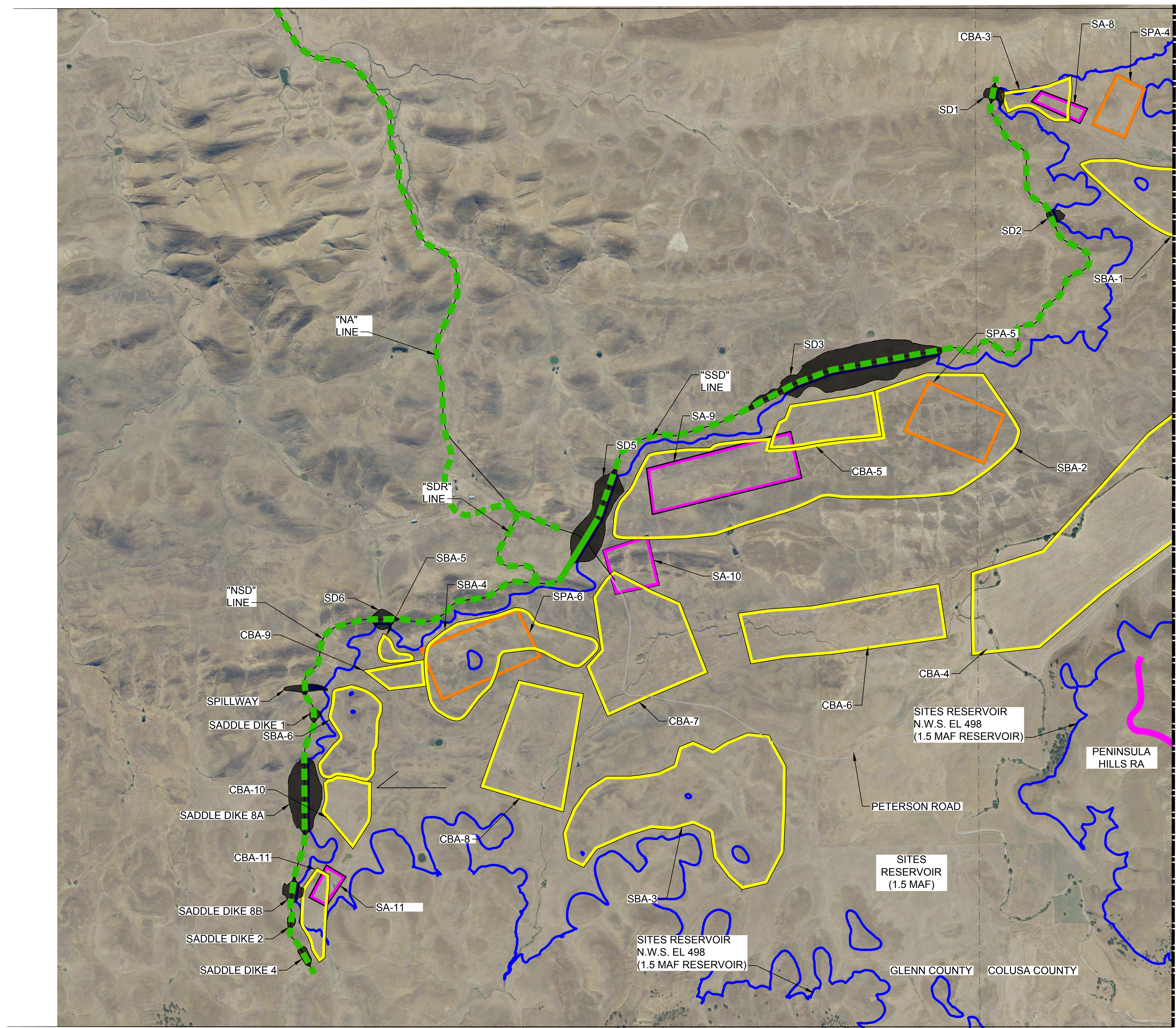
**SITES RESERVOIR**  
**INSTRUMENTATION**  
**CIVIL**  
**SITES RESERVOIR SPILLWAY**  
**PLAN**

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
DRAWING NO.	STS-1400-C-2401
SHT	OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

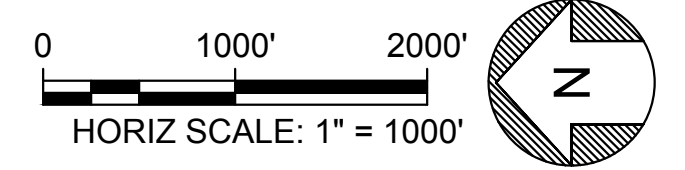


File: C:\pwworking\hdr\_sites\_reservoir\dms01436\STS-1450-C-2001.dwg  
 Plot Date: 3/19/2024 9:38 AM  
 Saved By: LINDSAY REID



MATCHLINE - SEE DRAWING STS-1450-B-2002

PLAN  
HORIZ SCALE: 1" = 1000'



- LEGEND:**
- CBA CORE BORROW AREA
  - DA DISPOSAL AREA
  - SBA SHELL BORROW AREA
  - SA STAGING AREA
  - SPA STOCKPILE AREA

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA

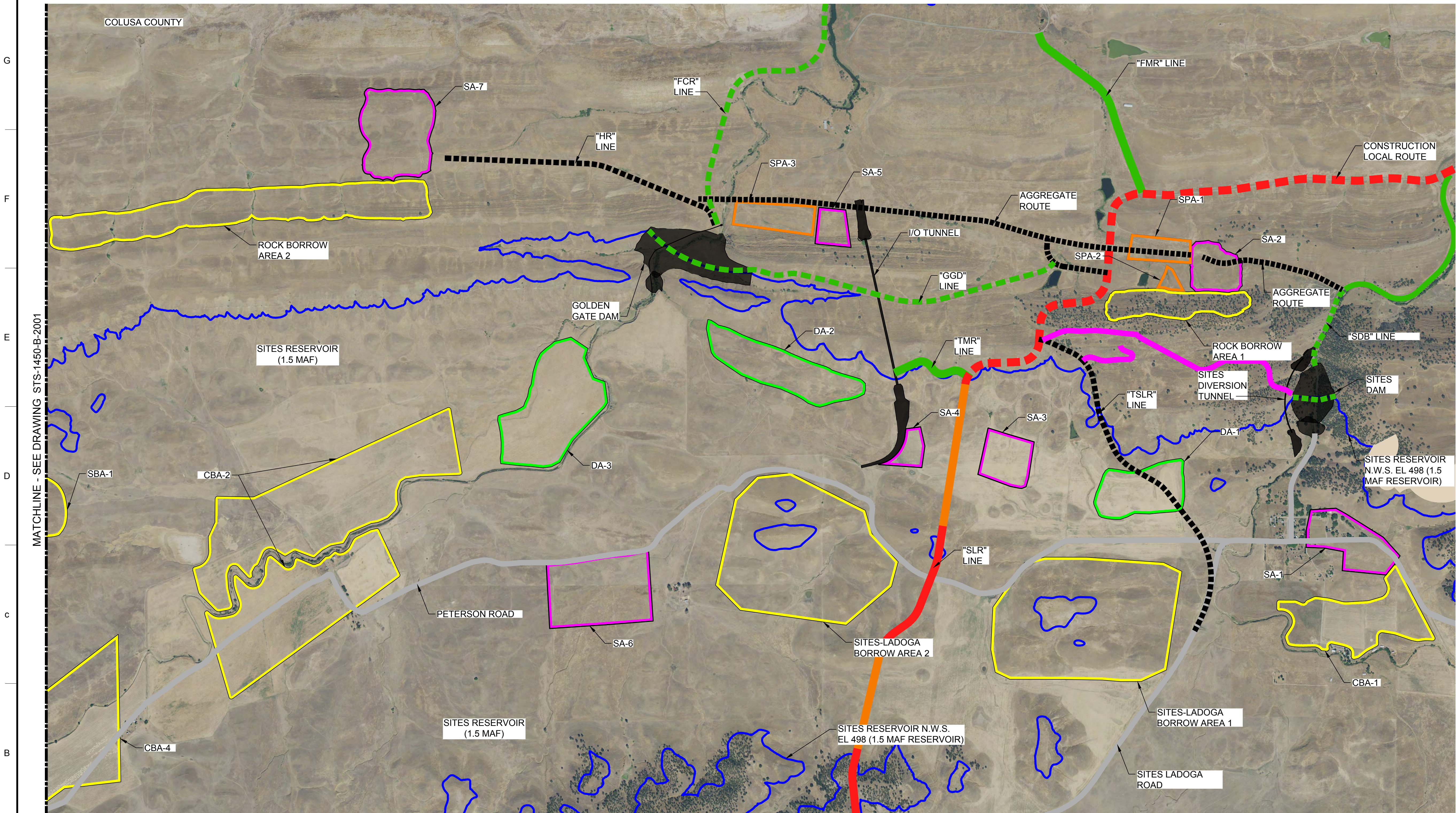


**SITES RESERVOIR**  
 SITES RESERVOIR  
 CIVIL  
 BORROW, STAGING, STOCKPILE  
 AND DISPOSAL AREAS  
 GENERAL OVERVIEW SHEET 1

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

DRAWING NO.  
 STS-1450-C-2001  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

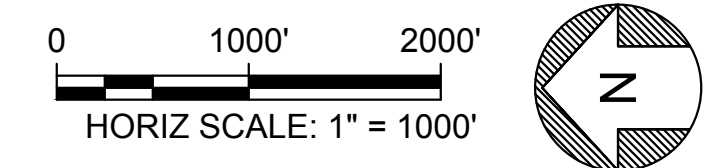


**LEGEND**

- LOCAL ROUTE
- MAINTENANCE ROUTE
- RECREATION ROUTE
- BRIDGE CROSSING
- EXISTING ROUTE
- - - CONSTRUCTION/LOCAL ROUTE
- - - CONSTRUCTION/MAINTENANCE ROUTE
- - - CONSTRUCTION ROUTE

CBA CORE BORROW AREA  
 DA DISPOSAL AREA  
 SBA SHELL BORROW AREA  
 SA STAGING AREA  
 SPA STOCKPILE AREA

**PLAN**  
SCALE: 1" = 1000'



Plot Date: 3/21/2024 3:29 PM  
 Saved By: LINDSAY REID  
 File: C:\pwworking\hdr\_sites\_reservoir\dms01436\STS-1450-C-2002.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	S. HAUGAARD
DRAWN BY:	M. MASHILE
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

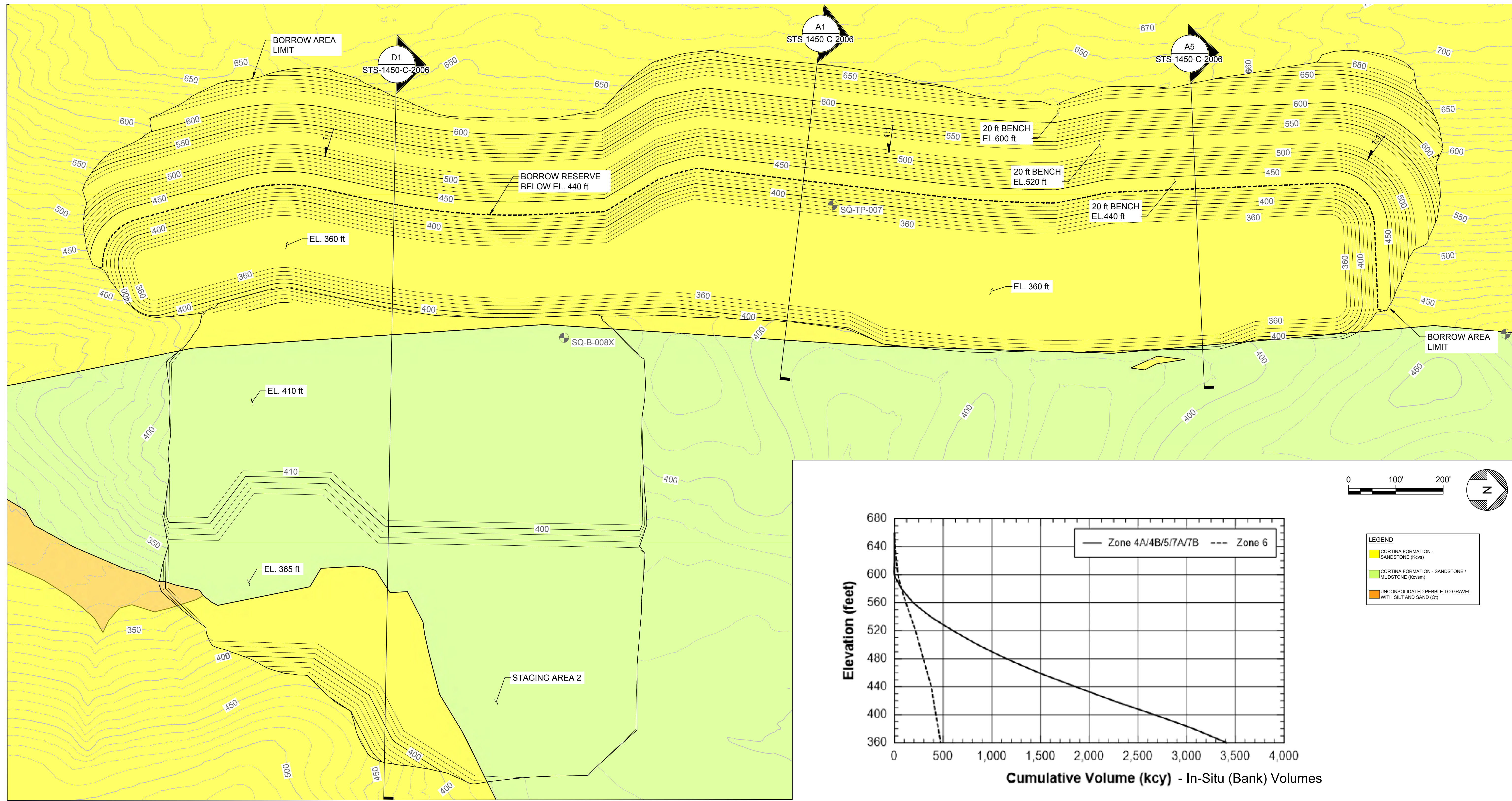
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA



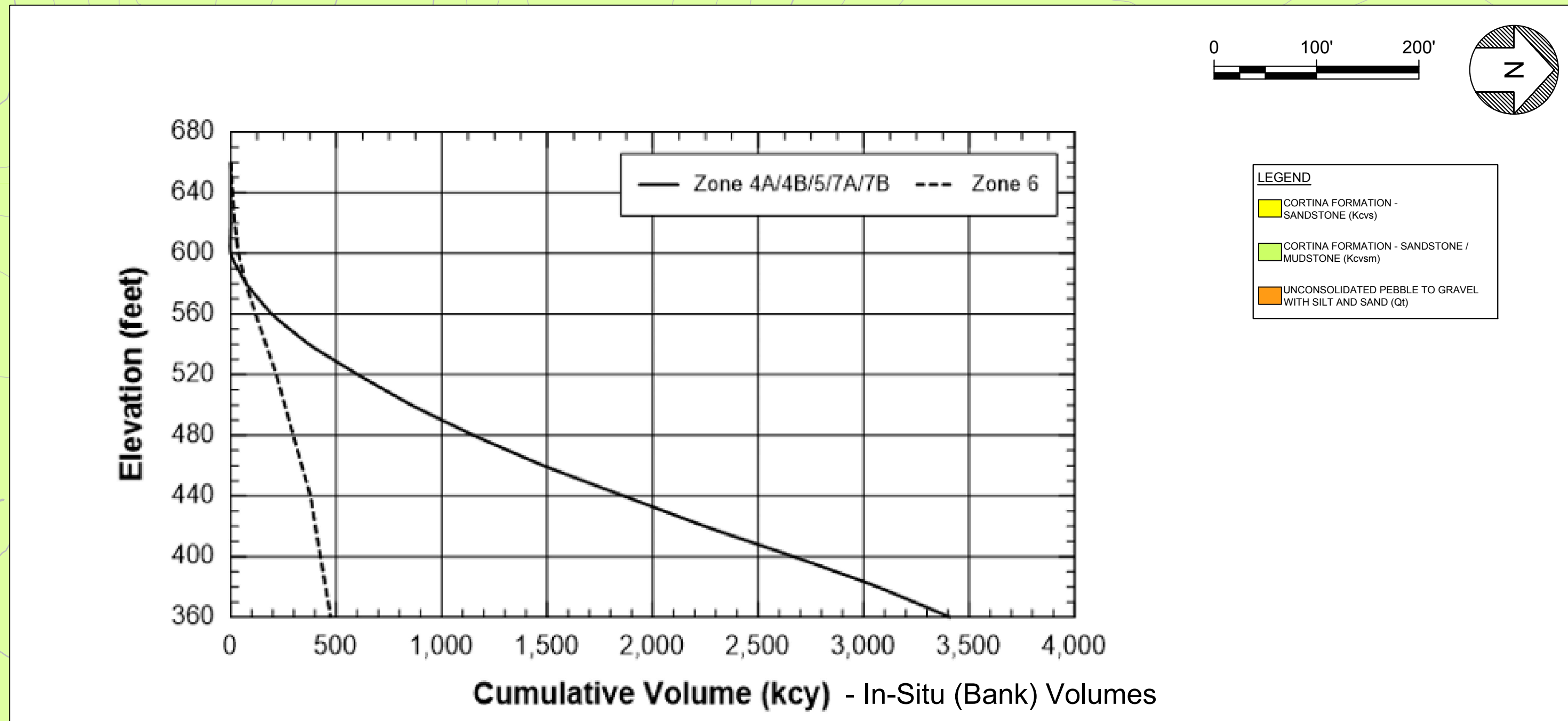
**SITES RESERVOIR**  
 SITES RESERVOIR  
 CIVIL  
 BORROW, STAGING, STOCKPILE  
 AND DISPOSAL AREAS  
 GENERAL OVERVIEW SHEET 2

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
0 1" 1"
DRAWING NO.
STS-1450-C-2002
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



**ROCK BORROW AREA 1 & STAGING AREA 2 - PLAN**  
 HORIZ SCALE: 1" = 100'



**ROCK BORROW - VOLUME-ELEVATION CURVE**  
 HORIZ SCALE: NOT TO SCALE

Plot Date: 3/19/2024 8:15 AM  
 Saved By: LINDSAY REID  
 File: C:\pwworking\hdr\_sites\_reservoir\dms01436\STS-1450-C-2005.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: S. HAUGAARD  
 DRAWN BY: M. MASHILE  
 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

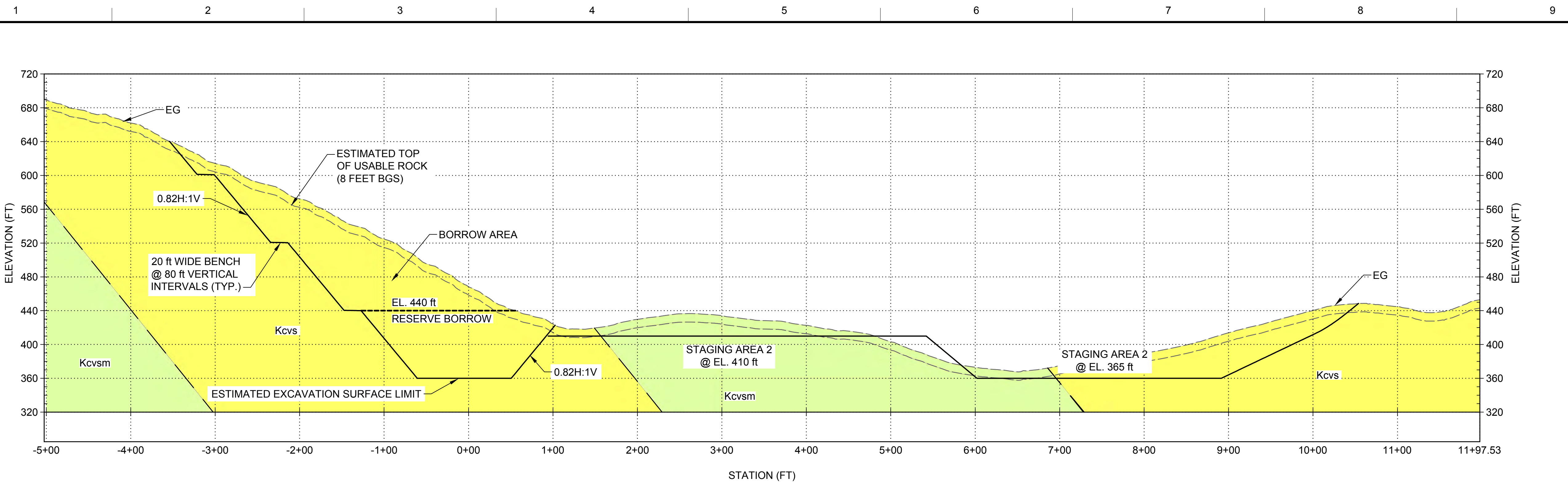
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA



**SITES RESERVOIR**  
 SITES DAM  
 CIVIL  
 ROCK BORROW AREA 1  
 PLAN

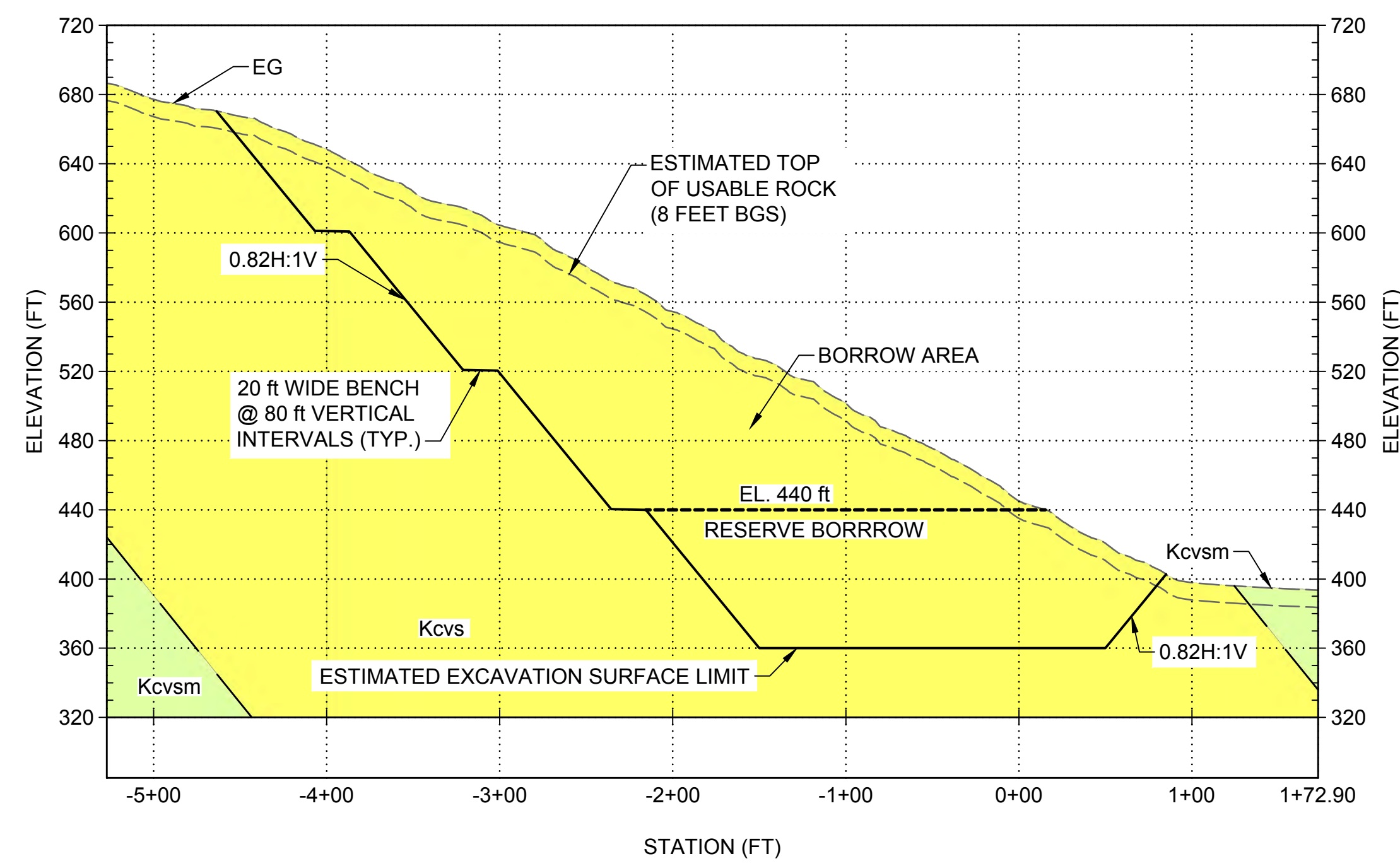
VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
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 DRAWING NO.  
 STS-1450-C-2005  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



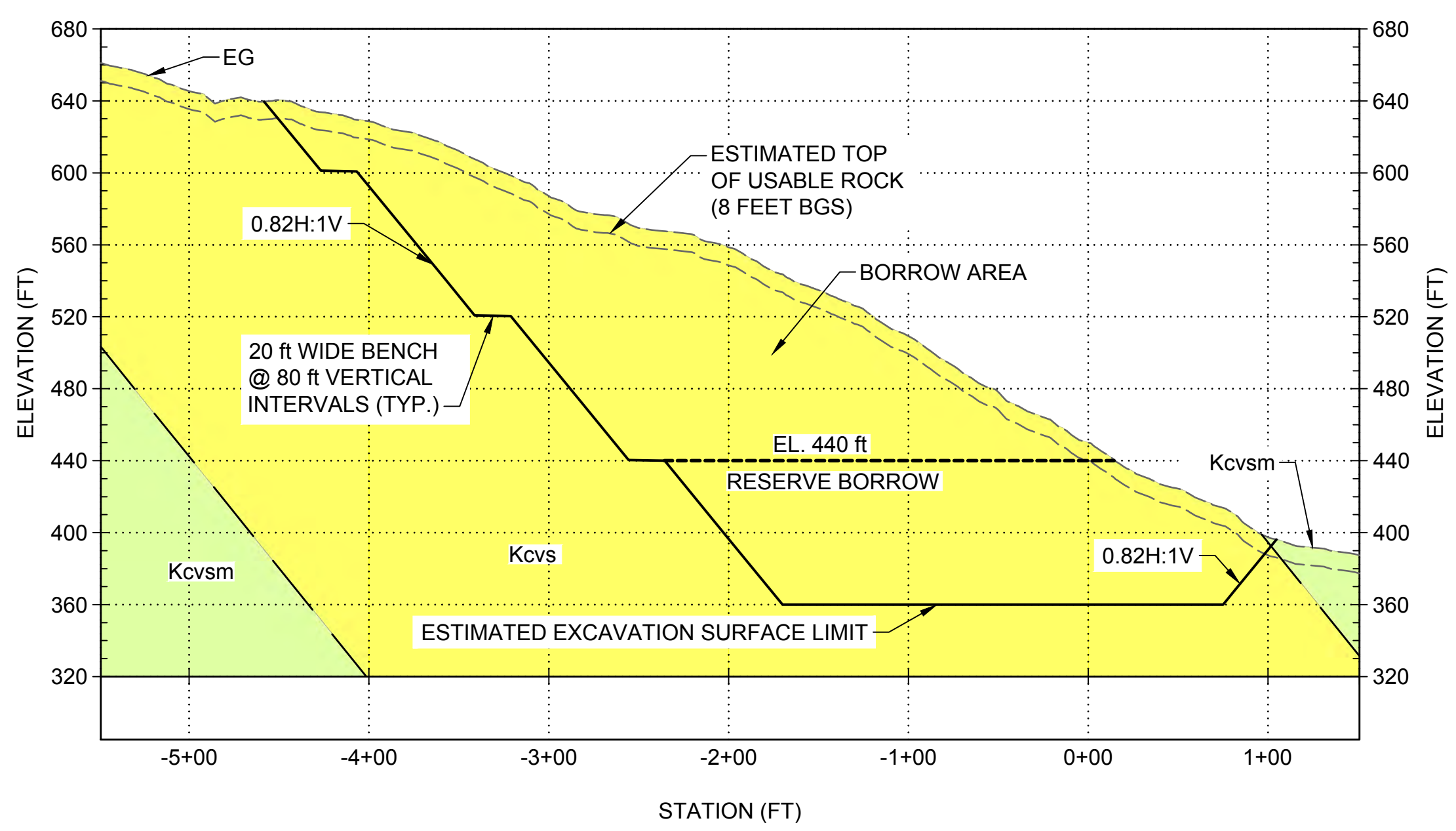
**D1 BORROW AREA 1 & STAGING AREA 2 - SECTION**  
SCALE: 1" = 70'

STS-1450-C-2005



**A1 BORROW AREA 1 - SECTION**  
SCALE: 1" = 70'

STS-1450-C-2005



**A5 BORROW AREA 1 - SECTION**  
SCALE: 1" = 70'

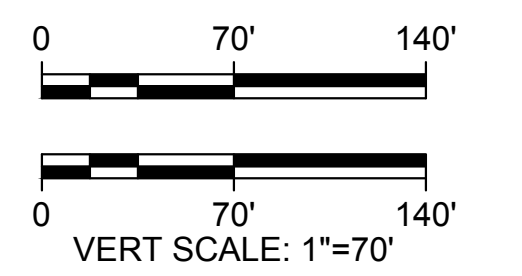
STS-1450-C-2005

**GENERAL NOTES**

1. THE BORROW AREA LIMIT SHOWN IS THE MAXIMUM EXTENT THAT THE BORROW AREA MAY BE DEVELOPED.
2. BORROW AREA TO BE CLEARED AND GRUBBED PRIOR TO DEVELOPMENT.
3. OVERBURDEN MATERIAL SHALL BE EXCAVATED AND DISPOSED OF IN DISPOSAL AREAS OR STOCKPILED FOR REUSE IN OTHER PROJECT FEATURES. TOPSOIL SHALL BE STOCKPILED SEPARATELY FOR LATER USE IN RESTORATION OF THE BORROW AREA.
4. CONTACTS BETWEEN OVERBURDEN MATERIAL, CORTINA SANDSTONE, AND CORTINA SANDSTONE/MUDSTONE ARE APPROXIMATE AND ESTIMATED BASED ON THE GEOTECHNICAL INVESTIGATIONS REPORTED IN THE GDR.
5. REINFORCEMENT OF THE CUT SLOPES TO BE EVALUATED DURING FUTURE DESIGN SUBMITTALS.
6. DRAINAGE TO BE DESIGNED AT 60 PERCENT.

**LEGEND**

- CORTINA FORMATION - SANDSTONE (Kcvs)
- CORTINA FORMATION - SANDSTONE / MUDSTONE (Kcvsm)



Plot Date: 3/19/2024 9:57 AM  
Saved By: LINDSAY REID  
File: C:\pwworking\hdr\_sites\_reservoir\dmso1436\STS-1450-C-2006.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



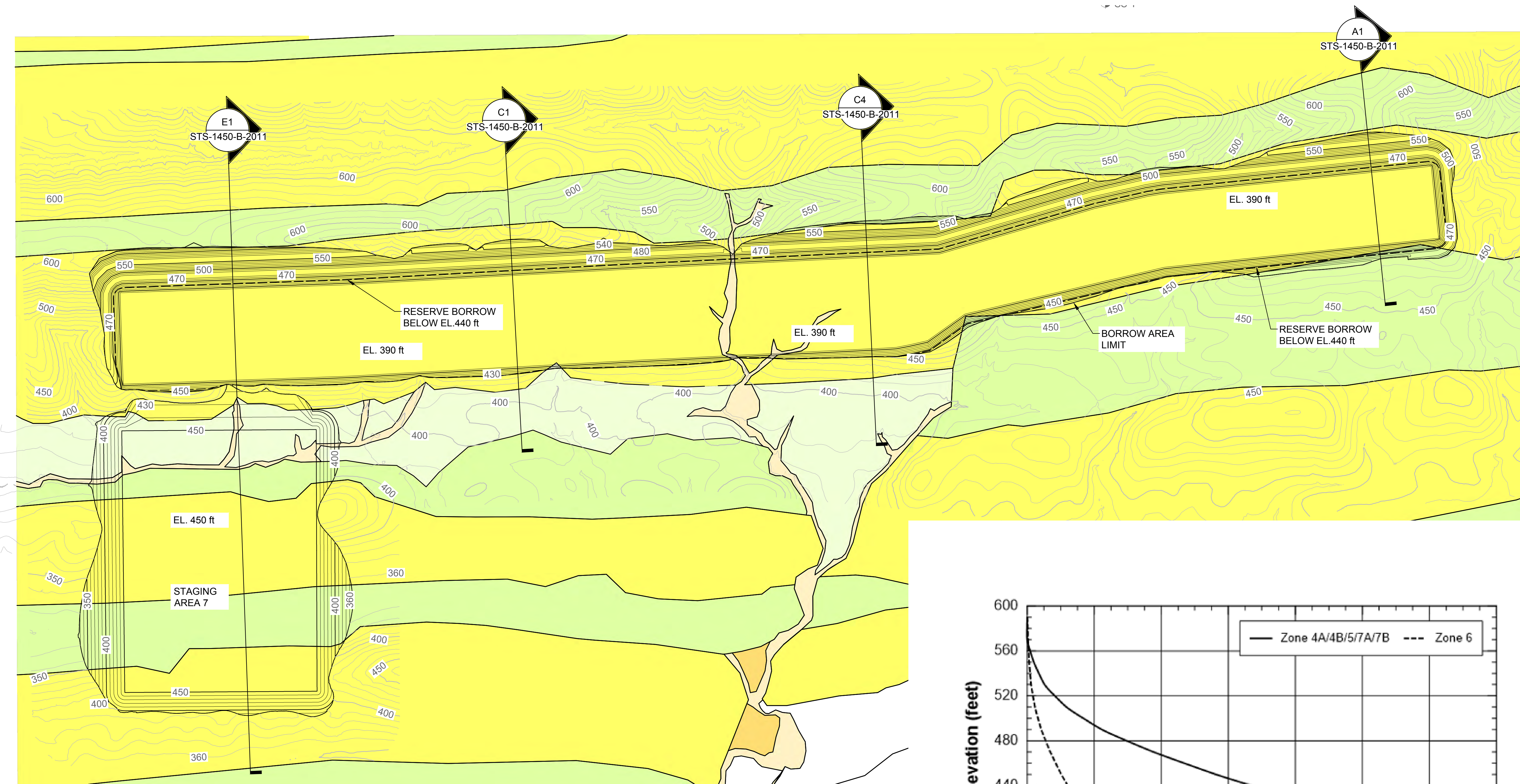
REGISTERED PROFESSIONAL ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA



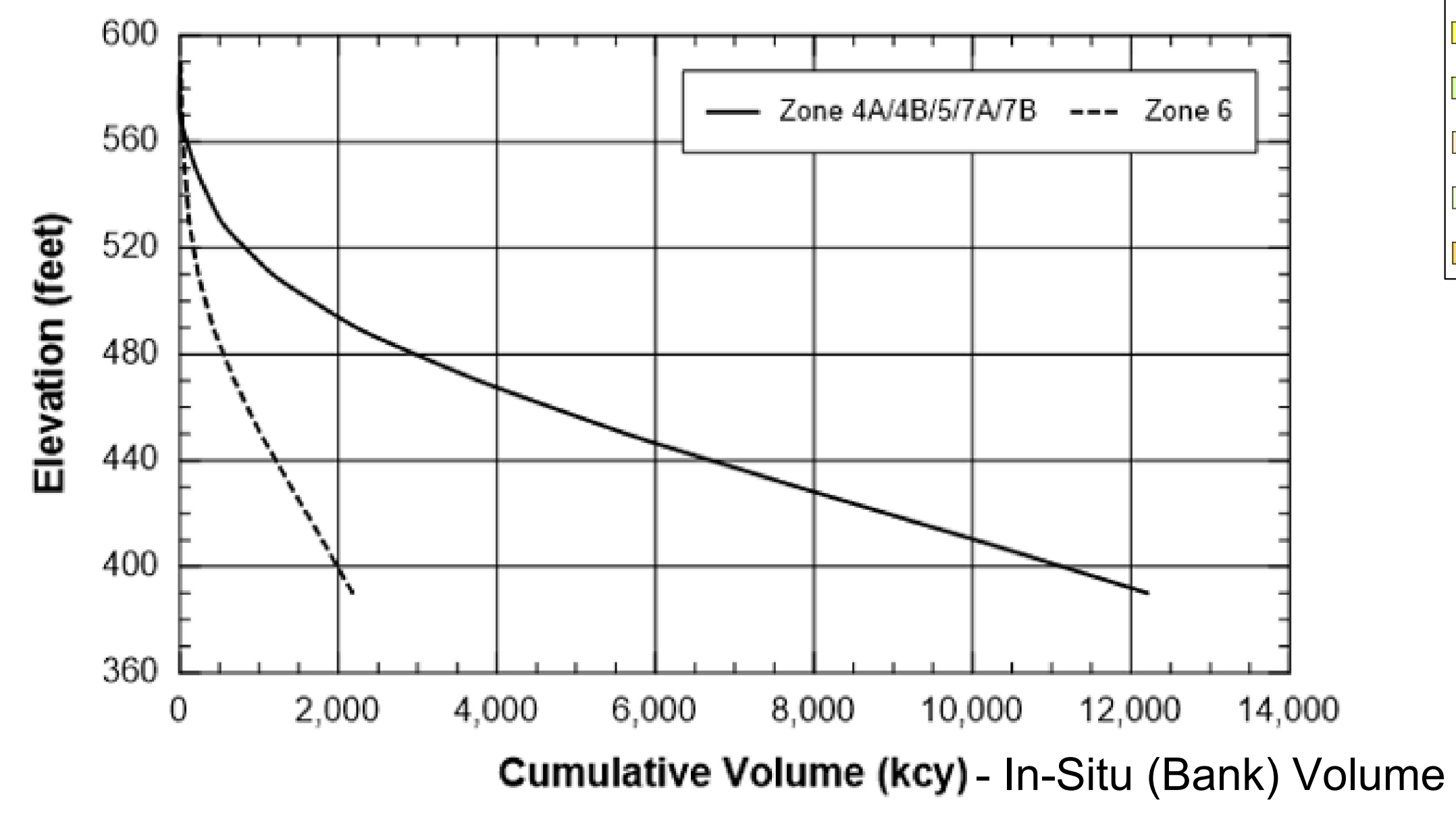
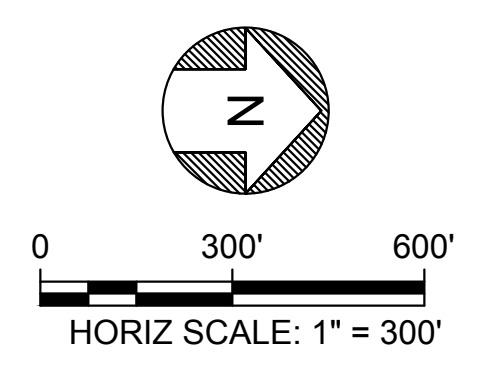
**SITES RESERVOIR**  
SITES DAM  
CIVIL  
ROCK BORROW AREA 1  
SECTIONS

**VERIFY SCALES**  
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
DRAWING NO. STS-1450-C-2006  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



**ROCK BORROW AREA 2 - PLAN**  
HORIZ SCALE: 1" = 300'



**VOLUME - ELEVATION CURVE**  
HORIZ SCALE: NOT TO SCALE

**LEGEND:**

- CORTINA FORMATION - SANDSTONE (Kcvs)
- CORTINA FORMATION - SANDSTONE / MUDDSTONE (KcvsM)
- ALLUVIUM (Qal)
- ALLUVIAL FAN DEPOSITS (Qf)
- UNCONSOLIDATED PEBBLE TO GRAVEL WITH SILT AND SAND (Qg)

Plot Date: 3/19/2024 9:28 AM  
 Saved By: LINDSAY REID  
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REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED PROFESSIONAL ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA

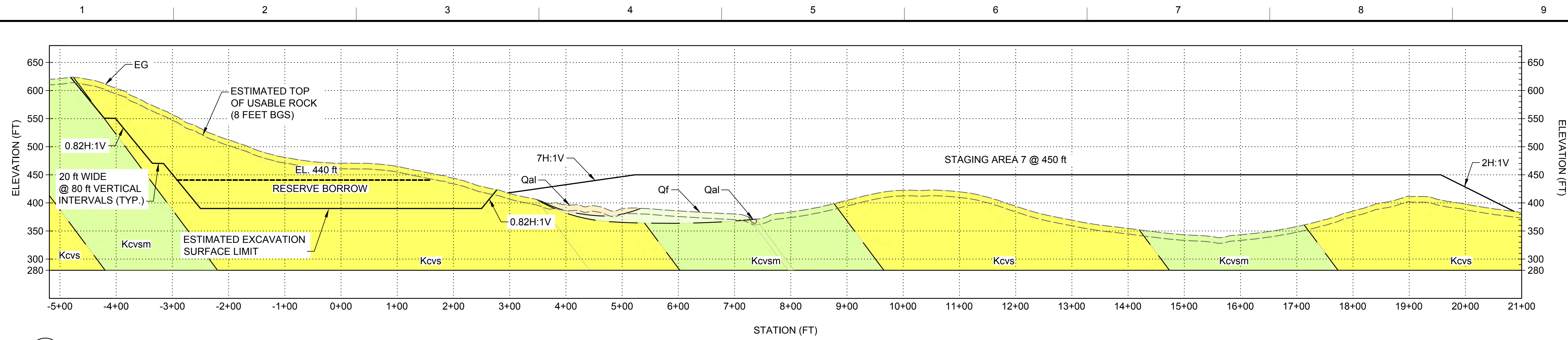


**SITES RESERVOIR**  
 GOLDEN GATE DAM  
 CIVIL  
 ROCK BORROW AREA 2  
 PLAN

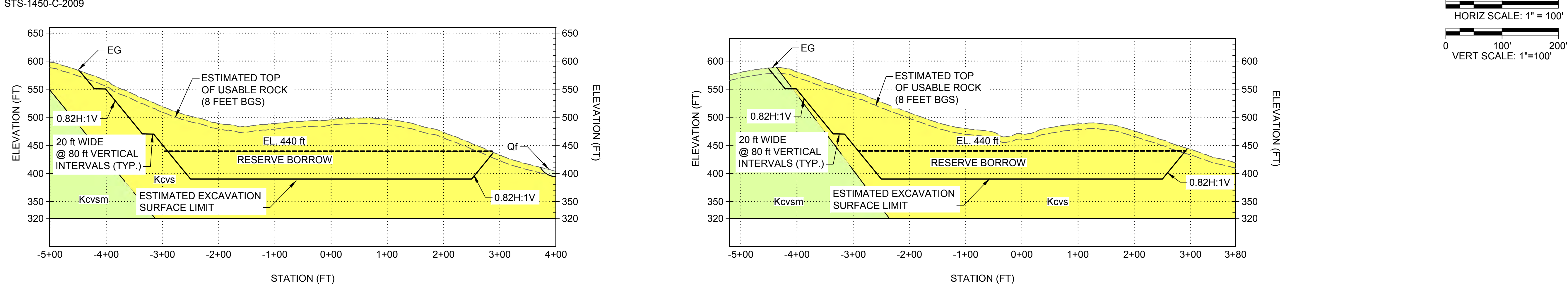
VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
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 DRAWING NO.  
 STS-1450-C-2010  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

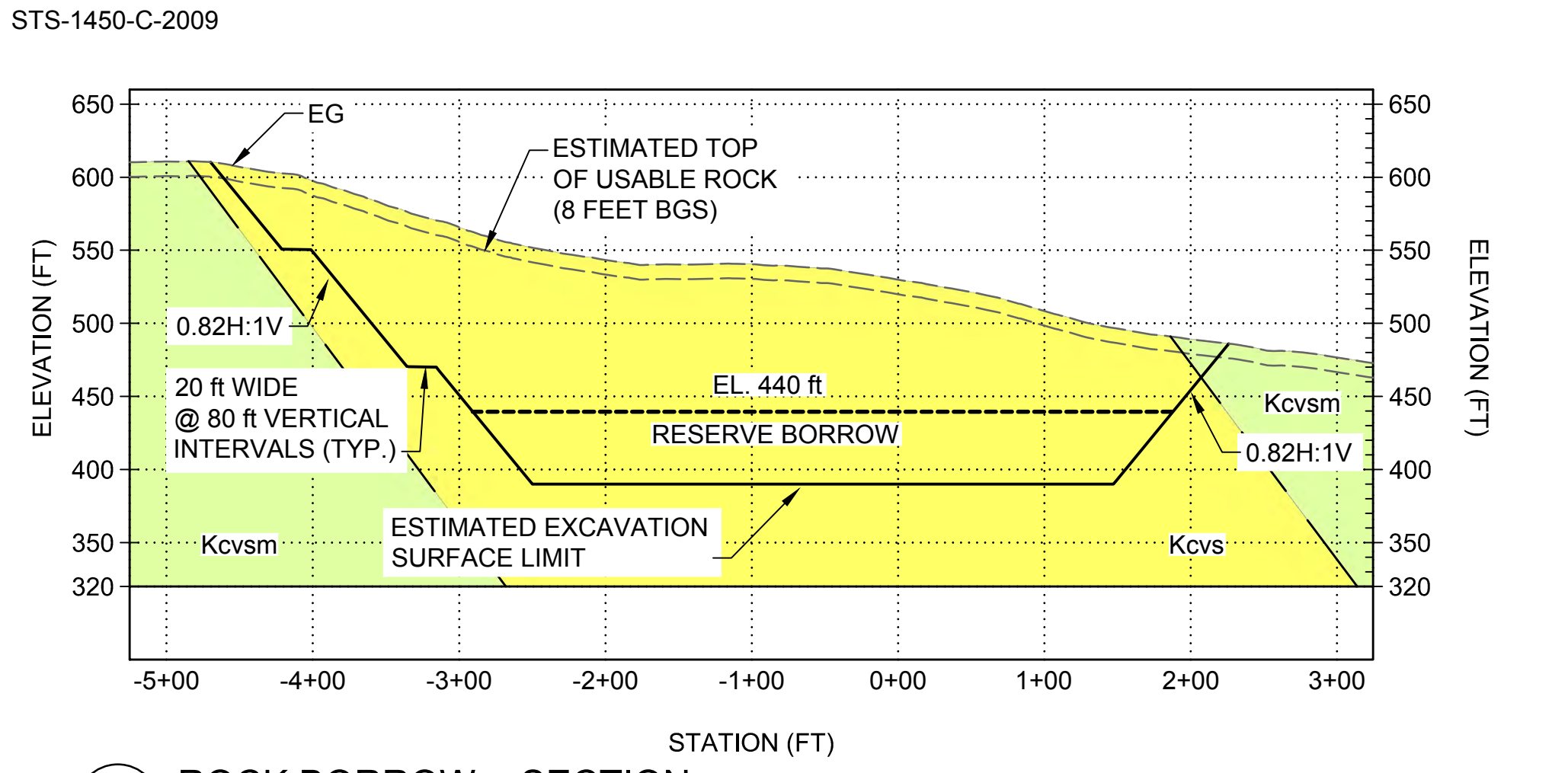
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 File: C:\pwworking\hdr\_sites\_reservoir\dms01436\STS-1450-C-2011.dwg.DWG



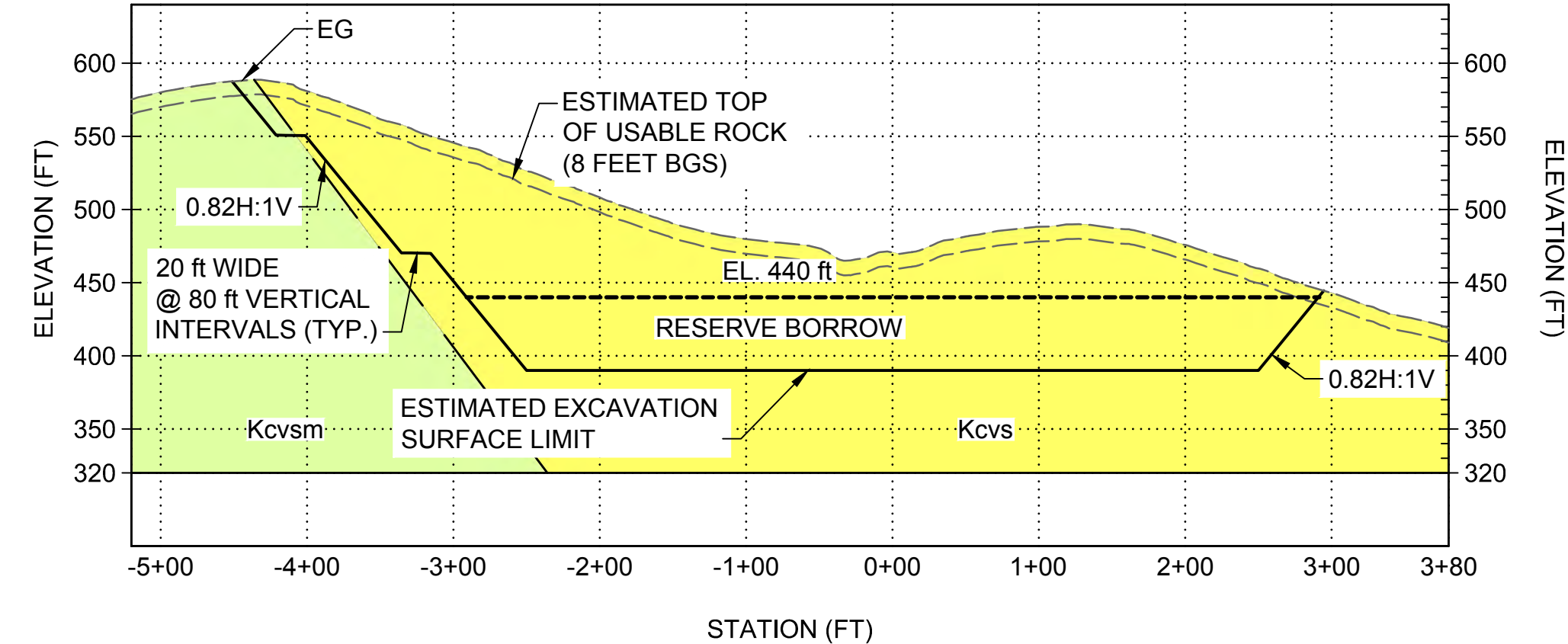
**E1** ROCK BORROW & STAGING AREA 7 - SECTION  
 SCALE: 1" = 100'



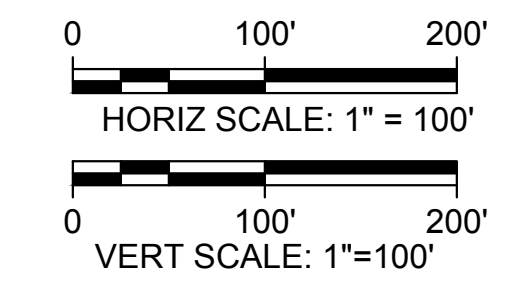
**C1** ROCK BORROW - SECTION  
 SCALE: 1" = 100'



**A1** ROCK BORROW - SECTION  
 SCALE: 1" = 100'



**C4** ROCK BORROW - SECTION  
 SCALE: 1" = 100'



**GENERAL NOTES**

1. THE BORROW AREA LIMIT SHOWN IS THE MAXIMUM EXTENT THAT THE BORROW AREA MAY BE DEVELOPED.
2. BORROW AREA TO BE CLEARED AND GRUBBED PRIOR TO DEVELOPMENT.
3. OVERBURDEN MATERIAL SHALL BE EXCAVATED AND DISPOSED OF IN DISPOSAL AREAS OR STOCKPILED FOR REUSE IN OTHER PROJECT FEATURES. TOPSOIL SHALL BE STOCKPILED SEPARATELY FOR LATER USE IN RESTORATION OF THE BORROW AREA.
4. CONTACTS BETWEEN OVERBURDEN MATERIAL, CORTINA SANDSTONE, AND CORTINA SANDSTONE/MUDSTONE ARE APPROXIMATE AND ESTIMATED BASED ON THE GEOTECHNICAL INVESTIGATIONS REPORTED IN THE GDR.
5. REINFORCEMENT OF THE CUT SLOPES TO BE EVALUATED DURING FUTURE DESIGN SUBMITTALS.
6. DRAINAGE TO BE DESIGNED AT 60 PERCENT.

LEGEND	
<span style="display: inline-block; width: 15px; height: 10px; background-color: yellow; border: 1px solid black;"></span>	CORTINA FORMATION - SANDSTONE (Kcvs)
<span style="display: inline-block; width: 15px; height: 10px; background-color: lightgreen; border: 1px solid black;"></span>	CORTINA FORMATION - SANDSTONE / MUDSTONE (Kcvsm)
<span style="display: inline-block; width: 15px; height: 10px; background-color: lightyellow; border: 1px solid black;"></span>	ALLUVIUM (Qal)
<span style="display: inline-block; width: 15px; height: 10px; background-color: lightgrey; border: 1px solid black;"></span>	ALLUVIAL FAN DEPOSITS (Qf)
<span style="display: inline-block; width: 15px; height: 10px; background-color: orange; border: 1px solid black;"></span>	UNCONSOLIDATED PEBBLE TO GRAVEL WITH SILT AND SAND (Qg)

REV	DATE	BY	CHK.	APPR.	DESCRIPTION

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



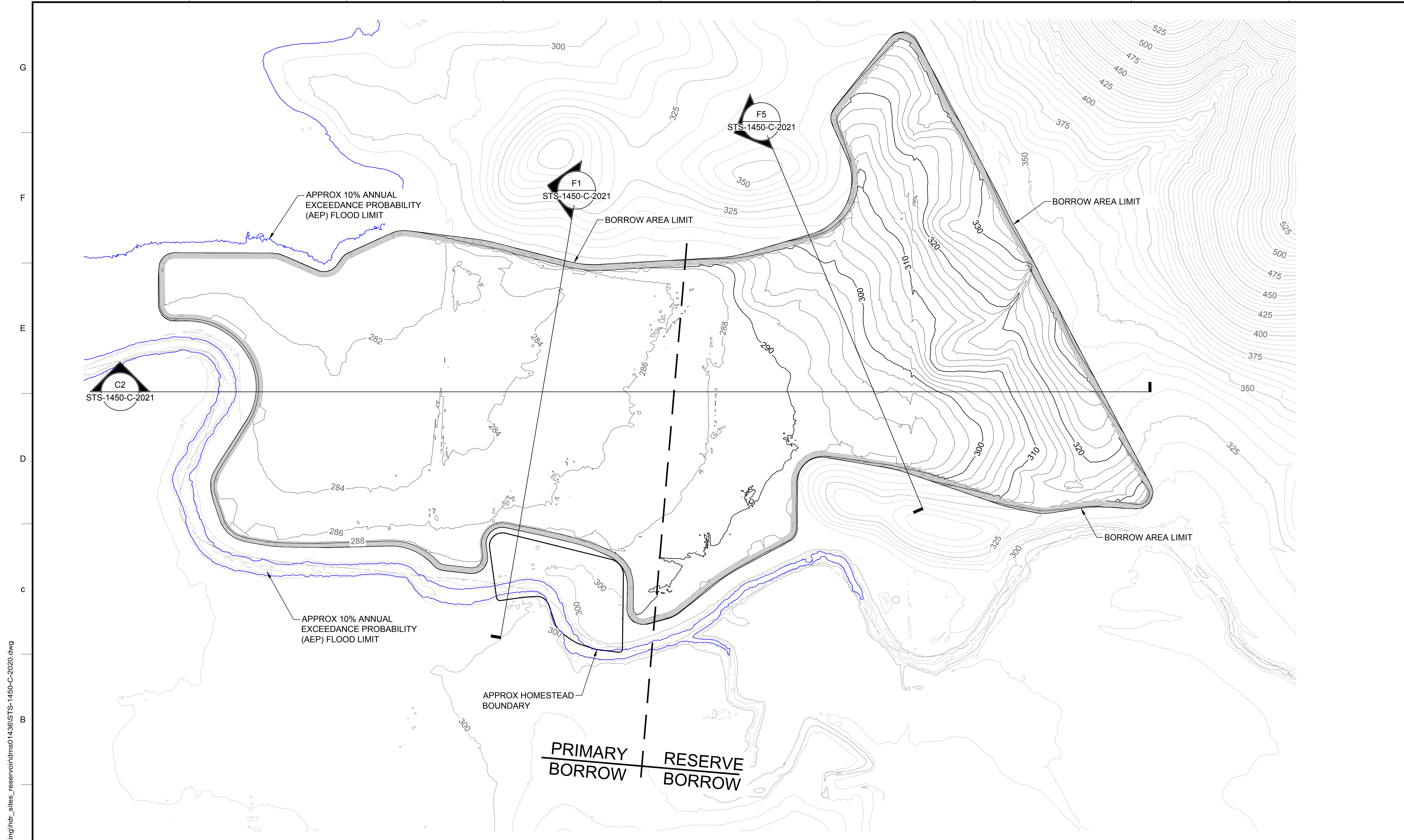
REGISTERED PROFESSIONAL ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA



**SITES RESERVOIR**  
 GOLDEN GATE DAM  
 CIVIL  
 ROCK BORROW AREA 2  
 SECTIONS

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
 1" = 100'  
**DRAWING NO.**  
 STS-1450-C-2011  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



**GENERAL NOTES**

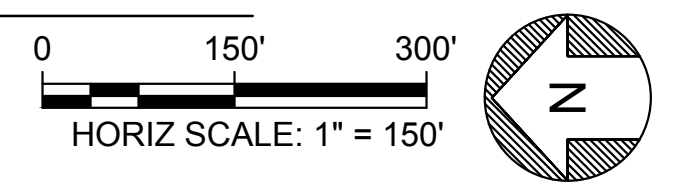
1. THE BORROW AREA LIMIT SHOWN IS THE MAXIMUM EXTENT THAT THE BORROW AREA MAY BE DEVELOPED.
2. BORROW AREA TO BE CLEARED AND GRUBBED PRIOR TO DEVELOPMENT.
3. EXCAVATION TO BE STAGED TO ALLOW FOR STOCKPILING AND USE AS DISPOSAL FOR UNUSABLE MATERIALS EXCAVATED FROM THE CORE BORROW.

**LEGEND:**

GEOTECHNICAL EXPLORATIONS

**KEY MAP**

**CORE BORROW AREA 1 - PLAN**  
HORIZ SCALE: 1" = 150'



Plot Date: 3/21/2024 3:01 PM  
 Saved By: LINDSAY REID  
 File: C:\pwworking\hdr\_sites\_reservoir\dmso1436\STS-1450-C-2020.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED PROFESSIONAL ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA

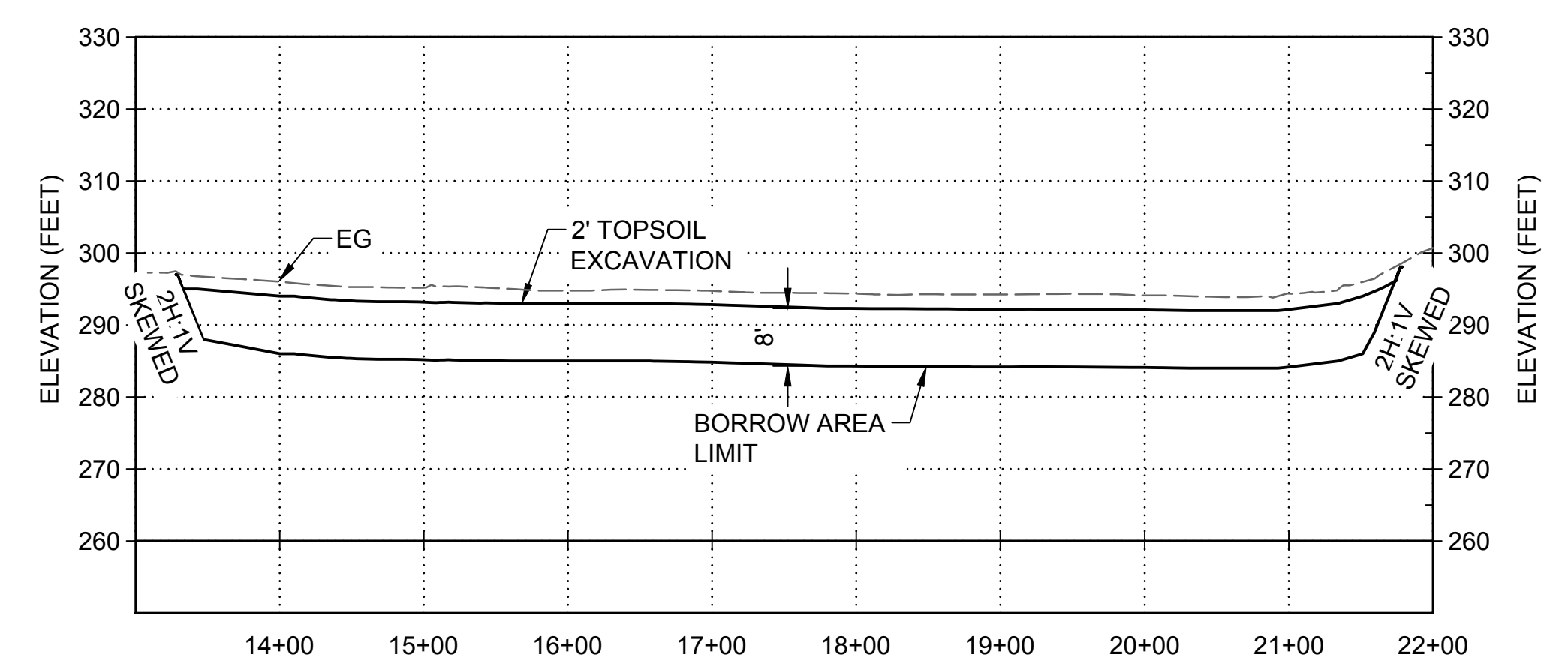


**SITES RESERVOIR**  
 SITES DAM  
 CIVIL  
 CORE BORROW AREA 1  
 PLAN

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
  
 DRAWING NO.  
 STS-1450-C-2020  
 SHT OF

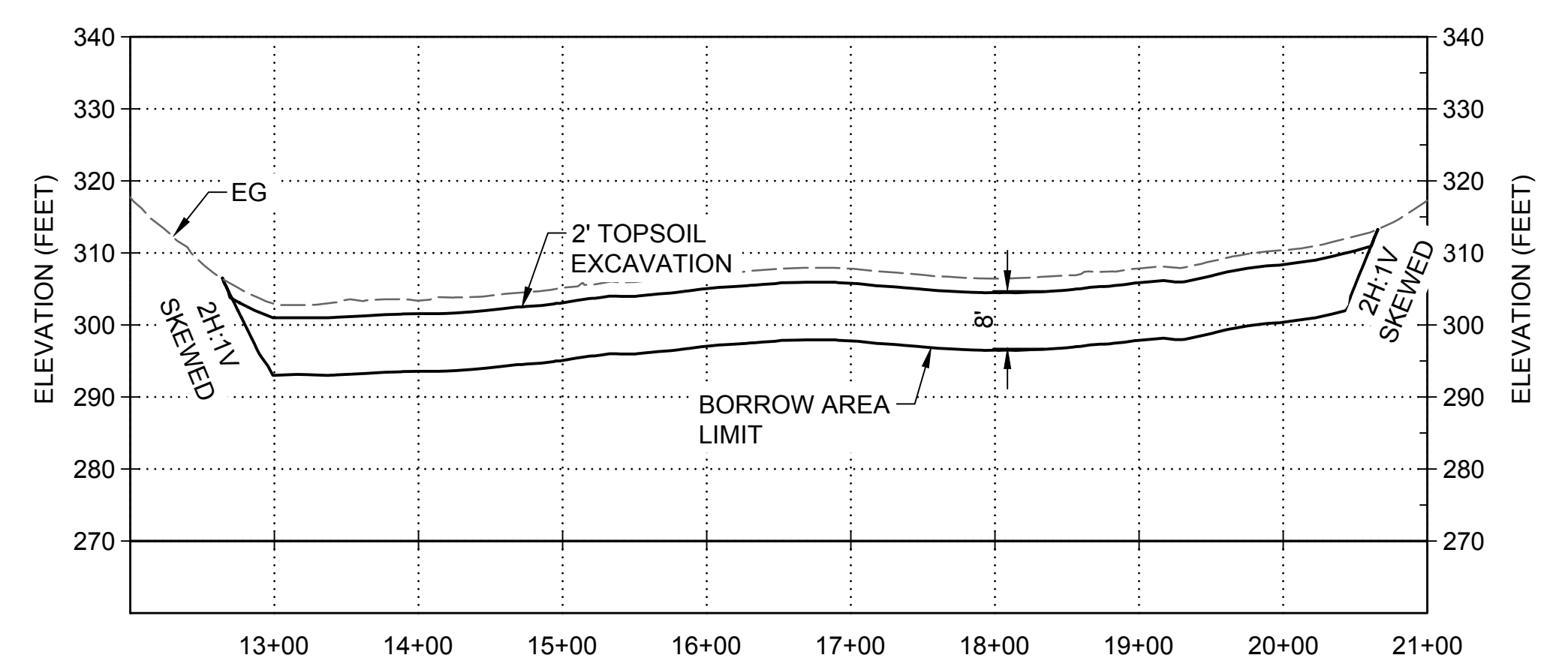
30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES



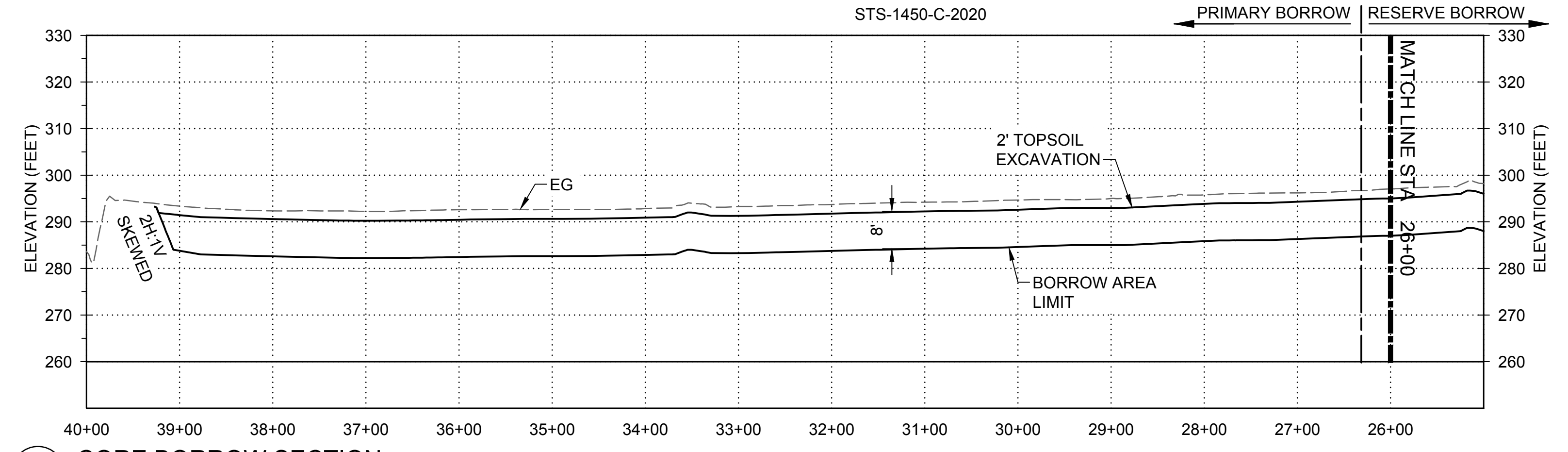
**F1** CORE BORROW SECTION  
SCALE: 1" = 100'

STS-1450-C-2020



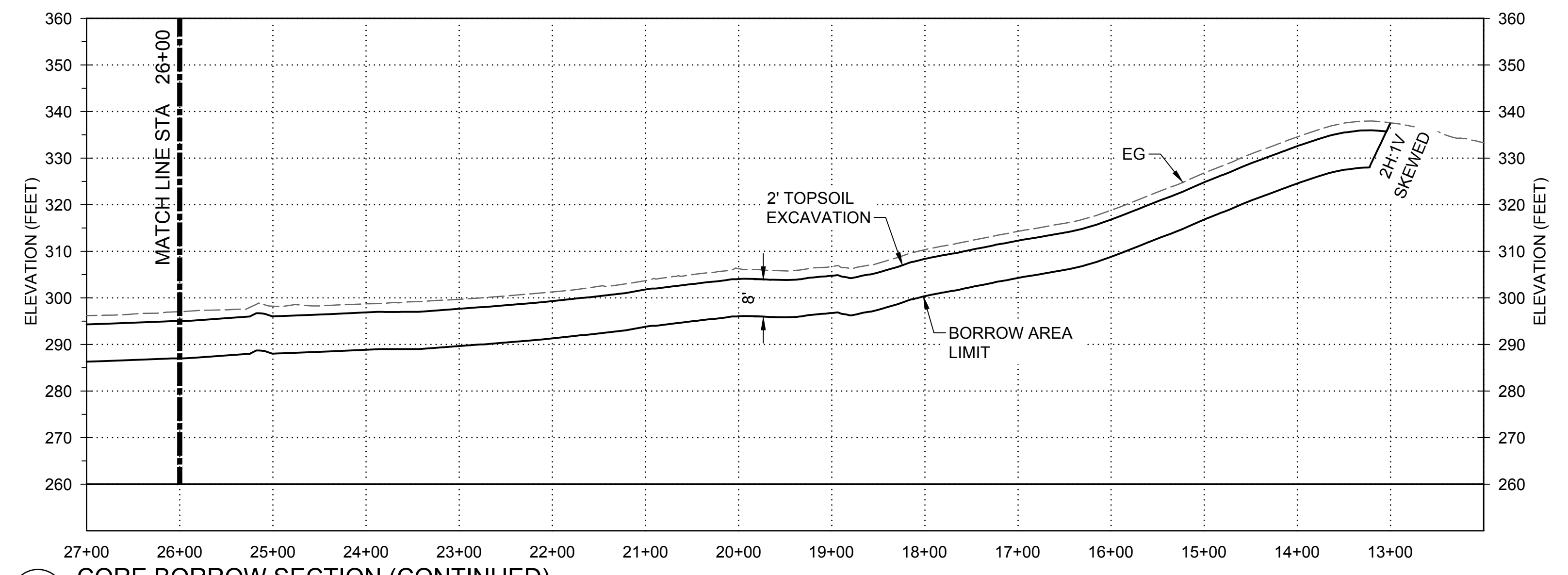
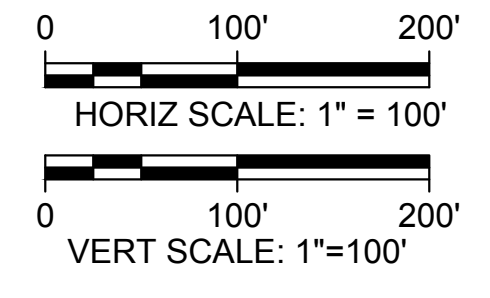
**F5** CORE BORROW SECTION  
SCALE: 1" = 100'

STS-1450-C-2020



**C2** CORE BORROW SECTION  
SCALE: 1" = 100'

STS-1450-C-2020



**C2** CORE BORROW SECTION (CONTINUED)  
SCALE: 1" = 100'

STS-1450-C-2020



Plot Date: 3/7/2024 11:20 AM  
Saved By: LINDSAY REID  
File: C:\pwworking\hdr\_sites\_reservoir\dms01436\STS-1450-C-2021.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED PROFESSIONAL ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA

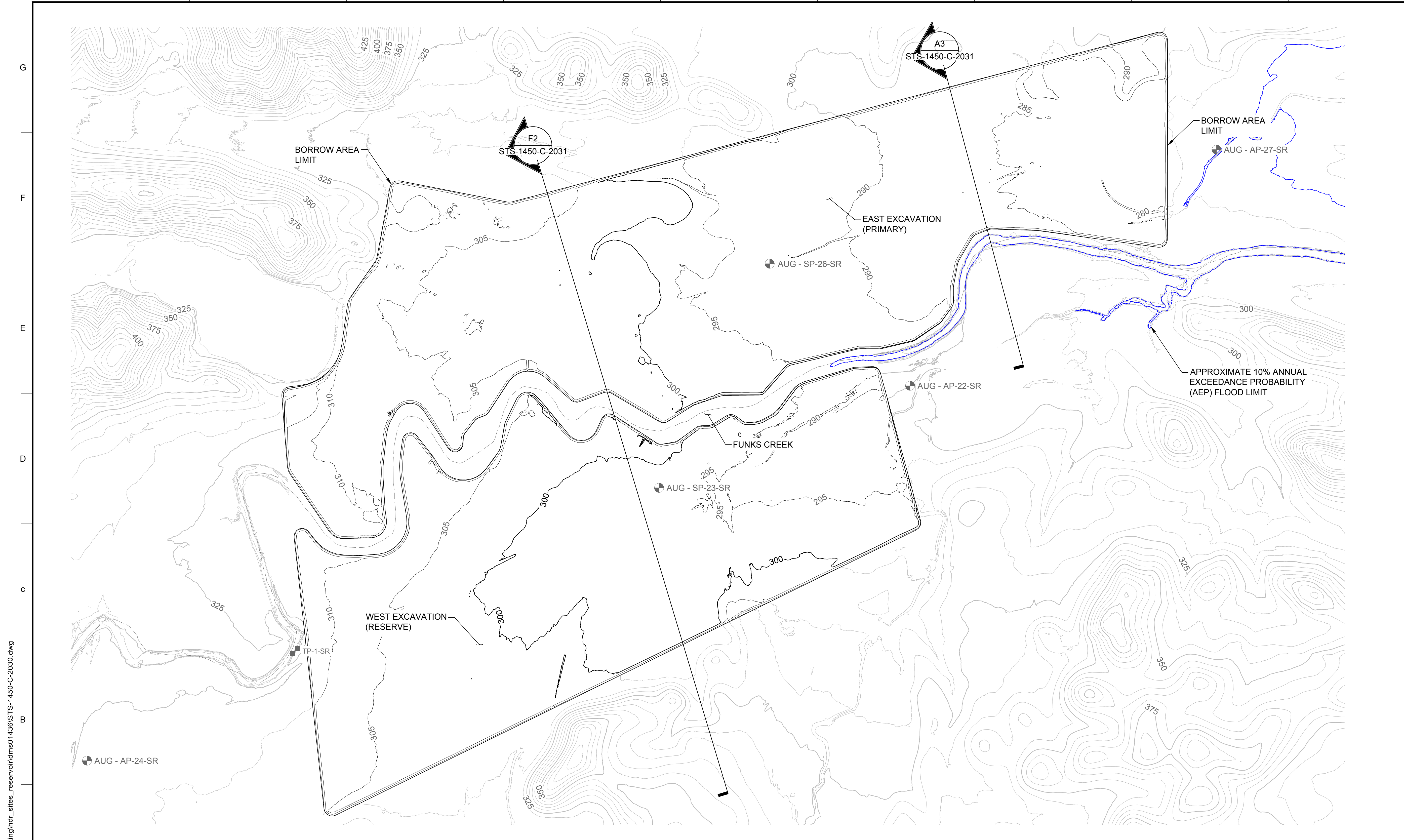


**SITES RESERVOIR**  
SITES DAM  
CIVIL  
CORE BORROW AREA 1  
SECTIONS

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
DRAWING NO.  
STS-1450-C-2021  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION





**GENERAL NOTES**

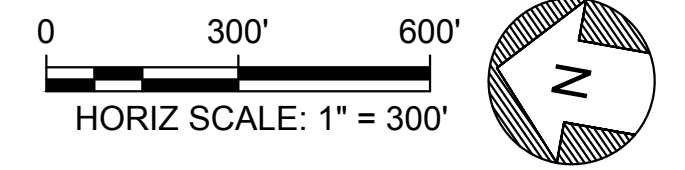
1. THE BORROW AREA LIMIT SHOWN IS THE MAXIMUM EXTENT THAT THE BORROW AREA MAY BE DEVELOPED.
2. BORROW AREA TO BE CLEARED AND GRUBBED PRIOR TO DEVELOPMENT.
3. EXCAVATION TO BE STAGED TO ALLOW FOR STOCKPILING AND USE AS DISPOSAL FOR UNUSABLE MATERIALS EXCAVATED FROM THE CORE BORROW.

**LEGEND:**

GEOTECHNICAL EXPLORATIONS

**KEY MAP**

**CORE BORROW AREA 2 - PLAN**  
HORIZ SCALE: 1" = 300'



Plot Date: 3/21/2024 2:45 PM  
 Saved By: LINDSAY REID  
 File: C:\pwworking\hdr\_sites\_reservoir\dm\01436\STS-1450-C-2030.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



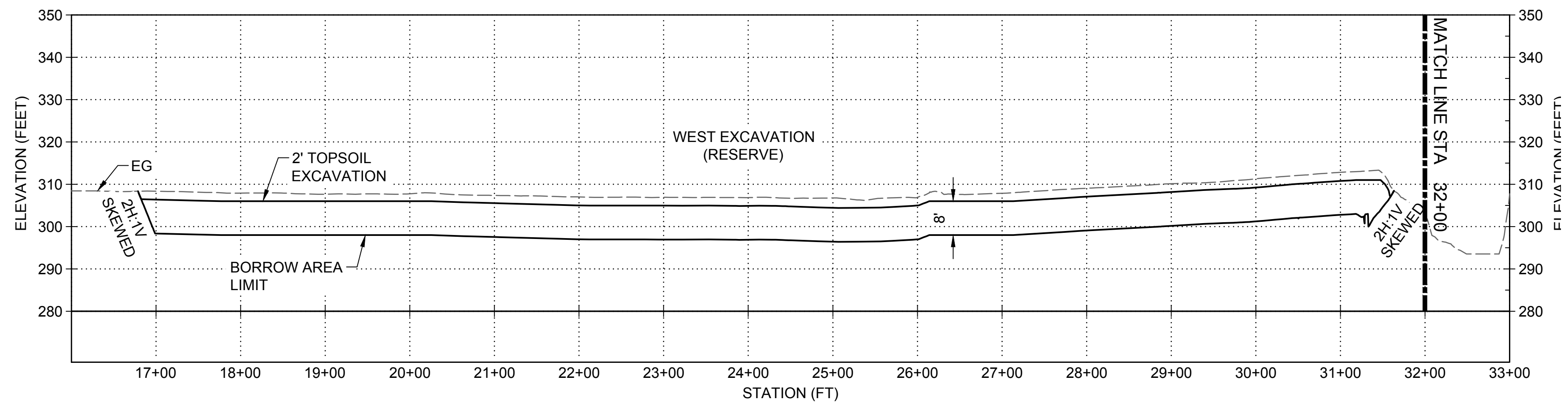
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA



**SITES RESERVOIR**  
 GOLDEN GATE DAM  
 CIVIL  
 CORE BORROW AREA 2  
 PLAN

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
  
 DRAWING NO.  
 STS-1450-C-2030  
 SHT OF

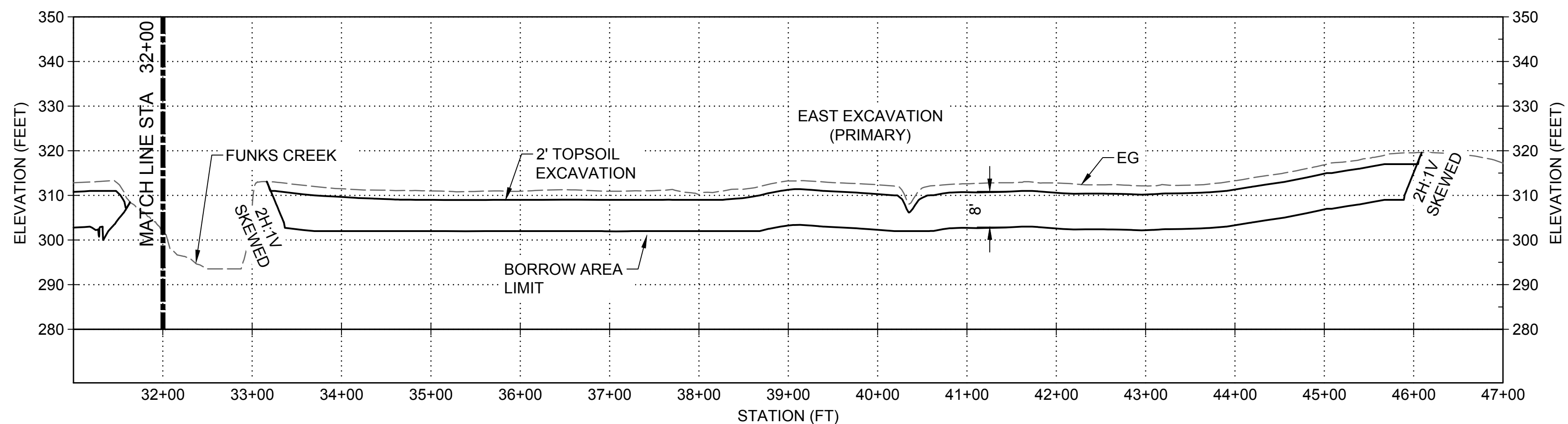
30% SUBMITTAL - NOT FOR CONSTRUCTION



**F2** CORE BORROW SECTION

SCALE: 1" = 100'

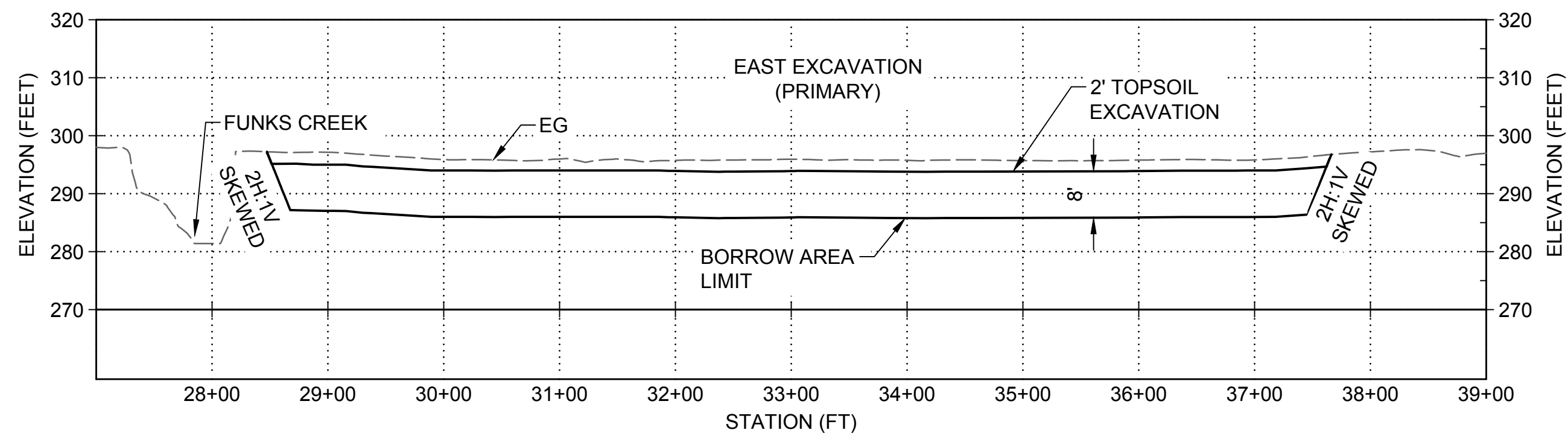
STS-1450-C-2030



**F2** CORE BORROW SECTION (CONTINUED)

SCALE: 1" = 100'

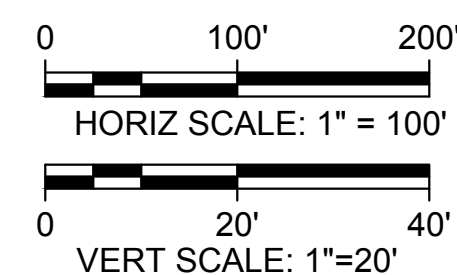
STS-1450-C-2030



**A3** CORE BORROW SECTION

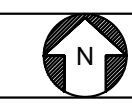
SCALE: 1" = 100'

STS-1450-C-2030



GENERAL NOTES

KEY MAP



SITES RESERVOIR

GOLDEN GATE DAM  
CIVIL  
CORE BORROW AREA 2  
SECTIONS

VERIFY SCALES

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



DRAWING NO.  
STS-1450-C-2031  
SHT OF

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



REGISTERED PROFESSIONAL ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA

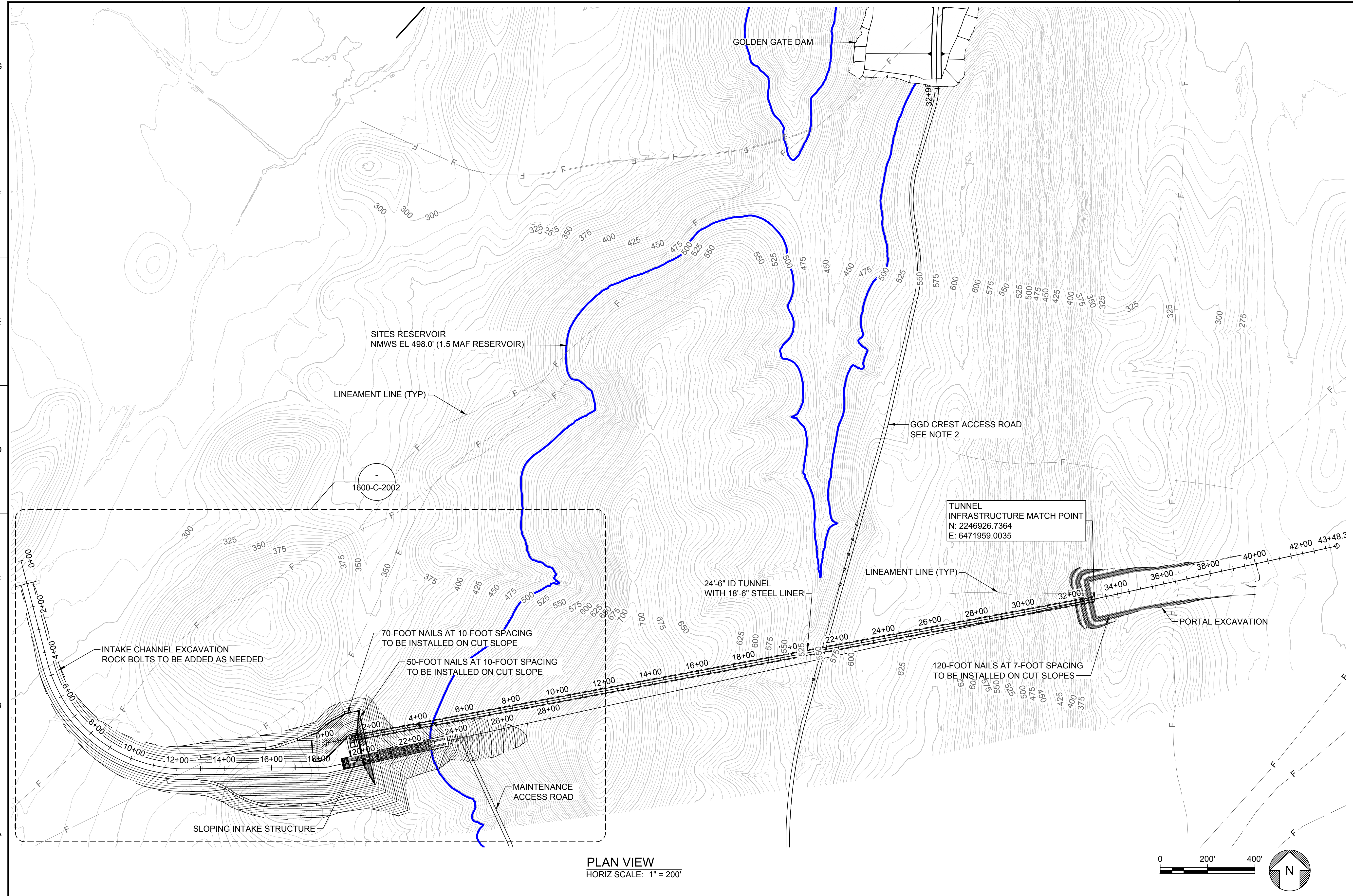


REV	DATE	BY	CHK.	APPR.	DESCRIPTION

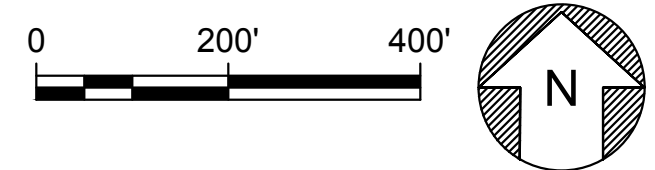
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Saved By: LINDSAY REID  
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Plot Date: 3/22/2024 11:08 AM File: C:\pwworking\hdr\_sites\_reservoir\dmso1504\STS-1600-C-2001.dwg  
 Saved By: KRISTINE PALMISANO



PLAN VIEW  
 HORIZ SCALE: 1" = 200'



- GENERAL NOTES**
- CONVEYANCE INFRASTRUCTURE MATCH POINTS LOCATED 5 FT FROM DOWNSTREAM TUNNEL PORTAL
  - GGD CREST ACCESS ROAD AND MAINTENANCE ROAD TO I/O INTAKE STRUCTURE TO BE DEVELOPED ONCE PRELIMINARY DAM LAYOUT IS APPROVED.

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

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

REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA



**SITES RESERVOIR**  
 INLET/OUTLET FACILITIES  
 CIVIL  
 GENERAL ARRANGEMENT

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

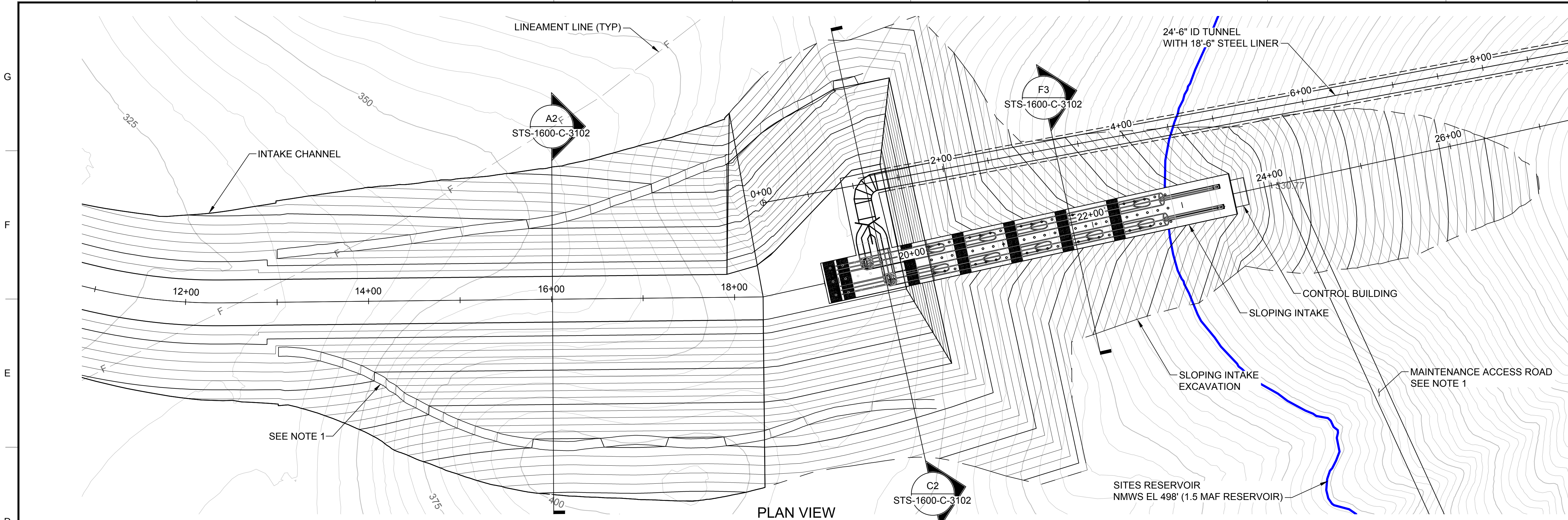
0 200 400 1"

DRAWING NO.  
 STS-1600-C-2001  
 SHEET OF

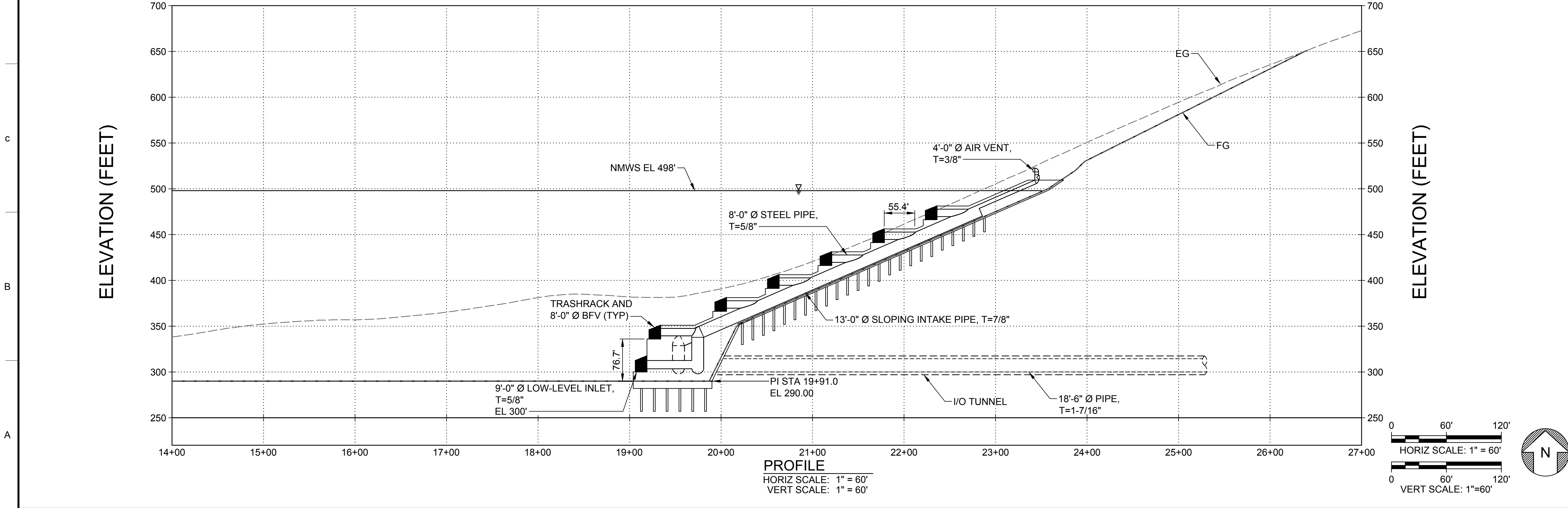
30% SUBMITTAL - NOT FOR CONSTRUCTION

**GENERAL NOTES**

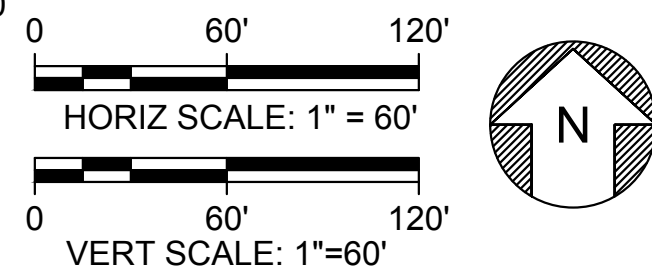
- DESIGN FOR MAINTENANCE ACCESS ROAD TO SLOPING INTAKE TO BE DEVELOPED ONCE GEOTECHNICAL DATA IS AVAILABLE TO CONFIRM STRUCTURE EXCAVATION EXTENTS.



**PLAN VIEW**  
HORIZ SCALE: 1" = 60'



**PROFILE**  
HORIZ SCALE: 1" = 60'  
VERT SCALE: 1" = 60'



Plot Date: 3/22/2024 11:37 AM File: C:\pwworking\hdr\_sites\_reservoir\dms01504\STS-1600-C-20202.dwg Saved By: LECUSER

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

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

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M. SMITH  
C 42978  
CALIFORNIA



**SITES RESERVOIR**  
INLET OUTLET FACILITIES  
CIVIL  
INTAKE CHANNEL AND STRUCTURE

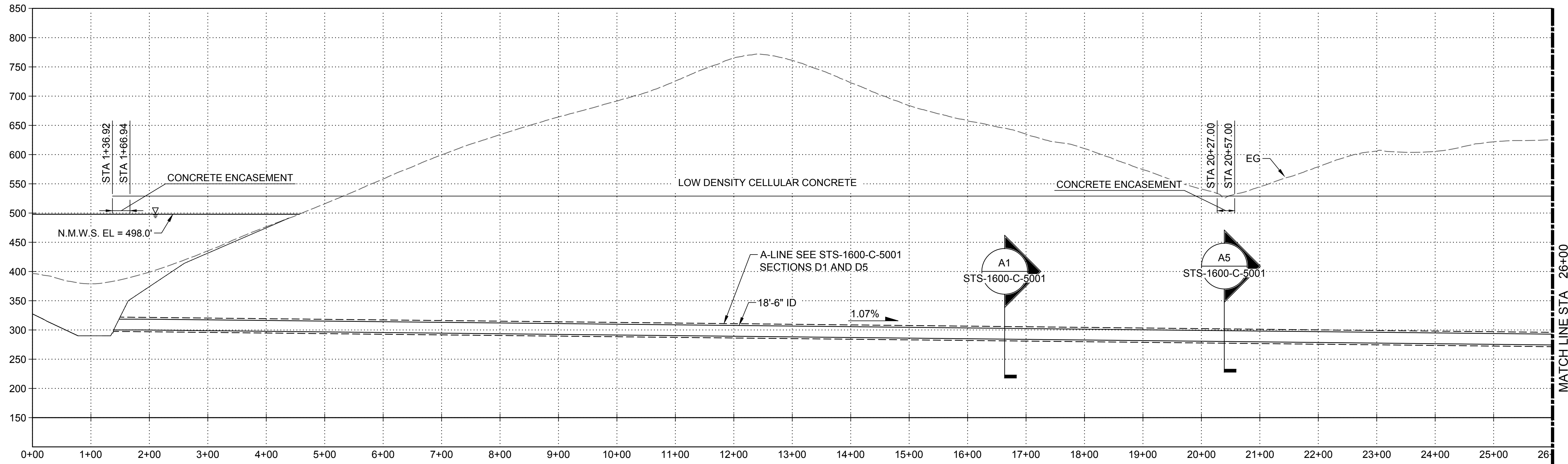
VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

0 1" 120'

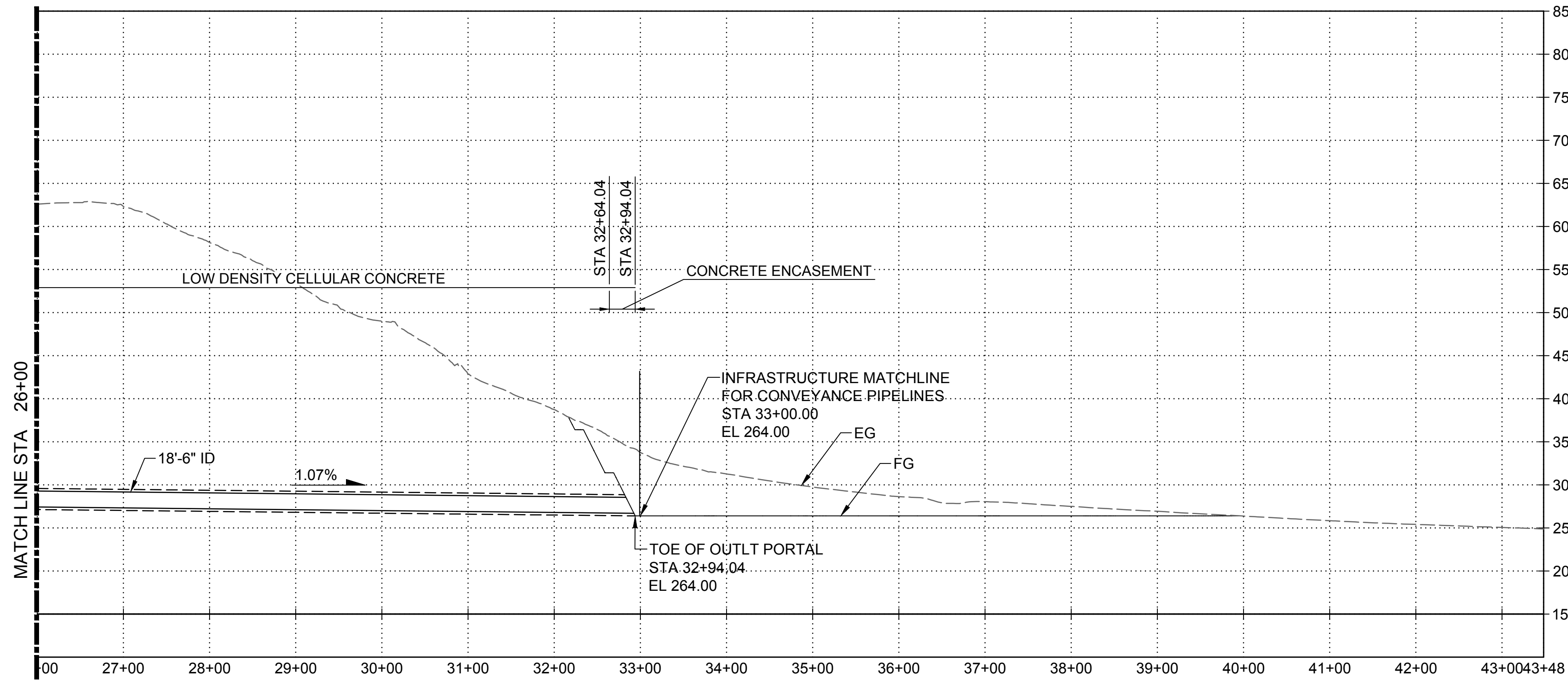
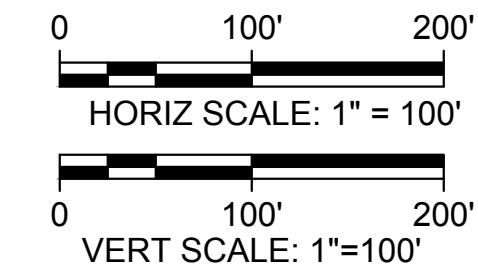
DRAWING NO.  
STS-1600-C-2002  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

ELEVATION (FEET)



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



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

ELEVATION (FEET)

Plot Date: 3/22/2024 1:43 PM  
 Saved By: LECLUSER  
 File: C:\pwworking\hdr\_sites\_reservoir\dmso1504\STS-1600-C-3001.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  
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 CALIFORNIA



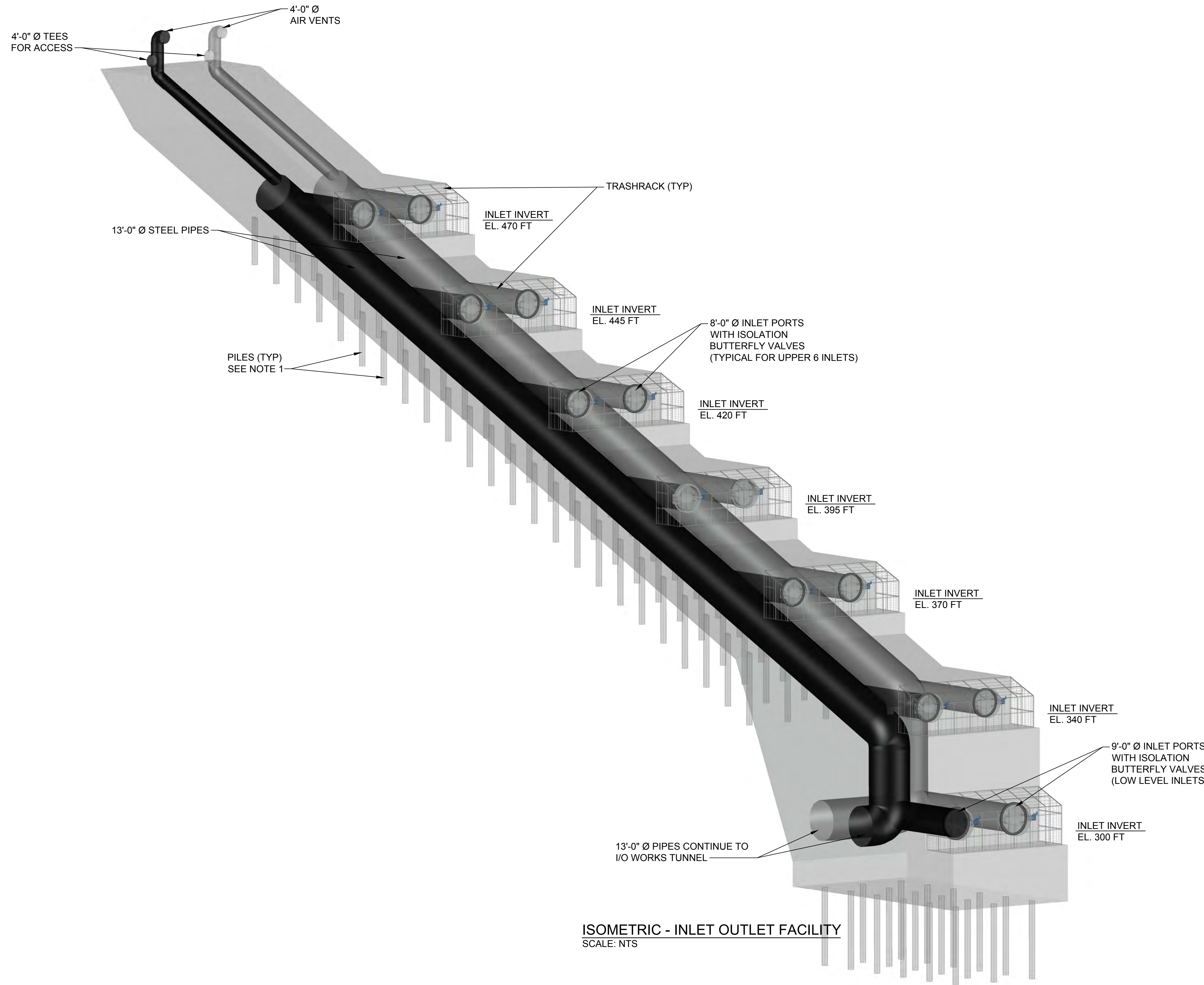
SITES RESERVOIR  
 INLET OUTLET FACILITIES  
 CIVIL  
 TUNNEL PROFILE

VERIFY SCALES <small>BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.</small>
DRAWING NO. STS-1600-C-3001 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

**GENERAL NOTES:**

- PILES ARE ASSUMED TO BE 2 FT IN DIAMETER AND SPACED 15 FT IN THE TRANSVERSE DIRECTION AND 11.5 FT IN THE LONGITUDINAL DIRECTION. DEPTH OF PILES WILL VARY ALONG THE SLOPE, NEAR THE TOP OF THE STRUCTURE PILES WOULD BE 15 FT WHILE THOSE AT THE BASE WOULD BE 25 FT.



**ISOMETRIC - INLET OUTLET FACILITY**  
SCALE: NTS

Plot Date: 3/22/2024 2:01 PM  
 Saved By: LINDSAY REID  
 File: C:\pwworking\hdr\_sites\_reservoir\dwg\1504\STS-1600-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



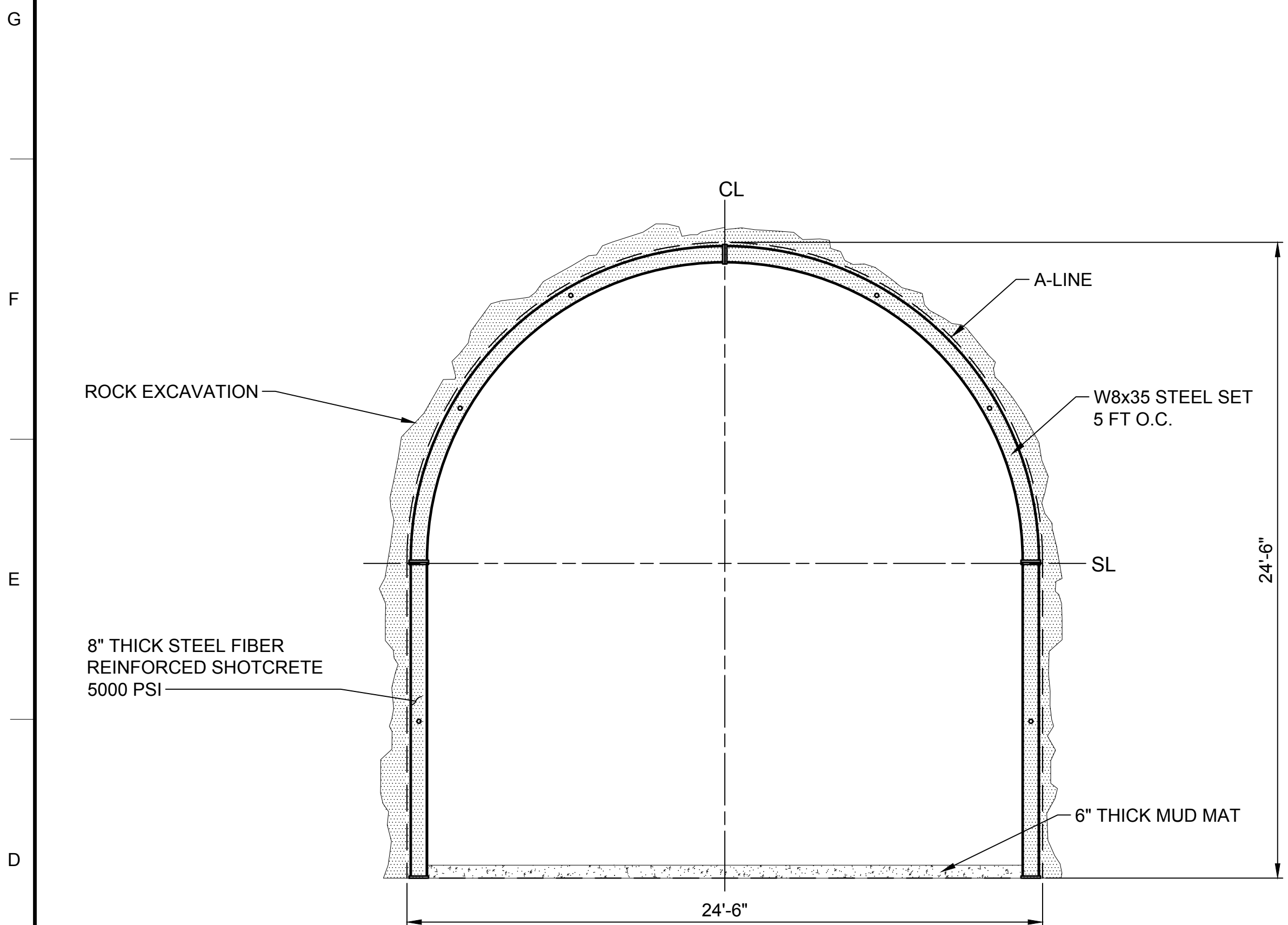
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA



<b>SITES RESERVOIR</b>	
INLET OUTLET FACILITIES CIVIL	
INTAKE STRUCTURE ISOMETRIC VIEW	

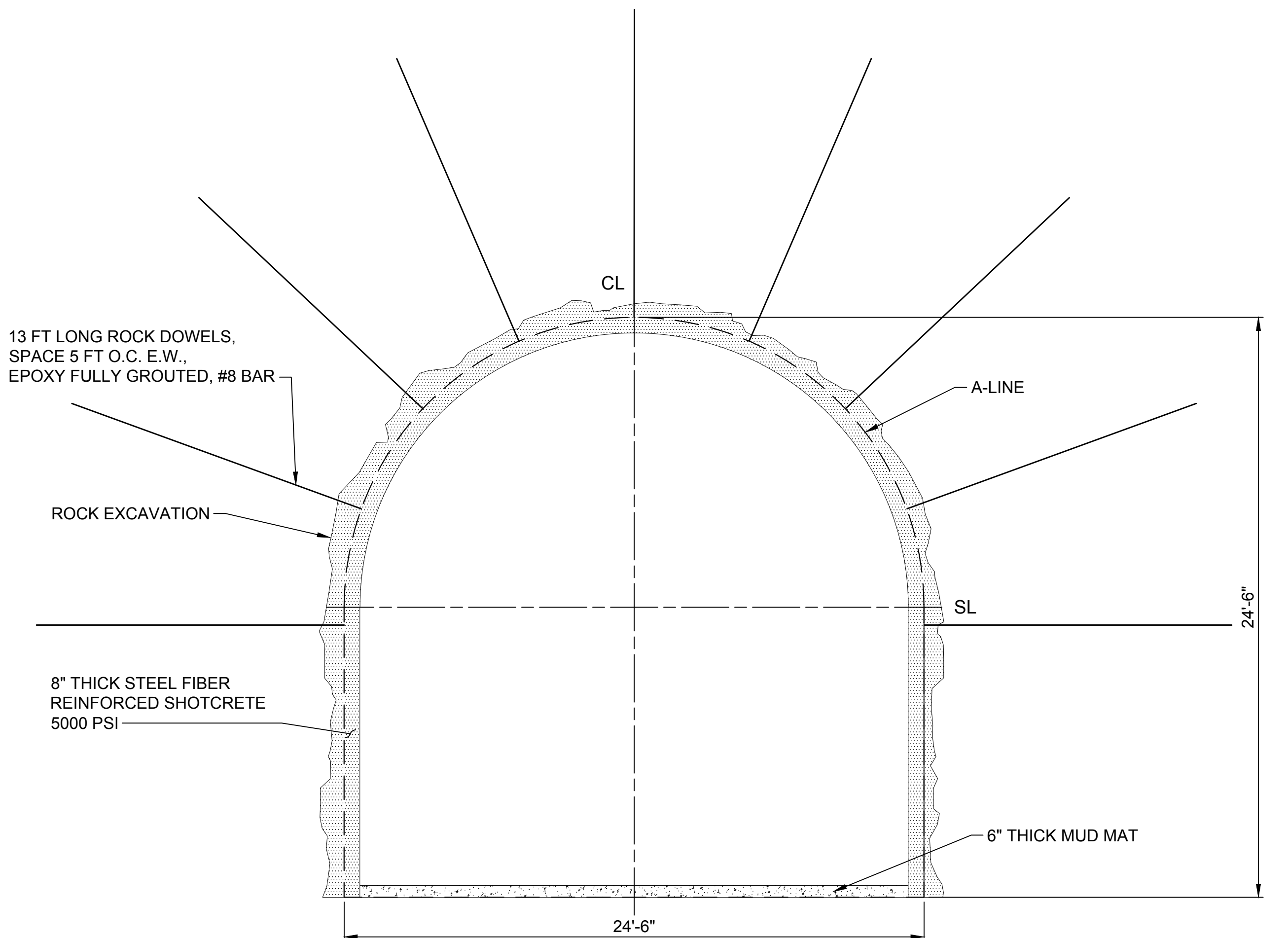
**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
  
 DRAWING NO.  
 STS-1600-C-3101  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



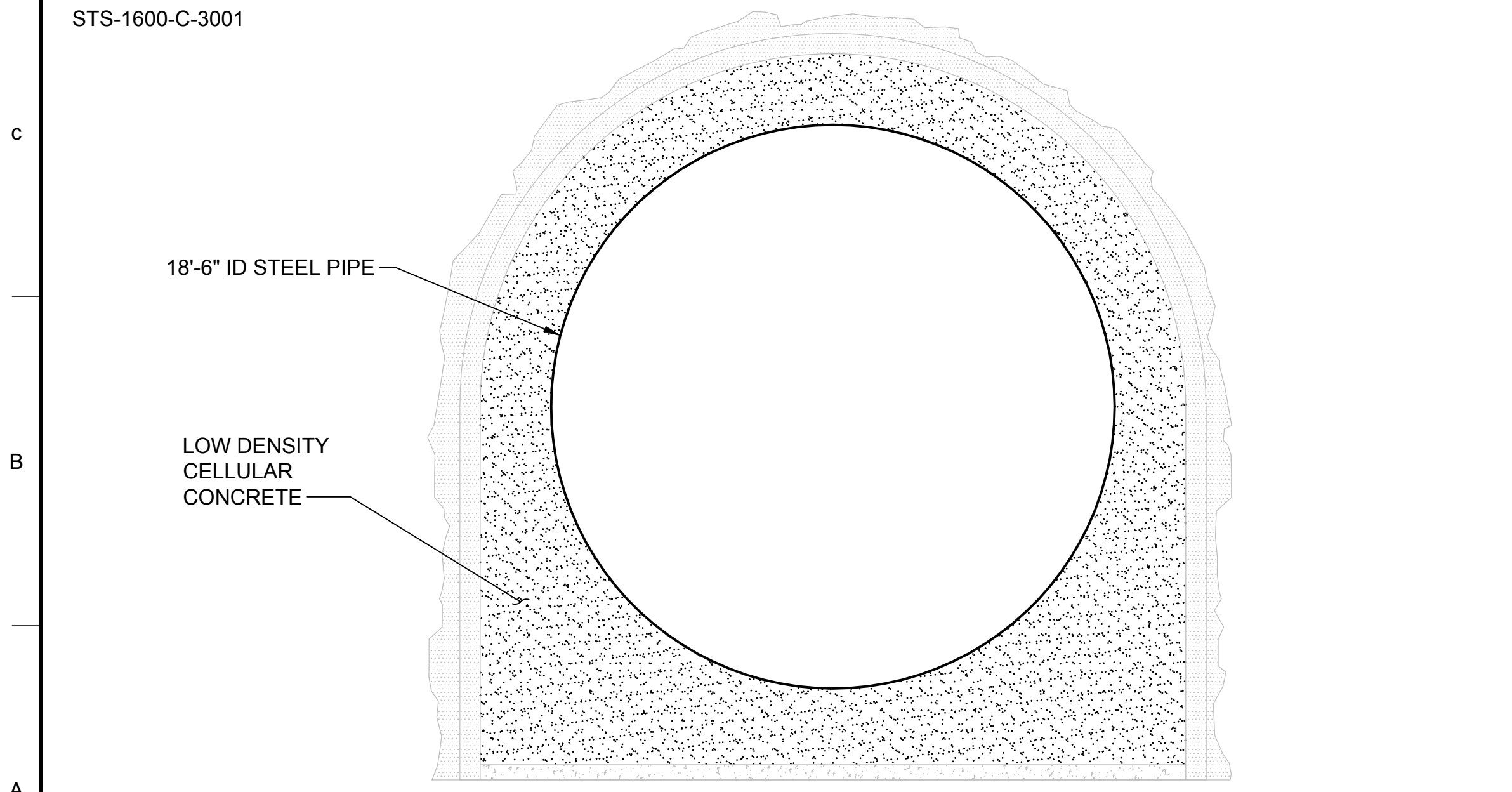
**D1** SECTION - INITIAL SUPPORT, STEEL SET OPTION  
SCALE: 1/4" = 1'-0"

STS-1600-C-3001



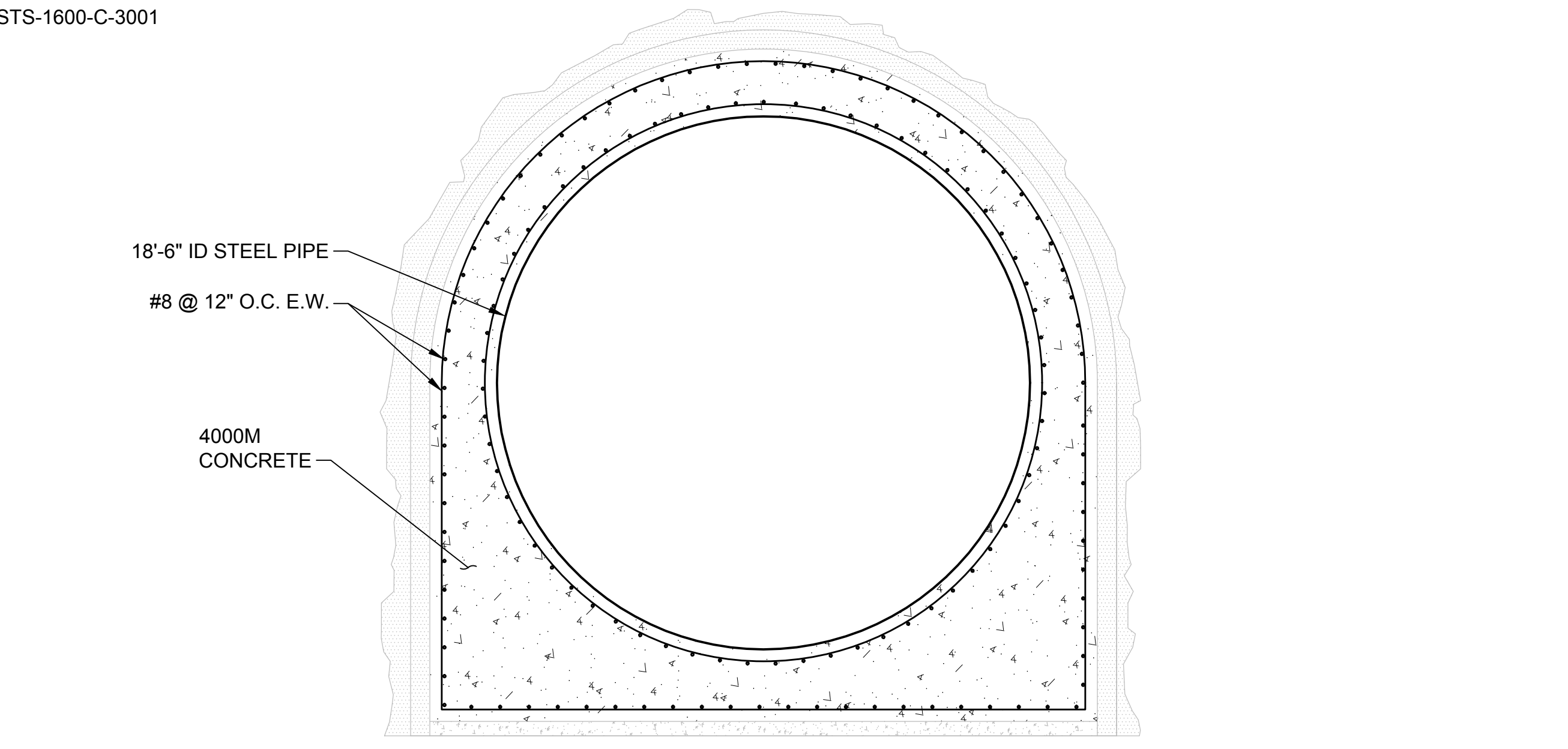
**D5** SECTION - INITIAL SUPPORT, ROCK DOWEL OPTION  
SCALE: 1/4" = 1'-0"

STS-1600-C-3001



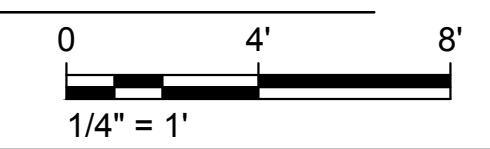
**A1** SECTION - FINAL LINING, LDCC  
SCALE: 1/4" = 1'-0"

STS-1600-C-3001



**A5** SECTION - FINAL LINING, CONCRETE ENCASEMENT  
SCALE: 1/4" = 1'-0"

STS-1600-C-3001



Plot Date: 3/22/2024 2:06 PM  
Saved By: LEC/LUSER  
File: C:\pwworking\hdr\_sites\_reservoir\dms01504\STS-1600-C-5001.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



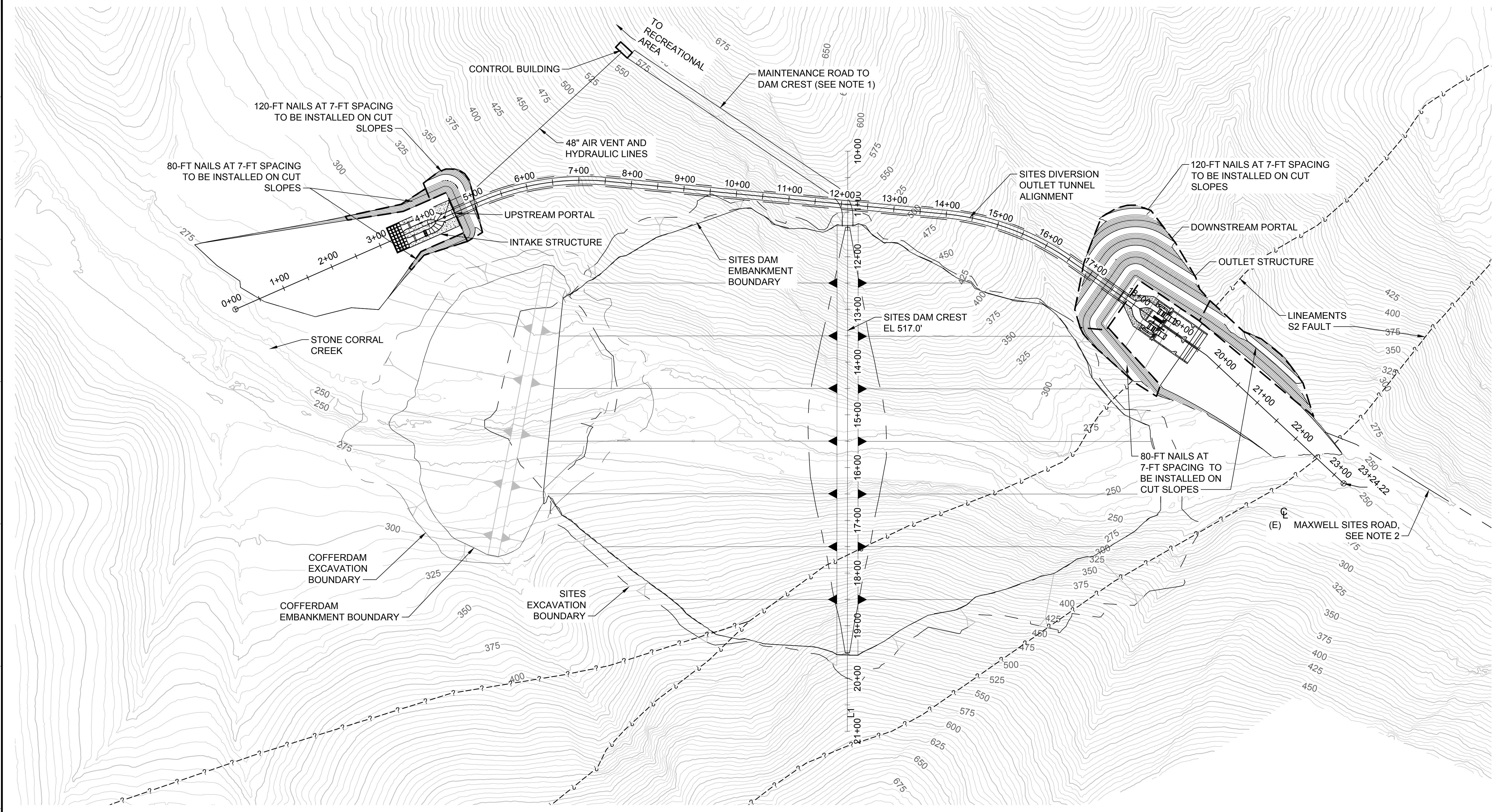
**SITES RESERVOIR**  
INLET/OUTLET FACILITIES  
CIVIL  
TUNNEL CROSS SECTIONS

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL  
DRAWING. ADJUST SCALES FOR  
REDUCED PLOTS  
DRAWING NO.  
STS-1600-C-5001  
SHT OF

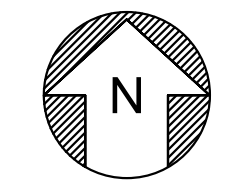
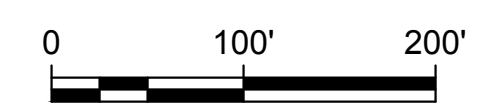
30% SUBMITTAL - NOT FOR CONSTRUCTION

**GENERAL NOTES**

1. MAINTENANCE ROAD FROM STONE CORRAL RECREATION AREA TO SITES DAM CREST TO BE DEVELOPED ONCE PRELIMINARY DAM LAYOUT IS APPROVED.
2. ACCESS TO INSTRUMENTATION AT TOE OF DAM AND OUTLET STRUCTURE, VIA MAXWELL SITES ROAD, TO BE DEVELOPED ONCE PRELIMINARY DAM LAYOUT IS APPROVED. ACCESS INTO OUTLET STRUCTURE WILL BE DESIGNED IN ACCORDANCE WITH LOCALIZED GRADING PLAN AND ACCESS ROAD PLAN. A BRIDGE OR FORD STRUCTURE MAY BE REQUIRED FOR ACCESS.



**PLAN - SITES DAM DIVERSION OUTLET**  
SCALE: 1" = 100'



KEY MAP

File: C:\pwworking\hdf\_sites\_reservoir\dms01393\STS-1610-C-2001.dwg  
Plot Date: 3/25/2024 2:10 PM  
Saved By: LECLUSER

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



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ENGINEER  
M. SMITH  
C 42978  
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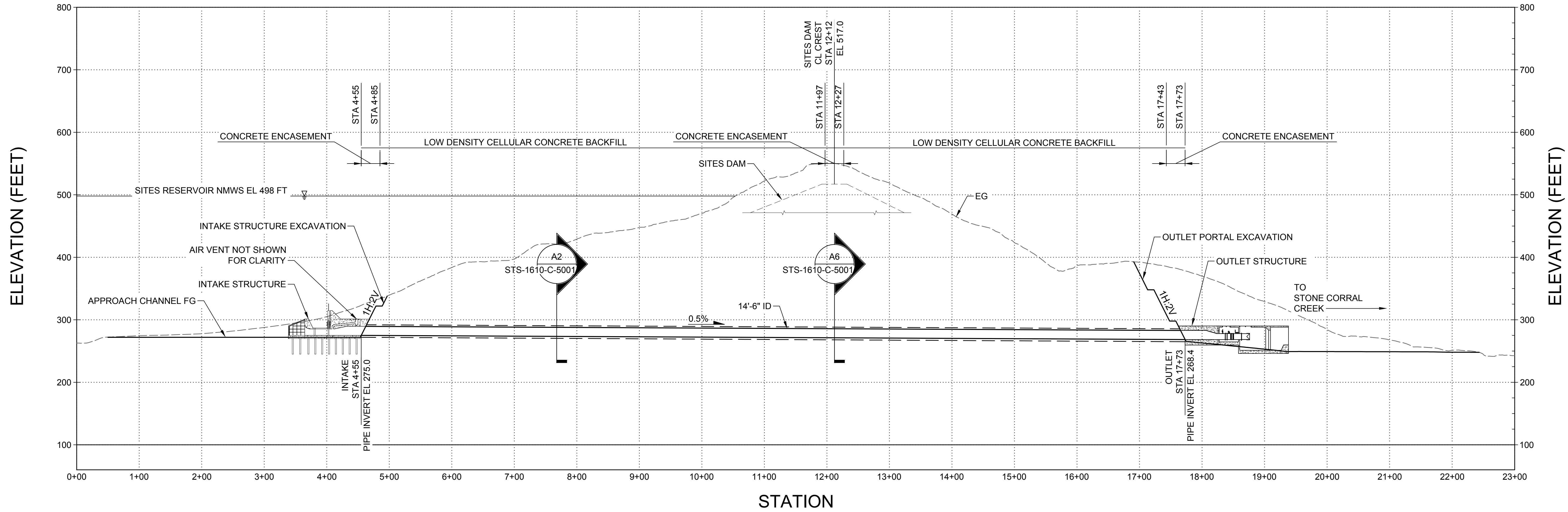


**SITES RESERVOIR**  
SITES DIVERSION OUTLET  
CIVIL  
PLAN VIEW

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL  
DRAWING. ADJUST SCALES FOR  
REDUCED PLOTS  
0 100 200 1"  
DRAWING NO.  
STS-1610-C-2001  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

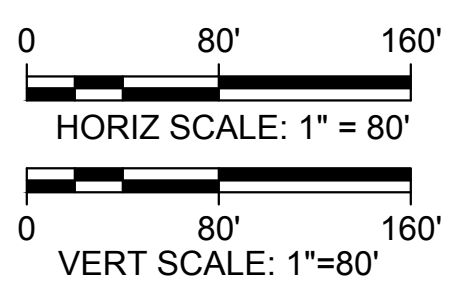




PROFILE - SITES DAM DIVERSION OUTLET  
SCALE: 1" = 80'

**GENERAL NOTES:**

- CONSTRUCTION OF THE DIVERSION COMPONENTS WILL BE PERFORMED IN STAGES TO MEET SCHEDULE REQUIREMENTS AND TO OPTIMIZE SEQUENCING. INITIAL CREEK DIVERSION MAY BE THROUGH THE TUNNEL PRIOR TO INSTALLING PERMANENT LINING. INSTALLATION OF THE STEEL LINING, AND INTAKE AND OUTLET STRUCTURES CONSTRUCTION MAY TAKE PLACE LATER AS DAM CONSTRUCTION PROGRESSES.



Plot Date: 3/7/2024 1:13 PM  
 Saved By: LARSEN  
 File: C:\pwworking\hdx\_sites\_reservoir\dms01393\STS-1610-C-3001.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

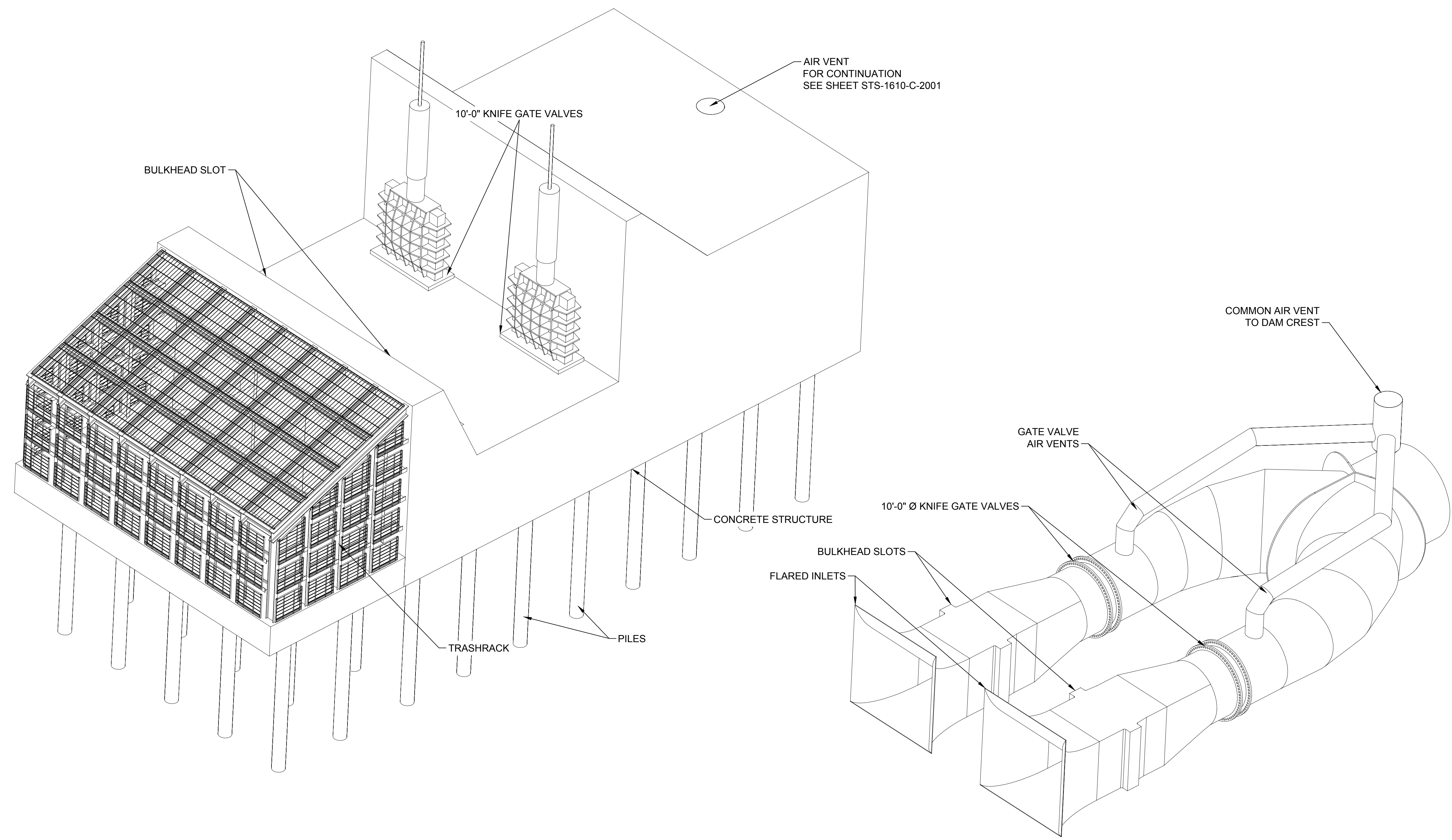


**SITES RESERVOIR**  
 SITES DIVERSION OUTLET  
 CIVIL  
 PROFILE

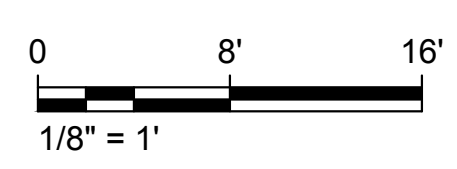
VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS. 0 80' 160' 1"
DRAWING NO. STS-1610-C-3001 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

G  
F  
E  
D  
C  
B  
A



ISOMETRIC - SITES DAM DIVERSION OUTLET INTAKE STRUCTURE  
SCALE: 1/8"=1'-0"



Plot Date: 2/29/2024 3:40 PM  
Saved By: LARSEN

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

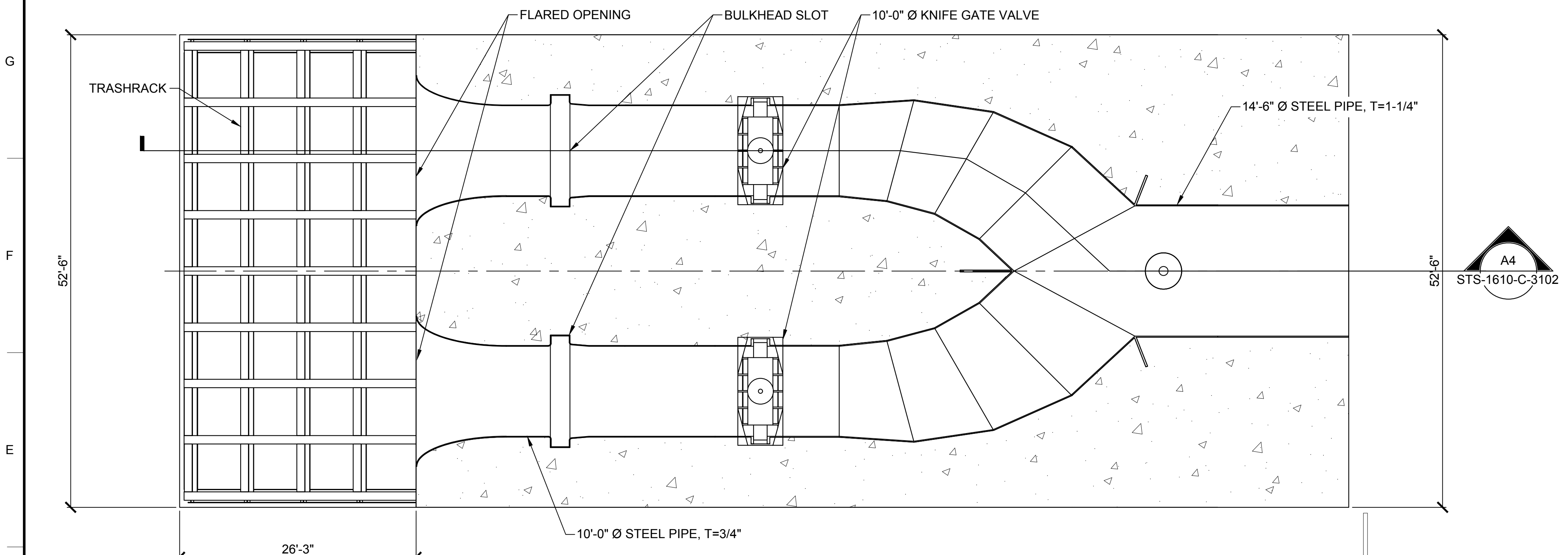


SITES RESERVOIR

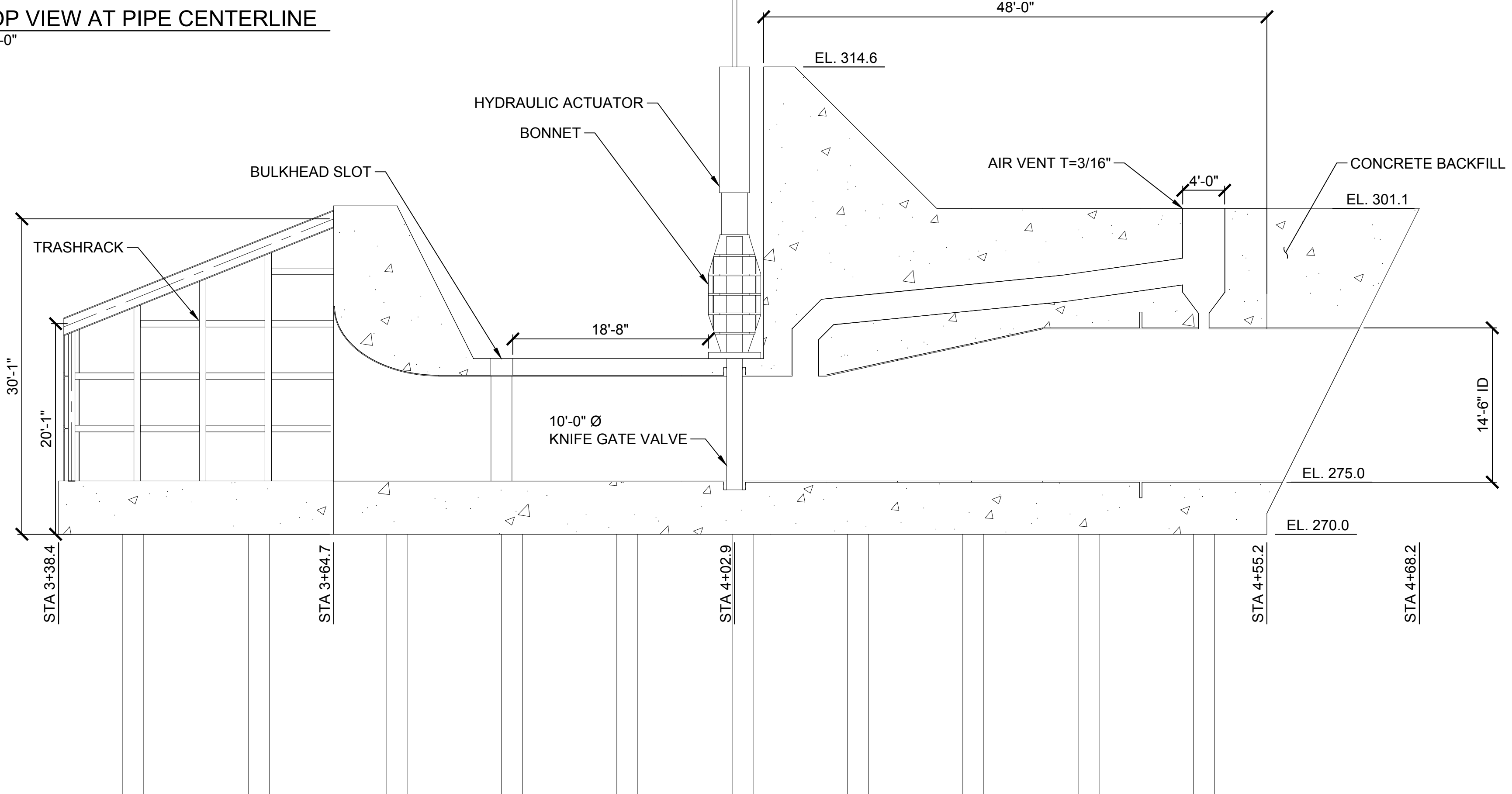
SITES DIVERSION OUTLET  
CIVIL  
INTAKE STRUCTURE ISOMETRIC VIEWS

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
0 1"
DRAWING NO.
STS-1610-C-3101
SHT OF

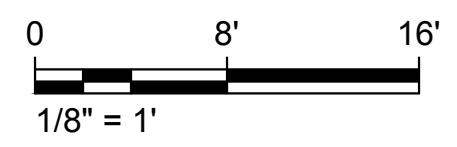
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN - TOP VIEW AT PIPE CENTERLINE  
SCALE: 1/8" = 1'-0"



A4 SECTION - SITES DAM DIVERSION OUTLET INTAKE STRUCTURE  
SCALE: 1/8" = 1'-0"



STS-1610-C-3102

Plot Date: 3/7/2024 1:28 PM  
Saved By: LARSEN  
File: C:\pwworking\hdr\_sites\_reservoir\dms01393\STS-1610-C-3102.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

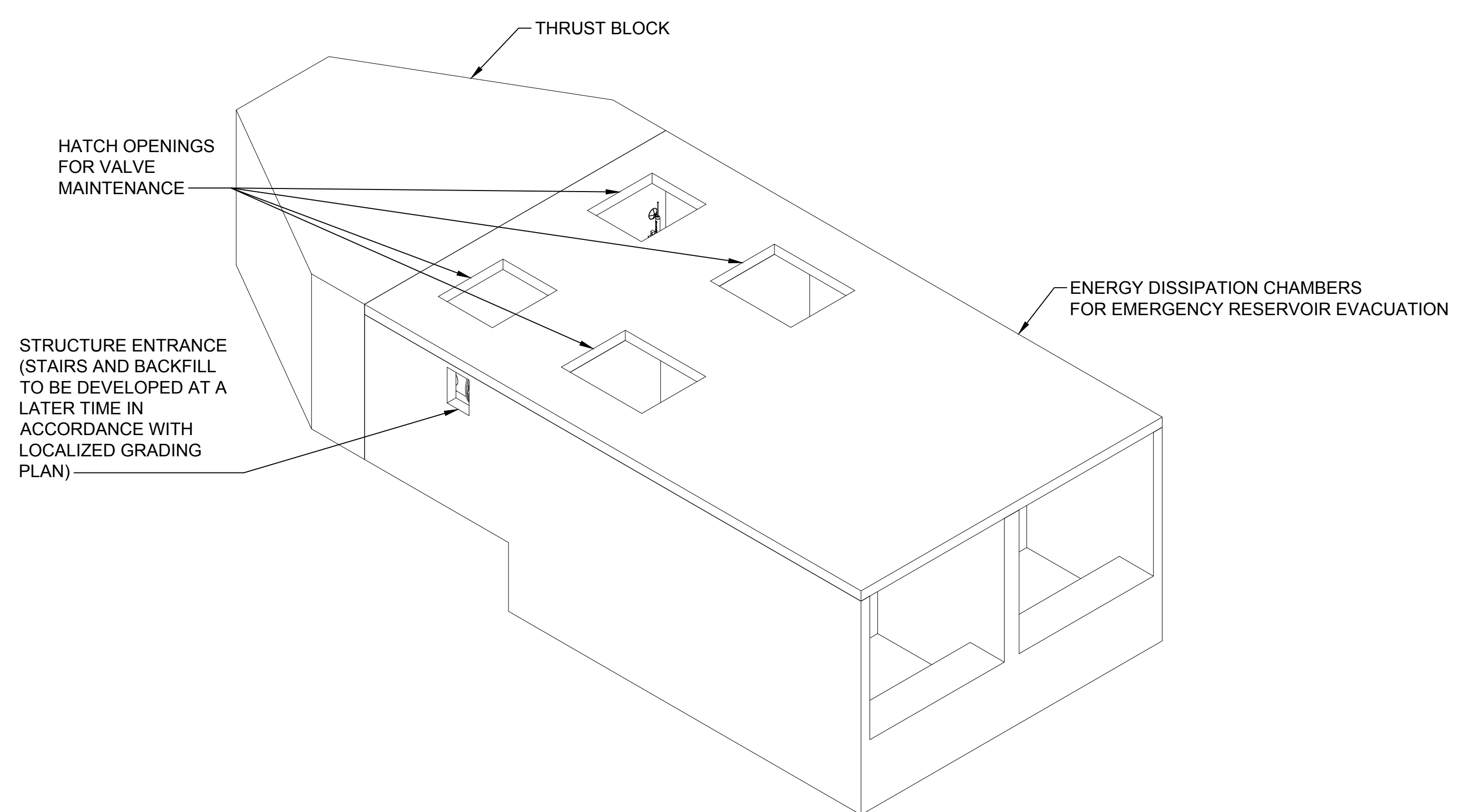
REGISTERED  
PROFESSIONAL  
ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA



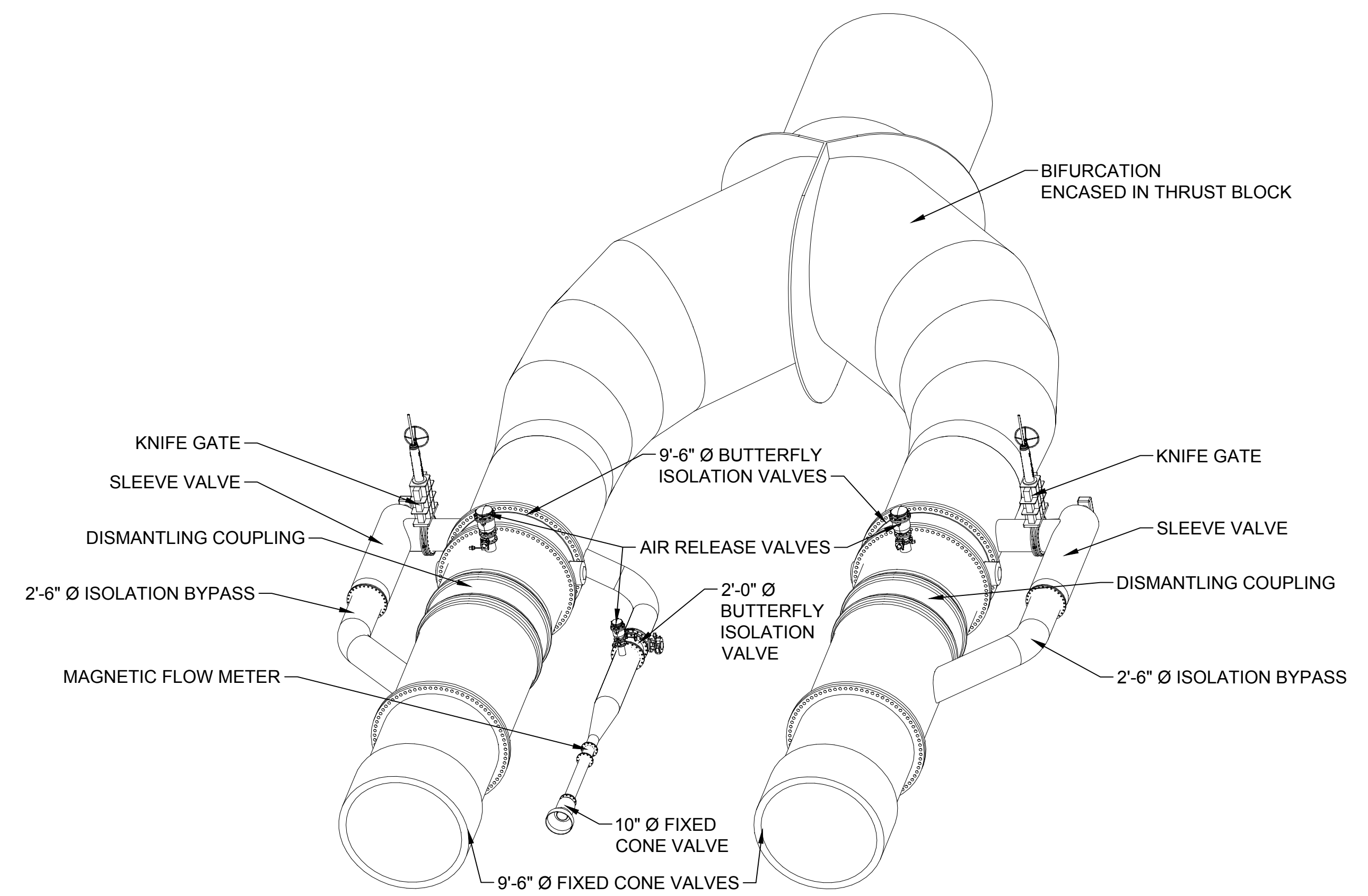
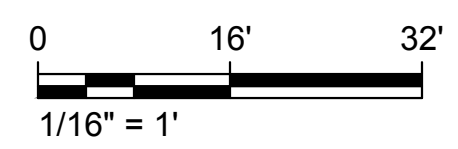
**SITES RESERVOIR**  
SITES DIVERSION OUTLET  
CIVIL  
INTAKE STRUCTURE SECTIONS

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
0 8 16' 1/8" = 1'
DRAWING NO. STS-1610-C-3102 SHT OF

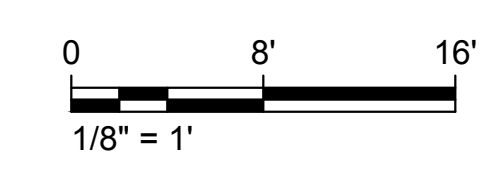
30% SUBMITTAL - NOT FOR CONSTRUCTION



ISOMETRIC - SITES DAM DIVERSION OUTLET STRUCTURE  
SCALE: 1/16"=1'-0"



ISOMETRIC - SITES DAM DIVERSION OUTLET MECHANICAL COMPONENTS  
SCALE: 1/8"=1'-0"



File: C:\pwworking\hdr\_sites\_reservoir\dms01393\STS-1610-C-3103.dwg  
Plot Date: 3/7/2024 1:22 PM  
Saved By: LARSEN

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



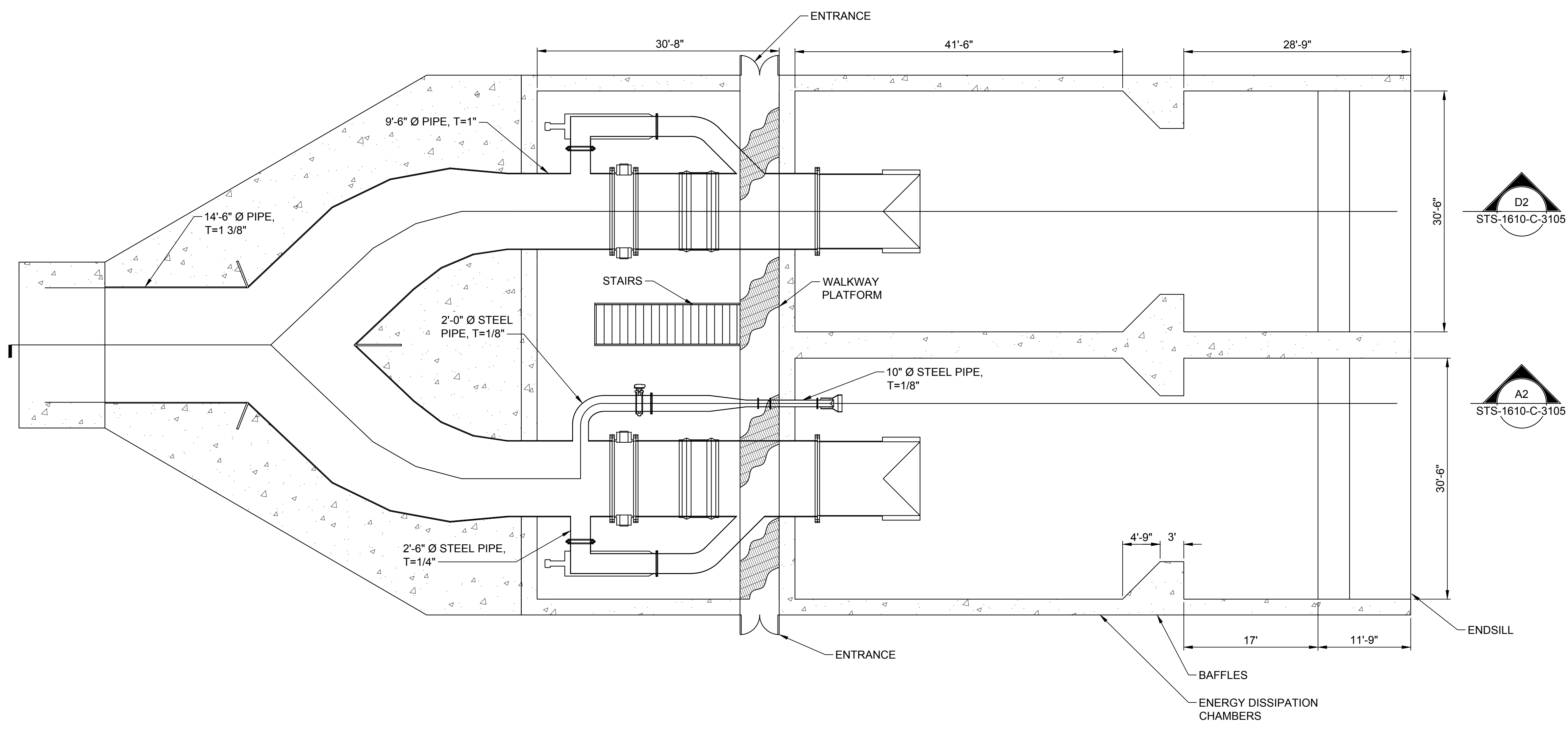
**SITES RESERVOIR**  
SITES DIVERSION OUTLET CIVIL  
OUTLET STRUCTURE ISOMETRIC VIEWS

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO. STS-1610-C-3103
SHT OF

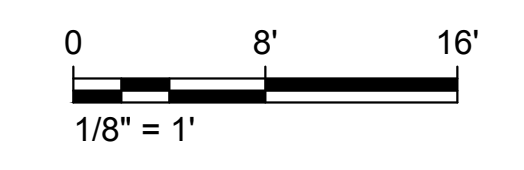
30% SUBMITTAL - NOT FOR CONSTRUCTION

**GENERAL NOTES**

1. SEE SHEET STS-1610-C-3103 FOR VALVE AND FLOW METER CALLOUTS



**PLAN - TOP VIEW**  
SCALE: 1/8"=1'-0"



Plot Date: 3/7/2024 1:26 PM  
Saved By: LARSEN

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

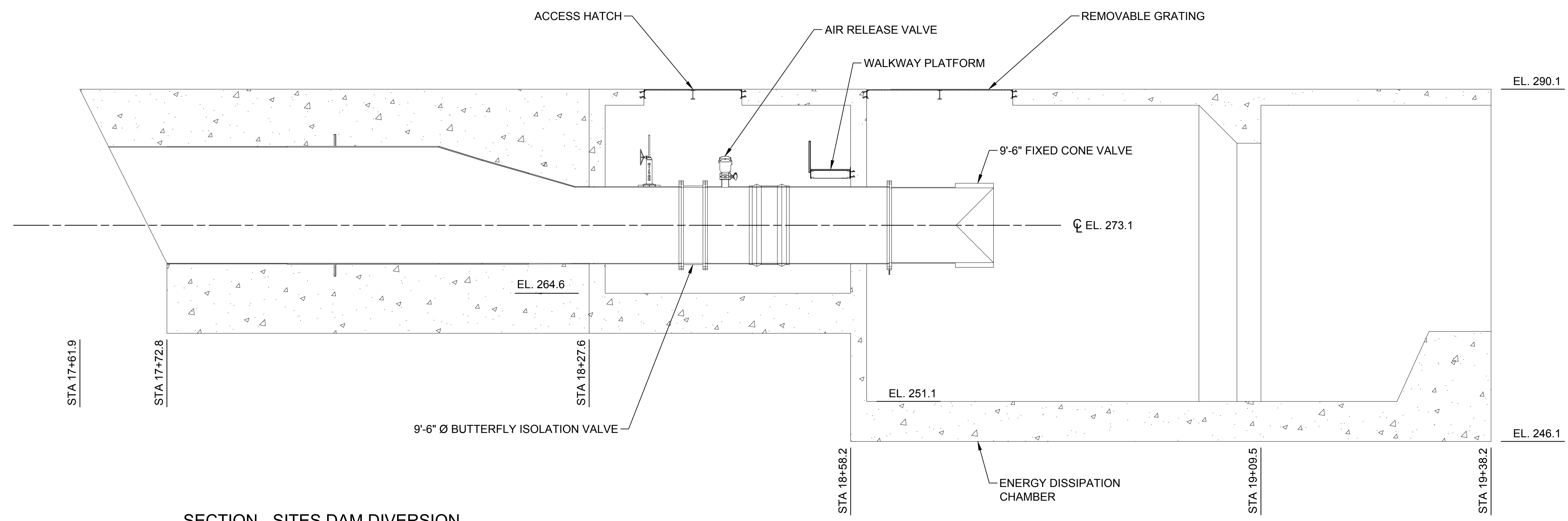


**SITES RESERVOIR**  
SITES DIVERSION OUTLET  
CIVIL  
OUTLET STRUCTURE PLAN

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
0 8 16 1/8" = 1'
DRAWING NO. STS-1610-C-3104 SHT OF

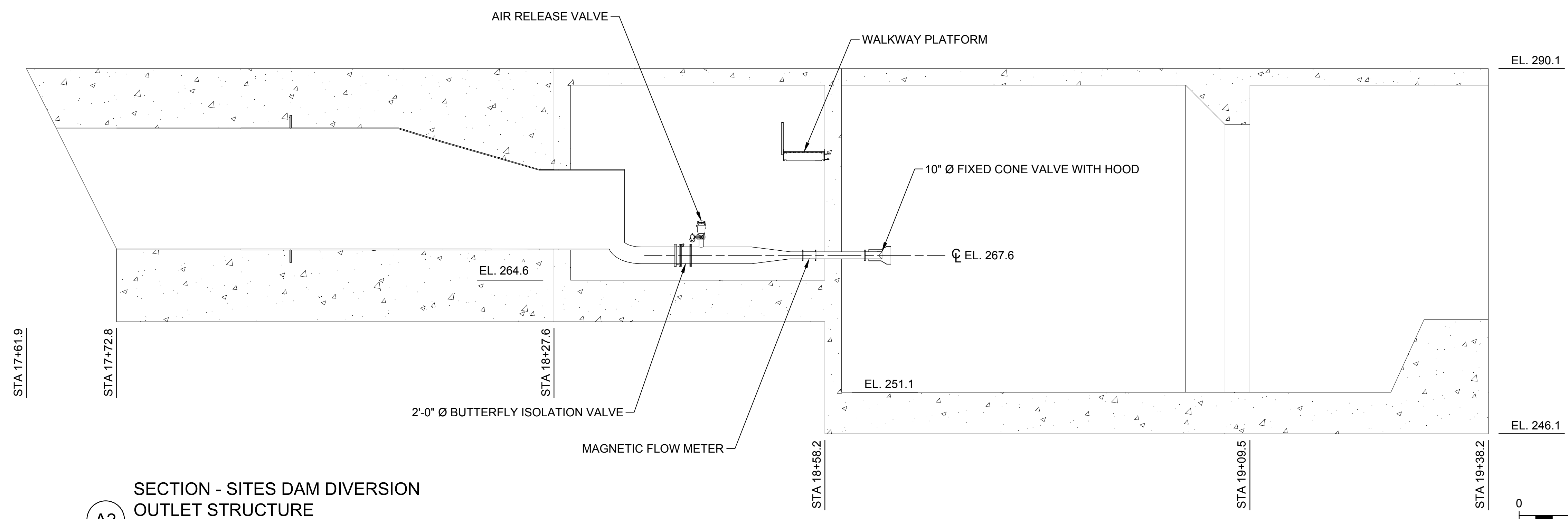
30% SUBMITTAL - NOT FOR CONSTRUCTION

G  
F  
E  
D  
C  
B  
A



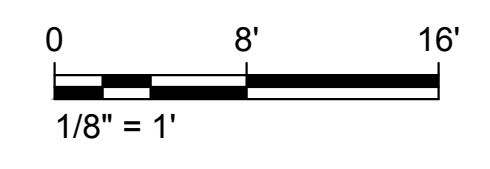
**D2**  
SECTION - SITES DAM DIVERSION  
OUTLET STRUCTURE  
SCALE: 1/8" = 1'-0"

STS-1610-C-3104



**A2**  
SECTION - SITES DAM DIVERSION  
OUTLET STRUCTURE  
SCALE: 1/8" = 1'-0"

STS-1610-C-3104



Plot Date: 3/7/2024 1:31 PM  
Saved By: LARSEN

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

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PROFESSIONAL  
ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA



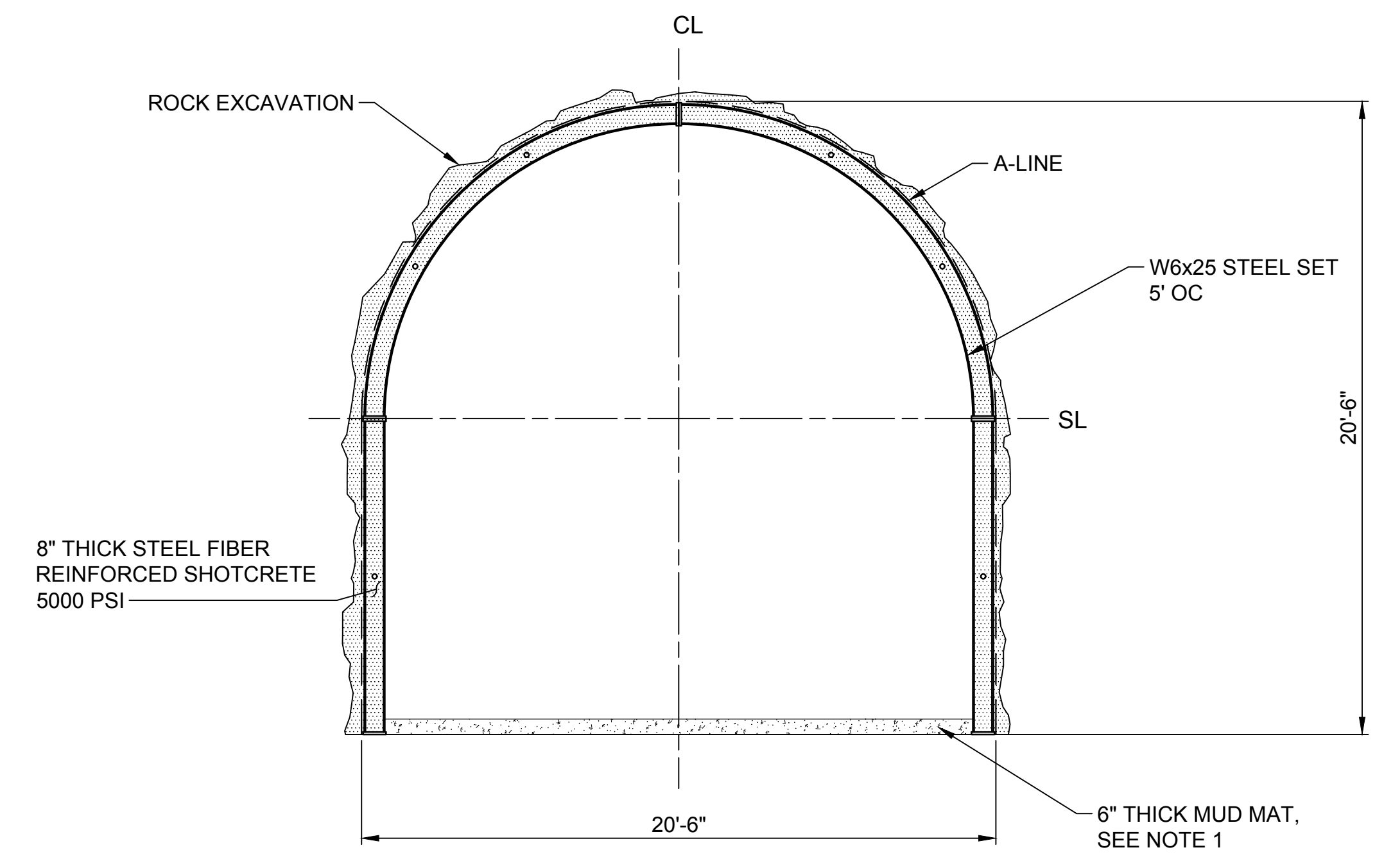
**SITES RESERVOIR**  
SITES DIVERSION OUTLET  
CIVIL  
OUTLET STRUCTURE SECTIONS

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL  
DRAWING. ADJUST SCALES FOR  
REDUCED PLOTS  
DRAWING NO.  
STS-1610-C-3105  
SHT OF

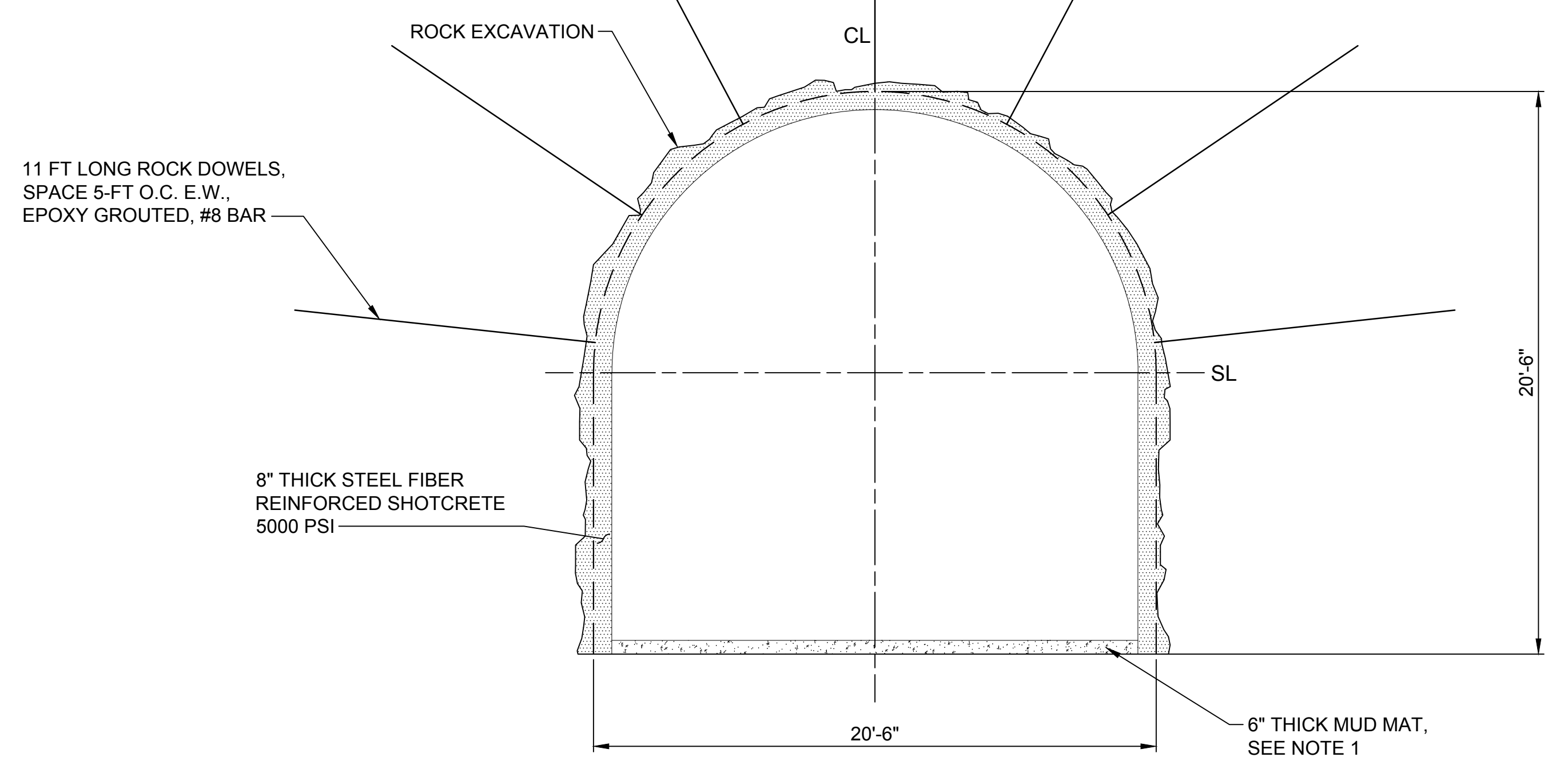
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**GENERAL NOTES**

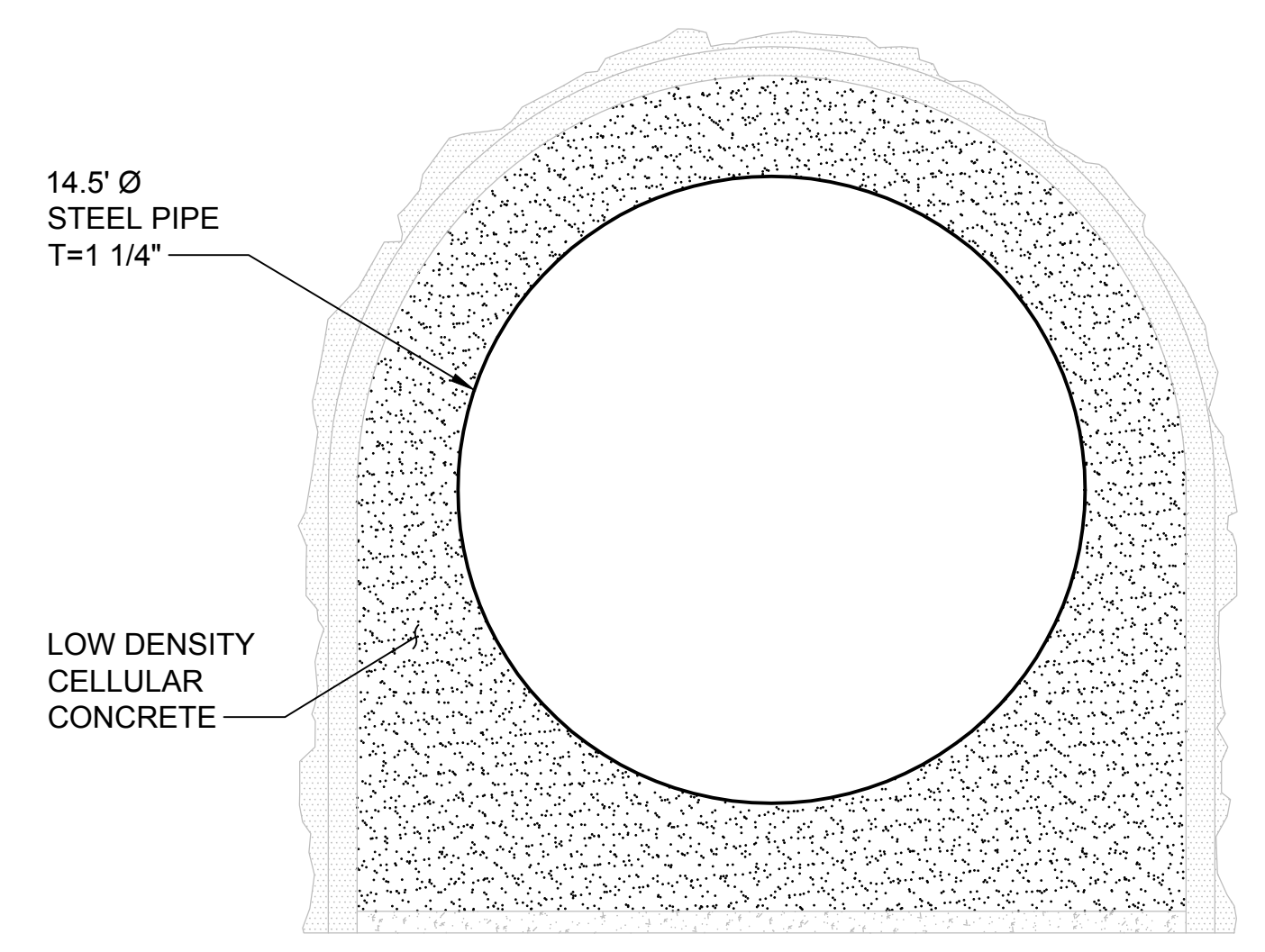
- IMPROVEMENTS IN ADDITION TO MUD MAT WILL BE REQUIRED IF DIVERSION FLOWS ARE RUN THROUGH THE TUNNEL PRIOR TO INSTALLING FINAL STEEL LINING.



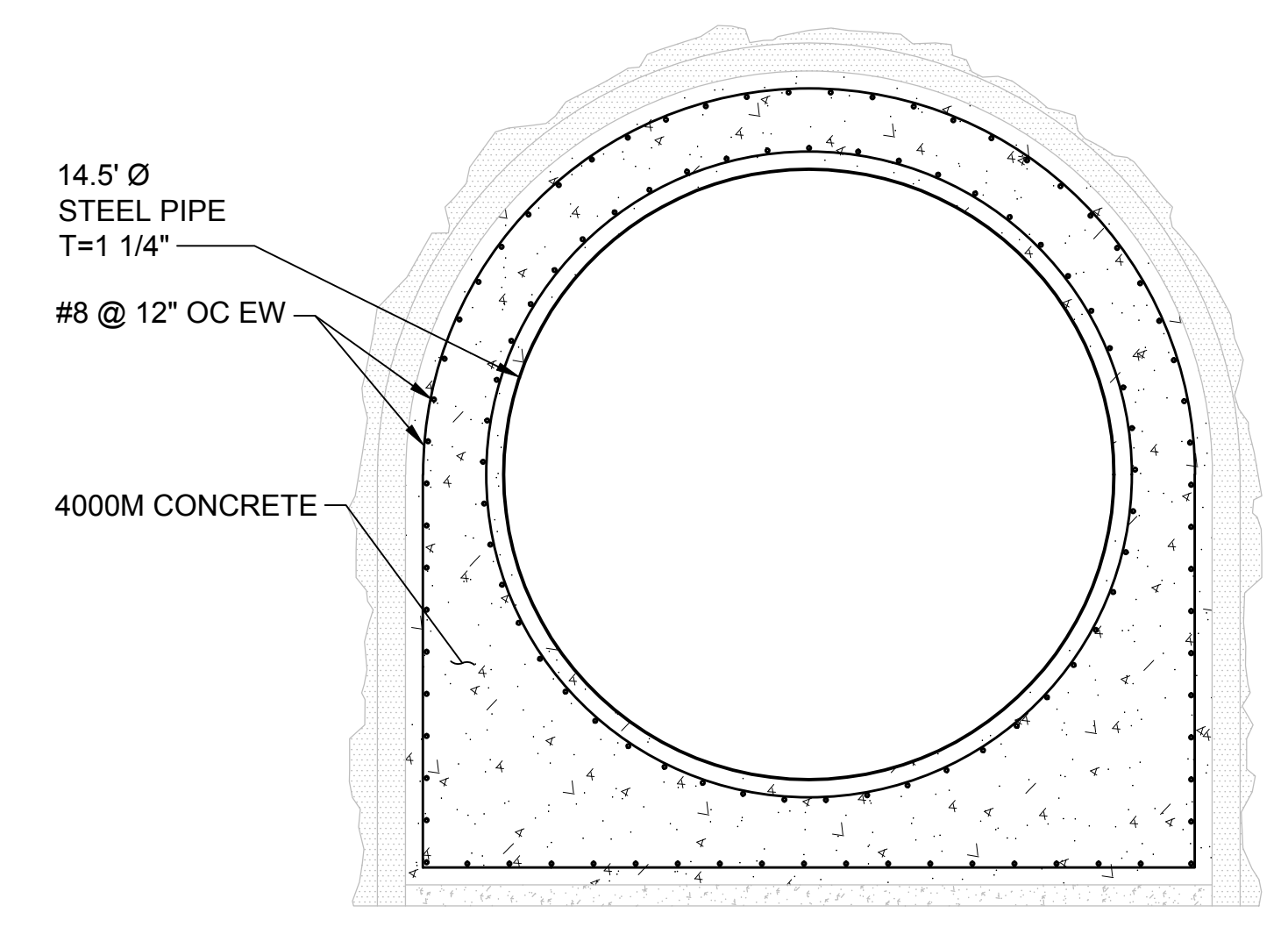
**SECTION - INITIAL SUPPORT  
STEEL SET OPTION**  
D2  
SCALE: 1/4" = 1'-0"  
STS-1610-C-2001



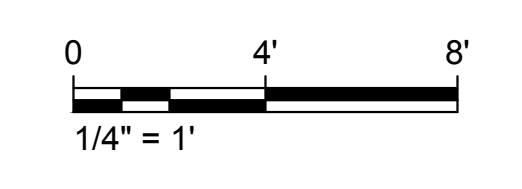
**SECTION - INITIAL SUPPORT  
ROCK DOWEL OPTION**  
D6  
SCALE: 1/4" = 1'-0"  
STS-1610-C-2001



**SECTION - FINAL LINING  
LDCC**  
A2  
SCALE: 1/4" = 1'-0"  
STS-1610-C-2001



**SECTION - FINAL LINING  
CONCRETE ENCASEMENT**  
A6  
SCALE: 1/4" = 1'-0"  
STS-1610-C-2001



Plot Date: 3/7/2024 1:35 PM  
Saved By: LARSEN

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

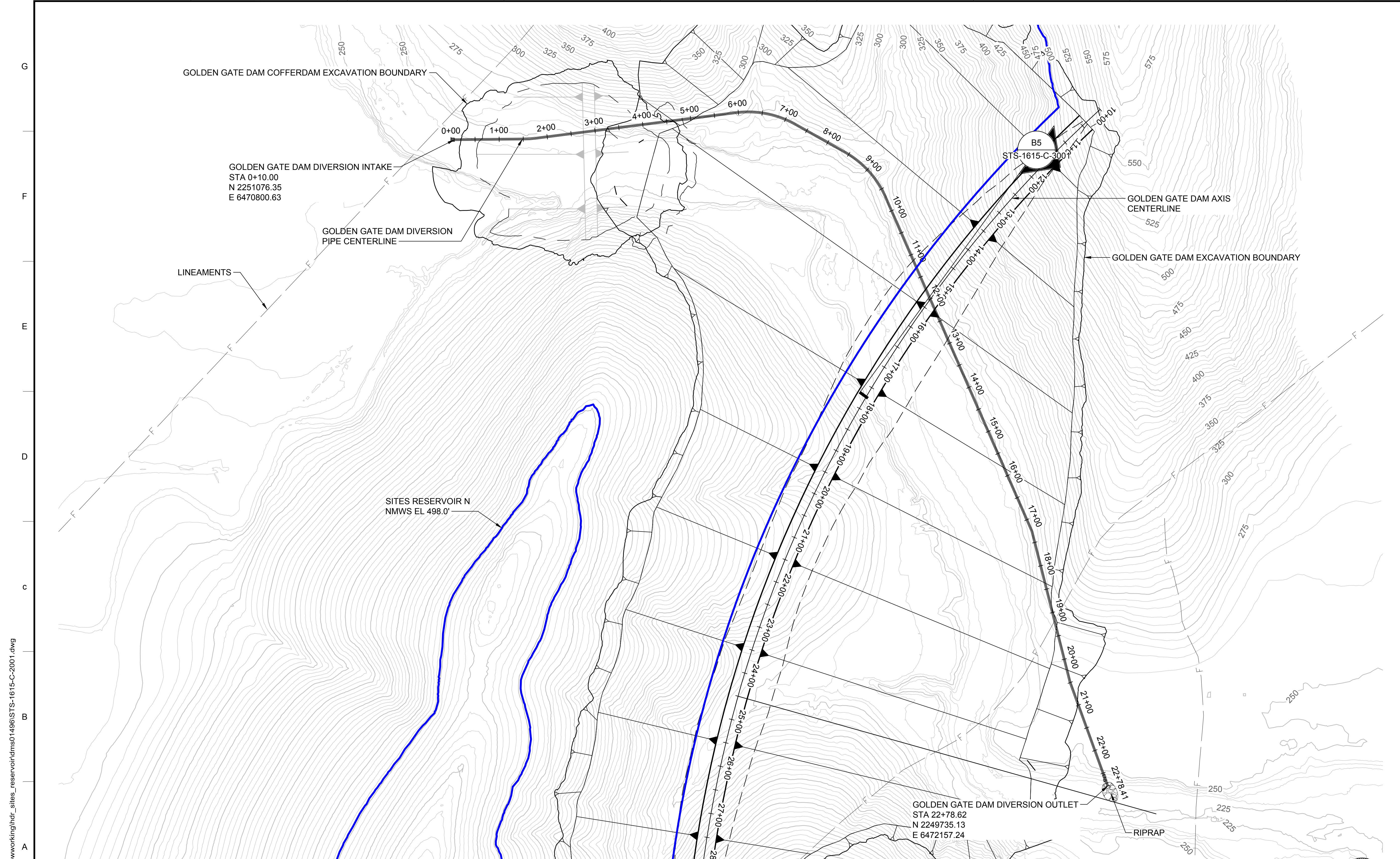
REGISTERED  
PROFESSIONAL  
ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA



**SITES RESERVOIR**  
SITES DIVERSION OUTLET  
CIVIL  
TUNNEL INITIAL SUPPORT AND FINAL LINING

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS 0 4 8 1"
DRAWING NO. STS-1610-C-5001 SHT OF

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**GENERAL NOTES**

1. CLEAR TREES ON ABUTMENT SLOPES PRIOR TO STRIPPING.
2. DEWATER ALL FOUNDATION EXCAVATIONS.
3. FAULT LOCATIONS BASED ON DWR MAPPING.
4. CREST ACCESS ROAD NOT SHOWN.
5. CONTOUR INTERVALS ARE AT 10' MINOR AND 50' MAJOR.

**KEY MAP**



**PLAN**  
HORIZ SCALE: 1" = 100'

0 100' 200'  
HORIZ SCALE: 1" = 100'

File: C:\pwworking\hdr\_sites\_reservoir\dms01496\STS-1615-C-2001.dwg  
 Plot Date: 3/22/2024 2:09 PM  
 Saved By: SHANNA,INOUE

REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY:  
I. ZARCHI  
 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



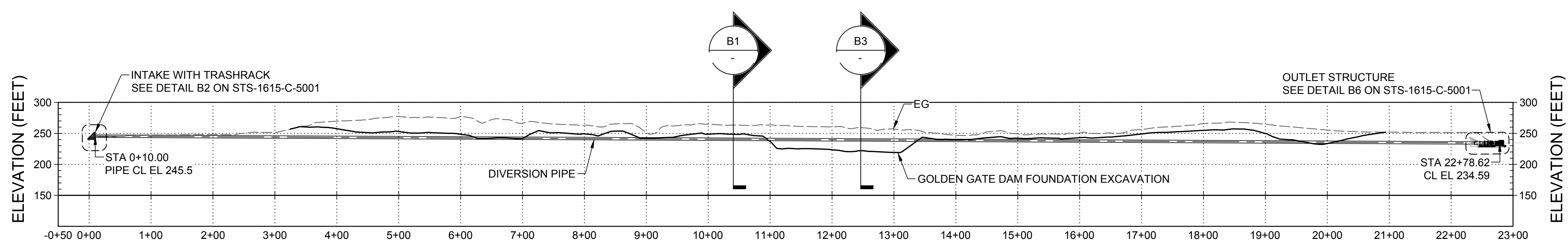
**SITES RESERVOIR**  
**GOLDEN GATE DAM DIVERSION**  
**CIVIL**  
**PLAN**

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

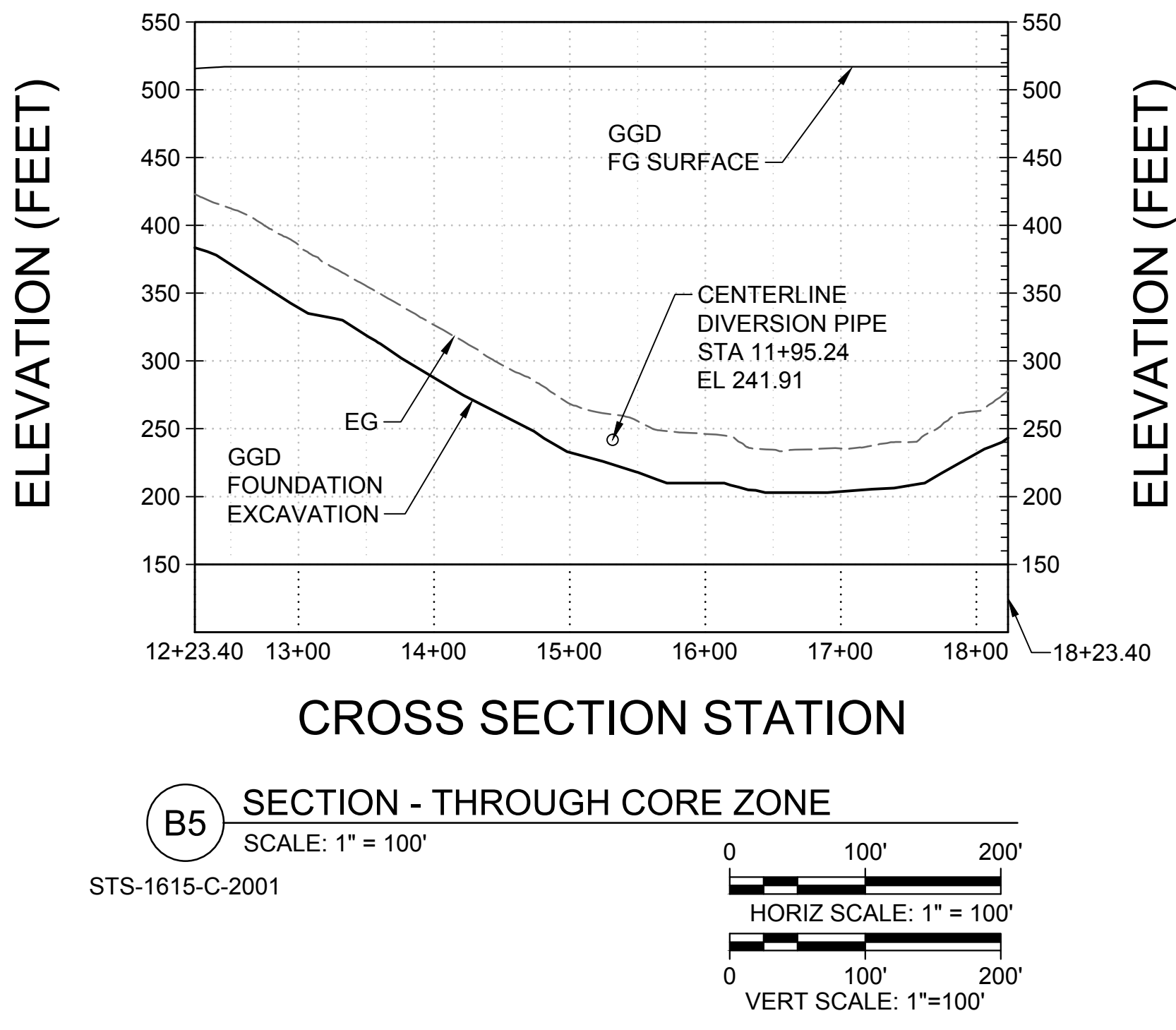
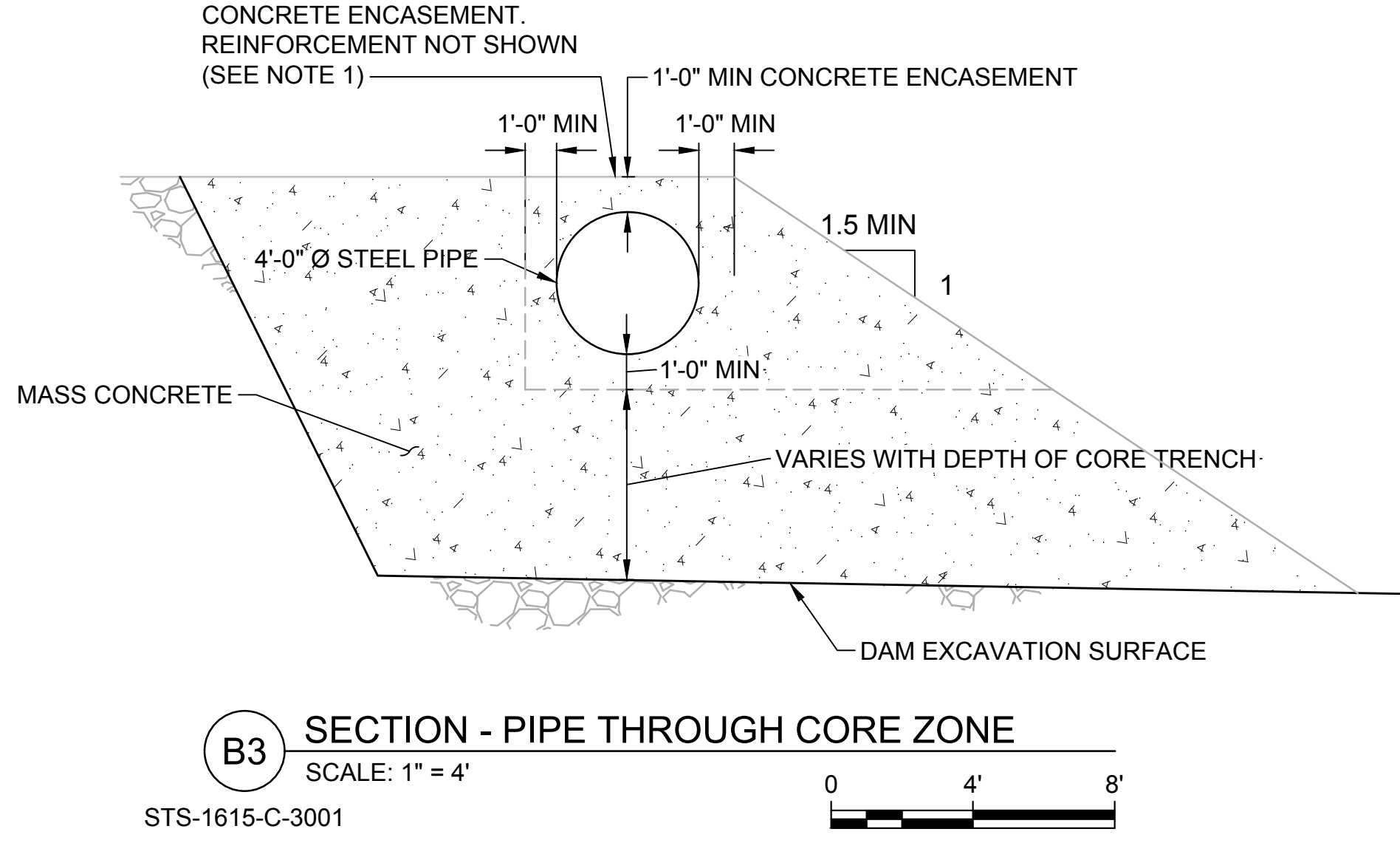
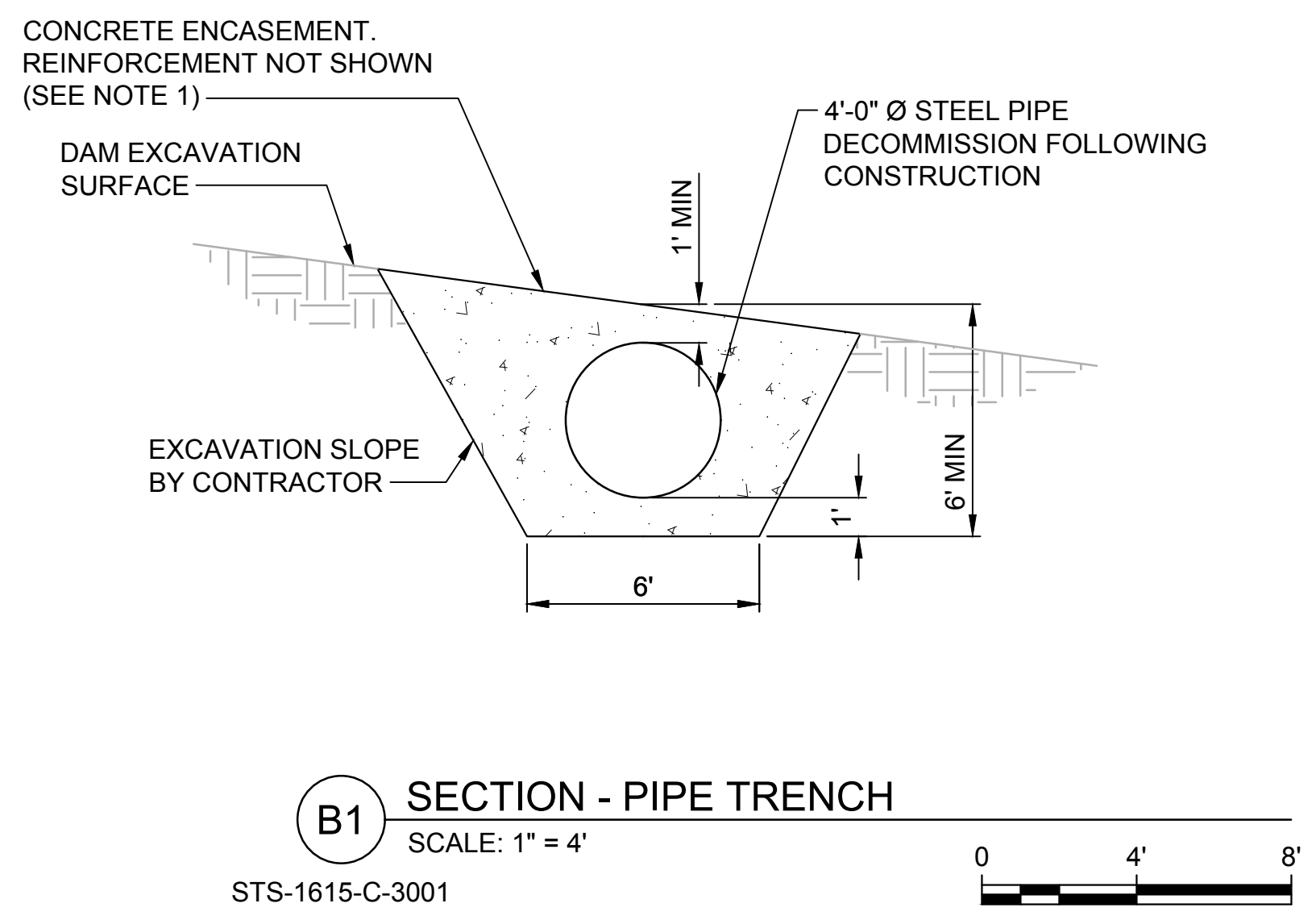
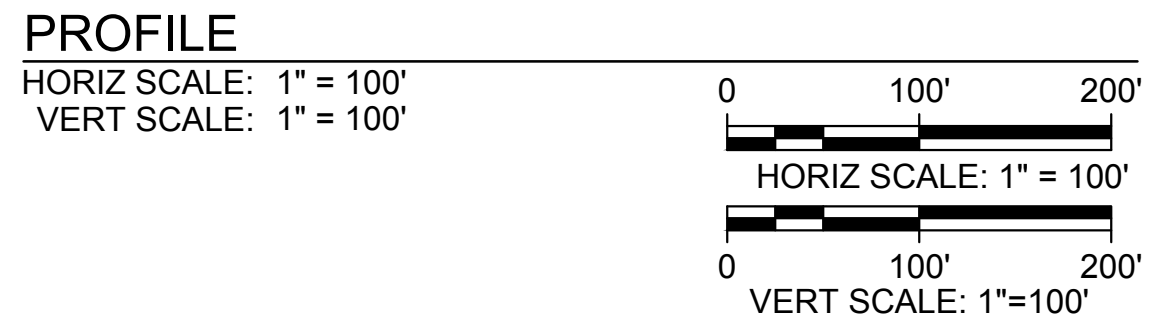
DRAWING NO.  
 STS-1615-C-2001  
 SHT OF

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**NOTES:**  
 1. REINFORCEMENT IN THE CONCRETE ENCASUREMENT WILL INCLUDE #9 BARS @ 12-INCH SPACING O.C. AROUND THE PIPE AND POTENTIALLY ADDITIONAL REINFORCEMENT AT THE INTERFACE WITH THE EMBANKMENT. THE REST OF THE TRENCH WILL BE FILLED WITH MASS CONCRETE.



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 Saved By: SHANNA INOUE

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



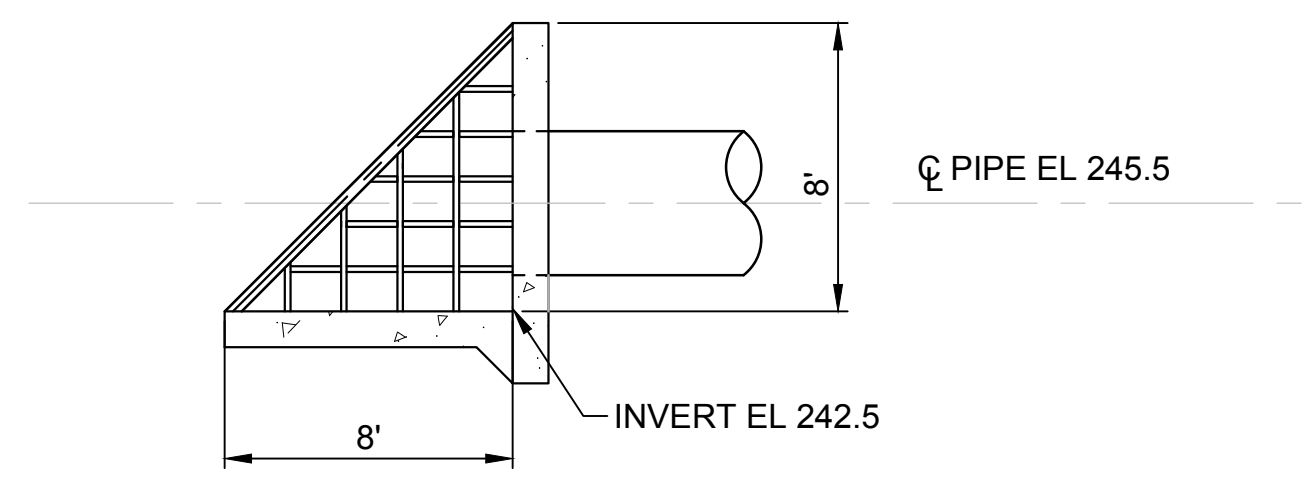
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA



**SITES RESERVOIR**  
 GOLDEN GATE DAM DIVERSION  
 CIVIL  
 PROFILE AND SECTIONS

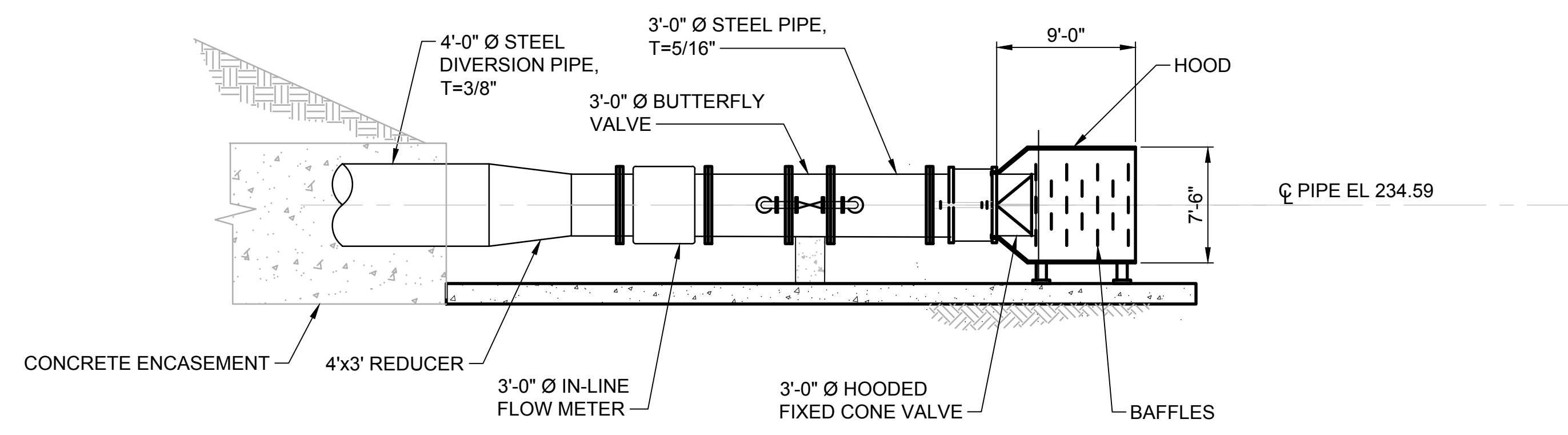
VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
 0 1"  
 DRAWING NO.  
 STS-1615-C-3001  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



PROFILE

**B2** DETAIL - TRASH RACK  
SCALE: 3/16" = 1'-0"  
ST-1615-C-3001  
HORIZ SCALE: 3/16" = 1'



PROFILE

**B6** DETAIL - DIVERSION OUTLET STRUCTURE  
SCALE: 3/16" = 1'-0"  
ST-1615-C-3001  
HORIZ SCALE: 3/16" = 1'

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 Plot Date: 3/22/2024 2:15 PM  
 Saved By: SHANNA INOUE

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



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

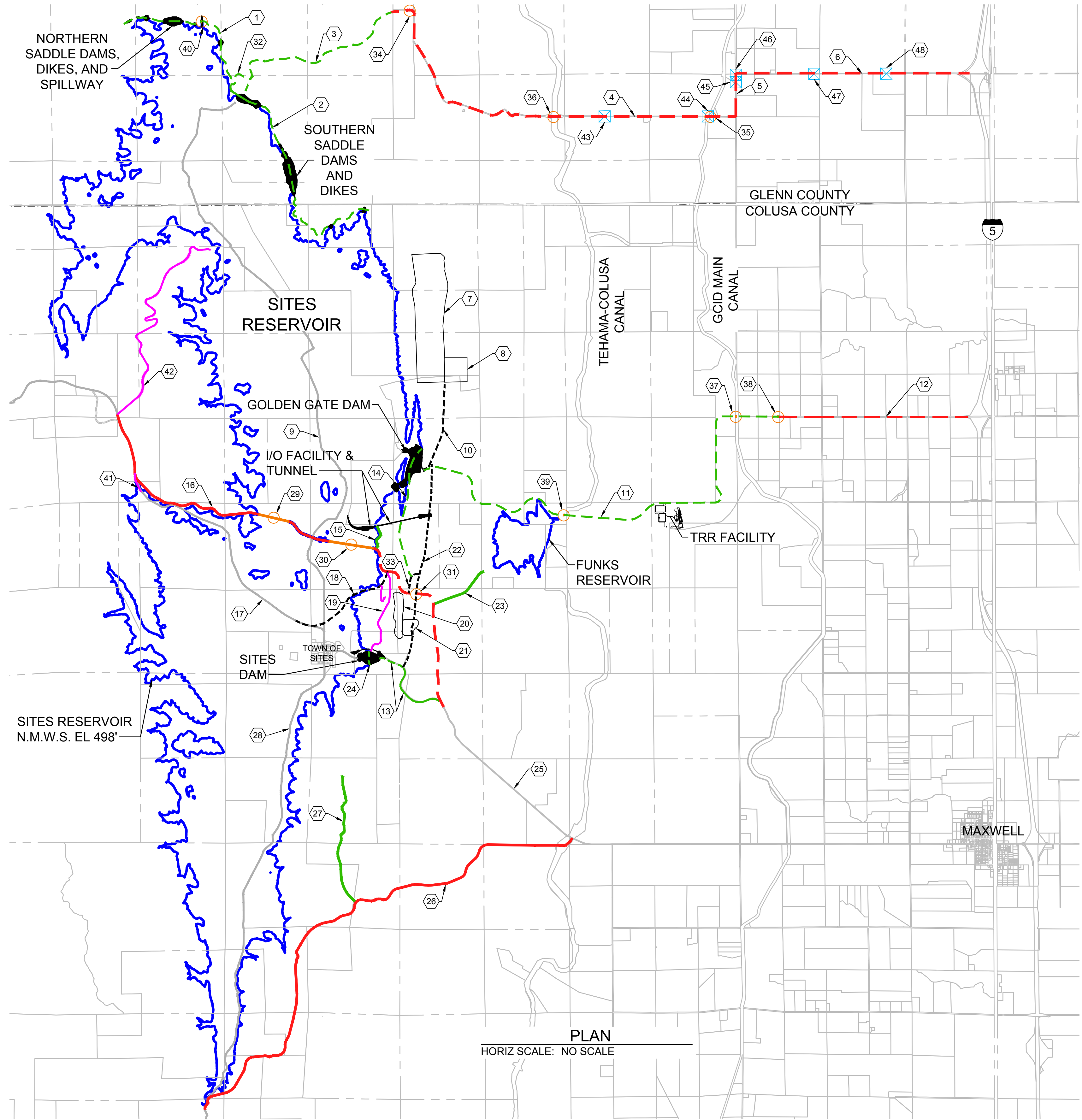
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA



SITES RESERVOIR  
 GOLDEN GATE DAM DIVERSION  
 CIVIL  
 HYDRAULIC INFRASTRUCTURE  
 DETAILS

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
 0 1"  
 DRAWING NO.  
 STS-1615-C-5001  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

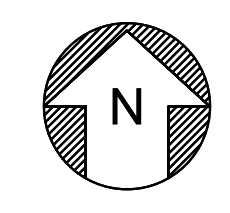


### LEGEND

- LOCAL ROUTE
- MAINTENANCE ROUTE
- RECREATION ROUTE
- BRIDGE CROSSING
- EXISTING ROUTE
- - - CONSTRUCTION/LOCAL ROUTE
- - - CONSTRUCTION/MAINTENANCE ROUTE
- - - CONSTRUCTION ROUTE
- BRIDGE STRUCTURE
- DRAINAGE BOX CULVERT STRUCTURE

- ### GENERAL NOTES
1. REFER TO GENERAL CIVIL SHEETS FOR INFORMATION NOT SHOWN.
- ### SHEET KEY NOTES
1. NORTH SADDLE DAM ROAD
  2. SOUTH SADDLE DAM ROAD
  3. NORTH ACCESS ROAD
  4. COUNTY ROAD 69
  5. COUNTY ROAD D
  6. COUNTY ROAD 68
  7. GOLDEN GATE Z3 QUARRY 2
  8. GOLDEN GATE ROCK PROCESSING 2
  9. PETERSON ROAD
  10. RBA-2 HAUL ROAD
  11. FUNKS CONSTRUCTION ACCESS ROAD
  12. DELEVAN ROAD
  13. SITES DAM BASE ACCESS ROAD
  14. GOLDEN GATE DAM CREST ACCESS ROAD
  15. I/O FACILITY MAINT. ACCESS ROAD
  16. SITES LODOGA ROAD REALIGNMENT
  17. EXISTING SITES LODOGA ROAD
  18. SITES LODOGA ROAD TEMPORARY DETOUR
  19. STONE CORRAL RECREATIONAL ACCESS ROAD
  20. SITES Z3 QUARRY
  21. SITES ROCK PROCESSING
  22. MATERIALS HAUL ROAD
  23. FUNKS PGP MAINT. ACCESS ROAD
  24. SITES DAM CREST ACCESS ROAD
  25. EXISTING MAXWELL SITES ROAD
  26. HUFFMASTER ROAD REALIGNMENT
  27. COMM ROAD
  28. EXISTING HUFFMASTER ROAD
  29. SITES LODOGA ROAD WEST BRIDGE
  30. SITES LODOGA ROAD EAST BRIDGE
  31. MATERIALS HAUL ROAD BRIDGE
  32. SADDLE DAM ROAD
  33. MATERIALS HAUL ROAD HOOK RAMP
  34. NORTH ACCESS ROAD BRIDGE
  35. COUNTY ROAD 69 GLENN-COLUSA CANAL BRIDGE
  36. COUNTY ROAD 69 TEHAMA-COLUSA CANAL BRIDGE
  37. DELEVAN GLENN-COLUSA CANAL BRIDGE
  38. DELEVAN ROAD CREEK BRIDGE
  39. FUNKS CONSTRUCTION ACCESS TEHAMA-COLUSA CANAL BRIDGE
  40. SPILLWAY BRIDGE
  41. DAY USE BOAT RAMP
  42. PENINSULA HILLS RECREATIONAL ROAD
  43. BOX CULVERT ON COUNTY RD 69
  44. BOX CULVERT ON COUNTY RD 69
  45. BOX CULVERT ON COUNTY RD D
  46. BOX CULVERT ON COUNTY RD D
  47. BOX CULVERT ON COUNTY RD 68
  48. BOX CULVERT ON COUNTY RD 68

PLAN  
HORIZ SCALE: NO SCALE



REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY:  
V. DOCTOLERO

DRAWN BY:  
E. KRICKORIAN

CHECKED BY:  
A. GLEN

IN CHARGE:  
H. MICHAEL

DATE:  
03/15/24



REGISTERED PROFESSIONAL ENGINEER  
V. DOCTOLERO  
C78231  
CALIFORNIA



**SITES RESERVOIR**  
SITES RESERVOIR ROADWAY  
GENERAL OVERVIEW ROADWAY MAP

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

0 1"

DRAWING NO.  
STS-1700-R-0001  
SHT OF

**DESIGN DESIGNATION**

ROADWAY NAME	DESIGN SPEED	POSTED/OPERATING SPEED	AADT (2018)	AADT (2040)	TI (8) (1)	TI (40) (2)	R-VALUE	FUNCTIONAL CLASS	CONTEXT CLASS	TYPE OF USE	ROAD PURPOSE BY AGENCY		
											COLUSA COUNTY	GLENN COUNTY	SITES AUTHORITY
SITES LODOGA ROAD REALIGNMENT	55 MPH	UNPOSTED - 45 TO 55 MPH	X	X		X	50	MAJOR COLLECTOR (CALTRANS WEB MAP - CRS 5G)	RURAL	LOCAL PUBLIC	X		
NORTH ACCESS ROAD	30-35 MPH	UNPOSTED - 35 MPH; POSTED - 25 TO 35 MPH	X	X	X	X	11	CONSTRUCTION ACCESS ROAD	RURAL	CONSTRUCTION AND MAINTENANCE			X
SADDLE DAM ROAD	25-35 MPH	UNPOSTED- 30 MPH	X	X	X	X	11	MAINTENANCE ACCESS ROAD	RURAL	CONSTRUCTION AND MAINTENANCE			X
GOLDEN GATE DAM BASE MAINTENANCE ACCESS ROAD	25-35 MPH	UNPOSTED - 35 MPH; POSTED - 25 TO 35 MPH	X	X	X	X	50	MAINTENANCE ACCESS ROAD	RURAL	MAINTENANCE			X
I/O FACILITY MAINTENANCE ACCESS ROAD	25 MPH	UNPOSTED- 25 MPH	X	X	X	X	50	MAINTENANCE ACCESS ROAD	RURAL	MAINTENANCE			X
FUNKS PGP MAINTENANCE ACCESS ROAD	25-35 MPH	UNPOSTED - 30 MPH	X	X	X	X	11	MAINTENANCE ACCESS ROAD	RURAL	MAINTENANCE			X
COUNTY ROAD 69	55 MPH	X	X	X	X	X	2	LOCAL ROAD	RURAL	CONSTRUCTION AND LOCAL PUBLIC		X	
COUNTY ROAD D	55 MPH	X	X	X	X	X	2	LOCAL ROAD	RURAL	CONSTRUCTION AND LOCAL PUBLIC		X	
COUNTY ROAD 68	55 MPH	X	X	X	X	X	2	LOCAL ROAD	RURAL	CONSTRUCTION AND LOCAL PUBLIC		X	
FUNKS CONSTRUCTION ACCESS ROAD	35-55 MPH	UNPOSTED- 35 TO 55 MPH	X	X	X	X	2	CONSTRUCTION ACCESS ROAD/MAINTENANCE ACCESS ROAD	RURAL	CONSTRUCTION AND MAINTENANCE			X
DELEVAN ROAD	55 MPH	X	X	X	X	X	2	LOCAL ROAD	RURAL	CONSTRUCTION AND LOCAL PUBLIC	X		
MAXWELL-SITES ROAD	35 MPH	35 MPH	X	X	TBD	TBD	11	MAJOR COLLECTOR (CALTRANS ROAD SYSTEM MAP)	RURAL	LOCAL PUBLIC	X		
GOLDEN GATE DAM CREST	25-35 MPH	UNPOSTED - 30 MPH	X	X	X	X	50	MAINTENANCE ACCESS ROAD	RURAL	CONSTRUCTION AND MAINTENANCE			X
SITES DAM CREST ACCESS ROAD	25-35 MPH	UNPOSTED - 30 MPH	X	X	X	X	50	MAINTENANCE ACCESS ROAD	RURAL	CONSTRUCTION AND MAINTENANCE			X
NORTH SADDLE DAM ROAD	20-40 MPH	UNPOSTED - 30 MPH	X	X	X	X	50	MAINTENANCE ACCESS ROAD	RURAL	CONSTRUCTION AND MAINTENANCE			X
SOUTH SADDLE DAM ROAD	20-40 MPH	UNPOSTED - 30 MPH	X	X	X	X	50	MAINTENANCE ACCESS ROAD	RURAL	CONSTRUCTION AND MAINTENANCE			X
SITES DAM BASE MAINTENANCE ACCESS ROAD	25-35 MPH	UNPOSTED - 30 MPH	X	X	X	X	11	MAINTENANCE ACCESS ROAD	RURAL	MAINTENANCE			X
SITES LODOGA ROAD TEMPORARY DETOUR	25-45 MPH	UNPOSTED - 35 MPH; POSTED - 25 TO 35 MPH	X	X	X		50	LOCAL ROAD	RURAL	CONSTRUCTION	X		
RBA-2 HAUL ROAD	55 MPH	UNPOSTED - 35 MPH; POSTED - 25 TO 35 MPH	X	X	X		11	CONSTRUCTION ACCESS ROAD/HAUL ROUTE	RURAL	CONSTRUCTION			X
MATERIALS HAUL ROAD	25-35 MPH	UNPOSTED - 30 MPH	X	X	X		11	CONSTRUCTION ACCESS ROAD/HAUL ROUTE	RURAL	CONSTRUCTION			X
HUFFMASTER ROAD REALIGNMENT	35-45 MPH	UNPOSTED - 35 TO 45 MPH	X	X		X	50	LOCAL ROAD	RURAL	LOCAL PUBLIC	X		
*COMM ROAD	25-35 MPH	UNPOSTED - 35 MPH; POSTED - 25 TO 35 MPH	X	X	TBD	TBD	50	LOCAL ROAD	RURAL	MAINTENANCE			
*STONE CORRAL RECREATIONAL ACCESS ROAD	25-45 MPH	UNPOSTED - 35 MPH; POSTED - 25 TO 35 MPH	X	X	TBD	TBD	50	LOCAL ROAD	RURAL	RECREATIONAL			
*PENINSULA HILLS RECREATION ACCESS ROAD	25-45 MPH	UNPOSTED - 35 MPH; POSTED - 25 TO 35 MPH	X	X	TBD	TBD	50	LOCAL ROAD	RURAL	RECREATIONAL			
*DAY-USE BOAT RAMP	25-45 MPH	UNPOSTED - 35 MPH; POSTED - 25 TO 35 MPH	X	X	TBD	TBD	50	LOCAL ROAD	RURAL	RECREATIONAL			

\* ROAD ALIGNMENT IS NOT CURRENTLY PRESENTED IN THE DRAWING SET. FURTHER COORDINATION TBD.  
 (1) TI (8) = 9: HEAVIER TRAFFIC, INCLUDING CONSTRUCTION LOADING  
 (2) TI (40) = 6: LIGHT TRAFFIC (LOW VOLUME 2-AXLE VEHICLES PER DAY AND OCCASIONAL 4-AXLE VEHICLES)

**ALIGNMENT IDENTIFICATION**

ALIGNMENT ID	ROAD NAME
"SLR" LINE	SITES LODOGA ROAD REALIGNMENT
"NA" LINE	NORTH ACCESS ROAD
"SDR" LINE	SADDLE DAM ROAD
"CR-69" LINE	COUNTY ROAD 69
"CR-D" LINE	COUNTY ROAD D
"CR-68" LINE	COUNTY ROAD 68
"FCR" LINE	FUNKS CONSTRUCTION ACCESS ROAD
"D" LINE	DELEVAN ROAD
"MS" LINE	MAXWELL-SITES ROAD
"GGD" LINE	GOLDEN GATE DAM CREST ACCESS ROAD
"SDC" LINE	SITES DAM CREST ACCESS ROAD
"NSD" LINE	NORTH SADDLE DAM ROAD
"SSD" LINE	SOUTH SADDLE DAM ROAD
"TMR" LINE	I/O FACILITY MAINTENANCE ACCESS ROAD
"FMR" LINE	FUNKS PGP MAINTENANCE ACCESS ROAD
"GGB" LINE	GOLDEN GATE DAM BASE MAINTENANCE ACCESS ROAD
"SDB" LINE	SITES DAM BASE MAINTENANCE ACCESS ROAD
"TSLR" LINE	SITES LODOGA ROAD TEMPORARY DETOUR
"HR" LINE	RBA-2 HAUL ROAD
"AG" LINE	MATERIALS HAUL ROAD
"AGR" LINE	MATERIALS HAUL ROAD HOOK RAMP
"H" LINE	HUFFMASTER ROAD REALIGNMENT
"C" LINE	COMM ROAD
"SC" LINE	STONE CORRAL RECREATIONAL ACCESS ROAD
"P" LINE	PENINSULA HILLS RECREATIONAL ACCESS ROAD
"B" LINE	DAY-USE BOAT RAMP

**GENERAL NOTES**

1. NOT ALL ROADWAYS ARE INCLUDED IN THIS DESIGN SET AND ARE PRESENTED AS CONCEPTUAL. ADDITIONAL ROADWAYS WILL BE INCLUDED AT 60%.

File: C:\pwworking\hdr\_sites\_reservoir\dms01452\STS-1700-R-0002.dwg  
 Plot Date: 3/21/2024 5:56 PM  
 Saved By: JUSTIN.CHANZ

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
V. DOCTOLERO  
 DRAWN BY:  
S. KHOYGANI  
 CHECKED BY:  
A. GLEN  
 IN CHARGE:  
H. MICHAEL  
 DATE:  
03/15/24



REGISTERED PROFESSIONAL ENGINEER  
 V. DOCTOLERO  
 C78231  
 CALIFORNIA



**SITES RESERVOIR**  
 SITES RESERVOIR ROADWAY GENERAL  
 ALIGNMENT IDENTIFICATION AND DESIGN DESIGNATION

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
 0 1"  
 DRAWING NO.  
 STS-1700-R-0002  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

# ABBREVIATIONS LIST

AADT	ANNUAL AVERAGE DAILY TRAFFIC	HMA	HOT MIX ASPHALT	R-VALUE	RESISTANCE VALUE	V	DESIGN SPEED (MPH)
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	HORIZ	HORIZONTAL	RSP	REVISED STANDARD PLAN	W	WEST
AC	ASPHALT CONCRETE	JT	JOINT TRENCH	RW	RETAINING WALL	WAPA	WESTERN AREA POWER ADMINISTRATION
AP	ANGLE POINT	K	K-VALUE	S	SOUTH	WB	WESTBOUND
BM	BENCHMARK	MBGR	METAL BEAM GUARDRAIL	SB	SOUTHBOUND		
BOC	BACK OF CURB	MGS	MIDWEST GUARDRAIL SYSTEM	SR	SUPERELEVATION RATE		
BOW	BACK OF WALK	(N)	NEW	STA	STATION		
CB	CONCRETE BARRIER	N	NORTH, NORTHING	SW	SIDEWALK		
CT	CALTRANS	NB	NORTHBOUND	T	TEMPORARY BENCH MARK		
C&G	CURB AND GUTTER	NE	NORTHEAST	TCA	TEMPORARY CONSTRUCTION AREA		
EB	EASTBOUND	NTS	NOT TO SCALE	TCE	TEMPORARY CONSTRUCTION EASEMENT		
ELEV	ELEVATION	P	PORTLAND CEMENT CONCRETE	TI	TRAFFIC INDEX		
EP	EDGE OF PAVEMENT	PIP	PROTECT IN PLACE	TOC	TOP OF CURB		
ES	EDGE OF SHOULDER	PUE	PUBLIC UTILITY EASEMENT	TS	TRAFFIC SIGNAL		
FOC	FACE OF CURB	PVC	POINT OF VERTICAL CURVE	(U)	UNIDENTIFIED		
FDR	FULL DEPTH RECLAMATION	PVI	POINT OF VERTICAL INTERSECTION	UNK	UNKNOWN		
		PVT	POINT OF VERTICAL TANGENT	UP	UNDERPASS		
				UT	UTILITY		

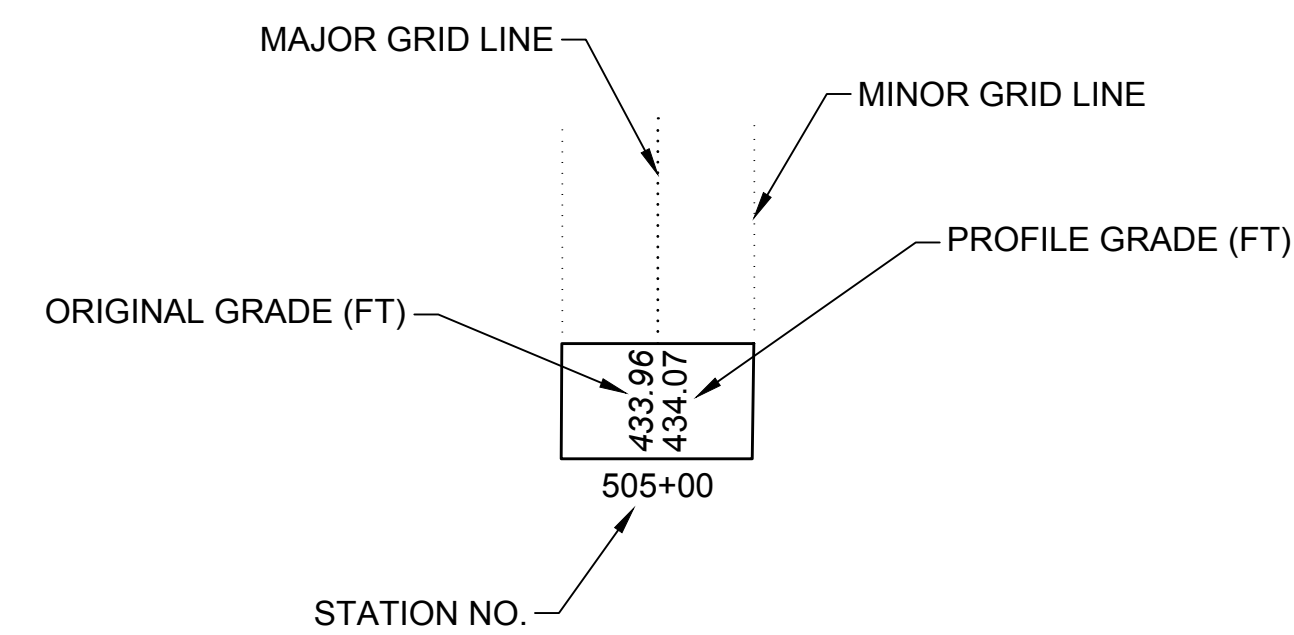
# GENERAL NOTES

- FOR GENERAL ABBREVIATIONS NOT SHOWN, REFER TO THE PROJECT GENERAL ABBREVIATIONS SHEET.
- FOR ADDITIONAL ROADWAY ABBREVIATIONS NOT LISTED, REFER TO CALTRANS STANDARD PLANS.

# LEGEND

	BEGIN/END OF TRAFFIC STRIPE DETAIL
	CHANGE OF TRAFFIC STRIPE DETAIL
	TRAFFIC STRIPE DETAIL NUMBER
	POINT OF VERTICAL INTERSECTION
	DIRECTION OF TRAFFIC FLOW
	GRADING CUT LIMITS
	GRADING FILL LIMITS
	MIDWEST GUARDRAIL SYSTEM
	POSSIBLE RETAINING WALL LIMITS

# PROFILE ELEVATION LEGEND



File: c:\pwworking\hdr\_sites\_reservoir\tdms01452\STS-1700-R-0003.dwg  
 Plot Date: 3/21/2024 5:54 PM  
 Saved By: JUSTIN CHANZ

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	V. DOCTOLERO
DRAWN BY:	S. KHOYGANI
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

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

REGISTERED PROFESSIONAL ENGINEER  
 V. DOCTOLERO  
 C78231  
 CALIFORNIA



**SITES RESERVOIR**  
 SITES RESERVOIR ROADWAY  
 GENERAL ABBREVIATIONS LIST AND LEGEND

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO.	STS-1700-R-0003
SHT	OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

GLENN COUNTY STANDARD PLANS

COUNTY STANDARD PLANS TO BE ADDED AT A LATER PHASE.

COLUSA COUNTY STANDARD PLANS

COUNTY STANDARD PLANS TO BE ADDED AT A LATER PHASE.

Plot Date: 3/21/2024 5:54 PM Saved By: JUSTIN CHANZ File: c:\pwworking\hdr\_sites\_reservoir\tdms01452\STS-1700-R-0004.dwg

G  
F  
E  
D  
C  
B  
A

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**SITES RESERVOIR**

SITES RESERVOIR  
ROADWAY  
GENERAL  
COUNTY STANDARDS

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
0  1"
DRAWING NO.
STS-1700-R-0004
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# CALTRANS STANDARD AND REVISED PLANS - 2023 EDITION

## GENERAL NOTES

1. REFER TO THE MOST CURRENT CALTRANS STANDARD PLANS AND REVISED STANDARD PLANS FOR DETAILS NOT SHOWN IN THE PROJECT PLANS.

No.	TITLE OF DRAWING
RSP A20A	PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS
A20B	PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS
RSP A20D	PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS
RSP A20E	TRAFFIC LINES TYPICAL DETAILS FOR CONTRAST STRIPING
A24D	PAVEMENT MARKINGS WORDS
RSPA24G	PAVEMENT MARKINGS YEILD LINES, LIMIT LINES, AND WRONG WAY DETAILS
A62A	EXCAVATION AND BACKFILL MISCELLANEOUS DETAILS
A62B	LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL BRIDGE SURCHARGE AND WALL
A62D	EXCAVATION AND BACKFILL CONCRETE PIPE CULVERTS
RSP A62DA	EXCAVATION AND BACKFILL CONCRETE PIPE CULVERTS INDIRECT DESIGN METHOD
A62E	EXCAVATION AND BACKFILL CAST-IN-PLACE REINFORCED CONCRETE BOX AND ARCH CULVERTS
A62F	EXCAVATION AND BACKFILL METAL AND PLASTIC CULVERTS
A62G	EXCAVATION AND BACKFILL PRECAST REINFORCED BOX CULVERT
A73A	OBJECT MARKERS
A73B	MARKERS
A73C	DELINEATORS, CHANNELIZERS AND BARRICADES
A77L1	MIDWEST GUARDRAIL SYSTEM STANDARD RAILING SECTION (WOOD POST WITH WOOD BLOCK)
A77M1	MIDWEST GUARDRAIL SYSTEM STANDARD HARDWARE
RSP A77N1	MIDWEST GUARDRAIL SYSTEM WOOD POST AND WOOD BLOCK DETAILS
RSP A77N3	MIDWEST GUARDRAIL SYSTEM TYPICAL LINE POST EMBEDMENT AND HINGEPOINT OFFSET DETAILS
RSP A77N4	MIDWEST GUARDRAIL SYSTEM TYPICAL RAILING DELINEATION AND DIKE POSITIONING DETAILS
RSP A77P1	MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR EMBANKMENTS
RSP A77P2	MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR EMBANKMENTS
RSP A77P3	MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR EMBANKMENTS
RSP A77P4	MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR EMBANKMENTS
RSP A77P5	MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR EMBANKMENTS
RSP A77P6	MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR EMBANKMENTS
RSP A77Q1	MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR STRUCTURE APPROACH
RSP A77Q2	MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR STRUCTURE APPROACH AND BETWEEN STRUCTURES
RSP A77Q4	MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR STRUCTURE DEPARTURE

No.	TITLE OF DRAWING
RSP A77Q4	MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR STRUCTURE DEPARTURE
RSP A77Q5	MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR STRUCTURE DEPARTURE
RSP A77R3	MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR ROADSIDE FIXED OBJECTS
RSP A77R4	MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR ROADSIDE FIXED OBJECTS
RSP A77R5	MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR ROADSIDE FIXED OBJECTS
RSP A77R6	MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR ROADSIDE FIXED OBJECTS
RSP A77R7	MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR ROADSIDE FIXED OBJECTS
RSP A77R8	MIDWEST GUARDRAIL SYSTEM TYPICAL LAYOUTS FOR ROADSIDE FIXED OBJECTS
RSP A77S1	MIDWEST GUARDRAIL SYSTEM END ANCHOR ASSEMBLY (TYPE SFT-M)
A77T2	MIDWEST GUARDRAIL SYSTEM BURIED POST END ANCHOR (TYPE B-F)
A77U1	MIDWEST GUARDRAIL SYSTEM CONNECTIONS TO BRIDGE RAILINGS WITHOUT SIDEWALKS DETAILS No. 1
A77U2	MIDWEST GUARDRAIL SYSTEM CONNECTIONS TO BRIDGE RAILINGS WITHOUT SIDEWALKS DETAILS No. 2
RSP A77U3A	MIDWEST GUARDRAIL SYSTEM CONNECTIONS TO ABUTMENTS AND WALLS
RSP A77U3B	MIDWEST GUARDRAIL SYSTEM CONNECTIONS TO ABUTMENTS AND WALLS
A77U4	MIDWEST GUARDRAIL SYSTEM TRANSITION RAILING (TYPE WB-31)
A85	CHAIN LINK FENCE
A85A	CHAIN LINK FENCE DETAILS
A85B	CHAIN LINK FENCE DETAILS
RSP D80	CAST-IN-PLACE REINFORCED CONCRETE SINGLE BOX CULVERT
RSP D82	CAST-IN-PLACE REINFORCED CONCRETE BOX CULVERT MISCELLANEOUS DETAILS
RSP D84	BOX CULVERT WINGWALLS TYPES A, B AND C
RSP D85	BOX CULVERT WINGWALLS TYPES D AND E
RSP D86A	BOX CULVERT WARPED WINGWALLS
RSP D86B	PIPE CULVERT HEADWALLS, ENDWALLS AND WARPED WINGWALLS
RSP D90	PIPE CULVERT HEADWALLS, ENDWALLS AND WARPED WINGWALLS TYPES A, B AND C
RSP B11-79	CONCRETE BARRIER TYPE 836 DETAILS No. 1
RSP B11-80	CONCRETE BARRIER TYPE 836 DETAILS No. 2
P1	JOINTED PLAIN CONCRETE PAVEMENT NEW CONSTRUCTION
P10	CONCRETE PAVEMENT DOWEL BAR DETAILS
P15	CONCRETE PAVEMENT TIE BAR DETAILS

No.	TITLE OF DRAWING
P17	CONCRETE PAVEMENT TIE BAR BASKET DETAILS
P20	JOINT SEALS
P30	CONCRETE PAVEMENT-END PANEL PAVEMENT TRANSITIONS
P50	PAVEMENT STRUCTURE DRAINAGE SYSTEM DETAILS
P70	HOT MIX ASPHALT PAVING (LONGITUDINAL TAPERED NOTCHED WEDGE JOINT)
P74	PAVEMENT EDGE TREATMENTS
P76	PAVEMENT EDGE TREATMENTS-NEW CONSTRUCTION
H51	EROSION CONTROL DETAILS FIBER ROLL AND COMPOST SOCK
H52	ROLLED EROSION CONTROL PRODUCT
T3A	TEMPORARY RAILING (TYPE K)
T3B	TEMPORARY RAILING (TYPE K)
T5	TEMPORARY TERMINAL SECTION (TYPE K)
T9	TRAFFIC CONTROL SYSTEM TALES FOR LANE AND RAMP CLOSURES
T51	TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY SILT FENCE)
T52	TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY STRAW BALE BARRIER)
T53	TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY COVER)
T54	TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY EROSION CONTROL BLANKET)
T55	TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY EROSION CONTROL BLANKET)
T56	TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY FIBER ROLL)
T57	TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY CHECK DAM)
T58	TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY CONSTRUCTION ENTRANCE)
T59	TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY CONCRETE WASHOUT FACILITY)
T60	TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY REINFORCED SILT FENCE)
T65	TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY HIGH-VISIBILITY FENCE)
T66	TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY LARGE SEDIMENT BARRIER)
T67	TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY CONSTRUCTION ROADWAY)
RS1	ROADSIDE SIGNS TYPICAL INSTALLATION DETAILS No. 1
RS2	ROADSIDE SIGNS WOOD POST TYPICAL INSTALLATION DETAILS No. 2

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DESIGNED BY:  
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2. SPECIFIC LOCATION AND LIMITS OF RETAINING WALLS ARE BEING DETERMINED AND WILL BE INCLUDED WITH THE QUANTITIES AND ESTIMATES. WHAT IS CURRENTLY SHOWN WILL BE REVISED WITH THE SUBSEQUENT PHASES OF THE PROJECT, WHICH INCLUDES POSSIBLE WALL LOCATIONS.

**RETAINING WALL DESIGN DESIGNATION**

WALL NO.	BEGIN	END	OFFSET SIDE	ALG ID	LENGTH (FT)	MAX HEIGHT AT ES (FT)	MAX HEIGHT WITH BENCHING (FT)	PROPOSED OR POTENTIAL WALL	CUT WALL OR FILL WALL	NOTES
1	80+70.00	85+50.00	LT	SLR	468.5	57.1	43.6' w/ (2) BENCHES	POTENTIAL	CUT	WEST PORTION OF SLR
2	88+00.00	92+10.00	LT	SLR	410.0	84.8	42.6' w/ (1) BENCH	POTENTIAL	CUT	WEST PORTION OF SLR
3	88+30.00	91+80.00	RT	SLR	350.0	75.3	34.4' w/ (1) BENCH	POTENTIAL	CUT	WEST PORTION OF SLR
4	104+80.00	108+30.00	LT	SLR	340.7	47.3	42.6' w/ (1) BENCH	POTENTIAL	CUT	WEST PORTION OF SLR
5	129+60.00	136+00.00	LT	SLR	628.2	72.5	47.4' w/ (2) BENCHES	POTENTIAL	CUT	WEST PORTION OF SLR
6	129+50.23	132+70.00	RT	SLR	328.3	66.1	72.9' w/ (2) BENCHES	POTENTIAL	CUT	WEST PORTION OF SLR
7	141+00.00	146+80.00	LT	SLR	561.6	45.1	47.1' w/ (2) BENCHES	PROPOSED	CUT	WEST PORTION OF SLR
8	161+40.54	165+59.98	LT	SLR	425.8	47.6	55.6' w/ (2) BENCHES	PROPOSED	CUT	NEAR WEST SLR BRIDGE
9	246+10.86	250+30.00	LT	SLR	435.4	60.0		PROPOSED	CUT	NEAR I/O FACILITY ACCESS MAINTENANCE ACCESS ROAD INTERSECTION
10	251+10.00	264+40.00	LT	SLR	1302.5	107.2		POTENTIAL	CUT	EAST PORTION OF SLR
11	260+64.80	262+23.13	RT	SLR	233.6	104.2		POTENTIAL	CUT	NEAR STONE CORRAL RECREATIONAL ACCESS ROAD
12	266+10.44	268+50.00	RT	SLR	228.2	74.7		POTENTIAL	CUT	NEAR SITES LODOGA ROAD TEMPORARY DETOUR
13	268+80.00	273+00.00	LT	SLR	433.6	27.4		PROPOSED	FILL	EAST PORTION OF SLR
14	273+30.00	279+70.00	RT	SLR	651.9	39.9		PROPOSED	CUT	EAST PORTION OF SLR
1	333+18.33	334+94.35	RT	SSD	180.4	31.0		POTENTIAL	CUT	
2	340+42.32	343+92.33	RT	SSD	362.0	34.9		POTENTIAL	CUT	
3	340+42.34	343+92.33	LT	SSD	338.1	34.1		POTENTIAL	CUT	
4	357+52.99	357+52.99	LT/RT	SSD	322.1	17.2		PROPOSED	CUT	TURNAROUND LOCATION
1	106+50.00	107+75.00	LT	NSD	132.9	27.8		POTENTIAL	CUT	ALT 1
2	106+50.00	107+50.00	RT	NSD	94.6	26.6		POTENTIAL	CUT	ALT 1
3	153+44.00	154+44.00	LT	NSD	100.0	27.2		POTENTIAL	CUT	ALT 1
4	167+44.00	168+44.00	LT	NSD	103.3	29.9		POTENTIAL	CUT	ALT 1
5	167+69.00	168+44.00	RT	NSD	72.6	27.1		POTENTIAL	CUT	ALT 1
6	173+94.00	176+44.00	LT	NSD	252.9	38.3		POTENTIAL	CUT	ALT 1
7	173+94.00	175+94.00	RT	NSD	197.0	33.8		POTENTIAL	CUT	ALT 1
1	110+94.71	113+00.00	RT	TMR	205.3	36.6	28.4' w/ (2) BENCHES	POTENTIAL	CUT	NORTH PORTION
2	113+89.06	116+01.70	RT	TMR	212.6	43.5	31.3' w/ (1) BENCH	POTENTIAL	CUT	NORTH PORTION
3	114+20.16	115+49.52	LT	TMR	129.4	31.6	1:1 TO DAYLIGHT	POTENTIAL	CUT	NORTH PORTION
1	136+12.12	138+40.79	LT	H	228.7	31.0		PROPOSED	FILL	
2	136+23.97	140+32.08	RT	H	408.1	31.0		PROPOSED	FILL	
3	166+00.21	169+57.64	LT	H	357.4	10.0		PROPOSED	FILL	
4	171+00.60	172+35.01	LT	H	134.4	21.0		PROPOSED	FILL	
5	174+45.46	179+04.86	LT	H	459.4	51.0	36' w/ (1) BENCH	POTENTIAL	CUT	
6	174+61.00	179+64.57	RT	H	503.6	51.0	38' w/ (1) BENCH	POTENTIAL	CUT	
7	288+81.27	302+80.08	LT	H	1398.8	13.0		PROPOSED	FILL	
8	290+51.25	293+29.04	RT	H	277.8	26.0		POTENTIAL	CUT	
9	308+22.56	309+80.53	LT	H	158.0	10.0		PROPOSED	FILL	
10	310+93.55	311+89.25	LT	H	95.7	10.0		PROPOSED	FILL	

**RETAINING WALLS DESIGN DESIGNATION**  
HORIZ SCALE: NO SCALE

**KEY MAP** 

File: C:\pwworking\hdr\_sites\_reservoir\dms01452\STS-1700-R-0006.dwg  
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**SITES RESERVOIR**

SITES RESERVOIR  
ROADWAY  
GENERAL  
RETAINING WALLS DESIGN DESIGNATION

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0 1"

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**RETAINING WALL DESIGN DESIGNATION**

WALL NO.	BEGIN	END	OFFSET SIDE	ALG ID	LENGTH (FT)	MAX HEIGHT AT ES (FT)	MAX HEIGHT WITH BENCHING (FT)	PROPOSED OR POTENTIAL WALL	CUT WALL OR FILL WALL	NOTES
11	339+43.11	341+06.33	LT	H	163.2	42.0	24' w/ (1) BENCH	POTENTIAL	CUT	
12	339+36.21	341+06.06	RT	H	169.8	43.0	26' w/ (1) BENCH	POTENTIAL	CUT	
13	396+86.97	400+76.65	LT	H	389.7	41.0	27' w/ (1) BENCH	POTENTIAL	CUT	
14	397+41.12	399+27.69	RT	H	186.6	37.0	15' w/ (1) BENCH	POTENTIAL	CUT	
101	108+52.34	112+65.85	LT	FCR	413.5	60.0	44' w/ (1) BENCH	POTENTIAL	CUT	
102	108+75.00	112+75.39	RT	FCR	400.4	58.0	27' w/ (1) BENCH	POTENTIAL	CUT	
103	115+01.65	121+01.91	LT	FCR	600.3	93.0	53' w/ (2) BENCHES	POTENTIAL	CUT	
104	115+33.80	121+06.67	RT	FCR	572.9	91.0	49' w/ (1) BENCH	POTENTIAL	CUT	
105	125+88.12	133+41.00	LT	FCR	752.9	93.5	81' w/ (1) BENCH	POTENTIAL	CUT	
106	126+24.54	126+14.30	RT	FCR	-10.2	74.0	24' w/ (1) BENCH	POTENTIAL	CUT	
107	138+72.73	145+48.87	LT	FCR	676.1	79.0	44' w/ (2) BENCHES	POTENTIAL	CUT	
108	139+06.54	145+54.09	RT	FCR	647.6	73.0	26' w/ (1) BENCH	POTENTIAL	CUT	
1	157+06.67	162+15.24	LT	FCR	508.6	51.0	42' w/ (1) BENCH	PROPOSED	CUT	
2	163+16.58	164+26.51	LT	FCR	109.9	36.0	23' w/ (1) BENCH	POTENTIAL	CUT	
3	165+23.69	171+79.80	LT	FCR	656.1	115.0	81' w/ (2) BENCHES	POTENTIAL	CUT	
4	166+45.67	171+62.38	RT	FCR	516.7	108.0	50' w/ (1) BENCH	POTENTIAL	CUT	
5	201+00.00	207+91.56	LT	FCR	691.6	56.0	38' w/ (1) BENCH	POTENTIAL	CUT	
6	201+60.90	208+03.40	RT	FCR	642.5	52.0	20' w/ (1) BENCH	POTENTIAL	CUT	
7	222+22.89	223+96.03	LT	FCR	173.1	28.0		POTENTIAL	CUT	
8	222+16.18	224+13.26	RT	FCR	197.1	29.0		POTENTIAL	CUT	
201	128+54.01	130+95.19	LT	FCR	241.2	49.0	34' w/ (1) BENCH	POTENTIAL	CUT	
202	128+36.91	130+85.89	RT	FCR	249.0	49.5	34' w/ (1) BENCH	POTENTIAL	CUT	
301	128+41.56	131+01.07	LT	FCR	259.5	51.5	37' w/ (1) BENCH	POTENTIAL	CUT	
302	128+17.19	130+90.53	RT	FCR	273.3	52.0	37' w/ (1) BENCH	POTENTIAL	CUT	
1	101+71.24	106+52.72	LT	GGD	481.5	43.1	35' w/ (1) BENCH	POTENTIAL	CUT	ALT 2
2	102+38.22	105+65.21	RT	GGD	327.0	44.8		POTENTIAL	CUT	ALT 2
3	118+24.97	119+10.66	LT	GGD	85.7	24.3		POTENTIAL	CUT	ALT 2
4	127+58.58	131+20.37	LT	GGD	361.8	34.1	20' w/ (1) BENCH	POTENTIAL	CUT	ALT 2
5	127+61.23	130+15.14	RT	GGD	253.9	33.9		POTENTIAL	CUT	ALT 2
6	143+59.67	145+59.40	LT	GGD	199.7	36.3		POTENTIAL	CUT	ALT 2
7	142+51.43	145+33.56	RT	GGD	282.1	32.3	22' w/ (1) BENCH	POTENTIAL	CUT	ALT 2
8	158+74.74	160+75.08	LT	GGD	200.3	34.5		POTENTIAL	CUT	ALT 2
9	156+84.18	161+00.00	RT	GGD	415.8	45.0	33' w/ (1) BENCH	POTENTIAL	CUT	ALT 2
10	183+67.30	184+39.08	RT	GGD	404.3	53.4		POTENTIAL	CUT	WALL WRAPS AROUND HAMMERHEAD
1	50+25.00	53+25.00	LT	TSLR	308.0	46.1		POTENTIAL	CUT	
2	50+50.00	53+50.00	RT	TSLR	274.6	45.2	46' w/ (2) BENCHES	POTENTIAL	CUT	
3	62+00.00	69+00.00	RT	TSLR	713.1	85.6	86' w/ (2) BENCHES	POTENTIAL	CUT	
4	72+75.00	78+00.00	RT	TSLR	548.4	95.6	96' w/ (2) BENCHES	POTENTIAL	CUT	
5	74+00.00	75+75.00	LT	TSLR	165.0	34.1	35' w/ (2) BENCHES	POTENTIAL	CUT	

**RETAINING WALLS DESIGN DESIGNATION**  
HORIZ SCALE: NO SCALE



Plot Date: 3/21/2024 5:54 PM Saved By: JUSTIN, CHANZ File: c:\pwworking\hdr\_sites\_reservoir\dms01452\STS-1700-R-0007.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
V. DOCTOLERO  
DRAWN BY:  
J. CHAN  
CHECKED BY:  
A. GLEN  
IN CHARGE:  
H. MICHAEL  
DATE:  
03/15/24



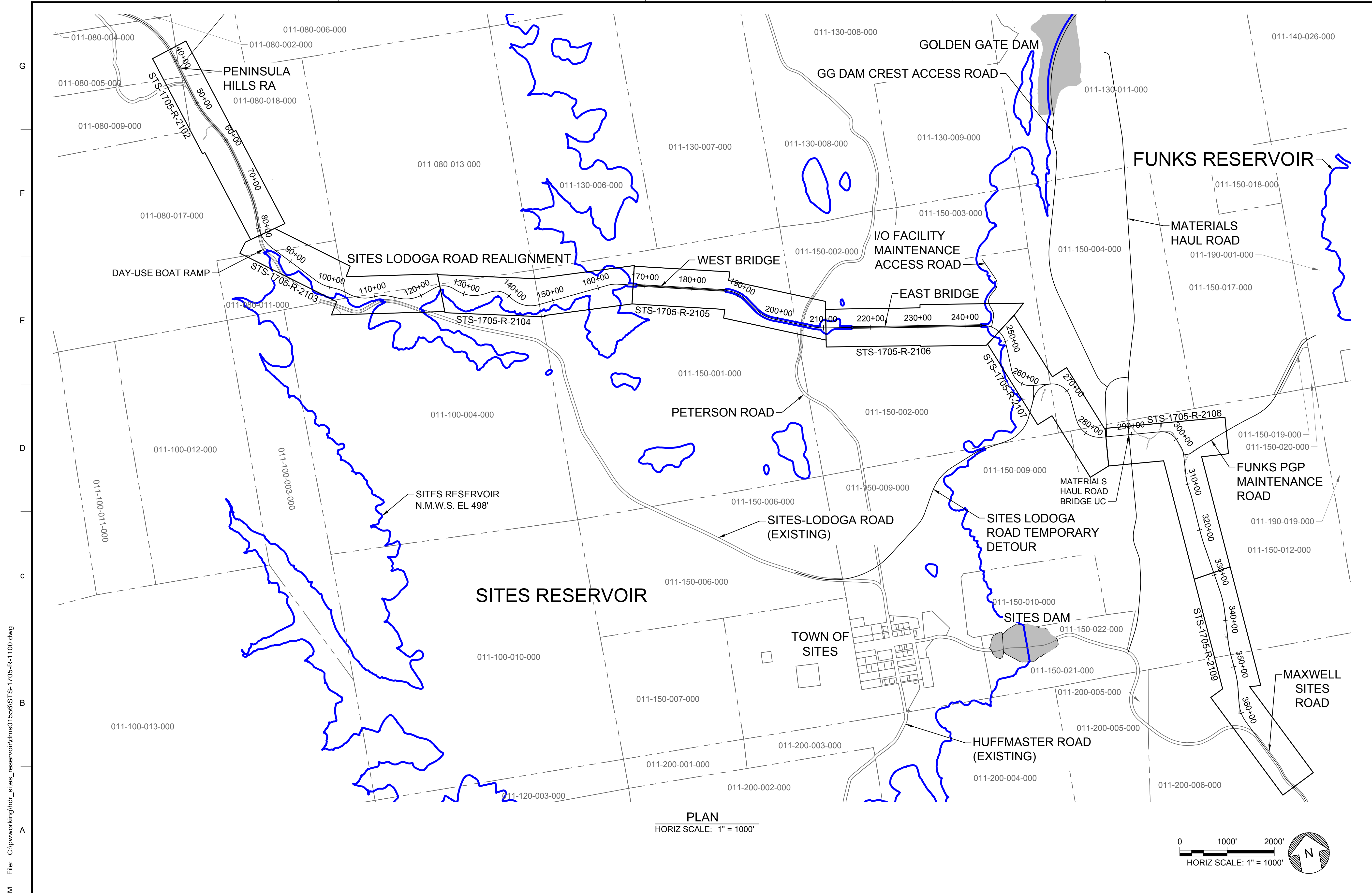
REGISTERED PROFESSIONAL ENGINEER  
V. DOCTOLERO  
C78231  
CALIFORNIA



**SITES RESERVOIR**  
SITES RESERVOIR ROADWAY  
GENERAL  
RETAINING WALLS DESIGN DESIGNATION

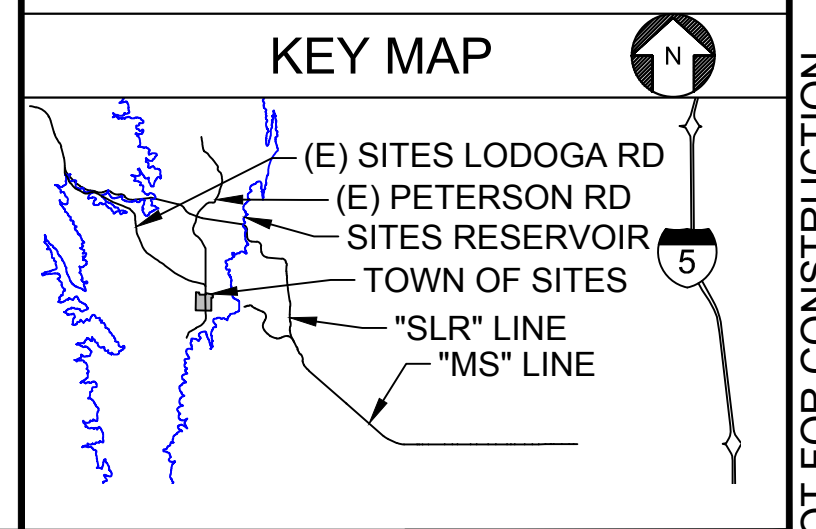
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BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
0 1"  
DRAWING NO.  
STS-1700-R-0007  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



**GENERAL NOTES**

1. RIGHT OF WAY DATA SHOWN IS FROM COUNTY GIS DATA PROVIDED IN 2020.
2. REFER TO THE GENERAL RESERVOIR ARRANGEMENT PLAN AND FEATURE LOCATION NAME LIST SHEETS FOR ADDITIONAL INFORMATION NOT SHOWN.



File: C:\pwworking\hdr\_sites\_reservoir\dms01556\STS-1705-R-1100.dwg  
 Plot Date: 3/21/2024 2:55 PM  
 Saved By: JUSTIN CHANZ

DESIGNED BY:	V. DOCTOLERO
DRAWN BY:	E. SMITH
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

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

REGISTERED PROFESSIONAL ENGINEER  
 V. DOCTOLERO  
 C78231  
 CALIFORNIA



**SITES RESERVOIR**  
 SITES RESERVOIR ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 KEY MAP INDEX

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

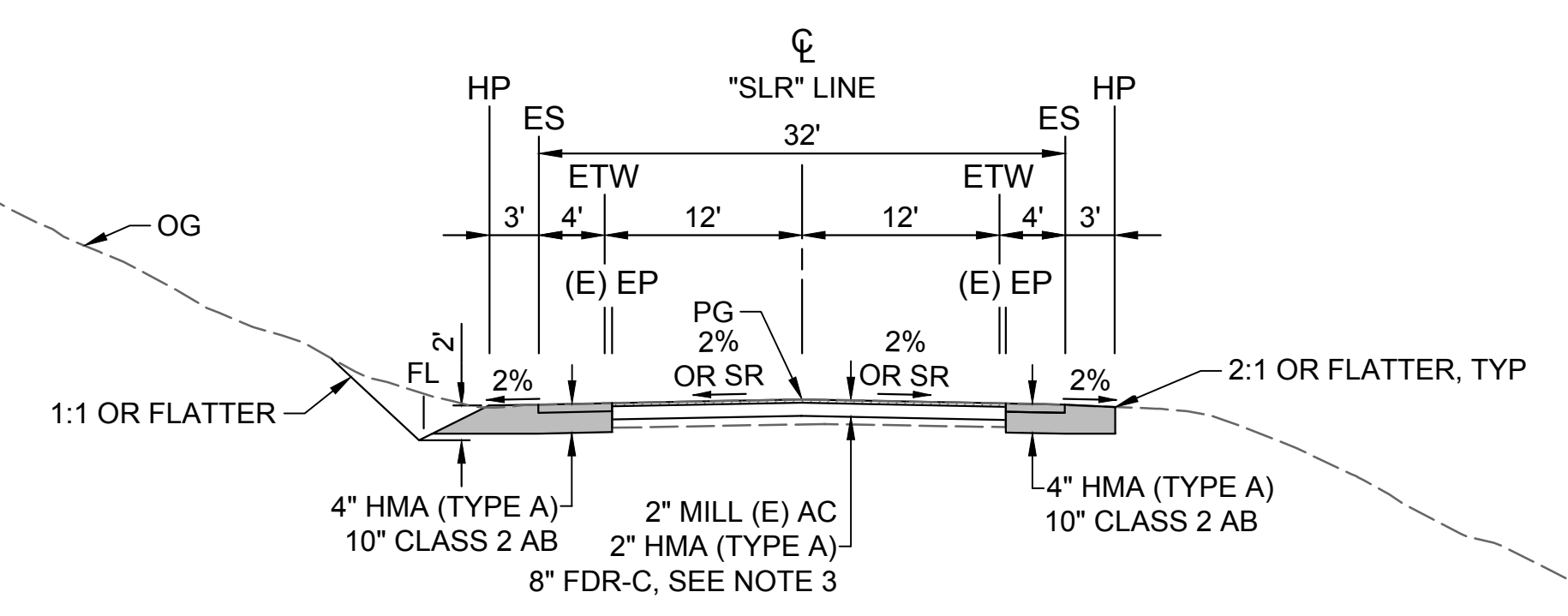
0 1000' 2000'  
 HORIZ SCALE: 1" = 1000'

DRAWING NO.  
 STS-1705-R-1100  
 SHT OF

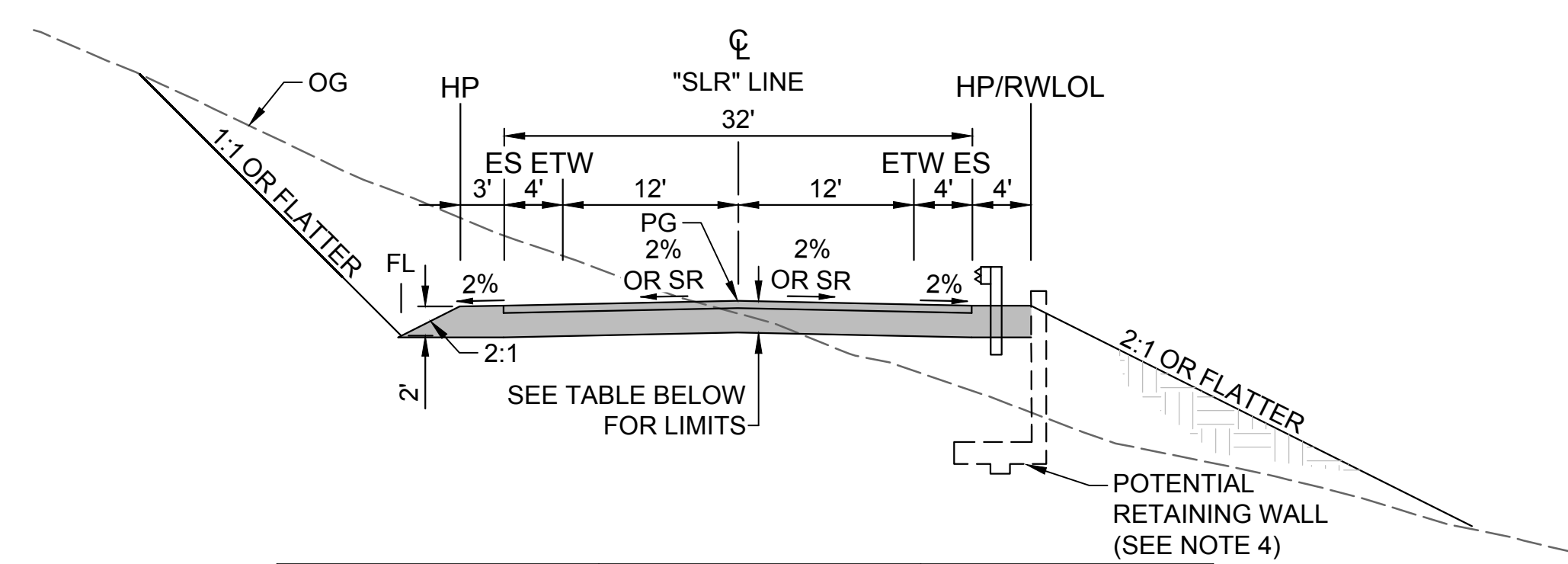
30% SUBMITTAL - NOT FOR CONSTRUCTION

**GENERAL NOTES**

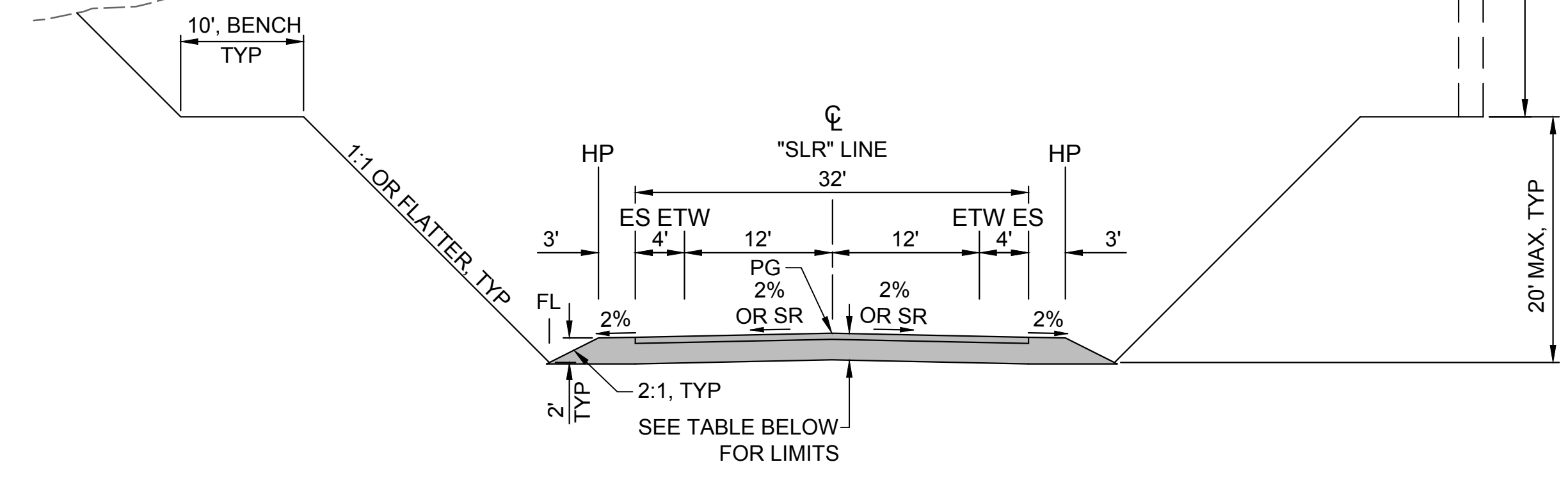
- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE CALTRANS STANDARD SPECIFICATIONS. PAVEMENT STRUCTURAL SECTIONS ARE PENDING GEOTECHNICAL INVESTIGATIONS.
- SUPERELEVATION RATES ARE SHOWN ON THE SUPERELEVATION DIAGRAMS. REFER TO THE PROFILE AND SUPERELEVATION SHEETS.
- FULL DEPTH RECLAMATION AND MIX DESIGN TO BE COMPLETED AT A LATER DATE. PAVEMENT SECTIONS ARE BASED ON GEOTECHNICAL RECOMMENDATIONS.
- REFER TO THE ROADWAY PLAN AND CONSTRUCTION DETAIL SHEETS FOR INFORMATION NOT SHOWN.
- PAVEMENT STRUCTURAL SECTION TO BE CONSTRUCTED ON COMPACTED NATIVE MATERIAL.
- GEOTECHNICAL INFORMATION AND FIELD INVESTIGATIONS NEEDED TO DETERMINE CUT AND FILL SLOPES, AND RETAINING WALL LIMITS. POTENTIAL RETAINING WALL PLACEMENT IS PRELIMINARY, SEE LAYOUT PLANS FOR APPROXIMATE LIMITS.
- PAVEMENT DELINEATION SHOWN IS FINAL STRIPING.



FROM	TO
41+61.74	79+54.33



FROM	TO	STRUCTURAL SECTION
79+54.33	82+20.00	4" HMA (TYPE A) 10" CLASS 2 AB
108+20.00	114+70.00	
122+90.00	124+00.00	
136+75.00	137+50.00	
147+00.00	149+70.00	
158+20.00	158+70.00	
165+80.00	166+40.00	
212+20.00	213+10.00	5" HMA (TYPE A) 22" CLASS 2 AB
250+40.00	251+20.00	



FROM	TO	STRUCTURAL SECTION
82+20.00	85+50.00	4" HMA (TYPE A) 10" CLASS 2 AB
87+70.00	92+20.00	
96+70.00	99+50.00	
104+70.00	108+20.00	
114+70.00	122+90.00	
126+00.00	127+70.00	
129+10.00	136+75.00	
140+30.00	147+00.00	
151+30.00	153+60.00	
158+70.00	165+80.00	
209+30.00	212+20.00	

FROM	TO	STRUCTURAL SECTION
245+00.00	250+40.00	5" HMA (TYPE A) 20" CLASS 2 AB
251+20.00	261+39.90	
274+00.00	279+40.00	
281+30.00	283+50.00	
302+40.00	302+64.68	
304+85.49	310+20.00	
311+25.00	312+00.00	
324+20.00	327+50.00	
331+00.00	334+50.00	
342+00.00	346+00.00	
363+00.00	368+59.95	

"SLR" LINE  
HORIZ SCALE: NO SCALE

Plot Date: 3/22/2024 11:54 AM File: C:\pwworking\hdr\_sites\_reservoir\dms01556\STS-1705-R-1101.dwg Saved By: JUSTIN CHANZ

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
V. DOCTOLERO  
DRAWN BY:  
S. JAIME  
CHECKED BY:  
A. GLEN  
IN CHARGE:  
H. MICHAEL  
DATE:  
03/15/24



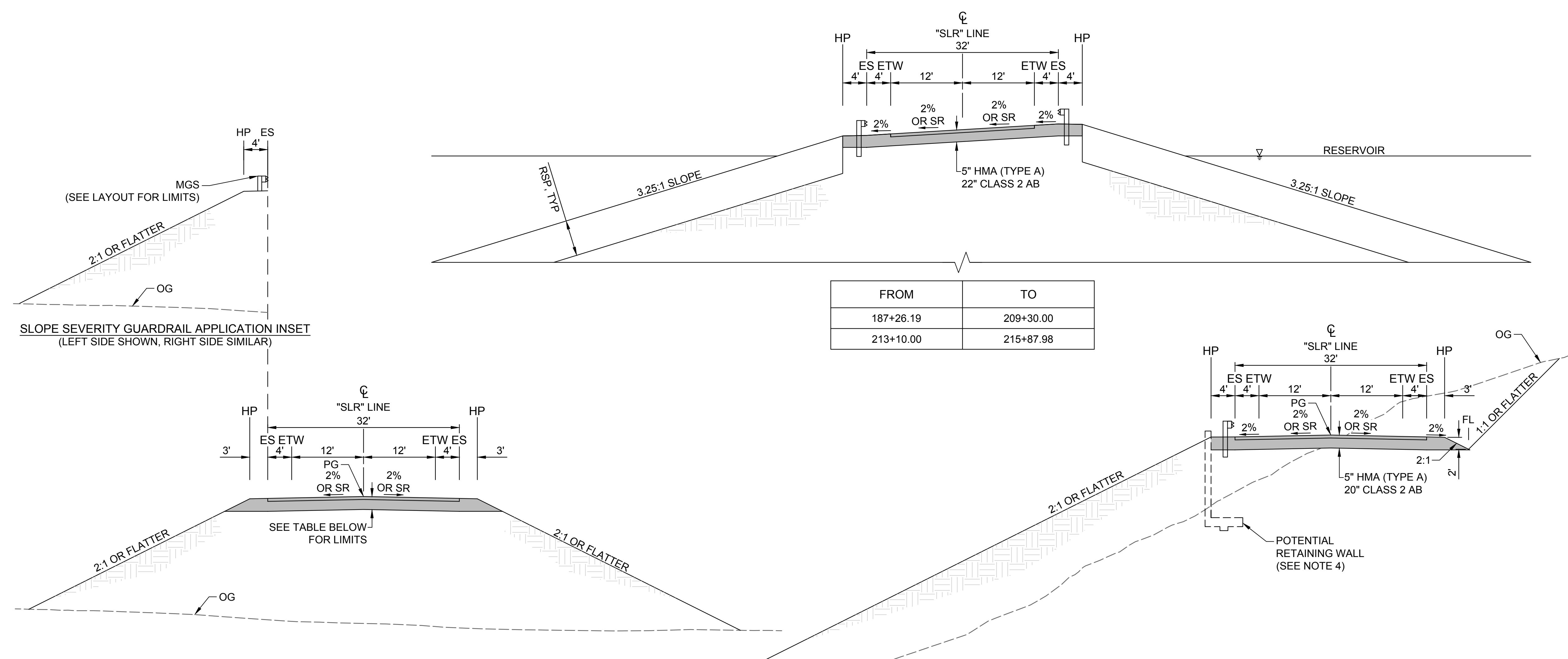
REGISTERED  
PROFESSIONAL  
ENGINEER  
V. DOCTOLERO  
C 78231  
CALIFORNIA



**SITES RESERVOIR**  
SITES RESERVOIR  
ROADWAY  
SITES LODOGA ROAD REALIGNMENT  
TYPICAL SECTIONS

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL  
DRAWING. ADJUST SCALES FOR  
REDUCED PLOTS:  
0 1"  
DRAWING NO.  
STS-1705-R-1101  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



FROM	TO
187+26.19	209+30.00
213+10.00	215+87.98

FROM	TO	STRUCTURAL SECTION
85+50.00	87+70.00	4" HMA (TYPE A) 10" CLASS 2 AB
92+20.00	96+70.00	
99+50.00	104+70.00	
124+00.00	126+00.00	
127+70.00	129+10.00	
137+50.00	140+30.00	
149+70.00	151+30.00	
153+60.00	158+20.00	
166+40.00	168+09.19	

FROM	TO	STRUCTURAL SECTION
243+51.95	245+00.00	5" HMA (TYPE A) 20" CLASS 2 AB
270+90.00	272+20.00	
280+20.00	281+30.00	
283+50.00	288+54.64	
290+11.64	295+70.00	
312+90.00	322+50.00	
348+00.00	349+00.00	
354+10.00	355+25.00	
356+30.00	357+90.00	
359+90.00	360+30.67	
361+68.48	363+00.00	

FROM	TO
263+58.86	270+90.00
272+20.00	274+00.00
279+40.00	280+20.00
295+70.00	302+40.00
310+20.00	311+25.00
312+00.00	312+90.00
322+50.00	324+20.00
327+50.00	331+00.00
334+50.00	342+00.00
346+00.00	348+00.00
349+00.00	354+10.00
355+25.00	356+30.00
357+90.00	359+90.00

"SLR" LINE  
HORIZ SCALE: NO SCALE

Plot Date: 3/22/2024 11:54 AM File: C:\pwworking\hdr\_sites\_reservoir\hms01556\STS-1705-R-1102.dwg Saved By: JUSTIN CHANZ

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: V. DOCTOLERO  
 DRAWN BY: S. JAIME  
 CHECKED BY: A. GLEN  
 IN CHARGE: H. MICHAEL  
 DATE: 03/15/24

2020 L Street, Suite 400  
 Sacramento, CA 95811  
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REGISTERED PROFESSIONAL ENGINEER  
 V. DOCTOLERO  
 C78231  
 CALIFORNIA

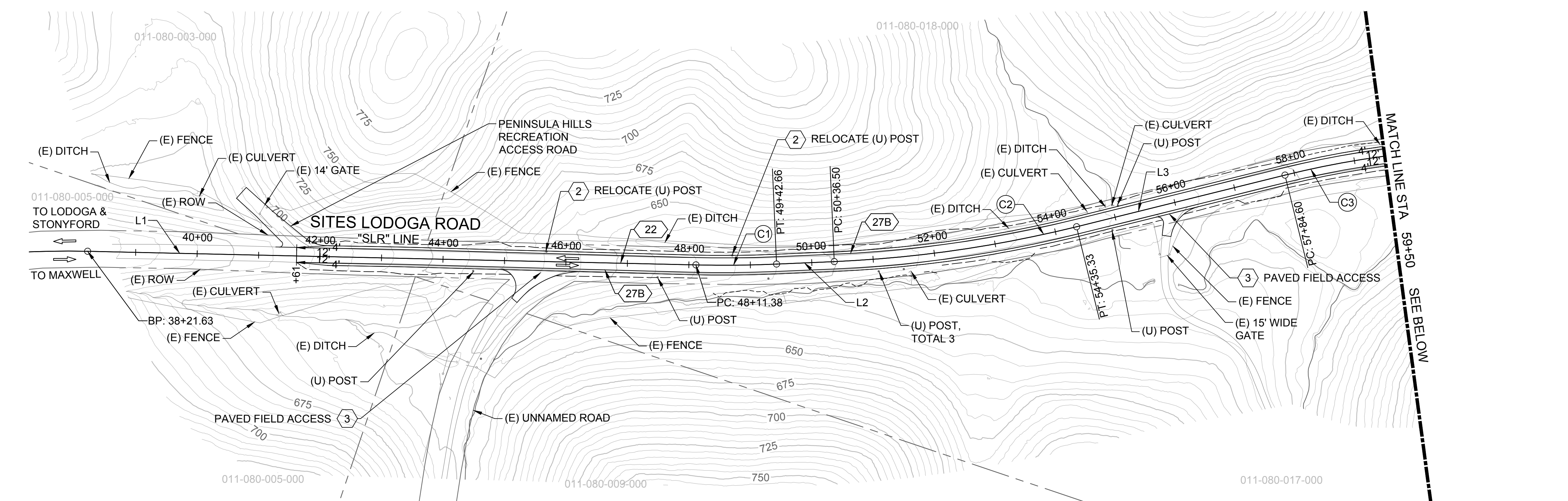
**SITES RESERVOIR**  
 SITES RESERVOIR ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 TYPICAL SECTIONS

VERIFY SCALES  
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 0 1"  
 DRAWING NO. STS-1705-R-1102  
 SHT OF

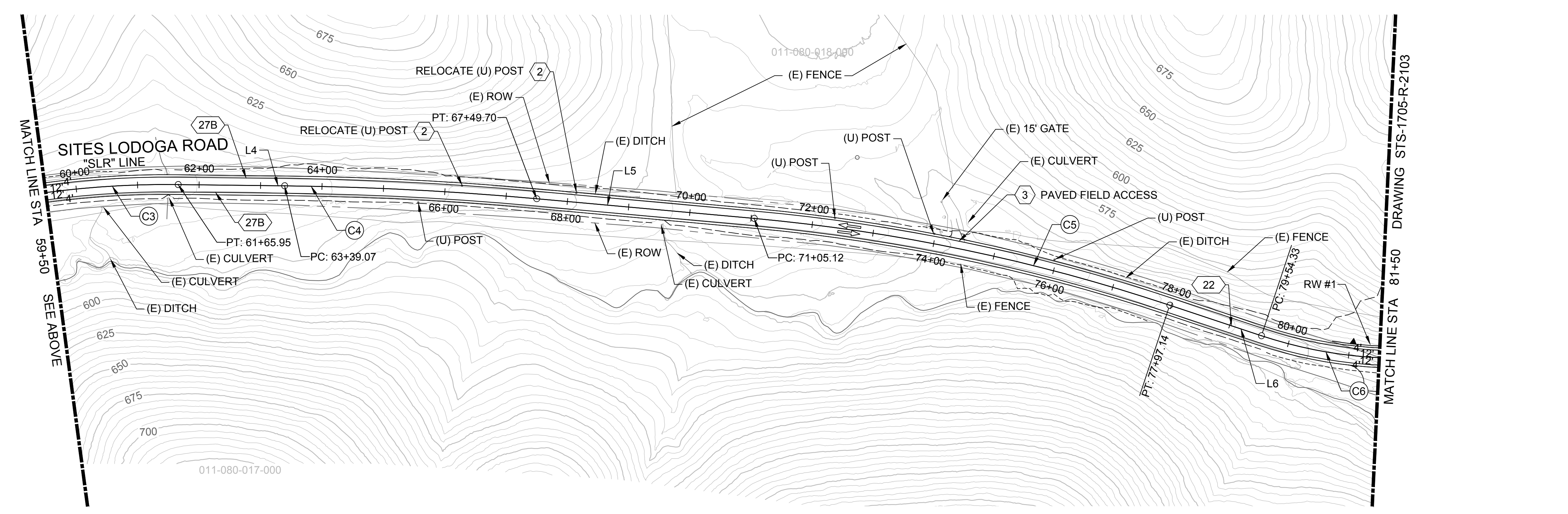
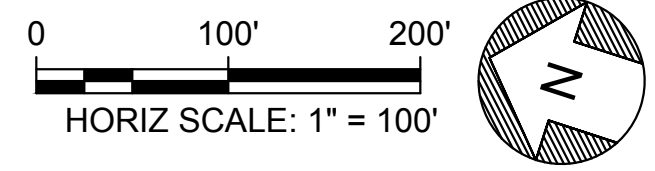
30% SUBMITTAL - NOT FOR CONSTRUCTION

G  
F  
E  
D  
C  
B  
A

Plot Date: 3/21/2024 2:48 PM  
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File: c:\pwworking\hdr\_sites\_reservoir\dmso1556\STS-1705-R-2102.dwg



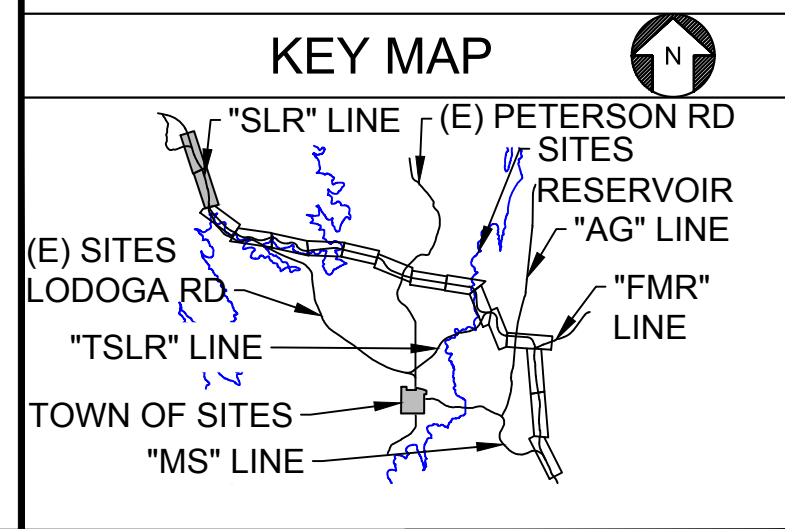
**PLAN**  
HORIZ SCALE: 1" = 100'



**PLAN**  
HORIZ SCALE: 1" = 100'

- NOTES**
- FOR EXISTING ELEMENTS TO BE REMOVED, ABANDONED OR RESET, REFER TO THE DEMOLITION SHEETS. THESE WILL BE DEVELOPED IN A LATER DESIGN PHASE.
  - RIGHT OF WAY DATA SHOWN IS FROM COUNTY GIS DATA PROVIDED IN 2020.
  - REFER TO CONSTRUCTION DETAIL SHEETS FOR ADDITIONAL INFORMATION NOT SHOWN.
  - GEOTECHNICAL INFORMATION AND FIELD INVESTIGATIONS NEEDED TO DETERMINE PAVEMENT STRUCTURAL SECTIONS AND RETAINING WALL LIMITS.
  - PROPOSED DRAINAGE CULVERTS, BOX CULVERTS, AND DITCHES ARE CONCEPTUAL FOR 30% DESIGN. HYDROLOGY AND HYDRAULICS ANALYSIS WILL BE PERFORMED IN A LATER DESIGN PHASE TO APPROPRIATELY SIZE FOR ROADWAY DRAINAGE AND CONVEYANCE.
  - PAVEMENT DELINEATION SHOWN IS FINAL STRIPING.
  - FOR CURVE AND TANGENT ALIGNMENT DATA, REFER TO THE LINE AND CURVE GEOMETRY UNDER THE GENERAL PROJECT SHEETS WITH STS-0001-G DESIGNATION.
  - CONCEPTUAL PENINSULA HILLS RECREATIONAL ENTRANCE SHOWN. RECREATIONAL ROADS ARE NOT INCLUDED IN THIS DESIGN SET. THESE WILL BE DEVELOPED AT 60%.

- SHEET KEY NOTES**
- UTILITY RELOCATION TO BE COORDINATED WITH THE UTILITY OWNER IN A LATER DESIGN PHASE.
  - UNIDENTIFIED FEATURE DETERMINED FROM AERIAL SURVEY FIELD VERIFICATION OR SURVEY INFORMATION IS REQUIRED FOR PROPOSED DESIGN.
  - RECONSTRUCT DRIVEWAY OR FIELD ACCESS AND MAINTAIN ACCESS DURING CONSTRUCTION.
  - GUARD RAILING LIMITS SHOWN ARE PRELIMINARY AND WILL BE FURTHER EVALUATED AT A LATER DESIGN PHASE.



DESIGNED BY:	V. DOCTOLERO
DRAWN BY:	E. SMITH
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

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

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C78231  
CALIFORNIA



**SITES RESERVOIR**  
SITES RESERVOIR ROADWAY  
SITES LODOGA ROAD REALIGNMENT  
PLAN

**VERIFY SCALES**

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

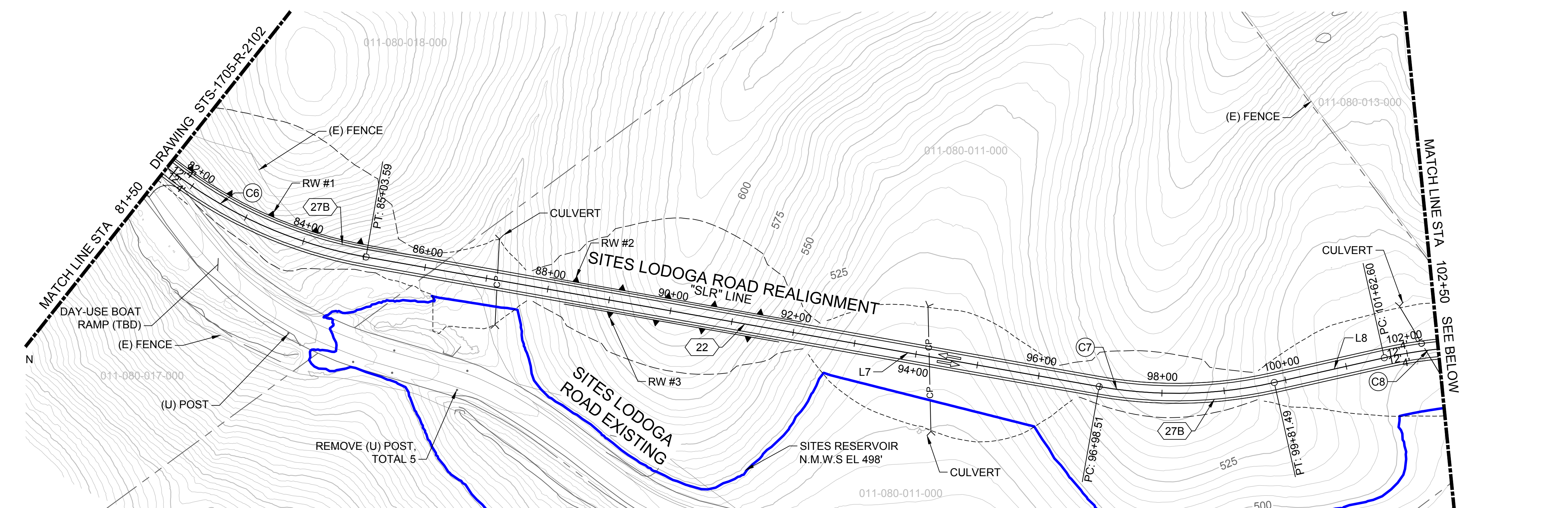
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DRAWING NO. STS-1705-R-2102  
SHT OF

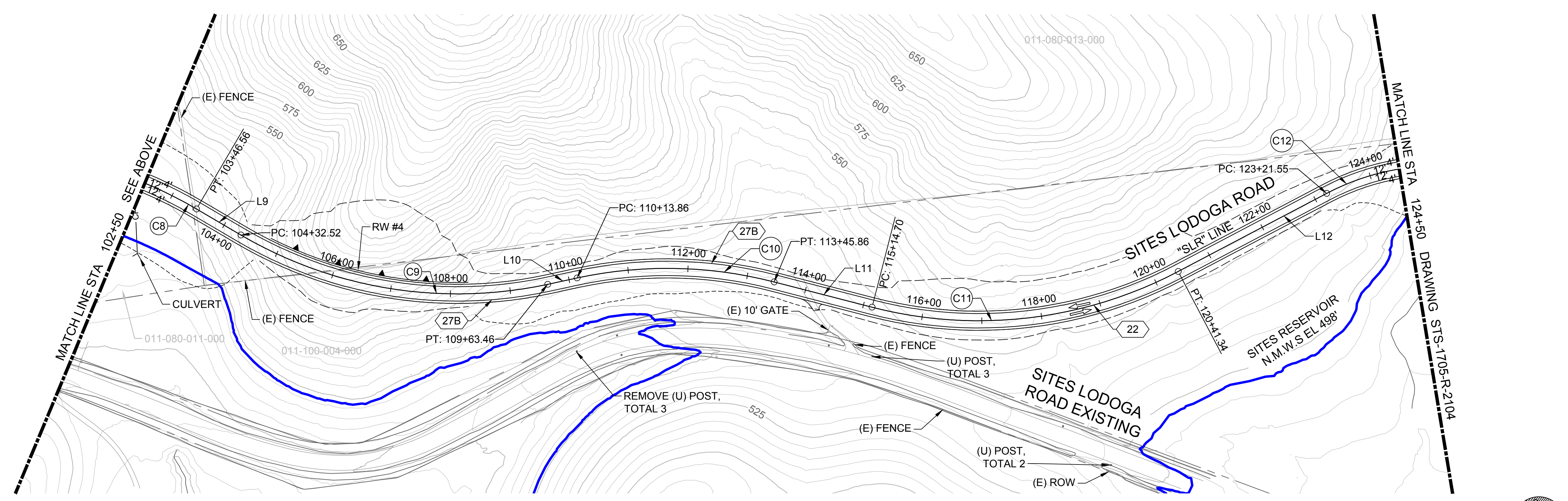
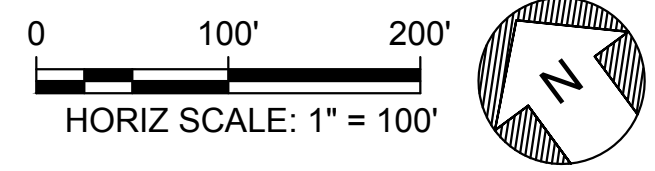
30% SUBMITTAL - NOT FOR CONSTRUCTION

**NOTES**

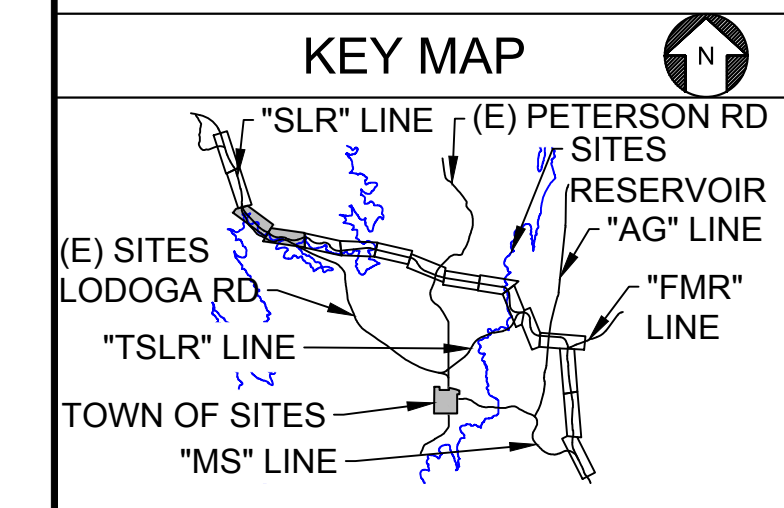
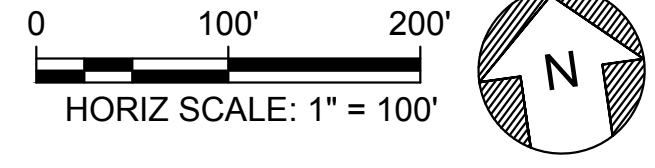
1. CONCEPTUAL DAY-USE BOAT RAMP ENTRANCE SHOWN, RECREATIONAL ROADS ARE NOT INCLUDED IN THIS DESIGN SET. THESE WILL BE DEVELOPED AT 60%.



**PLAN**  
HORIZ SCALE: 1" = 100'



**PLAN**  
HORIZ SCALE: 1" = 100'



File: c:\pwworking\hdr\_sites\_reservoir\dmso15568\STS-1705-R-2103.dwg  
Plot Date: 3/21/2024 2:49 PM  
Saved By: JUSTIN.CHANZ

DESIGNED BY:	V. DOCTOLERO
DRAWN BY:	E. SMITH
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

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REGISTERED PROFESSIONAL ENGINEER  
V. DOCTOLERO  
C78231  
CALIFORNIA



**SITES RESERVOIR**  
SITES RESERVOIR ROADWAY  
SITES LODOGA ROAD REALIGNMENT  
PLAN

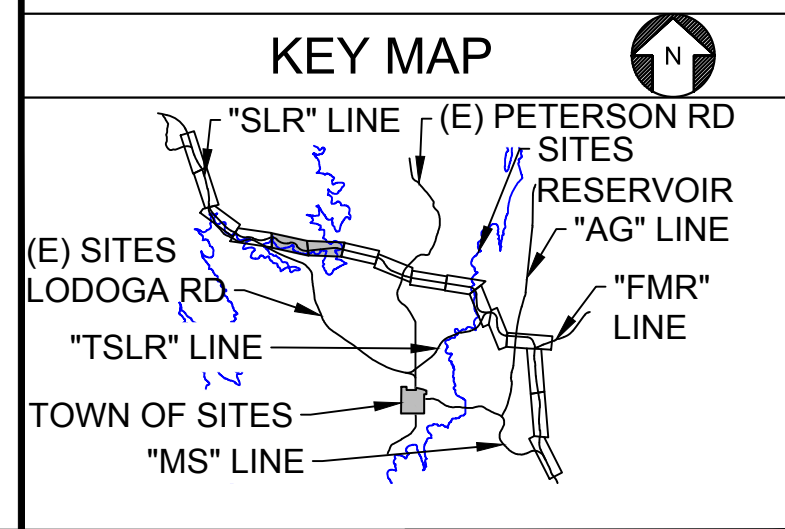
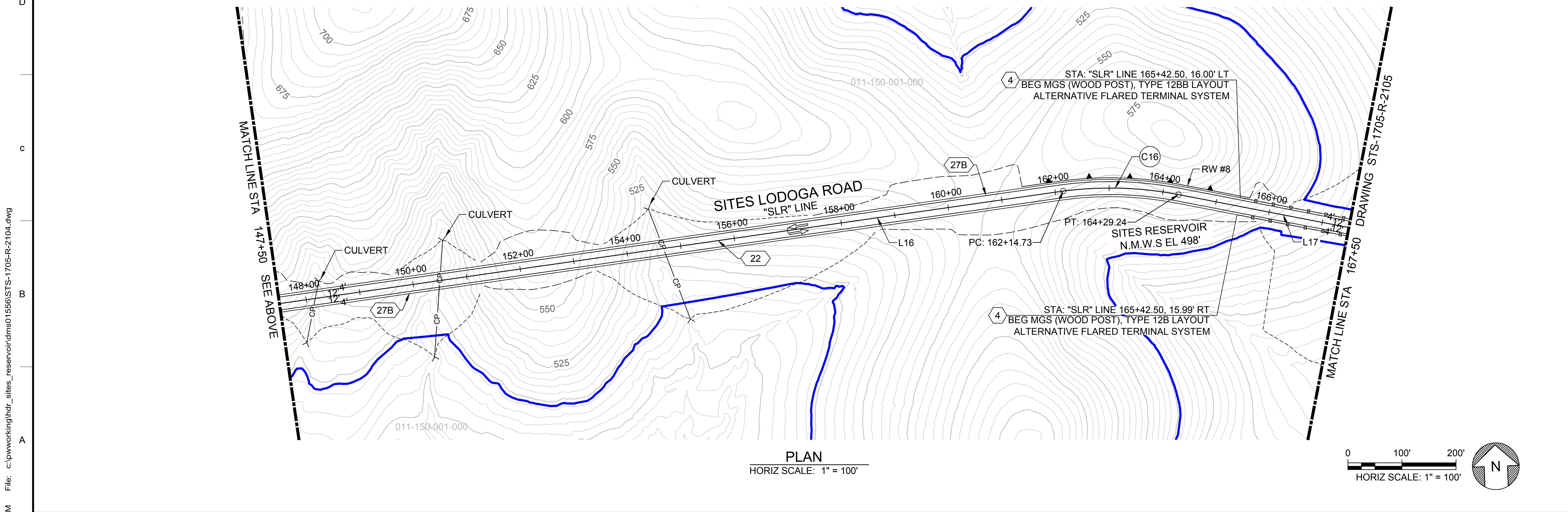
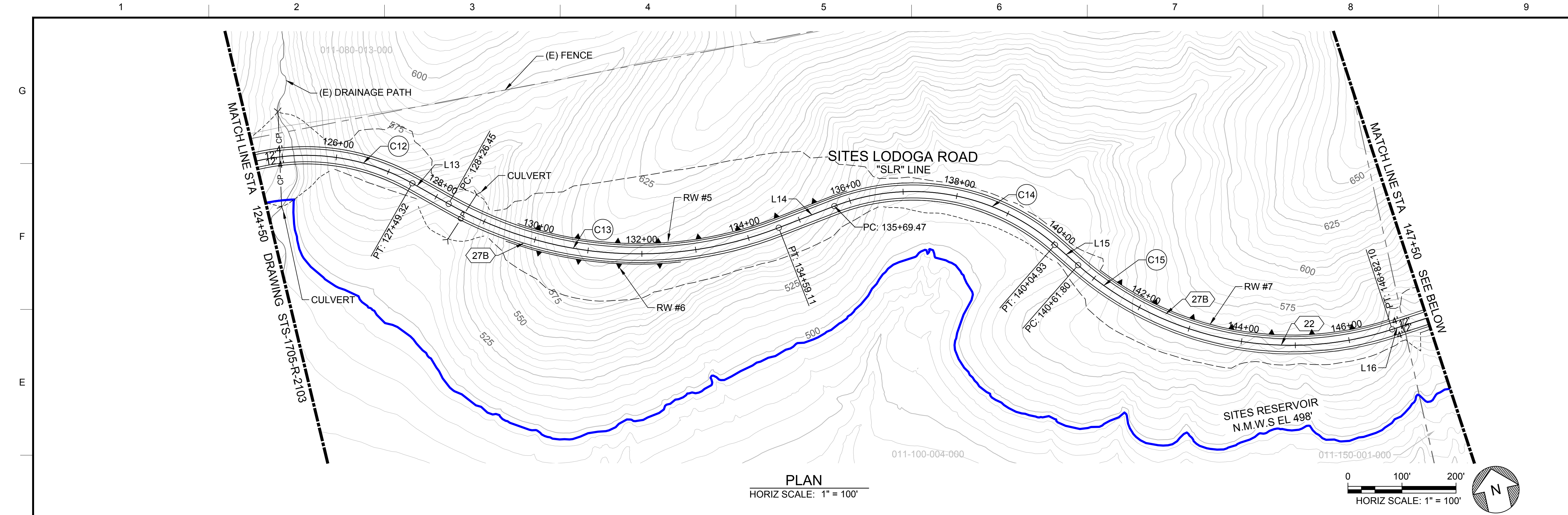
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BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

0 100 200 1"

DRAWING NO.  
STS-1705-R-2103  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

Plot Date: 3/21/2024 2:54 PM  
 Saved By: SMITHET3  
 File: c:\pwworking\hdr\_sites\_reservoir\dmso1556\STS-1705-R-2104.dwg



DESIGNED BY:	V. DOCTORO
DRAWN BY:	E. SMITH
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

**AECOM**  
 2020 L Street, Suite 400  
 Sacramento, CA 95811  
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REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA

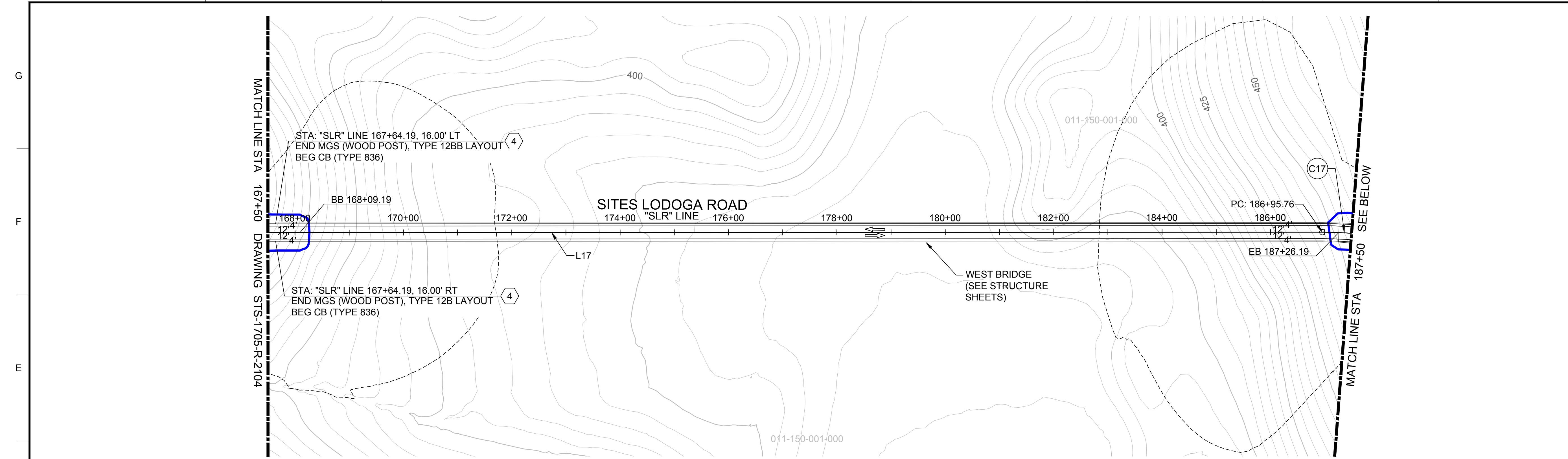


**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 PLAN

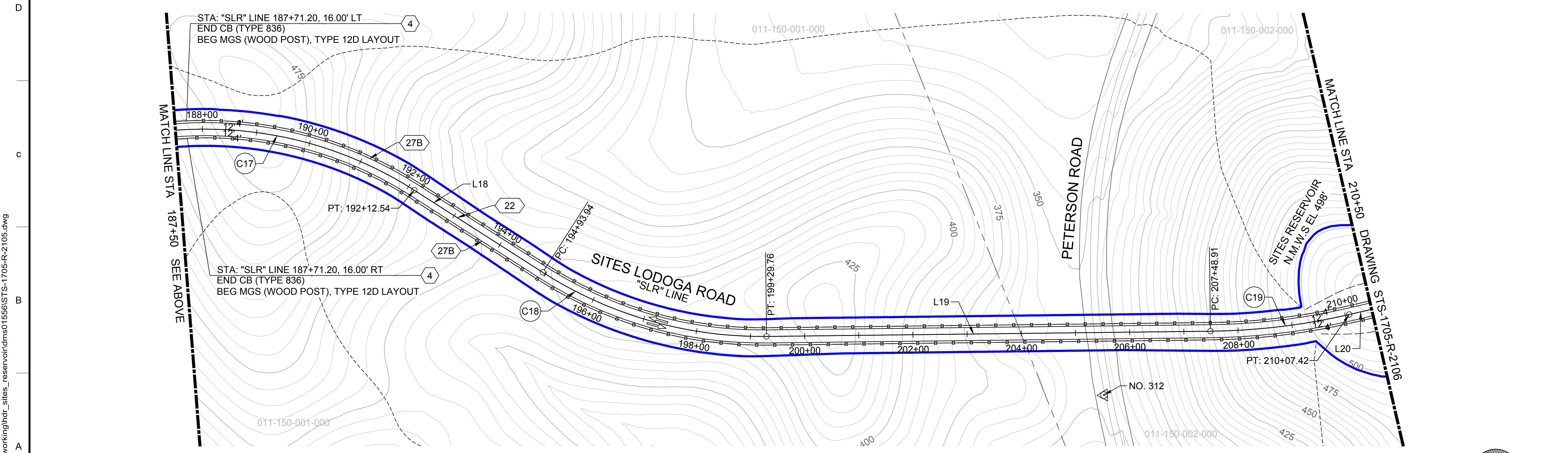
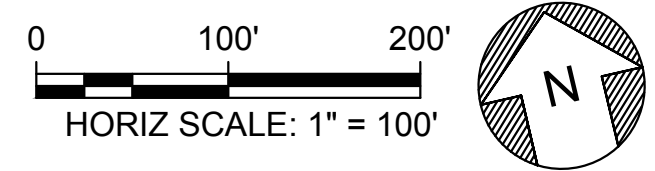
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 DRAWING. ADJUST SCALES FOR  
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30% SUBMITTAL - NOT FOR CONSTRUCTION

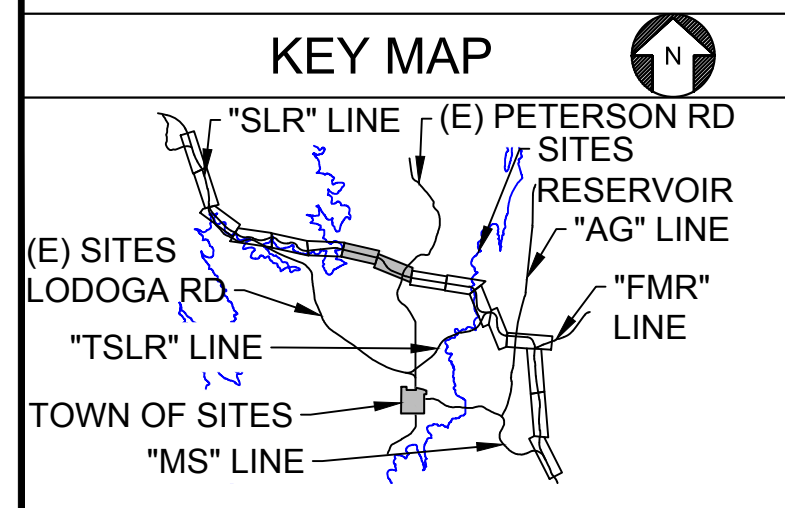
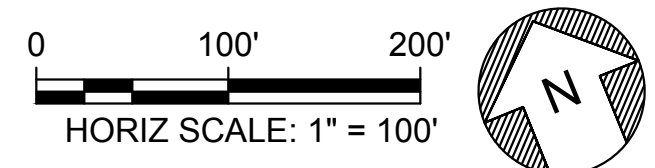
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PLAN  
 HORIZ SCALE: 1" = 100'



PLAN  
 HORIZ SCALE: 1" = 100'



DESIGNED BY:	V. DOCTORO
DRAWN BY:	E. SMITH
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

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

REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA

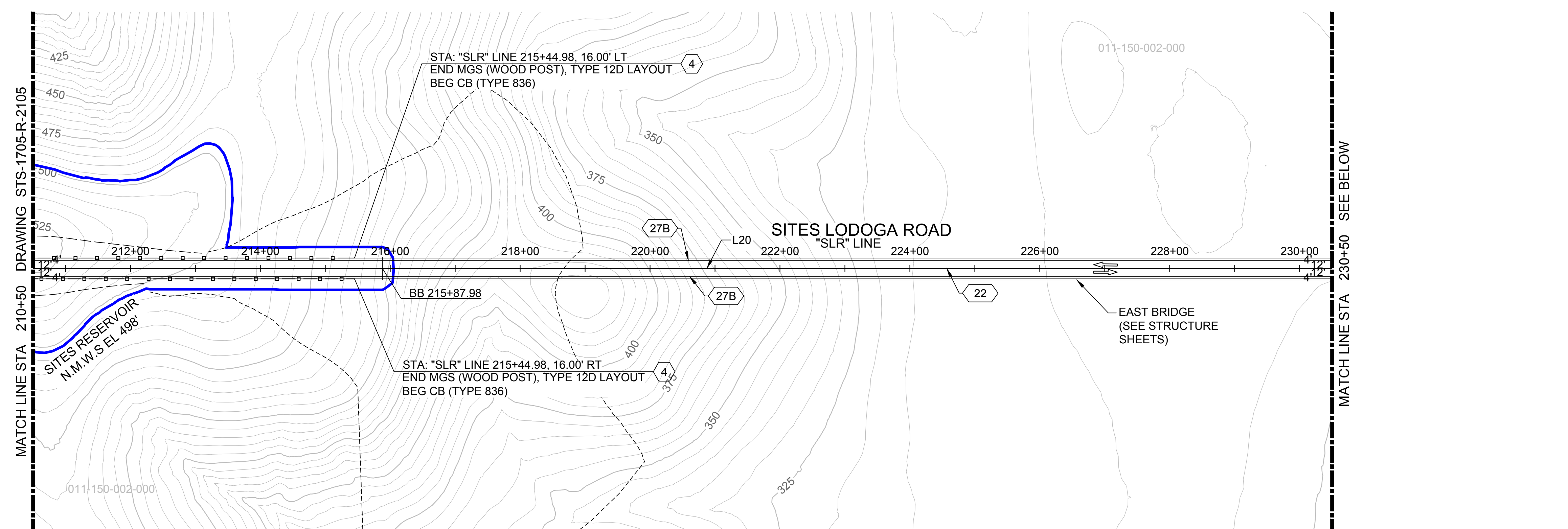


**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 PLAN

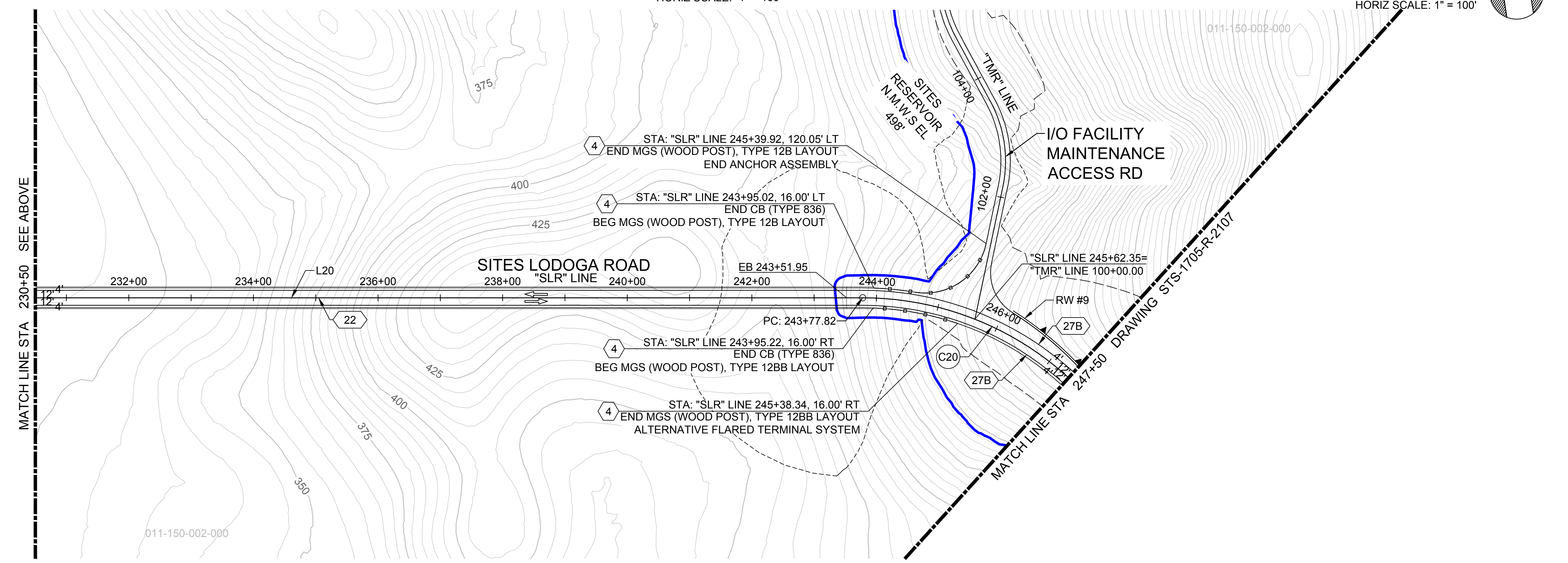
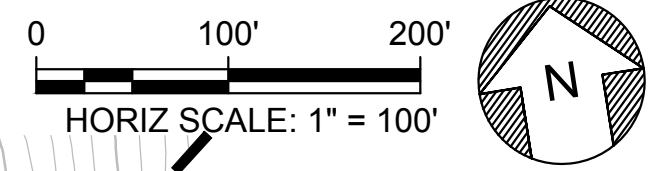
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 DRAWING. ADJUST SCALES FOR  
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 STS-1705-R-2105  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

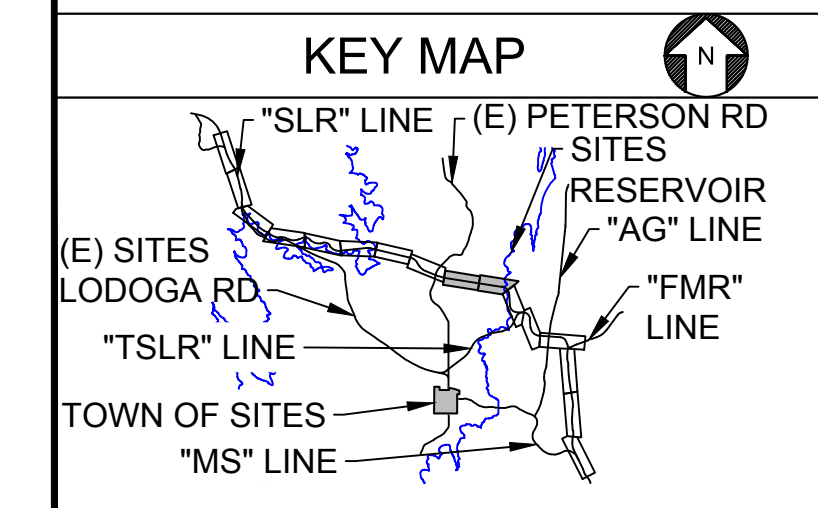




PLAN  
HORIZ SCALE: 1" = 100'



PLAN  
HORIZ SCALE: 1" = 100'



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REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	V. DOCTORO
DRAWN BY:	E. SMITH
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

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 Sacramento, CA 95811  
 TEL: 916.414.5800

REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA

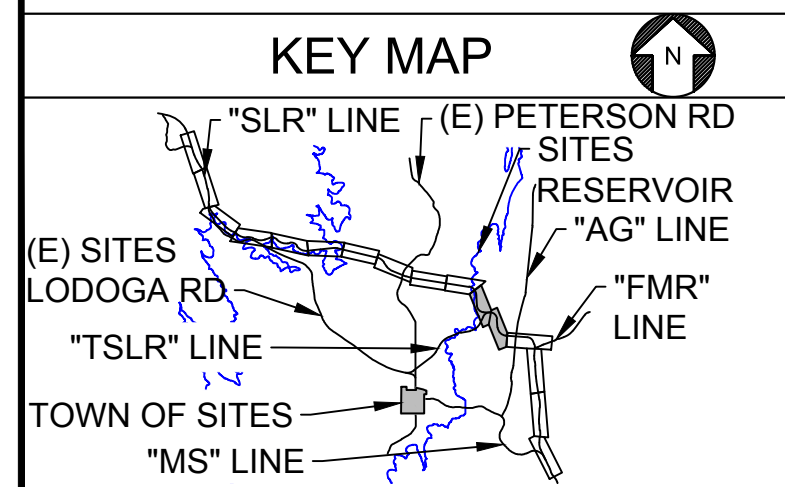
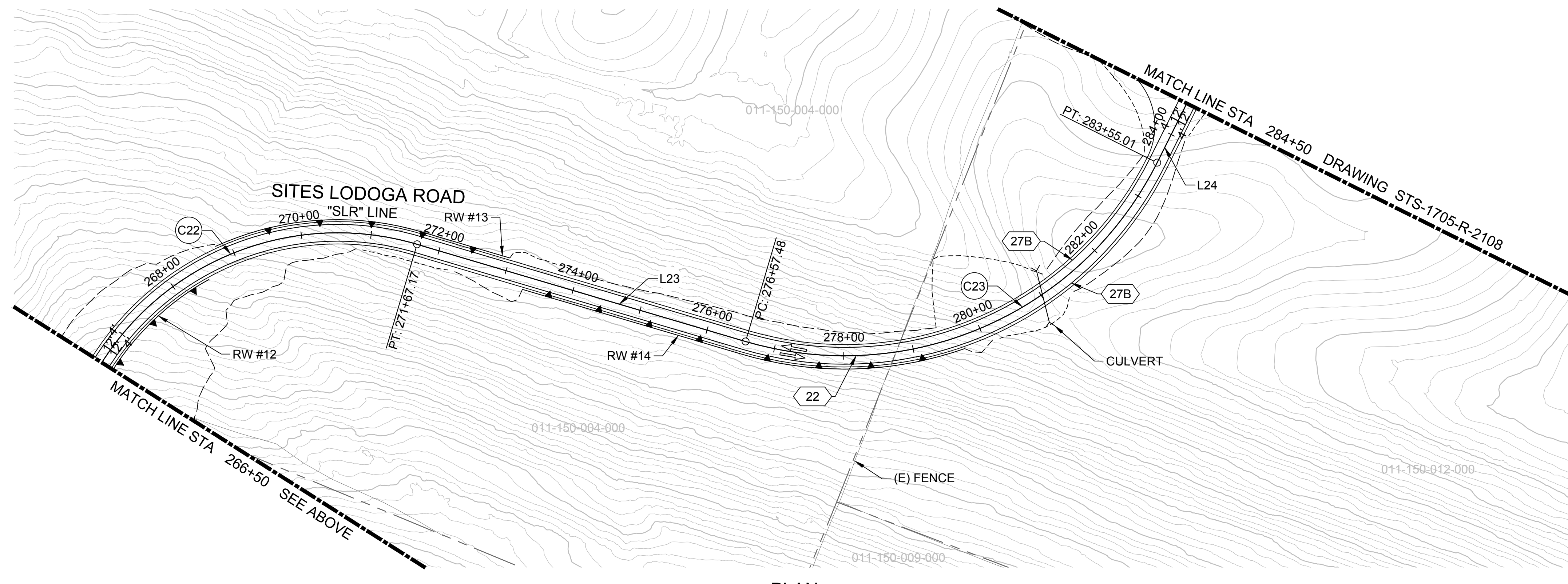
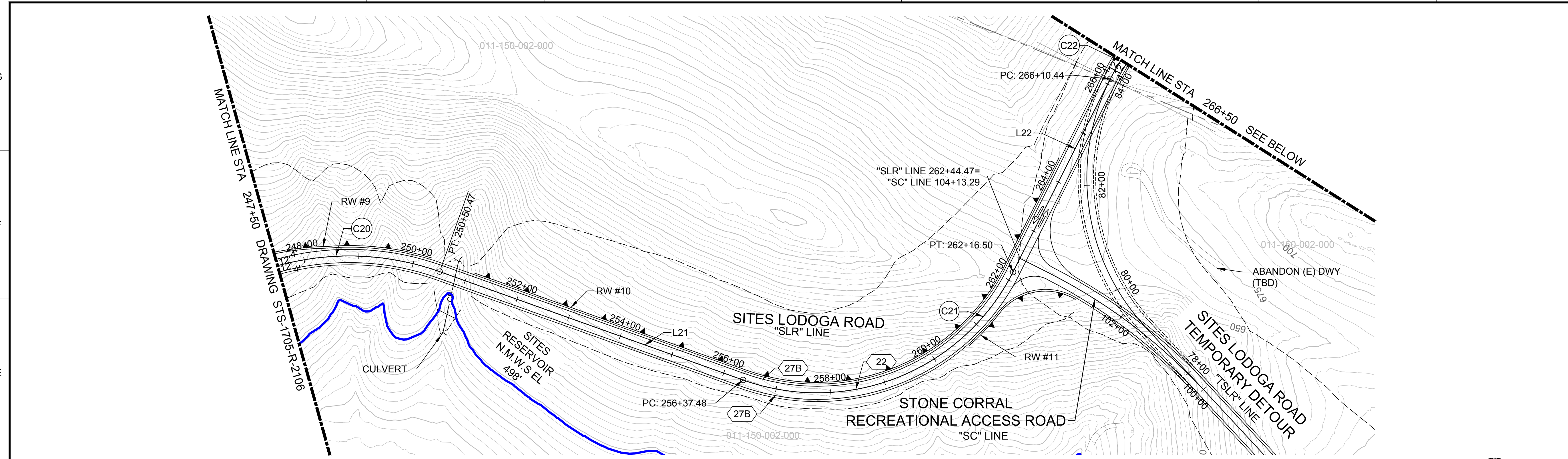


**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 PLAN

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO.	STS-1705-R-2106
SHT	OF

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 File: C:\pwworking\hdr\_sites\_reservoir\dmso1556\STS-1705-R-2107.dwg



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
V. DOCTORO

DRAWN BY:  
E. SMITH

CHECKED BY:  
A. GLEN

IN CHARGE:  
H. MICHAEL

DATE:  
03/15/24



REGISTERED PROFESSIONAL ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA

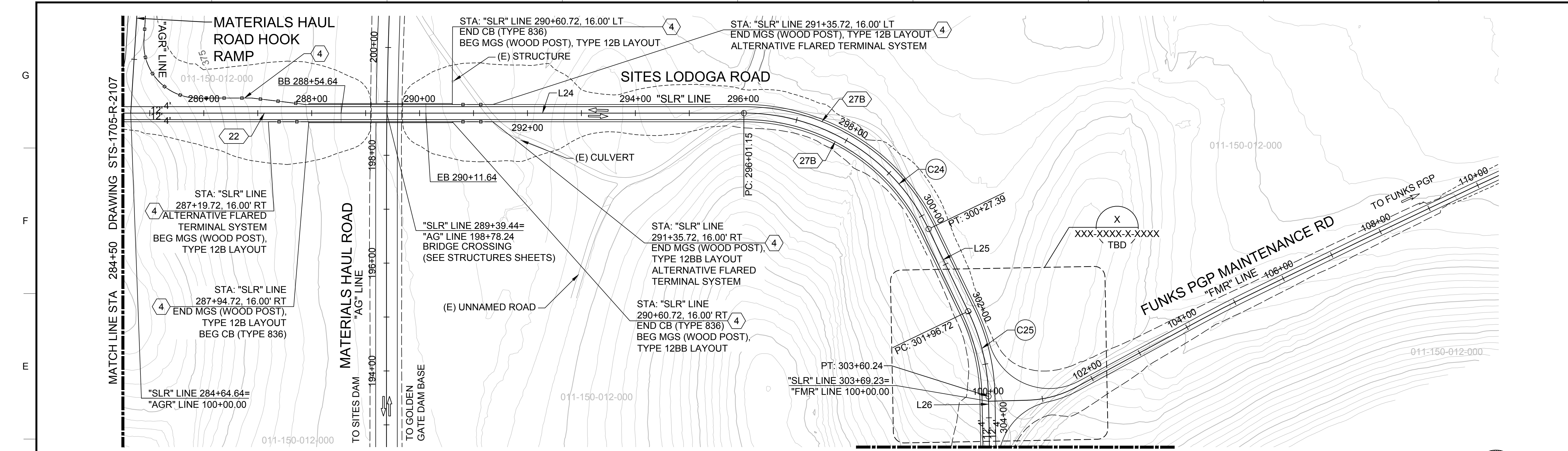


SITES RESERVOIR  
 SITES LODOGA ROAD REALIGNMENT  
 PLAN

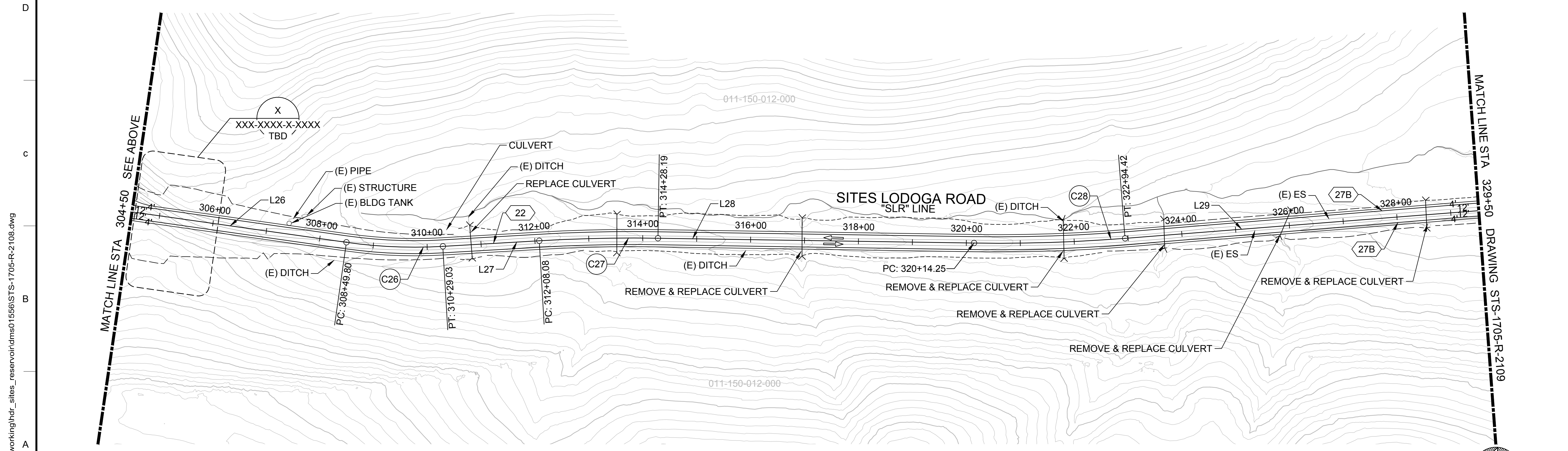
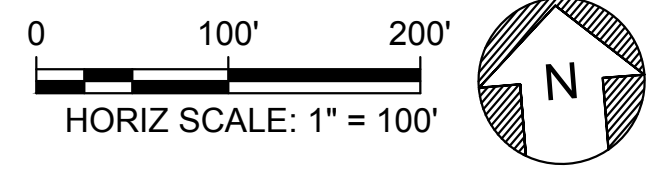
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DRAWING NO.  
 STS-1705-R-2107  
 SHT OF

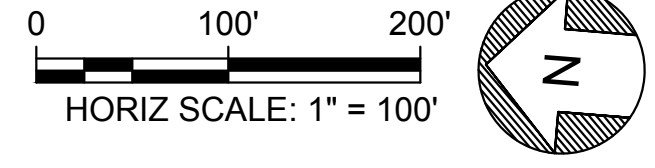
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN  
HORIZ SCALE: 1" = 100'

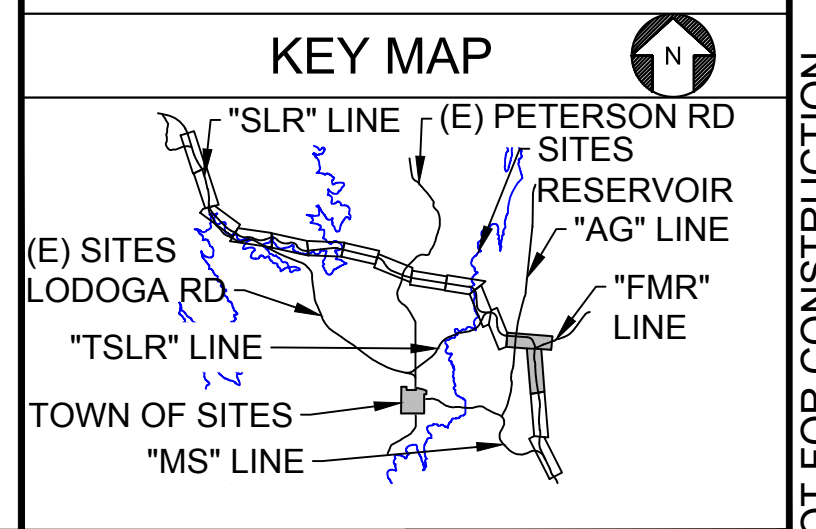


PLAN  
HORIZ SCALE: 1" = 100'



**NOTES**

- FOR FUNKS POWER GENERATING PLANT MAINTENANCE ROAD, SEE MAINTENANCE ACCESS ROAD SHEETS AND MAXWELL-SITES PUMPING GENERATING SEPARATE PLANS.



DESIGNED BY:	V. DOCTOLERO
DRAWN BY:	E. SMITH
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

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

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C78231  
CALIFORNIA

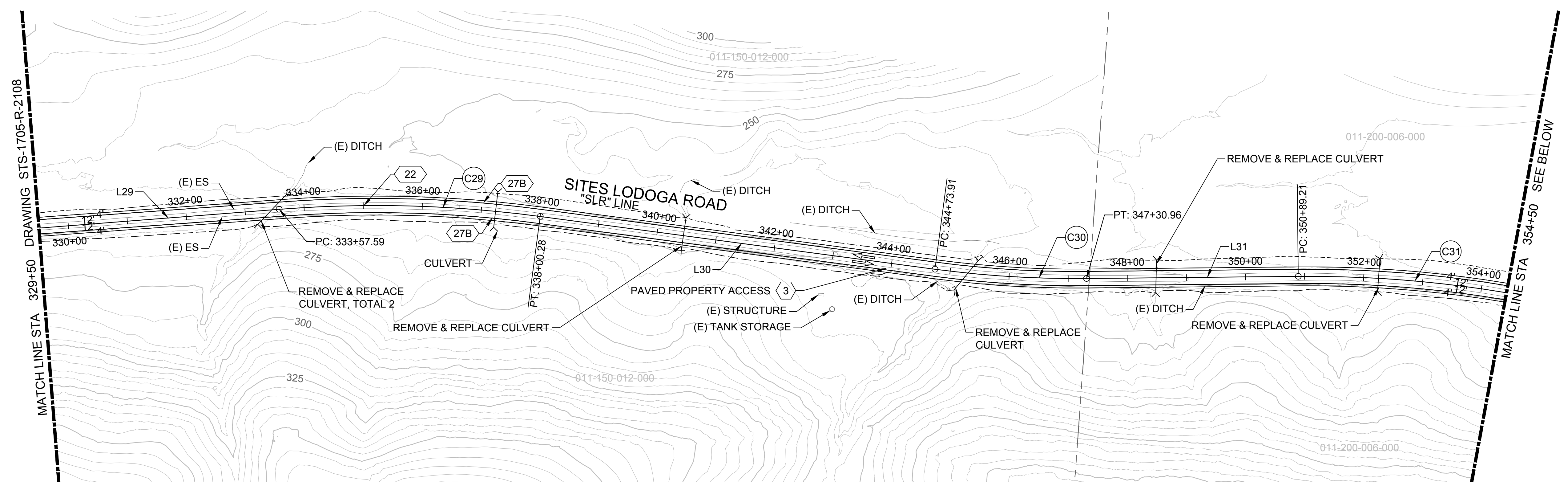


**SITES RESERVOIR**  
SITES RESERVOIR ROADWAY  
SITES LODOGA ROAD REALIGNMENT  
PLAN

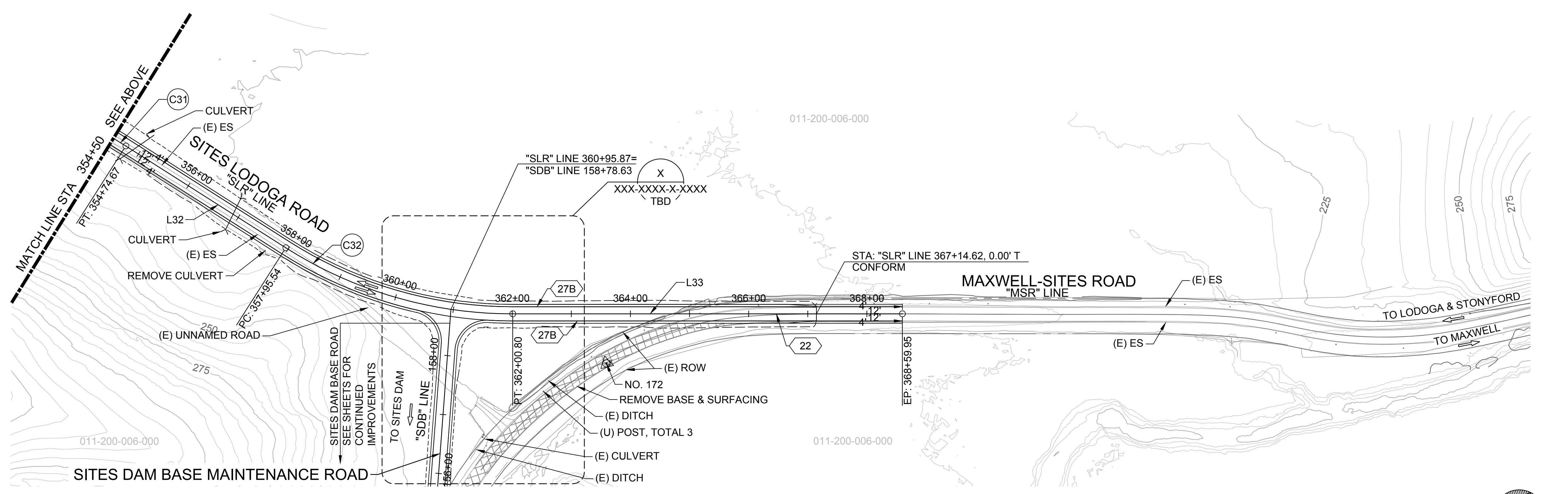
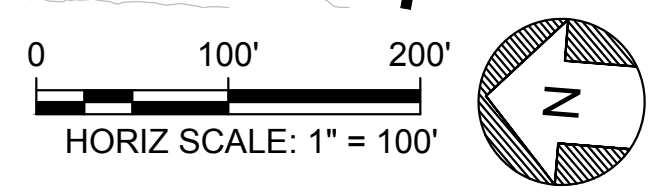
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STS-1705-R-2108  
SHT OF

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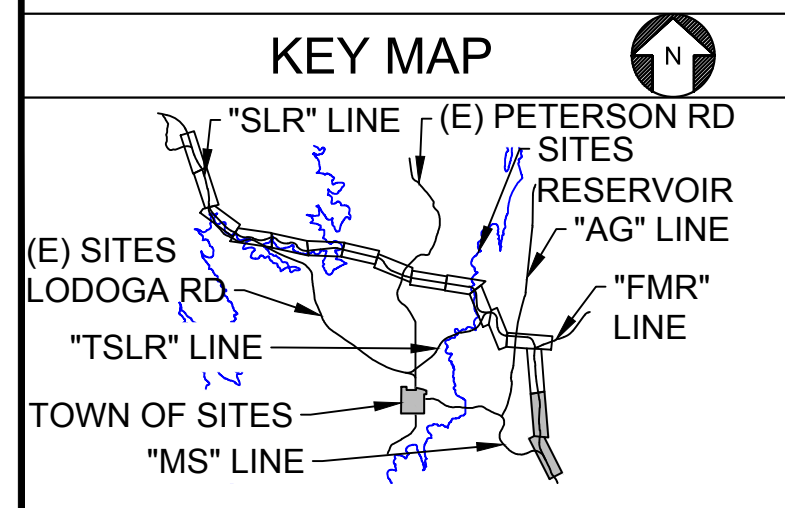
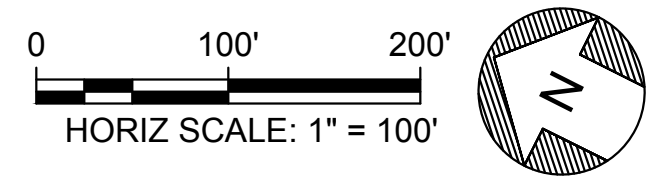
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PLAN  
HORIZ SCALE: 1" = 100'



PLAN  
HORIZ SCALE: 1" = 100'



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REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	V. DOCTOLERO
DRAWN BY:	E. SMITH
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

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

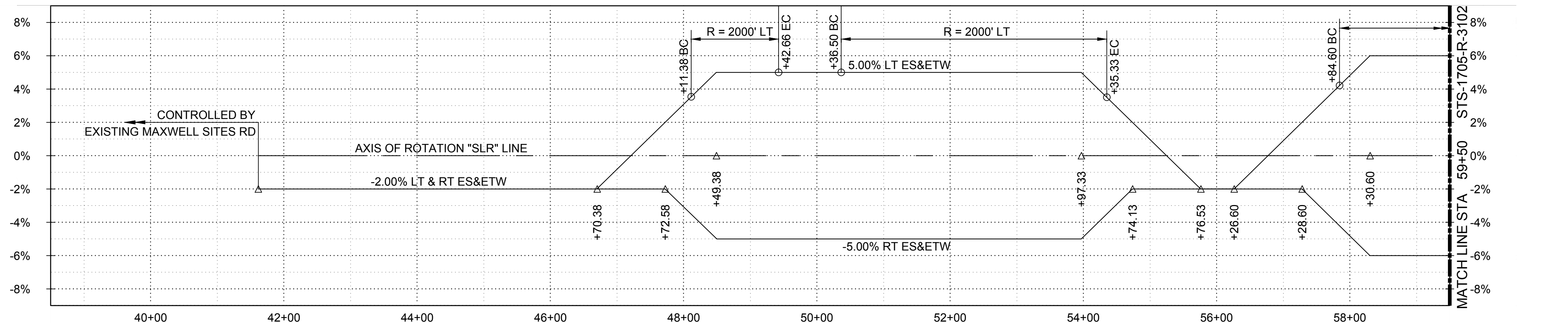
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V. DOCTOLERO  
C78231  
CALIFORNIA



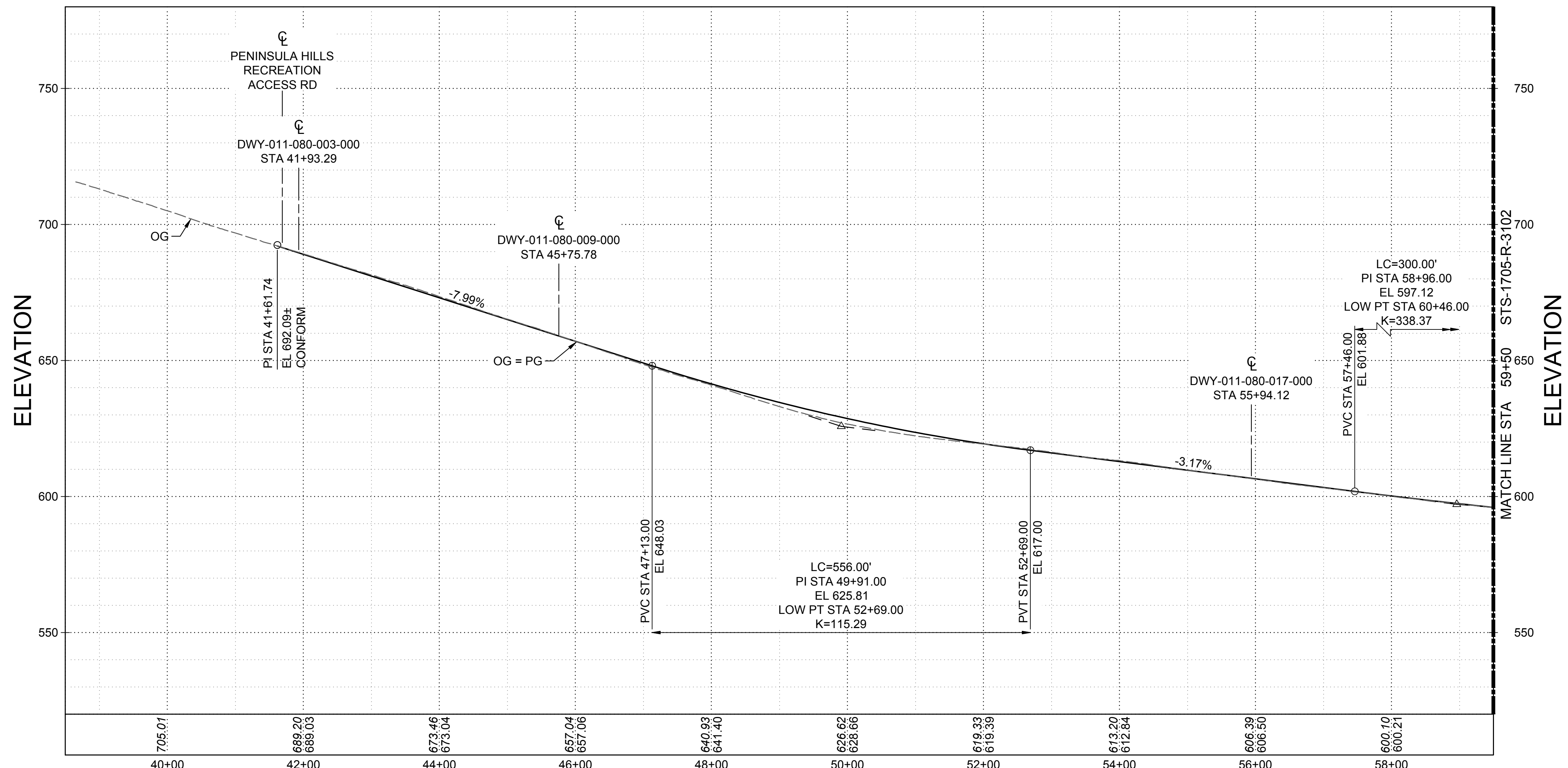
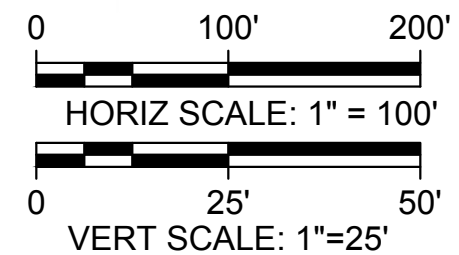
**SITES RESERVOIR**  
SITES RESERVOIR ROADWAY  
SITES LODOGA ROAD REALIGNMENT PLAN

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
DRAWING NO. STS-1705-R-2109  
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30% SUBMITTAL - NOT FOR CONSTRUCTION

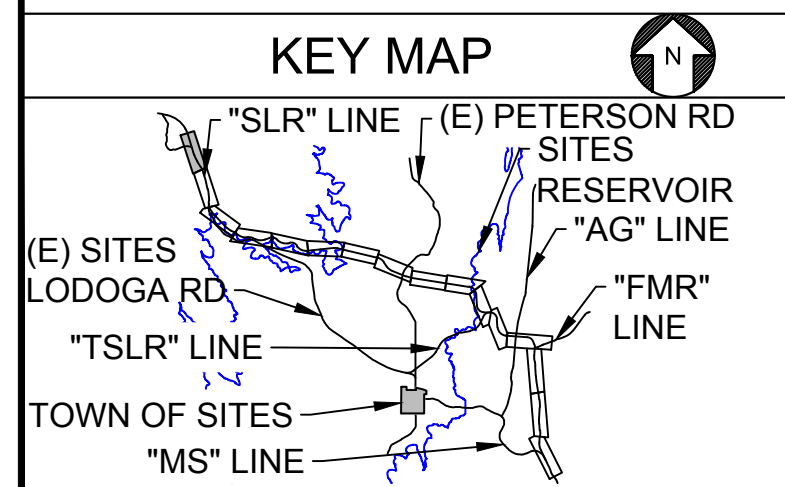


**SUPERELEVATION DIAGRAM**  
HORIZ SCALE: 1" = 100'



**PROFILE**  
HORIZ SCALE: 1" = 100'  
VERT SCALE: 1" = 25'

- GENERAL NOTES**
1. PROFILES WILL BE ADJUSTED DURING 60% DESIGN TO OPTIMIZE THE CUT & FILL VOLUMES AND TO ACCOMMODATE ANIMAL CROSSINGS.
  2. FINAL LIMITS OF BRIDGE AND FILL PRISM TO BE DETERMINED BASED ON GEOTECHNICAL FINDINGS AND RECOMMENDATIONS.
  3. SUPERELEVATION DESIGN KEY CONSIDERATIONS FOR ROADWAY RUNOFF, DRAINAGE CONVEYANCE INTO THE RESERVOIR, AND CONTRACTIBILITY WILL BE FURTHER DEVELOPED AT A LATER DESIGN PHASE.



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DRAWN BY:	E. SMITH
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24



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 V. DOCTORO  
 C78231  
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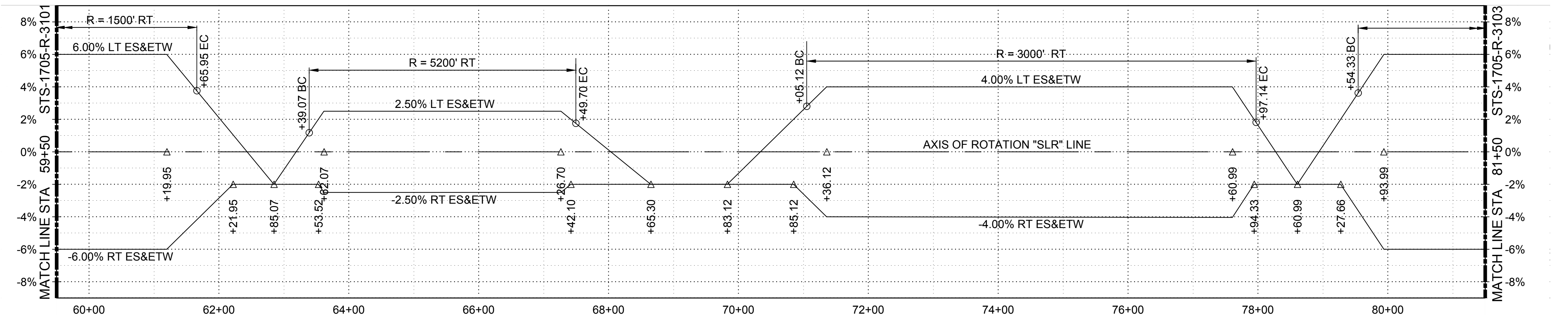
**SITES RESERVOIR**  
 SITES RESERVOIR ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 SUPERELEVATION AND PROFILE

VERIFY SCALES  
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 STS-1705-R-3101  
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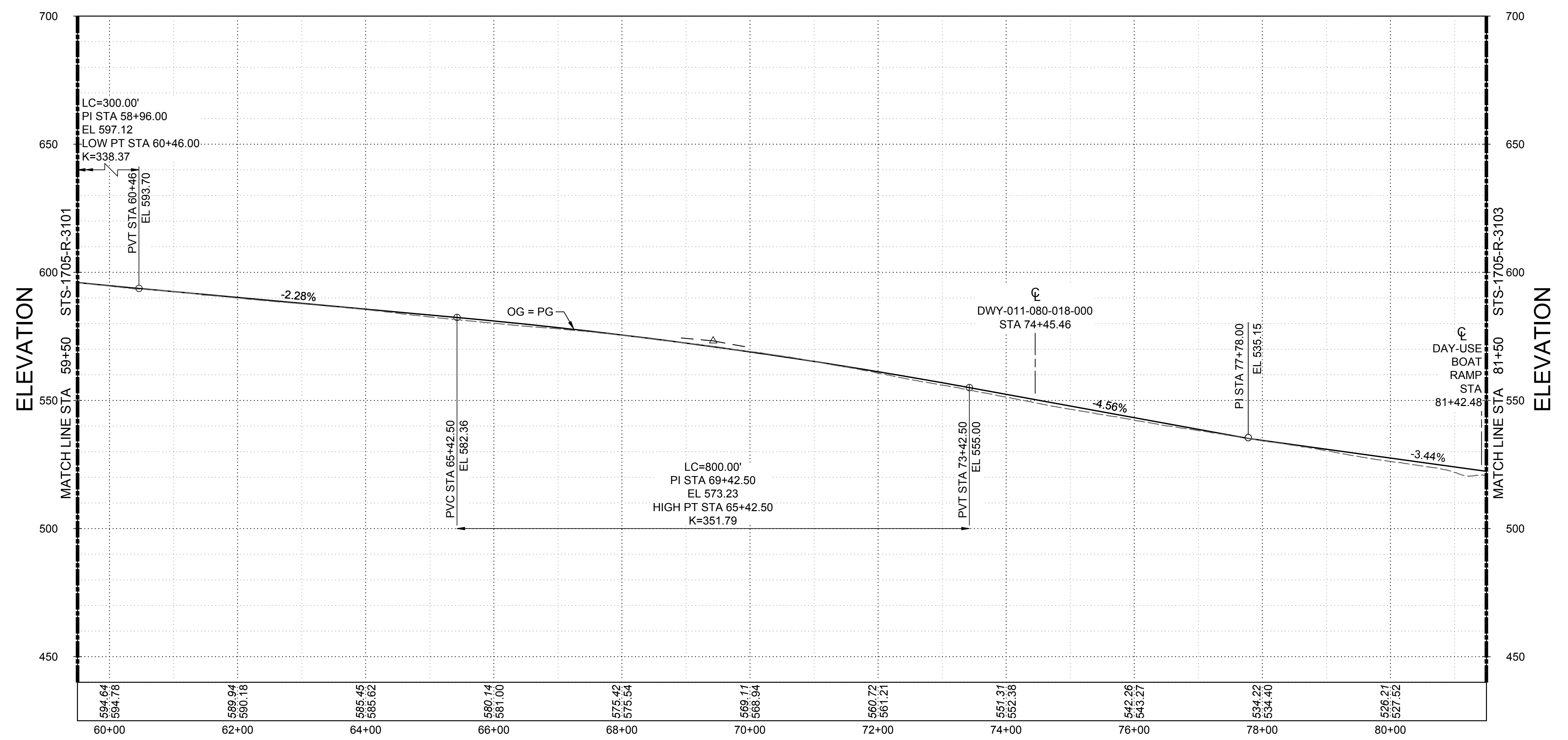
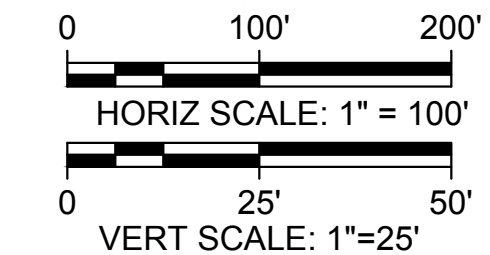
30% SUBMITTAL - NOT FOR CONSTRUCTION

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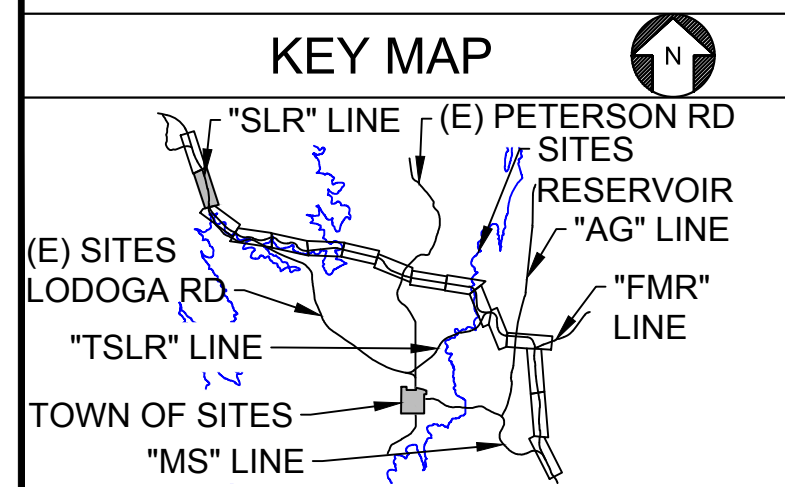


**SUPERELEVATION DIAGRAM**  
 HORIZ SCALE: 1" = 100'



**PROFILE**  
 HORIZ SCALE: 1" = 100'  
 VERT SCALE: 1" = 25'

**NOTES**



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
V. DOCTOLERO

DRAWN BY:  
E. SMITH

CHECKED BY:  
A. GLEN

IN CHARGE:  
H. MICHAEL

DATE:  
03/15/24



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**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 SUPERELEVATION AND PROFILE

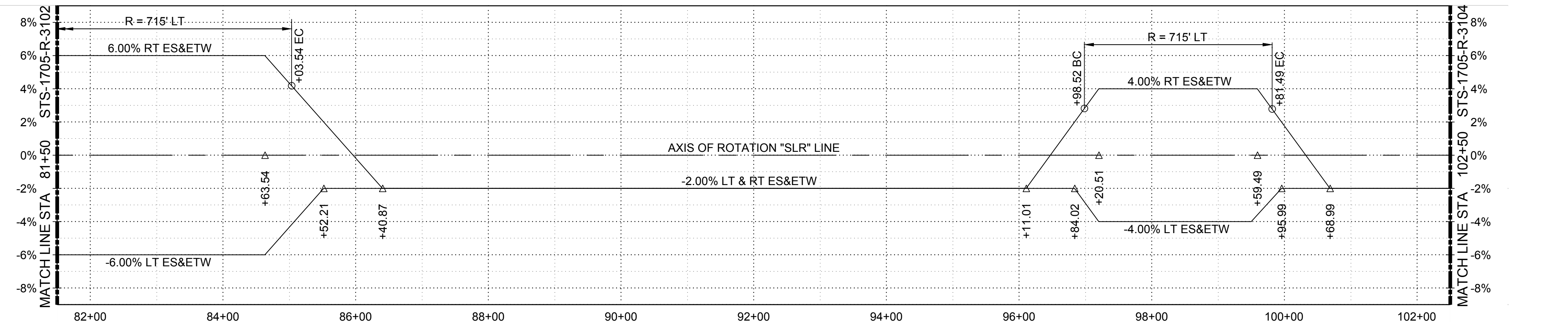
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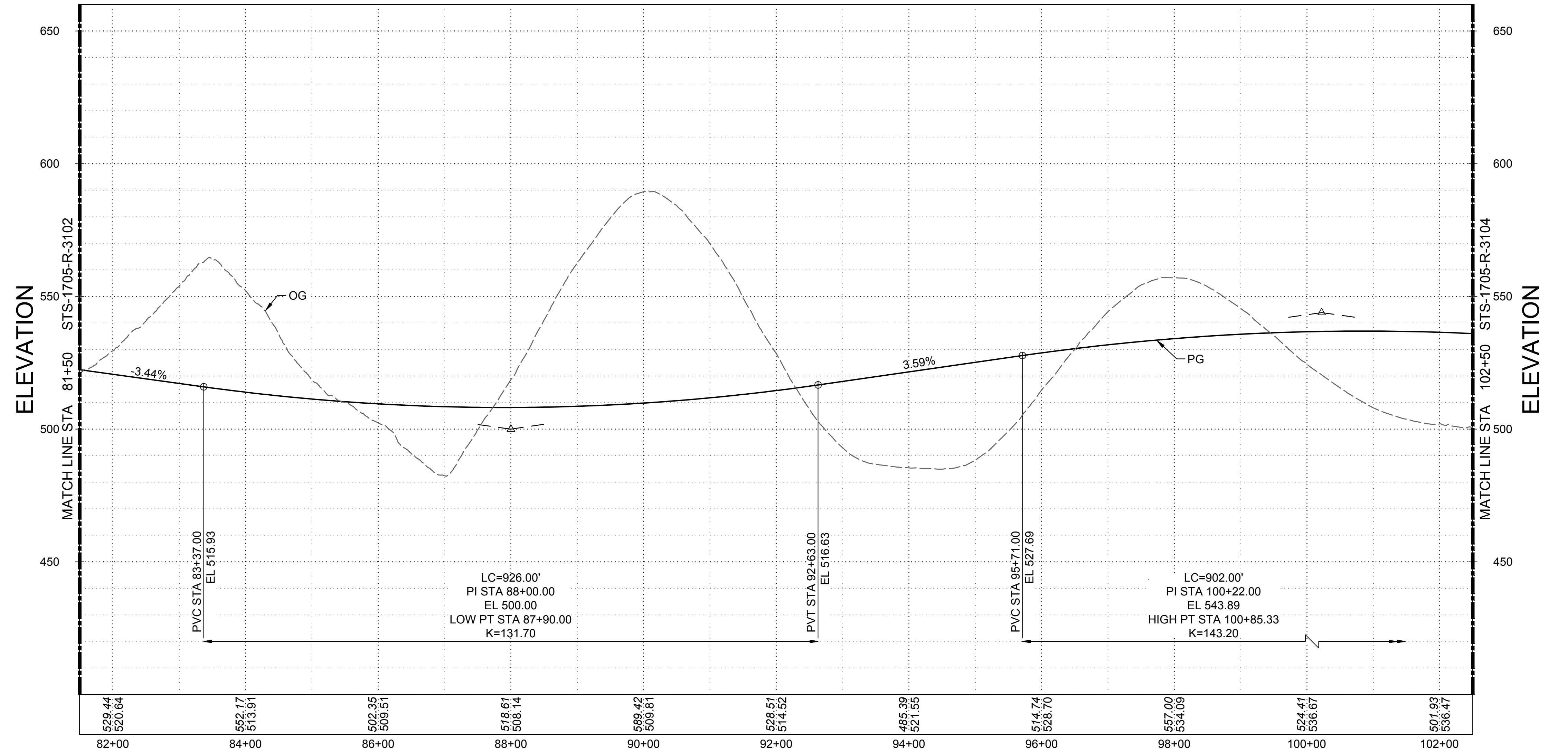
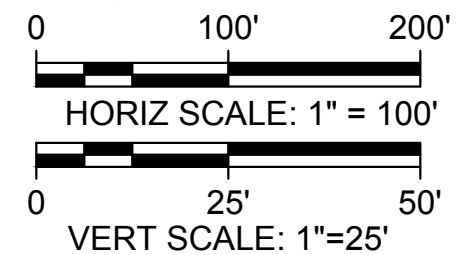
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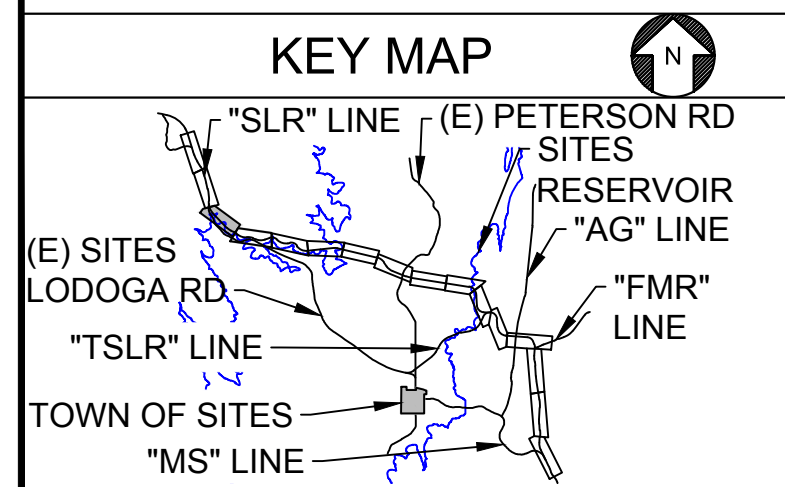


**SUPERELEVATION DIAGRAM**  
 HORIZ SCALE: 1" = 100'



**PROFILE**  
 HORIZ SCALE: 1" = 100'  
 VERT SCALE: 1" = 25'

**NOTES**



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
V. DOCTORO

DRAWN BY:  
E. SMITH

CHECKED BY:  
A. GLEN

IN CHARGE:  
H. MICHAEL

DATE:  
03/15/24



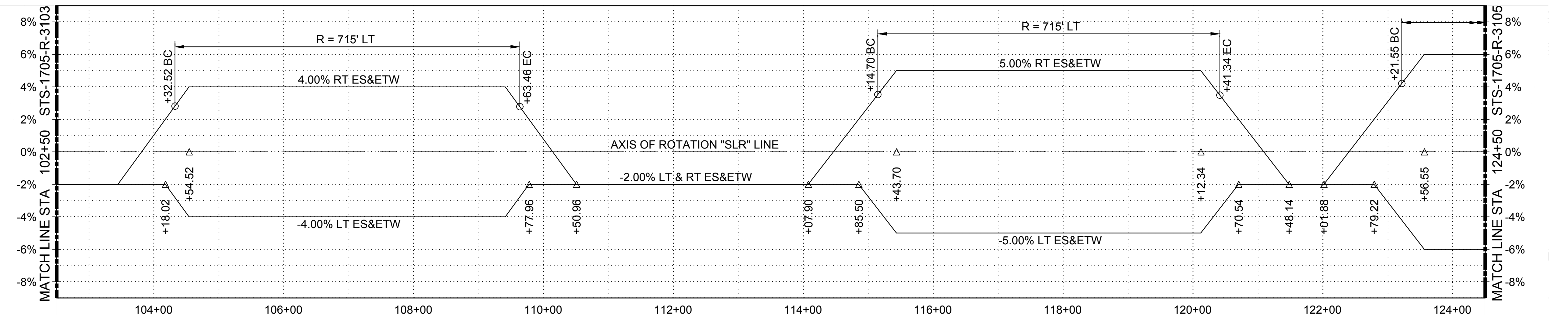
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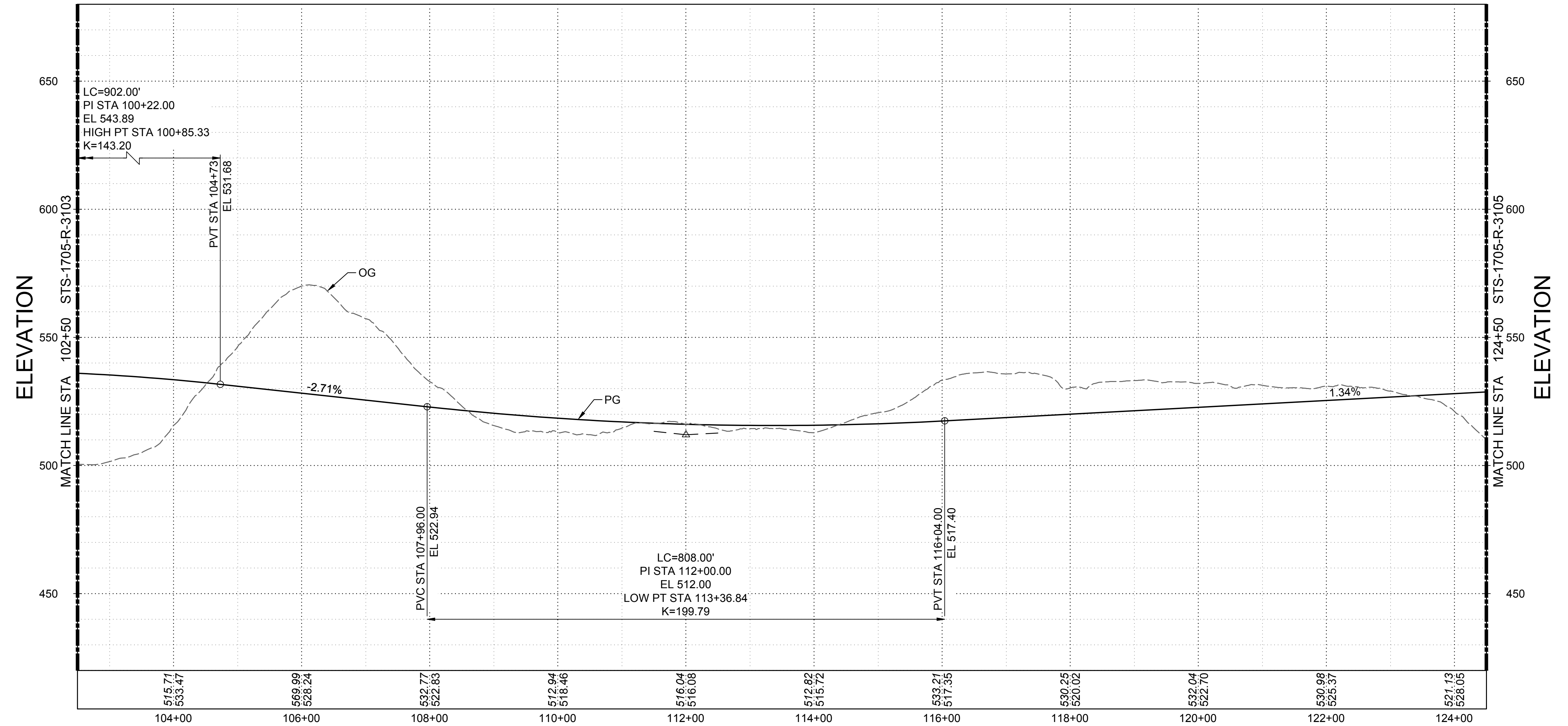
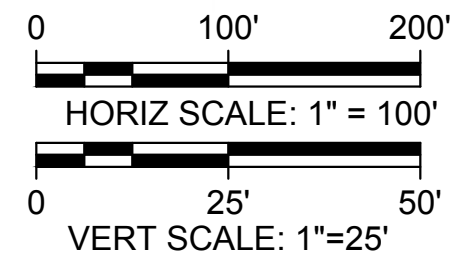
**SITES RESERVOIR**  
 SITES RESERVOIR ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 SUPERELEVATION AND PROFILE

VERIFY SCALES  
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30% SUBMITTAL - NOT FOR CONSTRUCTION

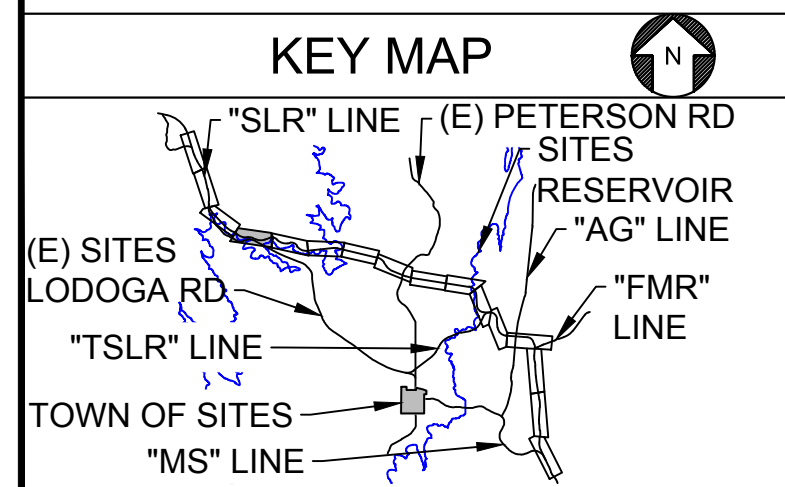


**SUPERELEVATION DIAGRAM**  
HORIZ SCALE: 1" = 100'



**PROFILE**  
HORIZ SCALE: 1" = 100'  
VERT SCALE: 1" = 25'

**NOTES**



Plot Date: 3/21/2024 1:45 PM  
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DRAWN BY:	E. SMITH
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24



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 C78231  
 CALIFORNIA

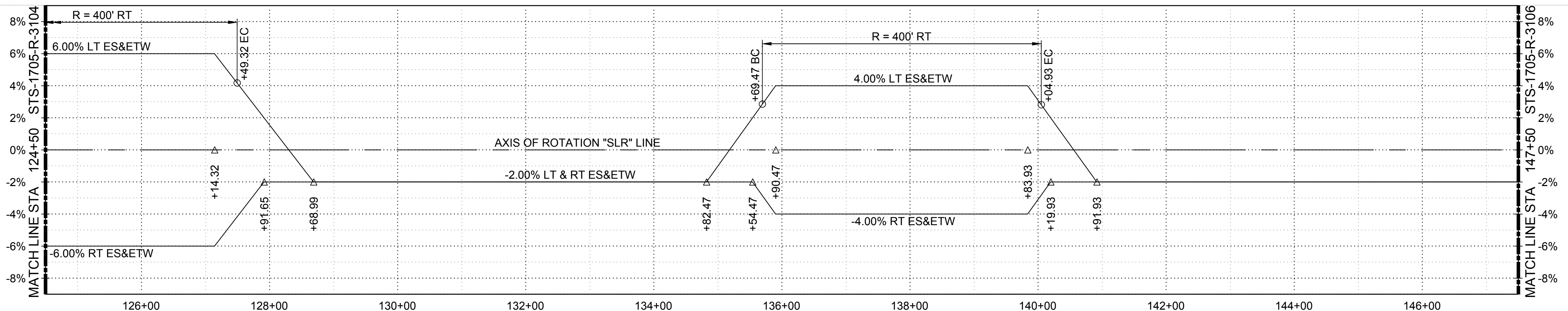


**SITES RESERVOIR**  
 SITES RESERVOIR ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 SUPERELEVATION AND PROFILE

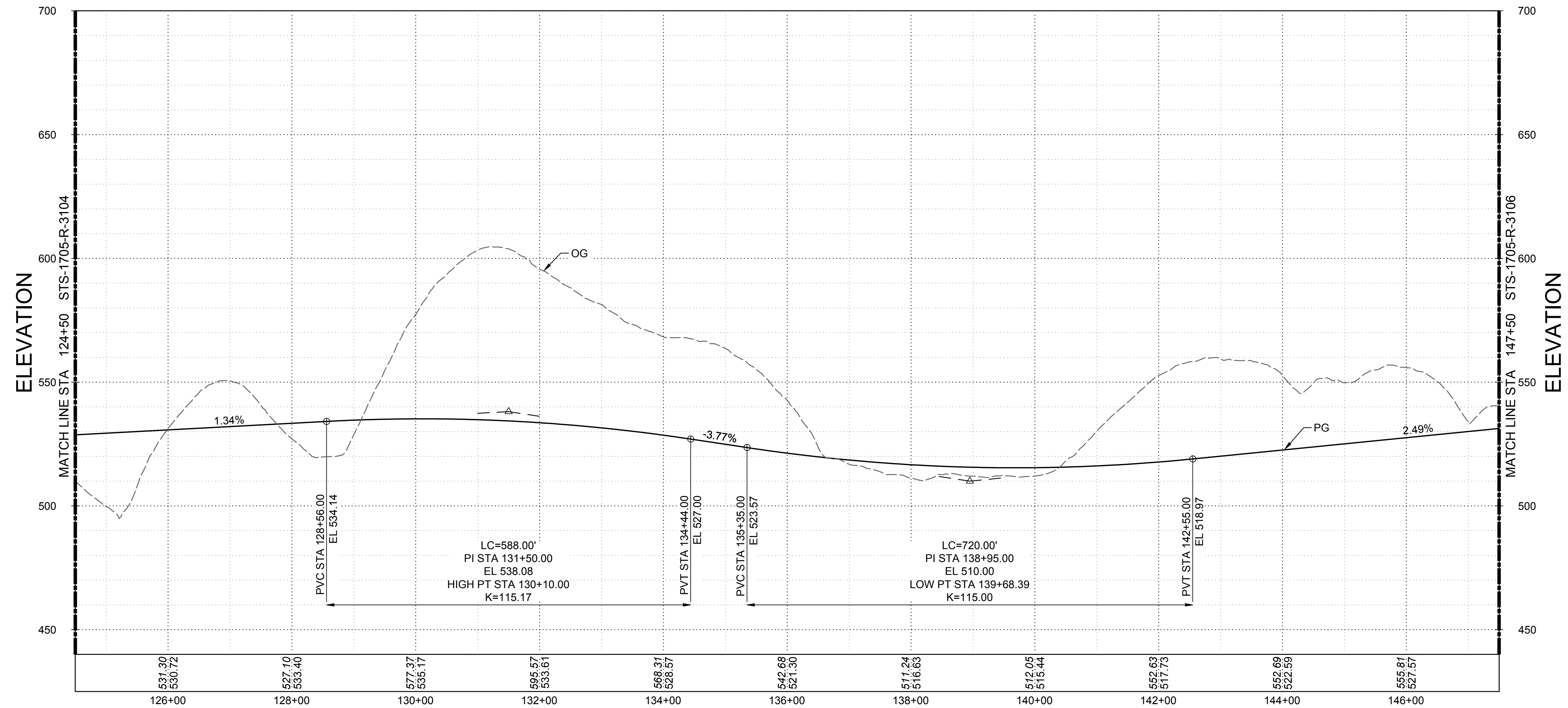
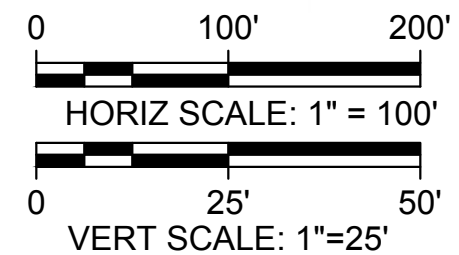
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30% SUBMITTAL - NOT FOR CONSTRUCTION



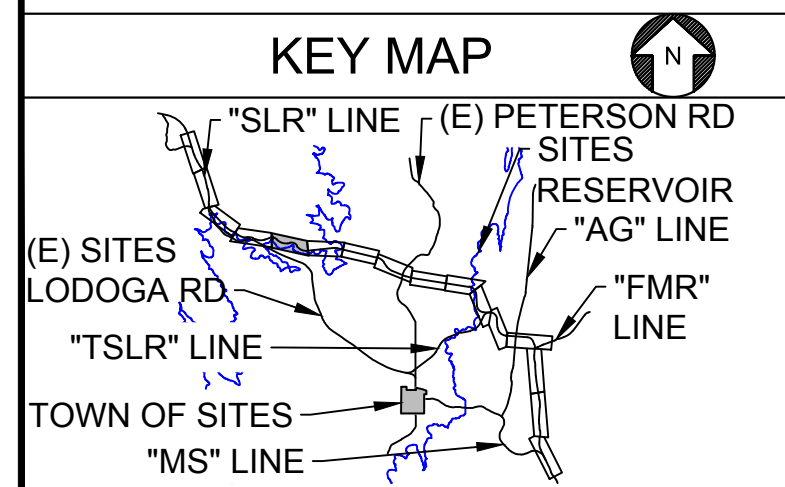


**SUPERELEVATION DIAGRAM**  
HORIZ SCALE: 1" = 100'



**PROFILE**  
HORIZ SCALE: 1" = 100'  
VERT SCALE: 1" = 25'

**NOTES**



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DESIGNED BY:	V. DOCTORO
DRAWN BY:	E. SMITH
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24



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**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 SUPERELEVATION AND PROFILE

**VERIFY SCALES**  
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 STS-1705-R-3105  
 SHT OF

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Plot Date: 3/21/2024 1:46 PM  
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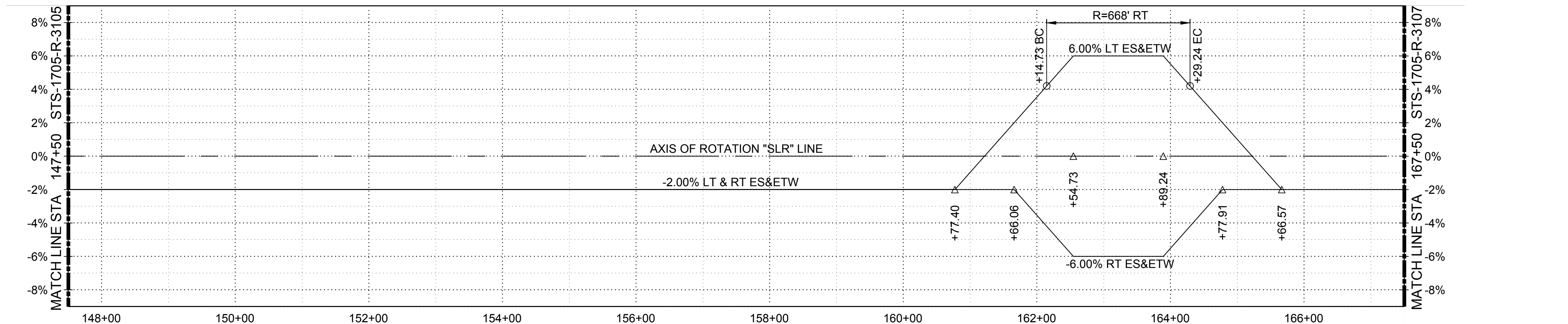
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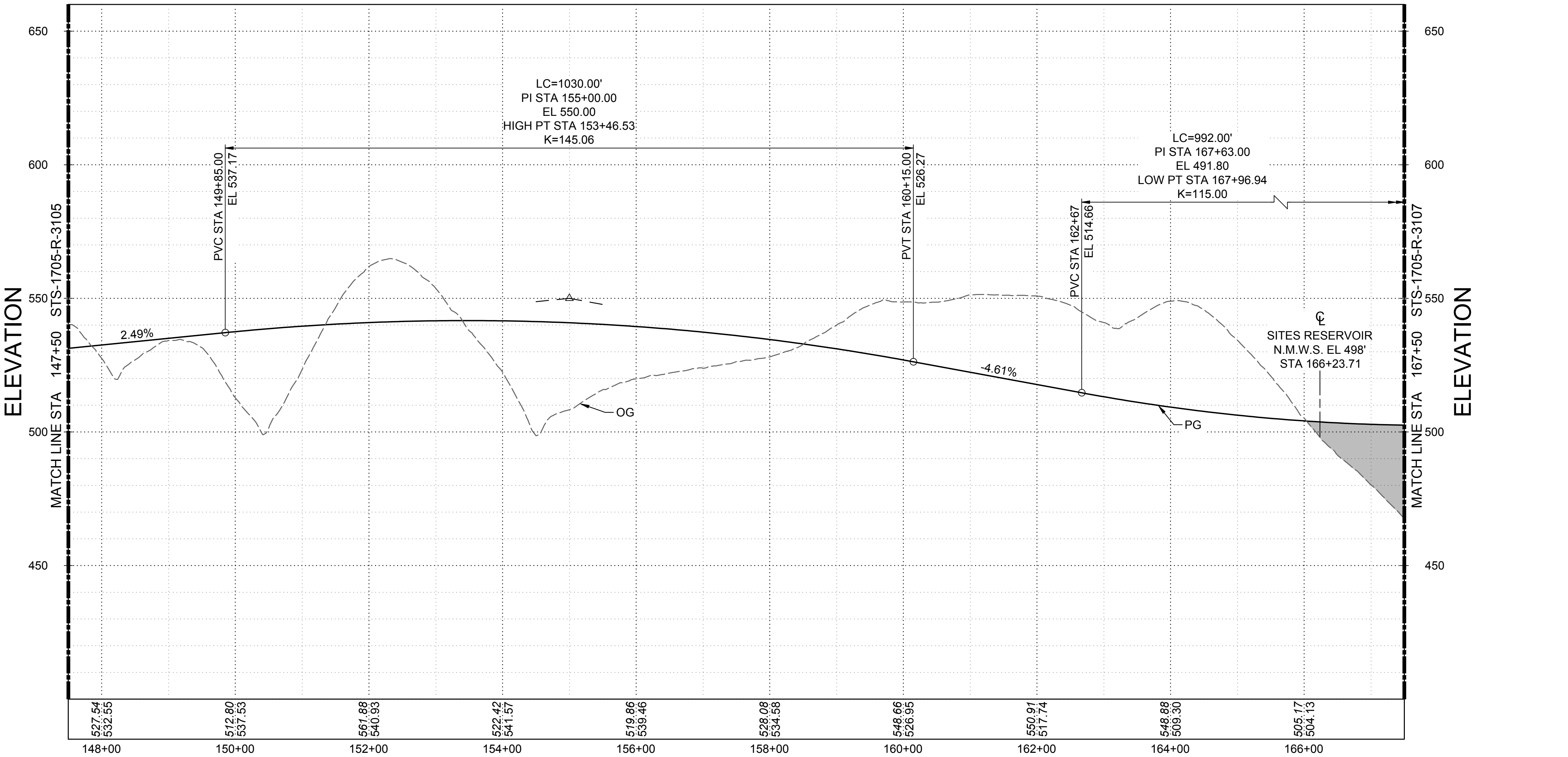
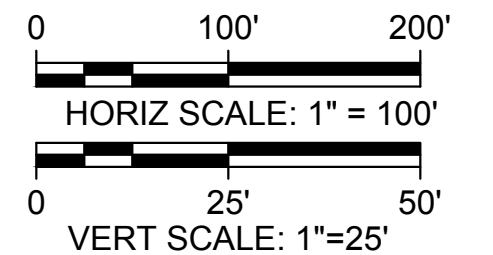
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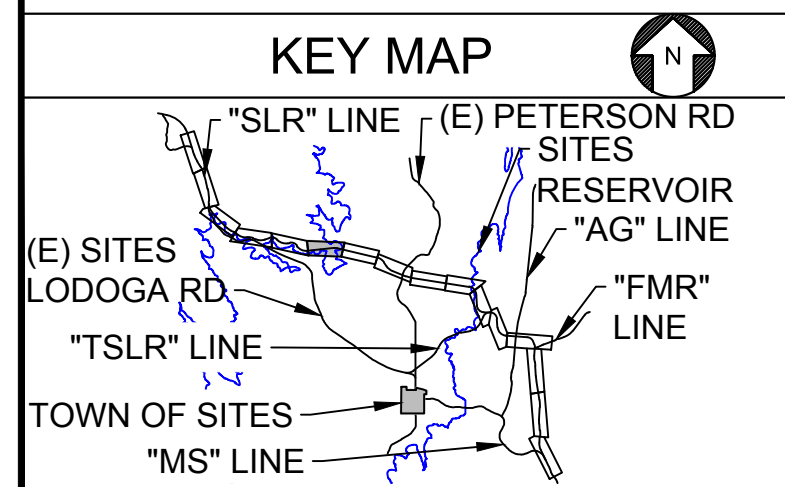


**SUPERELEVATION DIAGRAM**  
 HORIZ SCALE: 1" = 100'



**PROFILE**  
 HORIZ SCALE: 1" = 100'  
 VERT SCALE: 1" = 25'

**NOTES**



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
V. DOCTOLERO

DRAWN BY:  
E. SMITH

CHECKED BY:  
A. GLEN

IN CHARGE:  
H. MICHAEL

DATE:  
03/15/24



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**SITES RESERVOIR**  
 SITES RESERVOIR ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 SUPERELEVATION AND PROFILE

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

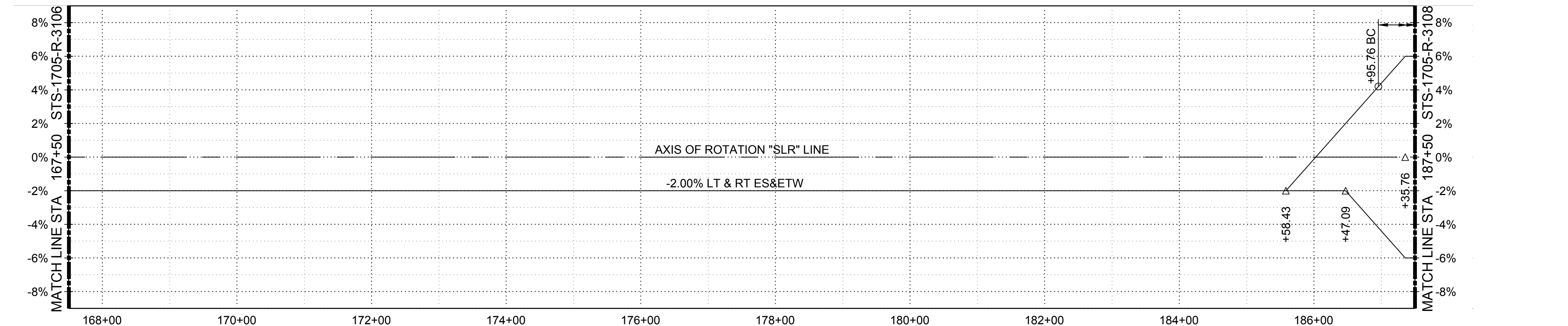
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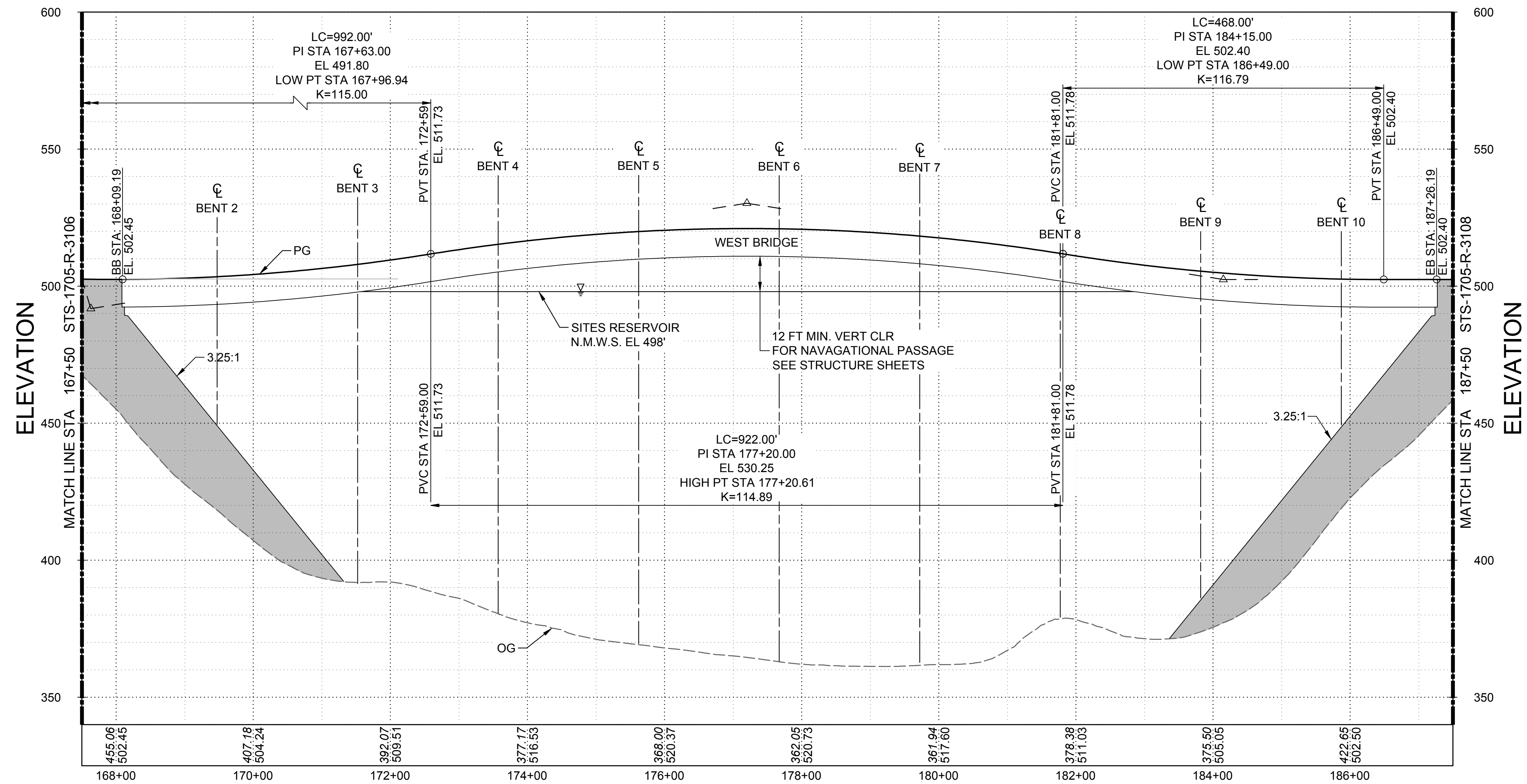
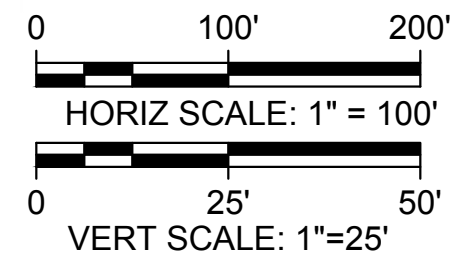
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STS-1705-R-3107



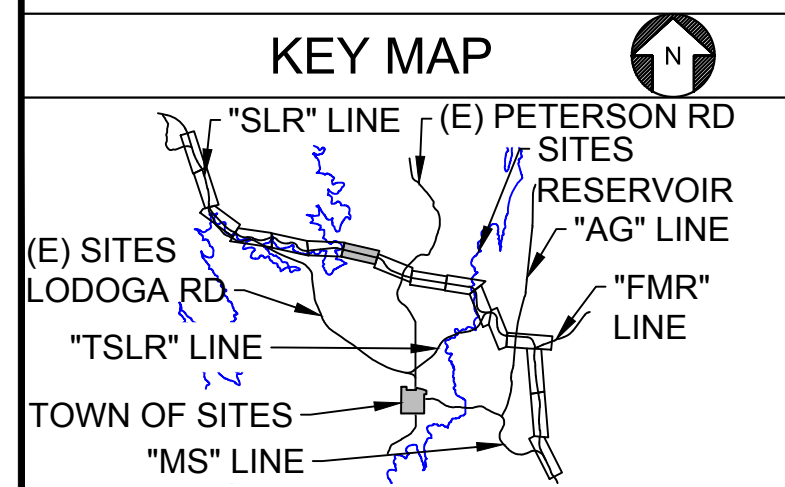
**SUPERELEVATION DIAGRAM**  
 HORIZ SCALE: 1" = 100'



**PROFILE**  
 HORIZ SCALE: 1" = 100'  
 VERT SCALE: 1" = 25'

**GENERAL NOTES**

1. FINAL LIMITS OF BRIDGE AND FILL PRISM TO BE DETERMINED BASED ON GEOTECHNICAL FINDINGS AND RECOMMENDATIONS.



REV	DATE	BY	CHK	APPR	DESCRIPTION

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 V. DOCTOLERO  
 C78231  
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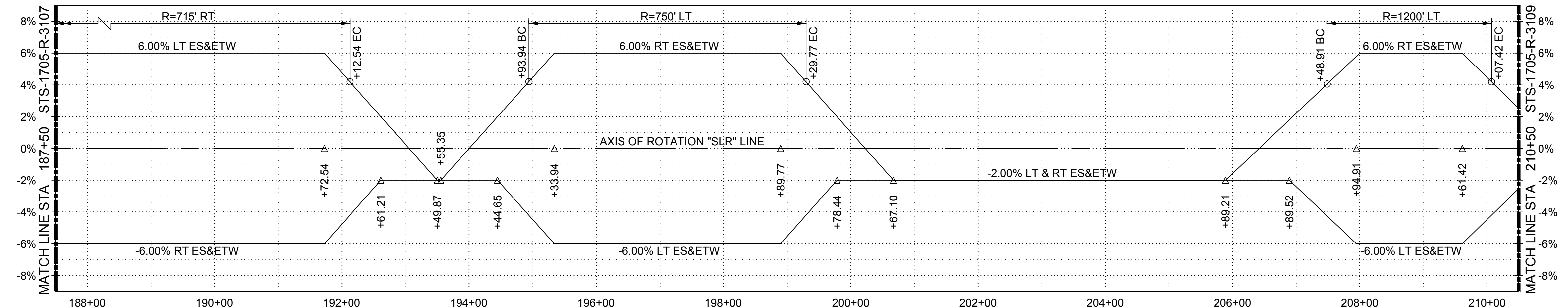
**SITES RESERVOIR**  
 SITES RESERVOIR ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 SUPERELEVATION AND PROFILE

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

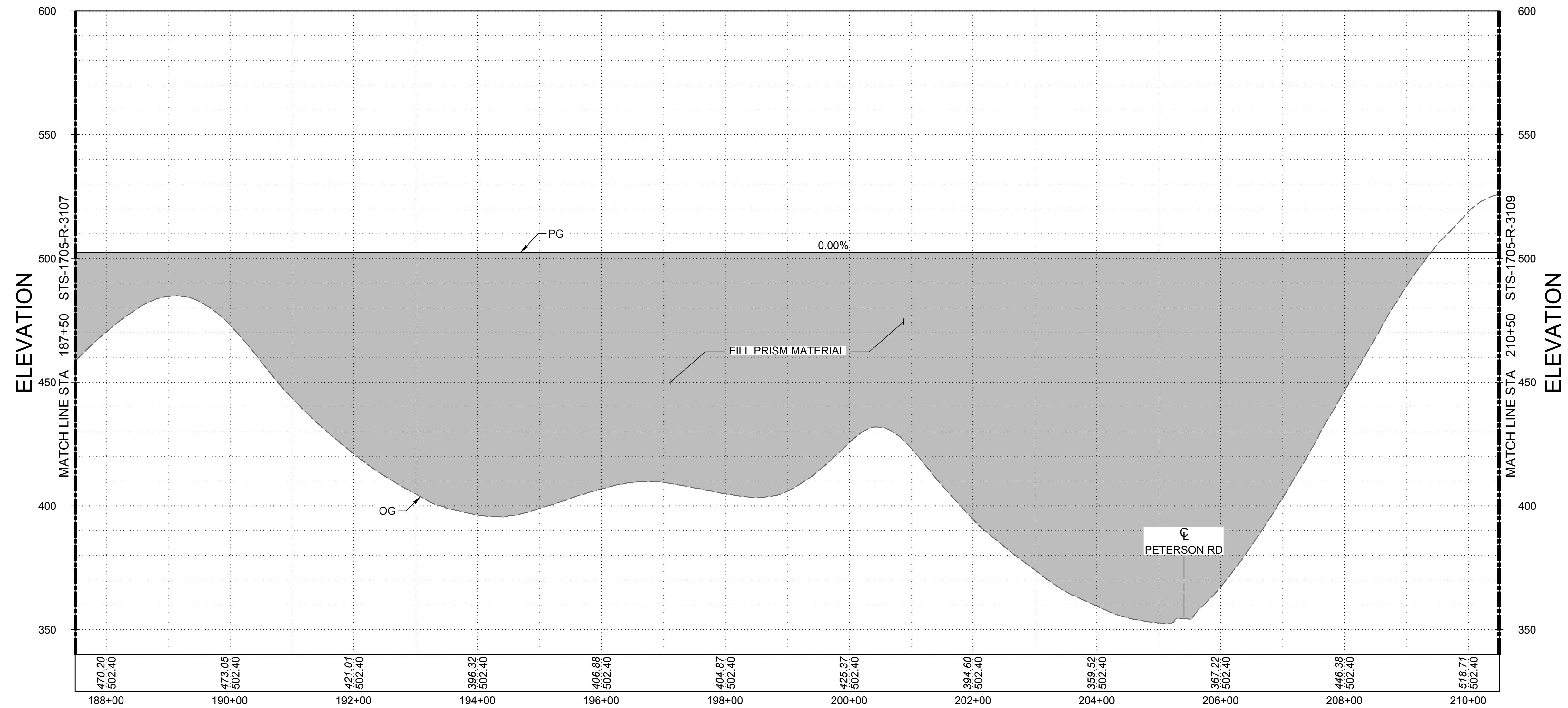
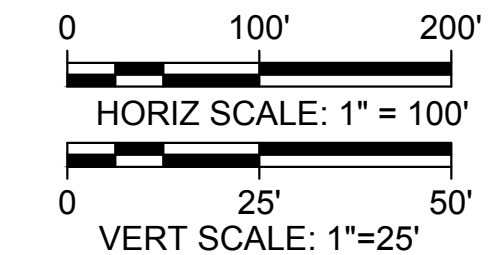
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30% SUBMITTAL - NOT FOR CONSTRUCTION

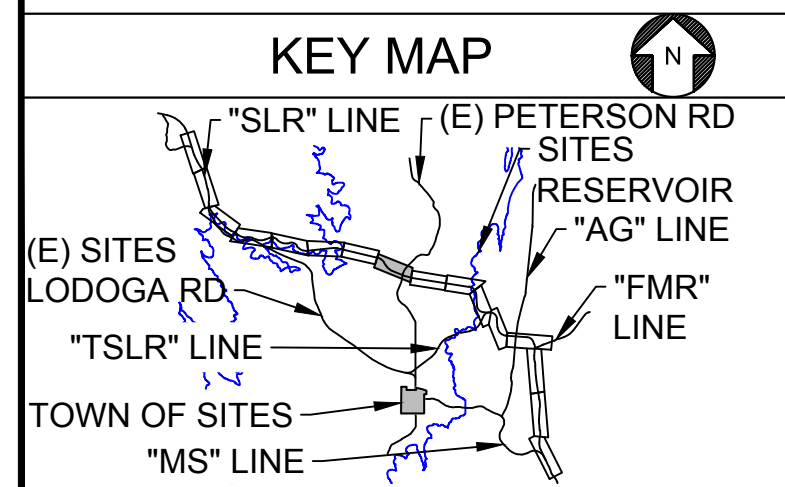
**NOTES**  
 1. FINAL LIMITS OF BRIDGE AND FILL PRISM TO BE DETERMINED BASED ON GEOTECHNICAL FINDINGS AND RECOMMENDATIONS.



**SUPERELEVATION DIAGRAM**  
 HORIZ SCALE: 1" = 100'



**PROFILE**  
 HORIZ SCALE: 1" = 100'  
 VERT SCALE: 1" = 25'



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DESIGNED BY:	V. DOCTOLERO
DRAWN BY:	E. SMITH
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24



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 C78231  
 CALIFORNIA



**SITES RESERVOIR**  
 SITES RESERVOIR ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 SUPERELEVATION AND PROFILE

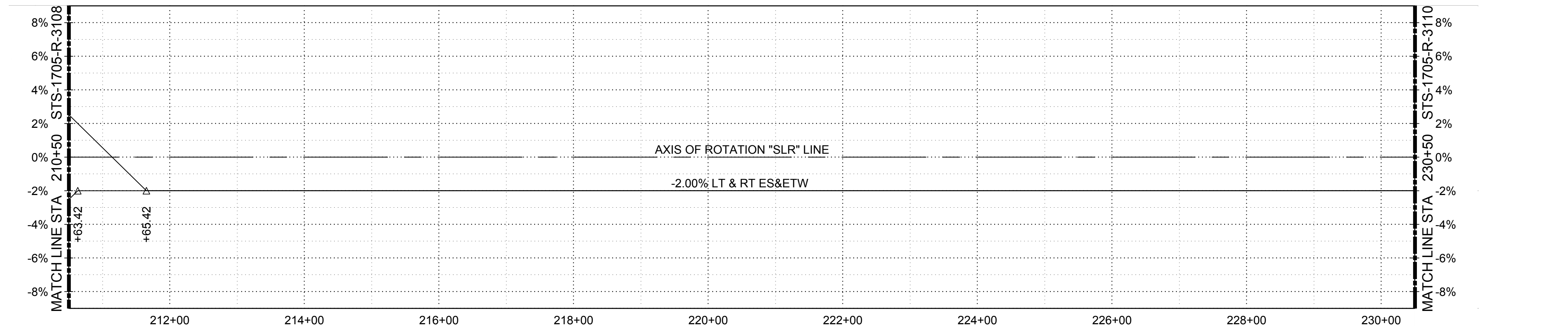
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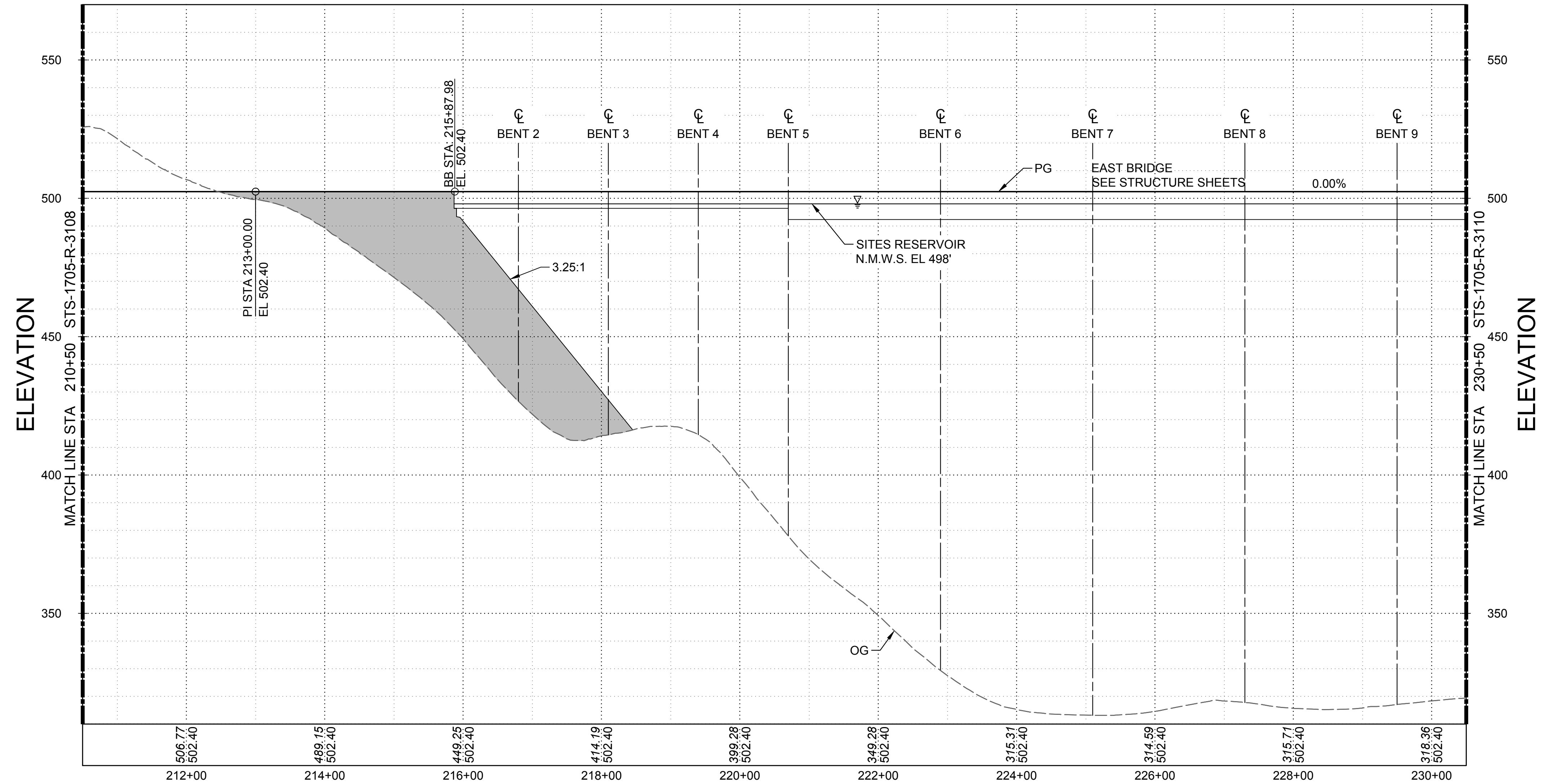
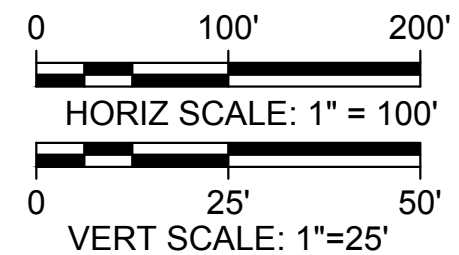
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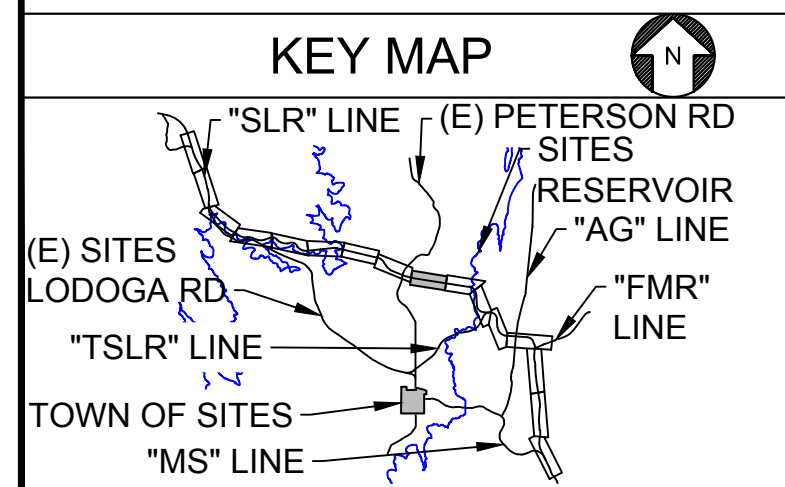
**SUPERELEVATION DIAGRAM**  
 HORIZ SCALE: 1" = 100'



**PROFILE**  
 HORIZ SCALE: 1" = 100'  
 VERT SCALE: 1" = 25'

**NOTES**

1. FINAL LIMITS OF BRIDGE AND FILL PRISM TO BE DETERMINED BASED ON GEOTECHNICAL FINDINGS AND RECOMMENDATIONS.



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	V. DOCTOLERO
DRAWN BY:	E. SMITH
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

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

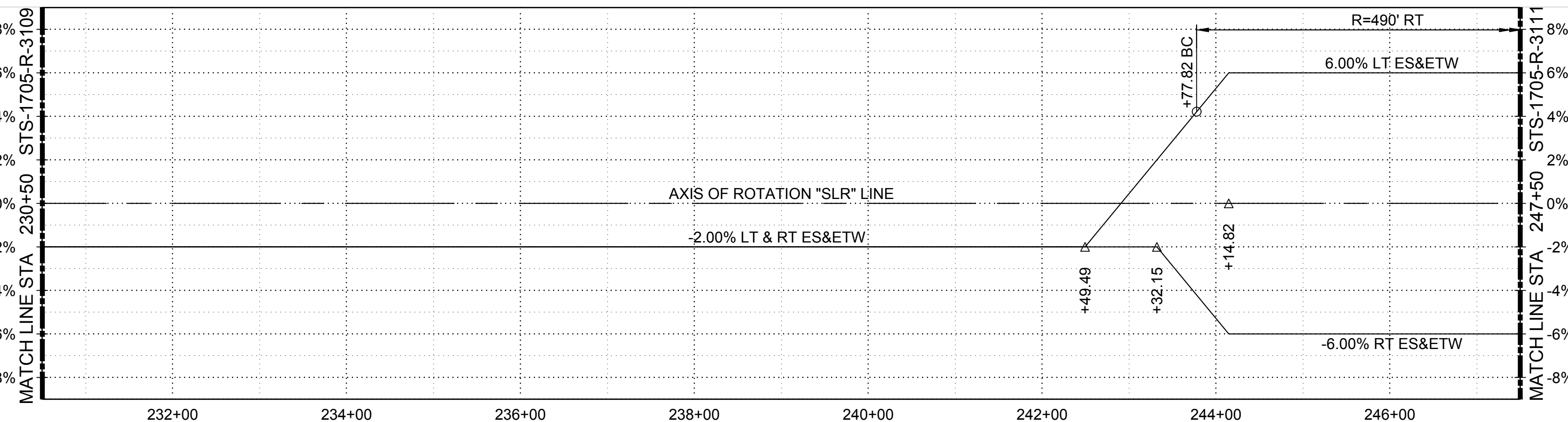
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTOLERO  
 C78231  
 CALIFORNIA



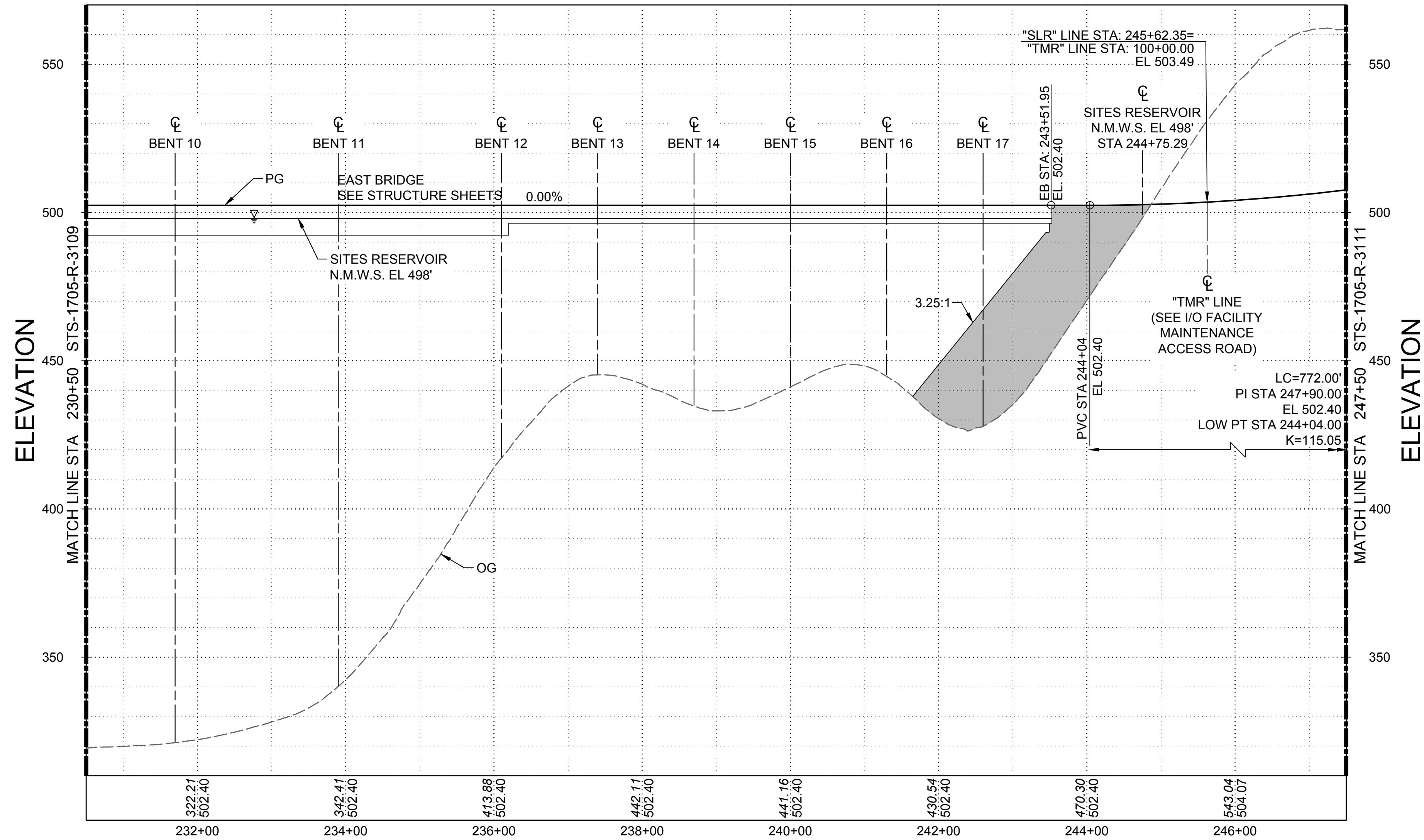
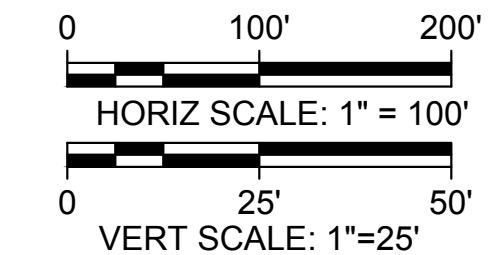
**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 SUPERELEVATION AND PROFILE

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
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 DRAWING NO.  
 STS-1705-R-3109  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

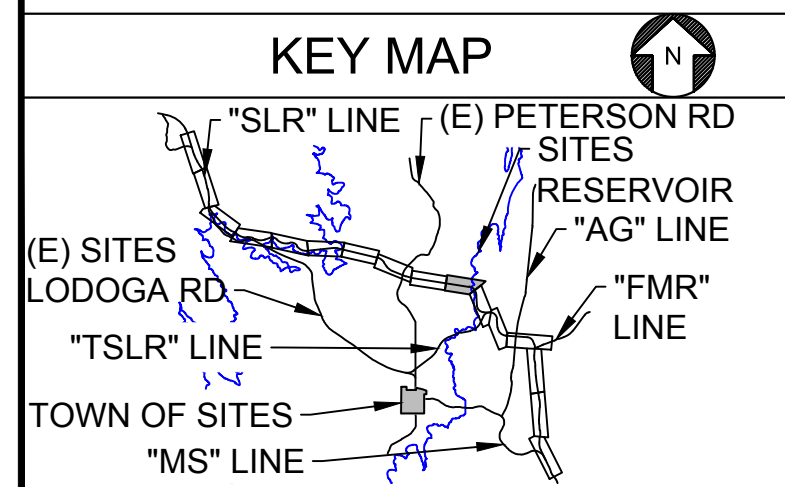


**SUPERELEVATION DIAGRAM**  
HORIZ SCALE: 1" = 100'



**PROFILE**  
HORIZ SCALE: 1" = 100'  
VERT SCALE: 1" = 25'

**NOTES**  
1. FINAL LIMITS OF BRIDGE AND FILL PRISM TO BE DETERMINED BASED ON GEOTECHNICAL FINDINGS AND RECOMMENDATIONS.



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REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: V. DOCTOLERO  
 DRAWN BY: E. SMITH  
 CHECKED BY: A. GLEN  
 IN CHARGE: H. MICHAEL  
 DATE: 03/15/24



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 V. DOCTOLERO  
 C78231  
 CALIFORNIA

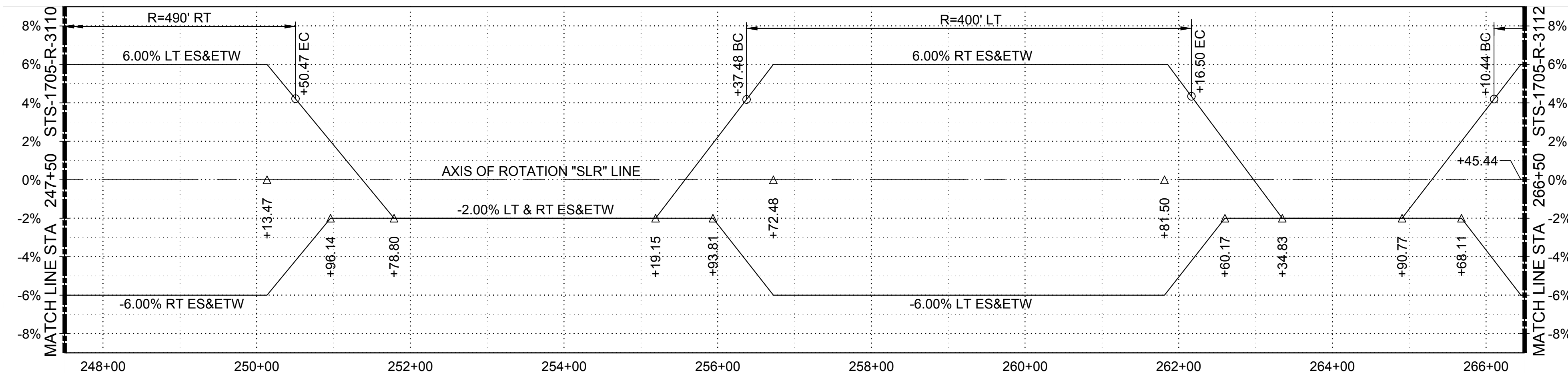


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 SITES RESERVOIR ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 SUPERELEVATION AND PROFILE

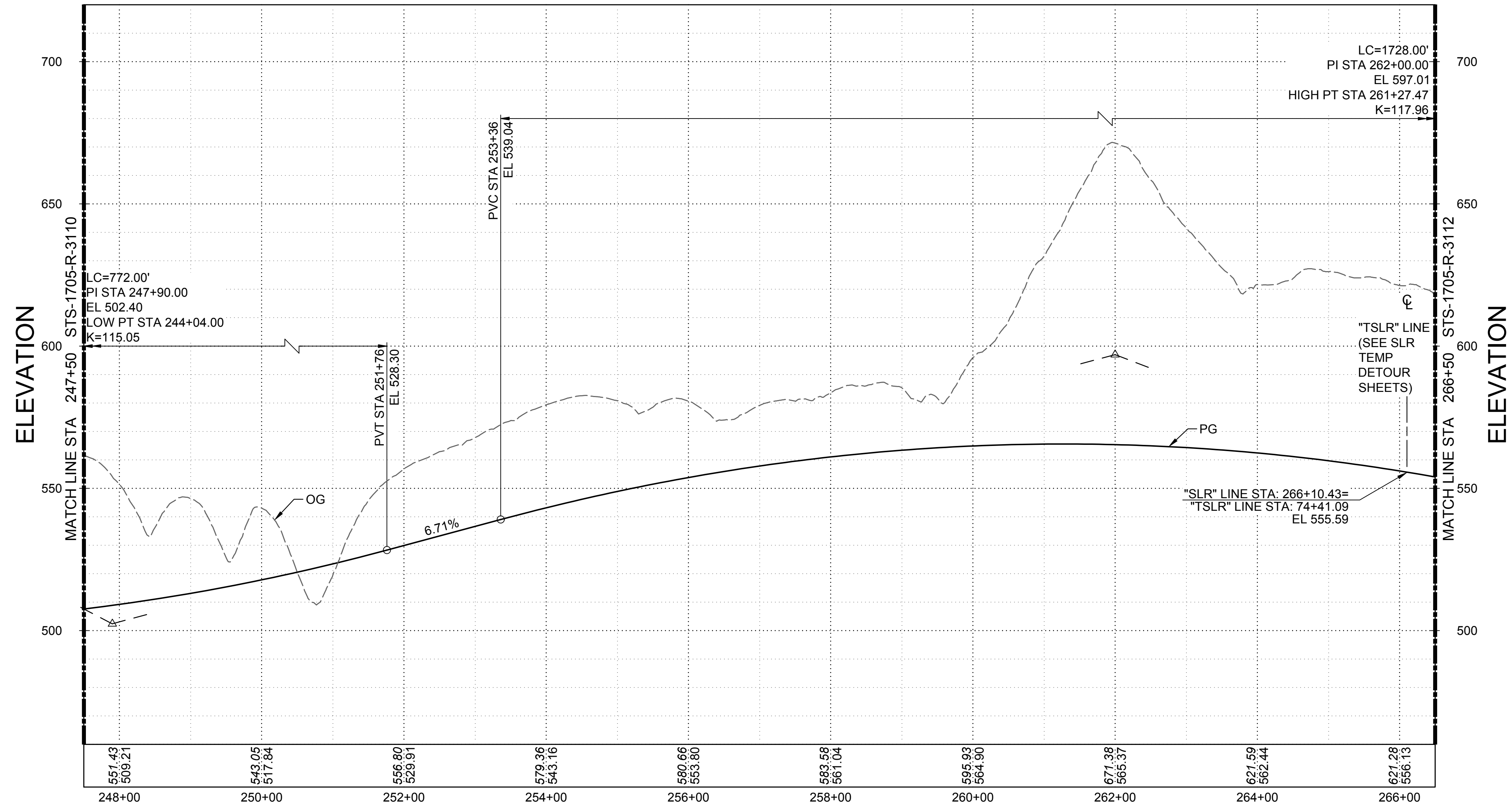
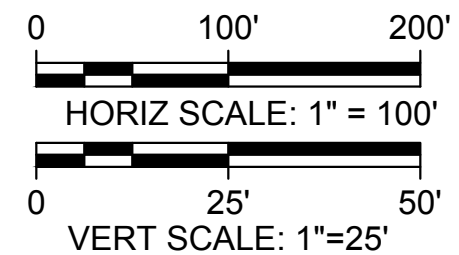
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 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

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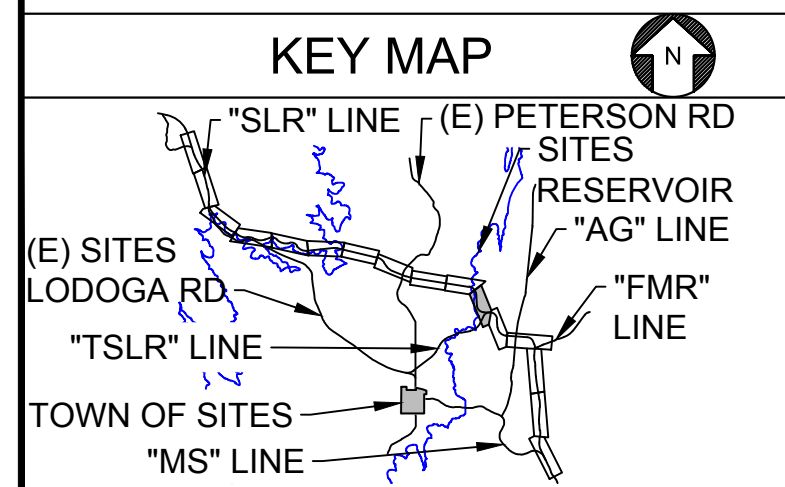


**SUPERELEVATION DIAGRAM**  
 HORIZ SCALE: 1" = 100'



**PROFILE**  
 HORIZ SCALE: 1" = 100'  
 VERT SCALE: 1" = 25'

**NOTES**



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
V. DOCTOLERO

DRAWN BY:  
E. SMITH

CHECKED BY:  
A. GLEN

IN CHARGE:  
H. MICHAEL

DATE:  
03/15/24



REGISTERED PROFESSIONAL ENGINEER  
 V. DOCTOLERO  
 C78231  
 CALIFORNIA



**SITES RESERVOIR**

SITES RESERVOIR ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 SUPERELEVATION AND PROFILE

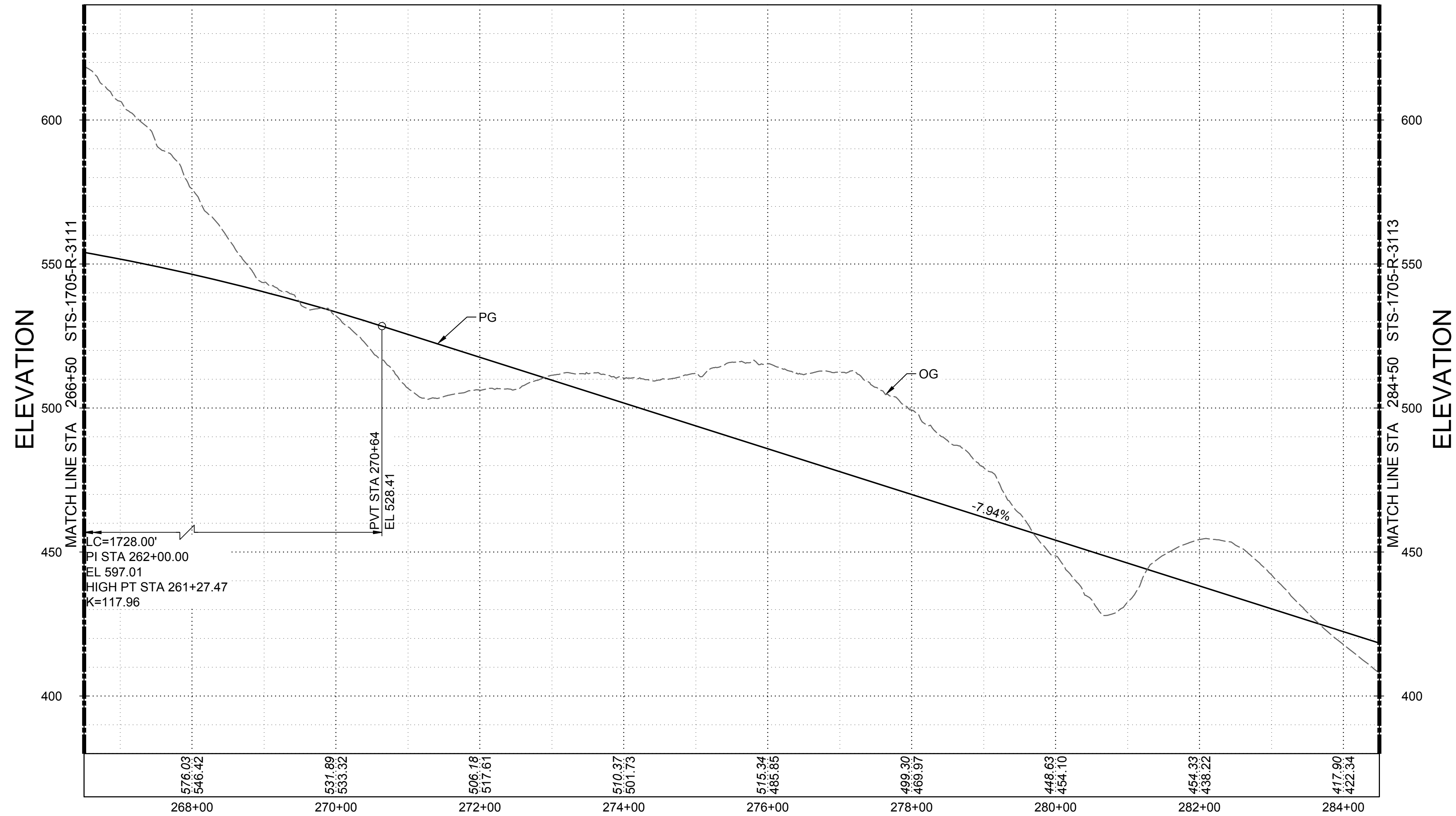
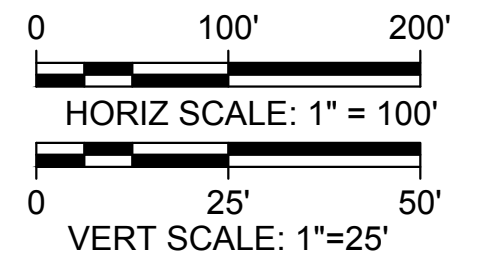
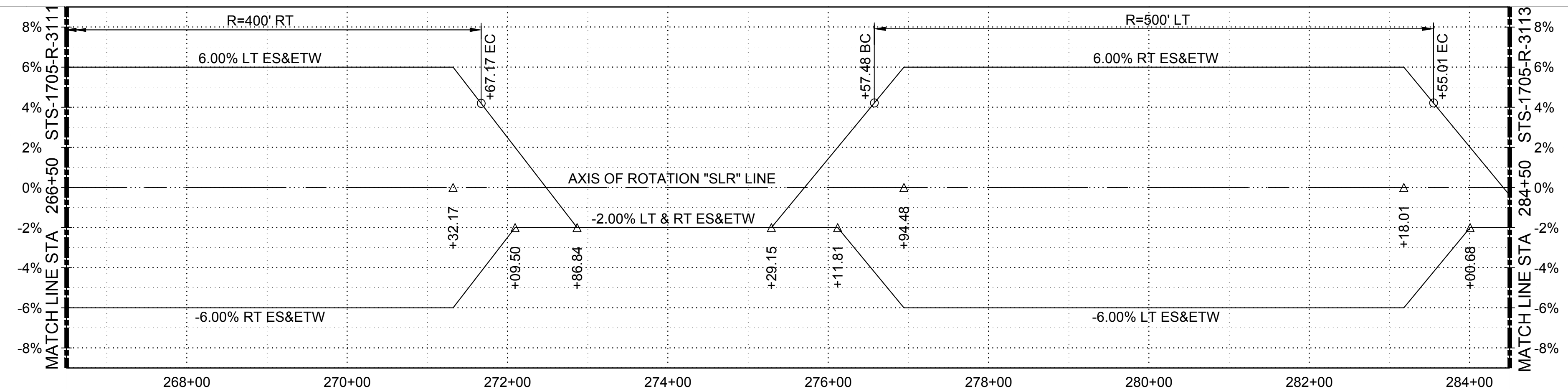
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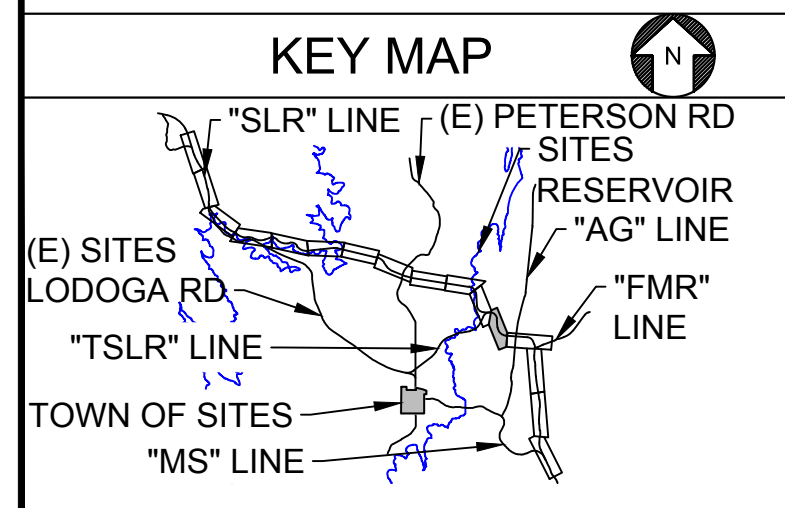
30% SUBMITTAL - NOT FOR CONSTRUCTION

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Plot Date: 3/21/2024 1:49 PM  
 Saved By: SMITHE13  
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**NOTES**



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
V. DOCTOLERO

DRAWN BY:  
E. SMITH

CHECKED BY:  
A. GLEN

IN CHARGE:  
H. MICHAEL

DATE:  
03/15/24



REGISTERED PROFESSIONAL ENGINEER  
 V. DOCTOLERO  
 C78231  
 CALIFORNIA



**SITES RESERVOIR**  
 SITES RESERVOIR ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 SUPERELEVATION AND PROFILE

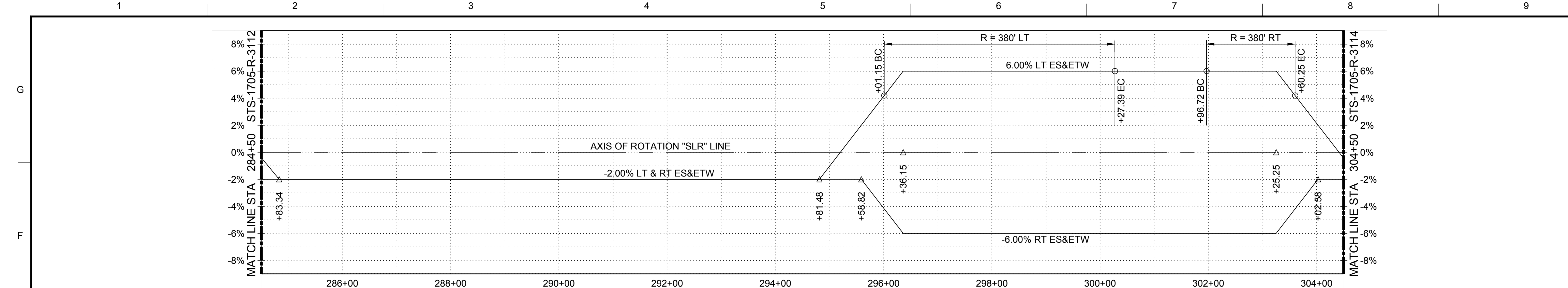
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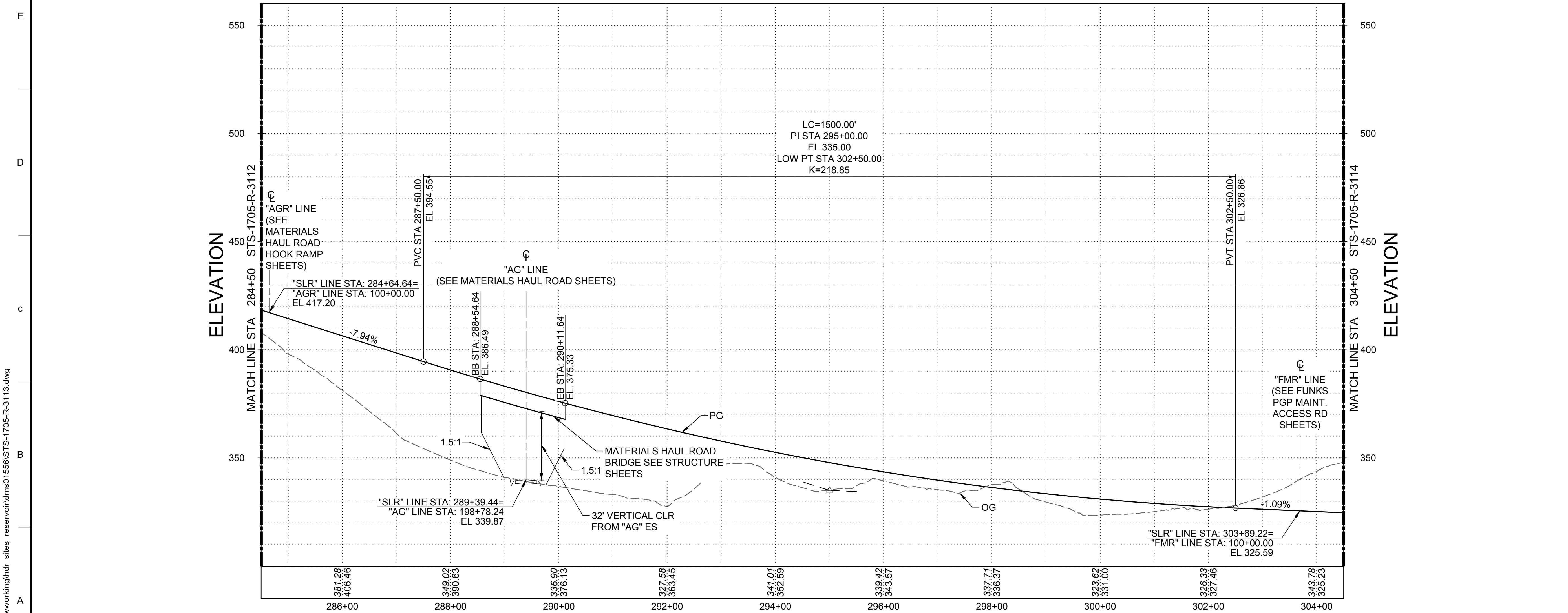
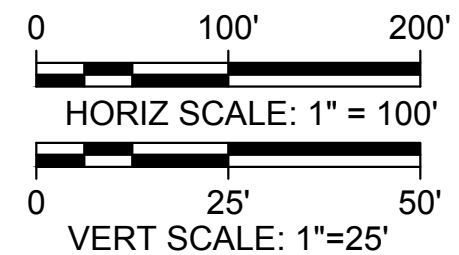
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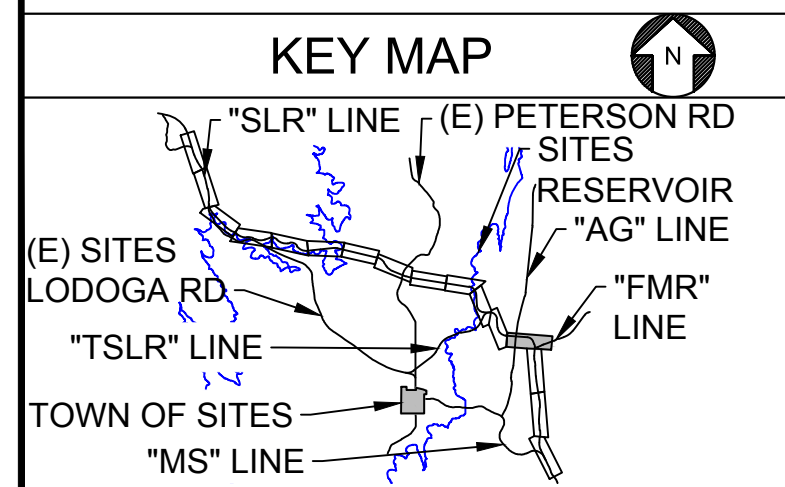


**SUPERELEVATION DIAGRAM**  
 HORIZ SCALE: 1" = 100'



**PROFILE**  
 HORIZ SCALE: 1" = 100'  
 VERT SCALE: 1" = 25'

**NOTES**



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
V. DOCTOLERO

DRAWN BY:  
E. SMITH

CHECKED BY:  
A. GLEN

IN CHARGE:  
H. MICHAEL

DATE:  
03/15/24



REGISTERED PROFESSIONAL ENGINEER  
 V. DOCTOLERO  
 C78231  
 CALIFORNIA



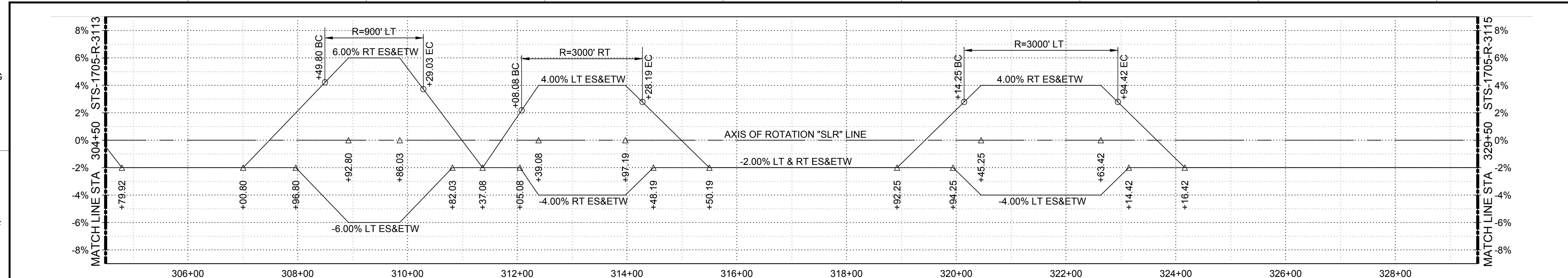
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 SITES RESERVOIR ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 SUPERELEVATION AND PROFILE

VERIFY SCALES  
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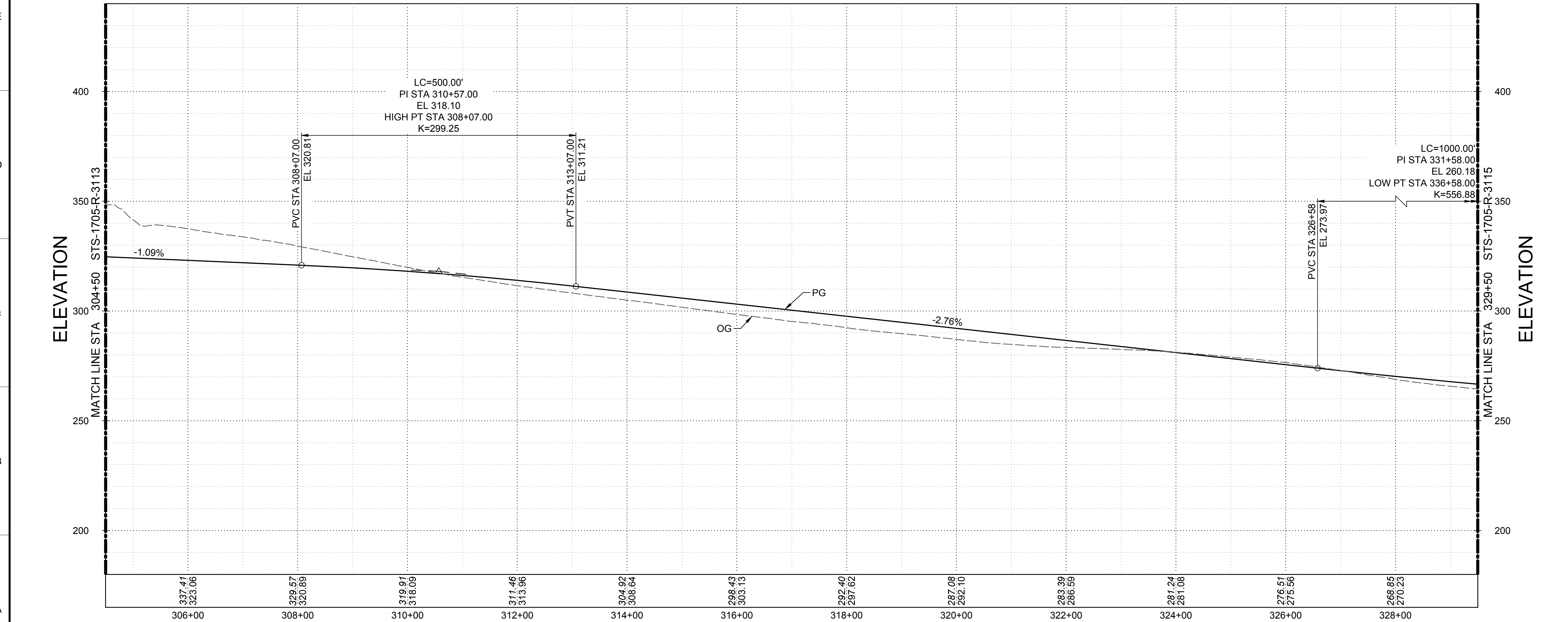
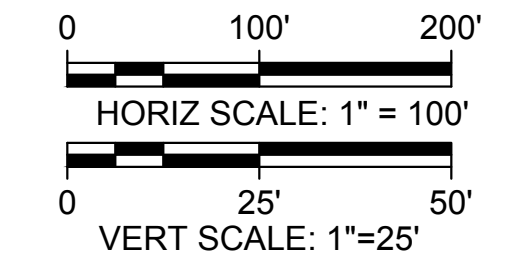
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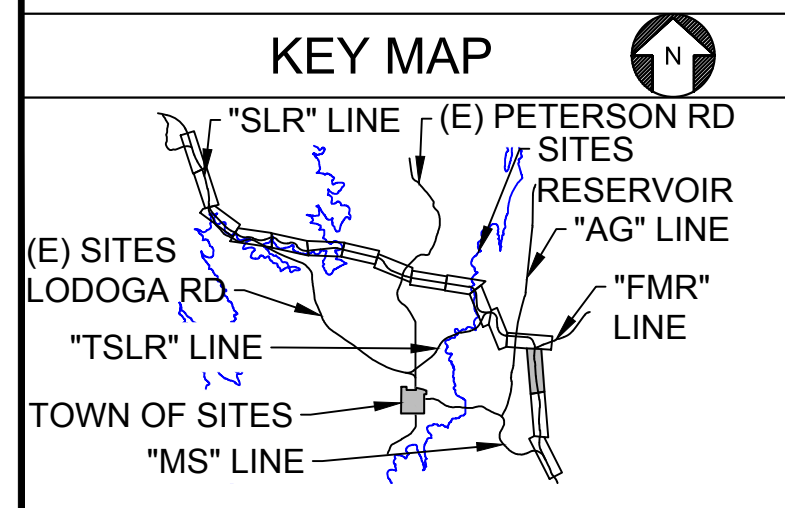


**SUPERELEVATION DIAGRAM**  
 HORIZ SCALE: 1" = 100'



**PROFILE**  
 HORIZ SCALE: 1" = 100'  
 VERT SCALE: 1" = 25'

**NOTES**



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
V. DOCTOLERO

DRAWN BY:  
E. SMITH

CHECKED BY:  
A. GLEN

IN CHARGE:  
H. MICHAEL

DATE:  
03/15/24



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 V. DOCTOLERO  
 C78231  
 CALIFORNIA

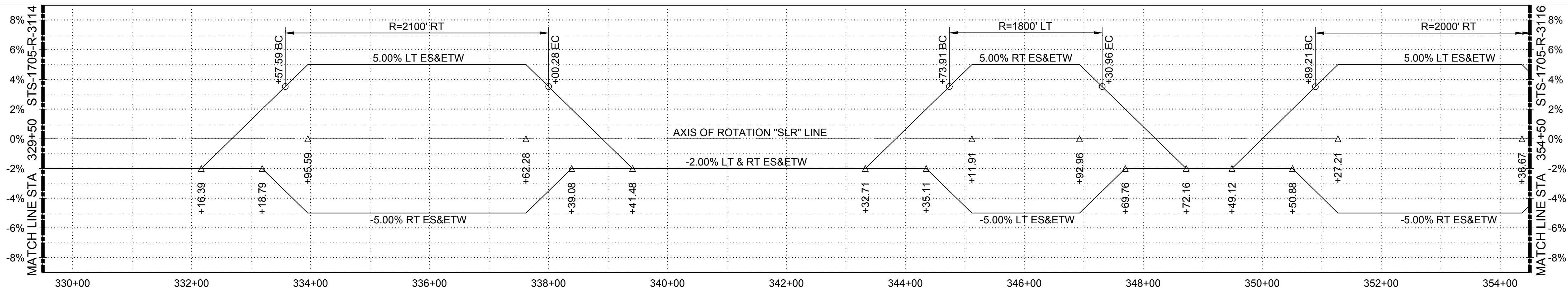


**SITES RESERVOIR**  
 SITES RESERVOIR ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 SUPERELEVATION AND PROFILE

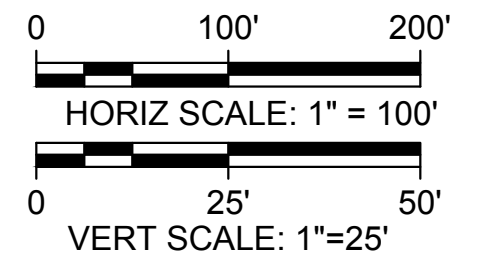
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DRAWING NO.  
STS-1705-R-3114  
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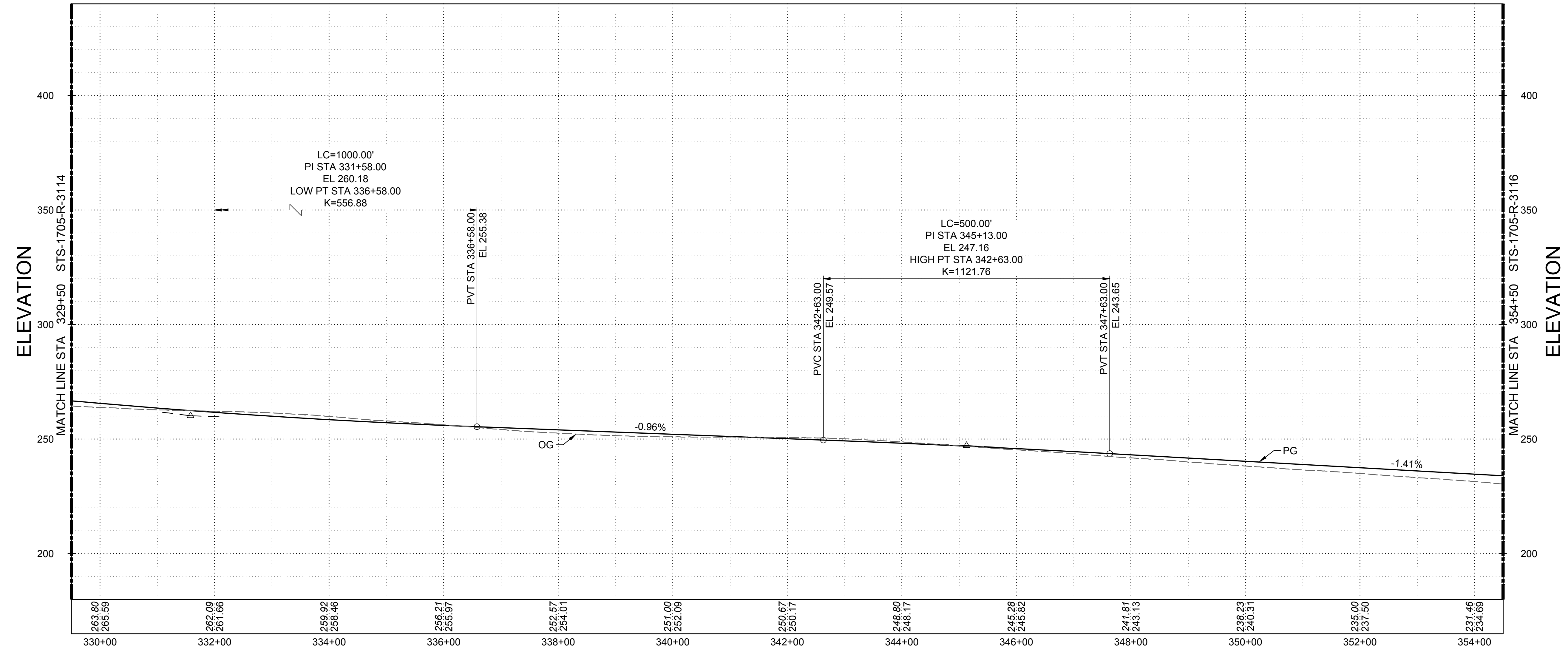
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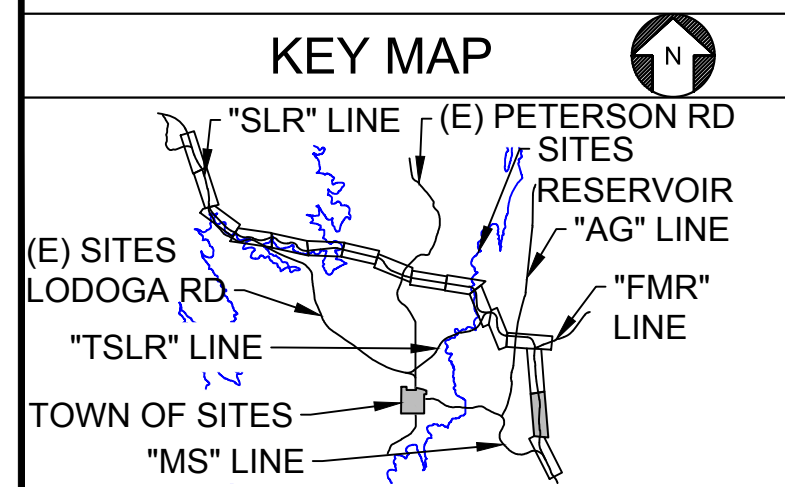
**SUPERELEVATION DIAGRAM**  
HORIZ SCALE: 1" = 100'



**NOTES**



**PROFILE**  
HORIZ SCALE: 1" = 100'  
VERT SCALE: 1" = 25'



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DESIGNED BY:	V. DOCTORO
DRAWN BY:	E. SMITH
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24



REGISTERED PROFESSIONAL ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA



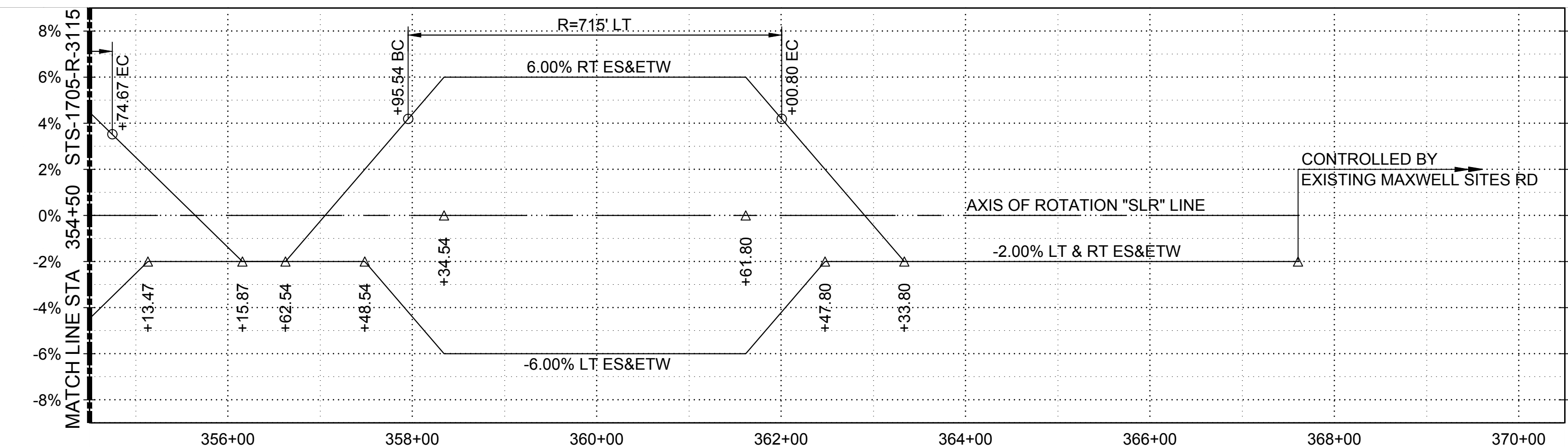
**SITES RESERVOIR**  
 SITES RESERVOIR ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 SUPERELEVATION AND PROFILE

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS.  
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 DRAWING NO. STS-1705-R-3115  
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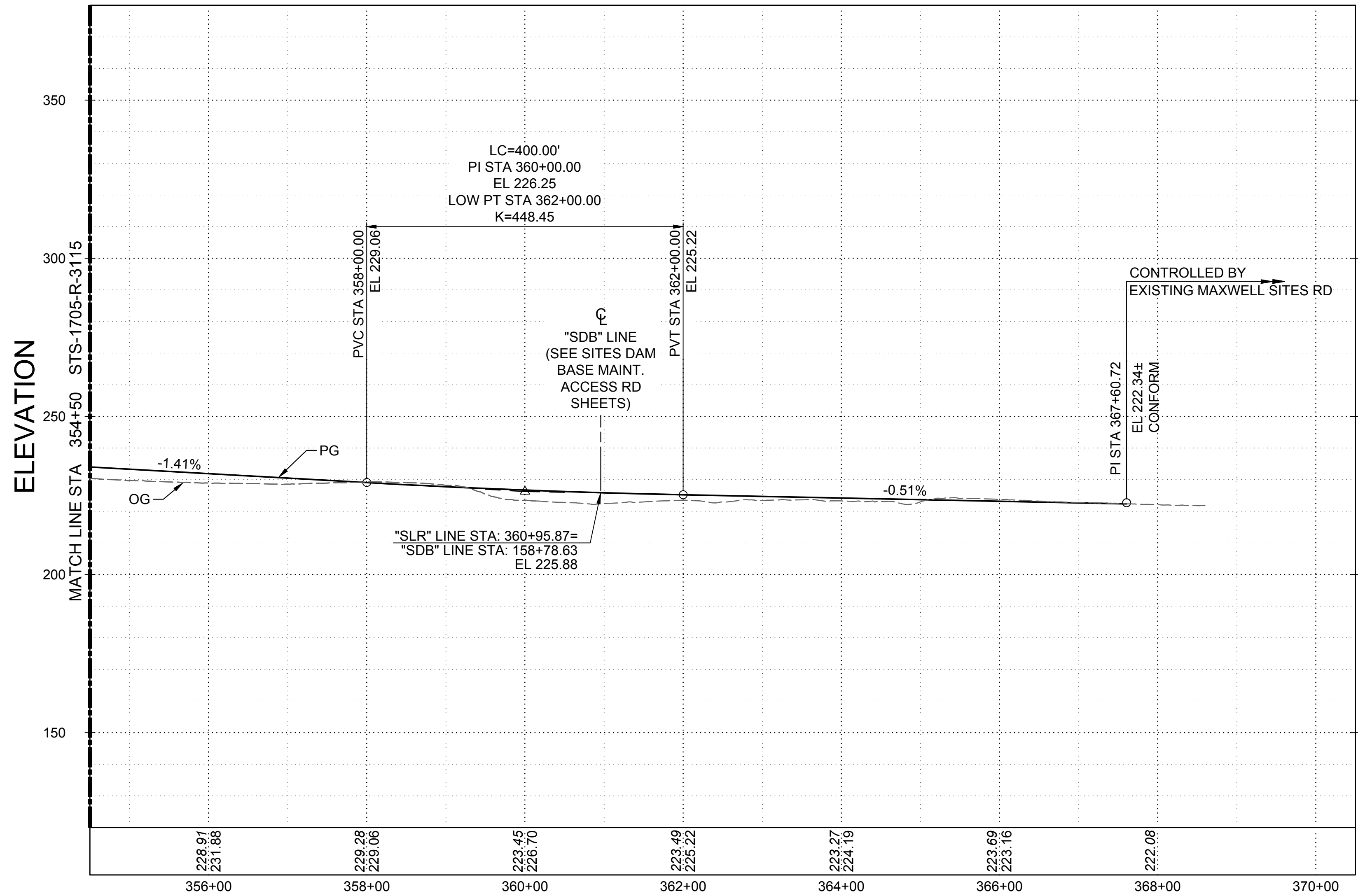
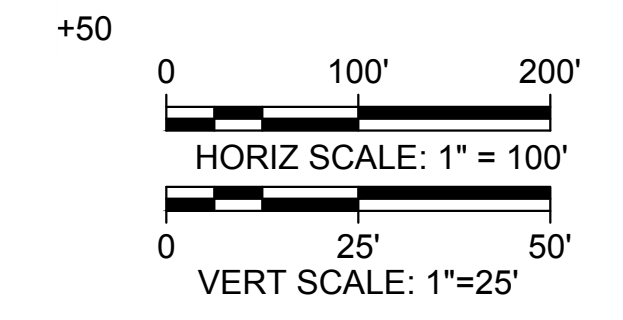
30% SUBMITTAL - NOT FOR CONSTRUCTION

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Plot Date: 3/21/2024 1:51 PM  
 Saved By: SMITHET3  
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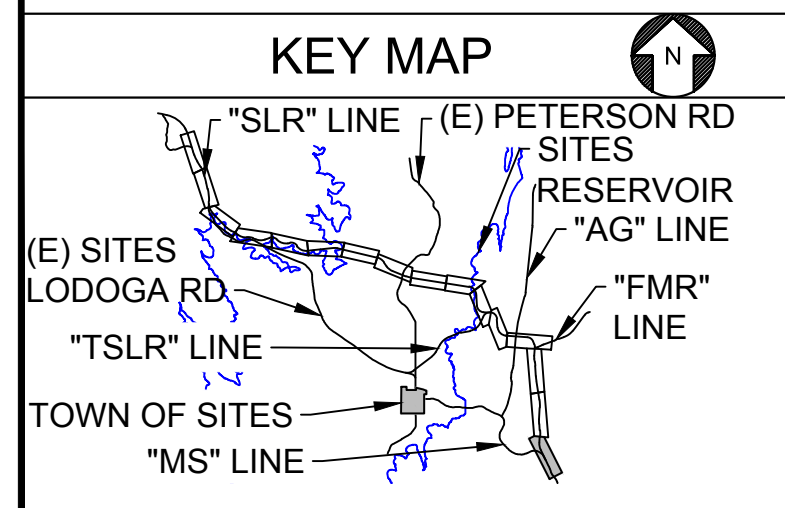


**SUPERELEVATION DIAGRAM**  
 HORIZ SCALE: 1" = 100'



**PROFILE**  
 HORIZ SCALE: 1" = 100'  
 VERT SCALE: 1" = 25'

**NOTES**



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: V. DOCTORO  
 DRAWN BY: E. SMITH  
 CHECKED BY: A. GLEN  
 IN CHARGE: H. MICHAEL  
 DATE: 03/15/24



REGISTERED PROFESSIONAL ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA



**SITES RESERVOIR**  
 SITES RESERVOIR ROADWAY  
 SITES LODOGA ROAD REALIGNMENT  
 SUPERELEVATION AND PROFILE

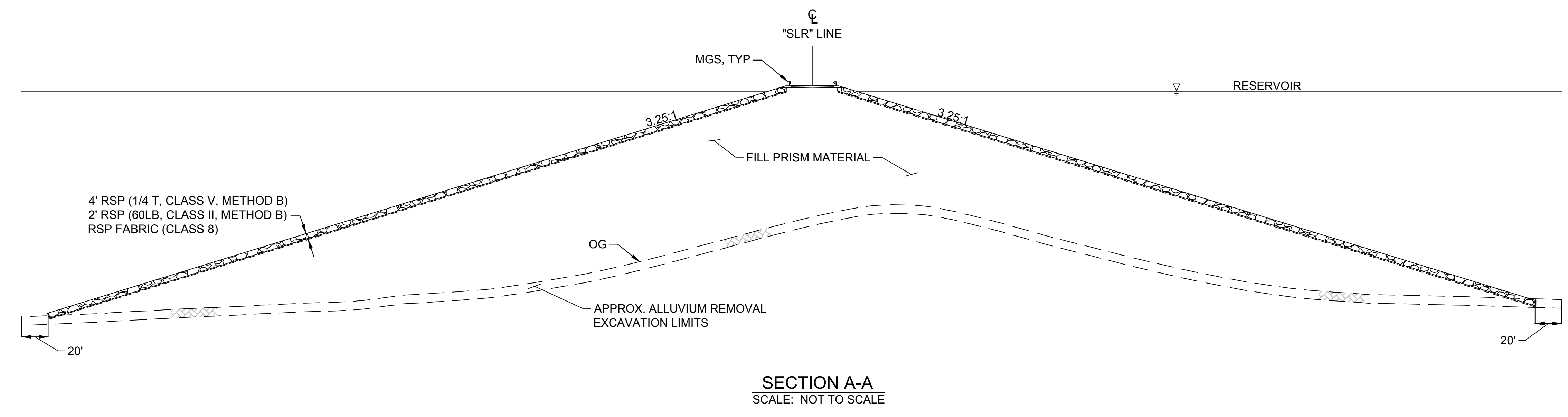
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 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
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30% SUBMITTAL - NOT FOR CONSTRUCTION

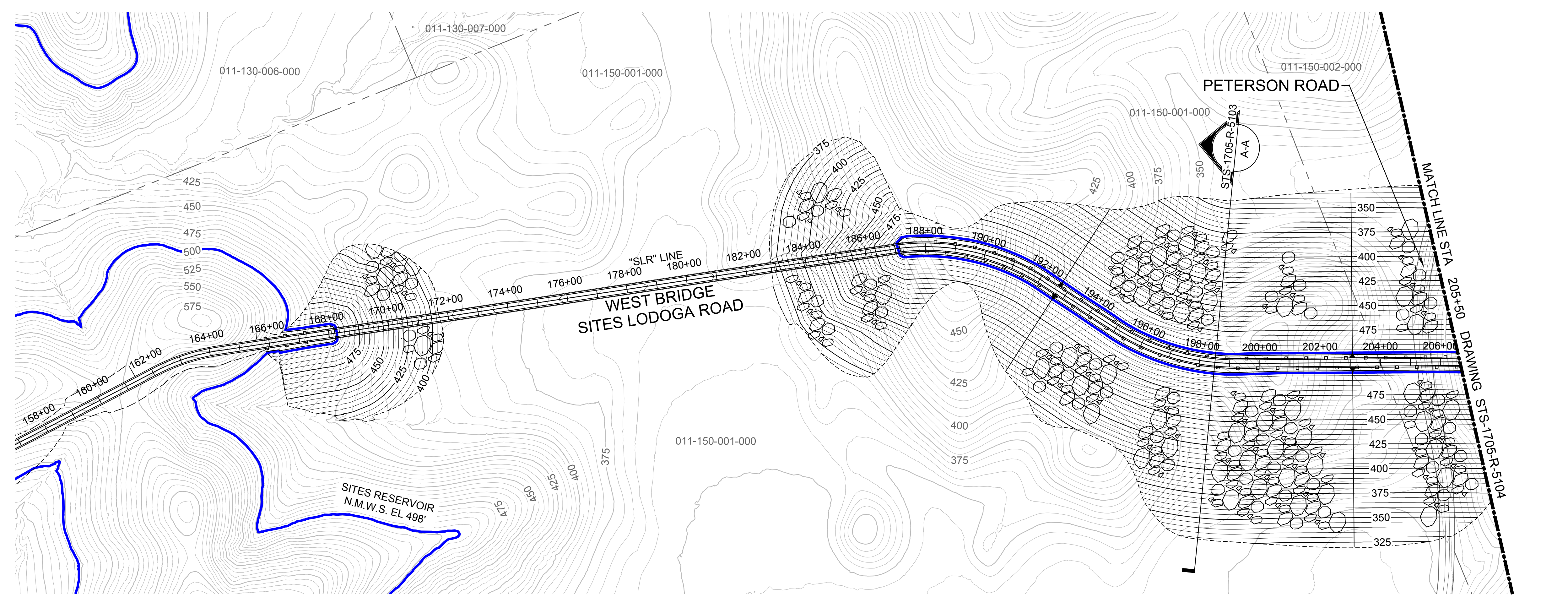
**GENERAL NOTES**

1. GEOTECHNICAL INFORMATION AND FIELD INVESTIGATIONS NEEDED TO DETERMINE ALLUVIUM REMOVAL EXCAVATION LIMITS. THESE ARE SHOWN AS PRELIMINARY AND WILL BE COORDINATED IN SUBSEQUENT DESIGN PHASES.
2. PROPOSED ROCK SLOPE PROTECTION LIMITS ARE CONCEPTUAL FOR 30% DESIGN. GRADING LIMITS AND HYDROLOGY AND HYDRAULIC ANALYSIS WILL BE PERFORMED IN A LATER DESIGN PHASE TO APPROPRIATELY SIZE AND DETAIL THESE AREAS.

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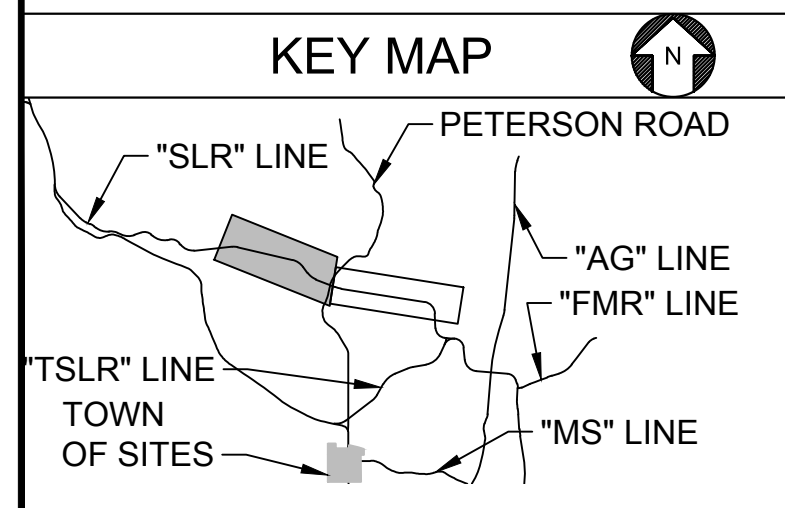


**SECTION A-A**  
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**PLAN**  
HORIZ SCALE: 1" = 200'

0 200' 400'  
HORIZ SCALE: 1" = 200'



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Saved By: SMITHE13

DESIGNED BY:	V. DOCTOLERO
DRAWN BY:	E. SMITH
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

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

REGISTERED PROFESSIONAL ENGINEER  
V. DOCTOLERO  
C78231  
CALIFORNIA

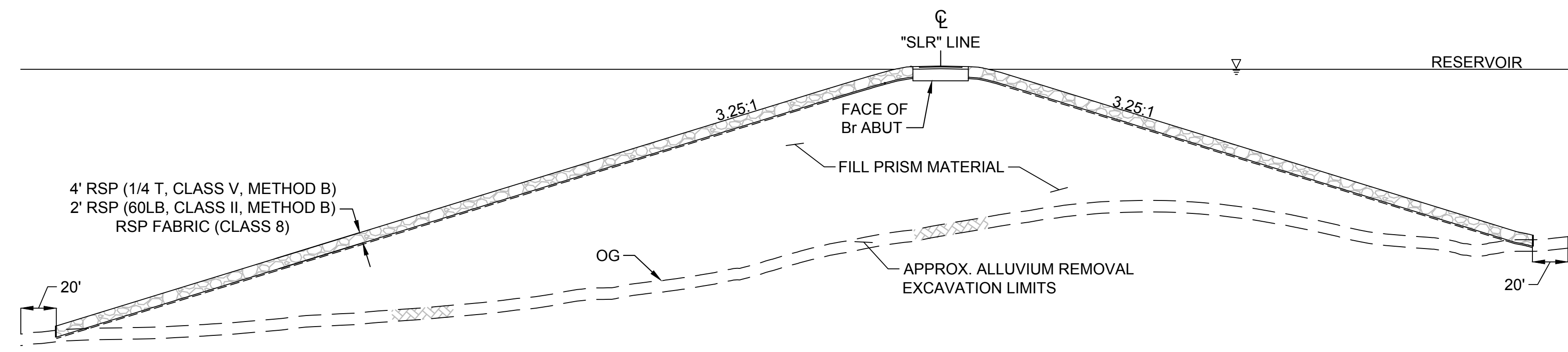


**SITES RESERVOIR**  
SITES RESERVOIR ROADWAY  
SITES LODOGA ROAD REALIGNMENT WEST BRIDGE  
GRADING PLAN

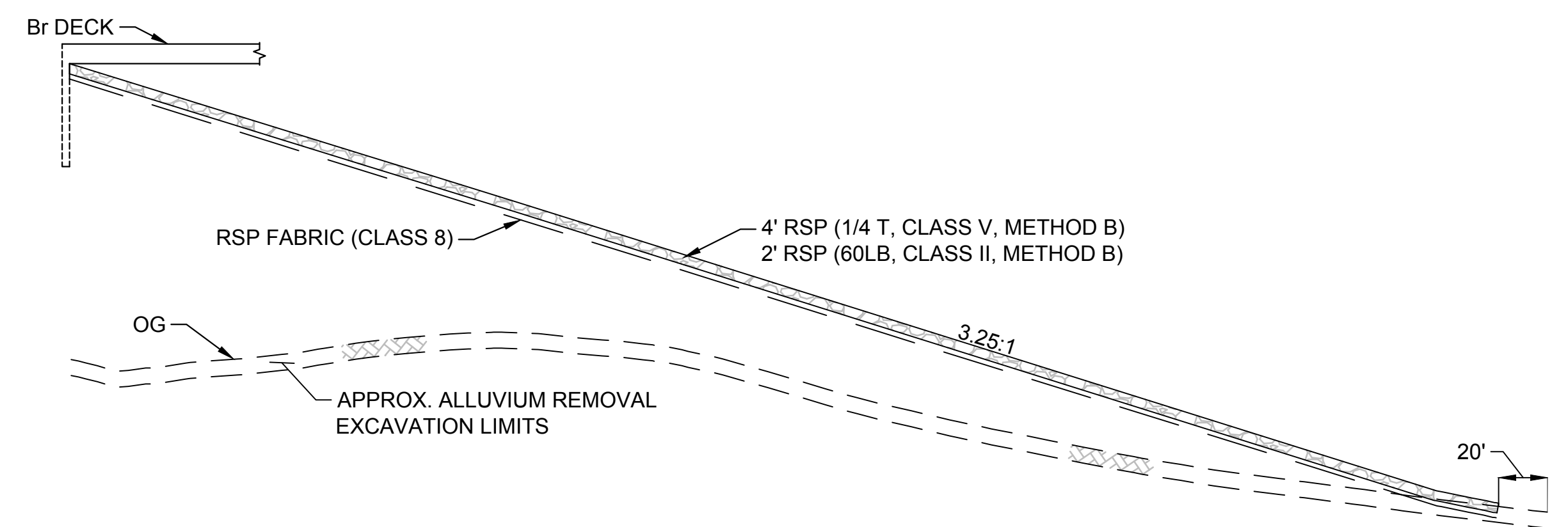
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DRAWING NO.	STS-1705-R-5103
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30% SUBMITTAL - NOT FOR CONSTRUCTION

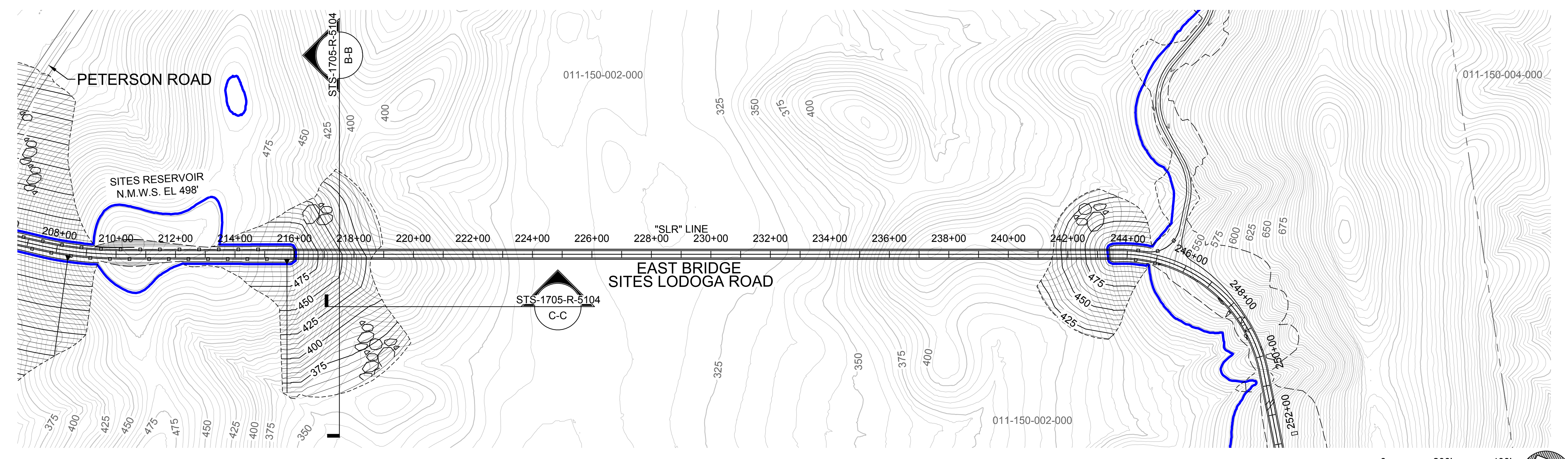
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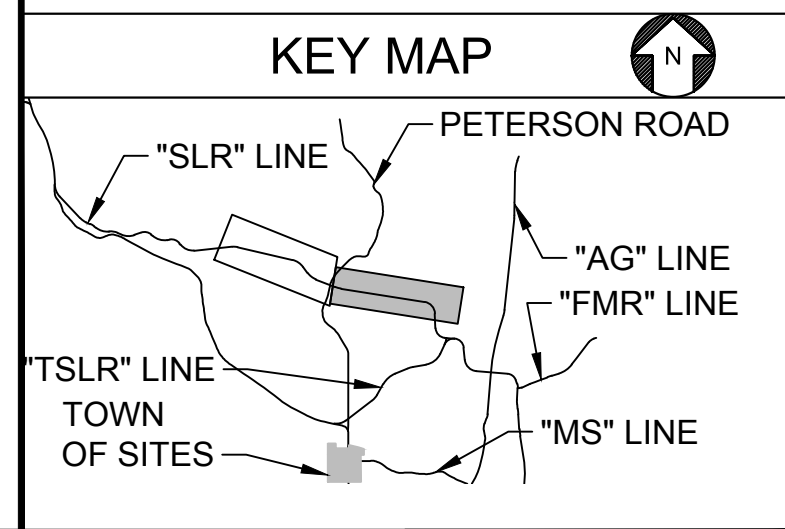
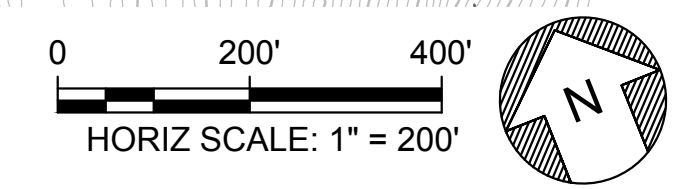
**SECTION B-B**  
SCALE: NOT TO SCALE



**VIEW C-C**  
SCALE: NOT TO SCALE



**PLAN**  
HORIZ SCALE: 1" = 200'



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: V. DOCTORO  
 DRAWN BY: E. SMITH  
 CHECKED BY: A. GLEN  
 IN CHARGE: H. MICHAEL  
 DATE: 03/15/24



REGISTERED PROFESSIONAL ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA

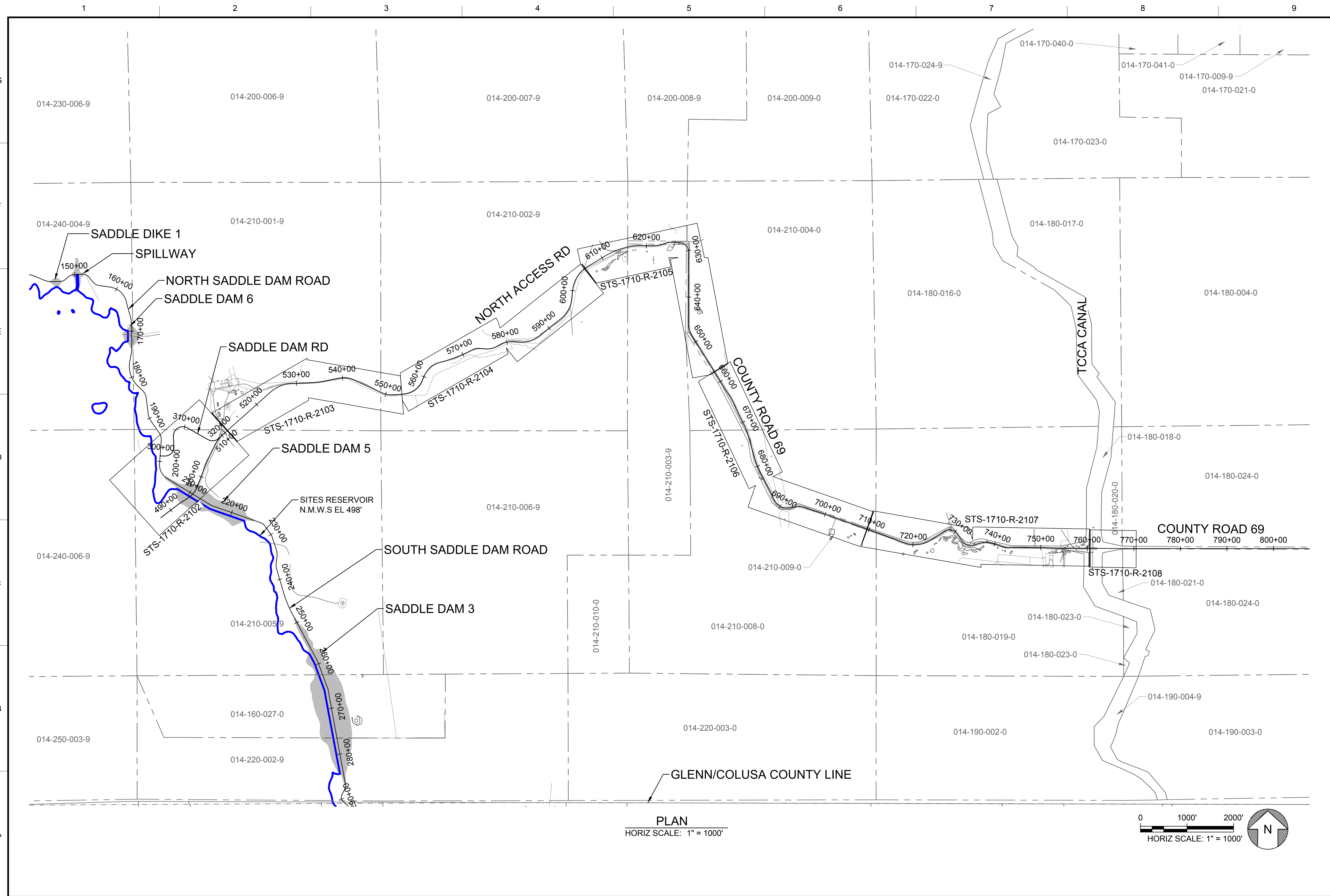


**SITES RESERVOIR**  
 SITES RESERVOIR ROADWAY  
 SITES LODOGA ROAD REALIGNMENT EAST BRIDGE  
 GRADING PLAN

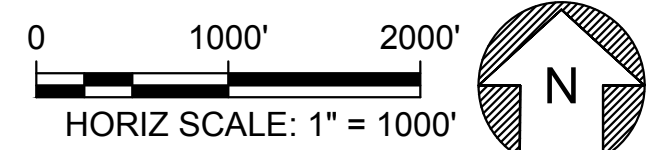
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 DRAWING NO. STS-1705-R-5104  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

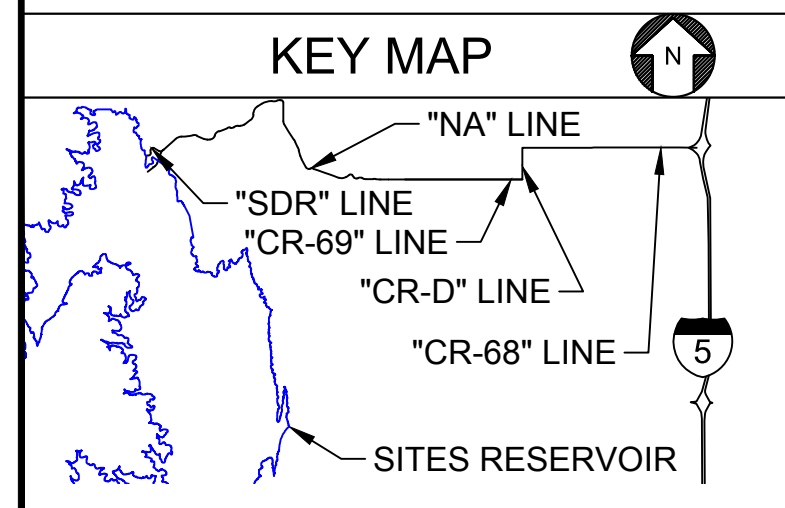
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**PLAN**  
HORIZ SCALE: 1" = 1000'



- GENERAL NOTES**
1. RIGHT OF WAY DATA SHOWN IS FROM COUNTY GIS DATA PROVIDED IN 2020. LOCATION OF PROPERTY LINES WILL BE VERIFIED IN SUBSEQUENT DESIGN PHASES.
  2. REFER TO THE GENERAL RESERVOIR ARRANGEMENT PLAN AND FEATURE LOCATION NAME LIST SHEETS FOR ADDITIONAL INFORMATION NOT SHOWN



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
K. TRAN

DRAWN BY:  
S. KHOYGANI

CHECKED BY:  
A. GLEN

IN CHARGE:  
H. MICHAEL

DATE:  
03/15/24



REGISTERED  
PROFESSIONAL  
ENGINEER  
V. DOCTOLERO  
C78231  
CALIFORNIA



**SITES RESERVOIR**

SITES RESERVOIR  
ROADWAY  
SADDLE DAM ROAD AND NORTH ACCESS ROAD  
KEY MAP INDEX

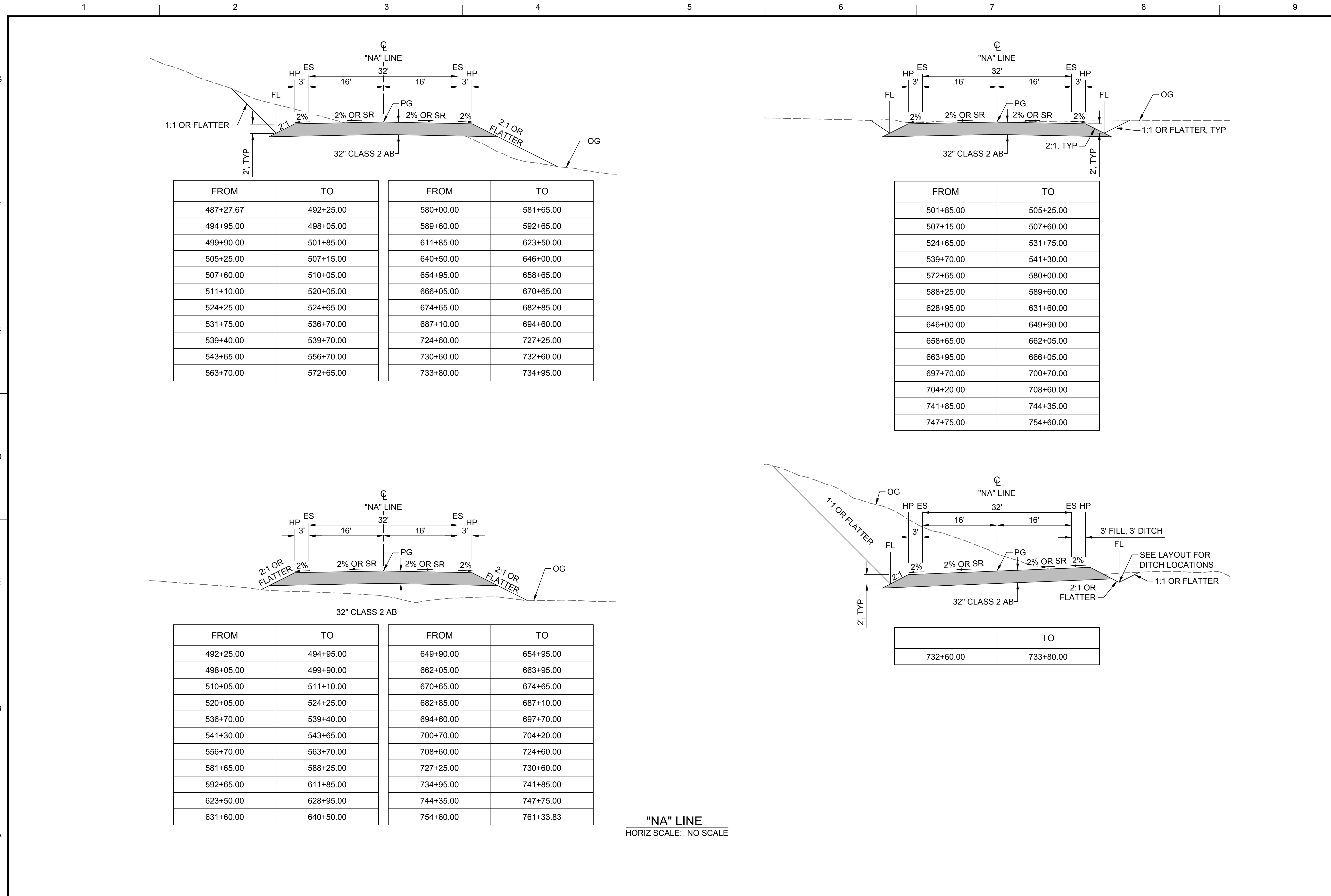
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0 1" 1000'

DRAWING NO.  
STS-1710-R-1100  
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- GENERAL NOTES**
- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTION) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE CALTRANS STANDARD SPECIFICATIONS. PAVEMENT STRUCTURAL SECTIONS ARE PENDING GEOTECHNICAL INVESTIGATIONS.
  - SUPERELEVATION RATES ARE SHOWN ON THE SUPERELEVATION DIAGRAMS.
  - REFER TO THE PROFILE AND SUPERELEVATION SHEETS.
  - REFER TO ROADWAY PLANS AND CONSTRUCTION DETAIL FOR INFORMATION NOT SHOWN.
  - PAVEMENT STRUCTURAL SECTION TO BE CONSTRUCTED ON COMPACTED NATIVE MATERIAL.
  - GEOTECHNICAL INFORMATION AND FIELD INVESTIGATIONS NEEDED TO DETERMINE CUT AND FILL SLOPES, AND RETAINING WALL LIMITS. POTENTIAL RETAINING WALL PLACEMENT IS PRELIMINARY. SEE LAYOUT PLANS FOR APPROXIMATE LIMITS.

FROM	TO	FROM	TO
487+27.67	492+25.00	580+00.00	581+65.00
494+95.00	498+05.00	589+60.00	592+65.00
499+90.00	501+85.00	611+85.00	623+50.00
505+25.00	507+15.00	640+50.00	646+00.00
507+60.00	510+05.00	654+95.00	658+65.00
511+10.00	520+05.00	666+05.00	670+65.00
524+25.00	524+65.00	674+65.00	682+85.00
531+75.00	536+70.00	687+10.00	694+60.00
539+40.00	539+70.00	724+60.00	727+25.00
543+65.00	556+70.00	730+60.00	732+60.00
563+70.00	572+65.00	733+80.00	734+95.00

FROM	TO
501+85.00	505+25.00
507+15.00	507+60.00
524+65.00	531+75.00
539+70.00	541+30.00
572+65.00	580+00.00
588+25.00	589+60.00
628+95.00	631+60.00
646+00.00	649+90.00
658+65.00	662+05.00
663+95.00	666+05.00
697+70.00	700+70.00
704+20.00	708+60.00
741+85.00	744+35.00
747+75.00	754+60.00

FROM	TO	FROM	TO
492+25.00	494+95.00	649+90.00	654+95.00
498+05.00	499+90.00	662+05.00	663+95.00
510+05.00	511+10.00	670+65.00	674+65.00
520+05.00	524+25.00	682+85.00	687+10.00
536+70.00	539+40.00	694+60.00	697+70.00
541+30.00	543+65.00	700+70.00	704+20.00
556+70.00	563+70.00	708+60.00	724+60.00
581+65.00	588+25.00	727+25.00	730+60.00
592+65.00	611+85.00	734+95.00	741+85.00
623+50.00	628+95.00	744+35.00	747+75.00
631+60.00	640+50.00	754+60.00	761+33.83

FROM	TO
732+60.00	733+80.00

"NA" LINE  
HORIZ SCALE: NO SCALE

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
K. TRAN  
DRAWN BY:  
L. NITKA  
CHECKED BY:  
A. GLEN  
IN CHARGE:  
H. MICHAEL  
DATE:  
03/15/24



REGISTERED PROFESSIONAL ENGINEER  
V. DOCTOLERO  
C78231  
CALIFORNIA

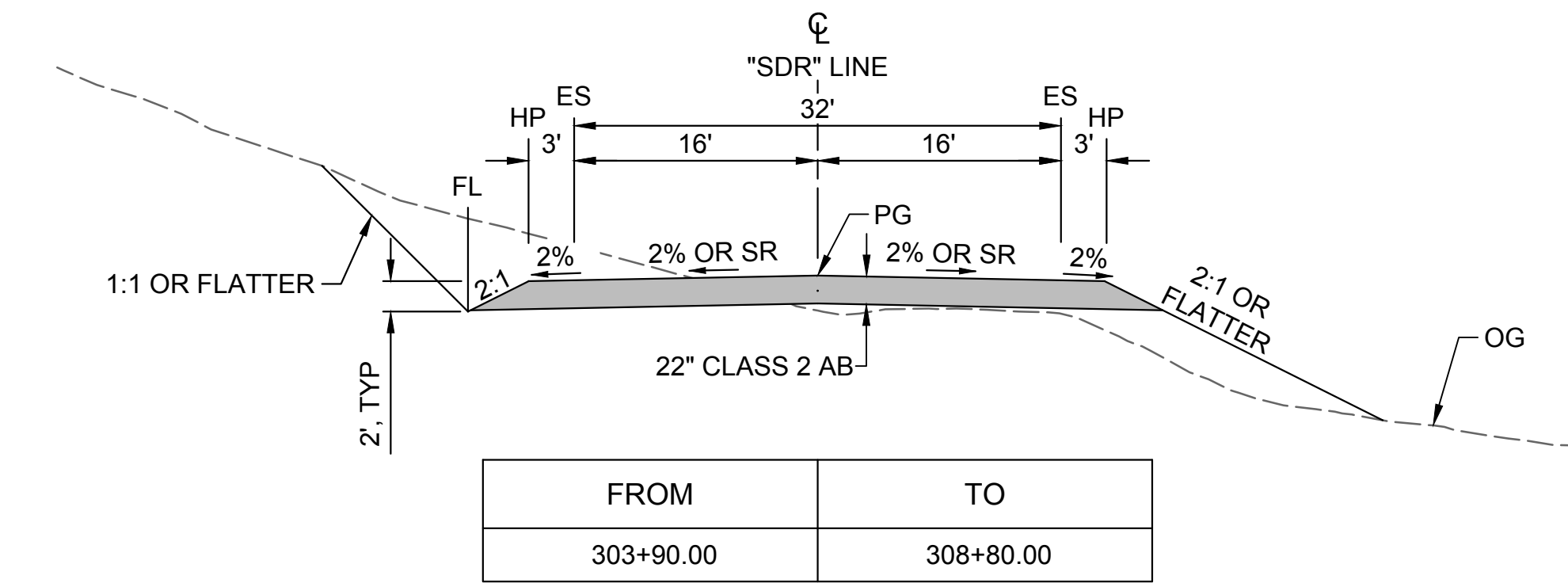
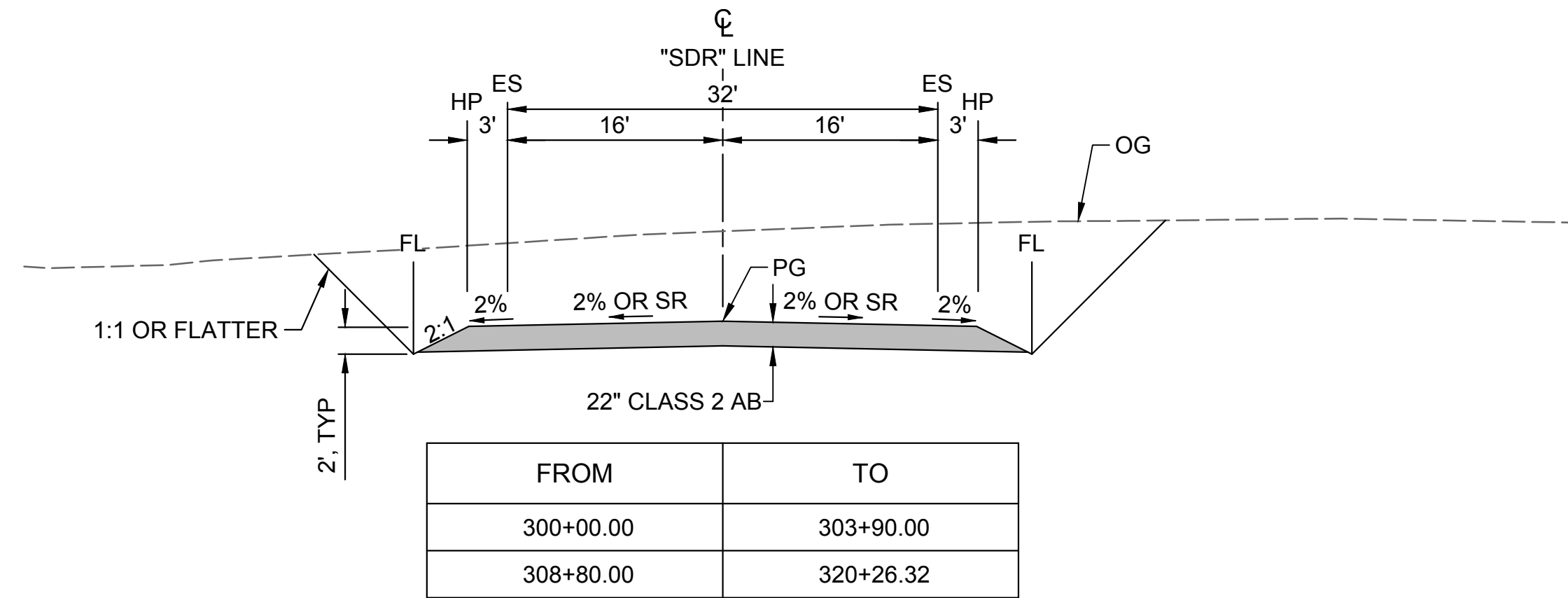


**SITES RESERVOIR**  
SITES RESERVOIR ROADWAY  
NORTH ACCESS ROAD  
TYPICAL SECTIONS

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
DRAWING NO.  
STS-1710-R-1101  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION





"SDR" LINE  
HORIZ SCALE: NO SCALE

Plot Date: 3/22/2024 11:55 AM  
Saved By: JUSTIN, CHANZ  
File: C:\pwworking\hdr\_sitas\_reservoir\dms01516\STS-1710-R-1102.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	K. KRAMER
DRAWN BY:	L. NITKA
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24



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PROFESSIONAL  
ENGINEER  
V. DOCTOLERO  
C78231  
CALIFORNIA



SITES RESERVOIR

SITES RESERVOIR  
ROADWAY  
SADDLE DAM ROAD  
TYPICAL SECTIONS

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS 0 1"
DRAWING NO. STS-1710-R-1102 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

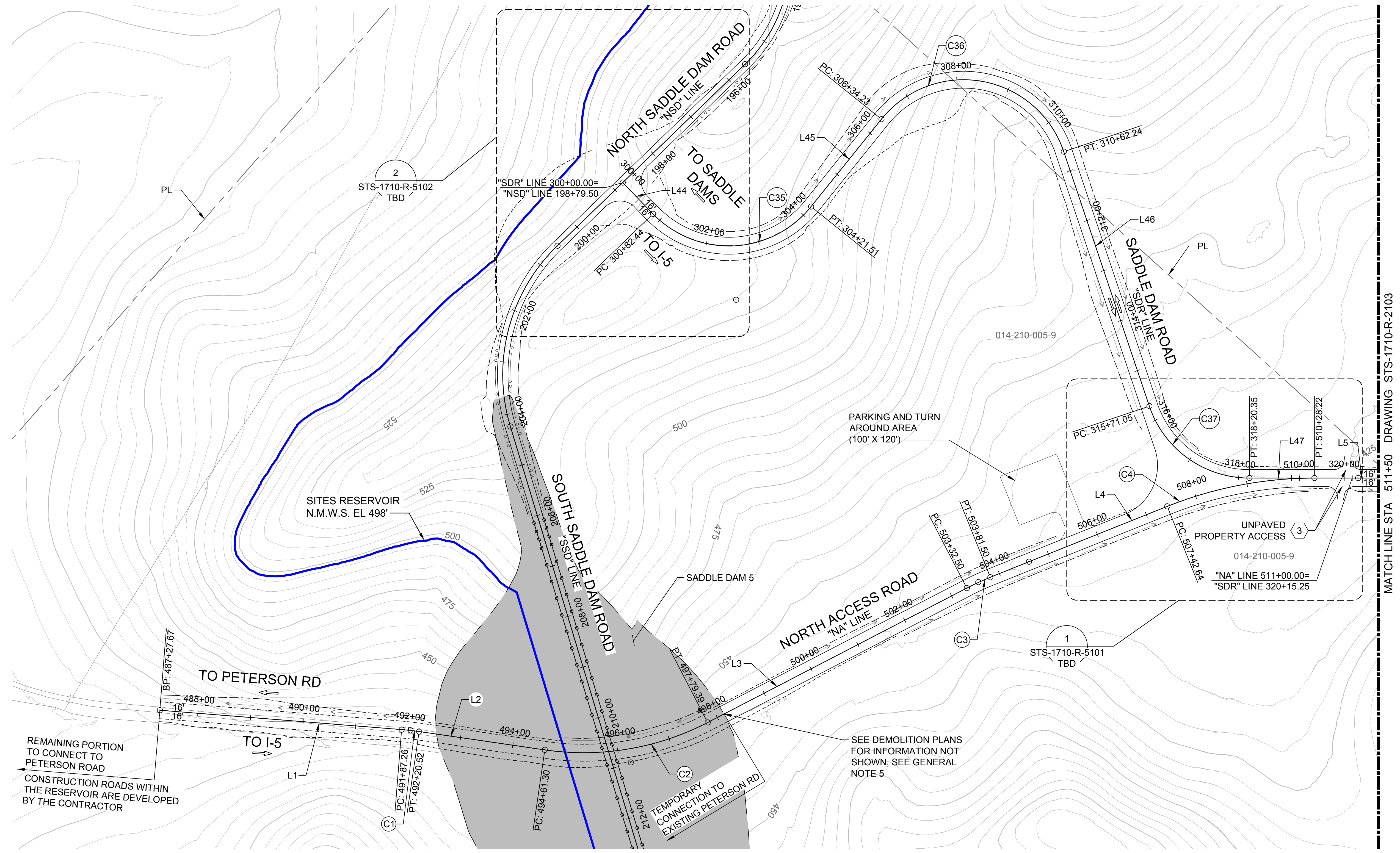
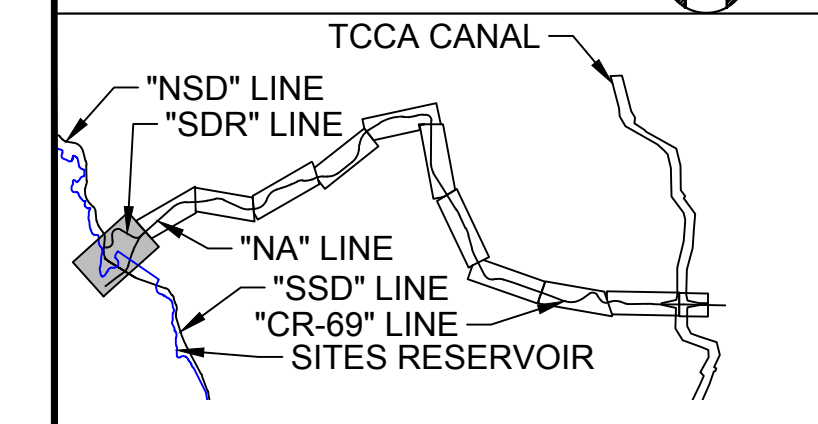
**GENERAL NOTES**

- FOR EXISTING ELEMENTS TO BE REMOVED, ABANDONED, OR RESET, REFER TO THE DEMOLITION SHEETS. THESE WILL BE DEVELOPED IN A LATER DESIGN PHASE.
- RIGHT OF WAY DATA SHOWN IS FROM COUNTY GIS DATA PROVIDED IN 2020.
- REFER TO CONSTRUCTION DETAIL SHEETS FOR ADDITIONAL INFORMATION NOT SHOWN.
- GEOTECHNICAL INFORMATION AND FIELD INVESTIGATIONS NEEDED TO DETERMINE PAVEMENT STRUCTURAL SECTIONS AND RETAINING WALL LIMITS. POTENTIAL RETAINING WALL PLACEMENT IS PRELIMINARY.
- PROPOSED DRAINAGE CULVERTS, BOX CULVERTS, AND DITCHES ARE CONCEPTUAL FOR 30% DESIGN. HYDROLOGY AND HYDRAULICS ANALYSIS WILL BE PERFORMED IN A LATER DESIGN PHASE TO APPROPRIATELY SIZE FOR ROADWAY DRAINAGE AND CONVEYANCE.
- PAVEMENT DELINEATION SHOWN IS FINAL STRIPING.
- FOR CURVE AND TANGENT ALIGNMENT DATA, REFER TO THE LINE AND CURVE GEOMETRY UNDER THE GENERAL PROJECT SHEETS WITH STS-0001-G DESIGNATION.

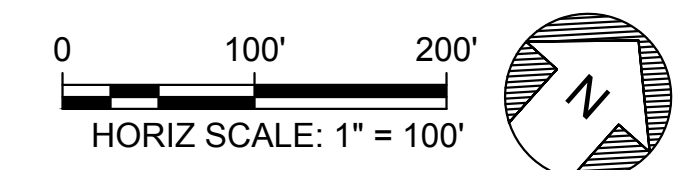
**SHEET KEY NOTES**

- UTILITY RELOCATION TO BE COORDINATED WITH THE UTILITY OWNER IN A LATER DESIGN PHASE.
- UNIDENTIFIED FEATURE DETERMINED FROM AERIAL SURVEY. FIELD VERIFICATION OR SURVEY INFORMATION IS REQUIRED FOR PROPOSED DESIGN.
- RECONSTRUCT DRIVEWAY OR PROPERTY ACCESS AND MAINTAIN ACCESS DURING CONSTRUCTION.
- GUARD RAILING LIMITS SHOWN ARE PRELIMINARY AND WILL BE FURTHER EVALUATED AT A LATER DESIGN PHASE.

**KEY MAP**



**PLAN**  
HORIZ SCALE: 1" = 100'



**VERIFY SCALES**

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

DRAWING NO. STS-1710-R-2102  
SHT OF

Plot Date: 3/22/2024 10:27 AM File: C:\pwworking\hdr\_sites\_reservoir\dms01516\STS-1710-R-2102.dwg Saved By: LYNDIA, NITKA

DESIGNED BY:	R. VALDEZ
DRAWN BY:	L. NITKA
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

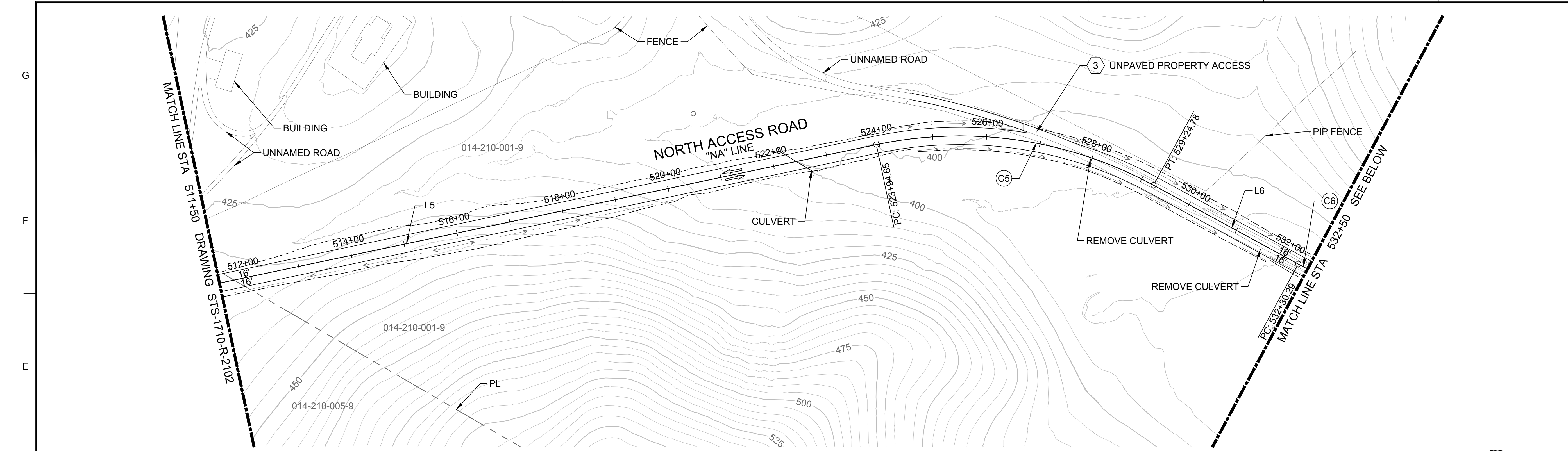


REGISTERED PROFESSIONAL ENGINEER  
V. DOCTORO  
C78231  
CALIFORNIA

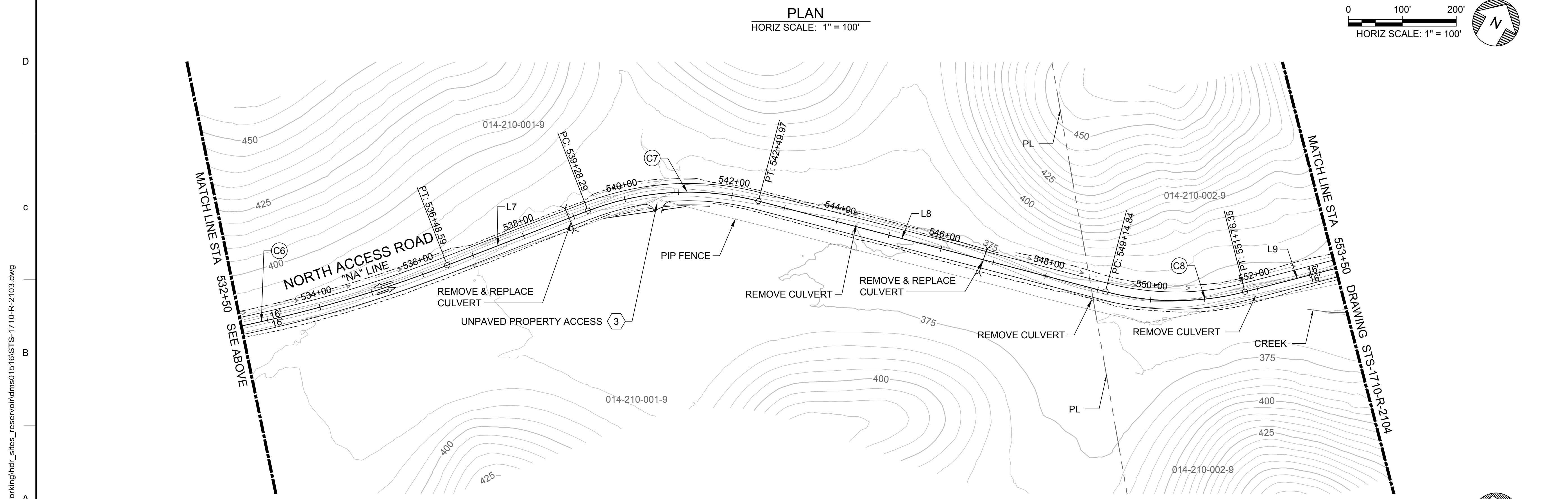
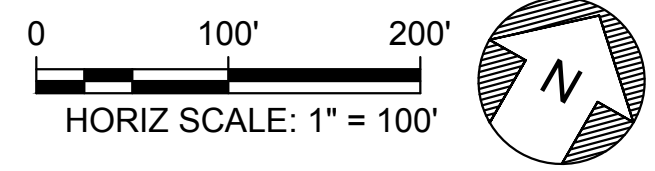


**SITES RESERVOIR**  
SITES RESERVOIR ROADWAY  
SADDLE DAM ROAD AND NORTH ACCESS ROAD  
PLAN

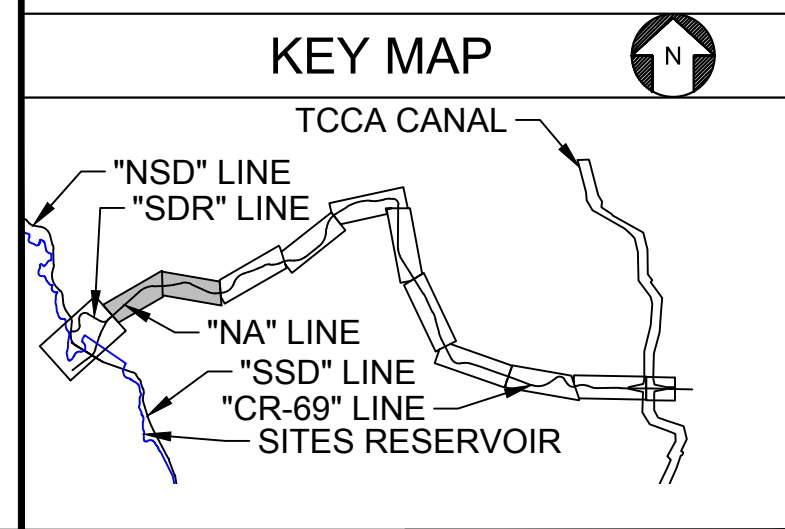
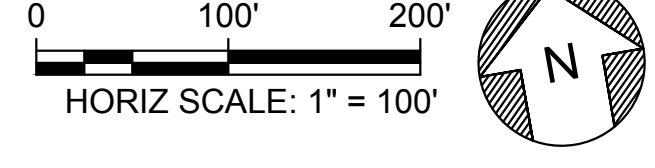
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN  
HORIZ SCALE: 1" = 100'



PLAN  
HORIZ SCALE: 1" = 100'



Plot Date: 3/21/2024 5:29 PM  
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 File: C:\pwworking\hdr\_sites\_reservoir\dms01516\STS-1710-R-2103.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	K. TRAN
DRAWN BY:	S. KHOYGANI
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

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

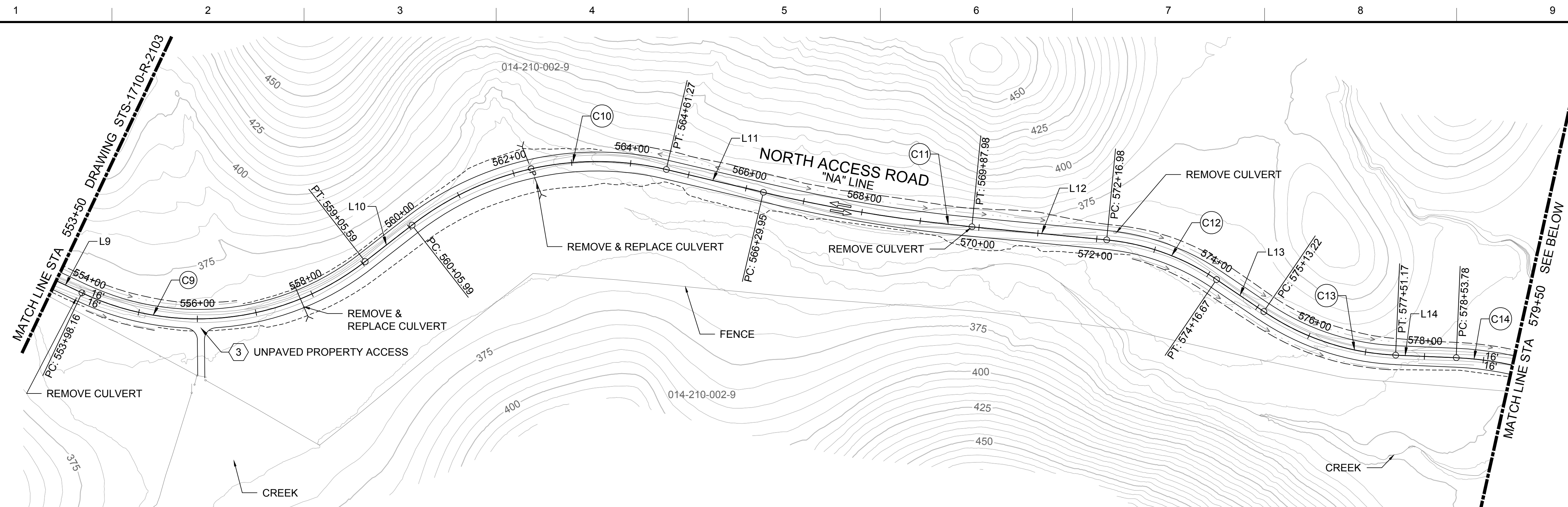
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTOLERO  
 C78231  
 CALIFORNIA



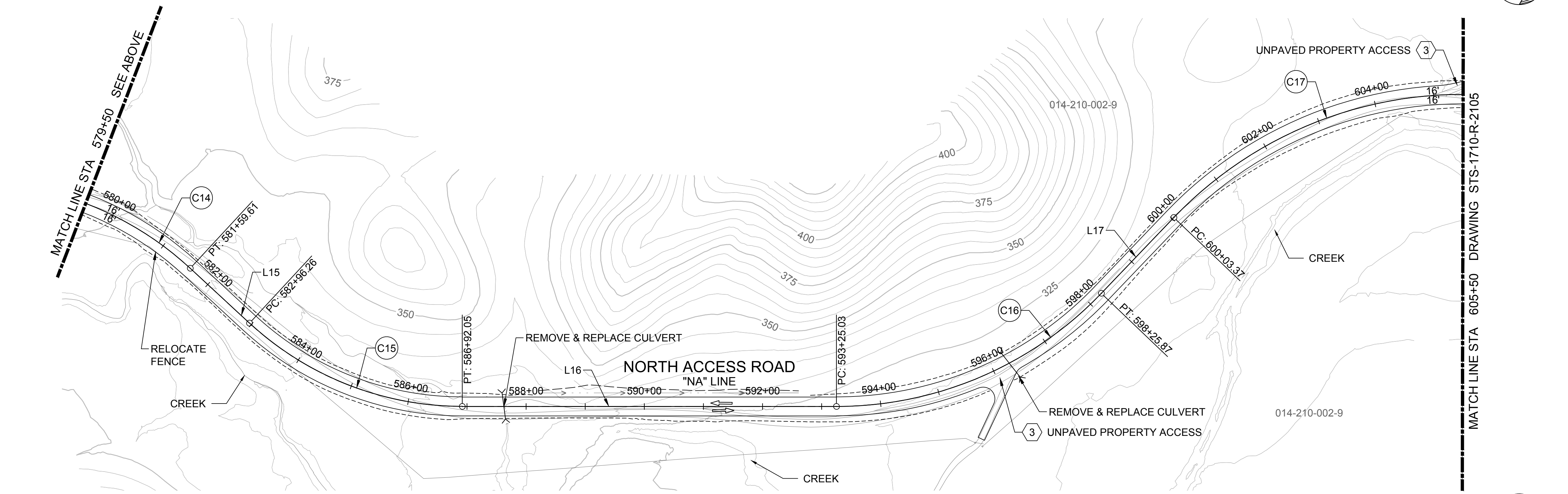
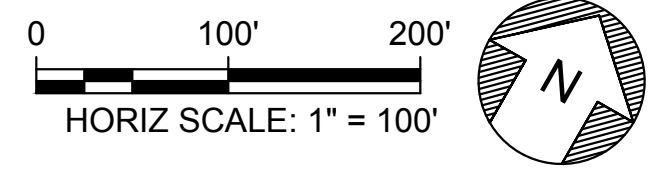
**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 NORTH ACCESS ROAD  
 PLAN

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
 0 100' 1"  
 DRAWING NO.  
 STS-1710-R-2103  
 SHT OF

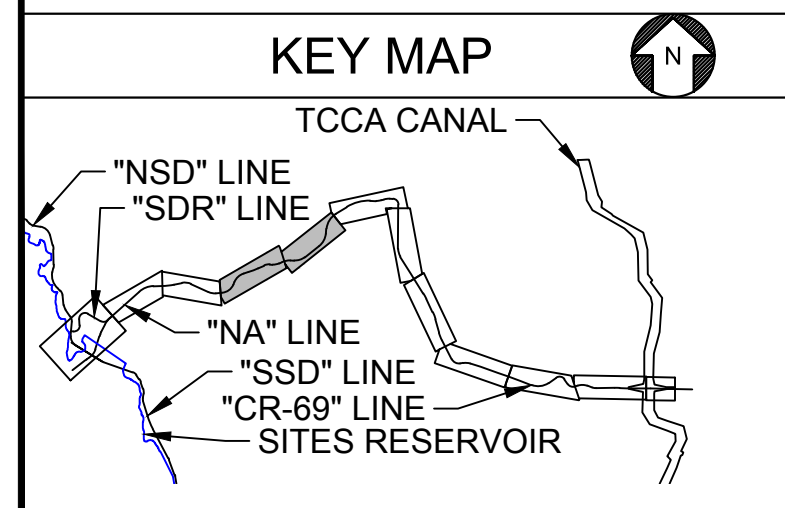
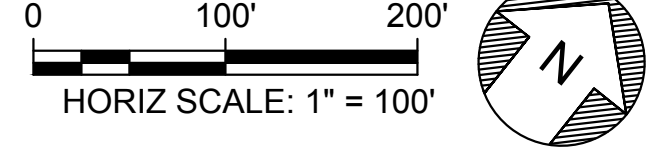
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN  
HORIZ SCALE: 1" = 100'



PLAN  
HORIZ SCALE: 1" = 100'



Plot Date: 3/21/2024 12:09 PM File: C:\pwworking\hdr\_sites\_reservoir\dms01516\STS-1710-R-2104.dwg Saved By: VALDEZR

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
K. TRAN  
DRAWN BY:  
L. NITKA  
CHECKED BY:  
A. GLEN  
IN CHARGE:  
H. MICHAEL  
DATE:  
03/15/24



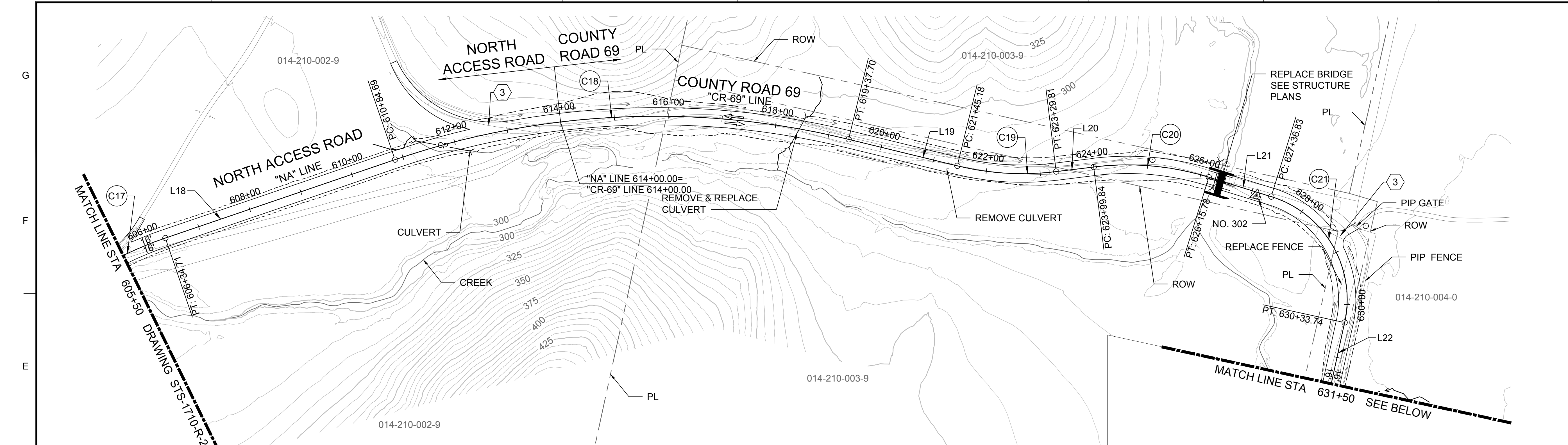
REGISTERED  
PROFESSIONAL  
ENGINEER  
V. DOCTOLERO  
C78231  
CALIFORNIA



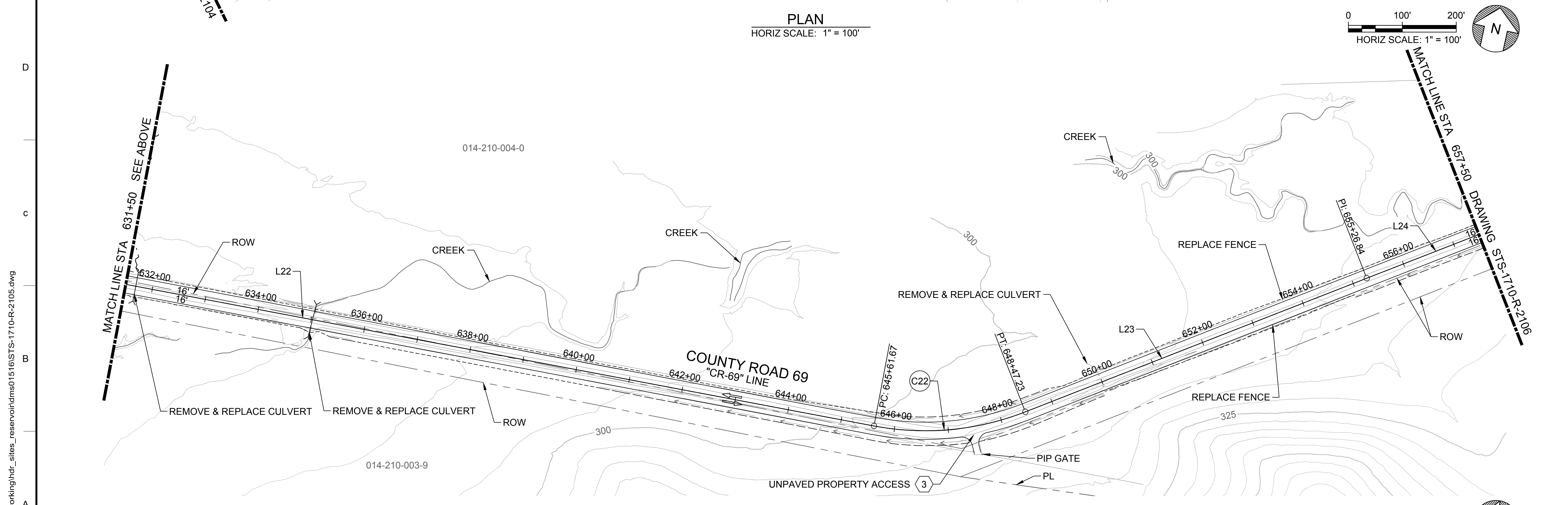
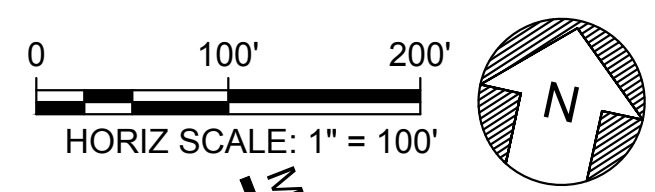
SITES RESERVOIR  
SITES RESERVOIR  
ROADWAY  
NORTH ACCESS ROAD  
PLAN

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL  
DRAWING. ADJUST SCALES FOR  
REDUCED PLOTS  
DRAWING NO.  
STS-1710-R-2104  
SHT OF

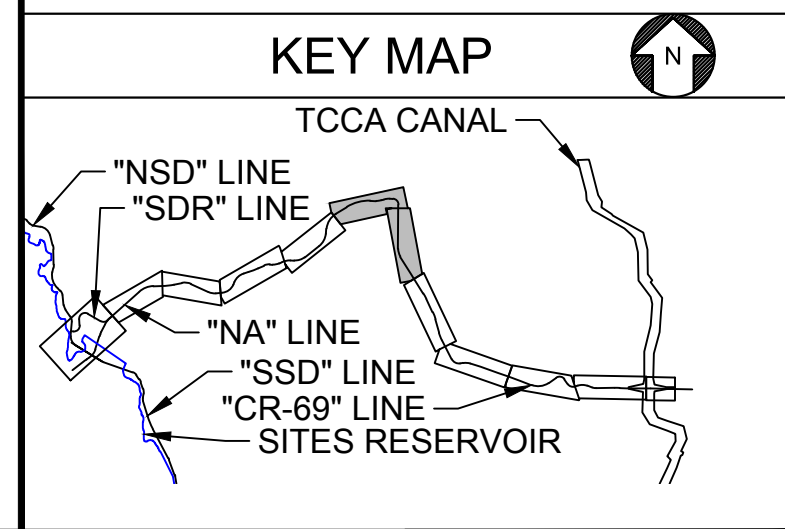
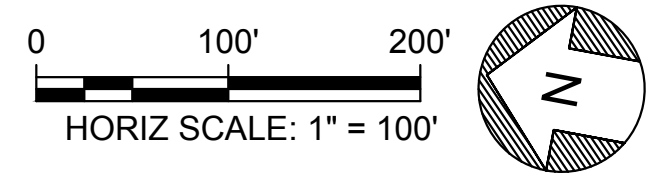
30% SUBMITTAL - NOT FOR CONSTRUCTION



**PLAN**  
HORIZ SCALE: 1" = 100'



**PLAN**  
HORIZ SCALE: 1" = 100'



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 File: C:\pwworking\hdr\_sites\_reservoir\dms01516\STS-1710-R-2105.dwg

DESIGNED BY:	K. TRAN
DRAWN BY:	L. NITKA
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

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

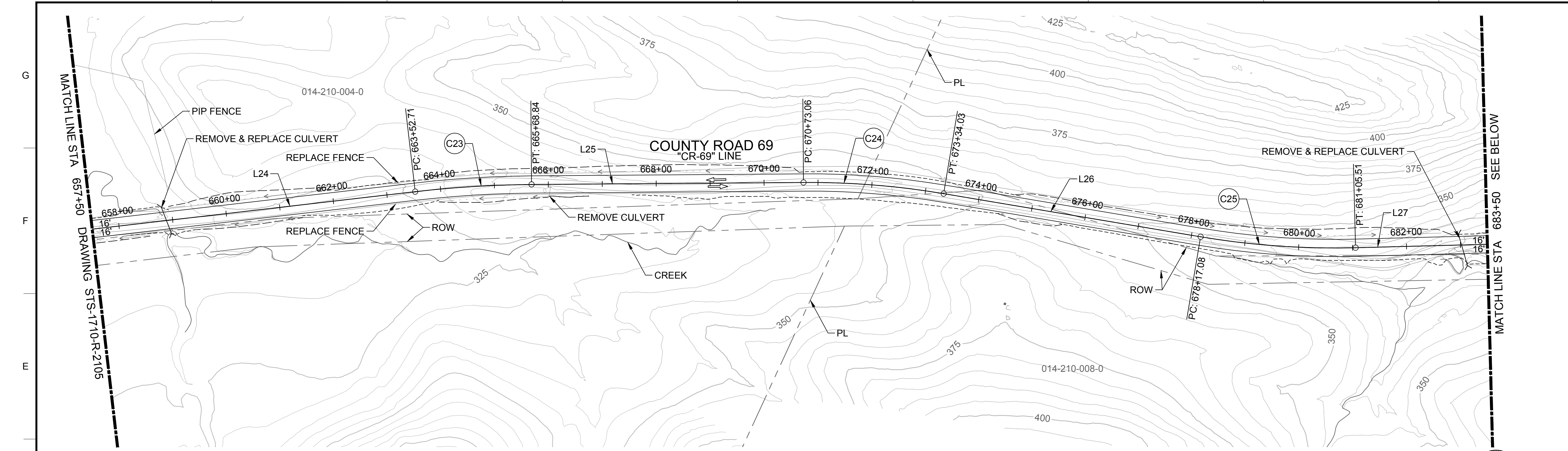
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA



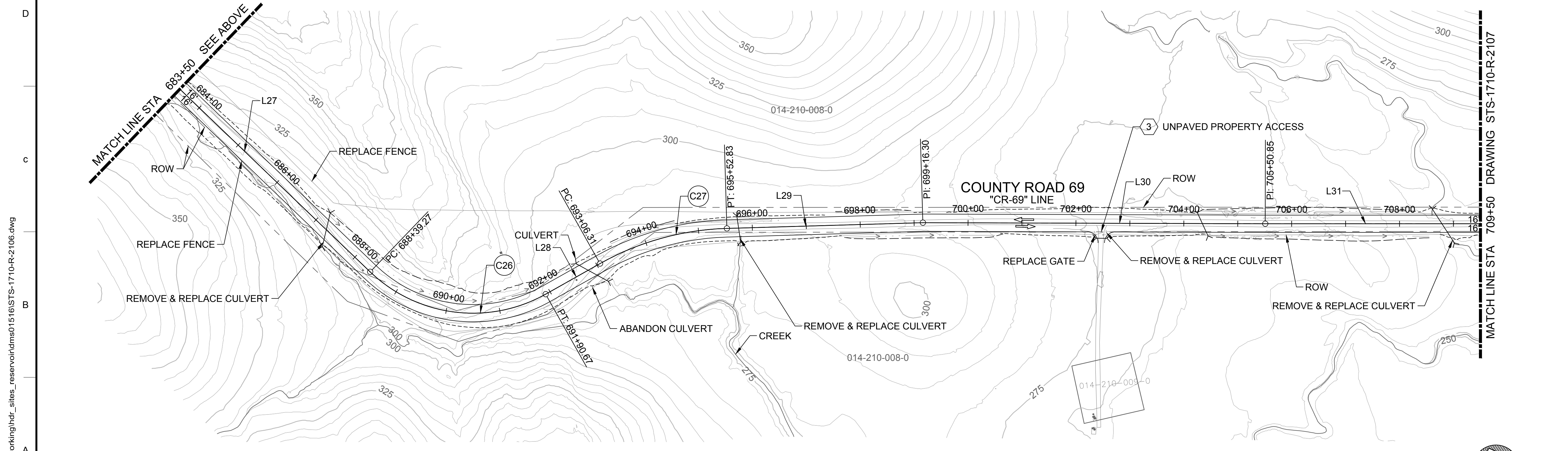
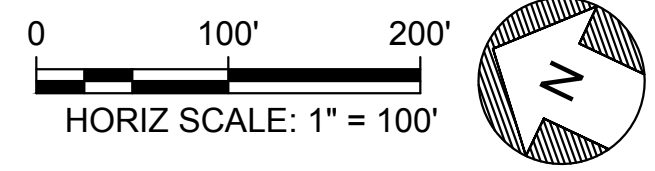
**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 NORTH ACCESS ROAD AND COUNTY ROAD 69  
 PLAN

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
 0 100 200 1"  
 DRAWING NO.  
 STS-1710-R-2105  
 SHT OF

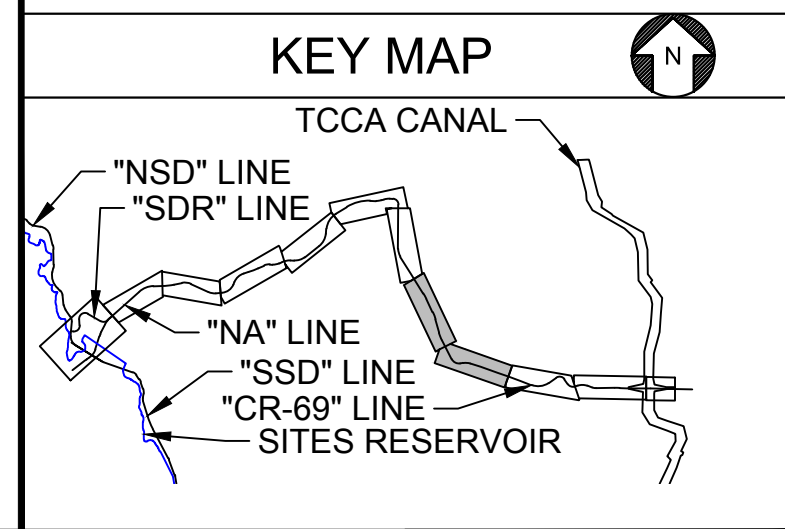
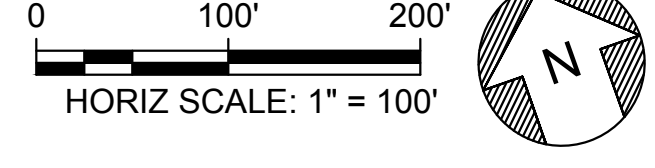
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN  
HORIZ SCALE: 1" = 100'



PLAN  
HORIZ SCALE: 1" = 100'



Plot Date: 3/21/2024 12:46 PM File: C:\pwworking\hdr\_sites\_reservoir\dms01516\STS-1710-R-2106.dwg Saved By: TRANK

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
K. TRAN  
DRAWN BY:  
L. NITKA  
CHECKED BY:  
A. GLEN  
IN CHARGE:  
H. MICHAEL  
DATE:  
03/15/24

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

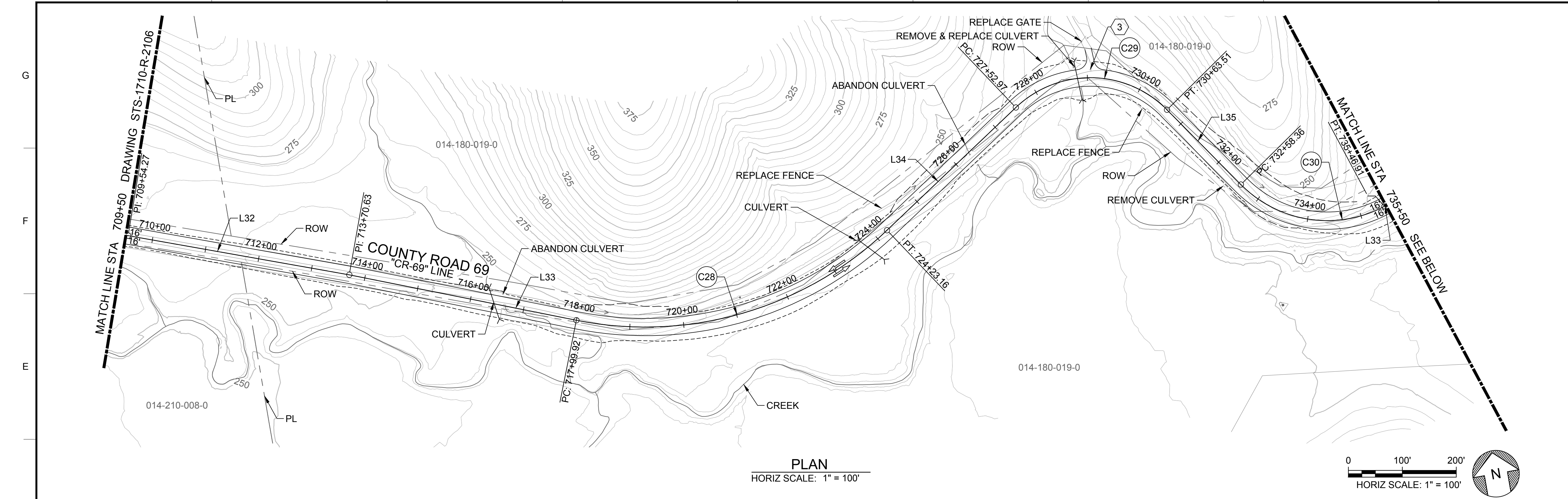
REGISTERED PROFESSIONAL ENGINEER  
V. DOCTORO  
C78231  
CALIFORNIA



**SITES RESERVOIR**  
SITES RESERVOIR  
ROADWAY  
COUNTY ROAD 69  
PLAN

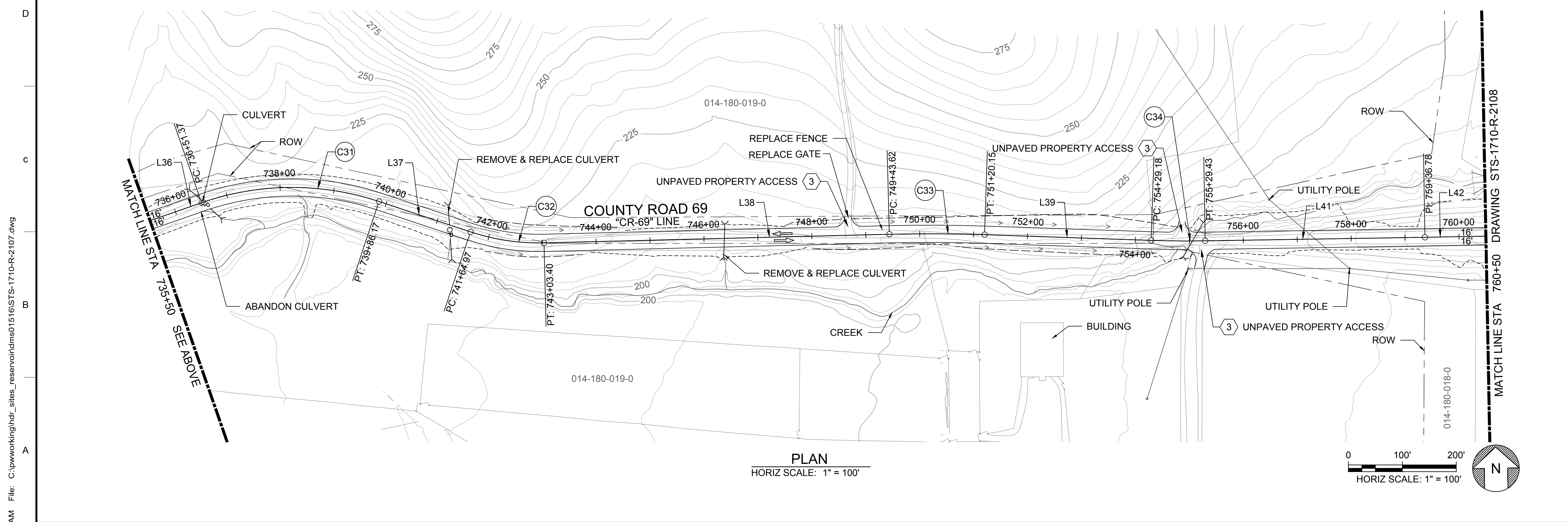
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BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
DRAWING NO.  
STS-1710-R-2106  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



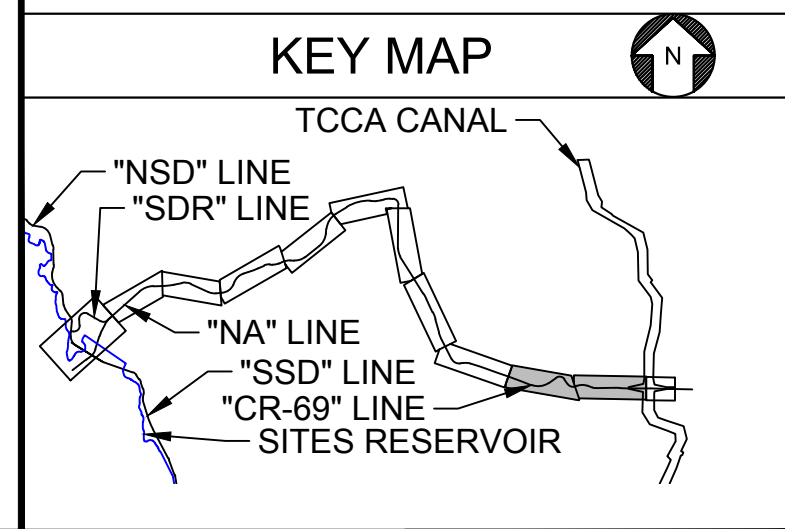
PLAN  
HORIZ SCALE: 1" = 100'

0 100' 200'  
HORIZ SCALE: 1" = 100'



PLAN  
HORIZ SCALE: 1" = 100'

0 100' 200'  
HORIZ SCALE: 1" = 100'



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
K. TRAN  
DRAWN BY:  
L. NITKA  
CHECKED BY:  
A. GLEN  
IN CHARGE:  
H. MICHAEL  
DATE:  
03/15/24

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

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PROFESSIONAL  
ENGINEER  
V. DOCTORO  
C78231  
CALIFORNIA

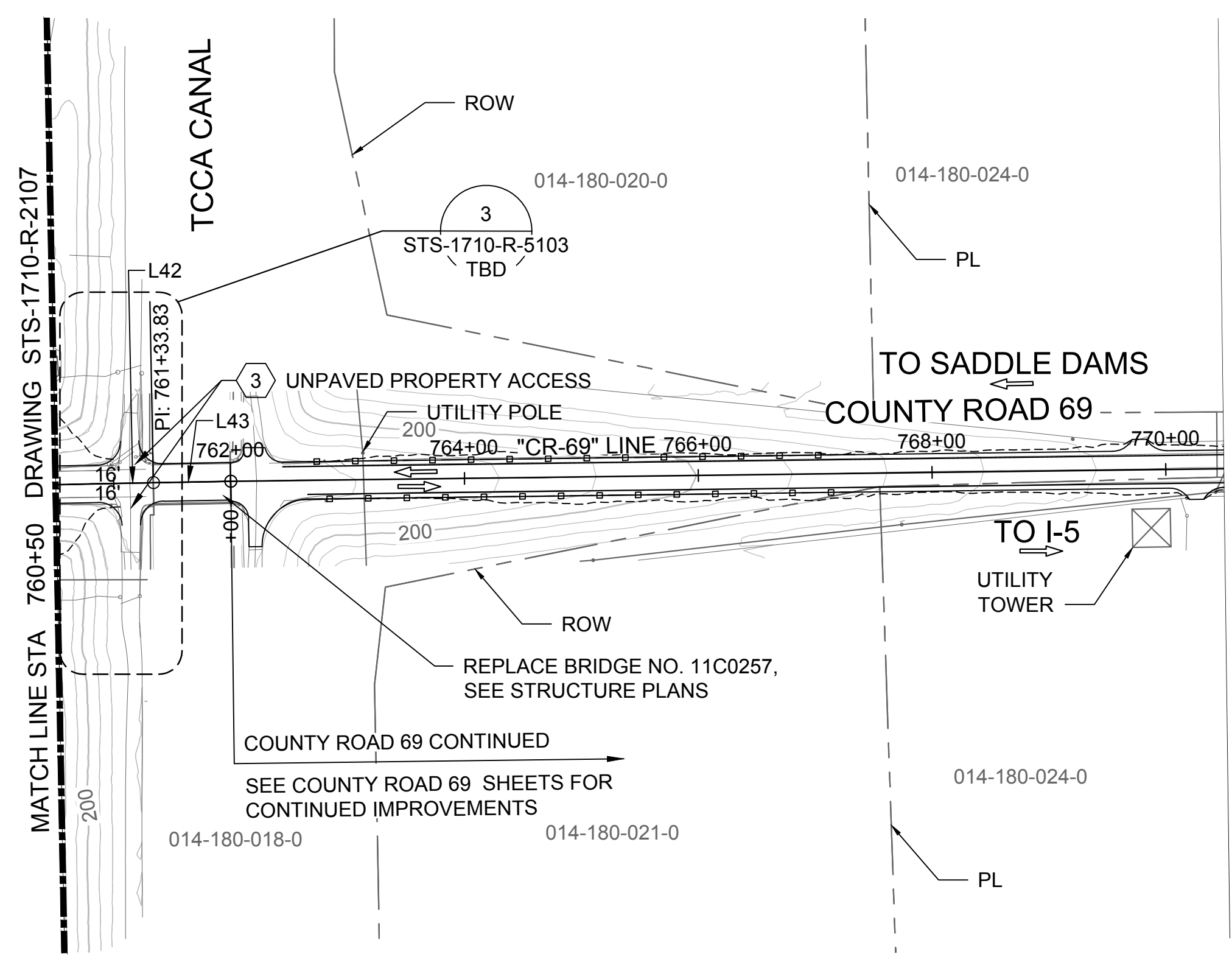


**SITES RESERVOIR**  
SITES RESERVOIR  
ROADWAY  
COUNTY ROAD 69  
PLAN

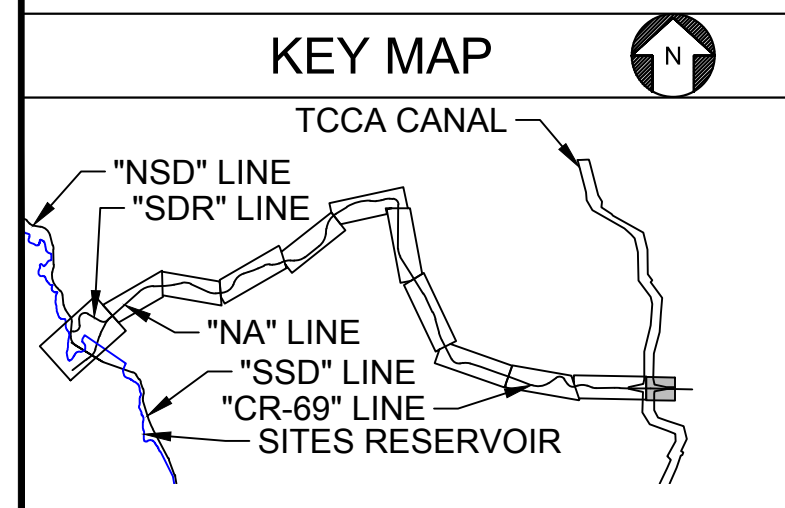
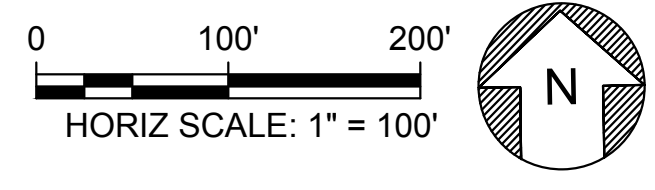
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BAR IS ONE INCH ON ORIGINAL  
DRAWING. ADJUST SCALES FOR  
REDUCED PLOTS  
DRAWING NO.  
STS-1710-R-2107  
SHT OF

Plot Date: 3/21/2024 11:14 AM File: C:\pwworking\hdr\_sites\_reservoir\dms01516\STS-1710-R-2107.dwg Saved By: KRKORIANE

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PLAN  
HORIZ SCALE: 1" = 100'



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REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
K. TRAN  
DRAWN BY:  
L. NITKA  
CHECKED BY:  
A. GLEN  
IN CHARGE:  
H. MICHAEL  
DATE:  
03/15/24



REGISTERED  
PROFESSIONAL  
ENGINEER  
V. DOCTOLERO  
C78231  
CALIFORNIA



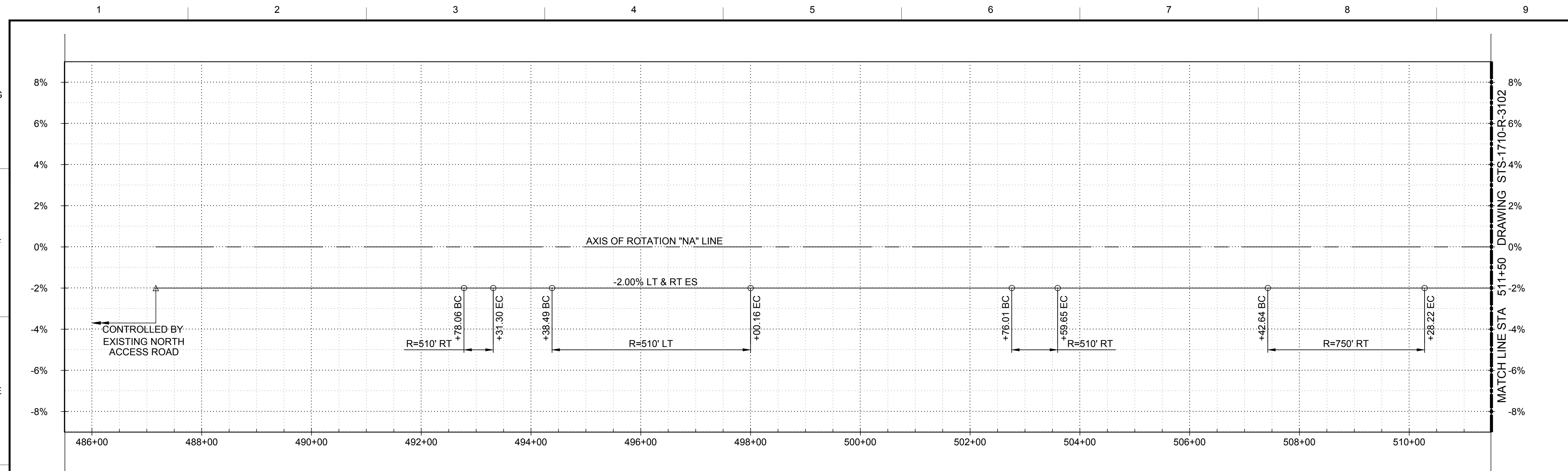
SITES RESERVOIR  
SITES RESERVOIR  
ROADWAY  
COUNTY ROAD 69  
PLAN

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL  
DRAWING. ADJUST SCALES FOR  
REDUCED PLOTS  
DRAWING NO.  
STS-1710-R-2108  
SHT OF

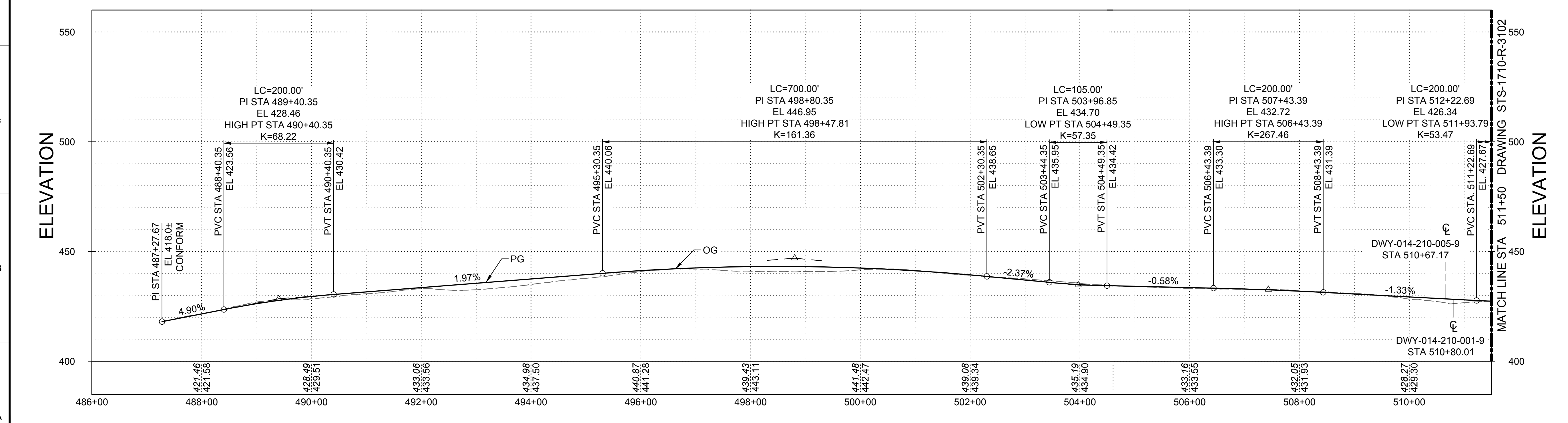
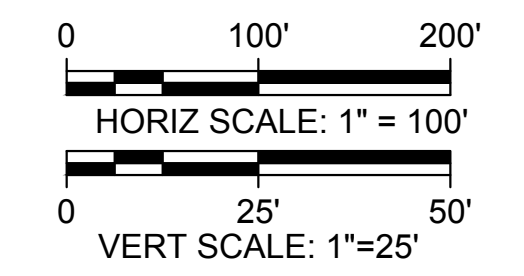
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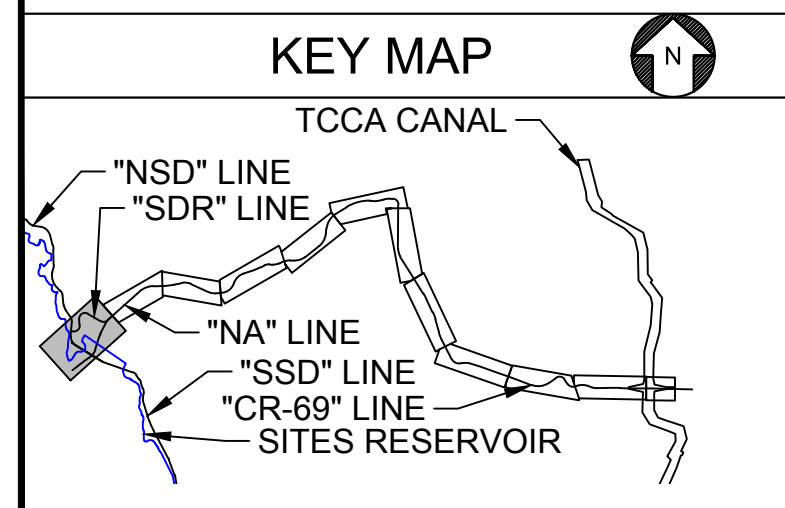


**SUPERELEVATION DIAGRAM**  
 HORIZ SCALE: 1" = 100'



**PROFILE**  
 HORIZ SCALE: 1" = 100'  
 VERT SCALE: 1" = 25'

- GENERAL NOTES**
1. PROFILES WILL BE ADJUSTED DURING 60% DESIGN TO OPTIMIZE THE CUT & FILL VOLUMES AND TO ACCOMMODATE ANIMAL CROSSINGS.
  2. FINAL LIMITS OF BRIDGE TO BE DETERMINED BASED ON GEOTECHNICAL FINDINGS AND RECOMMENDATIONS.
  3. SUPERELEVATION DESIGN KEY CONSIDERATIONS FOR ROADWAY RUNOFF, DRAINAGE CONVEYANCE INTO THE RESERVOIR, AND CONTRACTIBILITY WILL BE FURTHER DEVELOPED AT A LATER DESIGN PHASE.



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
K. TRAN

DRAWN BY:  
L. NITKA

CHECKED BY:  
A. GLEN

IN CHARGE:  
H. MICHAEL

DATE:  
03/15/24

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

REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA



**SITES RESERVOIR**

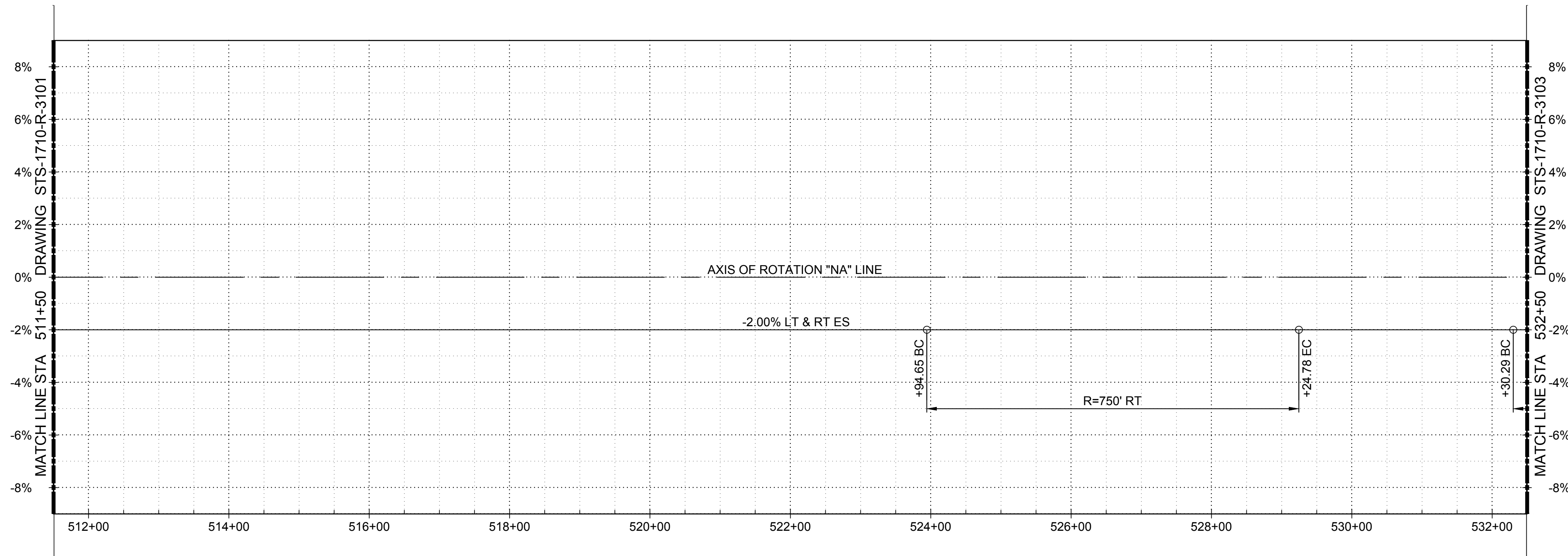
SITES RESERVOIR  
 ROADWAY  
 NORTH ACCESS ROAD  
 SUPERELEVATION AND PROFILE

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

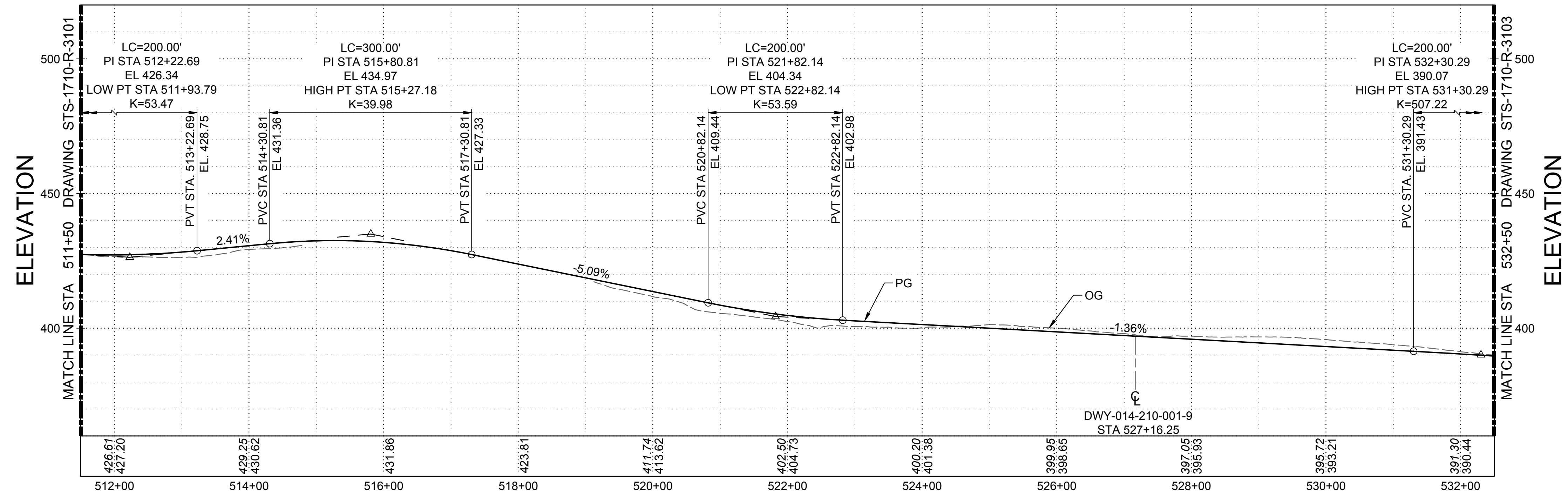
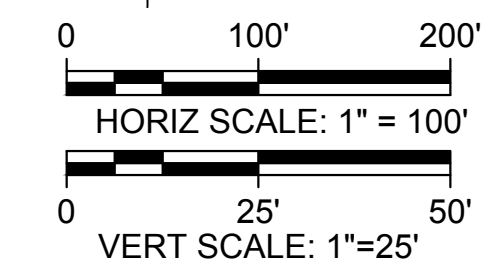
DRAWING NO.  
 STS-1710-R-3101  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

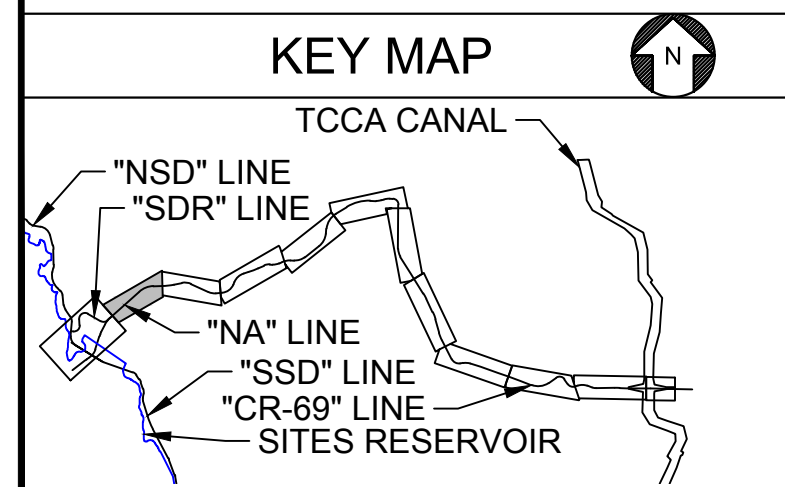
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 Saved By: SMITHE13  
 File: c:\pwworking\hdr\_sites\_reservoir\dmso1516\STS-1710-R-3102.dwg



**SUPERELEVATION DIAGRAM**  
 HORIZ SCALE: 1" = 100'



**PROFILE**  
 HORIZ SCALE: 1" = 100'  
 VERT SCALE: 1" = 25'



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
K. TRAN  
 DRAWN BY:  
L. NITKA  
 CHECKED BY:  
A. GLEN  
 IN CHARGE:  
H. MICHAEL  
 DATE:  
03/15/24



REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA

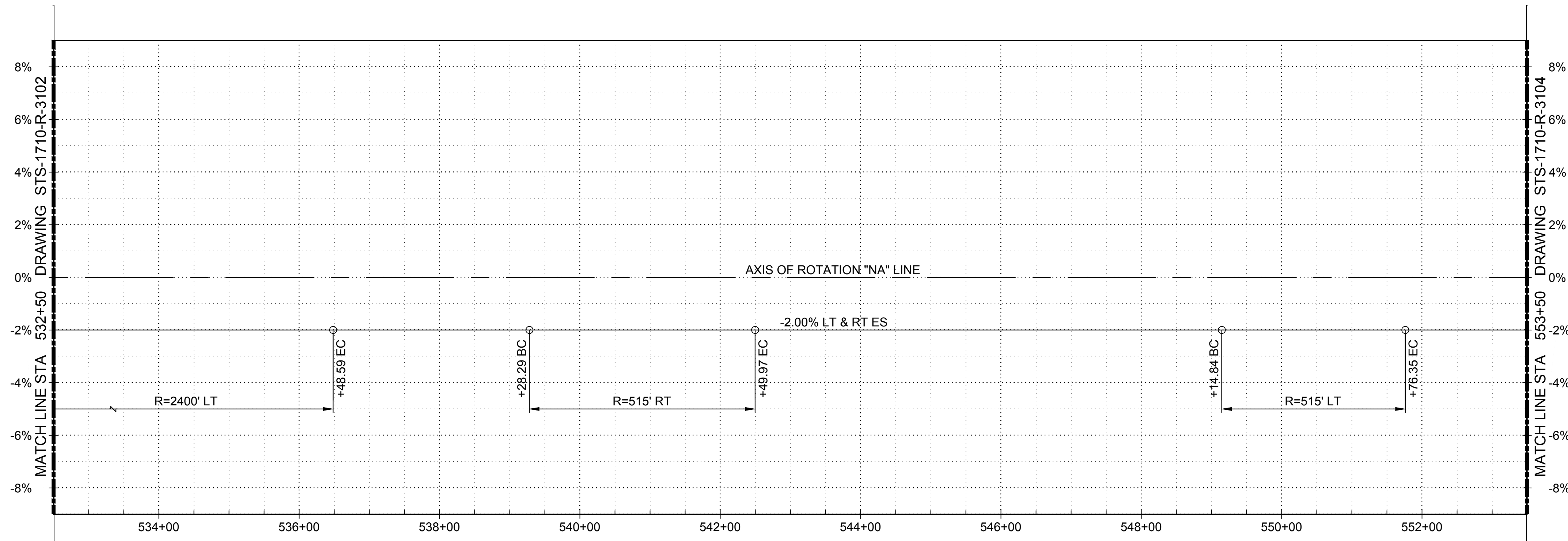


**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 NORTH ACCESS ROAD  
 SUPERELEVATION AND PROFILE

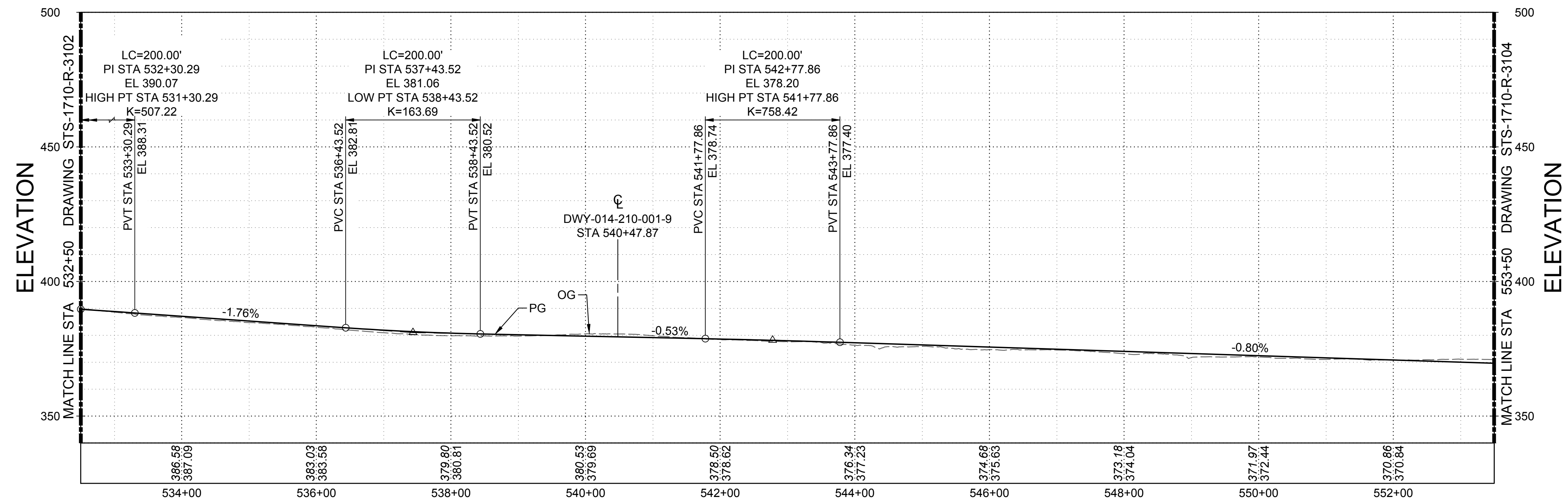
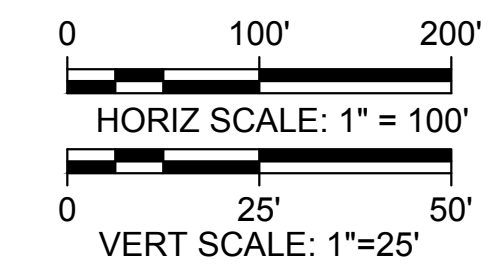
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 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
 0 1"  
 DRAWING NO.  
 STS-1710-R-3102  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

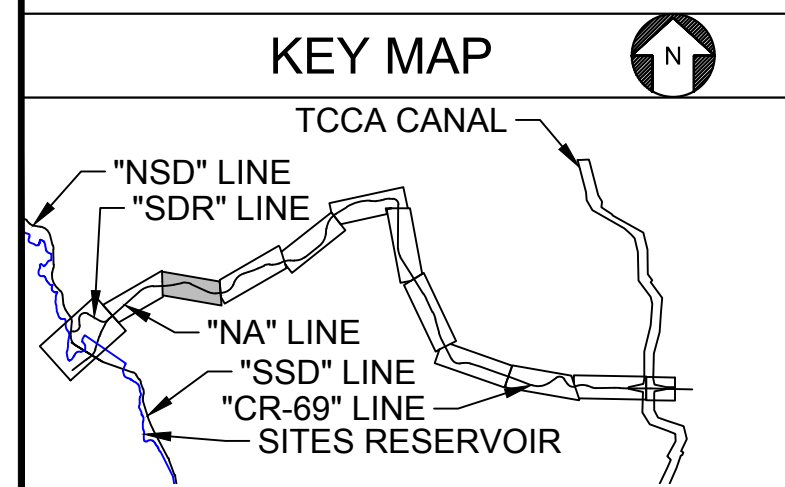
Plot Date: 3/21/2024 4:12 PM  
 Saved By: SMITHE13  
 File: c:\pwworking\hdr\_sites\_reservoir\tdms01516\STS-1710-R-3103.dwg



**SUPERELEVATION DIAGRAM**  
 HORIZ SCALE: 1" = 100'



**PROFILE**  
 HORIZ SCALE: 1" = 100'  
 VERT SCALE: 1" = 25'



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
K. TRAN  
 DRAWN BY:  
L. NITKA  
 CHECKED BY:  
A. GLEN  
 IN CHARGE:  
H. MICHAEL  
 DATE:  
03/15/24



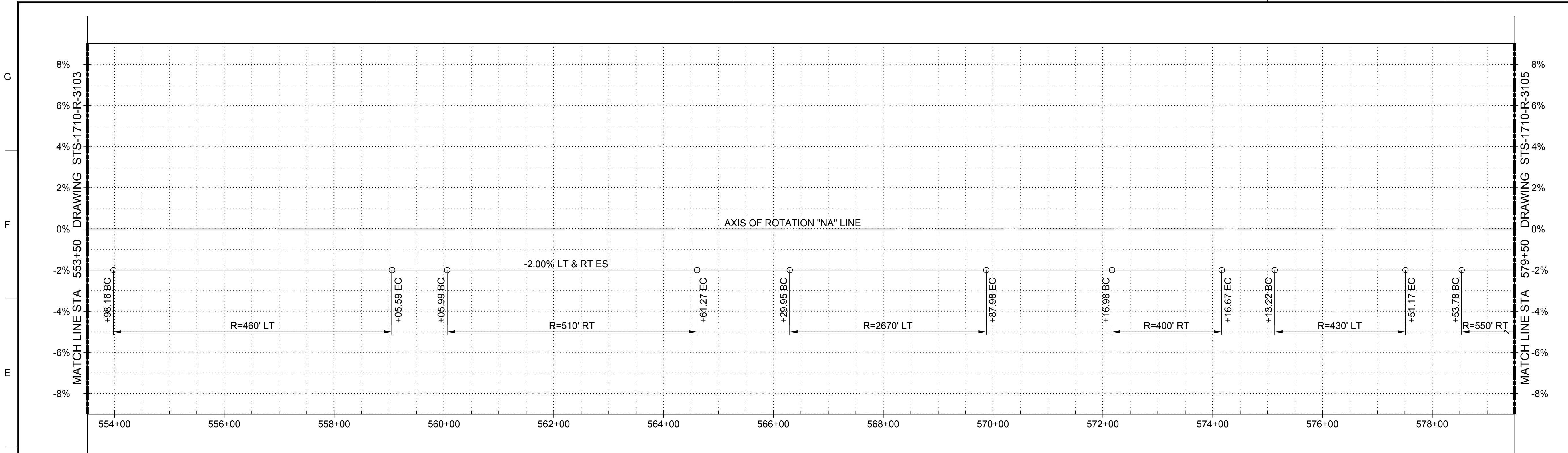
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA



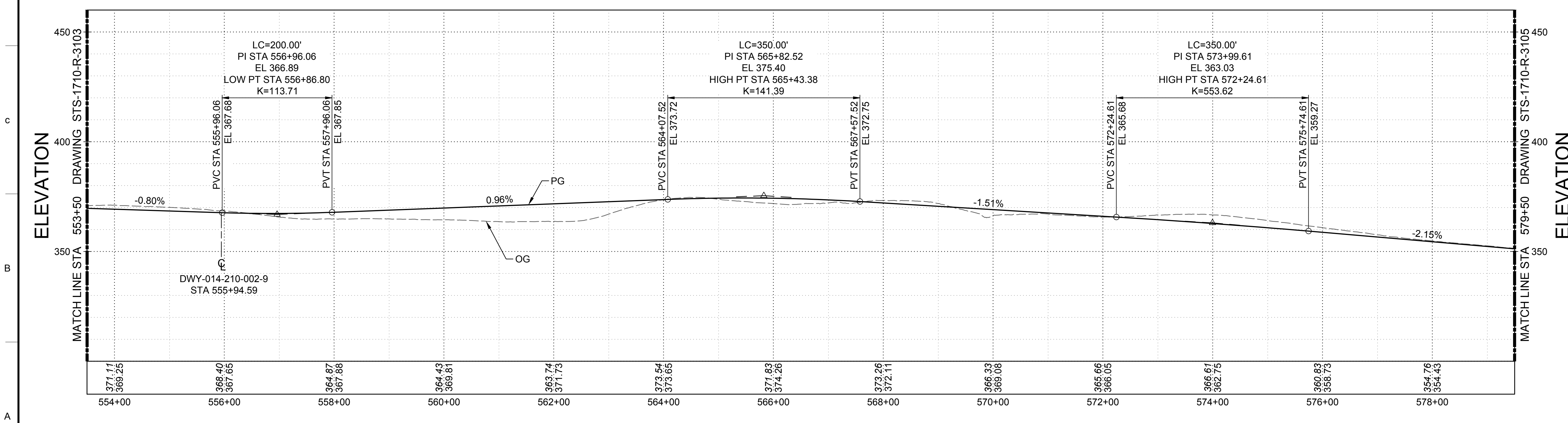
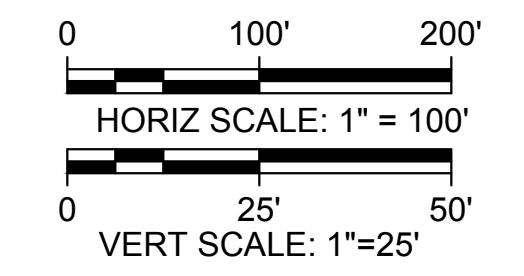
**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 NORTH ACCESS ROAD  
 SUPERELEVATION AND PROFILE

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
 0 1"  
 DRAWING NO.  
 STS-1710-R-3103  
 SHT OF

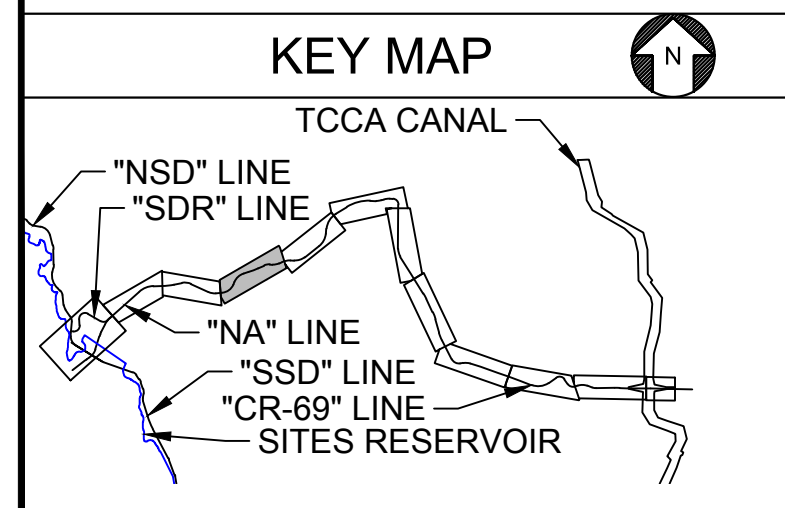
30% SUBMITTAL - NOT FOR CONSTRUCTION



**SUPERELEVATION DIAGRAM**  
HORIZ SCALE: 1" = 100'



**PROFILE**  
HORIZ SCALE: 1" = 100'  
VERT SCALE: 1" = 25'



Plot Date: 3/21/2024 4:12 PM  
 Saved By: SMITHE13  
 File: c:\pwworking\hdr\_sites\_reservoir\dms01516\STS-1710-R-3104.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: K. TRAN  
 DRAWN BY: L. NITKA  
 CHECKED BY: A. GLEN  
 IN CHARGE: H. MICHAEL  
 DATE: 03/15/24

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

REGISTERED PROFESSIONAL ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA

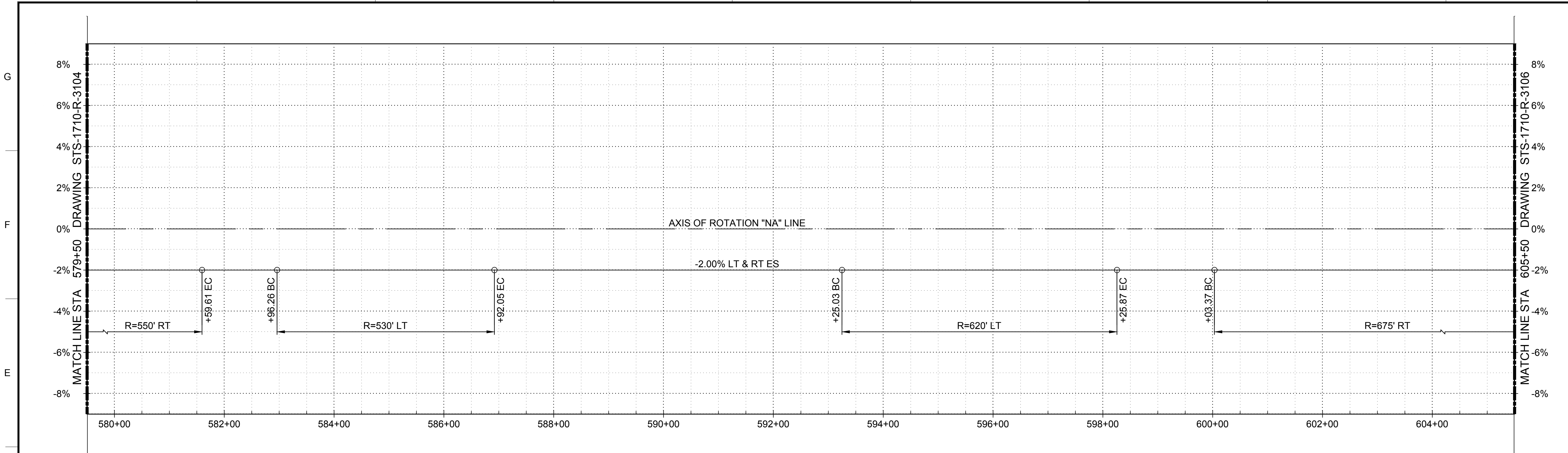


**SITES RESERVOIR**  
 SITES RESERVOIR ROADWAY  
 NORTH ACCESS ROAD  
 SUPERELEVATION AND PROFILE

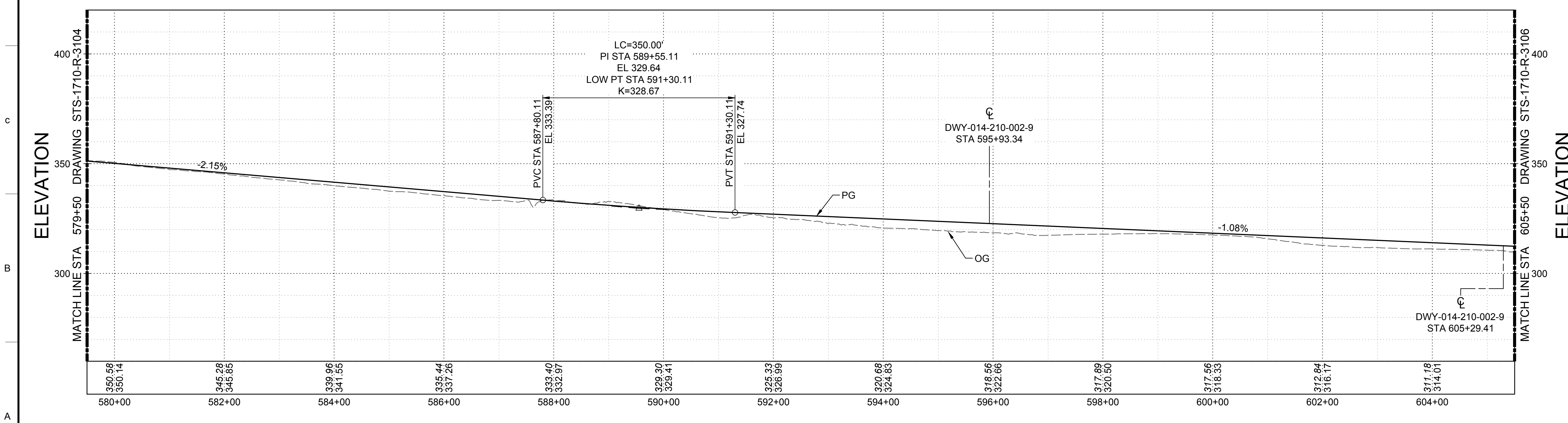
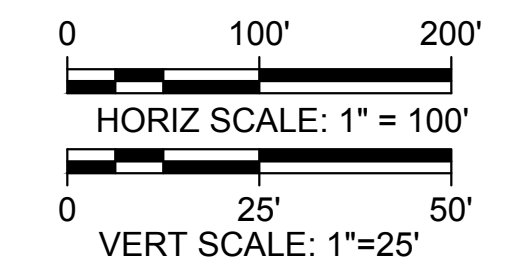
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 0 1"

DRAWING NO.  
 STS-1710-R-3104  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

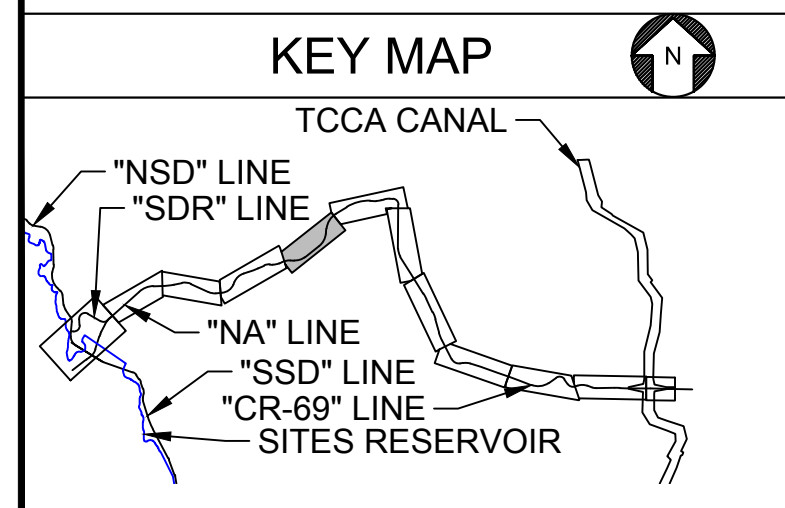


**SUPERELEVATION DIAGRAM**  
HORIZ SCALE: 1" = 100'



**PROFILE**  
HORIZ SCALE: 1" = 100'  
VERT SCALE: 1" = 25'

ELEVATION



Plot Date: 3/21/2024 4:13 PM  
 Saved By: SMITHE13  
 File: c:\pwworking\hdr\_sites\_reservoir\dmso1516\STS-1710-R-3105.dwg

DESIGNED BY:	K. TRAN
DRAWN BY:	L. NITKA
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24



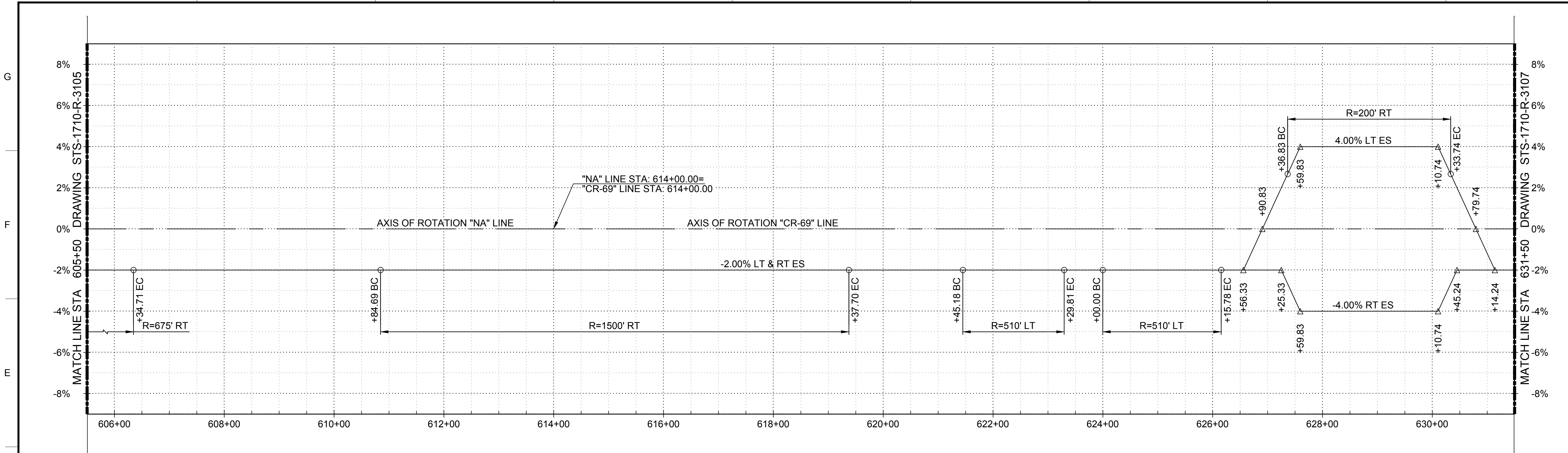
REGISTERED  
PROFESSIONAL  
ENGINEER  
V. DOCTORO  
C78231  
CALIFORNIA



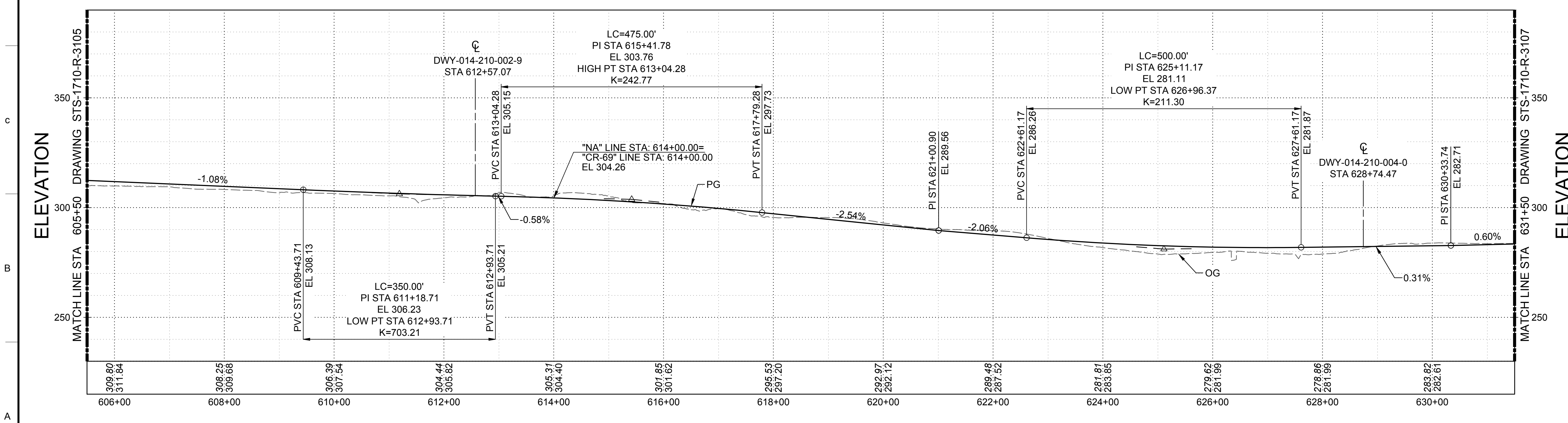
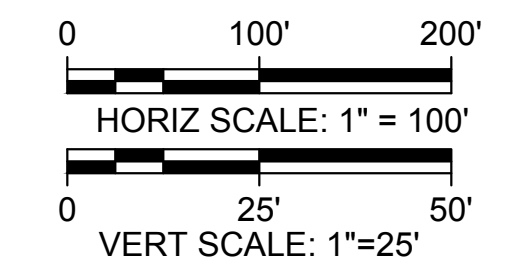
**SITES RESERVOIR**  
SITES RESERVOIR  
ROADWAY  
NORTH ACCESS ROAD  
SUPERELEVATION AND PROFILE

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO.	STS-1710-R-3105
SHT	OF

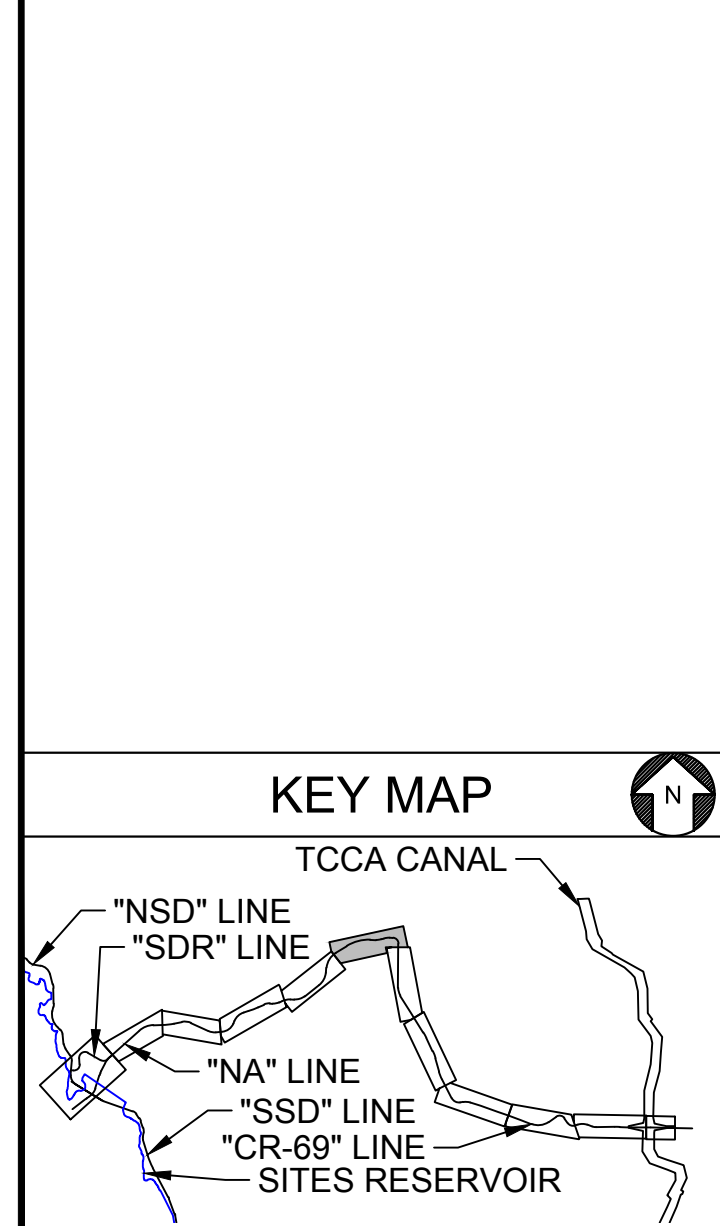
30% SUBMITTAL - NOT FOR CONSTRUCTION



**SUPERELEVATION DIAGRAM**  
HORIZ SCALE: 1" = 100'



**PROFILE**  
HORIZ SCALE: 1" = 100'  
VERT SCALE: 1" = 25'



Plot Date: 3/21/2024 6:01 PM  
 Saved By: TRANK  
 File: C:\pwworking\hdr\_sites\_reservoir\dms01516\STS-1710-R-3106.dwg

DESIGNED BY:	K. TRAN
DRAWN BY:	L. NITKA
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24



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 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA

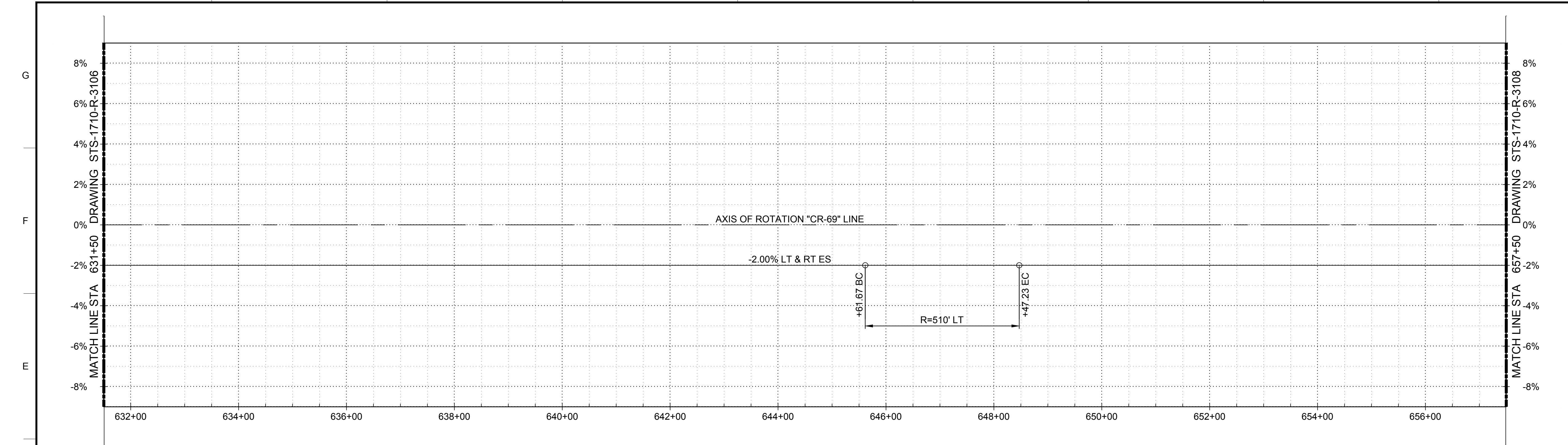


**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 NORTH ACCESS ROAD/COUNTY ROAD 69  
 SUPERELEVATION AND PROFILE

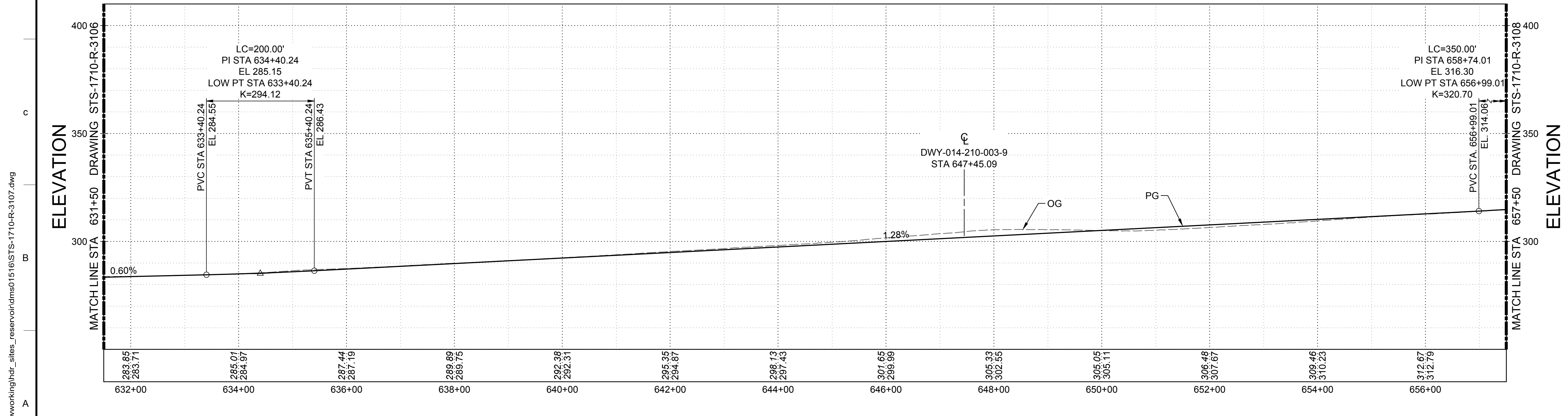
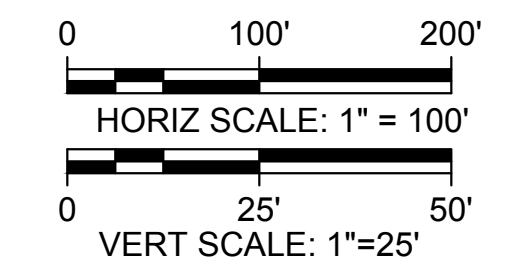
VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWINGS. ADJUST SCALES FOR  
 REDUCED PLOTS  
 0 1"

DRAWING NO.  
 STS-1710-R-3106  
 SHT OF

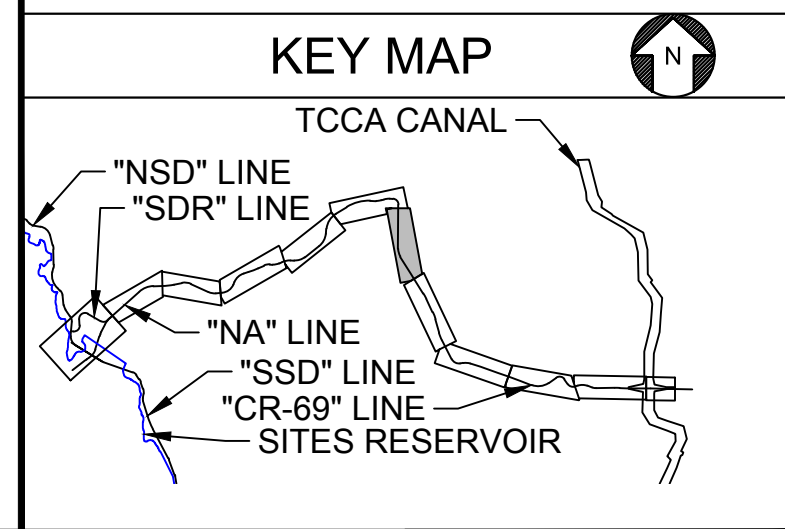
30% SUBMITTAL - NOT FOR CONSTRUCTION



**SUPERELEVATION DIAGRAM**  
HORIZ SCALE: 1" = 100'



**PROFILE**  
HORIZ SCALE: 1" = 100'  
VERT SCALE: 1" = 25'



Plot Date: 3/21/2024 4:14 PM  
 Saved By: JUSTIN CHANZ  
 File: c:\pwworking\hdr\_sites\_reservoir\dmso1516\STS-1710-R-3107.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	K. TRAN
DRAWN BY:	L. NITKA
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

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

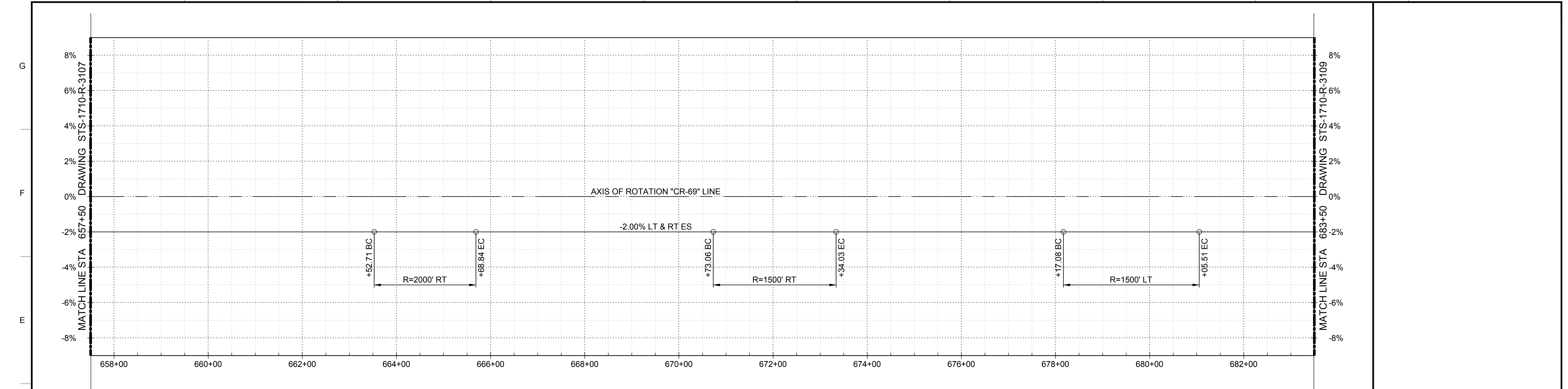
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA



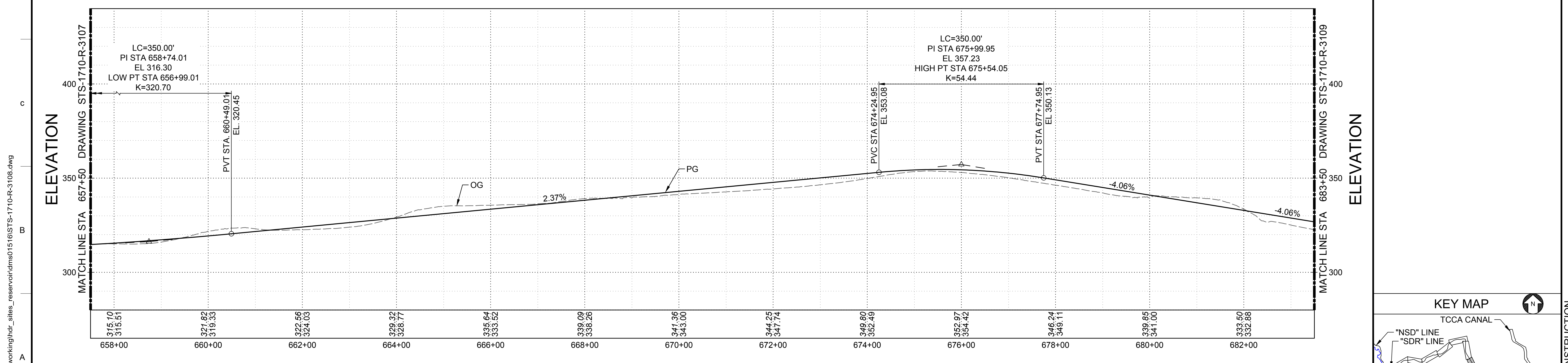
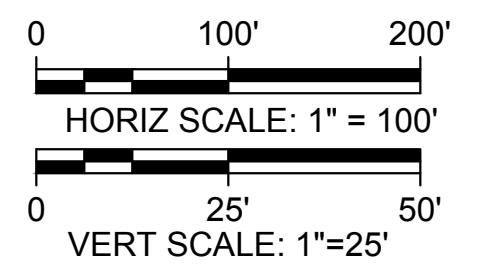
**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 COUNTY ROAD 69  
 SUPERELEVATION AND PROFILE

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO. STS-1710-R-3107
SHT OF

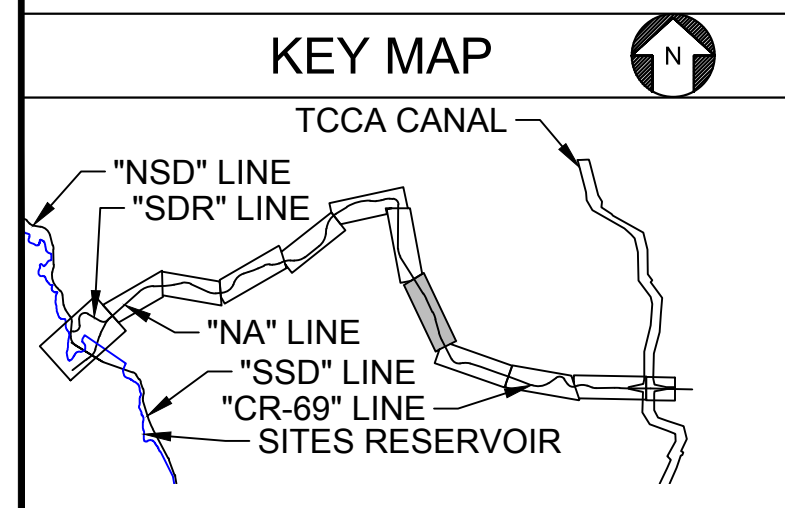
30% SUBMITTAL - NOT FOR CONSTRUCTION



**SUPERELEVATION DIAGRAM**  
HORIZ SCALE: 1" = 100'



**PROFILE**  
HORIZ SCALE: 1" = 100'  
VERT SCALE: 1" = 25'



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Plot Date: 3/21/2024 4:15 PM  
Saved By: JUSTIN.CHANZ

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
K. TRAN  
DRAWN BY:  
L. NITKA  
CHECKED BY:  
A. GLEN  
IN CHARGE:  
H. MICHAEL  
DATE:  
03/15/24



REGISTERED  
PROFESSIONAL  
ENGINEER  
V. DOCTORO  
C78231  
CALIFORNIA

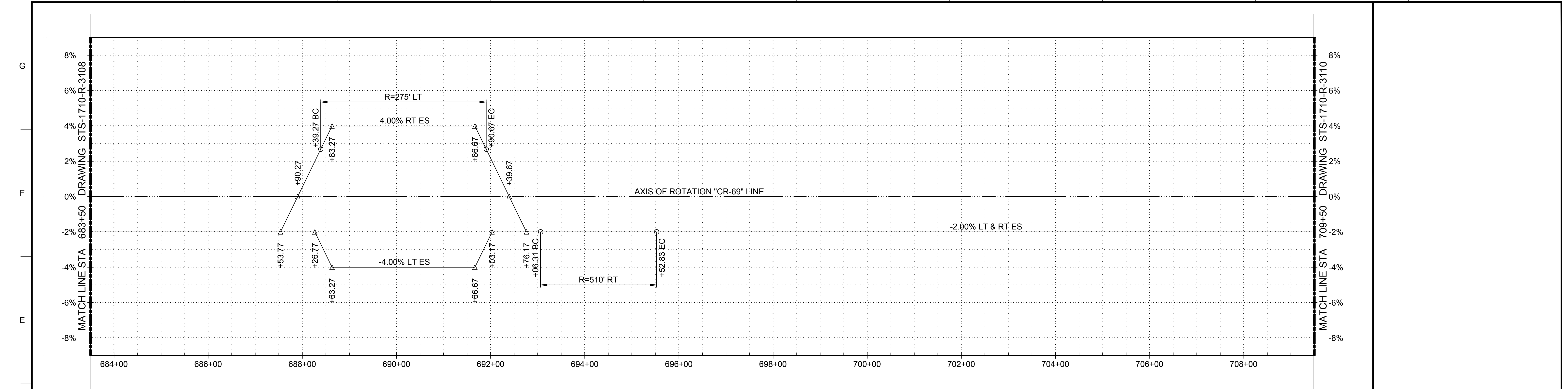


**SITES RESERVOIR**  
SITES RESERVOIR  
ROADWAY  
COUNTY ROAD 69  
SUPERELEVATION AND PROFILE

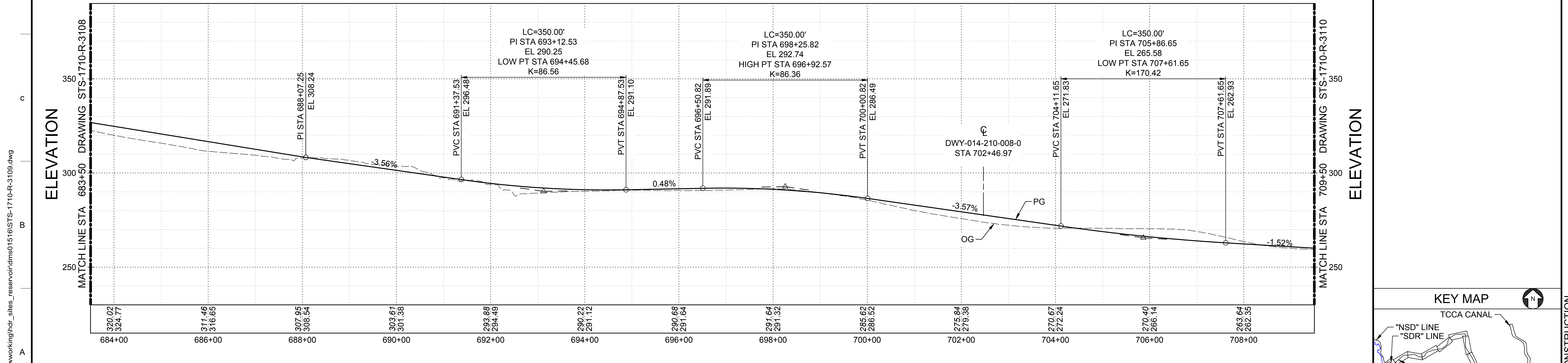
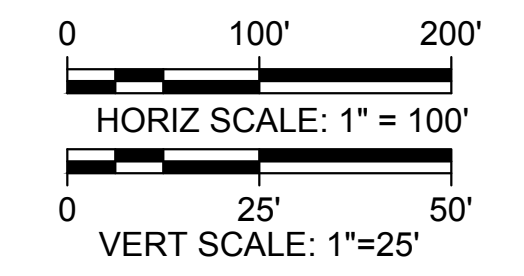
VERIFY SCALES  
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DRAWINGS. ADJUST SCALES FOR  
REDUCED PLOTS  
DRAWING NO.  
STS-1710-R-3108  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



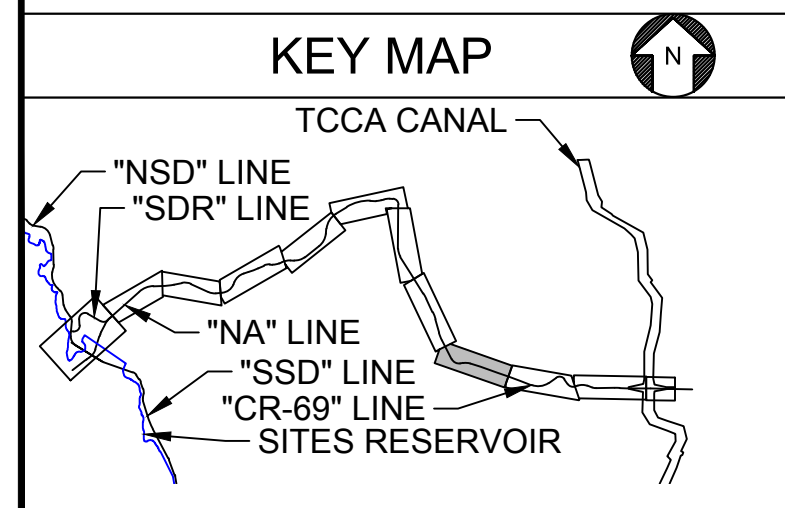


**SUPERELEVATION DIAGRAM**  
HORIZ SCALE: 1" = 100'



**PROFILE**  
HORIZ SCALE: 1" = 100'  
VERT SCALE: 1" = 25'

ELEVATION



Plot Date: 3/21/2024 4:16 PM  
Saved By: JUSTIN CHANZ  
File: c:\pwworking\hdr\_sites\_reservoir\dmso1516\STS-1710-R-3109.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
K. TRAN  
DRAWN BY:  
L. NITKA  
CHECKED BY:  
A. GLEN  
IN CHARGE:  
H. MICHAEL  
DATE:  
03/15/24



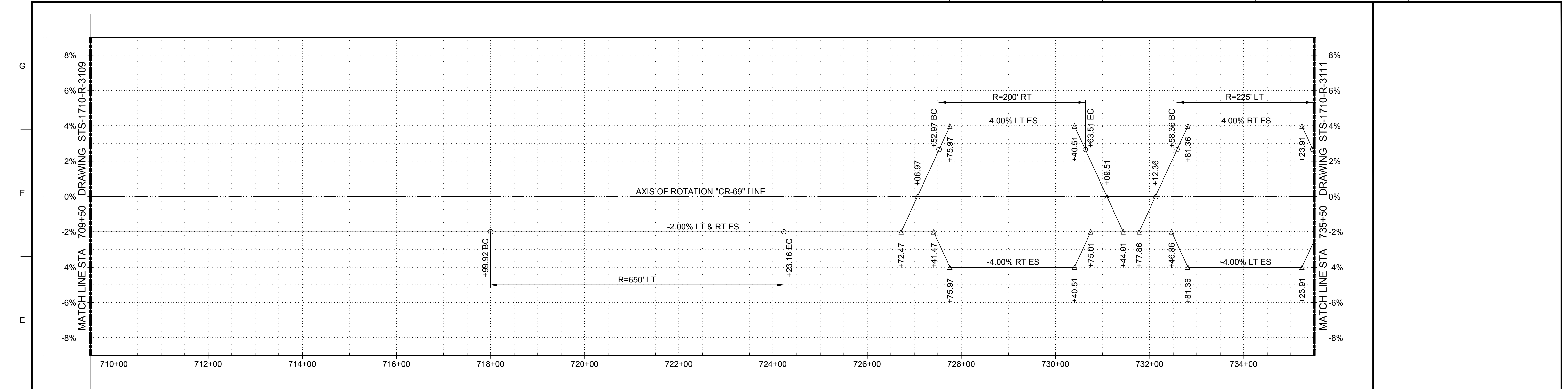
REGISTERED PROFESSIONAL ENGINEER  
V. DOCTORO  
C78231  
CALIFORNIA



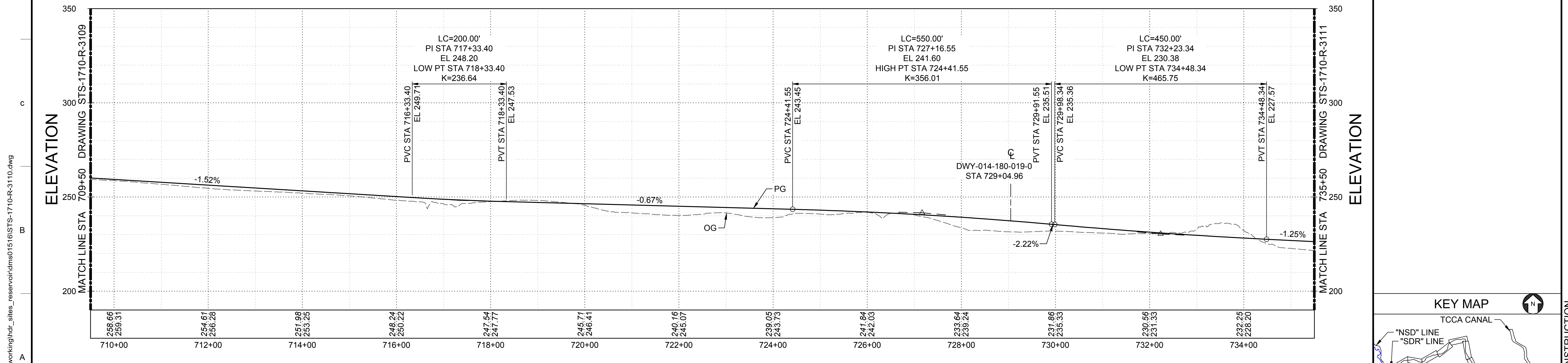
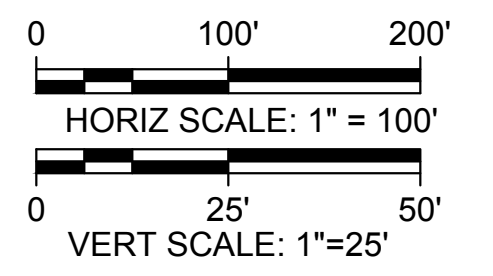
**SITES RESERVOIR**  
SITES RESERVOIR ROADWAY  
COUNTY ROAD 69  
SUPERELEVATION AND PROFILE

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS.  
DRAWING NO.  
STS-1710-R-3109  
SHT OF

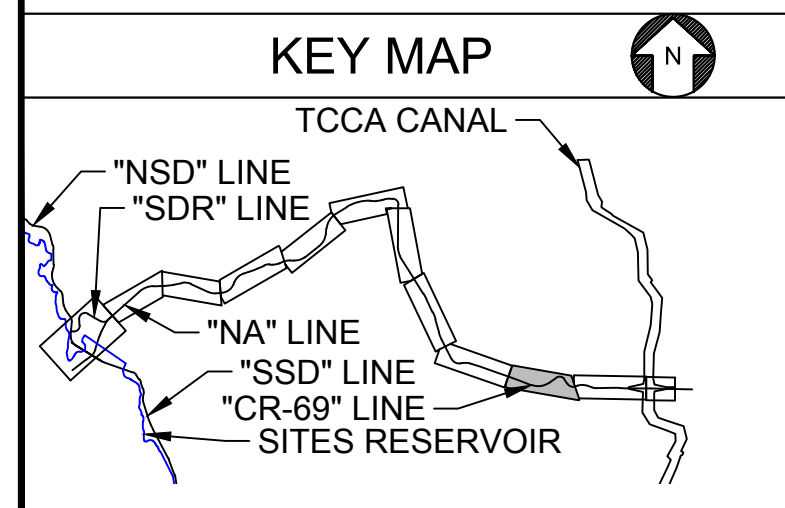
30% SUBMITTAL - NOT FOR CONSTRUCTION



**SUPERELEVATION DIAGRAM**  
HORIZ SCALE: 1" = 100'



**PROFILE**  
HORIZ SCALE: 1" = 100'  
VERT SCALE: 1" = 25'



Plot Date: 3/21/2024 4:17 PM  
Saved By: JUSTIN.CHANZ  
File: c:\pwworking\hdr\_sites\_reservoir\dmso1516\STS-1710-R-3110.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
K. TRAN  
DRAWN BY:  
L. NITKA  
CHECKED BY:  
A. GLEN  
IN CHARGE:  
H. MICHAEL  
DATE:  
03/15/24

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

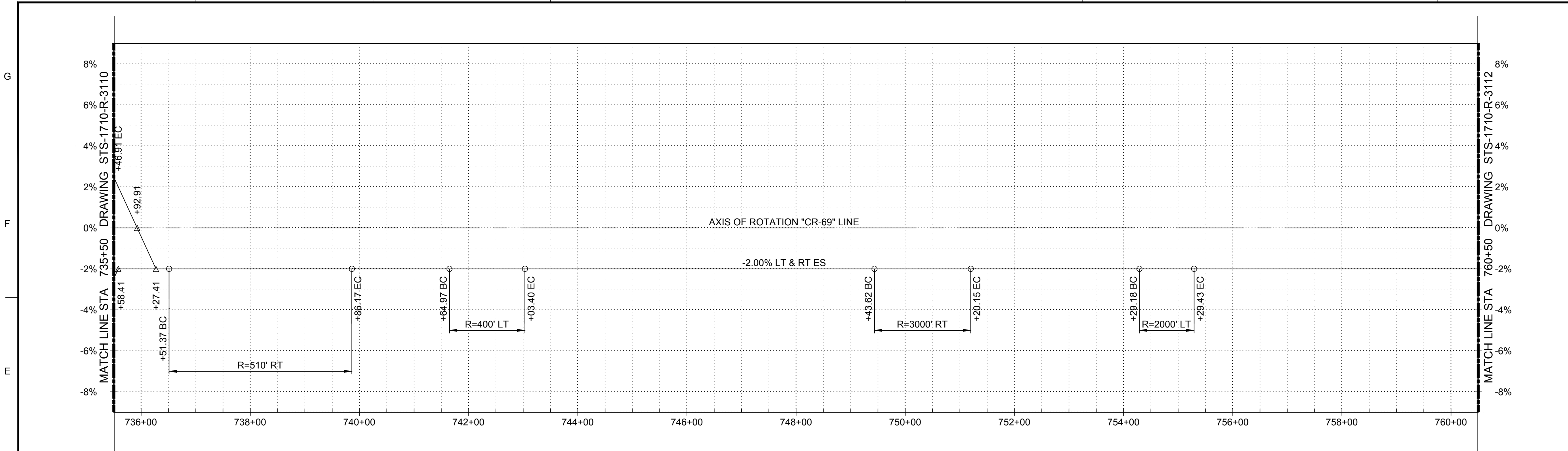
REGISTERED  
PROFESSIONAL  
ENGINEER  
V. DOCTORO  
C78231  
CALIFORNIA



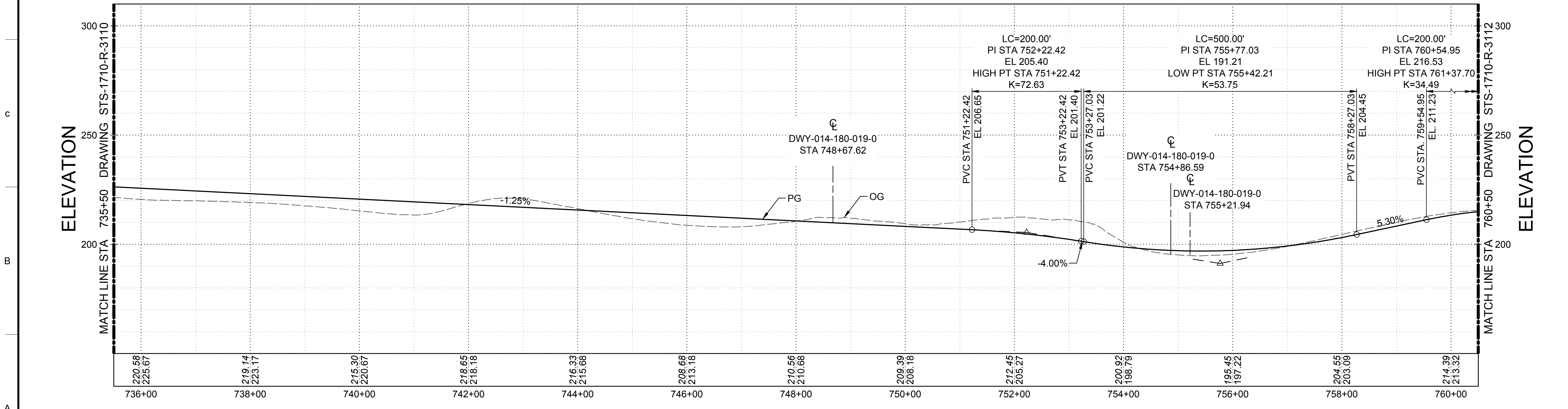
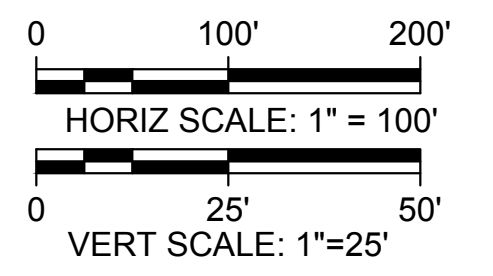
**SITES RESERVOIR**  
SITES RESERVOIR  
ROADWAY  
COUNTY ROAD 69  
SUPERELEVATION AND PROFILE

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL  
DRAWINGS. ADJUST SCALES FOR  
REDUCED PLOTS  
DRAWING NO.  
STS-1710-R-3110  
SHT OF

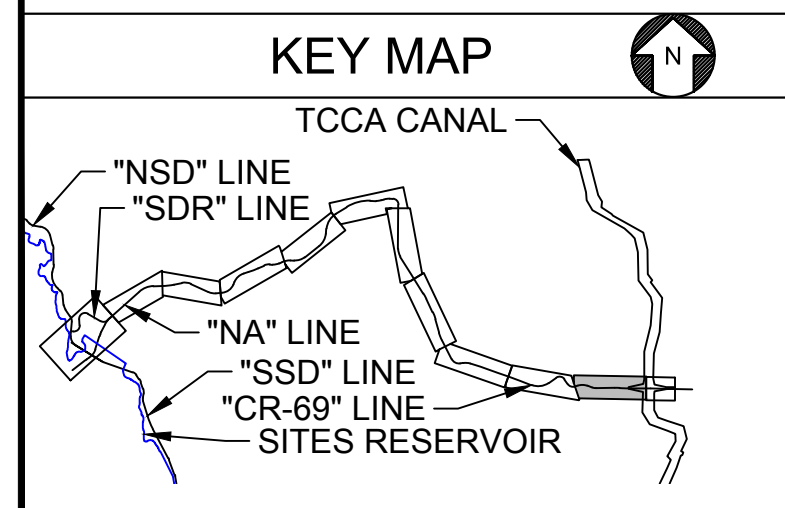
30% SUBMITTAL - NOT FOR CONSTRUCTION



**SUPERELEVATION DIAGRAM**  
HORIZ SCALE: 1" = 100'



**PROFILE**  
HORIZ SCALE: 1" = 100'  
VERT SCALE: 1" = 25'



Plot Date: 3/21/2024 4:17 PM  
Saved By: JUSTIN CHANZ  
File: c:\pwworking\hdr\_sites\_reservoir\dms01516\STS-1710-R-3111.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
K. TRAN  
DRAWN BY:  
L. NITKA  
CHECKED BY:  
A. GLEN  
IN CHARGE:  
H. MICHAEL  
DATE:  
03/15/24



REGISTERED  
PROFESSIONAL  
ENGINEER  
V. DOCTORO  
C78231  
CALIFORNIA



**SITES RESERVOIR**  
SITES RESERVOIR  
ROADWAY  
COUNTY ROAD 69  
SUPERELEVATION AND PROFILE

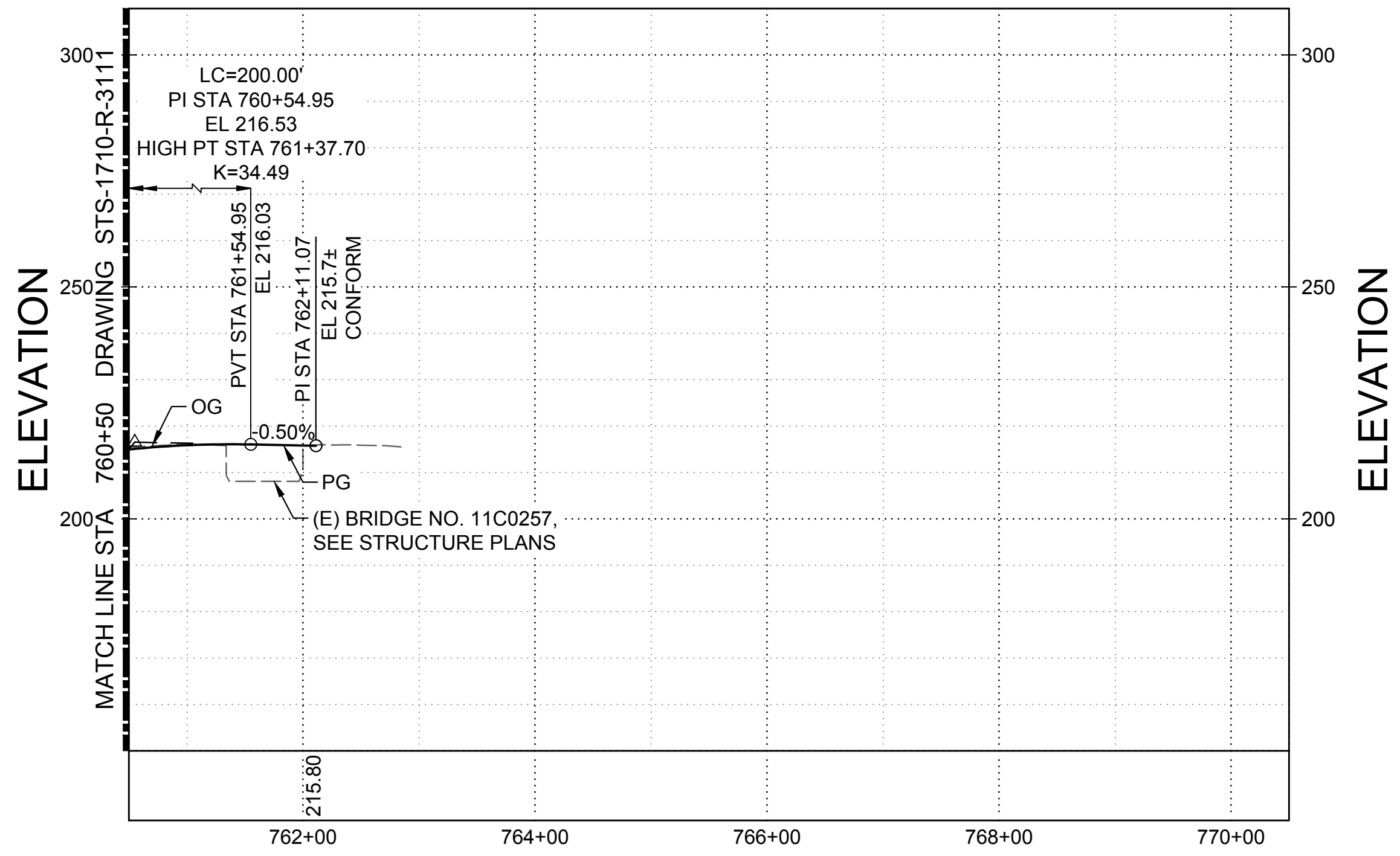
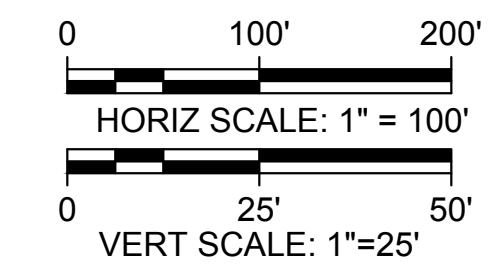
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BAR IS ONE INCH ON ORIGINAL  
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REDUCED PLOTS  
DRAWING NO.  
STS-1710-R-3111  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

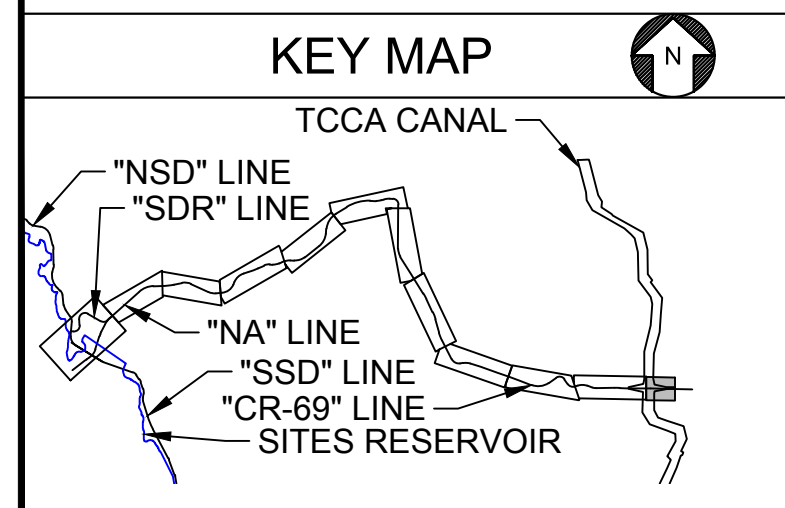
G  
F  
E  
D  
C  
B  
A



**SUPERELEVATION DIAGRAM**  
HORIZ SCALE: 1" = 100'



**PROFILE**  
HORIZ SCALE: 1" = 100'  
VERT SCALE: 1" = 25'



Plot Date: 3/25/2024 2:06 PM  
Saved By: JUSTIN CHANZ  
File: C:\pwworking\hdr\_sites\_reservoir\dms01516\STS-1710-R-3112.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	K. TRAN
DRAWN BY:	L. NITKA
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24



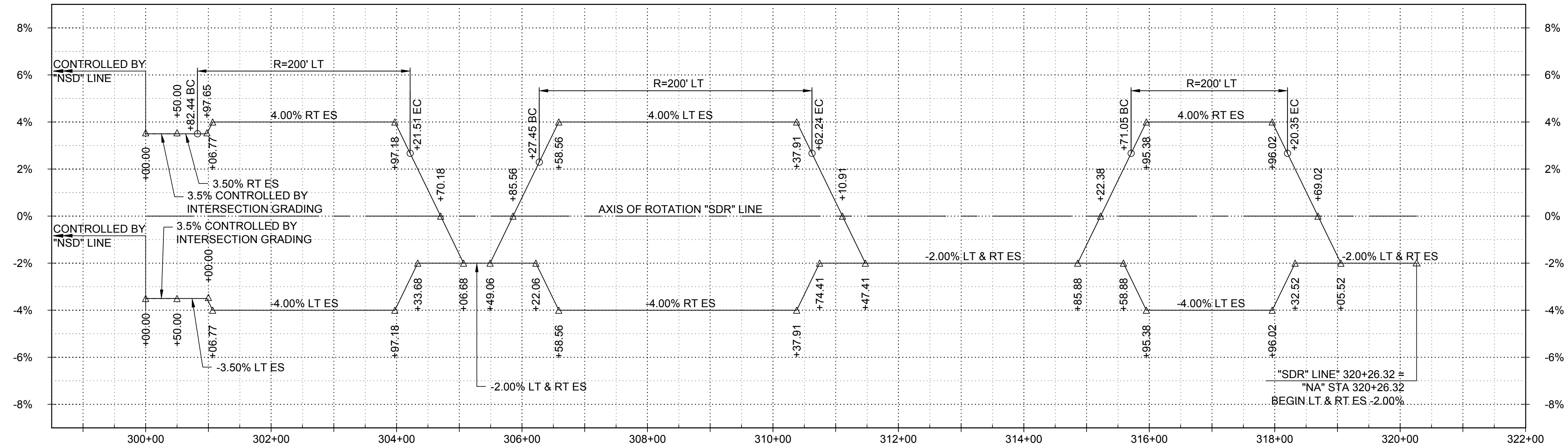
REGISTERED  
PROFESSIONAL  
ENGINEER  
V. DOCTORO  
C78231  
CALIFORNIA



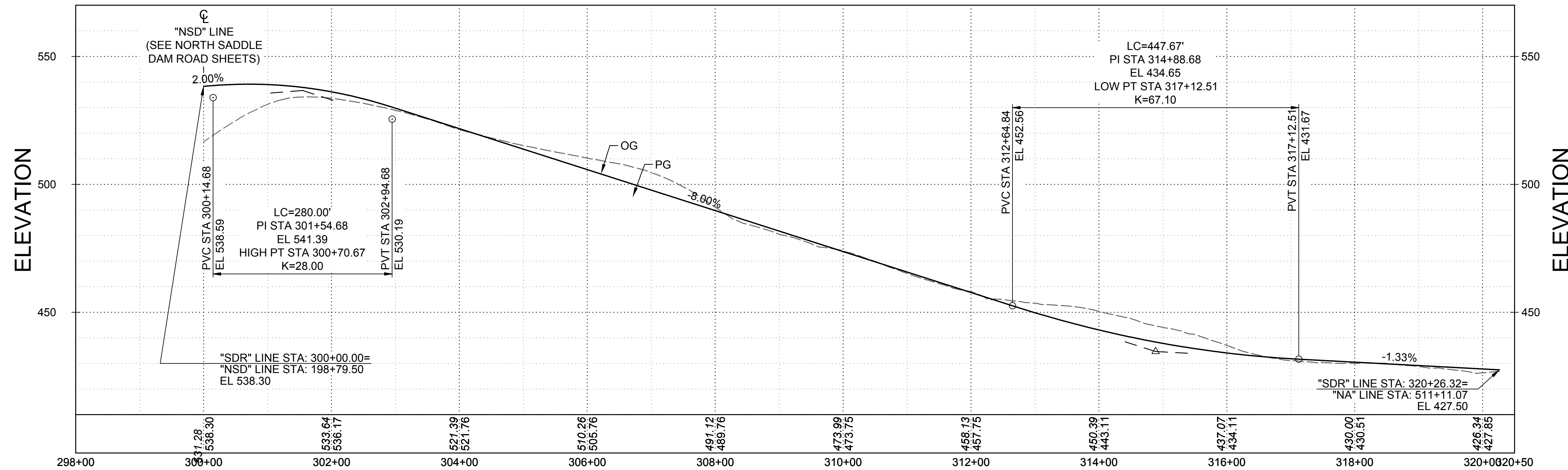
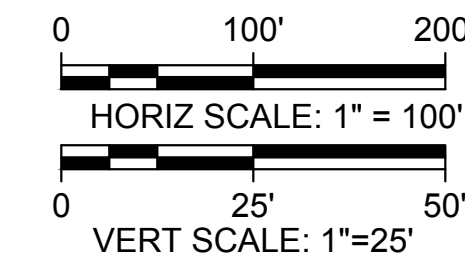
**SITES RESERVOIR**  
SITES RESERVOIR  
ROADWAY  
COUNTY ROAD 69  
SUPERELEVATION AND PROFILE

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO. STS-1710-R-3112 SHT OF

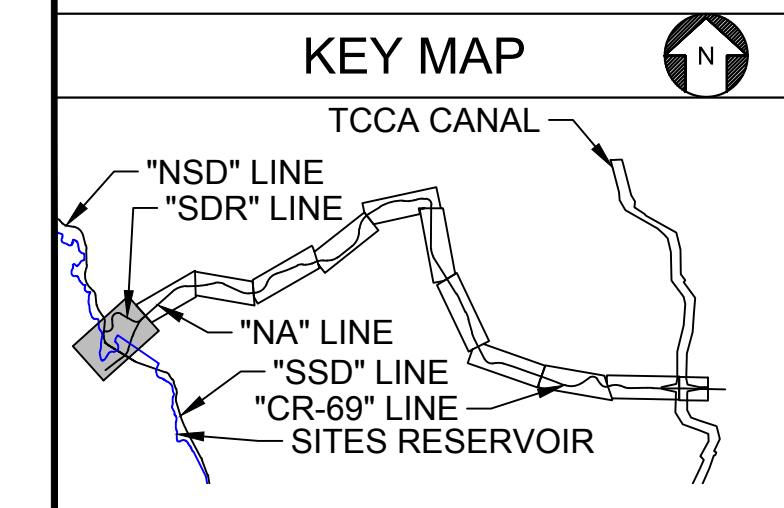
30% SUBMITTAL - NOT FOR CONSTRUCTION



**SUPERELEVATION DIAGRAM**  
HORIZ SCALE: 1" = 100'



**PROFILE**  
HORIZ SCALE: 1" = 100'  
VERT SCALE: 1" = 25'



Plot Date: 3/21/2024 4:19 PM Saved By: JUSTIN CHANZ File: c:\pwworking\hdr\_sites\_reservoir\tdms01516\STS-1710-R-3113.dwg

DESIGNED BY:	K. KRAMER
DRAWN BY:	L. NITKA
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

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

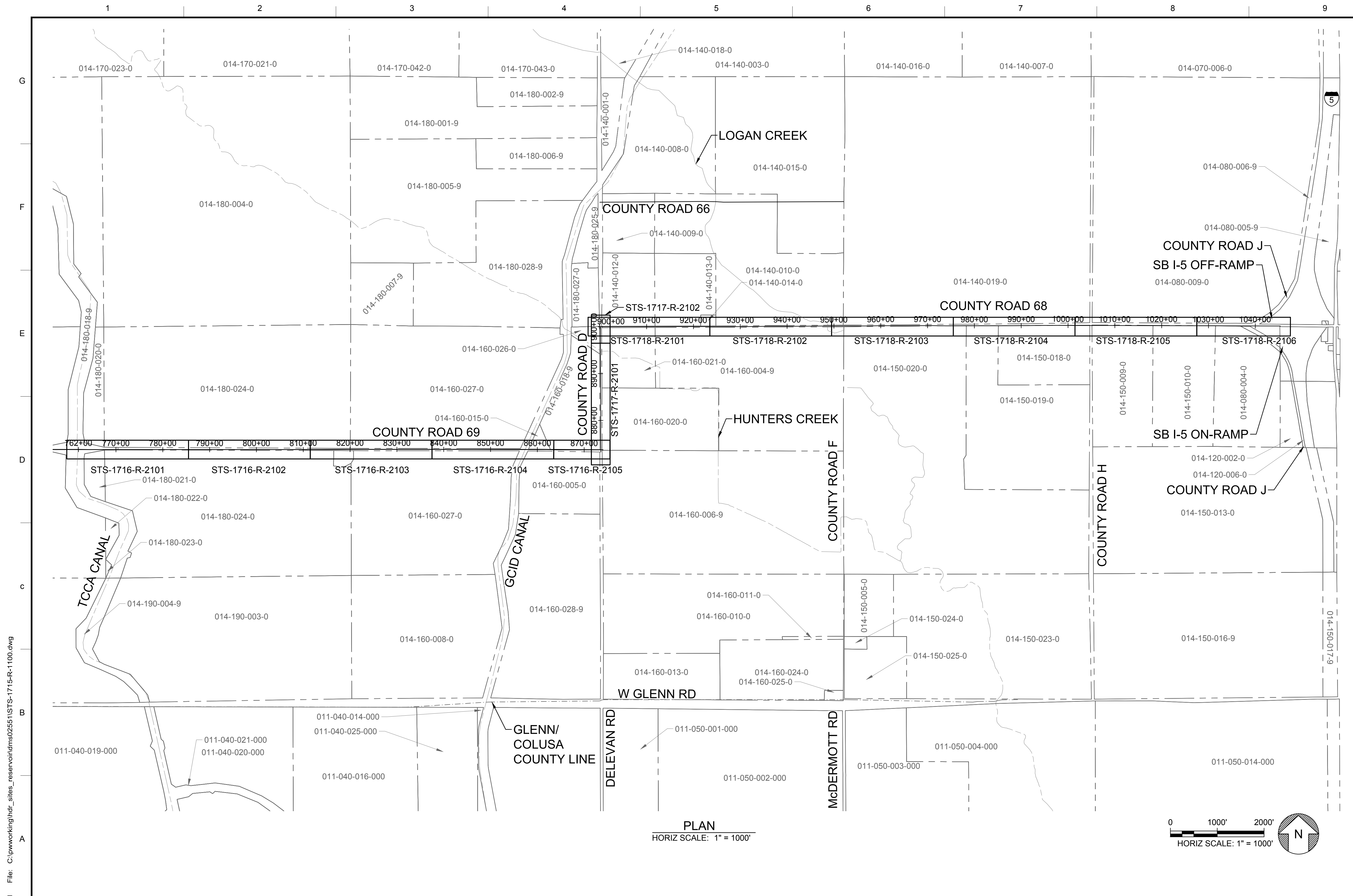
REGISTERED PROFESSIONAL ENGINEER  
V. DOCTORO  
C78231  
CALIFORNIA



**SITES RESERVOIR**  
SITES RESERVOIR ROADWAY  
SADDLE DAM ROAD  
SUPERELEVATION AND PROFILE

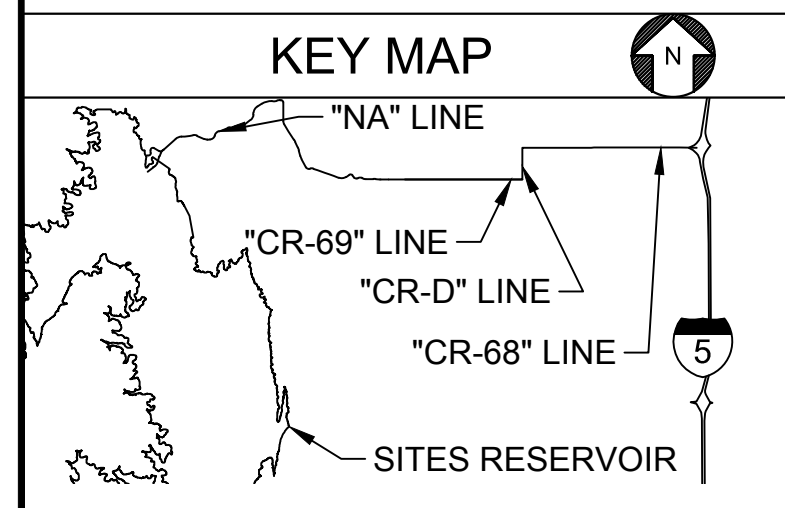
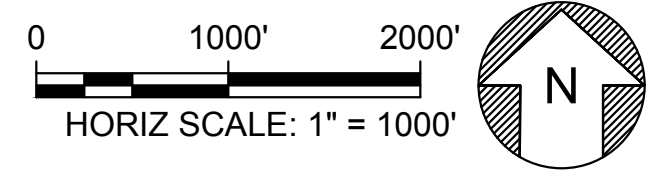
VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
DRAWING NO. STS-1710-R-3113  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



- GENERAL NOTES**
- RIGHT OF WAY DATA SHOWN IS FROM COUNTY GIS DATA PROVIDED IN 2020. LOCATION OF PROPERTY LINES WILL BE VERIFIED IN SUBSEQUENT DESIGN PHASES.
  - REFER TO THE GENERAL RESERVOIR ARRANGEMENT PLAN AND FEATURE LOCATION NAME LIST SHEETS FOR ADDITIONAL INFORMATION NOT SHOWN.

**PLAN**  
HORIZ SCALE: 1" = 1000'



Plot Date: 3/20/2024 8:55 AM  
 Saved By: VALDEZR  
 File: C:\pwworking\hdr\_sites\_reservoir\dms02551\STS-1715-R-1100.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
R. VALDEZ  
 DRAWN BY:  
L. NITKA  
 CHECKED BY:  
A. GLEN  
 IN CHARGE:  
H. MICHAEL  
 DATE:  
03/15/24

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

REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTOLERO  
 C78231  
 CALIFORNIA

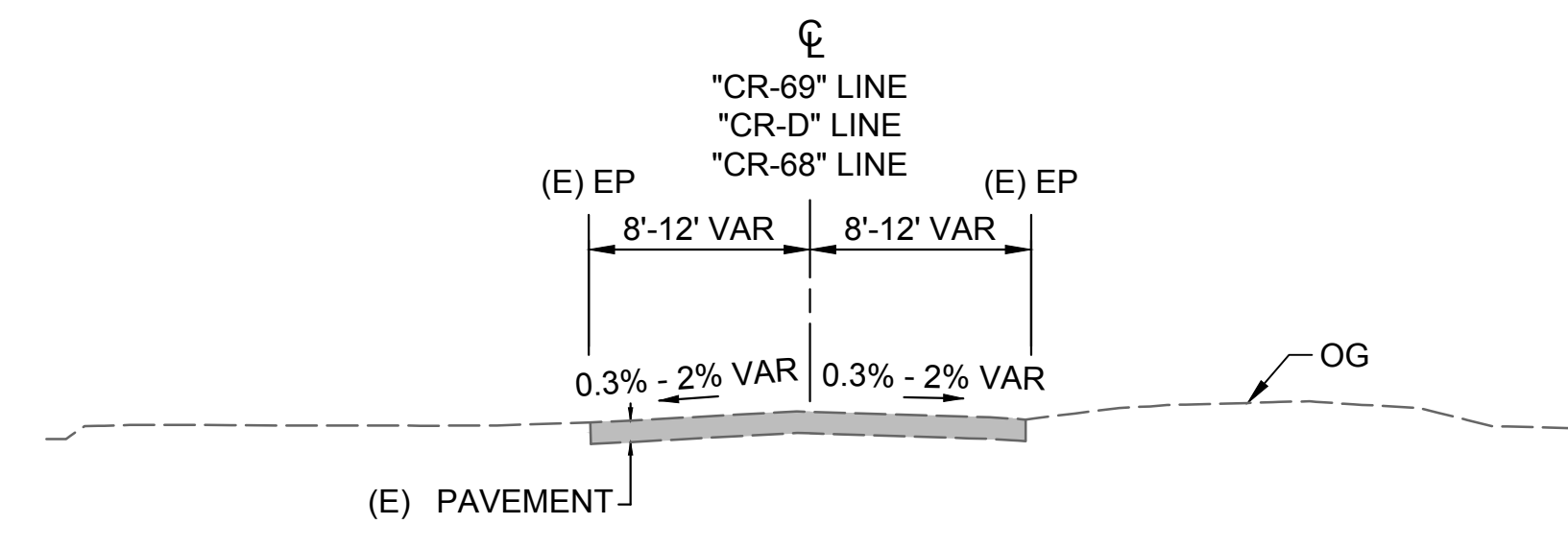
**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 COUNTY ROAD 69, D, AND 68  
 KEY MAP INDEX

**VERIFY SCALES**  
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 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
  
 DRAWING NO.  
 STS-1715-R-1100  
 SHT OF

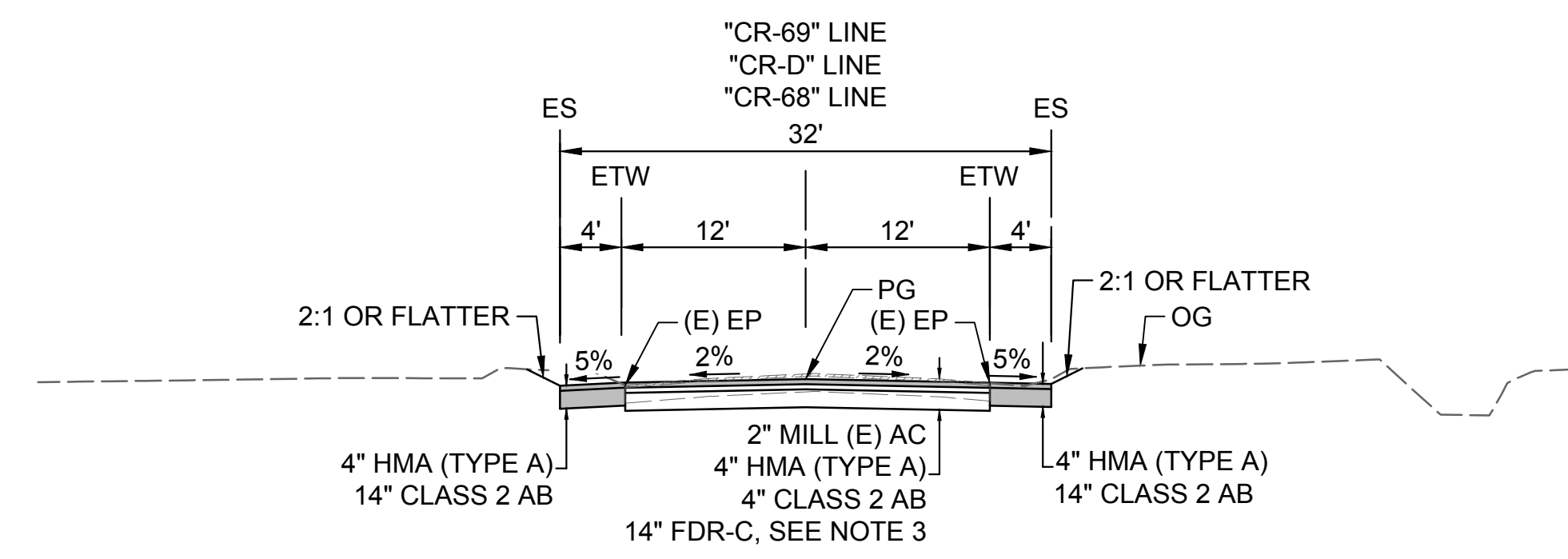
30% SUBMITTAL - NOT FOR CONSTRUCTION

**GENERAL NOTES**

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTION) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE CALTRANS STANDARD SPECIFICATIONS. PAVEMENT STRUCTURAL SECTIONS ARE PENDING GEOTECHNICAL INVESTIGATIONS.
2. REFER TO ROADWAY PLANS AND CONSTRUCTION DETAIL INFORMATION NOT SHOWN.
3. FULL DEPTH RECLAMATION AND MIX DESIGN TO BE COMPLETED AT A LATER DATE. PAVEMENT SECTIONS ARE BASED ON GEOTECHNICAL RECOMMENDATIONS.
4. REFER TO ROADWAY PLANS AND CONSTRUCTION DETAIL INFORMATION NOT SHOWN.
5. PAVEMENT STRUCTURAL SECTION TO BE CONSTRUCTED ON COMPACTED NATIVE MATERIAL.
6. PAVEMENT DELINEATION SHOWN IS FINAL STRIPING.



**TYPICAL EXISTING COUNTY ROAD 69, 68, D SECTION**  
HORIZ SCALE: NO SCALE



ROAD	FROM	TO
"CR-69" LINE	762+80.00	762+82.50
"CR-69" LINE	791+32.50	791+75.00
"CR-69" LINE	793+05.00	794+68.00
"CR-69" LINE	813+30.00	818+67.50
"CR-69" LINE	820+42.50	820+82.50
"CR-69" LINE	821+07.50	821+22.50
"CR-69" LINE	822+77.50	823+82.50
"CR-69" LINE	830+62.50	830+82.50
"CR-D" LINE	874+69.20	875+87.50
"CR-D" LINE	875+97.50	876+02.50
"CR-D" LINE	891+02.50	891+72.50
"CR-D" LINE	892+62.50	892+97.50
"CR-D" LINE	893+92.50	894+70.00
"CR-68" LINE	905+57.50	923+67.50
"CR-68" LINE	925+32.50	925+72.50
"CR-68" LINE	926+22.50	926+62.50
"CR-68" LINE	927+22.50	927+52.50
"CR-68" LINE	930+17.50	932+22.50
"CR-68" LINE	1001+32.50	1002+02.50
"CR-68" LINE	1002+32.50	1019+72.50
"CR-68" LINE	1019+92.50	1020+17.50
"CR-68" LINE	1020+37.50	1020+82.50
"CR-68" LINE	1039+17.50	1039+50.00

**"CR-69", "CR-D", AND "CR-68" LINE**  
HORIZ SCALE: NO SCALE

Plot Date: 3/20/2024 10:18 AM File: C:\pwworking\hdr\_sites\_reservoir\dms01573\STS-1716-R-1101.dwg Saved By: VALDEZ

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
R. VALDEZ

DRAWN BY:  
L. NITKA

CHECKED BY:  
A. GLEN

IN CHARGE:  
H. MICHAEL

DATE:  
03/15/24



REGISTERED  
PROFESSIONAL  
ENGINEER  
V. DOCTOLERO  
C78231  
CALIFORNIA



**SITES RESERVOIR**

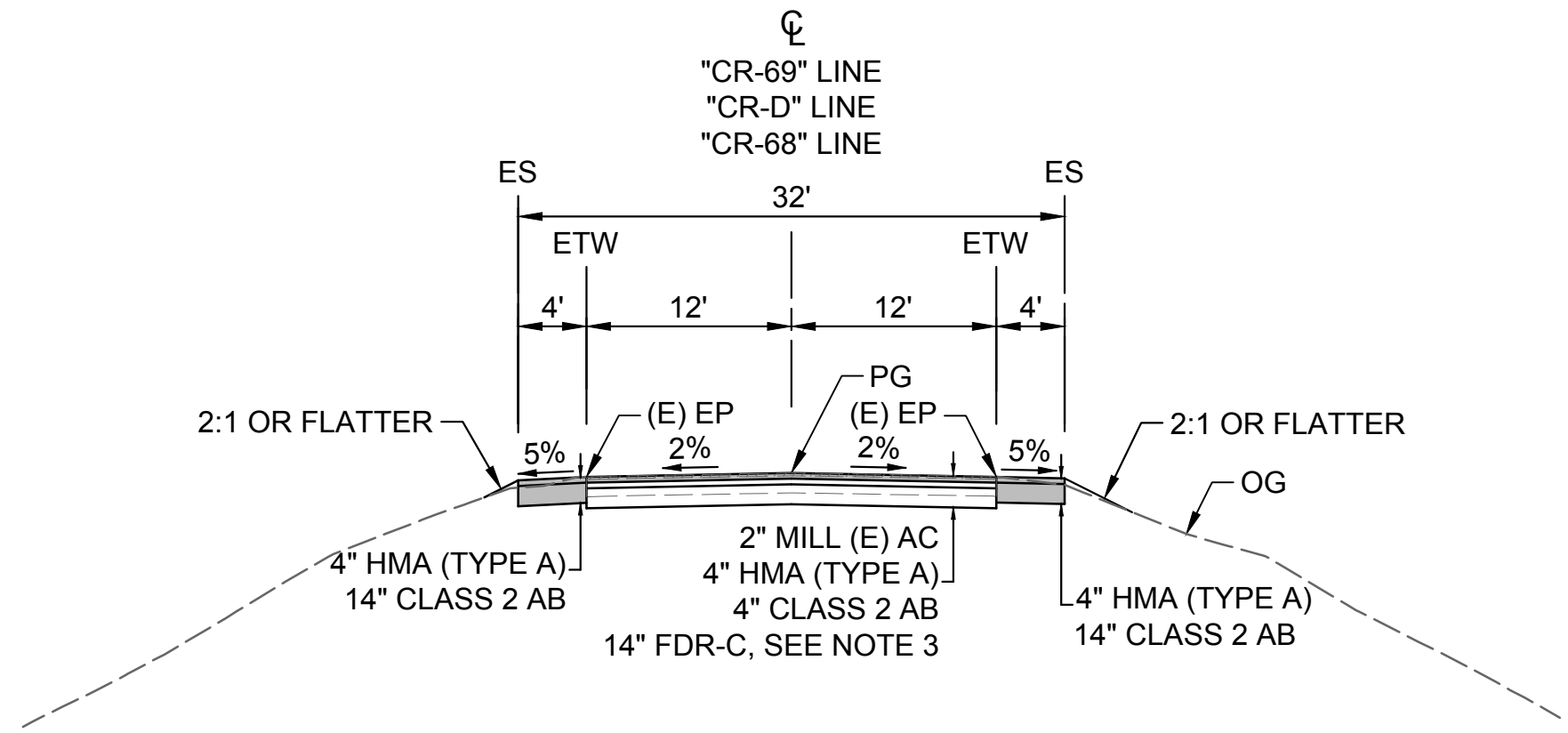
SITES RESERVOIR  
ROADWAY  
COUNTY ROAD 69, D, AND 68  
TYPICAL SECTIONS

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

DRAWING NO.  
STS-1716-R-1101  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

G  
F  
E  
D  
C  
B  
A



ROAD	FROM	TO
"CR-69" LINE	763+52.50	785+97.50
"CR-69" LINE	786+65.00	788+57.50
"CR-69" LINE	788+72.50	788+82.50
"CR-69" LINE	789+17.50	789+72.50
"CR-69" LINE	794+87.50	796+37.50
"CR-69" LINE	796+57.50	796+80.00
"CR-69" LINE	797+02.50	805+05.00
"CR-69" LINE	805+32.50	805+47.50
"CR-69" LINE	806+37.50	806+82.50
"CR-69" LINE	807+27.50	807+37.50
"CR-69" LINE	830+97.50	831+22.50
"CR-69" LINE	832+32.50	834+12.50
"CR-69" LINE	834+62.50	835+62.50
"CR-69" LINE	836+22.50	836+72.50
"CR-69" LINE	839+87.50	839+97.50
"CR-69" LINE	840+57.50	841+67.50
"CR-69" LINE	841+87.50	842+72.50
"CR-69" LINE	848+92.50	856+67.50
"CR-69" LINE	856+97.50	857+29.30
"CR-69" LINE	857+87.35	858+50.00

ROAD	FROM	TO
"CR-69" LINE	858+82.50	865+82.50
"CR-69" LINE	866+52.50	873+25.89
"CR-D" LINE	876+07.50	876+22.50
"CR-D" LINE	876+32.50	884+97.50
"CR-D" LINE	885+12.50	888+42.50
"CR-D" LINE	889+47.50	890+37.50
"CR-D" LINE	890+52.50	890+92.50
"CR-D" LINE	894+70.00	895+97.50
"CR-D" LINE	896+07.50	896+72.50
"CR-D" LINE	896+82.50	898+70.00
"CR-68" LINE	901+32.00	903+72.50
"CR-68" LINE	926+82.50	926+92.50
"CR-68" LINE	927+57.50	928+87.50
"CR-68" LINE	929+02.50	929+97.50
"CR-68" LINE	932+77.50	972+72.50
"CR-68" LINE	972+82.50	996+02.50
"CR-68" LINE	996+97.50	997+32.50
"CR-68" LINE	997+42.50	997+52.50
"CR-68" LINE	1020+97.50	1038+72.50

"CR-69", "CR-D", AND "CR-68" LINE  
HORIZ SCALE: NO SCALE

Plot Date: 3/22/2024 9:21 AM  
Saved By: JUSTIN CHANZ  
File: C:\pwworking\hdx\_sitas\_reservoir\dms01573\STS-1716-R-1102.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
R. VALDEZ  
DRAWN BY:  
L. NITKA  
CHECKED BY:  
A. GLEN  
IN CHARGE:  
H. MICHAEL  
DATE:  
03/15/24



REGISTERED PROFESSIONAL ENGINEER  
V. DOCTOLERO  
C78231  
CALIFORNIA



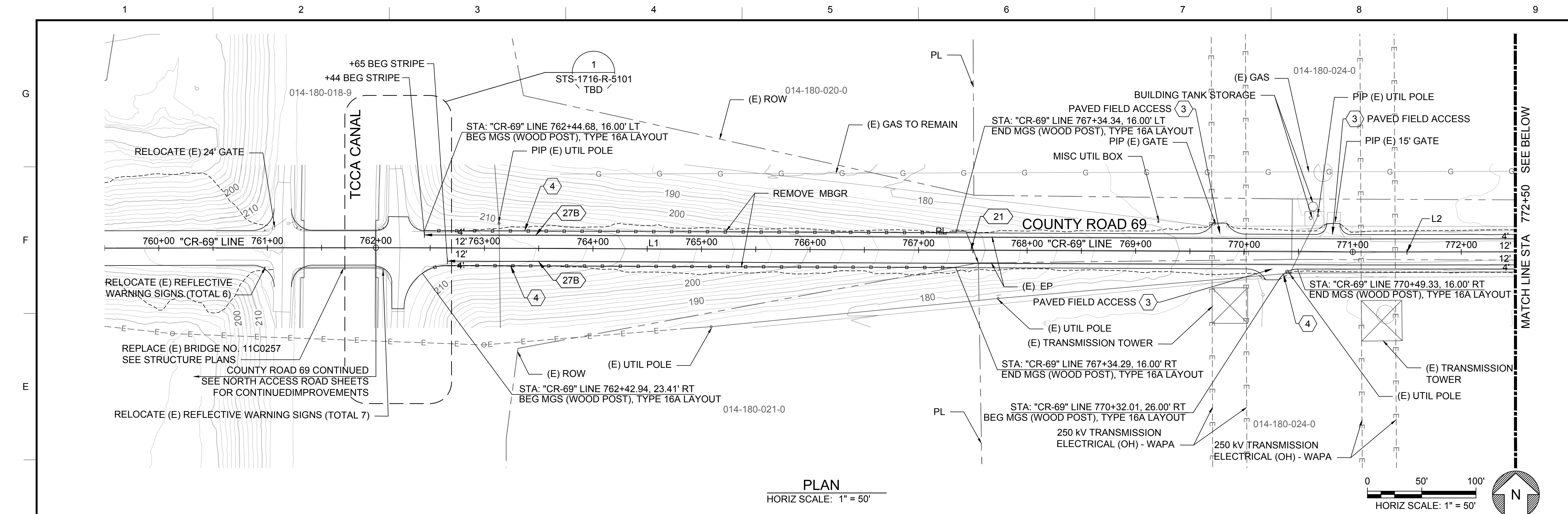
SITES RESERVOIR  
SITES RESERVOIR ROADWAY  
COUNTY ROAD 69, D, AND 68  
TYPICAL SECTIONS

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
DRAWING NO.  
STS-1716-R-1102  
SHT OF

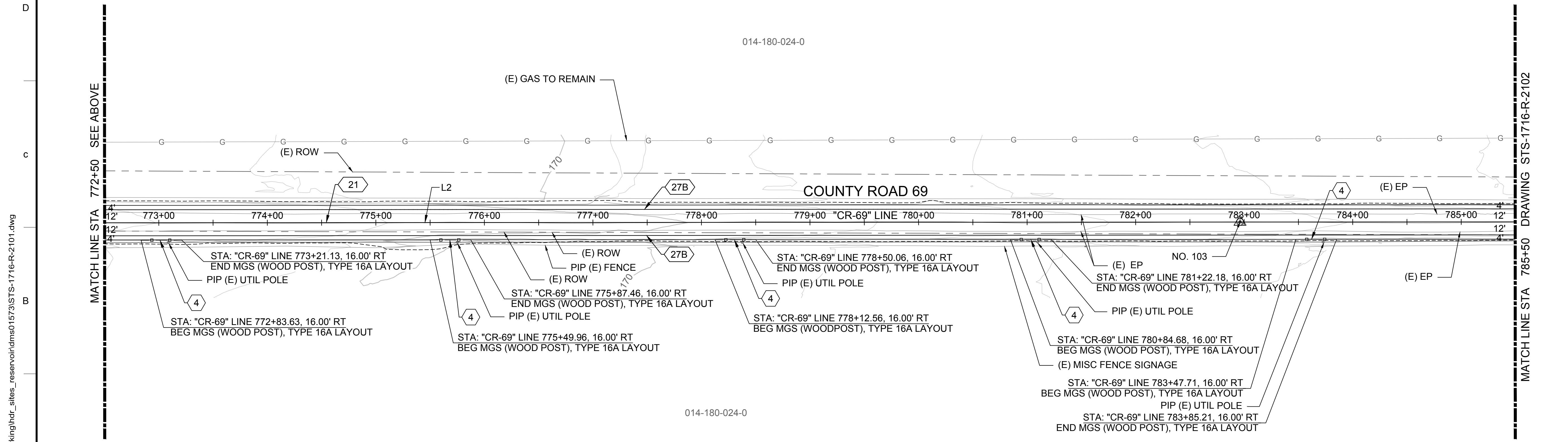
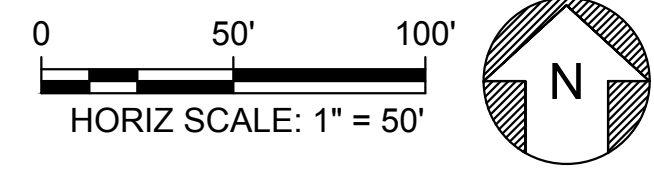
30% SUBMITTAL - NOT FOR CONSTRUCTION







PLAN  
HORIZ SCALE: 1" = 50'



PLAN  
HORIZ SCALE: 1" = 50'

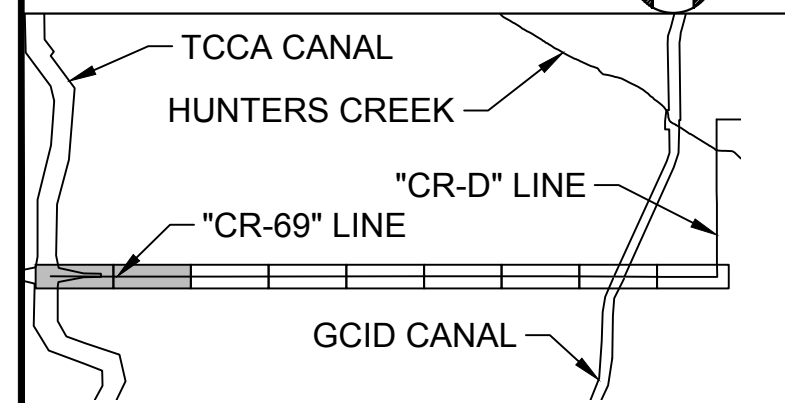
GENERAL NOTES

- FOR EXISTING ELEMENTS TO BE REMOVED, ABANDONED OR RESET, REFER TO THE DEMOLITION SHEETS. THESE WILL BE DEVELOPED IN A LATER DESIGN PHASE
- RIGHT OF WAY DATA SHOWN IS FROM COUNTY GIS DATA PROVIDED IN 2020.
- REFER TO CONSTRUCTION DETAIL SHEETS FOR ADDITIONAL INFORMATION NOT SHOWN.
- GEOTECHNICAL INFORMATION AND FIELD INVESTIGATIONS NEEDED TO DETERMINE CUT AND FILL SLOPES, AND RETAINING WALL LIMITS. POTENTIAL RETAINING WALL PLACEMENT IS PRELIMINARY.
- PROPOSED DRAINAGE CULVERTS, BOX CULVERTS, AND DITCHES ARE CONCEPTUAL FOR 30% DESIGN. HYDROLOGY AND HYDRAULICS ANALYSIS WILL BE PERFORMED IN A LATER DESIGN PHASE TO APPROPRIATELY SIZE FOR ROADWAY DRAINAGE AND CONVEYANCE
- PAVEMENT DELINEATION SHOWN IS FINAL STRIPING.
- FOR CURVE AND TANGENT ALIGNMENT DATA, REFER TO THE LINE AND CURVE GEOMETRY UNDER THE GENERAL PROJECT SHEETS WITH STS-0001-G DESIGNATION.

SHEET KEY NOTES

- UTILITY RELOCATION TO COORDINATED WITH THE UTILITY OWNER IN A LATER DESIGN PHASE.
- UNIDENTIFIED FEATURE DETERMINED FROM AERIAL SURVEY. FIELD VERIFICATION OR SURVEY INFORMATION IS REQUIRED FOR PROPOSED DESIGN.
- RECONSTRUCT DRIVEWAY OR PROPERTY ACCESS AND MAINTAIN ACCESS DURING CONSTRUCTION.
- GUARD RAILING LIMITS SHOWN ARE PRELIMINARY AND WILL BE FURTHER EVALUATED AT A LATER DESIGN PHASE.

KEY MAP



REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY:  
R. VALDEZ  
DRAWN BY:  
L. NITKA  
CHECKED BY:  
A. GLEN  
IN CHARGE:  
H. MICHAEL  
DATE:  
03/15/24

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

REGISTERED PROFESSIONAL ENGINEER  
V. DOCTOLERO  
C78231  
CALIFORNIA



**SITES RESERVOIR**  
SITES RESERVOIR  
ROADWAY  
COUNTY ROAD 69  
PLAN

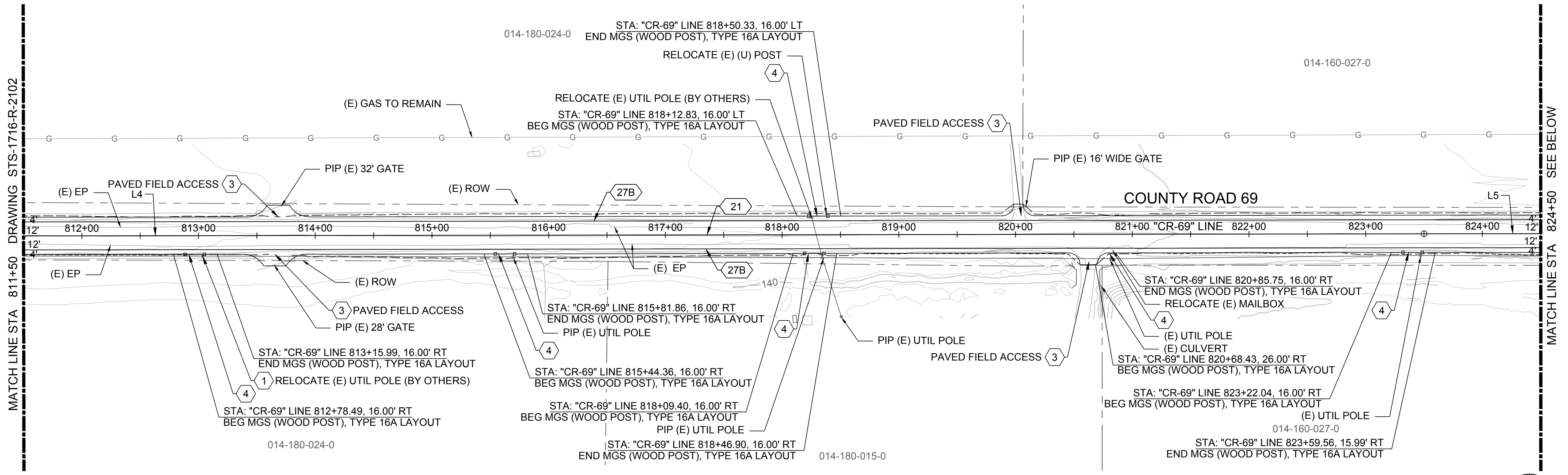
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DRAWING NO.  
STS-1716-R-2101  
SHT OF

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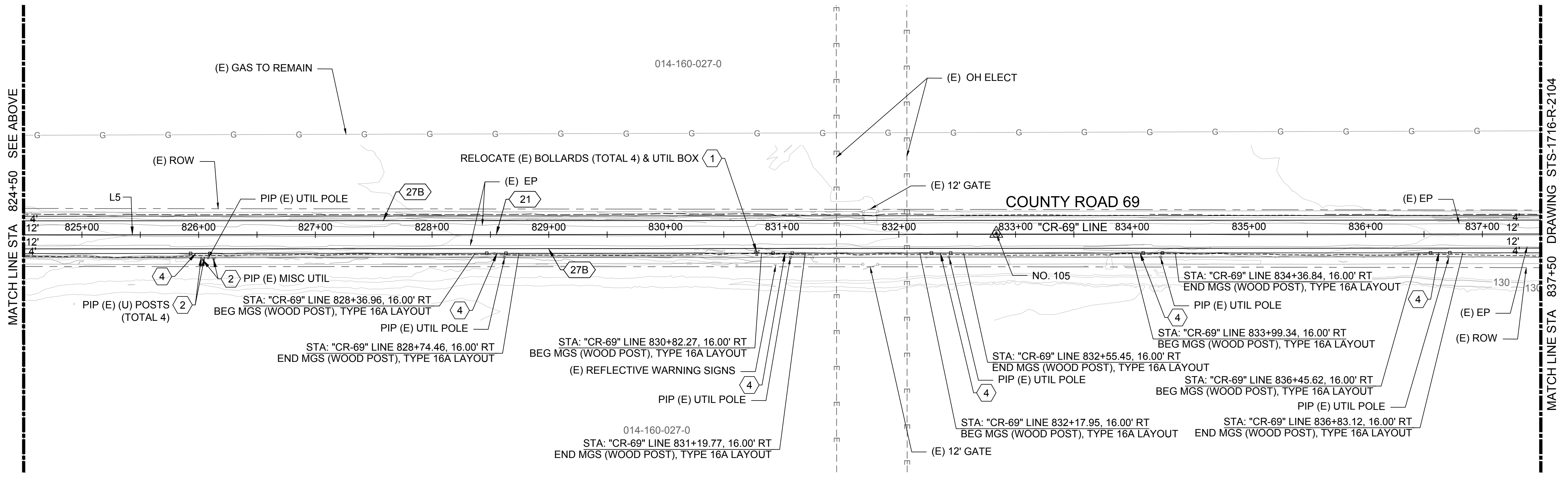
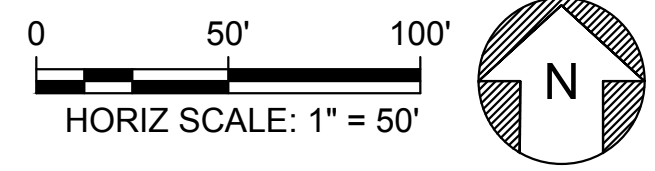
30% SUBMITTAL - NOT FOR CONSTRUCTION



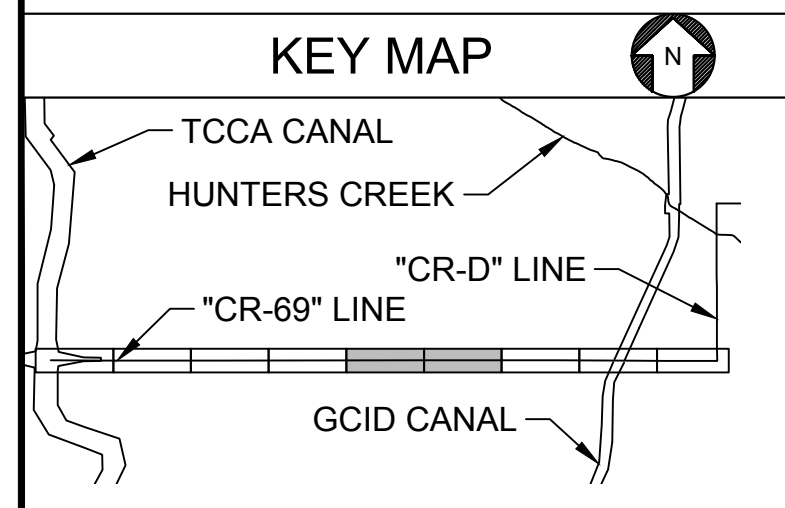
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 File: C:\pwworking\hdr\_sites\_reservoir\dms01573\STS-1716-R-2103.dwg



**PLAN**  
HORIZ SCALE: 1" = 50'



**PLAN**  
HORIZ SCALE: 1" = 50'



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
 R. VALDEZ  
 DRAWN BY:  
 L. NITKA  
 CHECKED BY:  
 A. GLEN  
 IN CHARGE:  
 H. MICHAEL  
 DATE:  
 03/15/24



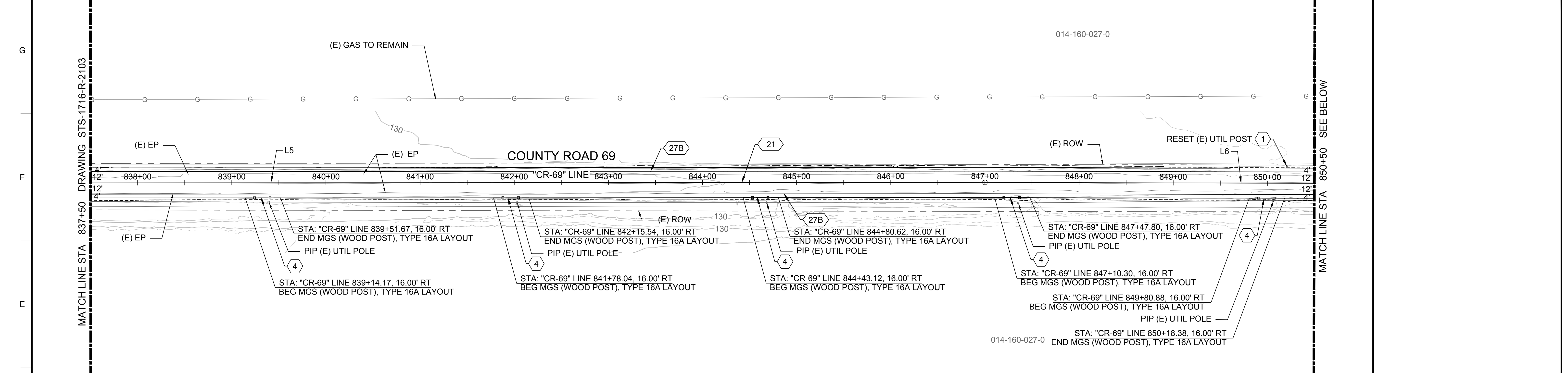
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA



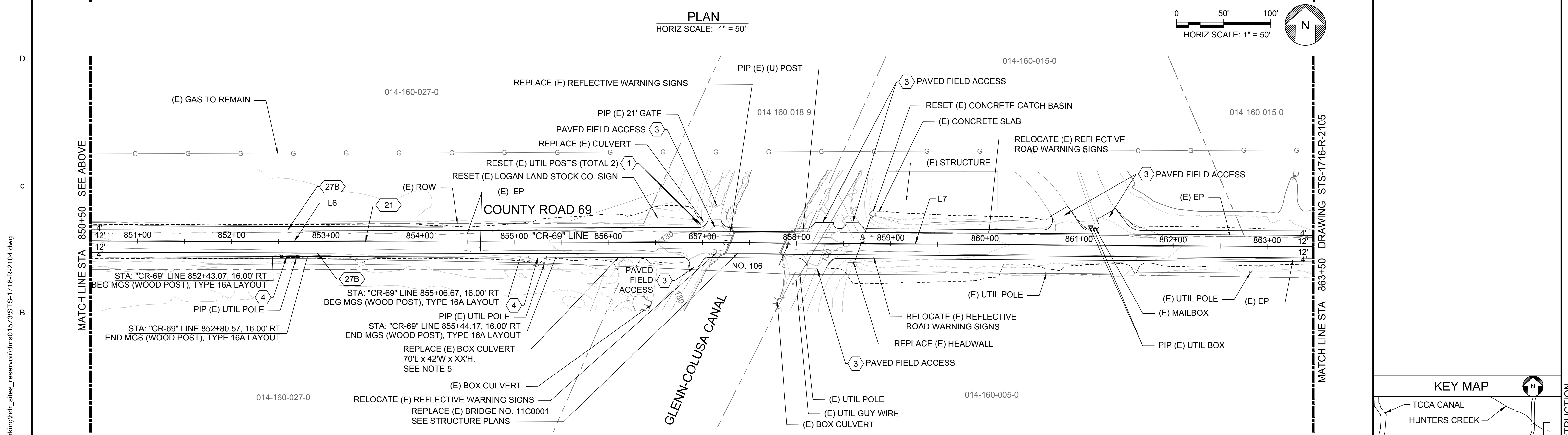
**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 COUNTY ROAD 69  
 PLAN

VERIFY SCALES  
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 REDUCED PLOTS  
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 SHT OF

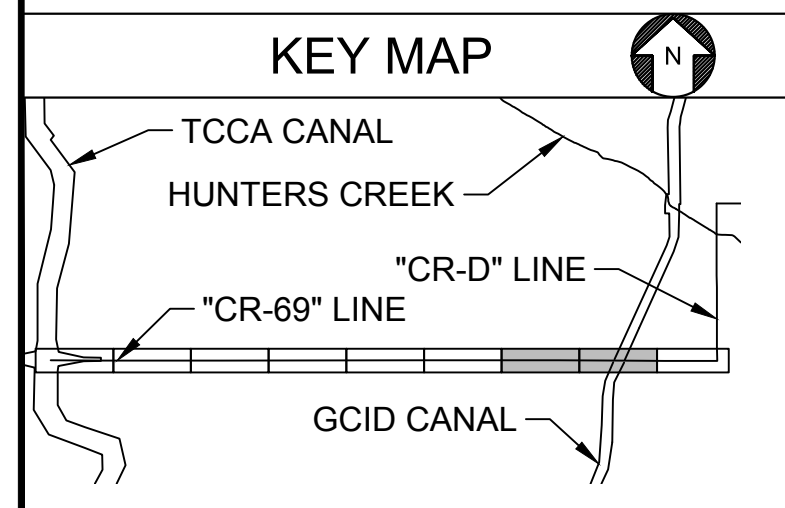
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN  
HORIZ SCALE: 1" = 50'



PLAN  
HORIZ SCALE: 1" = 50'



Plot Date: 3/20/2024 5:32 PM  
 Saved By: LYNDIA NITKA  
 File: C:\pwworking\hdr\_sites\_reservoir\dmso1573\STS-1716-R-2104.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
R. VALDEZ  
 DRAWN BY:  
E. KRİKORIAN  
 CHECKED BY:  
A. GLEN  
 IN CHARGE:  
H. MICHAEL  
 DATE:  
03/15/24

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

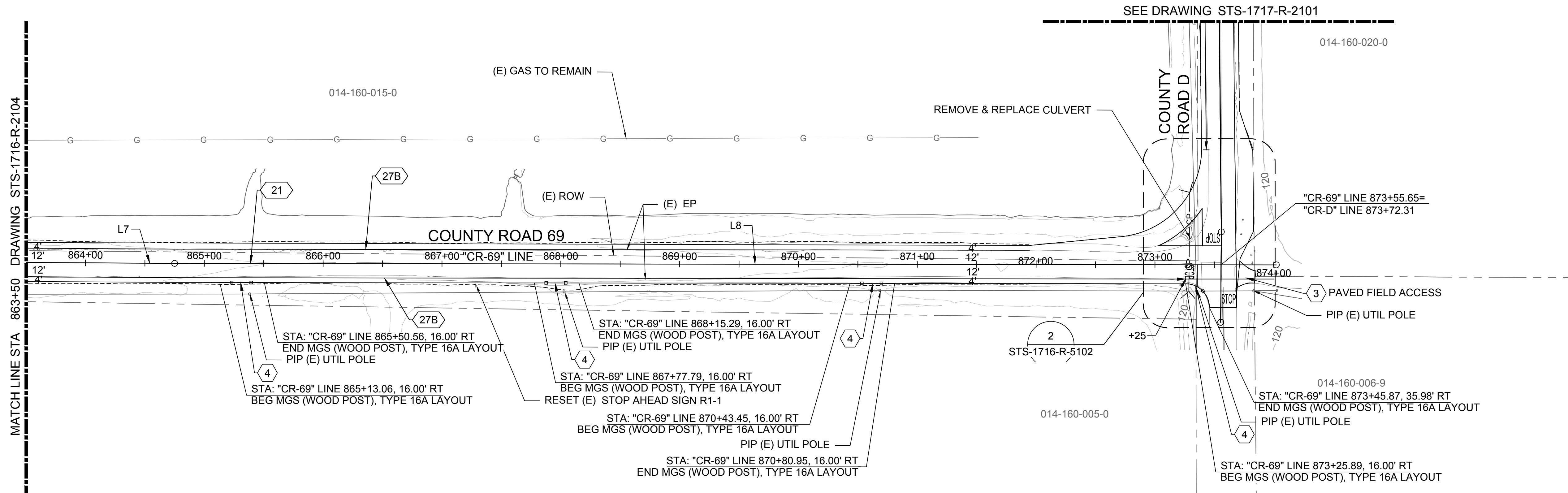
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTOLERO  
 C78231  
 CALIFORNIA



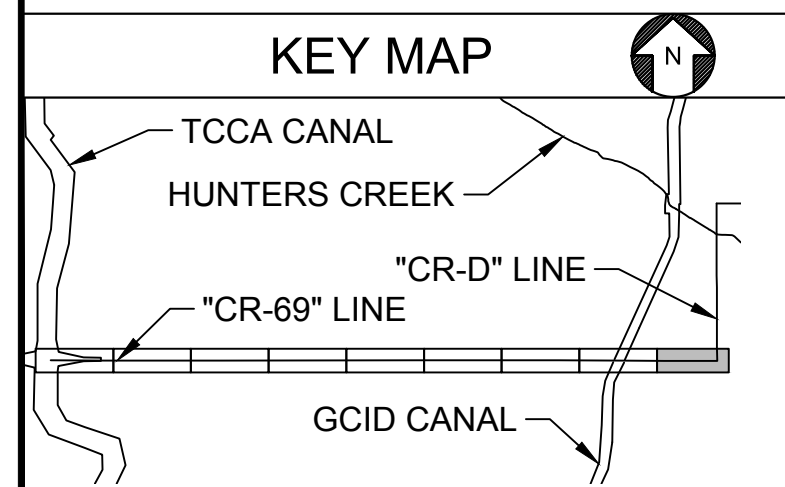
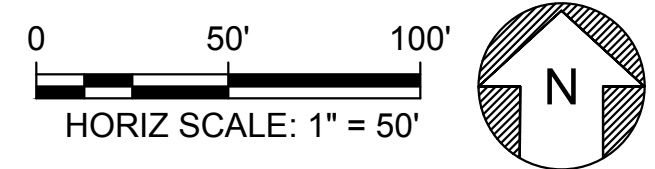
**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 COUNTY ROAD 69  
 PLAN

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
 0 50' 100'  
 1"  
 DRAWING NO.  
 STS-1716-R-2104  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN  
HORIZ SCALE: 1" = 50'



File: C:\pwworking\hdr\_sites\_reservoir\dms01573\STS-1716-R-2105.dwg  
 Plot Date: 3/20/2024 3:17 PM  
 Saved By: LYNDA, NITKA

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
R. VALDEZ  
 DRAWN BY:  
E. KRICKORIAN  
 CHECKED BY:  
A. GLEN  
 IN CHARGE:  
H. MICHAEL  
 DATE:  
03/15/24



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 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA

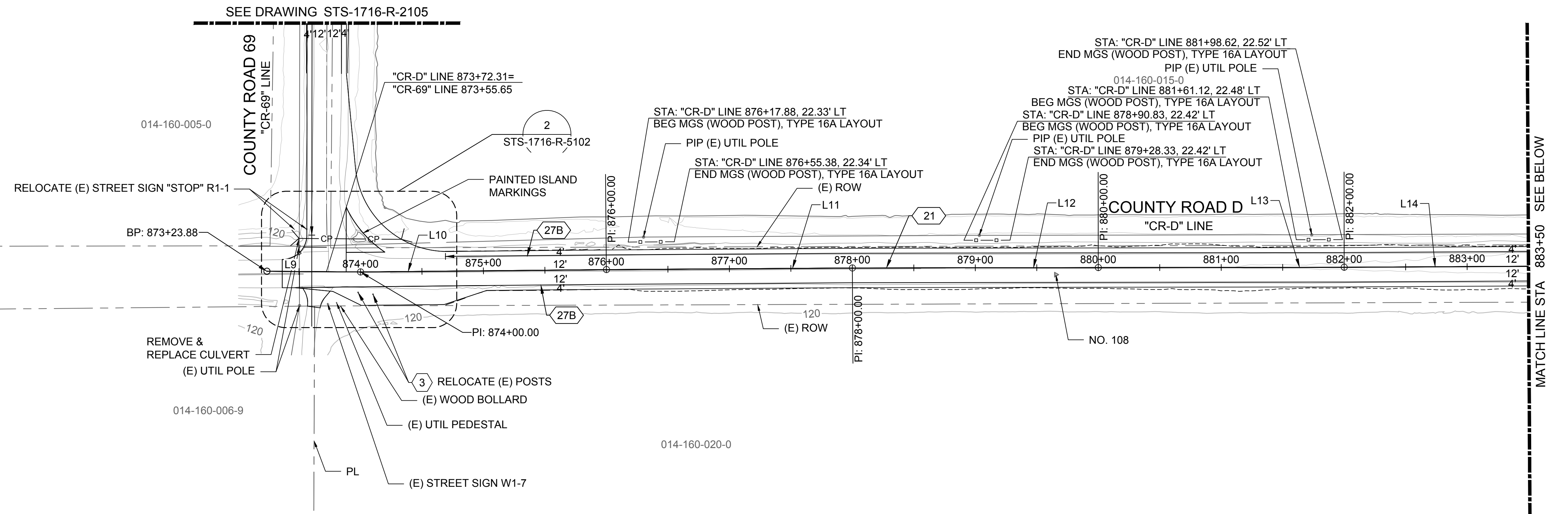


SITES RESERVOIR  
 SITES RESERVOIR  
 ROADWAY  
 COUNTY ROAD 69  
 PLAN

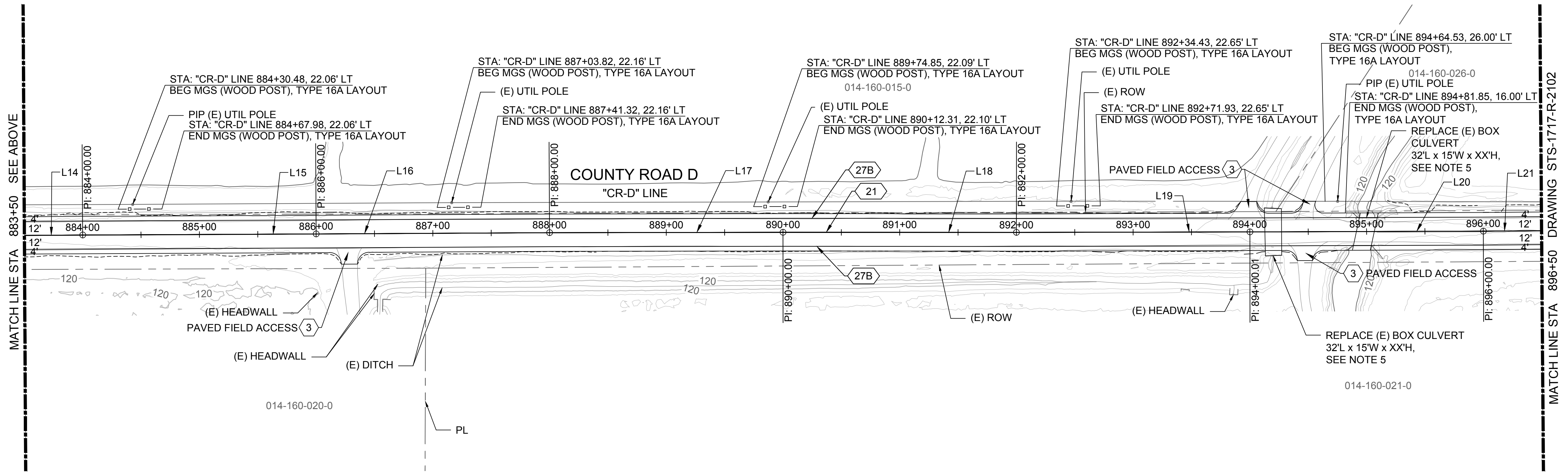
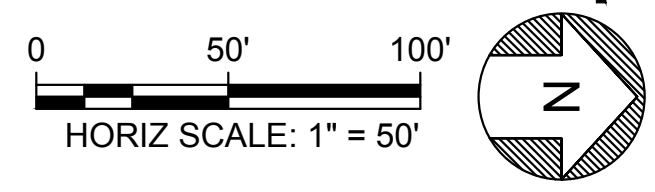
VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
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30% SUBMITTAL - NOT FOR CONSTRUCTION

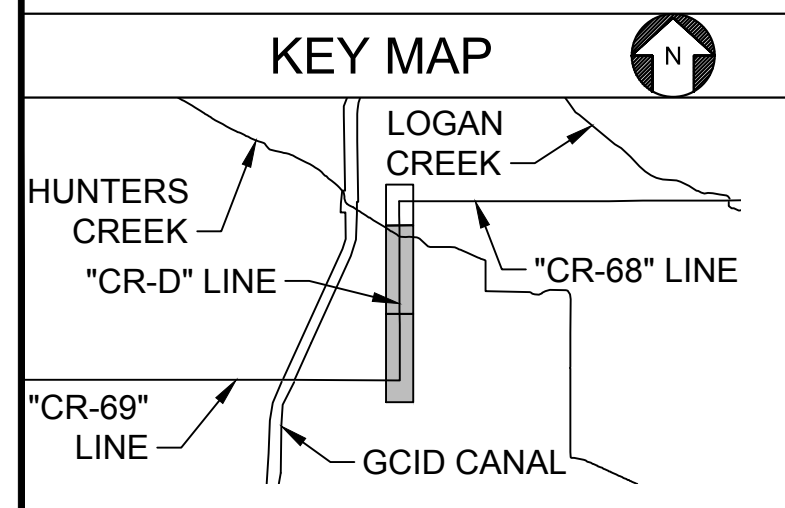
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 File: C:\pwworking\hdr\_sites\_reservoir\dms01548\STS-1717-R-2101.dwg



PLAN  
 HORIZ SCALE: 1" = 50'



PLAN  
 HORIZ SCALE: 1" = 50'



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
R. VALDEZ  
 DRAWN BY:  
L. NITKA  
 CHECKED BY:  
A. GLEN  
 IN CHARGE:  
H. MICHAEL  
 DATE:  
03/15/24



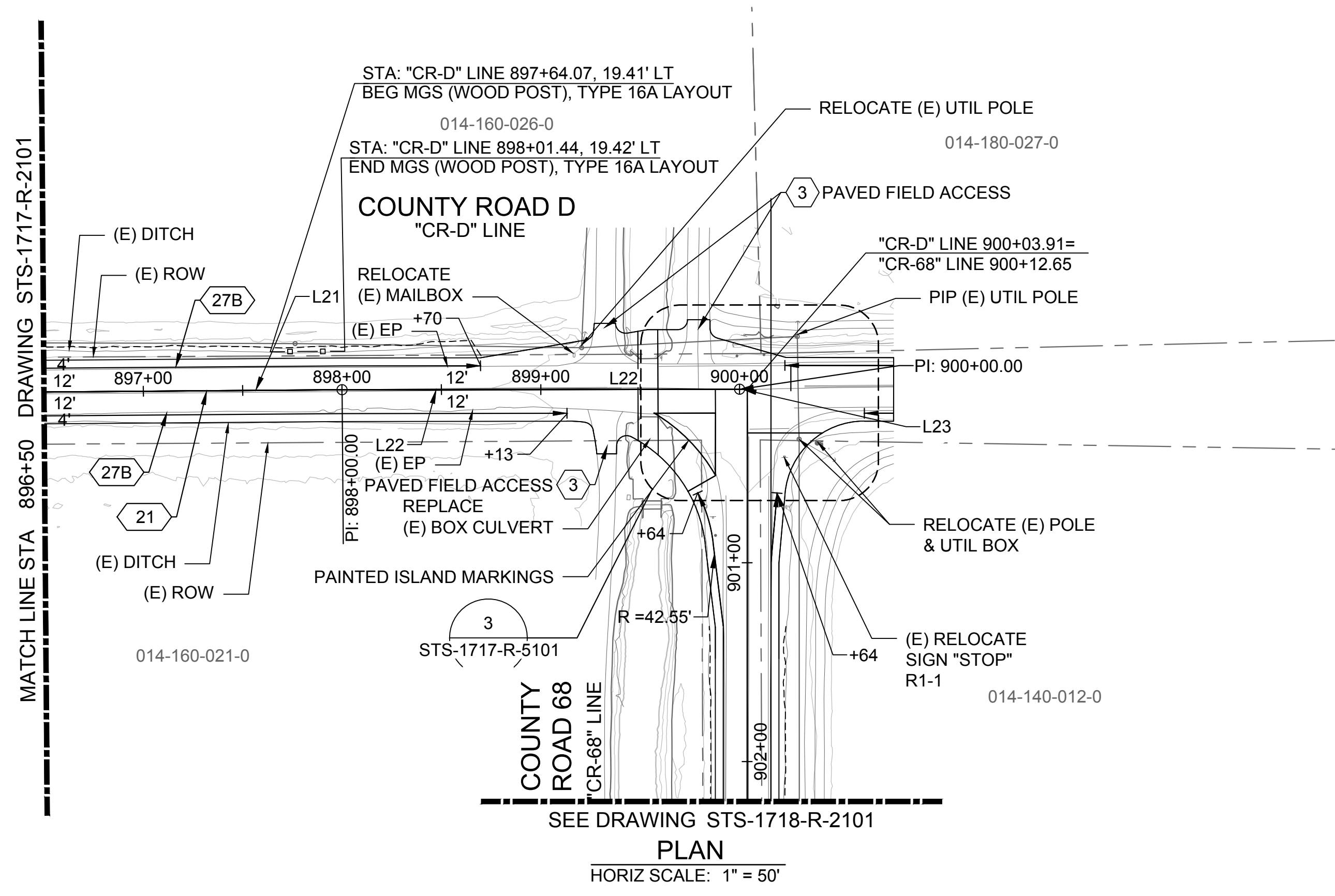
REGISTERED PROFESSIONAL ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA



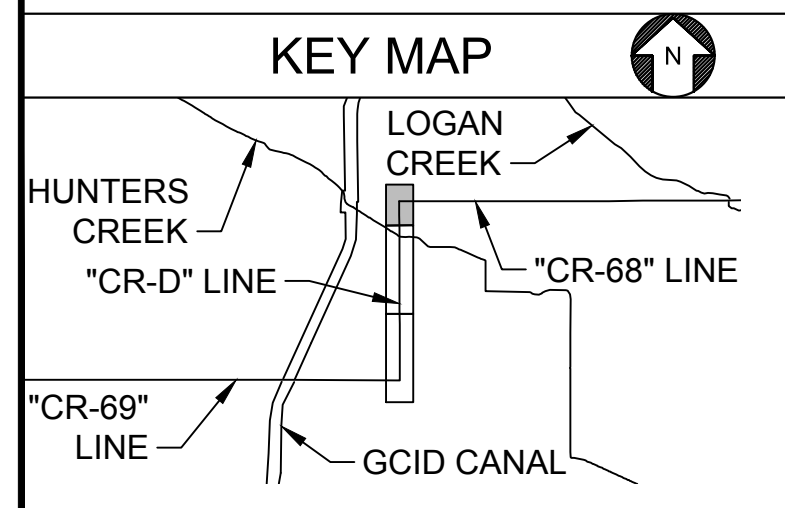
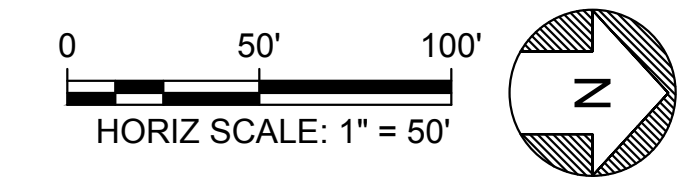
SITES RESERVOIR  
 SITES RESERVOIR ROADWAY  
 COUNTY ROAD D  
 PLAN

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
 0 50 100  
 1"  
 DRAWING NO.  
 STS-1717-R-2101  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



SEE DRAWING STS-1718-R-2101  
**PLAN**  
HORIZ SCALE: 1" = 50'



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REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
R. VALDEZ

DRAWN BY:  
L. NITKA

CHECKED BY:  
A. GLEN

IN CHARGE:  
H. MICHAEL

DATE:  
03/15/24



REGISTERED  
PROFESSIONAL  
ENGINEER  
V. DOCTORO  
C78231  
CALIFORNIA



**SITES RESERVOIR**

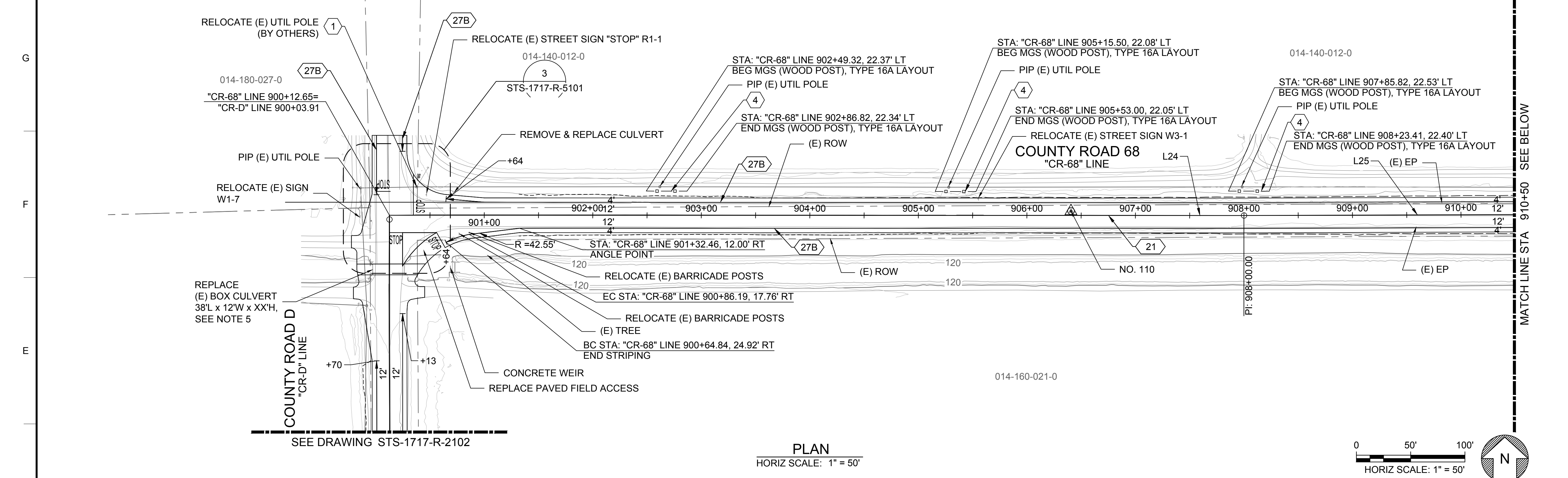
SITES RESERVOIR  
ROADWAY  
COUNTY ROAD D  
PLAN

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

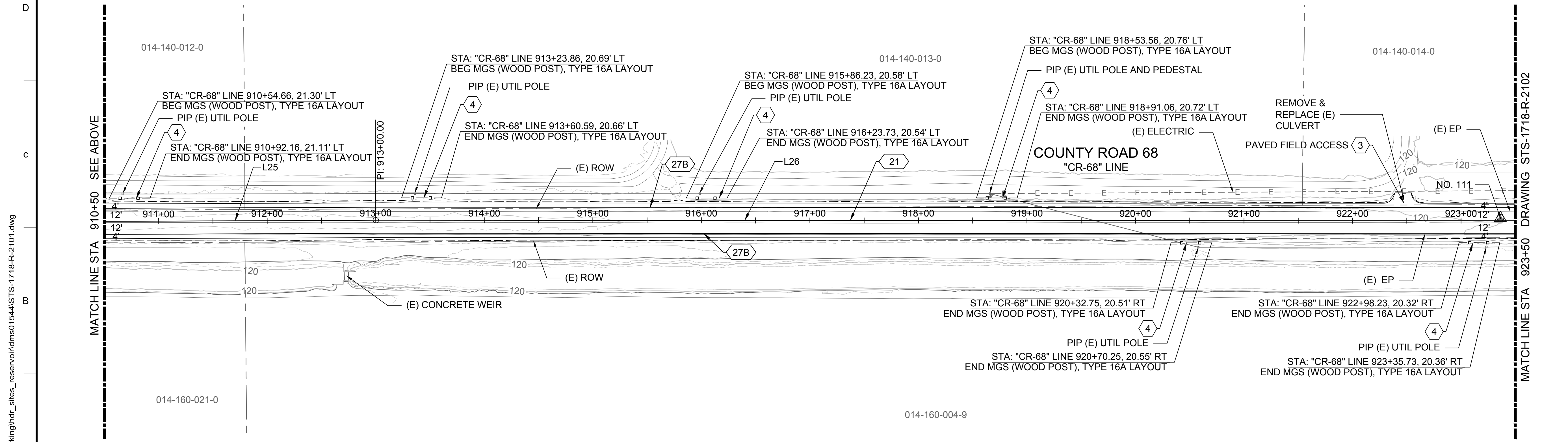
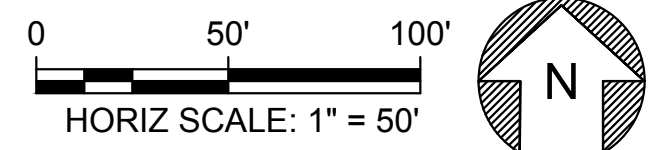
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STS-1717-R-2102  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

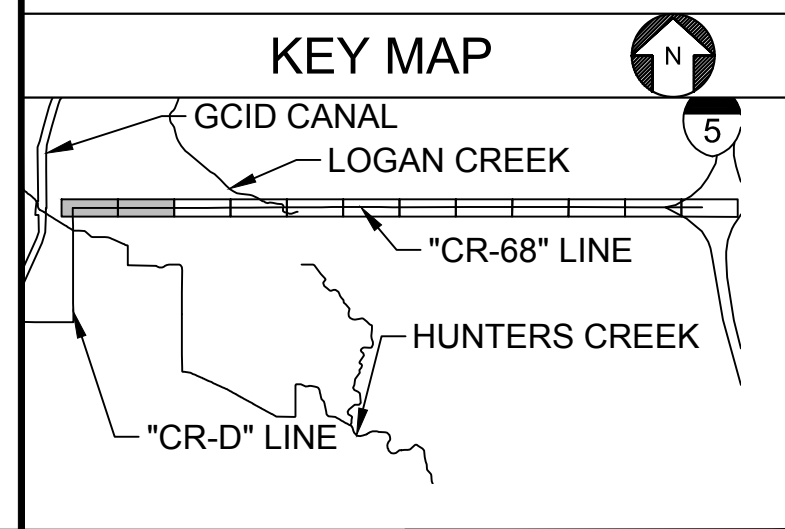




PLAN  
HORIZ SCALE: 1" = 50'



PLAN  
HORIZ SCALE: 1" = 50'



Plot Date: 3/21/2024 9:23 AM  
Saved By: LYNDIA NITKA  
File: c:\pwworking\hdr\_sites\_reservoir\dmso1544\STS-1718-R-2101.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
R. VALDEZ  
DRAWN BY:  
E. KRIKORIAN  
CHECKED BY:  
A. GLEN  
IN CHARGE:  
H. MICHAEL  
DATE:  
03/15/24

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

REGISTERED  
PROFESSIONAL  
ENGINEER  
V. DOCTORO  
C78231  
CALIFORNIA

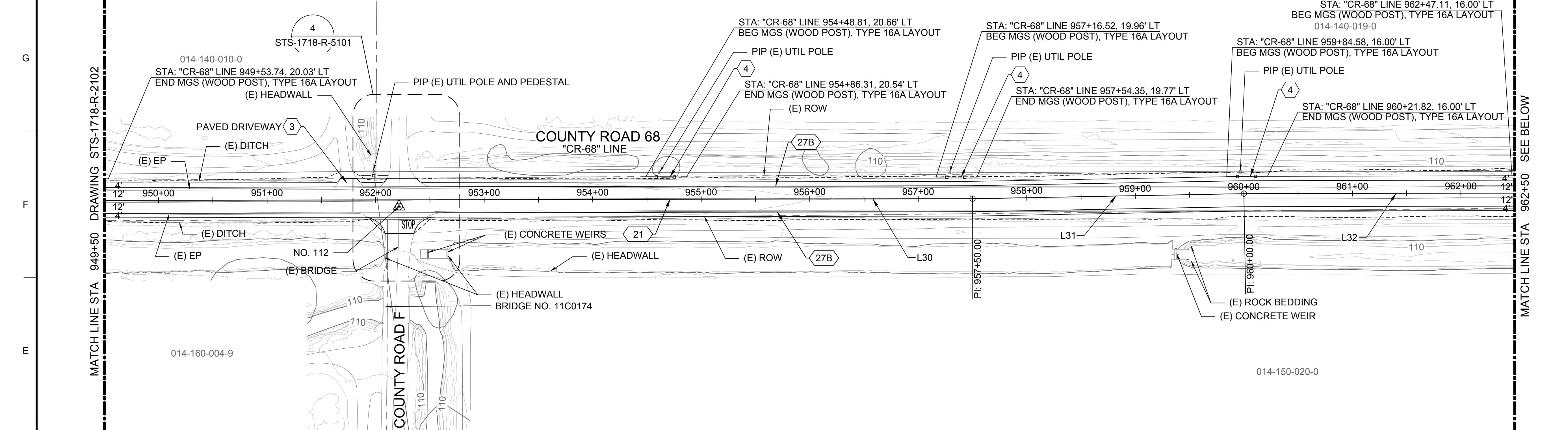


**SITES RESERVOIR**  
SITES RESERVOIR  
ROADWAY  
COUNTY ROAD 68  
PLAN

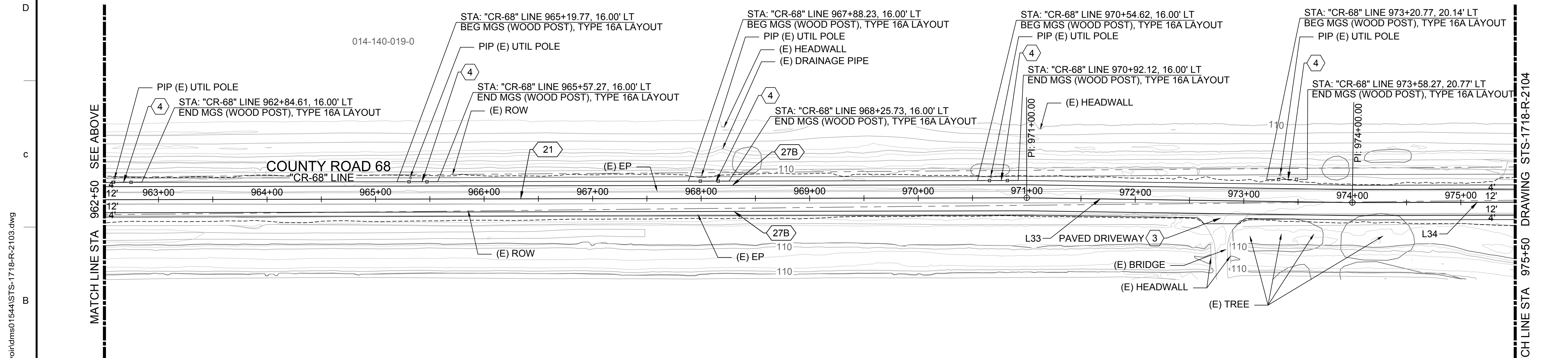
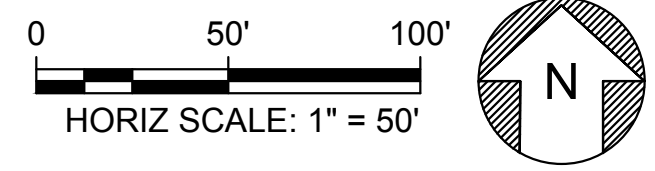
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REDUCED PLOTS  
DRAWING NO.  
STS-1718-R-2101  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

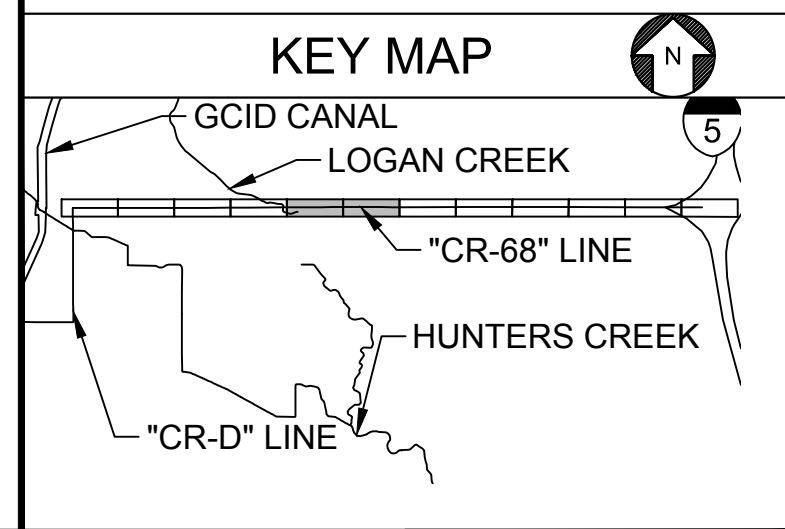




**PLAN**  
HORIZ SCALE: 1" = 50'



**PLAN**  
HORIZ SCALE: 1" = 50'



Plot Date: 3/20/2024 4:30 PM  
 Saved By: VALDEZ  
 File: C:\pwworking\hdr\_sites\_reservoir\dms01544\STS-1718-R-2103.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
R. VALDEZ  
 DRAWN BY:  
E. KRIKORIAN  
 CHECKED BY:  
A. GLEN  
 IN CHARGE:  
H. MICHAEL  
 DATE:  
03/15/24

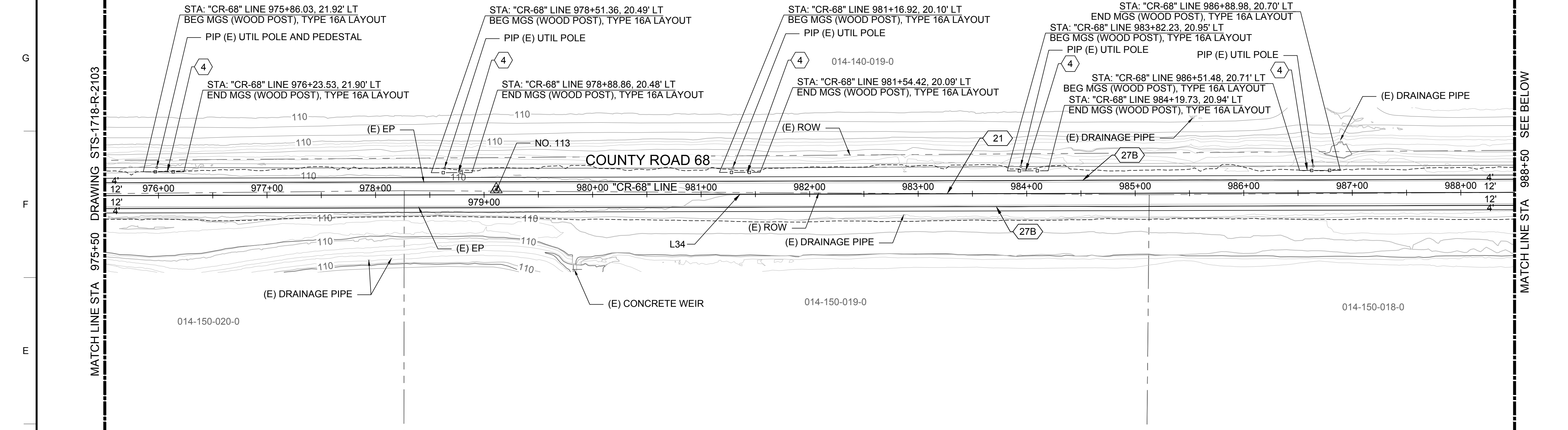
2020 L Street, Suite 400  
 Sacramento, CA 95811  
 TEL: 916.414.5800

REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA

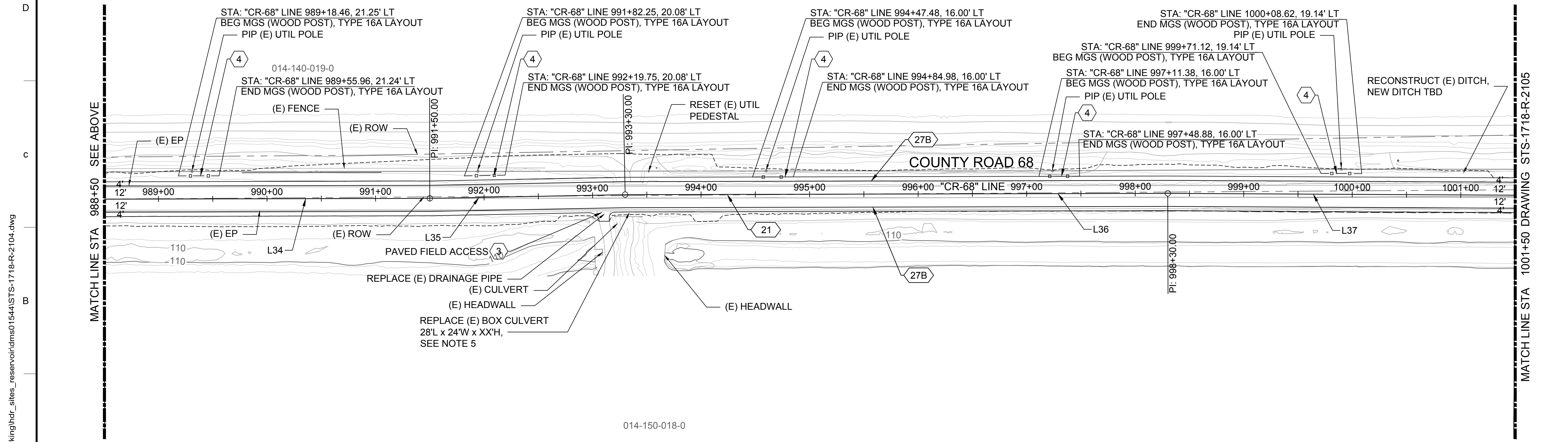
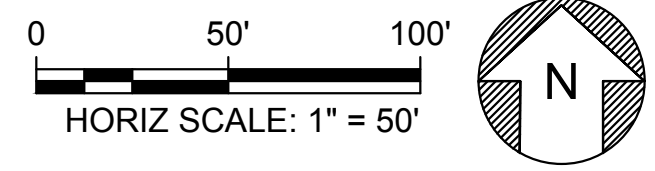
**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 COUNTY ROAD 68  
 PLAN

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWINGS. ADJUST SCALES FOR  
 REDUCED PLOTS  
  
 DRAWING NO.  
 STS-1718-R-2103  
 SHT OF

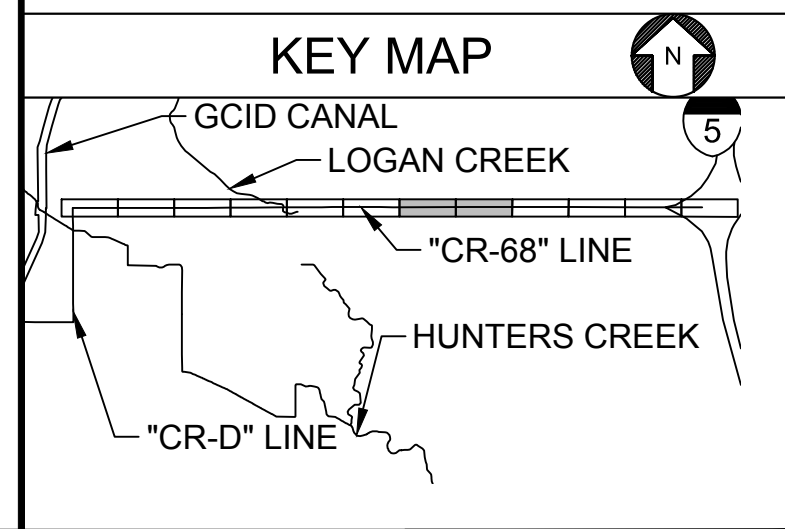
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN  
HORIZ SCALE: 1" = 50'



PLAN  
HORIZ SCALE: 1" = 50'



Plot Date: 3/21/2024 8:25 AM  
 Saved By: LYNDIA NITKA  
 File: c:\pwworking\hdr\_sites\_reservoir\dms01544\STS-1718-R-2104.dwg

DESIGNED BY:	R. VALDEZ
DRAWN BY:	E. KRİKORIAN
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

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

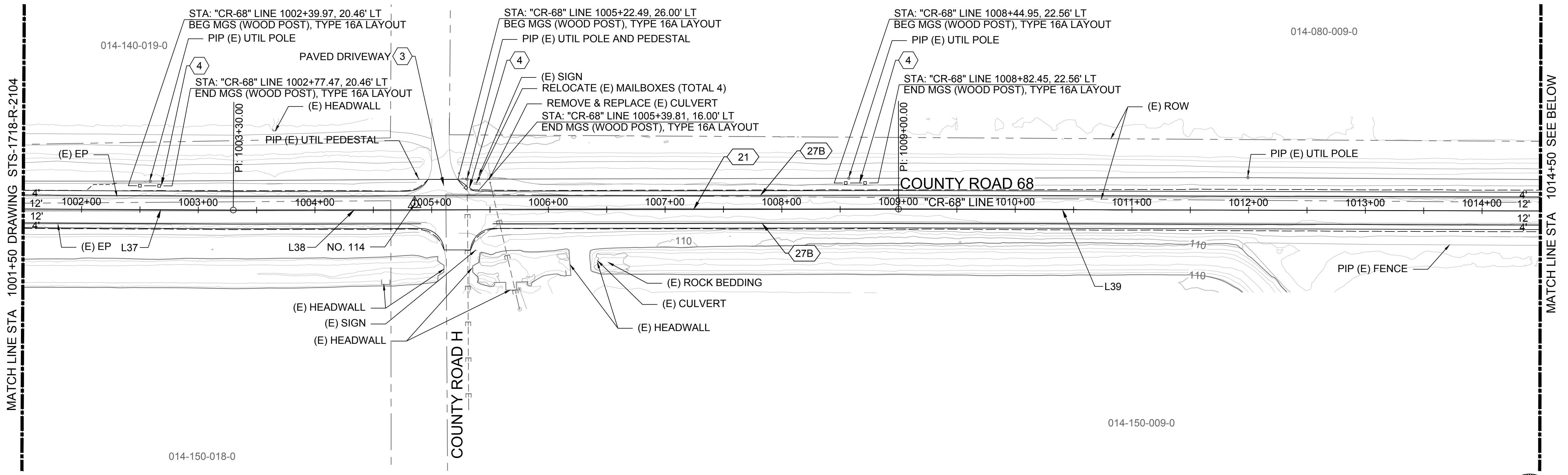
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA



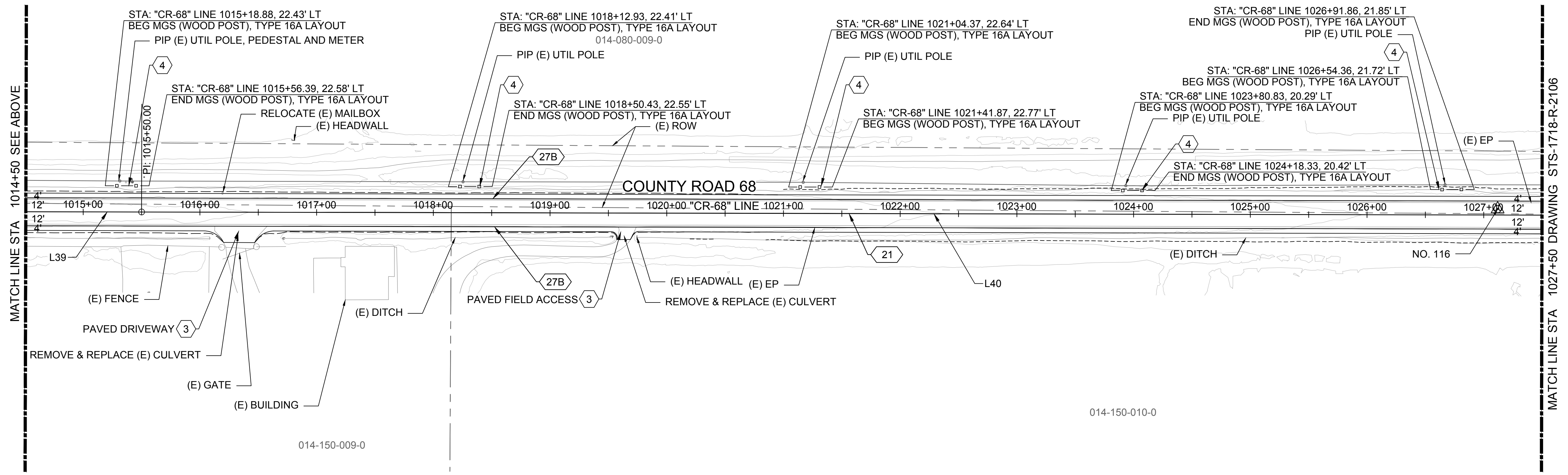
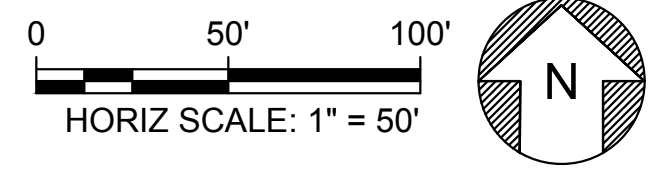
**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 COUNTY ROAD 68  
 PLAN

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO.	STS-1718-R-2104
SHT	OF

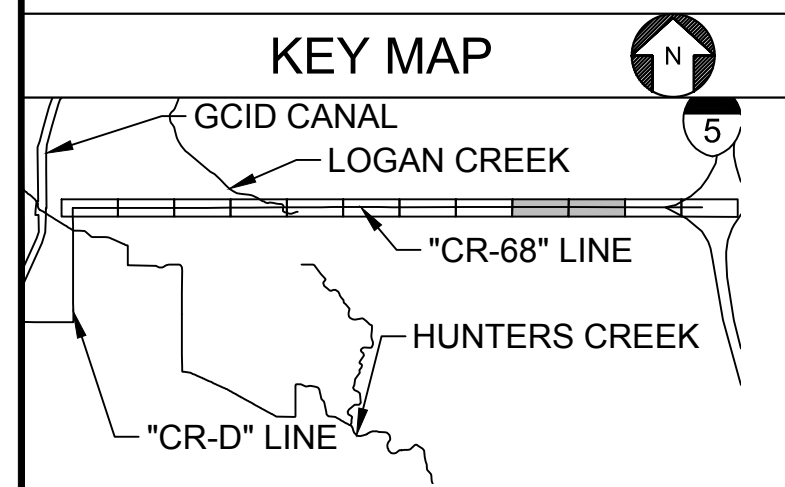
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN  
HORIZ SCALE: 1" = 50'



PLAN  
HORIZ SCALE: 1" = 50'



Plot Date: 3/22/2024 9:22 AM  
 Saved By: JUSTIN CHANZ  
 File: C:\pwworking\hdr\_sites\_reservoir\dms01544\STS-1718-R-2105.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
 R. VALDEZ  
 DRAWN BY:  
 E. KRICKORIAN  
 CHECKED BY:  
 A. GLEN  
 IN CHARGE:  
 H. MICHAEL  
 DATE:  
 03/15/24

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

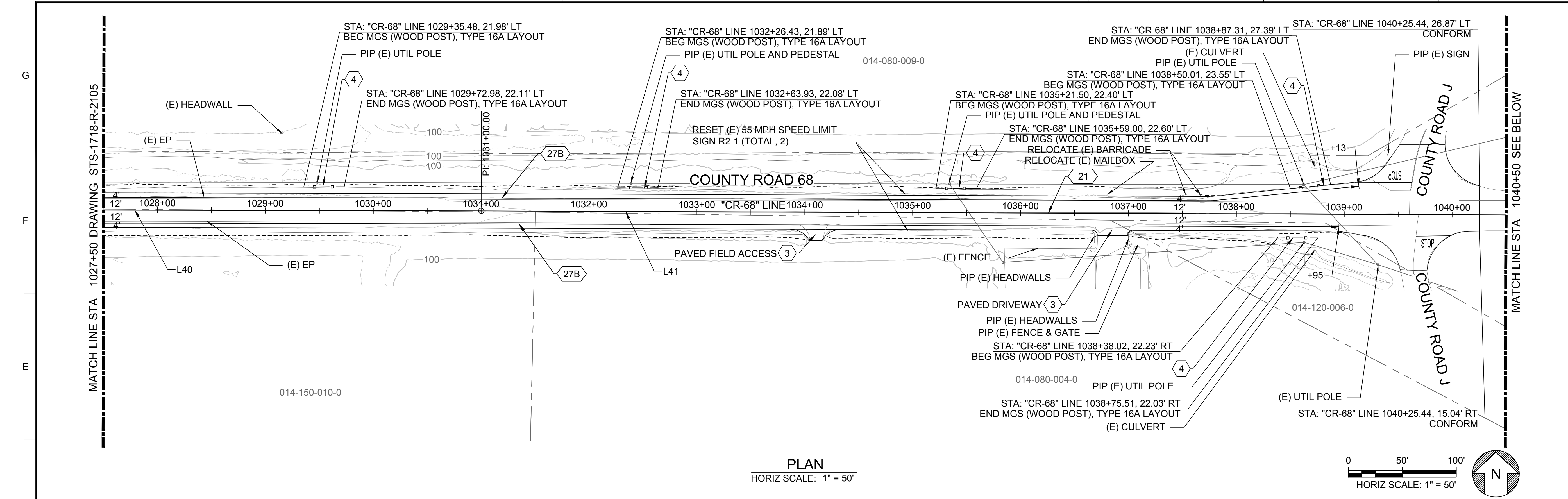
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA



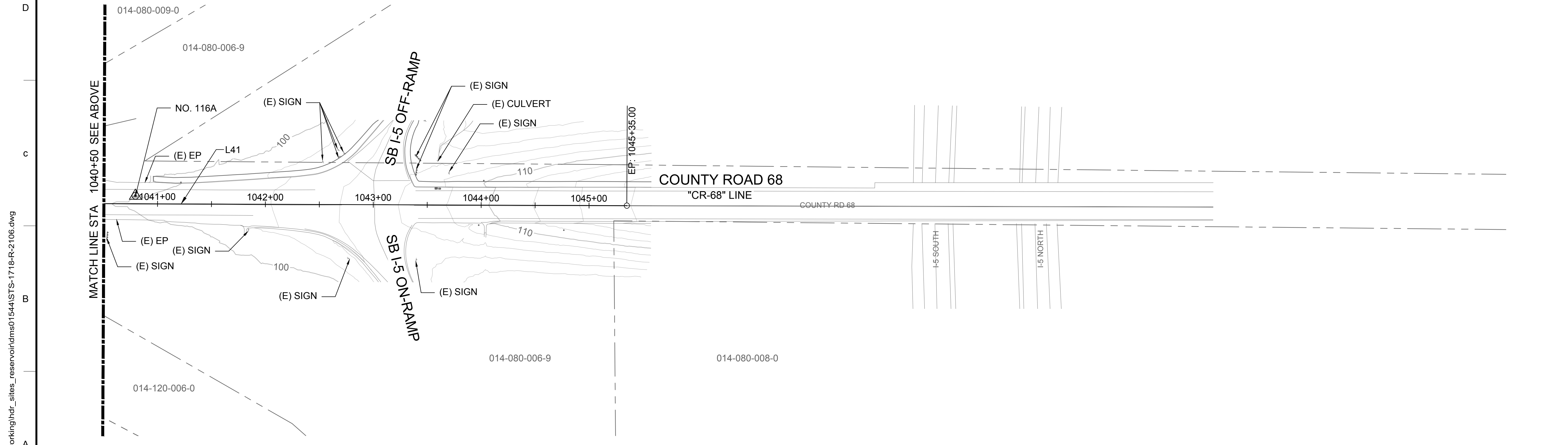
**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 COUNTY ROAD 68  
 PLAN

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
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 1"  
 DRAWING NO.  
 STS-1718-R-2105  
 SHT OF

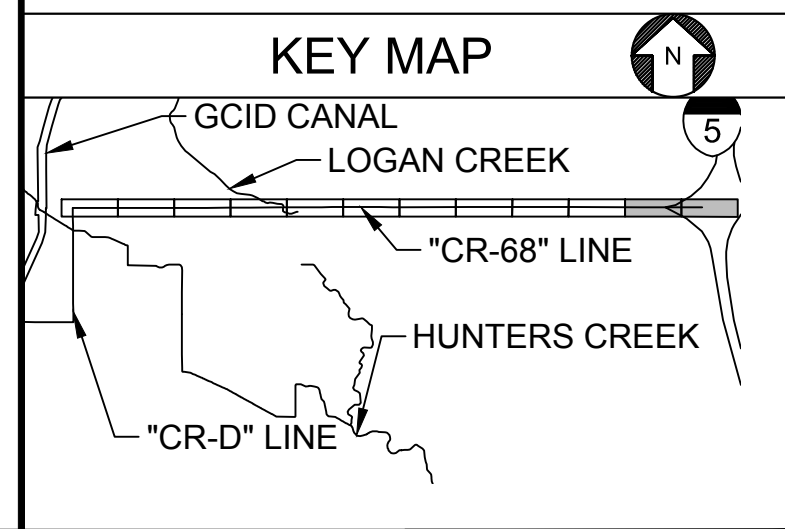
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN  
HORIZ SCALE: 1" = 50'



PLAN  
HORIZ SCALE: 1" = 50'



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 Plot Date: 3/20/2024 5:53 PM  
 Saved By: LYNDA, NITKA

DESIGNED BY:	R. VALDEZ
DRAWN BY:	E. KRİKORIAN
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

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

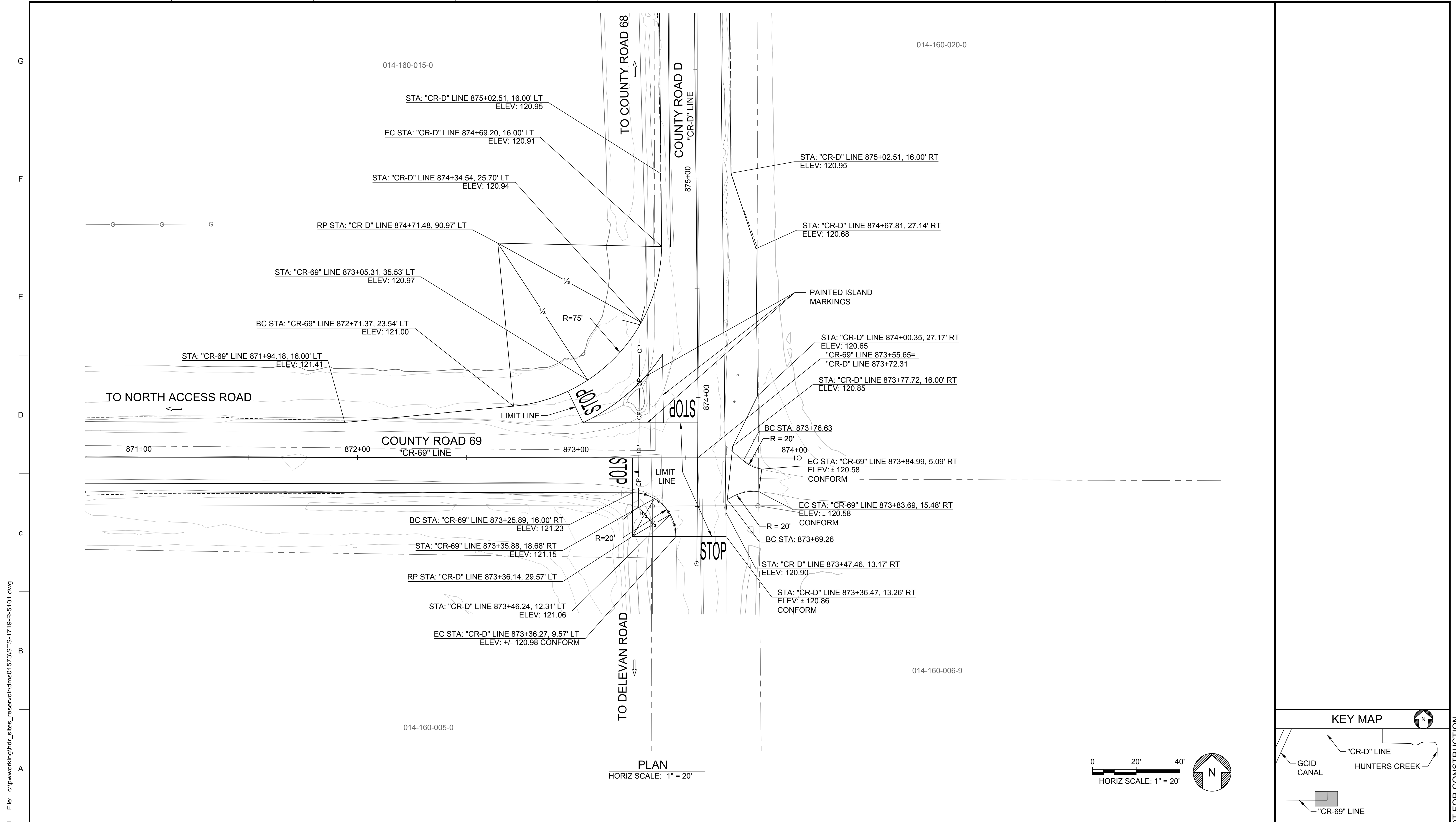
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTOLERO  
 C78231  
 CALIFORNIA



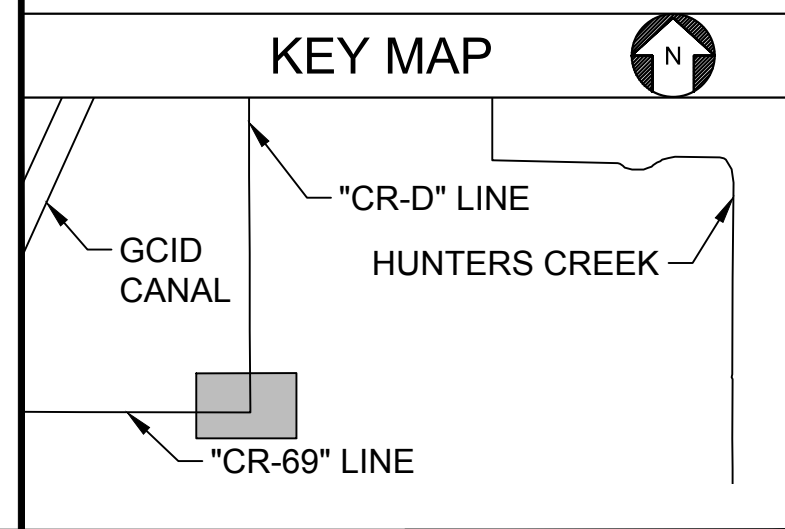
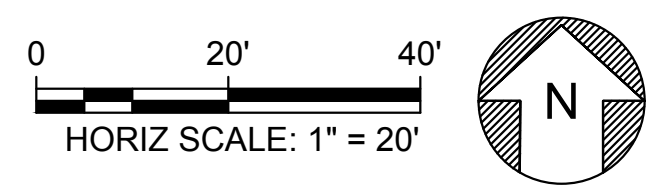
**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 COUNTY ROAD 68  
 PLAN

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO.	STS-1718-R-2106
SHT	OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN  
HORIZ SCALE: 1" = 20'



Plot Date: 3/21/2024 9:27 AM  
 Saved By: LYNDIA NITKA  
 File: c:\pwworking\hdr\_sites\_reservoir\dwgs\01573\STS-1719-R-5101.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	R. VALDEZ
DRAWN BY:	L. NITKA
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24



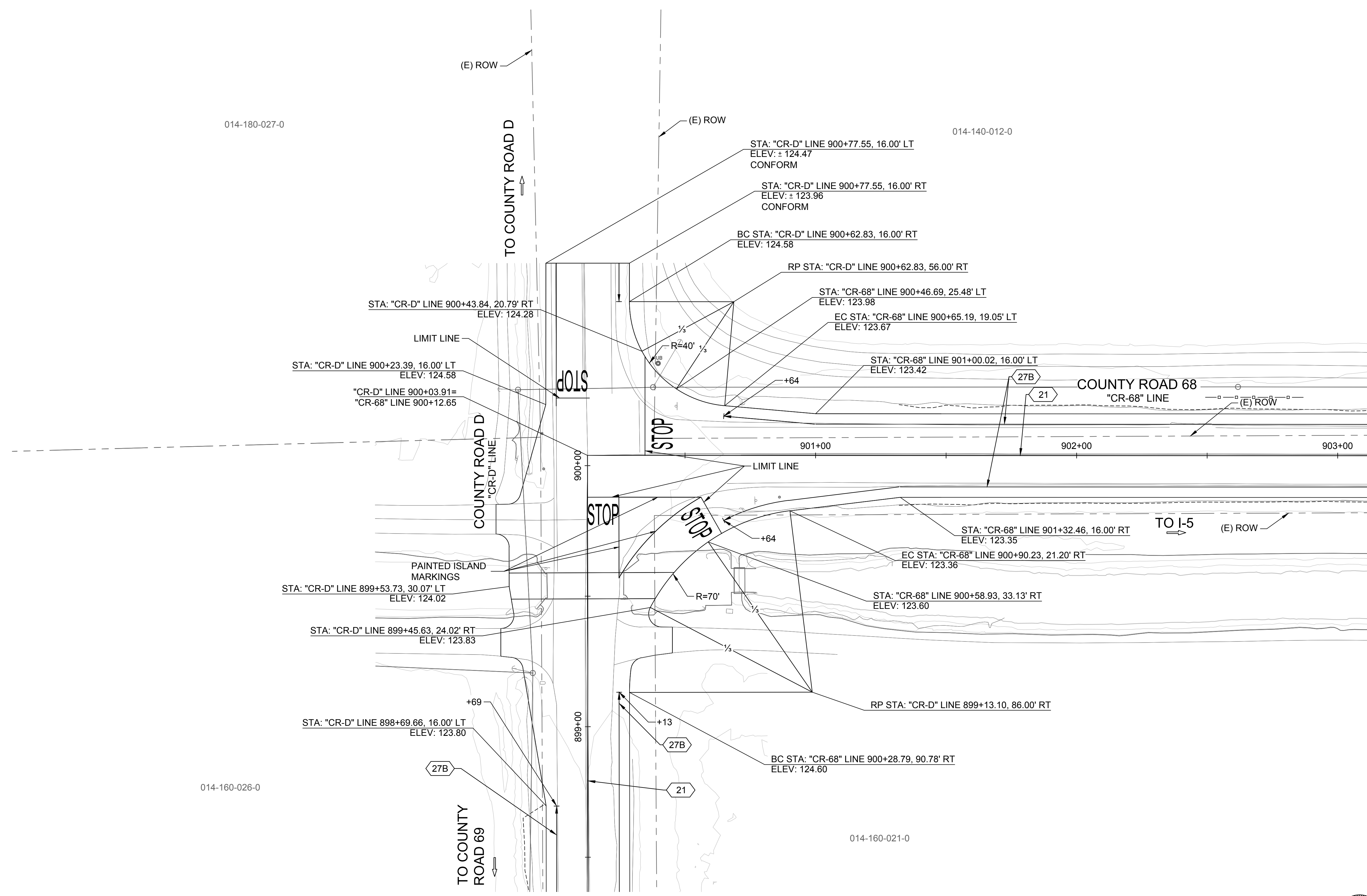
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA



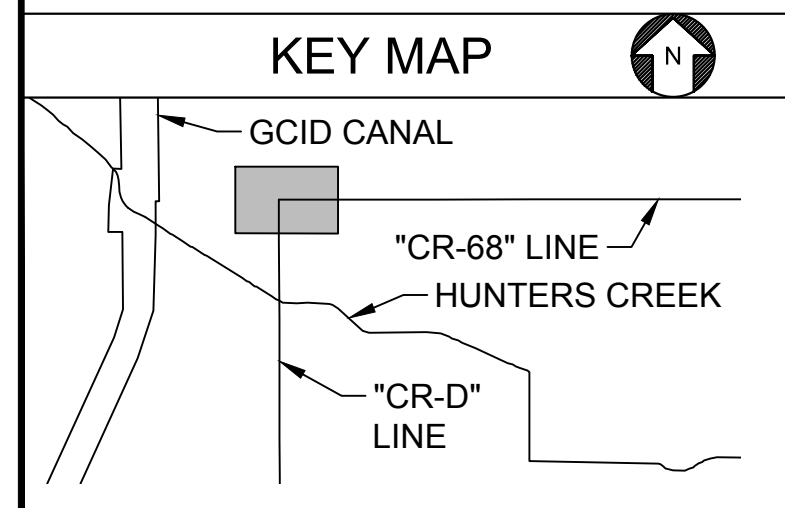
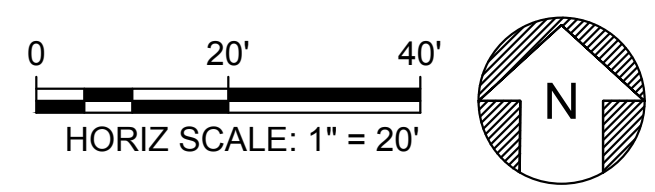
**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 COUNTY ROAD 69/COUNTY ROAD D  
 CONSTRUCTION DETAIL

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
	0 20 40 HORIZ SCALE: 1" = 20'
DRAWING NO.	STS-1719-R-5101
SHT	OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN  
HORIZ SCALE: 1" = 20'



Plot Date: 3/21/2024 9:27 AM  
 Saved By: LYNDA, NITKA  
 File: c:\pwworking\hdr\_sites\_reservoir\dmso1548\STS-1719-R-5102.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: R. VALDEZ  
 DRAWN BY: L. NITKA  
 CHECKED BY: A. GLEN  
 IN CHARGE: H. MICHAEL  
 DATE: 03/15/24



REGISTERED PROFESSIONAL ENGINEER  
 V. DOCTOLERO  
 C78231  
 CALIFORNIA

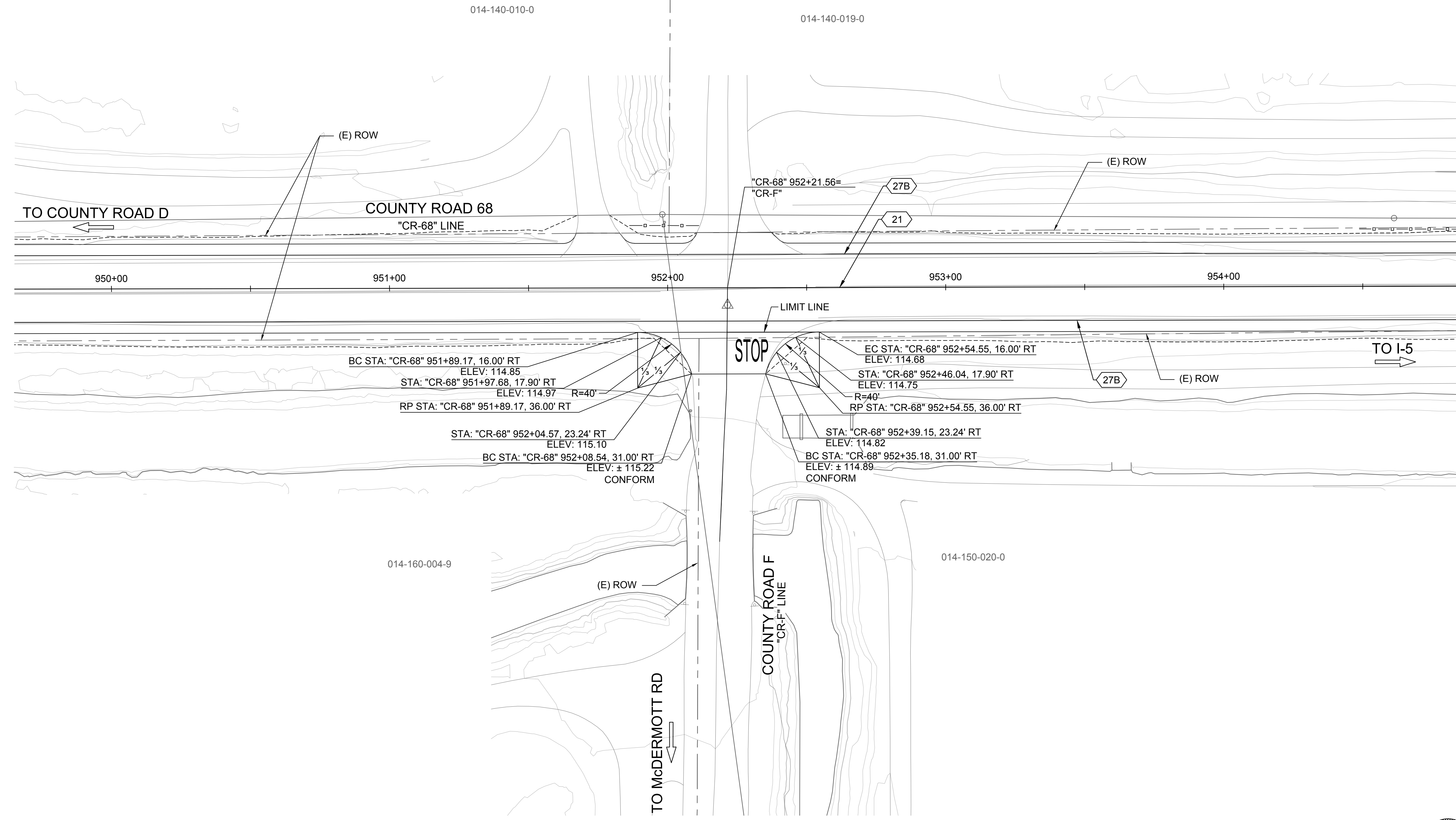


**SITES RESERVOIR**  
 SITES RESERVOIR ROADWAY  
 COUNTY ROAD D/COUNTY ROAD 68  
 CONSTRUCTION DETAIL

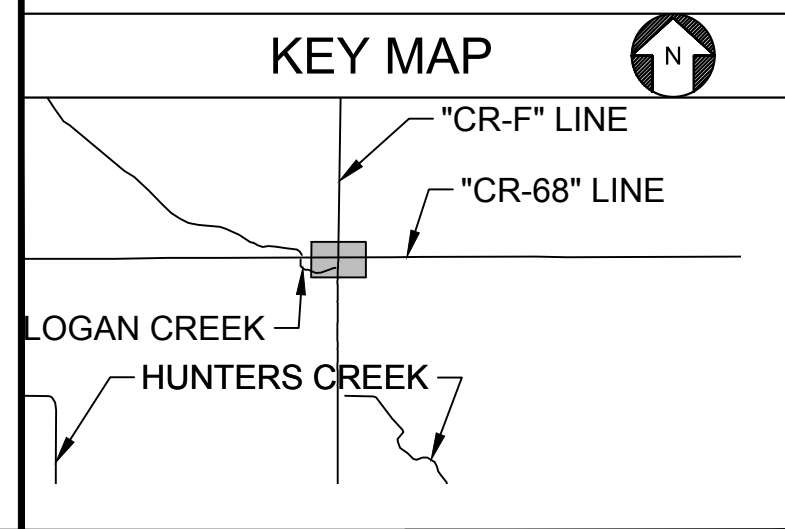
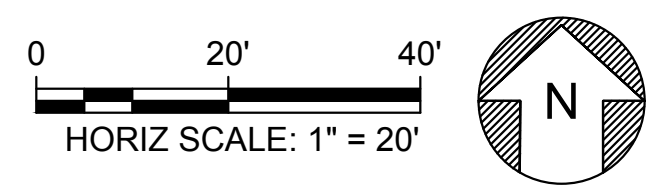
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 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
 0 1" 1"  
 DRAWING NO. STS-1719-R-5102  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION





PLAN  
HORIZ SCALE: 1" = 20'



Plot Date: 3/19/2024 2:54 PM  
 Saved By: VALDEZ  
 File: C:\pwworking\hdr\_sites\_reservoir\dms01541\STS-1719-R-5103.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

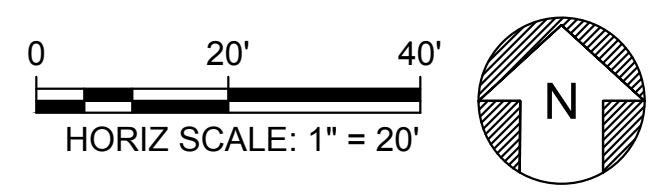
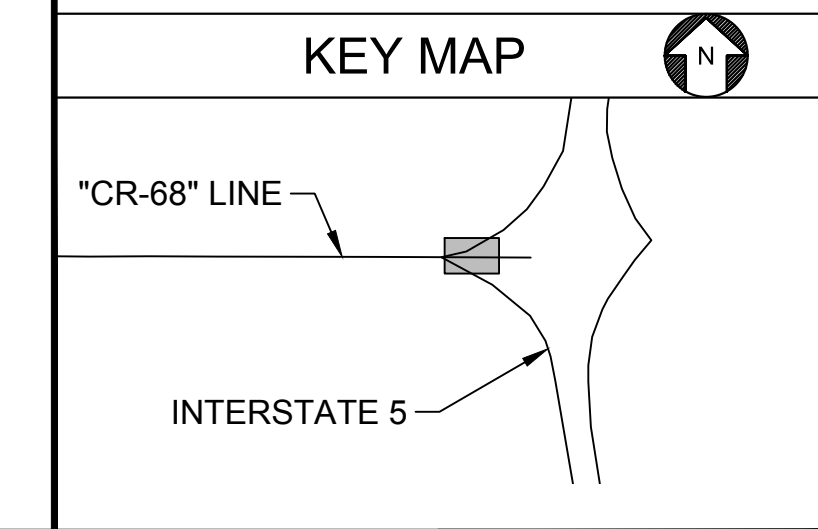
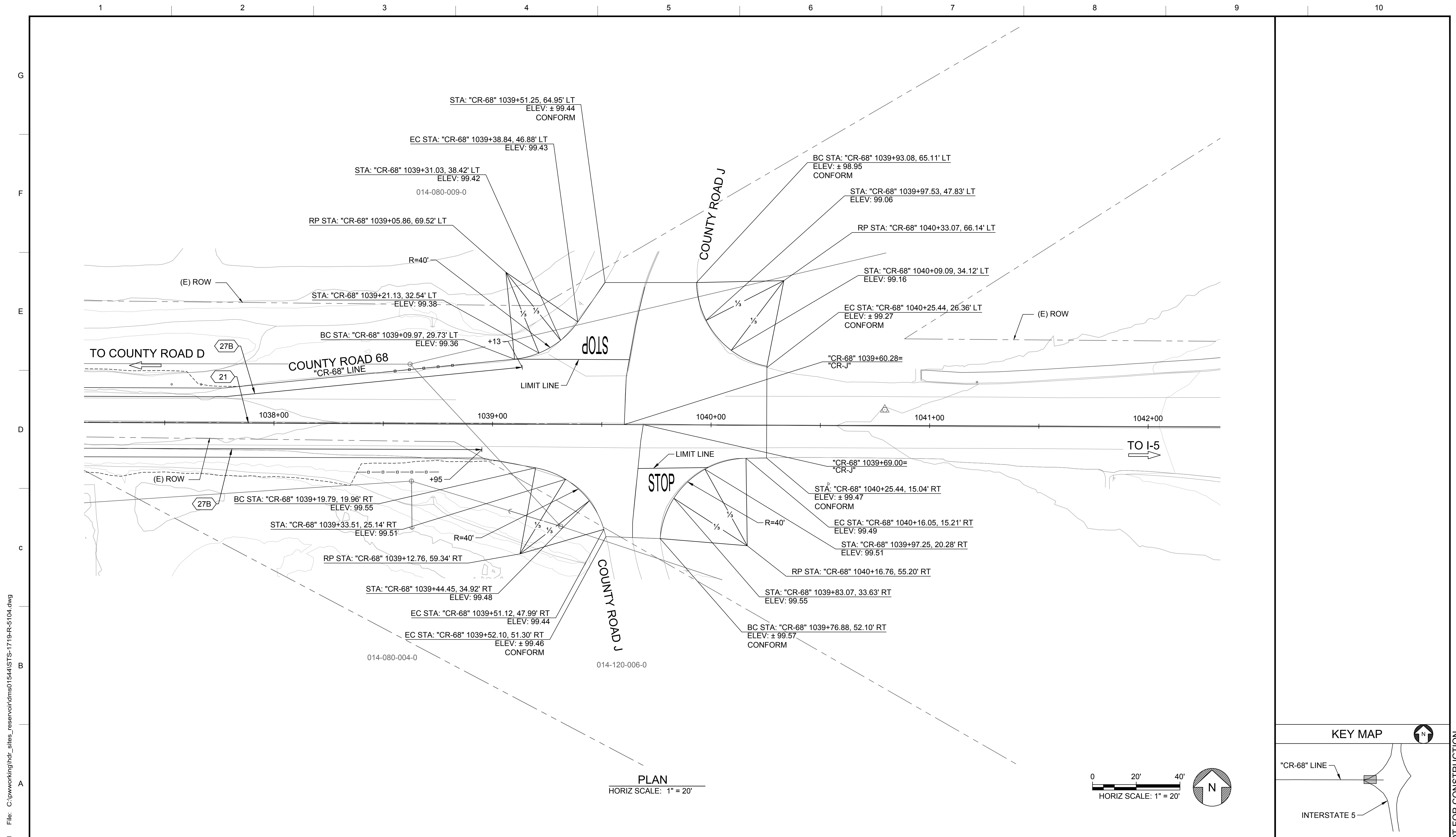
DESIGNED BY:	R. VALDEZ
DRAWN BY:	L. NITKA
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA

SITES RESERVOIR  
 SITES RESERVOIR  
 ROADWAY  
 COUNTY ROAD 68/COUNTY ROAD F  
 CONSTRUCTION DETAIL

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO.	STS-1719-R-5103
SHT	OF

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Plot Date: 3/19/2024 4:38 PM  
 Saved By: VALDEZ  
 File: C:\pwworking\hdx\_sitas\_reservoir\dms01544\STS-1719-R-5104.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
 R. VALDEZ  
 DRAWN BY:  
 L. NITKA  
 CHECKED BY:  
 A. GLEN  
 IN CHARGE:  
 H. MICHAEL  
 DATE:  
 03/15/24



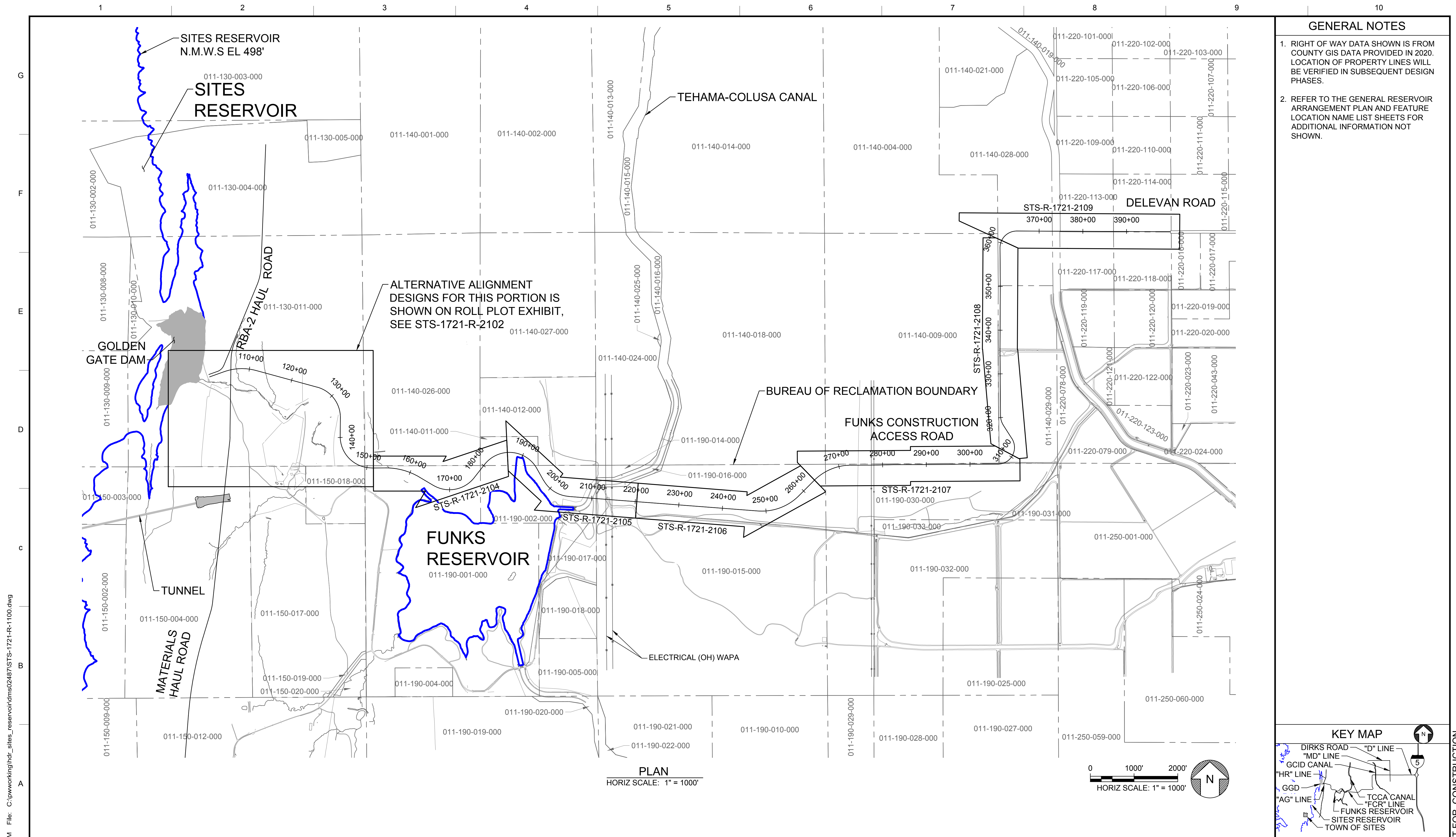
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTOLERO  
 C78231  
 CALIFORNIA



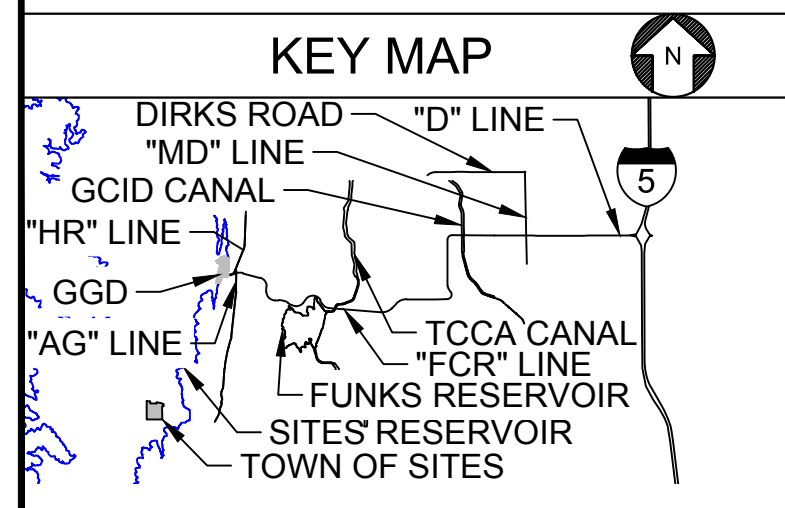
**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 COUNTY ROAD 68/I-5  
 CONSTRUCTION DETAIL

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
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 DRAWING NO.  
 STS-1719-R-5104  
 SHT OF

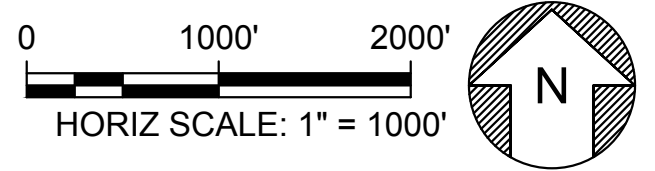
30% SUBMITTAL - NOT FOR CONSTRUCTION



- GENERAL NOTES**
1. RIGHT OF WAY DATA SHOWN IS FROM COUNTY GIS DATA PROVIDED IN 2020. LOCATION OF PROPERTY LINES WILL BE VERIFIED IN SUBSEQUENT DESIGN PHASES.
  2. REFER TO THE GENERAL RESERVOIR ARRANGEMENT PLAN AND FEATURE LOCATION NAME LIST SHEETS FOR ADDITIONAL INFORMATION NOT SHOWN.



**PLAN**  
HORIZ SCALE: 1" = 1000'



Plot Date: 3/25/2024 10:08 AM File: C:\pwworking\hdc\_sites\_reservoir\dms02487\STS-1721-R-1100.dwg Saved By: SMITHE13

DESIGNED BY:	K. TRAN
DRAWN BY:	E. SMITH
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24



REGISTERED PROFESSIONAL ENGINEER  
V. DOCTOLERO  
C78231  
CALIFORNIA



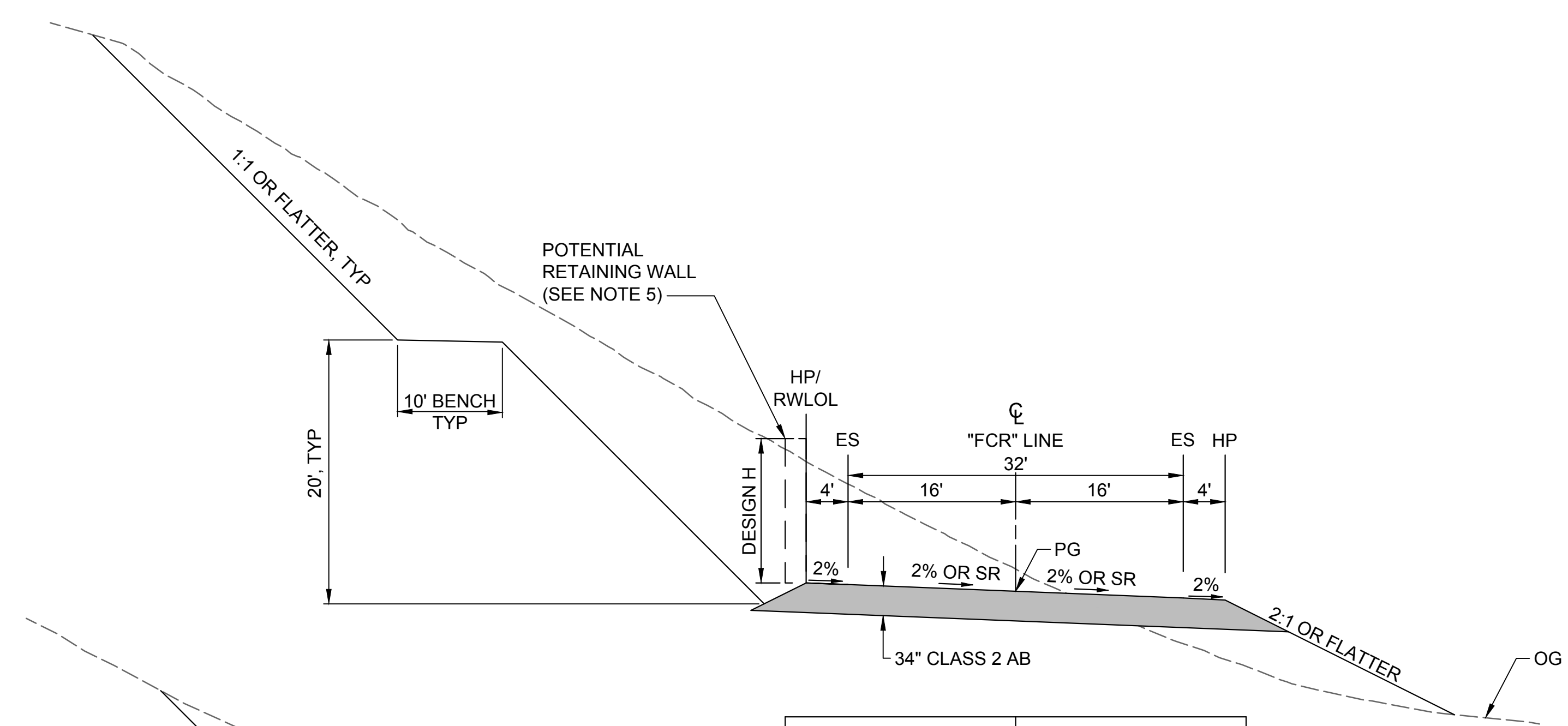
**SITES RESERVOIR**  
SITES RESERVOIR ROADWAY  
FUNKS CONSTRUCTION ACCESS ROAD  
KEY MAP INDEX

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
DRAWING NO.  
STS-1721-R-1100  
SHT OF

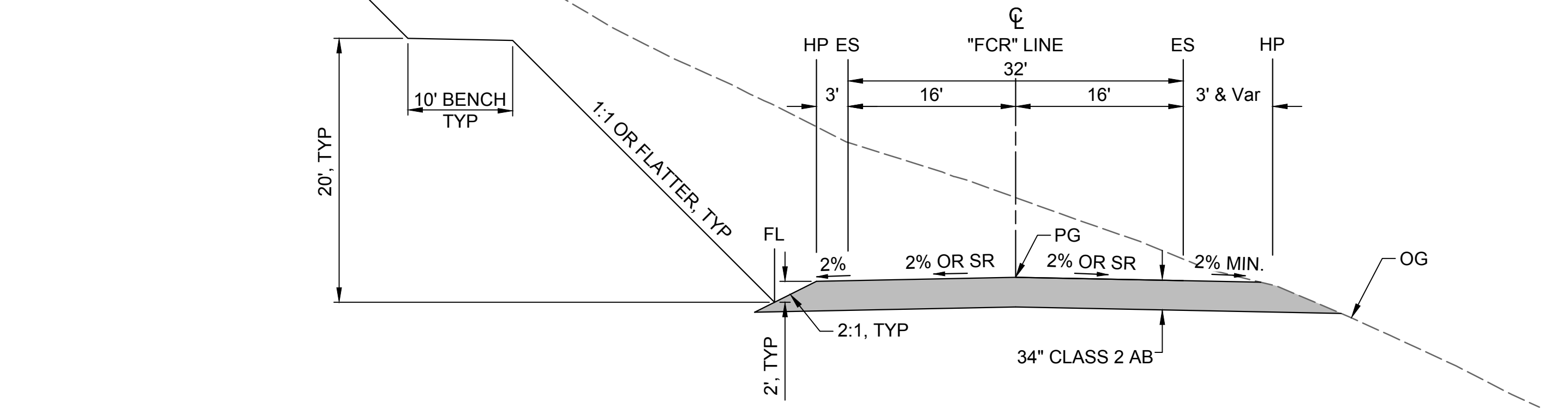
30% SUBMITTAL - NOT FOR CONSTRUCTION

**GENERAL NOTES**

1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE CALTRANS STANDARD SPECIFICATIONS. PAVEMENT STRUCTURAL SECTIONS ARE PENDING GEOTECHNICAL INVESTIGATIONS.
2. SUPERELEVATION RATES ARE SHOWN ON THE SUPERELEVATION DIAGRAMS. REFER TO THE PROFILE AND SUPERELEVATION SHEETS.
3. REFER TO THE ROADWAY PLAN AND CONSTRUCTION DETAIL SHEETS FOR ADDITIONAL INFORMATION NOT SHOWN.
4. PAVEMENT STRUCTURAL SECTION TO BE CONSTRUCTED ON COMPACTED NATIVE MATERIAL.
5. GEOTECHNICAL INFORMATION AND FIELD INVESTIGATIONS NEEDED TO DETERMINE CUT AND FILL SLOPES, AND RETAINING WALL LIMITS. POTENTIAL RETAINING WALL PLACEMENT IS PRELIMINARY. SEE LAYOUT PLANS FOR APPROXIMATE LIMITS.



FROM	TO
157+06.67	162+63.24



FROM	TO
162+63.24	166+57.47
195+75.00	197+00.00
198+50.00	200+00.00
209+00.00	209+50.00
247+50.00	252+00.00
276+00.00	277+50.00
307+50.00	311+50.00
348+50.00	350+00.00
360+50.00	365+50.00
399+00.00	399+95.39

"FCR" LINE  
HORIZ SCALE: NO SCALE

Plot Date: 3/22/2024 11:55 AM  
Saved By: JUSTIN CHANZ  
File: C:\pwworking\hdr\_sites\_reservoir\dmso2487\STS-1721-R-1101.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
K. TRAN  
DRAWN BY:  
L. NITKA  
CHECKED BY:  
A. GLEN  
IN CHARGE:  
H. MICHAEL  
DATE:  
03/15/24



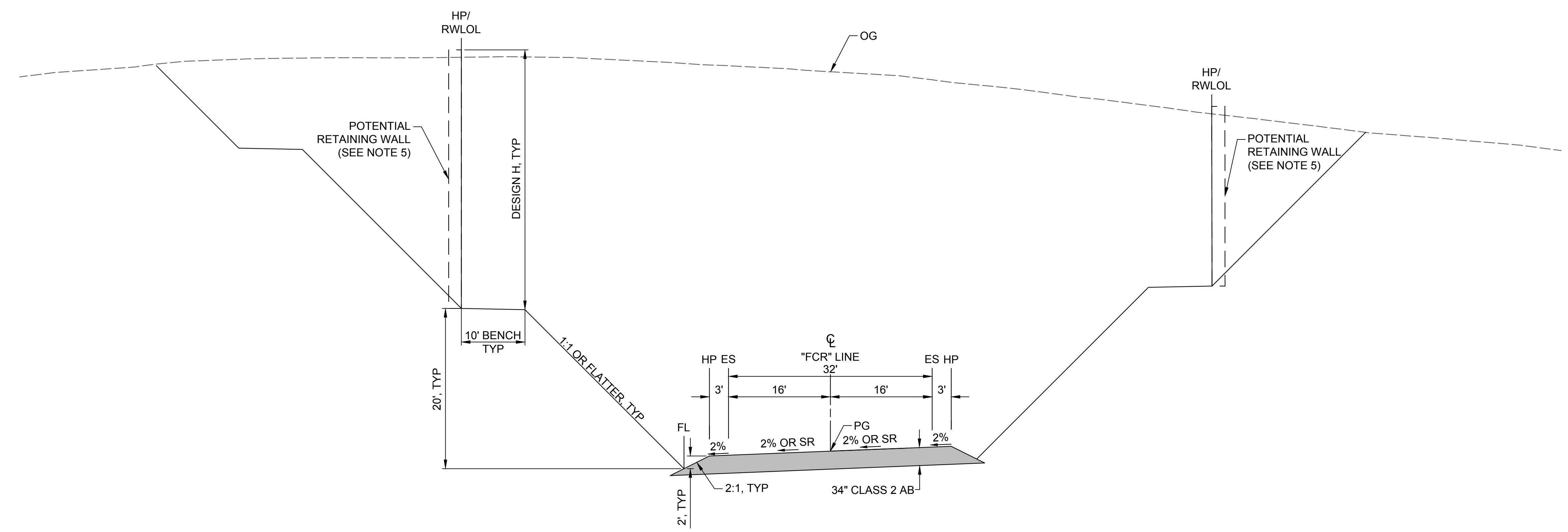
REGISTERED PROFESSIONAL ENGINEER  
V. DOCTOLERO  
C78231  
CALIFORNIA



**SITES RESERVOIR**  
SITES RESERVOIR ROADWAY  
FUNKS CONSTRUCTION ACCESS ROAD  
TYPICAL SECTIONS

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS. 0 1"
DRAWING NO. STS-1721-R-1101 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



FROM	TO
166+57.47	172+50.00
182+50.00	187+50.00
200+50.00	209+00.00
220+25.00	227+75.00
229+25.00	234+25.00
242+50.00	247+50.00
255+50.00	266+50.00
353+00.00	355+00.00
365+50.00	369+00.00

"FCR" LINE  
HORIZ SCALE: NO SCALE

Plot Date: 3/22/2024 11:55 AM  
Saved By: JUSTIN CHANZ  
File: C:\pwworking\hdr\_sites\_reservoir\dms02487\STS-1721-R-1102.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
K. TRAN  
DRAWN BY:  
L. NITKA  
CHECKED BY:  
A. GLEN  
IN CHARGE:  
H. MICHAEL  
DATE:  
03/15/24



REGISTERED  
PROFESSIONAL  
ENGINEER  
V. DOCTOLERO  
C78231  
CALIFORNIA



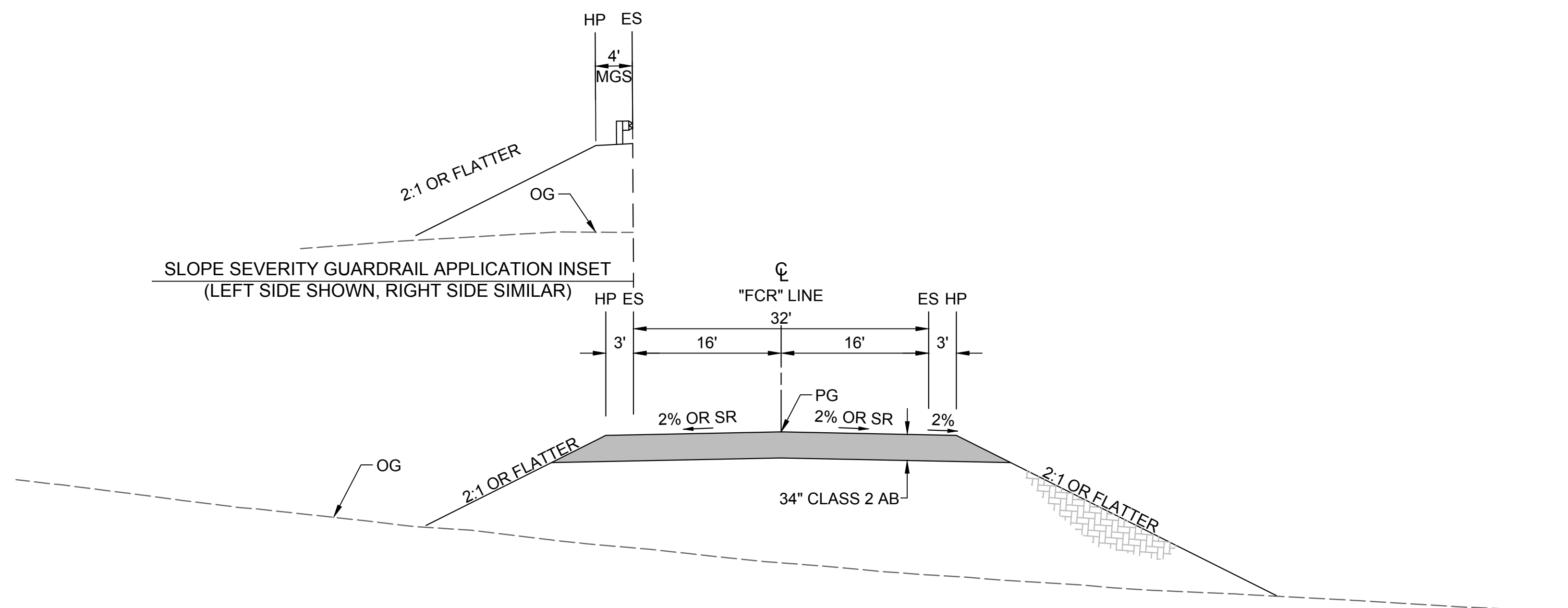
SITES RESERVOIR  
SITES RESERVOIR  
ROADWAY  
FUNKS CONSTRUCTION ACCESS ROAD  
TYPICAL SECTIONS

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL  
DRAWING. ADJUST SCALES FOR  
REDUCED PLOTS  
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STS-1721-R-1102  
SHT OF

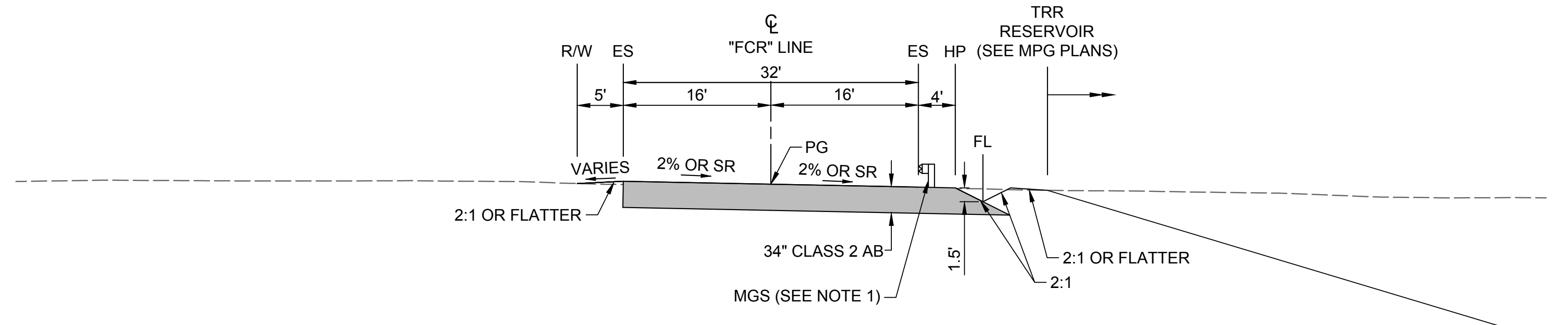
30% SUBMITTAL - NOT FOR CONSTRUCTION

NOTES

1. COORDINATION FOR BARRIER RAILING AND/OR FACILITY FENCING FOR THE TRR FACILITY TO BE COMPLETED AT A LATER DESIGN PHASE.



FROM	TO
172+50.00	182+50.00
187+50.00	195+75.00
197+00.00	198+50.00
209+50.00	220+25.00
227+75.00	229+25.00
234+25.00	242+50.00
252+00.00	255+50.00
266+50.00	276+00.00
277+50.00	278+50.00
305+00.00	307+50.00
311+50.00	348+50.00
350+00.00	353+00.00
355+00.00	360+50.00
369+00.00	399+00.00



FROM	TO
278+50.00	305+00.00

"FCR" LINE  
HORIZ SCALE: NO SCALE

Plot Date: 3/22/2024 11:55 AM File: C:\pwworking\hdr\_sites\_reservoir\dms02487\STS-1721-R-1103.dwg Saved By: JUSTIN, CHANZ

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: K. TRAN  
 DRAWN BY: L. NITKA  
 CHECKED BY: A. GLEN  
 IN CHARGE: H. MICHAEL  
 DATE: 03/15/24



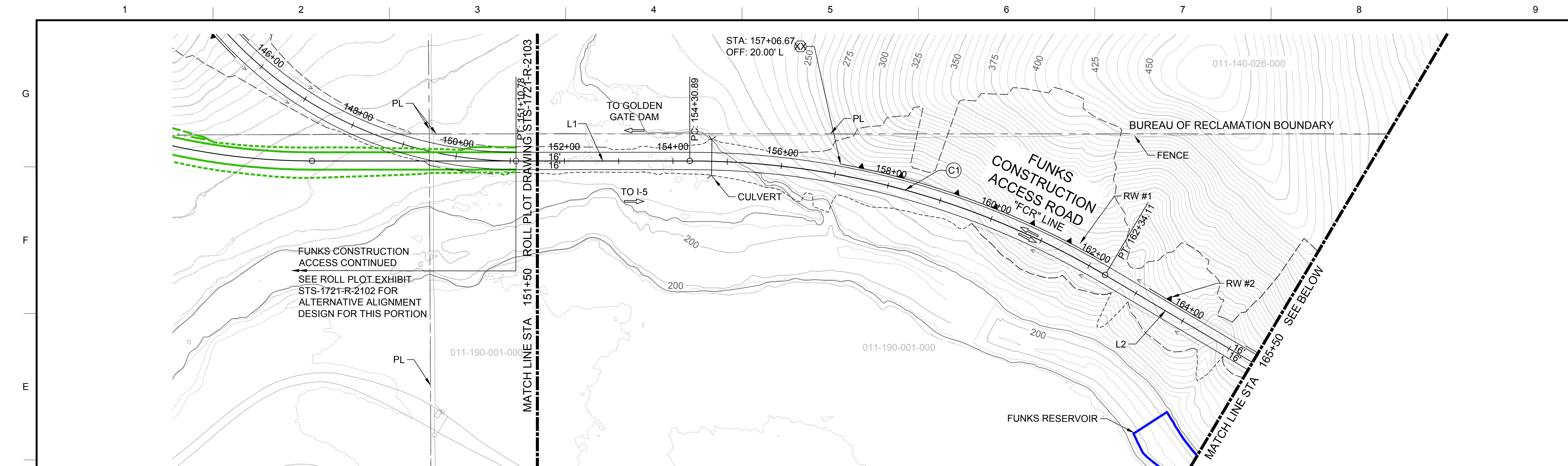
REGISTERED PROFESSIONAL ENGINEER  
 V. DOCTOLERO  
 C78231  
 CALIFORNIA



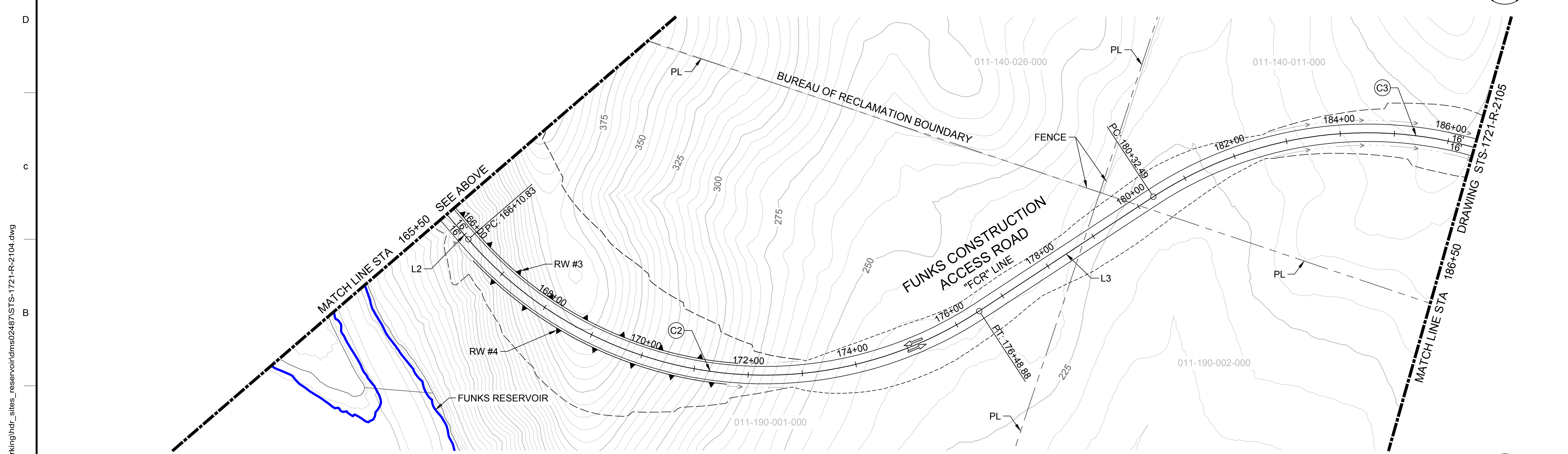
**SITES RESERVOIR**  
 SITES RESERVOIR ROADWAY  
 FUNKS CONSTRUCTION ACCESS ROAD  
 TYPICAL SECTIONS

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
 0 1"  
 DRAWING NO. STS-1721-R-1103  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



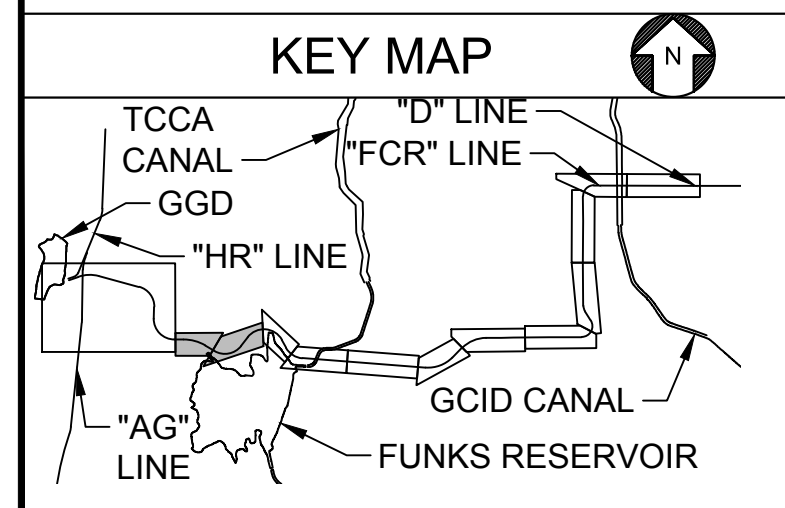
PLAN  
HORIZ SCALE: 1" = 100'



PLAN  
HORIZ SCALE: 1" = 100'

- ### GENERAL NOTES
- FOR EXISTING ELEMENTS TO BE REMOVED, ABANDONED OR RESET, REFER TO THE DEMOLITION SHEETS. THESE WILL BE DEVELOPED IN A LATER DESIGN PHASE.
  - RIGHT OF WAY DATA SHOWN IS FROM COUNTY GIS DATA PROVIDED IN 2020.
  - REFER TO CONSTRUCTION DETAIL SHEETS FOR ADDITIONAL INFORMATION NOT SHOWN.
  - GEOTECHNICAL INFORMATION AND FIELD INVESTIGATIONS NEEDED TO DETERMINE CUT AND FILL SLOPES, AND RETAINING WALL LIMITS. POTENTIAL AND RETAINING WALL PLACEMENT IS PRELIMINARY.
  - PROPOSED DRAINAGE CULVERTS, BOX CULVERTS, AND DITCHES ARE CONCEPTUAL FOR 30% DESIGN. HYDROLOGY AND HYDRAULICS ANALYSIS WILL BE PERFORMED IN A LATER DESIGN PHASE TO APPROPRIATELY SIZE FOR ROADWAY DRAINAGE AND CONVEYANCE.
  - FOR CURVE AND TANGENT ALIGNMENT DATA, REFER TO THE LINE AND CURVE GEOMETRY UNDER THE GENERAL PROJECT SHEETS WITH STS-0001-G-DESIGNATION.
  - THIS ROAD IS BEING DESIGNED IN COORDINATION WITH THE TRR FACILITIES AND CONTINUED COORDINATION IS NEEDED AS DESIGN PROGRESSES. THE CURRENT LAYOUT SHOWN MAY BE ADJUSTED BASED TO ACCOMMODATE THE TRR FACILITIES AS DESIGN IS FINALIZED IN SUBSEQUENT PHASES.

- ### SHEET KEY NOTES
- UTILITY RELOCATION TO BE COORDINATED WITH THE UTILITY OWNER IN A LATER DESIGN PHASE.
  - UNIDENTIFIED FEATURE DETERMINED FROM AERIAL SURVEY FIELD VERIFICATION OR SURVEY INFORMATION IS REQUIRED FOR PROPOSED DESIGN.
  - RECONSTRUCT DRIVEWAY OR FIELD ACCESS AND MAINTAIN ACCESS DURING CONSTRUCTION.
  - GUARD RAILING LIMITS SHOWN ARE PRELIMINARY AND WILL BE FURTHER EVALUATED AT A LATER DESIGN PHASE.



Plot Date: 3/21/2024 1:26 PM  
 Saved By: TRANK  
 File: C:\pwworking\hdr\_sites\_reservoir\dms02487\STS-1721-R-2104.dwg

DESIGNED BY:	K. TRAN
DRAWN BY:	R. VALDEZ
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24



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 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA

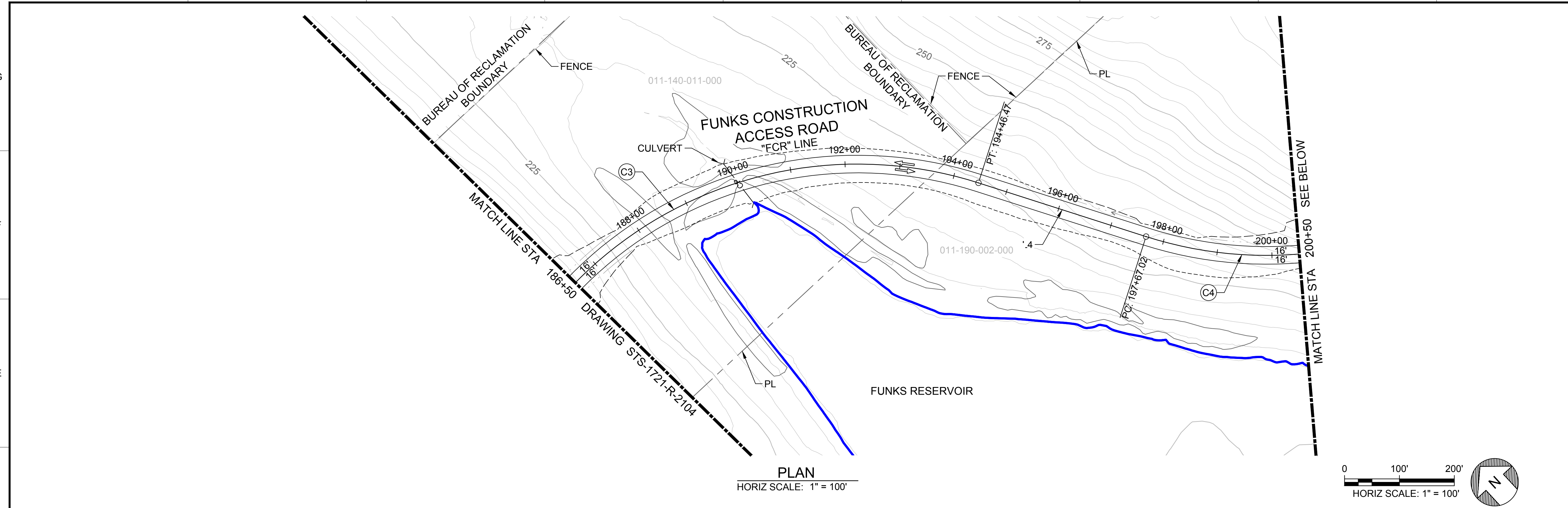


**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 FUNKS CONSTRUCTION ACCESS ROAD  
 PLAN

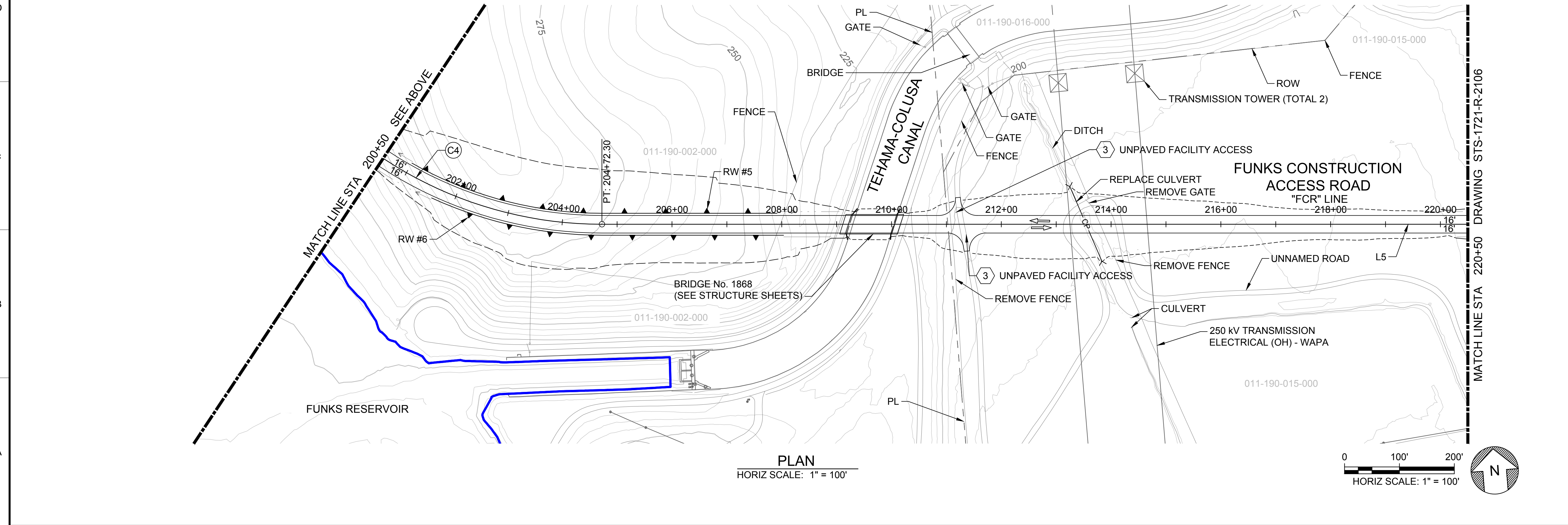
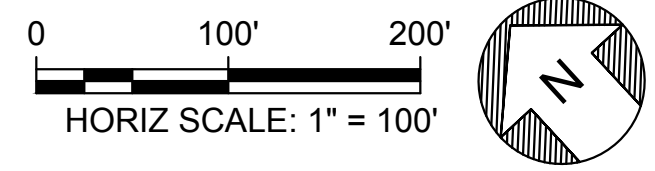
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 DRAWING NO.  
 STS-1721-R-2104  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

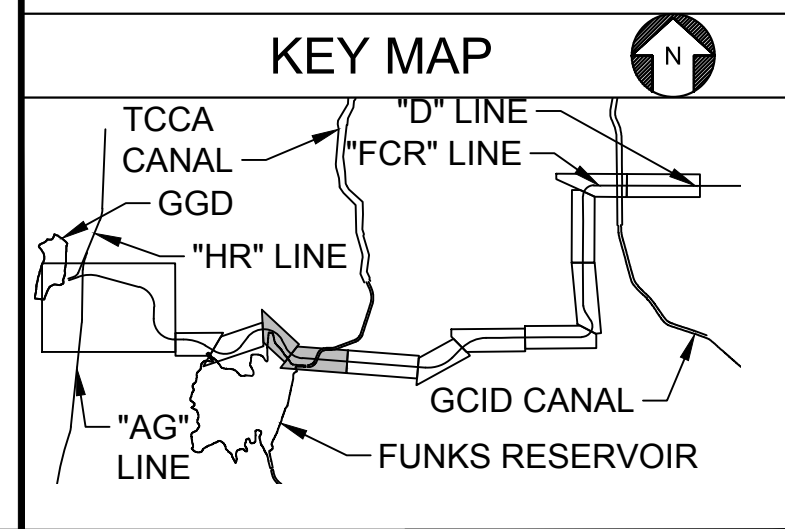
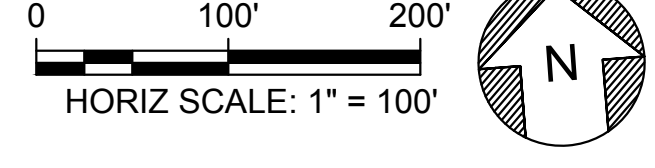
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PLAN  
 HORIZ SCALE: 1" = 100'



PLAN  
 HORIZ SCALE: 1" = 100'



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
K. TRAN  
 DRAWN BY:  
R. VALDEZ  
 CHECKED BY:  
A. GLEN  
 IN CHARGE:  
H. MICHAEL  
 DATE:  
03/15/24

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

REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA

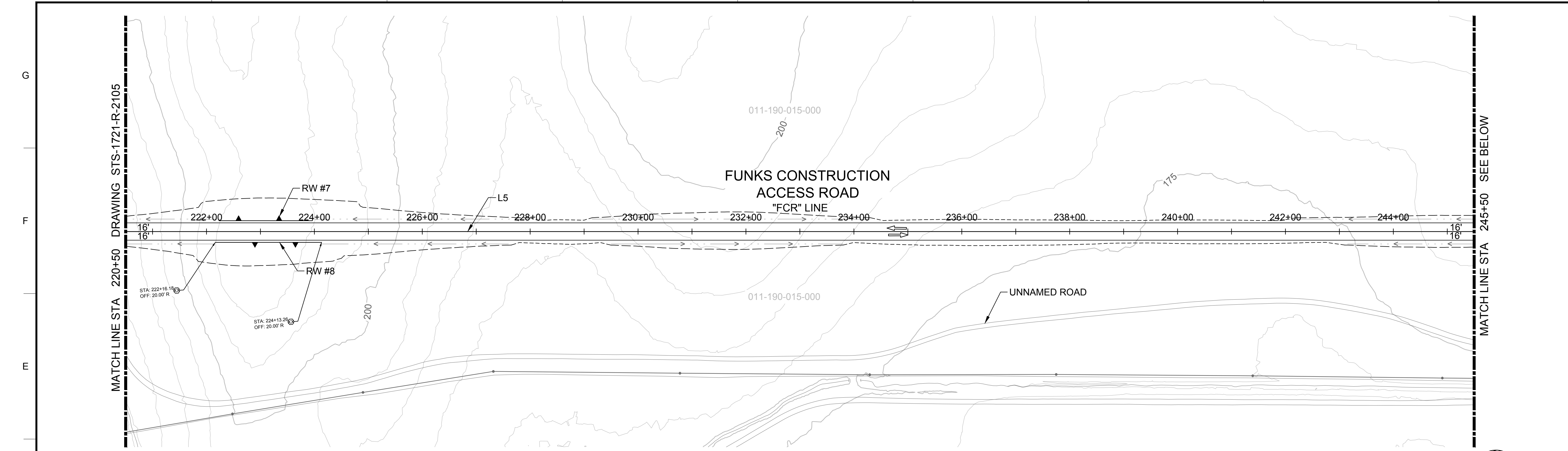


**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 FUNKS CONSTRUCTION ACCESS ROAD  
 PLAN

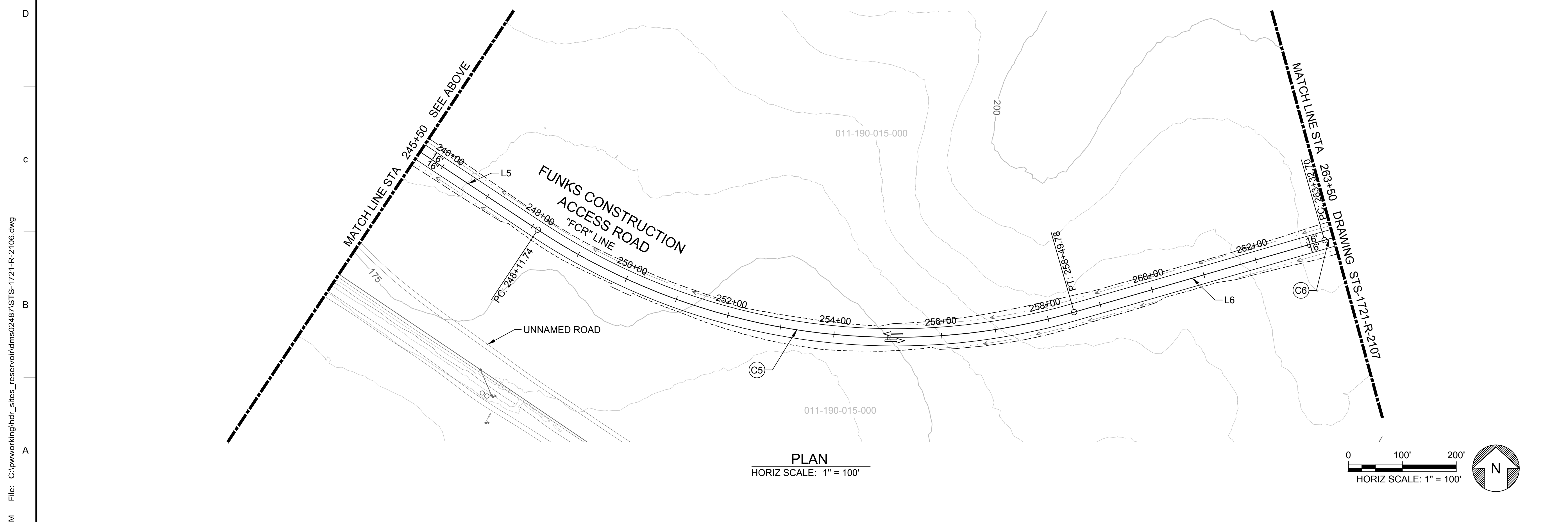
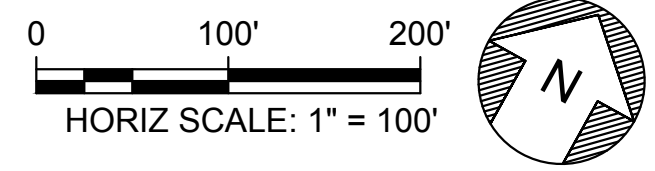
VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
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 DRAWING NO.  
 STS-1721-R-2105  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

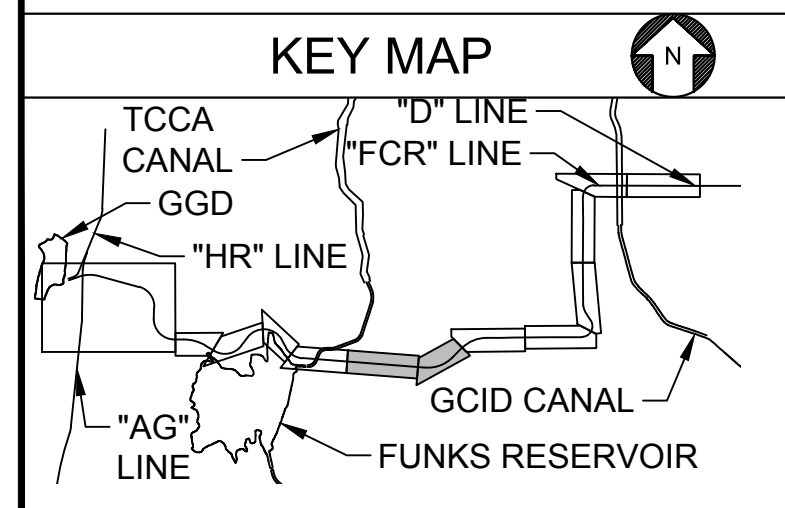
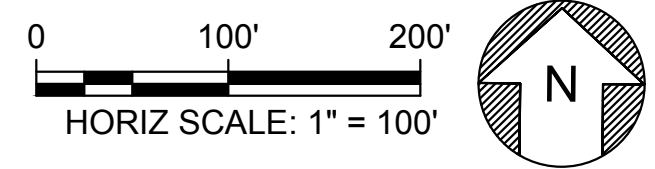




PLAN  
HORIZ SCALE: 1" = 100'



PLAN  
HORIZ SCALE: 1" = 100'



Plot Date: 3/21/2024 1:37 PM  
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REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	K. TRAN
DRAWN BY:	R. VALDEZ
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24

**AECOM**  
 2020 L Street, Suite 400  
 Sacramento, CA 95811  
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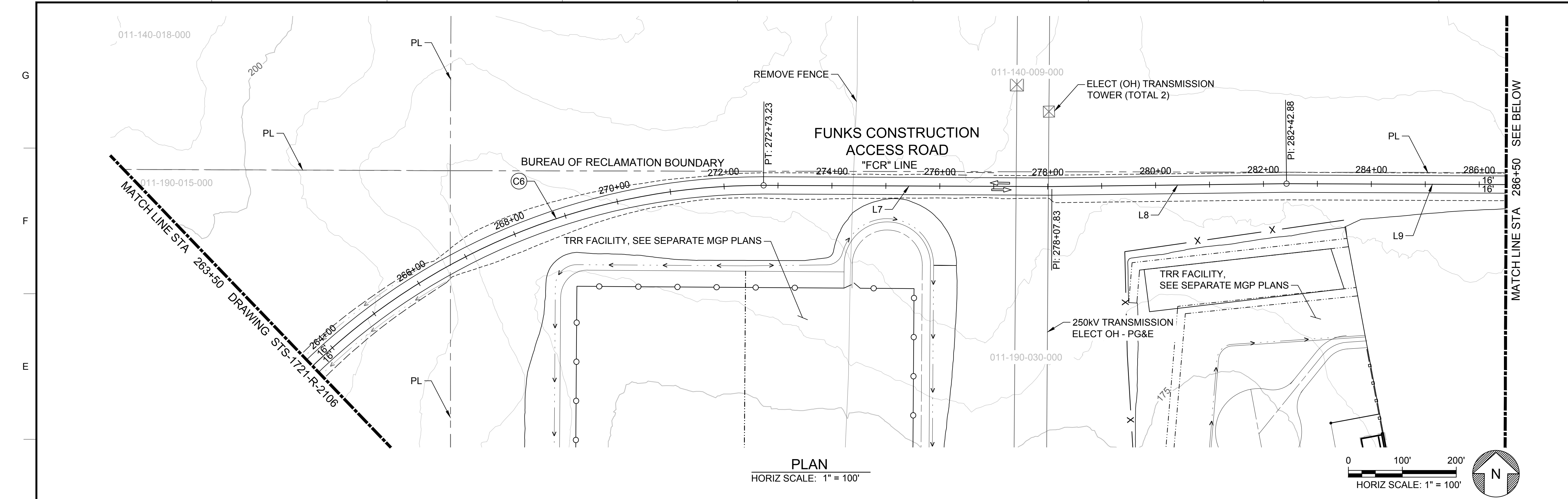
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 PROFESSIONAL  
 ENGINEER  
 V. DOCTORO  
 C78231  
 CALIFORNIA



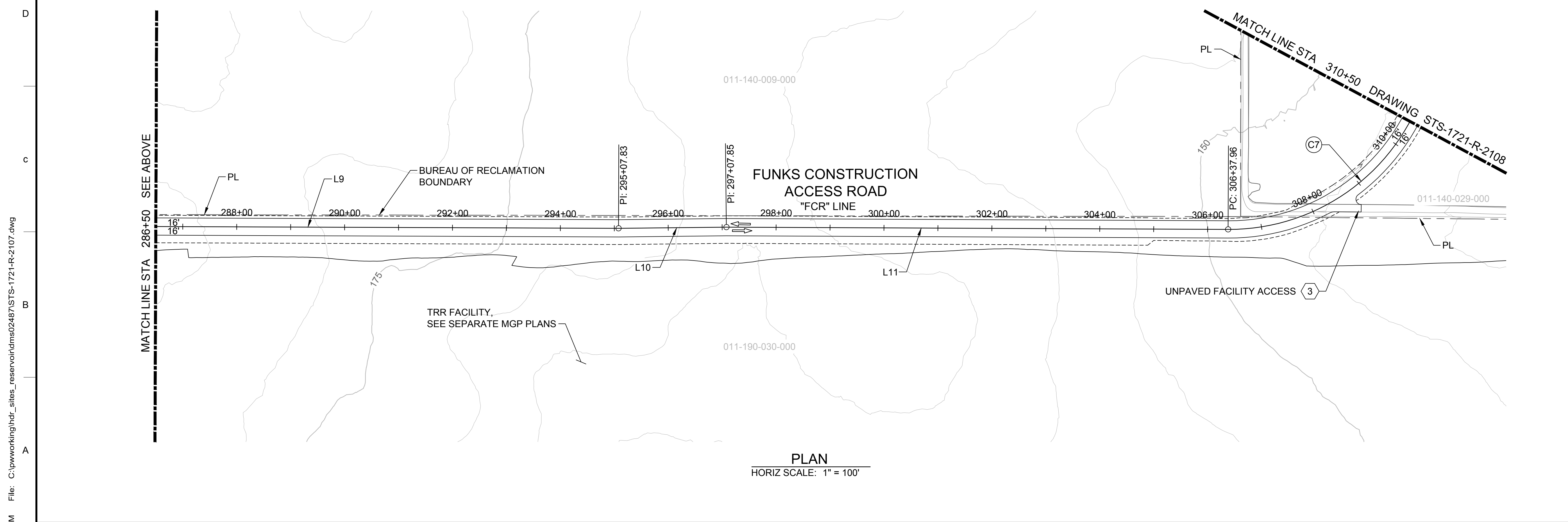
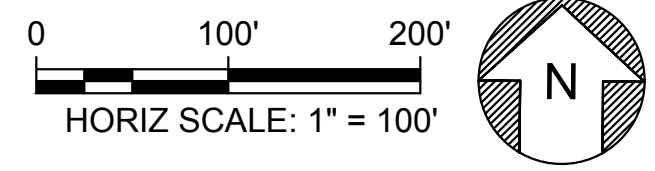
**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 FUNKS CONSTRUCTION ACCESS ROAD  
 PLAN

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO. STS-1721-R-2106
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



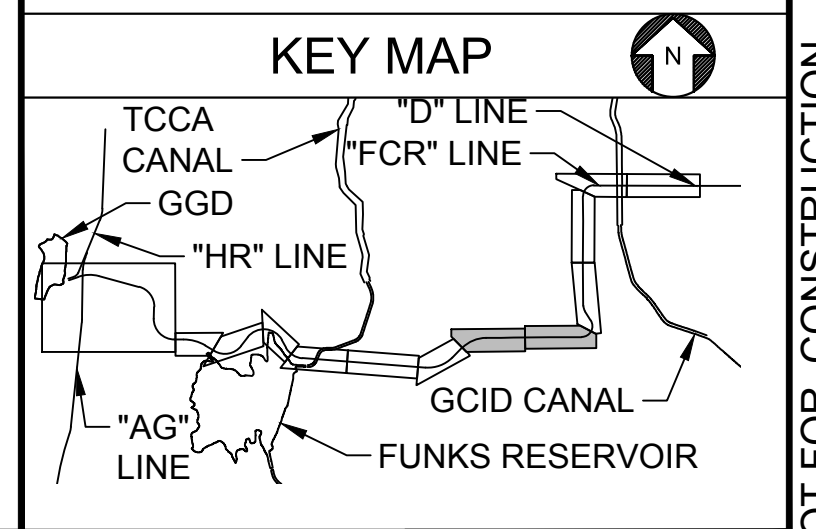
**PLAN**  
HORIZ SCALE: 1" = 100'



**PLAN**  
HORIZ SCALE: 1" = 100'

**NOTES**

1. FOR TERMINAL REGULATION RESERVOIR DETAILS NOT SHOWN, SEE MAXWELL-SITES PUMPING GENERATING SEPARATE PLANS.



Plot Date: 3/21/2024 2:37 PM  
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DESIGNED BY:	K. TRAN
DRAWN BY:	R. VALDEZ
CHECKED BY:	A. GLEN
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DATE:	03/15/24

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**SITES RESERVOIR**  
 SITES RESERVOIR  
 ROADWAY  
 FUNKS CONSTRUCTION ACCESS ROAD  
 PLAN

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
	0 100 1'
DRAWING NO.	STS-1721-R-2107
SHT	OF

30% SUBMITTAL - NOT FOR CONSTRUCTION