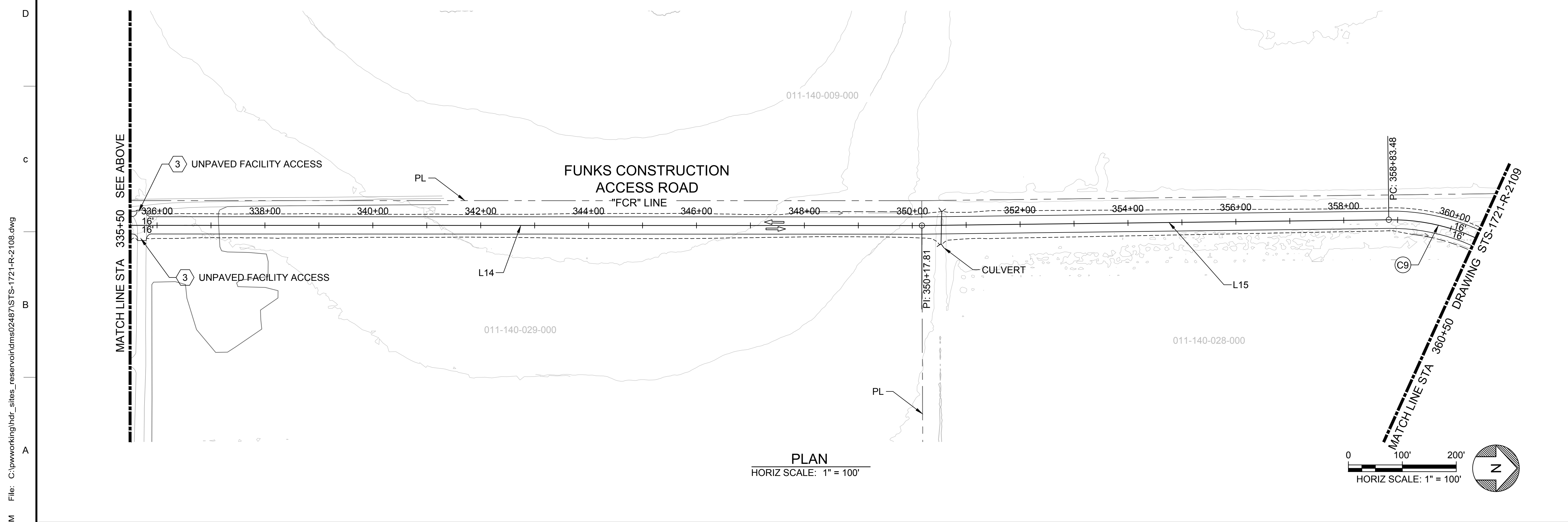
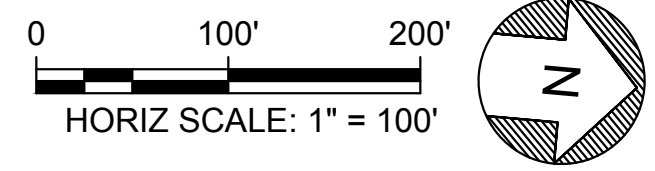
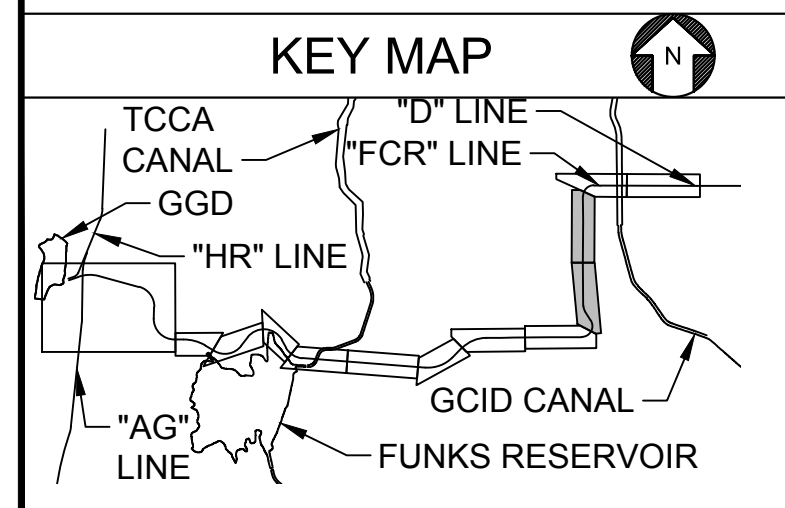
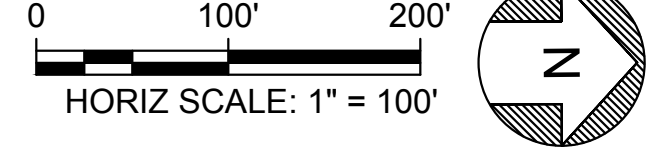


PLAN
HORIZ SCALE: 1" = 100'



PLAN
HORIZ SCALE: 1" = 100'



Plot Date: 3/21/2024 4:10 PM
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 File: C:\pwworking\hdr_sites_reservoir\dms02487\STS-1721-R-2108.dwg

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



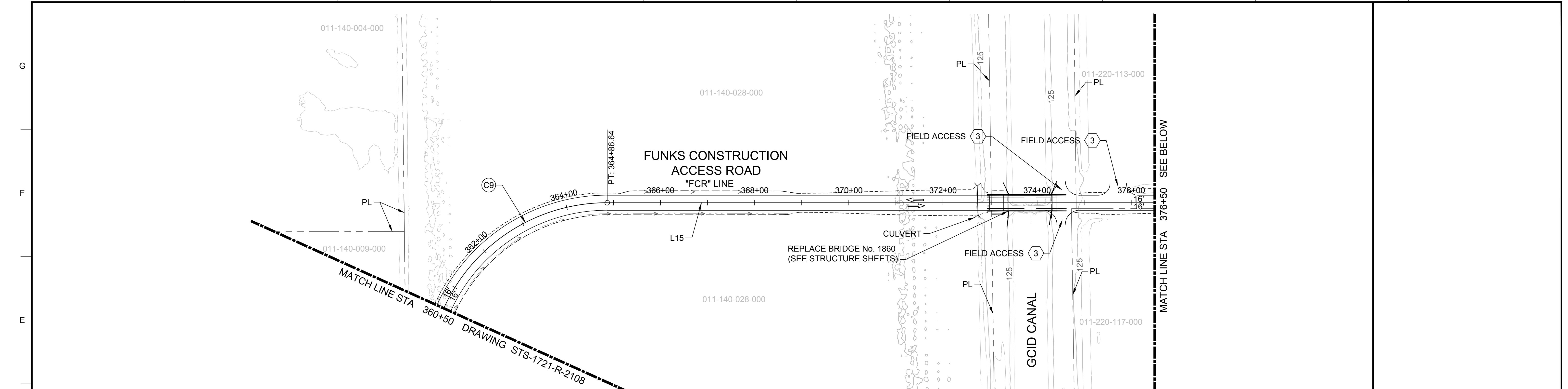
REGISTERED
 PROFESSIONAL
 ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



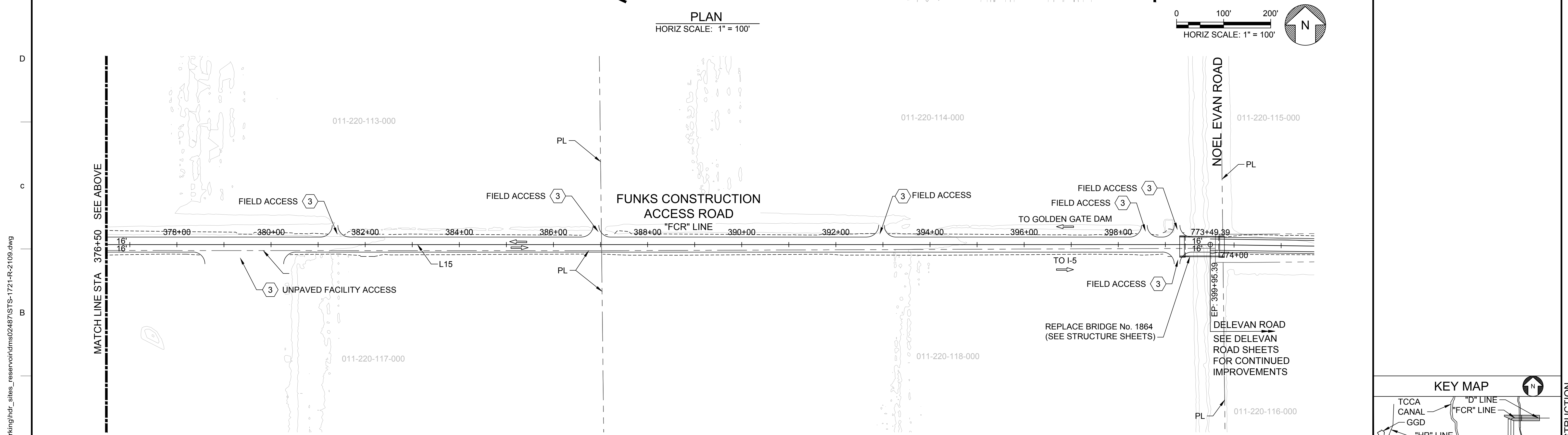
SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 FUNKS CONSTRUCTION ACCESS ROAD
 PLAN

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL
 DRAWING. ADJUST SCALES FOR
 REDUCED PLOTS
 0 100' 200' 1"
 DRAWING NO.
 STS-1721-R-2108
 SHT OF

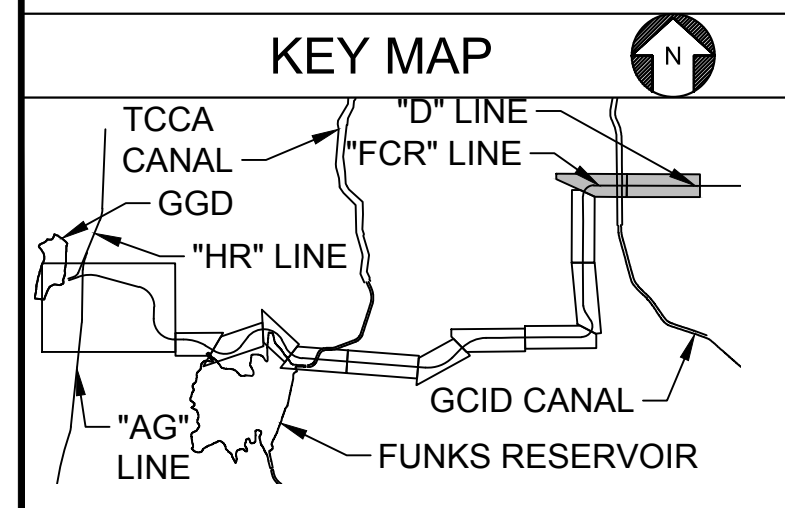
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PLAN
HORIZ SCALE: 1" = 100'



PLAN
HORIZ SCALE: 1" = 100'



Plot Date: 3/21/2024 2:00 PM
 Saved By: SMITHE13
 File: C:\pwworking\hdr_sites_reservoir\dmso2487\STS-1721-R-2109.dwg

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



REGISTERED
 PROFESSIONAL
 ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



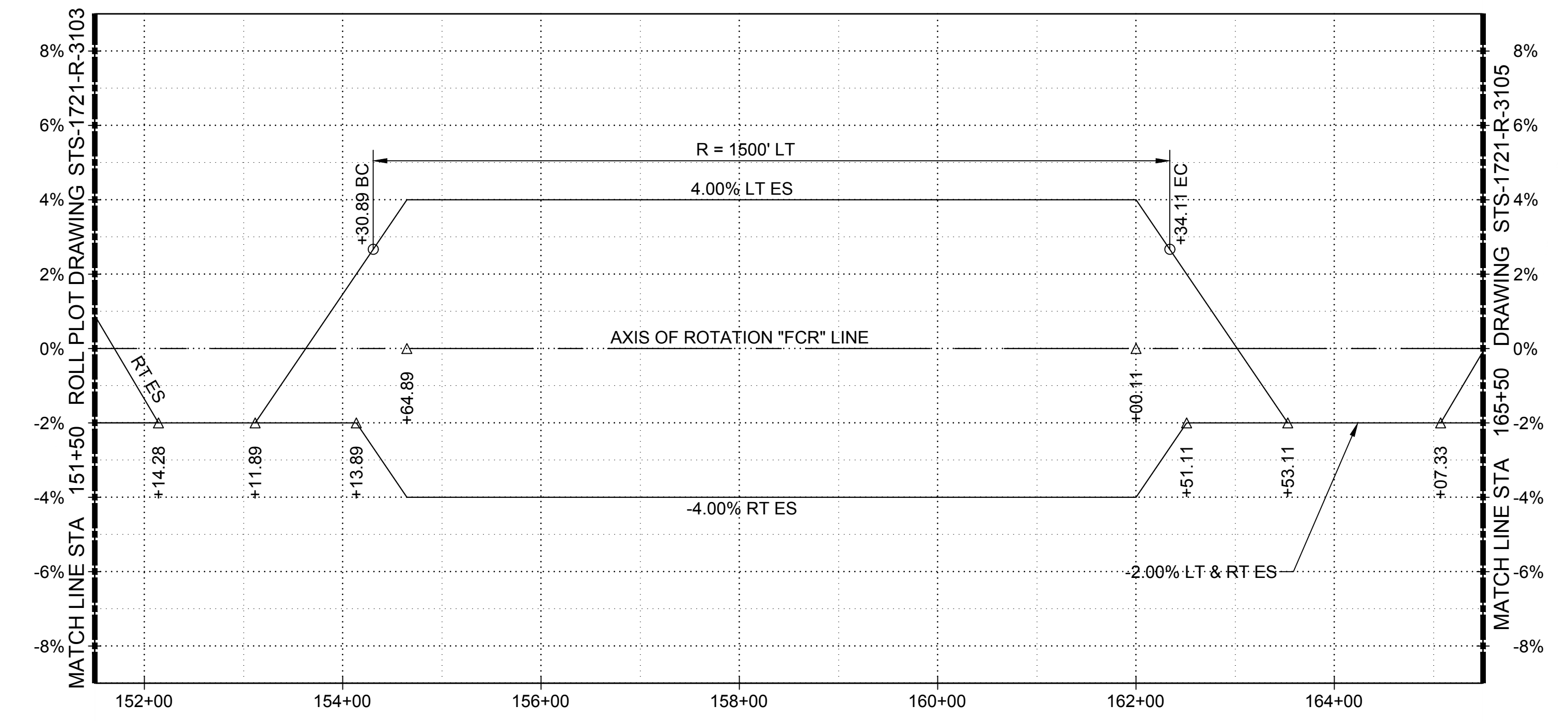
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 SITES RESERVOIR
 ROADWAY
 FUNKS CONSTRUCTION ACCESS ROAD
 PLAN

VERIFY SCALES
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 DRAWING. ADJUST SCALES FOR
 REDUCED PLOTS
 0 100 200
 DRAWING NO.
 STS-1721-R-2109
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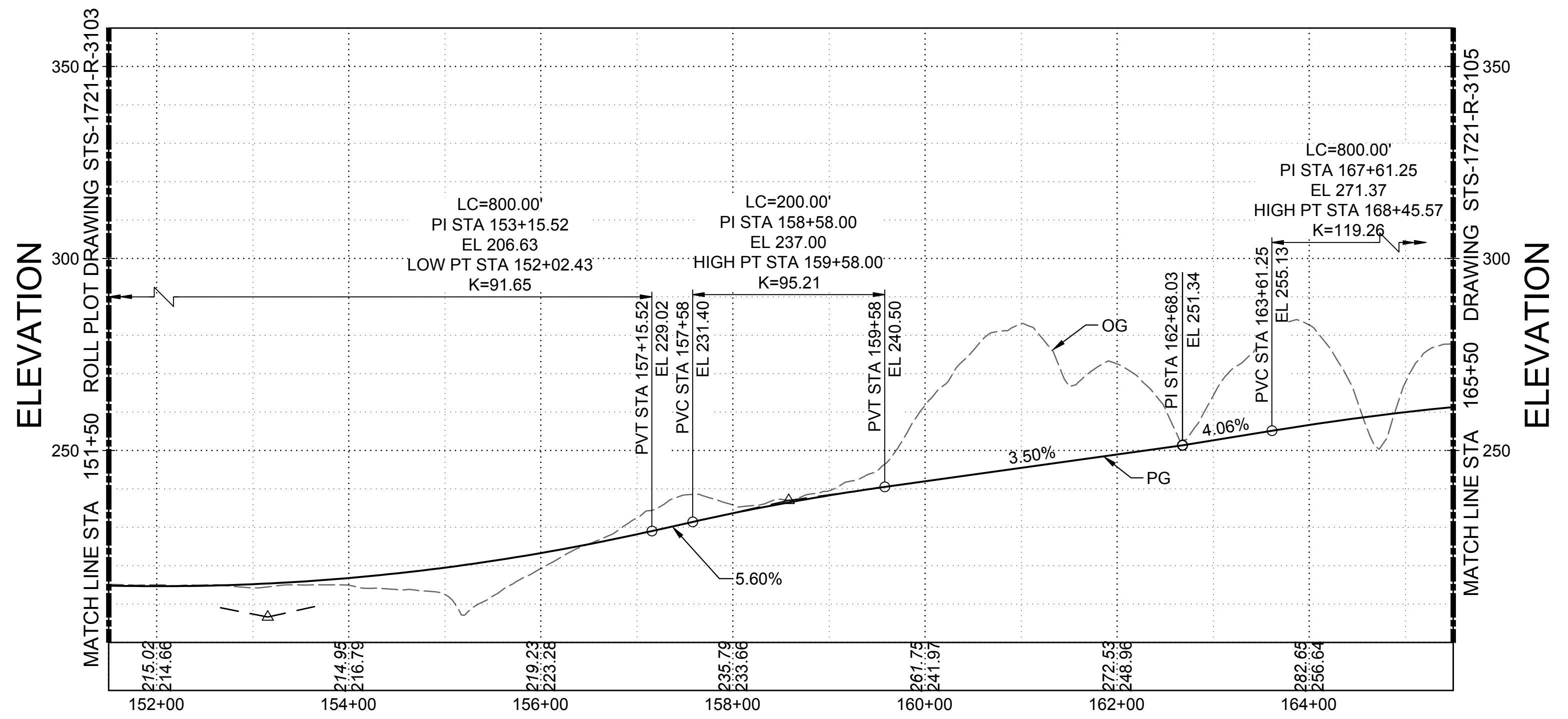
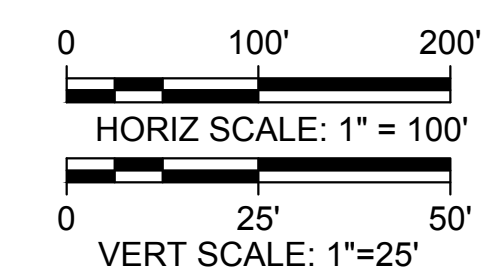
30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

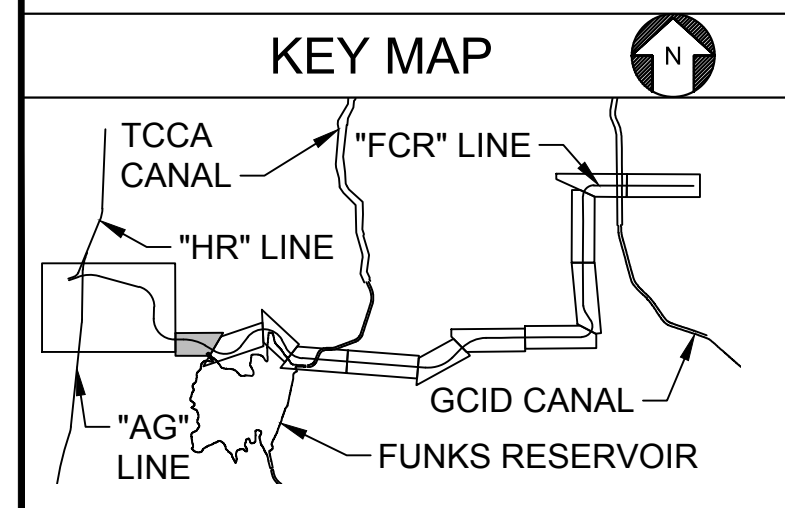
1. PROFILES WILL BE ADJUSTED DURING 60% DESIGN TO OPTIMIZE THE CUT & FILL VOLUMES AND TO ACCOMMODATE ANIMAL CROSSING.
2. FINAL LIMITS OF BRIDGE AND FILL PRISM TO BE DETERMINED BASED ON GEOTECHNICAL FINDINGS AND RECOMMENDATIONS.
3. SUPERELEVATION DESIGN KEY CONSIDERATIONS FOR ROADWAY RUNOFF, DRAINAGE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



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/21/2024 4:11 PM
Saved By: SMITHE13
File: c:\pwworking\hdr_sites_reservoir\dms02487\STS-1721-R-3104.dwg

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



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V. DOCTORO
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CALIFORNIA

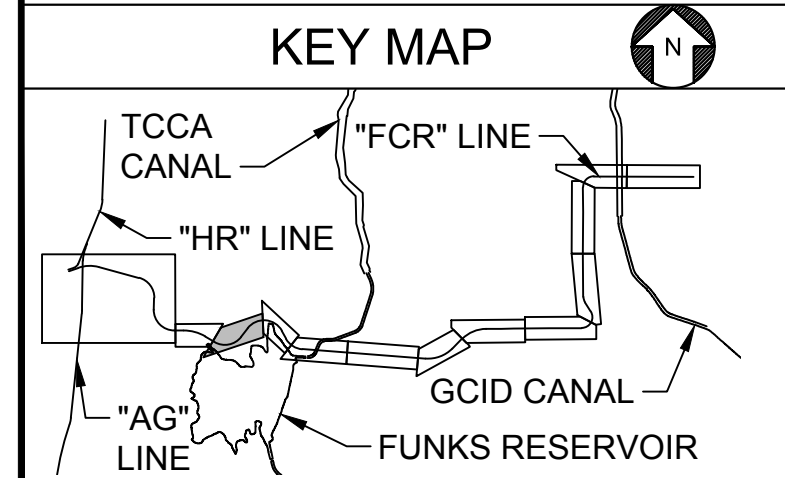
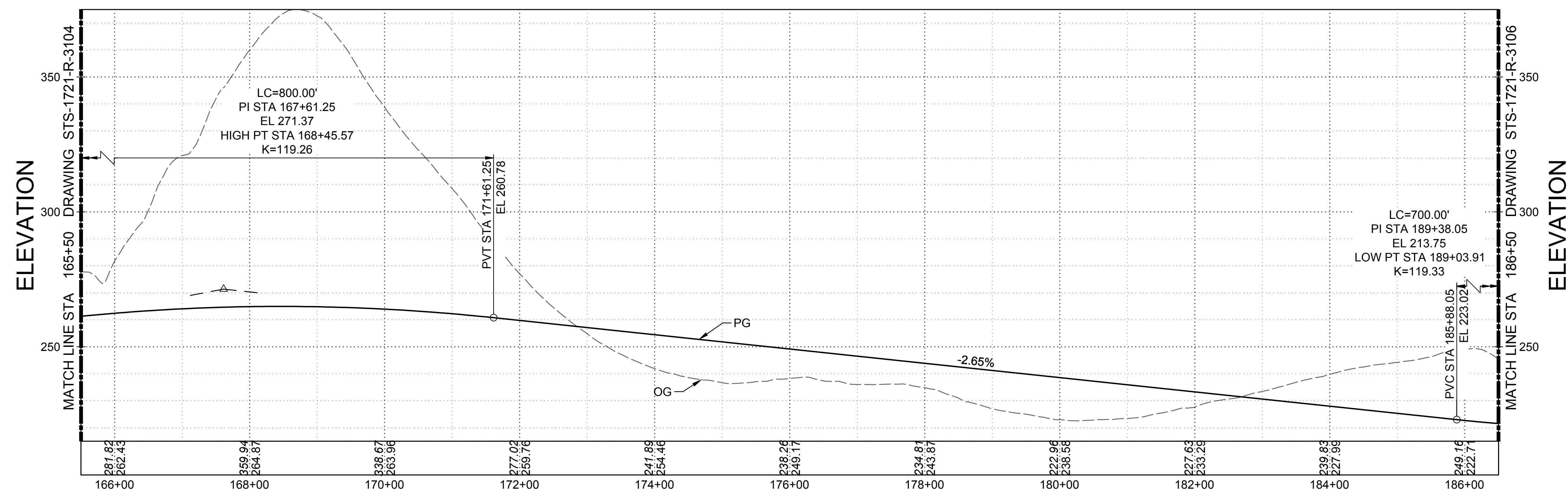
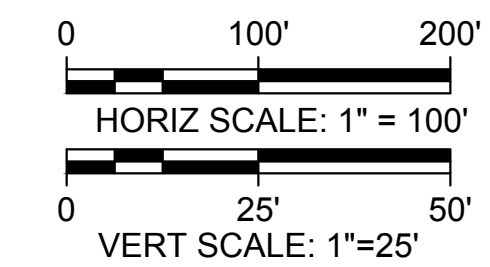
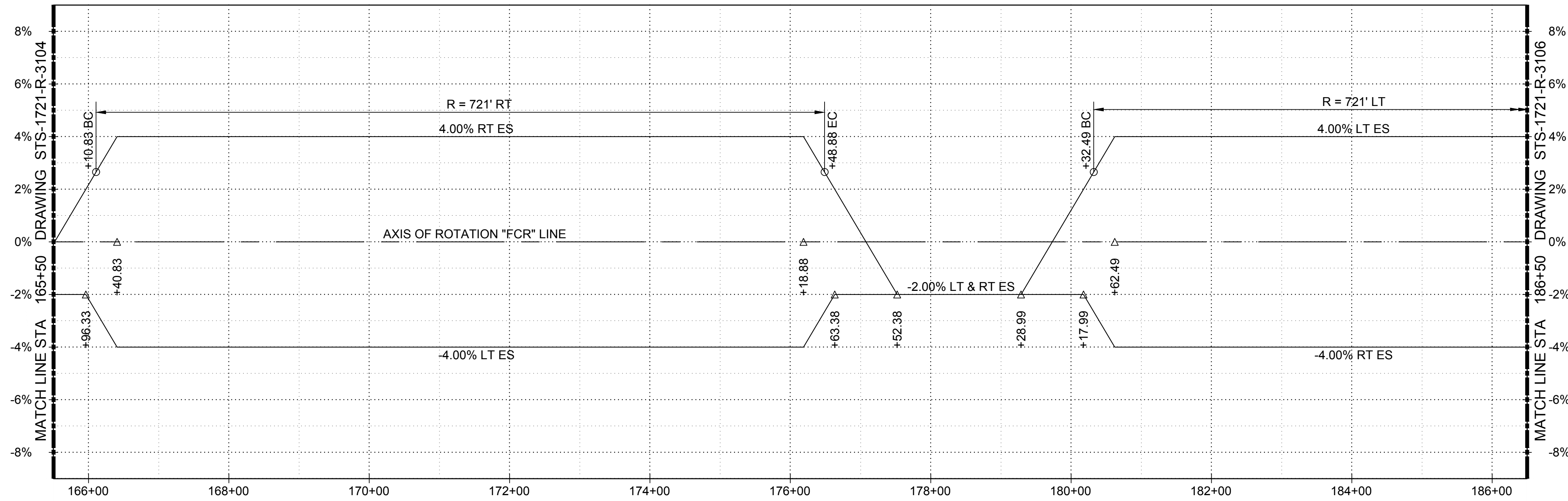


SITES RESERVOIR
SITES RESERVOIR ROADWAY
FUNKS CONSTRUCTION ACCESS ROAD
SUPERELEVATION AND PROFILE

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DRAWING NO.	STS-1721-R-3104
SHT	OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

Plot Date: 3/21/2024 4:11 PM
 Saved By: SMITHE13
 File: c:\pwworking\hdr_sites_reservoir\tdms02487\STS-1721-R-3105.dwg



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



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 V. DOCTORO
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 CALIFORNIA



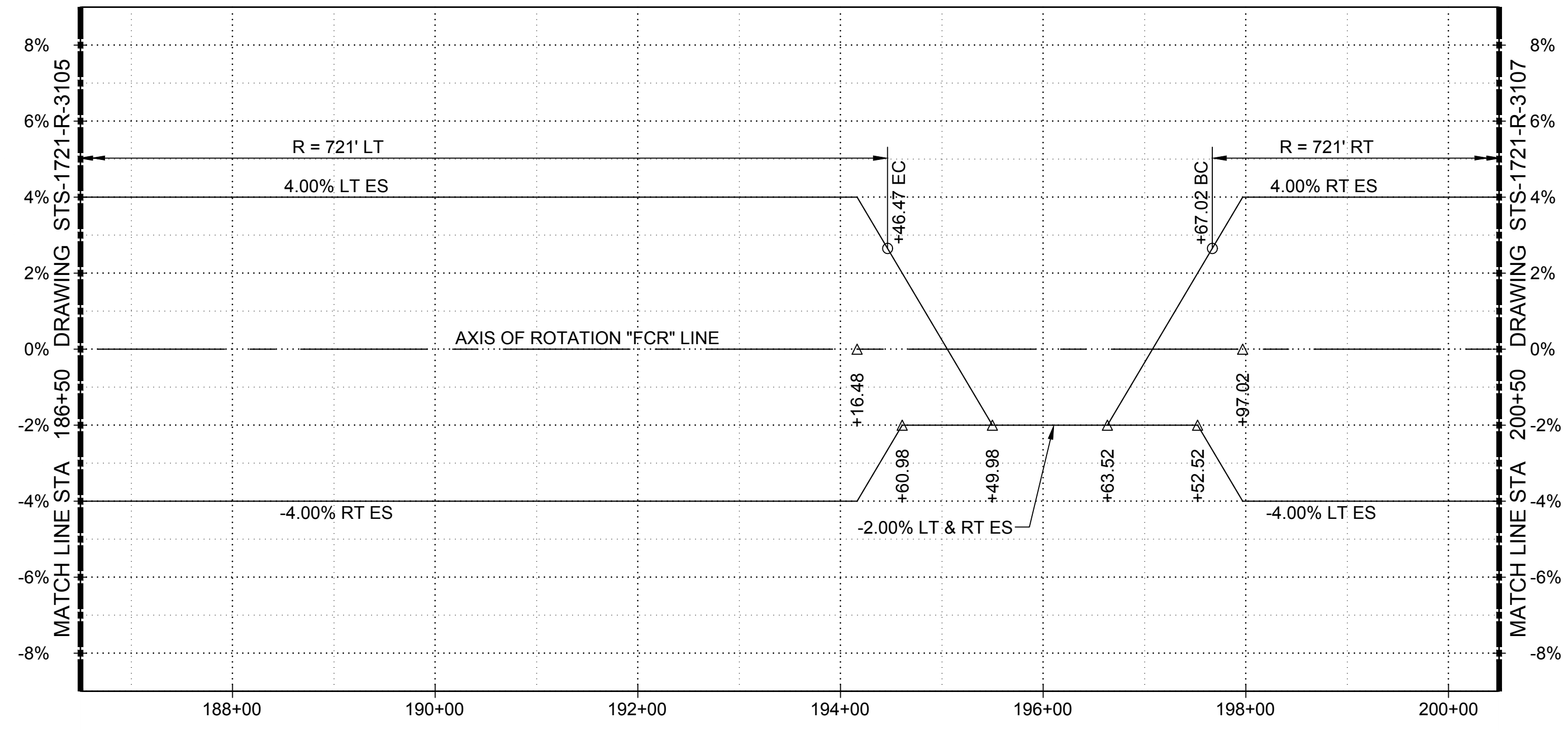
SITES RESERVOIR
 SITES RESERVOIR ROADWAY
 FUNKS CONSTRUCTION ACCESS ROAD
 SUPERELEVATION AND PROFILE

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

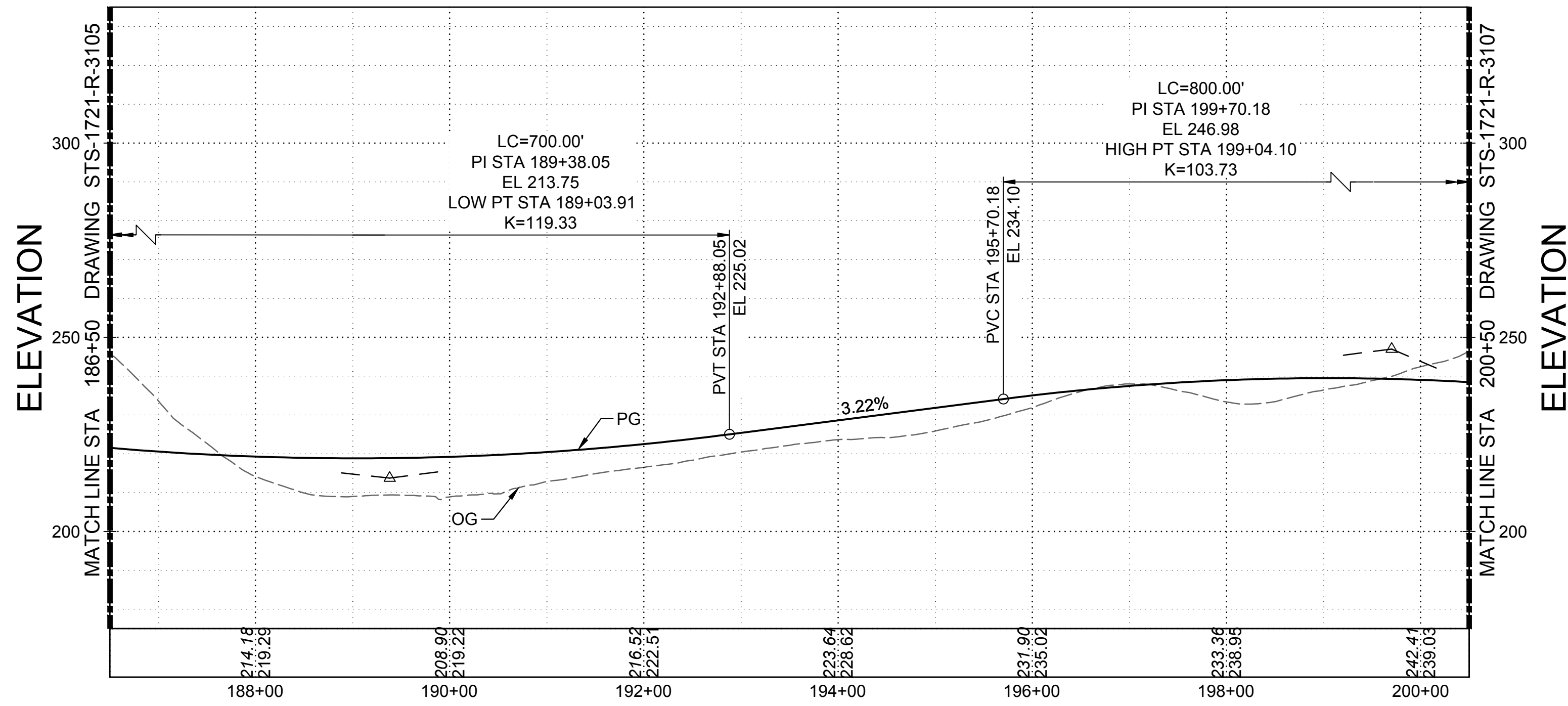
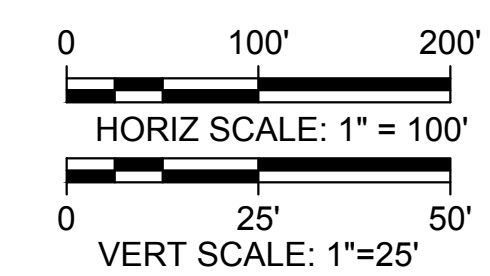
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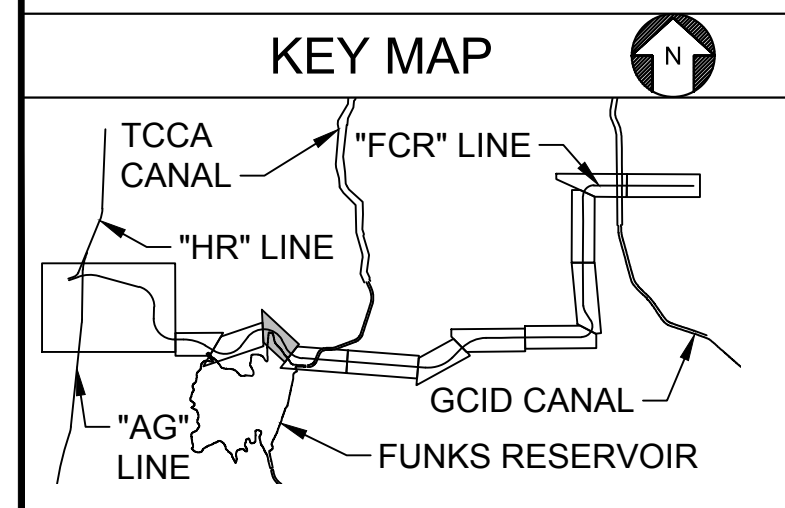
G
F
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A



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/22/2024 12:19 PM File: C:\pwworking\hdr_sites_reservoir\dms02487\STS-1721-R-3106.dwg
Saved By: SMITHE13

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



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CALIFORNIA

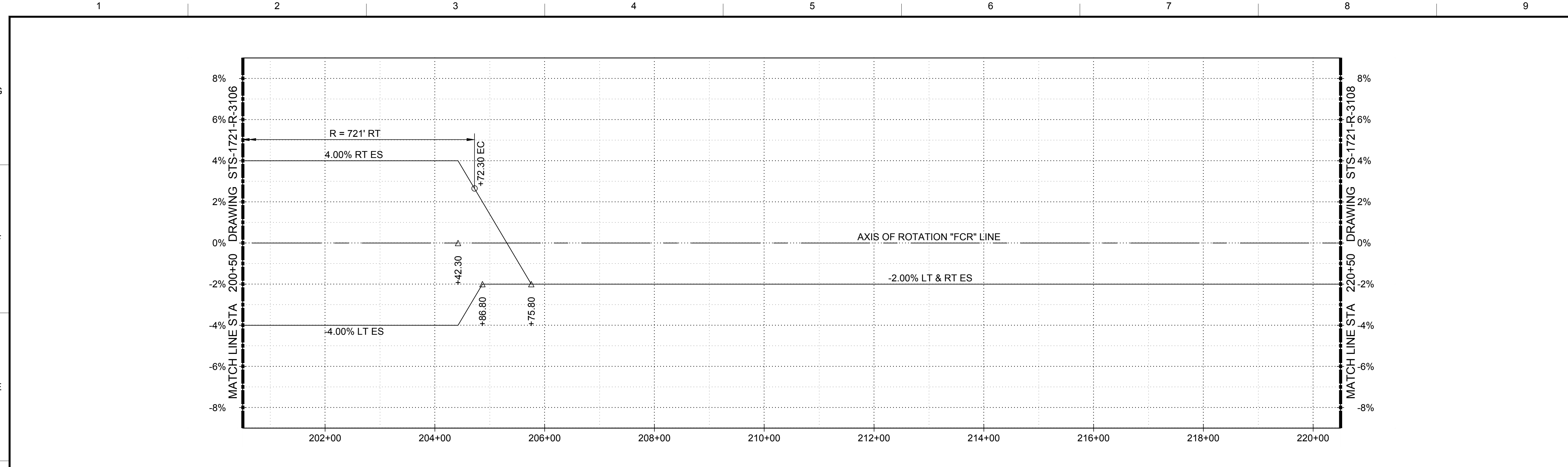


SITES RESERVOIR
SITES RESERVOIR
ROADWAY
FUNKS CONSTRUCTION ACCESS ROAD
SUPERELEVATION AND PROFILE

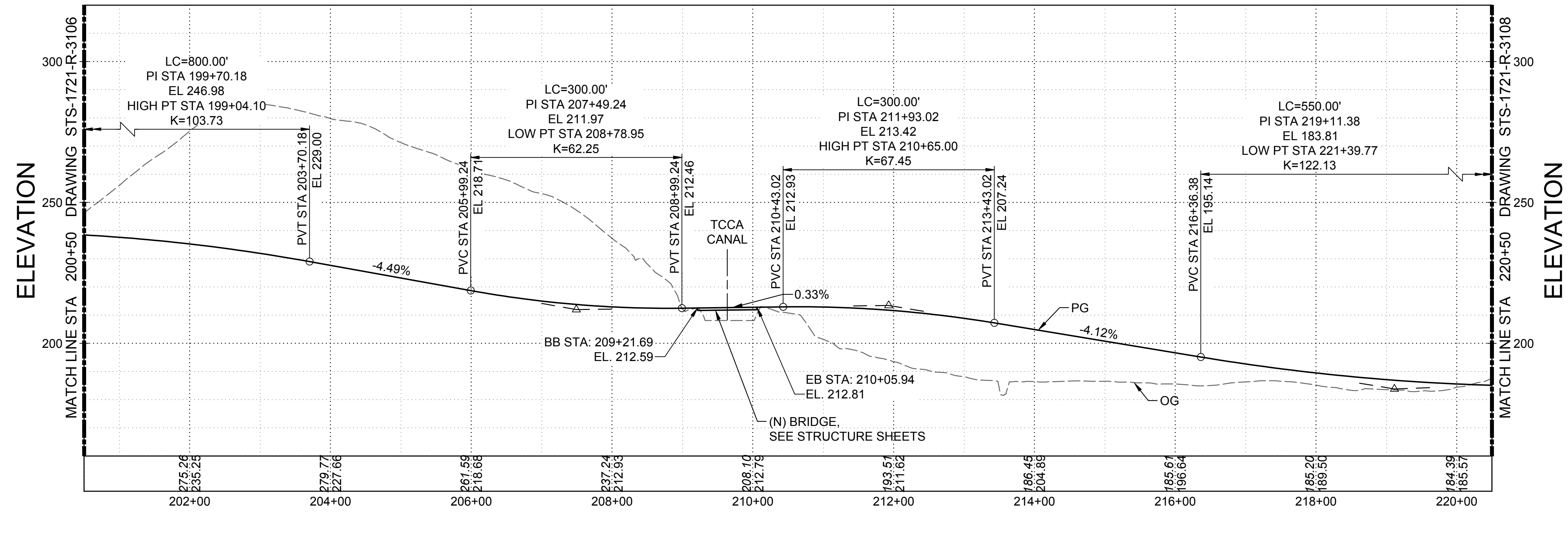
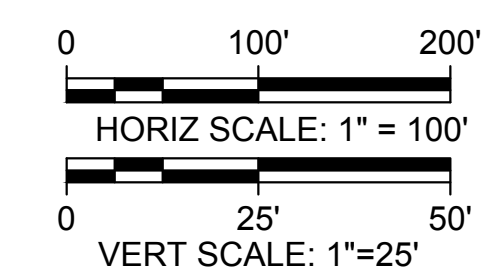
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DRAWING. ADJUST SCALES FOR
REDUCED PLOTS
DRAWING NO.
STS-1721-R-3106
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

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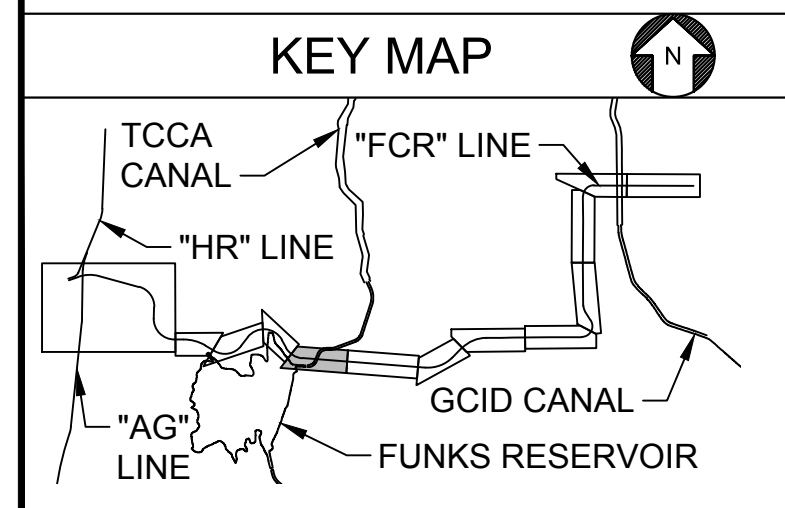


SUPERELEVATION DIAGRAM
 HORIZ SCALE: 1" = 100'



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

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



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 V. DOCTORO
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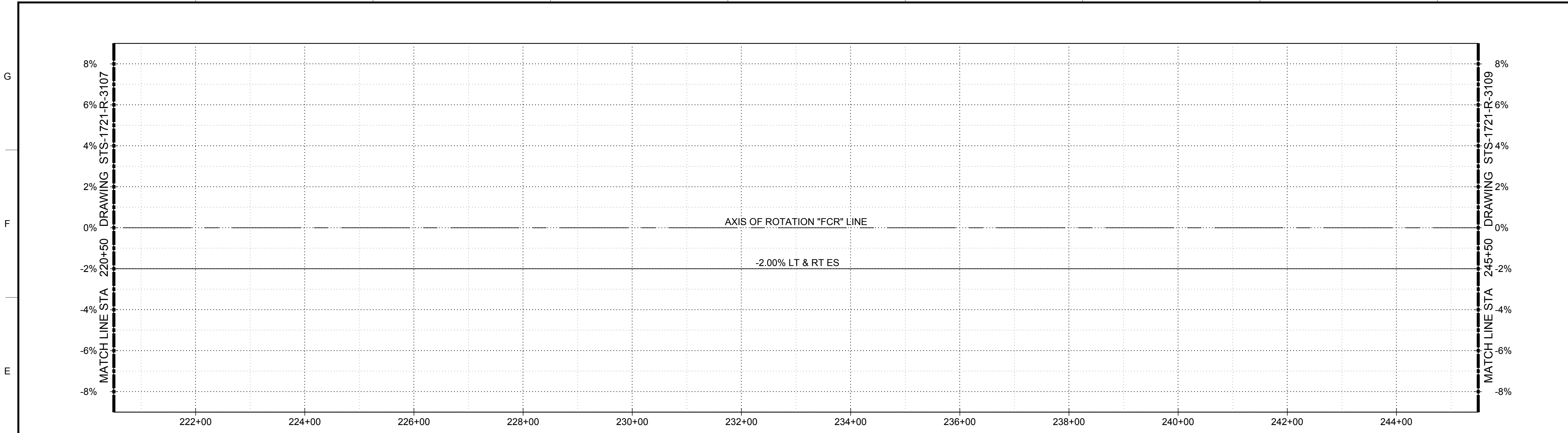


SITES RESERVOIR
 SITES RESERVOIR ROADWAY
 FUNKS CONSTRUCTION ACCESS ROAD
 SUPERELEVATION AND PROFILE

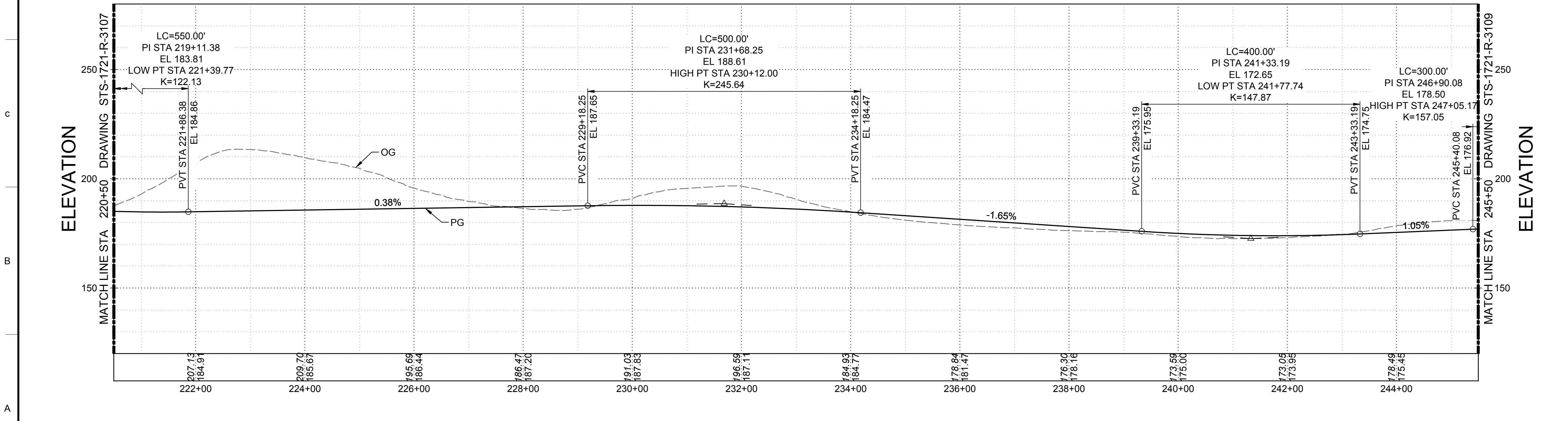
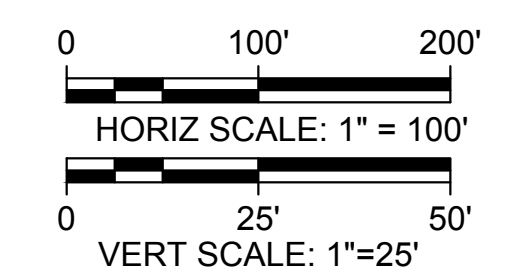
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DRAWING NO. STS-1721-R-3107
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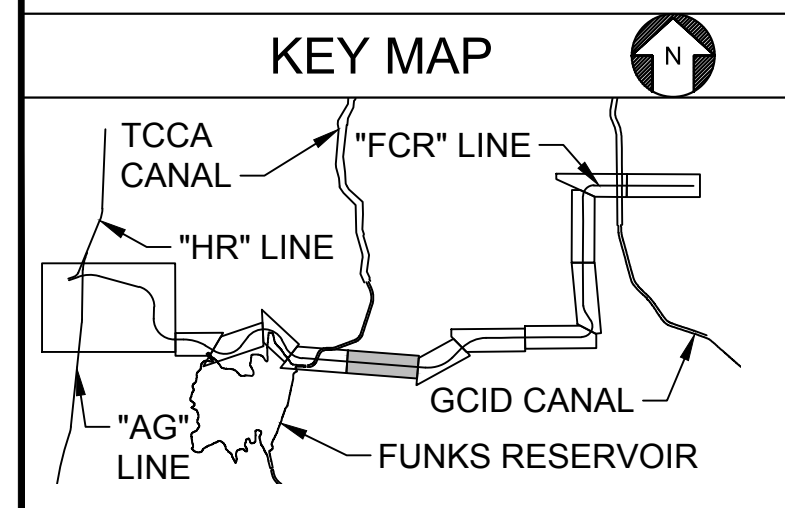
30% SUBMITTAL - NOT FOR CONSTRUCTION



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/21/2024 4:13 PM
Saved By: SMITHE13
File: c:\pwworking\hdr_sites_reservoir\dmso2487\STS-1721-R-3108.dwg

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

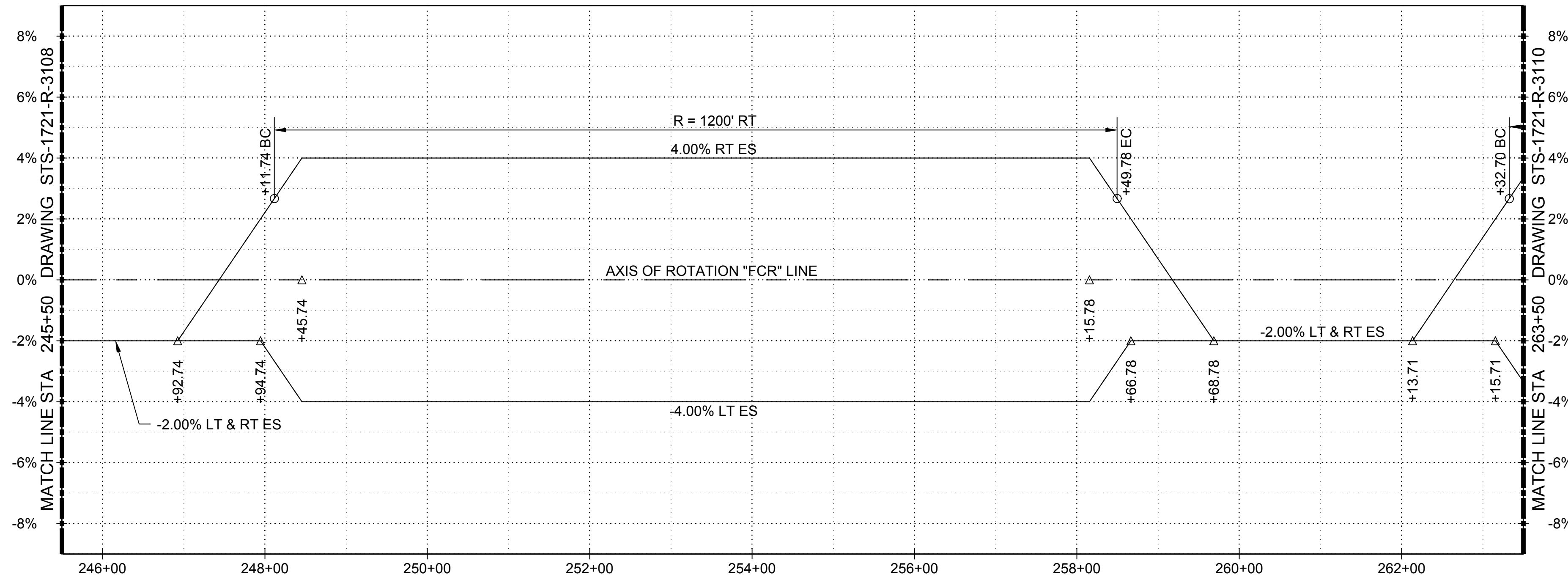
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CALIFORNIA



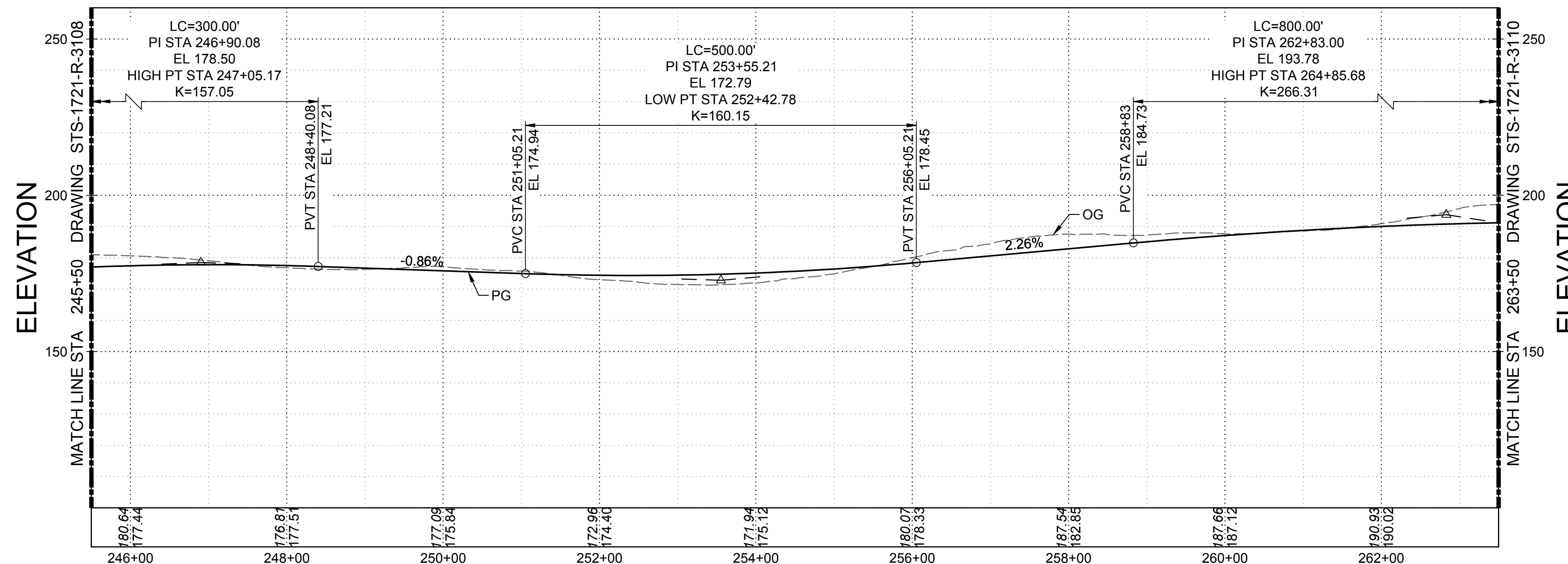
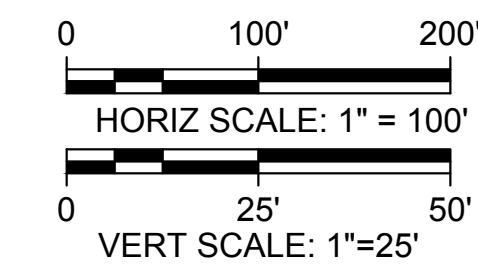
SITES RESERVOIR
SITES RESERVOIR
ROADWAY
FUNKS CONSTRUCTION ACCESS ROAD
SUPERELEVATION AND PROFILE

VERIFY SCALES
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DRAWING. ADJUST SCALES FOR
REDUCED PLOTS
DRAWING NO.
STS-1721-R-3108
SHT OF

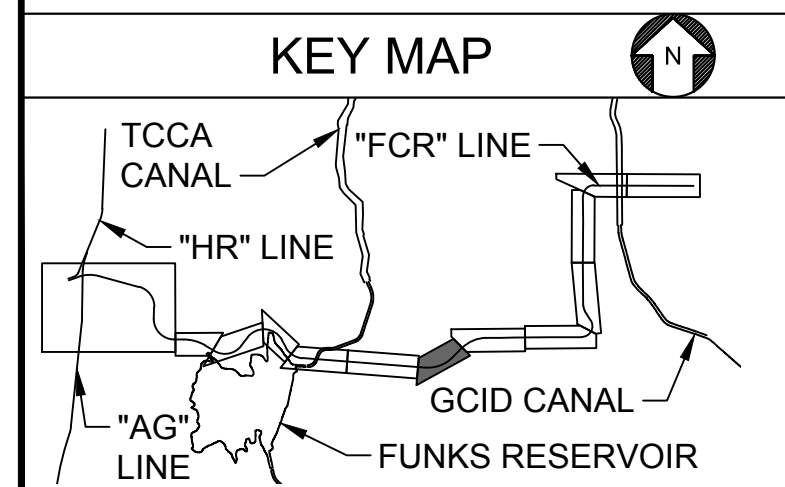
30% SUBMITTAL - NOT FOR CONSTRUCTION



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/21/2024 4:13 PM
 Saved By: SMITHET3
 File: c:\pwworking\hdr_sites_reservoir\dwgs\STS-1721-R-3109.dwg

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



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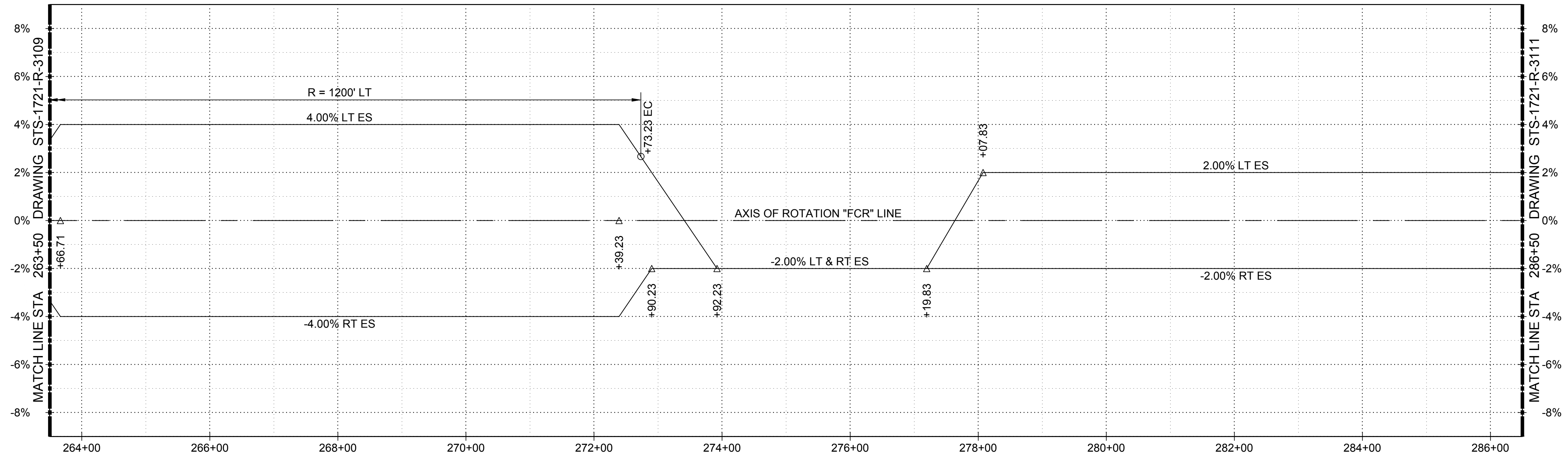
SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 FUNKS CONSTRUCTION ACCESS ROAD
 SUPERELEVATION AND PROFILE

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

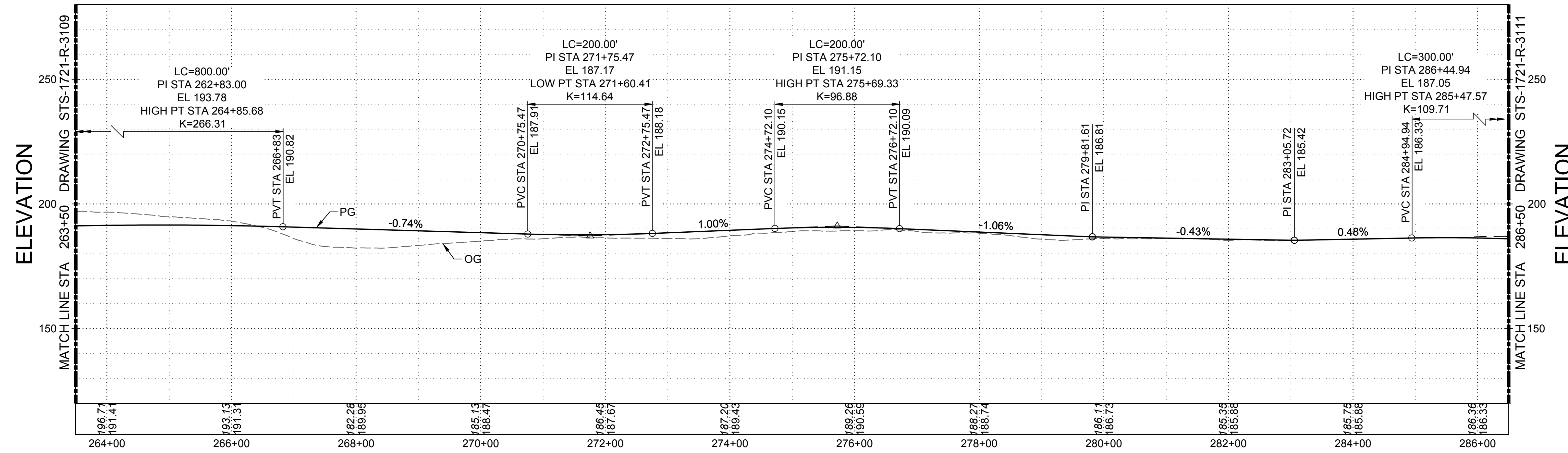
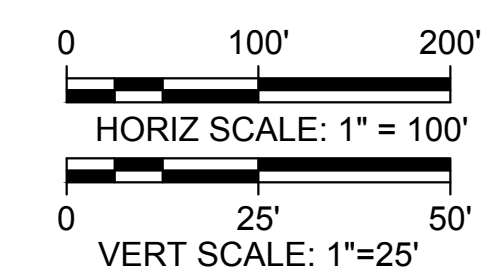
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30% SUBMITTAL - NOT FOR CONSTRUCTION

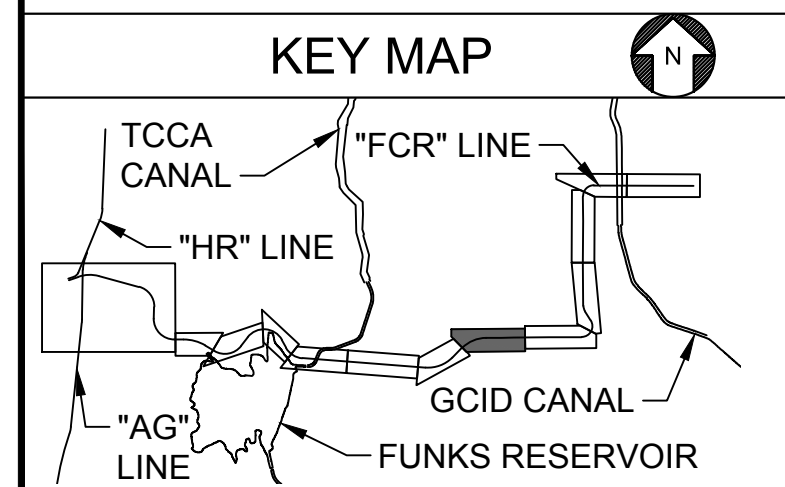
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SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/21/2024 4:14 PM
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File: c:\pwworking\hdr_sites_reservoir\dmso2487\STS-1721-R-3110.dwg

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



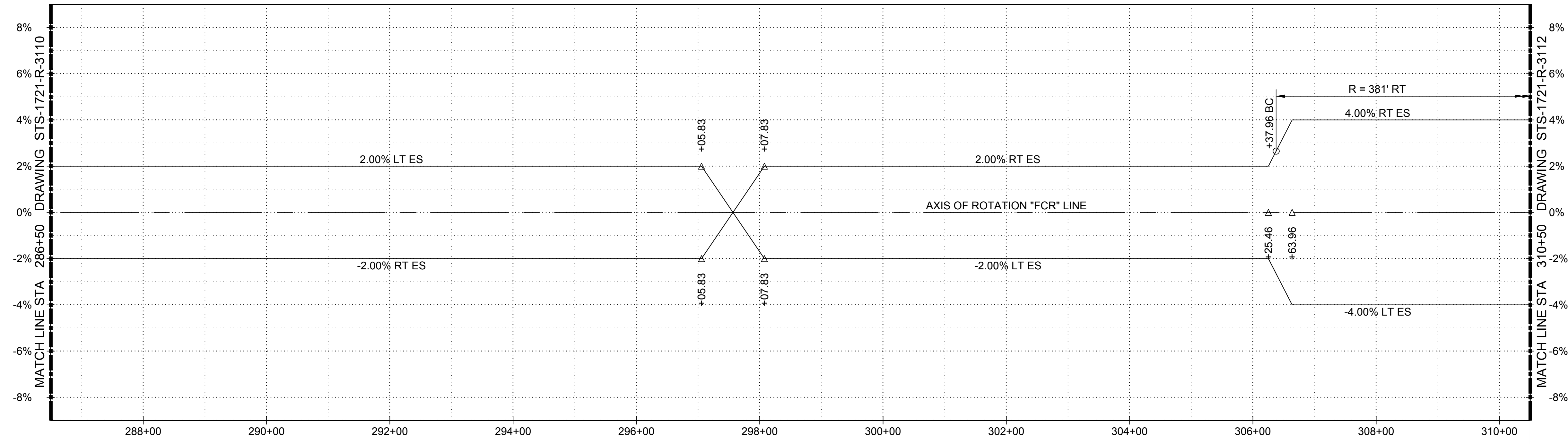
REGISTERED
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C78231
CALIFORNIA



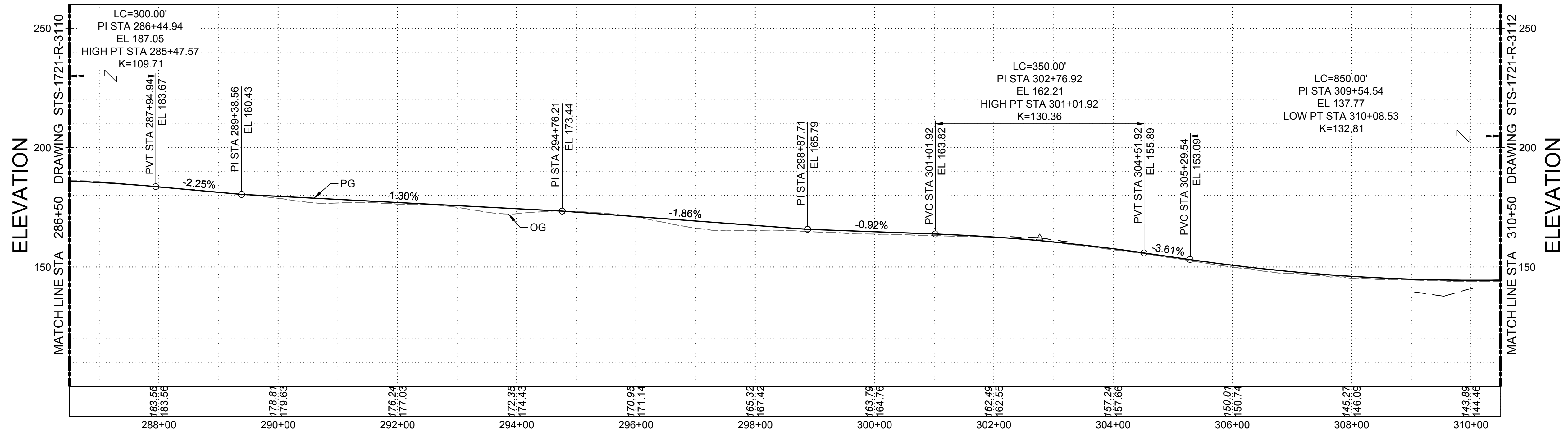
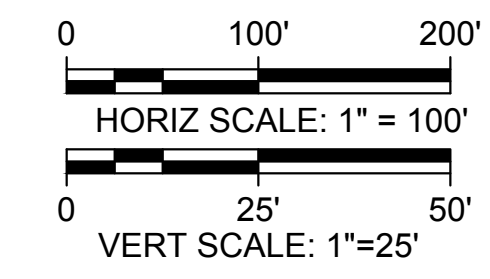
SITES RESERVOIR
SITES RESERVOIR
ROADWAY
FUNKS CONSTRUCTION ACCESS ROAD
SUPERELEVATION AND PROFILE

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO.	STS-1721-R-3110
SHT	OF

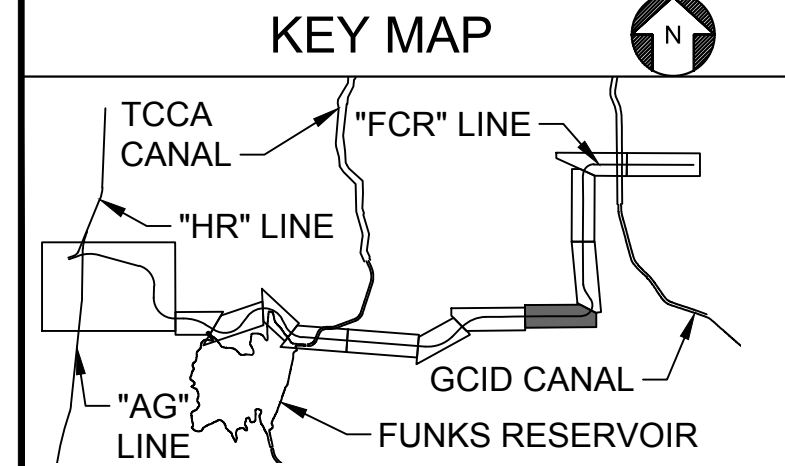
30% SUBMITTAL - NOT FOR CONSTRUCTION



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/21/2024 4:15 PM
Saved By: SMITHET3
File: c:\pwworking\hdr_sites_reservoir\dmso2487\STS-1721-R-3111.dwg

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



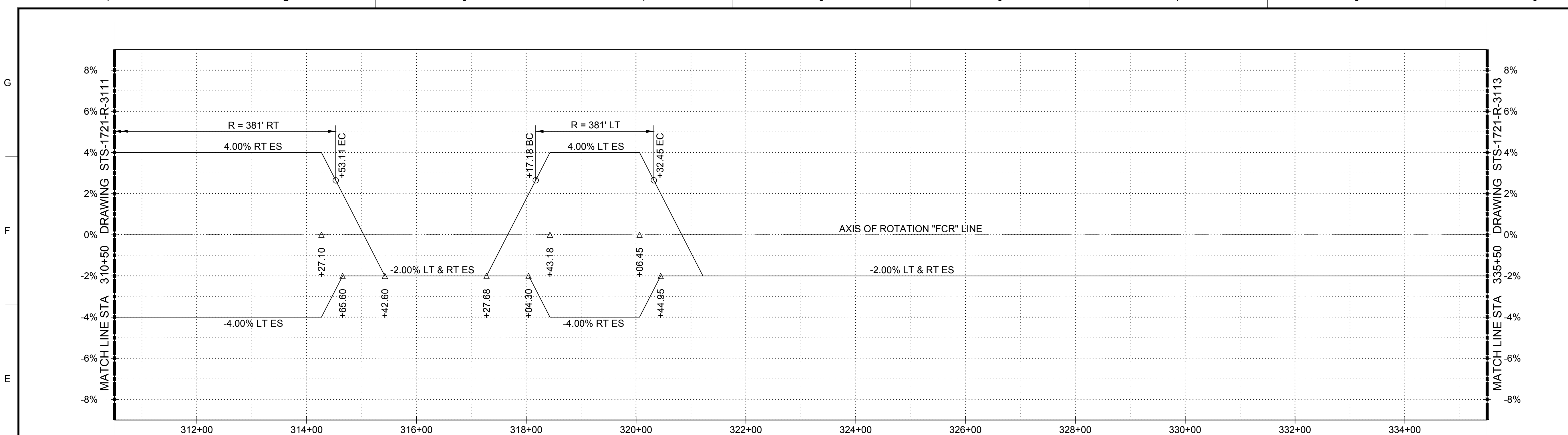
REGISTERED
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ENGINEER
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CALIFORNIA



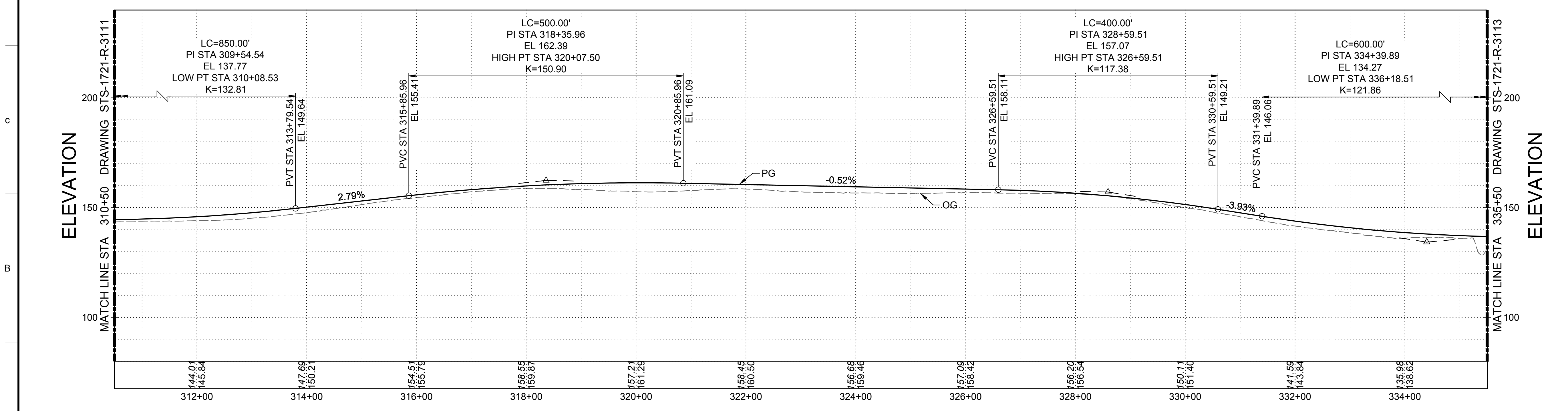
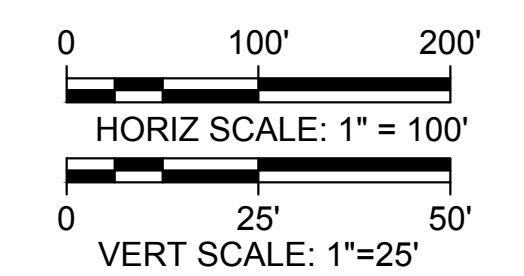
SITES RESERVOIR
SITES RESERVOIR
ROADWAY
FUNKS CONSTRUCTION ACCESS ROAD
SUPERELEVATION AND PROFILE

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DRAWING. ADJUST SCALES FOR
REDUCED PLOTS
DRAWING NO.
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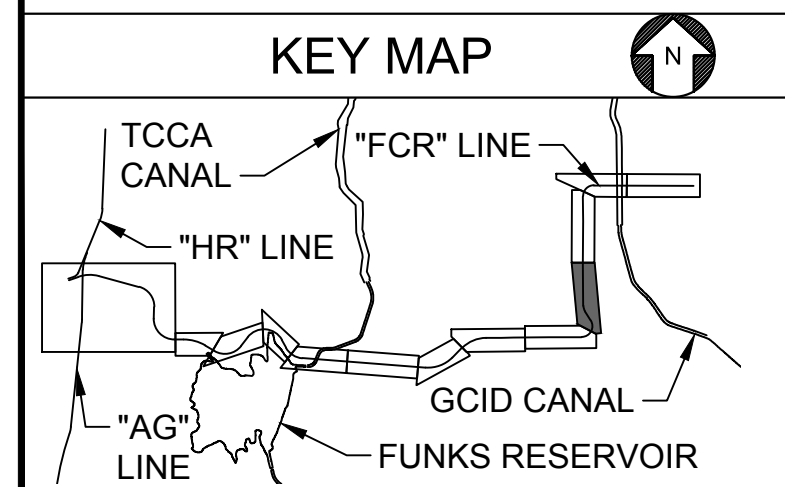
30% SUBMITTAL - NOT FOR CONSTRUCTION



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



File: c:\pwworking\hdr_sites_reservoir\dms02487\STS-1721-R-3112.dwg
Plot Date: 3/21/2024 4:16 PM
Saved By: SMITHET3

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



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ENGINEER
V. DOCTORO
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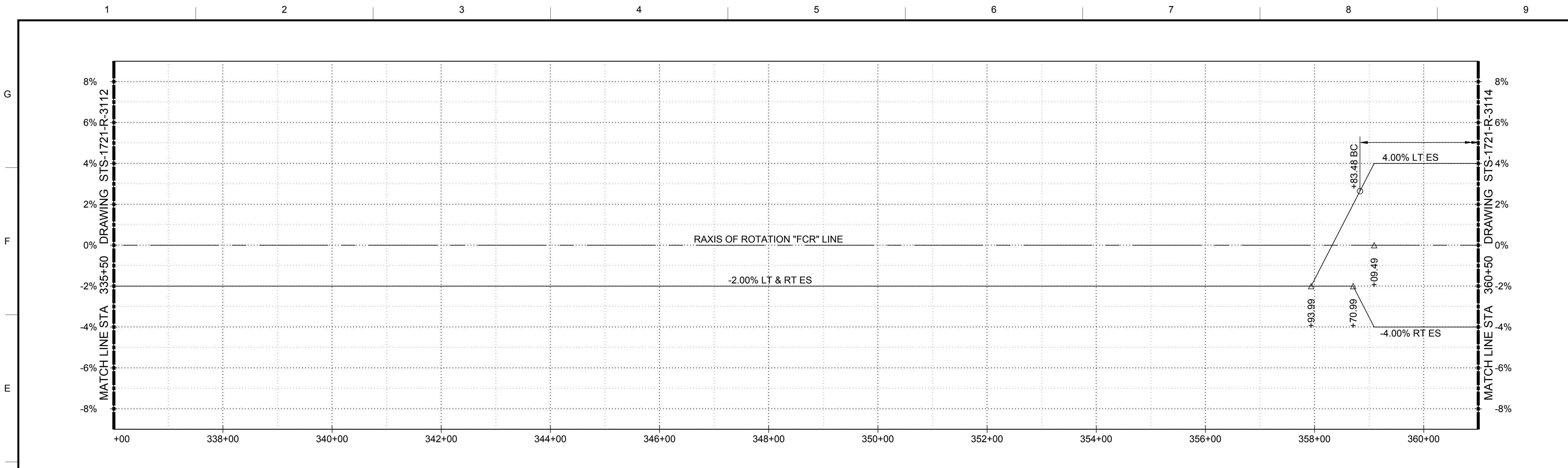


SITES RESERVOIR
SITES RESERVOIR
ROADWAY
FUNKS CONSTRUCTION ACCESS ROAD
SUPERELEVATION AND PROFILE

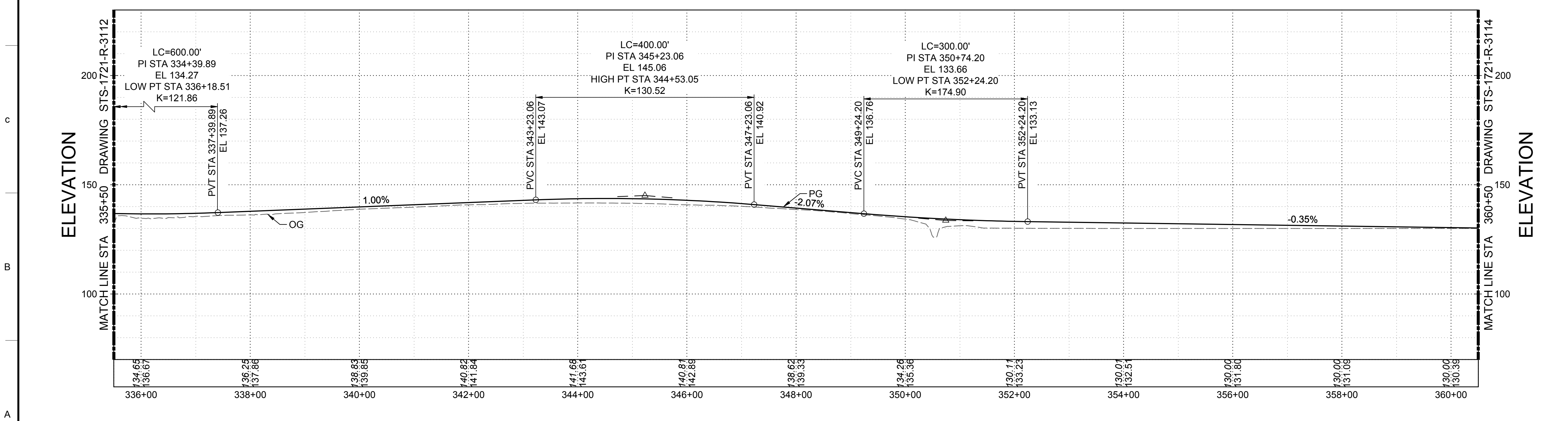
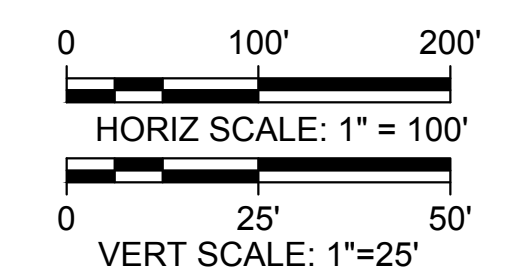
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DRAWING NO. STS-1721-R-3112 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

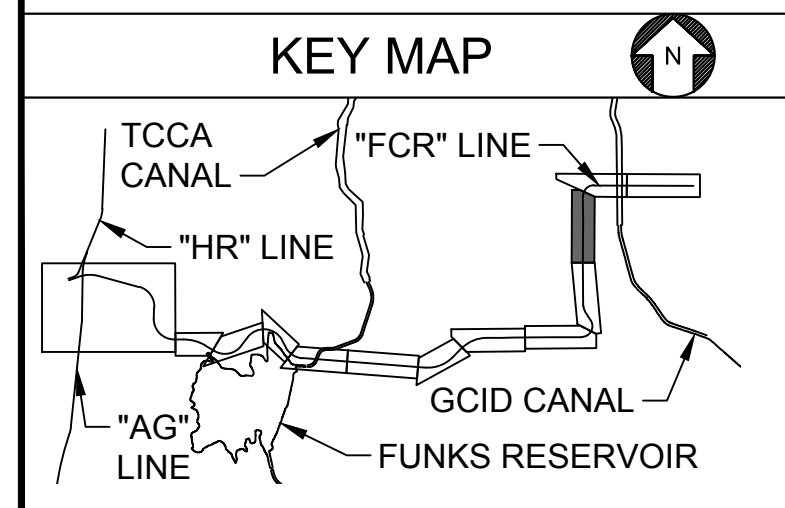
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SUPERELEVATION DIAGRAM
 HORIZ SCALE: 1" = 100'



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



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



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 V. DOCTORO
 C78231
 CALIFORNIA



SITES RESERVOIR
 SITES RESERVOIR ROADWAY
 FUNKS CONSTRUCTION ACCESS ROAD
 SUPERELEVATION AND PROFILE

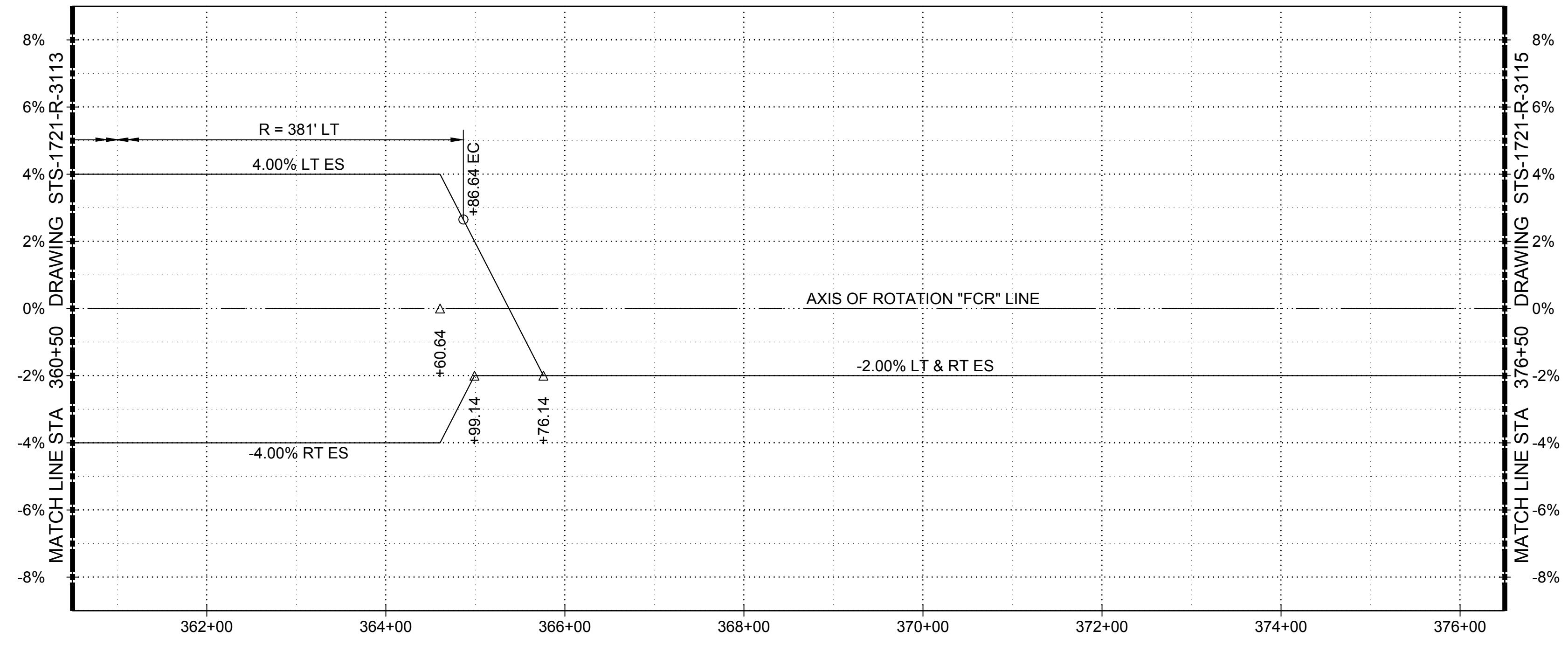
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DRAWING NO. STS-1721-R-3113
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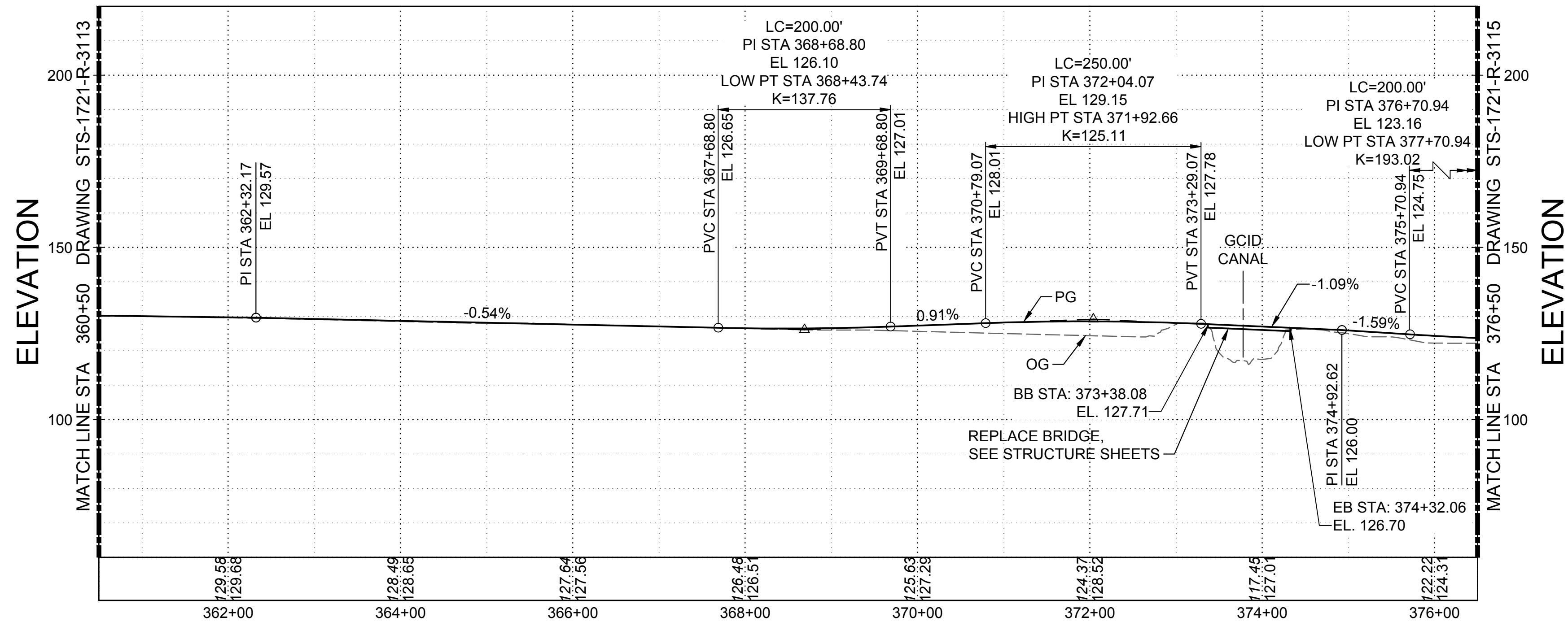
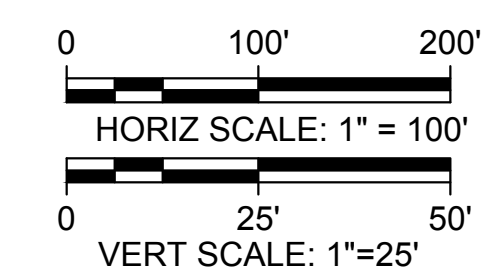
30% SUBMITTAL - NOT FOR CONSTRUCTION

NOTES

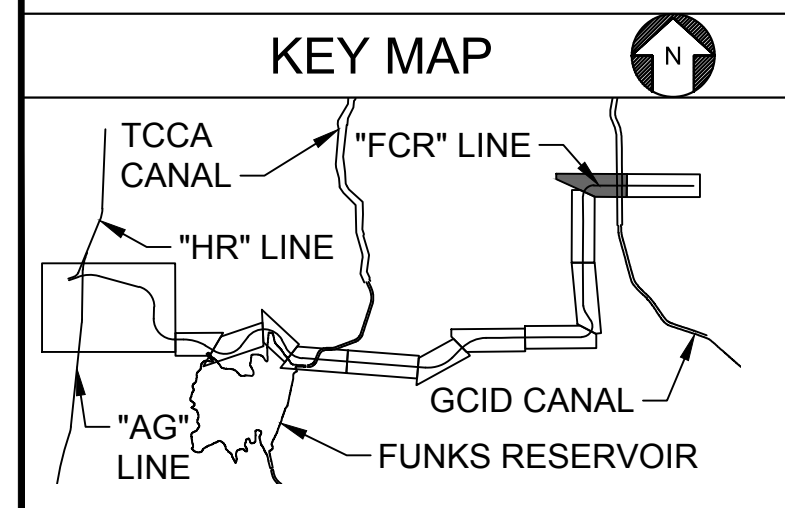
1. FINAL LIMITS OF BRIDGE AND FILL PRISM TO BE DETERMINED BASED ON GEOTECHNICAL FINDINGS AND RECOMMENDATIONS.



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/21/2024 4:17 PM
 Saved By: SMITHET3
 File: c:\pwworking\hdr_sites_reservoir\dmso2487\STS-1721-R-3114.dwg

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



REGISTERED
 PROFESSIONAL
 ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA

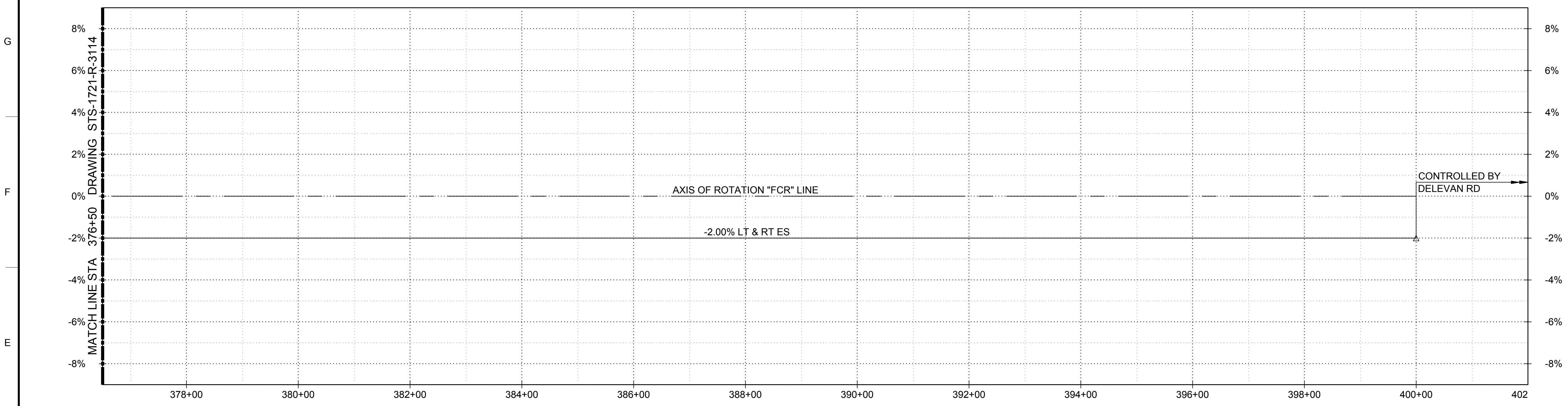


SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 FUNKS CONSTRUCTION ACCESS ROAD
 SUPERELEVATION AND PROFILE

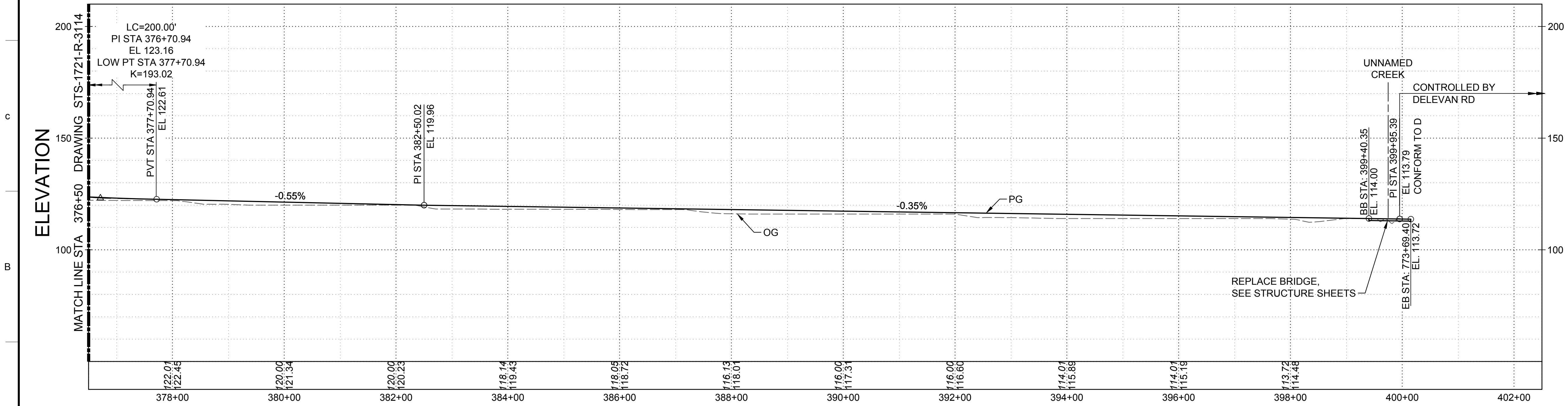
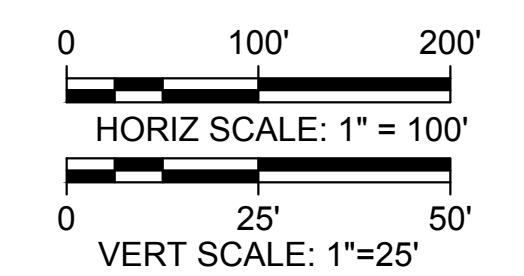
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
 0 1"
 DRAWING NO.
 STS-1721-R-3114
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

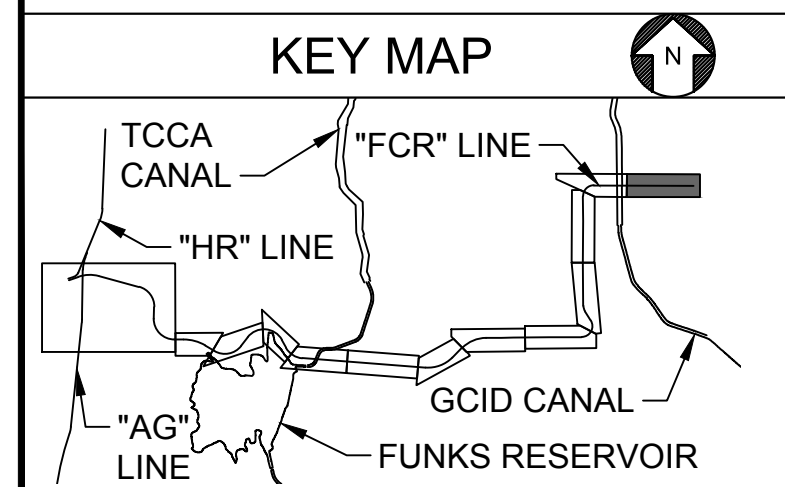
NOTES
 1. FINAL LIMITS OF BRIDGE AND FILL PRISM TO BE DETERMINED BASED ON GEOTECHNICAL FINDINGS AND RECOMMENDATIONS.



SUPERELEVATION DIAGRAM
 HORIZ SCALE: 1" = 100'



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



Plot Date: 3/21/2024 4:18 PM
 Saved By: SMITHE13
 File: c:\pwworking\hdr_sites_reservoir\dmso2487\STS-1721-R-3115.dwg

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



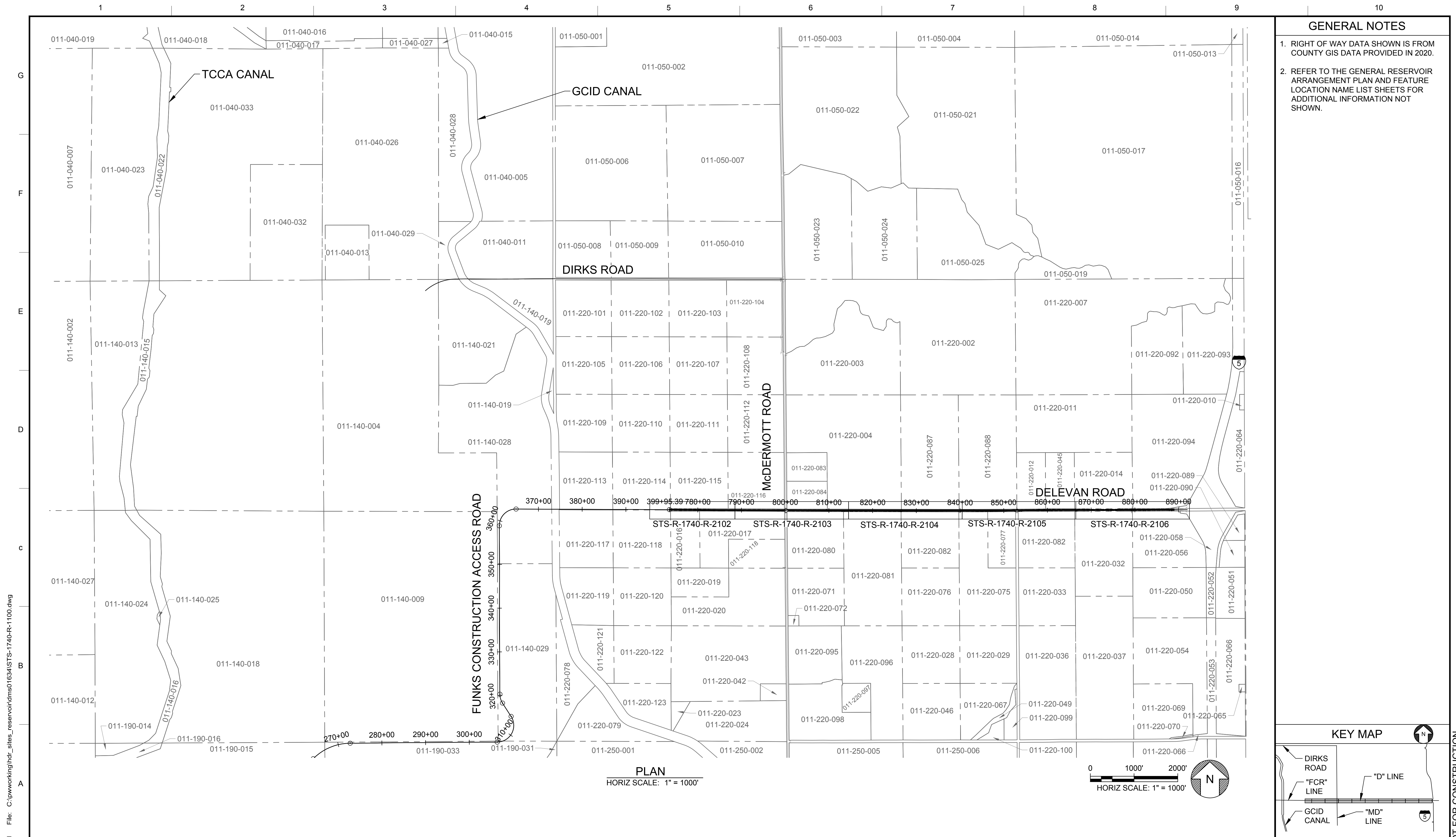
REGISTERED PROFESSIONAL ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



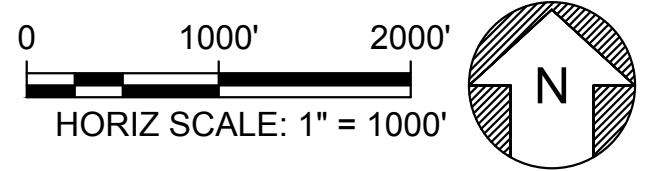
SITES RESERVOIR
 SITES RESERVOIR ROADWAY
 FUNKS CONSTRUCTION ACCESS ROAD
 SUPERELEVATION AND PROFILE

VERIFY SCALES <small>BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS</small>
DRAWING NO. STS-1721-R-3115 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

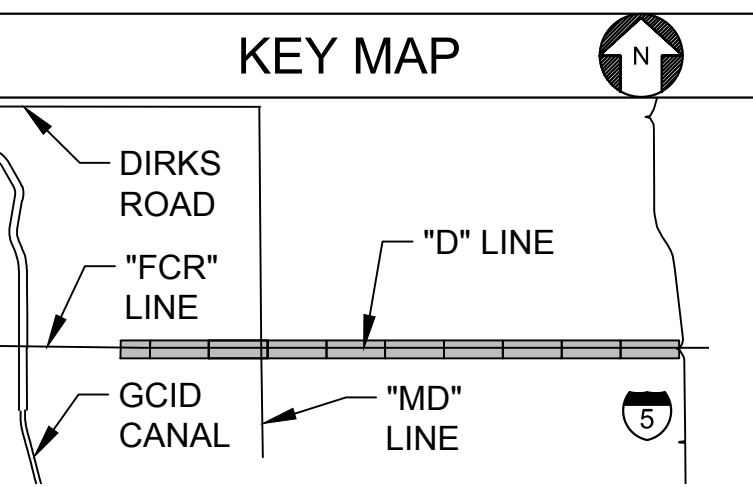


PLAN
HORIZ SCALE: 1" = 1000'



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.



Plot Date: 3/20/2024 4:06 PM
 Saved By: VALDEZR
 File: C:\pwworking\hdr_sites_reservoir\dms01634\STS-1740-R-1100.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED
 PROFESSIONAL
 ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 DELEVAN ROAD
 KEY MAP INDEX

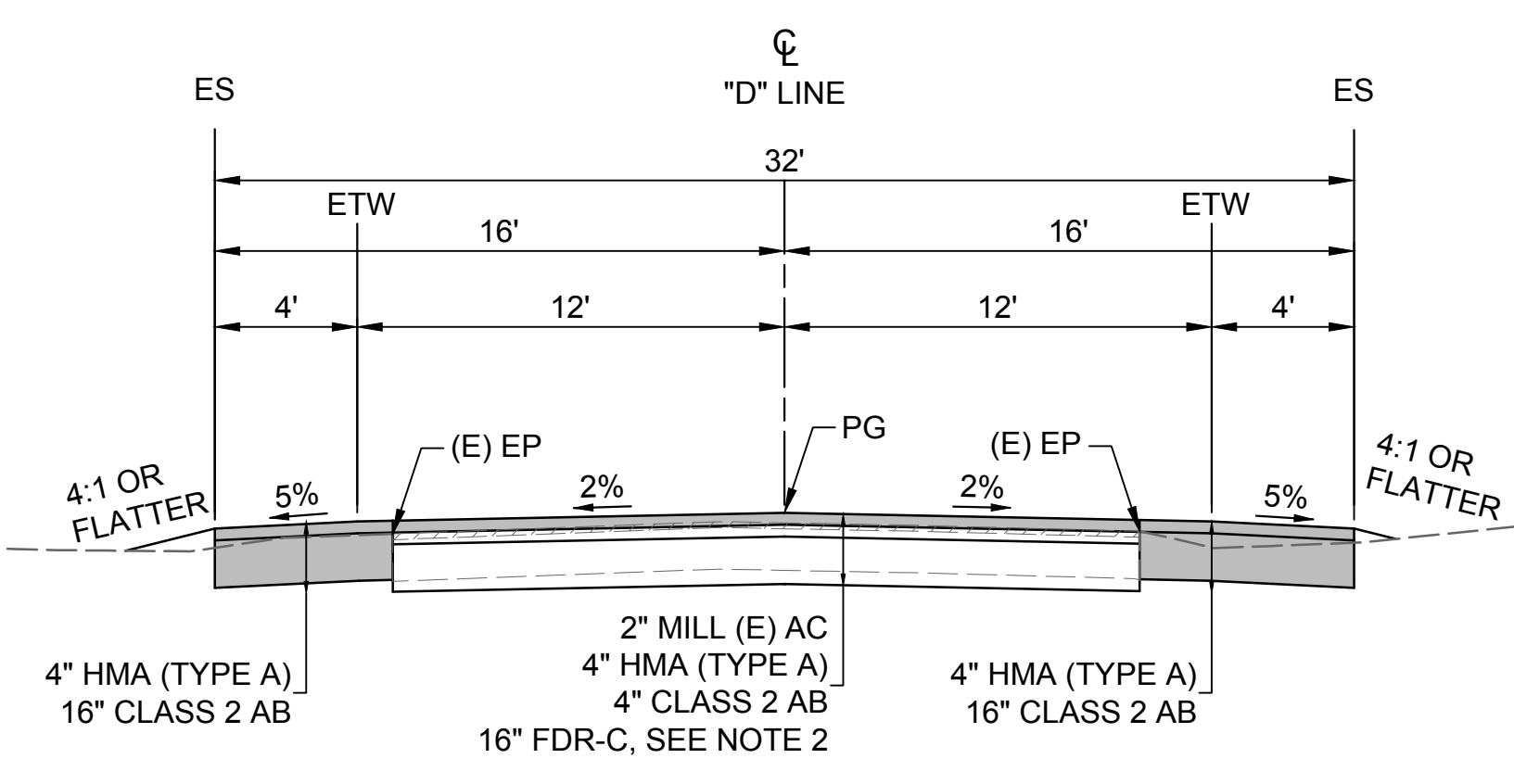
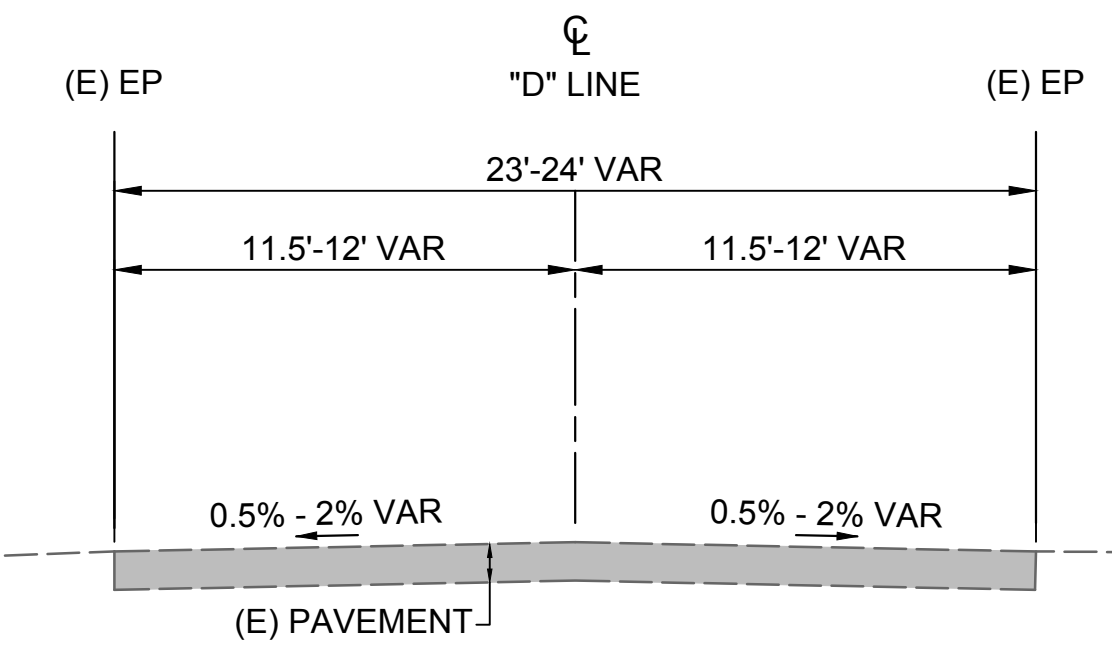
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.

 DRAWING NO.
 STS-1740-R-1100
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

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.
- FULL DEPTH RECLAMATION AND MIX DESIGN TO BE COMPLETED AT A LATER DATE. PAVEMENT SECTIONS ARE BASED ON GEOTECHNICAL RECOMMENDATIONS.
- 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.
- PAVEMENT DELINEATION SHOWN IS FINAL STRIPING.



FROM	TO
773+49.39	889+00.07

Plot Date: 3/22/2024 12:17 PM File: C:\pwworking\hdr_sites_reservoir\dms01634\STS-1740-R-1101.dwg Saved By: SMITHE13

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
R. VALDEZ

DRAWN BY:
S. KHOYGANI

CHECKED BY:
A. GLEN

IN CHARGE:
H. MICHAEL

DATE:
03/15/24



REGISTERED
PROFESSIONAL
ENGINEER
V. DOCTOLERO
C78231
CALIFORNIA



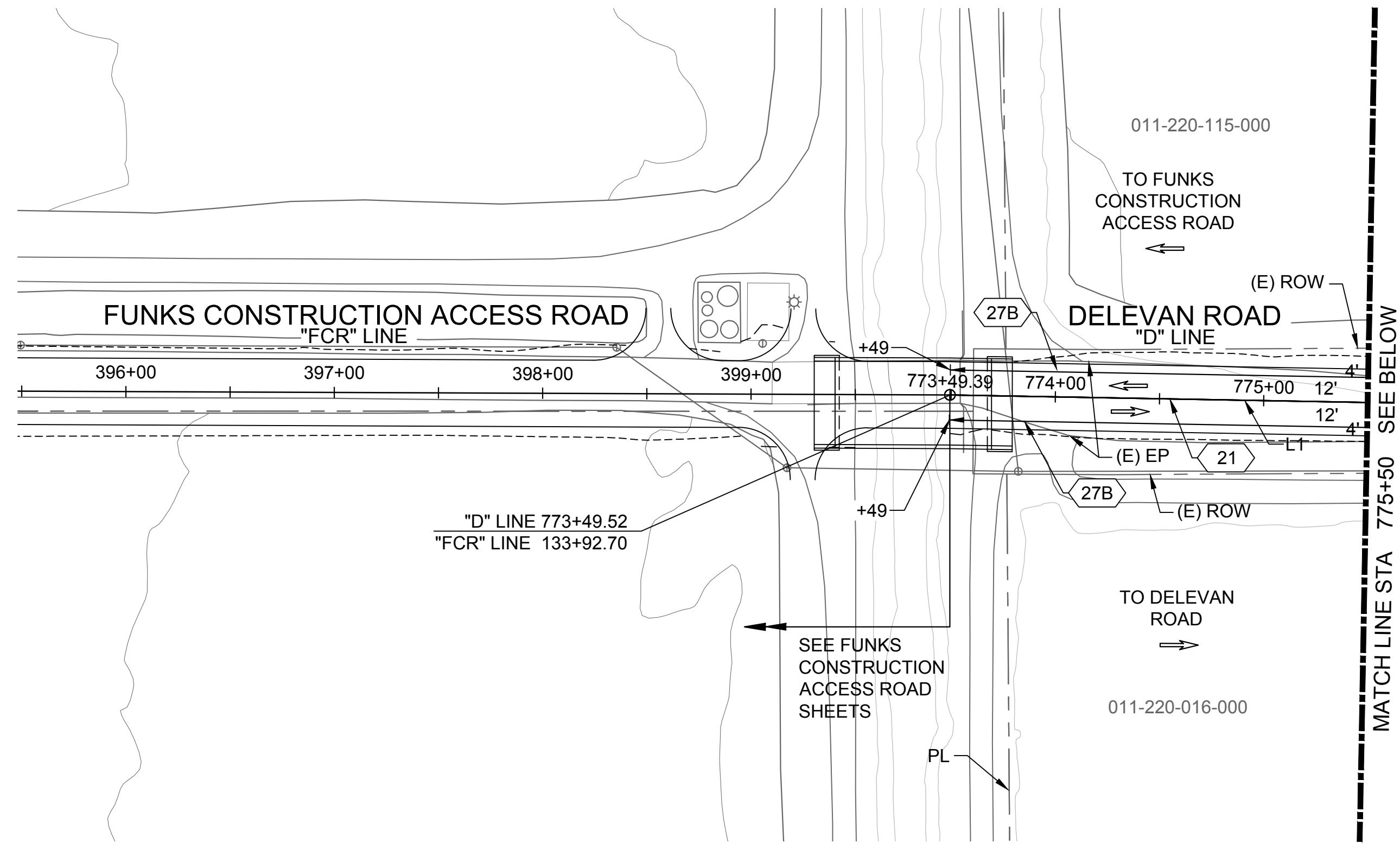
SITES RESERVOIR
SITES RESERVOIR
ROADWAY
DELEVAN ROAD
TYPICAL SECTIONS

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

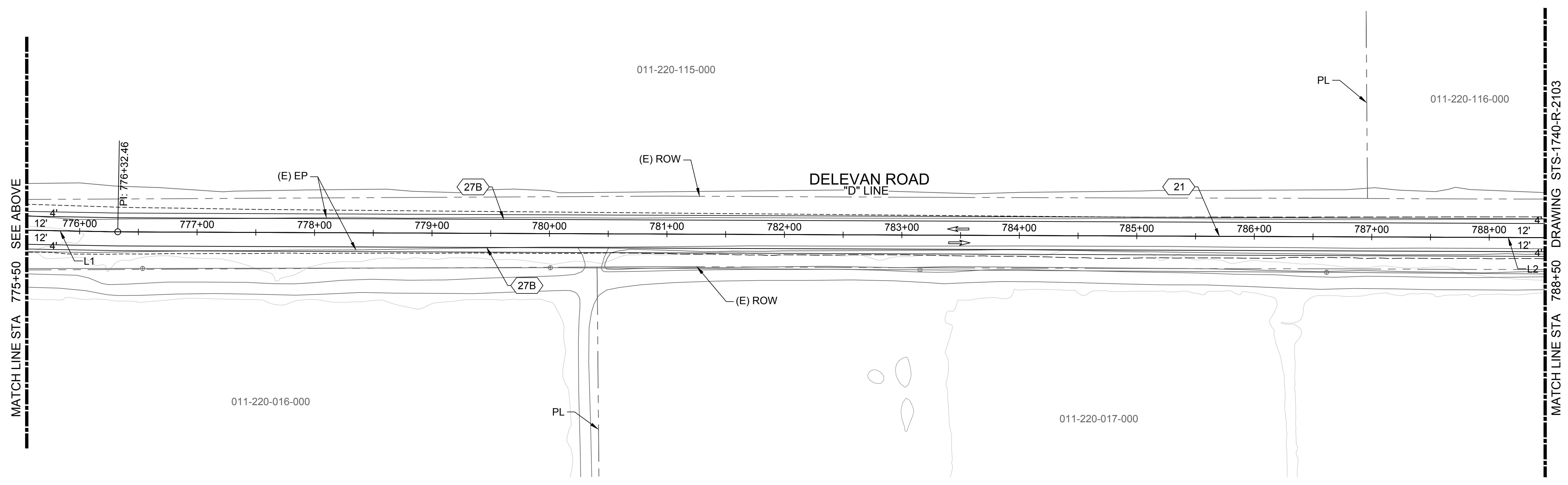
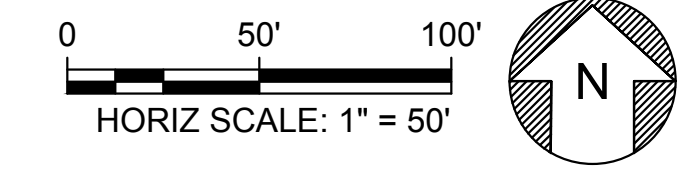
DRAWING NO.
STS-1740-R-1101
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

G
F
E
D
C
B
A



PLAN
HORIZ SCALE: 1" = 50'



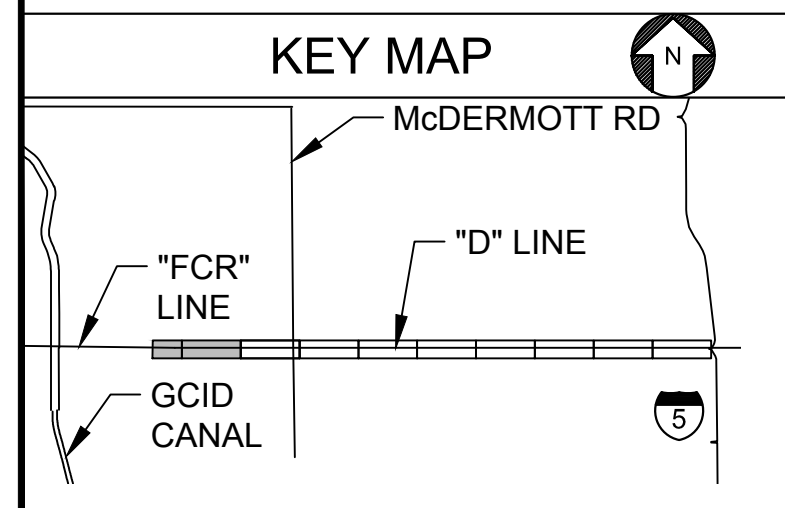
PLAN
HORIZ SCALE: 1" = 50'

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.
- 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 CONSTRUCTION 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.



Plot Date: 3/20/2024 4:13 PM
Saved By: VALDEZ
File: C:\pwworking\hdr_sites_reservoir\dms01634\STS-1740-R-2102.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



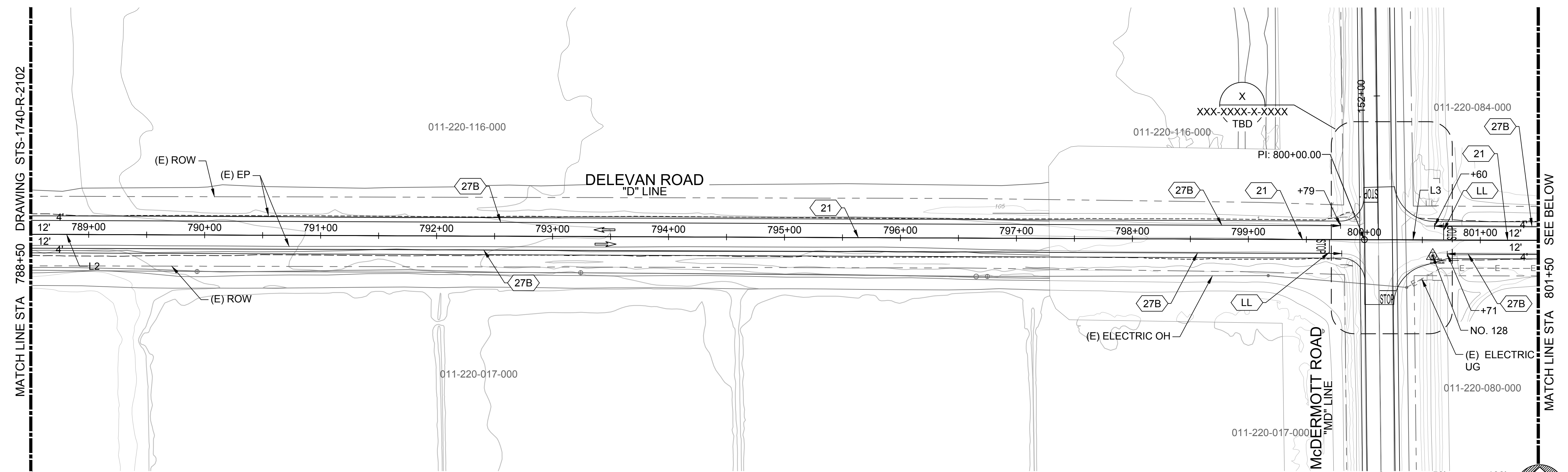
REGISTERED PROFESSIONAL ENGINEER
V. DOCTOLERO
C78231
CALIFORNIA



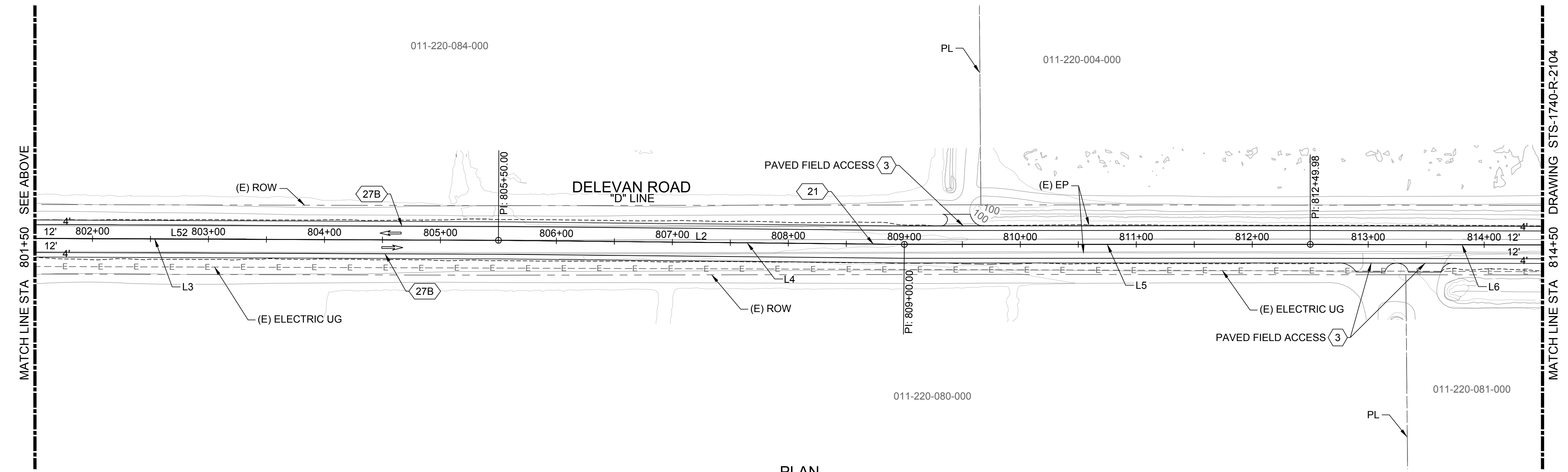
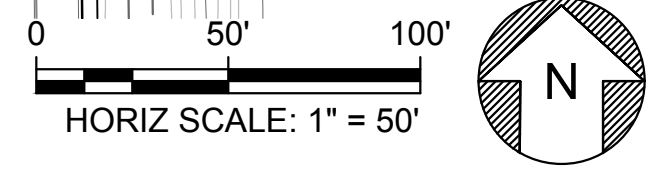
SITES RESERVOIR
SITES RESERVOIR ROADWAY
DELEVAN ROAD
PLAN

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO.
STS-1740-R-2102
SHT OF

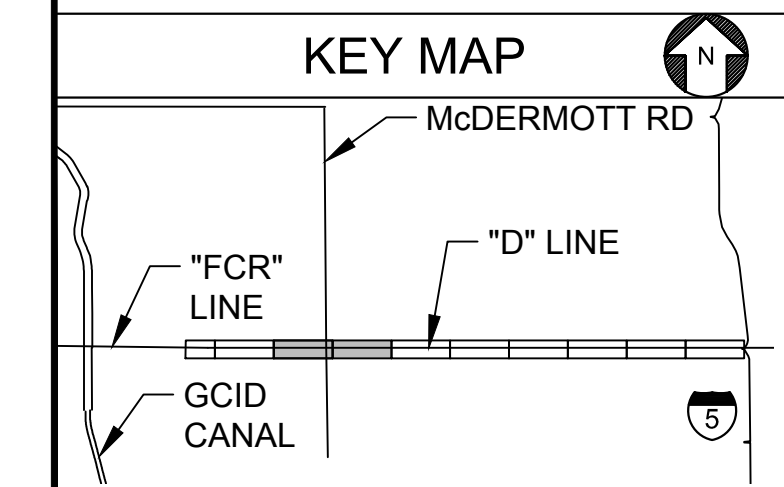
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN
HORIZ SCALE: 1" = 50'



PLAN
HORIZ SCALE: 1" = 50'



Plot Date: 3/20/2024 3:36 PM
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File: c:\pwworking\hdr_sites_reservoir\hdr_sites_reservoir\dms01634\STS-1740-R-2103.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



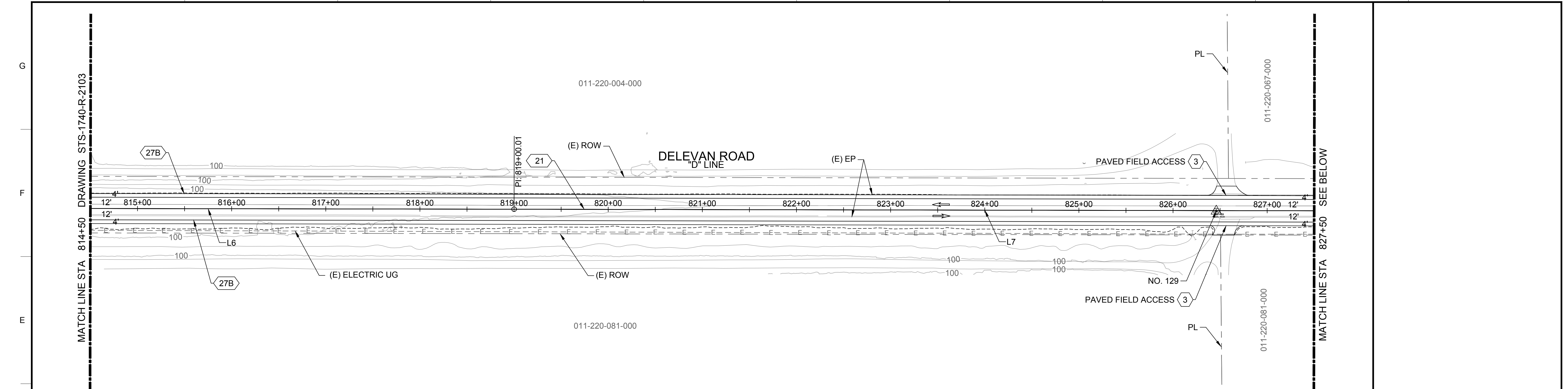
REGISTERED
PROFESSIONAL
ENGINEER
V. DOCTORO
C78231
CALIFORNIA



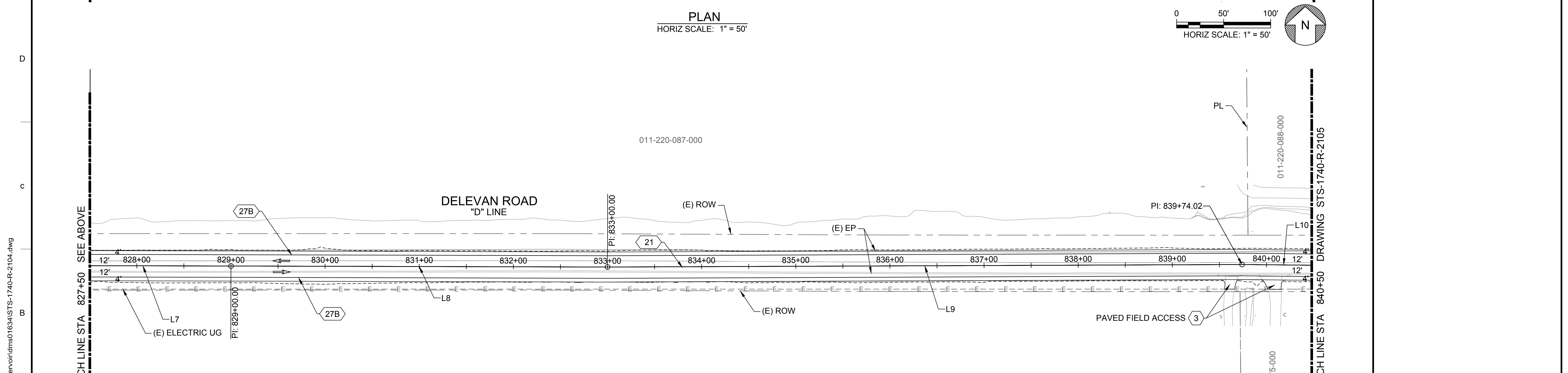
SITES RESERVOIR
SITES RESERVOIR
ROADWAY
DELEVAN ROAD
PLAN

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL
DRAWING. ADJUST SCALES FOR
REDUCED PLOTS
0 50 100 1"
DRAWING NO.
STS-1740-R-2103
SHT OF

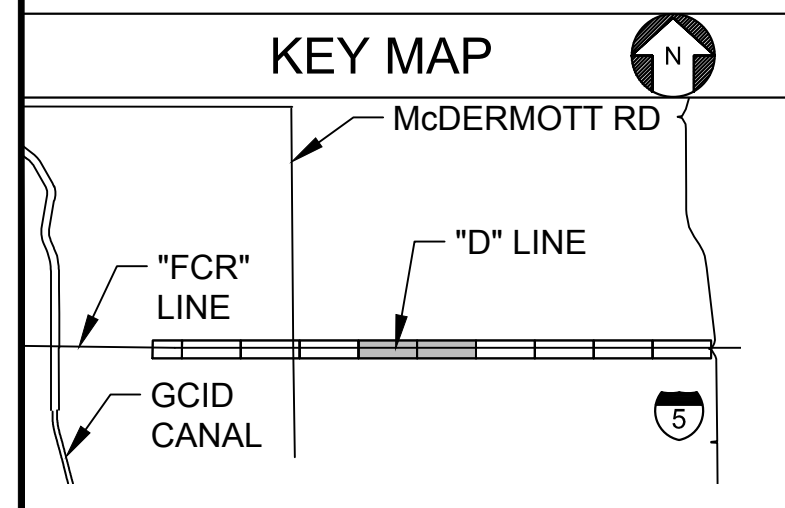
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN
HORIZ SCALE: 1" = 50'



PLAN
HORIZ SCALE: 1" = 50'



Plot Date: 3/20/2024 3:37 PM
 Saved By: VALDEZR
 File: c:\pwworking\hdr_sites_reservoir\dmso1634\STS-1740-R-2104.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED
PROFESSIONAL
ENGINEER
V. DOCTOLERO
C78231
CALIFORNIA

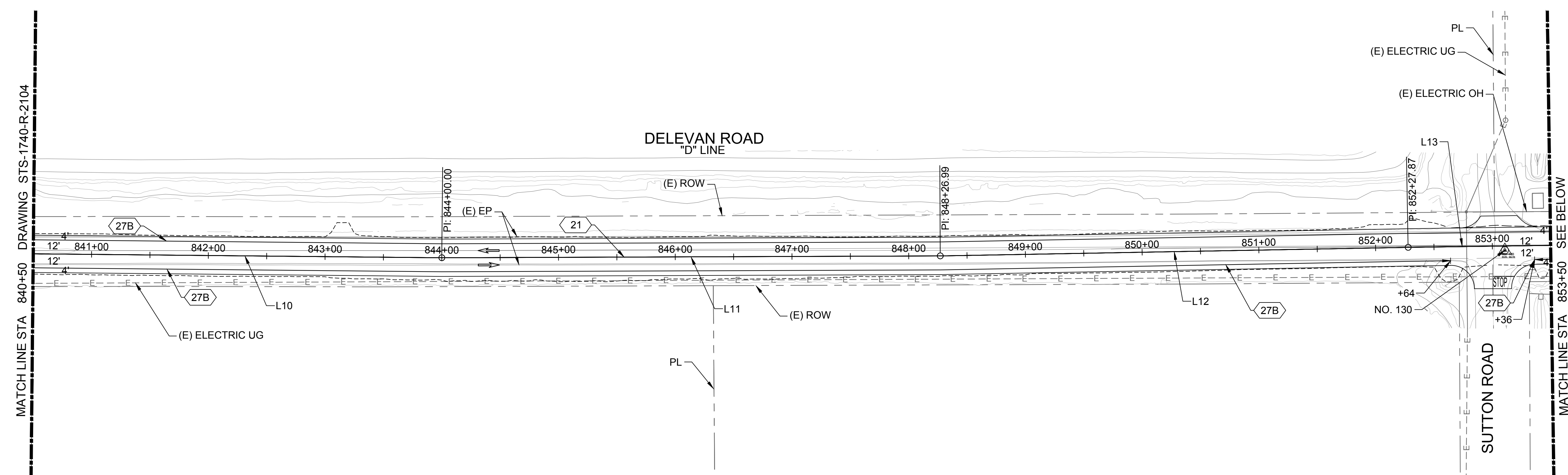


SITES RESERVOIR
 SITES RESERVOIR
ROADWAY
DELEVAN ROAD
PLAN

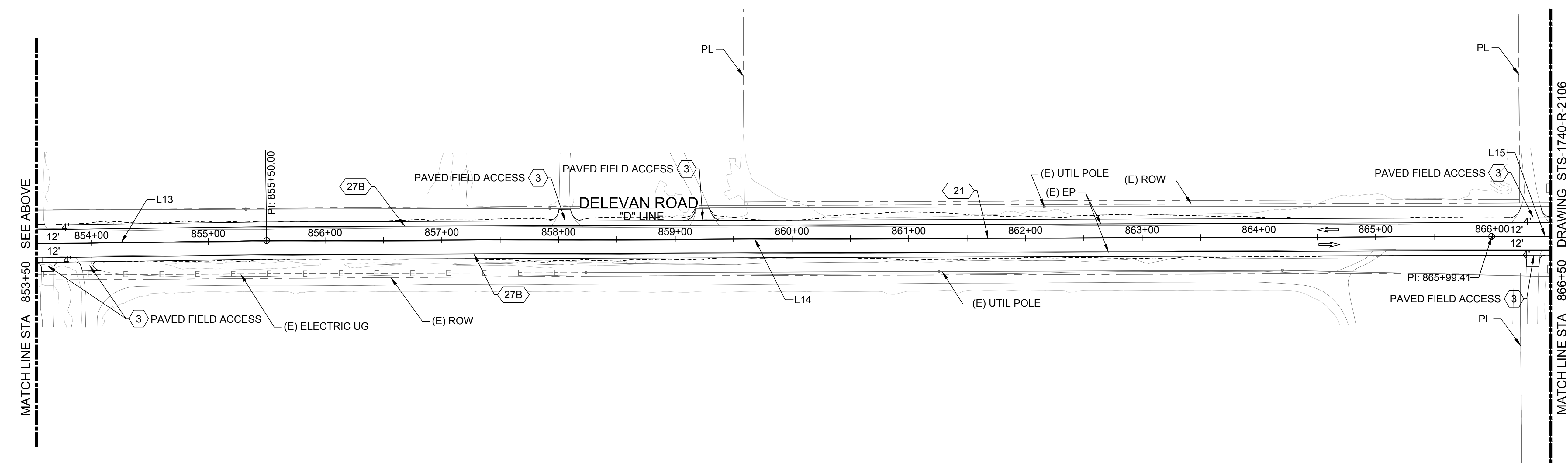
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 BAR IS ONE INCH ON ORIGINAL
DRAWING. ADJUST SCALES FOR
REDUCED PLOTS
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 DRAWING NO.
STS-1740-R-2104
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

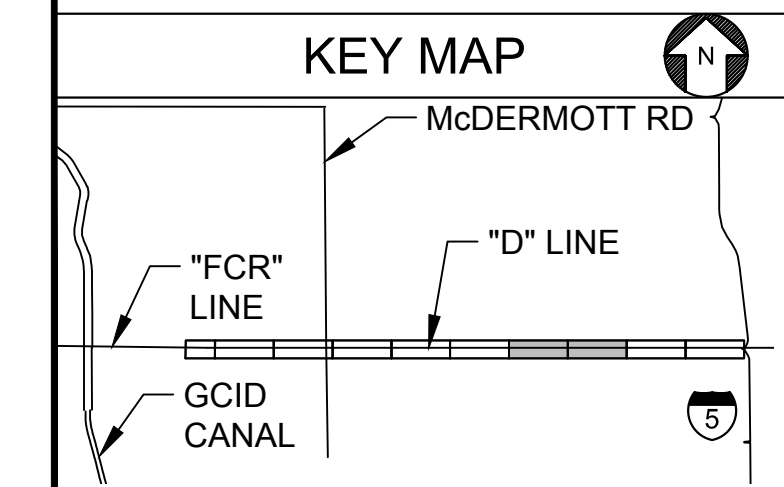
GENERAL NOTES



PLAN
HORIZ SCALE: 1" = 50'



PLAN
HORIZ SCALE: 1" = 50'



Plot Date: 3/20/2024 3:38 PM
Saved By: VALDEZ
File: c:\pwworking\hdr_sites_reservoir\dmso1634\STS-1740-R-2105.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



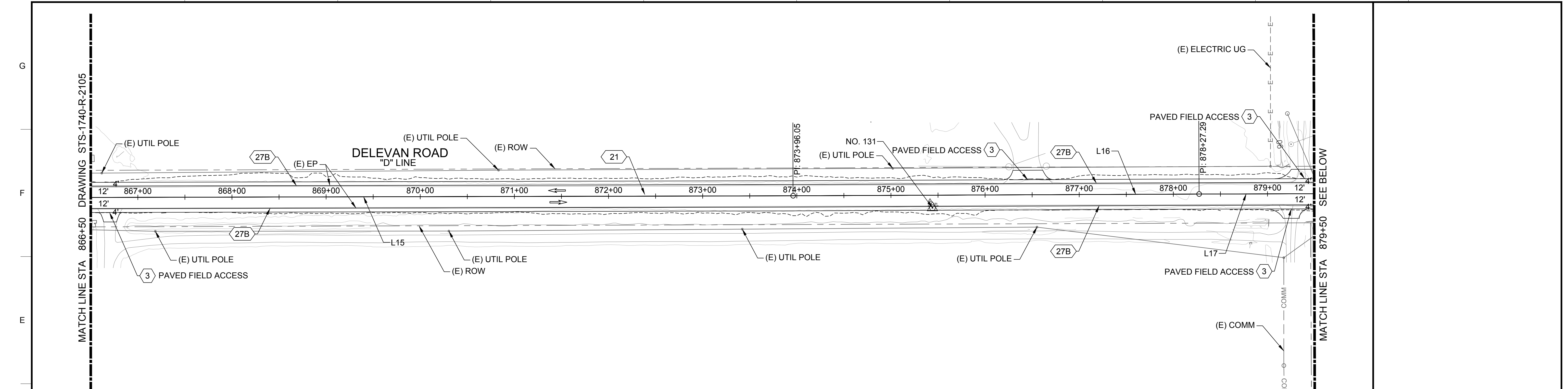
REGISTERED PROFESSIONAL ENGINEER
V. DOCTOLERO
C78231
CALIFORNIA



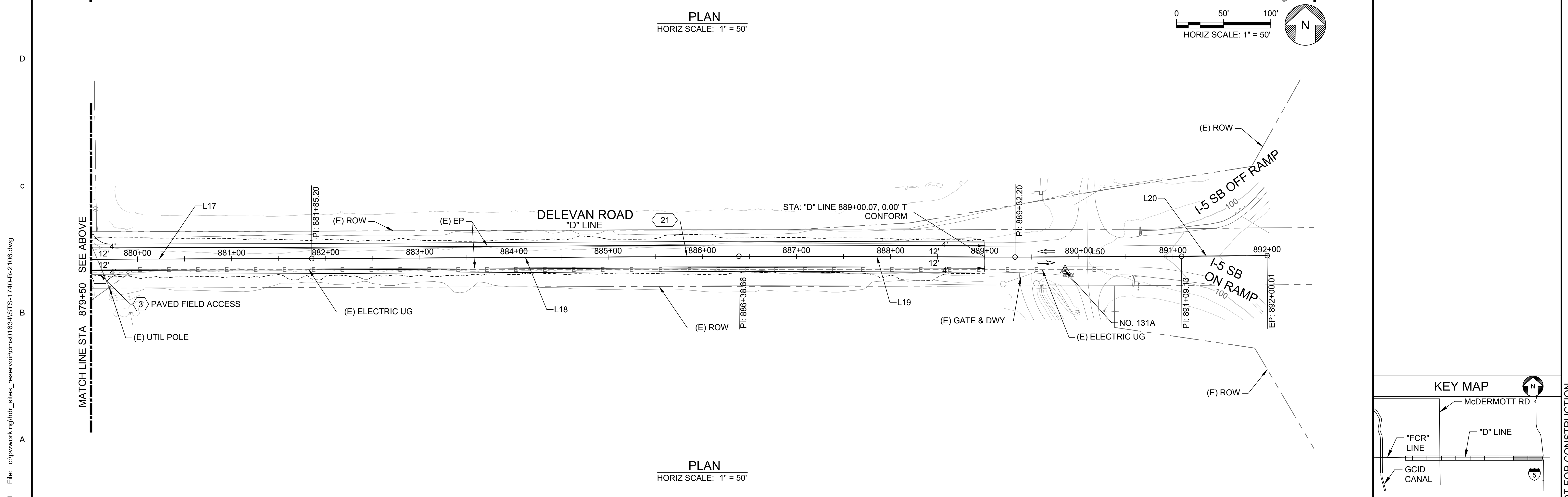
SITES RESERVOIR
SITES RESERVOIR ROADWAY
DELEVAN ROAD
PLAN

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO.
STS-1740-R-2105
SHT OF

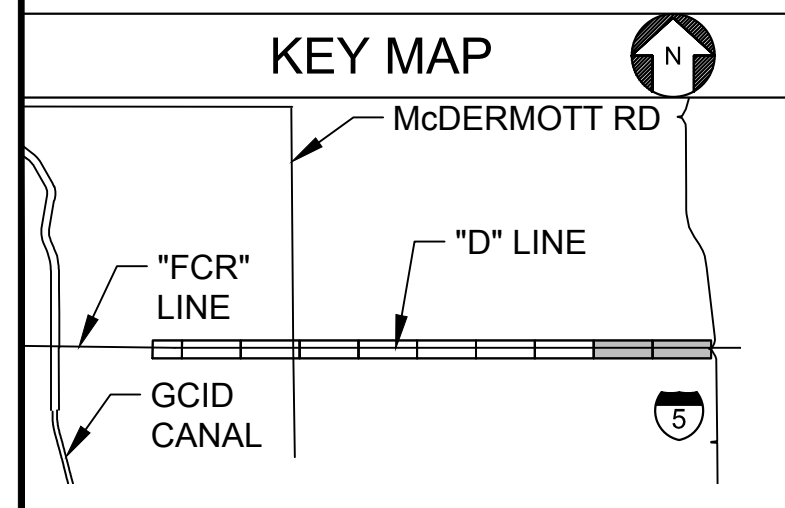
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN
HORIZ SCALE: 1" = 50'



PLAN
HORIZ SCALE: 1" = 50'



Plot Date: 3/20/2024 3:39 PM
 Saved By: VALDEZ
 File: c:\pwworking\hdr_sites_reservoir\hdr_sites_reservoir\dms01634\STS-1740-R-2106.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED
 PROFESSIONAL
 ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



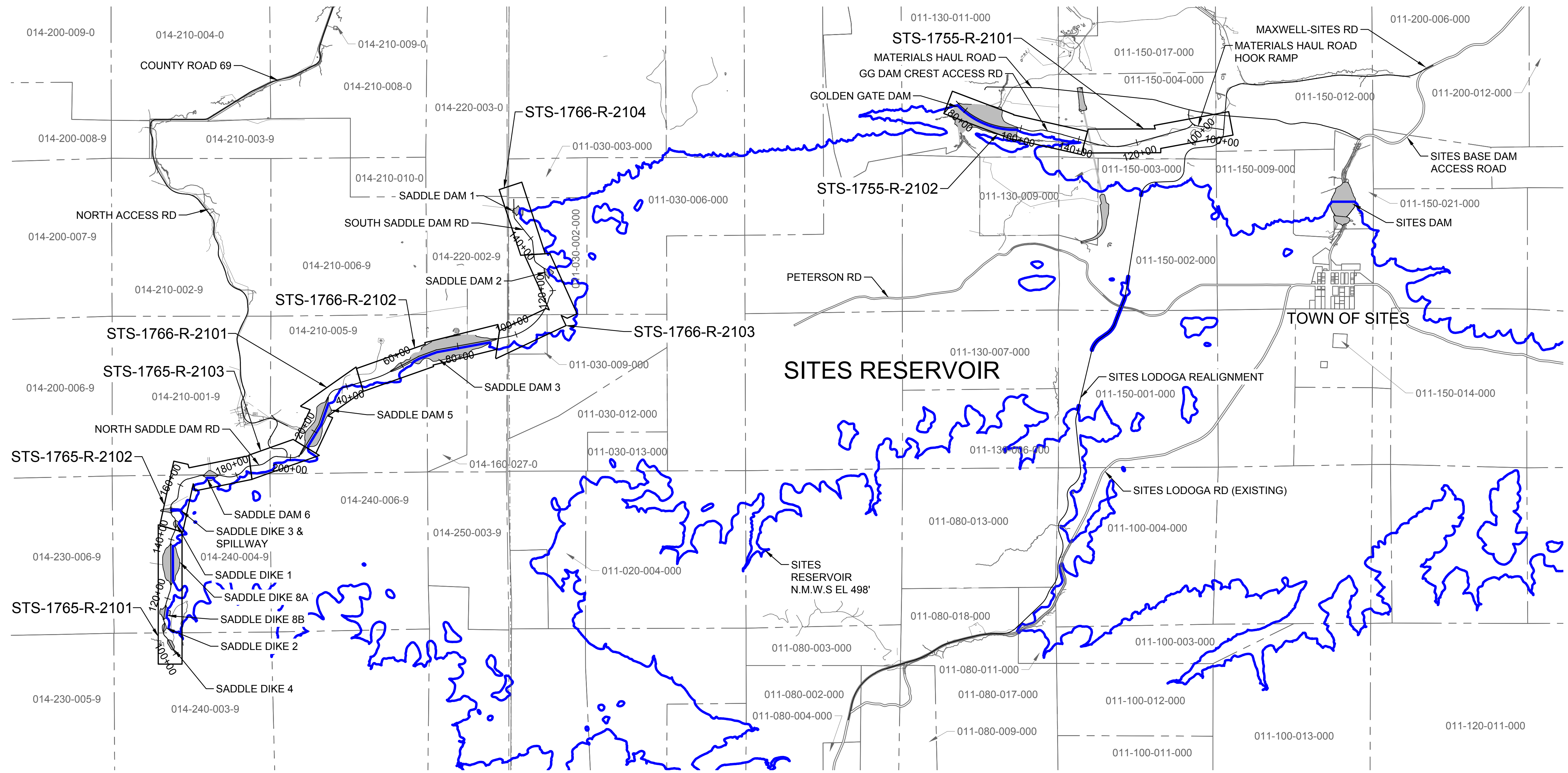
SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 DELEVAN ROAD
 PLAN

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL
 DRAWING. ADJUST SCALES FOR
 REDUCED PLOTS
 0 50' 100' 1"
 DRAWING NO.
 STS-1740-R-2106
 SHT OF

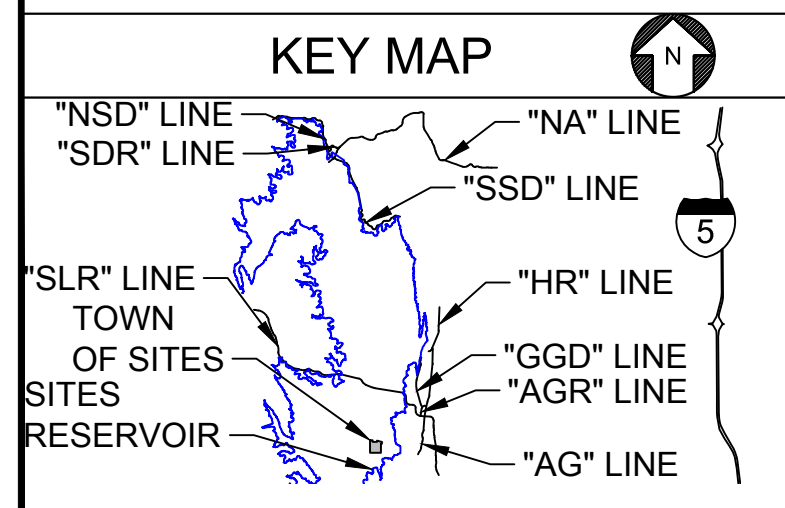
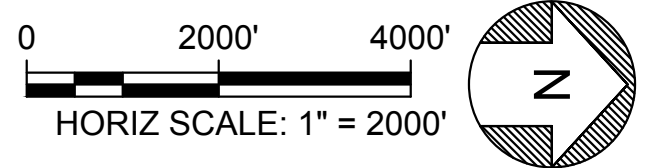
30% SUBMITTAL - NOT FOR CONSTRUCTION

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" = 2000'



Plot Date: 3/21/2024 4:43 PM
 Saved By: SMITHE13
 File: C:\pwworking\hdr_sites_reservoir\dms028593\STS-1750-R-1100.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED
 PROFESSIONAL
 ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



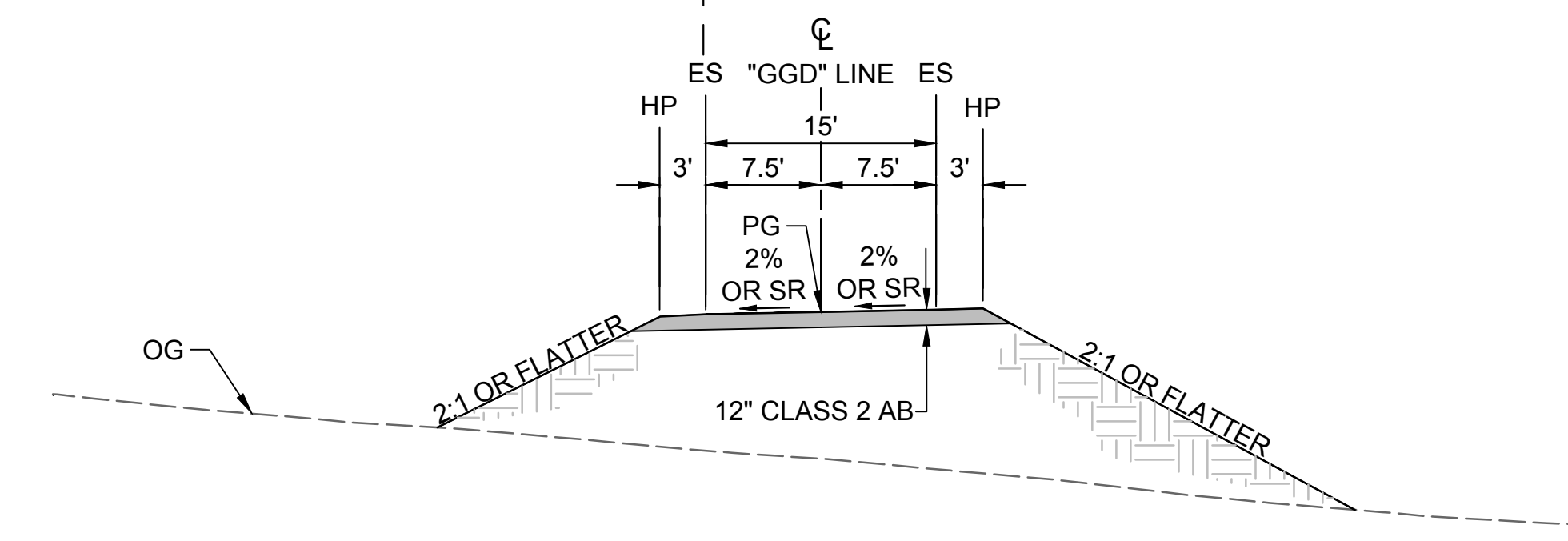
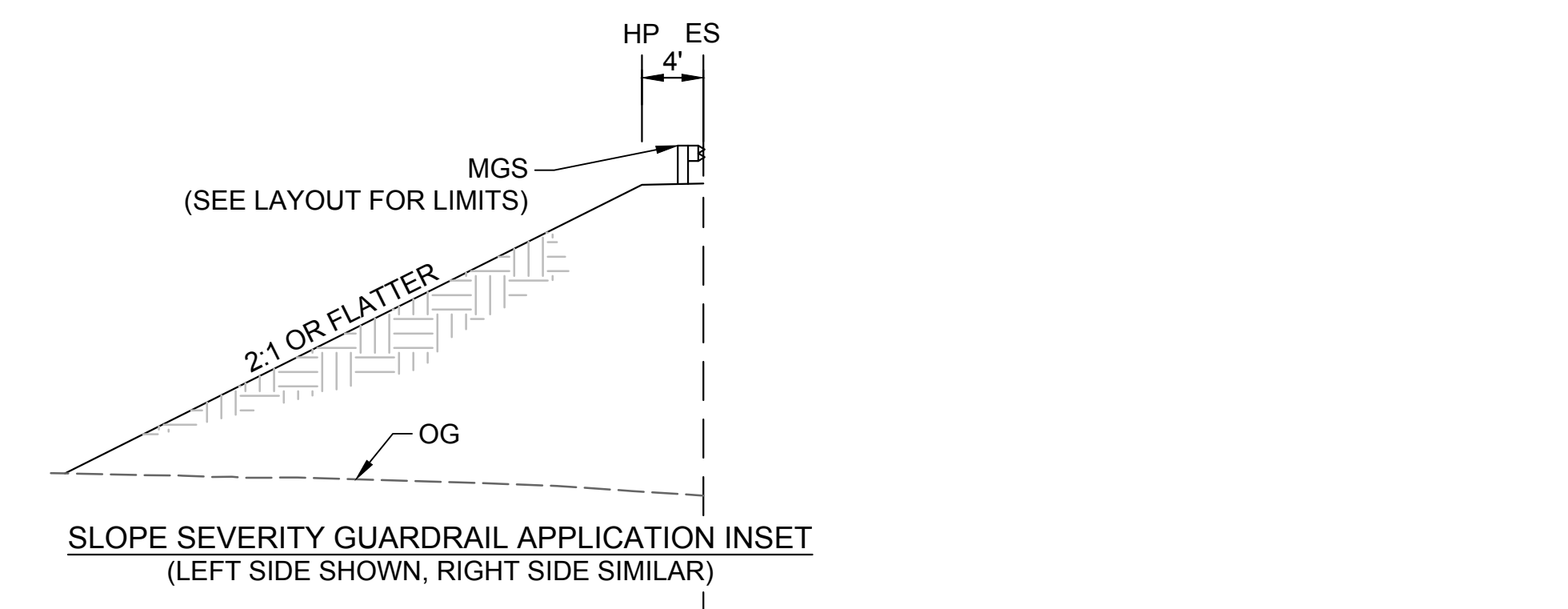
SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 DAM ACCESS ROADS
 KEY MAP INDEX

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL
 DRAWING. ADJUST SCALES FOR
 REDUCED PLOTS
 0 2000 4000
 1"
 DRAWING NO.
 STS-1750-R-1100
 SHT OF

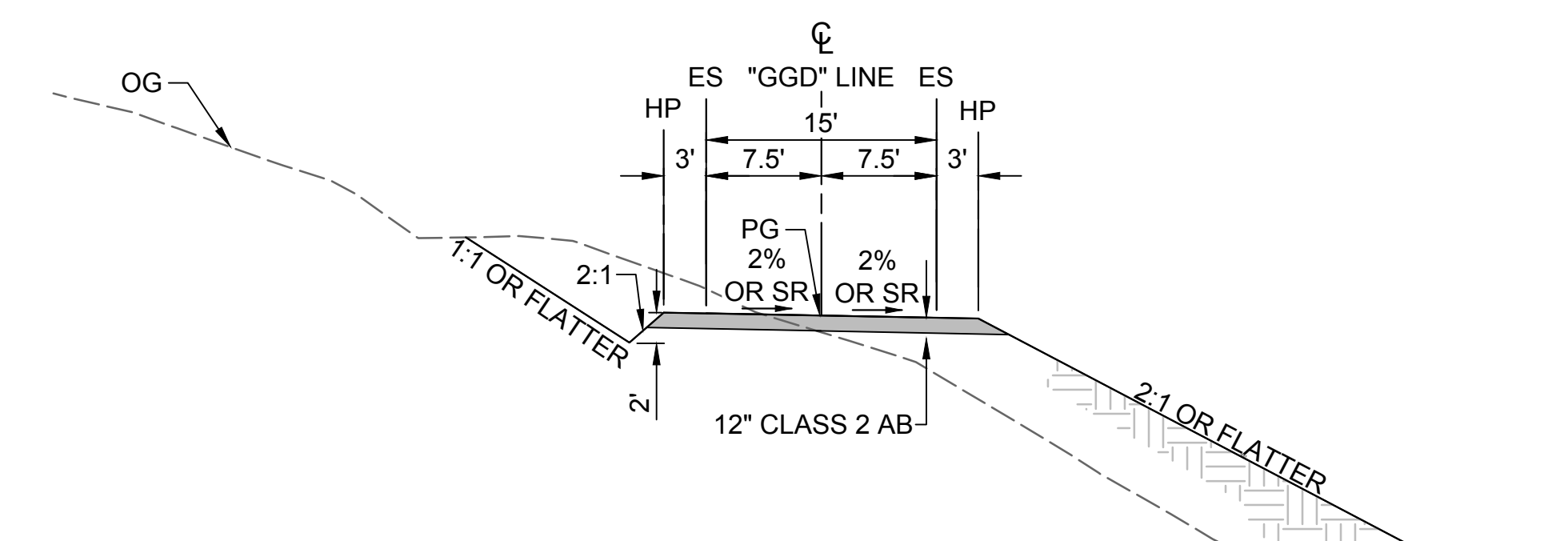
30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

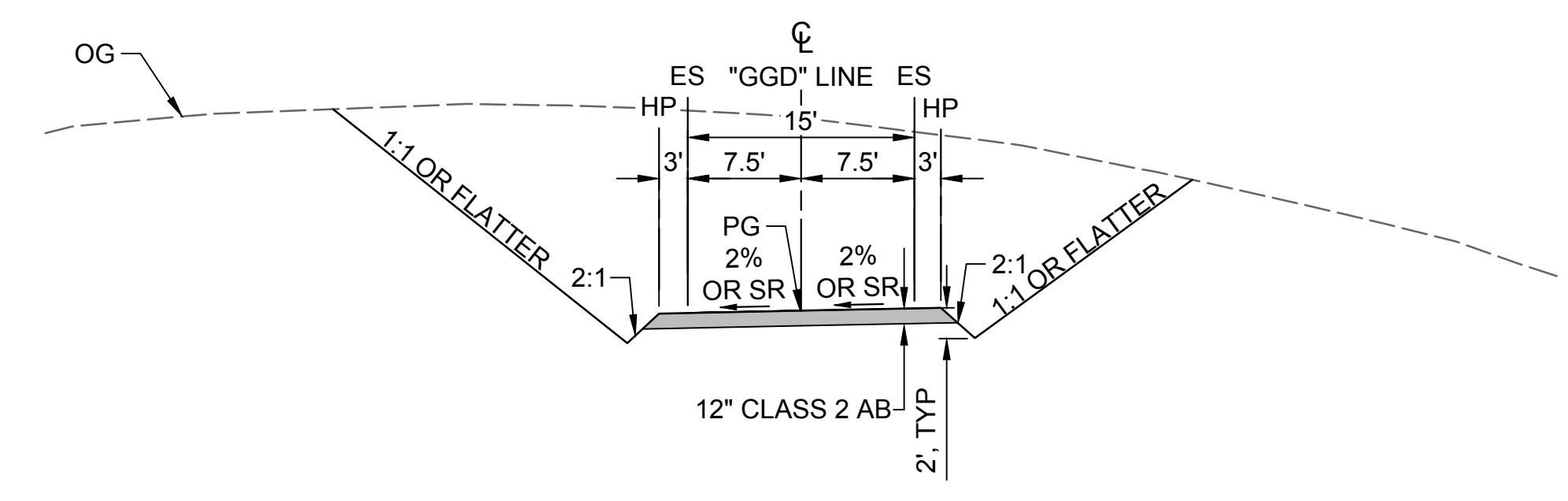
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE CALTRANS STANDARD SPECIFICATIONS. PAVEMENT STRUCTURAL SECTIONS ARE PENDING GEOTECHNICAL INVESTIGATIONS.
2. SUPERELEVATION RATES ARE SHOWN ON THE SUPERELEVATION DIAGRAMS. REFER TO THE PROFILE AND 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.
6. ROADWAY IS SLOPED TOWARDS THE RESERVOIR FOR DRAINAGE PURPOSES.



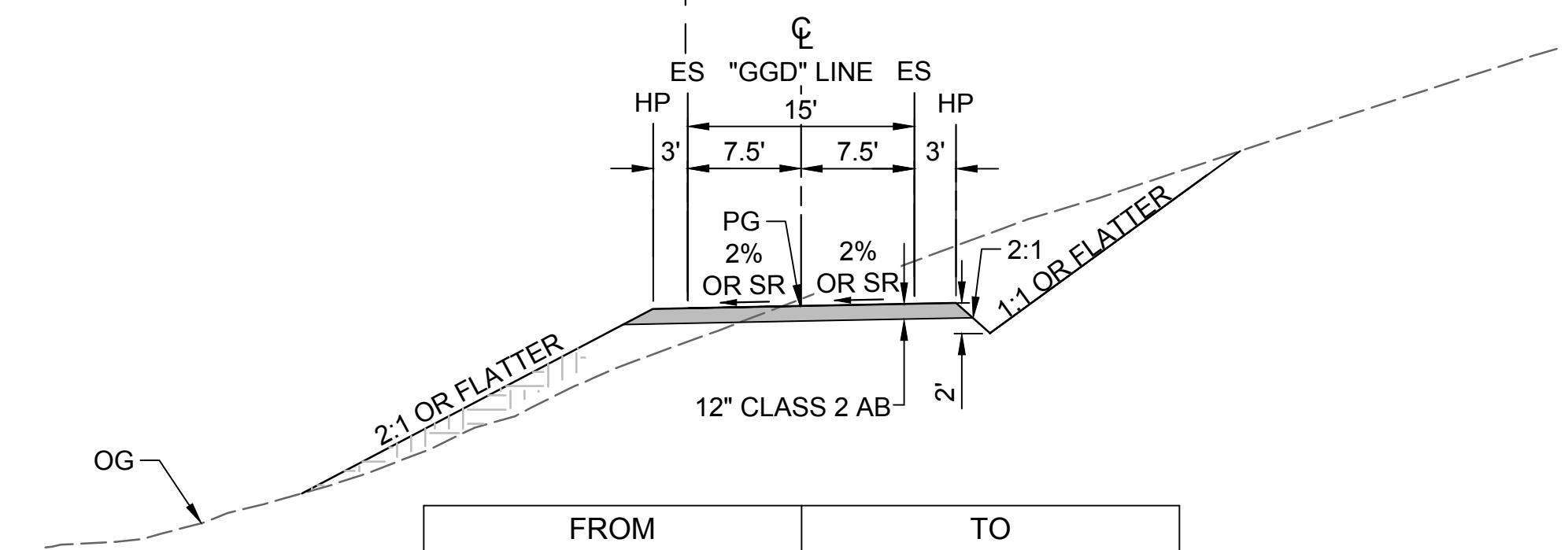
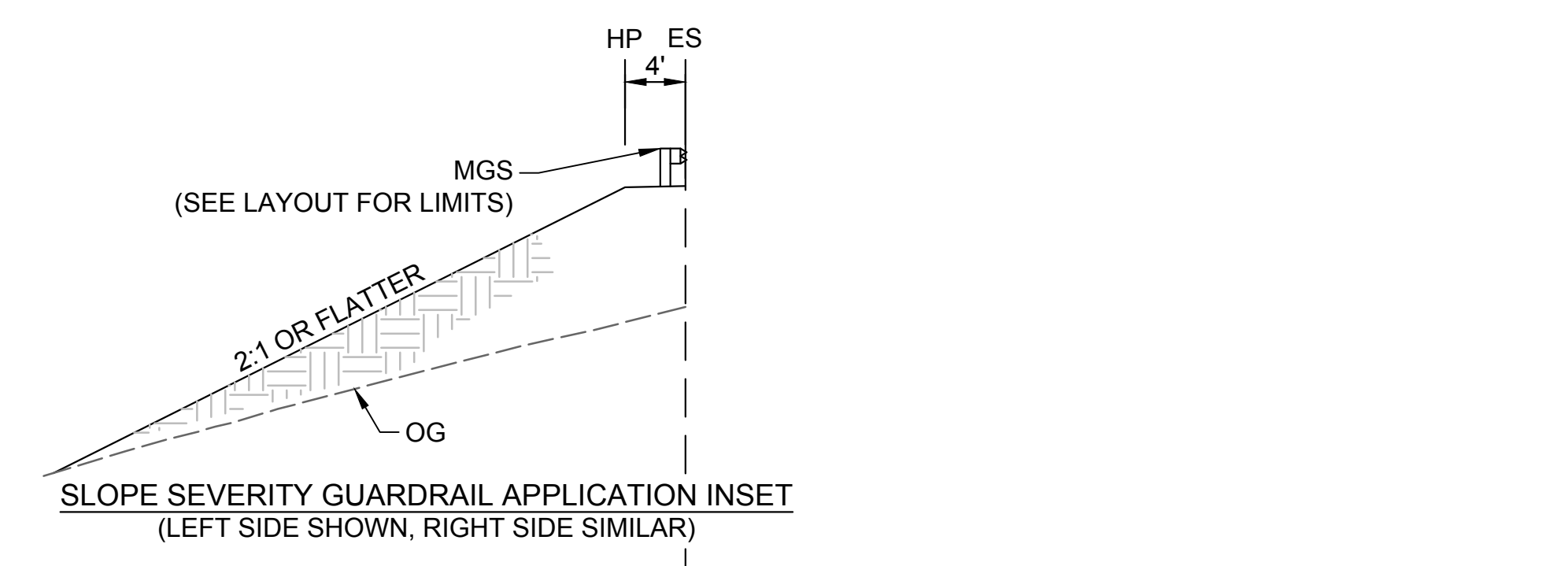
FROM	TO
120+00.00	123+00.00
133+60.00	134+60.00
140+90.00	142+20.00



FROM	TO
123+00.00	123+80.00



FROM	TO
100+00.00	102+00.00
106+00.00	120+00.00
123+80.00	127+60.00
131+00.00	132+70.00
135+70.00	138+60.00
145+50.00	148+50.00
149+60.00	151+60.00
153+20.00	156+80.00
160+90.00	161+52.53



FROM	TO
132+70.00	133+60.00
134+60.00	135+70.00
138+60.00	140+90.00
148+50.00	149+60.00
151+60.00	153+20.00

"GGD" LINE
HORIZ SCALE: NO SCALE

Plot Date: 3/22/2024 12:21 PM File: C:\pwworking\hdr_sites_reservoir\dms01440\STS-1755-R-1101.dwg Saved By: SMITHET3

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
M. WOLFE
DRAWN BY:
S. KHOYGANI
CHECKED BY:
A. GLEN
IN CHARGE:
H. MICHAEL
DATE:
3/15/24



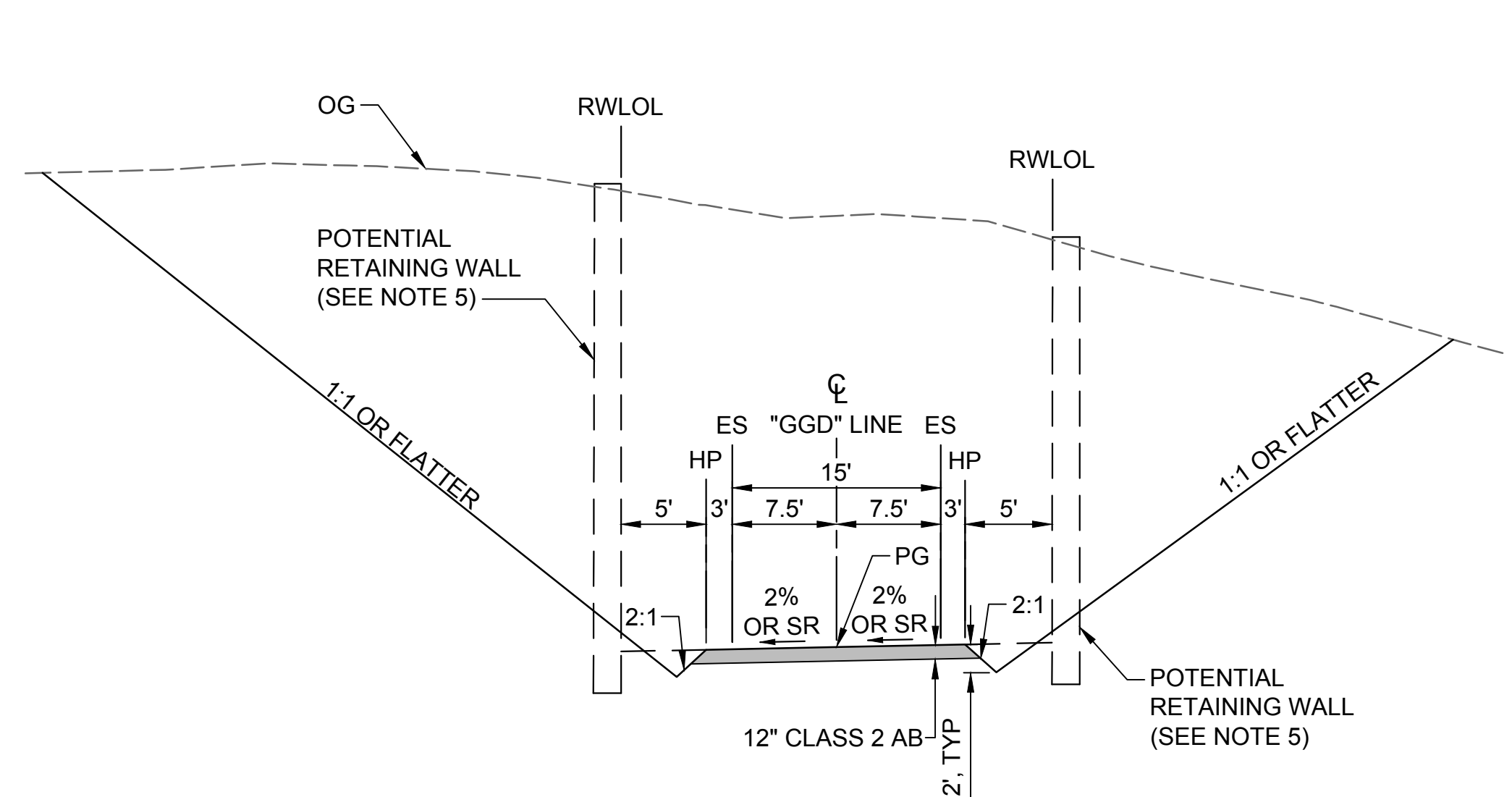
REGISTERED
PROFESSIONAL
ENGINEER
V. DOCOTLERO
C78231
CALIFORNIA



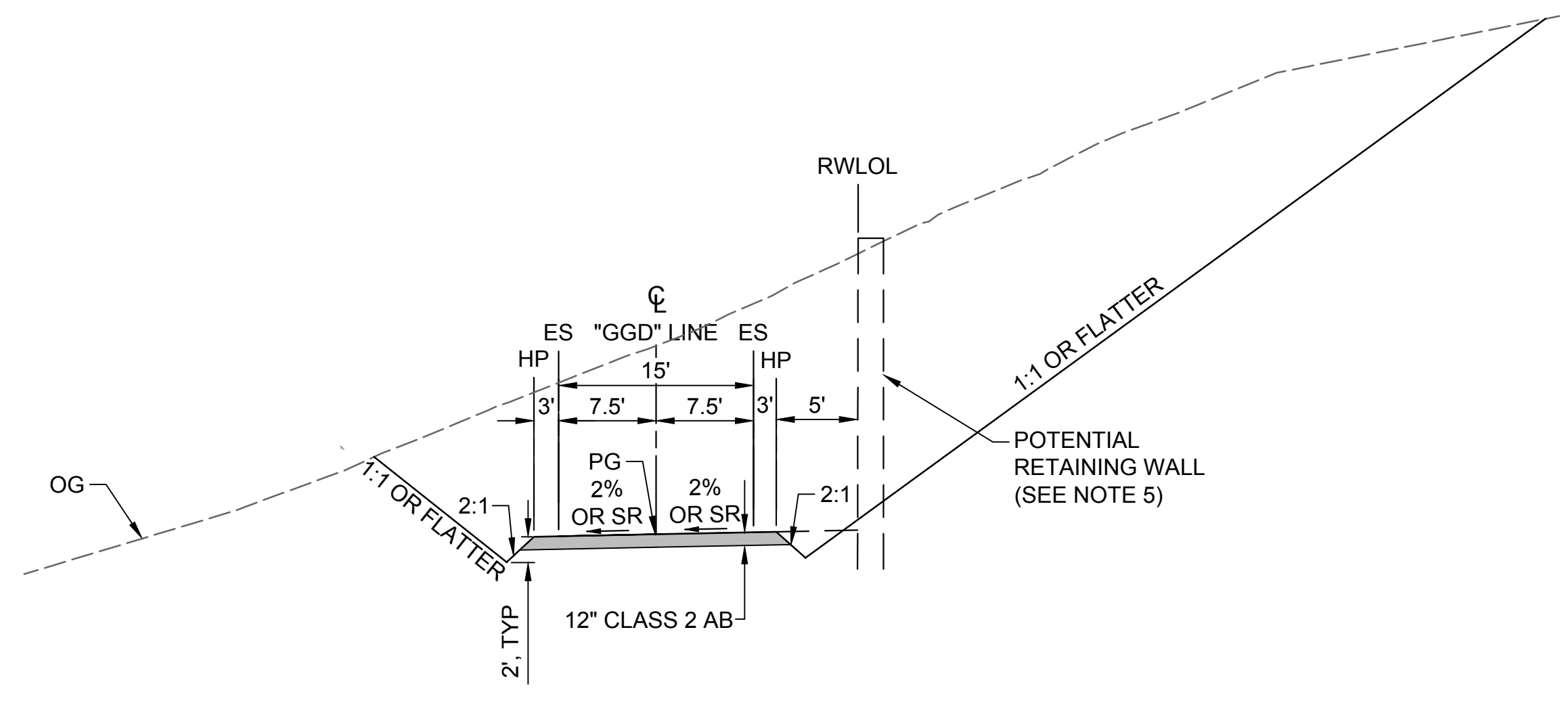
SITES RESERVOIR
SITES RESERVOIR
ROADWAY
GOLDEN GATE DAM CREST ACCESS ROAD
TYPICAL SECTIONS

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL
DRAWING. ADJUST SCALES FOR
REDUCED PLOTS
0 1"
DRAWING NO.
STS-1755-R-1101
SHT OF

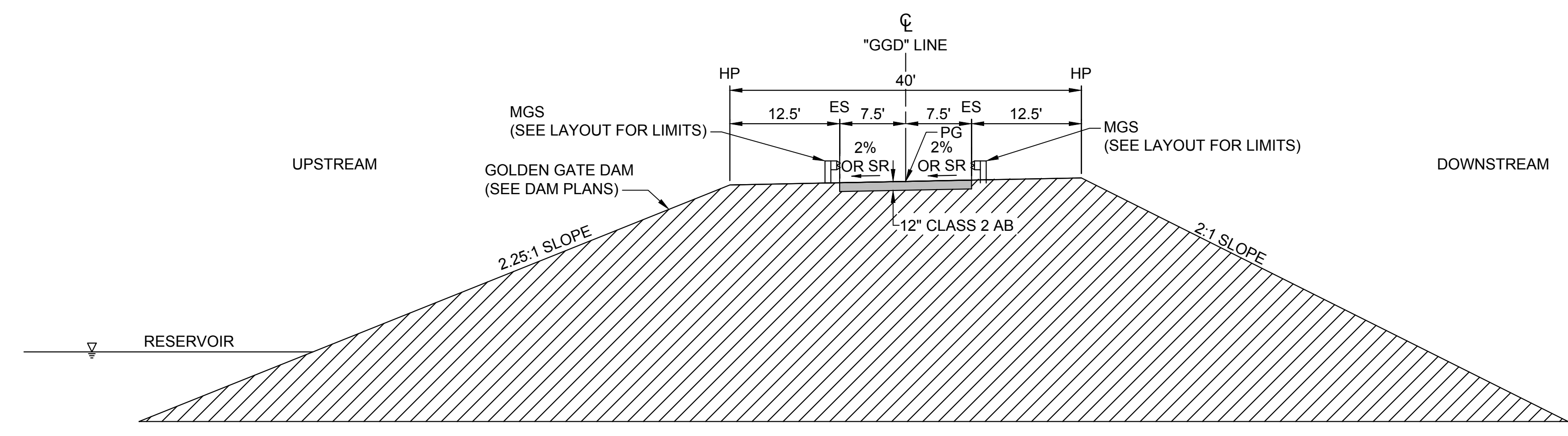
30% SUBMITTAL - NOT FOR CONSTRUCTION



FROM	TO
102+00.00	106+00.00
127+60.00	131+00.00
143+50.00	145+50.00
158+70.00	160+90.00
183+65.15	184+39.08



FROM	TO
142+20.00	143+50.00
156+80.00	158+70.00



FROM	TO
161+52.53	183+65.15

"GGD" LINE
HORIZ SCALE: NO SCALE

Plot Date: 3/22/2024 12:23 PM File: C:\pwworking\hdr_sites_reservoir\dms01440\STS-1755-R-1102.dwg
Saved By: SMITHE13

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
M. WOLFE
DRAWN BY:
S. KHOYGANI
CHECKED BY:
A. GLEN
IN CHARGE:
H. MICHAEL
DATE:
3/15/24



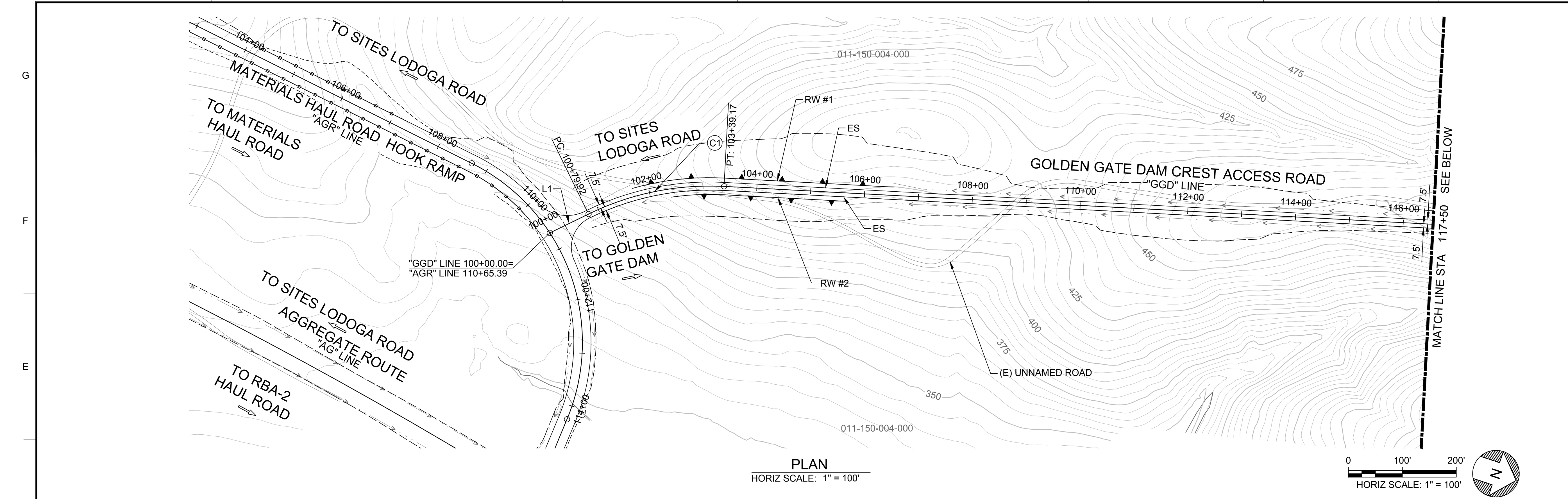
REGISTERED
PROFESSIONAL
ENGINEER
V. DOCOTLERO
C78231
CALIFORNIA



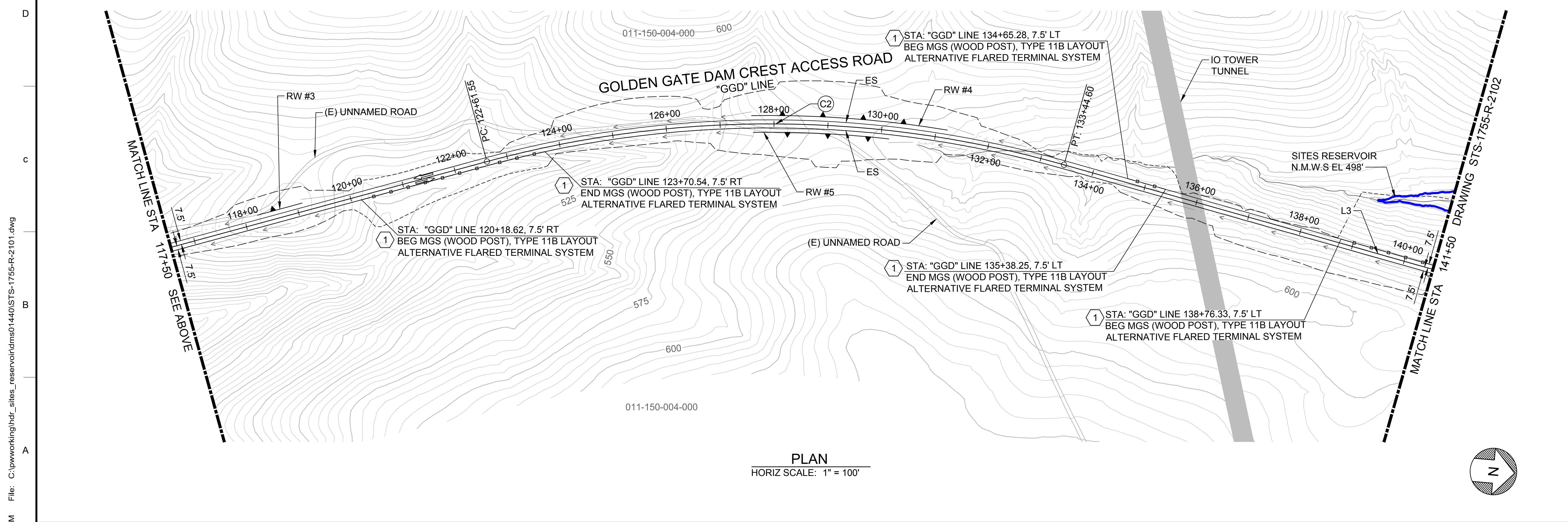
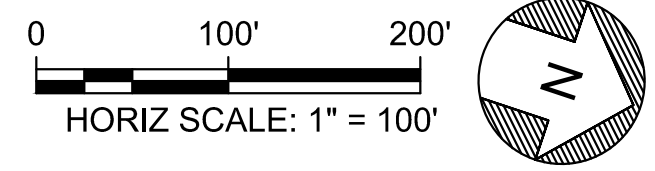
SITES RESERVOIR
SITES RESERVOIR
ROADWAY
GOLDEN GATE DAM CREST ACCESS ROAD
TYPICAL SECTIONS

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL
DRAWING. ADJUST SCALES FOR
REDUCED PLOTS
0 1"
DRAWING NO.
STS-1755-R-1102
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN
HORIZ SCALE: 1" = 100'



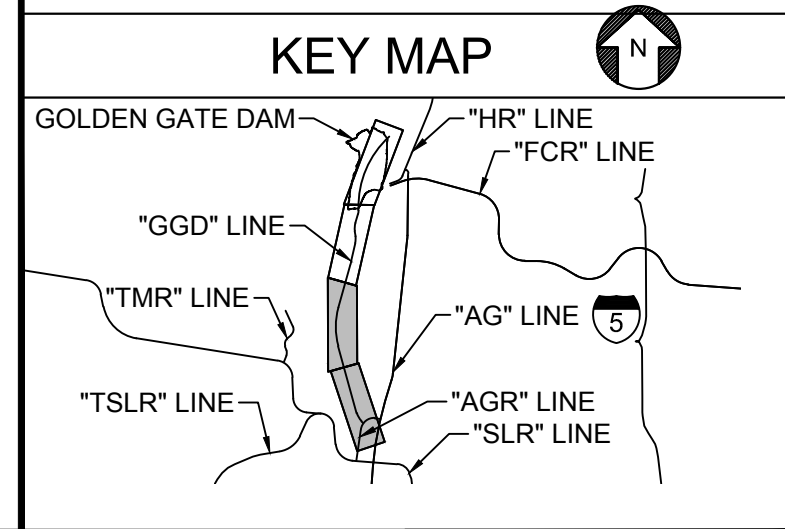
PLAN
HORIZ SCALE: 1" = 100'

GENERAL NOTES

1. FOR EXISTING ELEMENTS TO BE REMOVED, ABANDONED, OR RESET, REFER TO THE DEMOLITION SHEETS. THESE WILL BE DEVELOPED IN A LATER DESIGN PHASE.
2. FOR GOLDEN GATE DAM ALIGNMENT, SEE DAM SHEETS.
3. RIGHT OF WAY DATA SHOWN IS FROM COUNTY GIS DATA PROVIDED IN 2020.
4. REFER TO CONSTRUCTION DETAIL SHEETS FOR ADDITIONAL INFORMATION NOT SHOWN.
5. GEOTECHNICAL INFORMATION AND FIELD INVESTIGATIONS NEEDED TO DETERMINE CUT AND FILL SLOPES AND RETAINING WALL LIMITS. POTENTIAL RETAINING WALL PLACEMENT IS PRELIMINARY.
6. PROPOSED DRAINAGE CULVERTS, BOX CULVERTS, AND DITCHES ARE CONCEPTUAL FOR 30% DESIGN. HYDROLOGY AND HYDRAULIC ANALYSIS WILL BE PERFORMED IN A LATER DESIGN PHASE TO APPROPRIATELY SIZE FOR ROADWAY DRAINAGE AND CONVEYANCE.
7. 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

1. GUARD RAILING LIMITS SHOWN ARE PRELIMINARY AND WILL BE FURTHER EVALUATED AT A LATER DESIGN PHASE.



File: C:\pwworking\hdr_sites_reservoir\dms01440\STS-1755-R-2101.dwg
 Plot Date: 3/20/2024 9:10 PM
 Saved By: KRICKORIANE

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
M. WOLFE
 DRAWN BY:
M. WOLFE
 CHECKED BY:
A. GLEN
 IN CHARGE:
H. MICHAEL
 DATE:
3/15/24

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

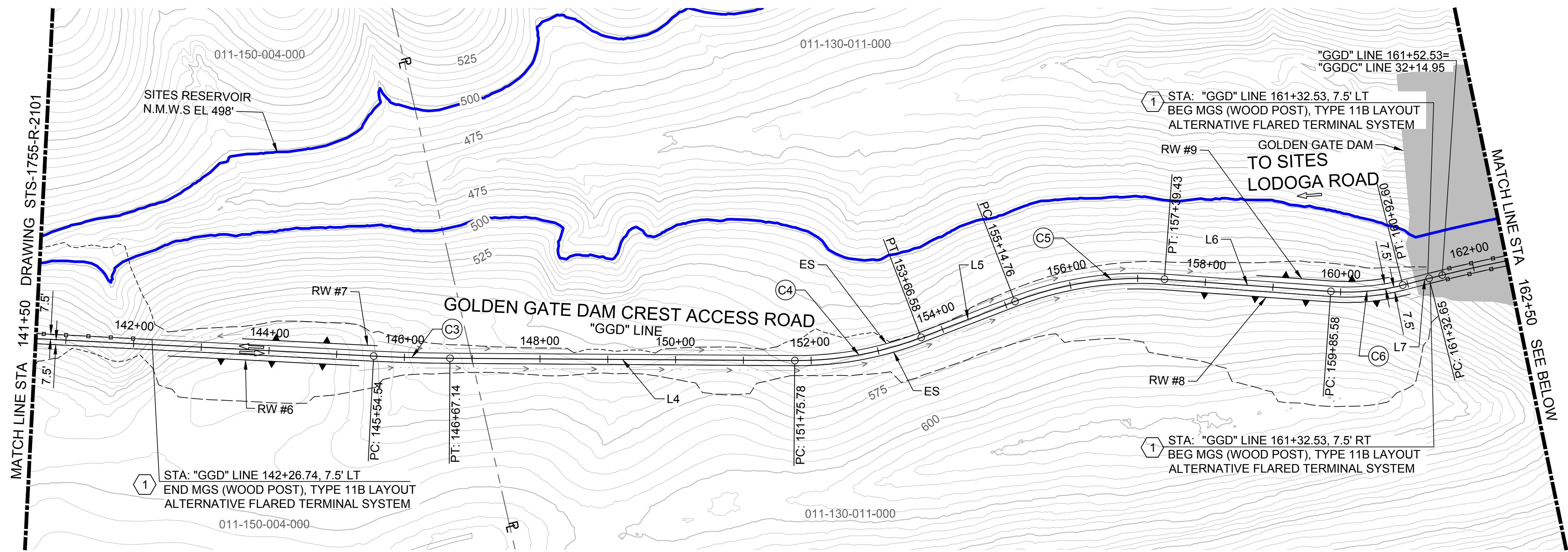
REGISTERED
 PROFESSIONAL
 ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA

SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 GOLDEN GATE DAM CREST ACCESS ROAD
 PLAN

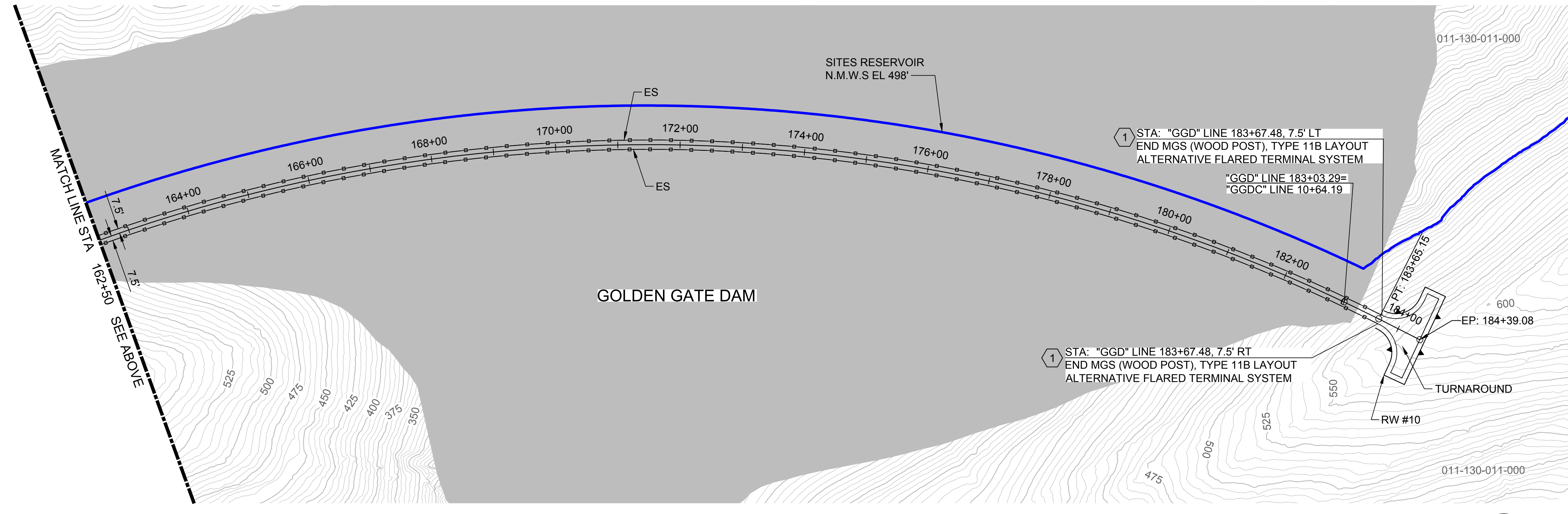
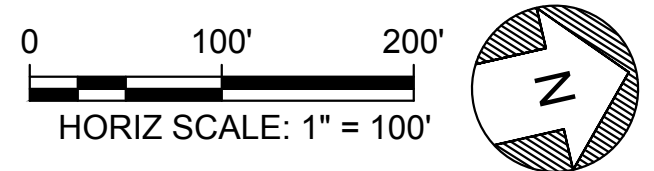
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL
 DRAWING. ADJUST SCALES FOR
 REDUCED PLOTS
 0 100 1"
 DRAWING NO.
 STS-1755-R-2101
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

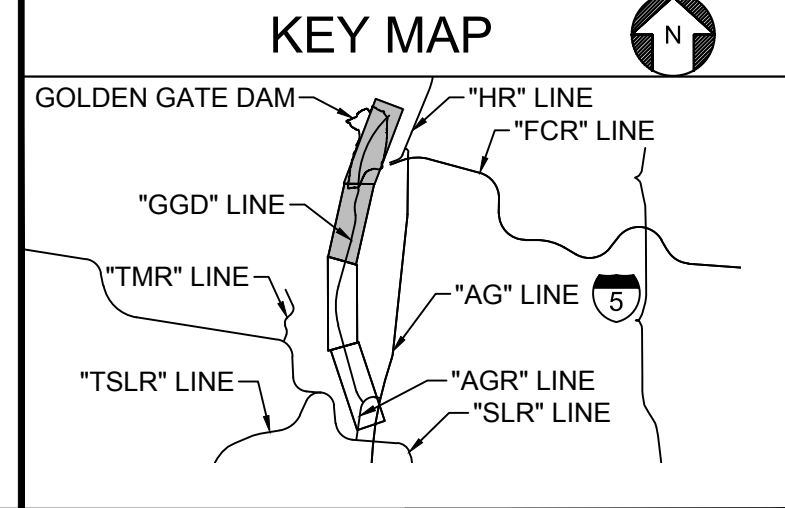
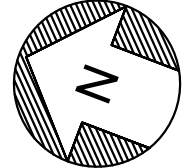
Plot Date: 3/20/2024 9:58 PM
 Saved By: KRICKORIANE
 File: C:\pwworking\hdr_sites_reservoir\dms01440\STS-1755-R-2102.dwg



PLAN
HORIZ SCALE: 1" = 100'



PLAN
HORIZ SCALE: 1" = 100'



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: M. WOLFE
 DRAWN BY: M. WOLFE
 CHECKED BY: A. GLEN
 IN CHARGE: H. MICHAEL
 DATE: 3/15/24



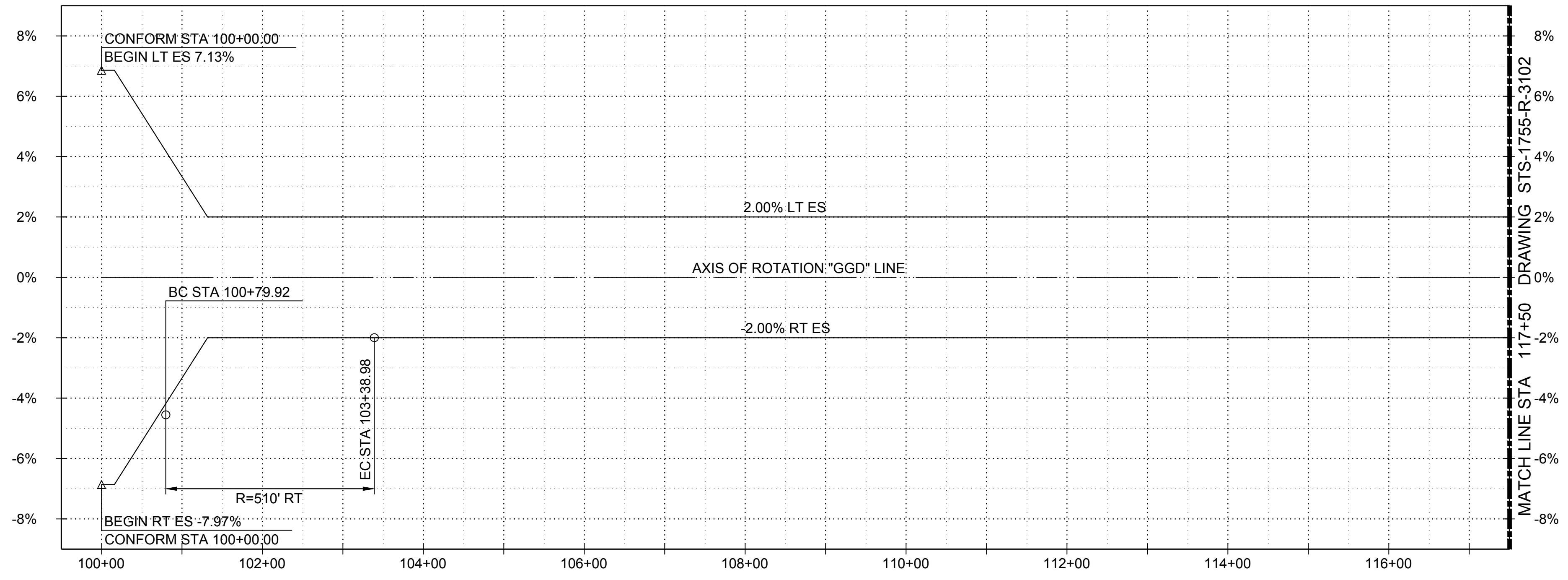
REGISTERED PROFESSIONAL ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



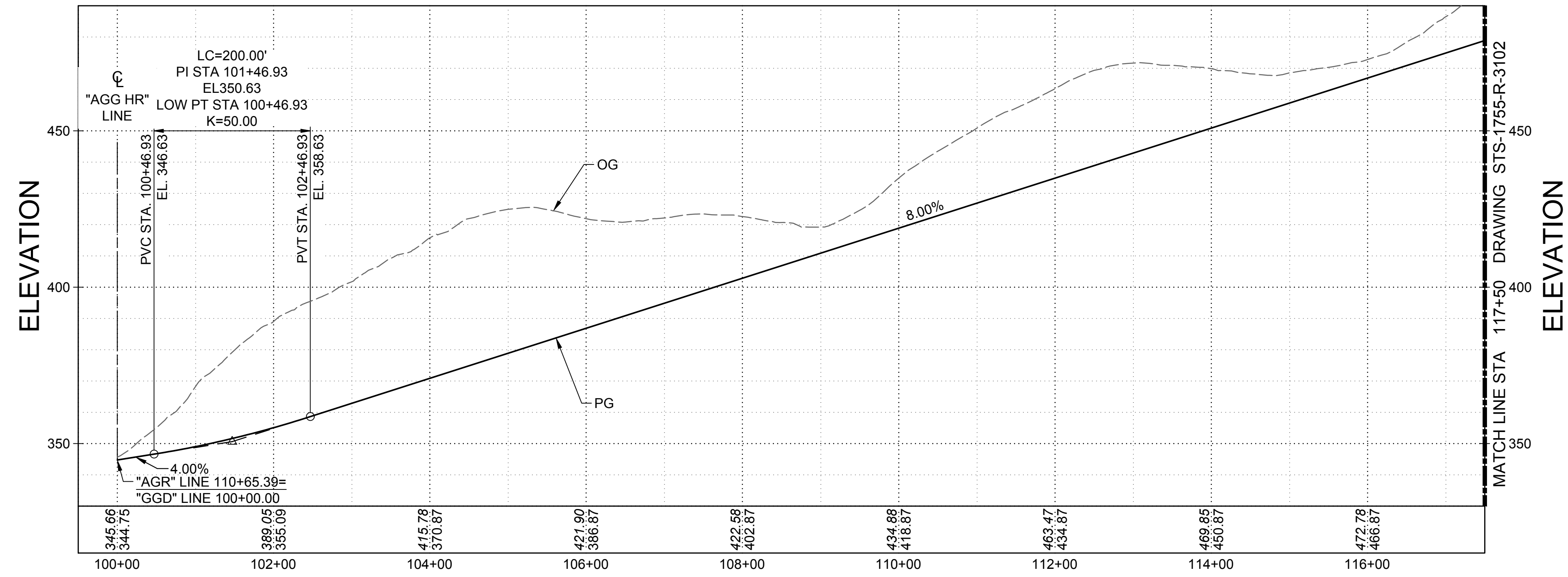
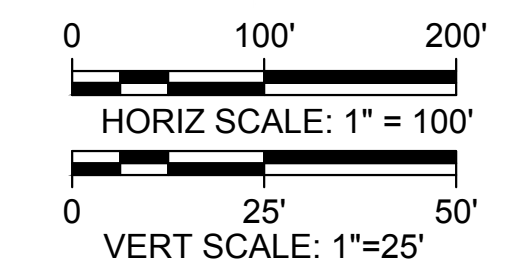
SITES RESERVOIR
 SITES RESERVOIR ROADWAY
 GOLDEN GATE DAM CREST ACCESS ROAD
 PLAN

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
 0 100 1"
 DRAWING NO. STS-1755-R-2102
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



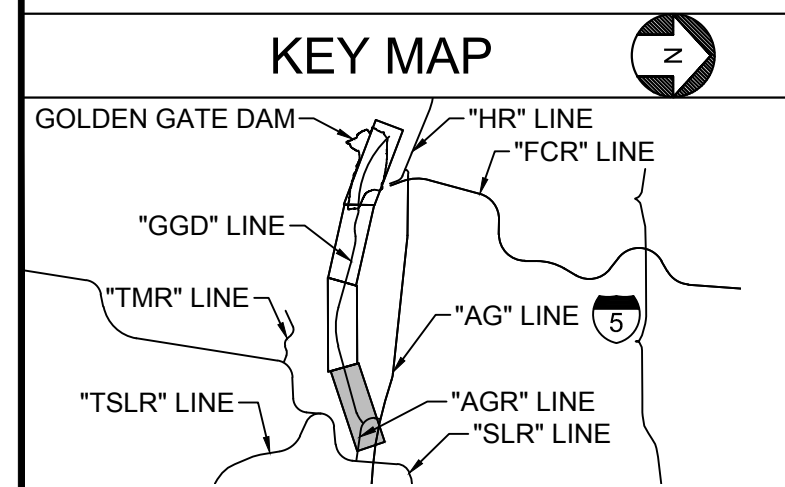
SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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.



Plot Date: 3/20/2024 7:40 PM
 Saved By: WOLFEM1
 File: C:\pwworking\hdr_sites_reservoir\dms01440\STS-1755-R-3101.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
M. WOLFE
 DRAWN BY:
M. WOLFE
 CHECKED BY:
A. GLEN
 IN CHARGE:
H. MICHAEL
 DATE:
3/15/24



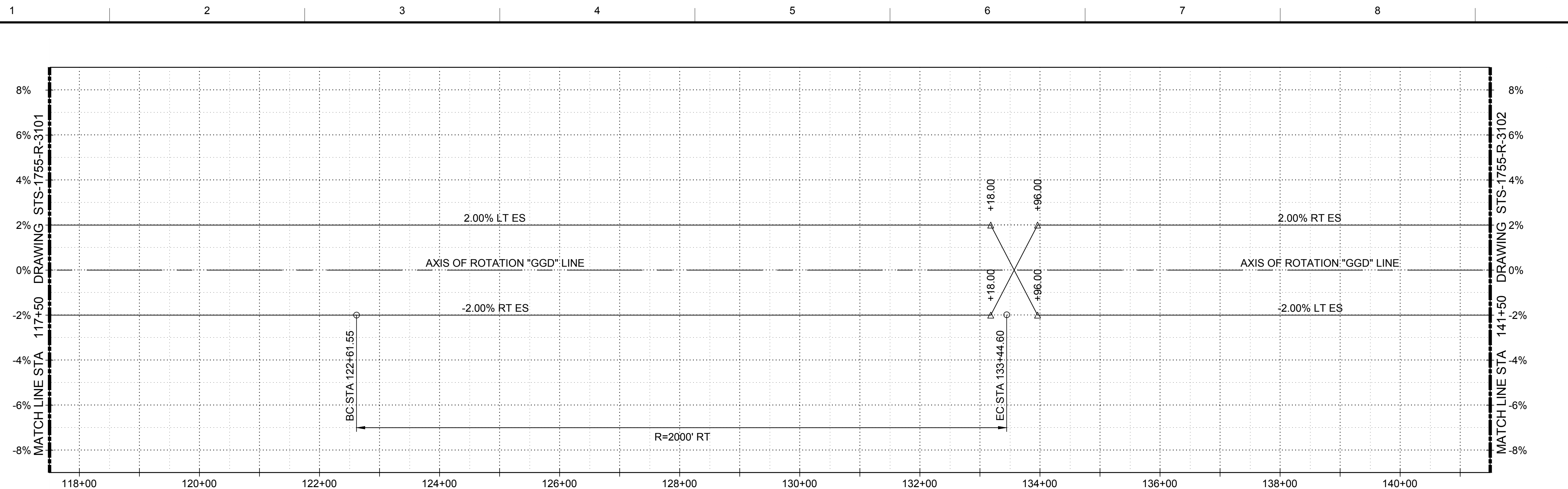
REGISTERED
 PROFESSIONAL
 ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



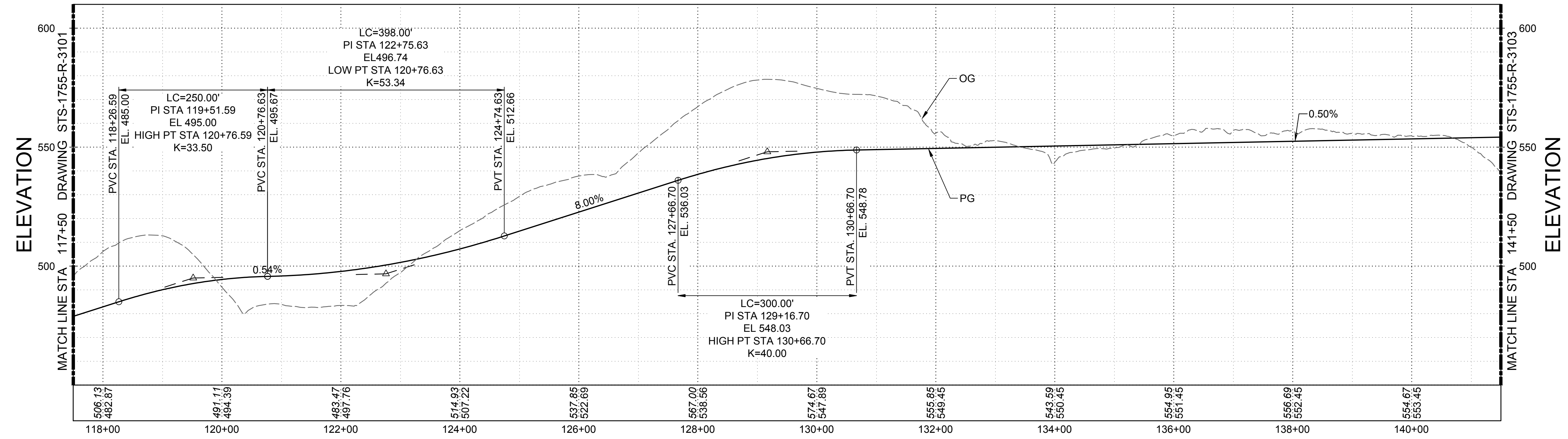
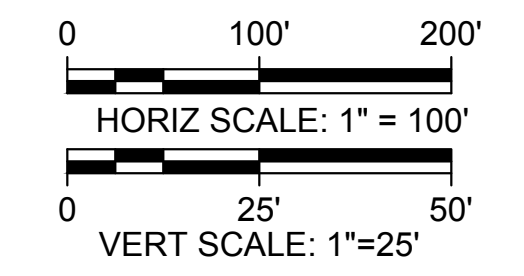
SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 GOLDEN GATE DAM
 CREST ACCESS ROAD
 SUPERELEVATION AND PROFILE

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
 0 1"
DRAWING NO.
 STS-1755-R-3101
 SHT OF

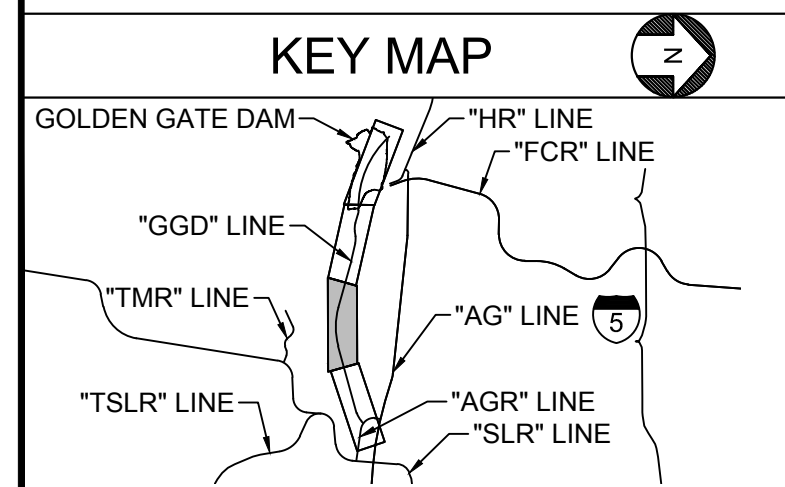
30% SUBMITTAL - NOT FOR CONSTRUCTION



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/19/2024 10:59 AM File: C:\pwworking\hdr_sites_reservoir\dms01440\STS-1755-R-3102.dwg Saved By: WOLFEM1

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
M. WOLFE
DRAWN BY:
M. WOLFE
CHECKED BY:
A. GLEN
IN CHARGE:
H. MICHAEL
DATE:
3/15/24



REGISTERED PROFESSIONAL ENGINEER
V. DOCTORO
C78231
CALIFORNIA

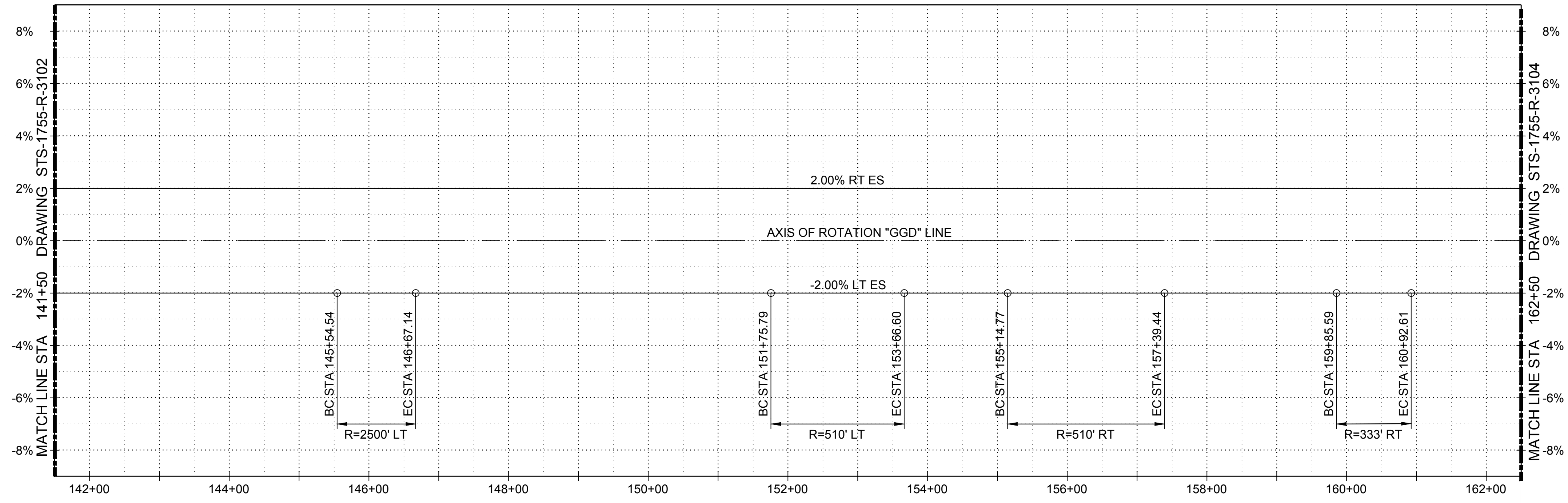


SITES RESERVOIR
SITES RESERVOIR
ROADWAY
GOLDEN GATE DAM
CREST ACCESS ROAD
SUPERELEVATION AND PROFILE

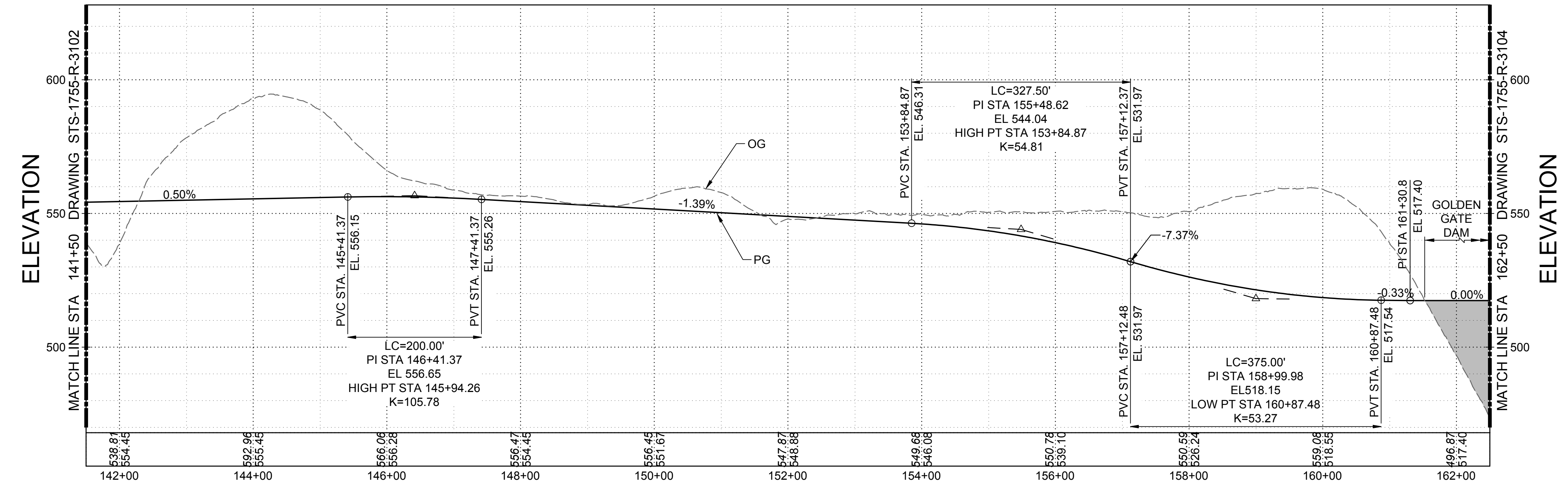
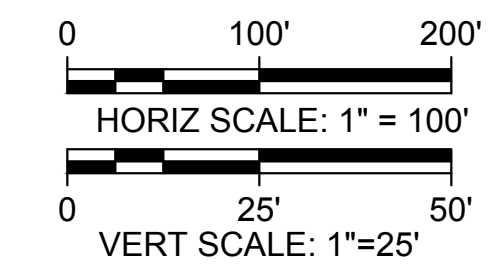
VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
DRAWING NO.
STS-1755-R-3102
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

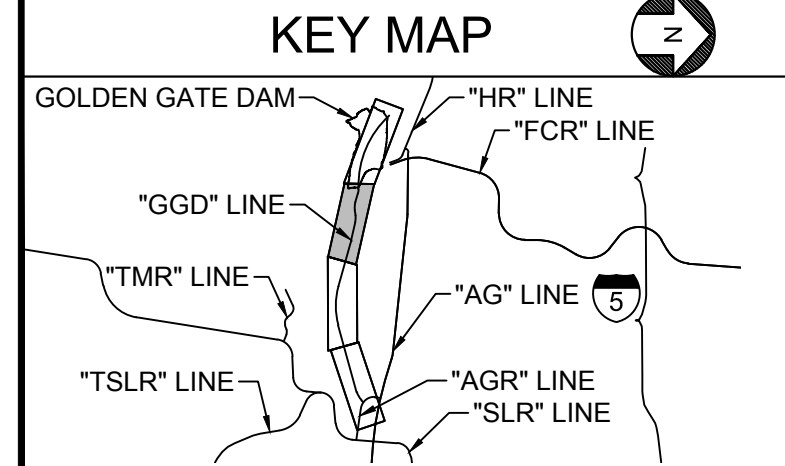
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SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
M. WOLFE
DRAWN BY:
M. WOLFE
CHECKED BY:
A. GLEN
IN CHARGE:
H. MICHAEL
DATE:
3/15/24



REGISTERED PROFESSIONAL ENGINEER
V. DOCTORO
C78231
CALIFORNIA



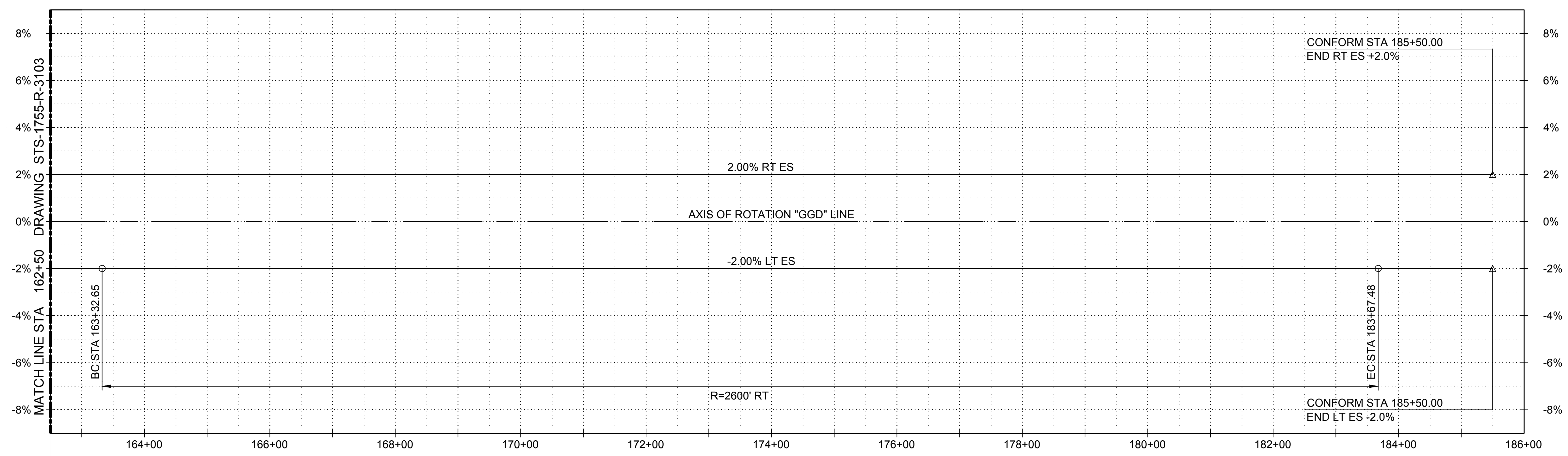
SITES RESERVOIR
SITES RESERVOIR
ROADWAY
GOLDEN GATE DAM
CREST ACCESS ROAD
SUPERELEVATION AND PROFILE

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
DRAWING NO.
STS-1755-R-3103
SHT OF

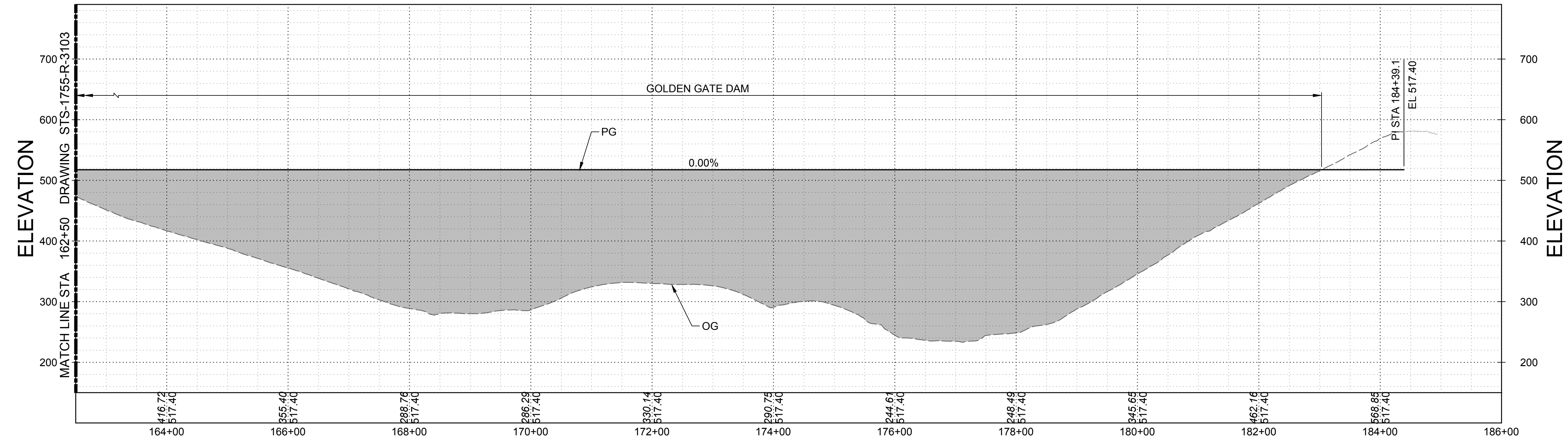
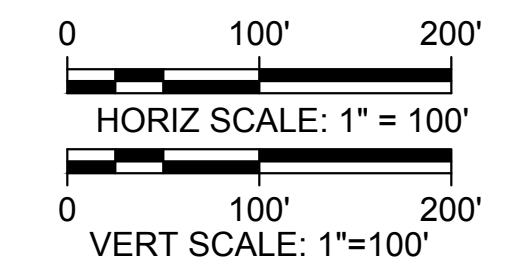
30% SUBMITTAL - NOT FOR CONSTRUCTION

NOTES

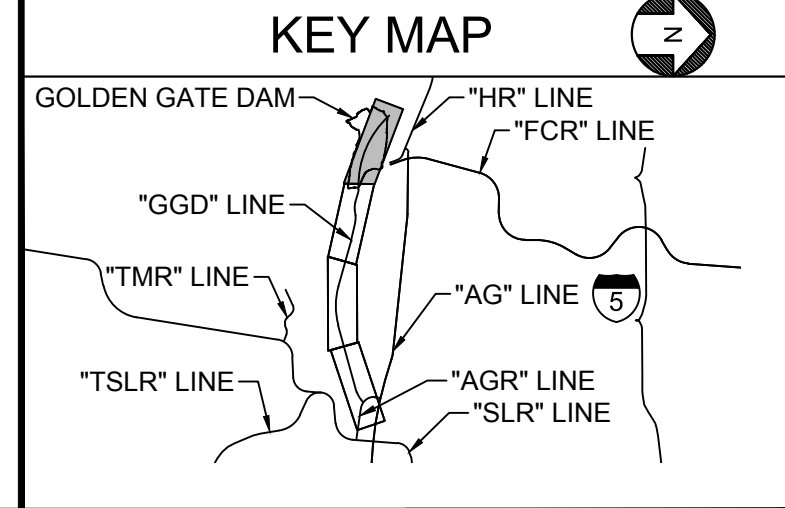
1. PROFILE VIEW HAS A DIFFERENT DRAWING SCALE FROM OTHER SHEETS DUE TO THE EXISTING TOPOGRAPHY



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/19/2024 11:07 AM File: C:\pwworking\hdr_sites_reservoir\dms01440\STS-1755-R-3104.dwg Saved By: WOLFEM1

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
M. WOLFE

DRAWN BY:
M. WOLFE

CHECKED BY:
A. GLEN

IN CHARGE:
H. MICHAEL

DATE:
3/15/24



REGISTERED
PROFESSIONAL
ENGINEER
V. DOCTOLERO
C78231
CALIFORNIA



SITES RESERVOIR

SITES RESERVOIR
ROADWAY
GOLDEN GATE DAM
CREST ACCESS ROAD
SUPERELEVATION AND PROFILE

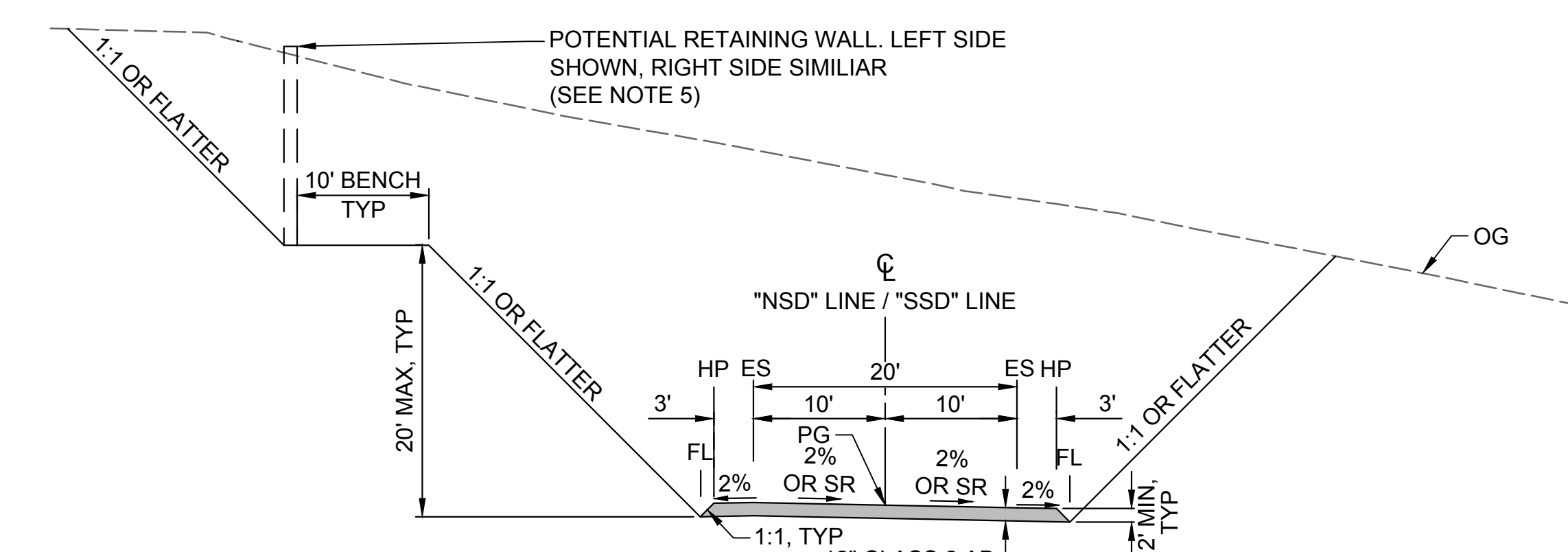
VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

0 1" 1"

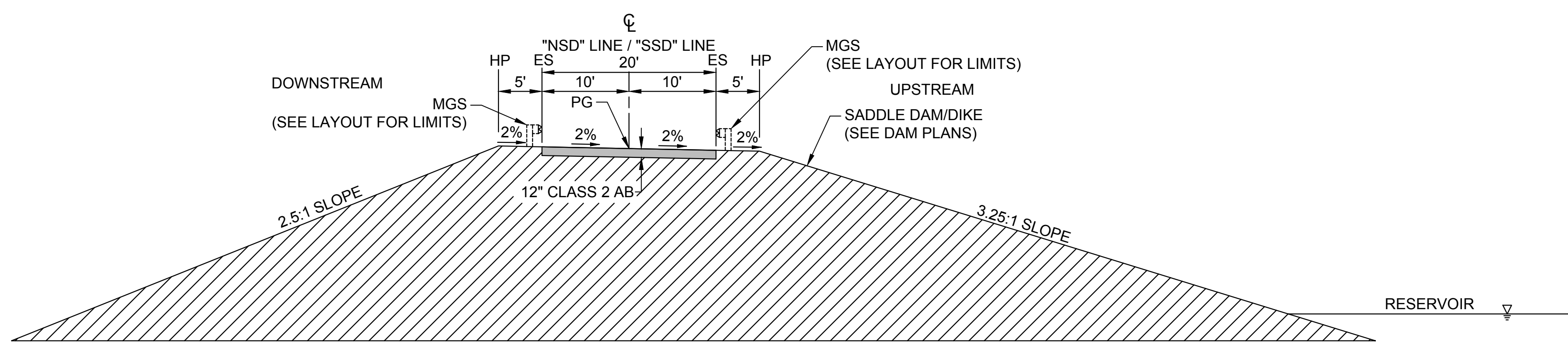
DRAWING NO.
STS-1755-R-3104
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

G
F
E
D
C
B
A



ROAD	FROM	TO	ROAD	FROM	TO
"NSD" LINE	100+00.00	102+00.00	"SSD" LINE	224+00.00	230+35.00
"NSD" LINE	105+00.00	108+90.16	"SSD" LINE	231+05.00	236+75.00
"NSD" LINE	111+10.00	113+10.00	"SSD" LINE	246+85.00	250+30.00
"NSD" LINE	117+20.00	118+90.00	"SSD" LINE	285+35.00	289+55.00
"NSD" LINE	122+90.00	125+13.37	"SSD" LINE	293+55.00	296+95.00
"NSD" LINE	138+27.28	140+50.00	"SSD" LINE	303+05.00	303+60.00
"NSD" LINE	142+75.00	144+78.40	"SSD" LINE	308+25.00	311+25.00
"NSD" LINE	146+25.81	149+88.64	"SSD" LINE	316+40.00	322+30.00
"NSD" LINE	151+50.00	156+00.00	"SSD" LINE	323+50.00	329+80.00
"NSD" LINE	166+20.00	169+29.13	"SSD" LINE	332+30.00	336+20.00
"NSD" LINE	172+90.00	178+80.00	"SSD" LINE	337+40.00	344+65.00
"NSD" LINE	202+00.00	205+50.00	"SSD" LINE	344+95.00	348+35.00
			"SSD" LINE	348+55.00	354+80.00



ROAD	FROM	TO	ROAD	FROM	TO
"NSD" LINE	102+00.00	105+00.00	"SSD" LINE	206+50.00	224+00.00
"NSD" LINE	108+90.16	111+10.00	"SSD" LINE	250+30.00	285+00.00
"NSD" LINE	113+10.00	117+20.00	"SSD" LINE	329+80.00	332+30.00
"NSD" LINE	125+13.37	138+27.28	"SSD" LINE	354+80.00	358+03.60
"NSD" LINE	144+78.40	146+25.81			
"NSD" LINE	149+88.64	151+18.31			
"NSD" LINE	169+29.13	172+90.00			
"NSD" LINE	205+50.00	206+50.00			

"NSD" & "SSD" LINE
HORIZ SCALE: NO SCALE

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.
- SUPERELEVATIONS ARE SHOWN ON THE SUPERELEVATION DIAGRAMS. REFER TO THE PROFILE AND SUPERELEVATION SHEETS.
- REFER TO THE ROADWAY PLAN AND CONSTRUCTION DETAIL SHEETS FOR ADDITIONAL INFORMATION NOT SHOWN.
- ROADWAY DESIGN UPDATES ARE A WORK IN PROGRESS AND FURTHER DESIGN COORDINATION IS NEEDED WITH GEI TEAM FOR SADDLE DAM/DIKE FOOTPRINT.
- 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 LOCATIONS.
- PAVEMENT STRUCTURAL SECTION TO BE CONSTRUCTED ON COMPACTED NATIVE MATERIAL.
- ROADWAY IS SLOPED TOWARDS THE RESERVOIR FOR DRAINAGE PURPOSES.

Plot Date: 3/22/2024 12:27 PM File: C:\pwworking\hdr_sites_reservoir\dms01520\STS-1765-R-1101.dwg Saved By: SMITHE13

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



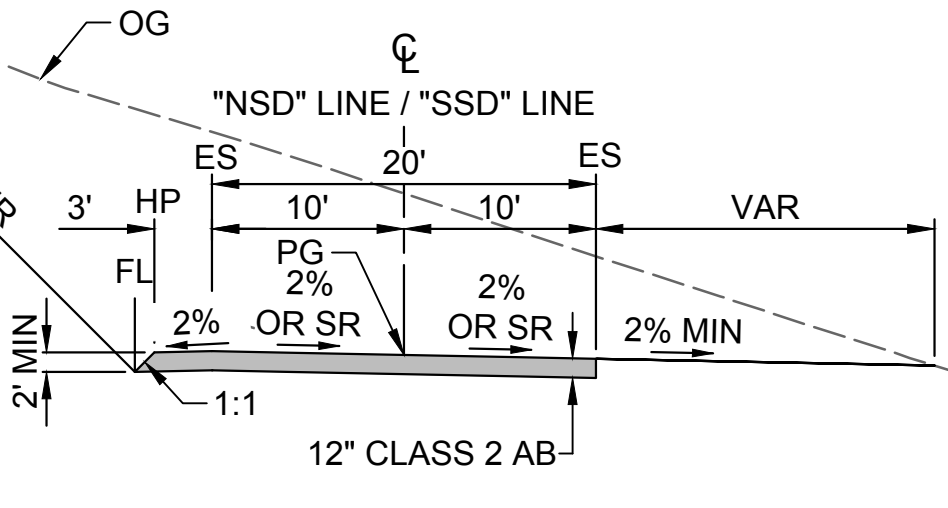
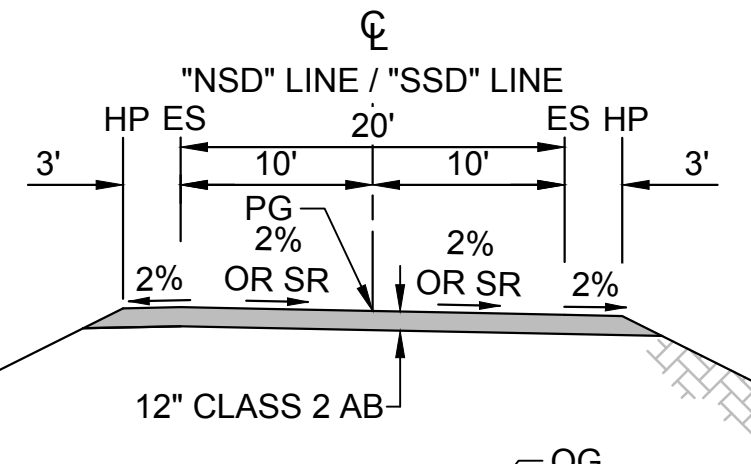
REGISTERED PROFESSIONAL ENGINEER
 V. DOCTOLERO
 C78231
 CALIFORNIA



SITES RESERVOIR
 SITES RESERVOIR ROADWAY
 NORTH SADDLE DAM ROAD & SOUTH SADDLE DAM ROAD
 TYPICAL SECTIONS

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
 0 1"
 DRAWING NO. STS-1765-R-1101
 SHT OF

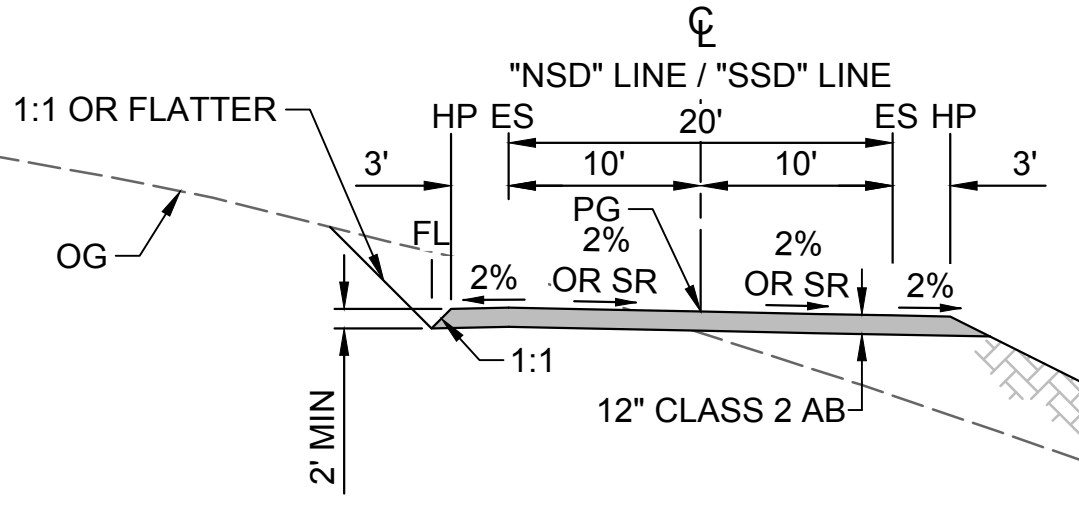
30% SUBMITTAL - NOT FOR CONSTRUCTION



LEFT SIDE SHOWN, RIGHT SIDE SIMILAR

ROAD	FROM	TO
"NSD" LINE	118+90.00	122+90.00
"NSD" LINE	140+50.00	142+75.00
"NSD" LINE	151+18.31	151+50.00
"NSD" LINE	159+20.00	163+75.00
"NSD" LINE	179+50.00	185+30.00
"NSD" LINE	192+00.00	193+25.00
"NSD" LINE	194+75.00	195+15.00
"NSD" LINE	197+50.00	202+00.00
"SSD" LINE	285+00.00	285+35.00
"SSD" LINE	322+30.00	323+50.00

ROAD	FROM	TO
"NSD" LINE	157+00.00	159+20.00
"NSD" LINE	163+75.00	166+20.00
"NSD" LINE	186+25.00	192+00.00
"NSD" LINE	196+00.00	197+50.00
"SSD" LINE	238+40.00	246+85.00
"SSD" LINE	299+45.00	301+15.00
"SSD" LINE	303+60.00	304+35.00
"SSD" LINE	305+75.00	306+65.00
"SSD" LINE	311+55.00	316+40.00
"SSD" LINE	336+20.00	337+40.00



LEFT SIDE SHOWN, RIGHT SIDE SIMILAR

ROAD	FROM	TO
"NSD" LINE	156+00.00	157+00.00
"NSD" LINE	178+80.00	179+50.00
"NSD" LINE	185+30.00	186+25.00
"NSD" LINE	193+25.00	194+75.00
"NSD" LINE	195+15.00	196+00.00
"SSD" LINE	230+35.00	231+05.00
"SSD" LINE	236+75.00	238+40.00
"SSD" LINE	289+55.00	293+55.00
"SSD" LINE	296+95.00	299+45.00
"SSD" LINE	301+15.00	303+05.00
"SSD" LINE	304+35.00	305+75.00
"SSD" LINE	306+65.00	308+25.00
"SSD" LINE	311+25.00	311+55.00
"SSD" LINE	344+65.00	344+95.00
"SSD" LINE	348+35.00	348+55.00

"NSD" & "SSD" LINE
HORIZ SCALE: NO SCALE

REV	DATE	BY	CHK	APPR	DESCRIPTION

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

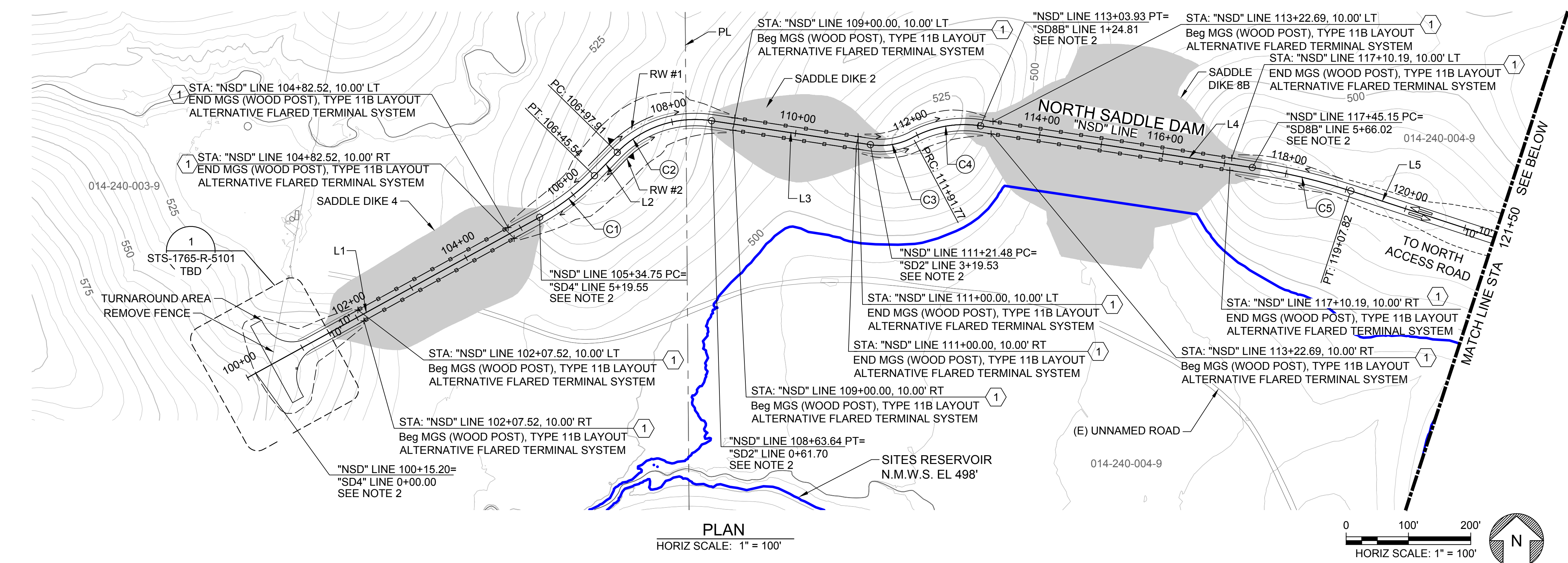
AECOM
2020 L Street, Suite 400
Sacramento, CA 95811
TEL: 916.414.5800

REGISTERED
PROFESSIONAL
ENGINEER
V. DOCTORO
C78231
CALIFORNIA

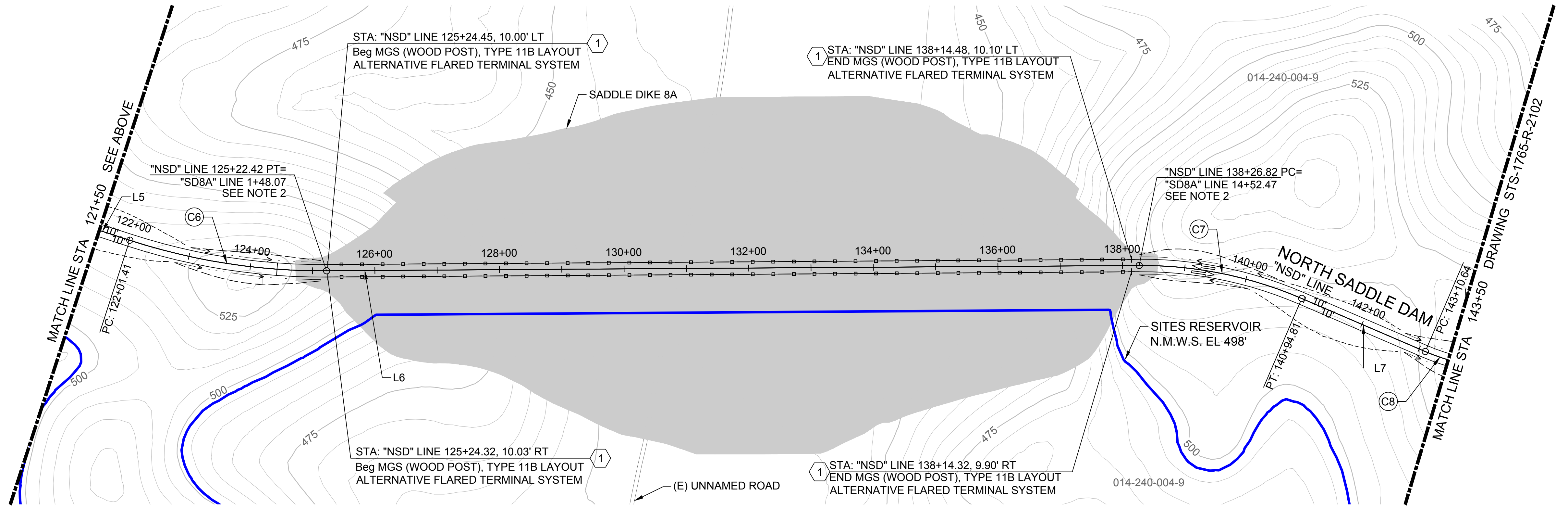
SITES RESERVOIR
SITES RESERVOIR
ROADWAY
NORTH SADDLE DAM ROAD & SOUTH SADDLE DAM ROAD
TYPICAL SECTIONS

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL
DRAWING. ADJUST SCALES FOR
REDUCED PLOTS
0 1"
DRAWING NO.
STS-1765-R-1102
SHT OF

Plot Date: 3/21/2024 11:08 AM File: c:\pwworking\hdr_sites_reservoir\tdms01520\STS-1765-R-2101.dwg Saved By: JAIMES



PLAN
HORIZ SCALE: 1" = 100'

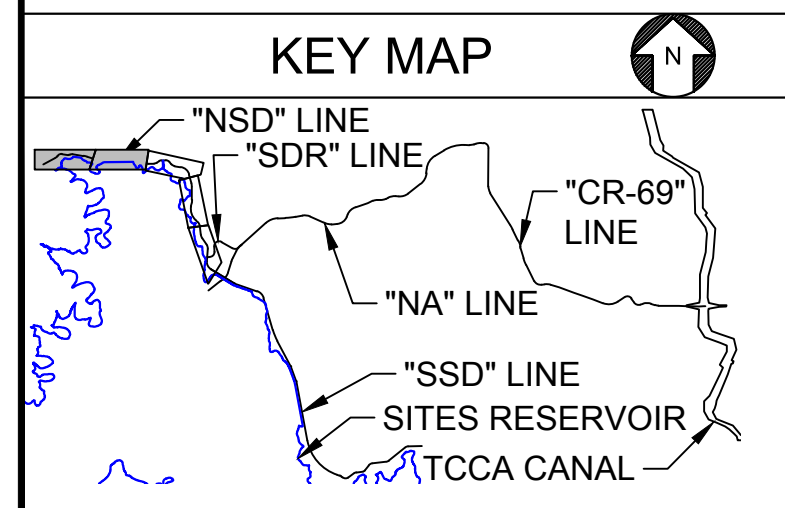


PLAN
HORIZ SCALE: 1" = 100'

- ### 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.
 - FOR SADDLE DAM/DIKE ALIGNMENTS, SEE DAM PLAN SHEETS.
 - 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.
 - ROADWAY DESIGN UPDATES ARE A WORK IN PROGRESS AND FURTHER DESIGN COORDINATION IS NEEDED WITH GEI TEAM FOR SADDLE DAM/DIKE FOOTPRINT.
 - FOR CURVE AND TANGENT ALIGNMENT DATA, REFER TO THE LINE AND CURVE GEOMETRY UNDER THE GENERAL PROJECT SHEETS STS-0001-G DESIGNATION.

SHEET KEY NOTES

- GUARD RAILING LIMITS SHOWN ARE PRELIMINARY AND WILL BE FURTHER EVALUATED AT LATER DESIGN PHASE.



DESIGNED BY:	S. JAIME
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

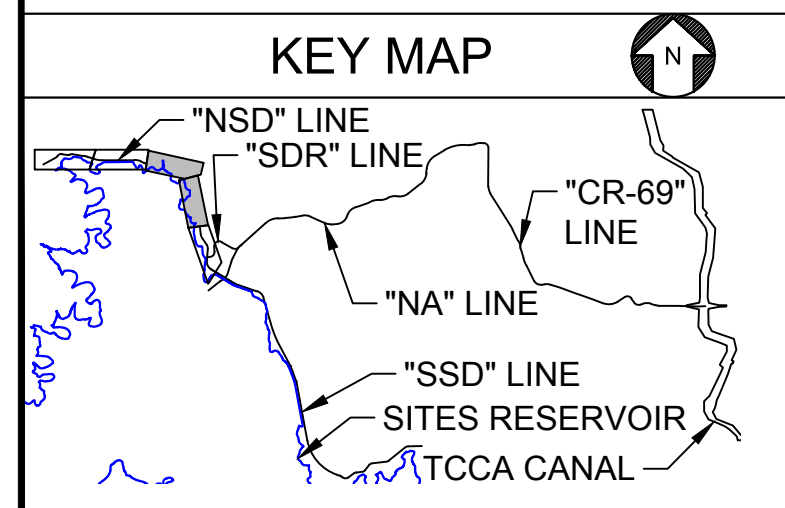
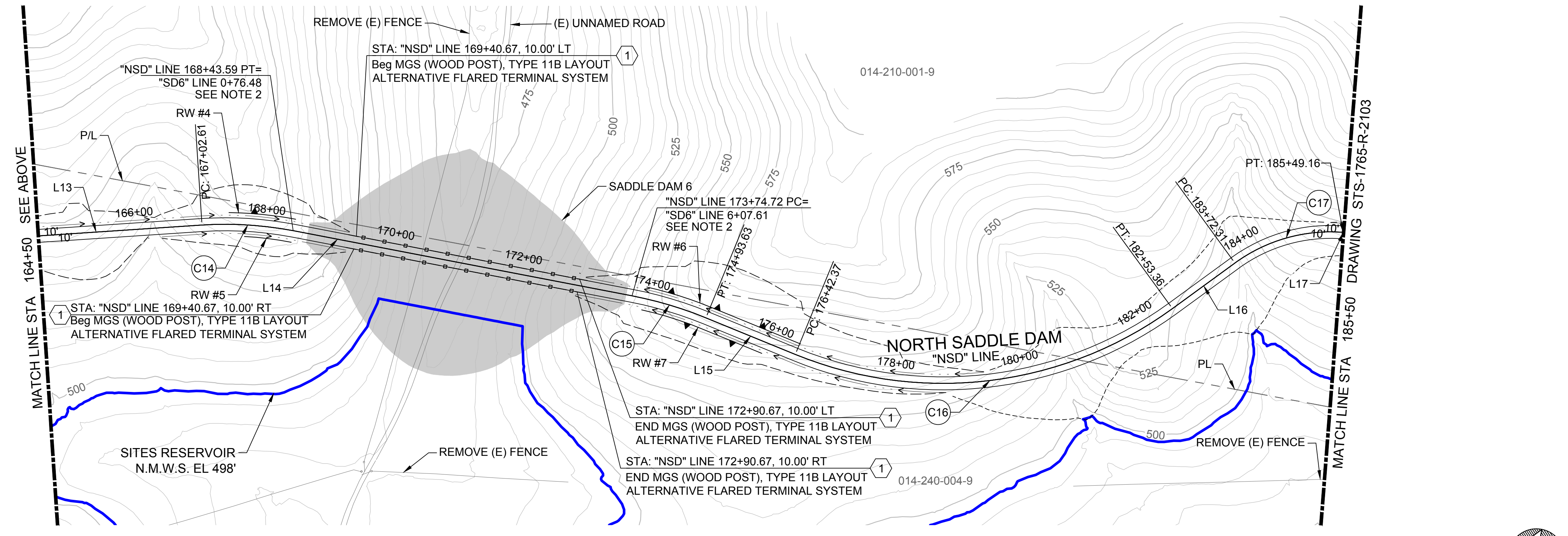
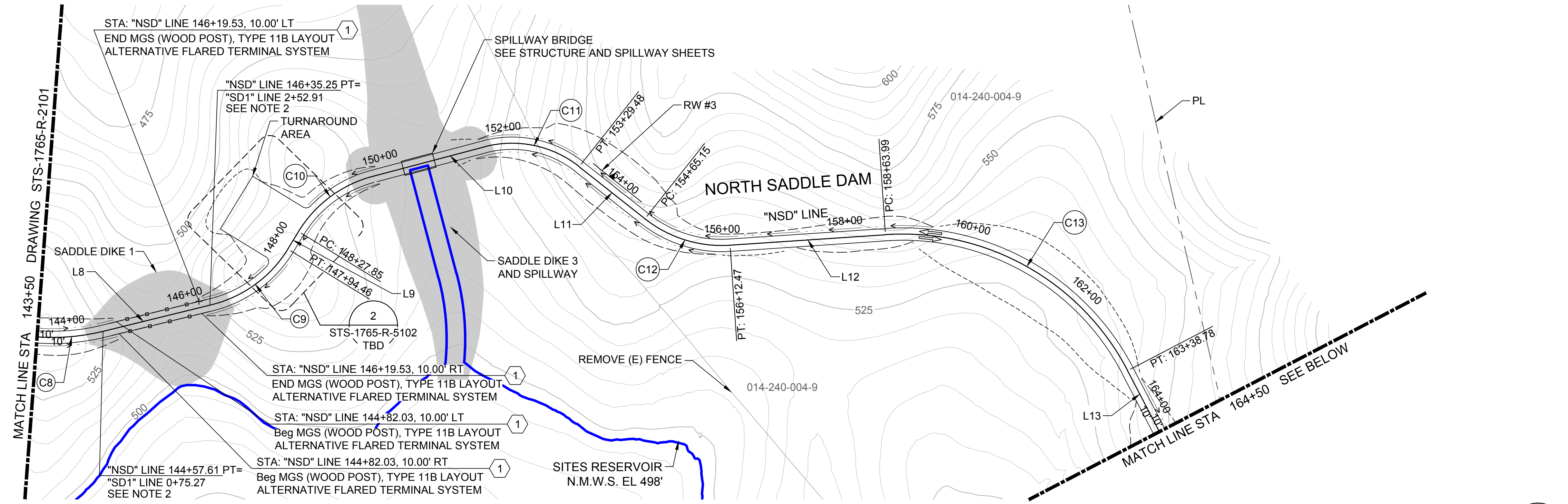
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PROFESSIONAL
ENGINEER
V. DOCTORO
C78231
CALIFORNIA



SITES RESERVOIR
SITES RESERVOIR
ROADWAY
NORTH SADDLE DAM ROAD
PLAN

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
DRAWING NO.	STS-1765-R-2101
SHT	OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



Plot Date: 3/21/2024 11:10 AM File: c:\pwworking\hdr_sites_reservoir\dms01520\STS-1765-R-2102.dwg
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DESIGNED BY:	S. JAIME
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

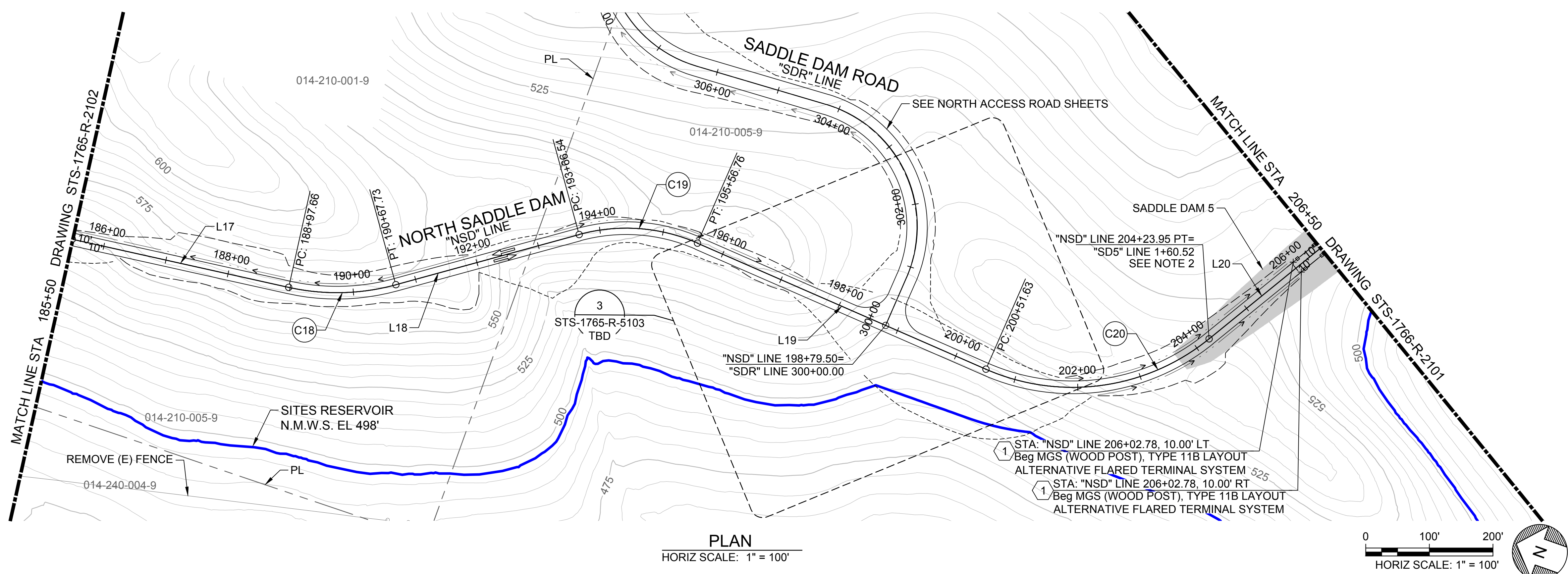
REGISTERED
PROFESSIONAL
ENGINEER
V. DOCTORO
C78231
CALIFORNIA



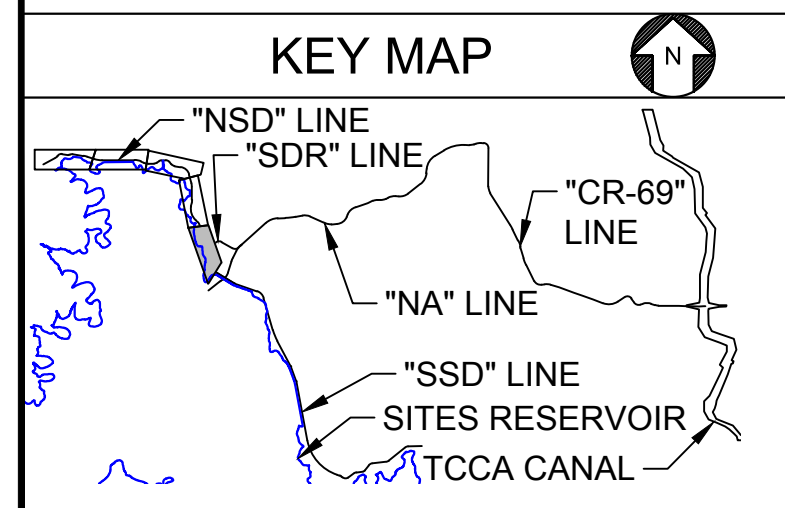
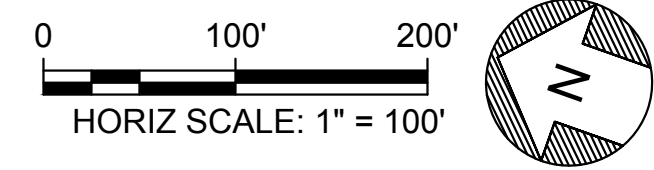
SITES RESERVOIR
SITES RESERVOIR
ROADWAY
NORTH SADDLE DAM ROAD
PLAN

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO.	STS-1765-R-2102
SHT	OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN
HORIZ SCALE: 1" = 100'



Plot Date: 3/21/2024 11:11 AM File: c:\pwworking\hdr_sites_reservoir\tdms01520\STS-1765-R-2103.dwg Saved By: JAIMES

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED PROFESSIONAL ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



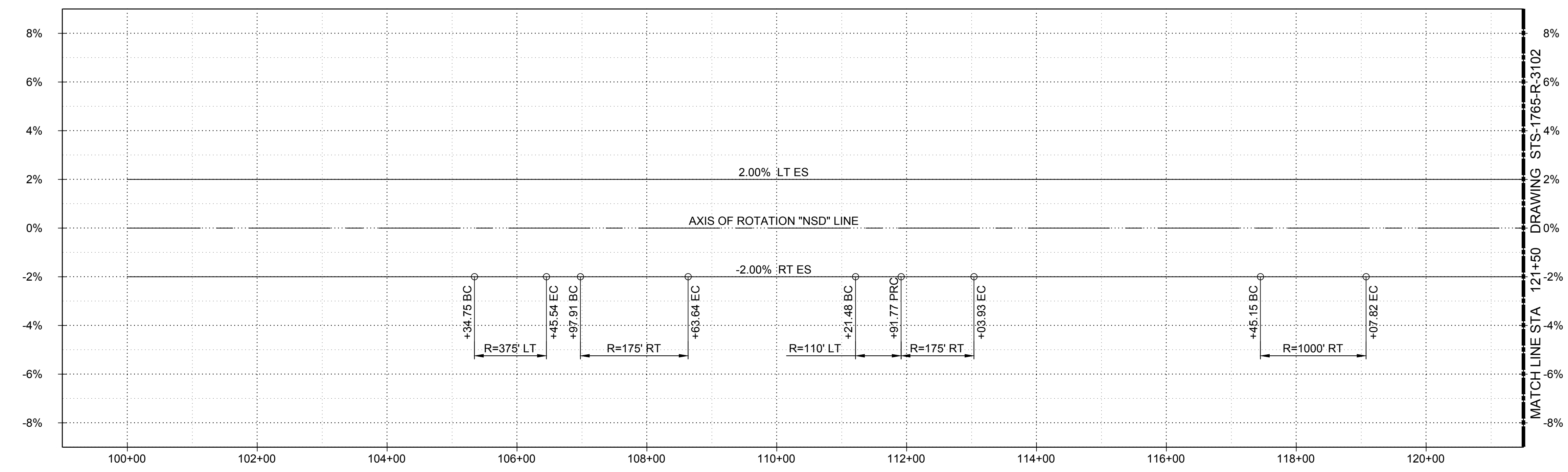
SITES RESERVOIR
 SITES RESERVOIR ROADWAY
 NORTH SADDLE DAM ROAD
 PLAN

VERIFY SCALES
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 0 100 200 1"
 DRAWING NO. STS-1765-R-2103
 SHT OF

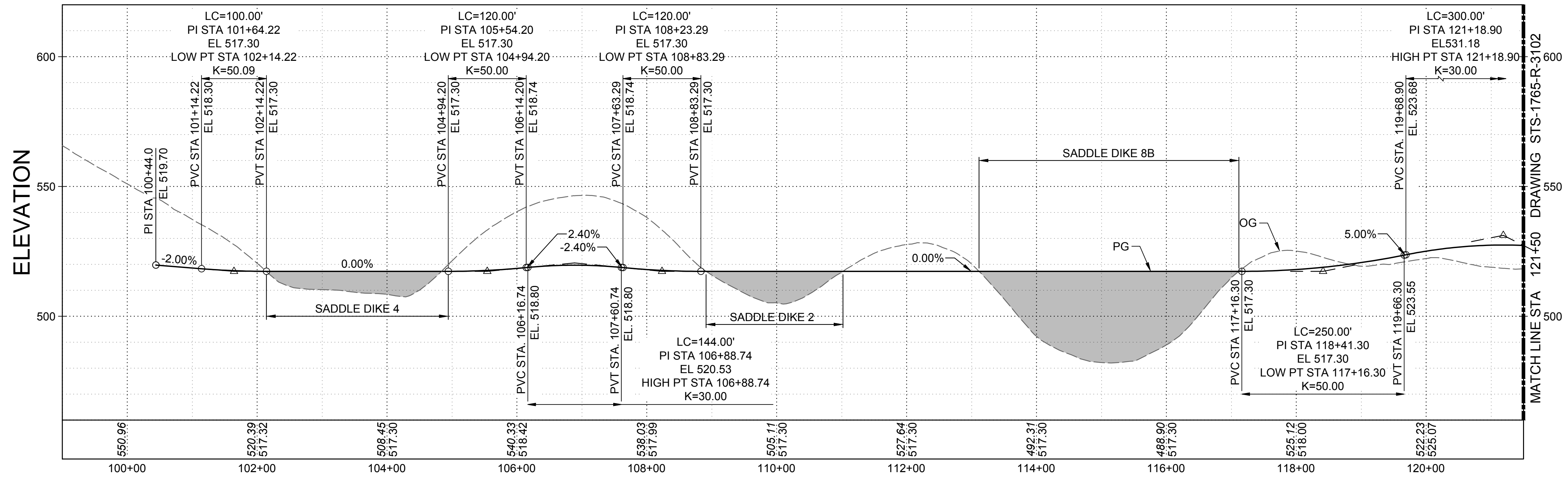
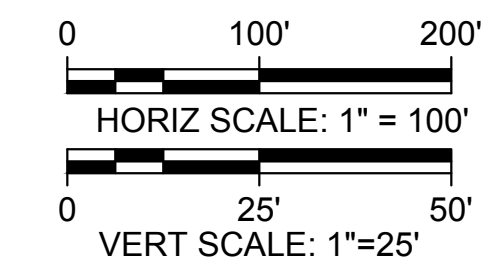
30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

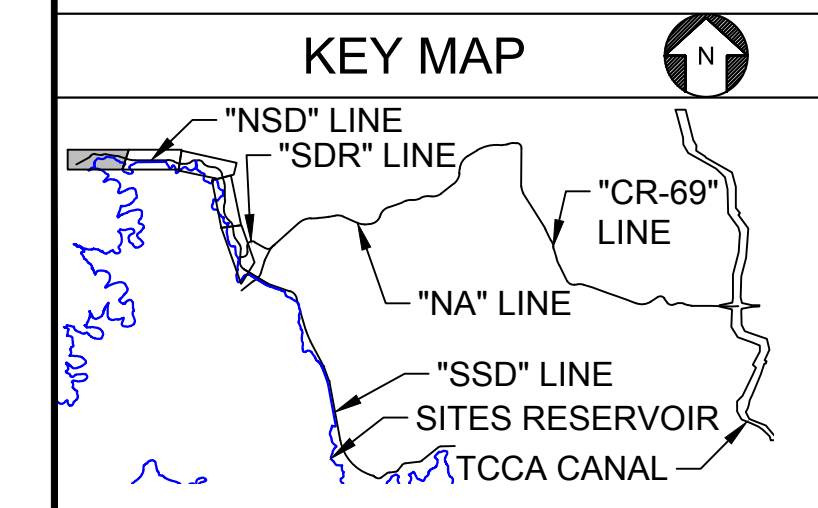
1. PROFILES WILL BE ADJUSTED DURING 60% DESIGN TO OPTIMIZE THE CUT & FILL VOLUMES AND TO ACCOMMODATE ANIMAL CROSSINGS.
2. FINAL LIMITS OF BRIDGE AND FILL PRISM TO BE DETERMINED BASED ON GEOTECHNICAL FINDINGS AND RECOMMENDATIONS.
3. SUPERELEVATION DESIGN KEY CONSIDERATIONS FOR ROADWAY RUNOFF, DRAINAGE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



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/22/2024 1:14 PM File: c:\pwworking\hdr_sites_reservoir\hdr_sites_reservoir\dms01520\STS-1765-R-3101.dwg Saved By: JAIMES

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



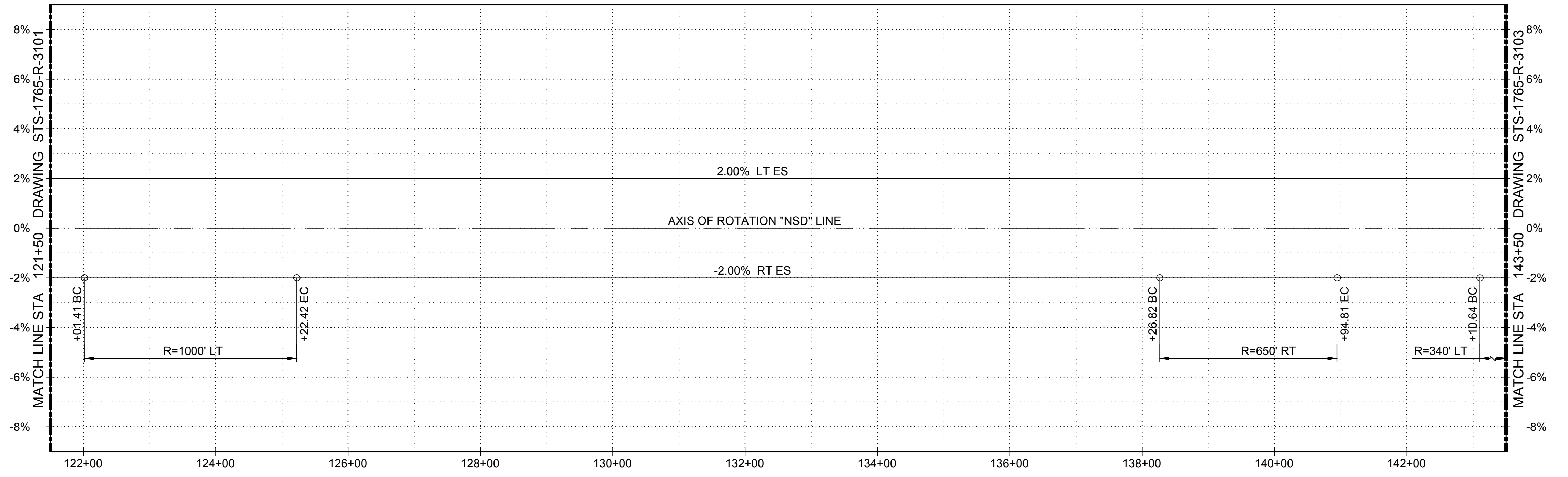
REGISTERED PROFESSIONAL ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



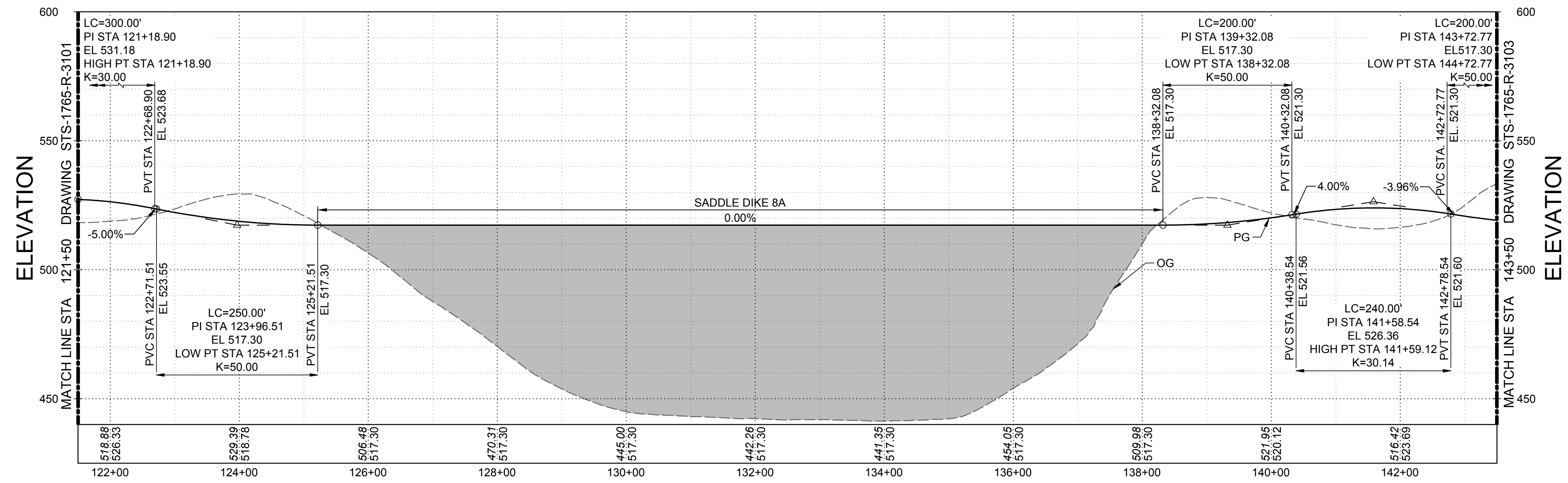
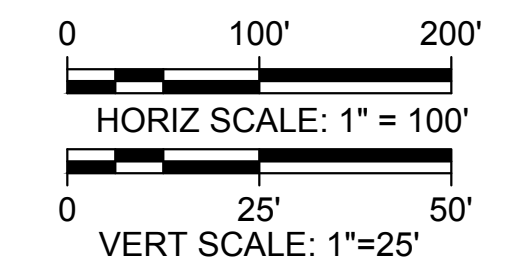
SITES RESERVOIR
 SITES RESERVOIR ROADWAY
 NORTH SADDLE DAM ROAD
 SUPERELEVATION AND PROFILE

VERIFY SCALES
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 DRAWING NO. STS-1765-R-3101
 SHT OF

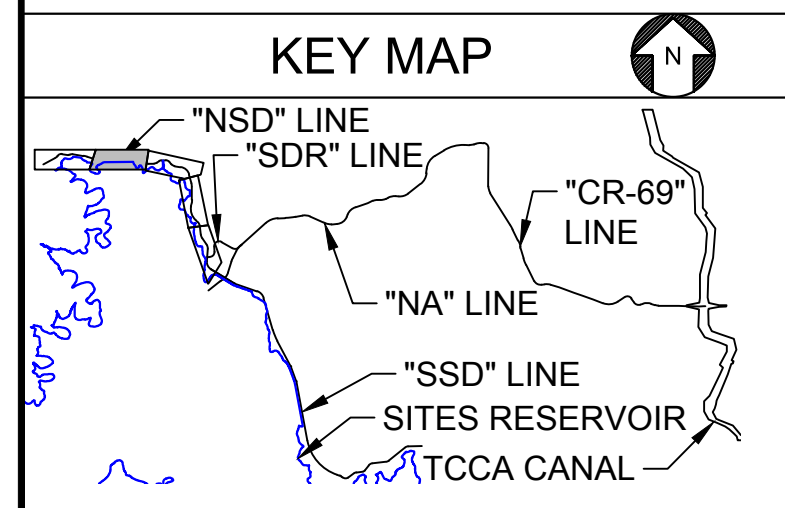
30% SUBMITTAL - NOT FOR CONSTRUCTION



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/22/2024 12:58 PM File: c:\pwworking\hdr_sites_reservoir\tdms01520\STS-1765-R-3102.dwg Saved By: JAIMES

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



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V. DOCTORO
C78231
CALIFORNIA

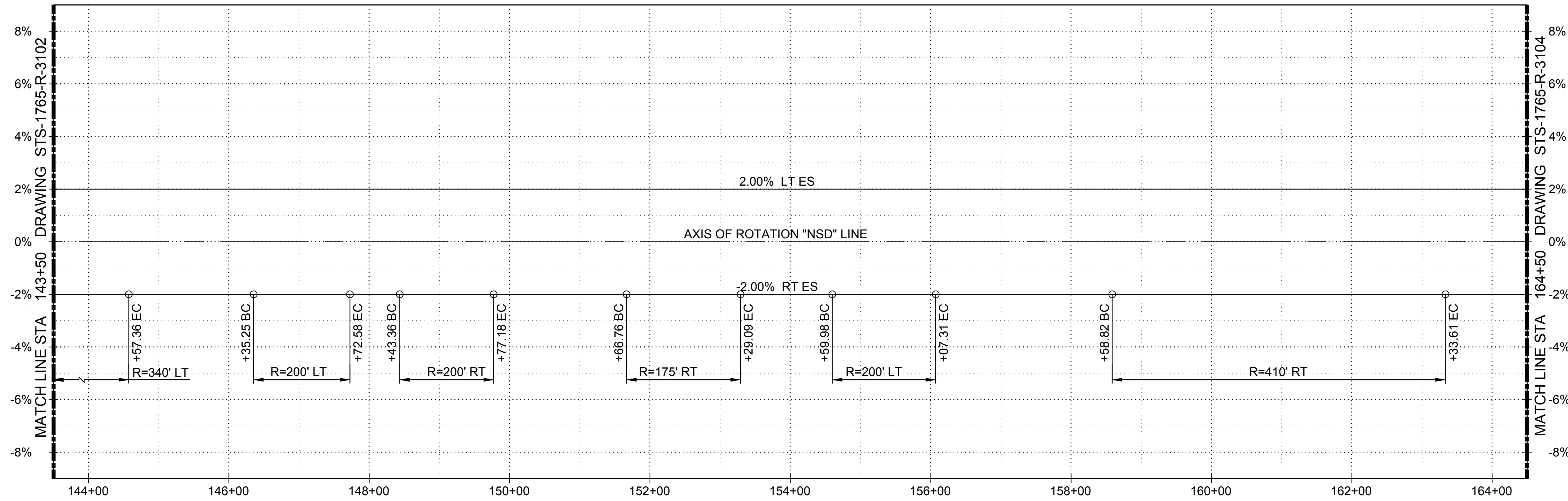


SITES RESERVOIR
SITES RESERVOIR ROADWAY
NORTH SADDLE DAM ROAD
SUPERELEVATION AND PROFILE

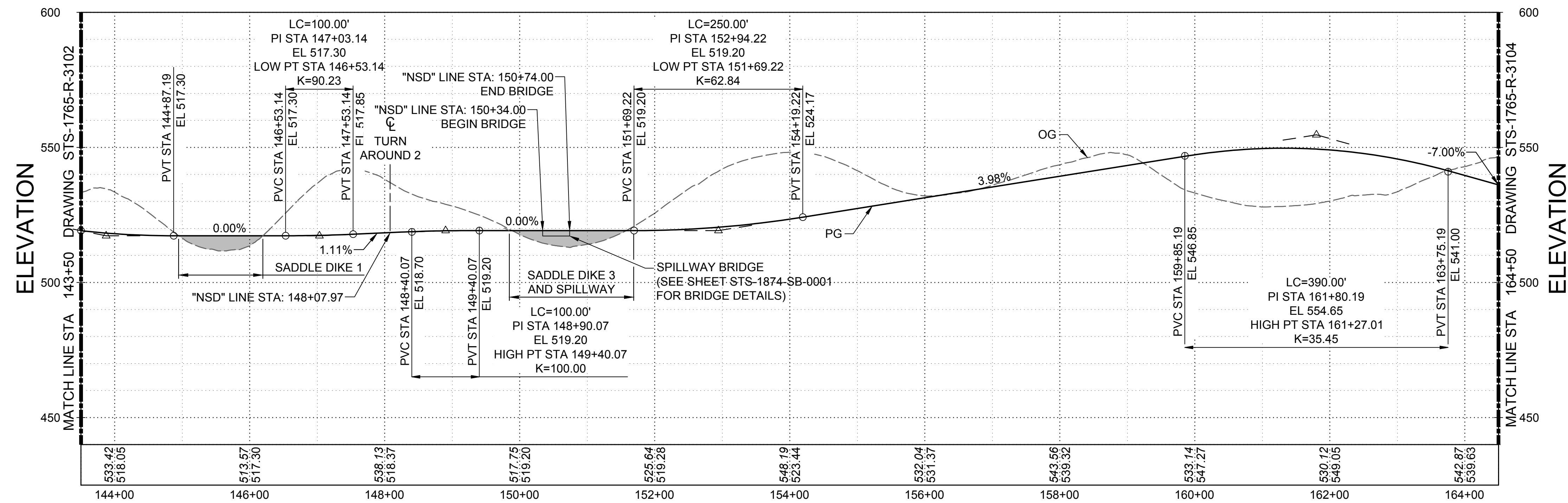
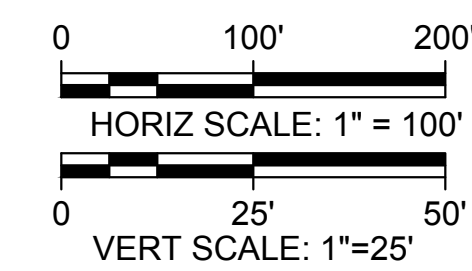
VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
DRAWING NO. STS-1765-R-3102
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

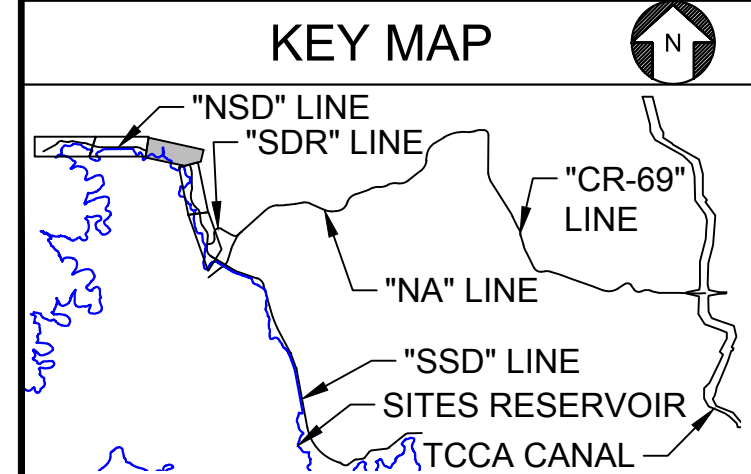
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SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



REV	DATE	BY	CHK	APPR	DESCRIPTION

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



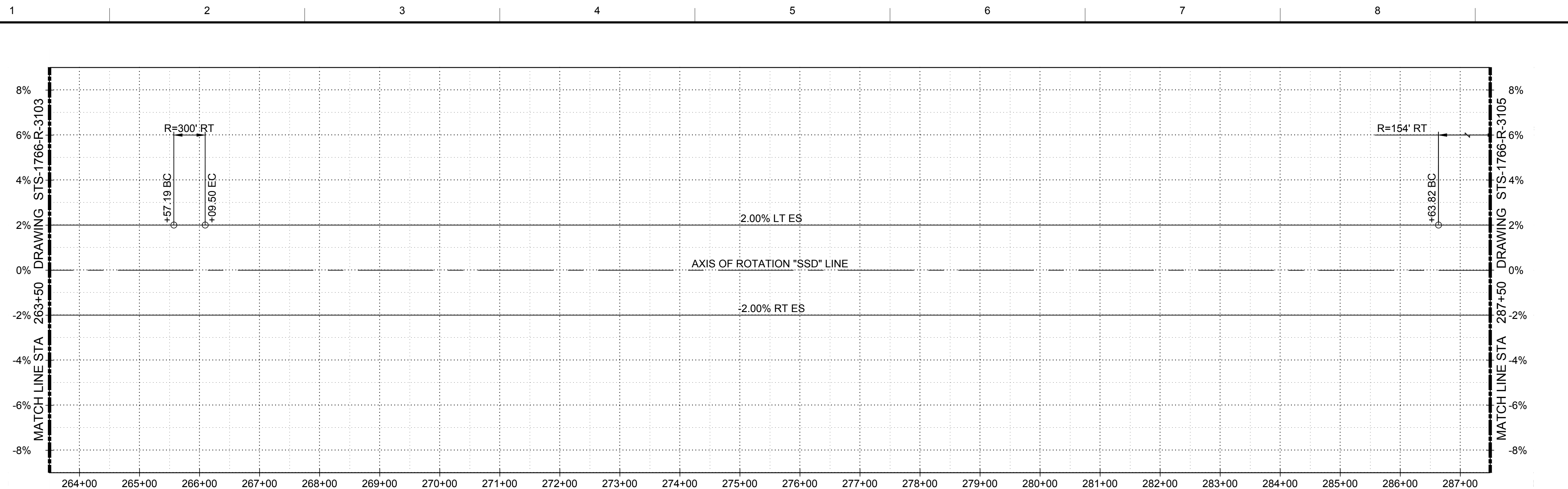
REGISTERED PROFESSIONAL ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



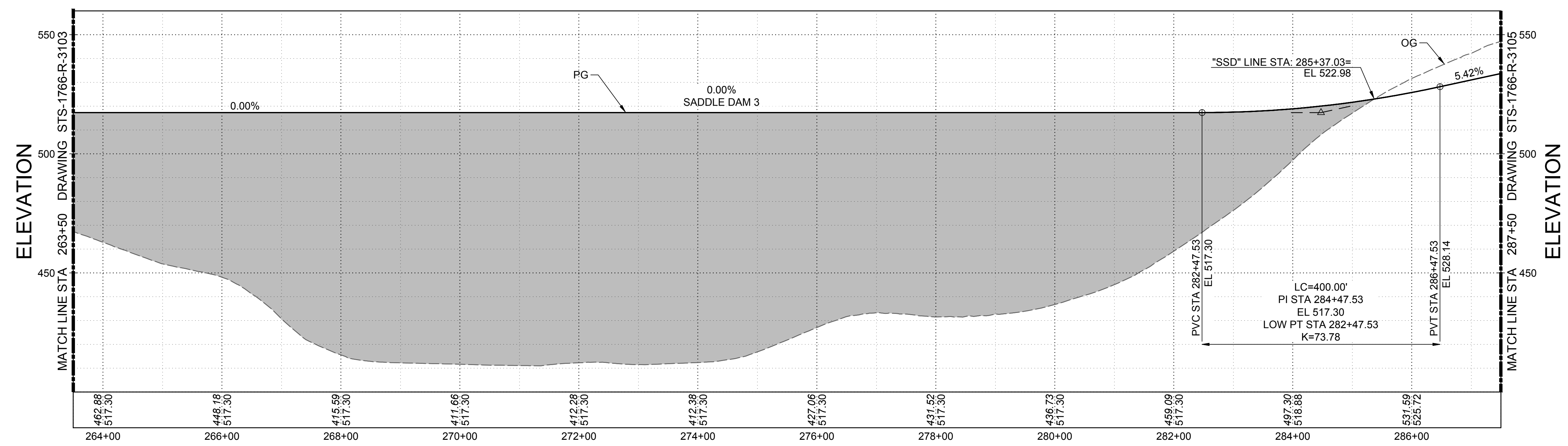
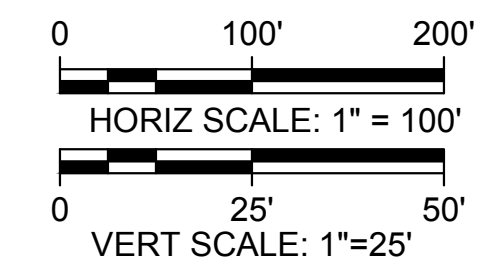
SITES RESERVOIR
 SITES RESERVOIR ROADWAY
 NORTH SADDLE DAM ROAD
 SUPERELEVATION AND PROFILE

VERIFY SCALES
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 DRAWING NO. STS-1765-R-3103
 SHT OF

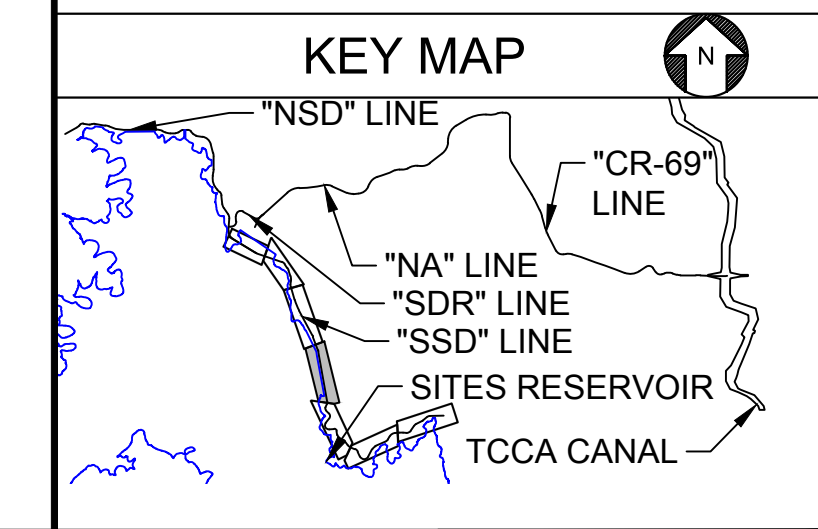
30% SUBMITTAL - NOT FOR CONSTRUCTION



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/22/2024 1:15 PM
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File: c:\pwworking\hdr_sites_reservoir\dmso1564\STS-1766-R-3104.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
K. KRAMER

DRAWN BY:
K. KRAMER

CHECKED BY:
A. GLEN

IN CHARGE:
H. MICHAEL

DATE:
03/15/24



REGISTERED
PROFESSIONAL
ENGINEER
V. DOCTORO
C78231
CALIFORNIA



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

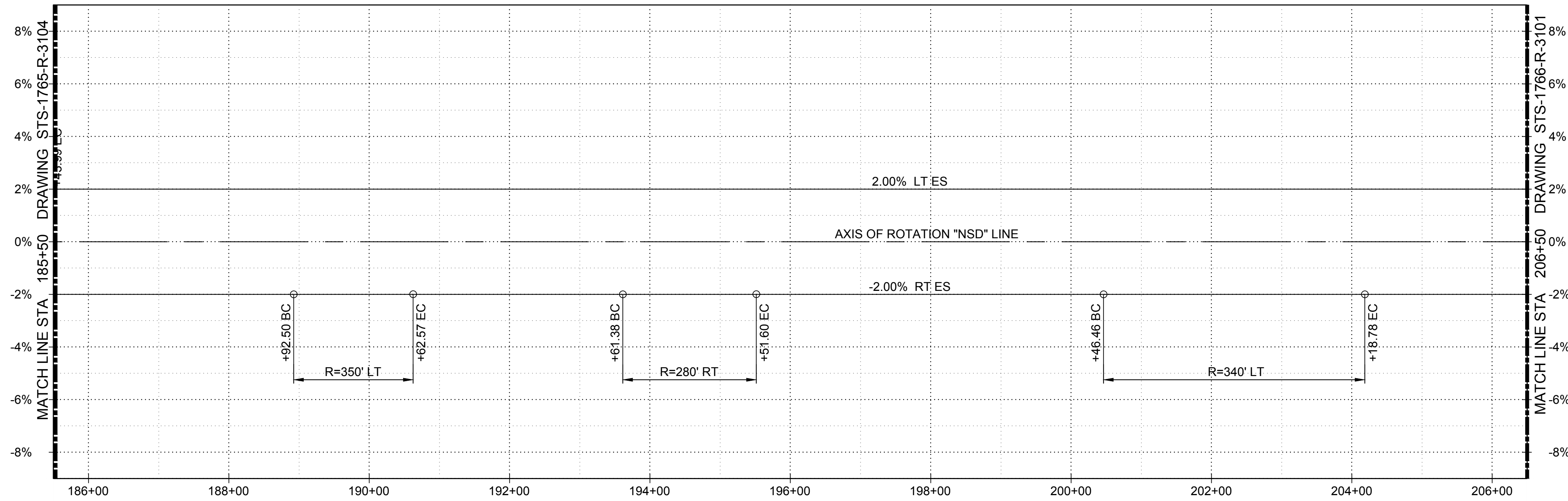
VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL
DRAWING. ADJUST SCALES FOR
REDUCED PLOTS

0 1"

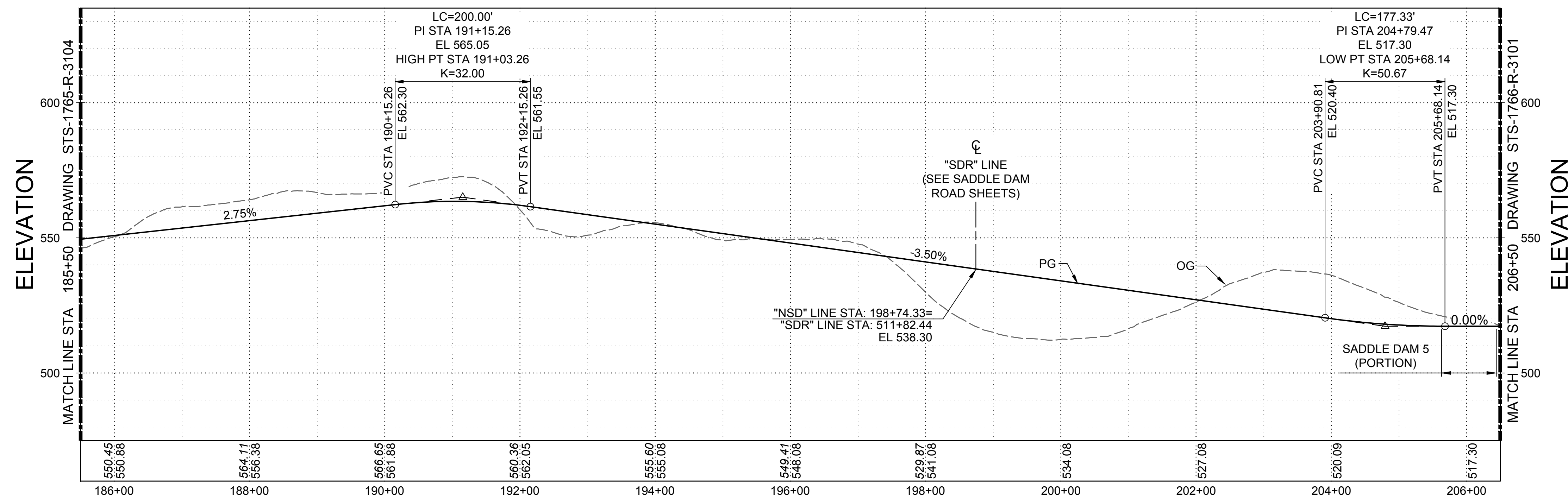
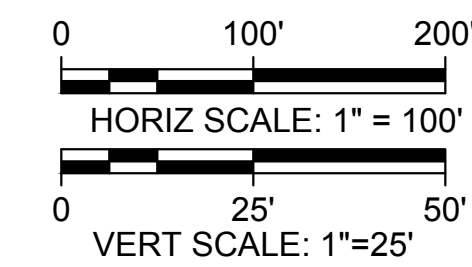
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30% SUBMITTAL - NOT FOR CONSTRUCTION

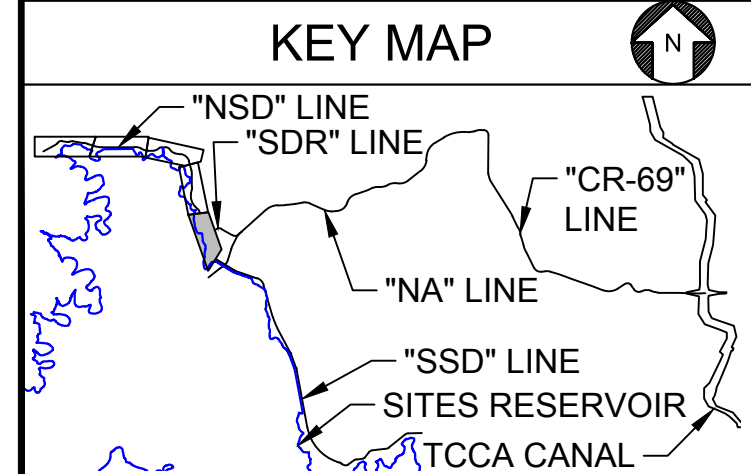
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SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



REV	DATE	BY	CHK	APPR	DESCRIPTION

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



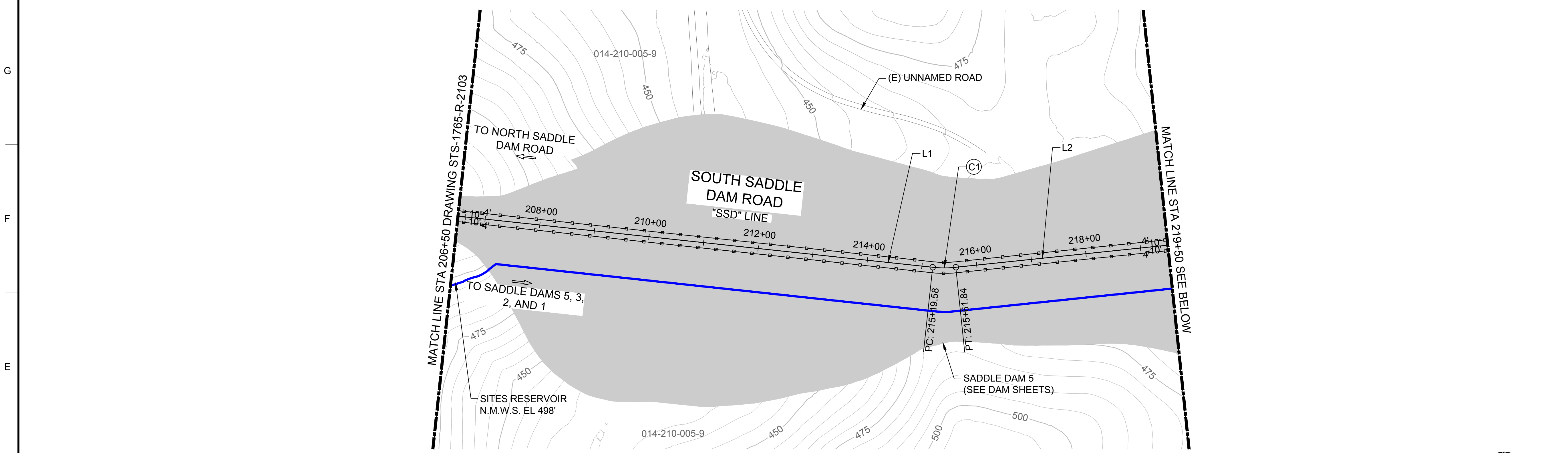
REGISTERED PROFESSIONAL ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



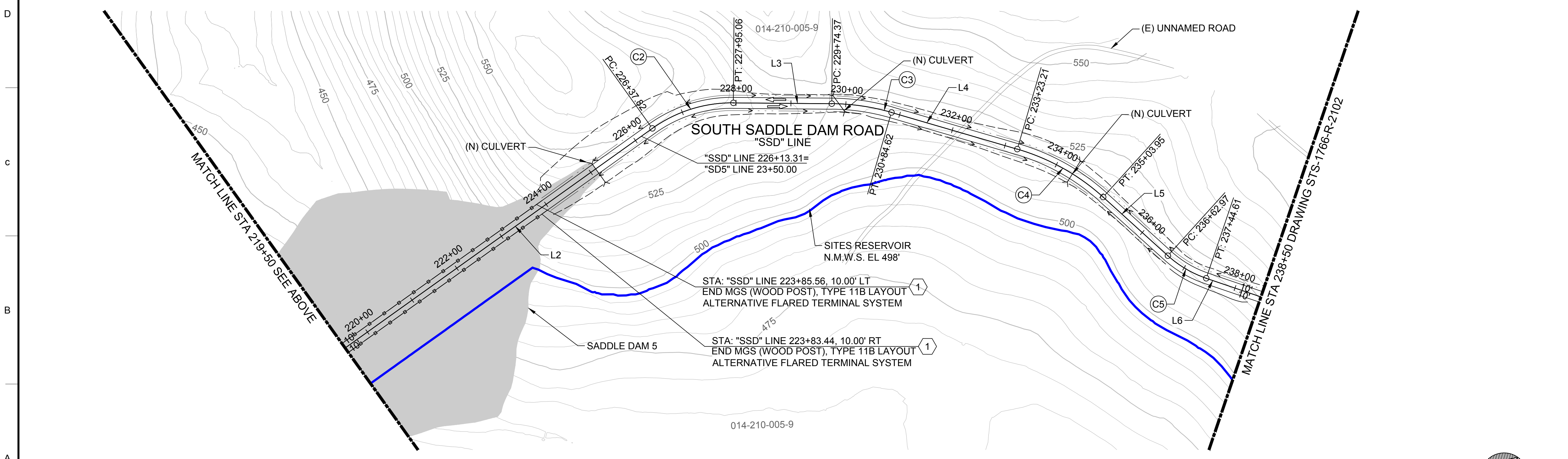
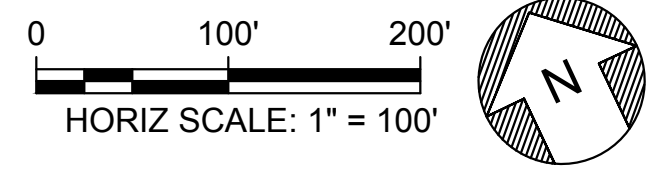
SITES RESERVOIR
 SITES RESERVOIR ROADWAY
 NORTH SADDLE DAM ROAD
 SUPERELEVATION AND PROFILE

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
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 DRAWING NO. STS-1765-R-3105
 SHT OF

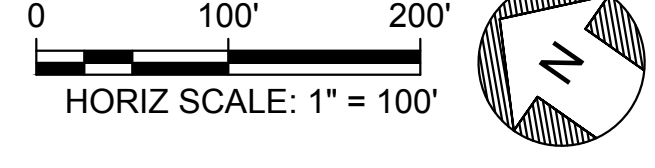
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN
HORIZ SCALE: 1" = 100'



PLAN
HORIZ SCALE: 1" = 100'



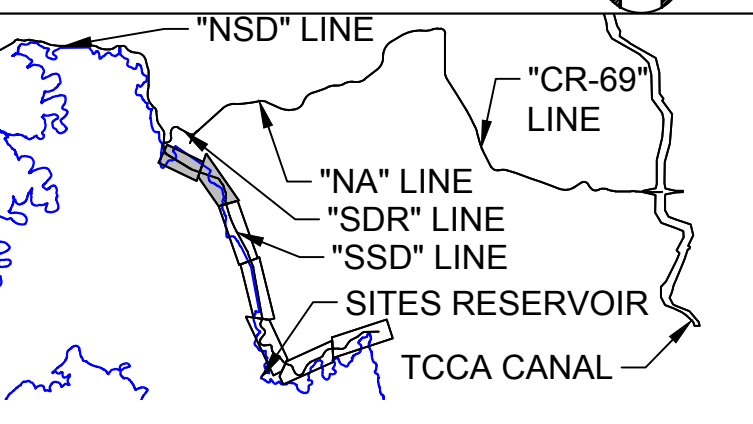
GENERAL NOTES

- 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 RETAINING WALL PLACEMENT IN 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-001-G DESIGNATION.

SHEET KEY NOTES

- GUARD RAILING LIMITS SHOWN ARE PRELIMINARY AND WILL BE FURTHER EVALUATED AT A LATER DESIGN PHASE.

KEY MAP



Plot Date: 3/21/2024 11:21 AM File: c:\pwworking\hdr_sites_reservoir\dms01564\STS-1766-R-2101.dwg Saved By: JAIMES

REV	DATE	BY	CHK	APPR.	DESCRIPTION

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



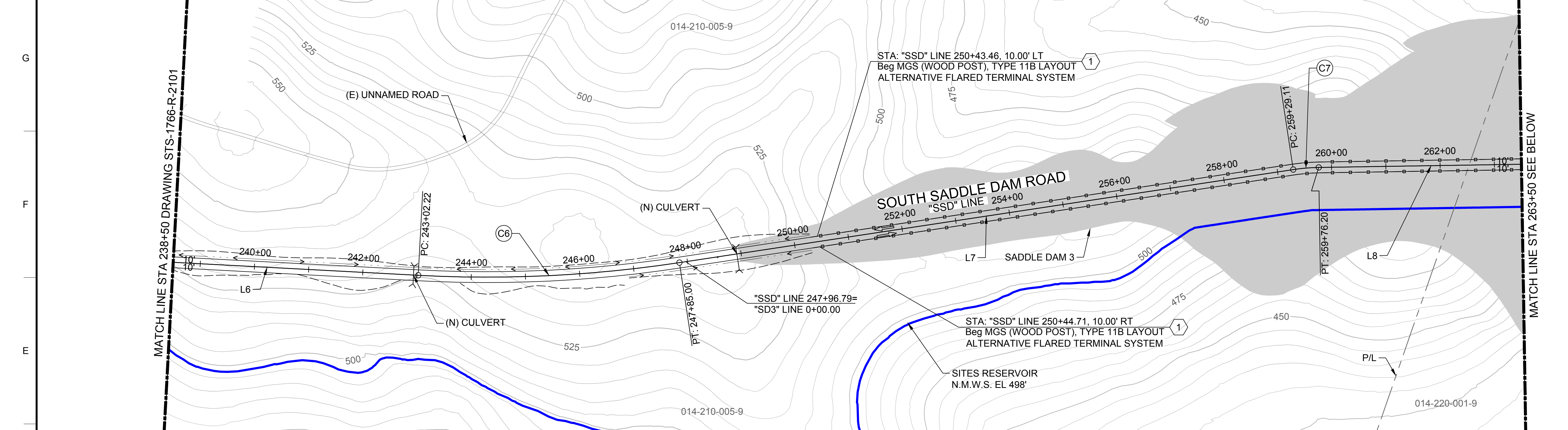
REGISTERED PROFESSIONAL ENGINEER
V. DOCTORO
C78231
CALIFORNIA



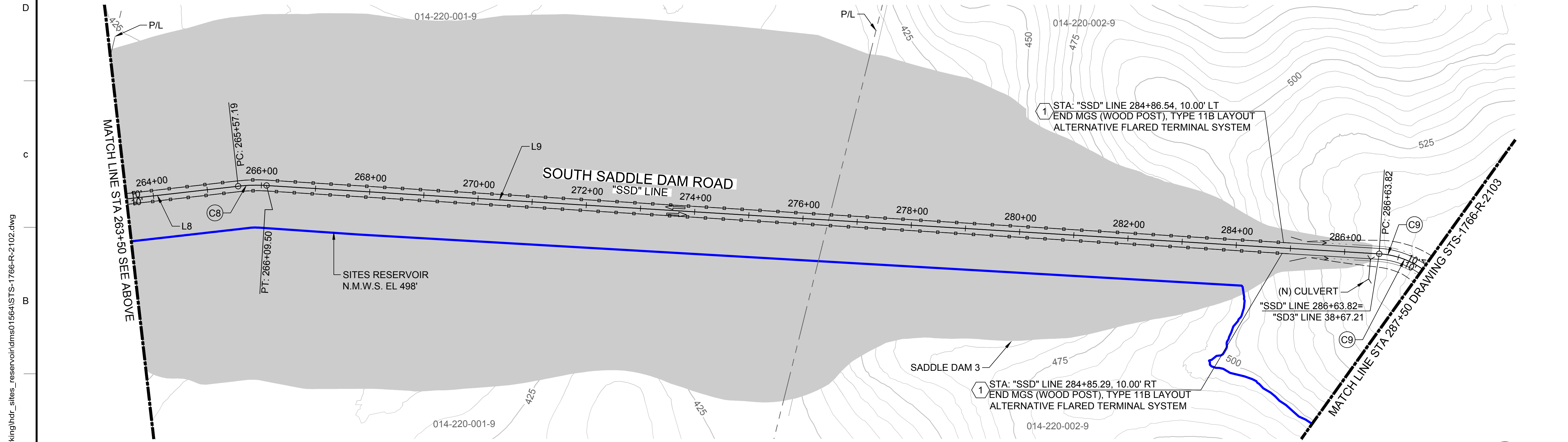
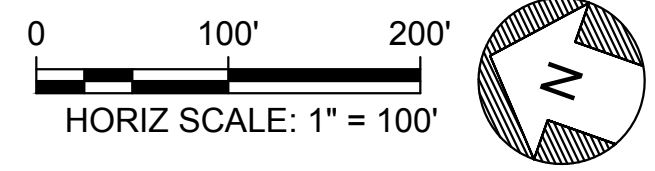
SITES RESERVOIR
SITES RESERVOIR ROADWAY
SOUTH SADDLE DAM ROAD
PLAN

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
DRAWING NO.
STS-1766-R-2101
SHT OF

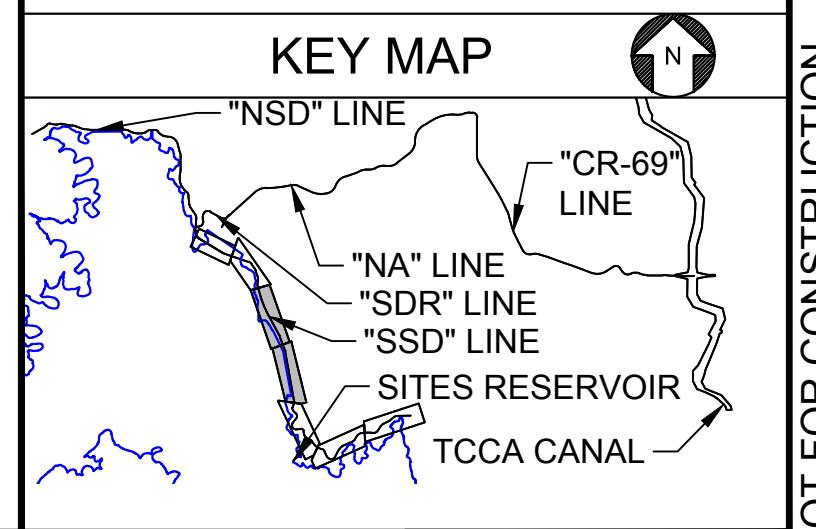
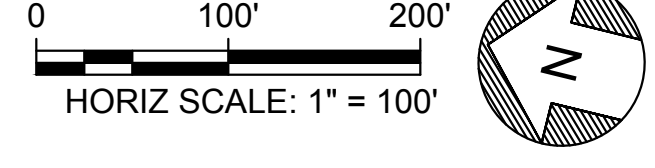
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN
HORIZ SCALE: 1" = 100'



PLAN
HORIZ SCALE: 1" = 100'



Plot Date: 3/21/2024 11:23 AM File: c:\pwworking\hdr_sites_reservoir\dmso1564\STS-1766-R-2102.dwg Saved By: JAIMES

DESIGNED BY:	K. KRAMER
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

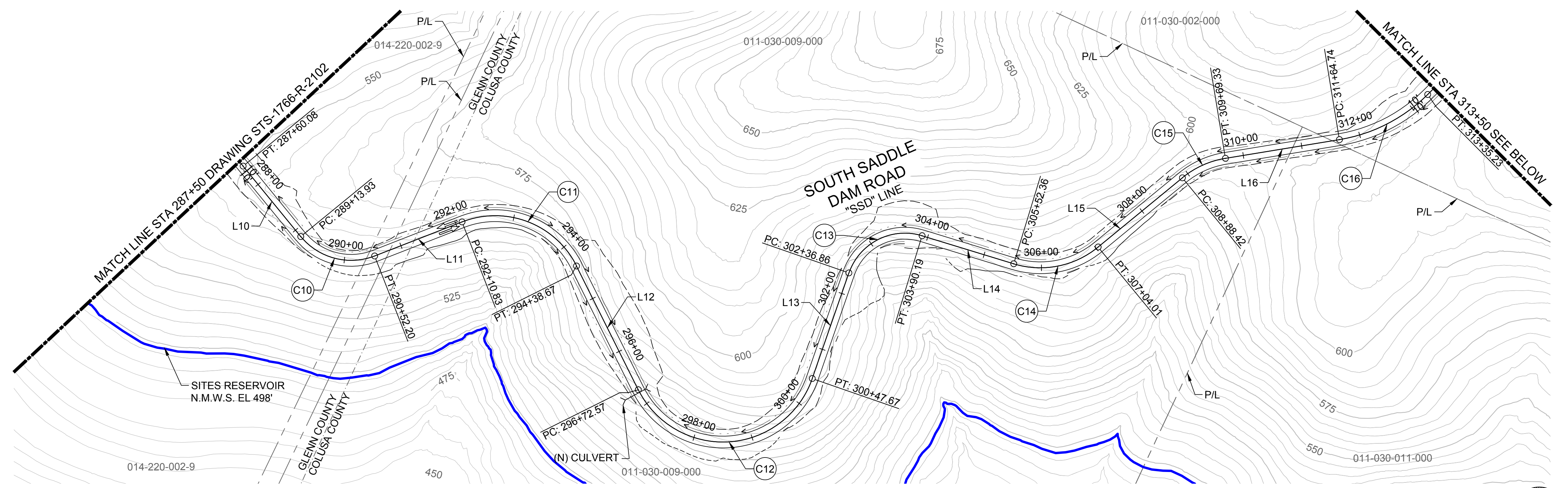
REGISTERED PROFESSIONAL ENGINEER
V. DOCTORO
C78231
CALIFORNIA



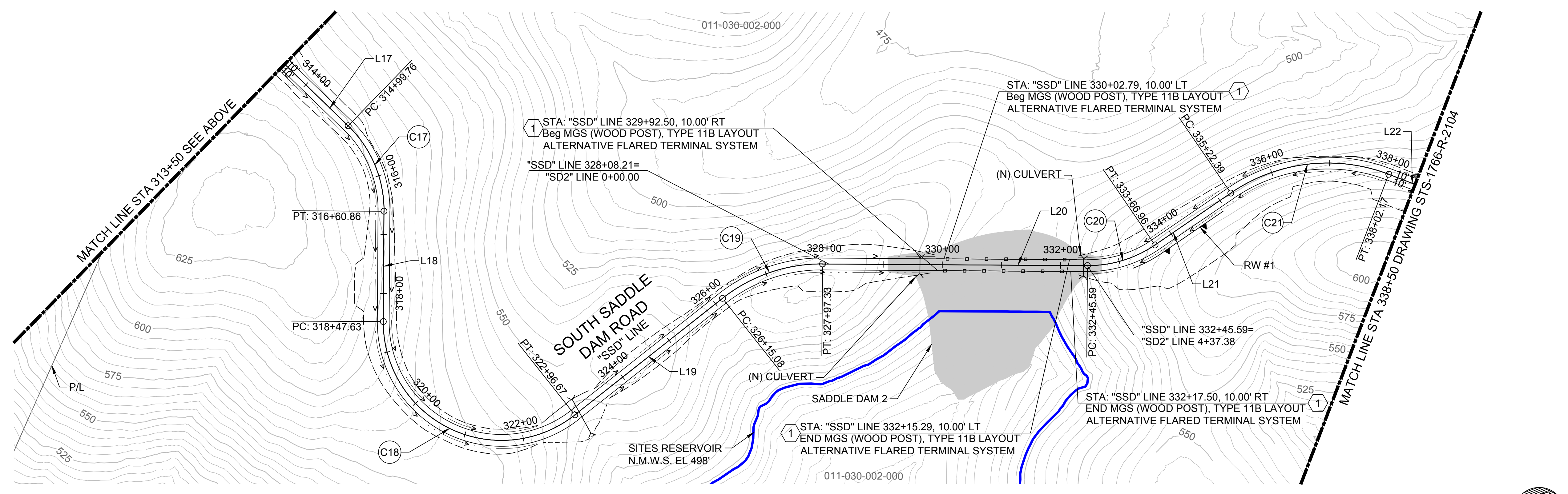
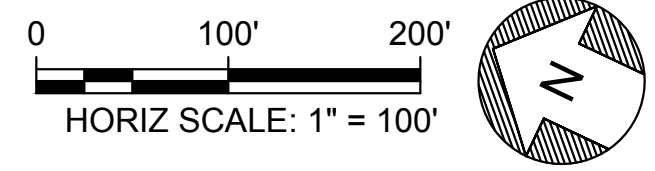
SITES RESERVOIR
SITES RESERVOIR ROADWAY
SOUTH SADDLE DAM ROAD
PLAN

VERIFY SCALES
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DRAWING NO. STS-1766-R-2102
SHT OF

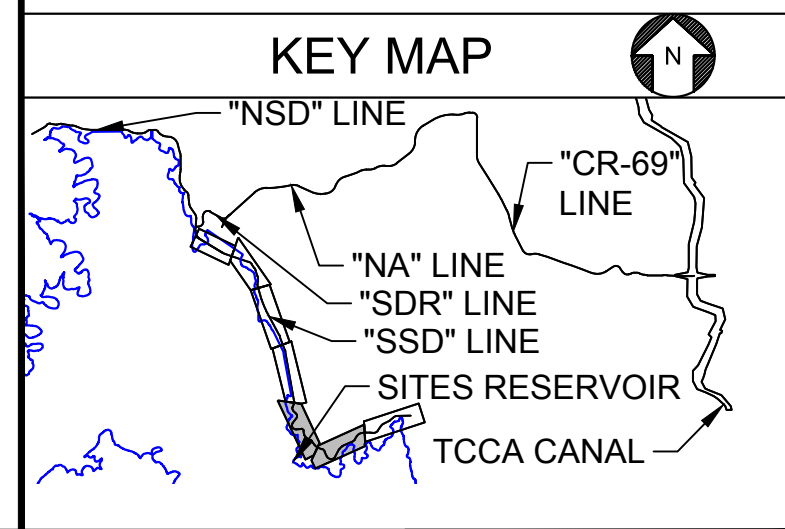
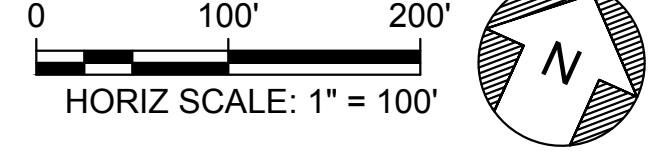
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN
HORIZ SCALE: 1" = 100'



PLAN
HORIZ SCALE: 1" = 100'



Plot Date: 3/21/2024 11:24 AM
File: c:\pwworking\hdr_sites_reservoir\dmso1564\STS-1766-R-2103.dwg
Saved By: JAAMES

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



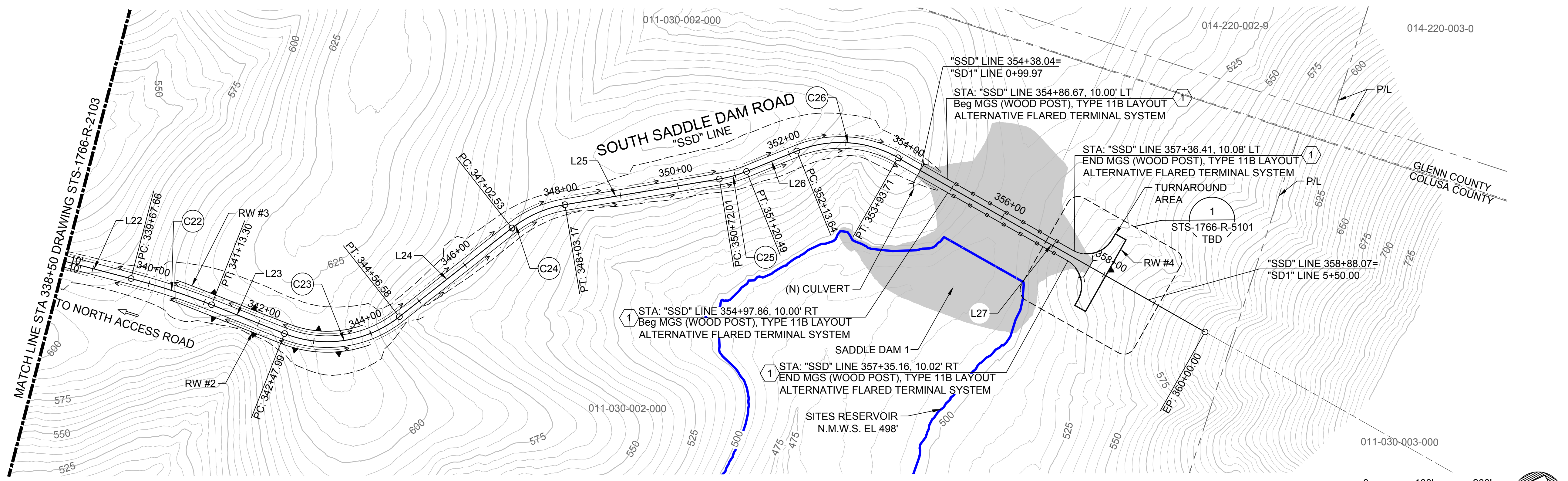
REGISTERED PROFESSIONAL ENGINEER
V. DOCTORO
C78231
CALIFORNIA



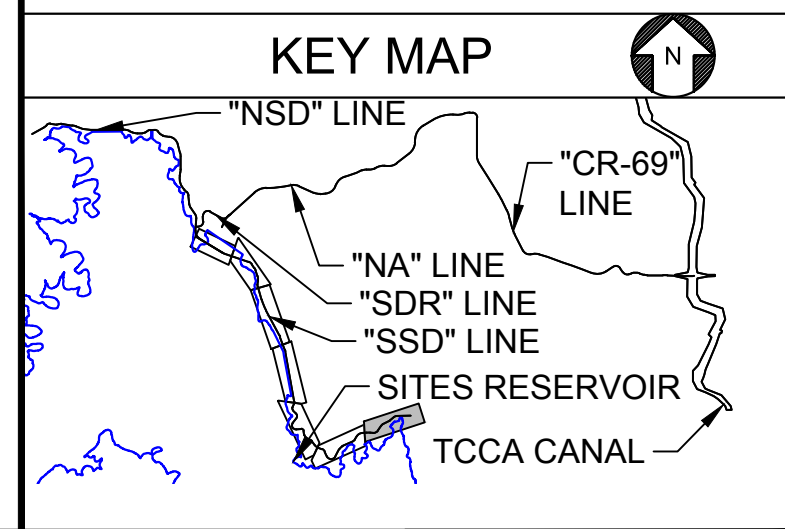
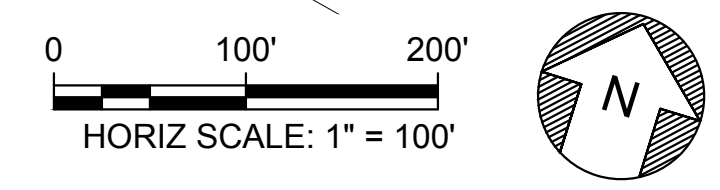
SITES RESERVOIR
SITES RESERVOIR ROADWAY
SOUTH SADDLE DAM ROAD
PLAN

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
DRAWING NO.
STS-1766-R-2103
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN
HORIZ SCALE: 1" = 100'



Plot Date: 3/21/2024 11:26 AM File: c:\pwworking\hdr_sites_reservoir\dmso1564\STS-1766-R-2104.dwg Saved By: JAIMES

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
K. KRAMER

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
SOUTH SADDLE DAM ROAD
PLAN

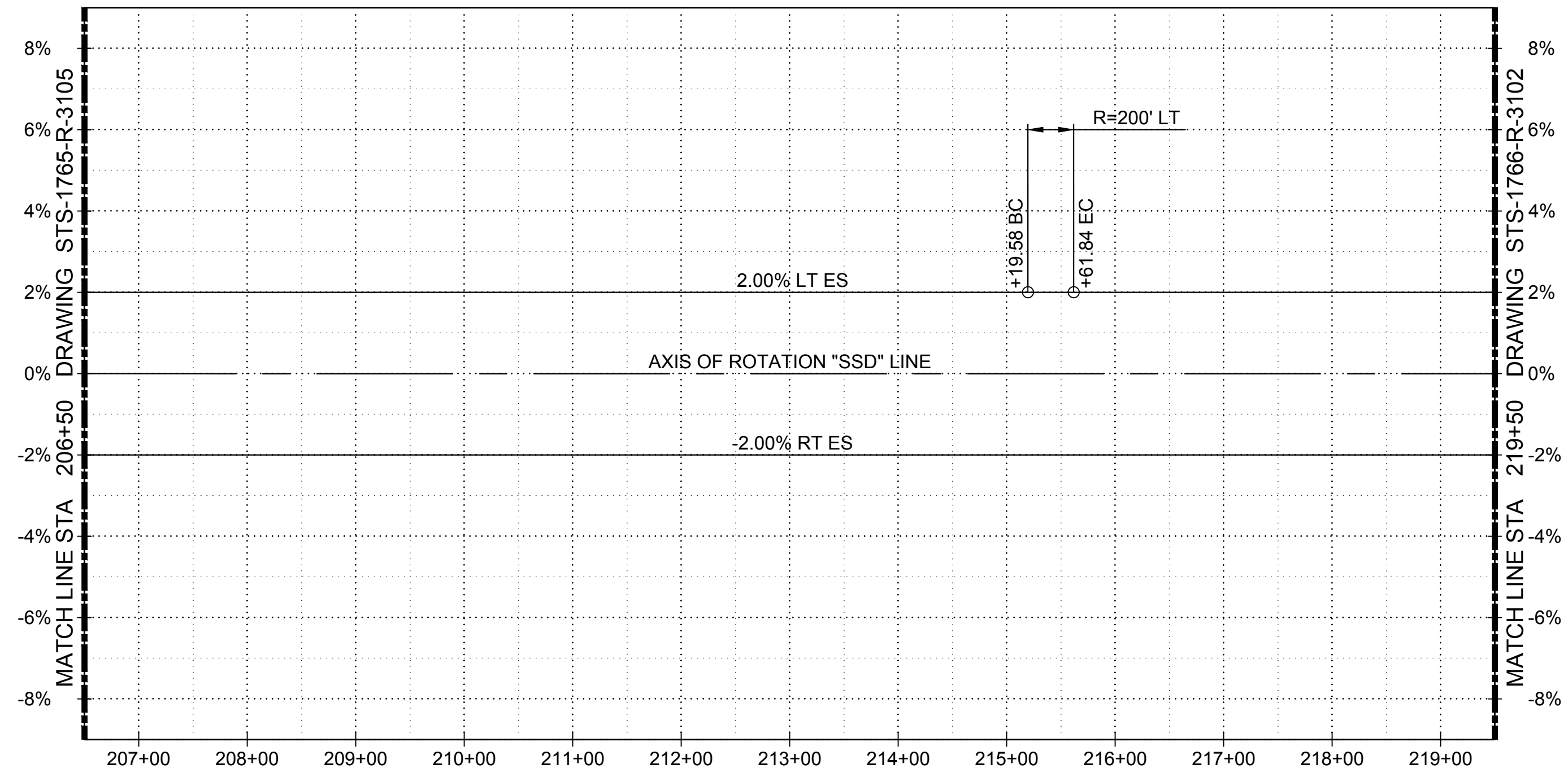
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DRAWING. ADJUST SCALES FOR
REDUCED PLOTS

0 1" 1"

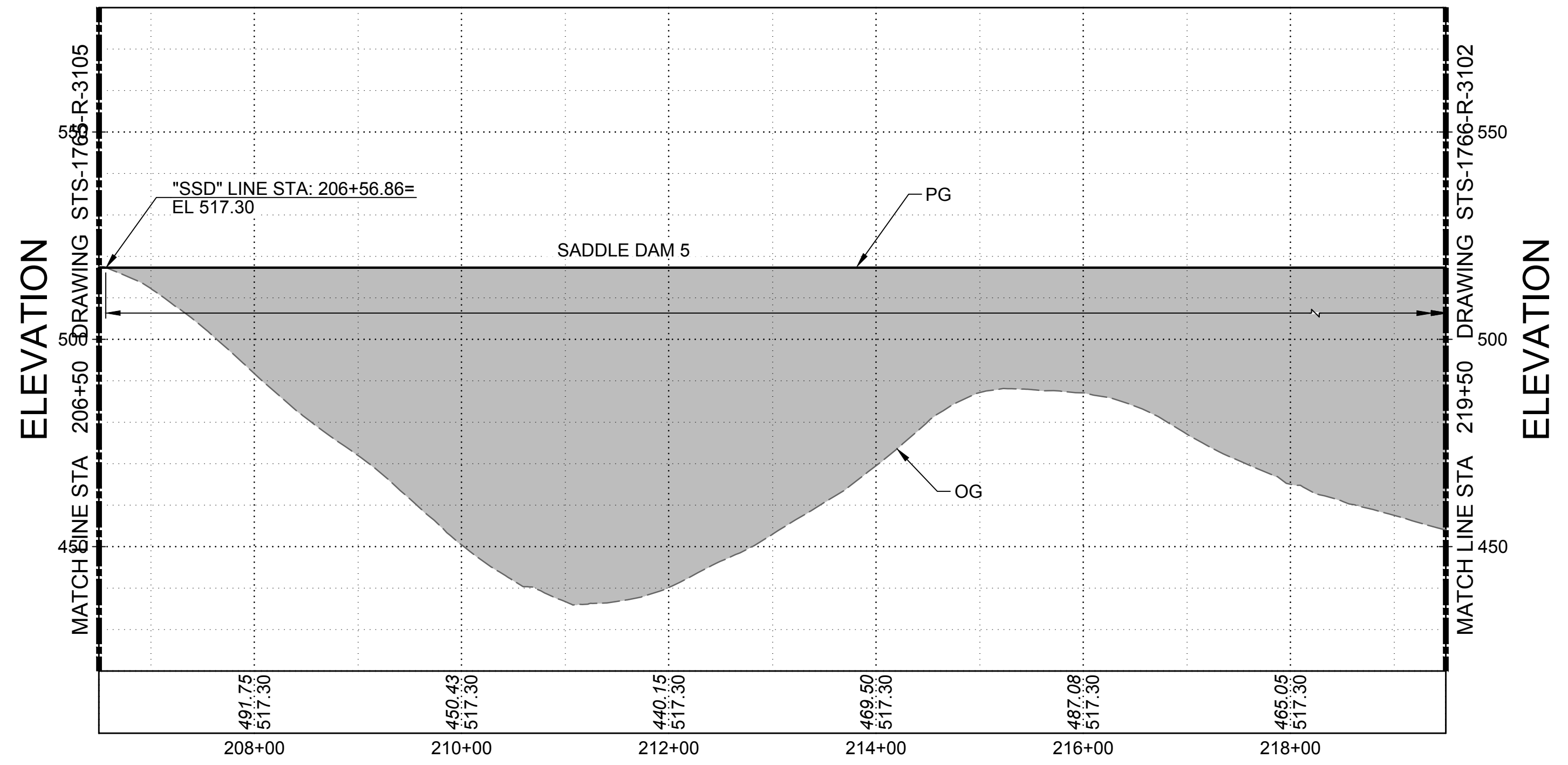
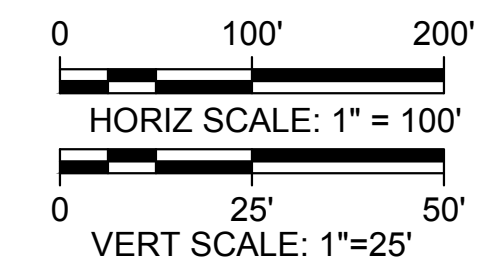
DRAWING NO.
STS-1766-R-2104
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

G
F
E
D
C
B
A



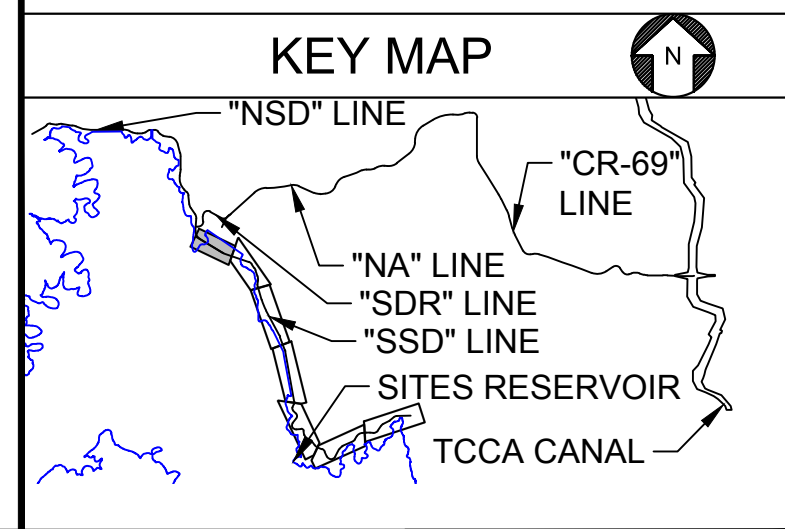
SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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

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 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 CONSTRUCTABILITY WILL BE FURTHER DEVELOPED AT A LATER DESIGN PHASE.



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Plot Date: 3/22/2024 1:10 PM
Saved By: JAIMES

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



REGISTERED
PROFESSIONAL
ENGINEER
V. DOCTORO
C78231
CALIFORNIA



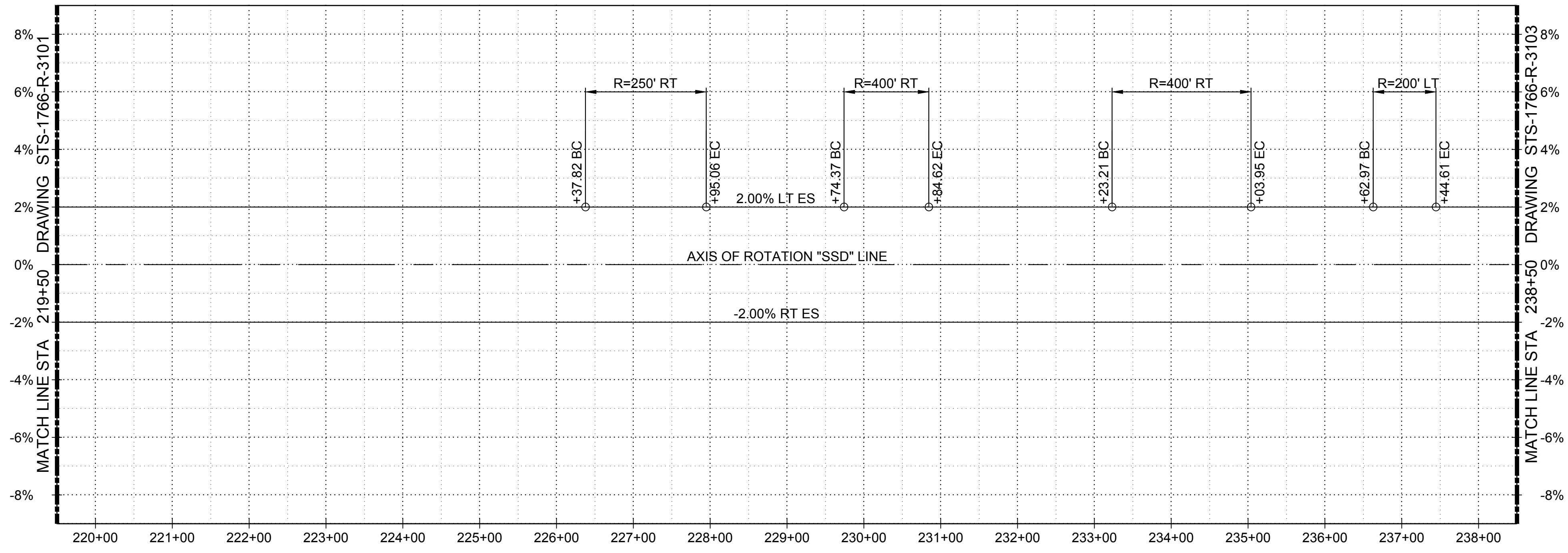
SITES RESERVOIR
SITES RESERVOIR
ROADWAY
SOUTH SADDLE DAM ROAD
SUPERELEVATION AND PROFILE

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO. STS-1766-R-3101 SHT OF

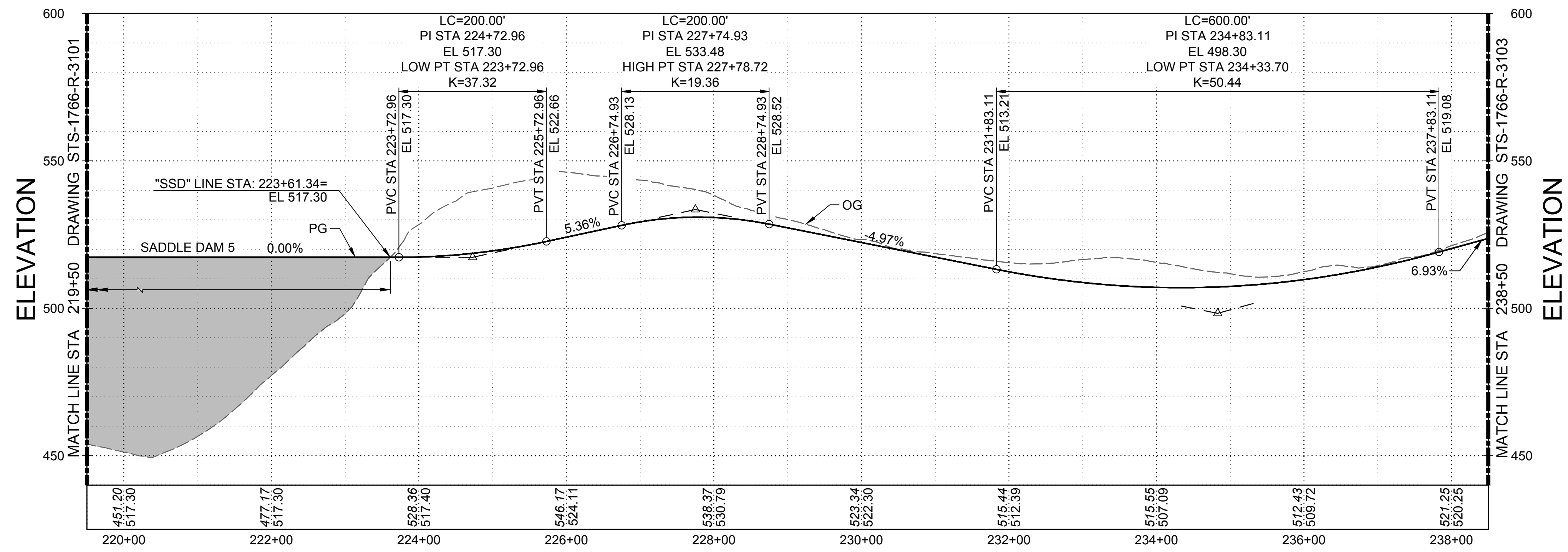
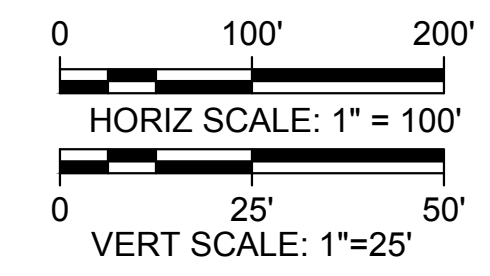
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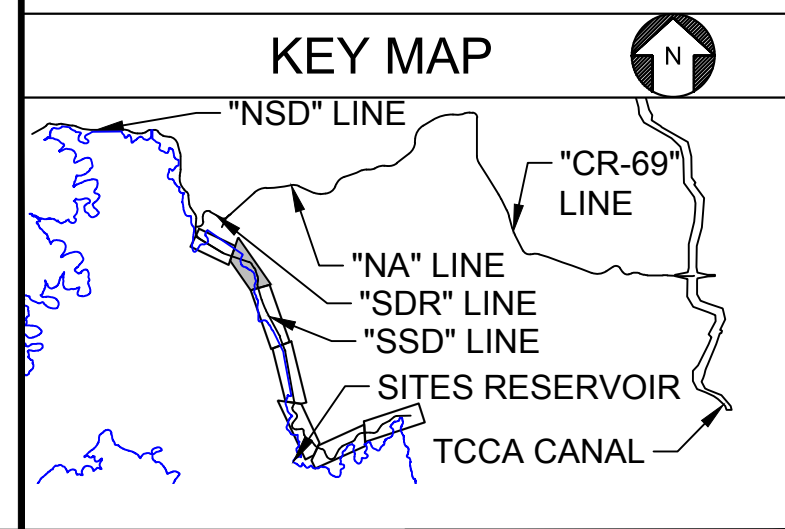
G
F
E
D
C
B
A



SUPERELEVATION DIAGRAM
 HORIZ SCALE: 1" = 100'



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



REV	DATE	BY	CHK	APPR	DESCRIPTION

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



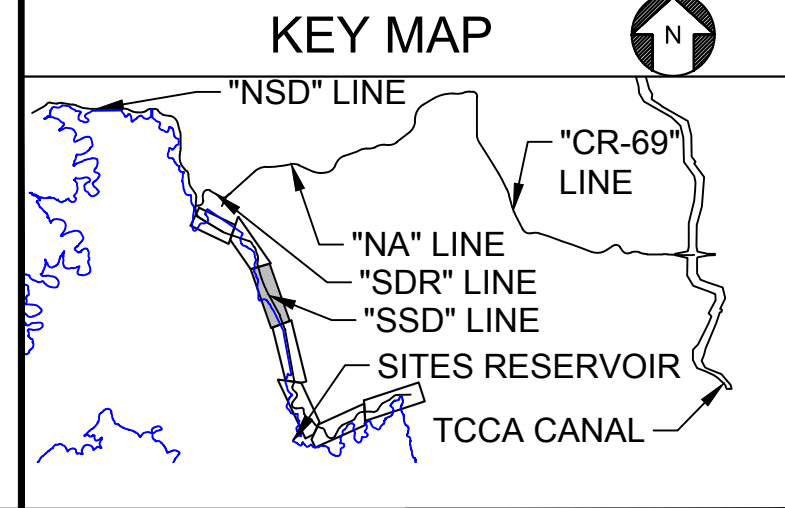
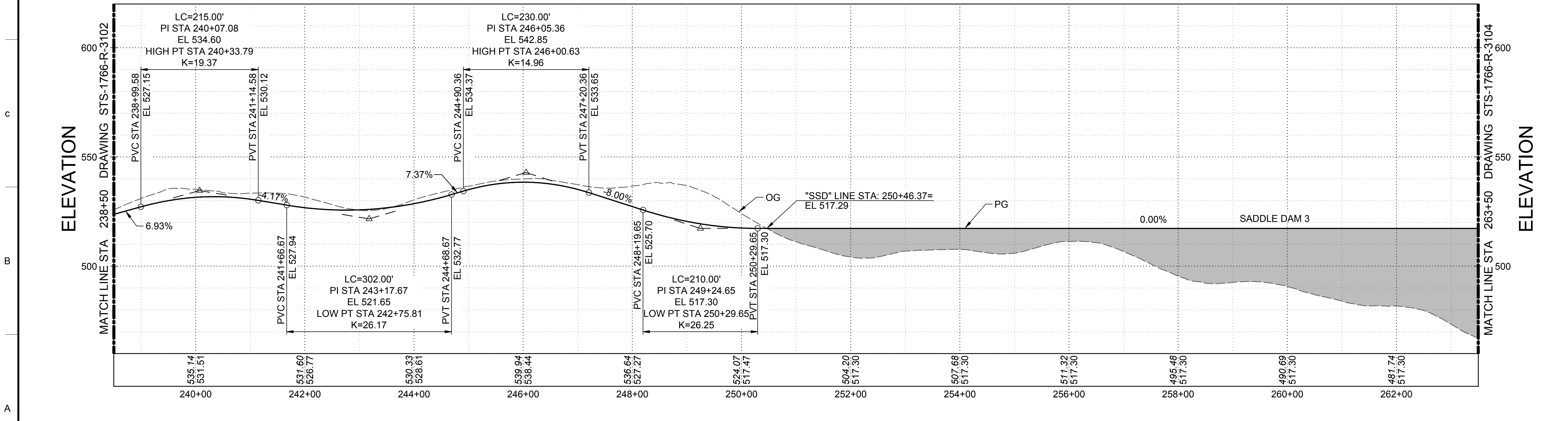
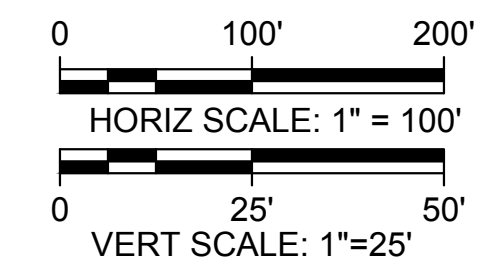
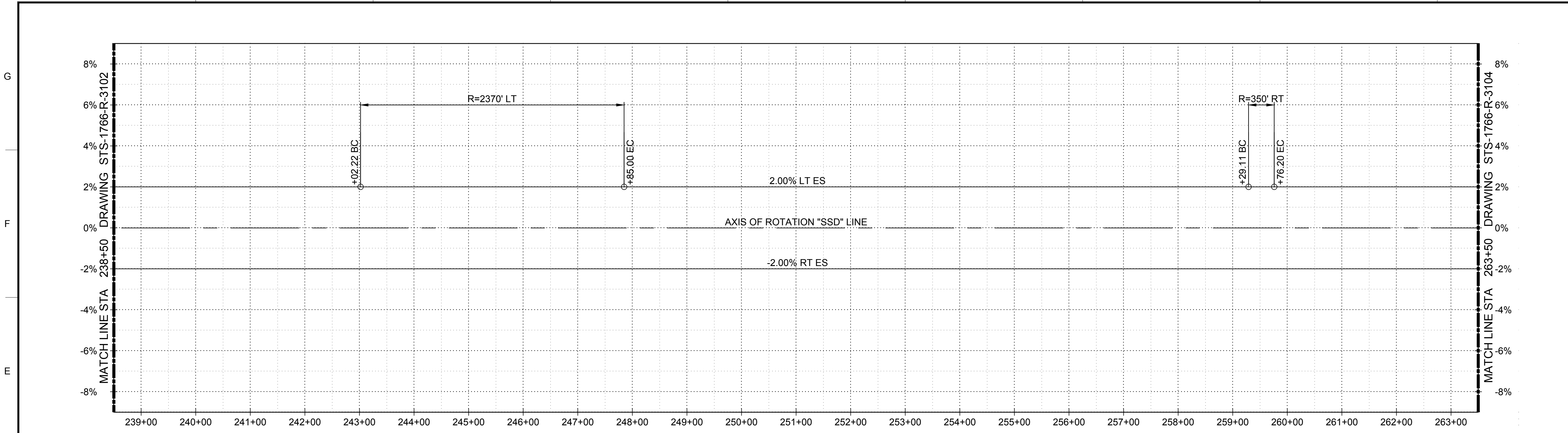
REGISTERED
 PROFESSIONAL
 ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



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

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL
 DRAWING. ADJUST SCALES FOR
 REDUCED PLOTS
 0 1"
 DRAWING NO.
 STS-1766-R-3102
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



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REV	DATE	BY	CHK	APPR	DESCRIPTION

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



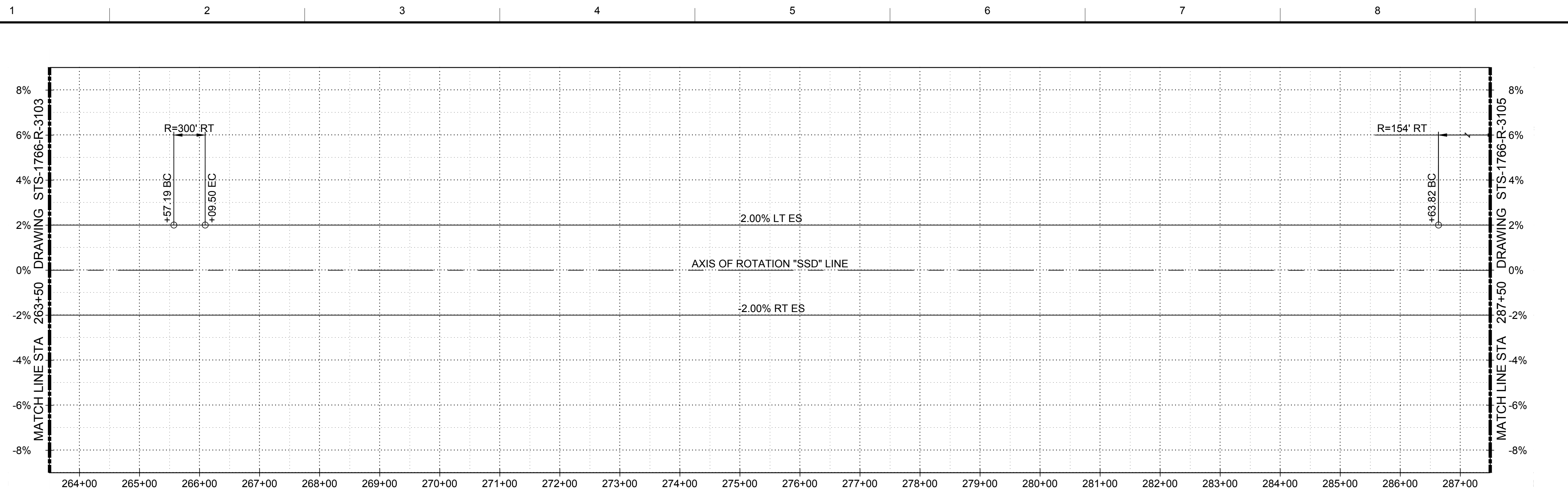
REGISTERED PROFESSIONAL ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



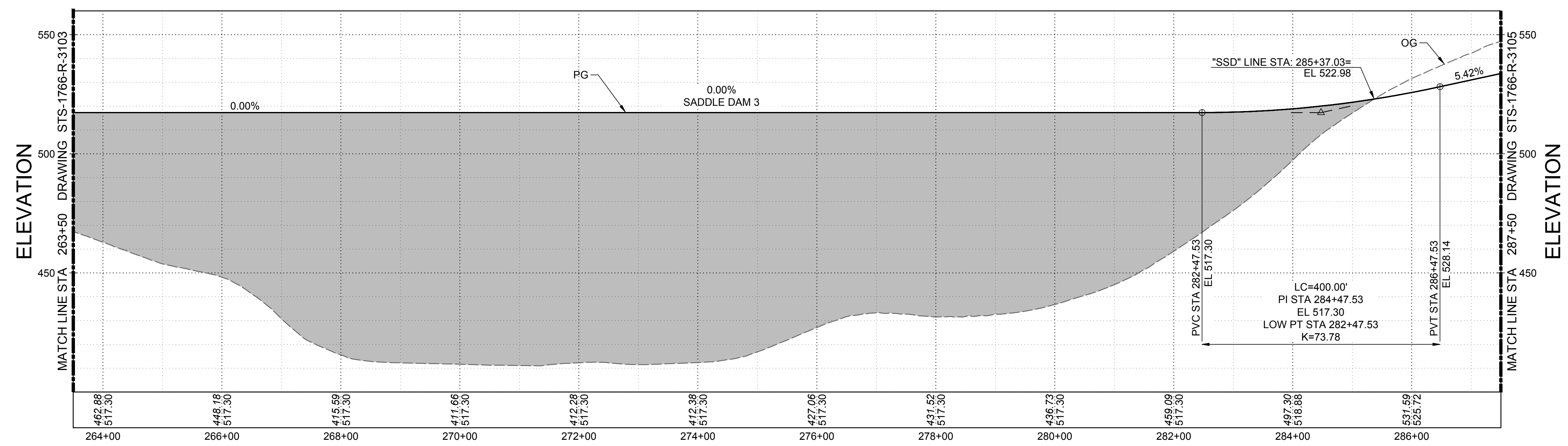
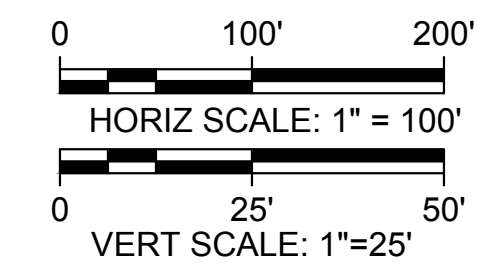
SITES RESERVOIR
 SITES RESERVOIR ROADWAY
 SOUTH SADDLE DAM ROAD
 SUPERELEVATION AND PROFILE

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
 0 1"
 DRAWING NO. STS-1766-R-3103
 SHT OF

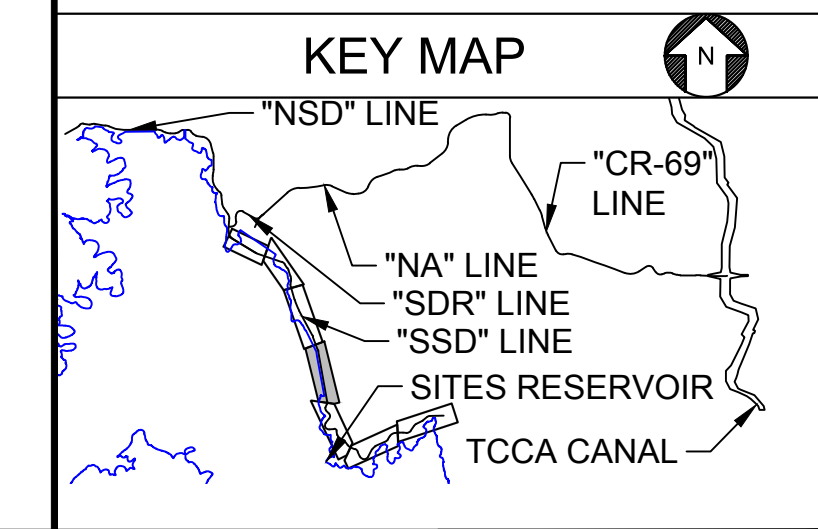
30% SUBMITTAL - NOT FOR CONSTRUCTION



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/22/2024 1:15 PM
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REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
K. KRAMER

DRAWN BY:
K. KRAMER

CHECKED BY:
A. GLEN

IN CHARGE:
H. MICHAEL

DATE:
03/15/24



REGISTERED
PROFESSIONAL
ENGINEER
V. DOCTORO
C78231
CALIFORNIA



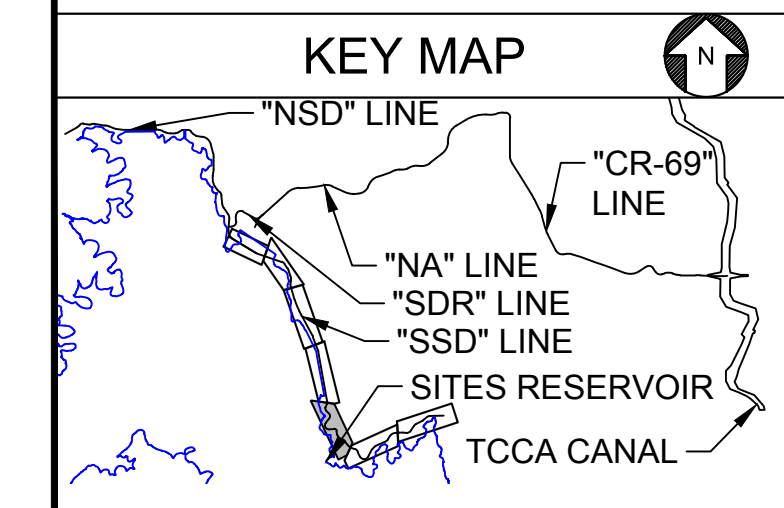
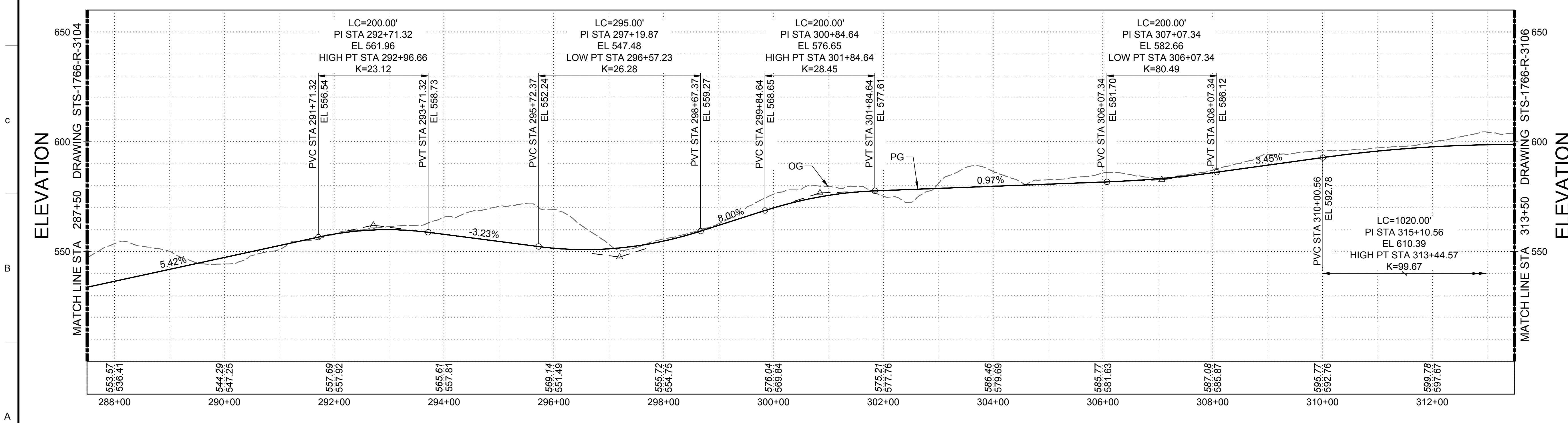
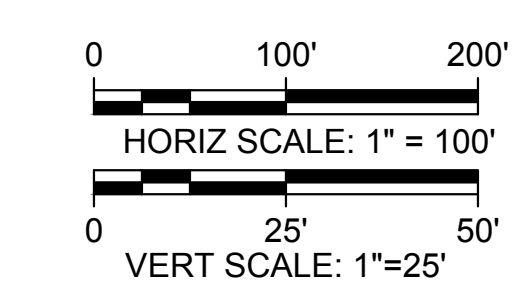
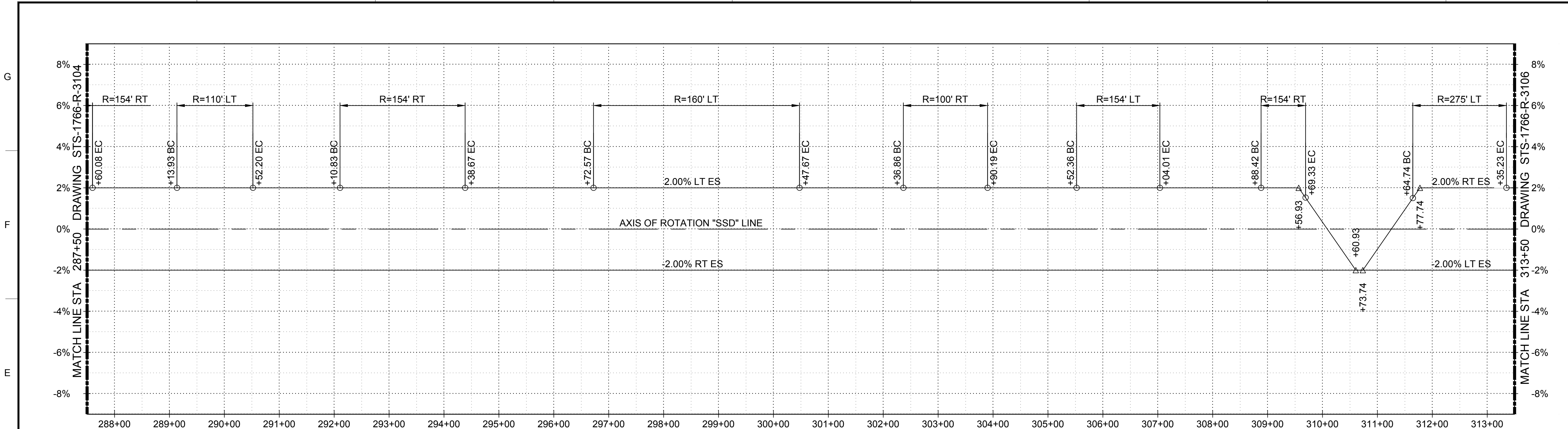
SITES RESERVOIR
SITES RESERVOIR
ROADWAY
SOUTH SADDLE DAM ROAD
SUPERELEVATION AND PROFILE

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

0 1"

DRAWING NO.
STS-1766-R-3104
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



Plot Date: 3/22/2024 1:13 PM
 Saved By: JAAMES
 File: C:\pwworking\hdr_sites_reservoir\dms01564\STS-1766-R-3105.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
K. KRAMER
 DRAWN BY:
K. KRAMER
 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

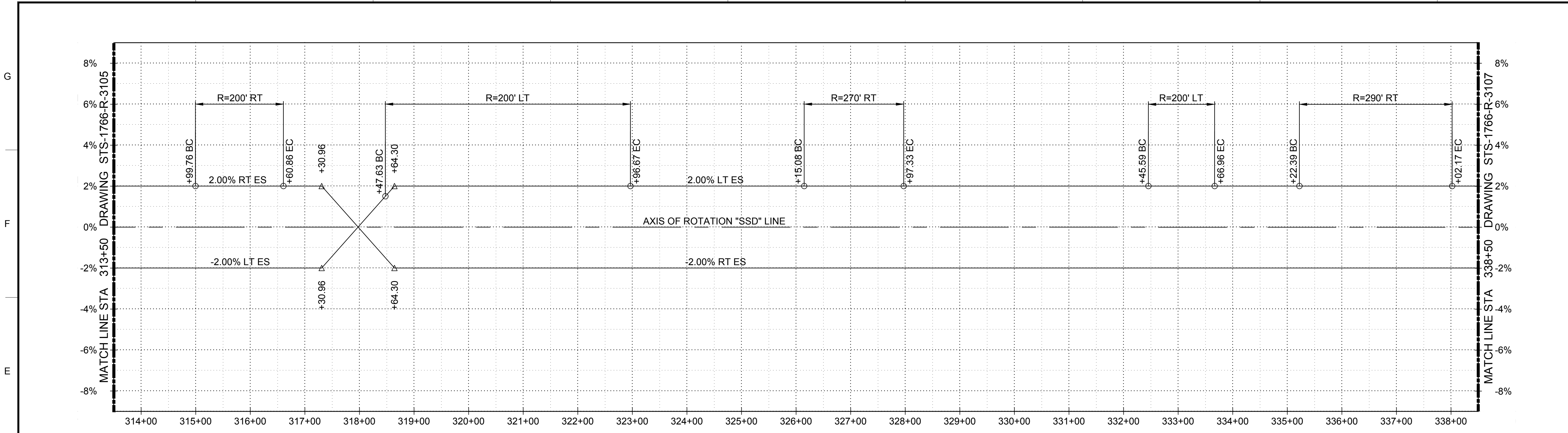
REGISTERED
 PROFESSIONAL
 ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



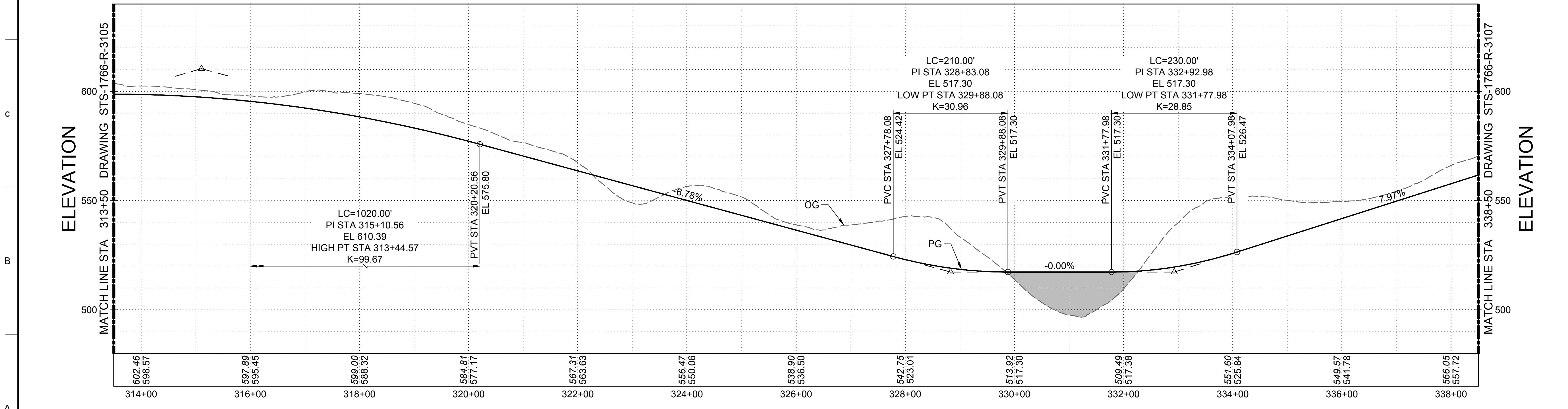
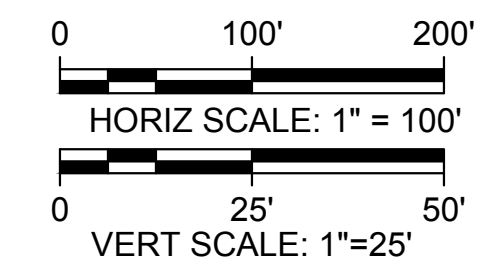
SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 SOUTH SADDLE DAM ROAD
 SUPERELEVATION AND PROFILE

VERIFY SCALES
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 DRAWINGS. ADJUST SCALES FOR
 REDUCED PLOTS
 0 1"
 DRAWING NO.
 STS-1766-R-3105
 SHT OF

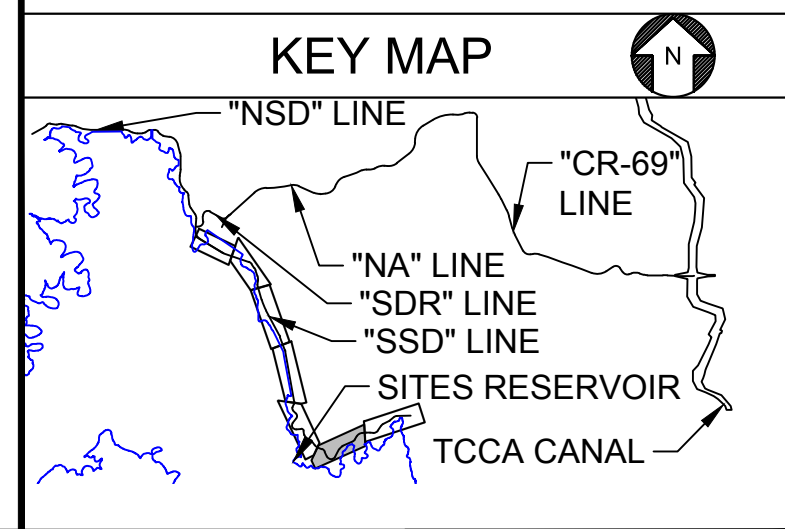
30% SUBMITTAL - NOT FOR CONSTRUCTION



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/22/2024 1:16 PM
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REV	DATE	BY	CHK	APPR	DESCRIPTION

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



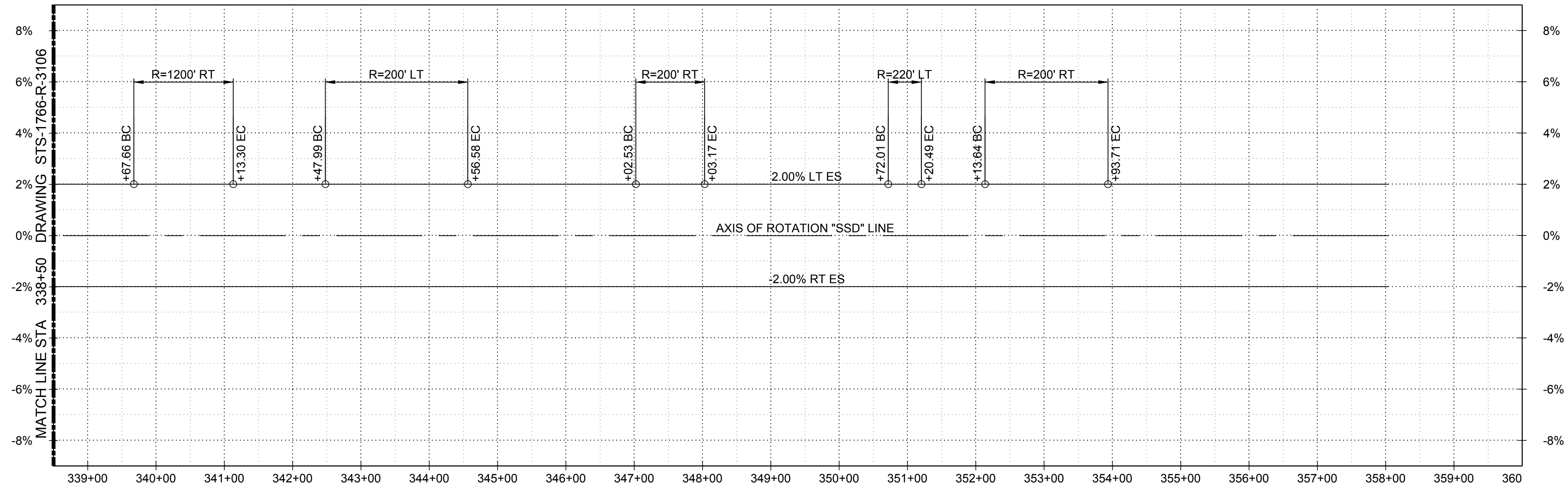
REGISTERED PROFESSIONAL ENGINEER
V. DOCTORO
C78231
CALIFORNIA



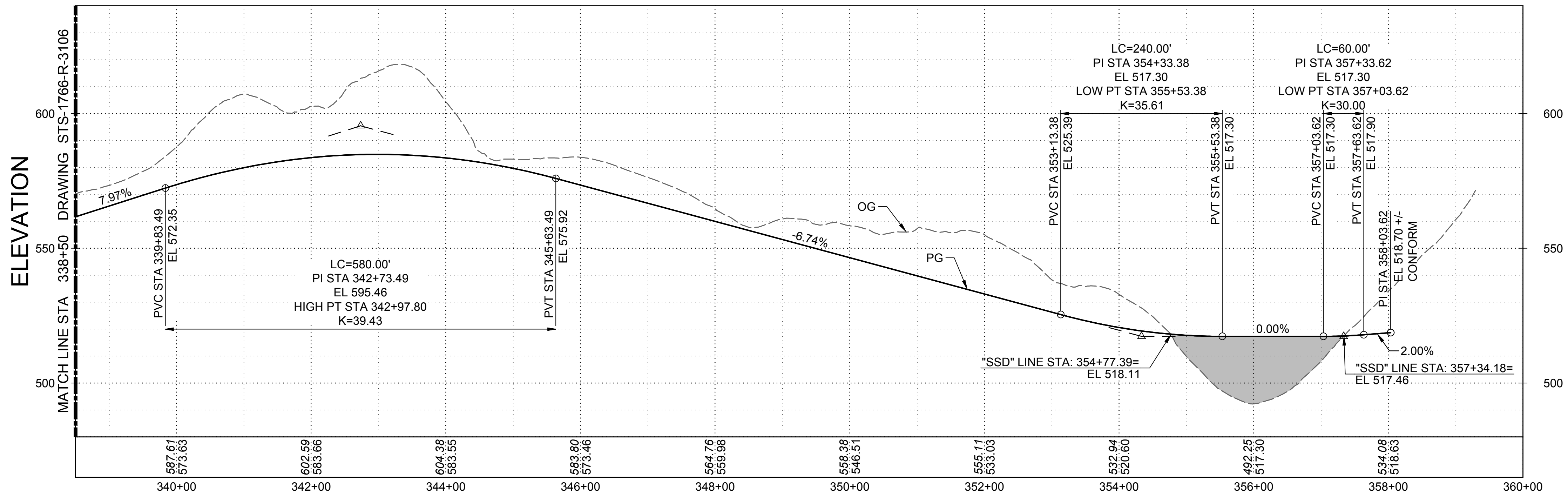
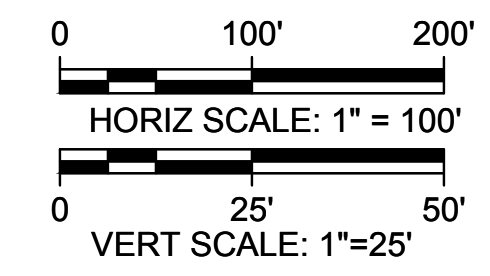
SITES RESERVOIR
SITES RESERVOIR ROADWAY
SOUTH SADDLE DAM ROAD
SUPERELEVATION AND PROFILE

VERIFY SCALES
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DRAWING NO.
STS-1766-R-3106
SHT OF

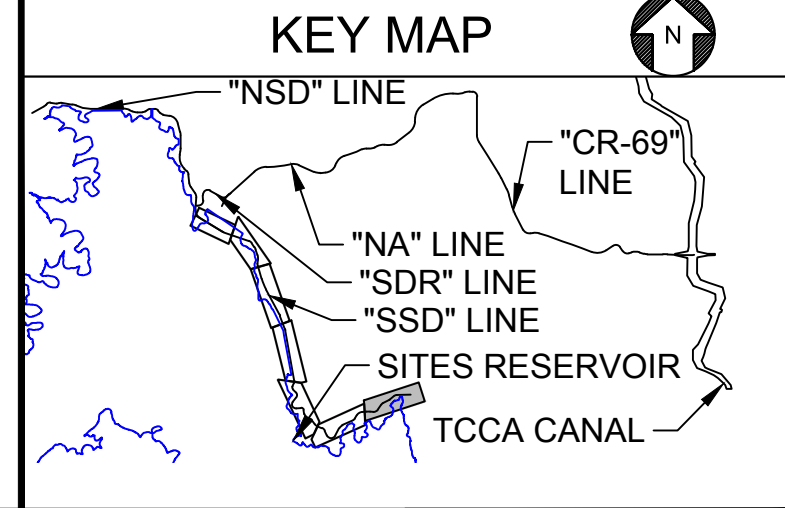
30% SUBMITTAL - NOT FOR CONSTRUCTION



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/22/2024 1:18 PM
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REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED
PROFESSIONAL
ENGINEER
V. DOCTORO
C78231
CALIFORNIA

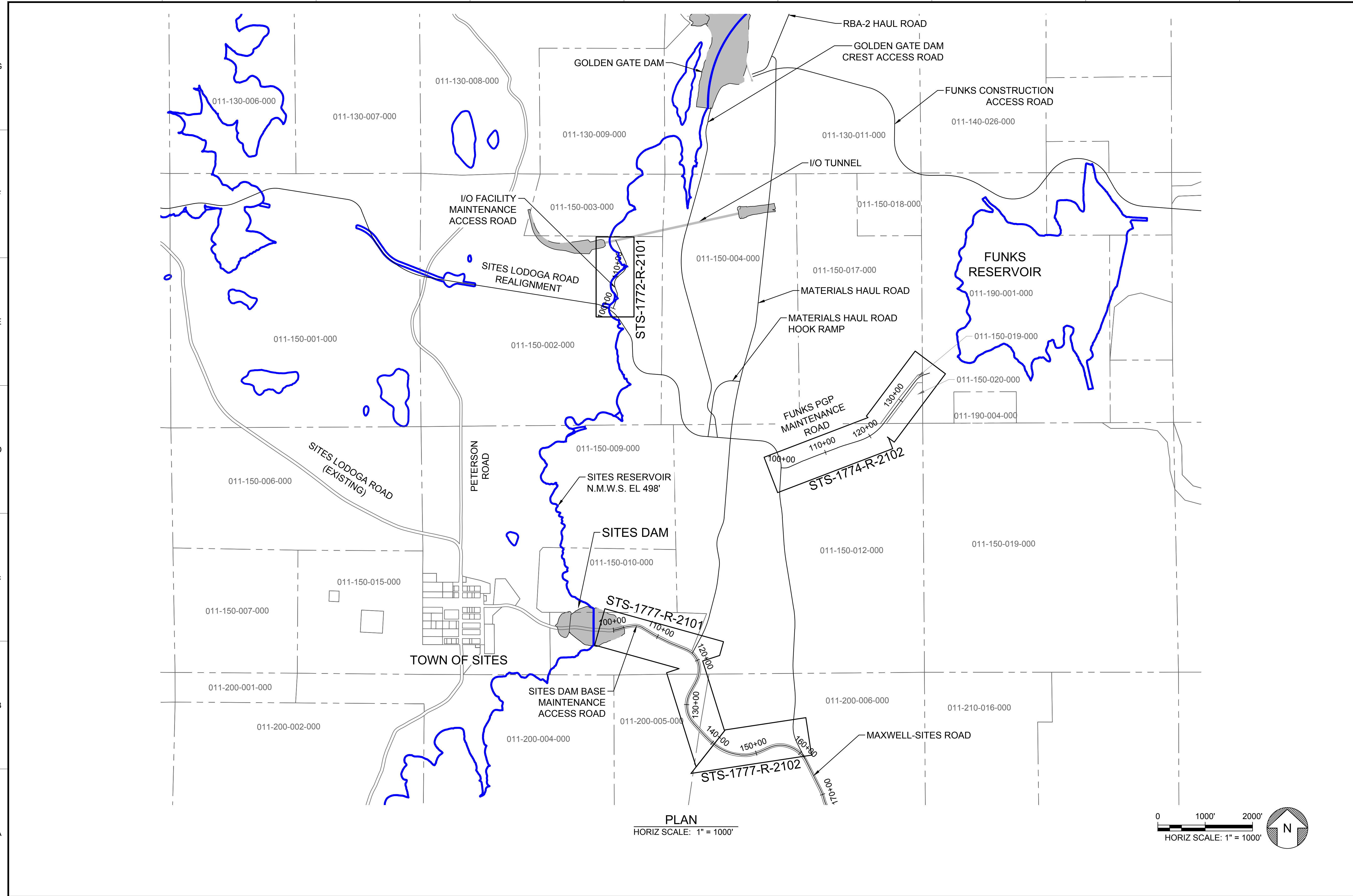


SITES RESERVOIR
SITES RESERVOIR
ROADWAY
SOUTH SADDLE DAM ROAD
SUPERELEVATION AND PROFILE

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL
DRAWING. ADJUST SCALES FOR
REDUCED PLOTS
DRAWING NO.
STS-1766-R-3107
SHT OF

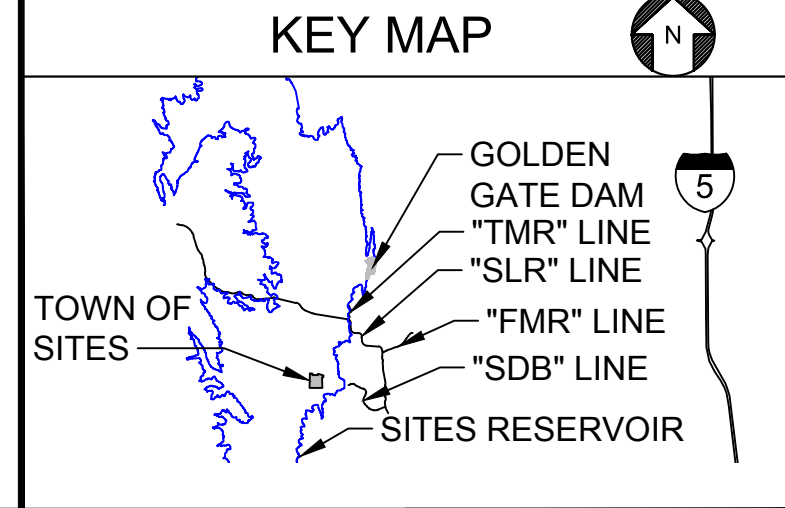
30% SUBMITTAL - NOT FOR CONSTRUCTION

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 Saved By: SMITHE13



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.



REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED PROFESSIONAL ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



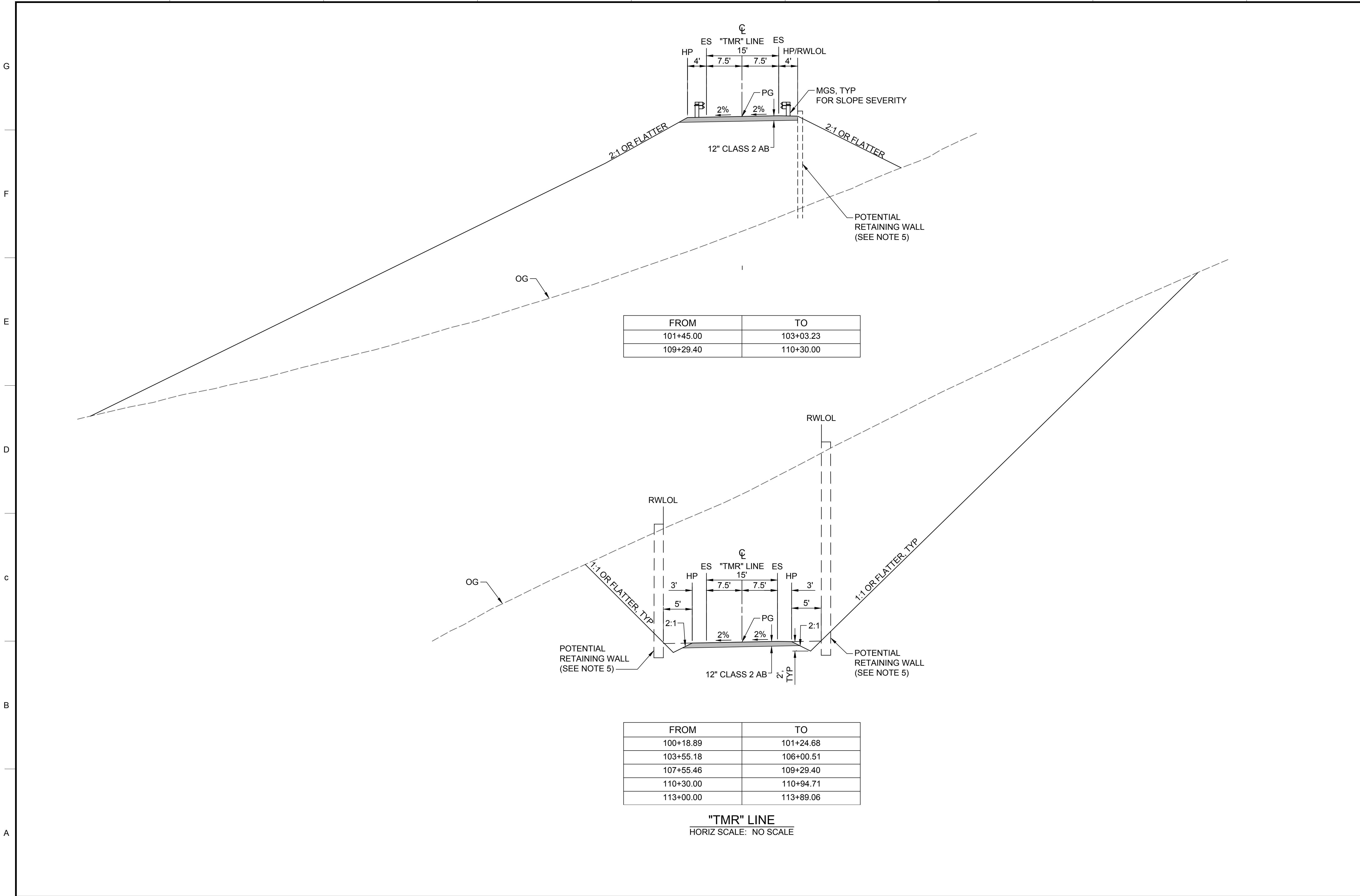
SITES RESERVOIR
 SITES RESERVOIR ROADWAY MAINTENANCE ACCESS ROADS KEY MAP INDEX

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
 0 1" 1"
 DRAWING NO. STS-1770-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.
2. SUPERELEVATIONS 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 AND COMPACTED NATIVE MATERIAL.
5. GEOTECHNICAL INFORMATION AND FIELD INVESTIGATIONS NEEDED TO DETERMINE PAVEMENT STRUCTURAL SECTIONS, CUT AND FILL SLOPES, AND RETAINING WALL LIMITS.



FROM	TO
101+45.00	103+03.23
109+29.40	110+30.00

FROM	TO
100+18.89	101+24.68
103+55.18	106+00.51
107+55.46	109+29.40
110+30.00	110+94.71
113+00.00	113+89.06

"TMR" LINE
HORIZ SCALE: NO SCALE

Plot Date: 3/22/2024 12:30 PM File: C:\pwworking\hdr_sites_reservoir\dms01500\STS-1772-R-1101.dwg Saved By: KRICKORIANE

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



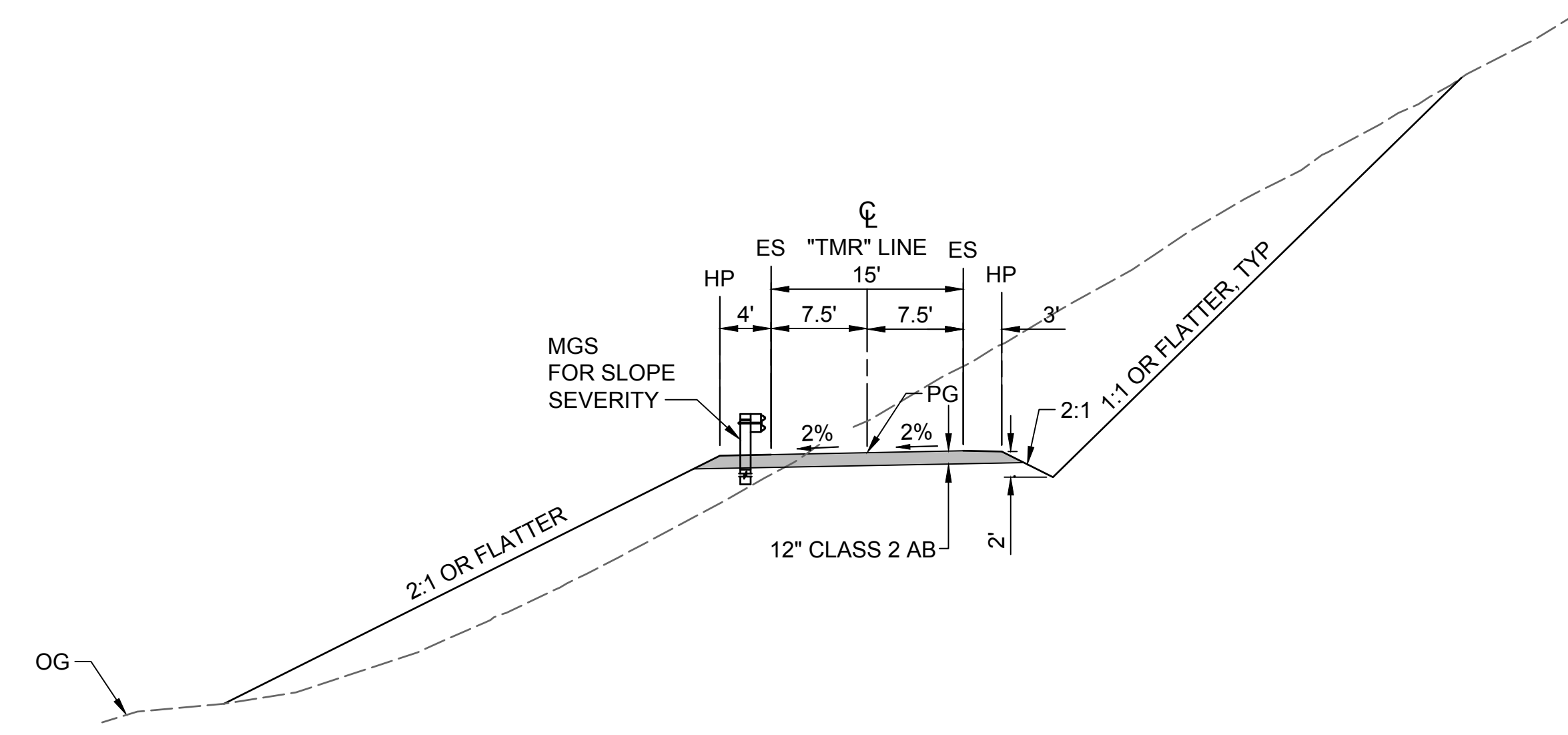
REGISTERED PROFESSIONAL ENGINEER
V. DOCTOLERO
C78231
CALIFORNIA



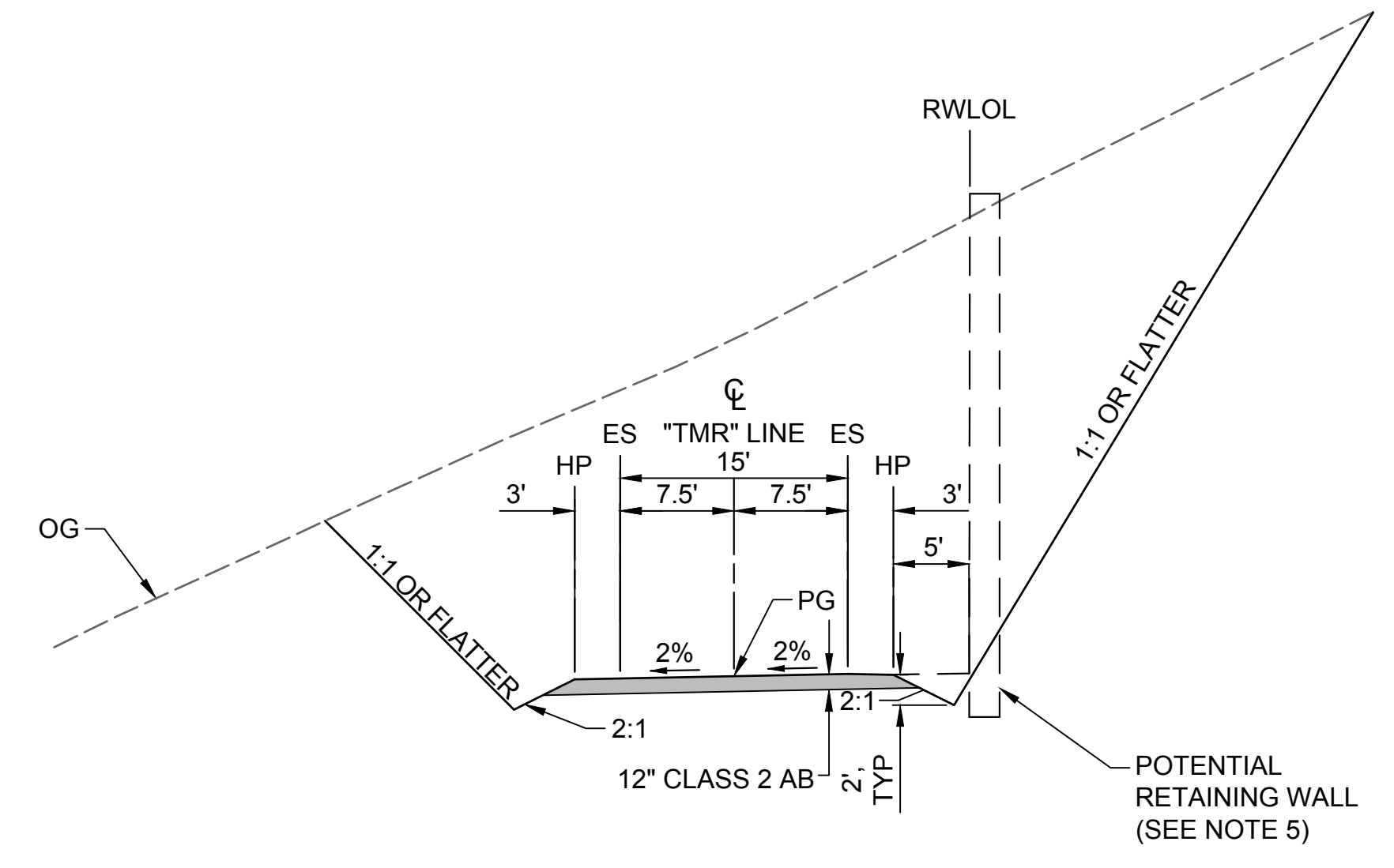
SITES RESERVOIR
SITES RESERVOIR ROADWAY
I/O FACILITY MAINTENANCE ACCESS ROAD
TYPICAL SECTIONS

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
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DRAWING NO.
STS-1772-R-1101
SHT OF

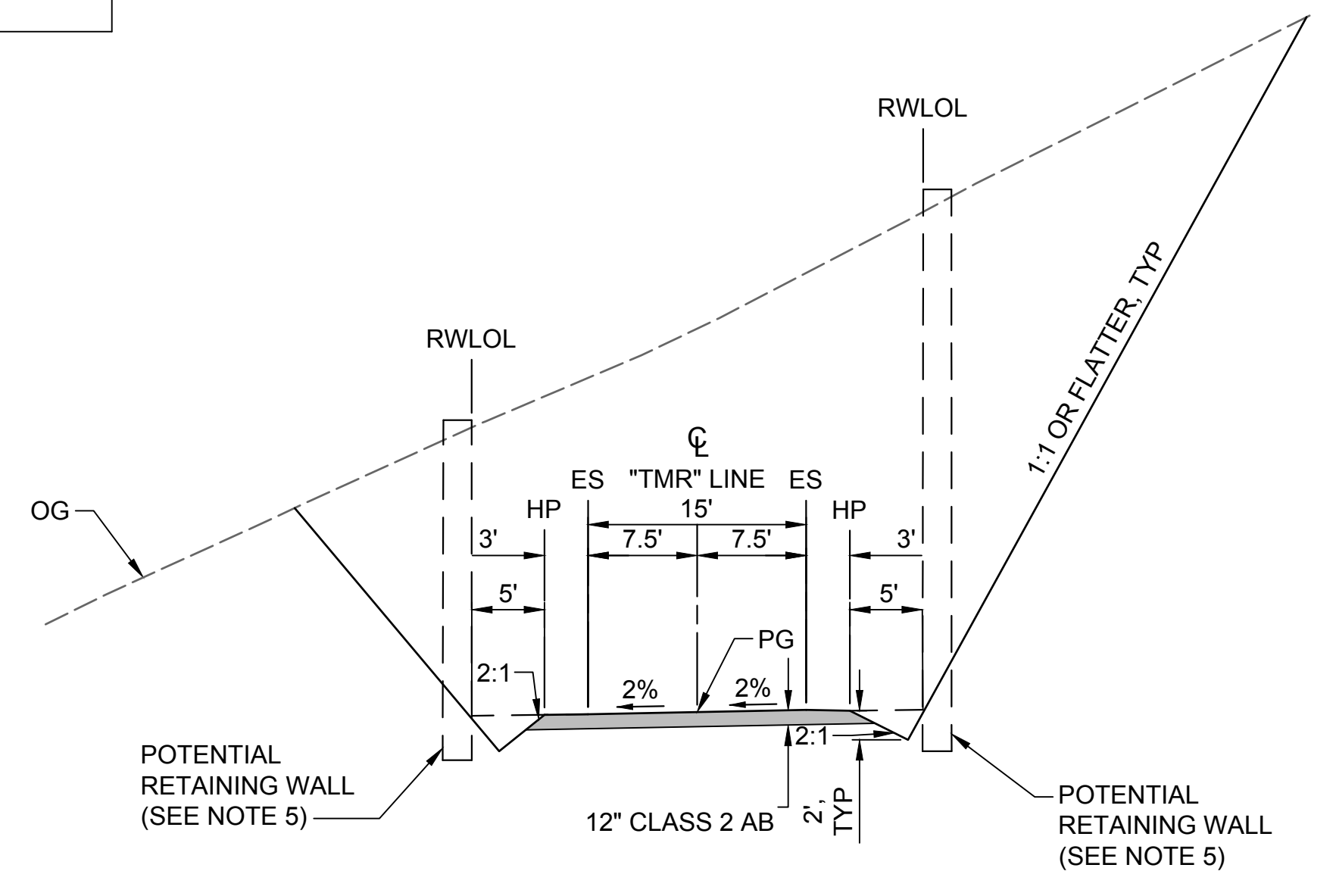
30% SUBMITTAL - NOT FOR CONSTRUCTION



FROM	TO
101+24.68	101+45.00
103+03.23	103+59.55
106+00.51	107+55.46
109+29.40	109+59.90



FROM	TO
110+94.71	113+00.00
113+89.06	114+20.62
115+49.52	116+01.68



FROM	TO
114+20.16	115+49.52

"TMR" LINE
HORIZ SCALE: NO SCALE

Plot Date: 3/21/2024 4:47 PM
Saved By: WOLFEM1
File: c:\pwworking\hdr_sites_reservoir\hdr_sites_reservoir\dms01500\STS-1772-R-1102.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED
PROFESSIONAL
ENGINEER
V. DOCTOLERO
C78231
CALIFORNIA



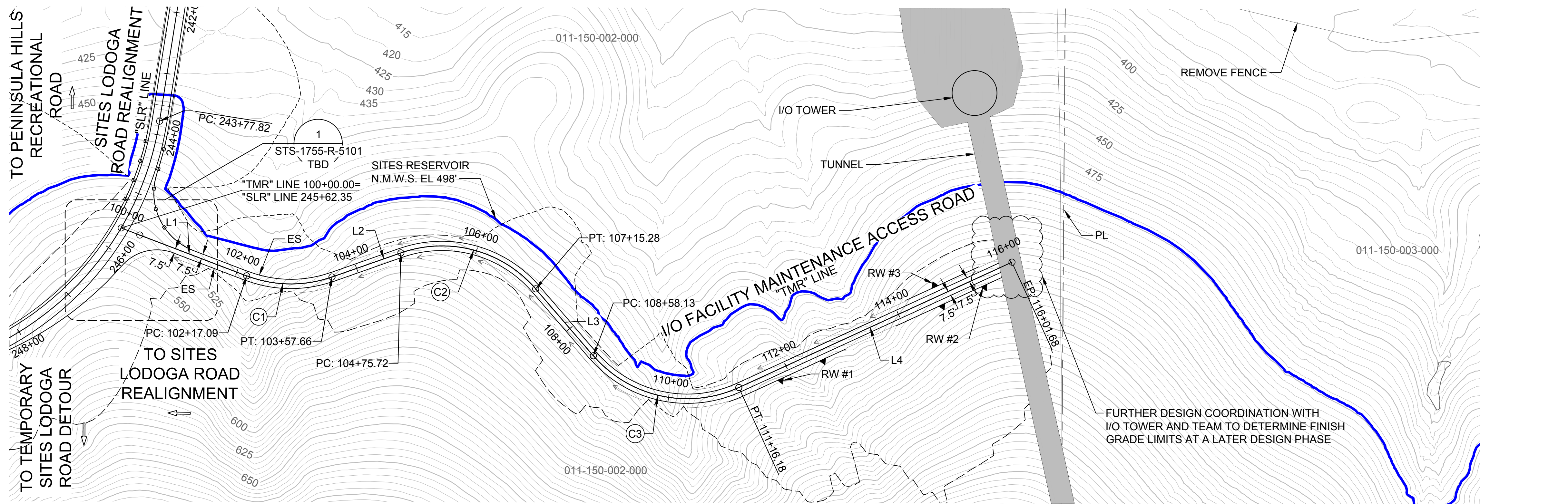
SITES RESERVOIR
SITES RESERVOIR
ROADWAY
I/O FACILITY MAINTENANCE ACCESS ROAD
TYPICAL SECTIONS

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL
DRAWINGS. ADJUST SCALES FOR
REDUCED PLOTS
0 1"
DRAWING NO.
STS-1772-R-1102
SHT OF

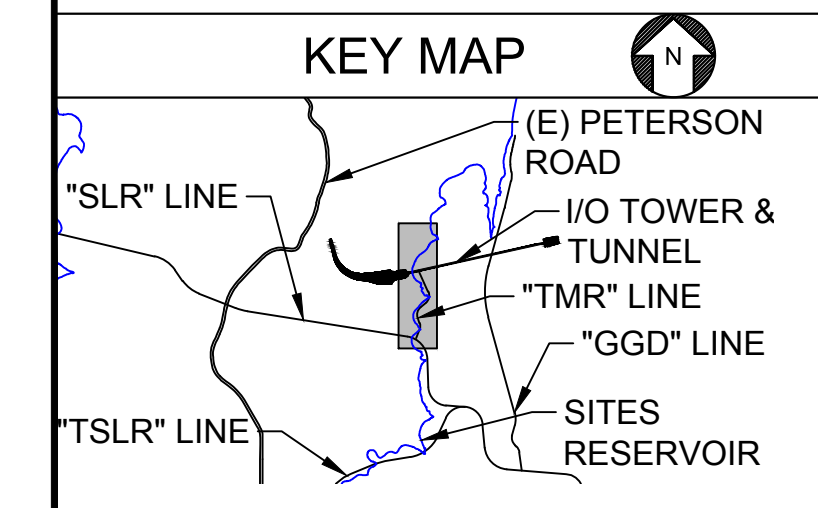
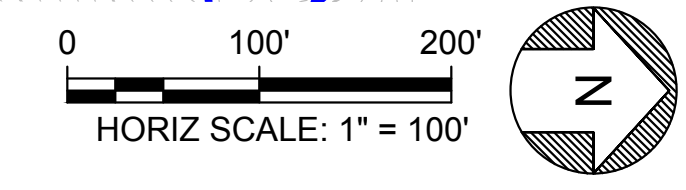
30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

- FOR EXISTING ELEMENTS TO BE REMOVED, ABANDONED OR RESET, REFER TO THE DEMOLITION SHEETS. THESE WILL BE DEVELOPED IN A LATER PHASE.
- FOR I/O TOWER AND TUNNEL AND ALIGNMENT, SEE CIVIL SHEETS.
- 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 INVESTAGTIONS NEEDED TO DETERMINE CUT AND FILL SLOPES, AND RETAINING WALL LIMITS. POTENTIAL RETAINING WALL PLACEMENT IS PRELIMINARY.
- ROADWAY DESIGN UPDATES ARE WORK IN PROGRESS AND FURTHER DESIGN COORDINATION IS NEEDED WITH I/O AND TUNNEL TEAM.
- 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.



PLAN
HORIZ SCALE: 1" = 100'



Plot Date: 3/20/2024 10:37 PM File: C:\pwworking\hdr_sites_reservoir\dms01500\STS-1772-R-2101.dwg Saved By: KRKORIANE

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
R. VALDEZ

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

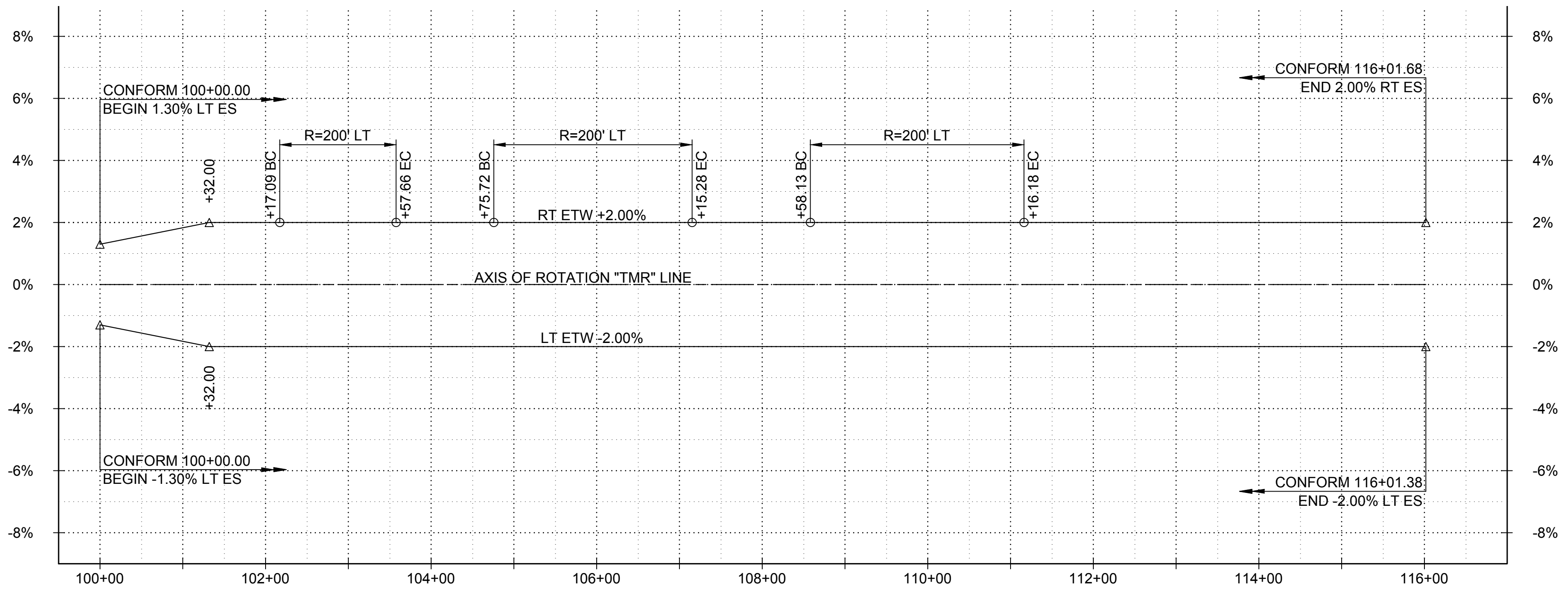
SITES RESERVOIR
ROADWAY
I/O FACILITY MAINTENANCE ACCESS ROAD
PLAN

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

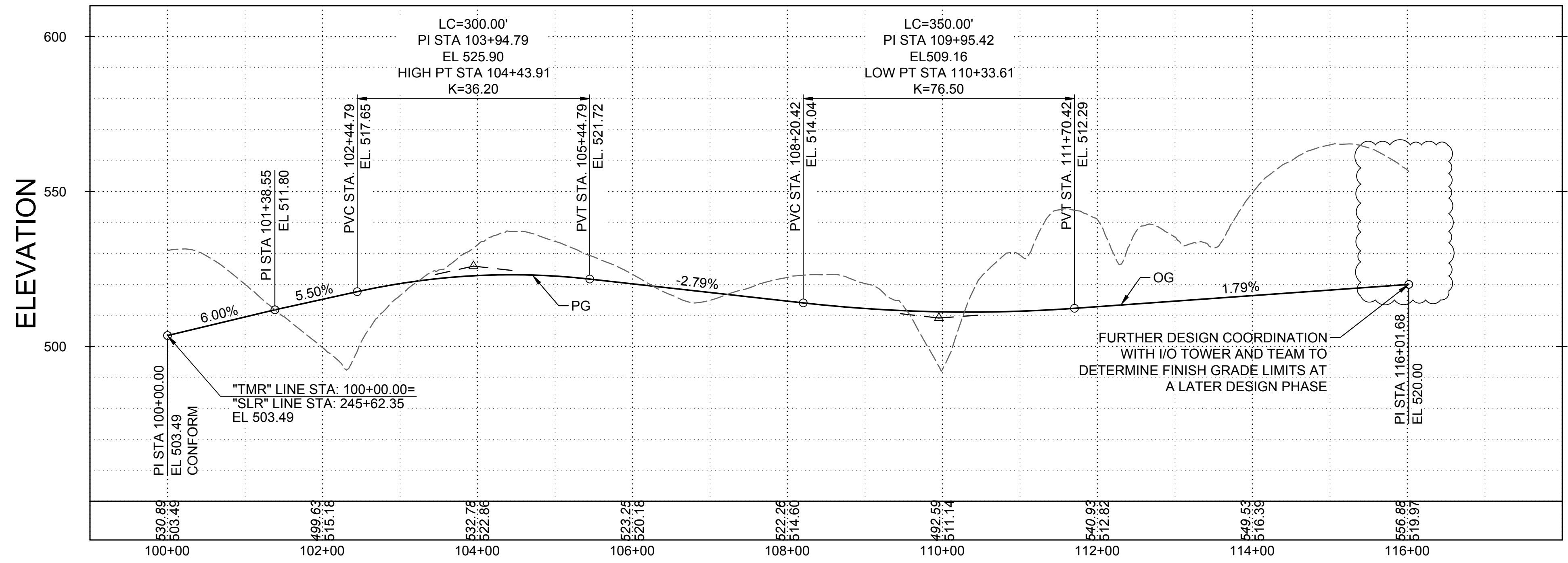
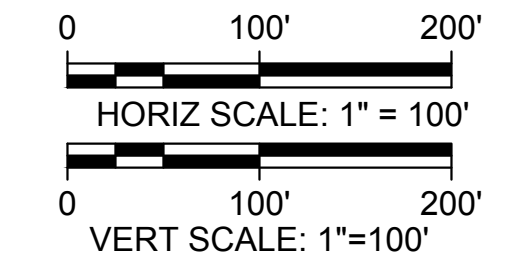
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DRAWING NO.
STS-1772-R-2101
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

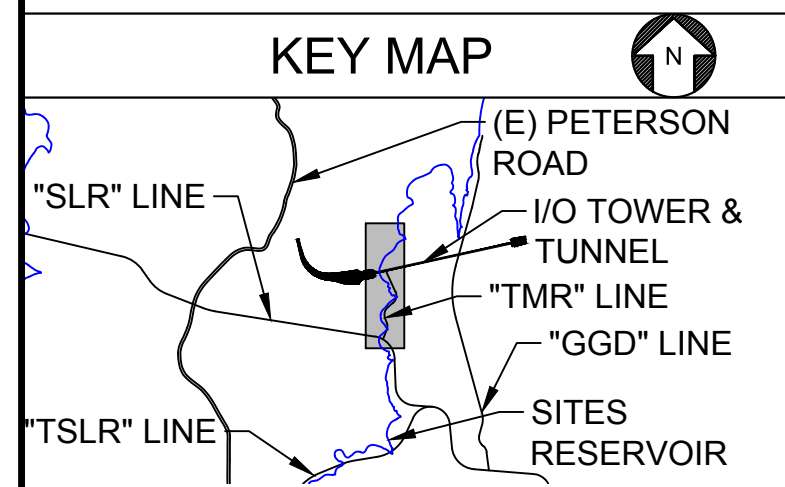


SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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

- GENERAL NOTES**
- PROFILES WILL BE ADJUSTED DURING 60% DESIGN TO OPTIMIZE THE CUT & FILL VOLUMES AND TO ACCOMMODATE ANIMAL CROSSINGS.
 - SUPERELEVATION DESIGN KEY CONSIDERATIONS FOR ROADWAY RUNOFF, DRAINAGE CONVEYANCE INTO THE RESERVOIR, AND CONSTRUCTIBILITY WILL BE FURTHER DEVELOPED AT A LATER DESIGN PHASE.



Plot Date: 3/20/2024 9:58 PM
 Saved By: KRKORIANE
 File: c:\pwworking\hdr_sites_reservoir\dmso1500\STS-1772-R-3101.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
R. VALDEZ
 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
 I/O FACILITY MAINTENANCE ACCESS ROAD
 SUPERELEVATION AND PROFILE

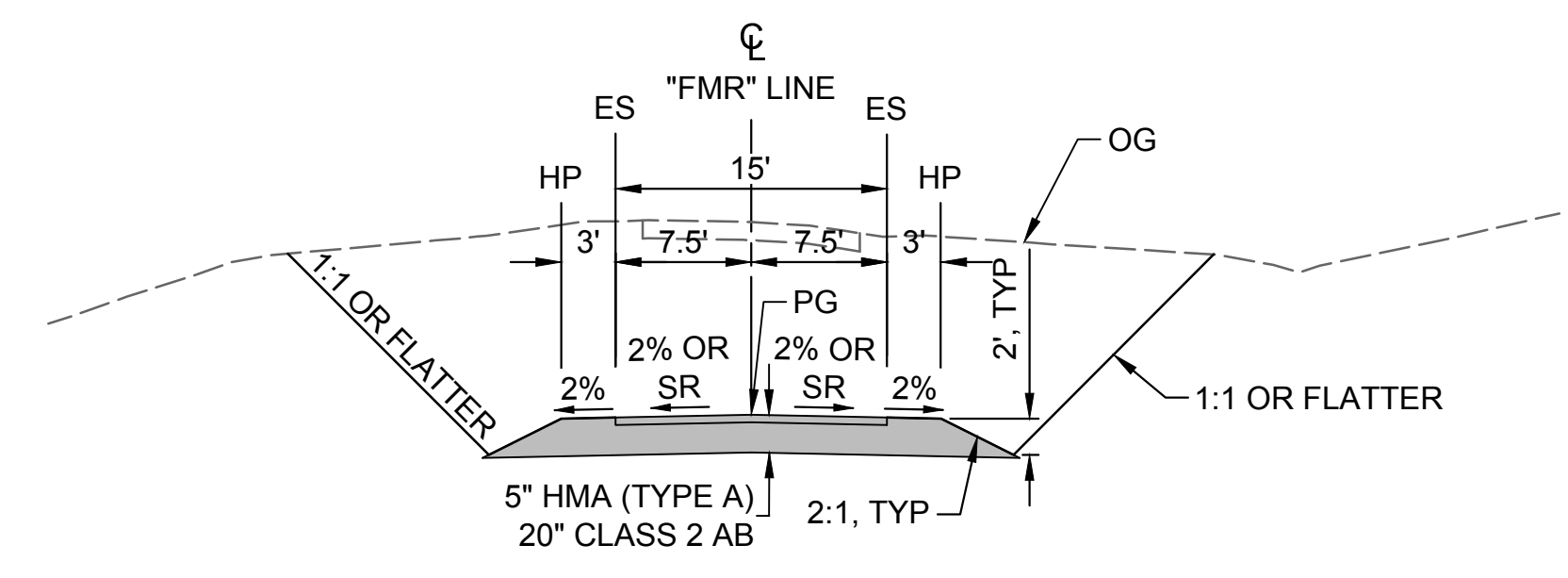
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
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DRAWING NO.
 STS-1772-R-3101
 SHT OF

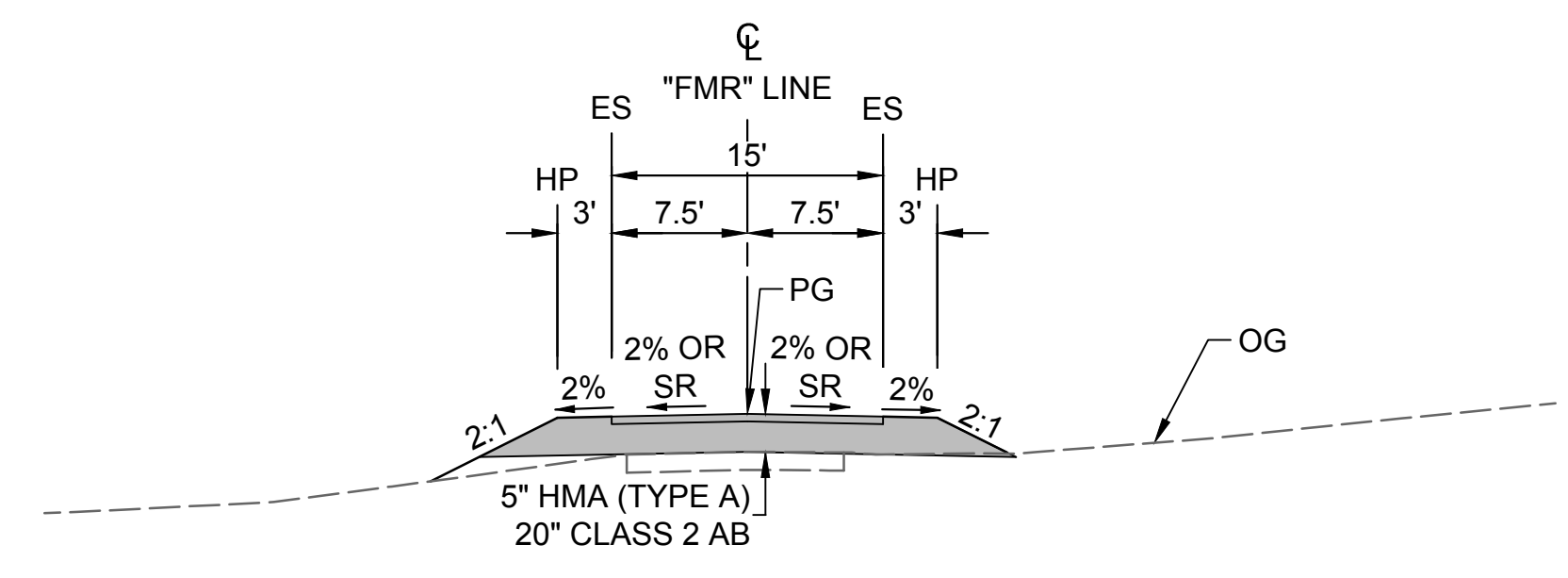
30% SUBMITTAL - NOT FOR CONSTRUCTION

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. SUPERELEVATION RATES ARE SHOWN ON THE SUPERELEVATION DIAGRAMS. REFER TO THE PROFILE AND SUPERELEVATION SHEETS.
3. REFER TO ROADWAY PLANS AND CONSTRUCTION DETAIL FOR INFORMATION NOT SHOWN.
4. PAVEMENT STRUCTURAL SECTION TO BE CONSTRUCTED ON COMPACTED NATIVE MATERIAL.
5. GEOTECHNICAL INFORMATION AND FIELD INVESTAGIONS NEEDED TO DETERMINE CUT AND FILL SLOPES, AND RETAINING WALL LIMITS. POTENTIAL RETAINING WALL PLACEMENT IS PRELIMINARY, SEE LAYOUT PLANS FOR APPROXIMATE LIMITS.
6. PAVEMENT DELINEATION SHOWN IS FINAL STRIPING.



FROM	TO
101+75.89	109+25.00



FROM	TO
109+25.00	138+66.18

"FMR" LINE
HORIZ SCALE: NO SCALE

Plot Date: 3/22/2024 12:27 PM File: C:\pwworking\hdr_sites_reservoir\dms01524\STS-1774-R-1101.dwg Saved By: VALDEZR

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

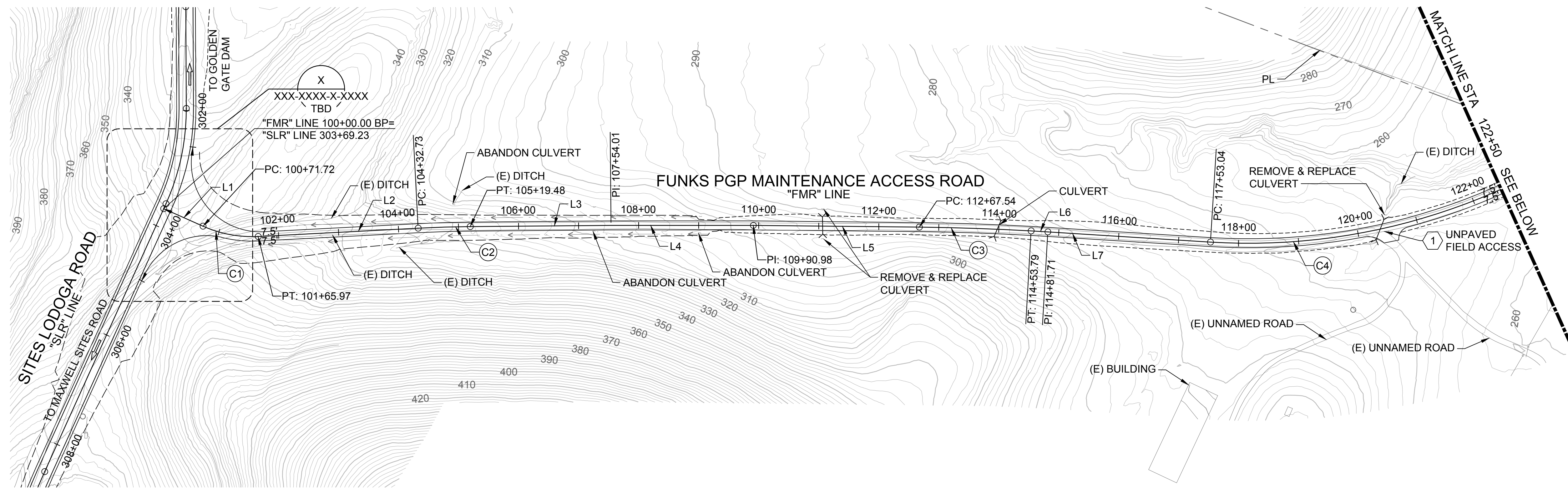
SITES RESERVOIR
ROADWAY
FUNKS PGP MAINTENANCE ACCESS ROAD
TYPICAL SECTIONS

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

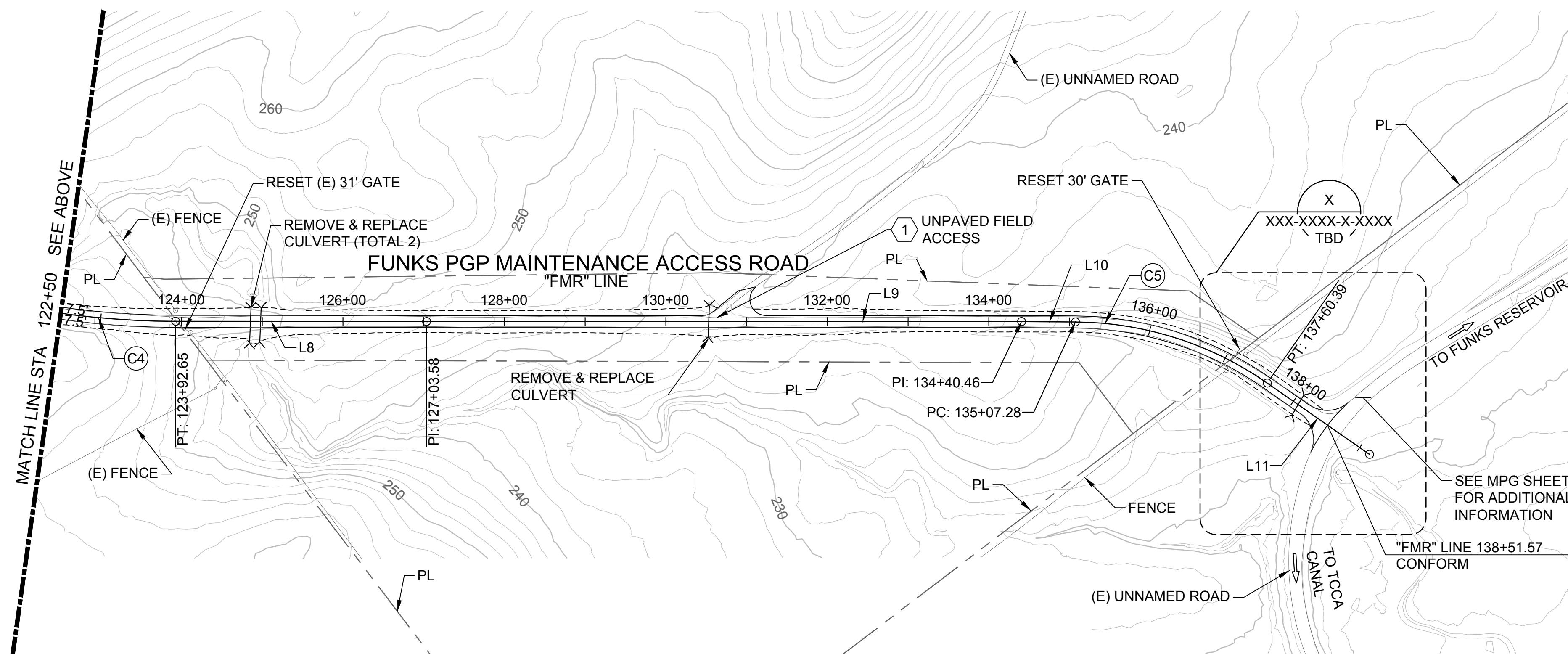
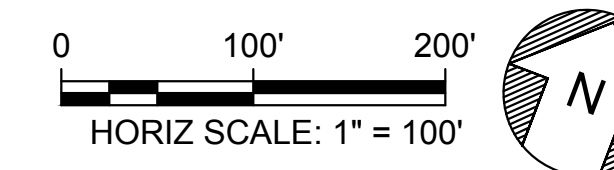
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DRAWING NO.
STS-1774-R-1101
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN
HORIZ SCALE: 1" = 100'



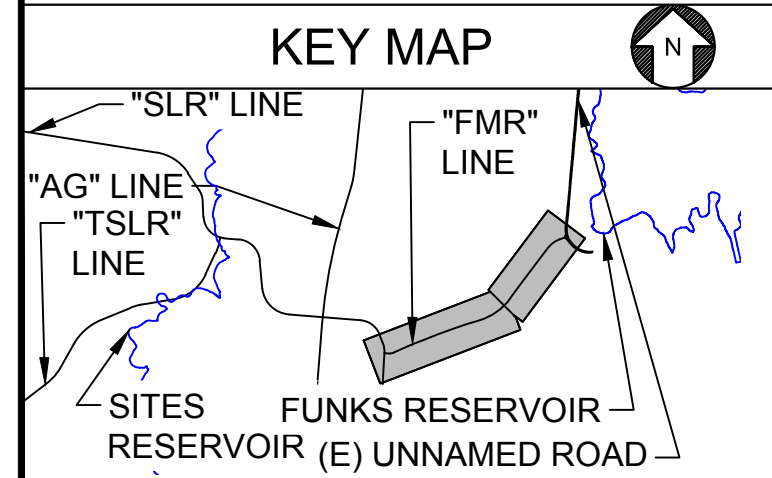
PLAN
HORIZ SCALE: 1" = 100'

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 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.

SHEET KEY NOTES

- RECONSTRUCT DRIVEWAY OR FIELD ACCESS AND MAINTAIN ACCESS DURING CONSTRUCTION.



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Saved By: VALDEZ
File: c:\pwworking\hdr_sites_reservoir\dms01524\STS-1774-R-2102.dwg

DESIGNED BY:	R. VALDEZ
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
FUNKS PGP MAINTENANCE ACCESS ROAD
PLAN

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

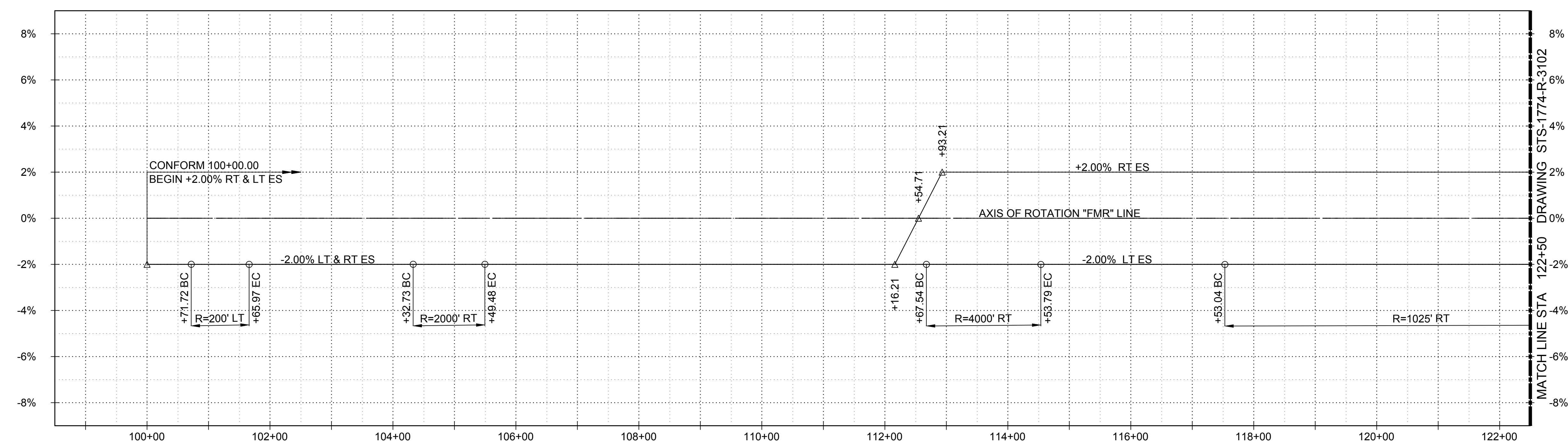
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DRAWING NO.
STS-1774-R-2102
SHT OF

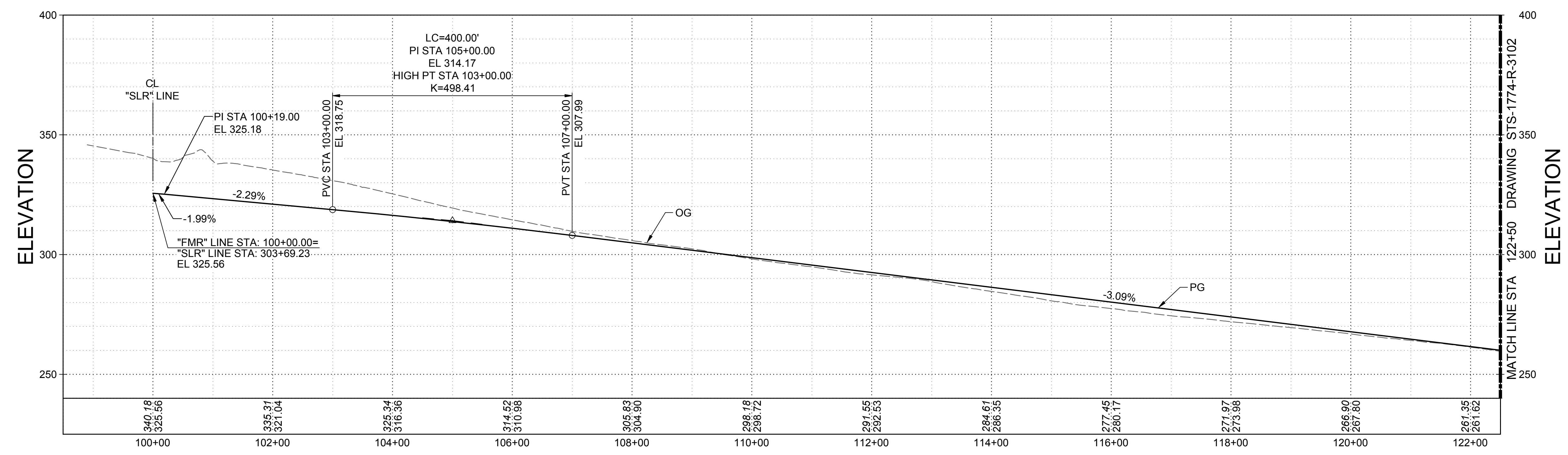
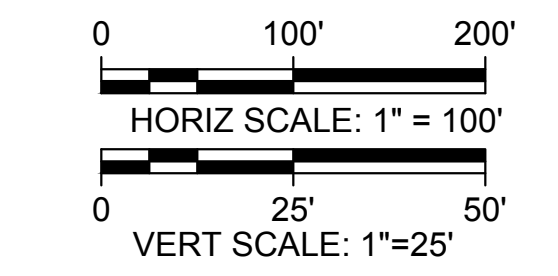
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GENERAL NOTES

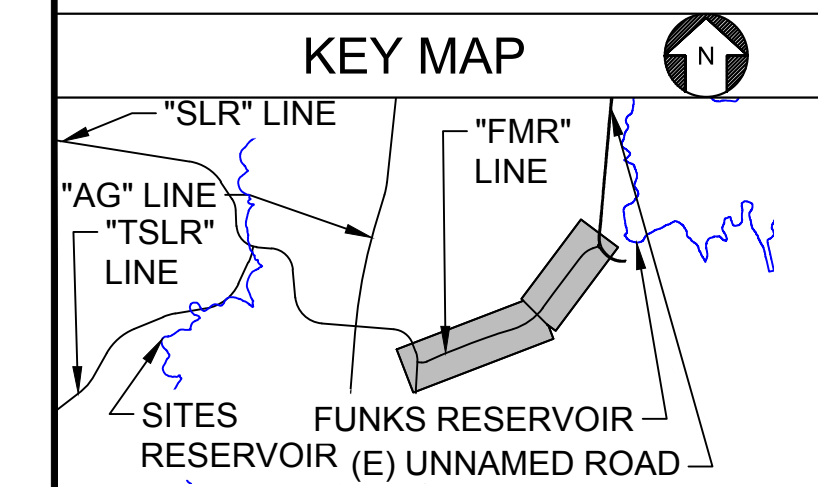
1. PROFILES WILL BE ADJUSTED DURING 60% DESIGN TO OPTIMIZE THE CUT & FILL VOLUMES AND TO ACCOMMODATE ANIMAL CROSSINGS.
2. FINAL LIMITS OF BRIDGE AND FILL PRISM TO BE DETERMINED BASED ON GEOTECHNICAL FINDINGS AND RECOMMENDATIONS.
3. SUPERELEVATION DESIGN KEY CONSIDERATIONS FOR ROADWAY RUNOFF, DRAINAGE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



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/20/2024 3:19 PM
Saved By: VALDEZ
File: c:\pwworking\hdr_sites_reservoir\dms01524\STS-1774-R-3101.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



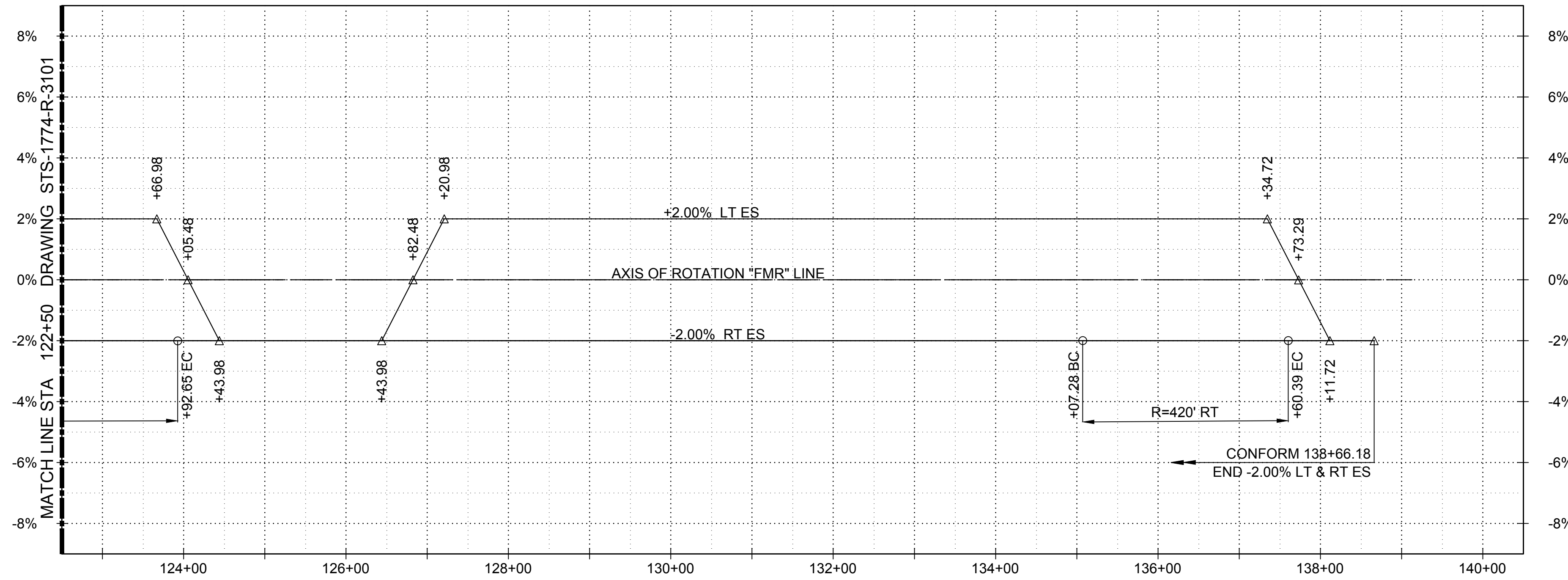
REGISTERED PROFESSIONAL ENGINEER
V. DOCTORO
C78231
CALIFORNIA



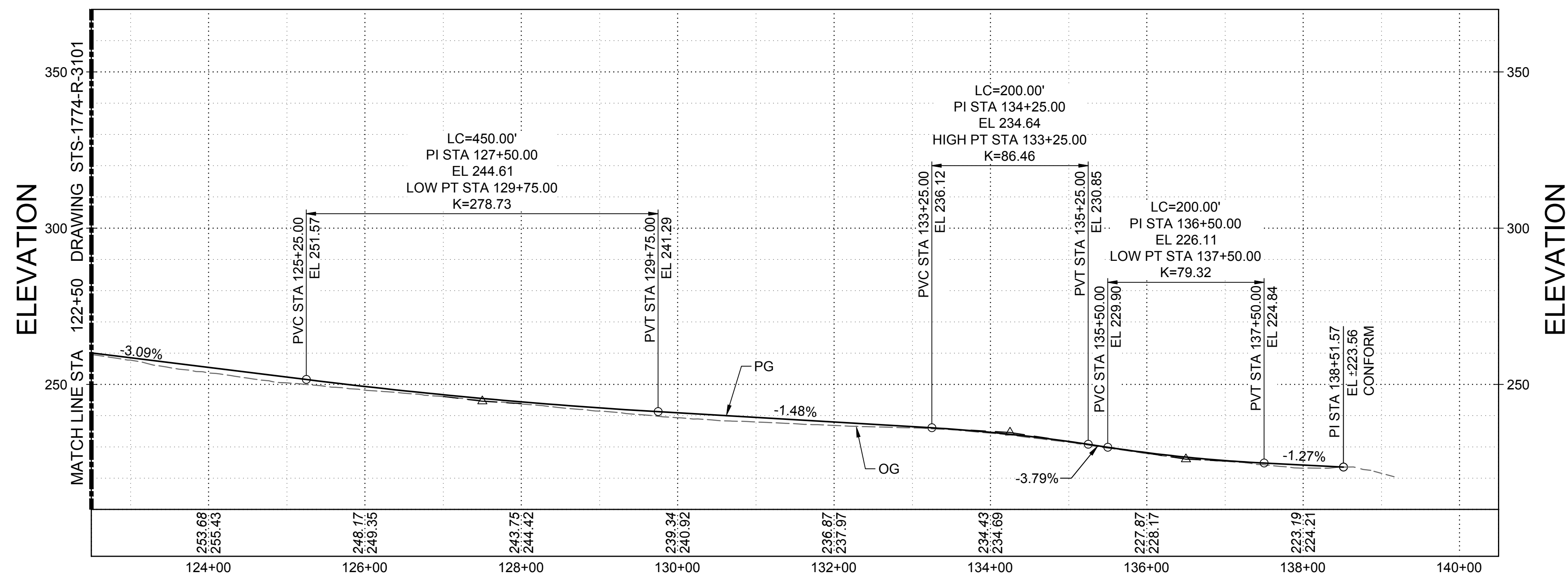
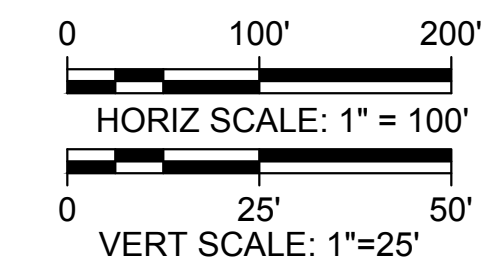
SITES RESERVOIR
SITES RESERVOIR ROADWAY
FUNKS PGP MAINTENANCE ACCESS ROAD
SUPERELEVATION AND PROFILE

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
DRAWING NO.
STS-1774-R-3101
SHT OF

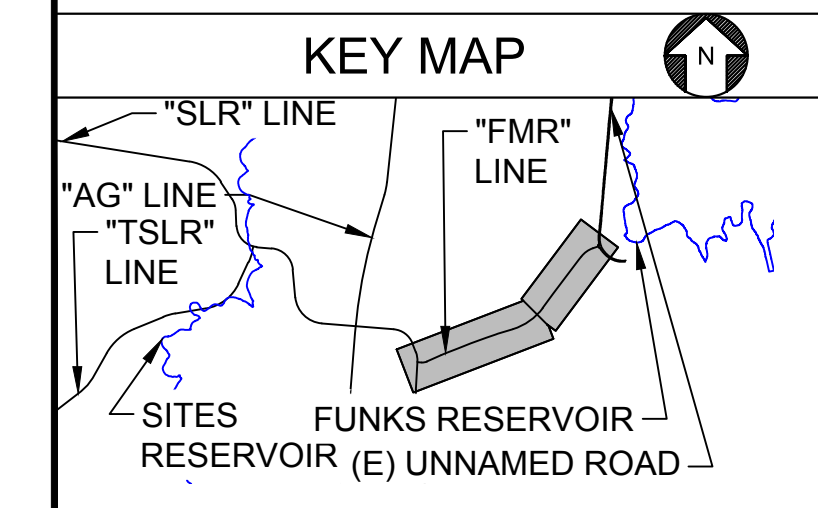
30% SUBMITTAL - NOT FOR CONSTRUCTION



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/20/2024 3:19 PM File: c:\pwworking\hdr_sites_reservoir\tdms01524\STS-1774-R-3102.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. DOCTORO
C78231
CALIFORNIA



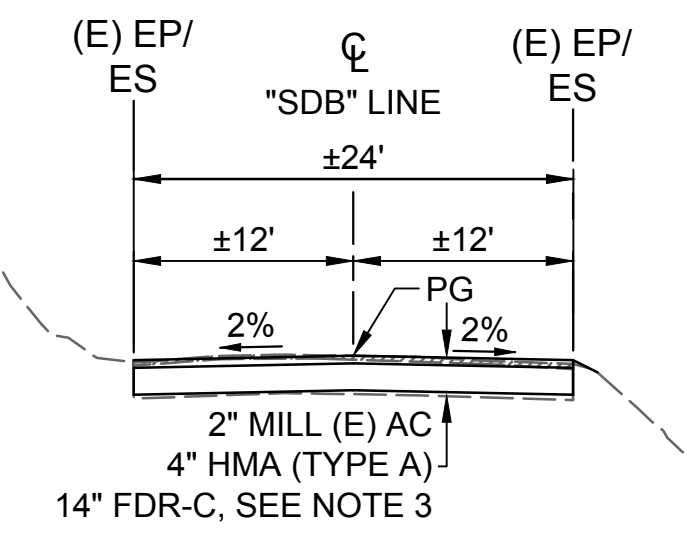
SITES RESERVOIR
SITES RESERVOIR ROADWAY
FUNKS PGP MAINTENANCE ACCESS ROAD
SUPERELEVATION AND PROFILE

VERIFY SCALES
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DRAWING NO.
STS-1774-R-3102
SHT OF

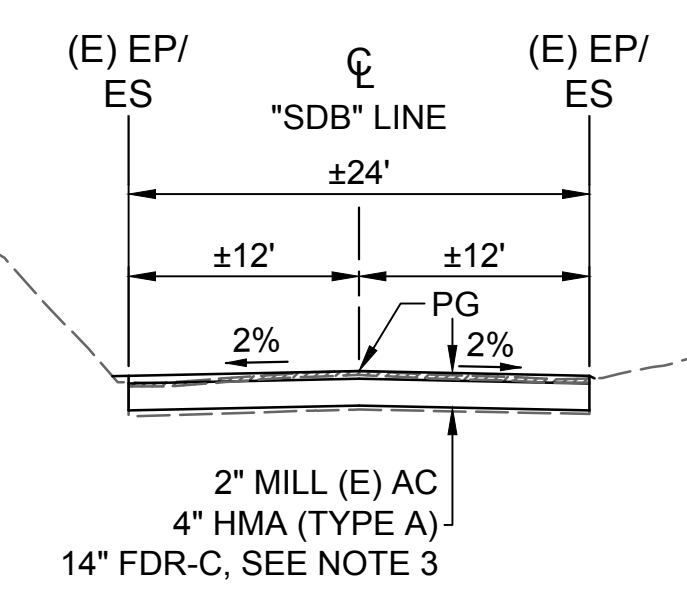
30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

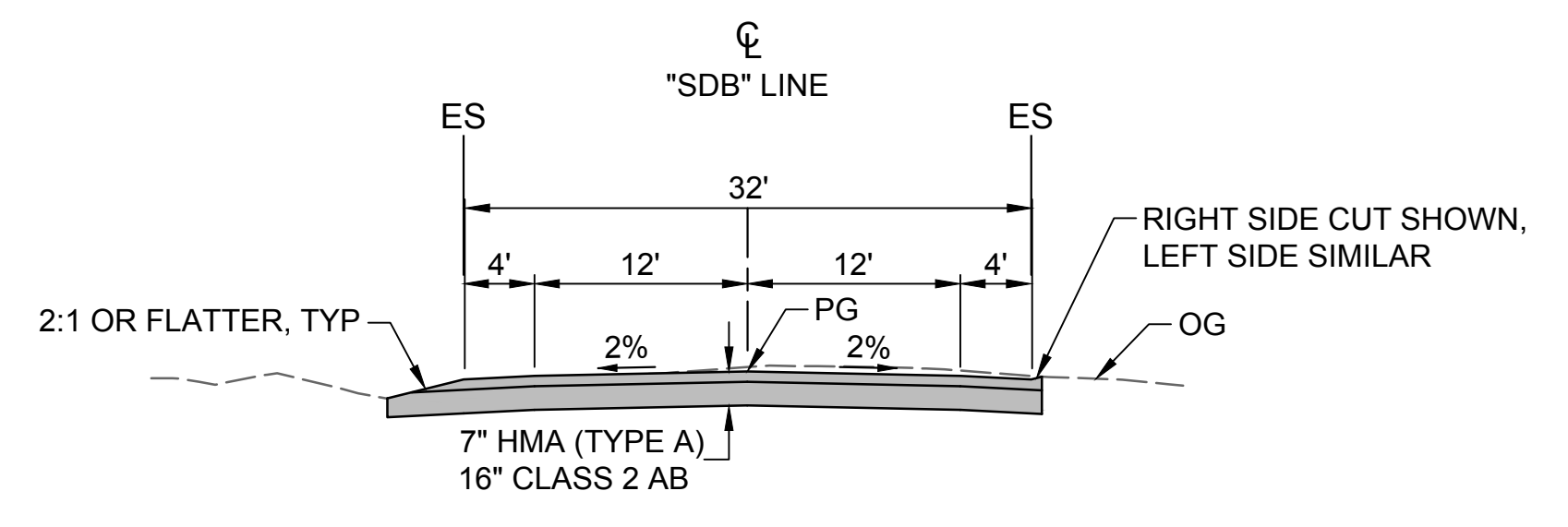
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE CALTRANS STANDARD SPECIFICATIONS. PAVEMENT STRUCTURAL SECTIONS ARE PENDING GEOTECHNICAL INVESTIGATIONS.
2. FULL DEPTH RECLAMATION AND MIX DESIGN TO BE COMPLETED AT A LATER DATE. PAVEMENT SECTIONS ARE BASED ON GEOTECHNICAL RECOMMENDATIONS.
3. REFER TO ROADWAY PLANS AND CONSTRUCTION DETAIL FOR 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
106+00.00	112+00.00



FROM	TO
112+00.00	116+58.79
150+74.82	154+75.34



FROM	TO
154+75.34	158+20.00

"SDB" LINE
HORIZ SCALE: NO SCALE

Plot Date: 3/22/2024 12:32 PM Saved By: JUSTIN CHANZ File: C:\pwworking\hdr_sites_reservoir\dms01650\STS-1777-R-1101.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



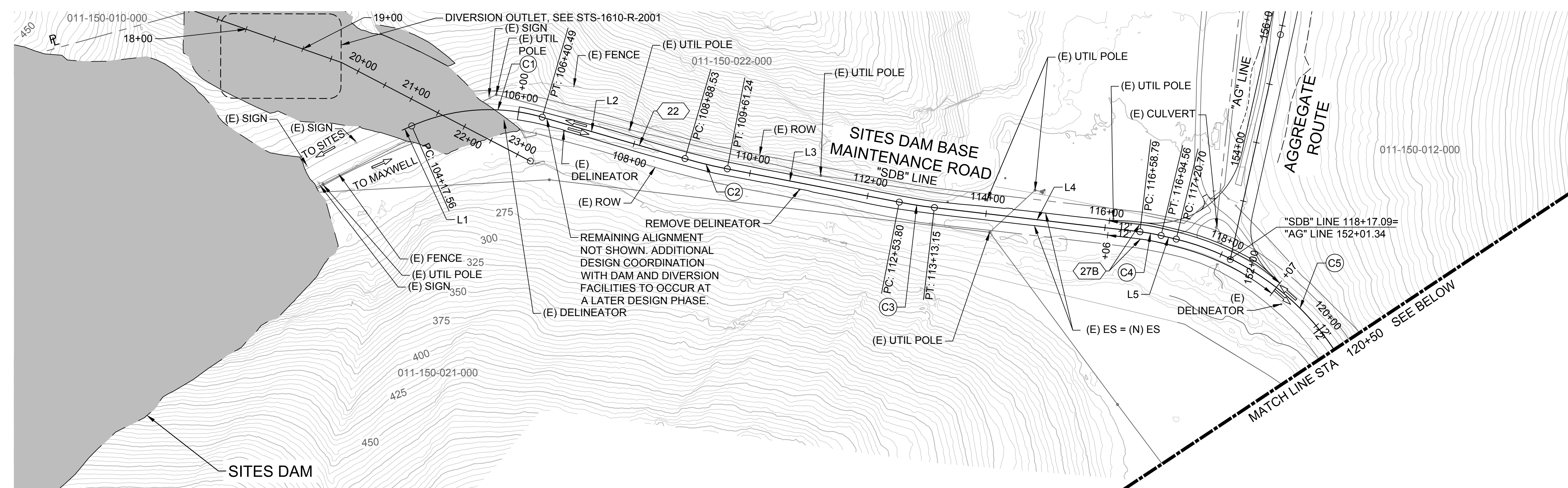
REGISTERED PROFESSIONAL ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



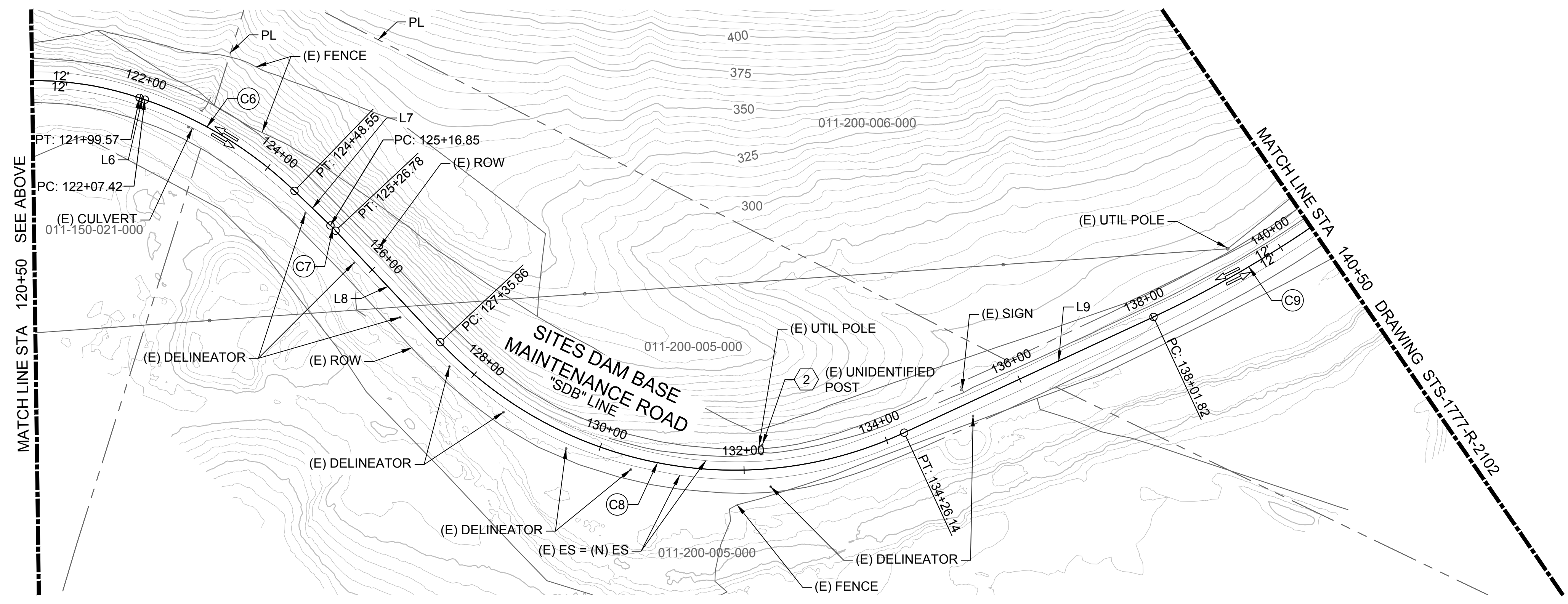
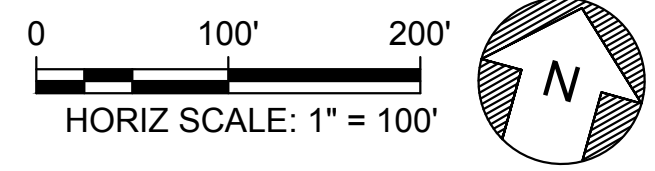
SITES RESERVOIR
 SITES RESERVOIR ROADWAY
 SITES DAM BASE MAINTENANCE ACCESS ROAD
 TYPICAL SECTIONS

VERIFY SCALES	
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.	
0 1'	
DRAWING NO.	STS-1777-R-1101
SHT	OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN
HORIZ SCALE: 1" = 100'



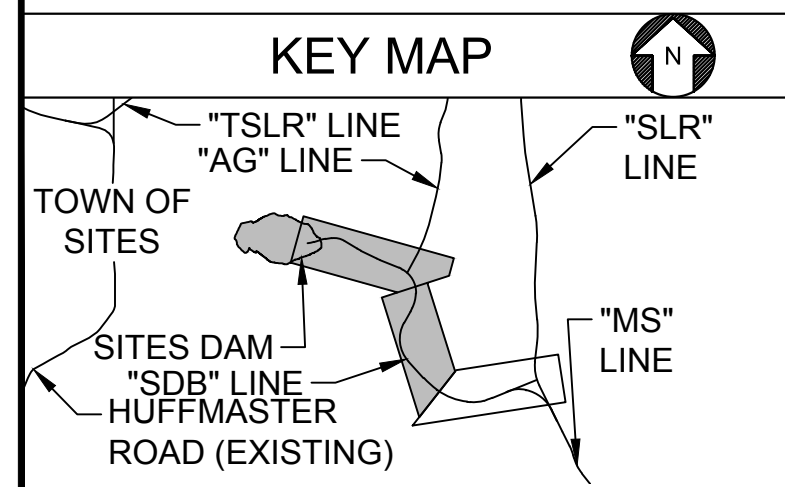
PLAN
HORIZ SCALE: 1" = 100'

GENERAL NOTES

- FOR EXISTING ELEMENTS TO BE REMOVED, ABANDONED OR RESET, REFER TO THE DEMOLITION SHEETS. THESE WILL BE DEVELOPED IN 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.
- HYDROLOGY AND HYDRAULICS ANALYSIS WILL BE PERFORMED IN A LATER DESIGN PHASE TO APPROPRIATELY SIZE CULVERTS AND DITCHES 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.
- 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.



File: c:\pwworking\hdr_sites_reservoir\dms01650\STS-1777-R-2101.dwg
 Plot Date: 3/21/2024 9:15 AM
 Saved By: JUSTIN.CHANZ

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



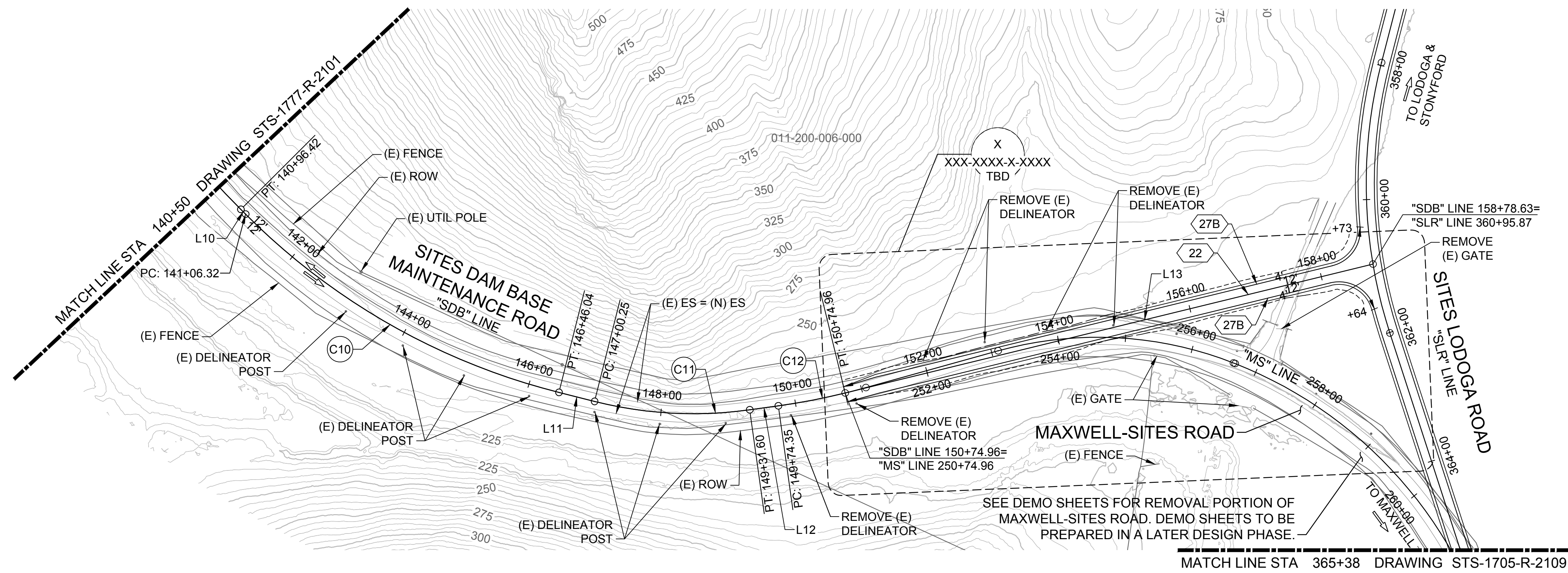
REGISTERED
 PROFESSIONAL
 ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



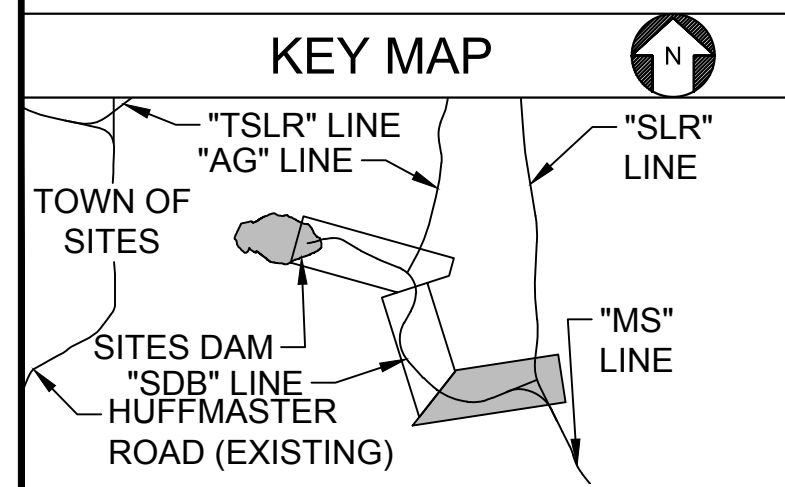
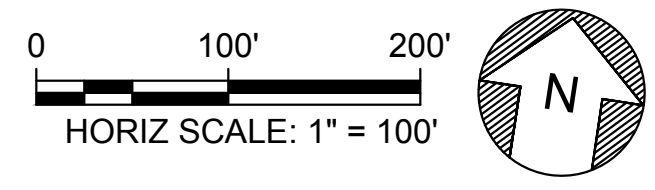
SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 SITES DAM BASE MAINTENANCE ACCESS ROAD
 PLAN

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO.	STS-1777-R-2101
SHT	OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN
HORIZ SCALE: 1" = 100'



Plot Date: 3/21/2024 9:20 AM
 Saved By: JUSTIN CHANZ
 File: C:\pwworking\hdr_sites_reservoir\dms01650\STS-1777-R-2102.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: J. CORONEL
 DRAWN BY: J. CORONEL
 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 DAM BASE MAINTENANCE ACCESS ROAD
 PLAN

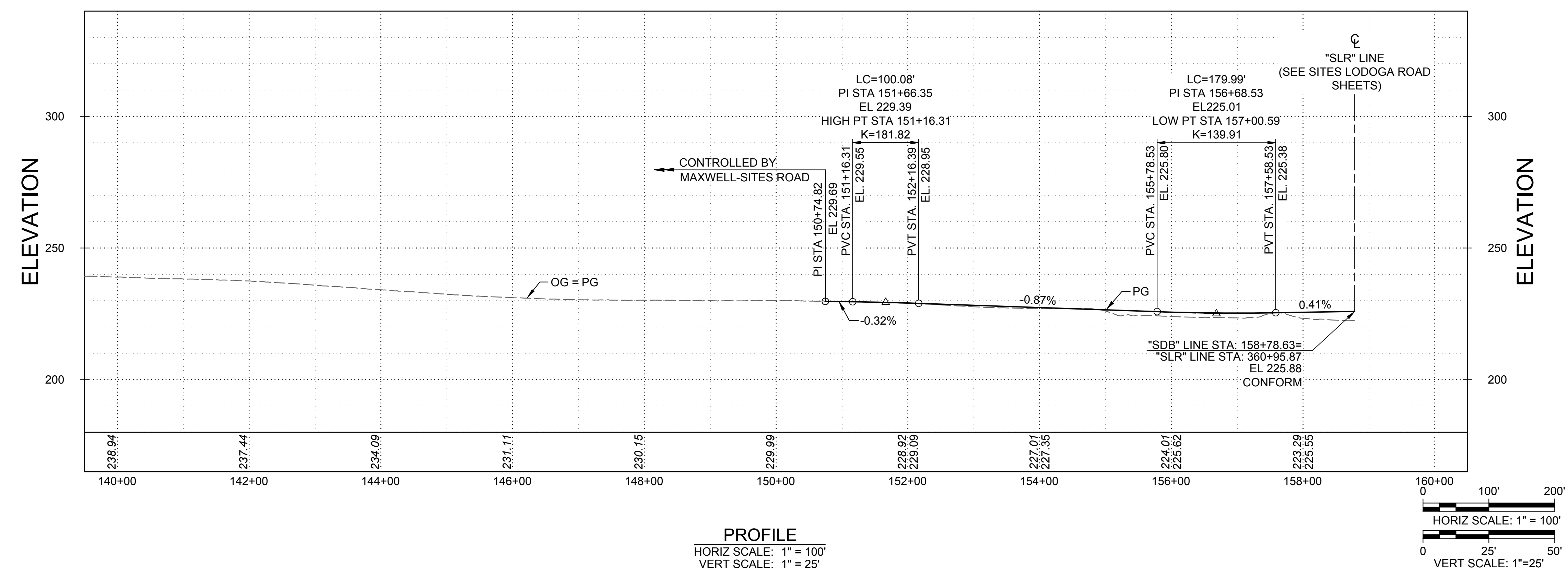
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
 0 1"

DRAWING NO.
 STS-1777-R-2102
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

1. PROFILES WILL BE ADJUSTED DURING 60% DESIGN TO OPTIMIZE THE CUT & FILL VOLUMES AND TO ACCOMMODATE ANIMAL CROSSINGS.



Plot Date: 3/21/2024 9:17 AM
 Saved By: JUSTIN, CHANZ
 File: c:\pwworking\hdr_sites_reservoir\tdms01650\STS-1777-R-3101.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED
 PROFESSIONAL
 ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA

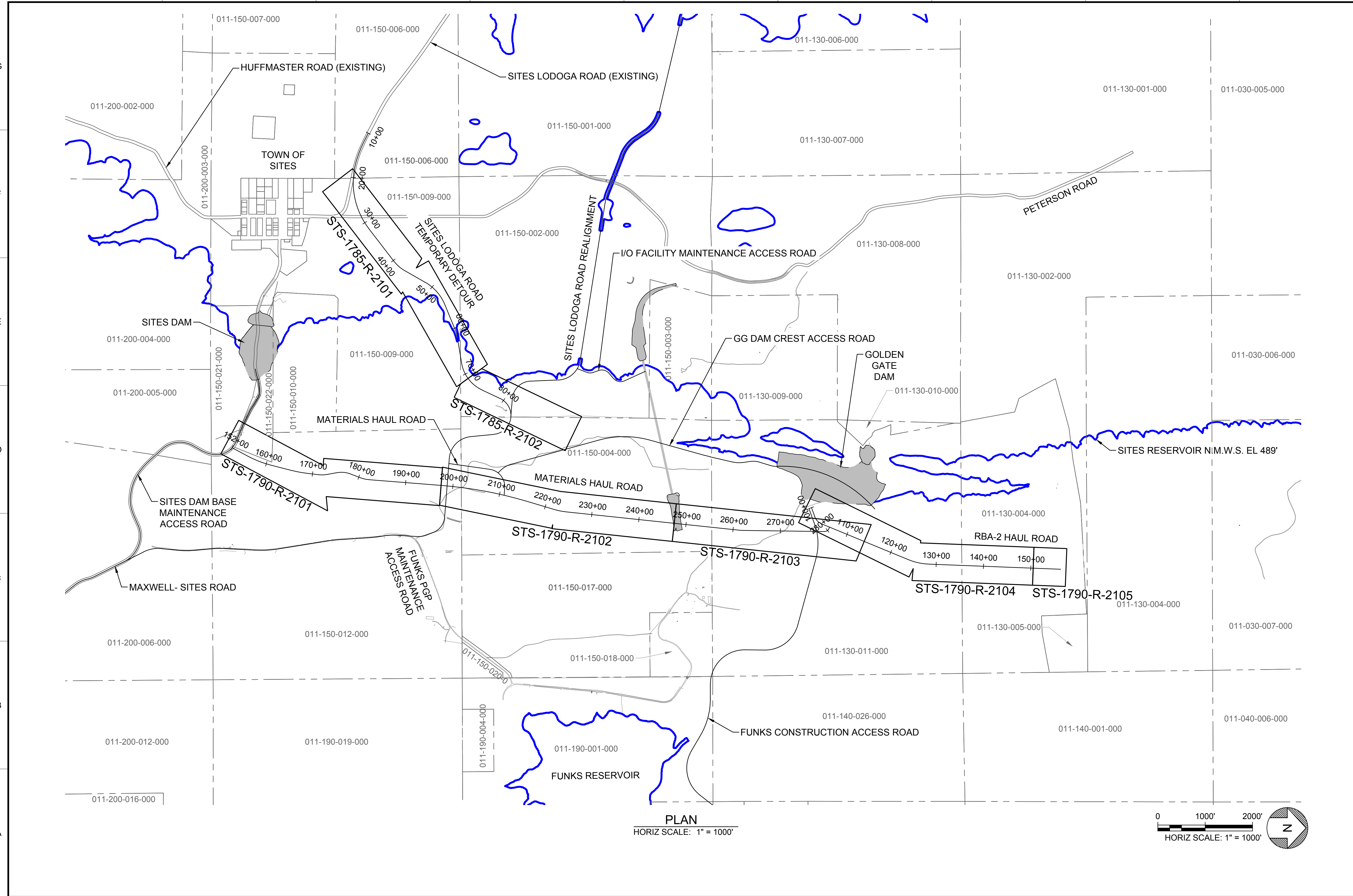


SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 SITES DAM BASE MAINTENANCE ACCESS ROAD
 PROFILE

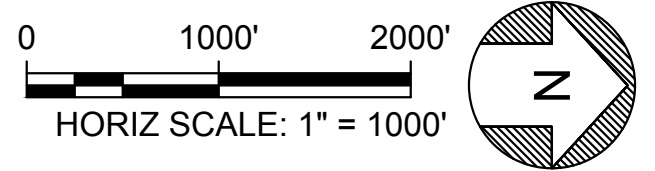
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
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 DRAWING NO. STS-1777-R-3101
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

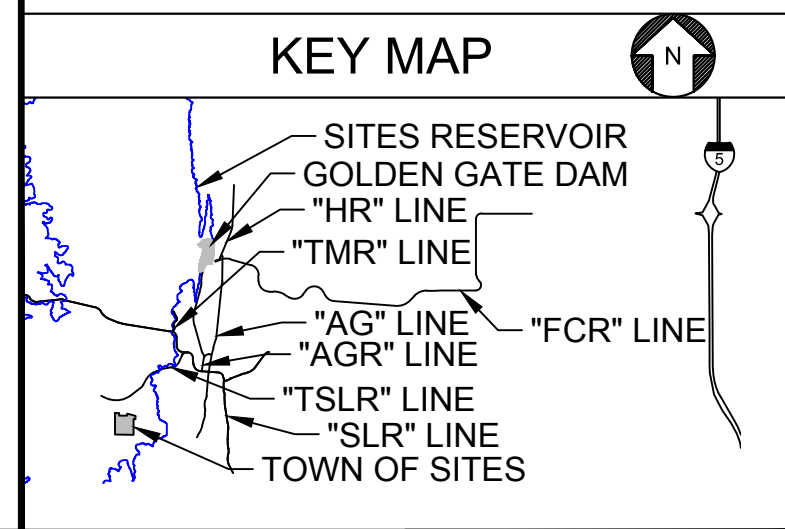
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 Saved By: SMITHET3



PLAN
HORIZ SCALE: 1" = 1000'



- 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.



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



REGISTERED
 PROFESSIONAL
 ENGINEER
 V. DOCTOLERO
 C78231
 CALIFORNIA



SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 TEMPORARY CONSTRUCTION ROADS
 KEY MAP INDEX

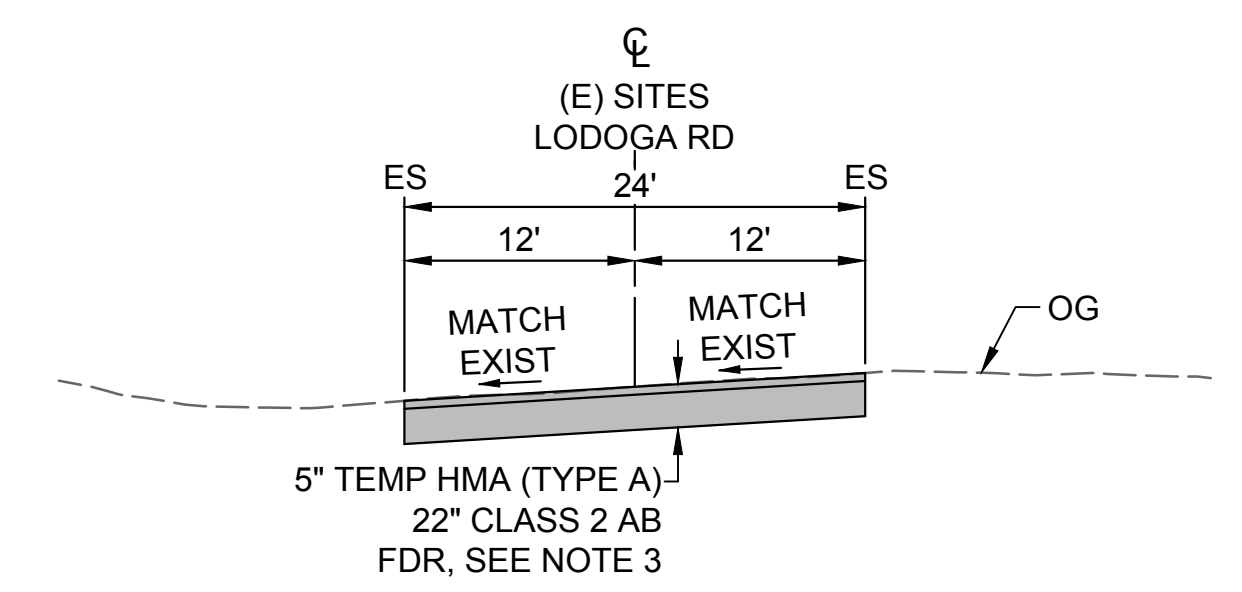
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 STS-1780-R-1100
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30% SUBMITTAL - NOT FOR CONSTRUCTION

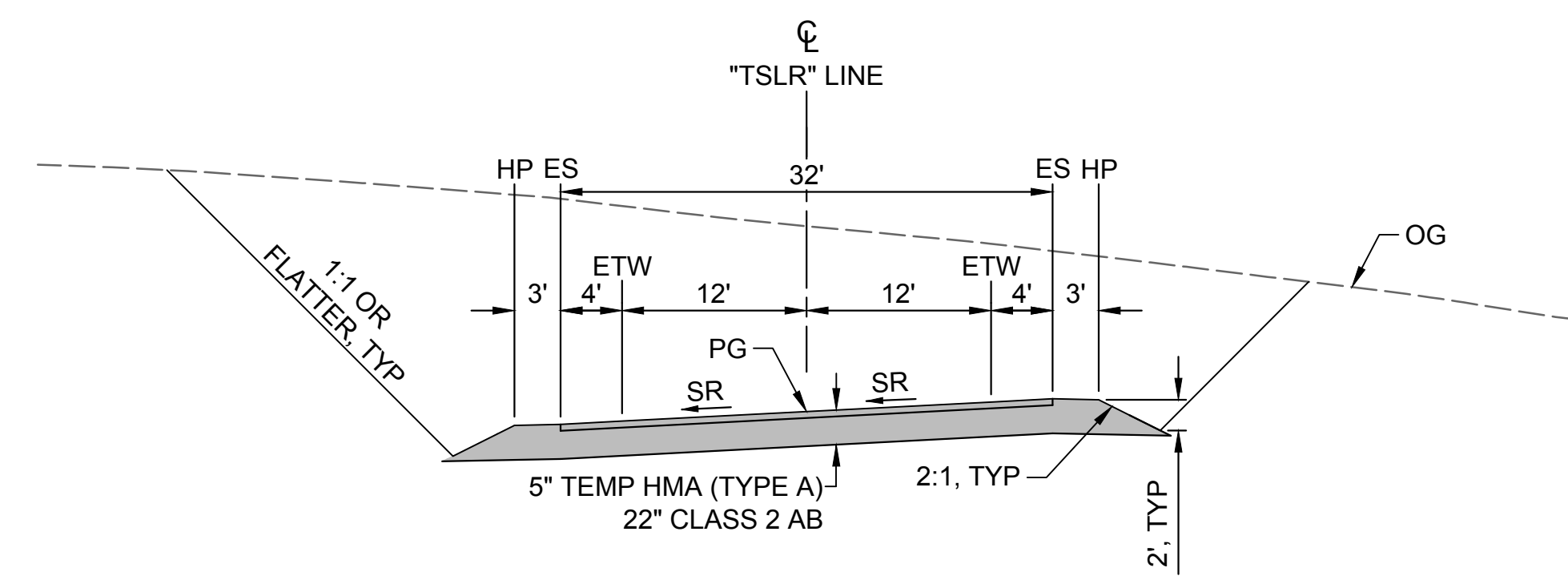
GENERAL NOTES

- DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE CALTRANS STANDARD SPECIFICATIONS. PAVEMENT STRUCTURAL SECTIONS ARE PENDING GEOTECHNICAL INVESTIGATIONS.
- SUPERELEVATIONS 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 ROADWAY PLANS AND CONSTRUCTION DETAIL SHEETS FOR ADDITIONAL 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 LOCATIONS.
- PAVEMENT DELINEATION SHOWN IS FINAL STRIPING.

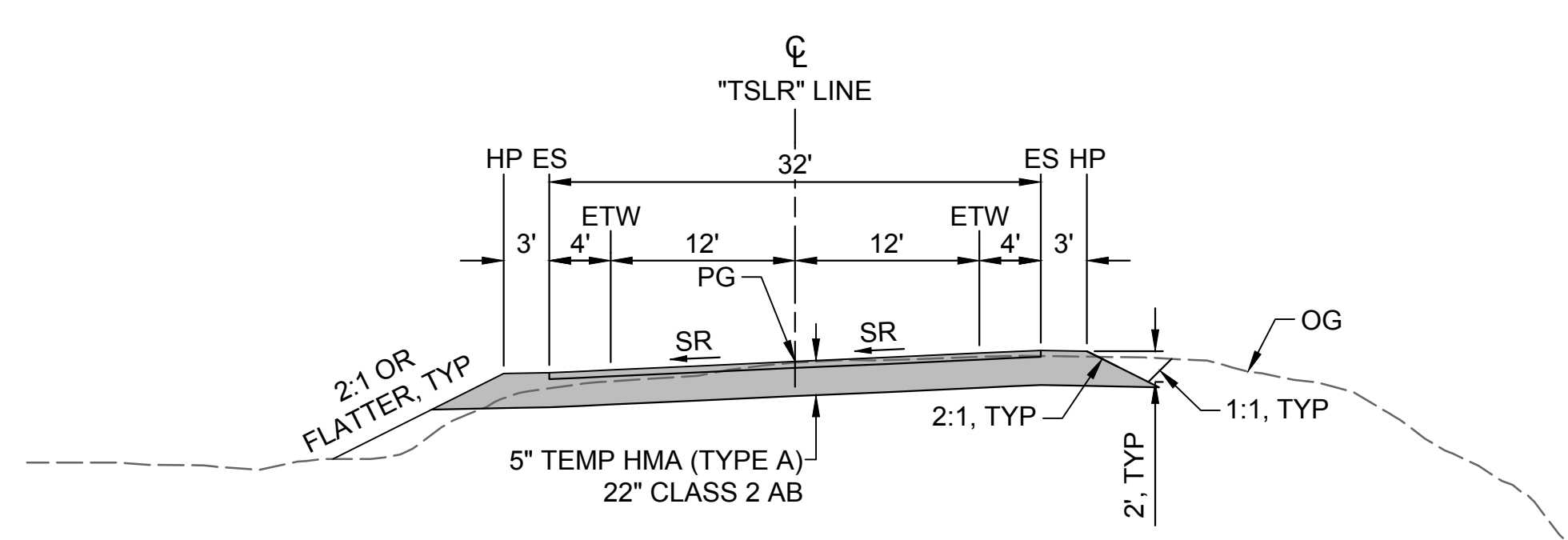
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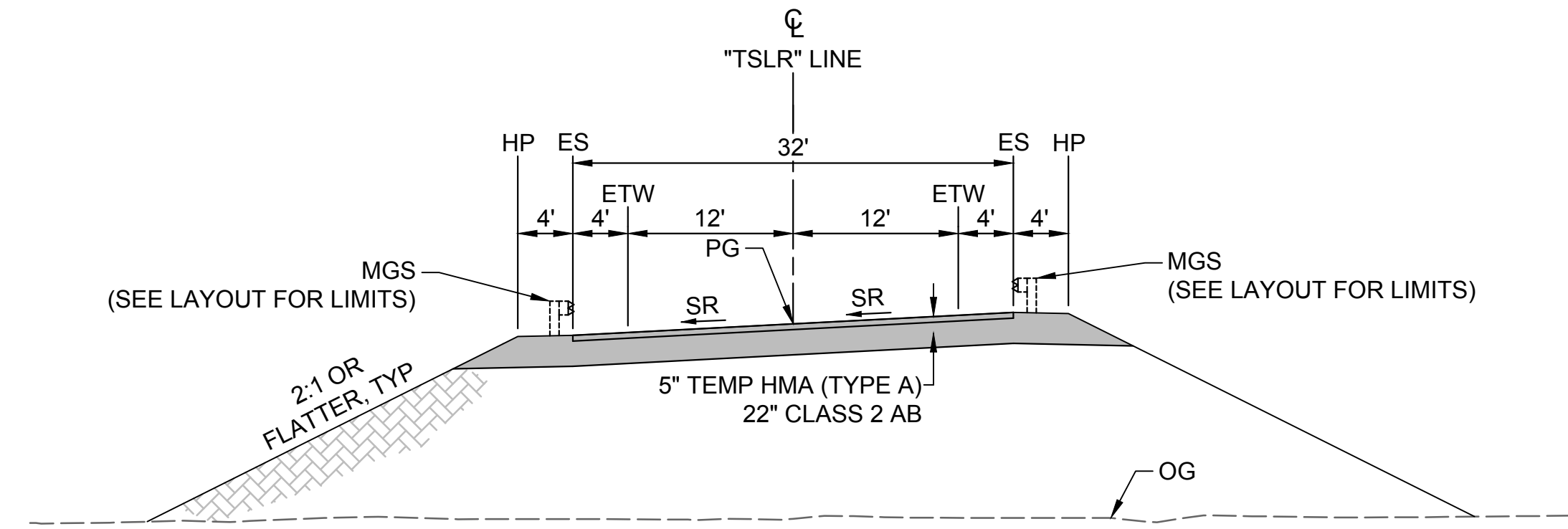
FROM	TO
17+00.00	19+00.00



FROM	TO
22+00.00	24+70.00



FROM	TO
19+00.00	20+90.00
21+40.00	22+00.00



FROM	TO
20+90.00	21+40.00
24+70.00	27+00.00

"TSLR" LINE
HORIZ SCALE: NO SCALE

Plot Date: 3/22/2024 12:30 PM
Saved By: JUSTIN CHANZ
File: C:\pwworking\hdr_sitas_reservoir\dms01552\STS-1785-R-1101.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED PROFESSIONAL ENGINEER
V. DOCTOLERO
C78231
CALIFORNIA

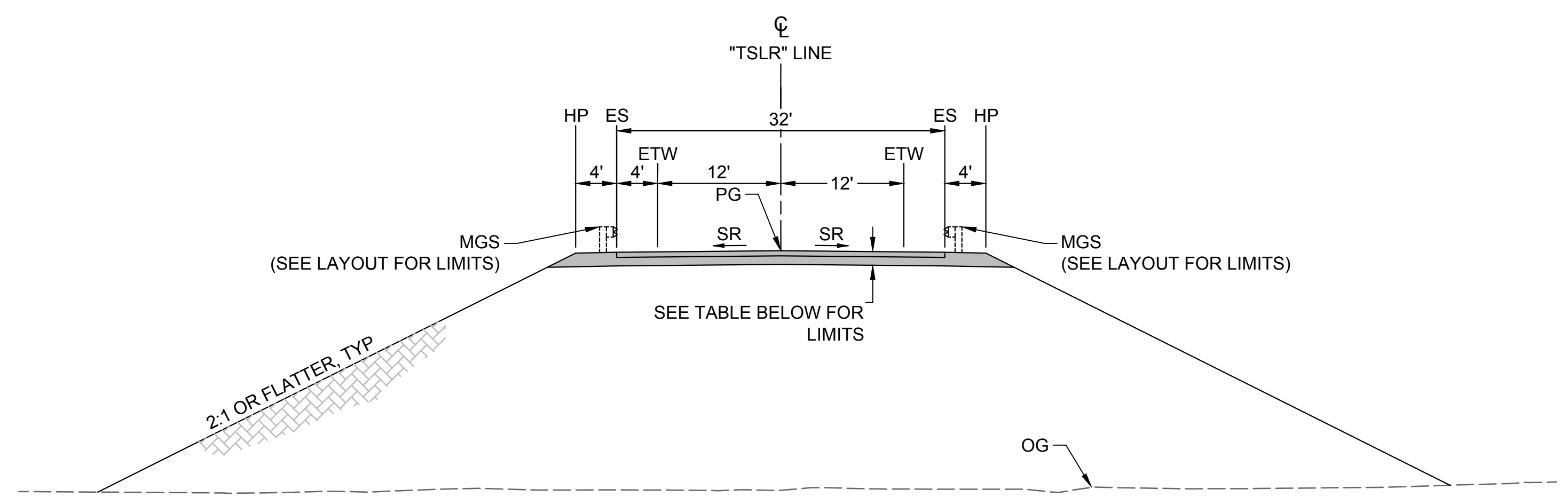


SITES RESERVOIR
SITES RESERVOIR ROADWAY
SITES LODOGA ROAD TEMPORARY DETOUR
TYPICAL SECTIONS

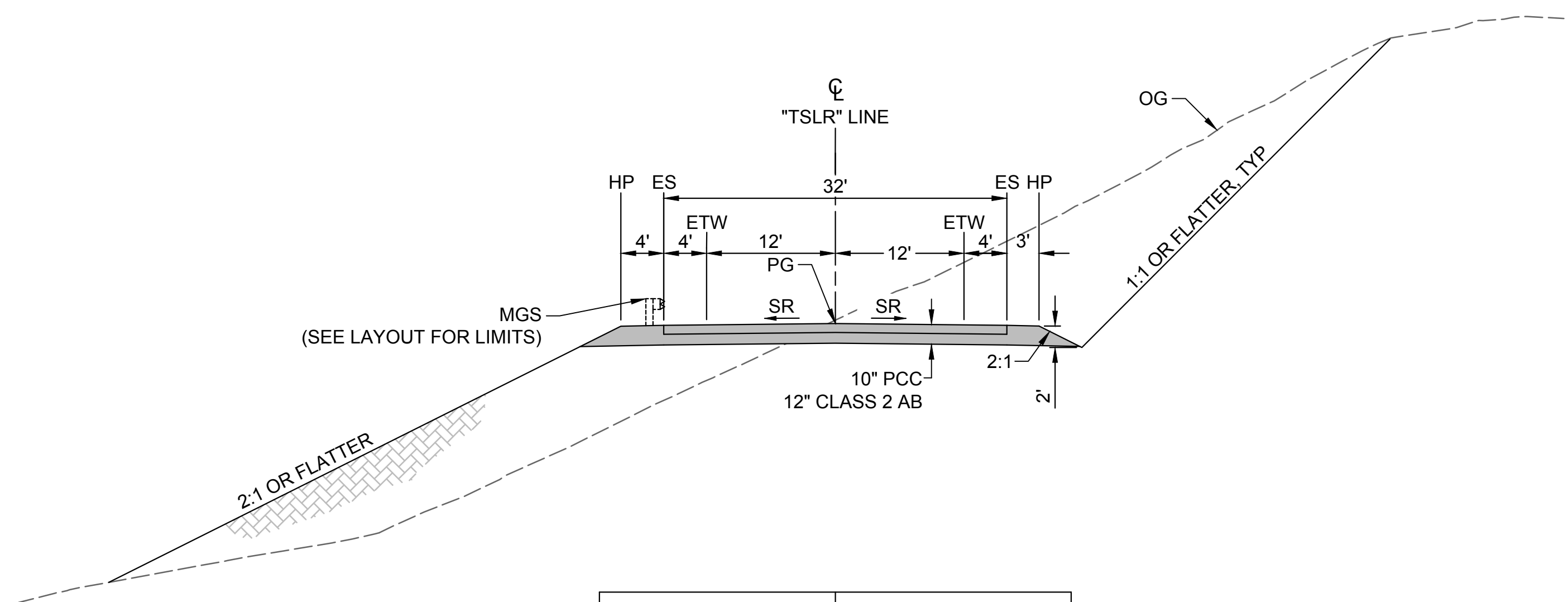
VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
DRAWING NO.
STS-1785-R-1101
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

G
F
E
D
C
B
A



FROM	TO	STRUCTURAL SECTION
27+00.00	49+00.00	10" PCC 12" CLASS 2 AB
56+90.00	57+80.00	
69+60.00	72+00.00	4" HMA (TYPE A) 10" CLASS 2 AB



FROM	TO
54+20.00	55+10.00
56+10.00	56+90.00
57+80.00	59+60.00

"TSLR" LINE
HORIZ SCALE: NO SCALE

Plot Date: 3/22/2024 12:30 PM
Saved By: JUSTIN CHANZ
File: C:\pwworking\hdr_sites_reservoir\dms01552\STS-1785-R-1102.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



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V. DOCTOLERO
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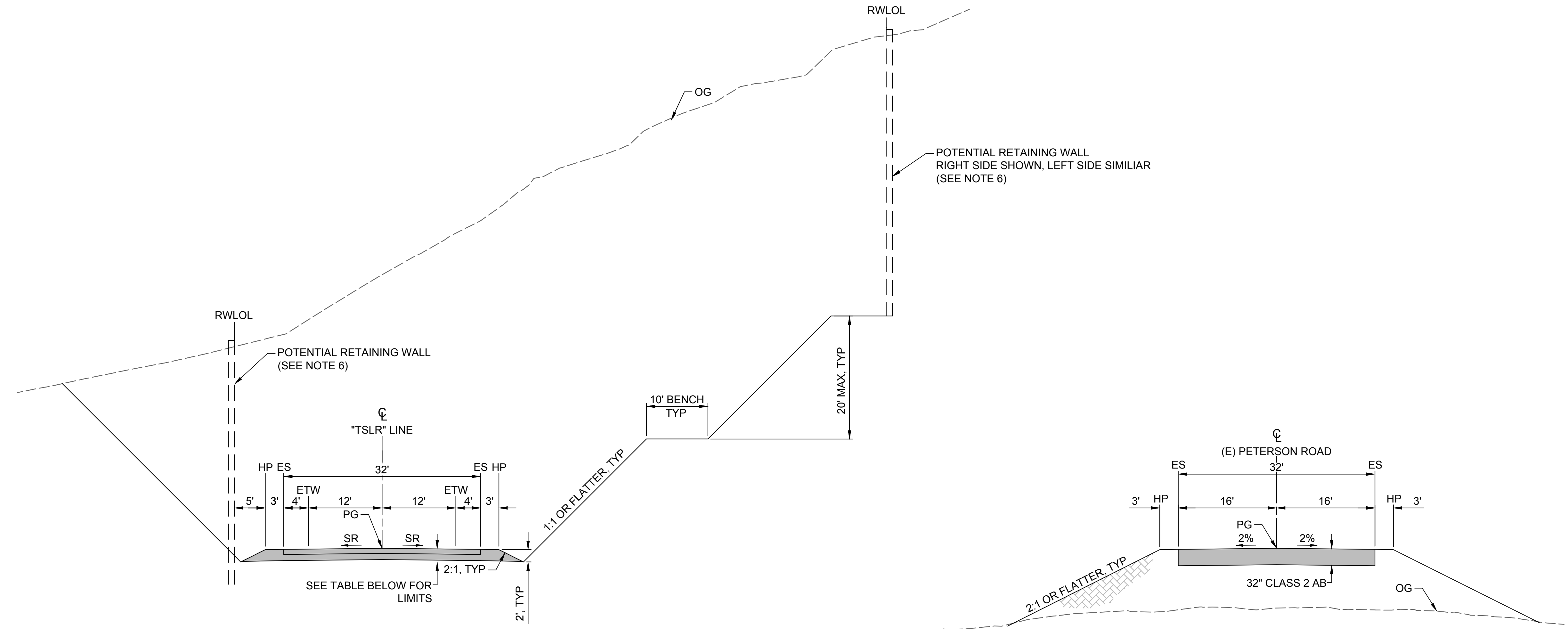
SITES RESERVOIR
SITES RESERVOIR ROADWAY
SITES LODOGA ROAD TEMPORARY DETOUR
TYPICAL SECTIONS

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO. STS-1785-R-1102
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

NOTES

1. FOR FUTURE EMERGENCY & MAINTENANCE BOAT RAMP.
2. REFER TO THE ROADWAY PLANS FOR APPROXIMATE LIMITS FOR PETERSON ROAD.



FROM	TO	STRUCTURAL SECTION
49+00.00	54+20.00	10" PCC 12" CLASS 2 AB (SEE NOTE 1)
55+10.00	56+10.00	
59+60.00	63+85.00	
63+85.00	69+60.00	4" HMA (TYPE A) 10" CLASS 2 AB
72+00.00	77+60.00	
77+60.00	84+00.53	10" TEMP PCC 12" CLASS 2 AB

FROM	TO
SEE NOTE 2	

"TSLR" LINE
HORIZ SCALE: NO SCALE

(E) PETERSON ROAD
HORIZ SCALE: NO SCALE

Plot Date: 3/22/2024 12:30 PM File: C:\pwworking\hdr_sites_reservoir\dms01552\STS-1785-R-1103.dwg Saved By: JUSTIN CHANZ

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



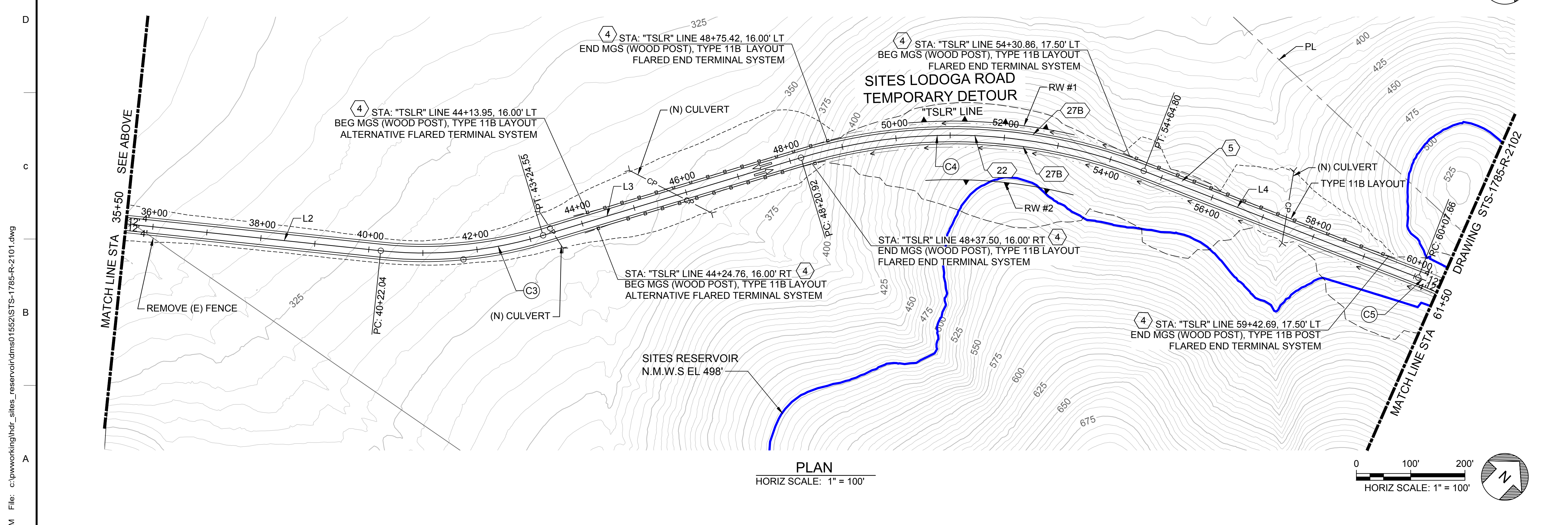
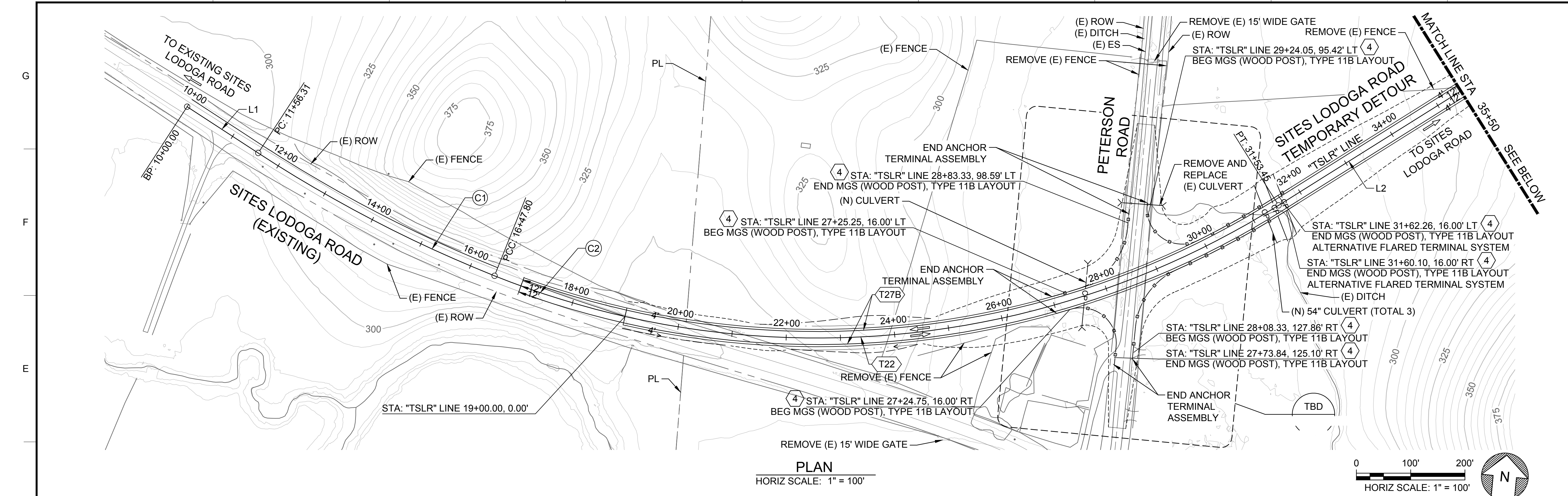
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 C78231
 CALIFORNIA



SITES RESERVOIR
 SITES RESERVOIR ROADWAY
 SITES LODOGA ROAD TEMPORARY DETOUR
 TYPICAL SECTIONS

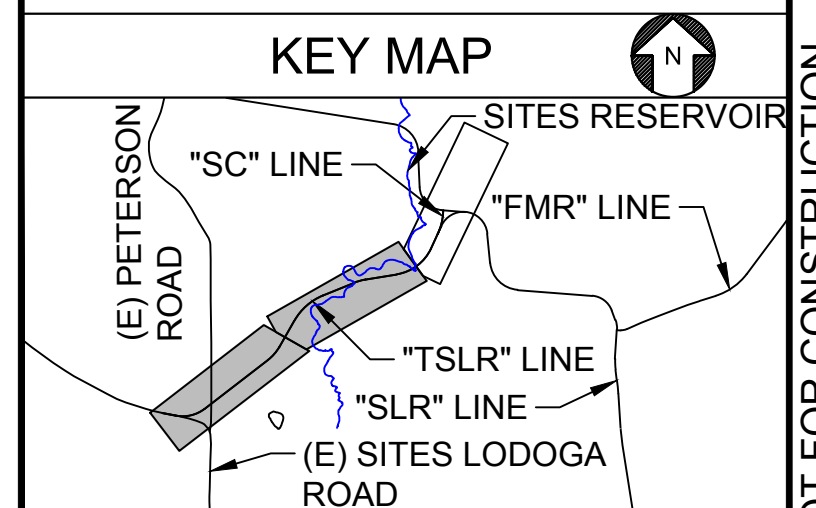
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 0 1"
 DRAWING NO. STS-1785-R-1103
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



- ### 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.
 - SUPERELEVATIONS ARE SHOWN ON THE SUPERELEVATION DIAGRAMS. REFER TO THE PROFILE AND SUPERELEVATION SHEETS.
 - REFER TO CONSTRUCTION DETAIL SHEETS FOR ADDITIONAL INFORMATION NOT SHOWN.
 - PAVEMENT STRUCTURAL SECTIONS TO BE CONSTRUCTED ON COMPACTED NATIVE MATERIAL.
 - GEOTECHNICAL INFORMATION AND FIELD INVESTAGATIONS 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.
 - HYDROLOGY AND HYDRAULICS ANALYSIS WILL BE PERFORMED IN A LATER DESIGN PHASE TO APPROPRIATELY SIZE CULVERTS AND DITCHES 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.

- ### SHEET KEY NOTES
- UTILITY RELOCATION TO BE COORDINATED WITH THE UTILITY OWNER IN A LATER DESIGN PHASE.
 - 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.
 - PCC PAVEMENT FOR FUTURE EMERGENCY & MAINTENANCE BOAT RAMP.



REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY:
S. JAIME

DRAWN BY:
E. KRİKORIAN

CHECKED BY:
A. GLEN

IN CHARGE:
H. MICHAEL

DATE:
03/15/24

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CALIFORNIA



SITES RESERVOIR
SITES RESERVOIR
ROADWAY
SITES LODOGA ROAD TEMPORARY DETOUR
PLAN

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

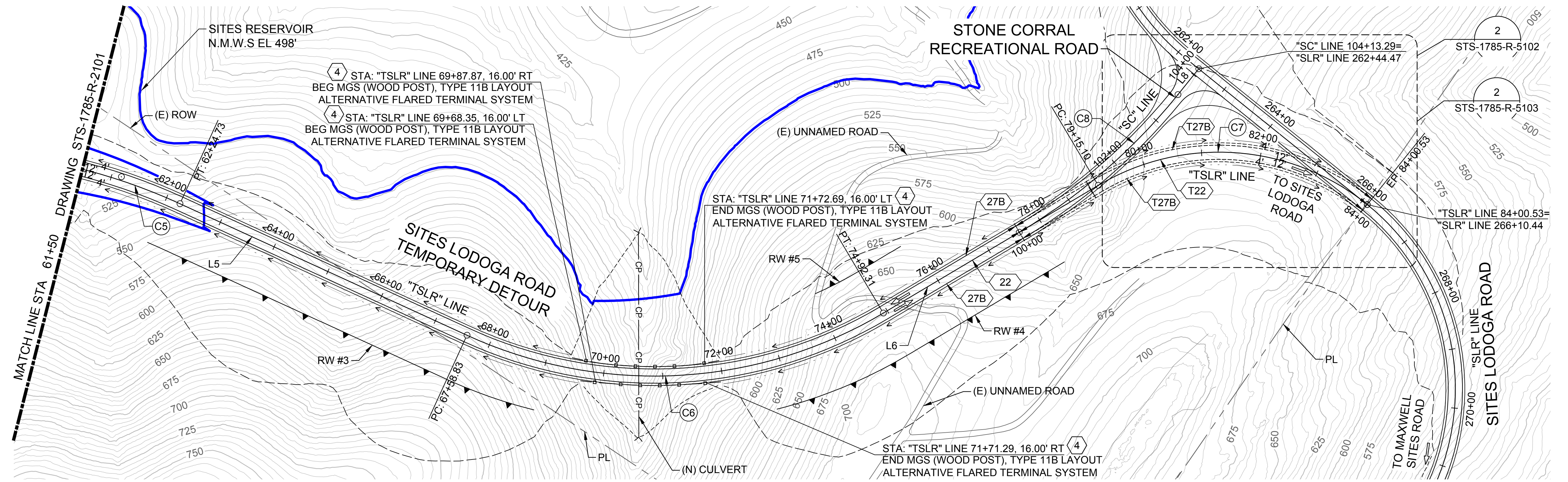
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STS-1785-R-2101
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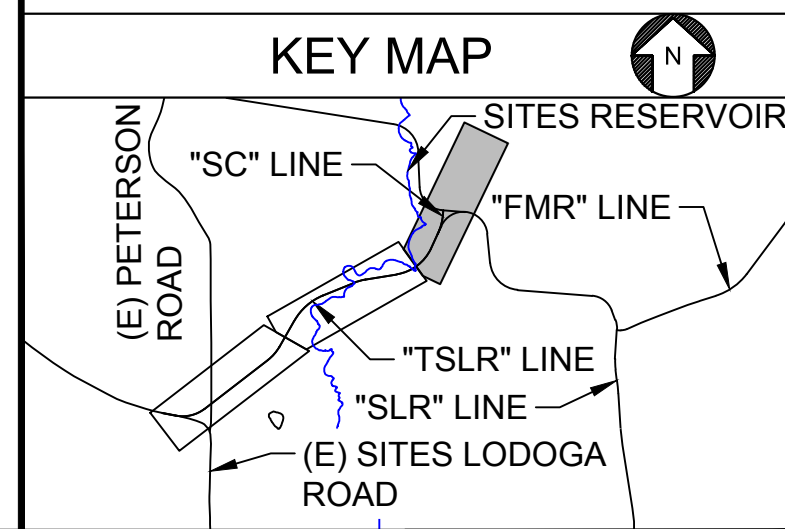
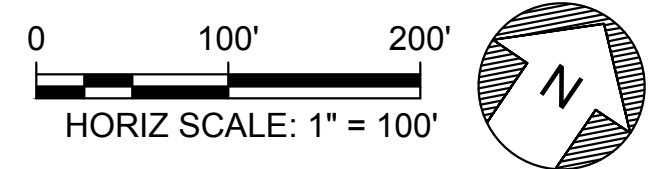
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NOTES

1. CONCEPTUAL STONE CORRAL RECREATIONAL ENTRANCE SHOWN. RECREATIONAL ROADS ARE NOT INCLUDED IN THIS DESIGN SET. THESE WILL BE DEVELOPED AT 60%



PLAN
HORIZ SCALE: 1" = 100'



Plot Date: 3/21/2024 12:04 PM File: c:\pwworking\hdr_sites_reservoir\dms01552\STS-1785-R-2102.dwg Saved By: JAIMES

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



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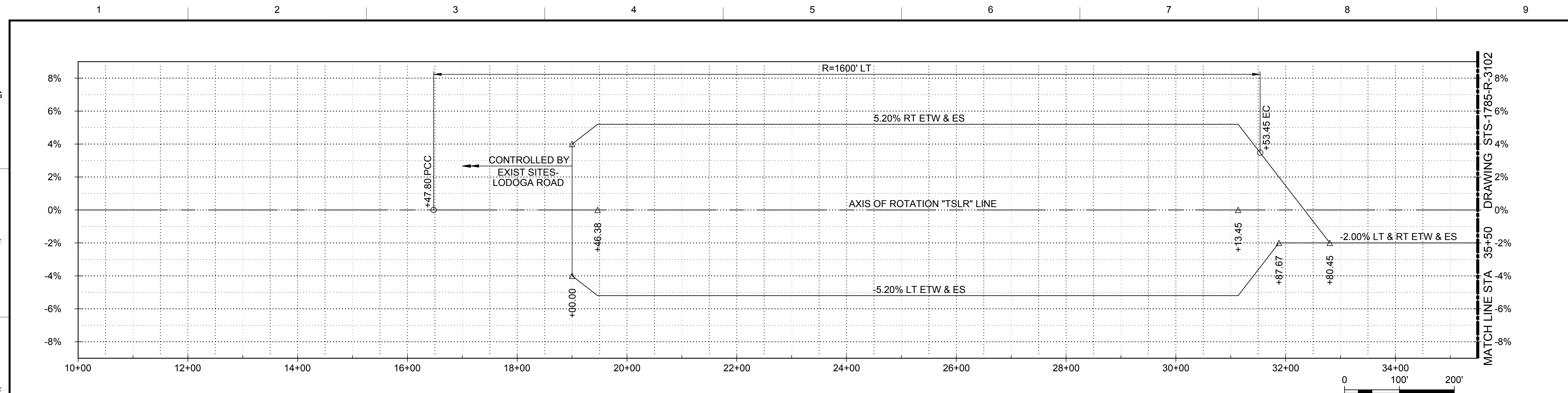


SITES RESERVOIR
 SITES RESERVOIR ROADWAY
 SITES LODOGA ROAD TEMPORARY DETOUR
 PLAN

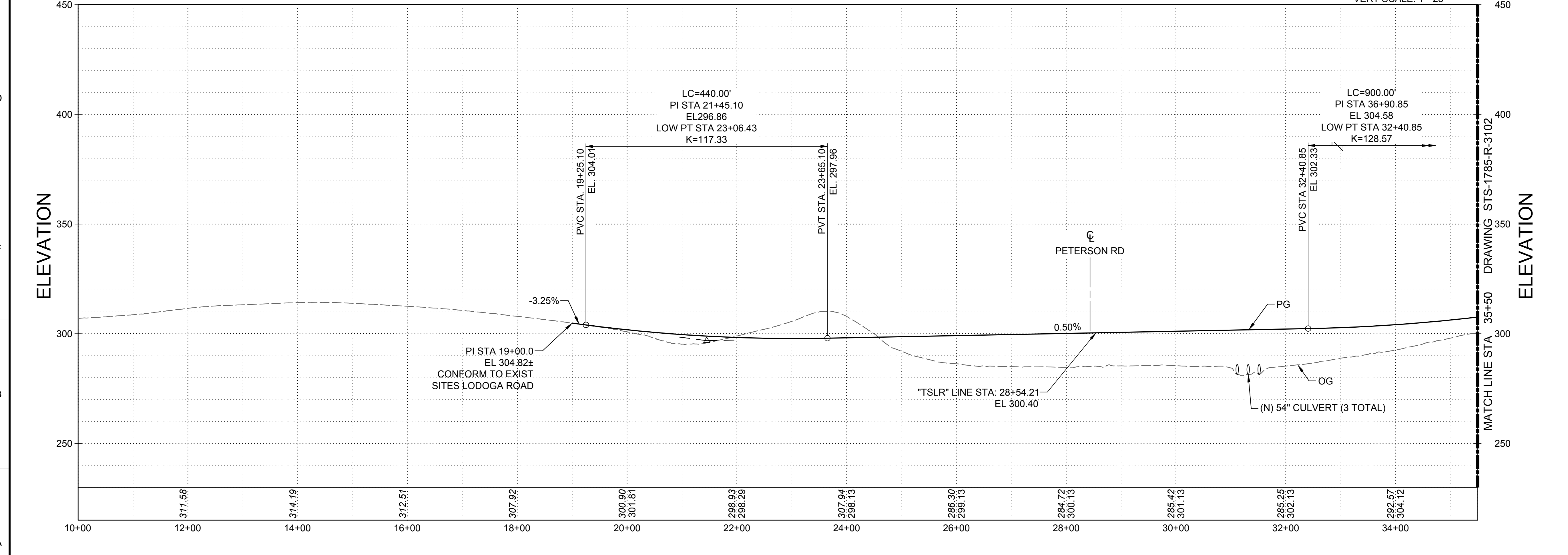
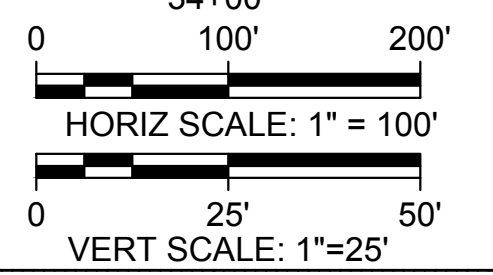
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 DRAWING NO. STS-1785-R-2102
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

Plot Date: 3/21/2024 12:05 PM File: c:\pwworking\hdr_sites_reservoir\dmso1552\STS-1785-R-3101.dwg Saved By: JAIMES



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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

GENERAL NOTES

- PROFILES WILL BE ADJUSTED DURING 60% DESIGN TO OPTIMIZE THE CUT & FILL VOLUME AND TO ACCOMMODATE ANIMAL CROSSINGS.
- SUPERELEVATION DESIGN KEY CONSIDERATIONS FOR ROADWAY RUNOFF, DRAINAGE CONVEYANCE INTO THE RESERVOIR, AND CONSTRUCTABILITY WILL BE FURTHER DEVELOPED AT A LATER DESIGN PHASE.

KEY MAP

SITES RESERVOIR
SITES RESERVOIR
ROADWAY
SITES LODOGA ROAD TEMPORARY DETOUR
SUPERELEVATION AND PROFILE

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
0 1"
DRAWING NO. STS-1785-R-3101
SHT OF

REV	DATE	BY	CHK	APPR	DESCRIPTION

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

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 2020 L Street, Suite 400
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 V. DOCTORO
 C78231
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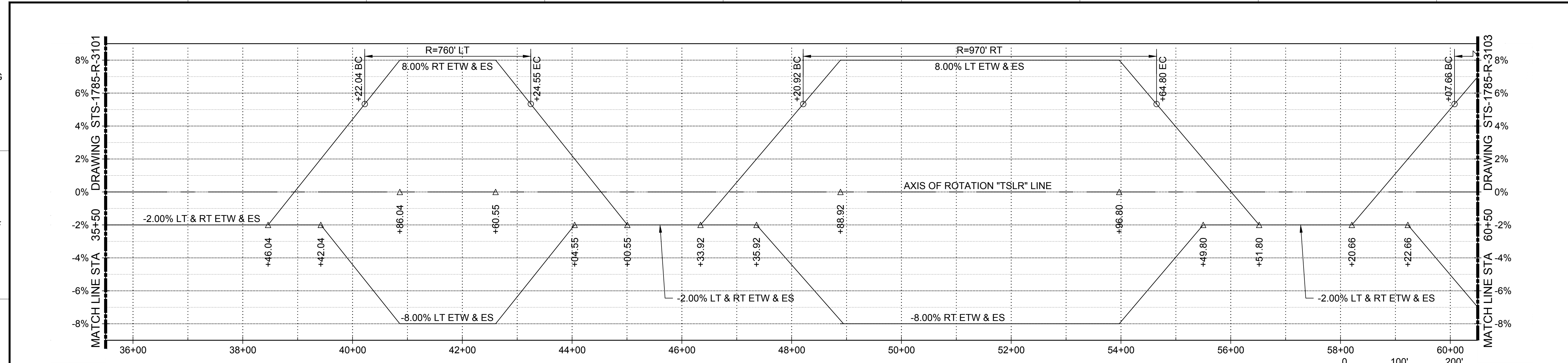


SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 SITES LODOGA ROAD TEMPORARY DETOUR
 SUPERELEVATION AND PROFILE

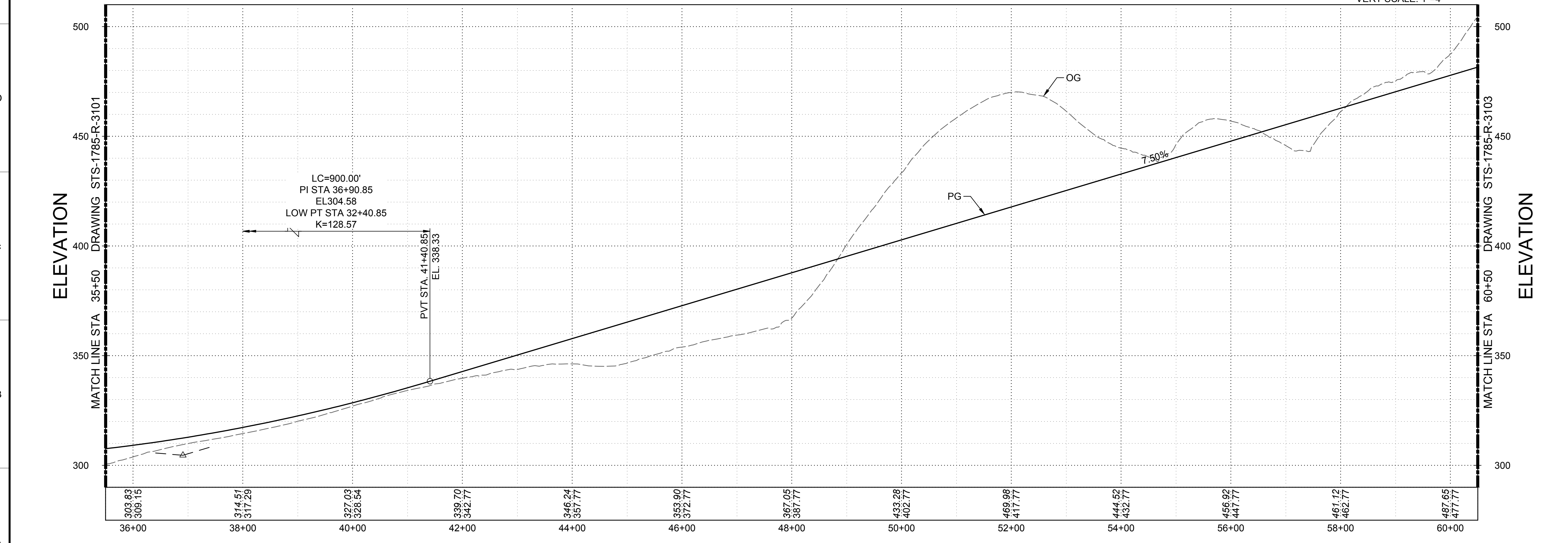
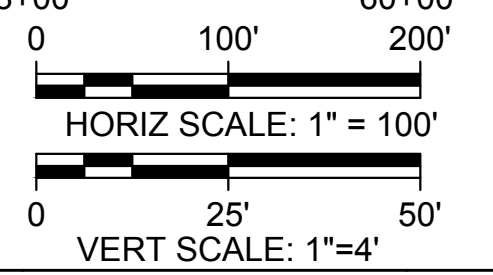
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 DRAWING NO. STS-1785-R-3101
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

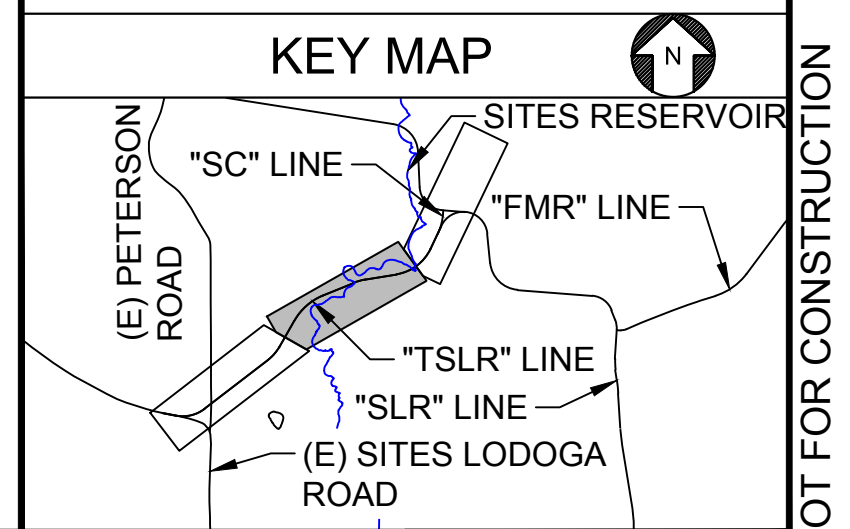
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 Saved By: JAIMES



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: S. JAIME
 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

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 C78231
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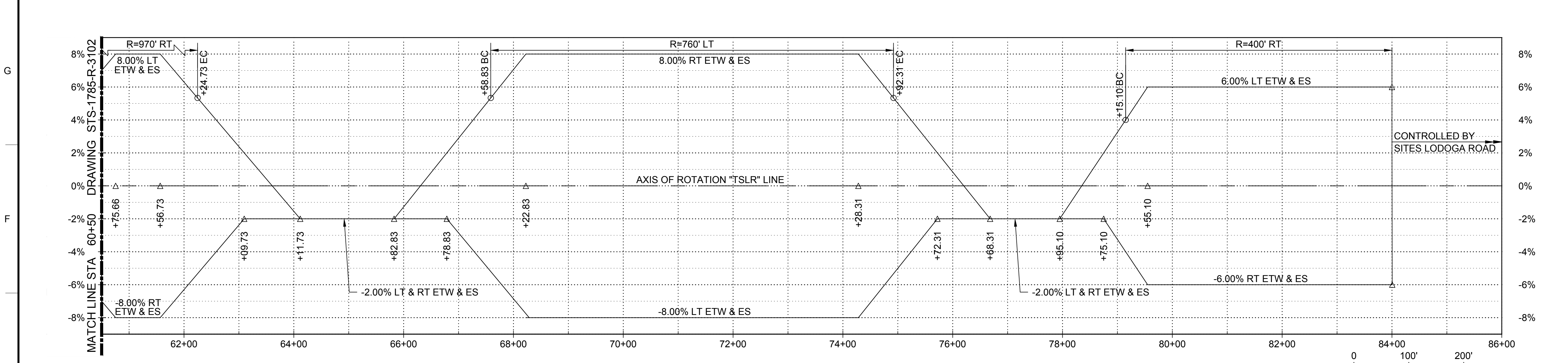


SITES RESERVOIR
 SITES RESERVOIR ROADWAY
 SITES LODOGA ROAD TEMPORARY DETOUR
 SUPERELEVATION AND PROFILE

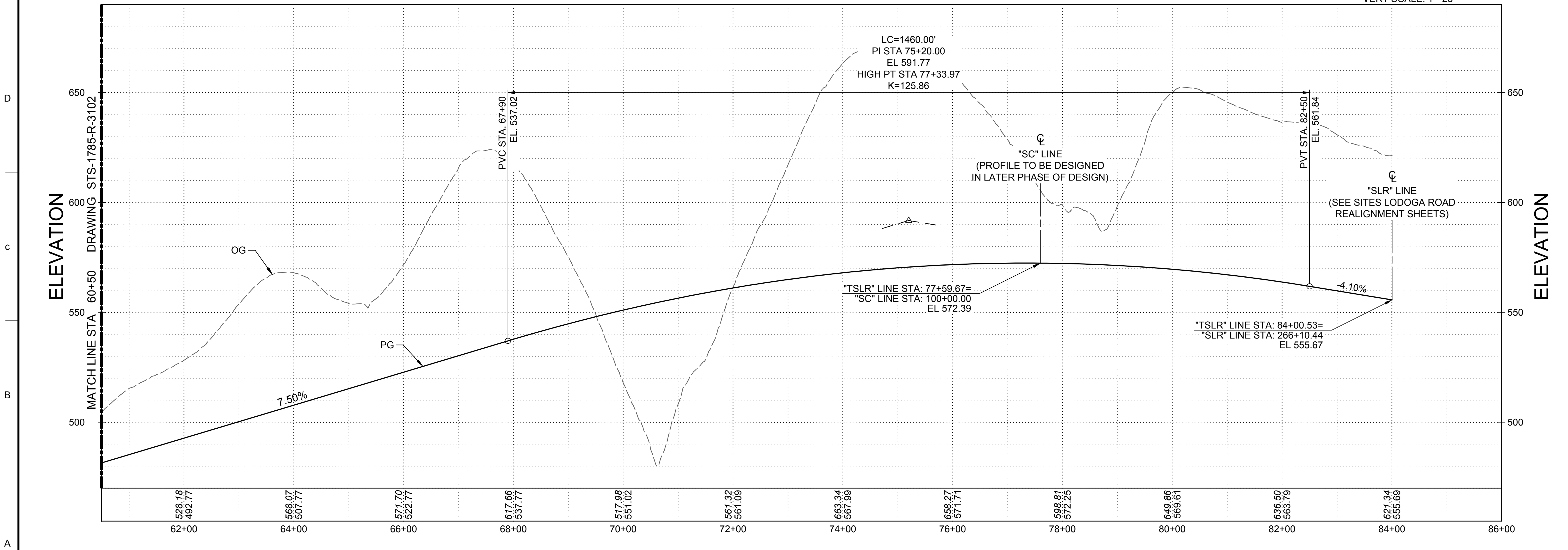
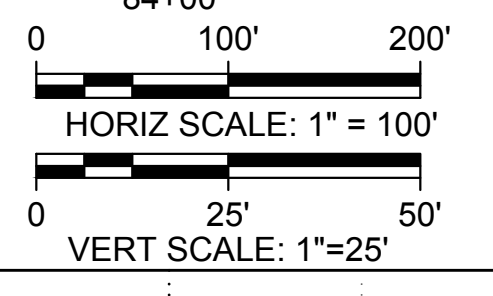
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DRAWING NO. STS-1785-R-3102
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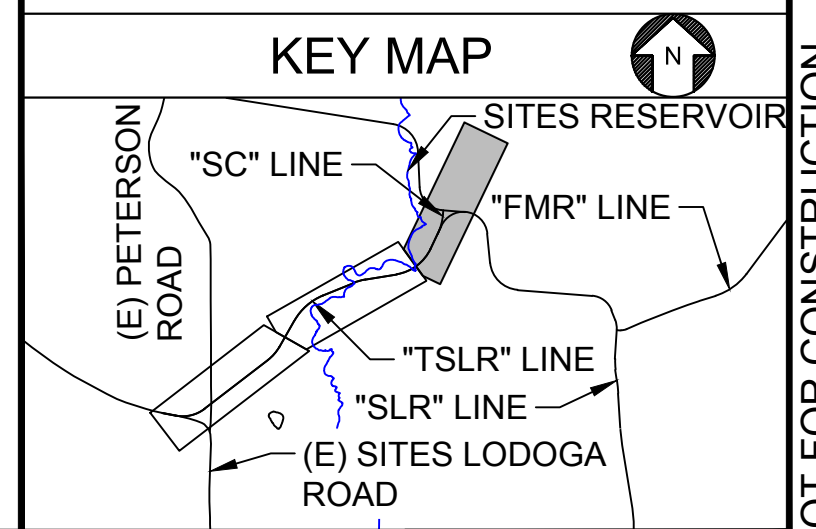
30% SUBMITTAL - NOT FOR CONSTRUCTION



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



REV	DATE	BY	CHK	APPR	DESCRIPTION

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

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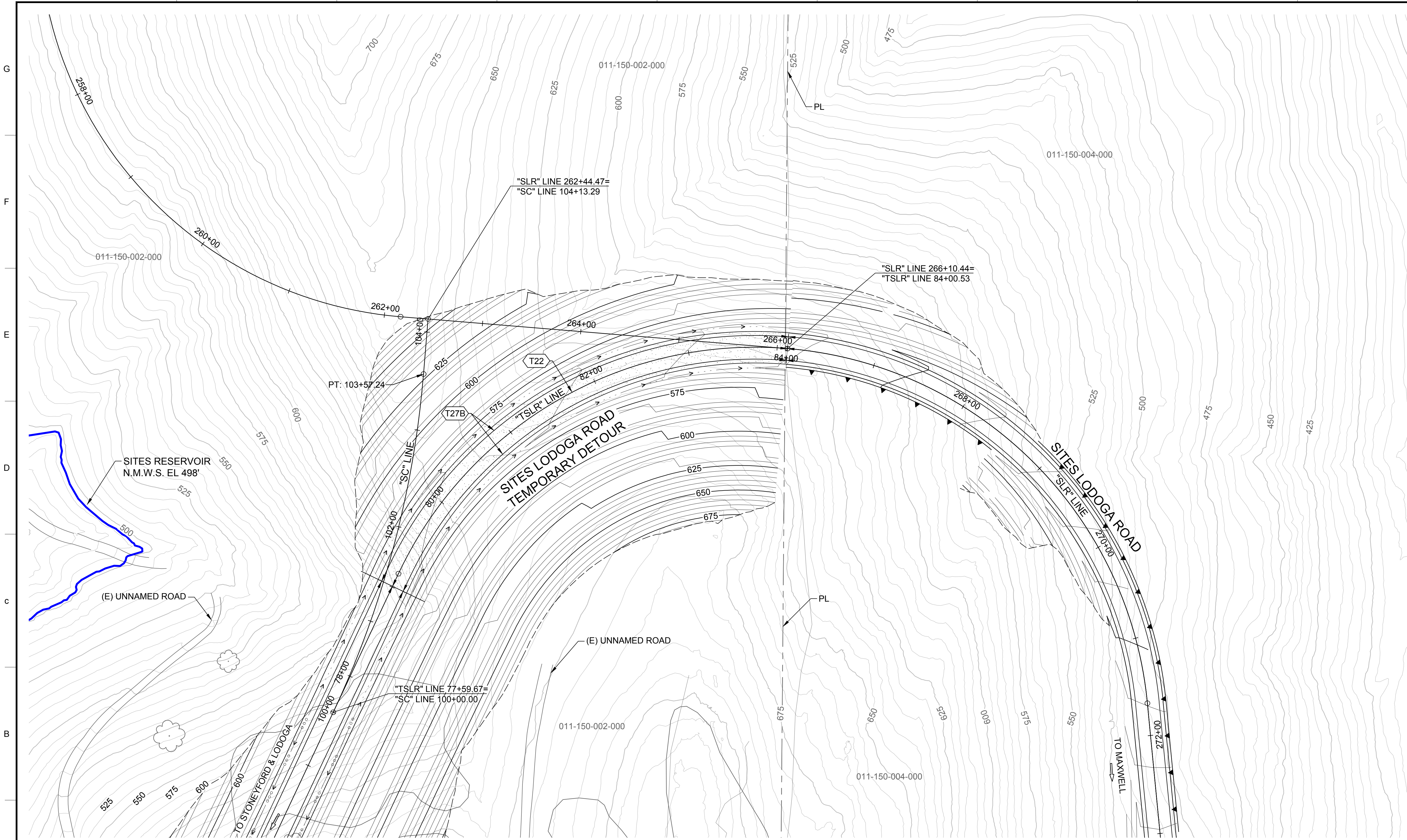


SITES RESERVOIR
SITES RESERVOIR ROADWAY
SITES LODOGA ROAD TEMPORARY DETOUR
SUPERELEVATION AND PROFILE

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO. STS-1785-R-3103
SHT OF

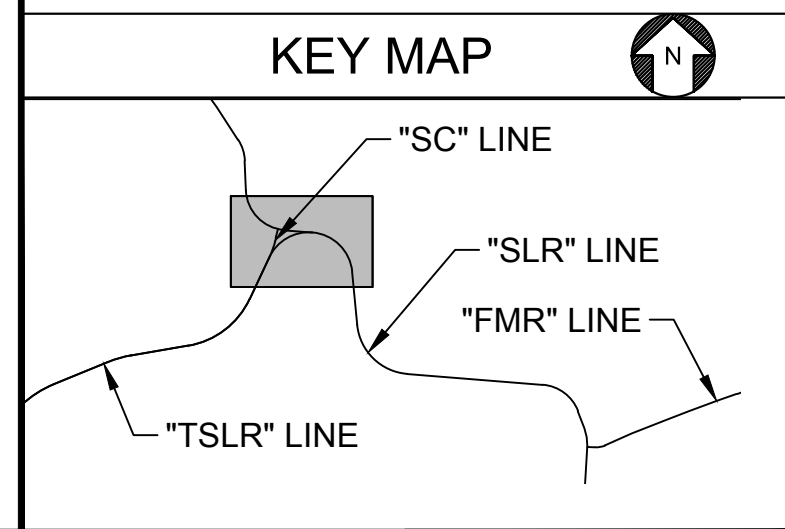
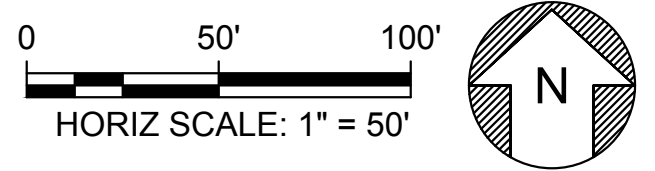
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30% SUBMITTAL - NOT FOR CONSTRUCTION



- NOTES**
1. STONE CORRAL ROAD ENTRANCE WILL BE CONSTRUCTED WITH THE REMAINING PORTION OF SITES LODOGA REALIGNMENT. SUBSEQUENTLY THE SEGMENT GENERALLY FROM 84+00 TO 100+00, BEING OBLITERATED FOLLOWING THE SHIFTING OF TRAFFIC FROM SITES LODOGA ROAD TEMPORARY DETOUR TO THE FINAL SITES LODOGA ROAD REALIGNMENT CONFIGURATION.
 2. INTERSECTION GRADING FOR STONE CORRAL ROAD AND SITES LODOGA ROAD TEMPORARY DETOUR WILL BE COMPLETED IN LATER DESIGN PHASE.

PLAN
HORIZ SCALE: 1" = 50'



Plot Date: 3/21/2024 12:07 PM File: c:\pwworking\hdr_sites_reservoir\dms01552\STS-1785-R-5101.dwg
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DESIGNED BY:	S. JAIME
DRAWN BY:	E. SMITH
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24



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 ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 SITES LODOGA TEMPORARY ROAD AND SITES LODOGA ROAD
 CONSTRUCTION DETAIL

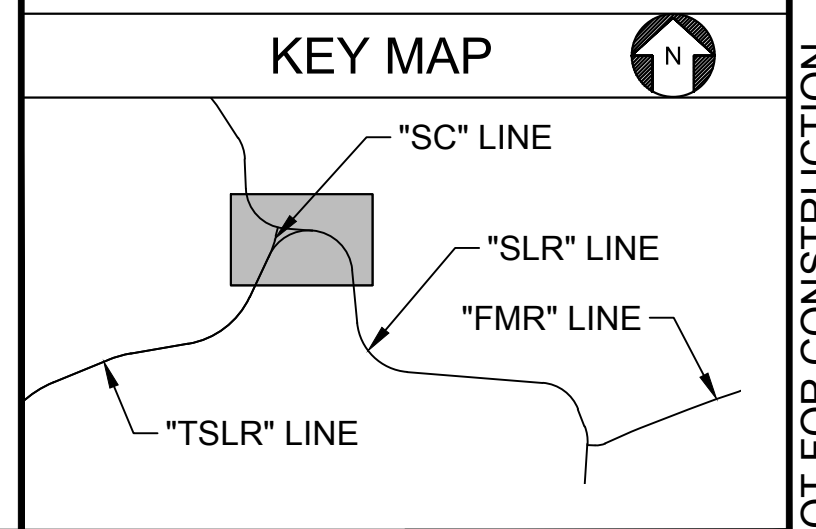
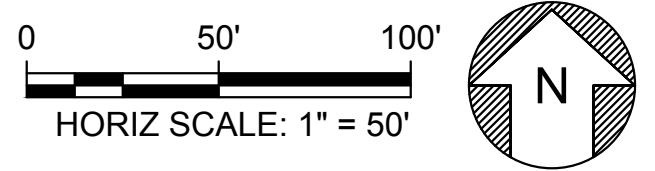
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 BAR IS ONE INCH ON ORIGINAL
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 REDUCED PLOTS
 0 100 1"
 DRAWING NO.
 STS-1785-R-5101
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



- NOTES**
1. STONE CORRAL ROAD ENTRANCE WILL BE CONSTRUCTED WITH THE REMAINING PORTION OF SITES LODOGA REALIGNMENT. SUBSEQUENTLY THE SEGMENT GENERALLY FROM 84+00 TO 100+00, BEING OBLITERATED FOLLOWING THE SHIFTING OF TRAFFIC FROM SITES LODOGA ROAD TEMPORARY DETOUR TO THE FINAL SITES LODOGA ROAD REALIGNMENT CONFIGURATION.
 2. INTERSECTION GRADING FOR STONE CORRAL ROAD WILL BE COMPLETED IN LATER DESIGN PHASE.

PLAN
HORIZ SCALE: 1" = 50'



Plot Date: 3/21/2024 12:08 PM File: c:\pwworking\hdr_sites_reservoir\dmso1552\STS-1785-R-5102.dwg
 Saved By: JAIMES

DESIGNED BY:	S. JAIME
DRAWN BY:	E. SMITH
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
 SITES LODOGA ROAD AND STONE CORRAL RECREATION ROAD
 CONSTRUCTION DETAIL

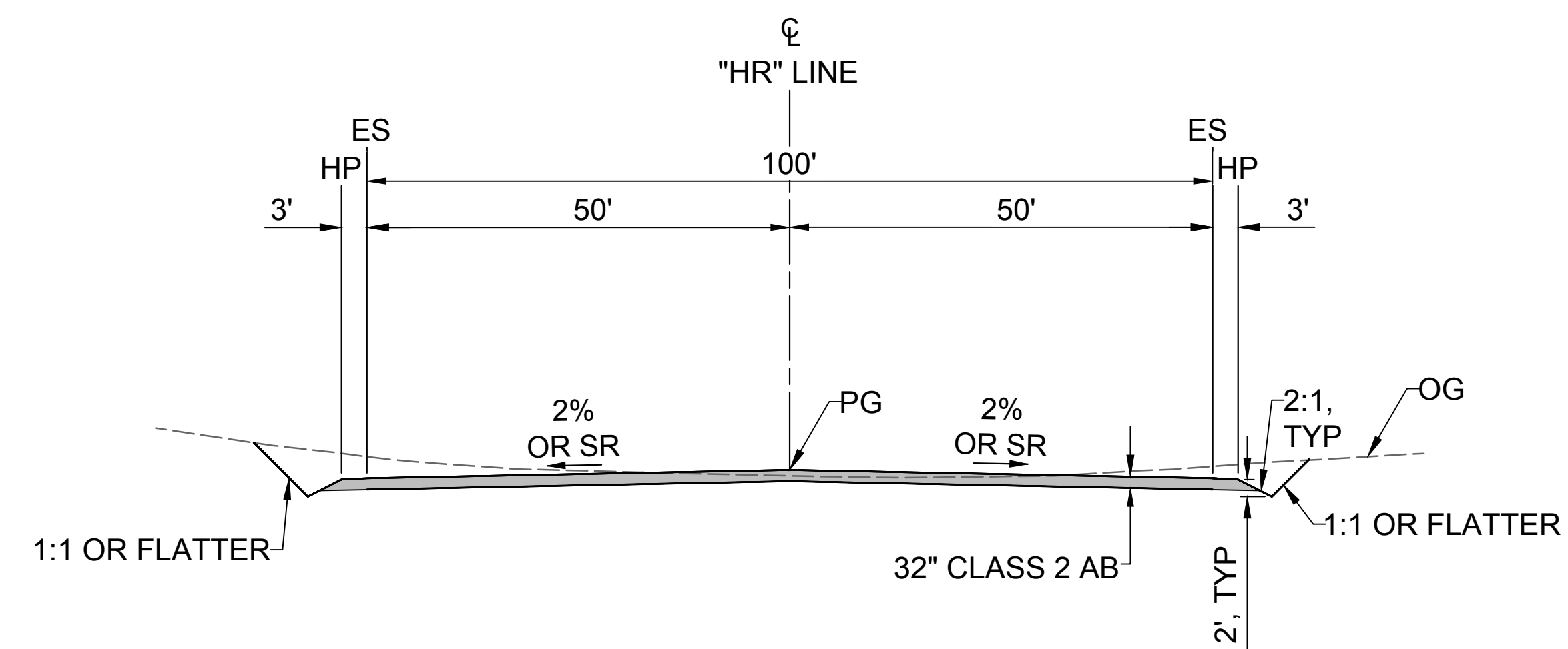
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 REDUCED PLOTS
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DRAWING NO.
 STS-1785-R-5102
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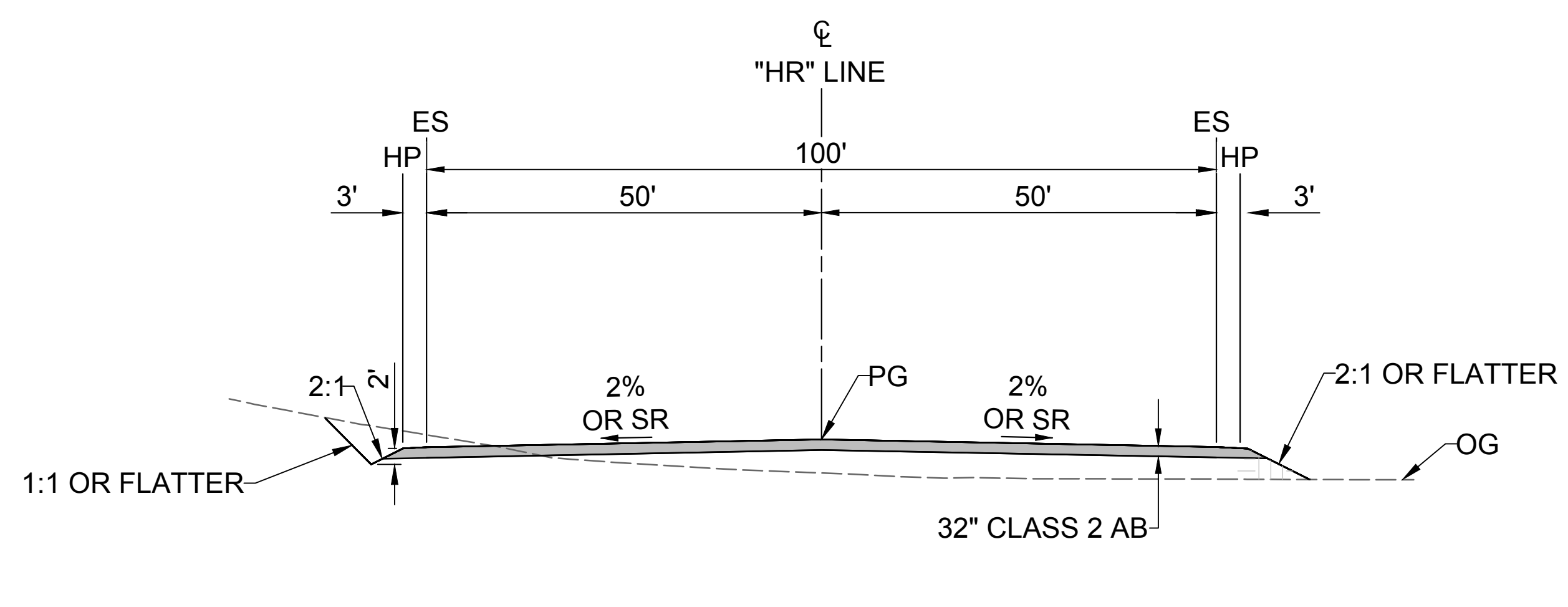
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GENERAL NOTES

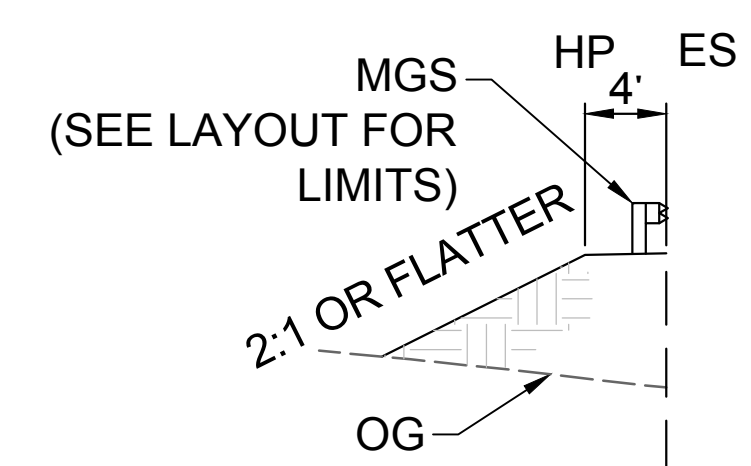
1. DIMENSIONS OF THE PAVEMENT STRUCTURES (STRUCTURAL SECTIONS) ARE SUBJECT TO TOLERANCES SPECIFIED IN THE CALTRANS STANDARD SPECIFICATIONS. PAVEMENT STRUCTURAL SECTIONS ARE PENDING GEOTECHNICAL INVESTIGATIONS.
2. SUPERELEVATION RATES ARE SHOWN ON THE SUPERELEVATION DIAGRAMS. REFER TO THE PROFILE AND 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.



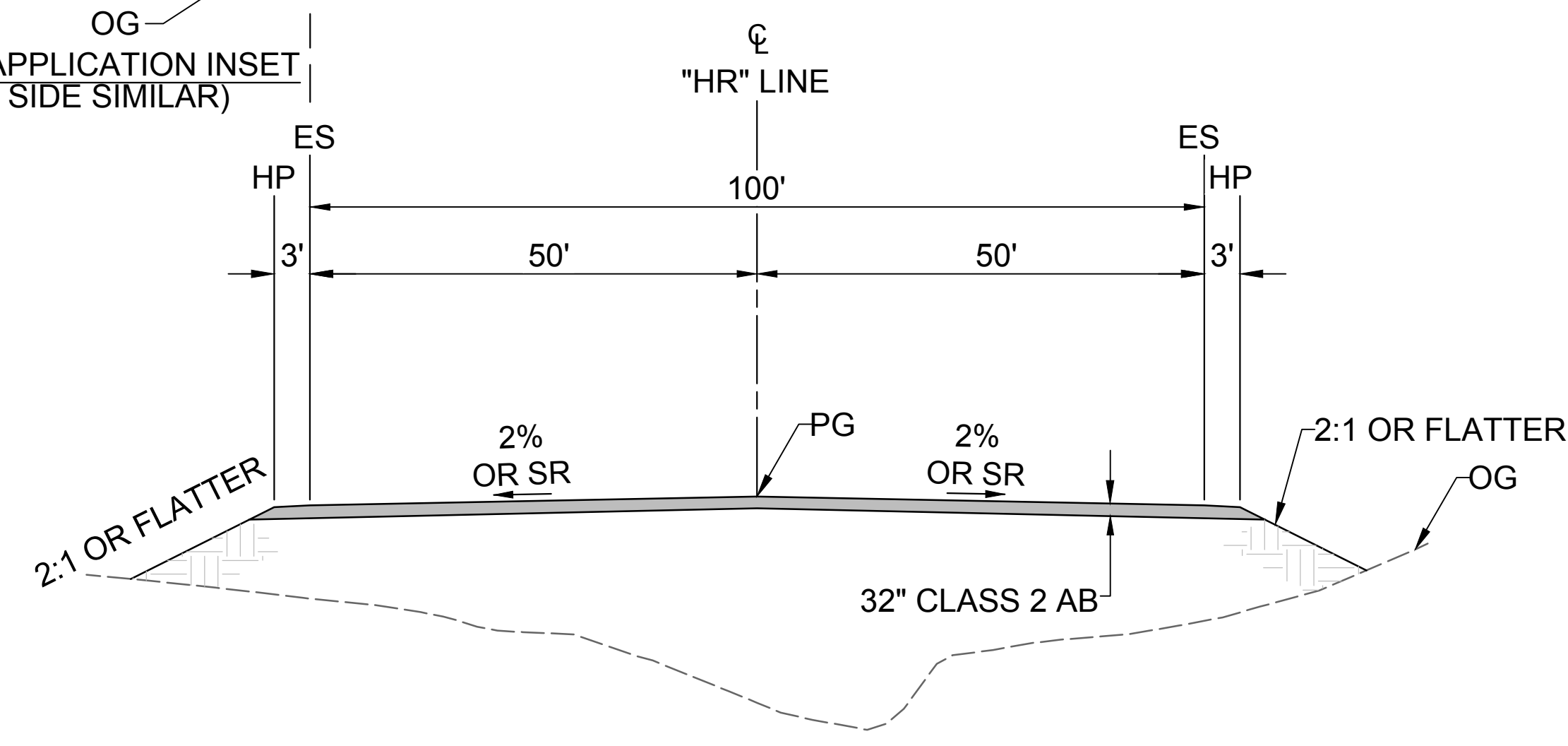
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133+80.00	136+90.00
140+30.00	142+40.00
152+20.00	156+00.00



FROM	TO
102+70.00	113+70.00
117+40.00	123+40.00
124+60.00	133+80.00
136+90.00	140+30.00
142+40.00	152+20.00
156+00.00	156+30.93



SLOPE SEVERITY GUARDRAIL APPLICATION INSET
(LEFT SIDE SHOWN, RIGHT SIDE SIMILAR)



FROM	TO
113+70.00	117+40.00
123+40.00	124+60.00

"HR" LINE
HORIZ SCALE: NO SCALE

Plot Date: 3/22/2024 12:29 PM File: C:\pwworking\hdr_sites_reservoir\dms02413\STS-1790-R-1101.dwg Saved By: JUSTIN CHANZ

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: R. VALDEZ
 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
 RBA-2 HAUL ROAD
 TYPICAL SECTIONS

VERIFY SCALES

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



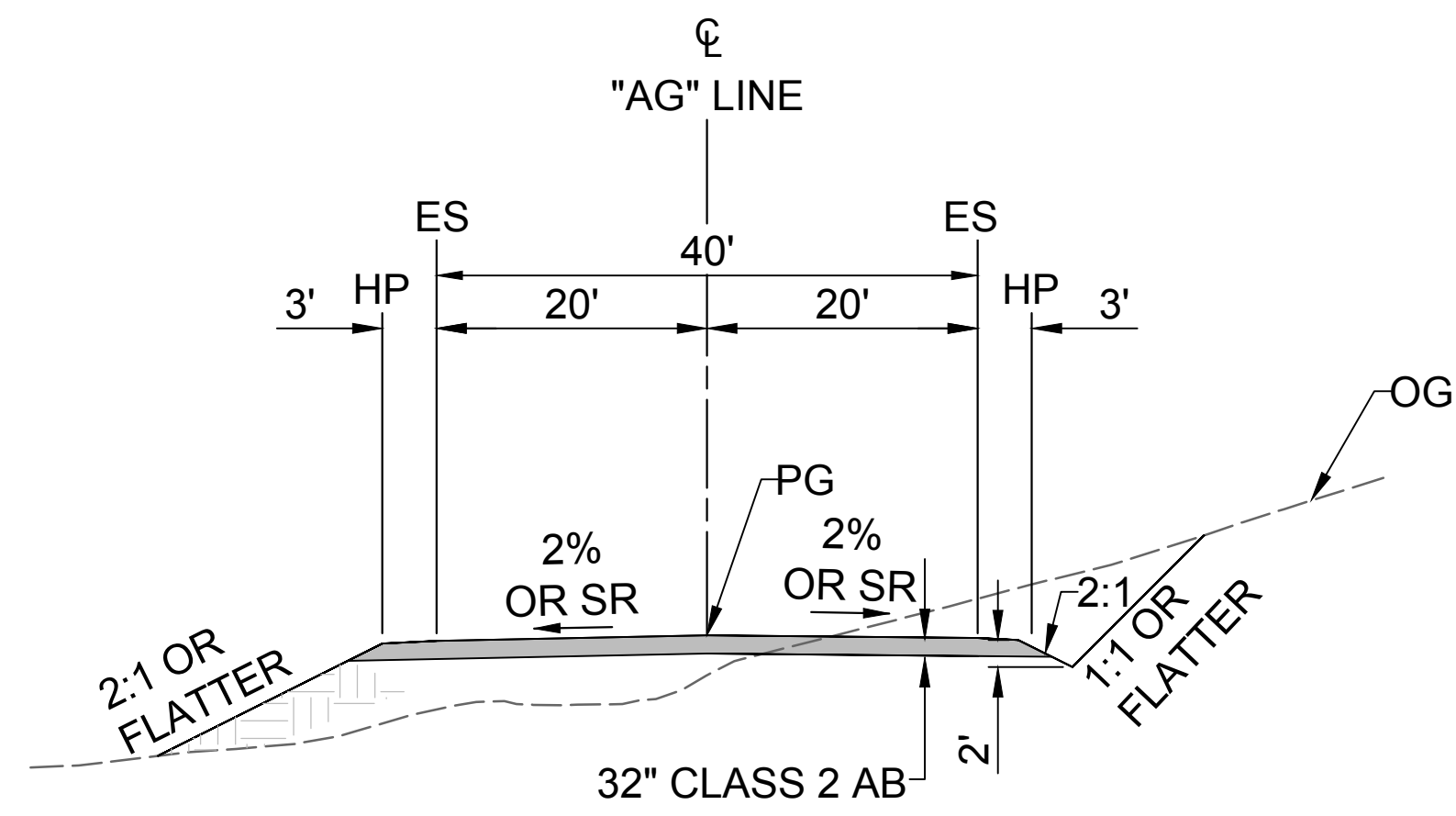
DRAWING NO.
 STS-1790-R-1101
 SHEET OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

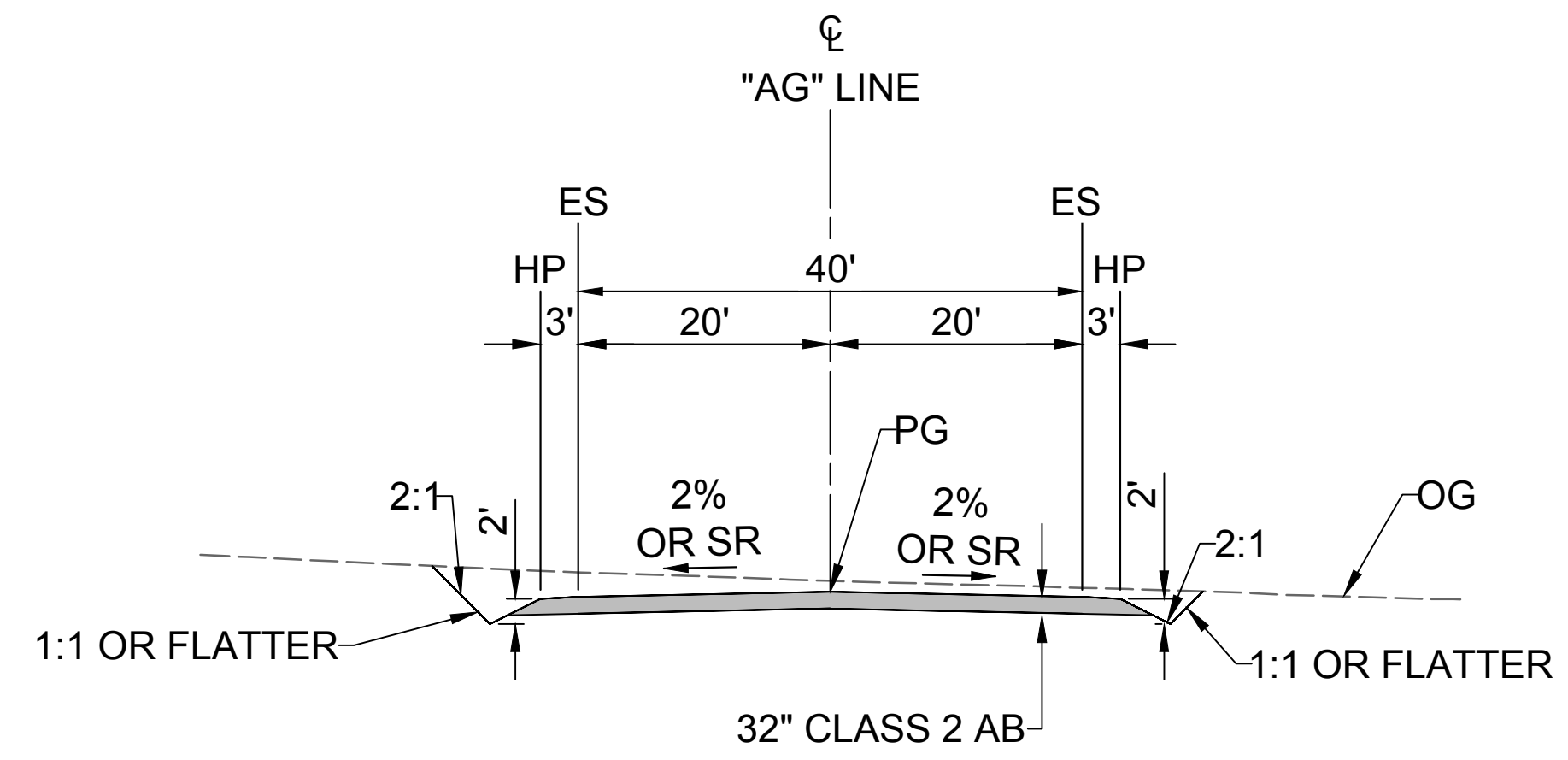
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G
F
E
D
C
B
A

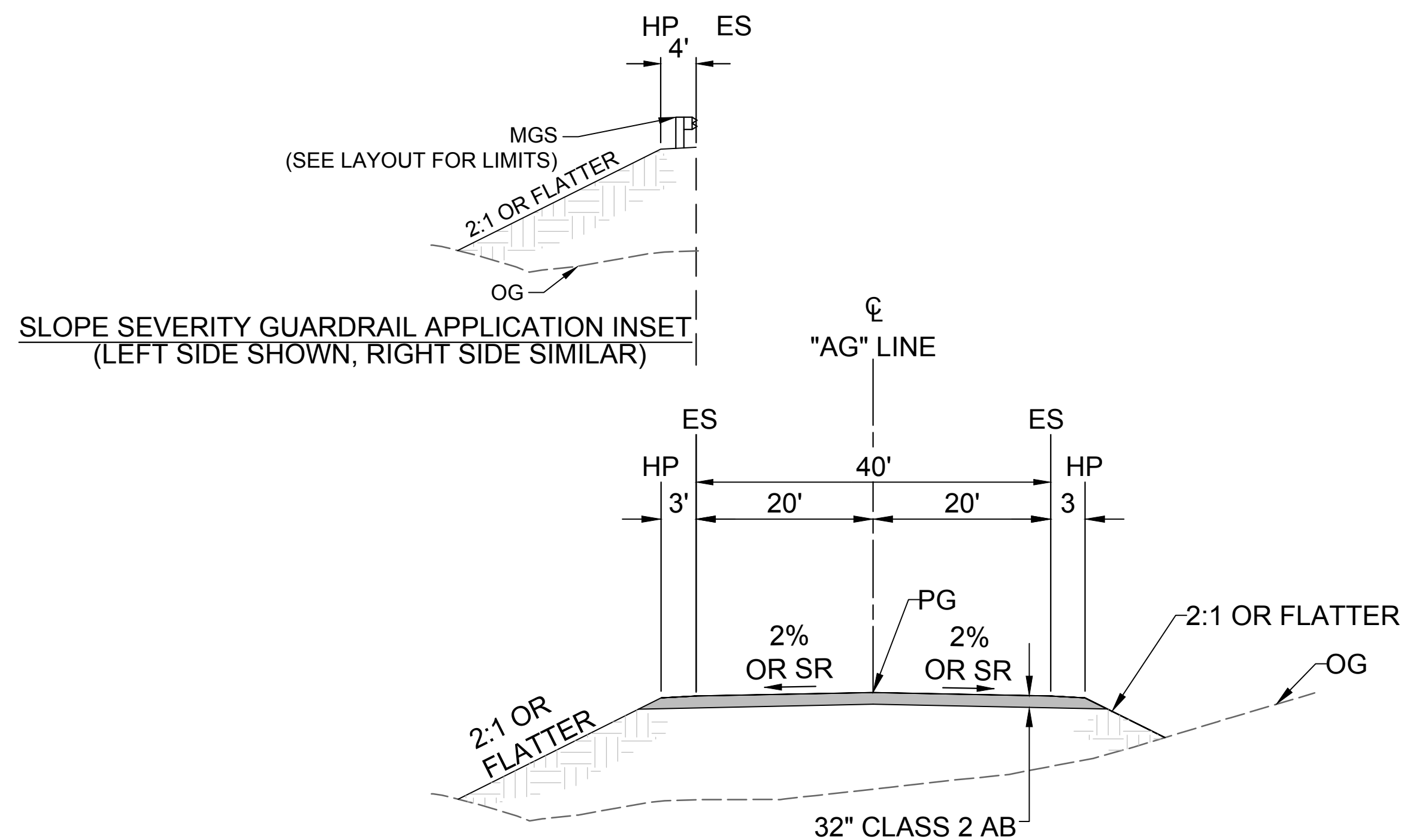
1 2 3 4 5 6 7 8 9 10



FROM	TO
154+00.00	162+50.00
167+50.00	171+40.00
172+30.00	172+80.00
191+00.00	191+10.00
214+80.00	218+40.00
221+60.00	223+50.00
229+50.00	232+00.00

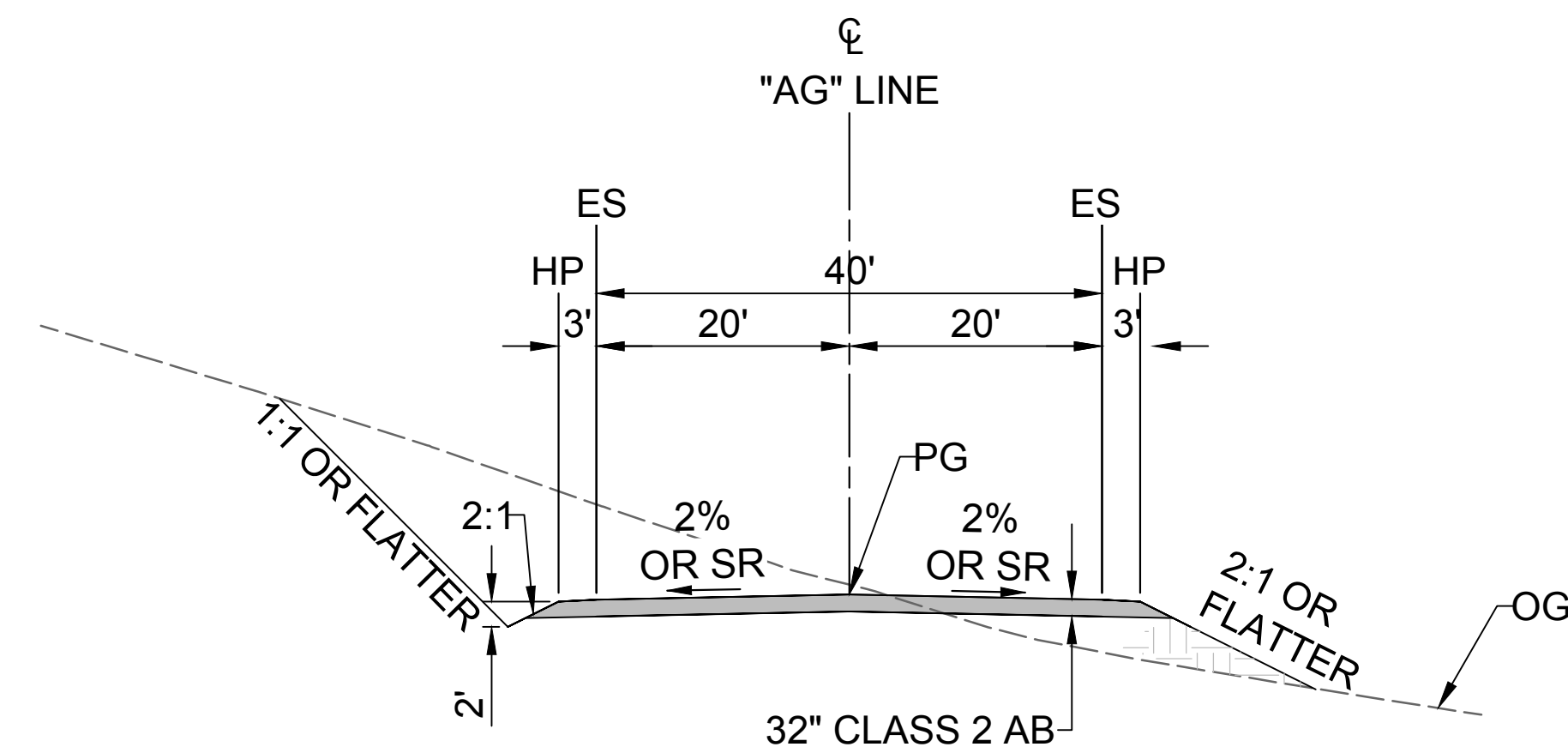


FROM	TO
162+50.00	167+50.00
171+40.00	172+30.00
172+80.00	190+50.00
190+80.00	191+20.00
191+30.00	214+80.00
223+50.00	229+50.00
239+80.00	245+50.00
268+00.00	273+60.00
275+95.00	278+50.00
278+90.00	279+40.00



FROM	TO
218+40.00	221+60.00
232+00.00	238+00.00
273+60.00	275+95.00

"AG" LINE
HORIZ SCALE: NO SCALE



FROM	TO
190+50.00	190+80.00
191+20.00	191+30.00
238+00.00	239+80.00
245+50.00	268+00.00
278+50.00	278+90.00
279+40.00	279+74.54

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



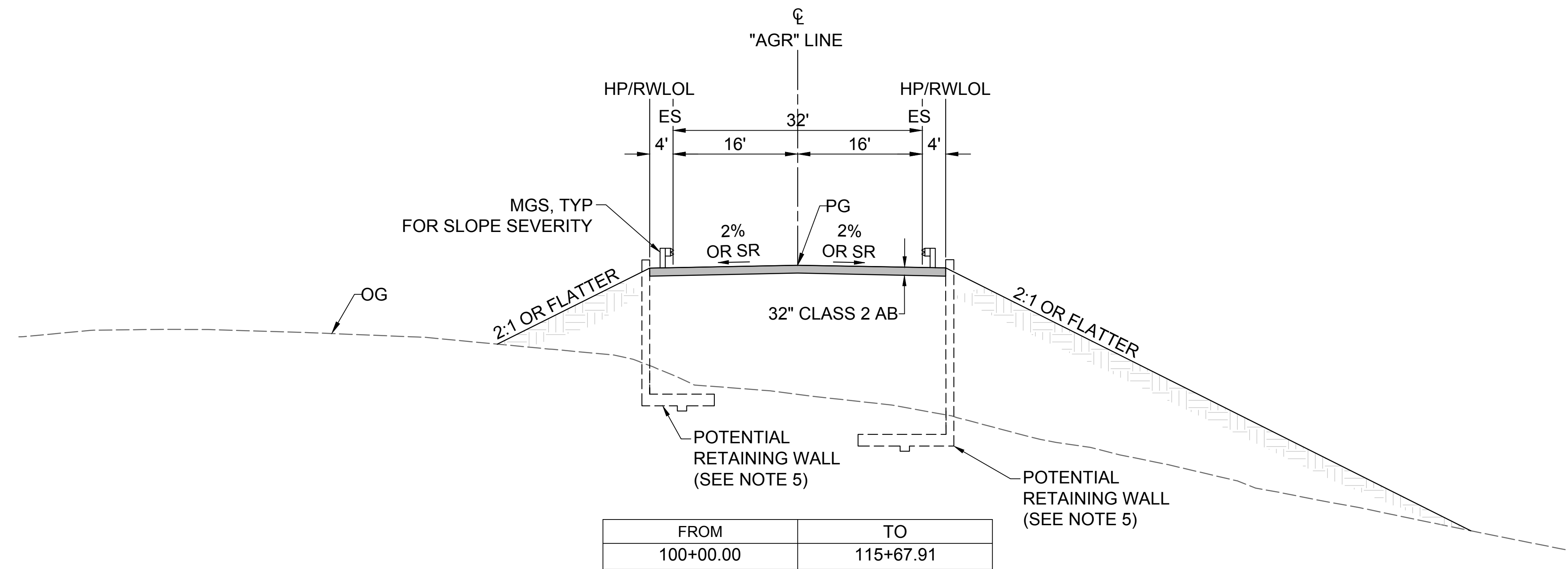
REGISTERED
PROFESSIONAL
ENGINEER
V. DOCTOLERO
C78231
CALIFORNIA



SITES RESERVOIR
SITES RESERVOIR
ROADWAY
MATERIALS HAUL ROAD
TYPICAL SECTIONS

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL
DRAWING. ADJUST SCALES FOR
REDUCED PLOTS
DRAWING NO.
STS-1790-R-1102
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



"AGR" LINE
HORIZ SCALE: NO SCALE

Plot Date: 3/22/2024 12:29 PM
Saved By: JUSTIN CHANZ
File: C:\pwworking\hdr_sites_reservoir\dms02413\STS-1790-R-1103.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



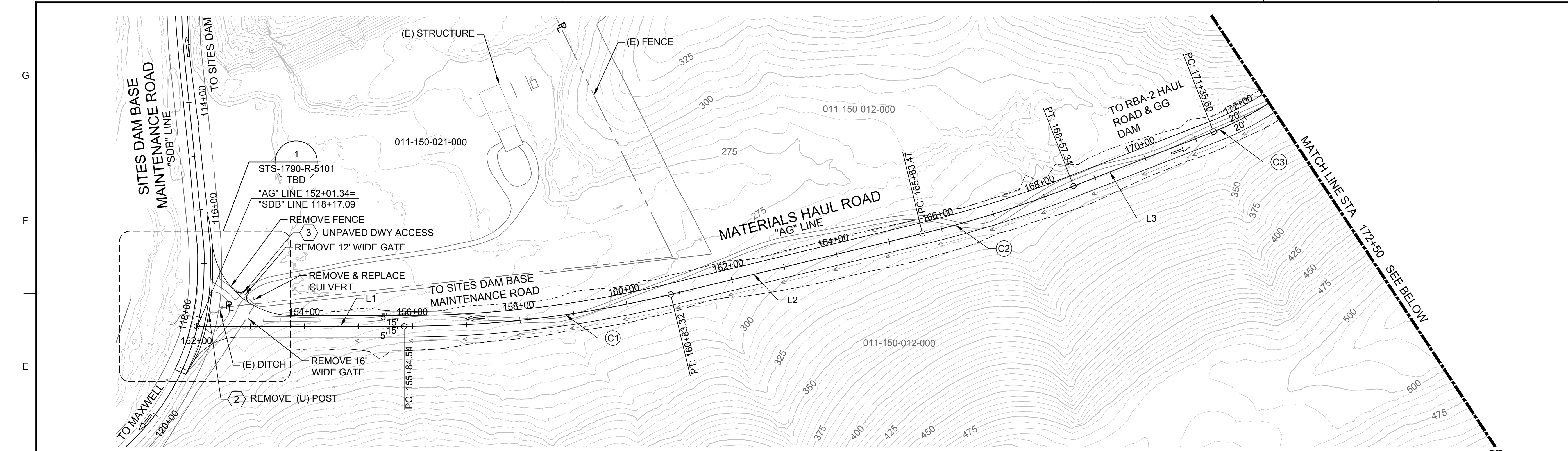
REGISTERED
PROFESSIONAL
ENGINEER
V. DOCTOLERO
C78231
CALIFORNIA



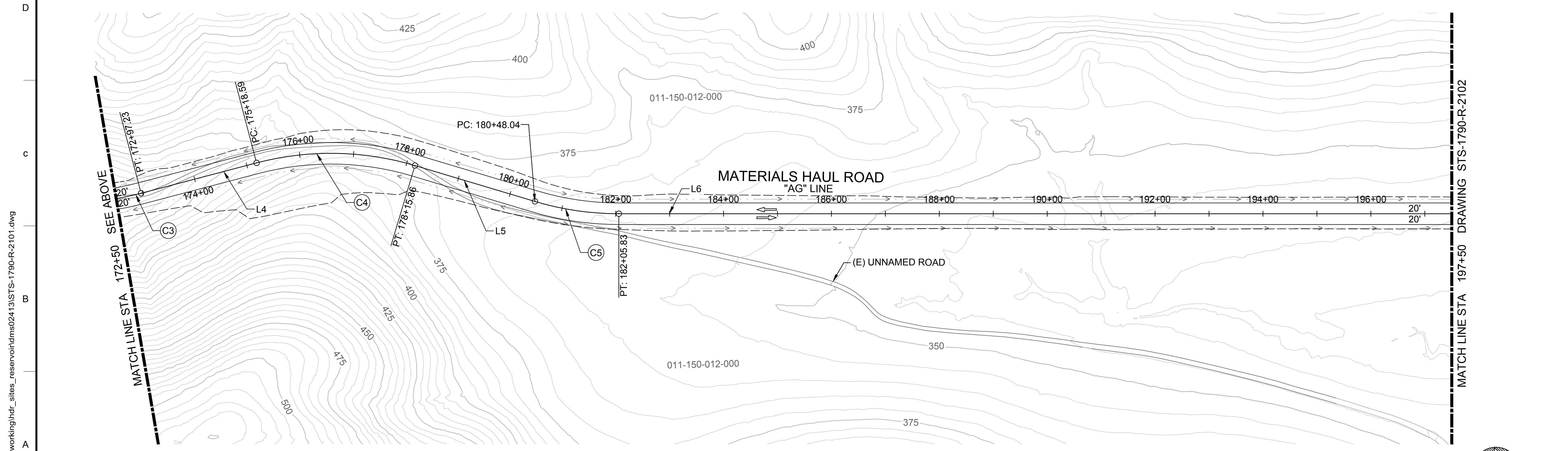
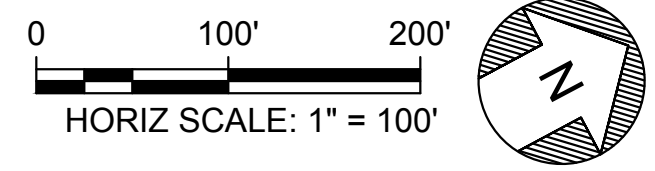
SITES RESERVOIR
SITES RESERVOIR
ROADWAY
MATERIALS HAUL ROAD HOOK RAMP
TYPICAL SECTIONS

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL
DRAWING. ADJUST SCALES FOR
REDUCED PLOTS
0 1"
DRAWING NO.
STS-1790-R-1103
SHT OF

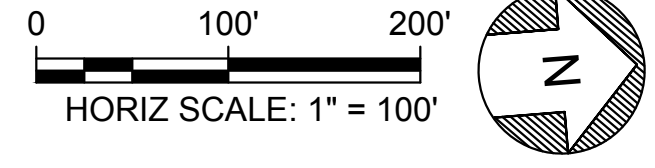
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN
HORIZ SCALE: 1" = 100'



PLAN
HORIZ SCALE: 1" = 100'

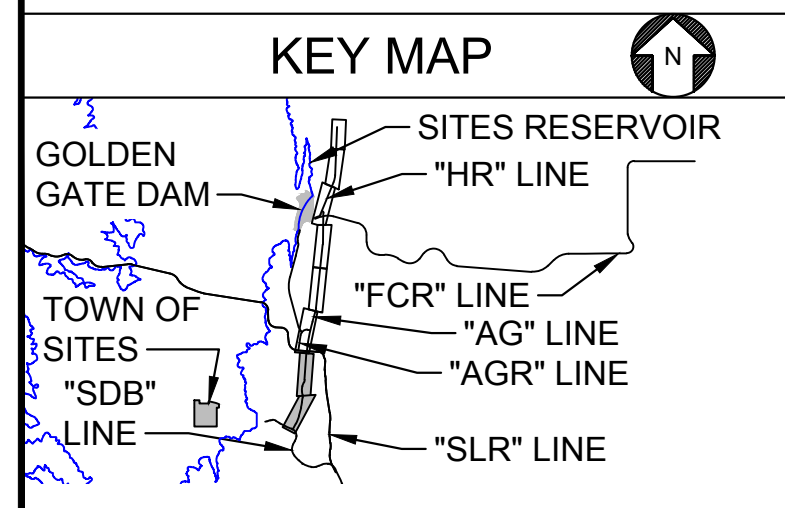


GENERAL NOTES

- 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 PAVEMENT STRUCTURAL SECTIONS AND RETAINING WALL LIMITS.
- HYDROLOGY AND HYDRAULICS ANALYSIS WILL BE PERFORMED IN A LATER DESIGN PHASE TO APPROPRIATELY SIZE CULVERTS AND DITCHES 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.

SHEET KEY NOTES

- UTILITY RELOCATION TO BE COORDINATED WITH THE UTILITY OWNER IN A LATER DESIGN PHASE.
- 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: 3/20/2024 4:34 PM
 Saved By: WOLFEMT
 File: C:\pwworking\hdr_sites_reservoir\dmso2413\STS-1790-R-2101.dwg

DESIGNED BY:	R. VALDEZ
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
 C78321
 CALIFORNIA



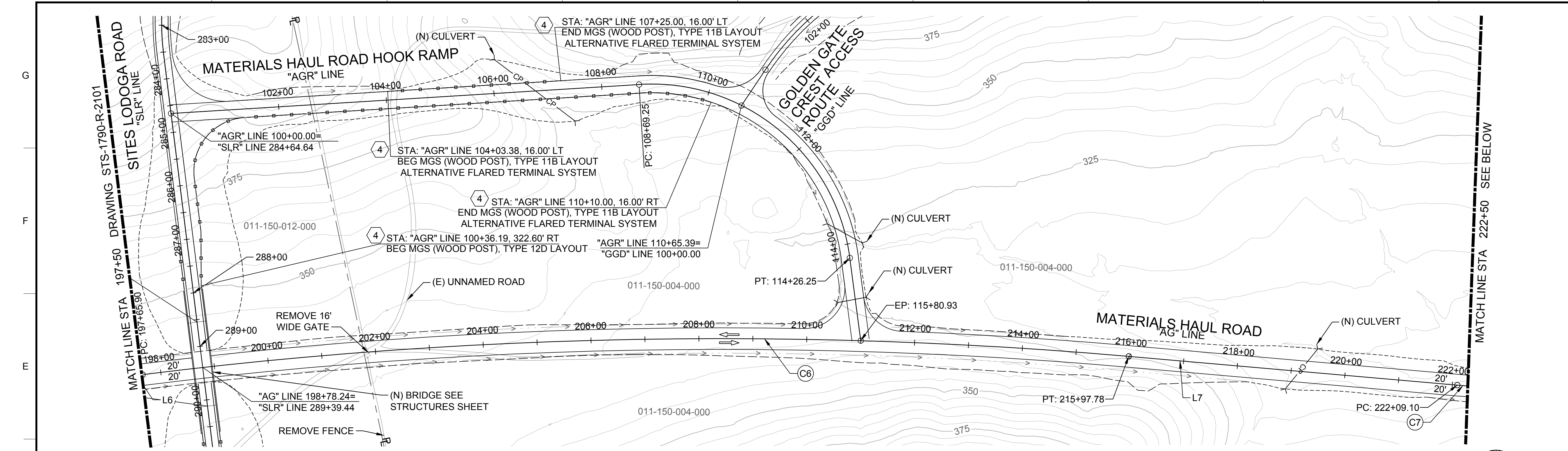
SITES RESERVOIR
 SITES RESERVOIR ROADWAY MATERIALS HAUL ROAD PLAN

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

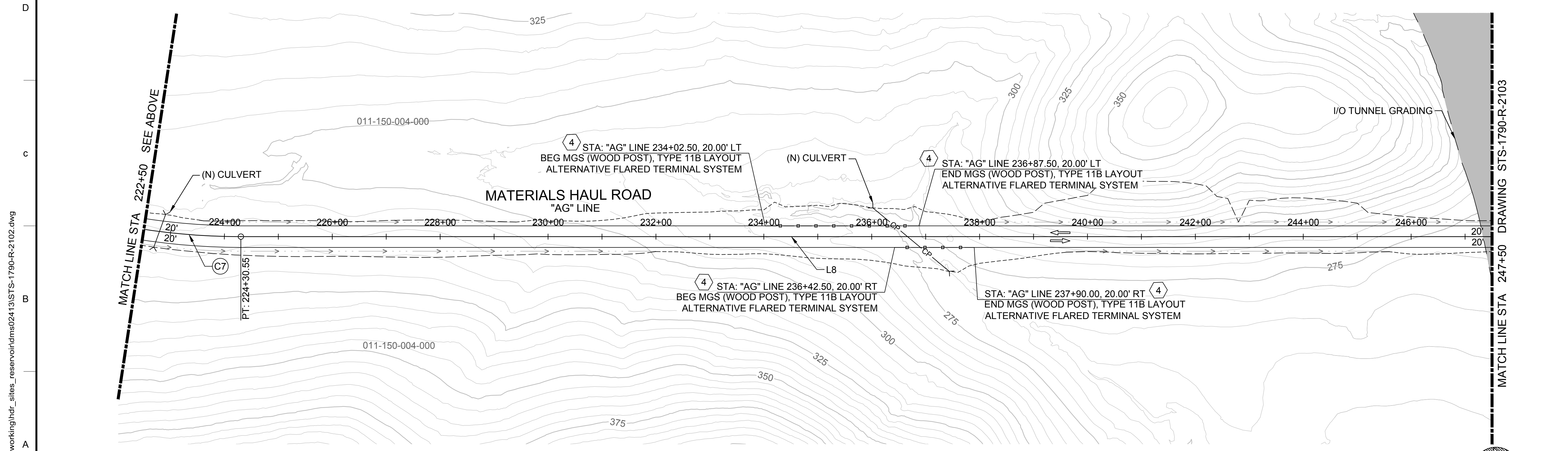
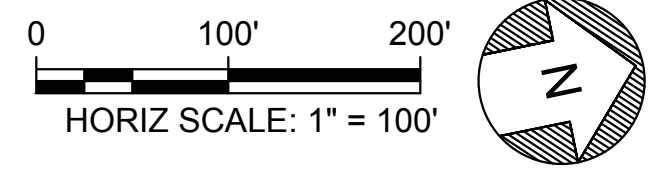
0 100 200 1"

DRAWING NO. STS-1790-R-2101
 SHT OF

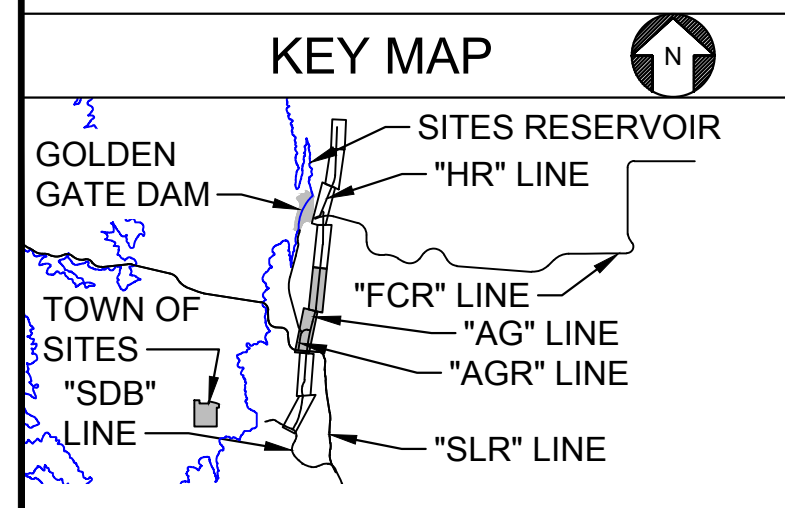
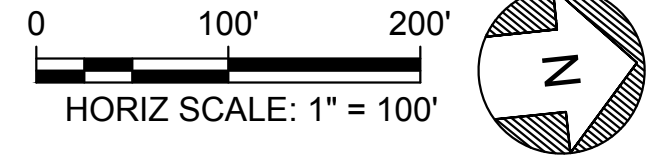
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN
HORIZ SCALE: 1" = 100'



PLAN
HORIZ SCALE: 1" = 100'



Plot Date: 3/20/2024 2:56 PM
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 File: C:\pwworking\hdr_sites_reservoir\dms02413\STS-1790-R-2102.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	R. VALDEZ
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

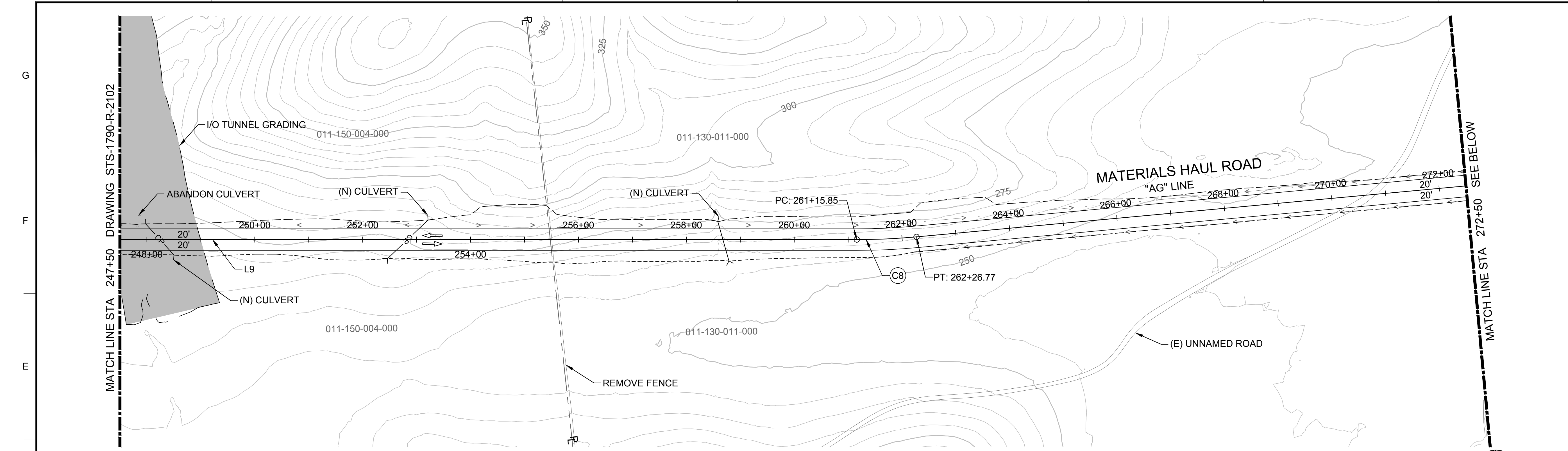
REGISTERED
 PROFESSIONAL
 ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



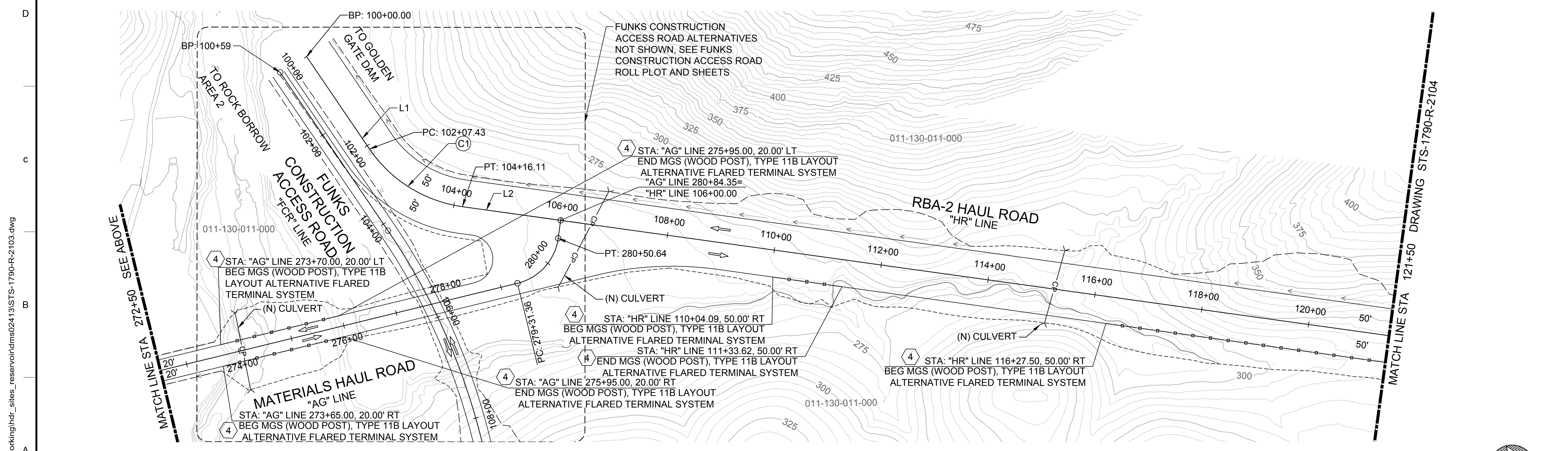
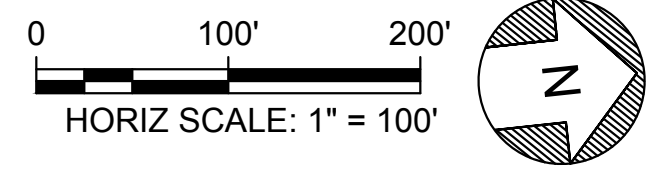
SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 MATERIALS HAUL ROAD
 PLAN

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
	0 100 200 1"
DRAWING NO.	STS-1790-R-2102
SHT	OF

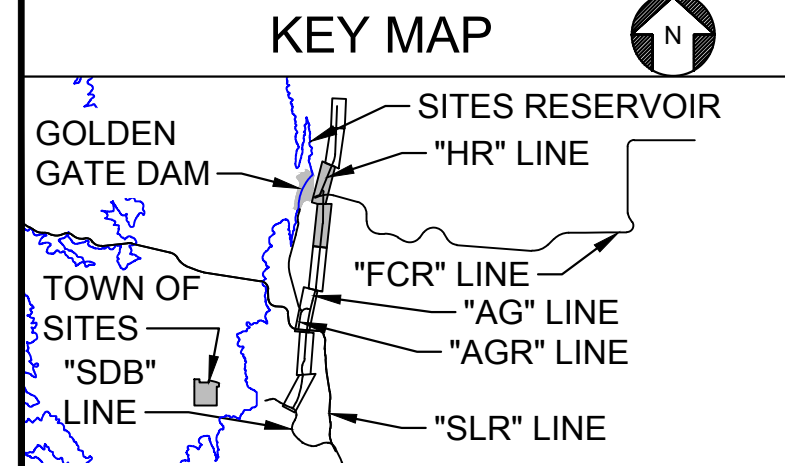
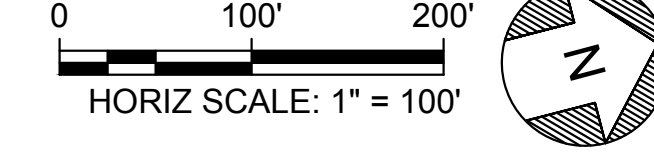
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN
HORIZ SCALE: 1" = 100'



PLAN
HORIZ SCALE: 1" = 100'



Plot Date: 3/20/2024 3:03 PM
 Saved By: WOLFEMT
 File: C:\pwworking\hdr_sites_reservoir\dm24131\STS-1790-R-2103.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



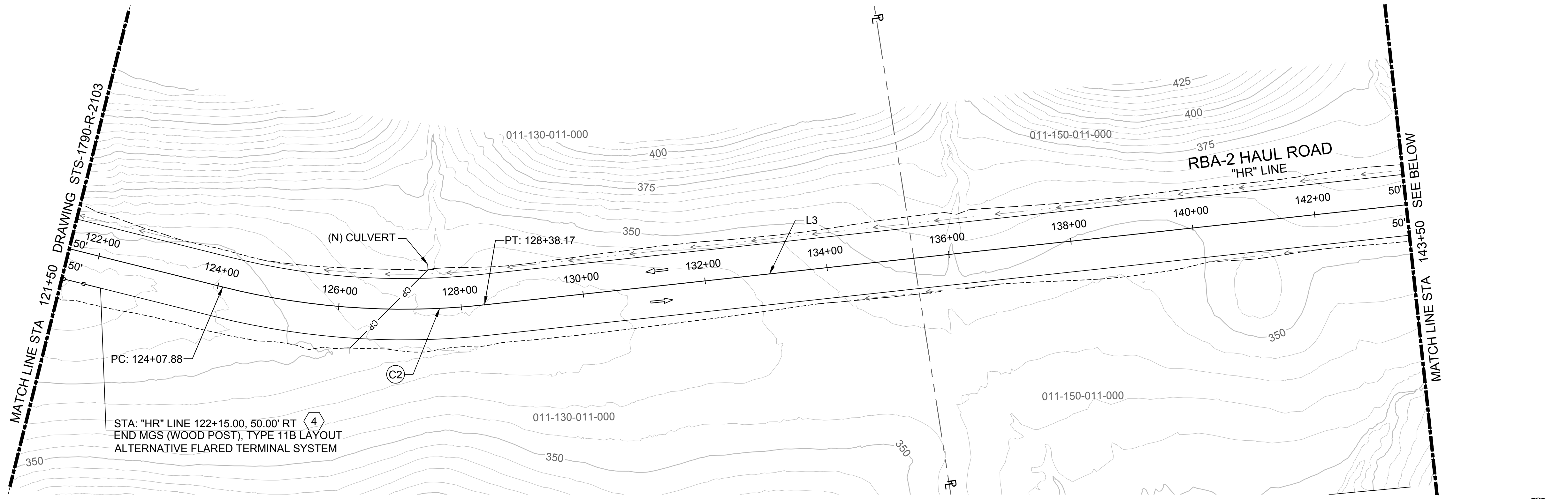
REGISTERED PROFESSIONAL ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



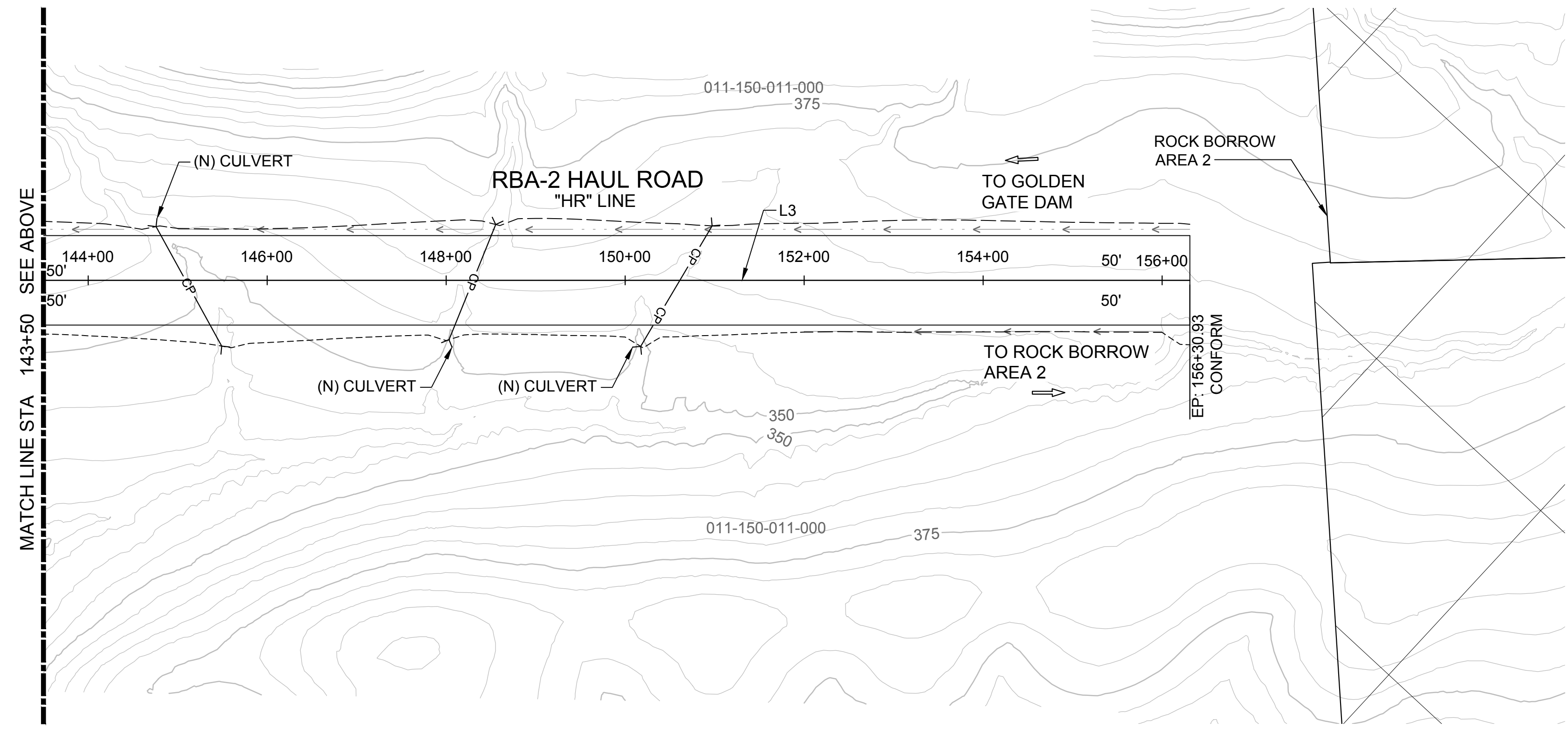
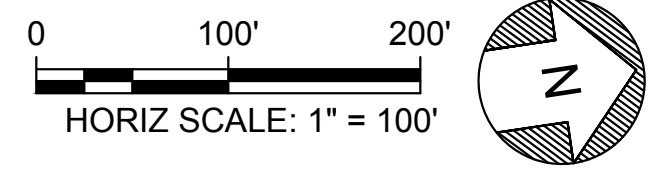
SITES RESERVOIR
 SITES RESERVOIR ROADWAY
 MATERIALS HAUL ROAD/RBA-2 HAUL ROAD
 PLAN

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
	0 100' 200' 1"
DRAWING NO.	STS-1790-R-2103
SHT	OF

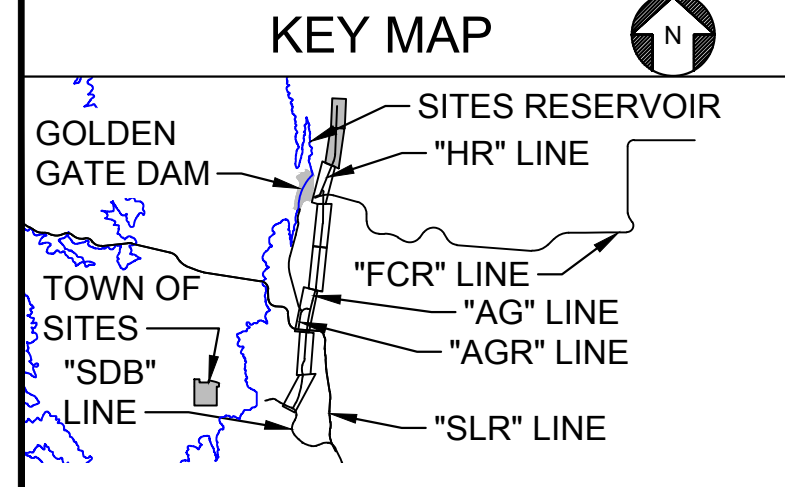
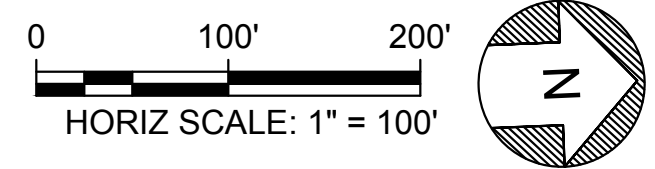
30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN
HORIZ SCALE: 1" = 100'



PLAN
HORIZ SCALE: 1" = 100'



Plot Date: 3/20/2024 3:11 PM
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 File: C:\pwworking\hdr_sites_reservoir\dmso2413\STS-1790-R-2104.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED
 PROFESSIONAL
 ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



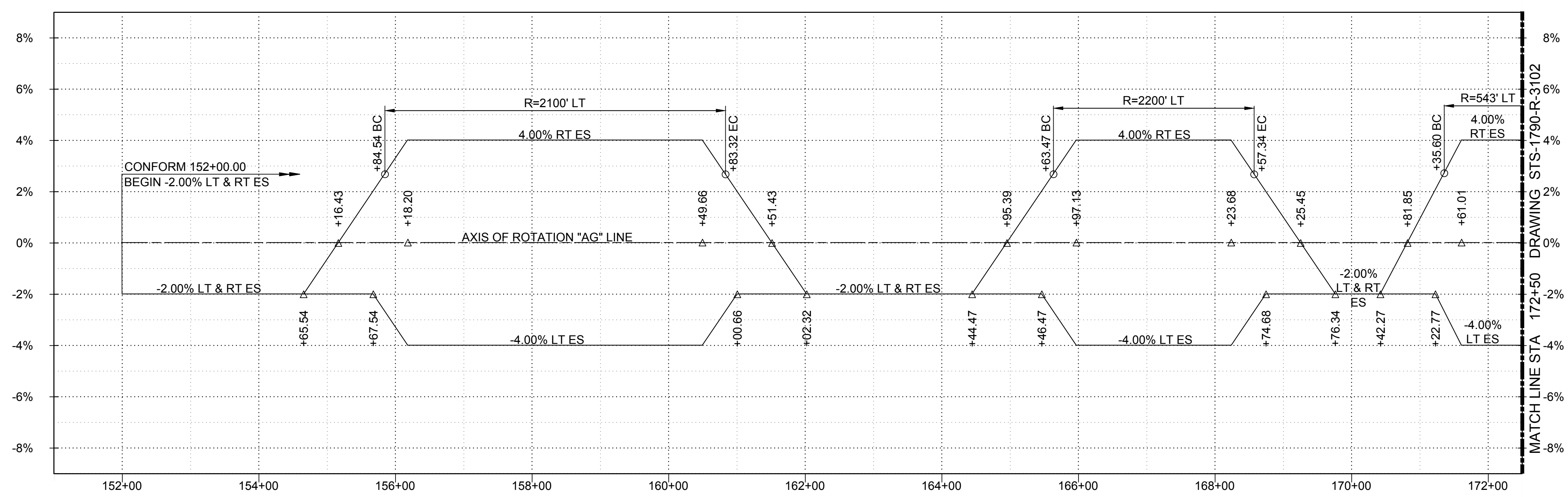
SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 RBA-2 HAUL ROAD
 PLAN

VERIFY SCALES
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 DRAWING. ADJUST SCALES FOR
 REDUCED PLOTS
 0 100 200 1"
 DRAWING NO.
 STS-1790-R-2104
 SHT OF

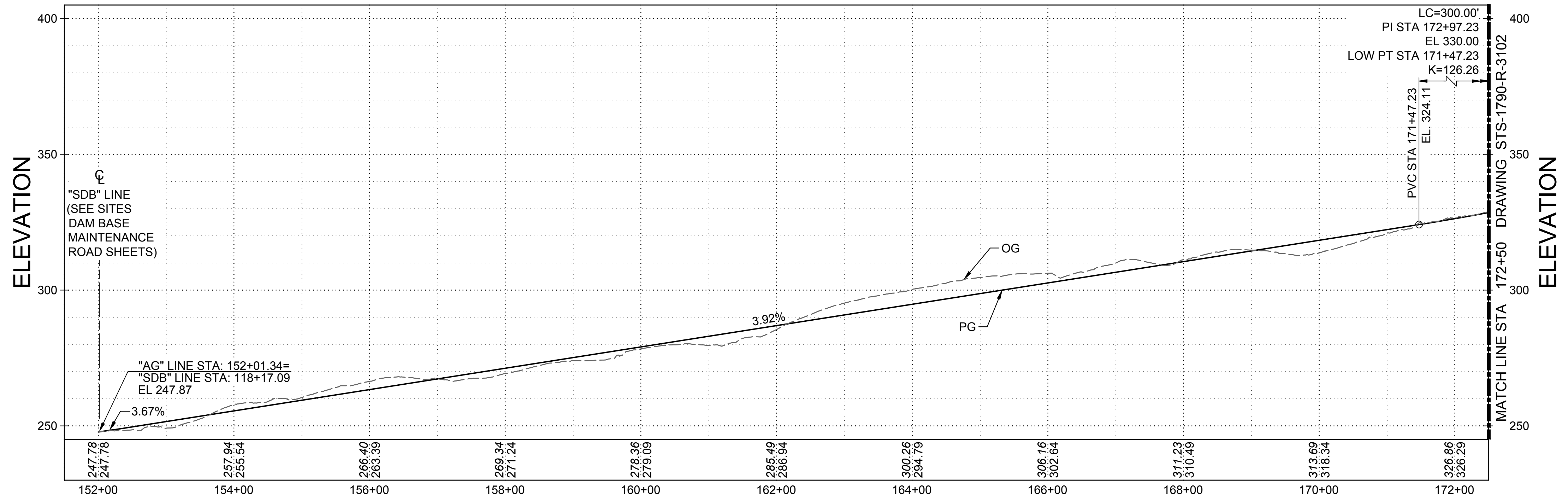
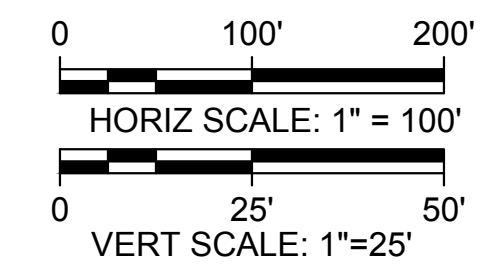
30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

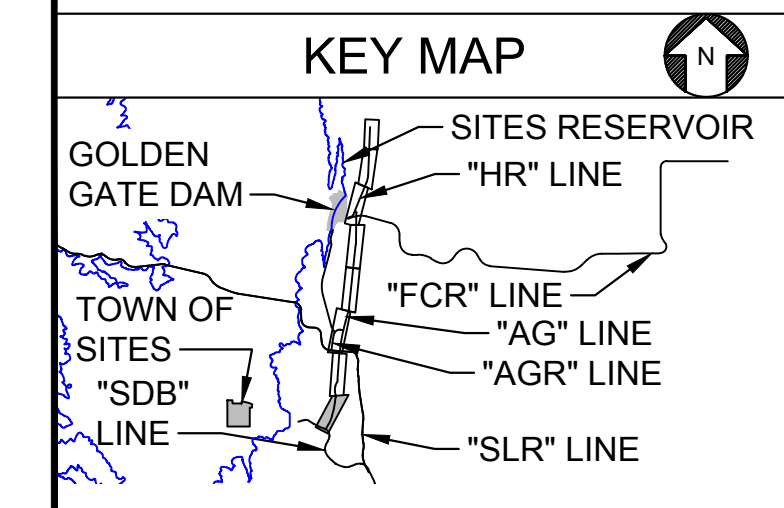
1. PROFILES WILL BE ADJUSTED DURING 60% DESIGN TO OPTIMIZE THE CUT & FILL VOLUMES AND TO ACCOMMODATE ANIMAL CROSSINGS.
2. FINAL LIMITS OF BRIDGE AND FILL PRISM TO BE DETERMINED BASED ON GEOTECHNICAL FINDINGS AND RECOMMENDATIONS.
3. SUPERELEVATION DESIGN KEY CONSIDERATIONS FOR ROADWAY RUNOFF, DRAINAGE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



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/20/2024 3:26 PM
 Saved By: WOLFEMT
 File: C:\pwworking\hdr_sites_reservoir\dms02413\STS-1790-R-3101.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



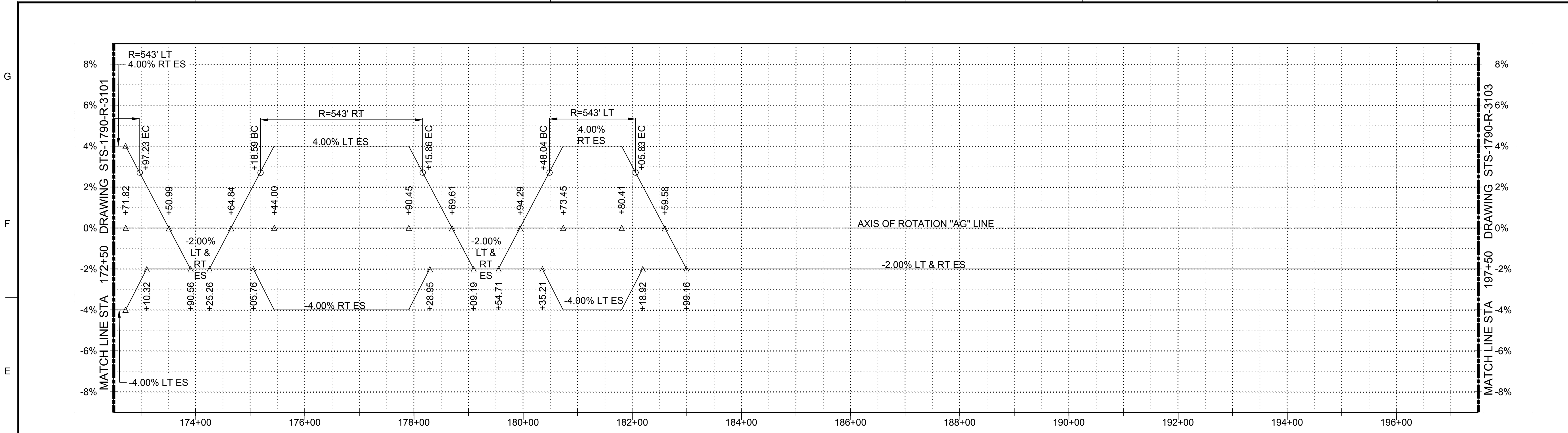
REGISTERED
 PROFESSIONAL
 ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



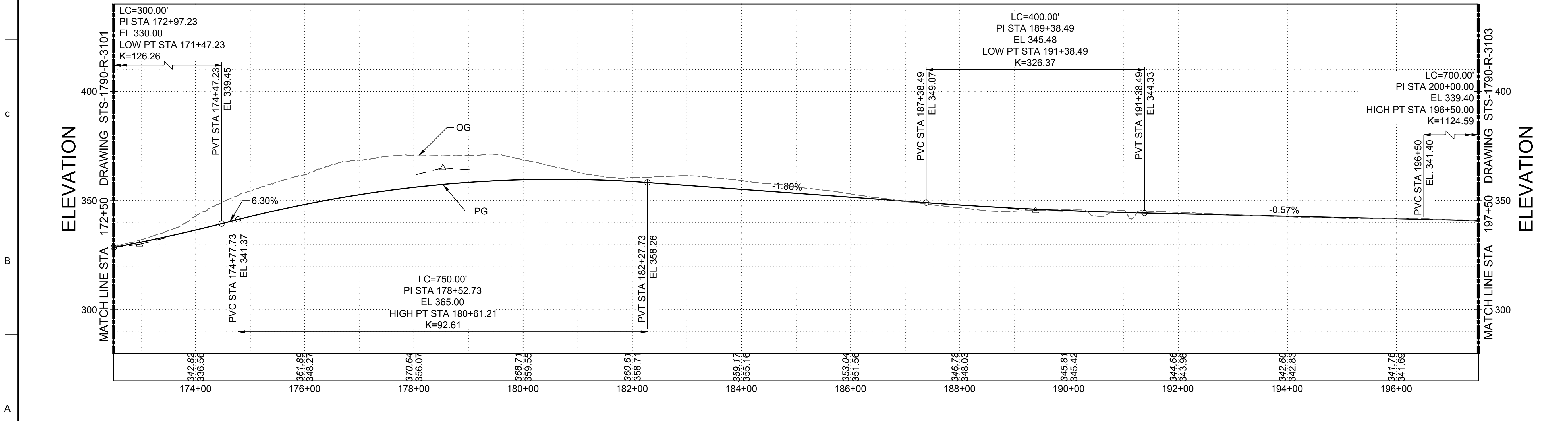
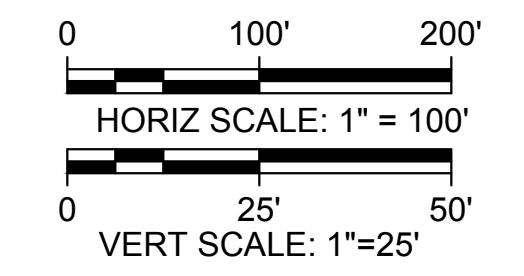
SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 MATERIALS HAUL ROAD
 SUPERELEVATION AND PROFILE

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
 0 1"
 DRAWING NO.
 STS-1790-R-3101
 SHT OF

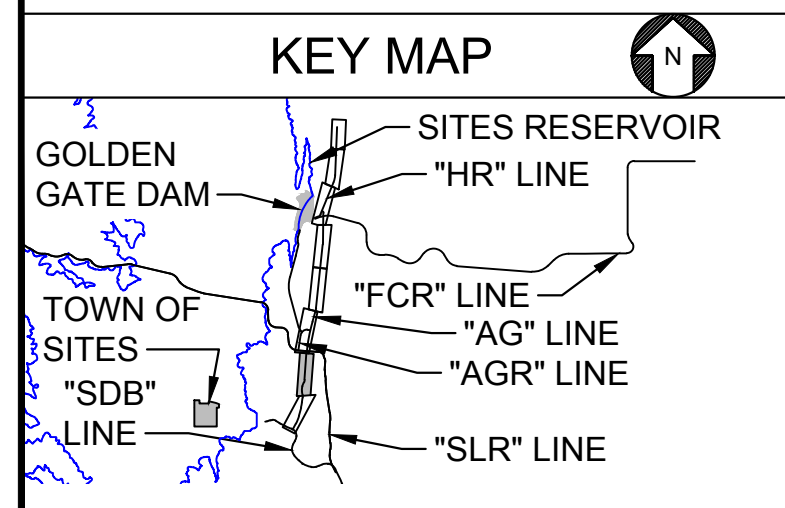
30% SUBMITTAL - NOT FOR CONSTRUCTION



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/19/2024 5:18 PM
 Saved By: KRRIKORIAN
 File: C:\pwworking\hdr_sites_reservoir\dmsh02413\STS-1790-R-3102.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: M. WOLFE
 DRAWN BY: E. KRRIKORIAN
 CHECKED BY: A. GLEN
 IN CHARGE: H. MICHAEL
 DATE: 03/15/24



REGISTERED PROFESSIONAL ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA

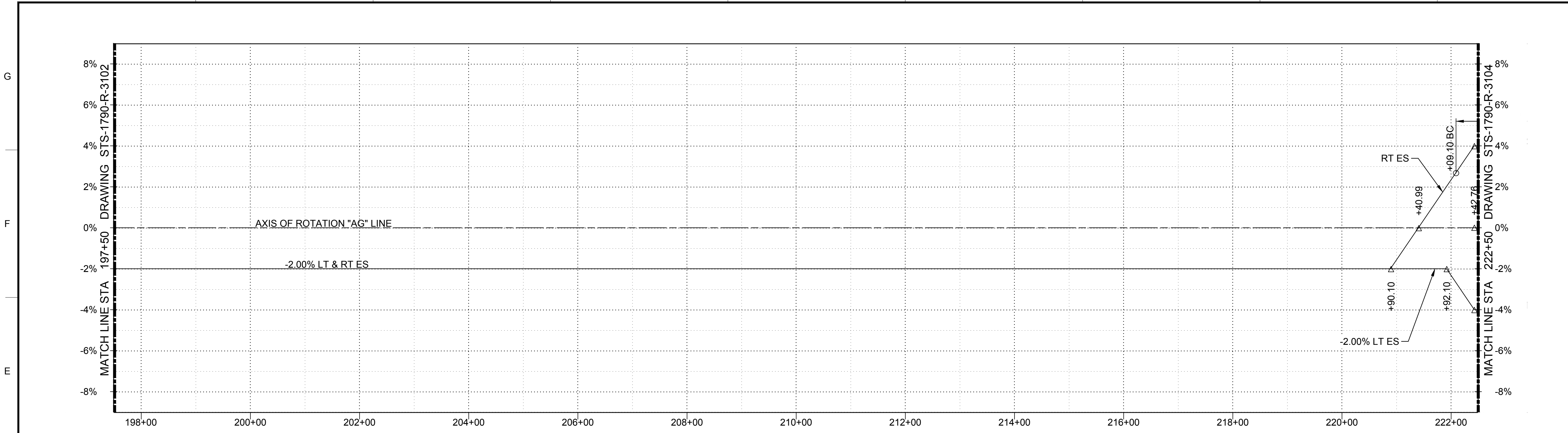


SITES RESERVOIR
 SITES RESERVOIR ROADWAY
 MATERIALS HAUL ROAD
 SUPERELEVATION AND PROFILE

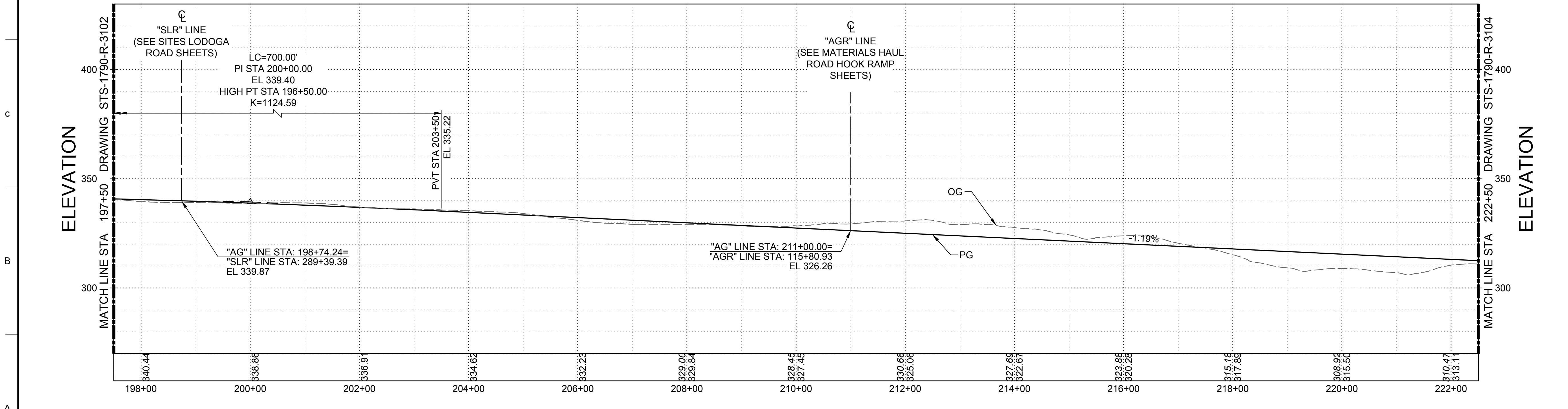
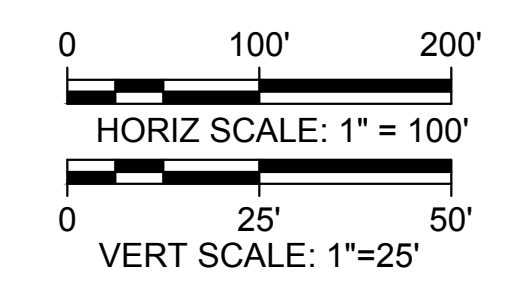
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
 0 1"

DRAWING NO. STS-1790-R-3102
 SHT OF

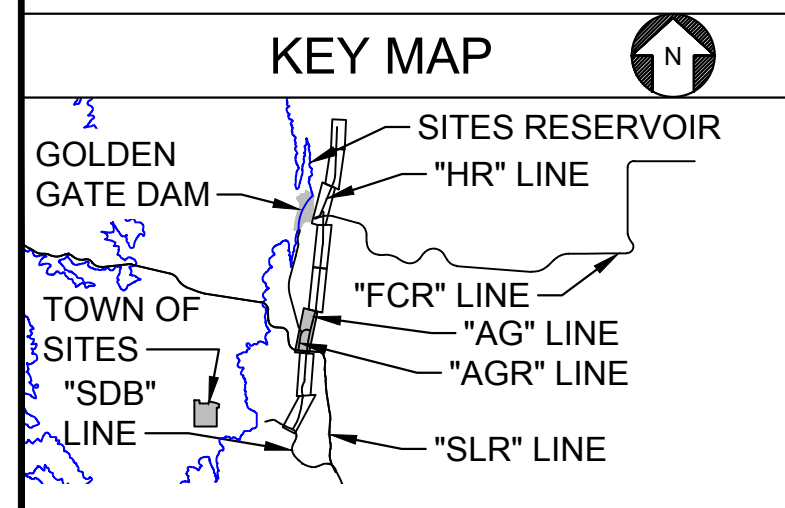
30% SUBMITTAL - NOT FOR CONSTRUCTION



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/19/2024 9:24 PM
 Saved By: KRKORIANE
 File: C:\pwworking\hdr_sites_reservoir\dmso2413\STS-1790-R-3103.dwg

DESIGNED BY:	M. WOLFE
DRAWN BY:	E. KRKORIAN
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24



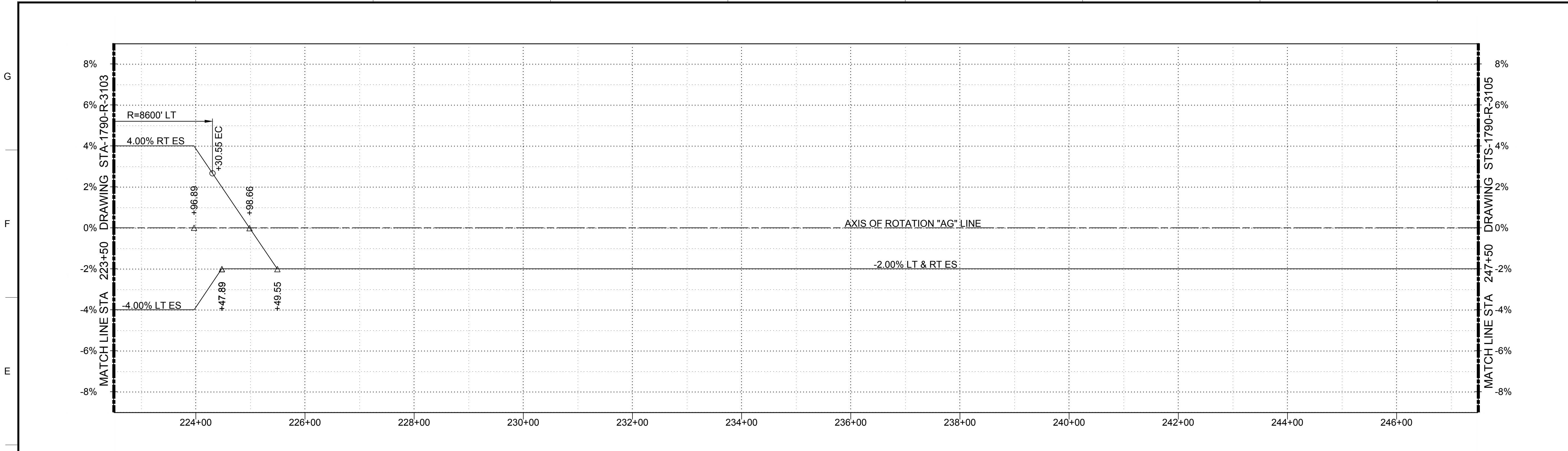
REGISTERED
 PROFESSIONAL
 ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



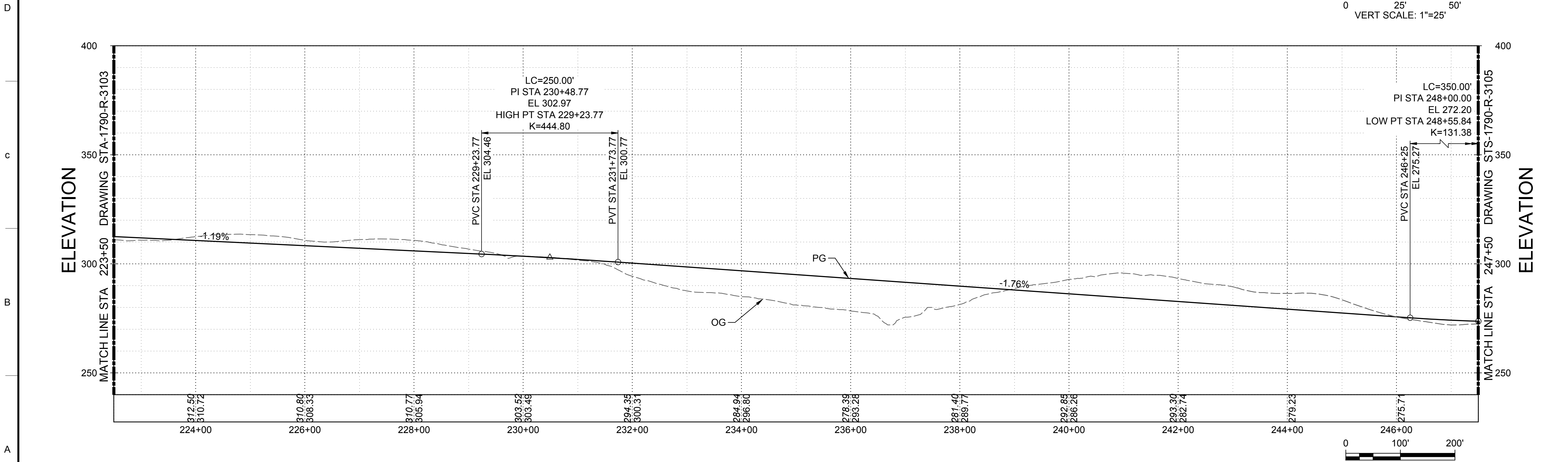
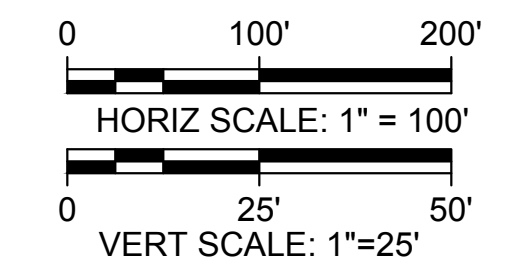
SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 MATERIALS HAUL ROAD
 SUPERELEVATION AND PROFILE

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
DRAWING NO.	STS-1790-R-3103
SHT	OF

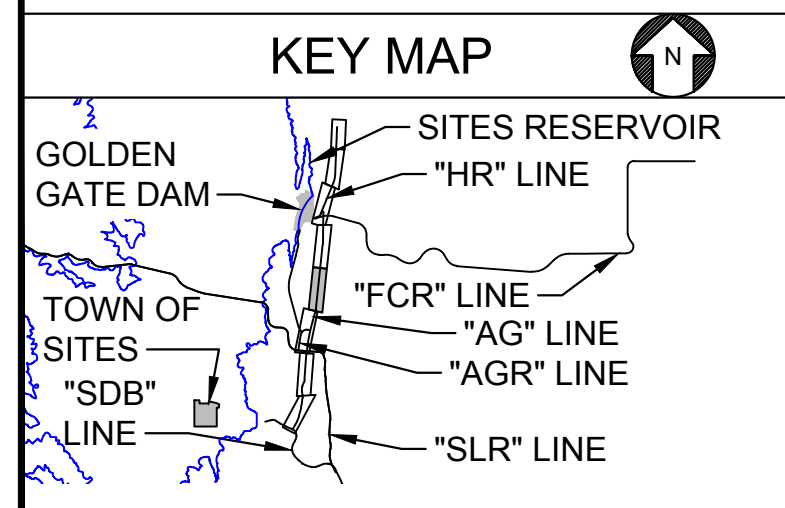
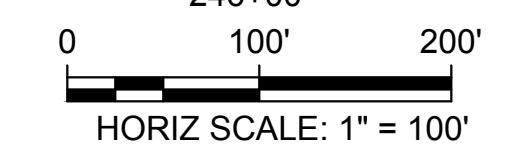
30% SUBMITTAL - NOT FOR CONSTRUCTION



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/19/2024 5:41 PM
 Saved By: KRRIKORIAN
 File: C:\pwworking\hdr_sites_reservoir\dmsh02419\STS-1790-R-3104.dwg

DESIGNED BY:	M. WOLFE
DRAWN BY:	E. KRRIKORIAN
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

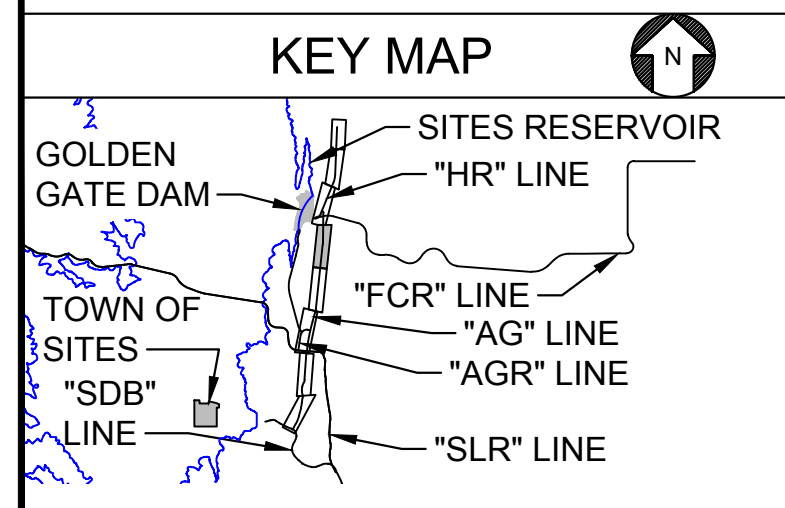
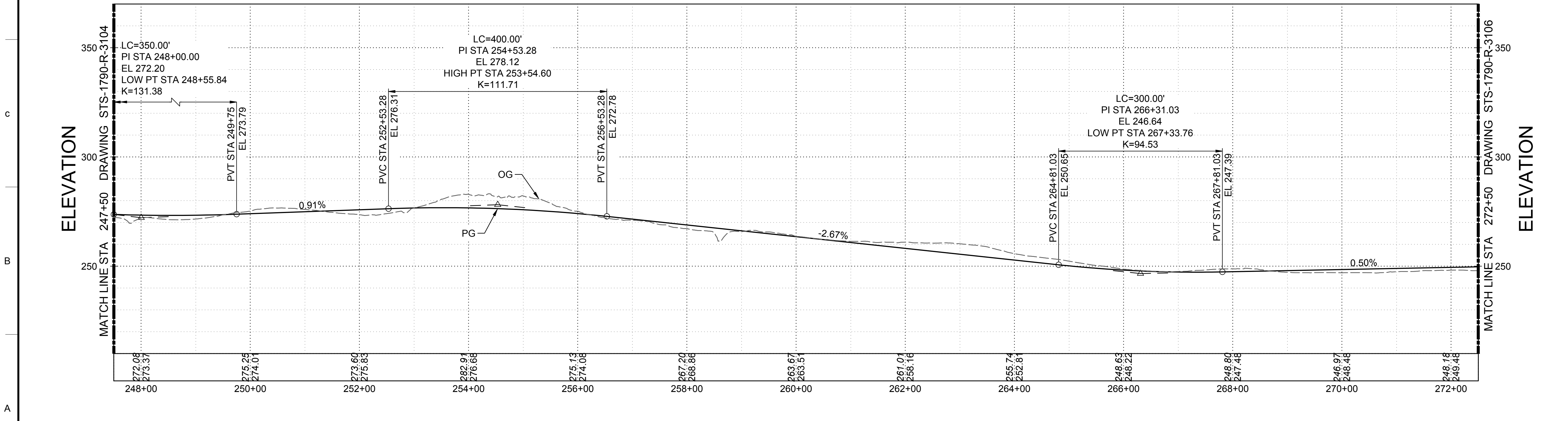
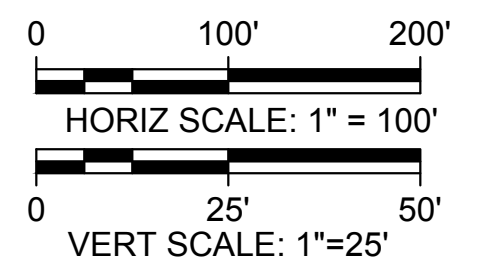
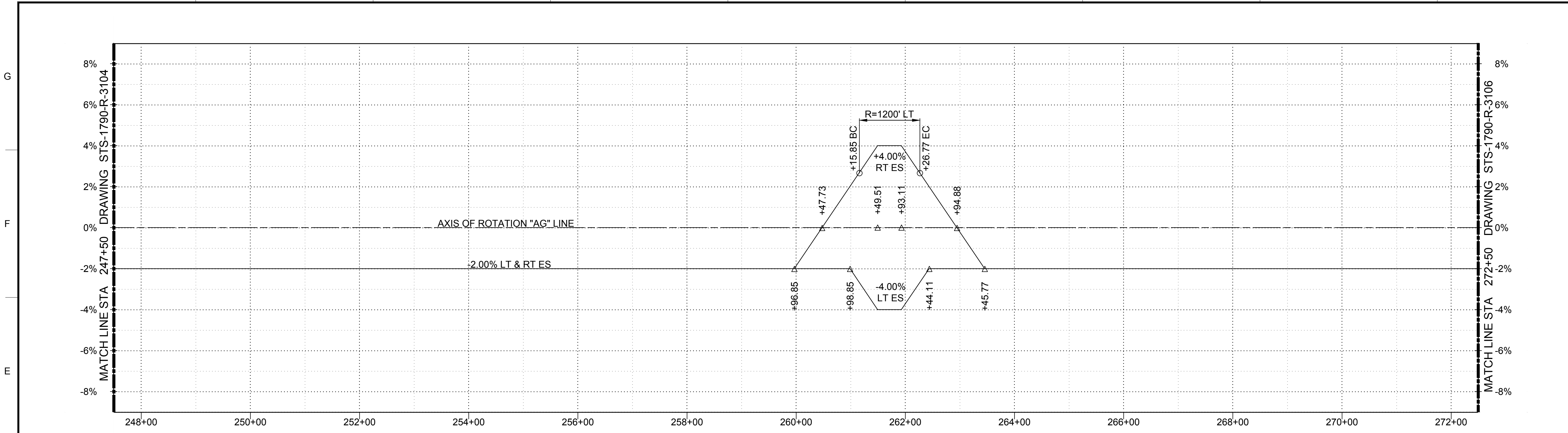
REGISTERED
 PROFESSIONAL
 ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 MATERIALS HAUL ROAD
 SUPERELEVATION AND PROFILE

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS.
DRAWING NO.	STS-1790-R-3104
SHT	OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



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REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: M. WOLFE
 DRAWN BY: E. KRRIKORIAN
 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

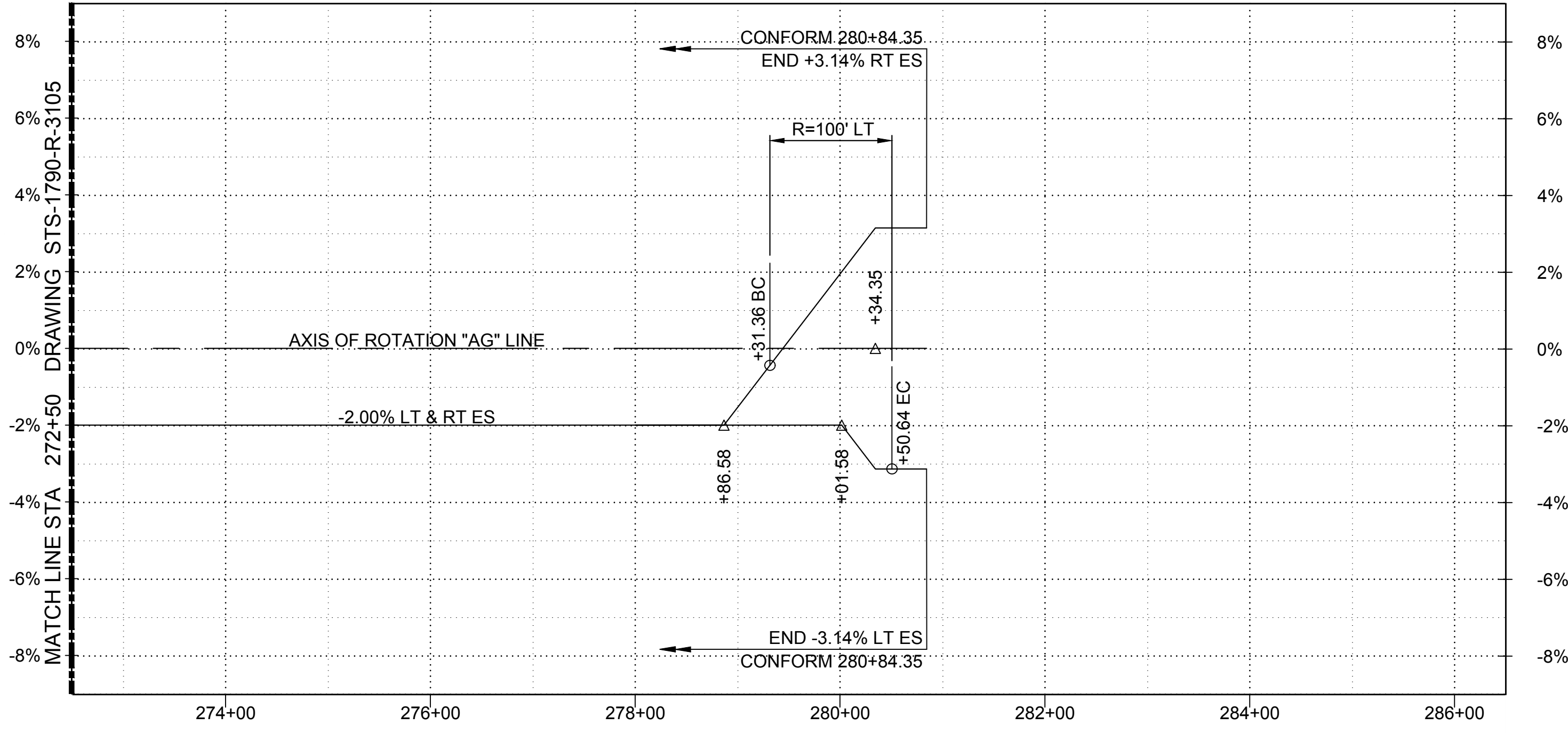


SITES RESERVOIR
 SITES RESERVOIR
 ROADWAY
 MATERIALS HAUL ROAD
 SUPERELEVATION AND PROFILE

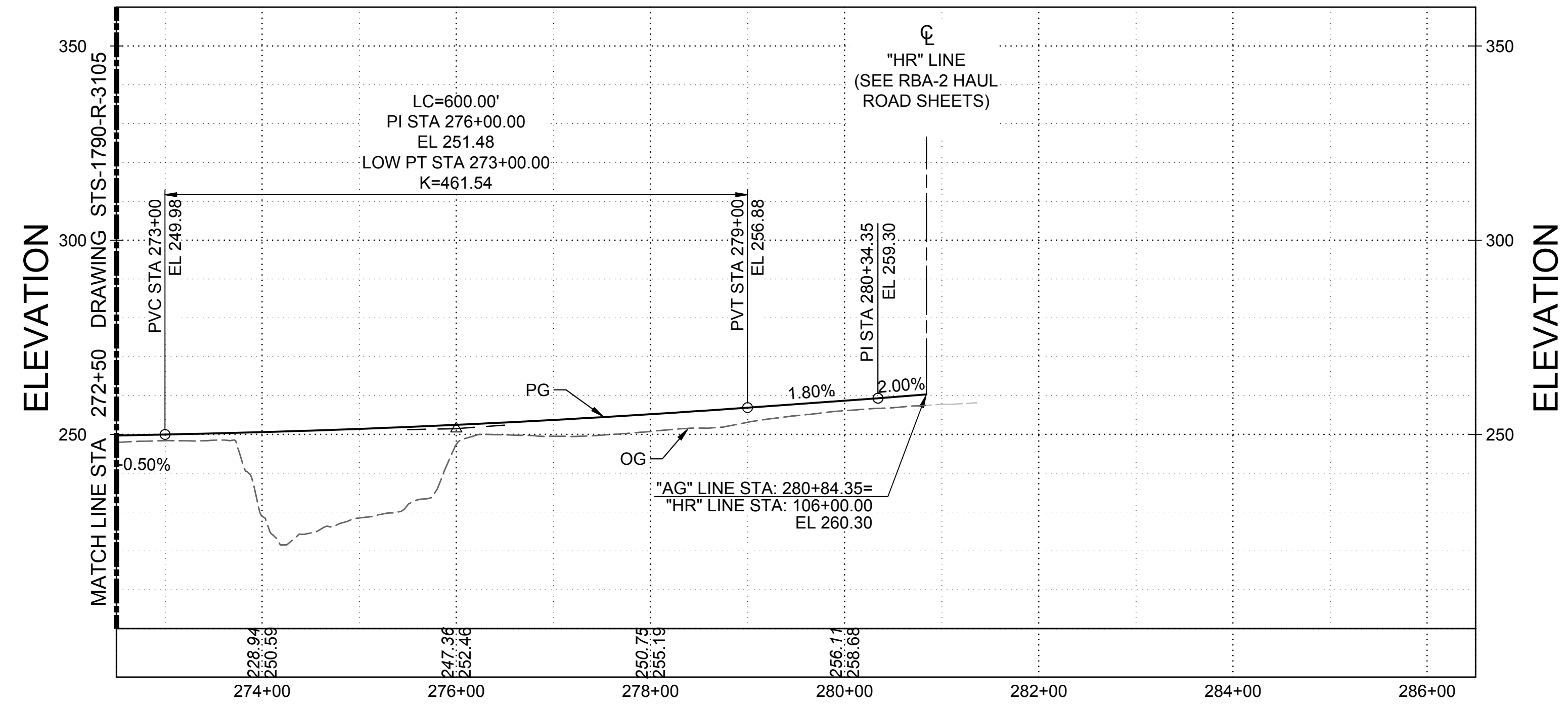
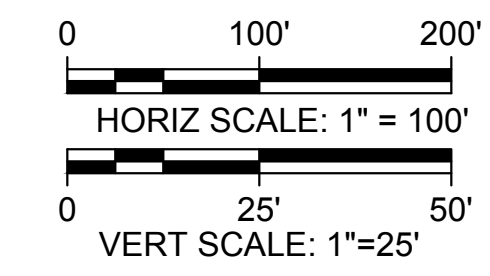
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 STS-1790-R-3105
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

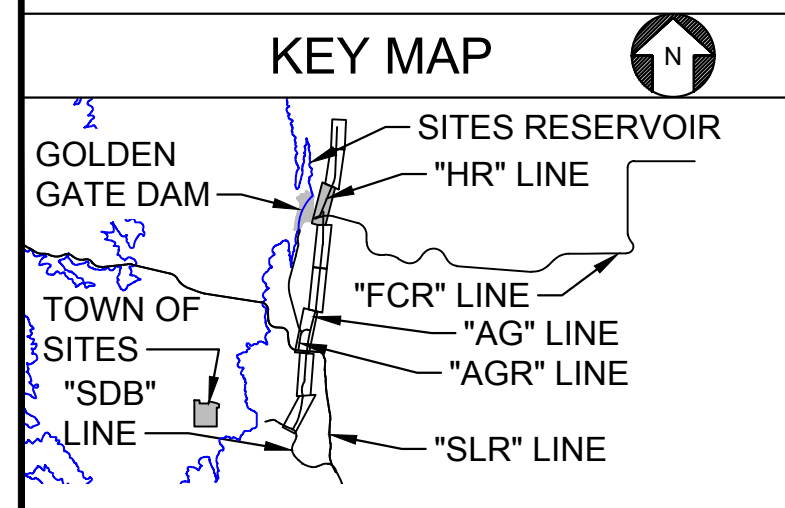
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SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/20/2024 3:42 PM
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REV	DATE	BY	CHK	APPR	DESCRIPTION

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



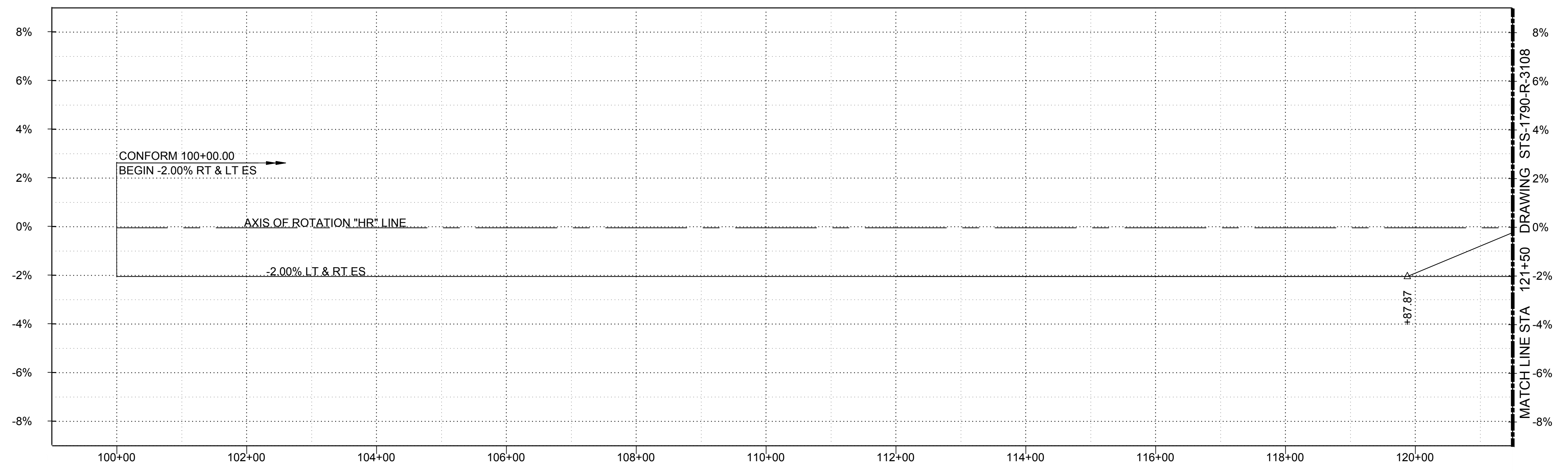
REGISTERED PROFESSIONAL ENGINEER
V. DOCTORO
C78231
CALIFORNIA



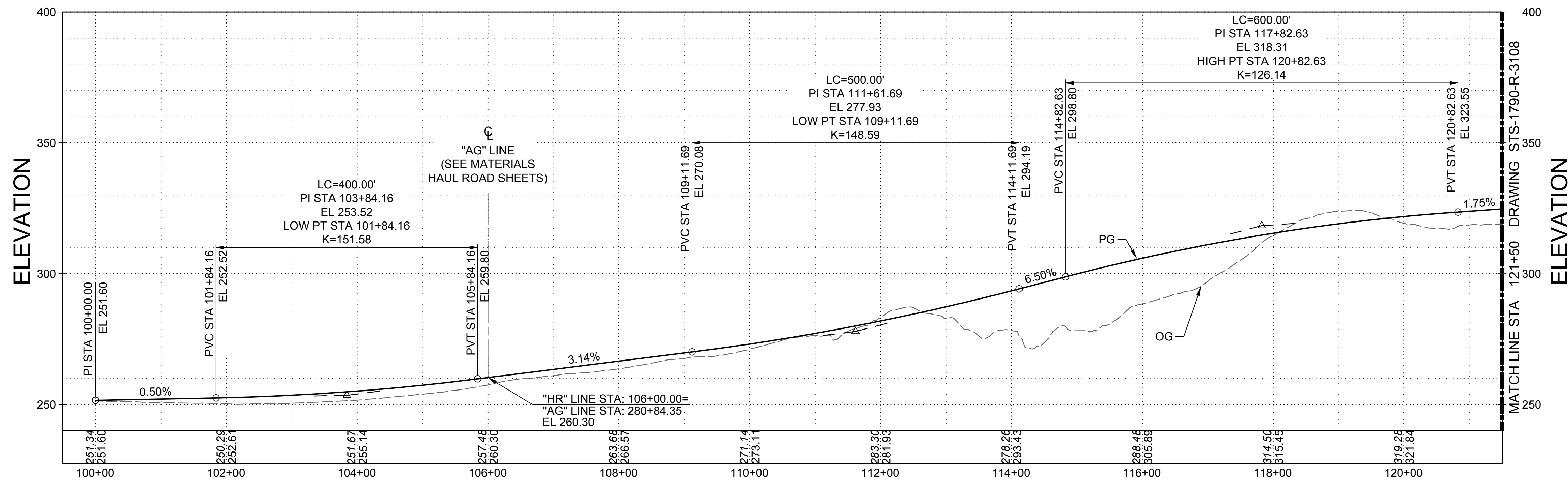
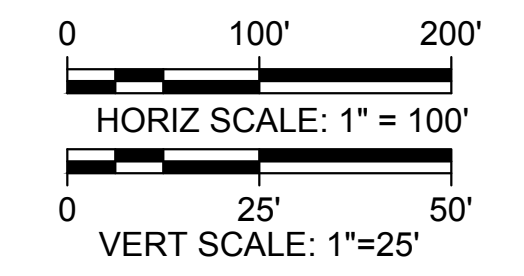
SITES RESERVOIR
SITES RESERVOIR ROADWAY
MATERIALS HAUL ROAD
SUPERELEVATION AND PROFILE

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DRAWING NO.	STS-1790-R-3106
SHT	OF

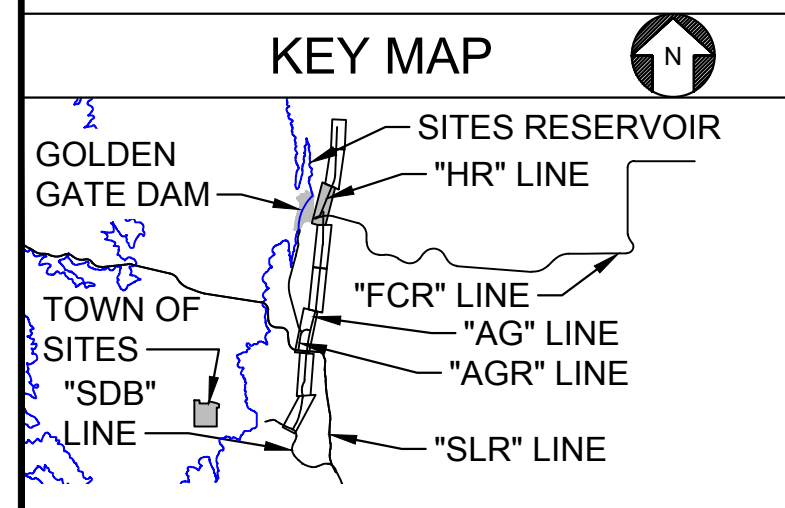
30% SUBMITTAL - NOT FOR CONSTRUCTION



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



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REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: M. WOLFE
 DRAWN BY: E. KRRIKORIAN
 CHECKED BY: A. GLEN
 IN CHARGE: H. MICHAEL
 DATE: 03/15/24



REGISTERED PROFESSIONAL ENGINEER
 V. DOCTORO
 C78231
 CALIFORNIA



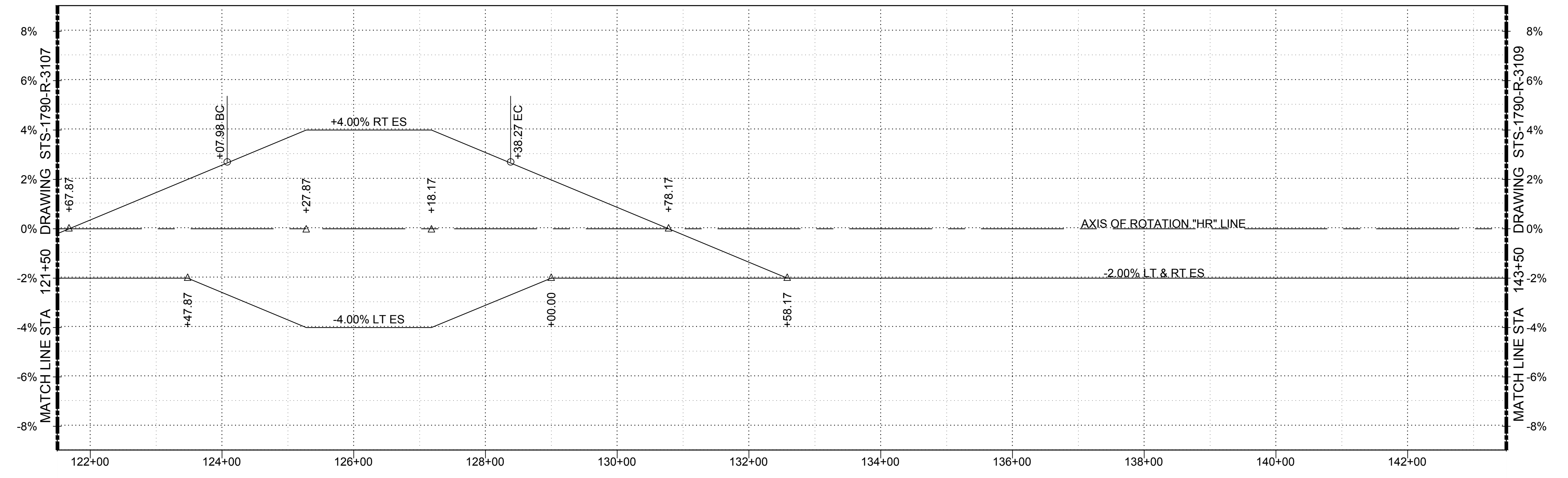
SITES RESERVOIR
 SITES RESERVOIR ROADWAY
 RBA-2 HAUL ROAD
 SUPERELEVATION AND PROFILE

VERIFY SCALES
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 0 1"

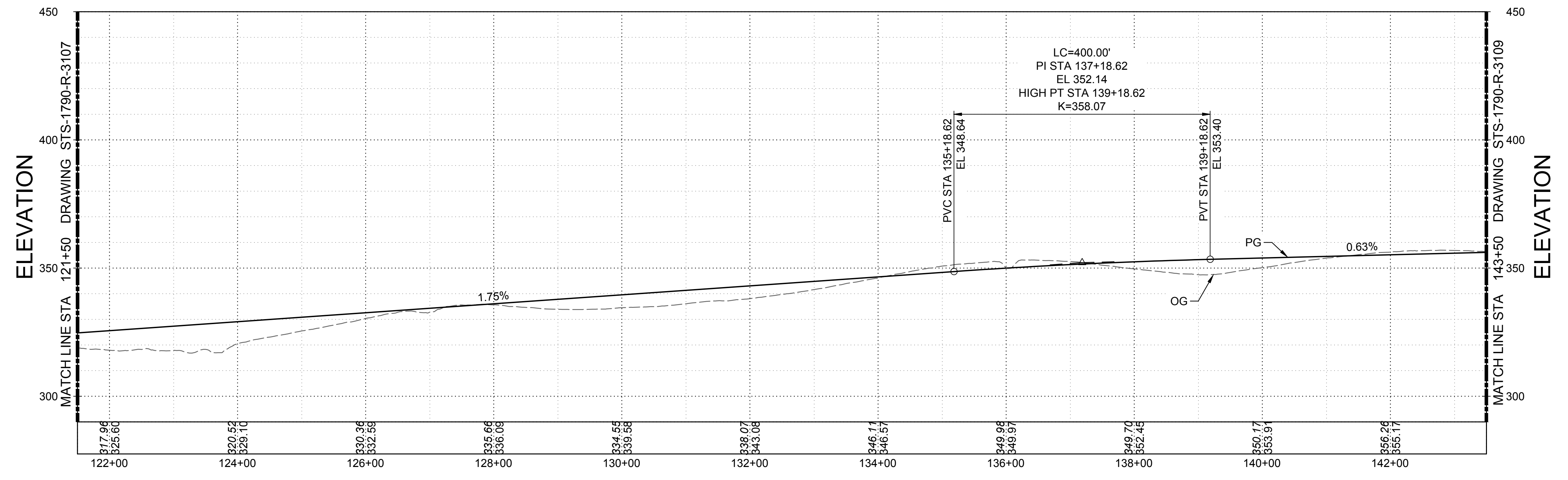
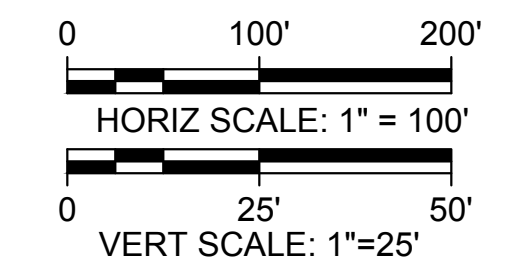
DRAWING NO. STS-1790-R-3107
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

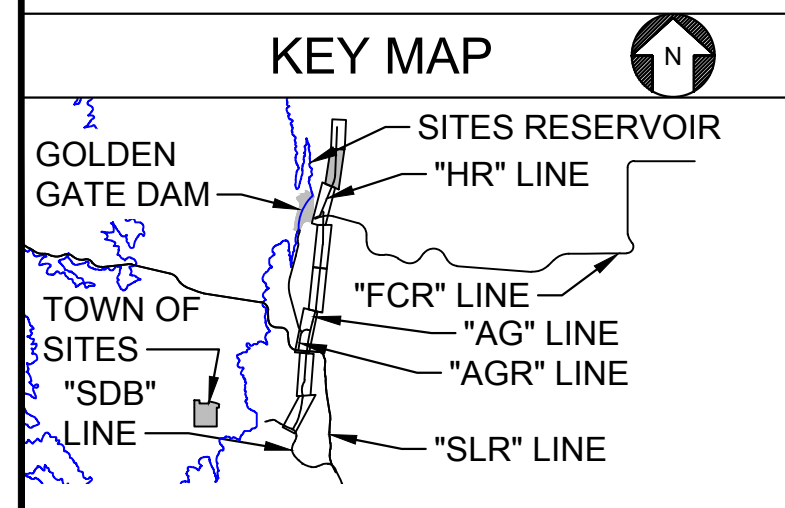
G
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SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/19/2024 9:56 PM
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REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:
M. WOLFE
DRAWN BY:
E. KRRIKORIAN
CHECKED BY:
A. GLEN
IN CHARGE:
H. MICHAEL
DATE:
03/15/24



REGISTERED
PROFESSIONAL
ENGINEER
V. DOCTORO
C78231
CALIFORNIA

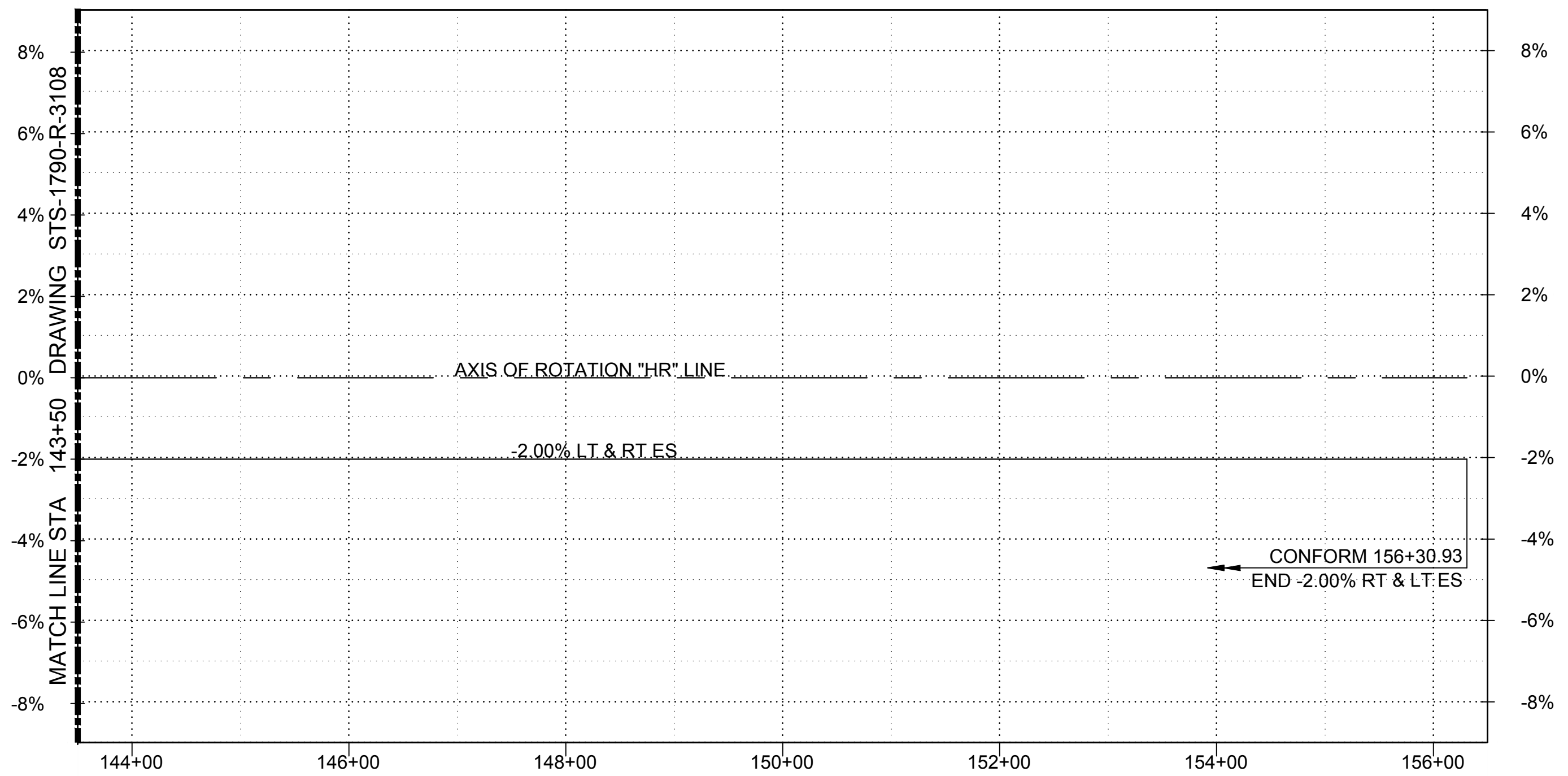


SITES RESERVOIR
SITES RESERVOIR
ROADWAY
RBA-2 HAUL ROAD
SUPERELEVATION AND PROFILE

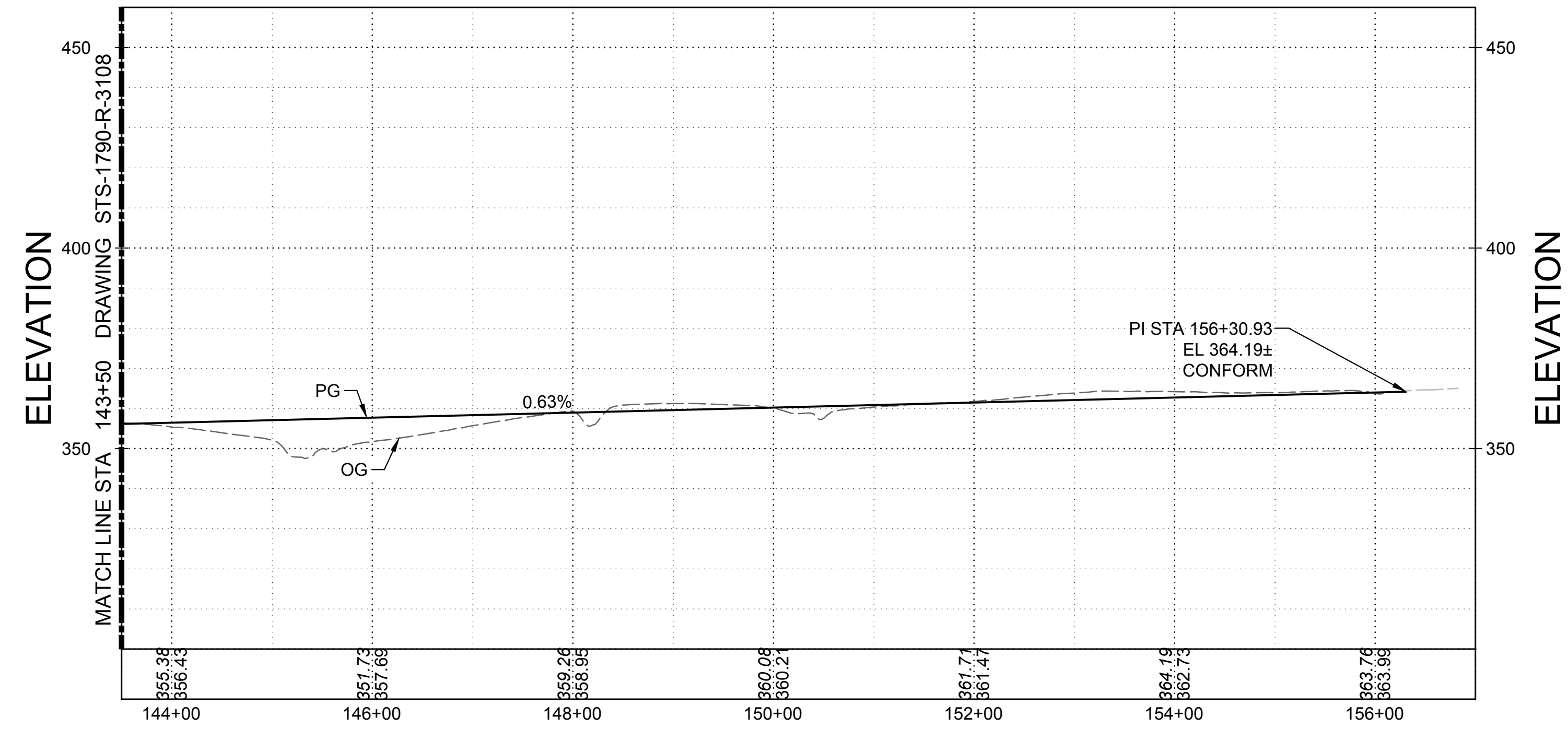
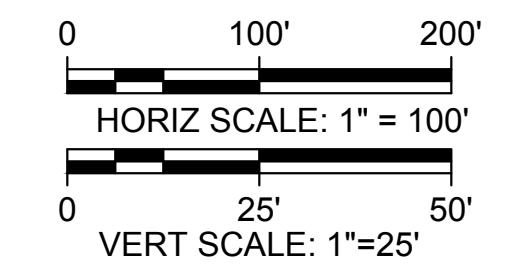
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DRAWING NO.
STS-1790-R-3108
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

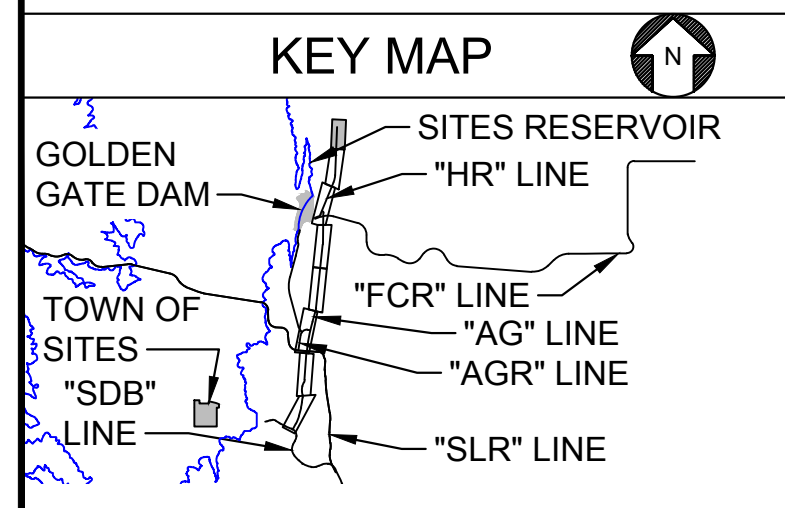
G
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SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/19/2024 9:05 PM
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REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	M. WOLFE
DRAWN BY:	E. KRKORIAN
CHECKED BY:	A. GLEN
IN CHARGE:	H. MICHAEL
DATE:	03/15/24



REGISTERED
PROFESSIONAL
ENGINEER
V. DOCTORO
C78231
CALIFORNIA

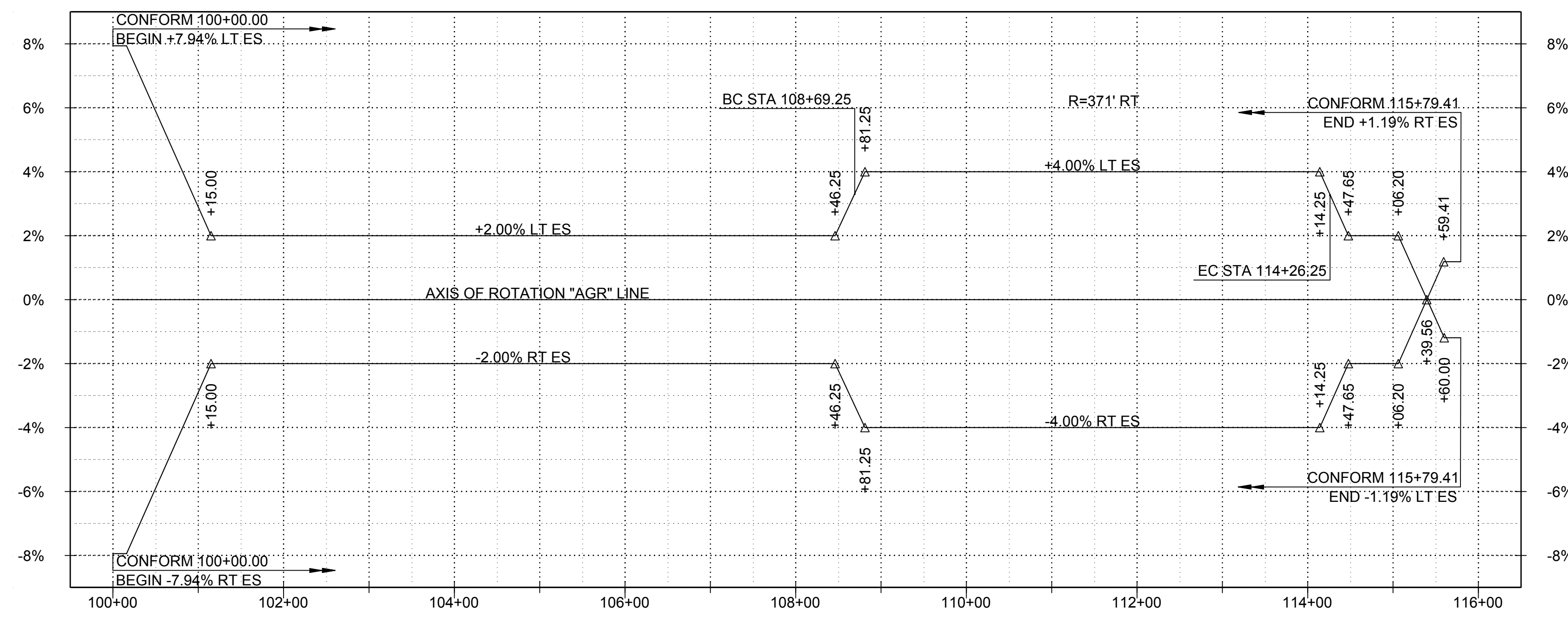


SITES RESERVOIR
SITES RESERVOIR
ROADWAY
RBA-2 HAUL ROAD
SUPERELEVATION AND PROFILE

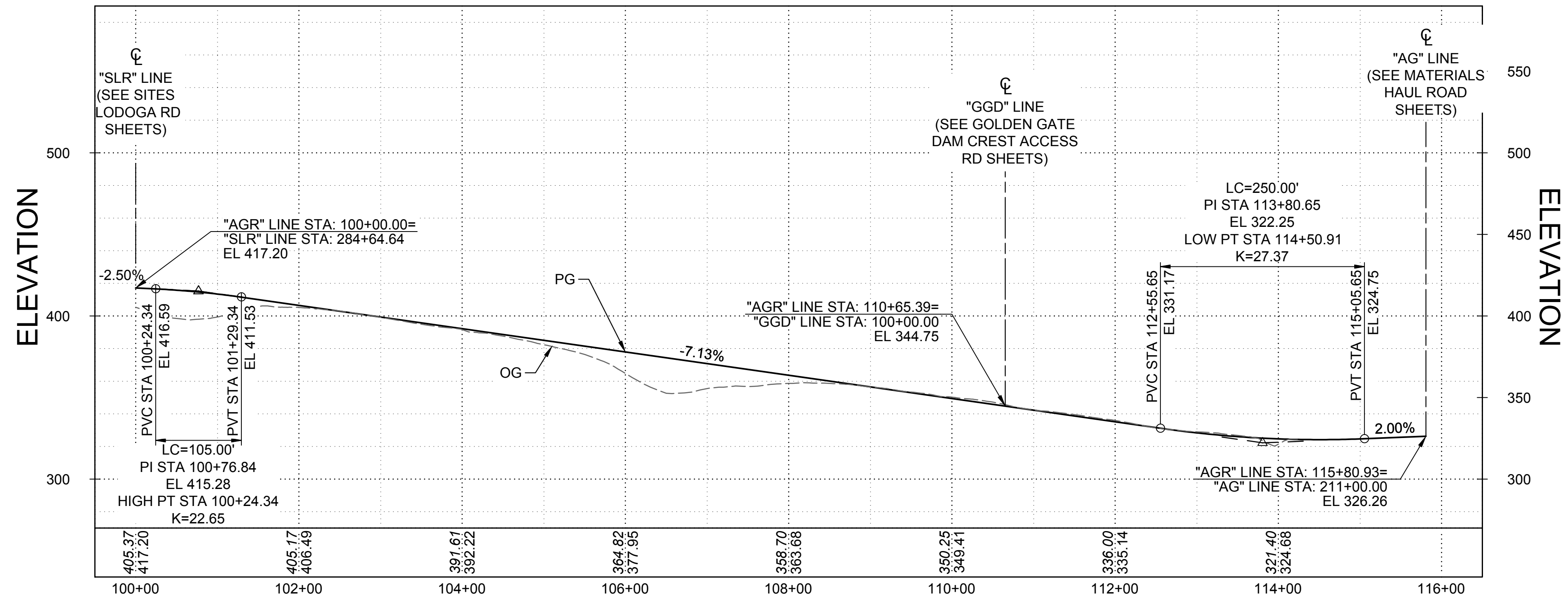
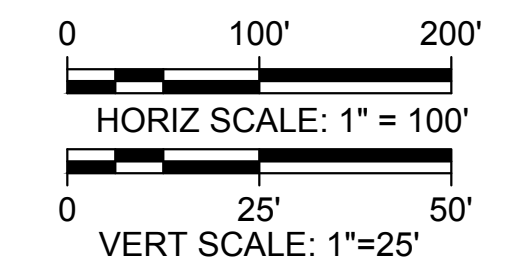
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DRAWING NO.	STS-1790-R-3109
SHT	OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

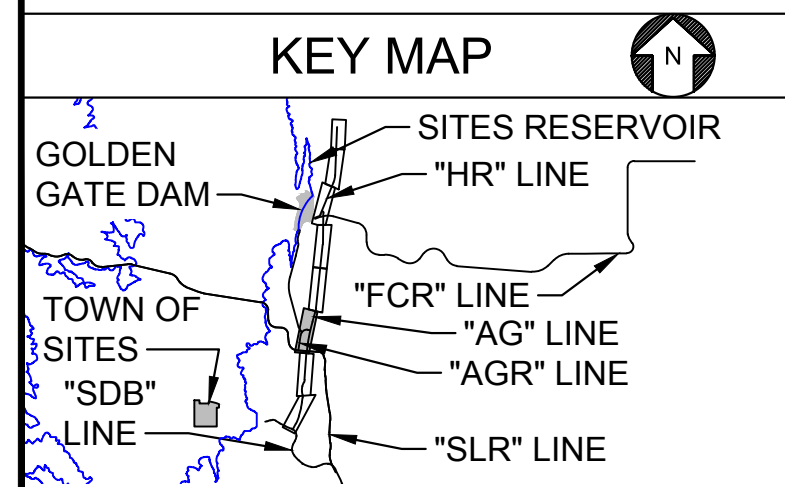
G
F
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D
C
B
A



SUPERELEVATION DIAGRAM
HORIZ SCALE: 1" = 100'



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



Plot Date: 3/19/2024 9:14 PM
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REV	DATE	BY	CHK	APPR	DESCRIPTION

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



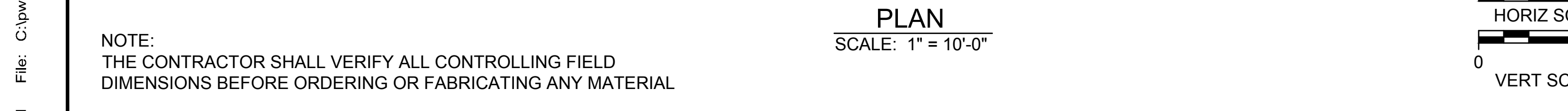
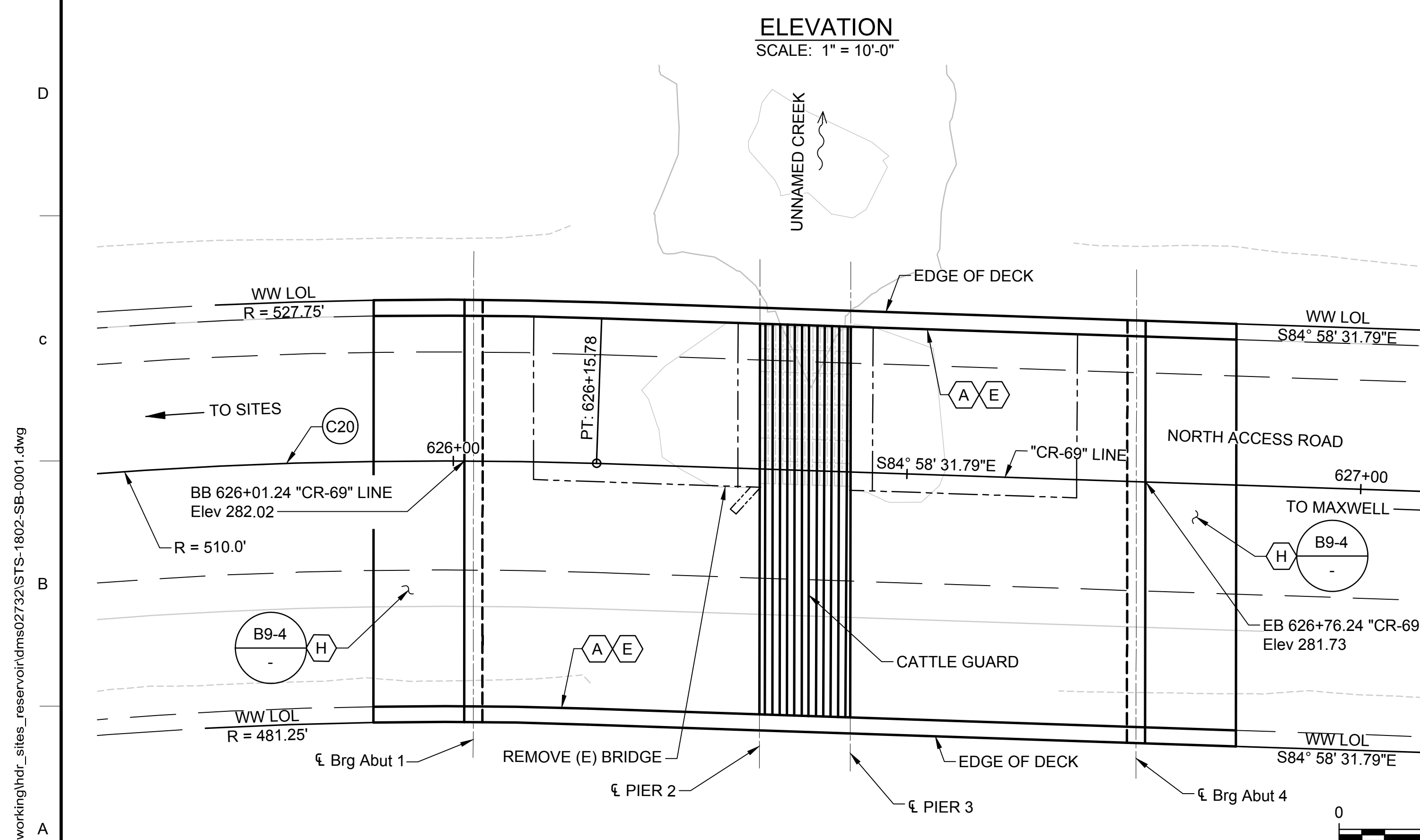
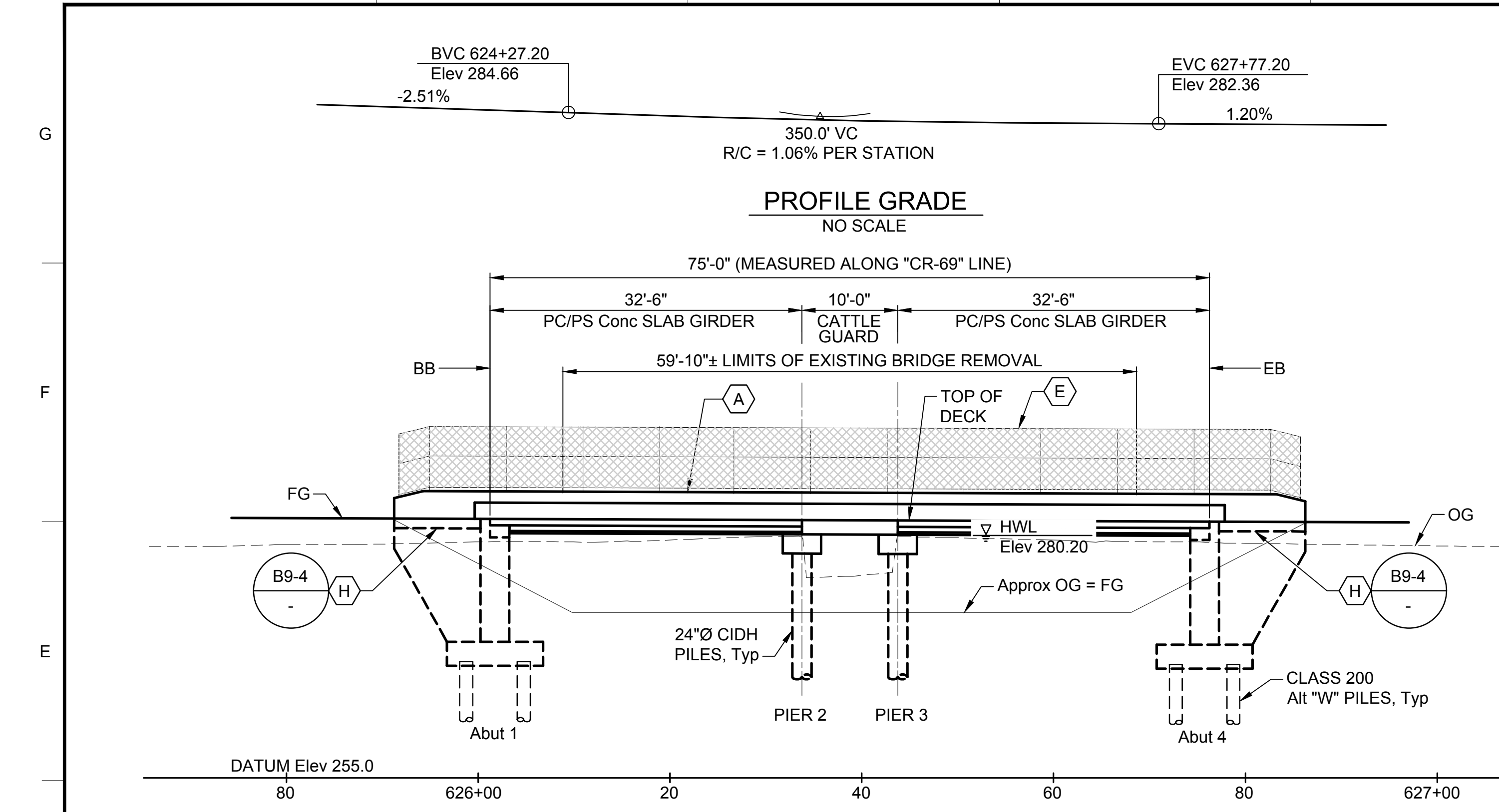
REGISTERED PROFESSIONAL ENGINEER
V. DOCTORO
C78231
CALIFORNIA



SITES RESERVOIR
SITES RESERVOIR ROADWAY
MATERIALS HAUL ROAD HOOK RAMP
SUPERELEVATION AND PROFILE

VERIFY SCALES
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DRAWING NO.
STS-1790-R-3110
SHT OF

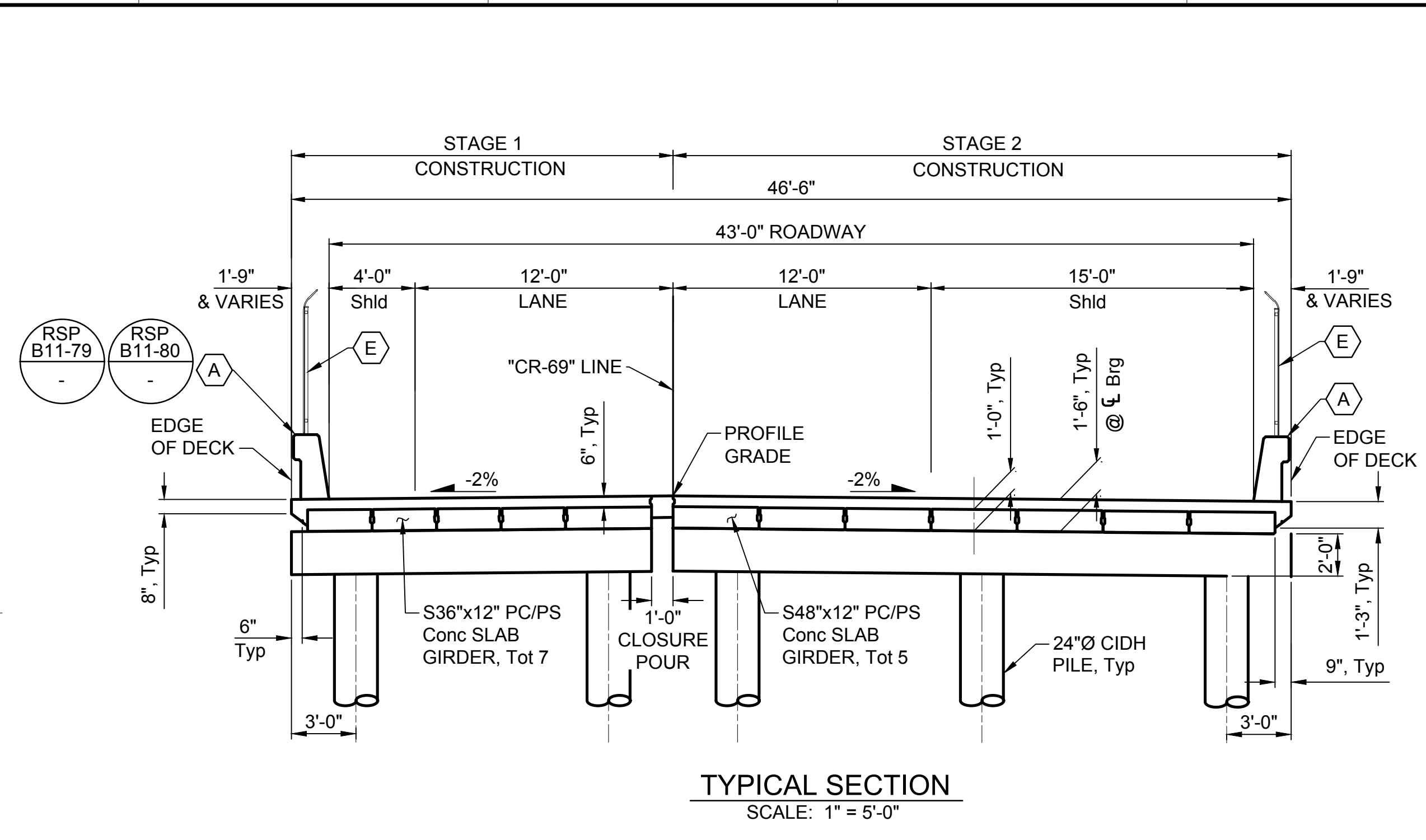
30% SUBMITTAL - NOT FOR CONSTRUCTION



NOTE: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

DESIGNED BY:	K. LEE
DRAWN BY:	C. TU
CHECKED BY:	X. XXXXXXXX
IN CHARGE:	X. XXXXXXXX
DATE:	XX/XX/XX

REGISTRATION NO.	XXXX XXXXXXXX
REGISTERED PROFESSIONAL ENGINEER	#####
CALIFORNIA	



INDEX TO PLANS

SHEET NO.	TITLE
01	GENERAL PLAN
02	FOUNDATION PLAN

LEGEND:

- DIRECTION OF FLOW
- EXISTING STRUCTURE
- HIGH WATER LEVEL

GENERAL NOTES

LOAD AND RESISTANCE FACTOR DESIGN

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

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

DEAD LOAD: INCLUDES 35 PSF FOR FUTURE WEARING SURFACE. THE DECK LOAD BETWEEN THE GIRDERS HAS BEEN INCREASED BY A FACTOR OF 10% TO ALLOW FOR THE USE OF STEEL DECK FORMS.

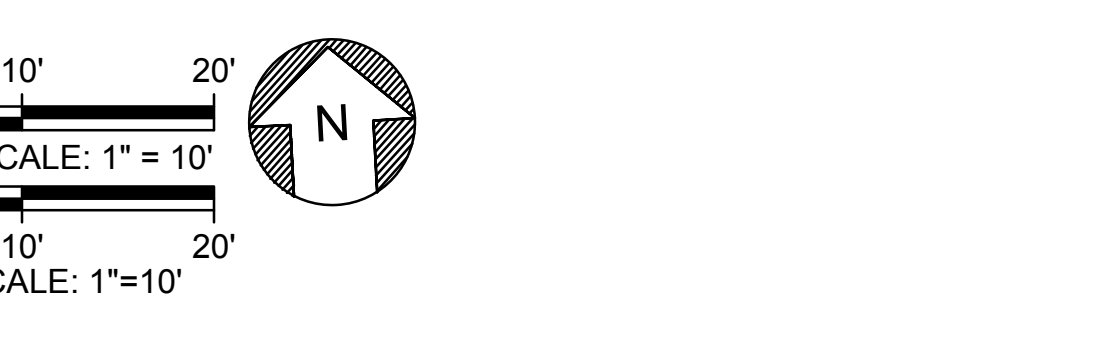
LIVE LOAD: HL93 AND PERMIT DESIGN LOAD.

FREEBOARD: 1. DESIGN FLOOD (Q50): > 1 FT
2. BASE FLOOD (Q100): > 0 FT

SEISMIC LOADING: SOIL PROFILE: Vs30 = 700 m/sec
MOMENT MAGNITUDE: Mmax = 6.89
PEAK GROUND ACCELERATION: 0.29 g

CURVE DATA TABLE

CURVE #	R	Δ	T	L
C20	510'	24°15'35"	109.61'	215.94'



REINFORCED CONCRETE:
fy = 60 ksi
fc = 4 ksi

GENERAL NOTES

1. FOR FOUNDATION, SEE "FOUNDATION PLAN" SHEET.

XX-XX REFERENCES CALTRANS STANDARD PLANS

GENERAL NOTES

LOAD AND RESISTANCE FACTOR DESIGN

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

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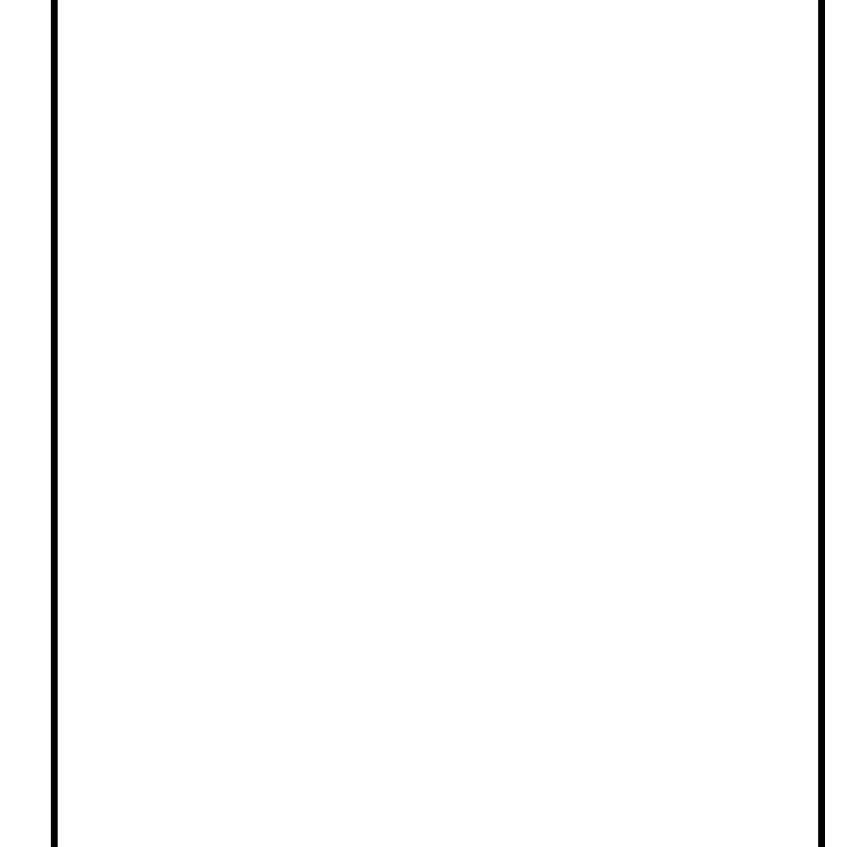
LIVE LOAD: HL93 AND PERMIT DESIGN LOAD.

FREEBOARD: 1. DESIGN FLOOD (Q50): > 1 FT
2. BASE FLOOD (Q100): > 0 FT

SEISMIC LOADING: SOIL PROFILE: Vs30 = 700 m/sec
MOMENT MAGNITUDE: Mmax = 6.89
PEAK GROUND ACCELERATION: 0.29 g

SHEET KEY NOTES

- CONCRETE BARRIER TYPE 836
- CHAIN LINK RAILING
- STRUCTURE APPROACH TYPE EQ (10)



Plot Date: 3/21/2024 5:40 PM
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PRELIMINARY - NOT FOR CONSTRUCTION

SITES RESERVOIR

SITES RESERVOIR BRIDGE
NORTH ACCESS ROAD BRIDGE NEAR COUNTY ROAD 69 SPLIT (REPLACE)
GENERAL PLAN

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
DRAWING NO. STS-1802-SB-0001
SHT x OF xxx

GENERAL NOTES

- FOR LOCATION OF EXISTING UTILITIES, SEE ROADWAY PLANS.
- FOR SURVEY CONTROL DATA, SEE ROADWAY PLANS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND NOTIFY UTILITY AGENCIES PRIOR TO ANY EXCAVATION.

PILE DATA TABLE

LOCATION	PILE TYPE	NOMINAL RESISTANCE (kips)		DESIGN TIP ELEVATION (ft)	SPECIFIED TIP ELEVATION (ft)	NOMINAL DRIVING RESISTANCE (kips)
		COMPRESSION	TENSION			
Abut 1	CLASS 200 Alt "W"					
BENT 2	24"Ø CIDH PILE					
BENT 3	24"Ø CIDH PILE					
Abut 4	CLASS 200 Alt "W"					

- DESIGN TIP ELEVATION ARE CONTROLLED BY: (A) COMPRESSION, (B) TENSION, (C) SETTLEMENT, (D) LATERAL.
- THE SPECIFIED TIP ELEVATION SHALL NOT BE RAISED ABOVE THE DESIGN TIP TIP ELEVATIONS FOR TENSION, LATERAL, AND TOLERABLE SETTLEMENT.

BENCHMARK

BENCHMARK	NORTH	EAST	ELEVATION	DESCRIPTION

SURVEY CONTROL:
 HORIZONTAL CONTROL FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE ____, US SURVEY FEET. NORTH AMERICAN DATUM OF ____, VERTICAL CONTROL IS THE NORTH AMERICAN VERTICAL DATUM ____.

HYDROLOGIC SUMMARY

DRAINAGE AREA: _ SQUARE MILES	DESIGN FLOOD	BASE FLOOD
FREQUENCY (Years)	50	100
DISCHARGE (Cu.Ft/Second)	838	1018
WATER SURFACE (Elevation at Bridge) (Ft)	279.96	280.2

SCOUR DATA SUMMARY (*)

SUPPORT NO.	LONG TERM (DEGRADATION AND CONTRACTION) SCOUR ELEVATION (Ft)	SHORT TERM (LOCAL) SCOUR ELEVATION (Ft)
ABUTMENT 1	XXX.XX	X.X
BENT 2	XXX.XX	X.X
BENT 3	XXX.XX	X.X
ABUTMENT 4	XXX.XX	X.X

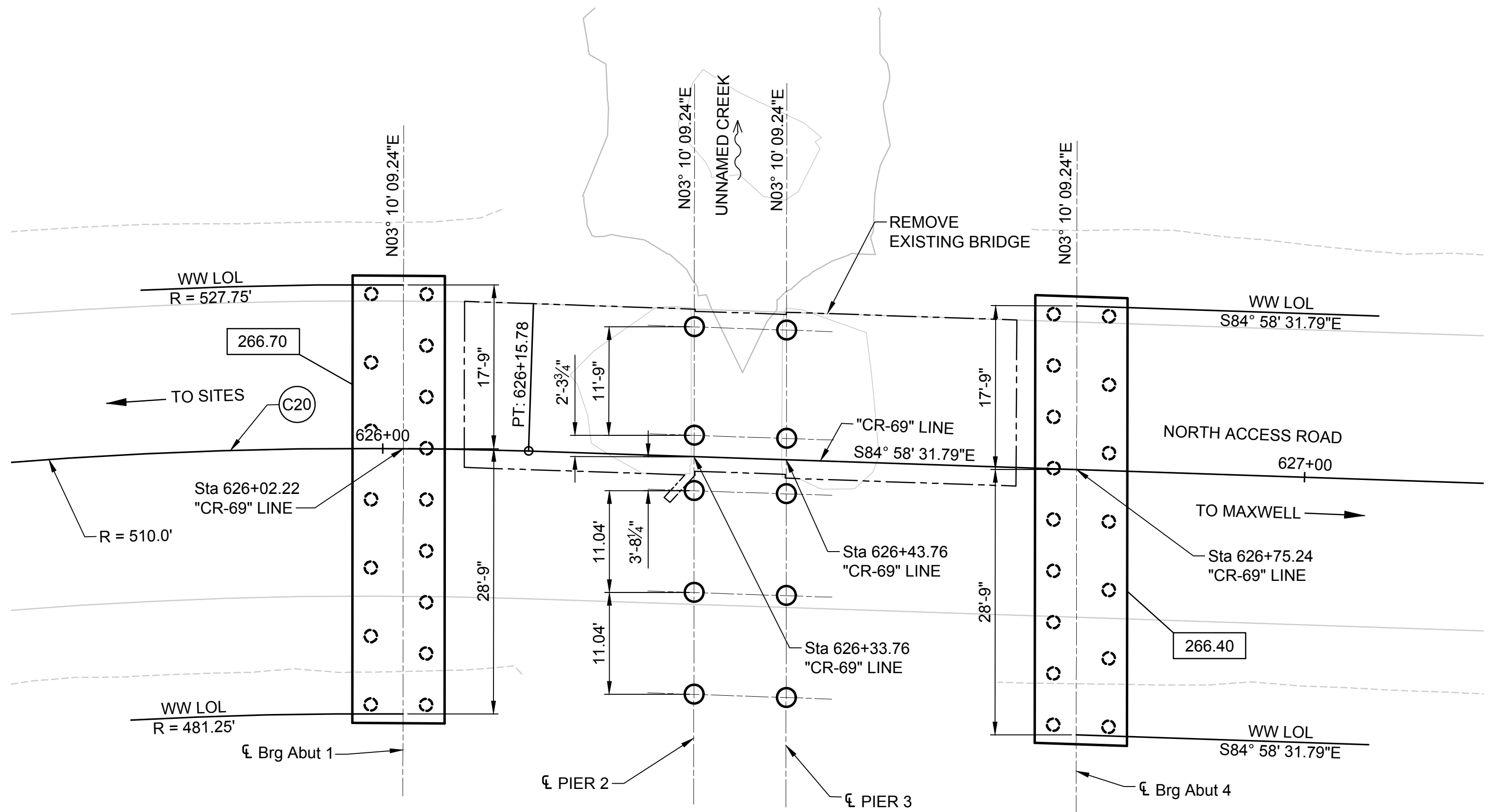
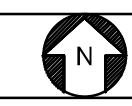
(*) - SCOUR WAS NOT ASSESSED FOR THIS STRUCTURE. THE CHANNEL AT THE EXISTING STRUCTURE IS CONCRETE LINED. ELEVATIONS PROVIDED CORRESPOND WITH FG.

LEGEND:

- DIRECTION OF FLOW
- BOTTOM OF FOOTING ELEVATION
- CLASS 200 Alt "W" STEEL PIPE PILE
- BRIDGE REMOVAL
- EXISTING STRUCTURE
- 24"Ø CIDH PILE

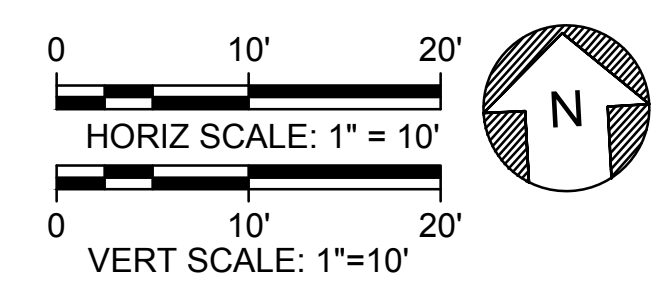
SHEET KEY NOTES

KEY MAP



PLAN
 SCALE: 1" = 10'-0"

NOTE:
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL



CURVE DATA TABLE

CURVE #	R	Δ	T	L
(C20)	510'	24°15'35"	109.61'	215.94'

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 Saved By: TUC1

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: K. LEE
DRAWN BY: C. TU
CHECKED BY: X. XXXXXXXX
IN CHARGE: X. XXXXXXXX
DATE: XX/XX/XX

REGISTERED PROFESSIONAL ENGINEER
 XXXX XXXXXXXX
 #####
 CALIFORNIA



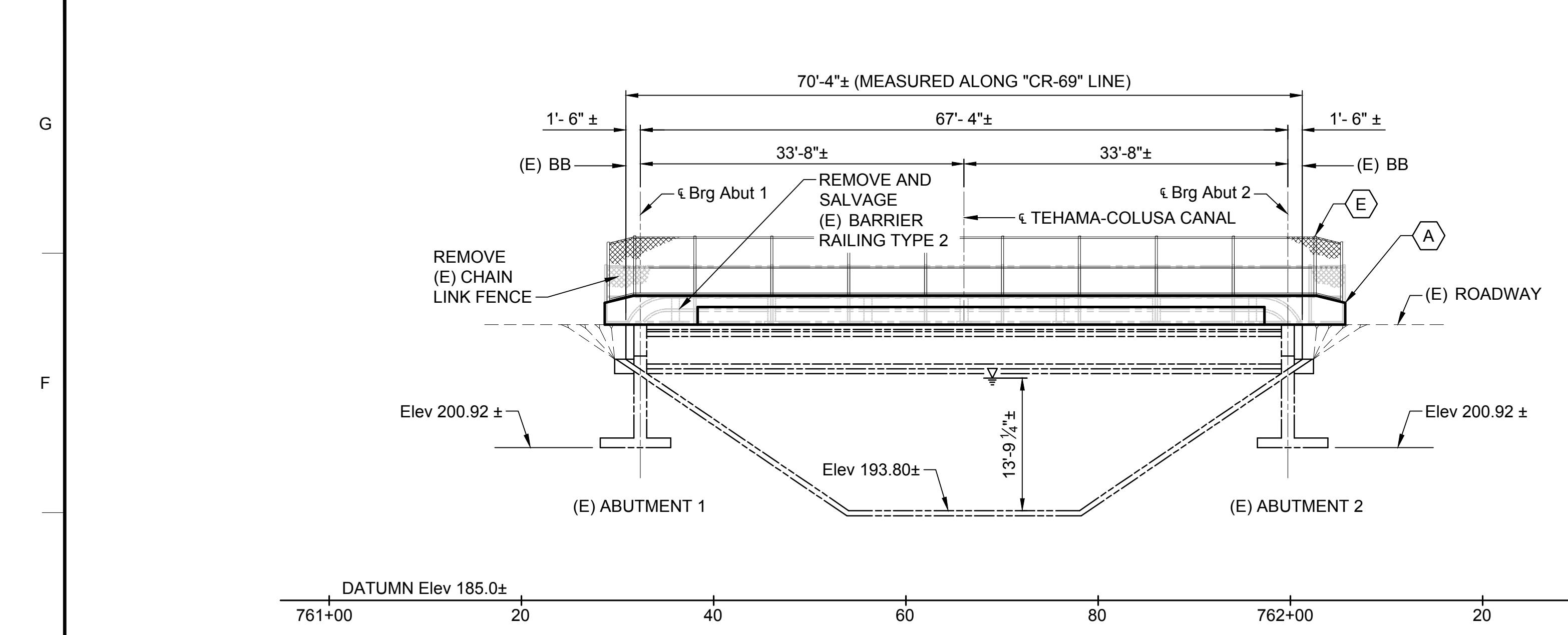
SITES RESERVOIR
 SITES RESERVOIR BRIDGE
 NORTH ACCESS ROAD BRIDGE NEAR COUNTY ROAD 69 SPLIT (REPLACE)
 FOUNDATION PLAN

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

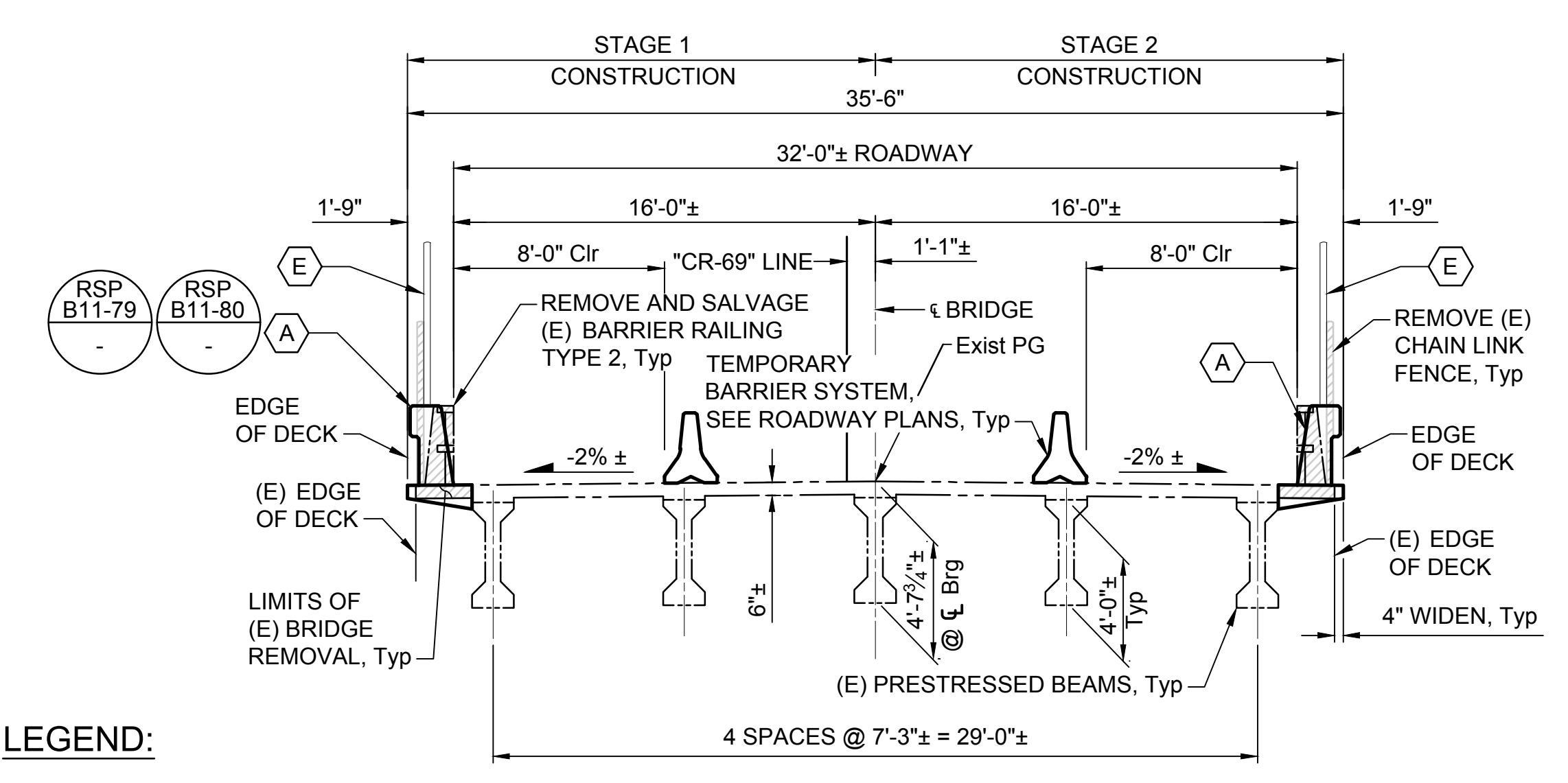
0 1"

DRAWING NO.
 STS-1802-SB-1101
 SHT x OF xxx

PRELIMINARY - NOT FOR CONSTRUCTION



ELEVATION
SCALE: 1" = 10'

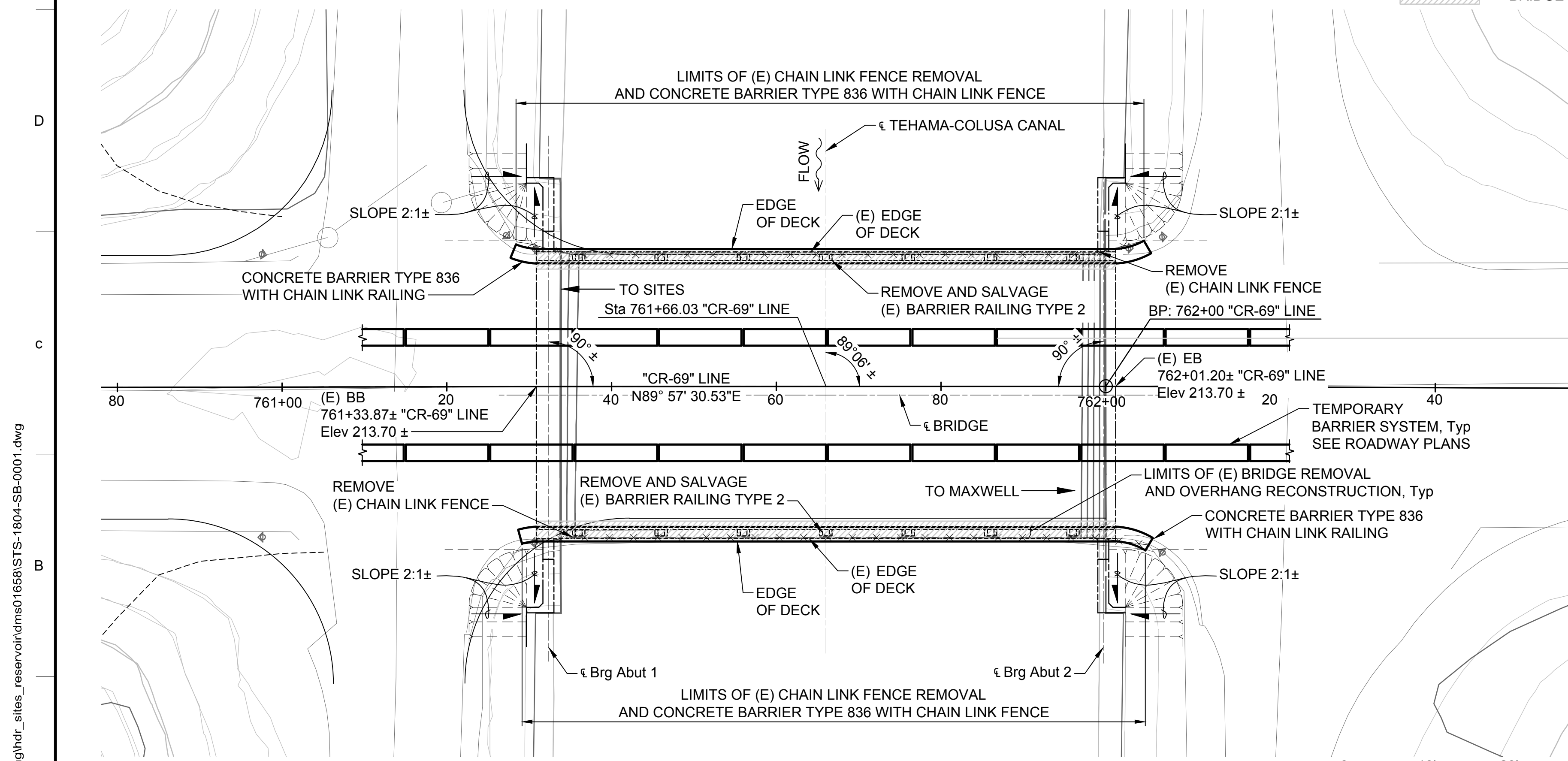


SECTION
SCALE: 1" = 5'

- LEGEND:**
- EXISTING STRUCTURE
 - *-*- EXISTING CHAIN LINK FENCE
 - ▽ HIGH WATER LEVEL
 - ~> DIRECTION OF FLOW
 - ▨ BRIDGE REMOVAL (PORTION)

GENERAL NOTES

XX-XX REFERENCES CALTRANS STANDARD PLANS



PLAN
SCALE: 1" = 10'

INDEX TO PLANS

SHEET NO.	TITLE
01	GENERAL PLAN

GENERAL NOTES
LOAD AND RESISTANCE FACTOR DESIGN

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

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LIVE LOAD:
HL93 AND PERMIT DESIGN LOAD.

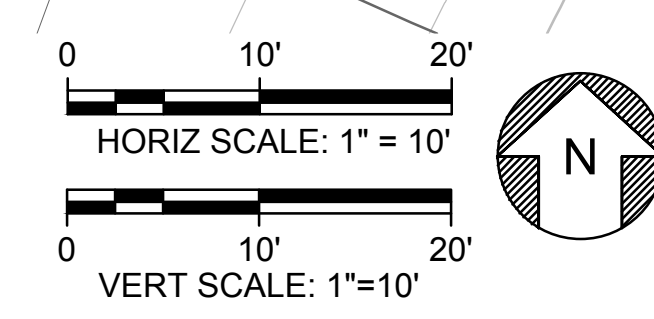
REINFORCED CONCRETE:
f_y = 60 ksi
f_c = 4 ksi

REINFORCED CONCRETE (ASSUMED FOR EVALUATION OF EXISTING STRUCTURE):
f_y = 60 ksi
f_{ye} = 60 ksi
f_c = 4.0 ksi
f_{ce} = 5.0 ksi

- SHEET KEY NOTES**
- (A) CONCRETE BARRIER TYPE 836
 - (E) CHAIN LINK RAILING

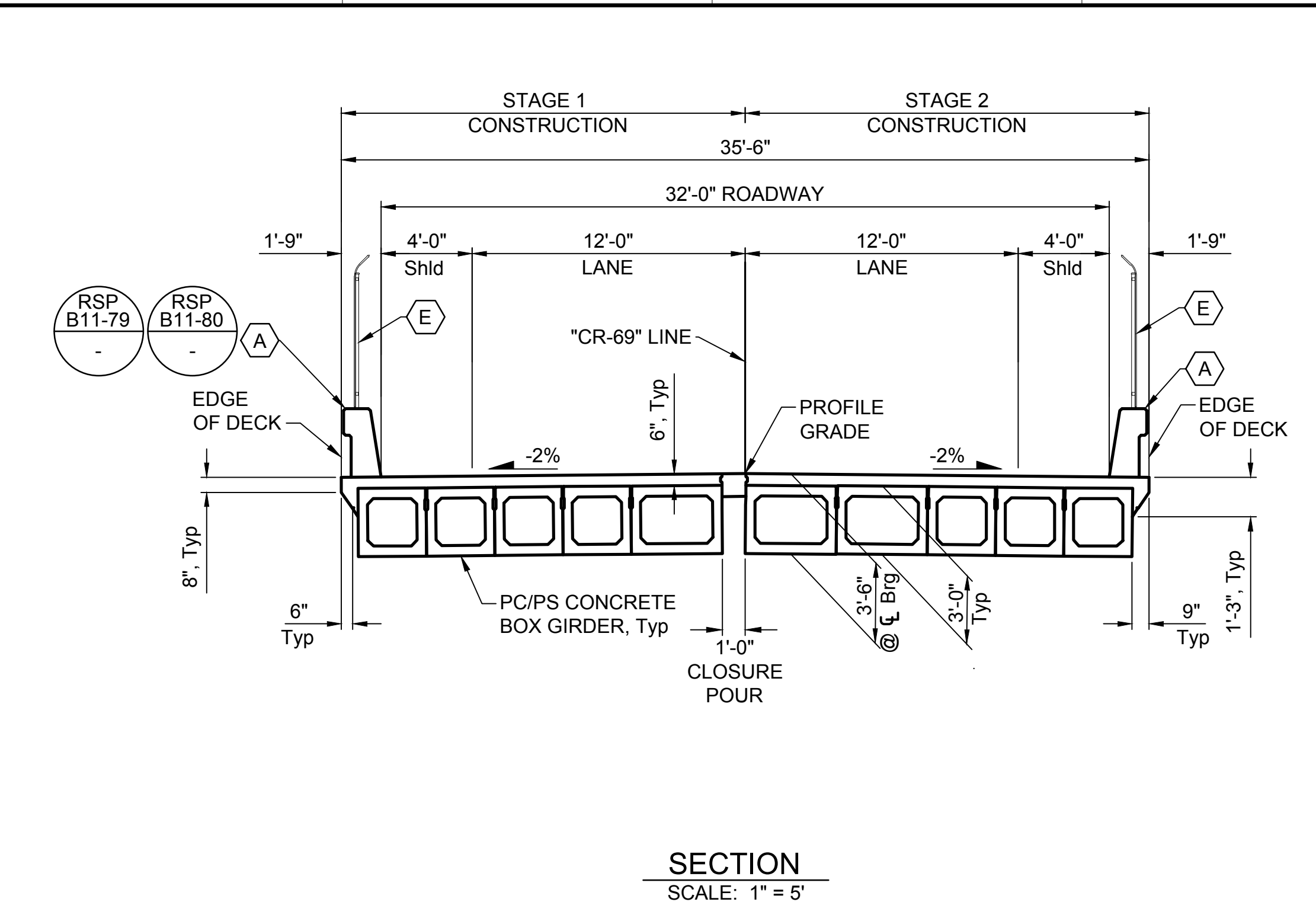
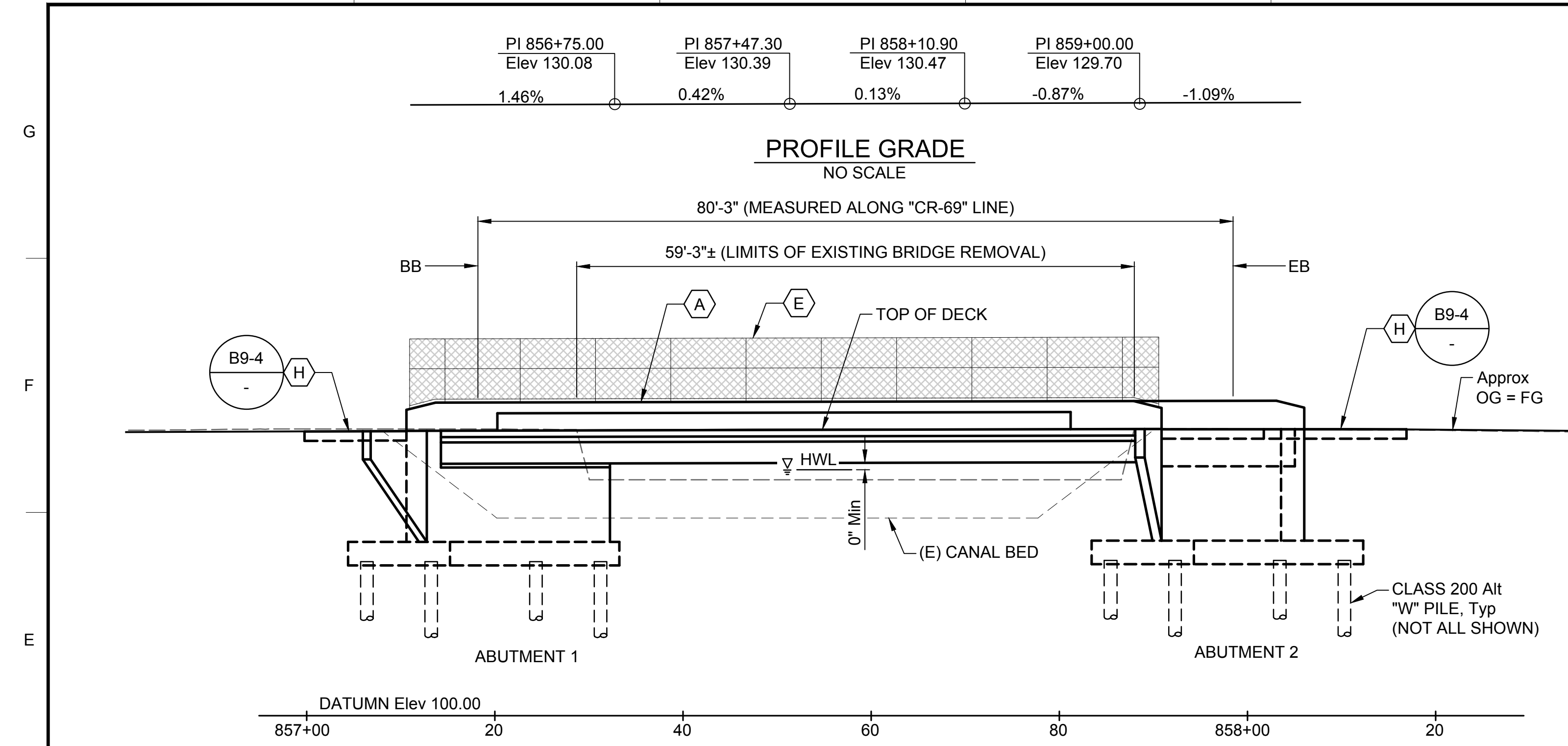


NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

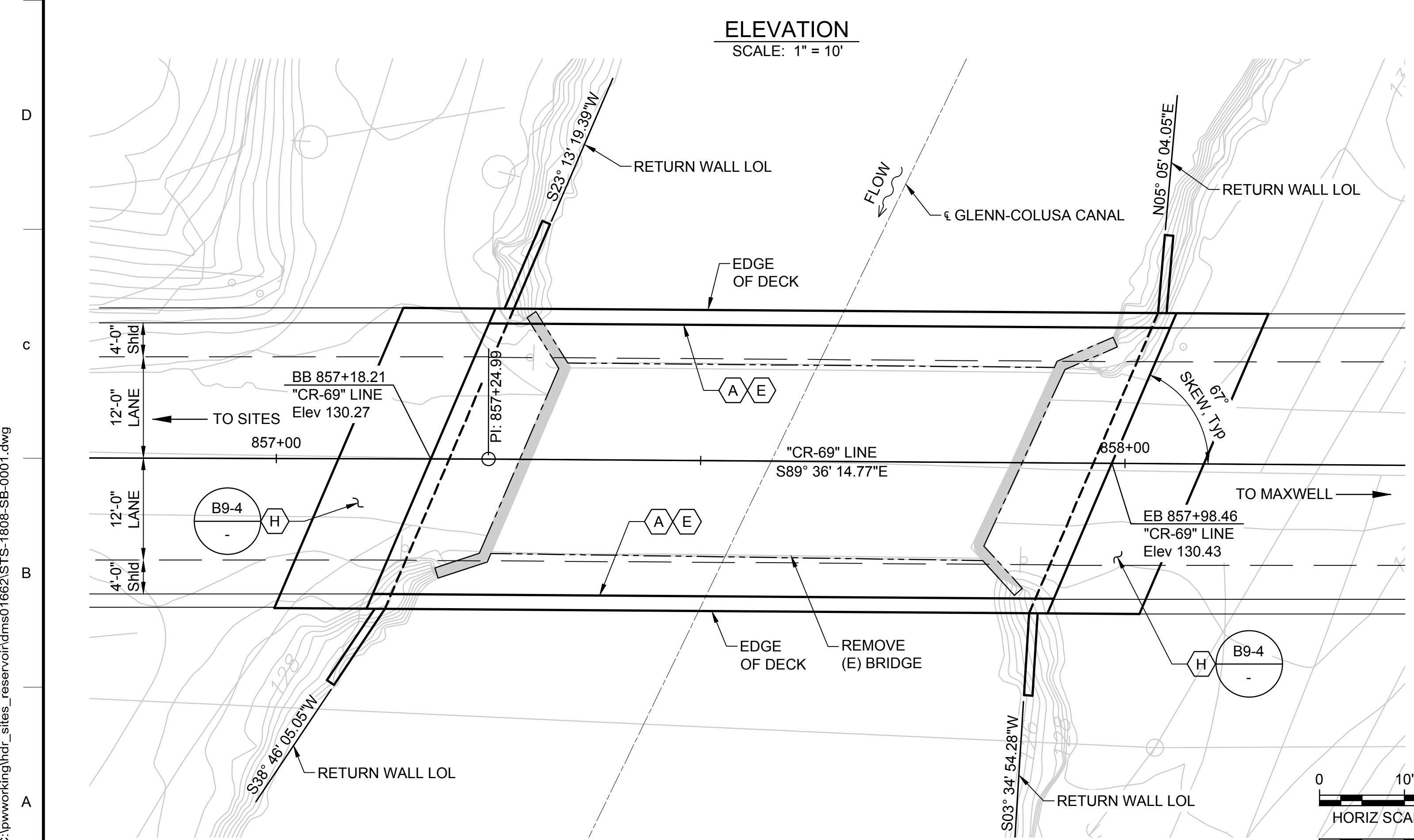


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DESIGNED BY: K. LEE		REGISTERED PROFESSIONAL ENGINEER XXX-XXXXXX ##### CALIFORNIA		SITES RESERVOIR 06-TEHAMA-COLUSA CANAL AUTHORITY BRIDGE ROAD 69 BRIDGE OVER TEHAMA-COLUSA CANAL (MODIFY) GENERAL PLAN		VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWN BY: C. TU						DRAWING NO. STS-1804-SB-0001 SHT OF
CHECKED BY: X.XX						
IN CHARGE: XXXXXXXXX						
DATE: XX/XX/XX						
REV	DATE	BY	CHK.	APPR.	DESCRIPTION	



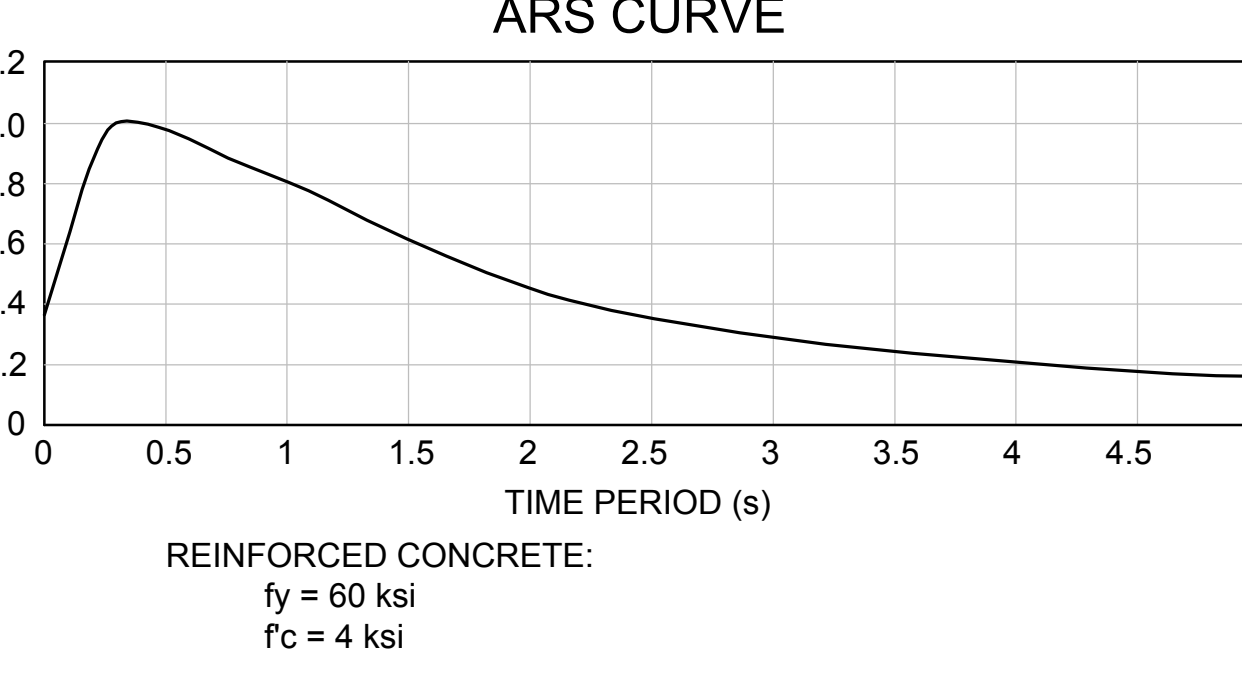
GENERAL NOTES
 1. FOR FOUNDATION, SEE "FOUNDATION PLAN" SHEET.
 XX-XX REFERENCES CALTRANS STANDARD PLANS



INDEX TO PLANS
 SHEET NO. TITLE
 01 GENERAL PLAN
 02 FOUNDATION PLAN

LEGEND:
 --- EXISTING STRUCTURE
 ~~~~~ DIRECTION OF FLOW  
 ▽ HIGH WATER LEVEL

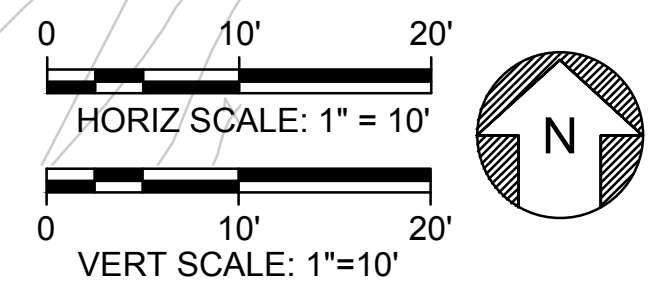
**GENERAL NOTES**  
**LOAD AND RESISTANCE FACTOR DESIGN**  
 DESIGN:  
 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2017 EDITION WITH CALIFORNIA AMENDMENTS, PREFACE DATED DECEMBER 2023.  
 CALTRANS STANDARD PLANS, 2023 EDITION WITH REVISED STANDARD PLANS, DATED OCTOBER 2023. CALTRANS STRUCTURAL TECHNICAL POLICIES AS OF NOVEMBER 2023.  
 DEAD LOAD:  
 INCLUDES 35 PSF FOR FUTURE WEARING SURFACE. THE DECK LOAD BETWEEN THE GIRDERS HAS BEEN INCREASED BY A FACTOR OF 10% TO ALLOW FOR THE USE OF STEEL DECK FORMS.  
 LIVE LOAD:  
 HL93 AND PERMIT DESIGN LOAD.  
 SEISMIC LOADING:  
 SOIL PROFILE: Vs30 = 181 m/sec  
 MOMENT MAGNITUDE: Mmax = 6.90  
 PEAK GROUND ACCELERATION: 0.36 g



**SHEET KEY NOTES**  
 (A) CONCRETE BARRIER TYPE 836  
 (E) CHAIN LINK RAILING  
 (H) STRUCTURE APPROACH TYPE EQ (10)

NOTE:  
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

**PLAN**  
 SCALE: 1" = 10'



**KEY MAP**

| REV | DATE | BY | CHK. | APPR. | DESCRIPTION |
|-----|------|----|------|-------|-------------|
|     |      |    |      |       |             |

|              |          |
|--------------|----------|
| DESIGNED BY: | K. LEE   |
| DRAWN BY:    | C. TU    |
| CHECKED BY:  | XX.XX    |
| IN CHARGE:   | XXXXXXXX |
| DATE:        | XX/XX/XX |

REGISTERED PROFESSIONAL ENGINEER  
 XXXXXXXX  
 XX-XXXXX  
 CALIFORNIA



**SITES RESERVOIR**  
 07-GLENN COLUSA IRRIGATION DISTRICT  
 BRIDGE  
 RD 69 BRIDGE OVER GLENN-COLUSA CANAL (REPLACE)  
 GENERAL PLAN

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
 0 1"  
 DRAWING NO.  
 STS-1808-SB-0001  
 SHT OF

File: C:\pwworking\hdr\_sitas\_reservoir\dms01662\STS-1808-SB-0001.dwg  
 Plot Date: 3/21/2024 5:52 PM  
 Saved By: TUC1



G  
F  
E  
D  
C  
B  
A

| PILE DATA TABLE |                   |                           |         |                           |                              |                                   |
|-----------------|-------------------|---------------------------|---------|---------------------------|------------------------------|-----------------------------------|
| LOCATION        | PILE TYPE         | NOMINAL RESISTANCE (kips) |         | DESIGN TIP ELEVATION (ft) | SPECIFIED TIP ELEVATION (ft) | NOMINAL DRIVING RESISTANCE (kips) |
|                 |                   | COMPRESSION               | TENSION |                           |                              |                                   |
| Abut 1          | CLASS 200 Alt "W" |                           |         |                           |                              |                                   |
| Abut 2          | CLASS 200 Alt "W" |                           |         |                           |                              |                                   |

- DESIGN TIP ELEVATION ARE CONTROLLED BY: (A) COMPRESSION, (B) TENSION, (C) SETTLEMENT, (D) LATERAL..
- THE SPECIFIED TIP ELEVATION SHALL NOT BE RAISED ABOVE THE DESIGN TIP ELEVATIONS FOR TENSION, LATERAL, AND TOLERABLE SETTLEMENT.

| BENCHMARK |       |      |           |             |
|-----------|-------|------|-----------|-------------|
| BENCHMARK | NORTH | EAST | ELEVATION | DESCRIPTION |
|           |       |      |           |             |
|           |       |      |           |             |

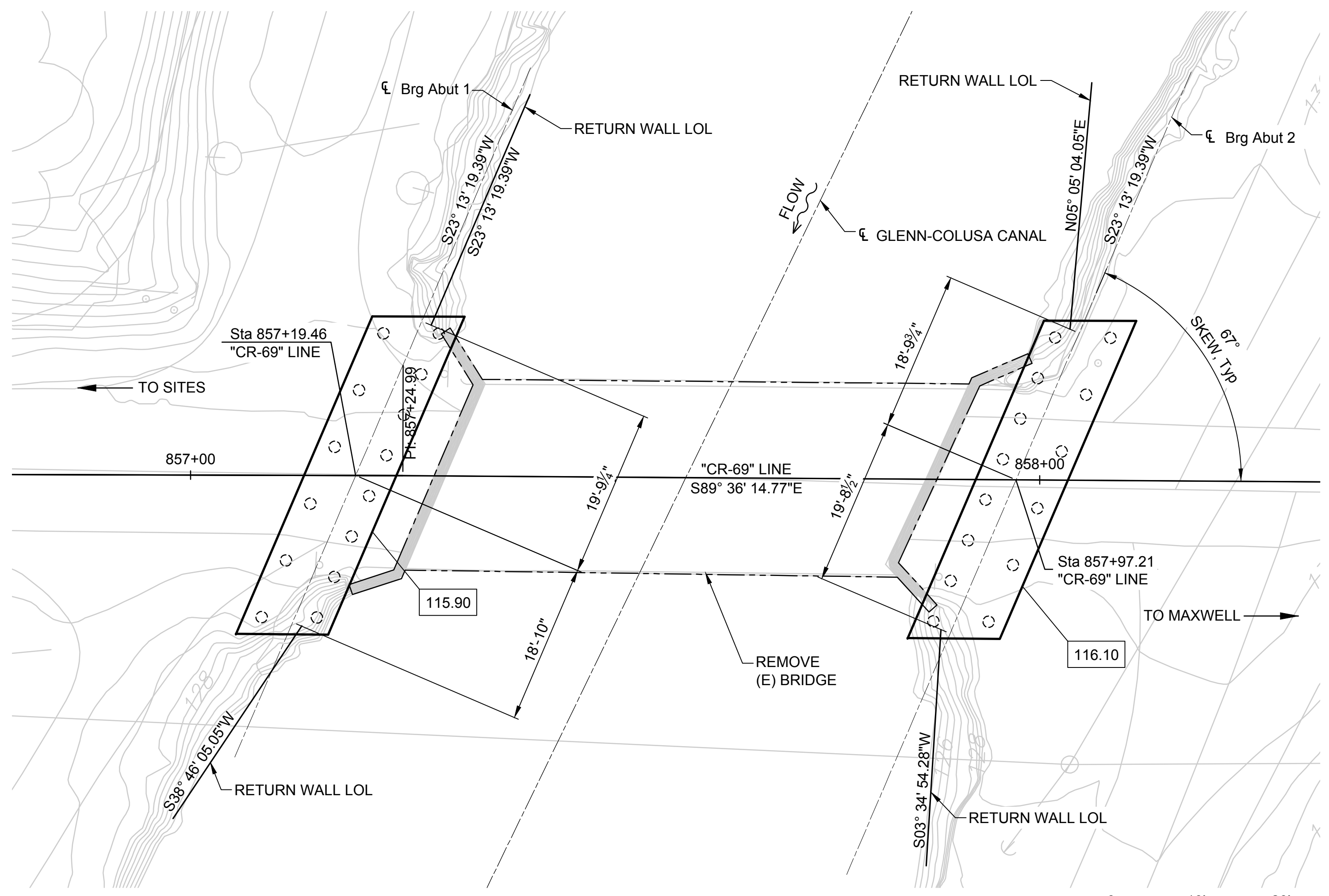
SURVEY CONTROL:  
HORIZONTAL CONTROL FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE \_\_\_\_\_, US SURVEY FEET. NORTH AMERICAN DATUM OF \_\_\_\_\_, VERTICAL CONTROL IS THE NORTH AMERICAN VERTICAL DATUM \_\_\_\_\_.

**GENERAL NOTES**

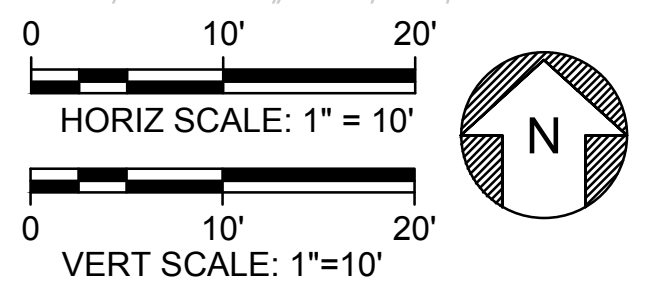
- FOR LOCATION OF EXISTING UTILITIES, SEE ROADWAY PLANS.
- FOR SURVEY CONTROL DATA, SEE ROADWAY PLANS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND NOTIFY UTILITY AGENCIES PRIOR TO ANY EXCAVATION.

**LEGEND:**

- DIRECTION OF FLOW
- BOTTOM OF FOOTING ELEVATION
- CLASS 200 Alt "W" STEEL PIPE PILE
- EXISTING STRUCTURE



**PLAN**  
SCALE: 1" = 10'



NOTE:  
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

**SHEET KEY NOTES**

Blank area for sheet key notes.

**KEY MAP**



File: C:\pwworking\hdr\_sites\_reservoir\dms01662\STS-1808-SB-1101.dwg  
 Plot Date: 3/21/2024 6:04 PM  
 Saved By: TUC1

| REV | DATE | BY | CHK | APPR | DESCRIPTION |
|-----|------|----|-----|------|-------------|
|     |      |    |     |      |             |

|              |          |
|--------------|----------|
| DESIGNED BY: | K. LEE   |
| DRAWN BY:    | C. TU    |
| CHECKED BY:  | XX.XX    |
| IN CHARGE:   | XXXXXXXX |
| DATE:        | XX/XX/XX |

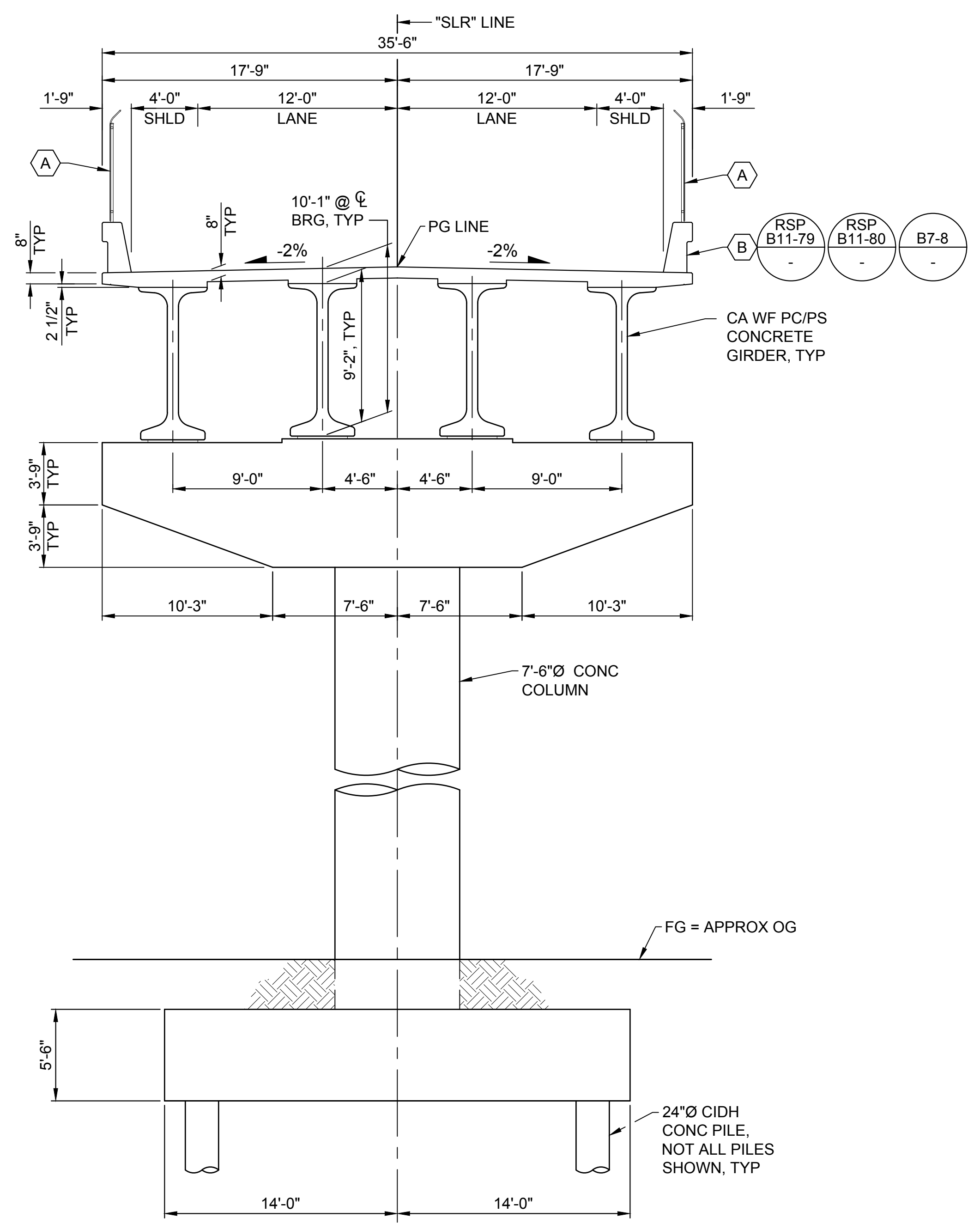
REGISTERED PROFESSIONAL ENGINEER  
XXXXXXX  
XX-XXXX  
CALIFORNIA



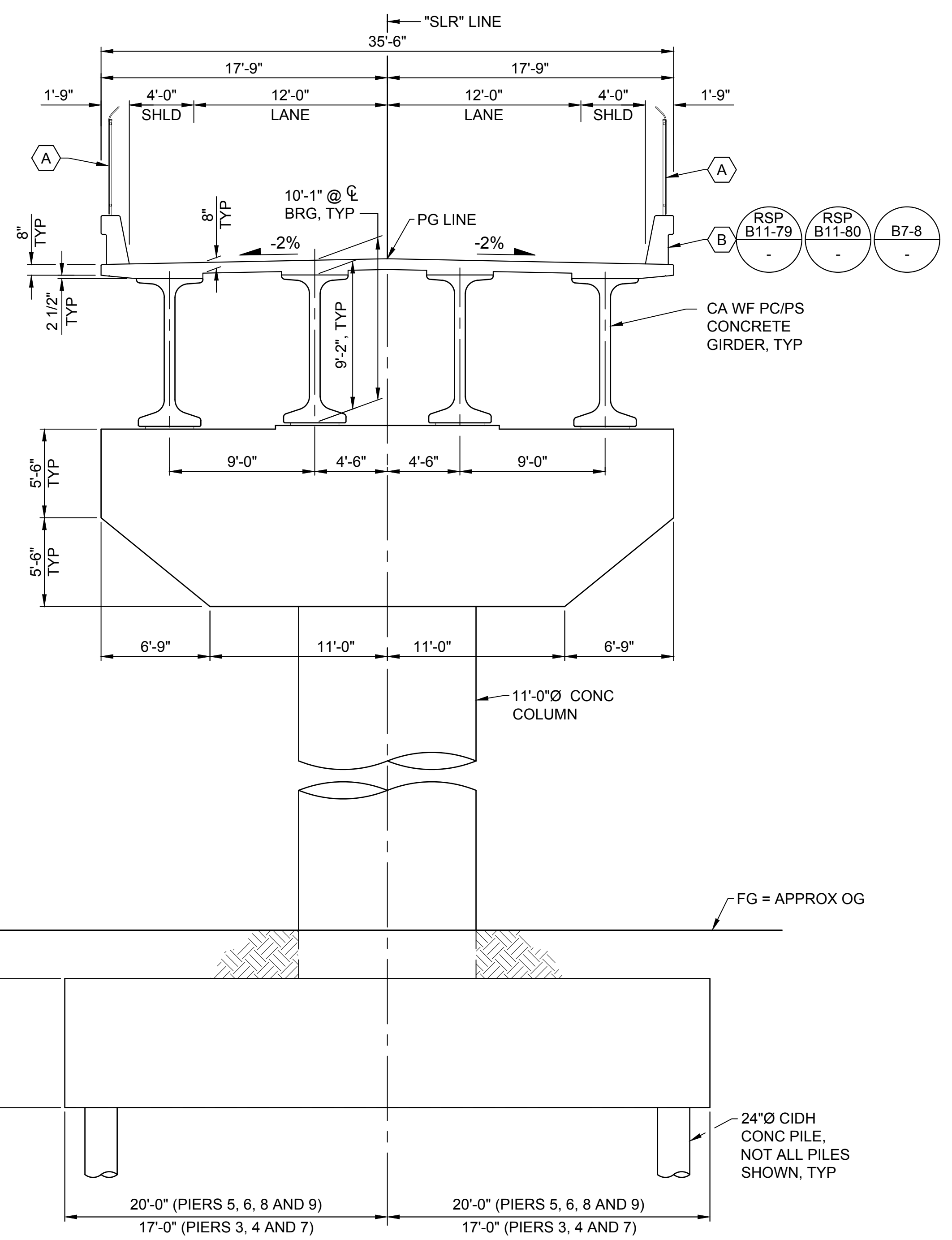
**SITES RESERVOIR**  
 07-GLENN COLUSA IRRIGATION DISTRICT  
 BRIDGE  
 RD 69 BRIDGE OVER GLENN-COLUSA CANAL (REPLACE)  
 FOUNDATION PLAN

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
 1"  
 DRAWING NO.  
 STS-1808-SB-1101  
 SHT OF





**TYPICAL SECTION  
PIERS 2 AND 10**  
3/16" = 1'-0"



**TYPICAL SECTION  
PIERS 3 THRU 9**  
3/16" = 1'-0"

**GENERAL NOTES**

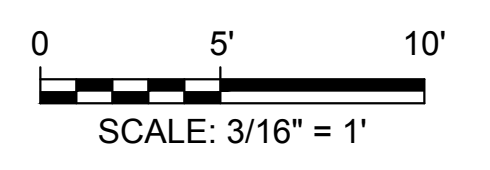
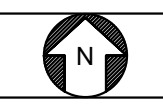
- FOR GENERAL NOTES, SEE "GENERAL PLAN NO. 1" SHEET.
- FOR PILE DATA TABLE AND FOOTING LAYOUT, SEE "FOUNDATION PLAN" SHEET.
- FOR CURVE AND ALIGNMENT DATA, SEE "GENERAL PLAN NO. 1" SHEET.
- FOR BENT DETAILS, SEE "BENT DETAILS" SHEETS.

XX-XX REFERENCES CALTRANS STANDARD PLANS

**SHEET KEY NOTES**

- A CHAIN LINK RAILING
- B CONCRETE BARRIER TYPE 836 WITH SCUPPER

**KEY MAP**



Plot Date: 3/21/2024 5:38 PM  
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 File: C:\pwworking\hdr\_sitas\_reservoir\dms01694\STS-1840-SB-0002.dwg

|              |             |
|--------------|-------------|
| DESIGNED BY: | X. XXXXXXXX |
| DRAWN BY:    | X. XXXXXXXX |
| CHECKED BY:  | X. XXXXXXXX |
| IN CHARGE:   | M. SMITH    |
| DATE:        | 03/15/24    |



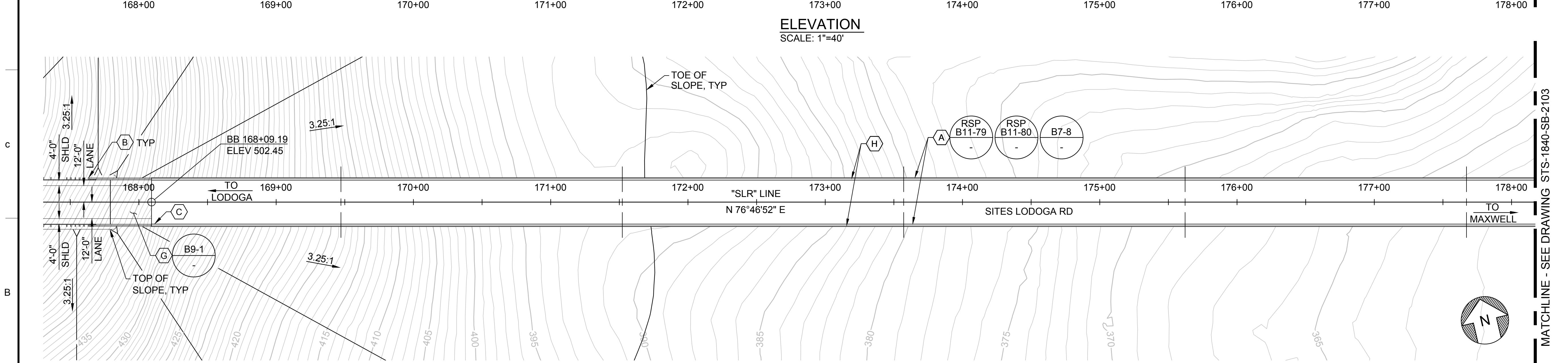
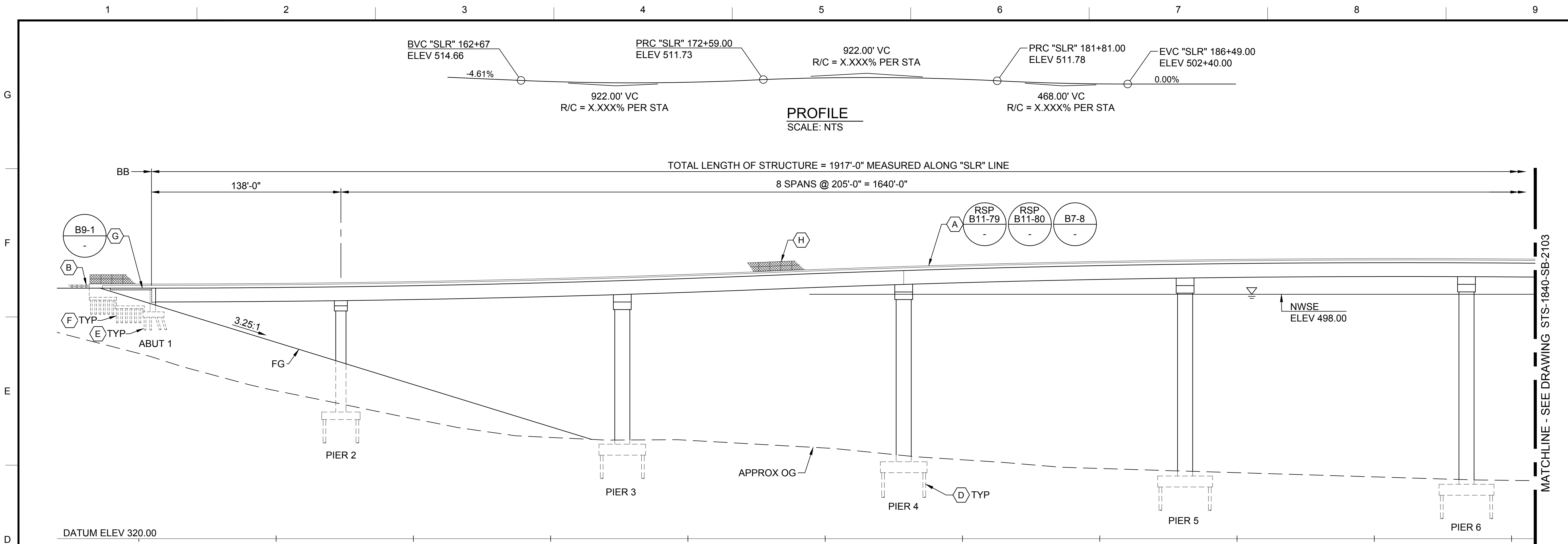
REGISTERED  
PROFESSIONAL  
ENGINEER  
XXXX XXXXXXXX  
#####  
CALIFORNIA



**SITES RESERVOIR**  
SITES RESERVOIR  
BRIDGE  
WEST SITES LODOGA ROAD BRIDGE OVER SITES RESERVOIR  
GENERAL PLAN NO. 2

**VERIFY SCALES**  
BAR IS ONE INCH ON ORIGINAL  
DRAWING. ADJUST SCALES FOR  
REDUCED PLOTS  
0 5 10  
1"  
DRAWING NO.  
STS-1840-SB-0002  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



**GENERAL NOTES**

- FOR GENERAL NOTES, SEE "GENERAL PLAN NO. 1" SHEET.
- FOR PILE DATA TABLE, SEE "FOUNDATION PLAN" SHEET.
- FOR TYPICAL SECTION, SEE "GENERAL PLAN NO. 2" SHEET.
- FOR CURVE AND ALIGNMENT DATA, SEE GENERAL PLAN NO. 1" SHEET.
- FOR SURVEY CONTROL DATA, SEE "ROADWAY PLANS".
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND NOTIFY UTILITY AGENCIES PRIOR TO ANY EXCAVATION.
- TRAFFIC WILL NOT PASS UNDER THE BRIDGE DURING CONSTRUCTION.

XX-XX REFERENCES CALTRANS STANDARD PLANS

**SHEET KEY NOTES**

- (A) CONCRETE BARRIER TYPE 836
- (B) MIDWEST GUARDRAIL SYSTEM, SEE "ROADWAY PLANS"
- (C) PAINT "(BRIDGE NAME)" "BRIDGE NO. (NN-NNNN)" AND YEAR CONSTRUCTED
- (D) 24"Ø CAST-IN-DRILLED-HOLE CONCRETE PILE
- (E) CLASS 200 ALT "W" PILE
- (F) CLASS 90 ALT "W" PILE
- (G) STRUCTURE APPROACH TYPE N (30)
- (H) CHAIN LINK RAILING

**KEY MAP**



Plot Date: 3/21/2024 5:38 PM  
 Saved By: WALTZT  
 File: C:\pwworking\hdr\_sites\_reservoir\dms01694\STS-1840-SB-0003.dwg

| REV | DATE | BY | CHK | APPR | DESCRIPTION |
|-----|------|----|-----|------|-------------|
|     |      |    |     |      |             |

DESIGNED BY:  
K. LEE  
 DRAWN BY:  
T. WALTZ  
 CHECKED BY:  
   
 IN CHARGE:  
   
 DATE:

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

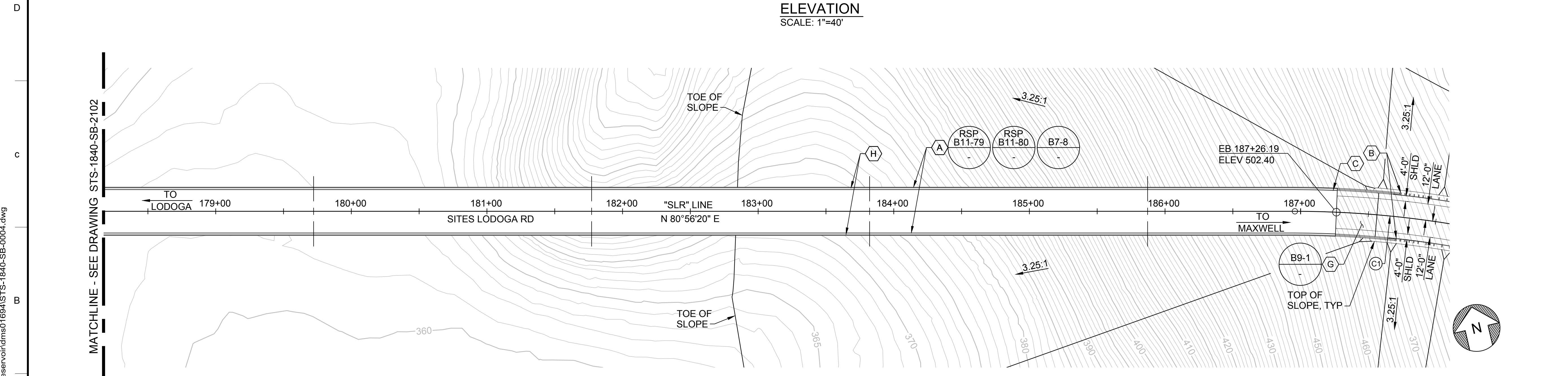
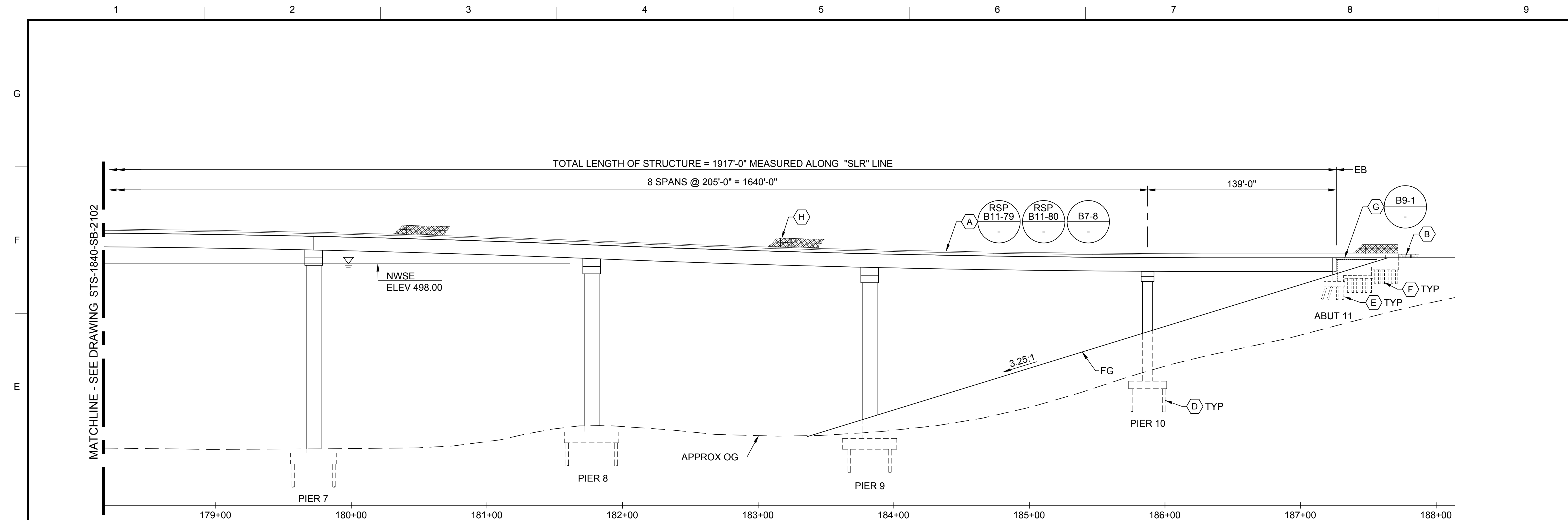
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
  
 CALIFORNIA



**SITES RESERVOIR**  
 SITES RESERVOIR  
 BRIDGE  
 WEST SITES LODOGA ROAD BRIDGE OVER SITES RESERVOIR  
 STRUCTURE PLAN  
 SHEET 1 OF 2

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
 0 40' 80'  
 SCALE: 1"=40'  
 DRAWING NO.  
 STS-1840-SB-0003  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



| CURVE DATA |         |         |         |
|------------|---------|---------|---------|
| CURVE      | R       | Δ       | L       |
| (C)        | 715.00' | 318.59' | 516.78' |

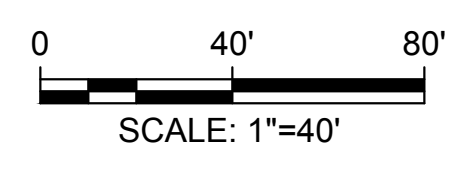
**GENERAL NOTES**

- FOR GENERAL NOTES, SEE "GENERAL PLAN NO. 1" SHEET.
  - FOR PILE DATA TABLE, SEE "FOUNDATION PLAN" SHEET.
  - FOR TYPICAL SECTION, SEE "GENERAL PLAN NO. 2" SHEET.
  - FOR CURVE AND ALIGNMENT DATA, SEE GENERAL PLAN NO. 1" SHEET.
  - FOR SURVEY CONTROL DATA, SEE "ROADWAY PLANS".
  - THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND NOTIFY UTILITY AGENCIES PRIOR TO ANY EXCAVATION.
  - TRAFFIC WILL NOT PASS UNDER THE BRIDGE DURING CONSTRUCTION.
- XX-XX REFERENCES CALTRANS STANDARD PLANS

**SHEET KEY NOTES**

- (A) CONCRETE BARRIER TYPE 836
- (B) MIDWEST GUARDRAIL SYSTEM, SEE "ROADWAY PLANS"
- (C) PAINT "(BRIDGE NAME)" "BRIDGE NO. (NN-NNNN)" AND YEAR CONSTRUCTED
- (D) 24"Ø CAST-IN-DRILLED-HOLE CONCRETE PILE
- (E) CLASS 200 ALT "W" PILE
- (F) CLASS 90 ALT "W" PILE
- (G) STRUCTURE APPROACH TYPE N (30)
- (H) CHAIN LINK RAILING

**KEY MAP**



Plot Date: 3/21/2024 5:38 PM  
Saved By: WALTZT  
File: C:\pwworking\hdr\_sites\_reservoir\dms01694\STS-1840-SB-0004.dwg

| REV | DATE | BY | CHK | APPR | DESCRIPTION |
|-----|------|----|-----|------|-------------|
|     |      |    |     |      |             |

DESIGNED BY:  
K. LEE

DRAWN BY:  
T. WALTZ

CHECKED BY:

IN CHARGE:

DATE:



REGISTERED  
PROFESSIONAL  
ENGINEER

CALIFORNIA



**SITES RESERVOIR**

SITES RESERVOIR  
BRIDGE

WEST SITES LODOGA ROAD BRIDGE OVER SITES RESERVOIR

STRUCTURE PLAN  
SHEET 2 OF 2

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

0 40' 80'  
1"

DRAWING NO.  
STS-1840-SB-0004  
SHT OF

PRELIMINARY - NOT FOR CONSTRUCTION

| PILE DATA TABLE |                   |                           |         |                           |                              |                                   |
|-----------------|-------------------|---------------------------|---------|---------------------------|------------------------------|-----------------------------------|
| LOCATION        | PILE TYPE         | NOMINAL RESISTANCE (kips) |         | DESIGN TIP ELEVATION (ft) | SPECIFIED TIP ELEVATION (ft) | NOMINAL DRIVING RESISTANCE (kips) |
|                 |                   | COMPRESSION               | TENSION |                           |                              |                                   |
| Abut 1          | CLASS 200 ALT "W" |                           |         |                           |                              |                                   |
| Abut 11         | CLASS 200 ALT "W" |                           |         |                           |                              |                                   |
| PIERS 2 TO 10   | 24"Ø CIDH         |                           |         |                           |                              |                                   |
| RETAINING WALL  | CLASS 90 ALT "W"  |                           |         |                           |                              |                                   |

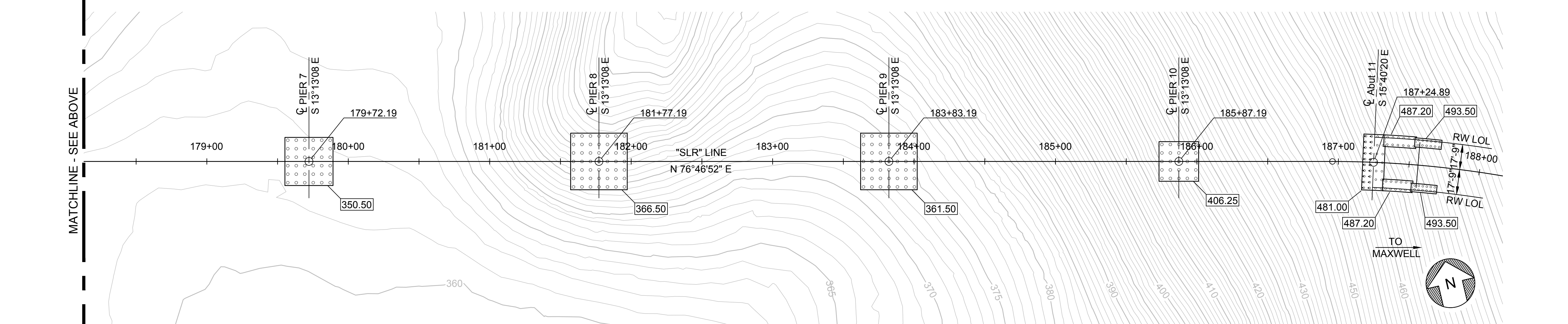
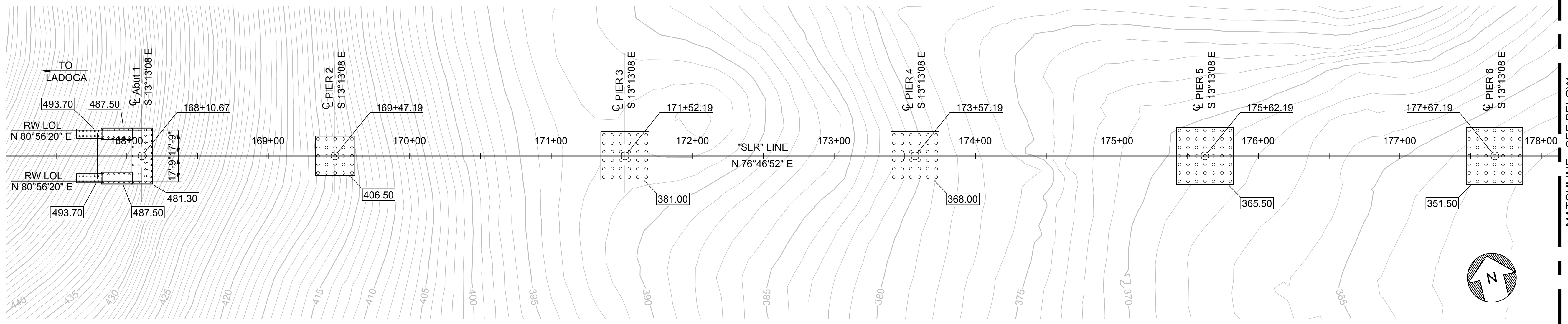
| BENCHMARK |       |      |           |             |
|-----------|-------|------|-----------|-------------|
| BENCHMARK | NORTH | EAST | ELEVATION | DESCRIPTION |
|           |       |      |           |             |
|           |       |      |           |             |

**GENERAL NOTES**

- FOR GENERAL NOTES, SEE "GENERAL PLAN NO. 1" SHEET.
- FOR LOCATION OF EXISTING UTILITIES, SEE "ROADWAY PLANS".
- FOR SURVEY CONTROL DATA, SEE "ROADWAY PLANS".
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND NOTIFY UTILITY AGENCIES PRIOR TO ANY EXCAVATION.

- DESIGN TIP ELEVATION ARE CONTROLLED BY: (A) COMPRESSION, (B) TENSION, (C) SETTLEMENT, (D) LATERAL.
- THE SPECIFIED TIP ELEVATION SHALL NOT BE RAISED ABOVE THE DESIGN TIP TIP ELEVATIONS FOR TENSION, LATERAL, AND TOLERABLE SETTLEMENT.

SURVEY CONTROL:  
 HORIZONTAL CONTROL FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE \_\_\_\_\_, US SURVEY FEET. NORTH AMERICAN DATUM OF \_\_\_\_\_, VERTICAL CONTROL IS THE NORTH AMERICAN VERTICAL DATUM \_\_\_\_\_.

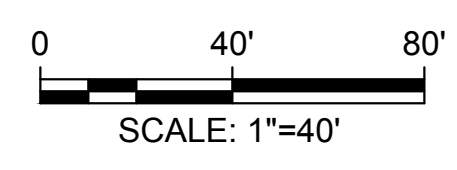


**SHEET KEY NOTES**



**LEGEND:**

- XX.XX BOTTOM OF FOOTING ELEVATION
- CIDH PILES
- ◐ BATTERED CIDH PILES



Plot Date: 3/21/2024 5:39 PM  
 Saved By: WALTZT  
 File: C:\pwworking\hdr\_sites\_reservoir\dms01694\STS-1840-SB-1101.dwg

|              |          |
|--------------|----------|
| DESIGNED BY: |          |
| DRAWN BY:    |          |
| CHECKED BY:  |          |
| IN CHARGE:   | M. SMITH |
| DATE:        | 03/15/24 |



**SITES RESERVOIR**  
 SITES RESERVOIR BRIDGE  
 WEST SITES LODOGA ROAD BRIDGE OVER SITES RESERVOIR  
 FOUNDATION PLAN

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
 0 1"  
 DRAWING NO.  
 STS-1840-SB-1101  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

**GENERAL NOTES**

- FOR PILE DATA TABLE, SEE "FOUNDATION PLAN" SHEET.
  - FOR TYPICAL SECTIONS, SEE "TYPICAL SECTIONS" SHEET.
  - THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND NOTIFY UTILITY AGENCIES PRIOR TO ANY EXCAVATION.
  - TRAFFIC WILL NOT PASS UNDER THE BRIDGE DURING CONSTRUCTION
- XX-XX REFERENCES CALTRANS STANDARD PLANS

**INDEX TO PLANS**

| SHEET NO. | TITLE                          |
|-----------|--------------------------------|
| 01        | GENERAL PLAN NO. 1             |
| 02        | GENERAL PLAN NO. 2             |
| 03        | STRUCTURE PLAN - SHEET 1 OF 3  |
| 04        | STRUCTURE PLAN - SHEET 2 OF 3  |
| 05        | STRUCTURE PLAN - SHEET 3 OF 3  |
| 06        | FOUNDATION PLAN - SHEET 1 OF 2 |
| 07        | FOUNDATION PLAN - SHEET 2 OF 2 |

**GENERAL NOTES**

**LOAD AND RESISTANCE FACTOR DESIGN**

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

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

SEISMIC DESIGN:  
 CALTRANS SEISMIC DESIGN CRITERIA (SDC), VERSION 2.0 DATED APRIL 2019.  
 CALTRANS MEMO TO DESIGNER 20-10 FAULT RUPTURE DATED JANUARY 2013.

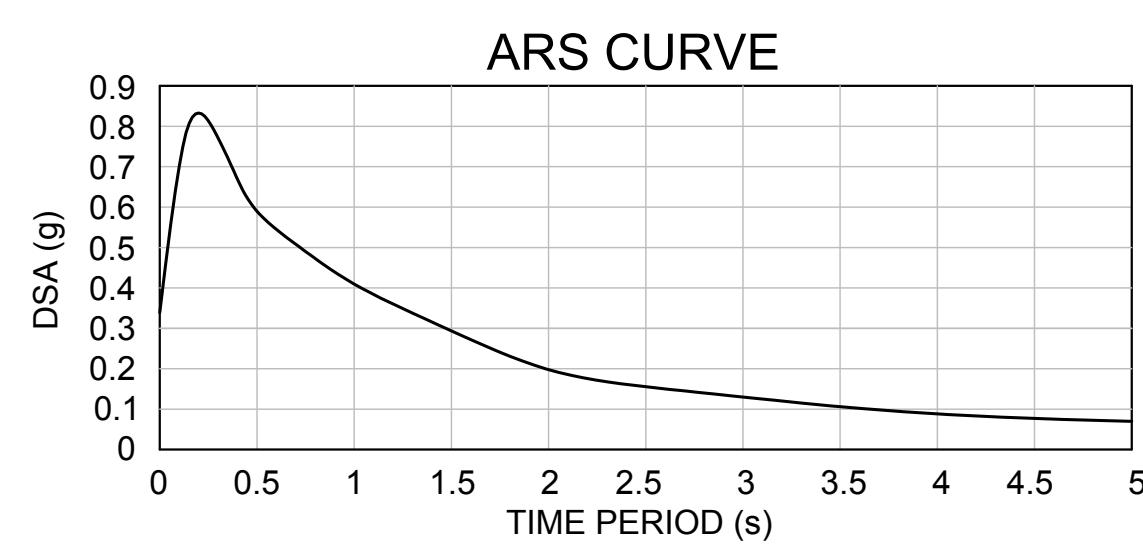
DEAD LOAD:  
 INCLUDES 35 PSF FOR FUTURE WEARING SURFACE. THE DECK LOAD BETWEEN THE GIRDERS HAS BEEN INCREASED BY A FACTOR OF 10% TO ALLOW FOR THE USE OF STEEL DECK FORMS.

LIVE LOAD:  
 HL93 AND PERMIT DESIGN LOAD.

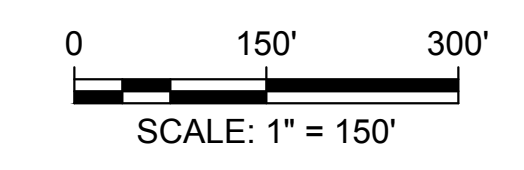
WATER LOAD:  
 OVERTOPPING FLOOD

SEISMIC LOADING:  
 SOIL PROFILE: Vs30 = 500 m/sec  
 MOMENT MAGNITUDE: Mmax = 6.91  
 PEAK GROUND ACCELERATION: 0.34 g

DESIGN FAULT RUPTURE DISPLACEMENTS  
 HORIZONTAL: 16"  
 VERTICAL: 0"  
 FAULT DIRECTION: N 65°11'40" W  
 ESTIMATED CROSSING: "SLR" LINE STA 216+81.85±  
 FAULT DIRECTION: N 44°41'58" E  
 ESTIMATED CROSSING: "SLR" LINE STA 218+21.18±



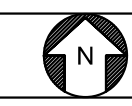
REINFORCED CONCRETE:  
 fy = 60 ksi  
 fc = 4 ksi  
 fc = 8 ksi (GIRDERS ONLY)



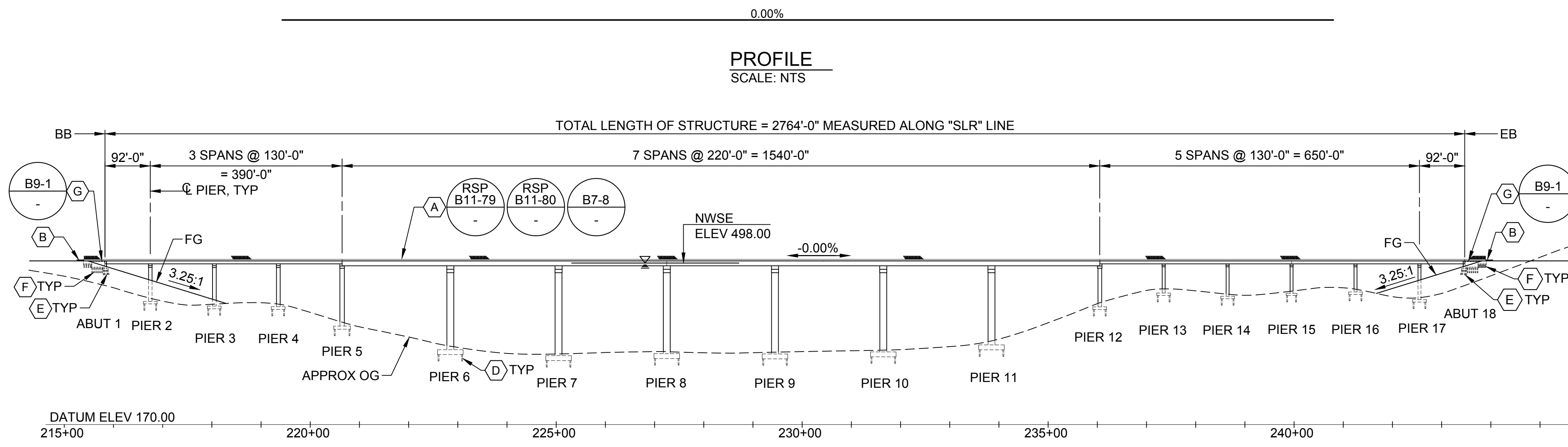
**SHEET KEY NOTES**

- (A) CONCRETE BARRIER TYPE 836 WITH SCUPPER
- (B) MIDWEST GUARDRAIL SYSTEM, SEE "ROADWAY PLANS"
- (C) PAINT "(BRIDGE NAME)" "BRIDGE NO. (NN-NNNN)" AND YEAR CONSTRUCTED
- (D) 24"Ø CAST-IN-DRILLED-HOLE CONCRETE PILE
- (E) CLASS 200 ALT "W" PILE
- (F) CLASS 90 ALT "W" PILE
- (G) STRUCTURE APPROACH TYPE N (30)
- (H) CHAIN LINK RAILING

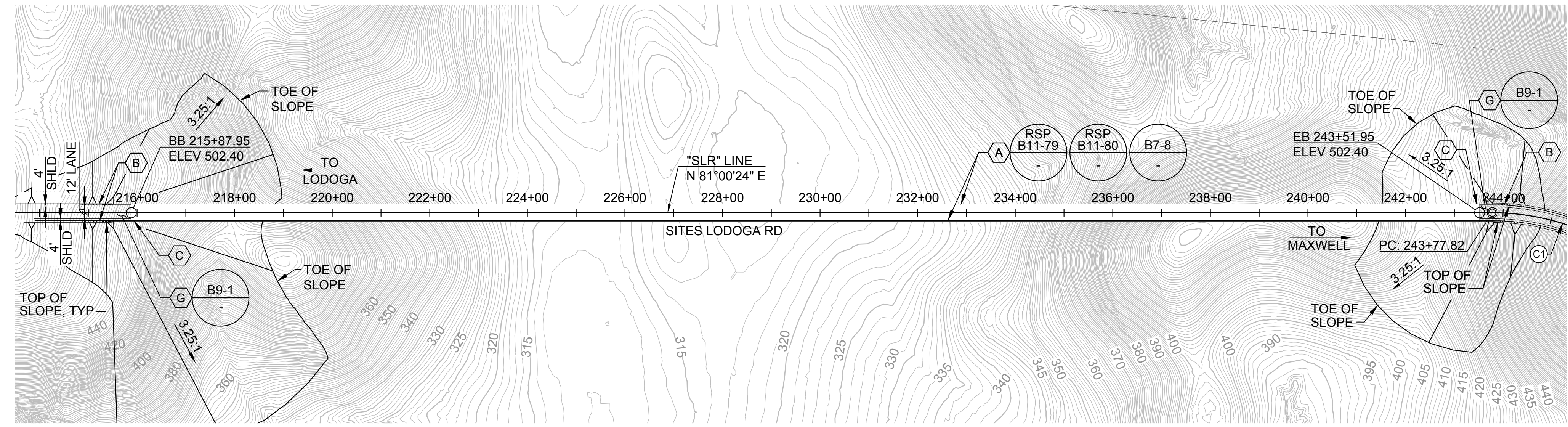
**KEY MAP**



**PROFILE**  
 SCALE: NTS

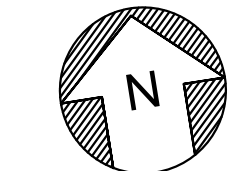


**ELEVATION**  
 SCALE: 1"=150'



| CURVE DATA |         |         |         |
|------------|---------|---------|---------|
| CURVE      | R       | Δ       | L       |
| (C1)       | 490.00' | 281.35' | 672.65' |

**PLAN**  
 SCALE: 1"=150'



File: C:\pwworking\hdr\_reservoir\dms01698\STS-1844-SB-0001.dwg  
 Plot Date: 3/21/2024 7:46 PM  
 Saved By: WALTZT

| REV | DATE | BY | CHK | APPR | DESCRIPTION |
|-----|------|----|-----|------|-------------|
|     |      |    |     |      |             |

DESIGNED BY:  
C. LEE

DRAWN BY:  
T. WALTZ

CHECKED BY:

IN CHARGE:

DATE:



ENGINEER  
 PROFESSIONAL  
 ENGINEER

CALIFORNIA



**SITES RESERVOIR**

SITES RESERVOIR  
 BRIDGE

EAST SITES LODOGA ROAD BRIDGE OVER SITES RESERVOIR  
 GENERAL PLAN NO. 1

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

0 150 300  
 SCALE: 1" = 150'

DRAWING NO.  
 STS-1844-SB-0001  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

**GENERAL NOTES**

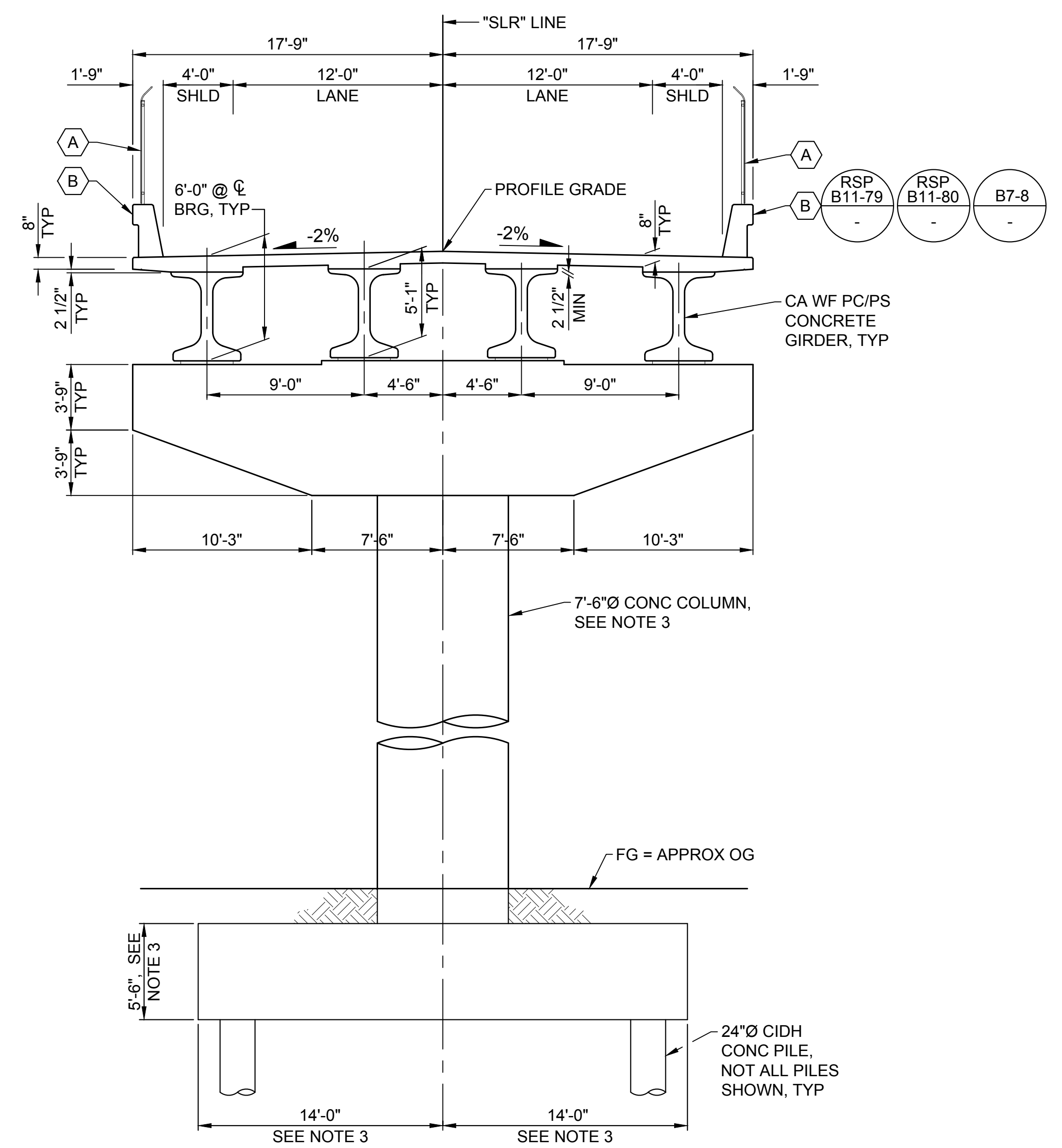
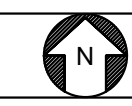
- FOR PILE DATA, SHEET "FOUNDATION PLAN" SHEET.
- FOR CURVE AND ALIGNMENT DATA, SEE "CIVIL PLANS" SHEETS.
- FOR PIER DETAILS NOT SHOWN, SEE "PIER DETAILS" SHEETS.

XX-XX REFERENCES CALTRANS STANDARD PLANS

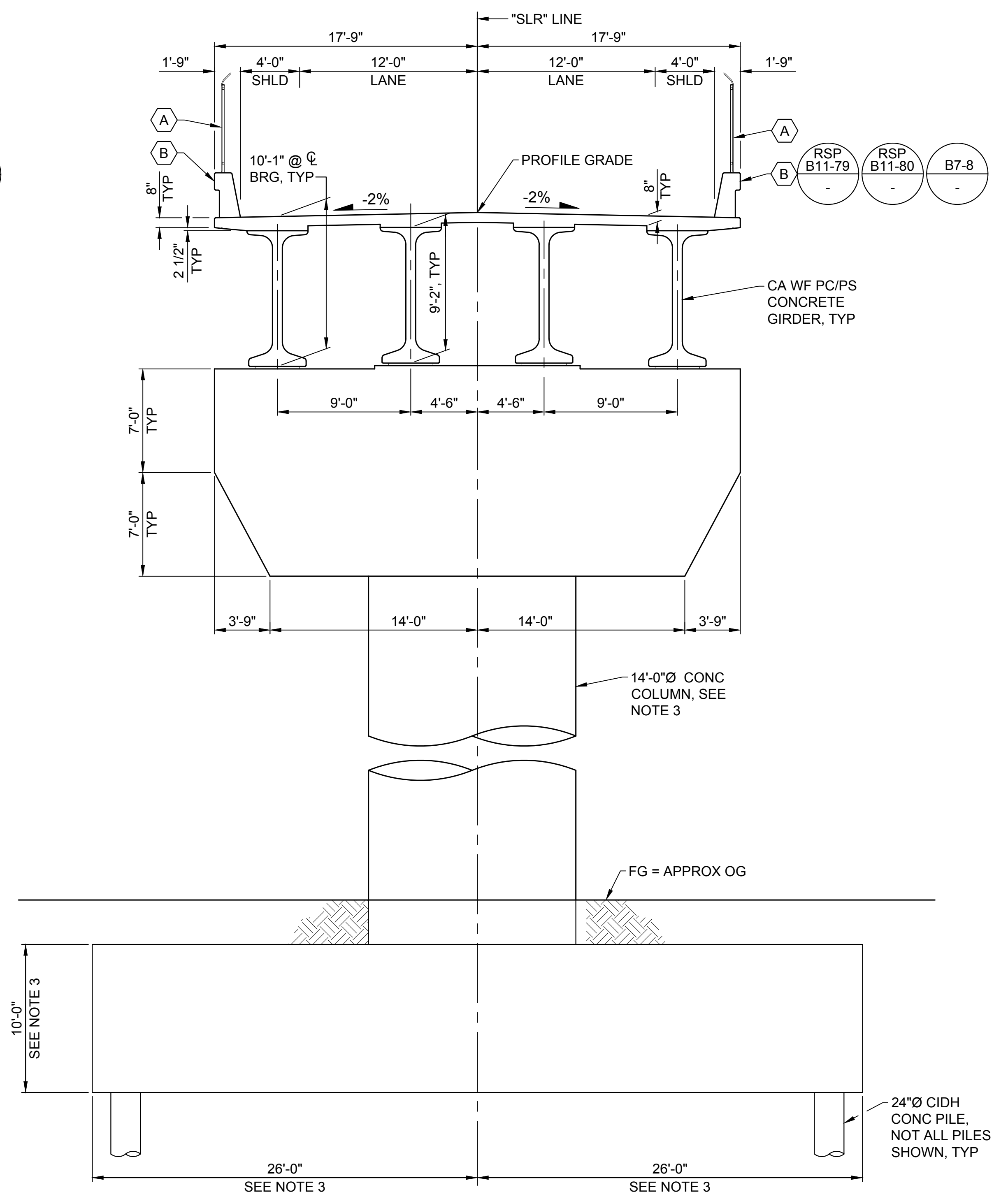
**SHEET KEY NOTES**

- (A) CHAIN LINK RAILING
- (B) CONCRETE BARRIER TYPE 836 WITH SCUPPER

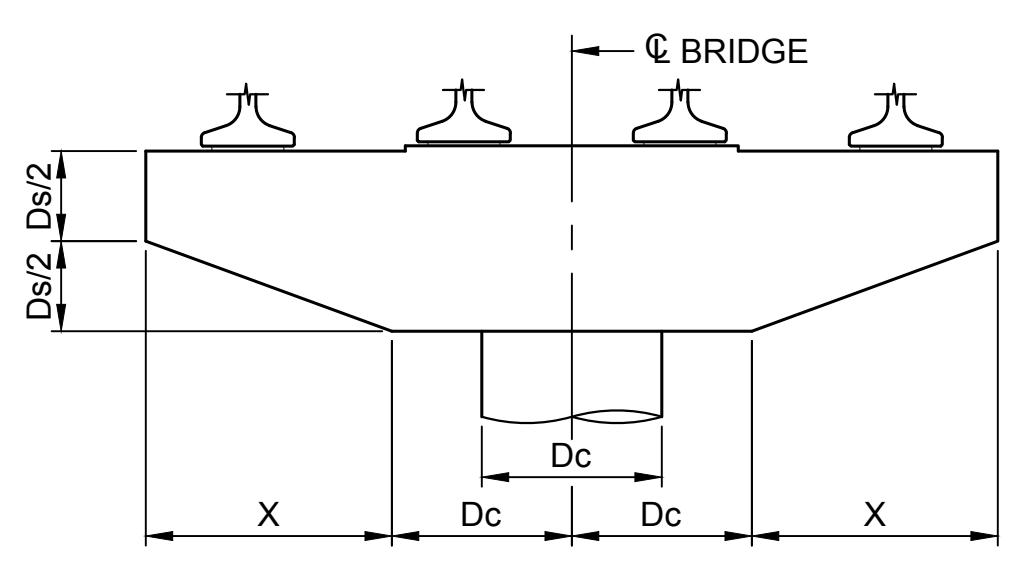
**KEY MAP**



**TYPICAL SECTION  
PIERS 2 THRU 4 AND 13 THRU 17**  
3/16" = 1'-0"  
PIER 4 SHOWN, OTHER PIERS  
SIMILAR. SEE NOTE 3.



**TYPICAL SECTION  
PIERS 5 THRU 12**  
3/16" = 1'-0"  
PIER 8 SHOWN, OTHER PIERS  
SIMILAR. SEE NOTE 3.



**DESIGN DETAIL**  
1/8" = 1'-0"

| PIER DESIGN TABLE |         |         |        |
|-------------------|---------|---------|--------|
| PIER NO.          | Dc (Ft) | Ds (Ft) | X (FT) |
| 2                 | 7       | 7       | 10.75  |
| 3-4               | 7.5     | 7.5     | 10.25  |
| 5                 | 9       | 9       | 8.75   |
| 6-11              | 14      | 14      | 3.75   |
| 12                | 7.5     | 7.5     | 10.25  |
| 13-16             | 6       | 6       | 11.75  |
| 17                | 7       | 7       | 10.75  |



File: C:\pwworking\hdr\_sites\_reservoir\dms01696\STS-1844-SB-0002.dwg  
 Plot Date: 3/21/2024 7:46 PM  
 Saved By: WALTZT

| REV | DATE | BY | CHK | APPR | DESCRIPTION |
|-----|------|----|-----|------|-------------|
|     |      |    |     |      |             |

DESIGNED BY:  
K. LEE  
 DRAWN BY:  
T. WALTZ  
 CHECKED BY:  
   
 IN CHARGE:  
   
 DATE:

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

REGISTERED  
 PROFESSIONAL  
 ENGINEER  
  
 CALIFORNIA

**SITES RESERVOIR**  
 SITES RESERVOIR  
 BRIDGE  
 EAST SITES LODOGA ROAD BRIDGE OVER SITES RESERVOIR  
 GENERAL PLAN NO. 2

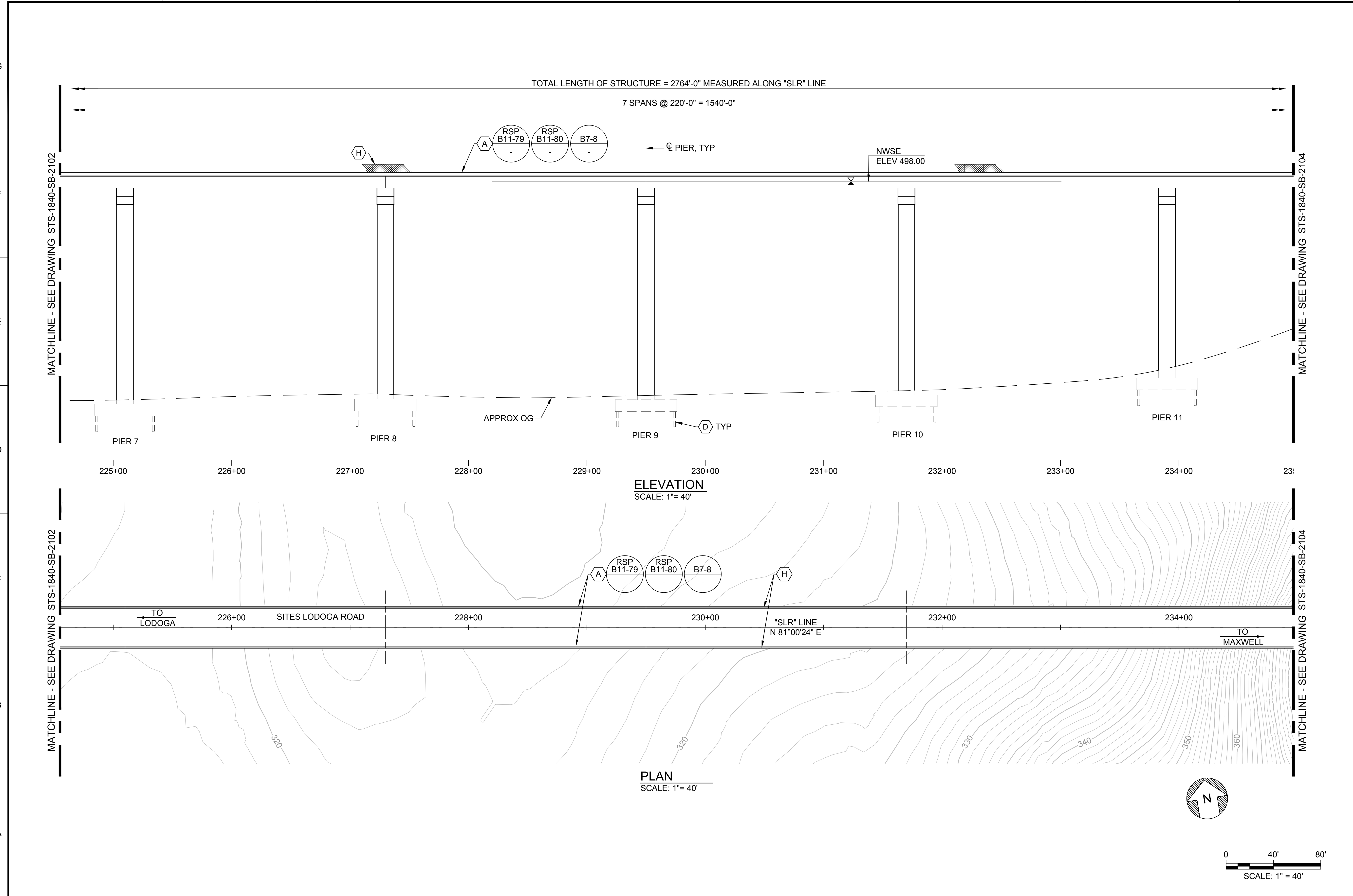
**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
  
 DRAWING NO.  
 STS-1844-SB-0002  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION





Plot Date: 3/21/2024 7:46 PM  
 Saved By: WALTZT  
 File: C:\pwworking\hdr\_sites\_reservoir\dms01698\STS-1844-SB-0004.dwg



**GENERAL NOTES**

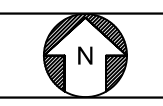
1. FOR GENERAL NOTES, SEE "GENERAL PLAN NO. 1" SHEET.
2. FOR PILE DATA TABLE, SEE "FOUNDATION PLAN" SHEET.
3. FOR TYPICAL SECTIONS, SEE "TYPICAL SECTIONS" SHEET.
4. FOR CURVE AND ALIGNMENT DATA, SEE "CIVIL PLANS" SHEETS.
5. FOR SURVEY CONTROL DATA, SEE "ROADWAY PLANS".
6. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND NOTIFY UTILITY AGENCIES PRIOR TO ANY EXCAVATION.
7. TRAFFIC WILL NOT PASS UNDER THE BRIDGE DURING CONSTRUCTION

XX-XX REFERENCES CALTRANS STANDARD PLANS

**SHEET KEY NOTES**

- (A) CONCRETE BARRIER TYPE 836 WITH SCUPPER
- (B) MIDWEST GUARDRAIL SYSTEM, SEE "ROADWAY PLANS"
- (C) PAINT "(BRIDGE NAME)" "BRIDGE NO. (NN-NNNN)" AND YEAR CONSTRUCTED
- (D) 24"Ø CAST-IN-DRILLED-HOLE CONCRETE PILE
- (E) CLASS 200 ALT "W" PILE
- (F) CLASS 90 ALT "W" PILE
- (G) STRUCTURE APPROACH TYPE N (30)
- (H) CHAIN LINK RAILING

**KEY MAP**



| REV | DATE | BY | CHK | APPR | DESCRIPTION |
|-----|------|----|-----|------|-------------|
|     |      |    |     |      |             |

DESIGNED BY:  
K. LEE  
 DRAWN BY:  
T. WALTZ  
 CHECKED BY:  
   
 IN CHARGE:  
   
 DATE:

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

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 ENGINEER  
  
 CALIFORNIA



**SITES RESERVOIR**  
 SITES RESERVOIR  
 BRIDGE  
 EAST SITES LODOGA ROAD BRIDGE OVER SITES RESERVOIR  
 STRUCTURE PLAN  
 SHEET 2 OF 3

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
 0 40' 80'  
 SCALE: 1" = 40'  
 DRAWING NO.  
 STS-1844-SB-0004  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

**GENERAL NOTES**

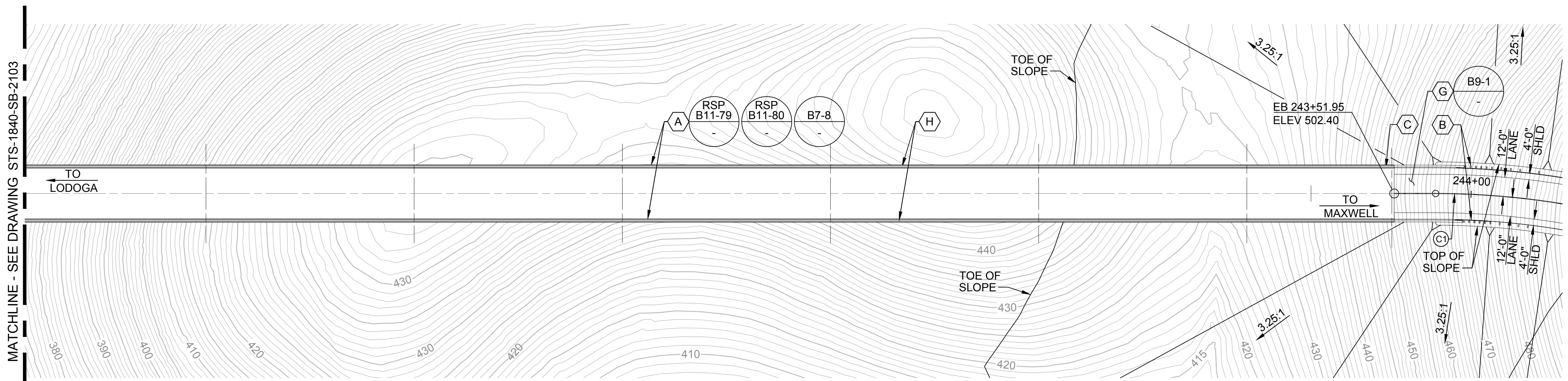
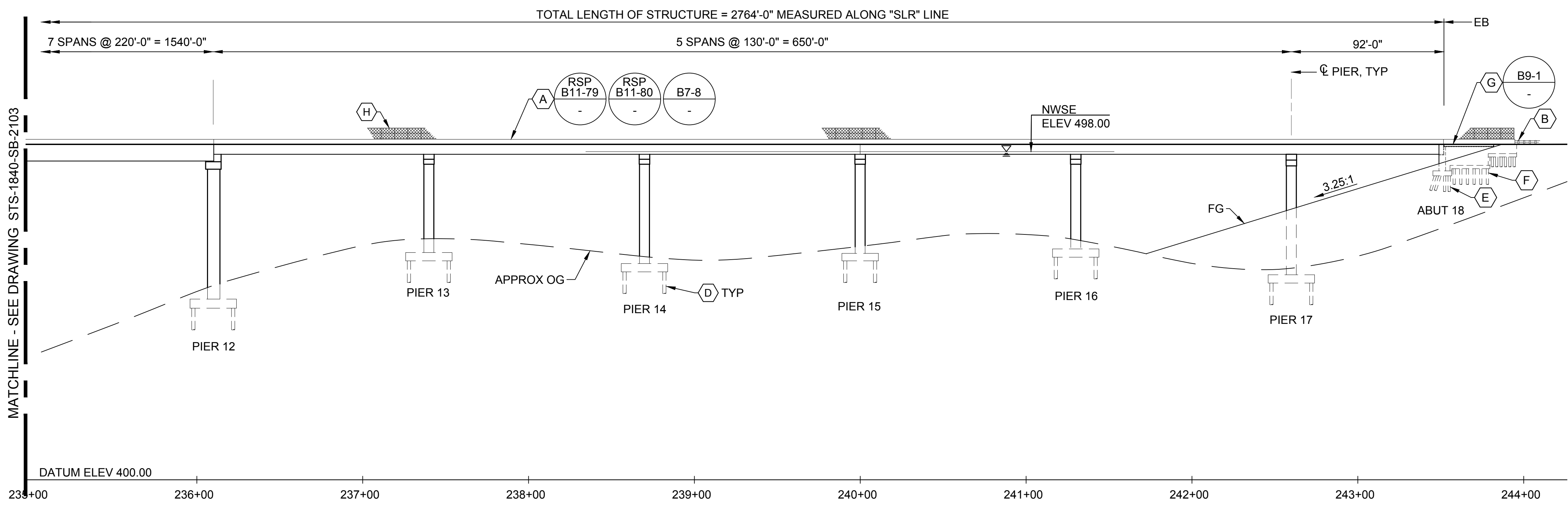
- FOR GENERAL NOTES, SEE "GENERAL PLAN NO. 1" SHEET.
- FOR PILE DATA TABLE, SEE "FOUNDATION PLAN" SHEET.
- FOR TYPICAL SECTIONS, SEE "TYPICAL SECTIONS" SHEET.
- FOR CURVE AND ALIGNMENT DATA, SEE "CIVIL PLANS" SHEETS.
- FOR SURVEY CONTROL DATA, SEE "ROADWAY PLANS".
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND NOTIFY UTILITY AGENCIES PRIOR TO ANY EXCAVATION.
- TRAFFIC WILL NOT PASS UNDER THE BRIDGE DURING CONSTRUCTION

XX-XX REFERENCES CALTRANS STANDARD PLANS

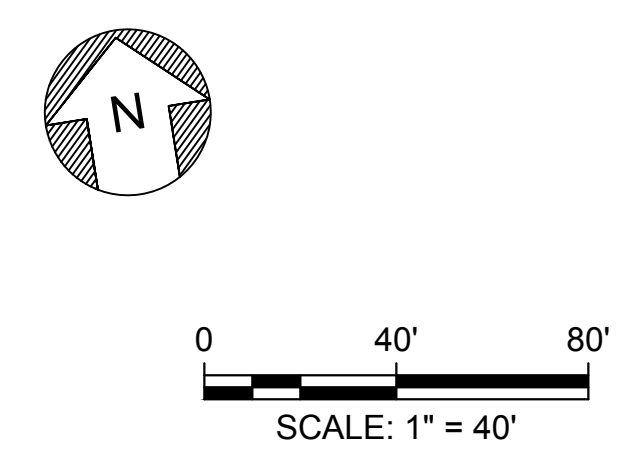
**SHEET KEY NOTES**

- (A) CONCRETE BARRIER TYPE 836 WITH SCUPPER
- (B) MIDWEST GUARDRAIL SYSTEM, SEE "ROADWAY PLANS"
- (C) PAINT "(BRIDGE NAME)" "BRIDGE NO. (NN-NNNN)" AND YEAR CONSTRUCTED
- (D) 24"Ø CAST-IN-DRILLED-HOLE CONCRETE PILE
- (E) CLASS 200 ALT "W" PILE
- (F) CLASS 90 ALT "W" PILE
- (G) STRUCTURE APPROACH TYPE N (30)
- (H) CHAIN LINK RAILING

**KEY MAP**



| CURVE DATA |         |         |         |
|------------|---------|---------|---------|
| CURVE      | R       | Δ       | L       |
| (C1)       | 490.00' | 281.35' | 672.65' |



Plot Date: 3/21/2024 7:46 PM File: C:\pwworking\hdr\_sites\_reservoir\dms01698\STS-1844-SB-0005.dwg Saved By: WALTZT

| REV | DATE | BY | CHK | APPR | DESCRIPTION |
|-----|------|----|-----|------|-------------|
|     |      |    |     |      |             |

DESIGNED BY:  
K. LEE

DRAWN BY:  
T. WALTZ

CHECKED BY:

IN CHARGE:

DATE:



REGISTERED PROFESSIONAL ENGINEER

CALIFORNIA



**SITES RESERVOIR**

SITES RESERVOIR BRIDGE

EAST SITES LODOGA ROAD BRIDGE OVER SITES RESERVOIR

STRUCTURE PLAN

SHEET 3 OF 3

VERIFY SCALES

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

0 40 80

SCALE: 1"= 40'

DRAWING NO. STS-1844-SB-0005

SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

| PILE DATA TABLE |                   |                           |         |                           |                              |                                   |
|-----------------|-------------------|---------------------------|---------|---------------------------|------------------------------|-----------------------------------|
| LOCATION        | PILE TYPE         | NOMINAL RESISTANCE (kips) |         | DESIGN TIP ELEVATION (ft) | SPECIFIED TIP ELEVATION (ft) | NOMINAL DRIVING RESISTANCE (kips) |
|                 |                   | COMPRESSION               | TENSION |                           |                              |                                   |
| Abut 1          | CLASS 200 ALT "W" |                           |         |                           |                              |                                   |
| Abut 18         | CLASS 200 ALT "W" |                           |         |                           |                              |                                   |
| PIERS 2 TO 17   | 24"Ø CIDH         |                           |         |                           |                              |                                   |
| RETAINING WALLS | CLASS 90 ALT "W"  |                           |         |                           |                              |                                   |

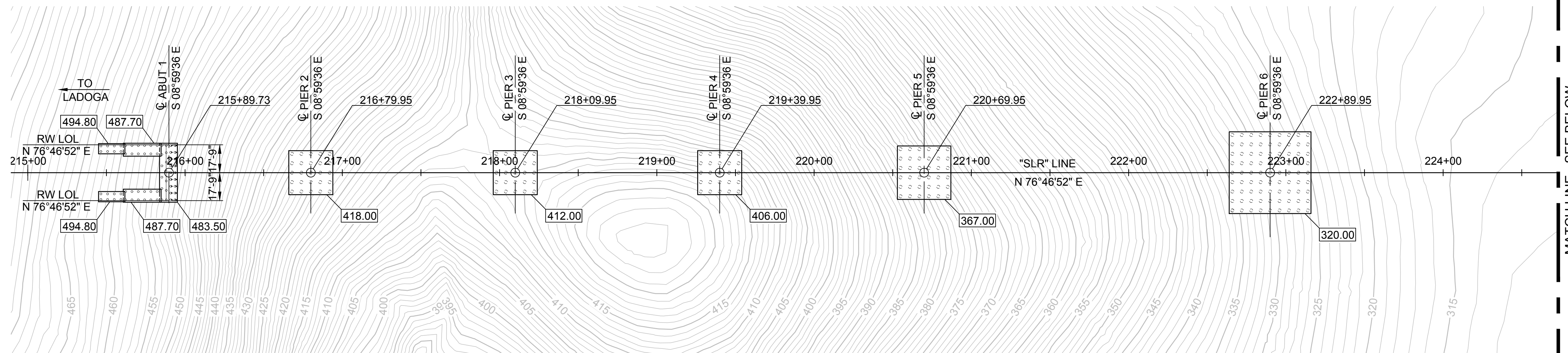
- DESIGN TIP ELEVATION ARE CONTROLLED BY: (A) COMPRESSION, (B) TENSION, (C) SETTLEMENT, (D) LATERAL.
- THE SPECIFIED TIP ELEVATION SHALL NOT BE RAISED ABOVE THE DESIGN TIP TIP ELEVATIONS FOR TENSION, LATERAL, AND TOLERABLE SETTLEMENT.

| BENCHMARK |       |      |           |             |
|-----------|-------|------|-----------|-------------|
| BENCHMARK | NORTH | EAST | ELEVATION | DESCRIPTION |
|           |       |      |           |             |
|           |       |      |           |             |

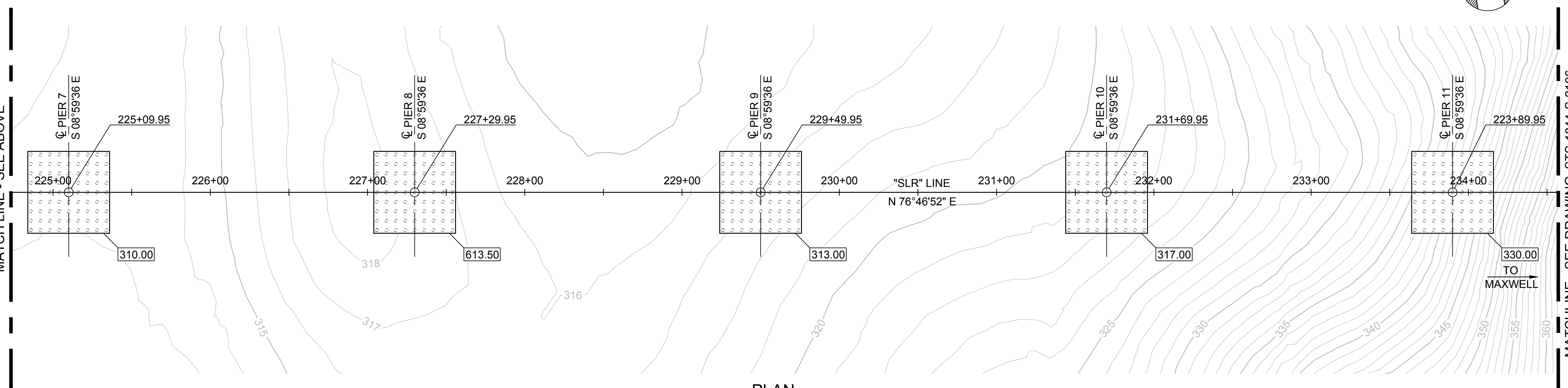
SURVEY CONTROL:  
 HORIZONTAL CONTROL FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE \_\_\_\_\_, US SURVEY FEET. NORTH AMERICAN DATUM OF \_\_\_\_\_, VERTICAL CONTROL IS THE NORTH AMERICAN VERTICAL DATUM \_\_\_\_\_.

**GENERAL NOTES**

- FOR GENERAL NOTES, SEE "GENERAL PLAN" SHEET.
- FOR TYPICAL SECTION, SEE "TYPICAL SECTIONS" SHEET.
- FOR LOCATION OF EXISTING UTILITIES, SEE "ROADWAY PLANS".
- FOR SURVEY CONTROL DATA, SEE "ROADWAY PLANS".
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND NOTIFY UTILITY AGENCIES PRIOR TO ANY EXCAVATION.



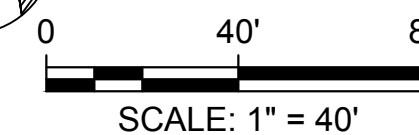
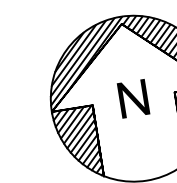
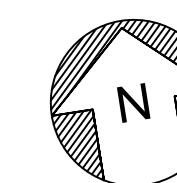
PLAN  
SCALE: 1"= 40'



PLAN  
SCALE: 1"= 40'

**LEGEND:**

- XX.XX BOTTOM OF FOOTING ELEVATION
- CIDH PILES
- ◐ BATTERED CIDH PILES



**SHEET KEY NOTES**



**KEY MAP**



File: C:\pwworking\hdr\_sites\_reservoir\dms01696\STS-1844-SB-1101.dwg  
 Plot Date: 3/21/2024 7:46 PM  
 Saved By: WALTZT

| REV | DATE | BY | CHK | APPR | DESCRIPTION |
|-----|------|----|-----|------|-------------|
|     |      |    |     |      |             |

|              |          |
|--------------|----------|
| DESIGNED BY: | K. LEE   |
| DRAWN BY:    | T. WALTZ |
| CHECKED BY:  |          |
| IN CHARGE:   |          |
| DATE:        |          |

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

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 CALIFORNIA



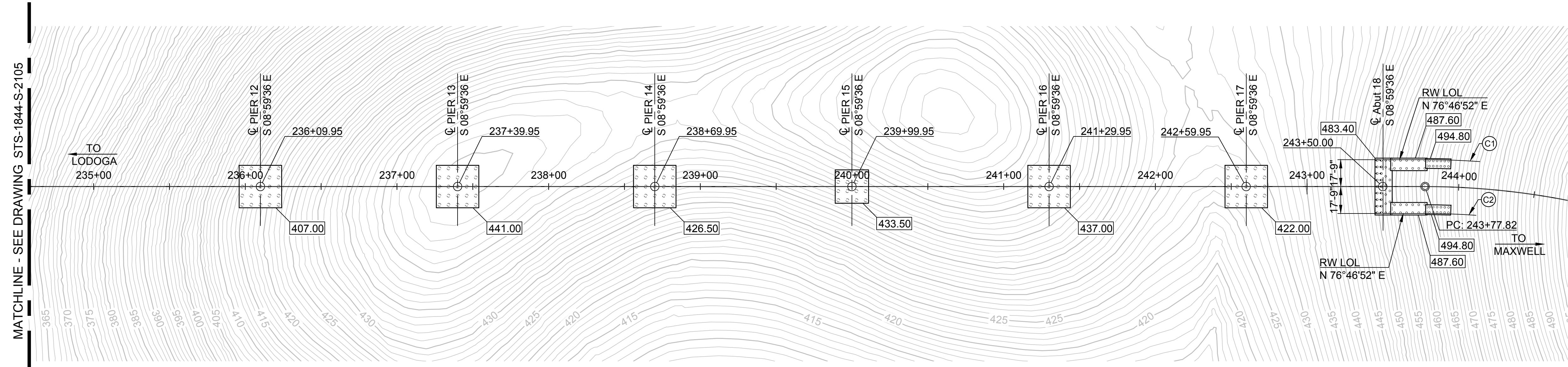
**SITES RESERVOIR**  
 SITES RESERVOIR BRIDGE  
 EAST SITES LODOGA ROAD BRIDGE OVER SITES RESERVOIR  
 FOUNDATION PLAN  
 SHEET 1 OF 2

|               |                                                                      |
|---------------|----------------------------------------------------------------------|
| VERIFY SCALES | BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS |
| DRAWING NO.   | STS-1844-SB-1101                                                     |
| SHT OF        |                                                                      |

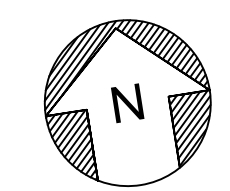
30% SUBMITTAL - NOT FOR CONSTRUCTION

**GENERAL NOTES**

- FOR GENERAL NOTES, SEE "GENERAL PLAN" SHEET.
- FOR TYPICAL SECTION, SEE "TYPICAL SECTIONS" SHEET.
- FOR LOCATION OF EXISTING UTILITIES, SEE "ROADWAY PLANS".
- FOR SURVEY CONTROL DATA, SEE "ROADWAY PLANS".
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND NOTIFY UTILITY AGENCIES PRIOR TO ANY EXCAVATION.

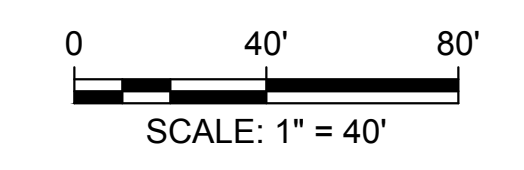


| CURVE DATA |         |       |        |
|------------|---------|-------|--------|
| CURVE      | R       | Δ     | L      |
| (C1)       | 507.75' | 2.01° | 17.82' |
| (C2)       | 472.25' | 2.03° | 16.76' |

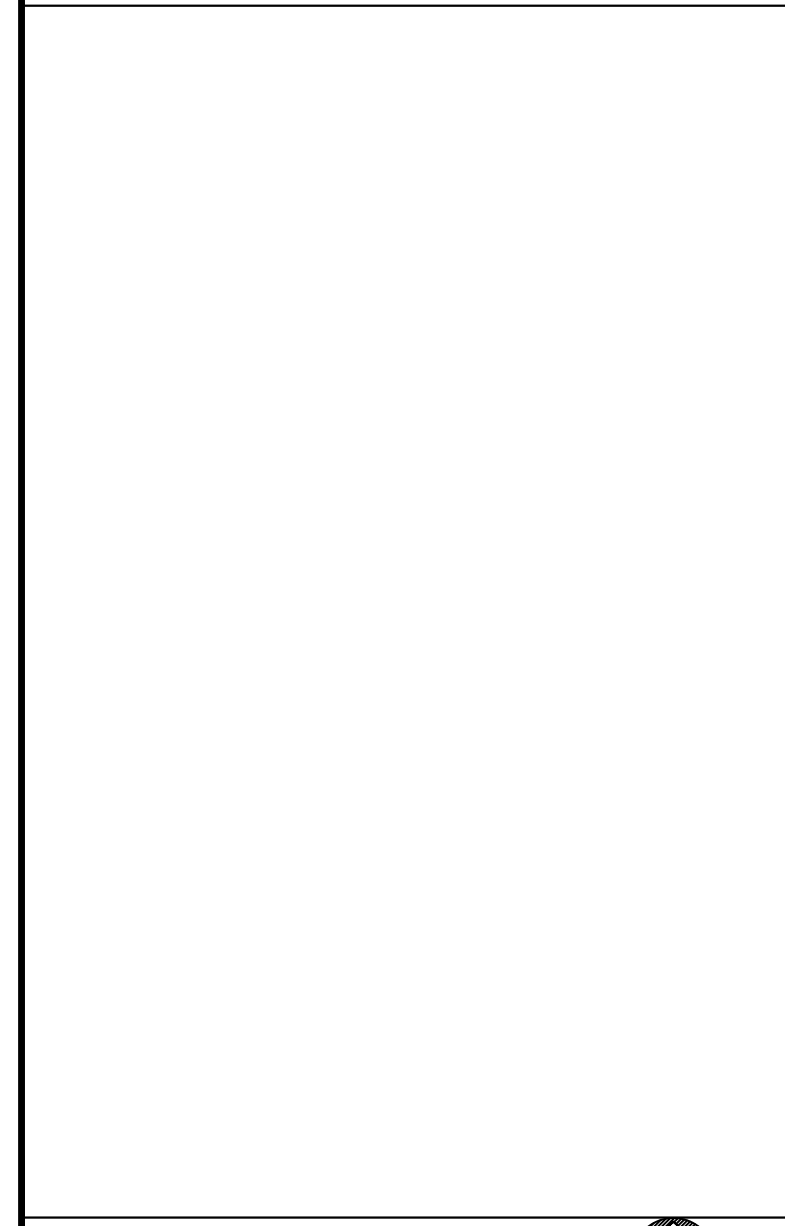


**LEGEND:**

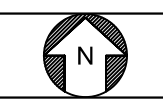
- XX.XX BOTTOM OF FOOTING ELEVATION
- CIDH PILES
- ◐ BATTERED CIDH PILES



**SHEET KEY NOTES**



**KEY MAP**



Plot Date: 3/21/2024 7:46 PM  
 Saved By: WALTZT  
 File: C:\pwworking\hdr\_sites\_reservoir\dms01698\STS-1844-SB-1102.dwg

| REV | DATE | BY | CHK | APPR | DESCRIPTION |
|-----|------|----|-----|------|-------------|
|     |      |    |     |      |             |

DESIGNED BY:  
K. LEE  
 DRAWN BY:  
T. WALTZ  
 CHECKED BY:  
   
 IN CHARGE:  
   
 DATE:



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 ENGINEER  
  
 CALIFORNIA

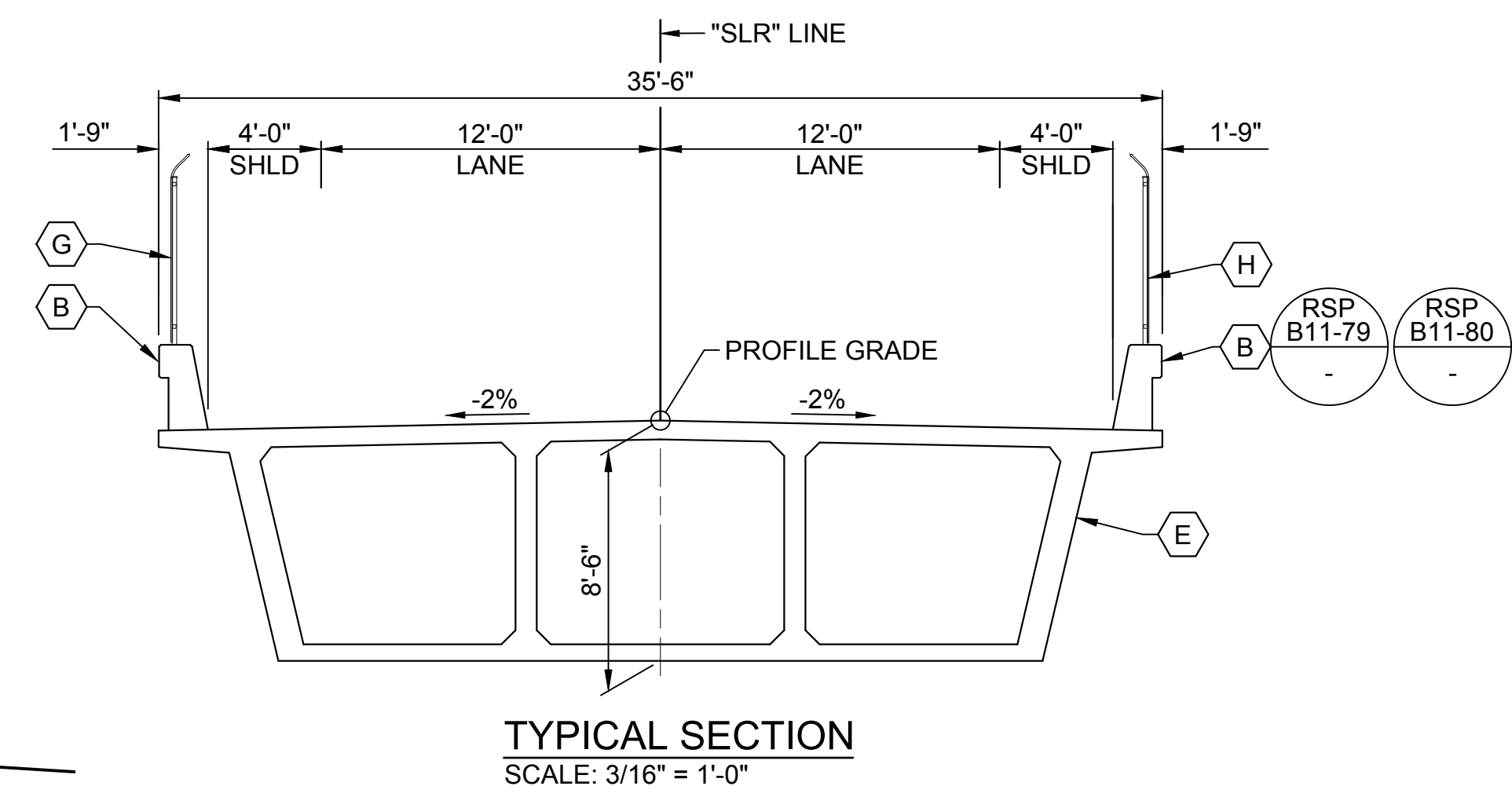
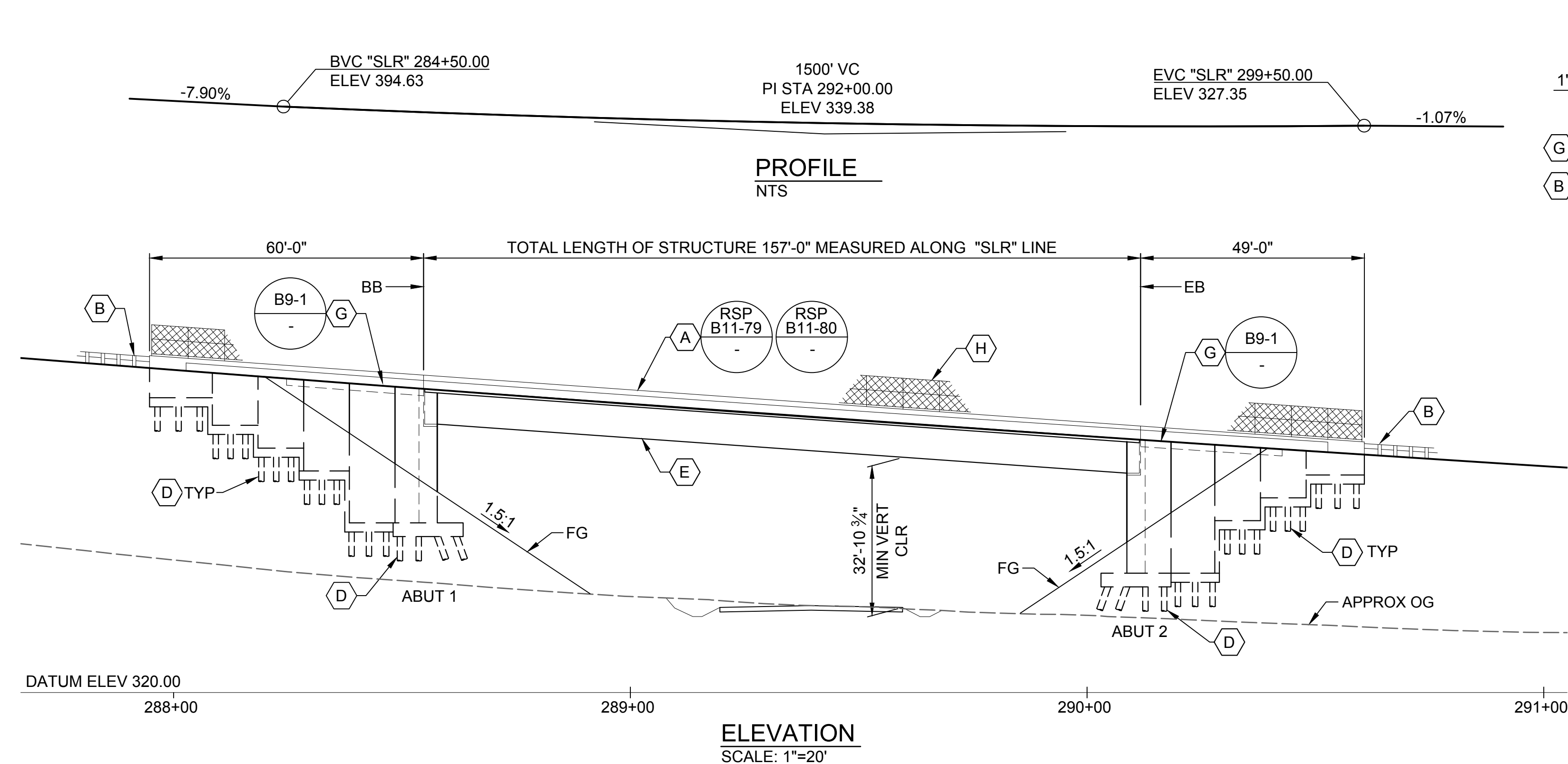


**SITES RESERVOIR**  
 SITES RESERVOIR  
 BRIDGE  
 EAST SITES LODOGA ROAD BRIDGE OVER SITES RESERVOIR  
 FOUNDATION PLAN  
 SHEET 2 OF 2

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

DRAWING NO.  
 STS-1844-SB-1102  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



**INDEX TO PLANS**

| SHEET NO. | TITLE           |
|-----------|-----------------|
| 01        | GENERAL PLAN    |
| 02        | FOUNDATION PLAN |

**GENERAL NOTES**

**LOAD AND RESISTANCE FACTOR DESIGN**

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

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

SEISMIC DESIGN:  
 CALTRANS SEISMIC DESIGN CRITERIA (SDC), VERSION 2.0 DATED APRIL 2019.  
 CALTRANS MEMO TO DESIGNER 20-10 FAULT RUPTURE DATED JANUARY 2013

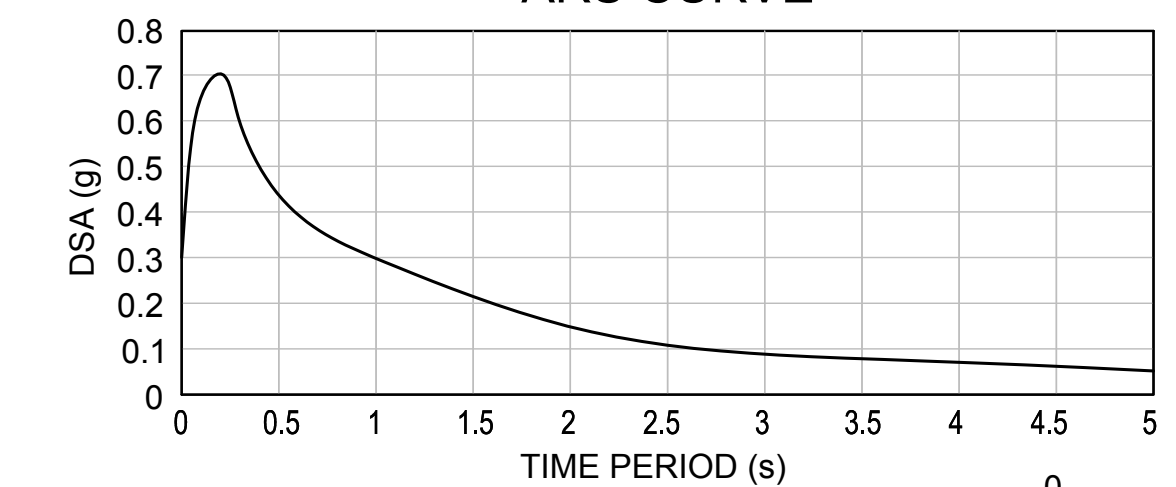
DEAD LOAD:  
 INCLUDES 35 PSF FOR FUTURE WEARING SURFACE. THE DECK LOAD BETWEEN THE GIRDERS HAS BEEN INCREASED BY A FACTOR OF 10% TO ALLOW FOR THE USE OF STEEL DECK FORMS.

LIVE LOAD:  
 HL93 AND PERMIT DESIGN LOAD.

SEISMIC LOADING:  
 SOIL PROFILE: Vs30 = 700 m/sec  
 MOMENT MAGNITUDE: Mmax = 6.89  
 PEAK GROUND ACCELERATION: 0.30g

DESIGN FAULT RUPTURE DISPLACEMENTS  
 HORIZONTAL: 7"  
 VERTICAL: 0"  
 FAULT DIRECTIONS: N 07°45' 36" W  
 ESTIMATED CROSSING: "SLR" LINE STA 285+01.39±

**ARS CURVE**



REINFORCED CONCRETE:  
 fy = 60 ksi  
 fc = 4 ksi



**GENERAL NOTES**

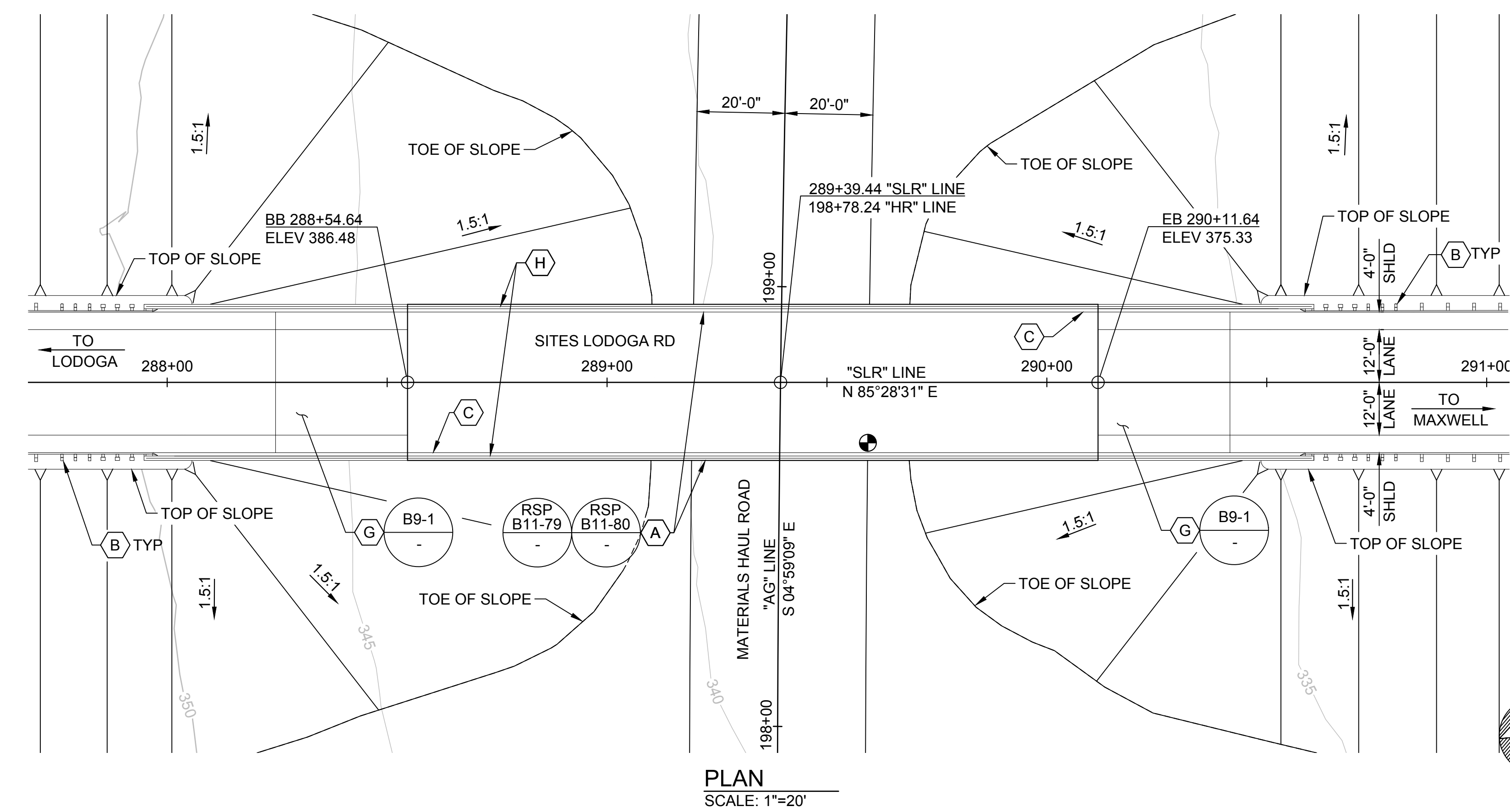
- FOR PILE DATA TABLE, SEE "FOUNDATION PLAN" SHEET.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND NOTIFY UTILITY AGENCIES PRIOR TO ANY EXCAVATION.
- TRAFFIC WILL NOT PASS UNDER THE BRIDGE DURING CONSTRUCTION.

XX-XX REFERENCES CALTRANS STANDARD PLANS

**SHEET KEY NOTES**

- (A) CONCRETE BARRIER TYPE 836
- (B) MIDWEST GUARDRAIL SYSTEM, SEE "ROADWAY PLANS"
- (C) PAINT "(BRIDGE NAME)" "BRIDGE NO. (NN-NNNN)" AND YEAR CONSTRUCTED
- (D) CLASS 200 ALT "W" PILE
- (E) CAST-IN-PLACE PRESTRESSED CONC BOX GIRDER
- (F) CLASS 90 ALT "W" PILE
- (G) STRUCTURE APPROACH TYPE N (30)
- (H) CHAIN LINK RAILING
- (M) MINIMUM VERT CLEARANCE

**KEY MAP**



File: C:\pwworking\hdr\_sitas\_reservoir\dms027373\STS-1848-SB-0001.DWG  
 Plot Date: 3/21/2024 8:14 PM  
 Saved By: WALTZT

| REV | DATE | BY | CHK | APPR | DESCRIPTION |
|-----|------|----|-----|------|-------------|
|     |      |    |     |      |             |

|                        |
|------------------------|
| DESIGNED BY:<br>K. LEE |
| DRAWN BY:<br>T. WALTZ  |
| CHECKED BY:            |
| IN CHARGE:             |
| DATE:                  |

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

REGISTERED PROFESSIONAL ENGINEER  
 CALIFORNIA



**SITES RESERVOIR**

SITES RESERVOIR BRIDGE  
 SITES LODOGA ROAD BRIDGE OVER MATERIALS HAUL ROAD  
 GENERAL PLAN

|                                                                                               |
|-----------------------------------------------------------------------------------------------|
| VERIFY SCALES<br>BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS<br>0 1" |
| DRAWING NO.<br>STS-1848-SB-0001<br>SHT OF                                                     |

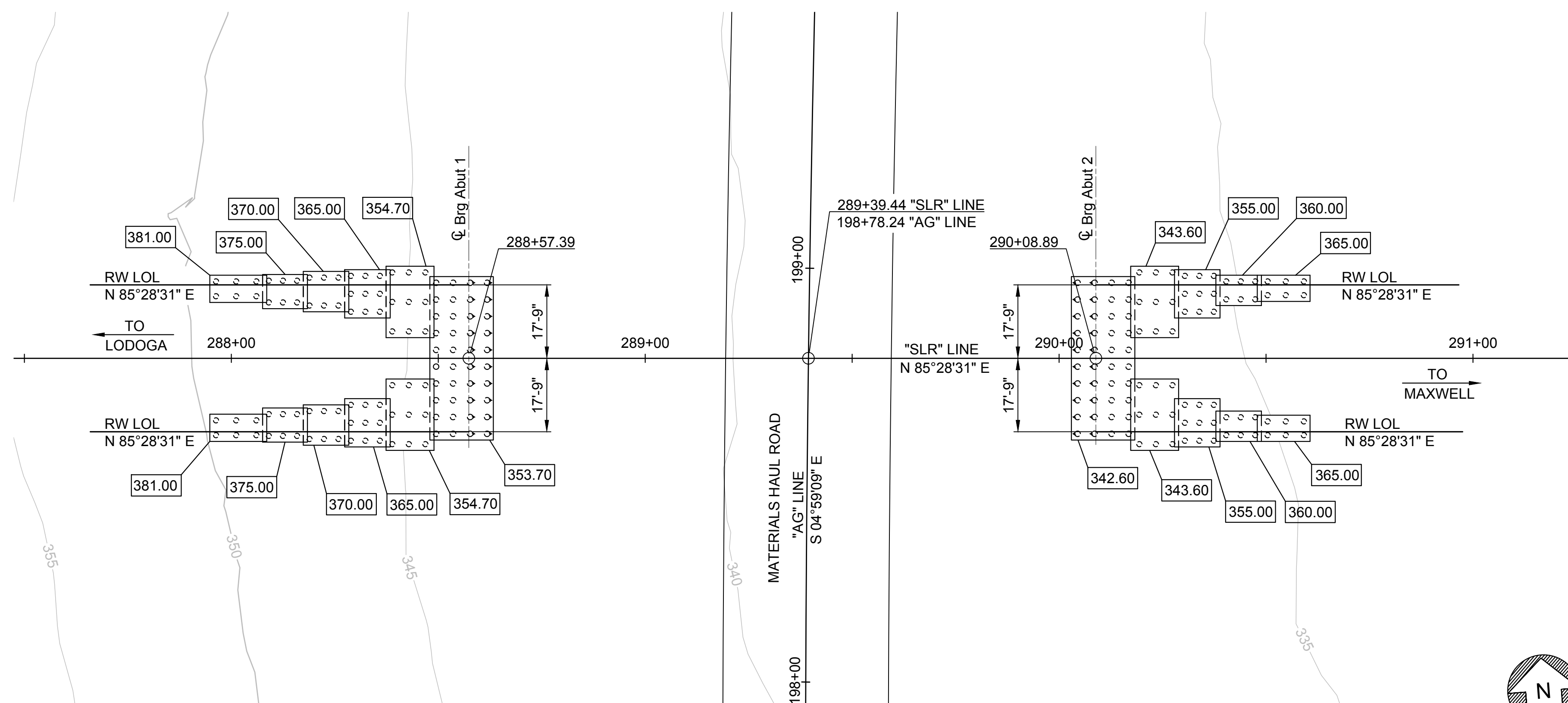
PRELIMINARY - NOT FOR CONSTRUCTION

| PILE DATA TABLE |                   |                           |         |                           |                              |                                   |
|-----------------|-------------------|---------------------------|---------|---------------------------|------------------------------|-----------------------------------|
| LOCATION        | PILE TYPE         | NOMINAL RESISTANCE (kips) |         | DESIGN TIP ELEVATION (ft) | SPECIFIED TIP ELEVATION (ft) | NOMINAL DRIVING RESISTANCE (kips) |
|                 |                   | COMPRESSION               | TENSION |                           |                              |                                   |
| Abut 1          | CLASS 200 ALT "W" |                           |         |                           |                              |                                   |
| Abut 1          | CLASS 200 ALT "W" |                           |         |                           |                              |                                   |
| RETAINING WALL  | CLASS 90 ALT "W"  |                           |         |                           |                              |                                   |

- DESIGN TIP ELEVATION ARE CONTROLLED BY: (A) COMPRESSION, (B) TENSION, (C) SETTLEMENT, (D) LATERAL.
- THE SPECIFIED TIP ELEVATION SHALL NOT BE RAISED ABOVE THE DESIGN TIP TIP ELEVATIONS FOR TENSION, LATERAL, AND TOLERABLE SETTLEMENT.

| BENCHMARK |       |      |           |             |
|-----------|-------|------|-----------|-------------|
| BENCHMARK | NORTH | EAST | ELEVATION | DESCRIPTION |
|           |       |      |           |             |
|           |       |      |           |             |

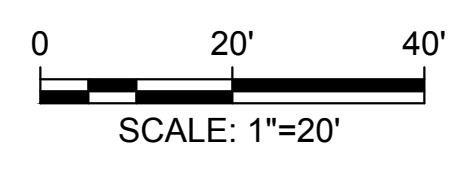
SURVEY CONTROL:  
 HORIZONTAL CONTROL FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE \_\_\_\_\_, US SURVEY FEET. NORTH AMERICAN DATUM OF \_\_\_\_\_, VERTICAL CONTROL IS THE NORTH AMERICAN VERTICAL DATUM \_\_\_\_\_.



PLAN  
SCALE: 1"=20'

LEGEND:

- XX.XX BOTTOM OF FOOTING ELEVATION
- CIDH PILES
- ◐ BATTERED CIDH PILES

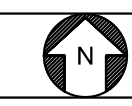


GENERAL NOTES

- FOR GENERAL NOTES, SEE "GENERAL PLAN NO. 1" SHEET.
- FOR TYPICAL SECTION, SEE "GENERAL PLAN NO. 2" SHEET.
- FOR LOCATION OF EXISTING UTILITIES, SEE ROADWAY PLANS.
- FOR SURVEY CONTROL DATA, SEE ROADWAY PLANS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND NOTIFY UTILITY AGENCIES PRIOR TO ANY EXCAVATION.

SHEET KEY NOTES

KEY MAP



Plot Date: 3/21/2024 8:15 PM  
 Saved By: WALTZT  
 File: C:\pwworking\hdr\_sites\_reservoir\dms02737\STS-1848-SB-1101.DWG

| REV | DATE | BY | CHK | APPR | DESCRIPTION |
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|     |      |    |     |      |             |

DESIGNED BY: K. LEE  
 DRAWN BY: T. WALTZ  
 CHECKED BY:  
 IN CHARGE:  
 DATE:



REGISTERED PROFESSIONAL ENGINEER  
 CALIFORNIA

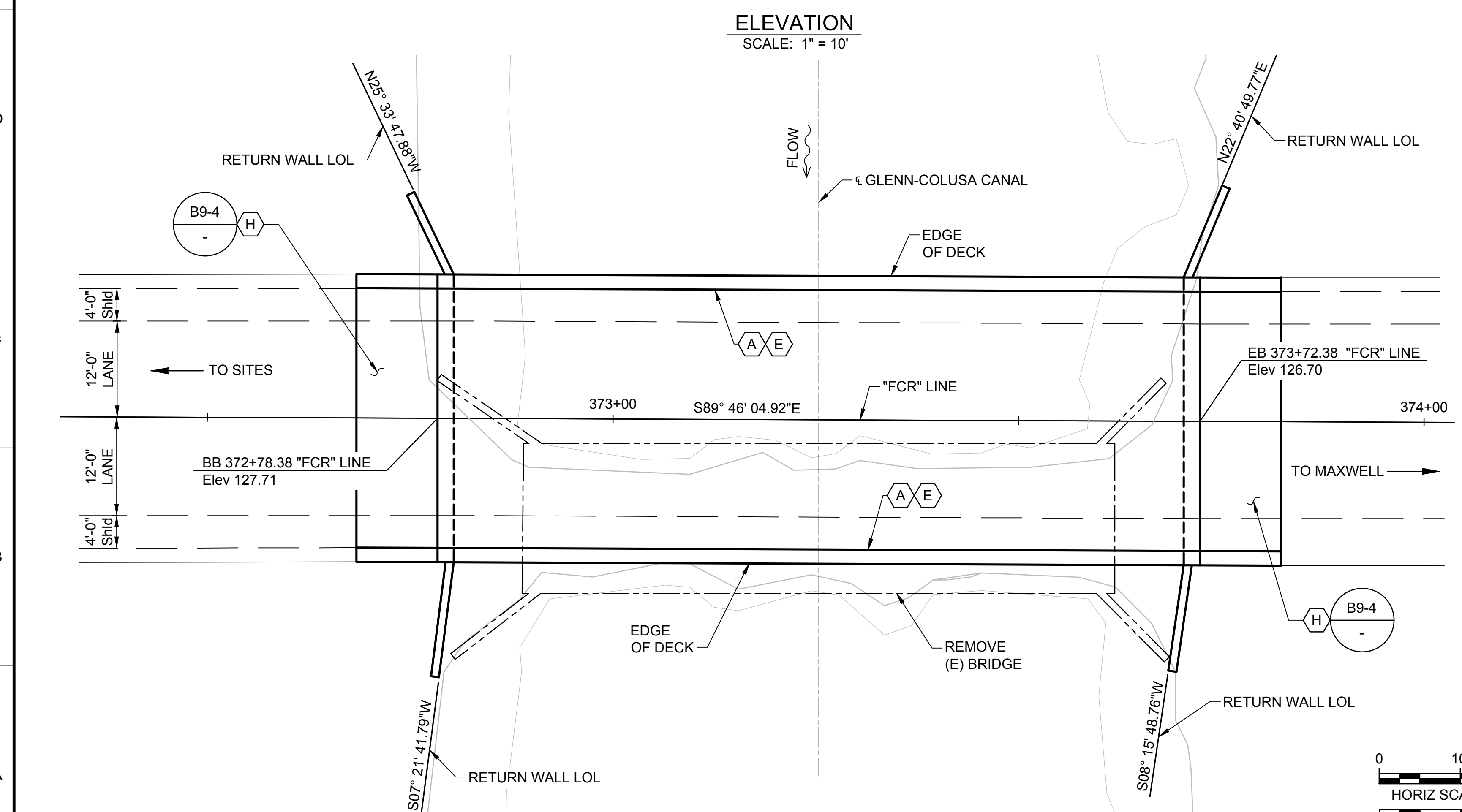
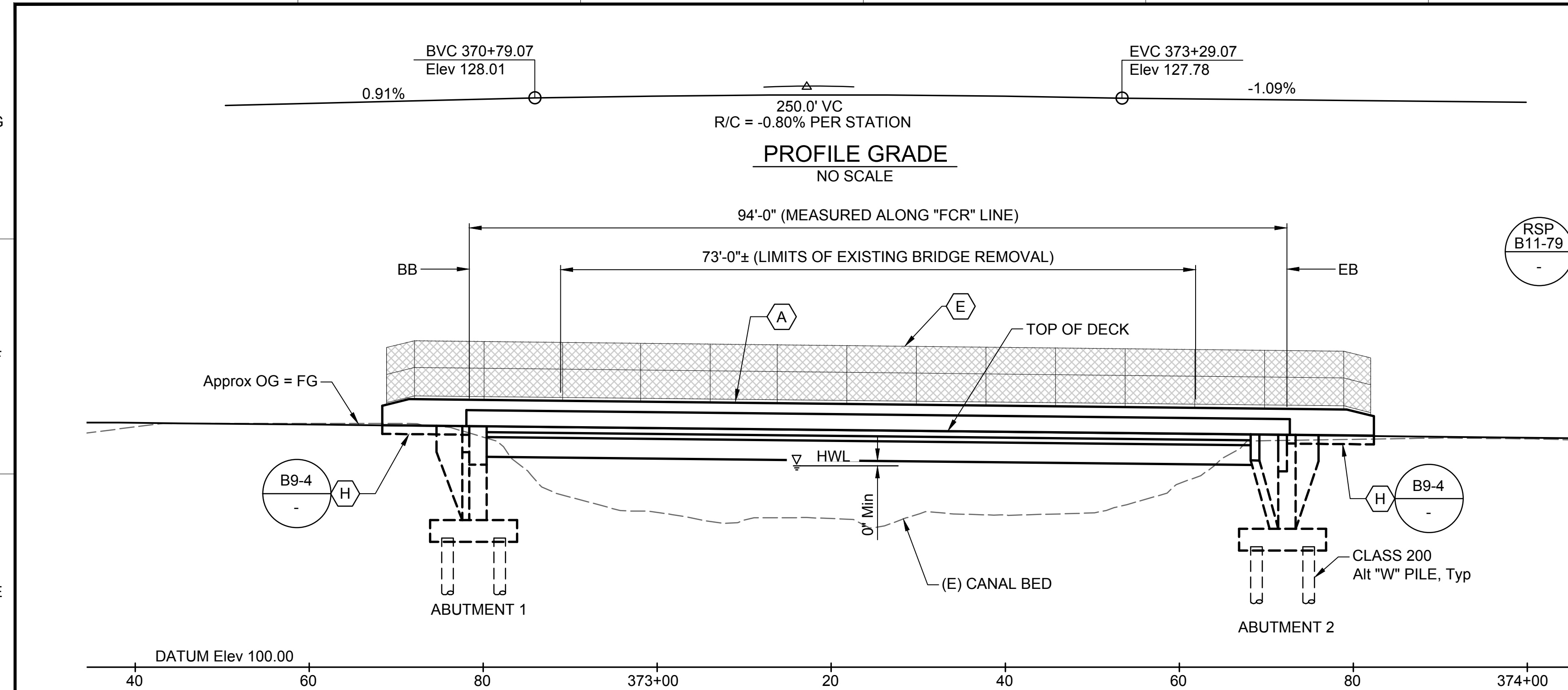


**SITES RESERVOIR**  
 SITES RESERVOIR BRIDGE  
 SITES LODOGA ROAD BRIDGE OVER MATERIALS HAUL ROAD  
 FOUNDATION PLAN

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
 0 1" 1"  
 DRAWING NO. STS-1848-SB-1101  
 SHT OF

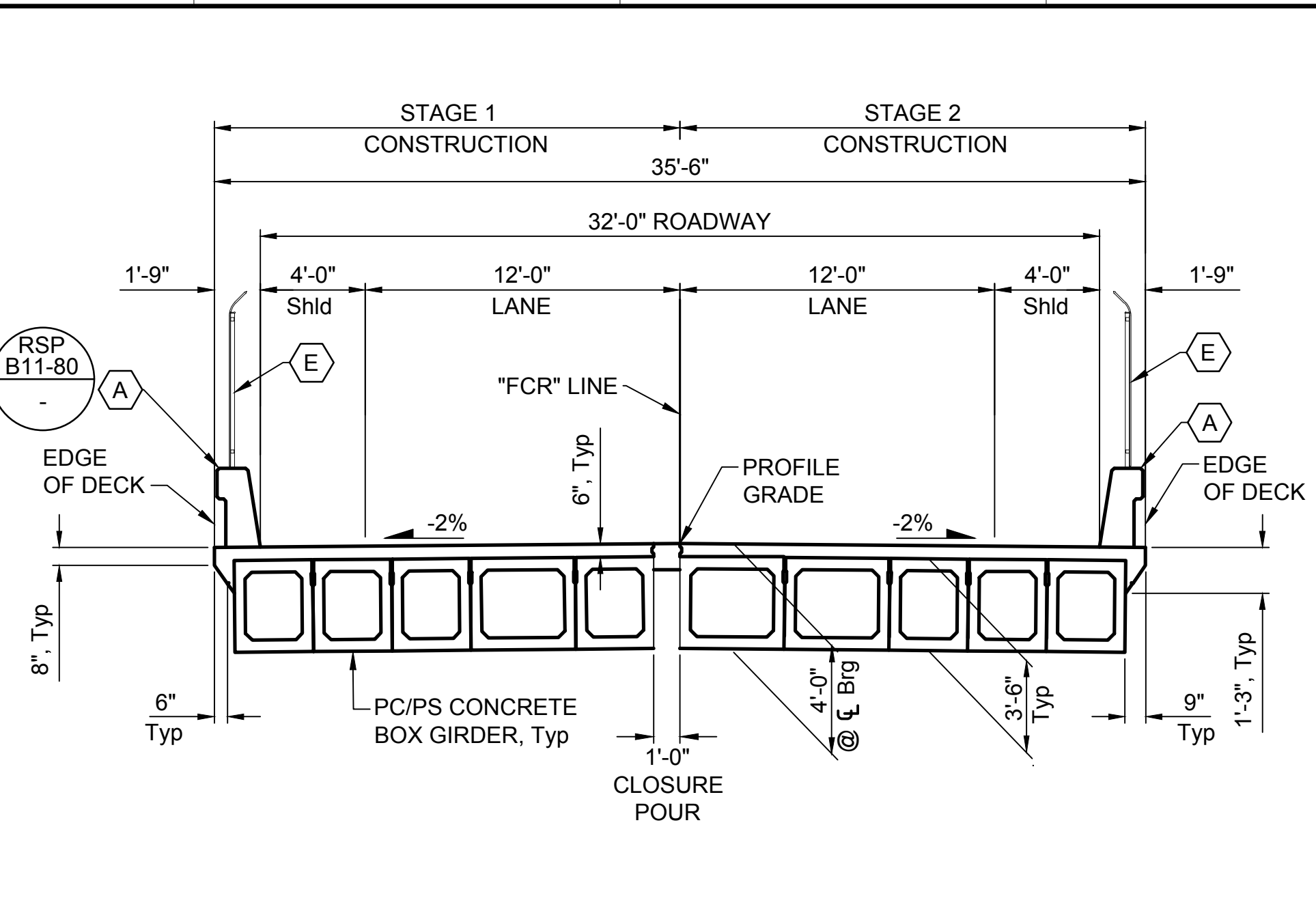
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 File: C:\pwworking\hdc\_sitas\_reservoir\dms02744\STS-1860-SB-0001.dwg



NOTE:  
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

**PLAN**  
SCALE: 1" = 10'



**TYPICAL SECTION**  
SCALE: 1" = 5'

**INDEX TO PLANS**

| SHEET NO. | TITLE           |
|-----------|-----------------|
| 01        | GENERAL PLAN    |
| 02        | FOUNDATION PLAN |

**LEGEND:**

- EXISTING STRUCTURE
- ~> DIRECTION OF FLOW
- ▽ HIGH WATER LEVEL

**GENERAL NOTES**  
**LOAD AND RESISTANCE FACTOR DESIGN**

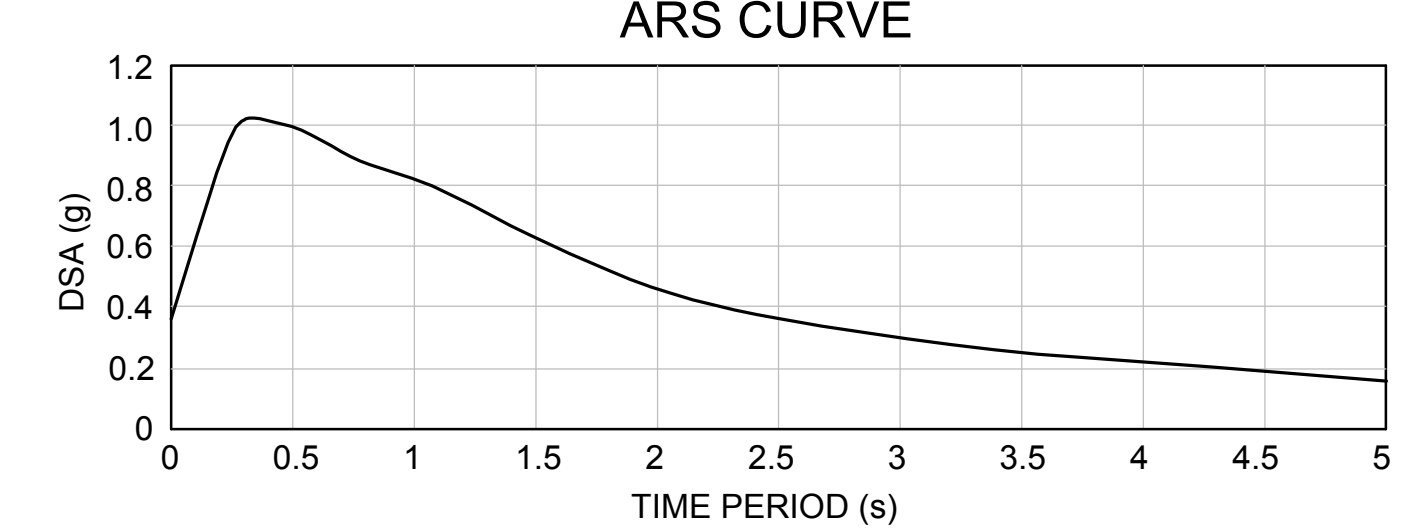
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CALTRANS STANDARD PLANS, 2023 EDITION WITH REVISED STANDARD PLANS, DATED OCTOBER 2023. CALTRANS STRUCTURAL TECHNICAL POLICIES AS OF NOVEMBER 2023.

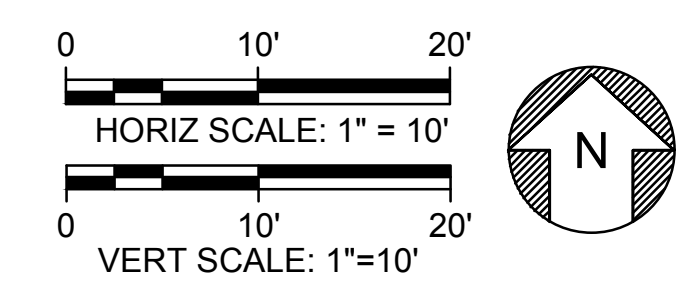
DEAD LOAD:  
INCLUDES 35 PSF FOR FUTURE WEARING SURFACE. THE DECK LOAD BETWEEN THE GIRDERS HAS BEEN INCREASED BY A FACTOR OF 10% TO ALLOW FOR THE USE OF STEEL DECK FORMS.

LIVE LOAD:  
HL93 AND PERMIT DESIGN LOAD.

SEISMIC LOADING:  
SOIL PROFILE: Vs30 = 181 m/sec  
MOMENT MAGNITUDE: Mmax = 6.93  
PEAK GROUND ACCELERATION: 0.36 g



REINFORCED CONCRETE:  
fy = 60 ksi  
fc = 4 ksi



**GENERAL NOTES**

- FOR FOUNDATION, SEE "FOUNDATION PLAN" SHEET.
- XX-XX  
REFERENCES CALTRANS STANDARD PLANS

**SHEET KEY NOTES**

- (A) CONCRETE BARRIER TYPE 836
- (E) CHAIN LINK RAILING
- (H) STRUCTURE APPROACH TYPE EQ (10)

**KEY MAP**

| REV | DATE | BY | CHK. | APPR. | DESCRIPTION |
|-----|------|----|------|-------|-------------|
|     |      |    |      |       |             |

|              |              |
|--------------|--------------|
| DESIGNED BY: | K. LEE       |
| DRAWN BY:    | C. TU        |
| CHECKED BY:  |              |
| IN CHARGE:   | V. DOCTOLERO |
| DATE:        | XX/XX/XX     |

REGISTERED PROFESSIONAL ENGINEER  
XXXX XXXXXXXX  
#####  
CALIFORNIA



**SITES RESERVOIR**  
SITES RESERVOIR BRIDGE  
DELEVAN ROAD BRIDGE OVER GLENN-COLUSA CANAL  
(REPLACE)  
GENERAL PLAN

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
0 1"  
DRAWING NO.  
STS-1860-SB-0001  
SHT X OF XXX

PRELIMINARY - NOT FOR CONSTRUCTION



**GENERAL NOTES**

1. FOR LOCATION OF EXISTING UTILITIES, SEE ROADWAY PLANS.
2. FOR SURVEY CONTROL DATA, SEE ROADWAY PLANS.
3. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND NOTIFY UTILITY AGENCIES PRIOR TO ANY EXCAVATION.

**PILE DATA TABLE**

| LOCATION | PILE TYPE         | NOMINAL RESISTANCE (kips) |         | DESIGN TIP ELEVATION (ft) | SPECIFIED TIP ELEVATION (ft) | NOMINAL DRIVING RESISTANCE (kips) |
|----------|-------------------|---------------------------|---------|---------------------------|------------------------------|-----------------------------------|
|          |                   | COMPRESSION               | TENSION |                           |                              |                                   |
| Abut 1   | CLASS 200 Alt "W" |                           |         |                           |                              |                                   |
| Abut 2   | CLASS 200 Alt "W" |                           |         |                           |                              |                                   |

1. DESIGN TIP ELEVATION ARE CONTROLLED BY: (A) COMPRESSION, (B) TENSION, (C) SETTLEMENT, (D) LATERAL.
2. THE SPECIFIED TIP ELEVATION SHALL NOT BE RAISED ABOVE THE DESIGN TIP TIP ELEVATIONS FOR TENSION, LATERAL, AND TOLERABLE SETTLEMENT.

**BENCHMARK**

| BENCHMARK | NORTH | EAST | ELEVATION | DESCRIPTION |
|-----------|-------|------|-----------|-------------|
|           |       |      |           |             |
|           |       |      |           |             |

SURVEY CONTROL:  
 HORIZONTAL CONTROL FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE \_\_\_\_\_, US SURVEY FEET. NORTH AMERICAN DATUM OF \_\_\_\_\_, VERTICAL CONTROL IS THE NORTH AMERICAN VERTICAL DATUM \_\_\_\_\_.

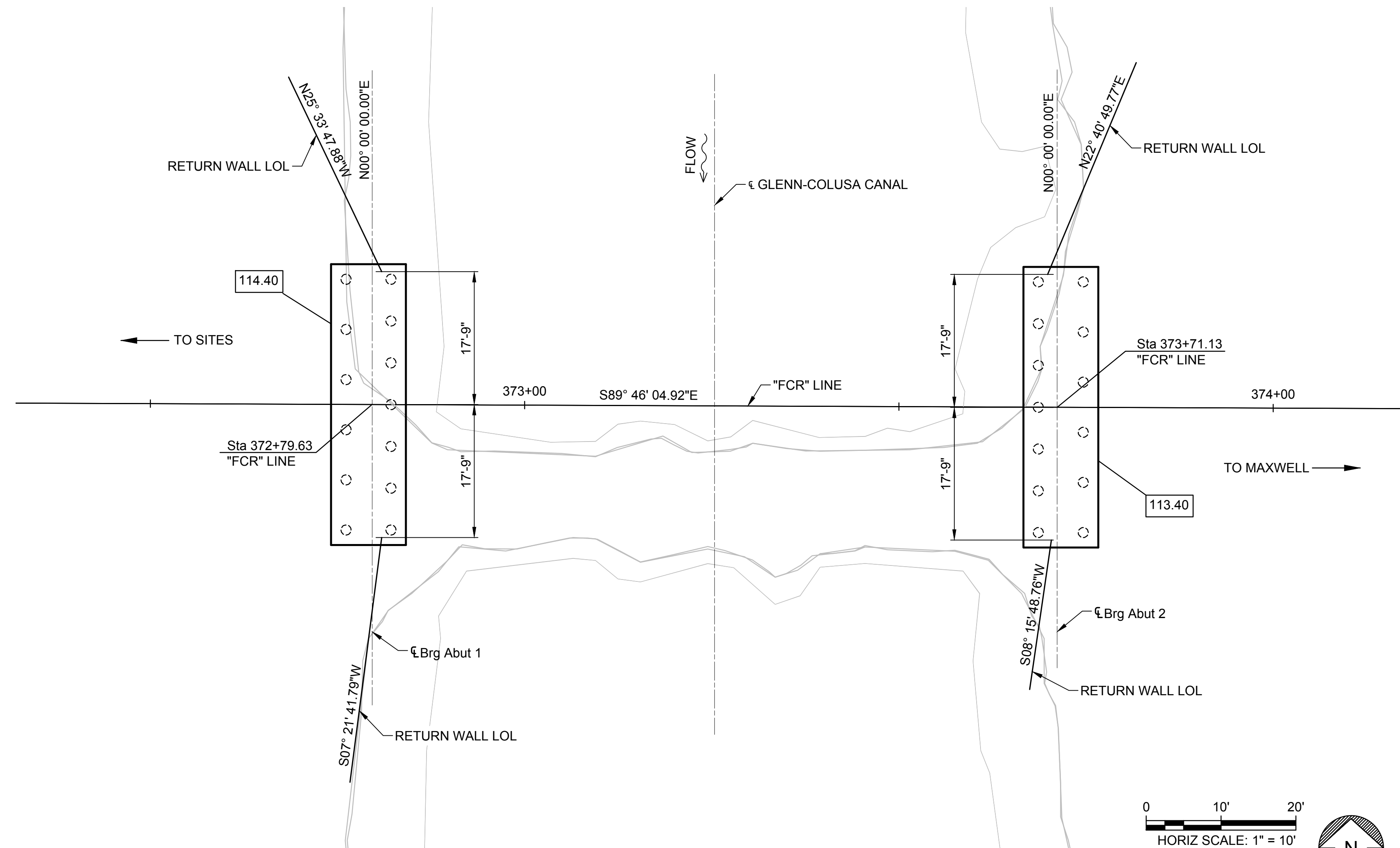
**HYDROLOGIC SUMMARY**

| DRAINAGE AREA: _ SQUARE MILES            | DESIGN FLOOD | BASE FLOOD |
|------------------------------------------|--------------|------------|
|                                          |              |            |
| FREQUENCY (Years)                        |              |            |
| DISCHARGE (Cu.Ft /Second)                |              |            |
| WATER SURFACE (Elevation at Bridge) (Ft) |              |            |

**SCOUR DATA SUMMARY (\*)**

| SUPPORT NO. | LONG TERM (DEGRADATION AND CONTRACTION) SCOUR ELEVATION (Ft) | SHORT TERM (LOCAL) SCOUR ELEVATION (Ft) |
|-------------|--------------------------------------------------------------|-----------------------------------------|
| ABUTMENT 1  |                                                              |                                         |
| ABUTMENT 2  |                                                              |                                         |

(\*) - SCOUR WAS NOT ASSESSED FOR THIS STRUCTURE. THE CHANNEL AT THE EXISTING STRUCTURE IS CONCRETE LINED. ELEVATIONS PROVIDED CORRESPOND WITH FG.



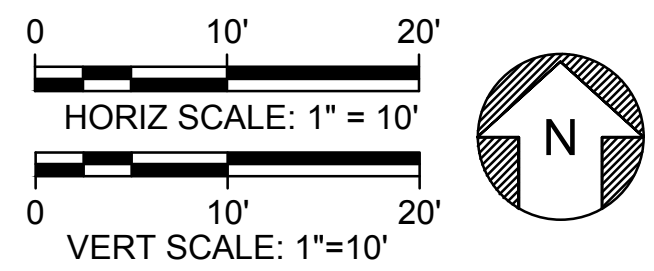
**LEGEND:**

- DIRECTION OF FLOW
- BOTTOM OF FOOTING ELEVATION
- CLASS 200 Alt "W" STEEL PIPE PILE

**NOTES:**

NOTE:  
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

**PLAN**  
 SCALE: 1" = 10'



**SHEET KEY NOTES**

KEY MAP

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 Plot Date: 3/21/2024 6:20 PM  
 Saved By: TUC1

| REV | DATE | BY | CHK | APPR | DESCRIPTION |
|-----|------|----|-----|------|-------------|
|     |      |    |     |      |             |

|                            |
|----------------------------|
| DESIGNED BY:<br>K. LEE     |
| DRAWN BY:<br>C. TU         |
| CHECKED BY:                |
| IN CHARGE:<br>V. DOCTOLERO |
| DATE:<br>XX/XX/XX          |

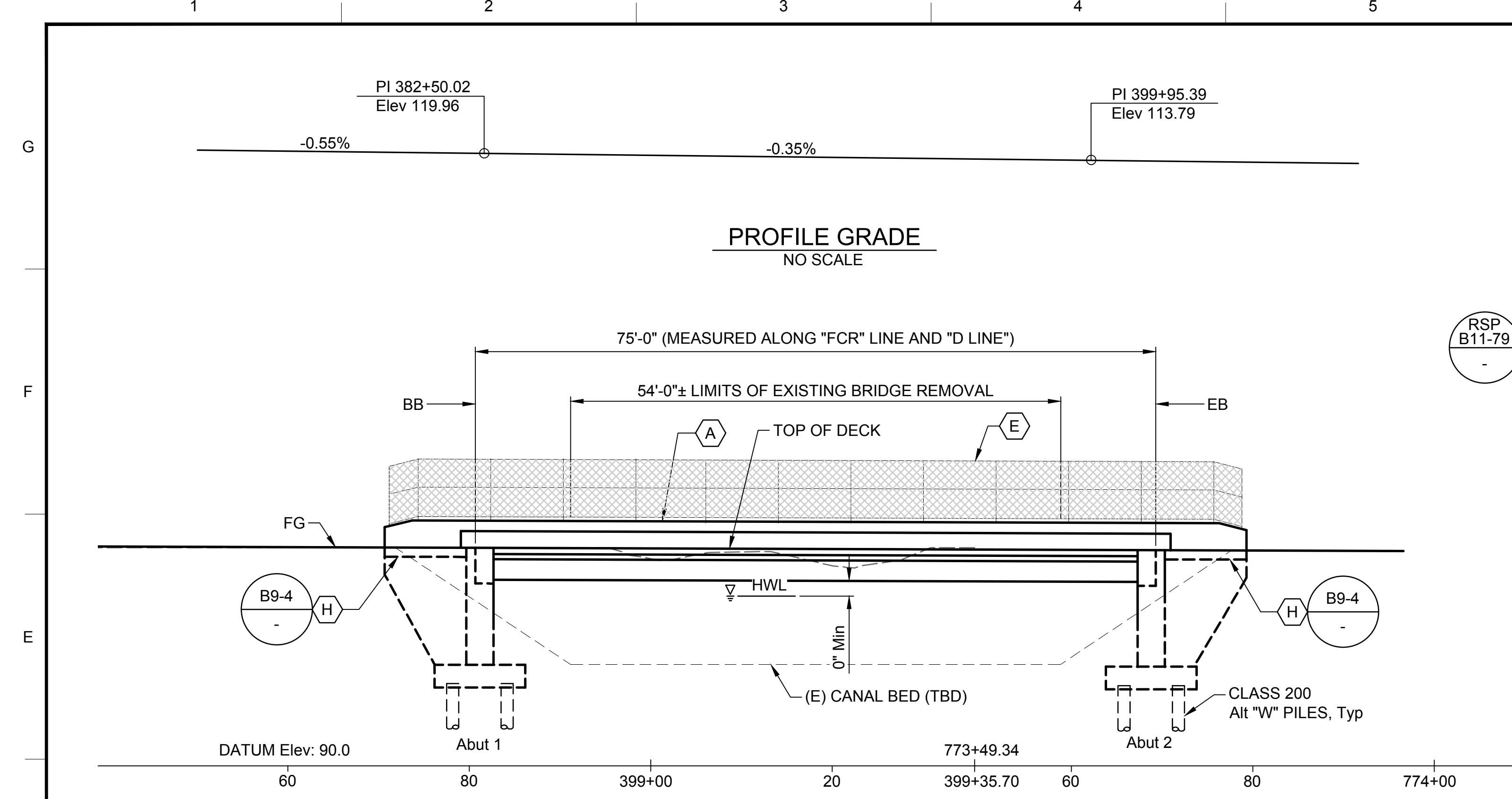
REGISTERED PROFESSIONAL ENGINEER  
 XXXX XXXXXXXX  
 #####  
 CALIFORNIA



**SITES RESERVOIR**  
 SITES RESERVOIR BRIDGE  
 DELEVAN ROAD BRIDGE OVER GLENN-COLUSA CANAL  
 (REPLACE)  
 FOUNDATION PLAN

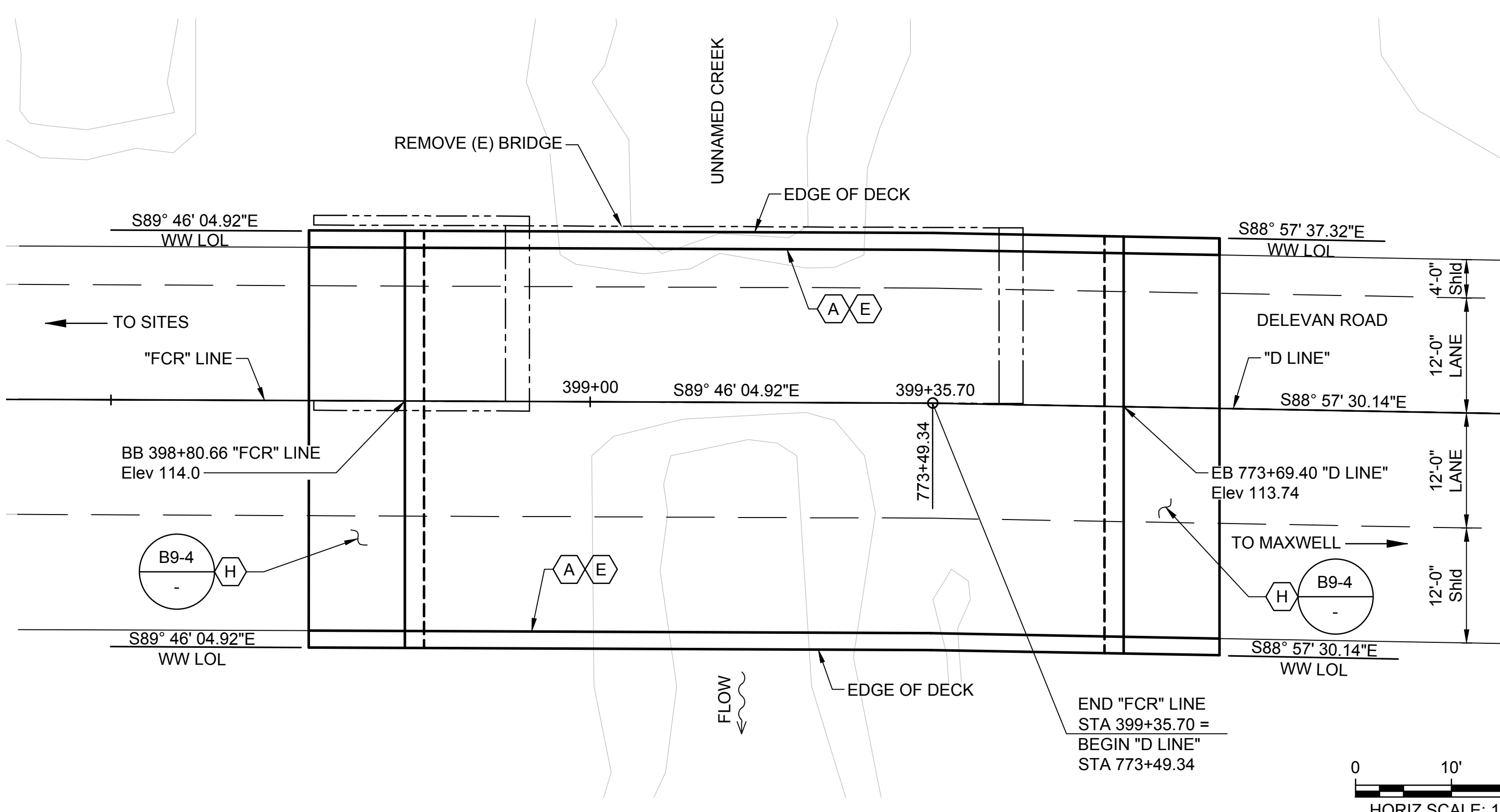
|                                                                                                          |
|----------------------------------------------------------------------------------------------------------|
| VERIFY SCALES<br><small>BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS</small><br> |
| DRAWING NO.<br>STS-1860-SB-1101<br>SHT X OF XXX                                                          |

PRELIMINARY - NOT FOR CONSTRUCTION



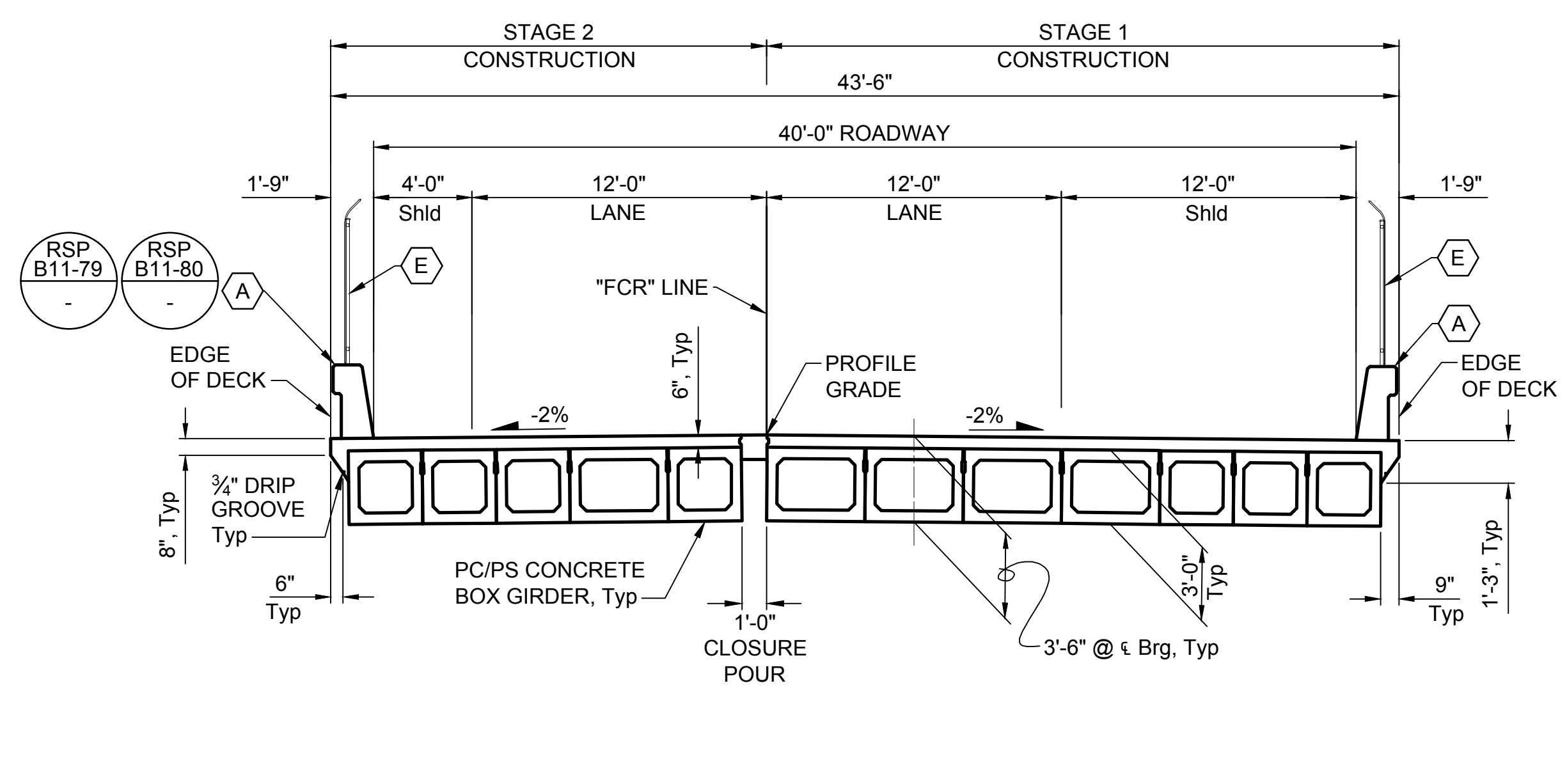
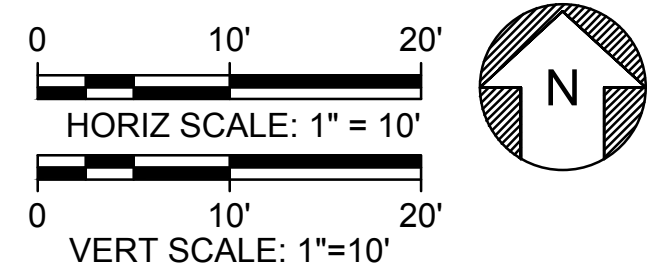
**PROFILE GRADE**  
NO SCALE

**ELEVATION**  
SCALE: 1" = 10'



**PLAN**  
SCALE: 1" = 10'

NOTE:  
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL



**TYPICAL SECTION**  
SCALE: 1" = 5'

**INDEX TO PLANS**

| SHEET NO. | TITLE           |
|-----------|-----------------|
| 01        | GENERAL PLAN    |
| 02        | FOUNDATION PLAN |

**LEGEND:**

- EXISTING STRUCTURE
- ~> DIRECTION OF FLOW
- ▽ HIGH WATER LEVEL

**GENERAL NOTES**  
**LOAD AND RESISTANCE FACTOR DESIGN**

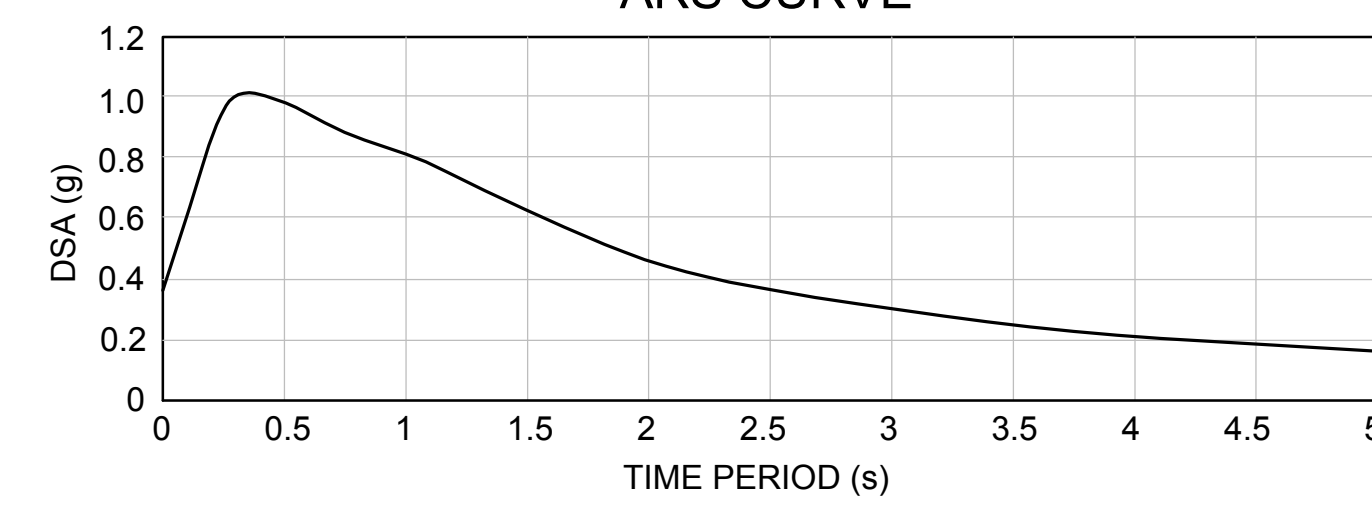
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AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2017 EDITION WITH CALIFORNIA AMENDMENTS, PREFACE DATED DECEMBER 2023.

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

DEAD LOAD:  
INCLUDES 35 PSF FOR FUTURE WEARING SURFACE. THE DECK LOAD BETWEEN THE GIRDERS HAS BEEN INCREASED BY A FACTOR OF 10% TO ALLOW FOR THE USE OF STEEL DECK FORMS.

LIVE LOAD:  
HL93 AND PERMIT DESIGN LOAD.

SEISMIC LOADING:  
SOIL PROFILE: Vs30 = 181 m/sec  
MOMENT MAGNITUDE: Mmax = 6.81  
PEAK GROUND ACCELERATION: 0.36 g



REINFORCED CONCRETE:  
fy = 60 ksi  
fc = 4 ksi

**GENERAL NOTES**

- FOR FOUNDATION, SEE "FOUNDATION PLAN" SHEET.
- XX-XX REFERENCES CALTRANS STANDARD PLANS

**SHEET KEY NOTES**

- (A) CONCRETE BARRIER TYPE 836
- (E) CHAIN LINK RAILING
- (H) STRUCTURE APPROACH TYPE EQ (10)

**SITES RESERVOIR**  
**DELEVAN ROAD EXTENSION**  
**BRIDGE**  
**DELEVAN RD BRIDGE OVER UNNAMED CREEK (REPLACE)**  
**GENERAL PLAN**

**VERIFY SCALES**  
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
0 1"  
DRAWING NO.  
STS-1864-SB-0001  
SHT OF

Plot Date: 3/21/2024 10:38 AM File: C:\pwworking\hdr\_sitas\_reservoir\dms02748\STS-1864-SB-0001.dwg Saved By: TUC1

| REV | DATE | BY | CHK | APPR | DESCRIPTION |
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|     |      |    |     |      |             |

|              |             |
|--------------|-------------|
| DESIGNED BY: | K. LEE      |
| DRAWN BY:    | C. TU       |
| CHECKED BY:  | X. XXXXXXXX |
| IN CHARGE:   | X. XXXXXXXX |
| DATE:        | XX/XX/XX    |

REGISTERED PROFESSIONAL ENGINEER  
XXXX XXXXXXXX  
#####  
CALIFORNIA



PRELIMINARY - NOT FOR CONSTRUCTION

**GENERAL NOTES**

- FOR LOCATION OF EXISTING UTILITIES, SEE ROADWAY PLANS.
- FOR SURVEY CONTROL DATA, SEE ROADWAY PLANS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND NOTIFY UTILITY AGENCIES PRIOR TO ANY EXCAVATION.

**PILE DATA TABLE**

| LOCATION | PILE TYPE         | NOMINAL RESISTANCE (kips) |         | DESIGN TIP ELEVATION (ft) | SPECIFIED TIP ELEVATION (ft) | NOMINAL DRIVING RESISTANCE (kips) |
|----------|-------------------|---------------------------|---------|---------------------------|------------------------------|-----------------------------------|
|          |                   | COMPRESSION               | TENSION |                           |                              |                                   |
| Abut 1   | CLASS 200 Alt "W" |                           |         |                           |                              |                                   |
| Abut 2   | CLASS 200 Alt "W" |                           |         |                           |                              |                                   |

- DESIGN TIP ELEVATION ARE CONTROLLED BY: (A) COMPRESSION, (B) TENSION, (C) SETTLEMENT, (D) LATERAL.
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**BENCHMARK**

| BENCHMARK | NORTH | EAST | ELEVATION | DESCRIPTION |
|-----------|-------|------|-----------|-------------|
|           |       |      |           |             |
|           |       |      |           |             |

SURVEY CONTROL:  
 HORIZONTAL CONTROL FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE \_\_\_\_, US SURVEY FEET. NORTH AMERICAN DATUM OF \_\_\_\_, VERTICAL CONTROL IS THE NORTH AMERICAN VERTICAL DATUM \_\_\_\_.

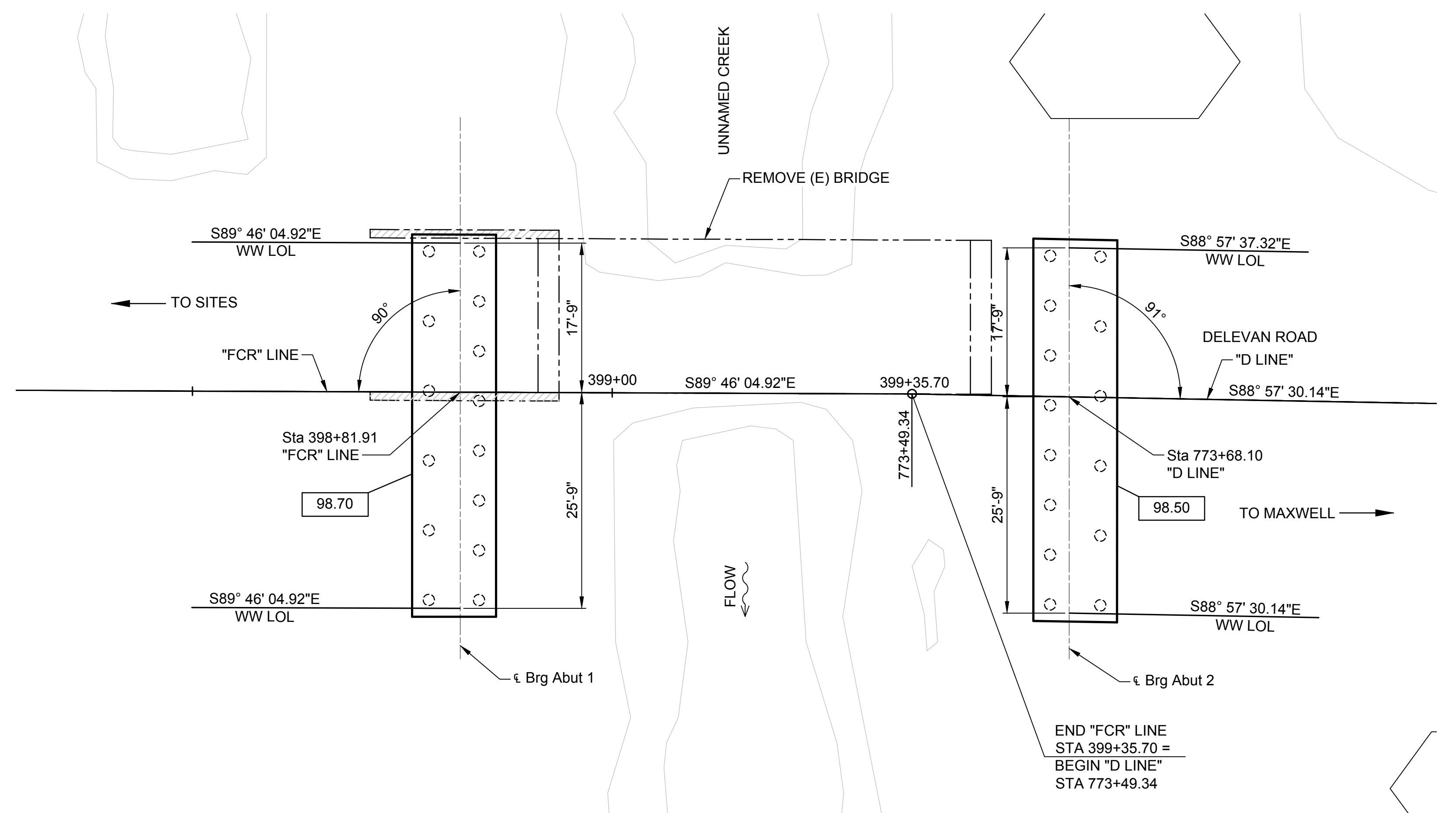
**HYDROLOGIC SUMMARY**

| DRAINAGE AREA: _ SQUARE MILES            | DESIGN FLOOD | BASE FLOOD |
|------------------------------------------|--------------|------------|
| FREQUENCY (Years)                        | 50           | 100        |
| DISCHARGE (Cu.Ft/Second)                 | 57           | 64         |
| WATER SURFACE (Elevation at Bridge) (Ft) | 104.11       | 104.33     |

**SCOUR DATA SUMMARY (\*)**

| SUPPORT NO. | LONG TERM (DEGRADATION AND CONTRACTION) SCOUR ELEVATION (Ft) | SHORT TERM (LOCAL) SCOUR ELEVATION (Ft) |
|-------------|--------------------------------------------------------------|-----------------------------------------|
| ABUTMENT 1  | XXX.XX                                                       | X.X                                     |
| ABUTMENT 2  | XXX.XX                                                       | X.X                                     |

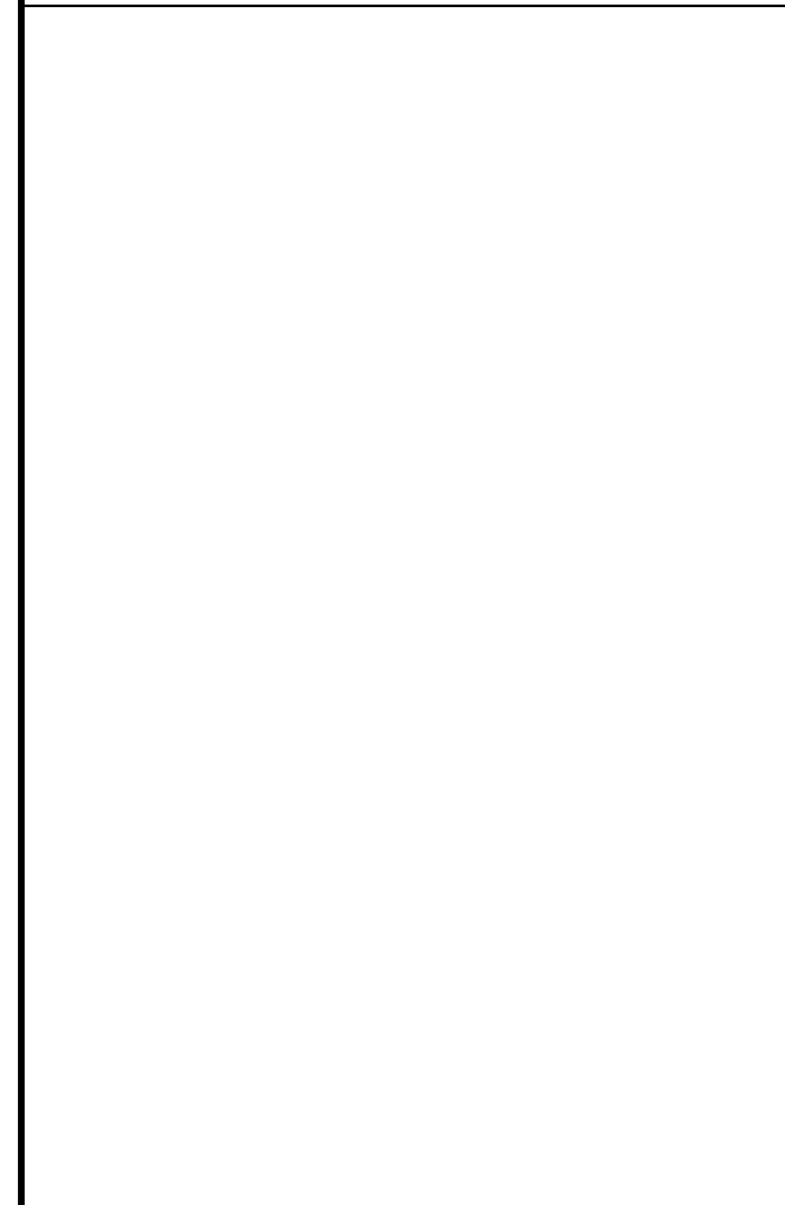
(\*) - SCOUR WAS NOT ASSESSED FOR THIS STRUCTURE. THE CHANNEL AT THE EXISTING STRUCTURE IS CONCRETE LINED. ELEVATIONS PROVIDED CORRESPOND WITH FG.



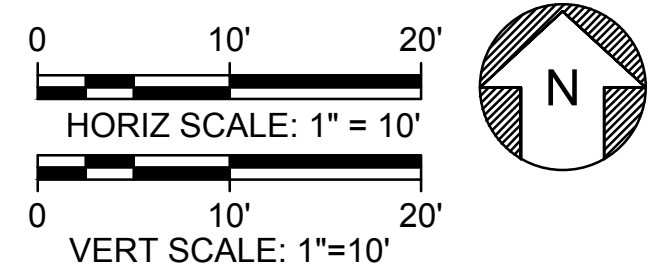
**LEGEND:**

- DIRECTION OF FLOW
- BOTTOM OF FOOTING ELEVATION
- CLASS 200 Alt "W" STEEL PIPE PILE
- BRIDGE REMOVAL

**SHEET KEY NOTES**



**PLAN**  
SCALE: 1" = 10'



NOTE:  
 THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

Plot Date: 3/21/2024 6:35 PM  
 Saved By: TUC1  
 File: C:\pwworking\hdr\_sites\_reservoir\hms02748\STS-1864-SB-1101.dwg

| REV | DATE | BY | CHK. | APPR. | DESCRIPTION |
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|              |             |
|--------------|-------------|
| DESIGNED BY: | K. LEE      |
| DRAWN BY:    | C. TU       |
| CHECKED BY:  | X. XXXXXXXX |
| IN CHARGE:   | X. XXXXXXXX |
| DATE:        | XX/XX/XX    |

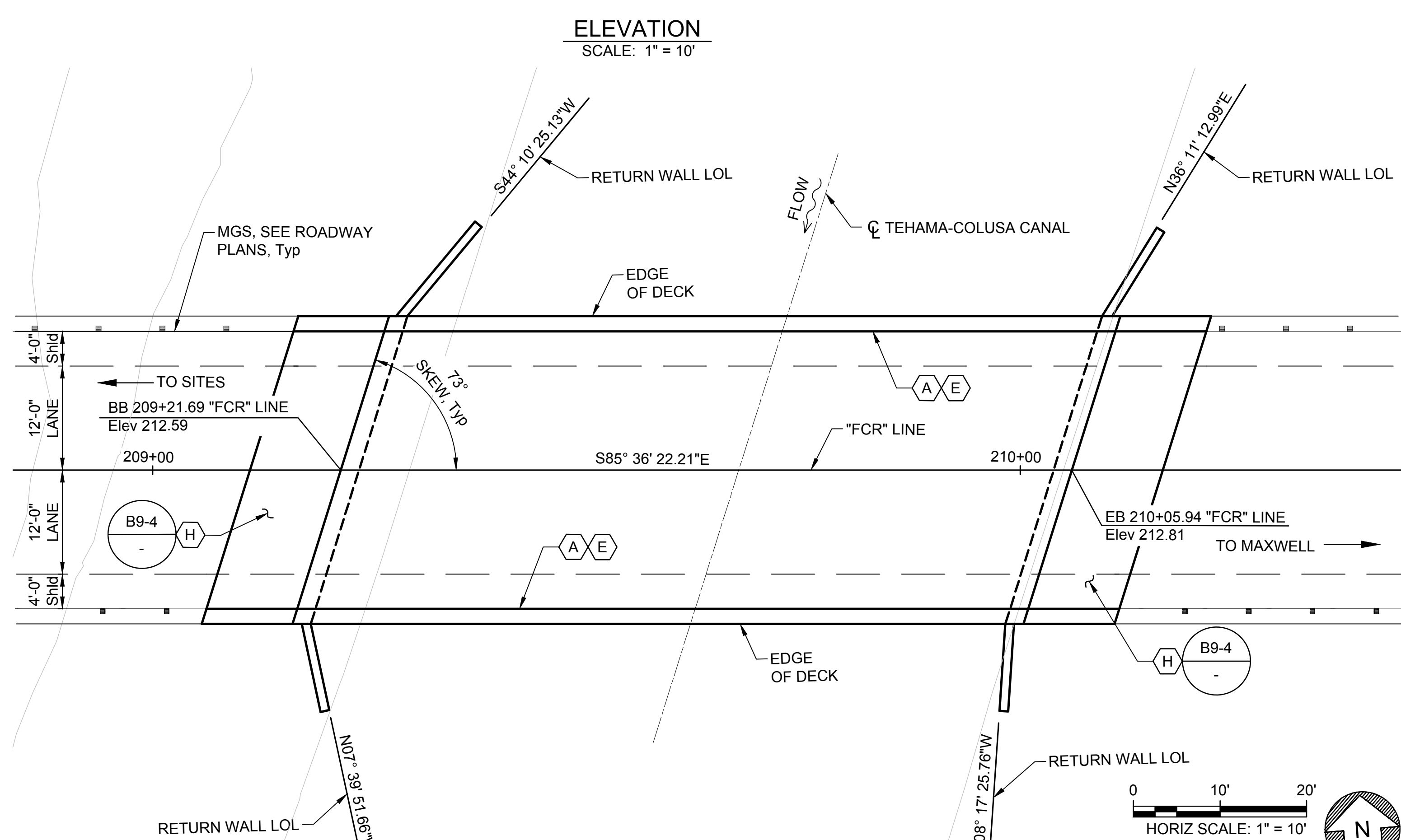
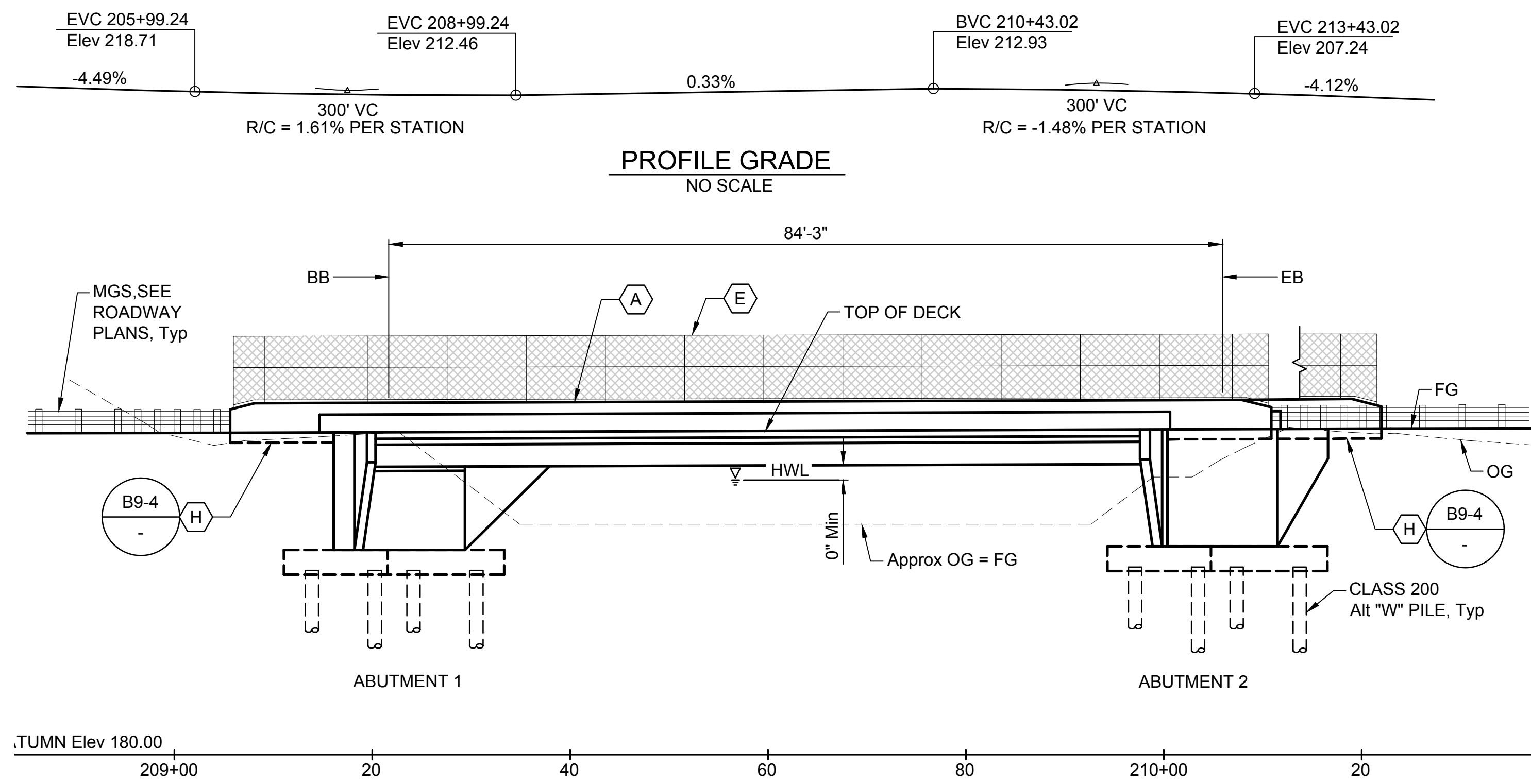
REGISTERED PROFESSIONAL ENGINEER  
 XXXX XXXXXXXX  
 #####  
 CALIFORNIA



**SITES RESERVOIR**  
 DELEVAN ROAD EXTENSION  
 BRIDGE  
 DELEVAN RD BRIDGE OVER UNNAMED CREEK (REPLACE)  
 FOUNDATION PLAN

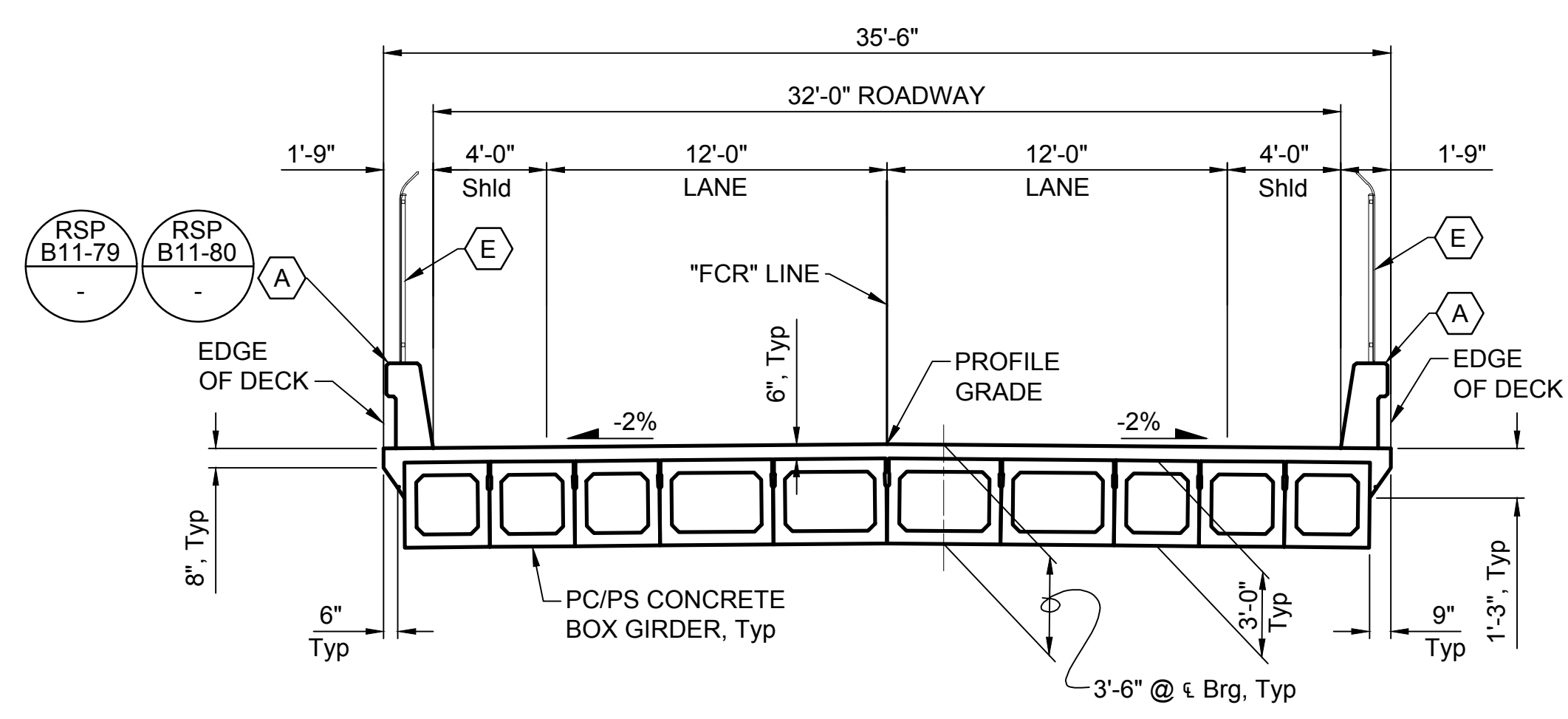
VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
 0 1"  
 DRAWING NO.  
 STS-1864-SB-1101  
 SHT OF

PRELIMINARY - NOT FOR CONSTRUCTION



NOTE:  
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

**PLAN**  
SCALE: 1" = 10'



**SECTION**  
SCALE: 1" = 5'

**INDEX TO PLANS**

| SHEET NO. | TITLE           |
|-----------|-----------------|
| 01        | GENERAL PLAN    |
| 02        | FOUNDATION PLAN |

**LEGEND:**

|  |                    |
|--|--------------------|
|  | EXISTING STRUCTURE |
|  | DIRECTION OF FLOW  |
|  | HIGH WATER LEVEL   |

**GENERAL NOTES**  
**LOAD AND RESISTANCE FACTOR DESIGN**

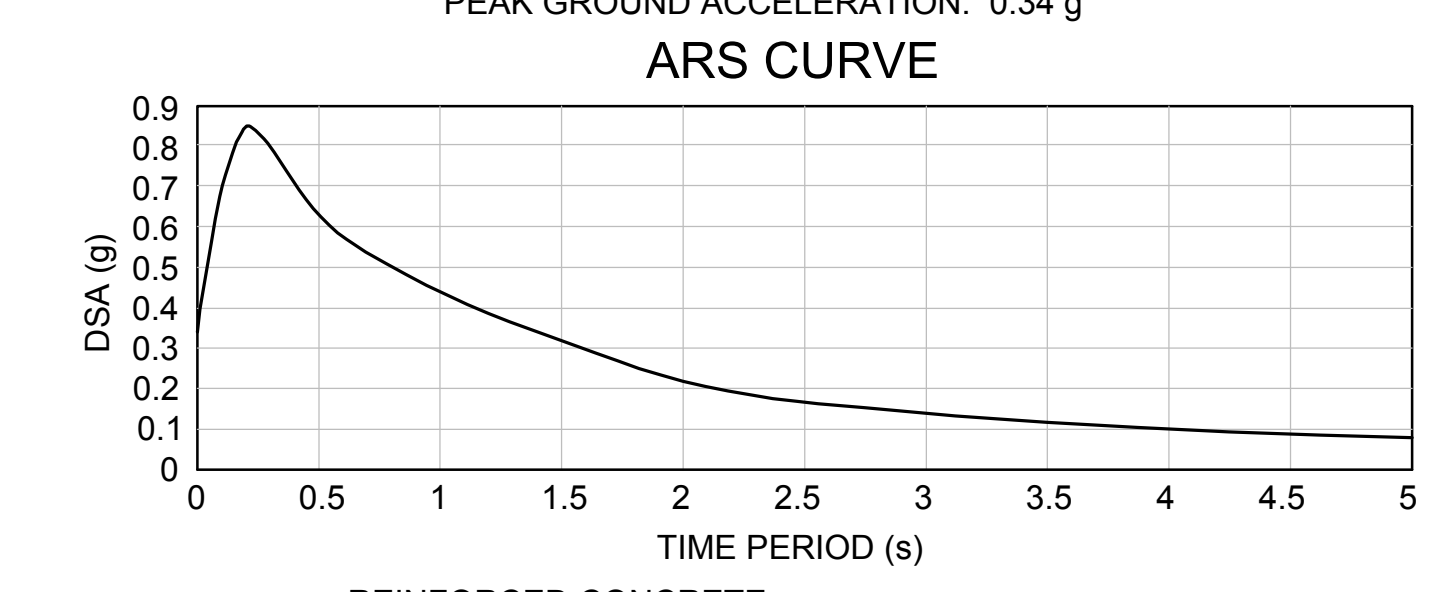
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CALTRANS STANDARD PLANS, 2023 EDITION WITH REVISED STANDARD PLANS, DATED OCTOBER 2023. CALTRANS STRUCTURAL TECHNICAL POLICIES AS OF NOVEMBER 2023.

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LIVE LOAD:  
HL93 AND PERMIT DESIGN LOAD.

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



REINFORCED CONCRETE:  
fy = 60 ksi  
fc = 4 ksi

**GENERAL NOTES**  
1. FOR FOUNDATION, SEE "FOUNDATION PLAN" SHEET.  
XX-XX REFERENCES CALTRANS STANDARD PLANS

**SHEET KEY NOTES**

|  |                                 |
|--|---------------------------------|
|  | CONCRETE BARRIER TYPE 836       |
|  | CHAIN LINK RAILING              |
|  | STRUCTURE APPROACH TYPE EQ (10) |

**SITES RESERVOIR**  
FUNKS CONSTRUCTION ACCESS ROAD BRIDGE  
FUNKS CONSTRUCTION ACCESS ROAD BRIDGE OVER TEHAMA-COLUSA CANAL  
GENERAL PLAN

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
DRAWING NO. STS-1868-SB-0001  
SHT OF

Plot Date: 3/21/2024 11:41 AM File: C:\pwworking\hdr\_sites\_reservoir\dms02752\STS-1868-SB-0001.dwg Saved By: TUC1

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|     |      |    |     |      |             |

|              |             |
|--------------|-------------|
| DESIGNED BY: | K. LEE      |
| DRAWN BY:    | C. TU       |
| CHECKED BY:  | X. XXXXXXXX |
| IN CHARGE:   | X. XXXXXXXX |
| DATE:        | XX/XX/XX    |

|                                  |               |       |            |
|----------------------------------|---------------|-------|------------|
| REGISTERED PROFESSIONAL ENGINEER | XXXX XXXXXXXX | ##### | CALIFORNIA |
|----------------------------------|---------------|-------|------------|



PRELIMINARY - NOT FOR CONSTRUCTION

| PILE DATA TABLE |                   |                           |         |                           |                              |                                   |
|-----------------|-------------------|---------------------------|---------|---------------------------|------------------------------|-----------------------------------|
| LOCATION        | PILE TYPE         | NOMINAL RESISTANCE (kips) |         | DESIGN TIP ELEVATION (ft) | SPECIFIED TIP ELEVATION (ft) | NOMINAL DRIVING RESISTANCE (kips) |
|                 |                   | COMPRESSION               | TENSION |                           |                              |                                   |
| Abut 1          | CLASS 200 Alt "W" |                           |         |                           |                              |                                   |
| Abut 2          | CLASS 200 Alt "W" |                           |         |                           |                              |                                   |

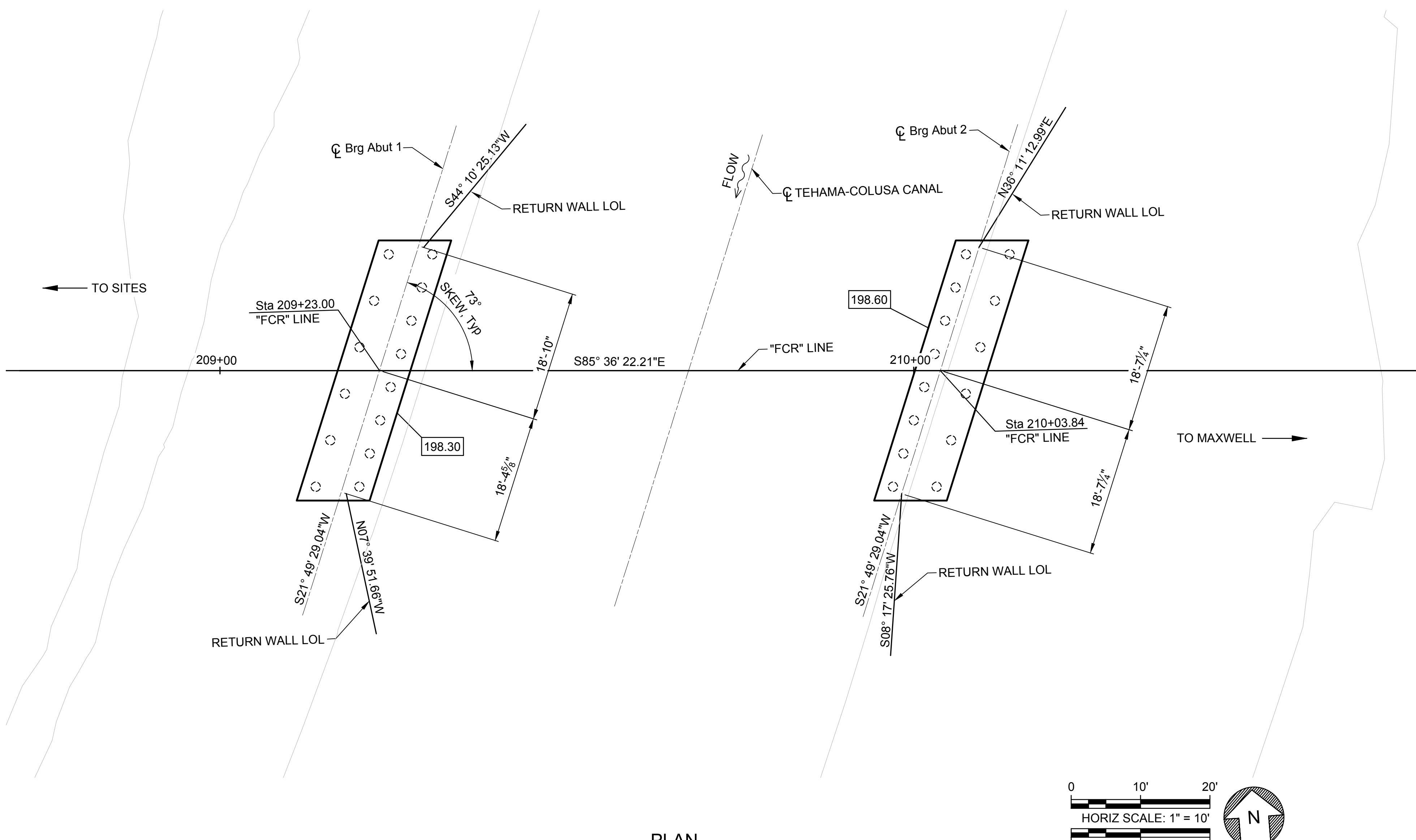
| BENCHMARK |       |      |           |             |
|-----------|-------|------|-----------|-------------|
| BENCHMARK | NORTH | EAST | ELEVATION | DESCRIPTION |
|           |       |      |           |             |
|           |       |      |           |             |

- DESIGN TIP ELEVATION ARE CONTROLLED BY: (A) COMPRESSION, (B) TENSION, (C) SETTLEMENT, (D) LATERAL.
- THE SPECIFIED TIP ELEVATION SHALL NOT BE RAISED ABOVE THE DESIGN TIP TIP ELEVATIONS FOR TENSION, LATERAL, AND TOLERABLE SETTLEMENT.

SURVEY CONTROL:  
HORIZONTAL CONTROL FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE \_\_\_\_ US SURVEY FEET. NORTH AMERICAN DATUM OF \_\_\_\_\_. VERTICAL CONTROL IS THE NORTH AMERICAN VERTICAL DATUM \_\_\_\_\_.

**GENERAL NOTES**

- FOR LOCATION OF EXISTING UTILITIES, SEE ROADWAY PLANS.
- FOR SURVEY CONTROL DATA, SEE ROADWAY PLANS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND NOTIFY UTILITY AGENCIES PRIOR TO ANY EXCAVATION.



**LEGEND:**

- DIRECTION OF FLOW
- BOTTOM OF FOOTING ELEVATION
- CLASS 200 Alt "W" STEEL PIPE PILE

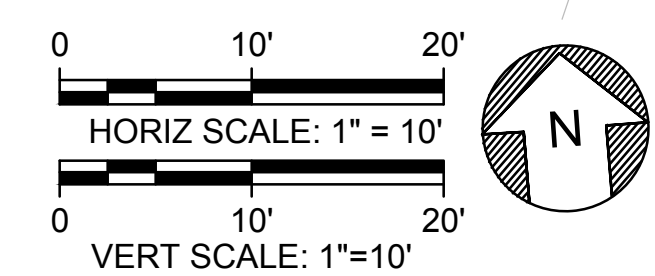
**NOTES:**

**SHEET KEY NOTES**

**KEY MAP**

NOTE:  
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

**PLAN**  
SCALE: 1" = 10'



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Plot Date: 3/21/2024 6:42 PM  
Saved By: TUC1

| REV | DATE | BY | CHK | APPR | DESCRIPTION |
|-----|------|----|-----|------|-------------|
|     |      |    |     |      |             |
|     |      |    |     |      |             |

|                            |
|----------------------------|
| DESIGNED BY:<br>K. LEE     |
| DRAWN BY:<br>C. TU         |
| CHECKED BY:<br>X. XXXXXXXX |
| IN CHARGE:<br>X. XXXXXXXX  |
| DATE:<br>XX/XX/XX          |

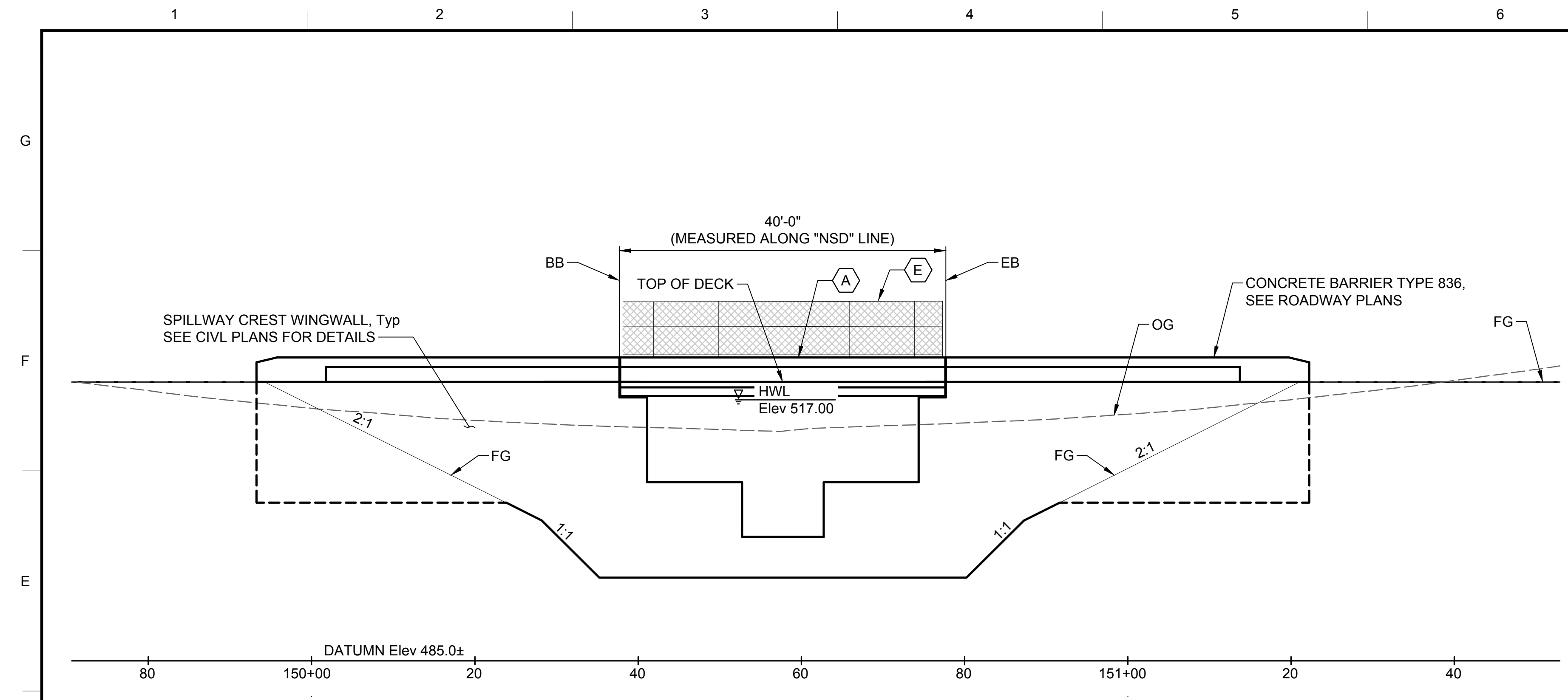
REGISTERED PROFESSIONAL ENGINEER  
XXXX XXXXXXXX  
#####  
CALIFORNIA



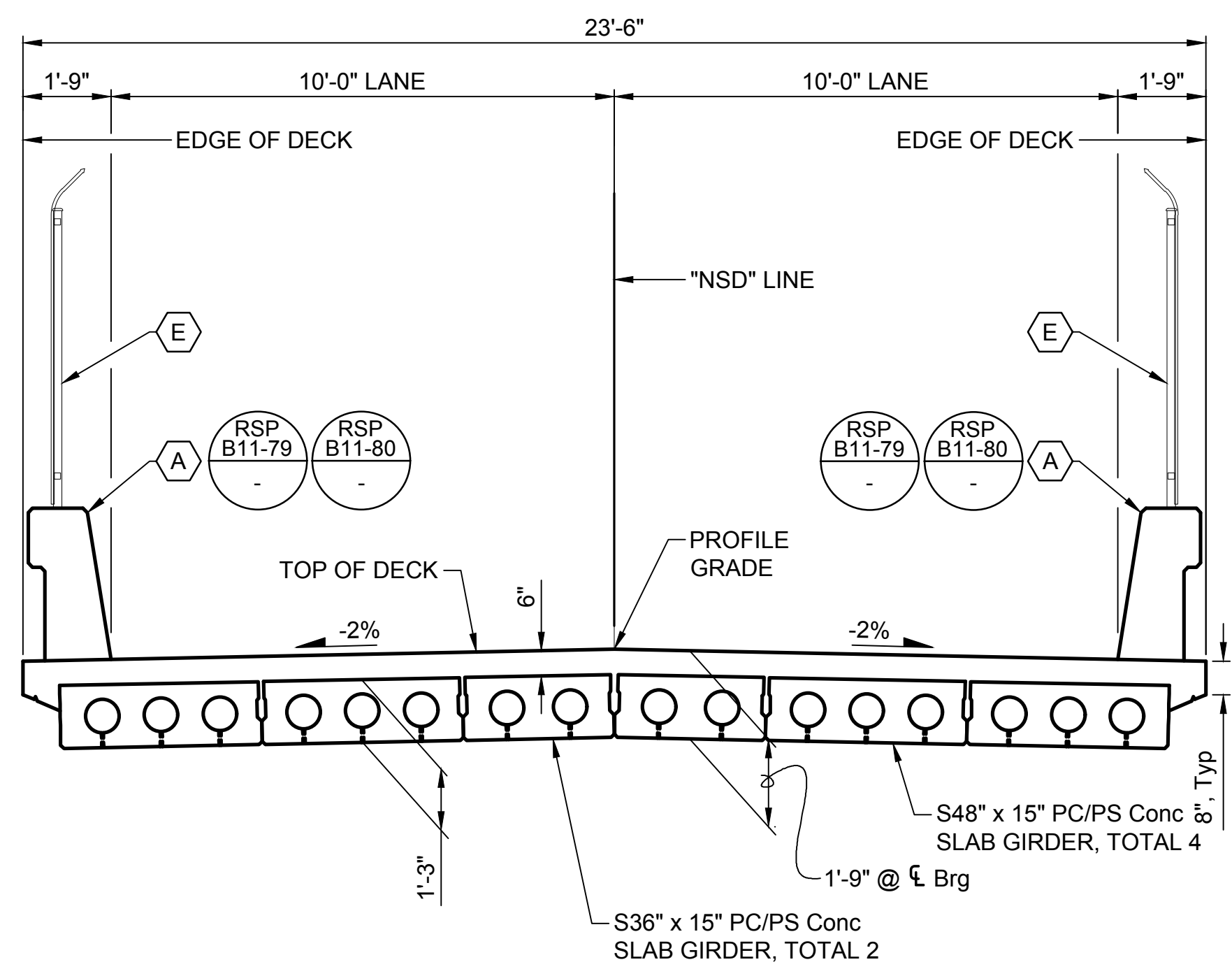
**SITES RESERVOIR**  
FUNKS CONSTRUCTION ACCESS ROAD BRIDGE  
FUNKS CONSTRUCTION ACCESS ROAD BRIDGE OVER TEHAMA-COLUSA CANAL FOUNDATION PLAN

|                                                                                                   |
|---------------------------------------------------------------------------------------------------|
| <b>VERIFY SCALES</b><br>BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.<br> |
| DRAWING NO.<br>STS-1868-SB-1101<br>SHT OF                                                         |

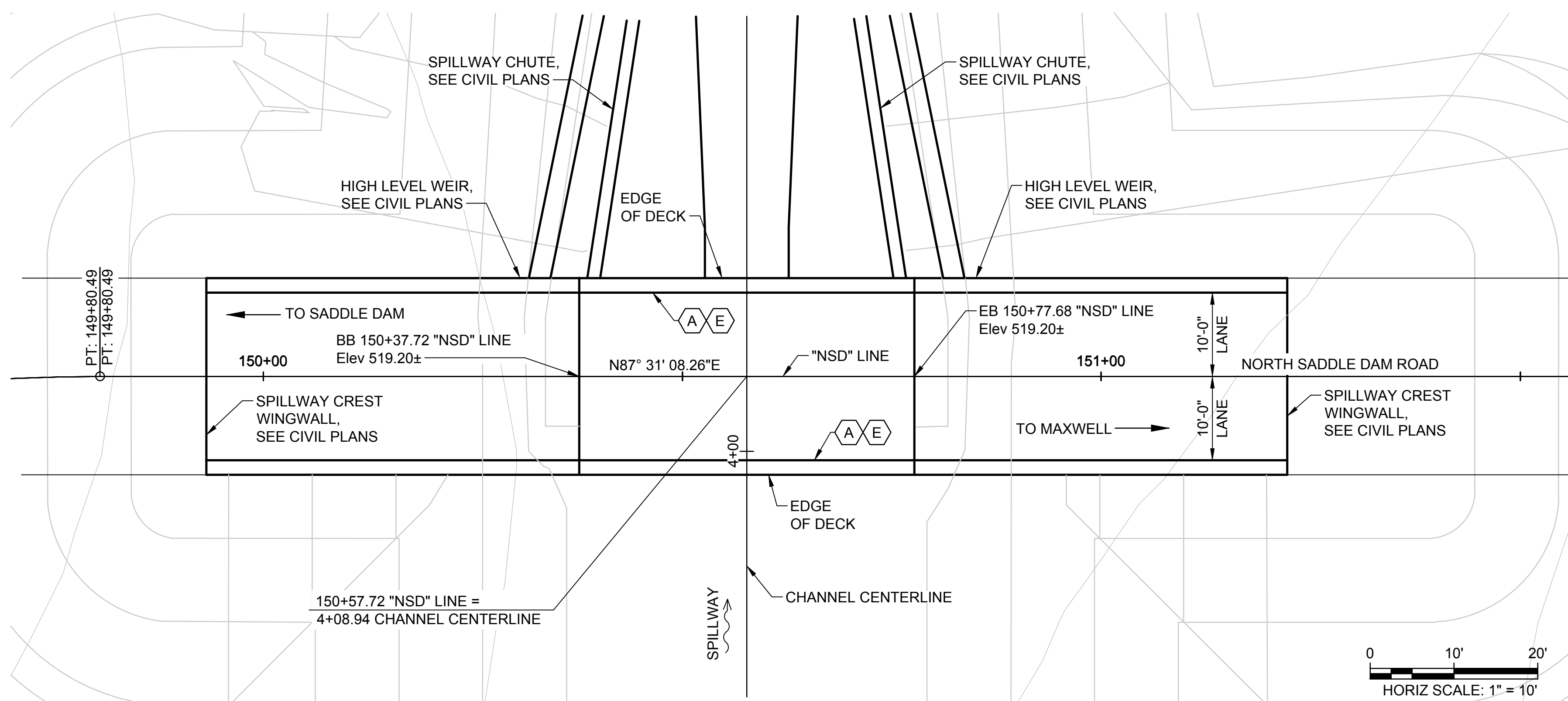
PRELIMINARY - NOT FOR CONSTRUCTION



**ELEVATION**  
SCALE: 1" = 10'



**SECTION**  
SCALE: 3/8" = 1'-0"



**PLAN**  
SCALE: 1" = 10'

NOTE:  
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL

**INDEX TO PLANS**

| SHEET NO. | TITLE        |
|-----------|--------------|
| 01        | GENERAL PLAN |

**GENERAL NOTES**

**LOAD AND RESISTANCE FACTOR DESIGN**

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

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

DEAD LOAD:  
INCLUDES 35 PSF FOR FUTURE WEARING SURFACE. THE DECK LOAD BETWEEN THE GIRDERS HAS BEEN INCREASED BY A FACTOR OF 10% TO ALLOW FOR THE USE OF STEEL DECK FORMS.

LIVE LOAD:  
HL93 AND PERMIT DESIGN LOAD.

REINFORCED CONCRETE:  
fy = 60 ksi  
fc = 4 ksi

FOR SEISMIC DESIGN CRITERIA, SEE "SITES RESERVOIR SPILLWAY" PLANS.

**LEGEND:**

- DIRECTION OF FLOW
- HIGH WATER LEVEL

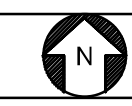
**GENERAL NOTES**

- FOR FOUNDATION, SEE "FOUNDATION PLAN" SHEET.
- XX-XX  
-  
REFERENCES CALTRANS STANDARD PLANS

**SHEET KEY NOTES**

- CONCRETE BARRIER TYPE 836
- CHAIN LINK RAILING

**KEY MAP**



Plot Date: 3/20/2024 10:10 AM File: C:\pwworking\hdr\_sitas\_reservoir\dms02891\STS-1874-SB-0001.dwg Saved By: TUC1

| REV | DATE | BY | CHK. | APPR. | DESCRIPTION |
|-----|------|----|------|-------|-------------|
|     |      |    |      |       |             |

|              |             |
|--------------|-------------|
| DESIGNED BY: | K. LEE      |
| DRAWN BY:    | C. TU       |
| CHECKED BY:  | X. XXXXXXXX |
| IN CHARGE:   | X. XXXXXXXX |
| DATE:        | XX/XX/XX    |

REGISTERED PROFESSIONAL ENGINEER  
XXXX XXXXXXXX  
#####  
CALIFORNIA



**SITES RESERVOIR**  
NORTH SADDLE DAM ROAD  
BRIDGE  
SPILLWAY BRIDGE  
GENERAL PLAN

|                                                                      |
|----------------------------------------------------------------------|
| VERIFY SCALES                                                        |
| BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS |
|                                                                      |
| DRAWING NO.                                                          |
| STS-1874-SB-0001                                                     |
| SHT OF                                                               |

PRELIMINARY - NOT FOR CONSTRUCTION