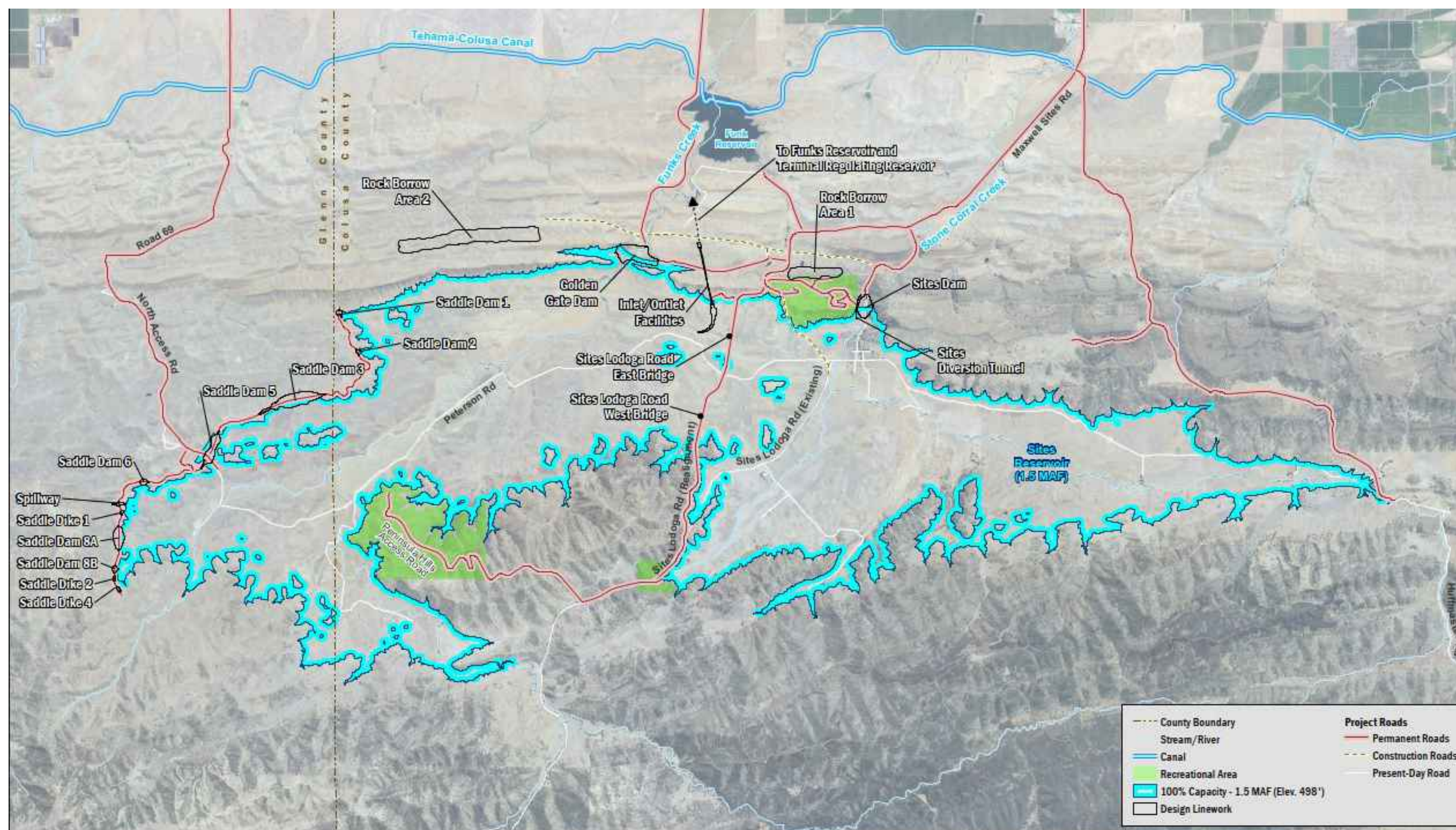


PROJECT LOCATION MAP

PRELIMINARY DESIGN PLANS  
FOR  
SITES PROJECT AUTHORITY  
**SITES RESERVOIR**

CONTRACT: CONSTRUCTION PACKAGE 1 (30%)

MARCH 2024



PROJECT SITE MAP

**STATEMENT OF LIMITATIONS**

THESE DOCUMENTS HAVE BEEN PREPARED BY AECOM FOR THE SOLE USE OF THE SITES PROJECT AUTHORITY IN THE EVALUATION OF THE PROJECT NAMED HEREIN. THESE DOCUMENTS MAY NOT BE APPROPRIATE TO SATISFY THE NEEDS OF OTHER USERS, AND ANY USE OR RE-USE OF THESE DOCUMENTS IS AT THE SOLE RISK AND RESPONSIBILITY OF THE USER. BACKGROUND INFORMATION, DESIGN BASIS, AND OTHER DATA HAVE BEEN FURNISHED TO AECOM BY THE SITES PROJECT AUTHORITY AND/OR THIRD PARTIES, WHICH AECOM HAS USED IN PREPARING THESE DOCUMENTS. AECOM HAS RELIED ON THIS INFORMATION AS FURNISHED, AND IS NEITHER RESPONSIBLE FOR NOR HAS CONFIRMED THE ACCURACY OF THIS INFORMATION. THESE DOCUMENTS ARE BASED ON DATA, SITE CONDITIONS, AND OTHER INFORMATION THAT ARE GENERALLY APPLICABLE AS OF [DATE TBD]. AECOM REPRESENTS THAT OUR SERVICES WERE CONDUCTED IN A MANNER CONSISTENT WITH THE STANDARD OF CARE ORDINARILY APPLIED AS THE STATE OF PRACTICE IN THE PROFESSION, WITHIN THE LIMITS PRESCRIBED BY OUR CLIENT.

Plot Date: 3/6/2024 1:13 PM File: C:\pwworking\hdr\_sites\_reservoir\dmshs01255\STS-0001-G-0001.dwg Saved By: KRISTINE PALMISANO

REV	DATE	BY	CHK	APPR.	DESCRIPTION

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

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

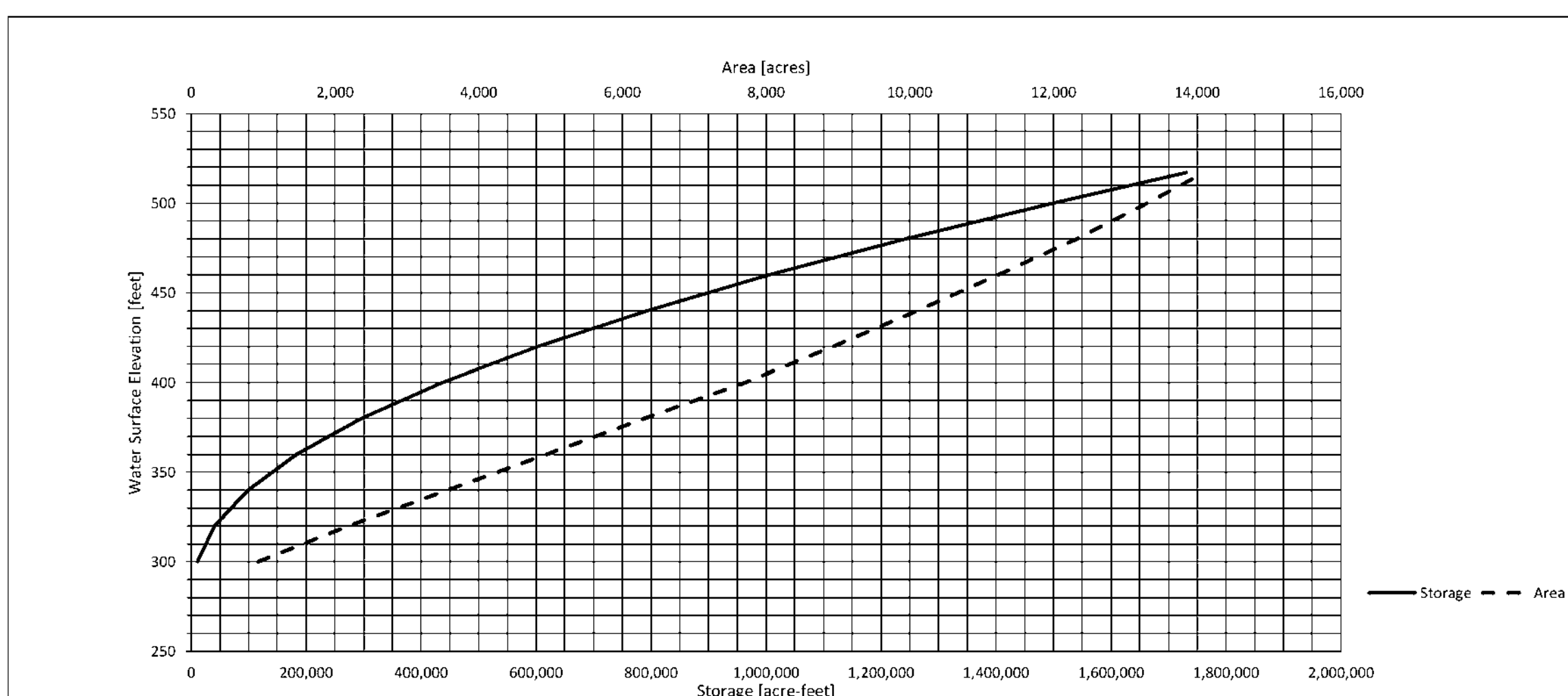
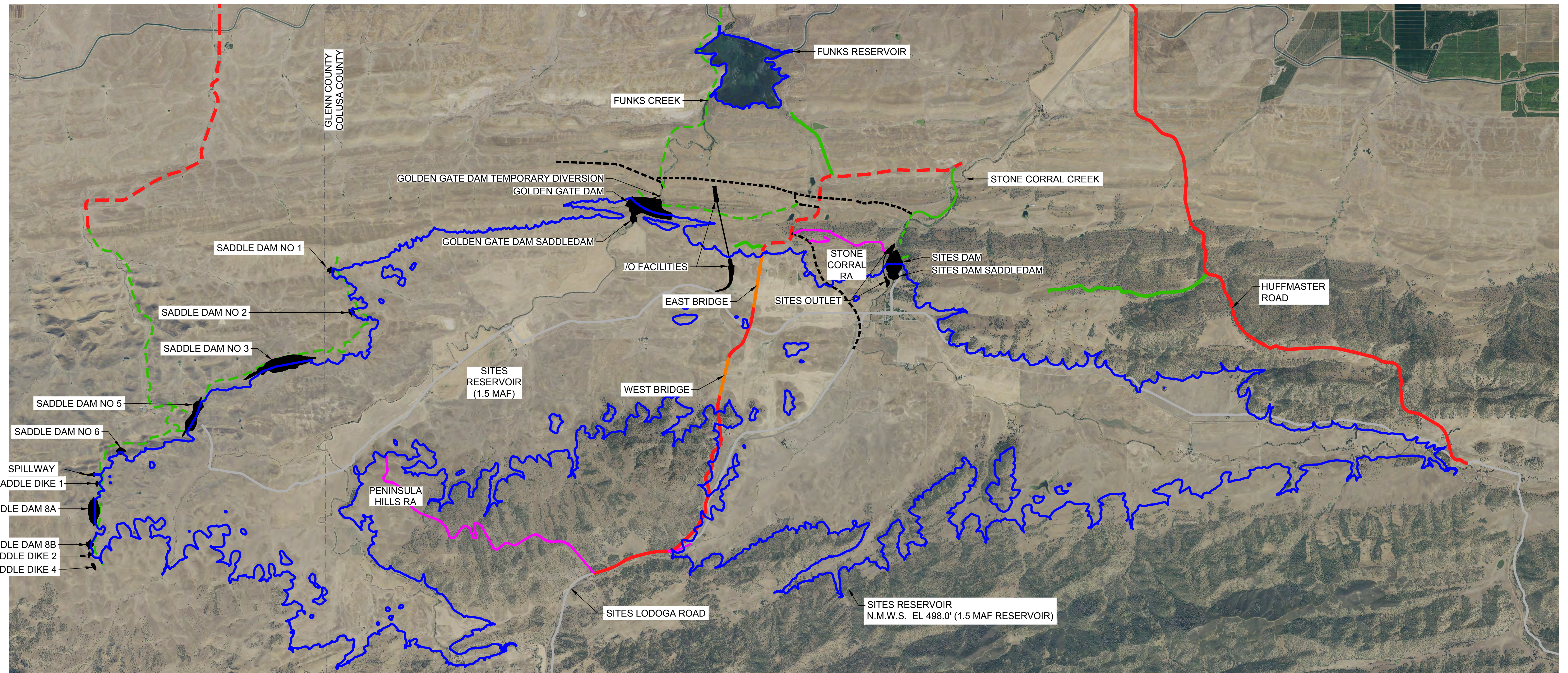
REGISTERED  
PROFESSIONAL  
ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA



**SITES RESERVOIR**  
SITES RESERVOIR  
GENERAL  
RESERVOIR FACILITIES  
COVER SHEET

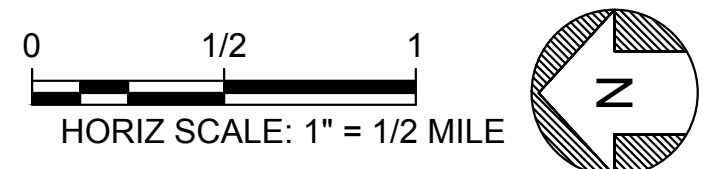
VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO.	STS-0001-G-0001
SHT	OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



Reservoir Elevation (ft)	Area (Acre)	Storage (Acre-Feet)
300	940	11,260
320	2,190	41,080
340	3,560	98,550
360	4,940	183,290
380	6,310	296,040
400	7,710	436,420
420	8,930	602,840
440	10,100	793,280
460	11,240	1,006,630
480	12,320	1,242,370
500	13,300	1,498,530
517	14,100	1,731,350

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



Plot Date: 3/13/2024 11:10 AM File: C:\pwworking\hdr\_sites\_reservoir\dms01255\STS-0001-G-0007.dwg Saved By: LINDSAY REID

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
M. SMITH

DRAWN BY:  
R. L'ECLUSE

CHECKED BY:  
B. ALDRIDGE

IN CHARGE:  
M. SMITH

DATE:  
03/15/24



REGISTERED PROFESSIONAL ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA



**SITES RESERVOIR**

SITES RESERVOIR  
GENERAL  
RESERVOIR ARRANGEMENT  
PLAN

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

0 1"

DRAWING NO.  
STS-0001-G-0007  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

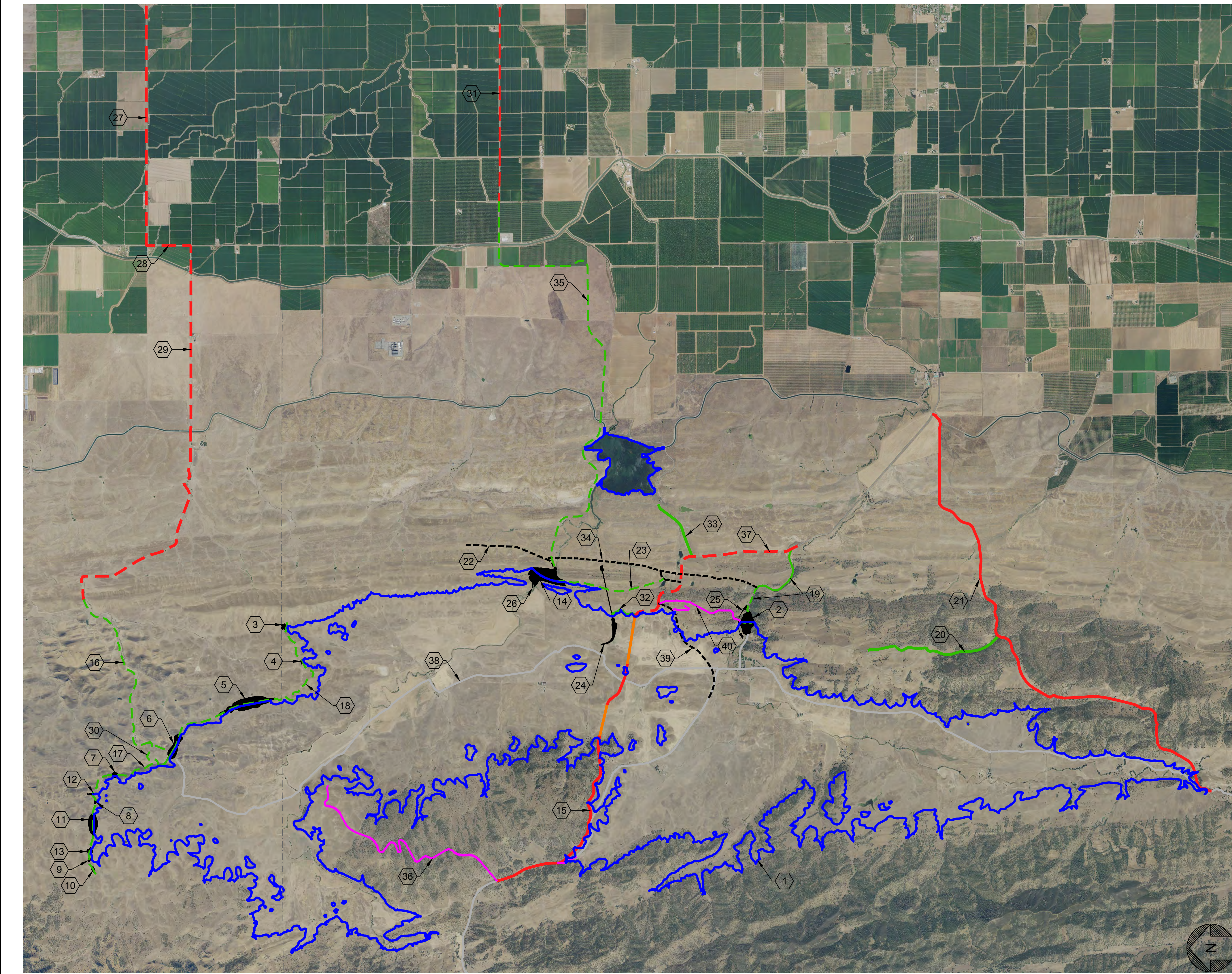
SITES PROJECT  
SITES RESERVOIR PROJECT

SHEET KEY NOTES

1.	SITES RESERVOIR	STS
2.	SITES DAM	1100-1145
3.	SADDLE DAM 1	1200
4.	SADDLE DAM 2	1205
5.	SADDLE DAM 3	1210
6.	SADDLE DAM 5	1215
7.	SADDLE DAM 6	1220
8.	SADDLE DIKE 1	1223
9.	SADDLE DIKE 2	1224
10.	SADDLE DIKE 4	1230
11.	SADDLE DAM 8A	1235
12.	SPILLWAY	1395
13.	SADDLE DAM 8B	1245
14.	GOLDEN GATE DAM	1300-1347
15.	SITES LODOGA RD (REALIGNMENT)	1705
16.	NORTH ACCESS ROAD	1710
17.	NORTH SADDLE DAM ROAD	1765
18.	SOUTH SADDLE DAM ROAD	1766
19.	SITES BASE DAM ACCESS ROAD	1777
20.	COMM ROAD	4005
21.	HUFFMASTER ROAD (REALIGNMENT)	4005
22.	RBA-2 HAUL ROAD	1790
23.	GOLDEN GATE DAM CREST ROAD	1755
24.	I/O FACILITIES	1600
25.	SITES DAM DIVERSION	1610
26.	GOLDEN GATE DAM DIVERSION	1615
27.	COUNTY ROAD 68	1718
28.	COUNTY ROAD D	1717
29.	COUNTY ROAD 69	1716
30.	MATERIALS HAUL ROAD HOOK RAMP	1710
31.	DELEVAN ROAD	1740
32.	I/O FACILITY MAINT. ACCESS RD	1772
33.	FUNKS PGP MAINT. ACCESS RD	1774
34.	MATERIALS HAUL ROAD	1790
35.	FUNKS CONST. ACCESS RD	1721
36.	PENINSULA HILLS REC. RD	8010
37.	MAXWELL-SITES ROAD	1749
38.	PETERSON ROAD	1799
39.	SITES LODOGA RD TEMPORARY DETOUR	1785
40.	STONE CORRAL REC. ACCESS RD	8005

LEGEND

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



Plot Date: 3/18/2024 12:31 PM File: C:\pwworking\hdr\_sites\_reservoir\dms01255\STS-0001-G-0008.dwg Saved By: LINDSAY REID

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED  
PROFESSIONAL  
ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA



SITES RESERVOIR  
SITES RESERVOIR  
GENERAL  
FEATURE LOCATION NAME LIST

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL  
DRAWING. ADJUST SCALES FOR  
REDUCED PLOTS  
0 1"  
DRAWING NO.  
STS-0001-G-0008  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION


REV	DATE	BY	CHK.	APPR.	DESCRIPTION

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

**AECOM**  
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 Sacramento, CA 95811  
 TEL: 916.414.5800

REGISTERED PROFESSIONAL ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA



**SITES RESERVOIR**

SITES RESERVOIR  
 GENERAL ABBREVIATIONS

**VERIFY SCALES**

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

0 ————— 1"

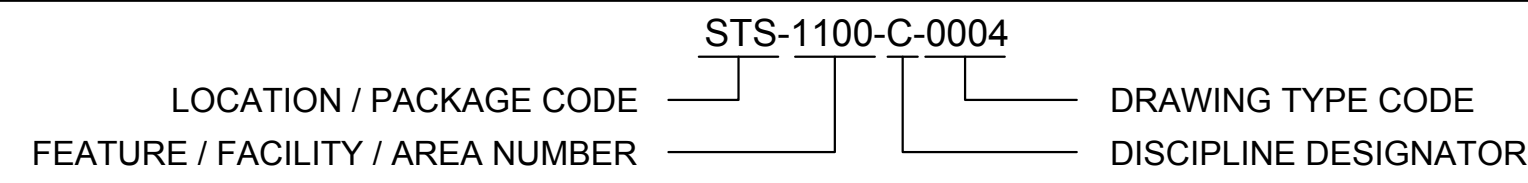
DRAWING NO.  
 STS-0001-G-0009  
 SHT OF

File: C:\pwworking\hld\_sites\_reservoir\dms01256\STS-0001-G-0009.dwg

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**NOTE:**  
 FOR ABBREVIATIONS NOT SHOWN ON THIS SHEET, SEE DISCIPLINE SPECIFIC ABBREVIATION SHEET.

DRAWING NUMBERING LEGEND



LOCATION / PACKAGE CODE	FACILITY / AREA NUMBER	DISCIPLINE DESIGNATOR	DRAWING TYPE CODE
STS - SITES RESERVOIR MPG - MAXWELL / SITES PUMPING AND GENERATING SCD - RESERVOIR CLEARING AND DEMOLITION HFR - HUFFMASTER ROAD DNP - DUNNIGAN PIPELINE CCA - TEHAMA COLUSA CANAL AUTHORITY CID - GLENN COLUSA IRRIGATION DISTRICT REC - SITES RECREATION MIT - SITES MITIGATION	0001 - GENERAL 0005 - DEMOLITION 0010 - GEOTECH 0015 - GENERAL PROPERTY 0045 - OVERALL SITE CIVIL 0060 - OVERALL SITE ELECTRICAL 0065 - INSTRUMENTATION AND CONTROLS 1005 - GENERAL DAMS 1010 - RESERVOIR DEVELOPMENT 1109 - SITES COFFERDAM 1110 - SITES DAM 1200 - SADDLE DAM 1 1205 - SADDLE DAM 2 1210 - SADDLE DAM 3 1215 - SADDLE DAM 5 1220 - SADDLE DAM 6 1223 - SADDLE DIKE 1 1224 - SADDLE DIKE 2 1230 - SADDLE DIKES 1235 - SADDLE DAM 8A 1245 - SADDLE DAM 8B 1309 - GOLDEN GATE COFFERDAM 1310 - GOLDEN GATE DAM 1395 - SPILLWAY 1400 - INSTRUMENTATION 1450 - CORE AND ROCK BORROW AREAS 1555 - ACCESS RD B2 1570 - DAM ACCESS ROADS 1600 - INLET OUTLET FACILITIES 1610 - SITES DIVERSION OUTLET 1615 - GOLDEN GATE DAM DIVERSION 1700 - GENERAL CIVIL ROADWAY 1705 - SITES LODOGA ROAD REALIGNMENT 1710 - NORTH ACCESS ROAD (ACCESS ROAD - ROAD 69) 1715 - ROAD 69, ROAD D, AND ROAD 68 (GENERAL) 1716 - COUNTY ROAD 69 1717 - COUNTY ROAD D 1718 - COUNTY ROAD 68 1720 - SOUTH ACCESS ROAD 1721 - FUNKS CONSTRUCTION ACCESS ROAD 1725 - DIRKS, McDERMOTT, AND DELEVAN ROAD (GENERAL) 1730 - DIRKS ROAD 1735 - McDERMOTT ROAD 1740 - DELEVAN ROAD 1745 - SUTTON ROAD 1746 - WADLEIGH ROAD 1747 - OLD HWY 99W 1749 - MAXWELL-SITES ROAD 1750 - DAM ACCESS ROADS (GENERAL) 1755 - GOLDEN GATE DAM CREST ACCESS ROAD 1760 - SITES DAM CREST ACCESS ROAD 1765 - NORTH SADDLE DAM ROADS 1766 - SOUTH SADDLE DAM ROADS 1770 - MAINTENANCE ACCESS ROADS (GENERAL) 1772 - IO TOWER MAINTENANCE ACCESS ROAD 1774 - FUNKS PGP MAINTENANCE ACCESS ROAD 1776 - GGD/FUNKS PGP MAINTENANCE ACCESS ROAD 1777 - SITES DAM BASE MAINTENANCE ACCESS ROAD 1780 - TEMPORARY CONSTRUCTION ROADS (GENERAL) 1785 - SITES LODOGA ROAD TEMPORARY DETOUR 1790 - Q2 HAUL ROUTE 1799 - PETERSON ROAD 1800 - GENERAL CIVIL BRIDGES 1802 - ROAD 69 BRIDGE OVER NORTH ACCESS ROAD 1804 - ROAD 69 BRIDGE OVER TEHAMA-COLUSA CANAL 1808 - ROAD 69 BRIDGE OVER GLENN-COLUSA CANAL 1812 - ROAD F BRIDGE OVER BRANCH HUNTER CREEK 1816 - McDERMOTT ROAD BRIDGE OVER DIRKS CREEK 1820 - McDERMOTT ROAD BRIDGE OVER TERESA CREEK 1824 - McDERMOTT ROAD BRIDGE OVER FUNKS CREEK 1828 - McDERMOTT ROAD BRIDGE OVER STONE CORRAL CREEK 1832 - MAXWELL-SITES ROAD BRIDGE OVER GLENN-COLUSA CANAL 1836 - MAXWELL-SITES ROAD BRIDGE OVER STONE CORRAL CREEK 1840 - WEST SITES LODOGA ROAD BRIDGE OVER RESERVOIR 1844 - EAST SITES LODOGA ROAD BRIDGE OVER RESERVOIR 1848 - SITES LODOGA ROAD BRIDGE OVER HAUL ROUTE 1860 - DELEVAN ROAD BRIDGE OVER GLENN-COLUSA CANAL 1864 - DELEVAN ROAD BRIDGE OVER UNNAMED CREEK 1868 - FUNKS CONSTRUCTION ACCESS ROAD OVER TEHAMA-COLUSA CANAL 1874 - SPILLWAY BRIDGE 1880 - SUTTON ROAD BRIDGE OVER STONE CORRAL CREEK 1885 - SUTTON ROAD BRIDGE OVER FUNKS CREEK 1900 - STANDARD DETAILS	A - ARCHITECTURAL SB - BRIDGE M - BUILDING MECHANICAL C - CIVIL/INSTRUMENTATION E - ELECTRICAL Q - EQUIPMENT F - FIRE PROTECTION FET - FOUNDATION EXCAVATION AND TREATMENT G - GENERAL B - GEOTECHNICAL H - HVAC I - INTERIORS L - LANDSCAPE P - PIPELINE J - PLUMBING D - PROCESS MECHANICAL R - ROADWAY S - STRUCTURAL V - SURVEY MAPPING T - TELECOMMUNICATIONS K - TRANSMISSION Y - YARD PIPING	0000 - GENERAL AND 3D RENDERINGS 1000 - DEMOLITION 2000 - PLANS AND PLAN AND PROFILE 3000 - SECTIONS, ELEVATIONS AND PROFILES 4000 - ENLARGED PLANS 5000 - DETAILS 6000 - SCHEDULES AND DIAGRAMS

LEGEND AND SYMBOLS

GENERAL SYMBOLOGY

MATCHLINE FOR ADJOINING VIEWS: STA: 10+00.00 OFF: 0.00' | STA: 10+00.00 OFF: 0.00'

NORTH ARROW: ARROW INDICATES DIRECTION OF PLAN NORTH

PLAN: HORIZ SCALE: 1" = 100'

PROFILE: HORIZ SCALE: 1" = 100', VERT SCALE: 1" = 20'

DETAIL TITLE: X# (DETAIL LETTER AND NUMBER), XXX-XXXX-X-XXXX (SCALE)

SECTION TITLE: X# (SECTION LETTER AND NUMBER), XXX-XXXX-X-XXXX (SCALE)

SECTION CUT: X# (SECTION LETTER AND NUMBER), XXX-XXXX-X-XXXX (DRAWING WHERE SECTION VIEW IS LOCATED)

SECTION MARKER: X# (SECTION LETTER AND NUMBER), XXX-XXXX-X-XXX (DRAWING WHERE SECTION VIEW IS LOCATED)

STANDARD DETAIL: 0330-056

DETAIL MARKER: X# (DETAIL LETTER AND NUMBER), XXX-XXXX-X-XXX (DRAWING WHERE DETAIL IS LOCATED)

DIMENSIONS: 1.98'

EXPANDED VIEW, CIRCULAR: X# (DETAIL LETTER AND NUMBER), XXX-XXXX-X-XXXX (DRAWING WHERE EXPANDED VIEW IS LOCATED)

EXPANDED VIEW, RECTANGULAR: X# (DETAIL LETTER AND NUMBER), XXX-XXXX-X-XXXX (DRAWING WHERE EXPANDED VIEW IS LOCATED)

CONSTRUCTION NOTE/GRIDLINE BUBBLE: ① (REVISION NUMBER)

SHEET KEY NOTE CALLOUT: X (SHEET KEY NOTE)

INSPECTIONS BY THE DIVISION OF SAFETY OF DAMS (DSOD)

UNDER THE STATE OF CALIFORNIA WATER CODE, STATUTES AND REGULATIONS PERTAINING TO THE SUPERVISION OF DAMS AND RESERVOIRS, BY VIRTUE OF THE LAWS OF THE STATE OF CALIFORNIA, THE DIVISION OF SAFETY OF DAMS IS VESTED WITH THE AUTHORITY AND IS DIRECTED TO SUPERVISE THE CONSTRUCTION, REPAIR AND ALTERATION OF DAMS AND RESERVOIRS WHICH ARE UNDER THEIR JURISDICTION INSOFAR AS THE SAME AFFECTS THE PROTECTION OF LIFE AND PROPERTY. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF THIS AUTHORITY FOR ALL WORK WHICH IS PART OF THIS CONTRACT. DSOD FIELD INSPECTORS WILL PERIODICALLY INSPECT THE WORK IN PROGRESS DURING CONSTRUCTION, INCLUDING THE MATERIALS BEING INCORPORATED INTO THE WORKS, AS WELL AS TEST RESULTS AND DOCUMENTATION ASSOCIATED WITH THE PROJECT. THE CONTRACTOR SHALL ALLOW DSOD REPRESENTATIVES ACCESS TO ALL LOCATIONS WITHIN PROJECT BOUNDARIES. ALL COMMUNICATIONS WITH DSOD PERTAINING TO THE PROJECT SHALL BE COORDINATED THROUGH THE AGENCY'S ENGINEER. THE CONTRACTOR SHALL COOPERATE WITH THE AGENCY'S ENGINEER BY GIVING 72 HOURS (BUSINESS DAYS) NOTICE PRIOR TO ANY INSPECTION OR REVIEW THAT IS REQUIRED TO BE PERFORMED BY DSOD TO AVOID DELAYING THE WORK AND TO ASSURE THE AGENCY'S ENGINEER HAS SUFFICIENT TIME TO COORDINATE DSOD'S INVOLVEMENT.

Plot Date: 3/9/2024 11:38 AM Saved By: LEC/LUSER File: C:\pwworking\hdr\_sites\_reservoir\dms01255\STS-0001-G-0010.dwg

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

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

REGISTERED PROFESSIONAL ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA



**SITES RESERVOIR**  
SITES RESERVOIR GENERAL LEGEND AND SYMBOLS

VERIFY SCALES

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

0 1"

DRAWING NO. STS-0001-G-0010  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

LEGEND AND SYMBOLS

EXISTING FEATURES	PROPOSED FEATURES	PROPOSED FEATURES	EXISTING FEATURES	PROPOSED FEATURES
DRAIN ROCK			SLOPE PERCENT OR RISE:RUN	
FENCE			FLOW ARROW	
SUBSTATION FENCE			DIRECTION ARROW	
GATE			WATER SURFACE	
MAJOR CONTOURS			PIEZOMETER	
MINOR CONTOURS			EARTH SLOPE	
MAJOR CONTOURS, DEPRESSION				
MINOR CONTOURS, DEPRESSION				
MAJOR CONTOURS, SUBM				
MINOR CONTOURS, SUBM				
SILO(S), TANK(S)				
TRAFFIC SIGN				
FIRE HYDRANT				
POST				
TREE				
PALM TREE				
BUSH				
POLE				
SURVEY CONTROL POINT				
MANHOLE				
MISC UTILITY				
UTILITY BOX				
TRAFFIC LIGHT				
UTILITY JUNCTION				
BILLBOARD				
CATCH BASIN, RECT				
VA-TRAF-BARR-POST				
COMMUNICATION ANTENNA				
UTILITY VALVE				
SIGN, REFLECTIVE				
MAILBOX				
STORM DRAIN INLET				
ROAD, CENTER				
ROAD, ALIGNMENT				
ROAD				
DRIVEWAY				
BUILDING OUTLINE				
WALL, RETAINING WALL				
PIPE, OVERHEAD				
PIPE, UNDERGROUND				
HEADWALL				
CULVERT				
SANITARY SEWER UNDERGROUND PIPE				
SANITARY SEWER MANHOLE				
WATER UNDERGROUND PIPE				
NATURAL GAS UNDERGROUND PIPE				
FIBER OPTIC LINE				
ELEC UNDERGROUND				
ELEC OVERHEAD				
POWER POLE				
GUY WIRE				
GUY ANCHOR				
TRANSMISSION TOWER, METAL				
CANAL				
RAILROAD				
DITCH FLOW				
STORM DRAIN UNDERGROUND PIPE				
STORM DRAIN MANHOLE				
SLOPE BANK, CUT				
SLOPE BANK, FILL				
SPOT ELEVATION				
BORE LOCATION & #				
TEST PIT LOCATION AND NUMBER				
GEOTECHNICAL EXPLORATION				
STRUCTURE, BUILDING OR FACILITY				
LOCATION POINT - COORDINATES				

File: C:\pwworking\hdr\_sites\_reservoir\dms01255\STS-001-G-001.dwg  
 Plot Date: 3/9/2024 12:02 PM  
 Saved By: LEC/LUSER

REV	DATE	BY	CHK	APPR	DESCRIPTION

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

2020 L Street, Suite 400  
 Sacramento, CA 95811  
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REGISTERED PROFESSIONAL ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA

**SITES RESERVOIR**  
 SITES RESERVOIR  
 GENERAL  
 LEGEND AND SYMBOLS

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

DRAWING NO.  
 STS-001-G-0011  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

G  
F  
E  
D  
C  
B  
A

1. GENERAL NOTES ARE APPLICABLE TO ALL WORK, UNLESS NOTED OTHERWISE.
2. ACCESS TO THE PROJECT IS LIMITED TO THE ACCESS POINTS SHOWN ON THE DRAWINGS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR EVALUATING THE CAPACITY OF ALL BRIDGES, CULVERTS AND BURIED PIPELINES TO BE CROSSED BY HAUL VEHICLES.
4. GRID COORDINATES REFER TO THE CALIFORNIA STATE PLANE COORDINATE SYSTEM ZONE 2.
5. VERTICAL DATUM REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM 1988, (NAVD 88), FEET.
6. TOPOGRAPHY SHOWN IS PROVIDED BY R.E.Y. ENGINEERS INC. TOPOGRAPHIC DATA WAS COMPLETED DURING 2022. DEPENDING ON DATE OF CONSTRUCTION, TOPOGRAPHIC DATA COULD HAVE CHANGED.
7. STAGING AREAS SHOWN ARE APPROXIMATE AND WILL BE DETERMINED IN THE FIELD BY CONTRACTOR WITHIN THE LIMITS OF WORK.
8. TYPICAL SECTIONS DEFINE MATERIAL TO BE UTILIZED THROUGH THE LIMITS OF REPAIR UNLESS OTHERWISE NOTED. DESIGN AT END OF REPAIR SHALL CONFORM TO EXISTING GRADE.
9. THE LOCATIONS OF EXISTING UTILITIES, IF ANY, ARE APPROXIMATE AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE ENGINEER. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL UTILITIES WITHIN THE CONSTRUCTION ZONE, ALONG THE CONSTRUCTION ACCESS ROUTE AND IN THE STAGING AREAS BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROTECT ALL UTILITIES, INCLUDING STEEL PLATING, AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO LOCATE AND PRESERVE ANY AND ALL UTILITIES. CONTRACTOR TO NOTIFY UNDERGROUND SERVICE ALERT TWO DAYS MINIMUM PRIOR TO CONSTRUCTION. CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY TO WORK AROUND EXISTING UTILITIES.
10. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, SIZES AND LOCATIONS OF ALL EXISTING FACILITIES, UNDERGROUND UTILITIES, AND FEATURES TO REMAIN BEFORE STARTING WORK AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
11. ALL TEMPORARY EARTHWORK ASSOCIATED WITH THE CONSTRUCTION MUST BE APPROVED BY THE SITES PROJECT AUTHORITY OR THEIR REPRESENTATIVE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING THE DAMAGE CAUSED TO EXISTING FACILITIES TO PRE-CONSTRUCTION CONDITIONS. ANY ROADS, CURBS, GUARDRAILS, SIGNS, FENCES, UTILITIES, FLOOD CONTROL STRUCTURES STAGING AND LAYDOWN AREAS WILL BE REPLACED OR REPAIRED TO APPLICABLE COUNTY AND/OR CALTRANS STANDARDS AT THE CONTRACTORS EXPENSE.
13. EXISTING ROADWAYS SHALL BE KEPT CLEAR OF MUD AND DEBRIS.
14. ALL EXISTING TREES AND VEGETATION WITHIN THE LIMITS OF THE FOOTPRINT OF CONSTRUCTED FACILITIES SHALL BE REMOVED. NOT ALL TREES AND VEGETATION ARE SHOWN ON THE DRAWINGS.
15. SEEDING SHALL BE APPLIED WITHIN THE DISTURBANCE AREAS OUTSIDE THE RESERVOIR OF NMWS. A NATIVE EROSION CONTROL SEED MIX SHALL BE USED PER SPECIFICATIONS.
16. DRAWING SCALES DEPICTED ARE BASED ON UNITED STATES ARMY CORPS OF ENGINEERS (USACE) PROJECT CAD STANDARDS SUMMARY. PLOTTING AREA FOR 22"x34" (D SIZE). CONFIRM SCALE FOR DRAWINGS PLOTTED AT ALL OTHER DIMENSIONS.
17. EXCAVATED GRADES TO BE INSPECTED BY THE ENGINEER PRIOR TO PLACEMENT OF ANY FILL MATERIALS.
18. THE CONTRACTOR SHALL EXAMINE THE DOCUMENTS AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WHICH MAY BE FOUND PRIOR TO THE START OF WORK.

19. DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES, UNLESS NOTED OTHERWISE.
20. FOR CONDITIONS DEVIATING FROM THE TYPICAL AND NOT SPECIFICALLY DETAILED IN THE PLANS, THE CONTRACTOR SHALL VERIFY CONSTRUCTION DETAILS WITH THE ENGINEER.
21. DETAILS AND DIMENSIONS OF EXISTING CONDITIONS AS SHOWN ON THESE DRAWINGS ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL FIELD VERIFY AND RESOLVE ANY CONFLICTS WITH THE ENGINEER.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SUBCONTRACTORS UNDER THE CONTRACTOR'S JURISDICTION.
23. THE BASELINE SHOWN ON THE DRAWINGS IS THE CONSTRUCTION REFERENCE LINE FOR THE PROJECT FACILITIES SHOWN. THE CONTRACTOR SHALL ESTABLISH THE BASELINE AND ANY OFFSETS REQUIRED.
24. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS. MONUMENTS AND SURVEY MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY A LICENSED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL PROVIDE ENGINEER WITH AT LEAST 48 HOURS ADVANCE NOTICE PRIOR TO REPLACEMENT.
25. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF ALL FEDERAL, STATE, AND LOCAL CODES, APPLICABLE PERMITS, AND OSHA STANDARDS.
26. INFORMATION CONTAINED WITHIN THESE DOCUMENTS SHALL NOT BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE REFERENCED CODES.
27. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE STATE WATER RESOURCES CONTROL BOARD FOR STORM WATER DISCHARGED ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
28. DUST CONTROL, EROSION CONTROL, AND SEDIMENT CONTROL MEASURES, INCLUDING STREET CLEANING AT WORK AREA ENTRANCES SHALL BE CONTINUOUSLY MAINTAINED.
29. THE CONTRACTORS SHALL MAINTAIN AND OPERATE CONSTRUCTION EQUIPMENT TO MINIMIZE EXHAUST EMISSIONS. DURING CONSTRUCTION, TRUCKS AND EQUIPMENT SHALL BE OPERATED ONLY WHEN NECESSARY AND ENGINES SHALL BE SHUT OFF WHEN TRUCKS ARE BEING LOADED, UNLOADED OR ARE OTHERWISE STATIONARY FOR A PERIOD OF MORE THAN 10 MINUTES. EQUIPMENT SHALL BE MAINTAINED IN GOOD CONDITION AND WELL TUNED TO MINIMIZE EXHAUST EMISSIONS.
30. THE CONTRACTOR SHALL CONDUCT OPERATIONS OUTSIDE OF AREAS TO BE PRESERVED OR PROTECTED ACCORDING TO THE PLANS.
31. THE CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN DESCRIBING METHODS TO SAFELY CONTROL TRAFFIC ON PUBLIC ROADWAYS IN AND AROUND THE SITE.
32. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR FURNISHING AND MAINTAINING ALL WARNING SIGNS, DEVICES, AND FEATURES NECESSARY TO PROTECT THE HEALTH AND SAFETY OF THE GENERAL PUBLIC AND WORKERS AND TO PROVIDE FOR THE PROPER AND SAFE ROUTING OF VEHICULAR AND PEDESTRIAN TRAFFIC DURING THE PERFORMANCE OF THE WORK.
33. EXISTING FENCING AND GATES WITHIN THE RIGHT-OF-WAY SHALL BE REMOVED AS REQUIRED FOR CONSTRUCTION AND AS SPECIFIED ON THE DRAWINGS. SALVAGE OF FENCING ITEMS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS. WHERE EXISTING FENCING OR BARRIERS ARE REMOVED, TEMPORARY BARRIERS SHALL BE PROVIDED. FENCING AND GATE SIGNS SHALL BE REPLACED FOLLOWING CONSTRUCTION.
34. DRAWINGS SHOWN WITH AERIAL PHOTOS ARE PROVIDED FOR REFERENCE ONLY. ALL FACILITIES MAY NOT BE SHOWN ON PHOTOS. THE CONTRACTOR SHALL SATISFY THEMSELVES AS TO THE LOCATION OF EXISTING FACILITIES THAT MAY BE AFFECTED BY CONSTRUCTION.
35. SEE SPECIAL PROVISIONS AND GENERAL SPECIFICATIONS, FOR MEASURES TO BE APPLIED WHEN WORKING AROUND TREES TO BE AVOIDED.

36. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING, SHORING, AND BRACING, OR EQUIVALENT METHOD, FOR THE PROTECTION OF LIFE OR LIMB, WHICH SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA AND ALL OSHA REQUIREMENTS. THE CONTRACTOR IS REQUIRED TO PREPARE AND SUBMIT A SHORING AND BRACING DESIGN STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA. REFER TO SPECIFICATIONS FOR ALL REQUIREMENTS.
37. AREAS OF CONSTRUCTION HAVE BEEN IDENTIFIED AS A POTENTIAL BREEDING GROUND AND/OR HABITAT FOR ENDANGERED SPECIES. ALL MITIGATION IDENTIFIED IN THE SPECIFICATIONS AND/OR PERMIT REQUIREMENTS SHALL BE IMPLEMENTED PRIOR TO CONSTRUCTION AND MAINTAINED THROUGHOUT CONSTRUCTION UNTIL THE PROJECT HAS BEEN FULLY ACCEPTED. THE CONTRACTOR IS REQUIRED TO USE A QUALIFIED BIOLOGIST AND CULTURAL RESOURCE MONITOR AS DEFINED IN THE SPECIFICATIONS. REFER TO SPECIFICATIONS FOR ALL REQUIREMENTS.
38. ALL EQUIPMENT, WORKERS, MATERIALS, OR OTHER ASPECTS NEEDED FOR CONSTRUCTION, SHALL BE BROUGHT IN ALONG THE IDENTIFIED ACCESS ROADS. NO OTHER PUBLIC ROADS SHALL BE USED.
39. REPRESENTATIVES FROM CALIFORNIA DEPARTMENT OF WATER RESOURCES, DIVISION OF SAFETY OF DAMS (DSOD) WILL PERIODICALLY INSPECT THE WORK IN PROGRESS DURING CONSTRUCTION, INCLUDING THE MATERIALS BEING INCORPORATED INTO THE WORK, AS WELL AS THE TEST RESULTS AND DOCUMENTATION ASSOCIATED WITH THE PROJECT. THE CONTRACTOR SHALL ALLOW DSOD REPRESENTATIVES ACCESS TO ALL LOCATIONS WITHIN PROJECT BOUNDARIES. ALL COMMUNICATIONS WITH DSOD PERTAINING TO THE PROJECT SHALL BE COORDINATED THROUGH THE ENGINEER. A 72-HOUR NOTICE (3 WORKING DAYS, EXCLUDING WEEKENDS AND HOLIDAYS) FROM THE OWNER IS REQUIRED TO SCHEDULE A DSOD INSPECTION. THEREFORE, THE CONTRACTOR SHALL COOPERATE WITH THE ENGINEER BY GIVING MORE THAN A 72-HOUR NOTICE OF ANY INSPECTION REQUIRING DSOD INVOLVEMENT TO ENSURE THERE IS SUFFICIENT TIME TO COORDINATE WITH DSOD.
40. THE CONTRACTOR SHALL PROVIDE SUCH LABOR AND EQUIPMENT AS NEEDED TO SUPPORT DSOD INSPECTIONS. DELAYS DUE TO THE CONTRACTOR'S FAILURE TO ADEQUATELY COORDINATE WITH THE ENGINEER AND DSOD FOR INSPECTIONS WILL NOT BE A BASIS FOR A CLAIM OR REQUEST FOR TIME EXTENSION.

Plot Date: 3/9/2024 12:24 PM Saved By: LINDSAY REID File: C:\pwworking\hdr\_sites\_reservoir\dms01255\STS-0001-G-0012.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



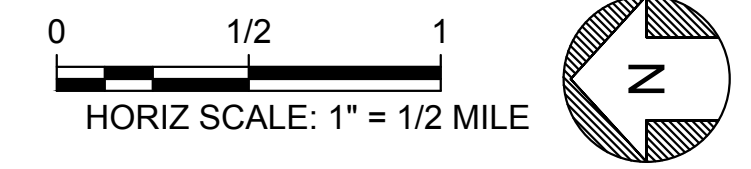
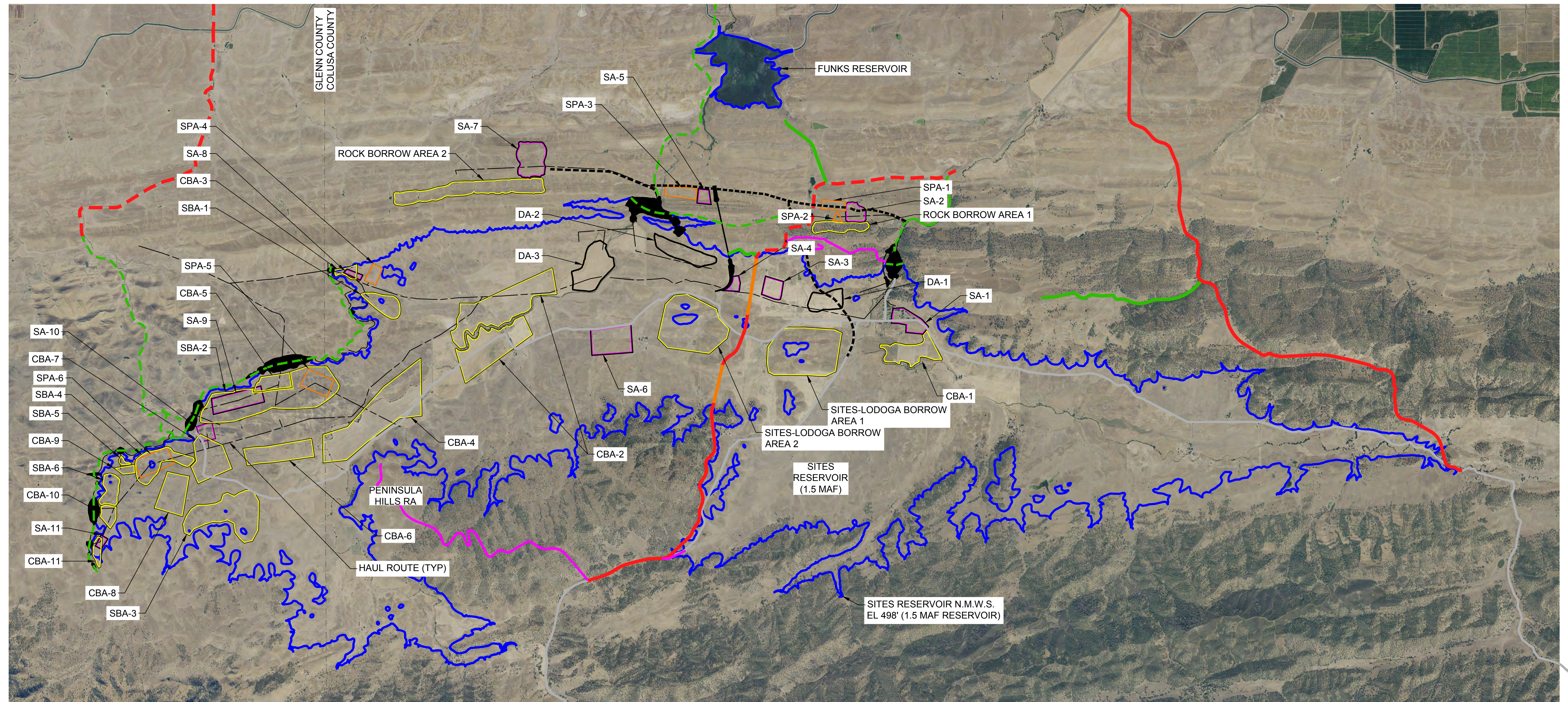
REGISTERED PROFESSIONAL ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA



**SITES RESERVOIR**  
**SITES RESERVOIR GENERAL NOTES**

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
0 1"
DRAWING NO.
STS-0001-G-0012
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



**LEGEND:**

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

**LEGEND:**

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

Plot Date: 3/7/2024 8:46 AM  
 Saved By: LINDSAY REID  
 File: C:\pwworking\hdr\_sites\_reservoir\dms01255\STS-0001-G-0013.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: R. LECLUSE  
 DRAWN BY: R. LECLUSE  
 CHECKED BY: B. ALDRIDGE  
 IN CHARGE: M. SMITH  
 DATE: 03/15/24



REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA



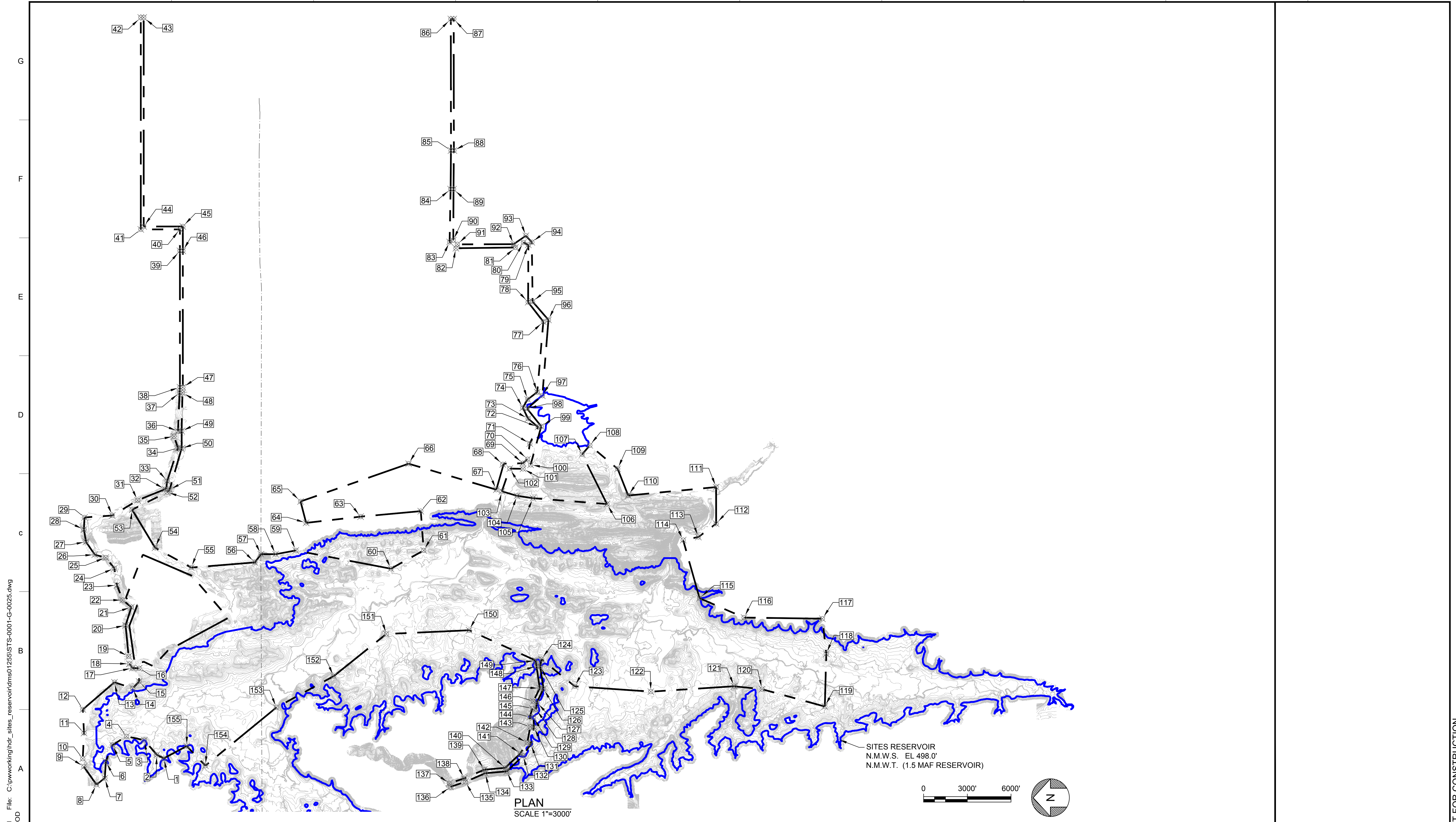
**SITES RESERVOIR**  
 SITES RESERVOIR  
 GENERAL  
 HAUL ROUTES, BORROW AREAS, DISPOSAL AREAS,  
 STOCKPILE AREAS, STAGING AREAS,  
 AND ROCK PROCESSING AREAS

VERIFY SCALES  
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 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
 0 1"

DRAWING NO.  
 STS-0001-G-0013  
 SHT OF

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Plot Date: 3/15/2024 3:30 PM  
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 File: C:\pwworking\hdr\_sites\_reservoir\dms01255\STS-0001-G-0025.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
 B. ALDRIDGE  
 DRAWN BY:  
 L. REID  
 CHECKED BY:  
 B. ALDRIDGE  
 IN CHARGE:  
 M. SMITH  
 DATE:  
 03/15/2024

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

REGISTERED  
 PROFESSIONAL  
 CIVIL  
 M. SMITH  
 C 42978  
 CALIFORNIA



**SITES RESERVOIR**  
 SITES RESERVOIR  
 CIVIL  
 LIMITS OF WORK

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

DRAWING NO.  
 STS-0001-G-0025  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

POINT COORDINATE TABLE

No.	NORTHING	EASTING
1	2,272,900.82	6,455,069.19
2	2,273,387.09	6,455,308.38
3	2,274,239.01	6,456,312.99
4	2,275,466.07	6,456,577.93
5	2,276,423.43	6,455,985.98
6	2,276,881.00	6,454,844.06
7	2,276,952.13	6,453,703.42
8	2,277,530.70	6,453,263.91
9	2,278,389.42	6,454,496.94
10	2,278,465.87	6,455,044.31
11	2,278,381.40	6,456,806.84
12	2,278,462.16	6,458,424.67
13	2,276,288.72	6,460,290.86
14	2,275,035.17	6,459,872.73
15	2,274,600.25	6,460,341.82
16	2,274,607.06	6,461,253.25
17	2,275,054.33	6,461,270.15
18	2,275,263.50	6,461,559.18
19	2,275,318.07	6,462,067.13
20	2,275,526.21	6,464,201.08
21	2,275,132.09	6,465,451.53
22	2,275,727.85	6,465,936.07
23	2,276,119.23	6,466,961.51
24	2,276,298.61	6,468,115.60
25	2,276,885.88	6,468,851.28
26	2,277,643.32	6,469,051.08
27	2,278,243.40	6,469,938.13
28	2,278,389.69	6,470,780.13
29	2,278,345.77	6,471,609.07
30	2,276,441.24	6,471,744.37
31	2,274,700.12	6,472,787.98
32	2,272,822.48	6,473,548.68
33	2,272,671.71	6,474,113.59
34	2,271,929.10	6,476,386.52
35	2,272,205.13	6,477,181.33
36	2,271,929.10	6,477,541.10
37	2,271,822.05	6,480,183.36
38	2,271,797.67	6,480,554.08
39	2,271,797.67	6,489,920.28
40	2,271,797.67	6,491,392.66

POINT COORDINATE TABLE

No.	NORTHING	EASTING
41	2,274,485.01	6,491,392.66
42	2,274,485.01	6,505,944.89
43	2,274,285.01	6,505,944.89
44	2,274,285.01	6,491,592.66
45	2,271,597.67	6,491,592.66
46	2,271,597.67	6,489,920.28
47	2,271,597.67	6,480,547.51
48	2,271,622.48	6,480,170.24
49	2,271,679.10	6,477,538.41
50	2,271,679.10	6,476,350.79
51	2,272,508.05	6,473,510.10
52	2,272,674.27	6,473,343.22
53	2,275,077.44	6,472,145.01
54	2,273,503.35	6,469,530.39
55	2,271,019.60	6,468,167.70
56	2,266,648.80	6,468,520.62
57	2,266,240.20	6,469,086.05
58	2,265,234.14	6,469,086.05
59	2,263,843.62	6,469,343.24
60	2,257,319.61	6,468,089.83
61	2,255,065.83	6,469,345.97
62	2,255,265.36	6,472,040.89
63	2,259,394.02	6,471,666.50
64	2,263,134.74	6,471,238.50
65	2,263,517.35	6,472,708.16
66	2,256,102.20	6,475,301.21
67	2,250,080.62	6,473,518.00
68	2,249,639.68	6,475,252.92
69	2,248,262.97	6,475,332.20
70	2,247,939.66	6,475,609.85
71	2,247,783.84	6,476,687.11
72	2,247,221.04	6,477,828.03
73	2,247,899.59	6,478,394.50
74	2,248,262.93	6,479,142.92
75	2,247,934.52	6,479,724.82
76	2,247,271.15	6,480,209.88
77	2,246,854.75	6,485,050.08
78	2,247,896.68	6,486,396.14
79	2,247,883.34	6,490,333.60
80	2,248,222.10	6,490,487.19

POINT COORDINATE TABLE

No.	NORTHING	EASTING
81	2,248,771.18	6,490,150.75
82	2,252,854.92	6,490,099.09
83	2,253,285.74	6,490,528.11
84	2,253,220.02	6,494,158.28
85	2,253,193.13	6,496,809.53
86	2,253,203.01	6,505,841.23
87	2,253,003.01	6,505,841.45
88	2,252,993.14	6,496,808.63
89	2,253,020.03	6,494,156.25
90	2,253,034.23	6,490,648.14
91	2,252,750.91	6,490,366.01
92	2,248,899.91	6,490,378.45
93	2,248,051.28	6,490,952.17
94	2,247,642.65	6,490,512.01
95	2,247,592.01	6,486,433.93
96	2,246,504.01	6,485,178.40
97	2,246,924.14	6,479,970.91
98	2,247,968.49	6,479,086.46
99	2,246,997.98	6,477,861.66
100	2,247,728.97	6,475,222.76
101	2,248,247.56	6,474,949.58
102	2,249,158.07	6,474,965.75
103	2,249,700.71	6,473,405.49
104	2,248,658.23	6,473,096.78
105	2,247,560.73	6,472,931.94
106	2,242,485.61	6,472,531.50
107	2,244,186.77	6,475,946.11
108	2,243,664.29	6,476,564.66
109	2,241,752.52	6,474,949.82
110	2,241,029.78	6,473,119.27
111	2,234,993.81	6,473,694.88
112	2,234,993.81	6,471,179.87
113	2,236,213.80	6,470,267.01
114	2,237,255.36	6,470,054.63
115	2,236,131.30	6,466,064.81
116	2,233,076.38	6,464,735.04
117	2,227,701.38	6,464,657.13
118	2,227,431.31	6,462,252.88
119	2,227,533.75	6,458,624.10
120	2,231,840.43	6,459,815.09

POINT COORDINATE TABLE

No.	NORTHING	EASTING
121	2,233,756.55	6,460,015.76
122	2,239,477.91	6,459,648.03
123	2,244,699.40	6,460,015.13
124	2,246,982.55	6,461,879.14
125	2,247,069.05	6,461,384.77
126	2,246,841.59	6,459,845.69
127	2,247,293.52	6,458,915.32
128	2,247,358.97	6,458,439.90
129	2,247,528.15	6,457,874.79
130	2,247,501.29	6,457,210.68
131	2,247,717.45	6,456,055.32
132	2,248,239.13	6,455,238.67
133	2,249,363.17	6,454,171.24
134	2,250,841.40	6,454,043.84
135	2,252,198.54	6,453,455.59
136	2,253,232.80	6,453,110.44
137	2,253,311.94	6,453,347.58
138	2,252,288.00	6,453,689.29
139	2,250,903.45	6,454,289.42
140	2,249,471.85	6,454,412.80
141	2,248,433.39	6,455,398.96
142	2,247,954.26	6,456,149.00
143	2,247,752.23	6,457,228.85
144	2,247,779.63	6,457,906.44
145	2,247,604.00	6,458,493.11
146	2,247,535.76	6,458,988.80
147	2,247,100.19	6,459,885.50
148	2,247,322.26	6,461,388.13
149	2,247,382.42	6,461,785.90
150	2,251,949.14	6,463,865.22
151	2,257,629.12	6,463,607.92
152	2,261,247.57	6,460,708.17
153	2,265,179.89	6,458,557.71
154	2,270,049.06	6,454,565.82
155	2,271,330.51	6,455,907.93

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REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY: B. ALDRIDGE  
 DRAWN BY: L. REID  
 CHECKED BY: B. ALDRIDGE  
 IN CHARGE: M. SMITH  
 DATE: 03/15/2024



REGISTERED PROFESSIONAL CIVIL  
 M. SMITH  
 C 42978  
 CALIFORNIA



**SITES RESERVOIR**

SITES RESERVOIR  
 CIVIL  
 LIMITS OF WORK

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
 0 1"  
 DRAWING NO.  
 STS-0001-G-0026  
 SHT OF

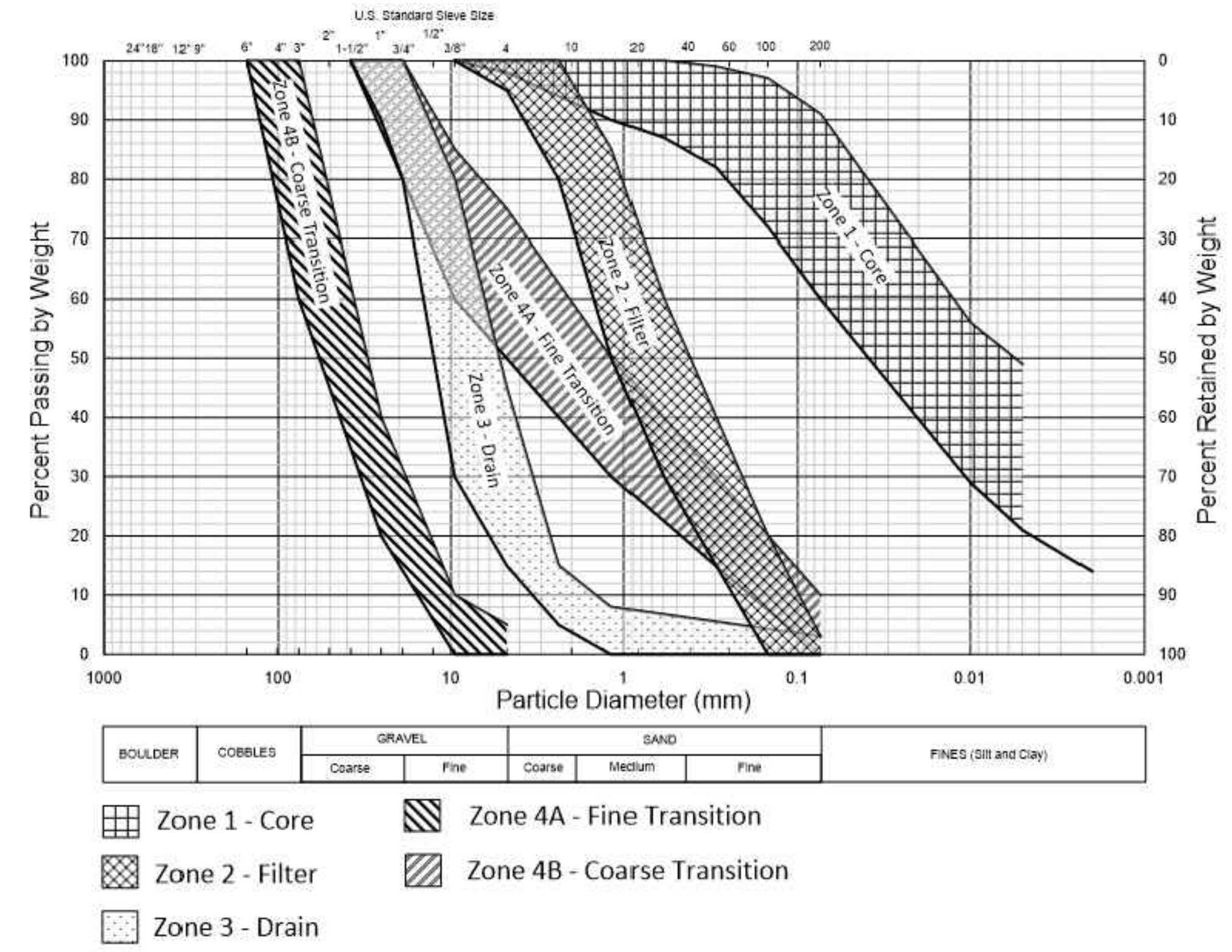
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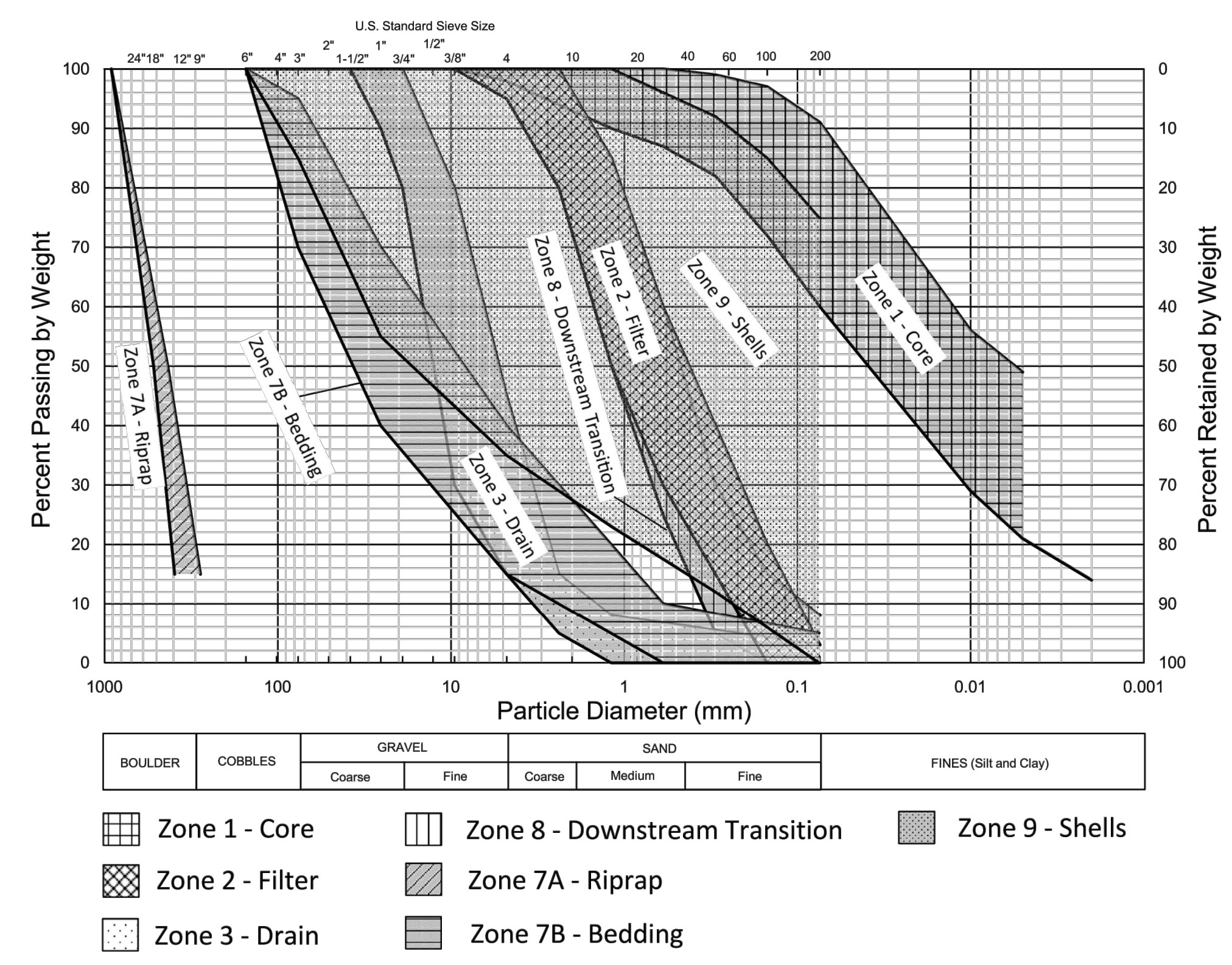
**ZONE DESCRIPTION TABLE**

ZONE	ZONE NAME	MATERIALS	SOURCE	GENERAL MATERIAL DESCRIPTION	PLACEMENT/COMPACTION REQUIREMENTS				
					LOOSE LIFT THICKNESS (INCHES)	COMPACTION EQUIPMENT	NO. OF PASSES	RELATIVE COMPACTION (PERCENT)	DEVIATION FROM OPTIMUM MOISTURE CONTENT
①	CORE	CLAYEY SOIL	ALLUVIAL BORROW	1" MAX, 50 TO 95% PASSING #200, 10<PI<40	8	ZONE 1: TAMPING FOOT ROLLER (CAT 825H OR SIMILAR) ZONE 1A: RUBBER TIRED ROLLER	ZONE 1: 8 (MIN) ZONE 1A: 6 (MIN)	98 (DWR S-10)	ZONE 1: -1 TO 3 ZONE 1A: 0 TO 4
②	FILTER	SAND	IMPORT	3/8" MAX, 3% MAX PASSING #200 MEETS ASTM C33 QUALITY REQUIREMENTS	12	12-TON SMOOTH DRUM VIBRATORY ROLLER	4 (BLANKET) 2 (CHIMNEY)	N/A	N/A
③	DRAIN	GRAVEL	IMPORT	1.5" MAX, 8% MAX PASSING #16 MEETS ASTM C33 QUALITY REQUIREMENTS	12	12-TON SMOOTH DRUM VIBRATORY ROLLER	4 (BLANKET) 2 (CHIMNEY)	N/A	N/A
④A	FINE TRANSITION	SAND AND GRAVEL	ROCK BORROW, SLIGHTLY WEATHERED TO FRESH SANDSTONE	1.5" MAX, 30% MAX PASSING #50	12	12-TON SMOOTH DRUM VIBRATORY ROLLER	6	N/A	N/A
④B	COARSE TRANSITION	SAND, GRAVEL, AND COBBLES	ROCK BORROW, SLIGHTLY WEATHERED TO FRESH SANDSTONE	6" MAX, 5% MAX PASSING #4	18	12-TON SMOOTH DRUM VIBRATORY ROLLER	6	N/A	N/A
⑤	ROCKFILL SHELL	SAND, GRAVEL, AND COBBLES	ROCK BORROW, SLIGHTLY WEATHERED TO FRESH SANDSTONE	30" MAX, 25% MAX PASSING #4	36	12-TON SMOOTH DRUM VIBRATORY ROLLER	6	N/A	N/A
⑥	RANDOM ROCKFILL SHELL	SAND, GRAVEL, AND COBBLES	ROCK BORROW, SLIGHTLY WEATHERED TO FRESH SANDSTONE AND SILTSTONE	30" MAX, 25% MAX PASSING #4	36	12-TON SMOOTH DRUM VIBRATORY ROLLER	6	N/A	N/A
⑦A	RIPRAP BEDDING	SAND, GRAVEL, AND COBBLES	ROCK BORROW, SLIGHTLY WEATHERED TO FRESH SANDSTONE	6" MAX, 5% MAX PASSING #4	18	12-TON SMOOTH DRUM VIBRATORY ROLLER	6	N/A	N/A
⑦B	RIPRAP	BOULDERS, COBBLES	ROCK BORROW, FRESH SANDSTONE	42" MAX, 6" MIN	N/A	PLACED (NO COMPACTION)	N/A	N/A	N/A
⑧	DOWNSTREAM TRANSITION	SAND	IMPORT	3/8" MAX, 8% MAX PASSING #200 MEETS ASTM C33 QUALITY REQUIREMENTS	12	12-TON SMOOTH DRUM VIBRATORY ROLLER	4 (BLANKET) 2 (CHIMNEY)	N/A	N/A
⑨	EARTHFILL SHELL	COBBLES, GRAVEL, SAND, CLAY	FOUNDATION / PORTAL EXCAVATION / SHELL BORROW	6" MAX, 20% TO 75% PASSING #200	8	TAMPING FOOT ROLLER (CAT 825H OR SIMILAR)	8 (MIN)	N/A	N/A

**B1** ZONE DESCRIPTION TABLE  
SCALE: NOT TO SCALE



**D6** SIEVE SIZE GRAPH - SITES DAM AND GOLDEN GATE DAM  
SCALE: NOT TO SCALE



**A6** SIEVE SIZE GRAPH - SADDLE DAMS AND DIKES  
SCALE: NOT TO SCALE

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY: M. SMITH  
 DRAWN BY: L. REID  
 CHECKED BY: B. ALDRIDGE  
 IN CHARGE: M. SMITH  
 DATE: 03/15/2024



REGISTERED PROFESSIONAL CIVIL  
 M. SMITH  
 C 42978  
 CALIFORNIA



**SITES RESERVOIR**  
 SITES RESERVOIR CIVIL  
 DAM AND DIKE EMBANKMENT  
 ZONE DESCRIPTION TABLE AND SIEVE SIZES

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS.  
 0 1"  
 DRAWING NO. STS-0001-G-0027  
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30% SUBMITTAL - NOT FOR CONSTRUCTION

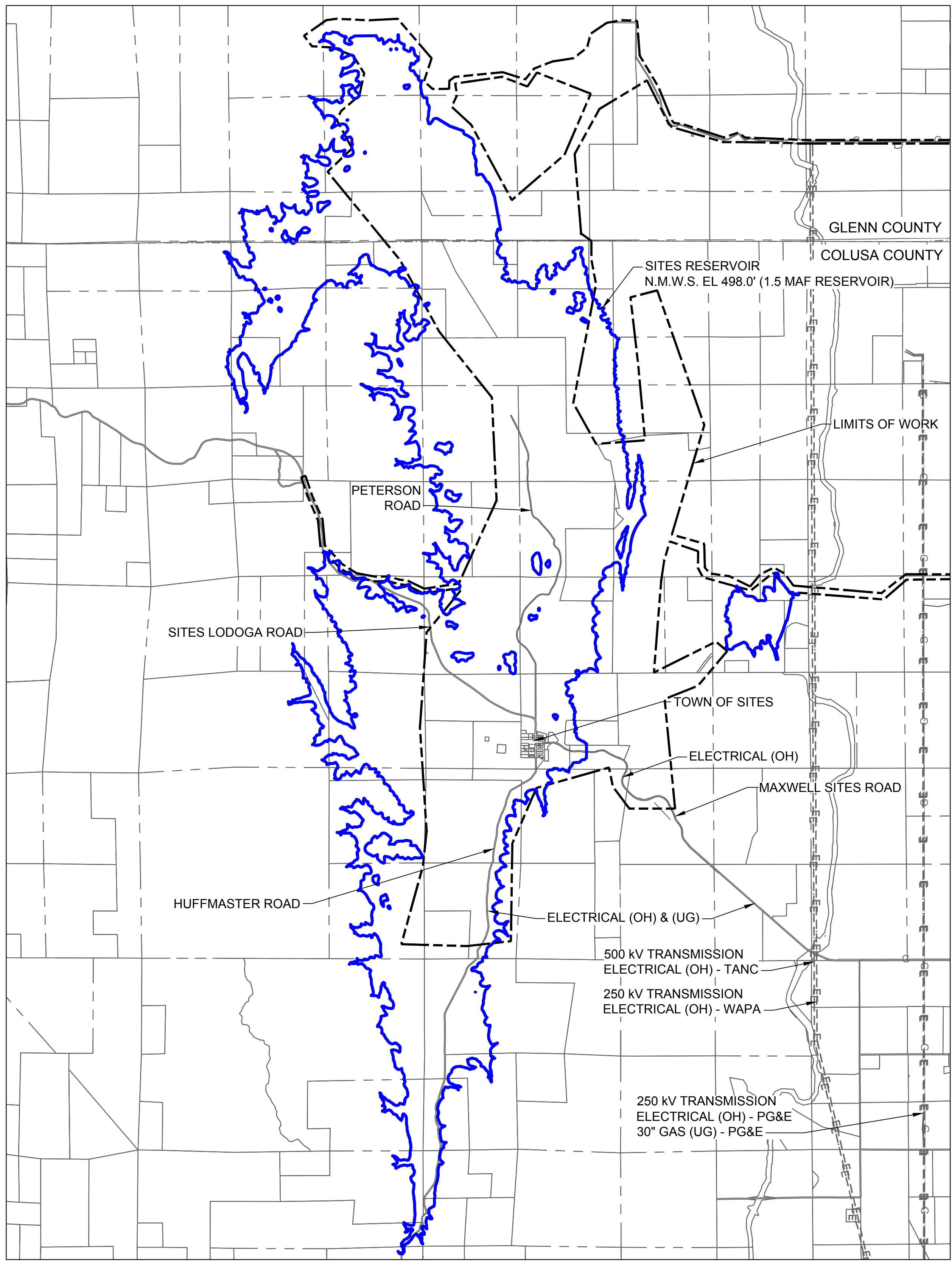
# SITES RESERVOIR DEMOLITION AND ABANDONMENT PLANS

**GENERAL DEMOLITION AND ABANDONMENT NOTES:**

1. PRIOR TO DEMOLITION AND ABANDONMENT ACTIVITIES, A SITE RECONNAISSANCE PERFORMED BY THE CONTRACTOR'S ENVIRONMENTAL CONSULTANT MUST BE CONDUCTED AT EACH PARCEL TO DETERMINE THE POTENTIAL PRESENCE OF HAZARDOUS MATERIALS THAT WILL REQUIRE ABATEMENT. AS NECESSARY, A DEMOLITION-LEVEL HAZARDOUS MATERIALS SURVEY SHALL BE CONDUCTED BY LICENSED PROFESSIONALS IN ACCORDANCE WITH APPLICABLE REGULATIONS TO SAMPLE AND QUANTIFY POTENTIAL ASBESTOS-CONTAINING MATERIAL AND LEAD-BASED PAINT.
2. ANY HAZARDOUS MATERIALS ENCOUNTERED DURING THE SITE RECONNAISSANCE AND/OR SURVEY MUST BE HANDLED AND ABATED BY A LICENSED CONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL LAWS PRIOR TO COMMENCING ANY DEMOLITION OR ABANDONMENT ACTIVITIES.
3. POTENTIAL HAZARDOUS MATERIALS THAT MAY BE ENCOUNTERED INCLUDES, BUT ARE NOT LIMITED TO, UNIVERSAL WASTES (E.G., MERCURY-CONTAINING FLUORESCENT BULBS), LEAD-BASED PAINT, ASBESTOS-CONTAINING MATERIAL, PETROLEUM HYDROCARBONS, POLYCHLORINATED BIPHENYLS, TREATED LUMBER, AND ARSENIC AND LEAD-IMPACTED SOIL, ETC.
4. CONDUCT SOIL SAMPLING IF WARRANTED BASED ON FINDINGS OF THE SITE RECONNAISSANCE (E.G., SOIL STAINING, USE OF ARSENICAL PESTICIDES OR HERBICIDES, PRESENCE OF FUEL DISPENSERS, ETC.) AND/OR THE HAZARDOUS MATERIALS SURVEY (E.G., PRESENCE OF LEAD-BASED PAINT THAT MAY HAVE CHIPPED OFF INTO ADJACENT SOIL).
5. ALL VEHICLES AND MECHANICAL EQUIPMENT (CARS, BOATS, FARM EQUIPMENT, ETC.) MUST BE CAREFULLY REMOVED, WITH LIQUIDS CONTAINED, FROM EACH PARCEL AND DISPOSED OF OR RECYCLED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL LAWS.
6. WATER WELLS, OIL AND GAS WELLS, SEPTIC SYSTEMS, ABOVE OR UNDERGROUND STORAGE TANKS, AND ASBESTOS-CEMENT PIPE MUST BE ABANDONED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL LAWS.
7. POWER POLES, TRANSFORMERS, AND WIRE NOT REMOVED BY PG&E MUST BE REMOVED AND DISPOSED OF OR RECYCLED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL LAWS.
8. ALL FEATURES DESIGNATED FOR DEMOLITION AND ANY CHEMICALLY IMPACTED SOIL DISCOVERED MUST BE DISPOSED OF OR RECYCLED OUTSIDE OF THE SITES RESERVOIR INUNDATION AREA IN A LEGALLY PERMITTED FACILITY AND MUST BE ACCOMPANIED WITH A BILL OF LADING OR/AND APPROPRIATE WASTE DISPOSAL MANIFEST.
9. THE CONTRACTOR AND EACH SUBCONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED TO PERFORM THE WORK DEFINED IN THE DOCUMENTS. THE CONTRACTOR RESPONSIBLE FOR PERFORMING THE WORK SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL PERMITS PERTAINING TO ITS WORK.
10. CONCRETE FOUNDATIONS AND SLABS SHALL BE ABANDONED-IN-PLACE IF DETERMINED TO BE CLEAN BY ENVIRONMENTAL ASSESSMENT. FOUNDATIONS AND SLABS WITH AGGREGATE BASE DETERMINED TO BE CRUSHED MISCELLANEOUS BASE (CMB) OR OTHER ASPHALT CONTAMINATED MATERIAL SHALL BE REMOVED.

**GENERAL NOTES:**

1. DEMOLITION IS ONLY REQUIRED WITHIN THE WORK LIMITS.
2. FOR ROAD DEMOLITION WORK SEE DRAWINGS STS-0005-C-1001 THROUGH STS-0005-C-1004.
3. FOR FENCING DEMOLITION WORK SEE DRAWINGS STS-0005-C-1101 THROUGH STS-0005-C-1113.
4. FOR OTHER RESERVOIR AREA DEMOLITION WORK SEE DRAWINGS STS-0005-C-1201 THROUGH STS-0005-C-1233.



**PLAN**  
SCALE: NOT TO SCALE

OTHER ITEMS TO BE DEMOLISHED		
ITEM	COUNT	UNIT
MAXWELL SITES & SITES LODOGA ROADS, ASPHALT PAVED	14,700*	FEET
HUFFMASTER ROAD, ASPHALT PAVED	740*	FEET
STANDING TIMBER	700**	ACRES
METAL FENCING, WITH AND WITHOUT BARBED WIRE	40**	MILES
UNDERGROUND STORAGE TANKS, OIL-FILLED	15**	UST
NATURAL SPRING CAPS AT SALT LAKE (ONE IN LAKE; TWO UPSTREAM)	3**	GROUT & COVER
DEMOLISH OVERHEAD ELECTRIC	130,000**	FEET

\*CALCULATED FROM ANALYSIS OF 2023 AERIAL SURVEY  
\*\* FROM 2021 RDEIR/SDEIS

Plot Date: 3/18/2024 1:20 PM File: C:\pwworking\hdr\_sites\_reservoir\dms00929\STS-0005-C-0001.dwg Saved By: KRISTINE PALMISANO

30% SUBMITTAL - NOT FOR CONSTRUCTION

DESIGNED BY:	A. LEUTHARD
DRAWN BY:	L. REID
CHECKED BY:	J. HERRIN
IN CHARGE:	M. SMITH
DATE:	03/15/24

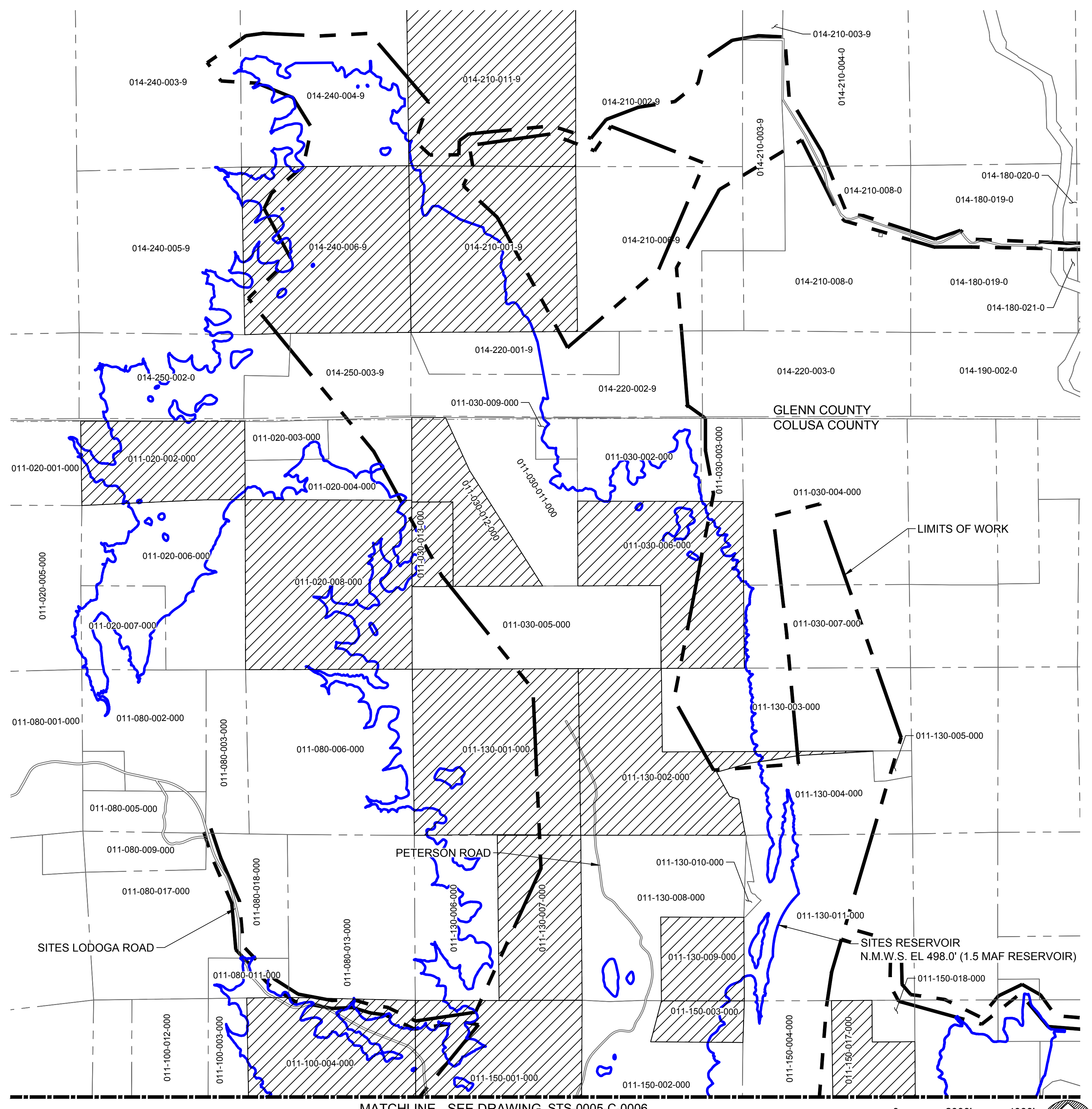


REGISTERED PROFESSIONAL ENGINEER  
A. LEUTHARD  
#####  
CALIFORNIA



**SITES RESERVOIR**  
SITES RESERVOIR CIVIL  
DEMOLITION AND ABANDONMENT PLAN  
GENERAL

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.
DRAWING NO.	STS-0005-C-0001
SHT	OF

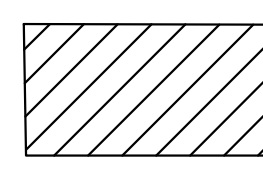
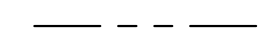


PLAN - SITES RESERVOIR - NORTH  
HORIZ SCALE: 1" = 2000'

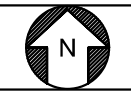
GENERAL NOTES

1. DEMOLITION IS ONLY REQUIRED WITHIN LIMITS OF WORK.

LEGEND

-  ASSESSOR'S PARCEL WITH KNOWN DEMOLITION OR ABANDONMENT FEATURES
-  PARCEL BOUNDARY

KEY MAP



Plot Date: 3/19/2024 1:23 PM File: C:\pwworking\hdf\_sites\_reservoir\dms00929\STS-0005-C-0002.dwg  
Saved By: KRISTINE PALMISANO

REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY:  
A. LEUTHARD

DRAWN BY:  
L. REID

CHECKED BY:  
J. HERRIN

IN CHARGE:  
M. SMITH

DATE:  
03/15/24



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A. LEUTHARD  
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**SITES RESERVOIR**

SITES RESERVOIR  
CIVIL  
RESERVOIR DEVELOPMENT  
DEMOLITION AND ABANDONMENT PLAN - NORTH

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

0 1"

DRAWING NO.  
STS-0005-C-0002  
SHT OF

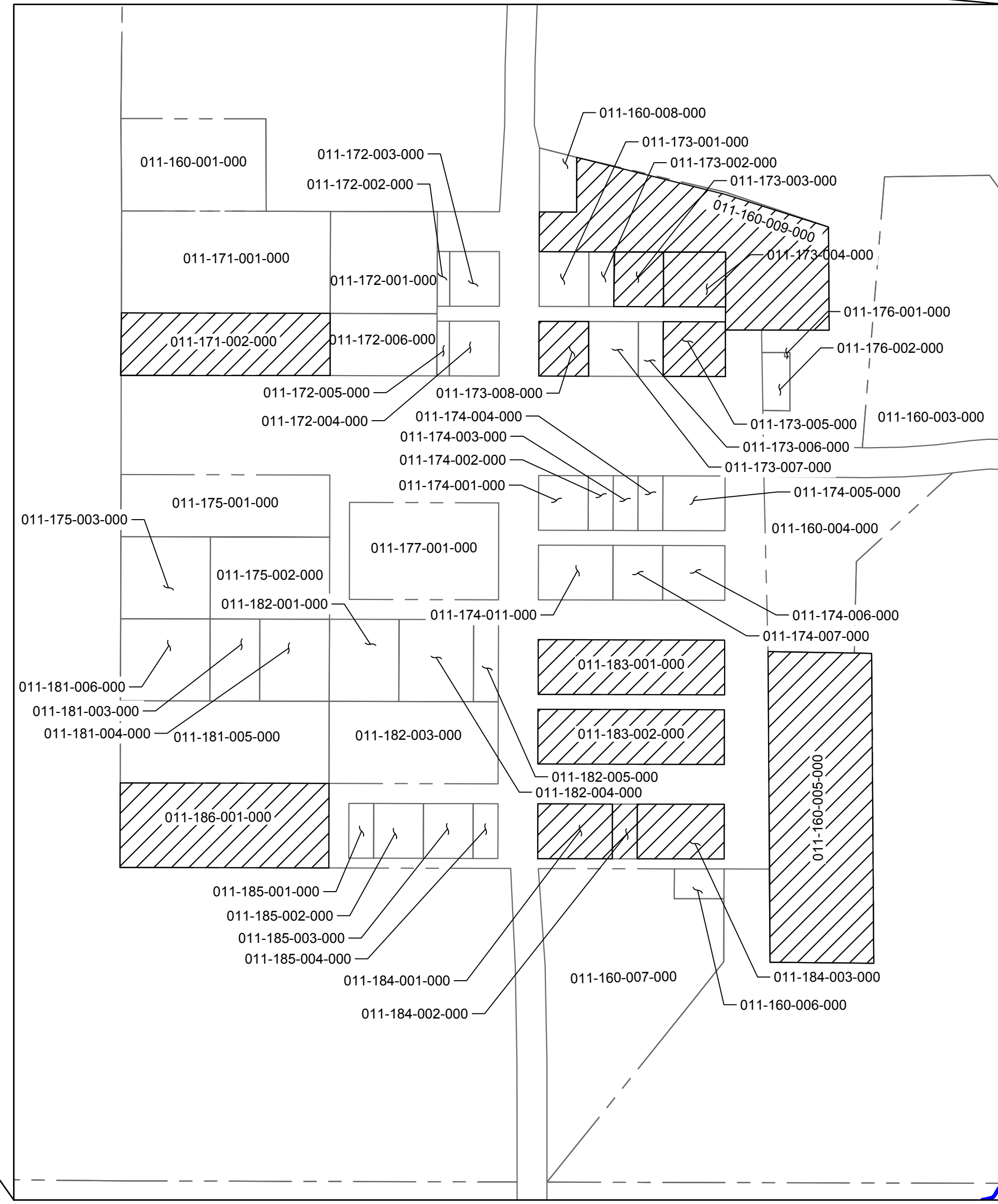
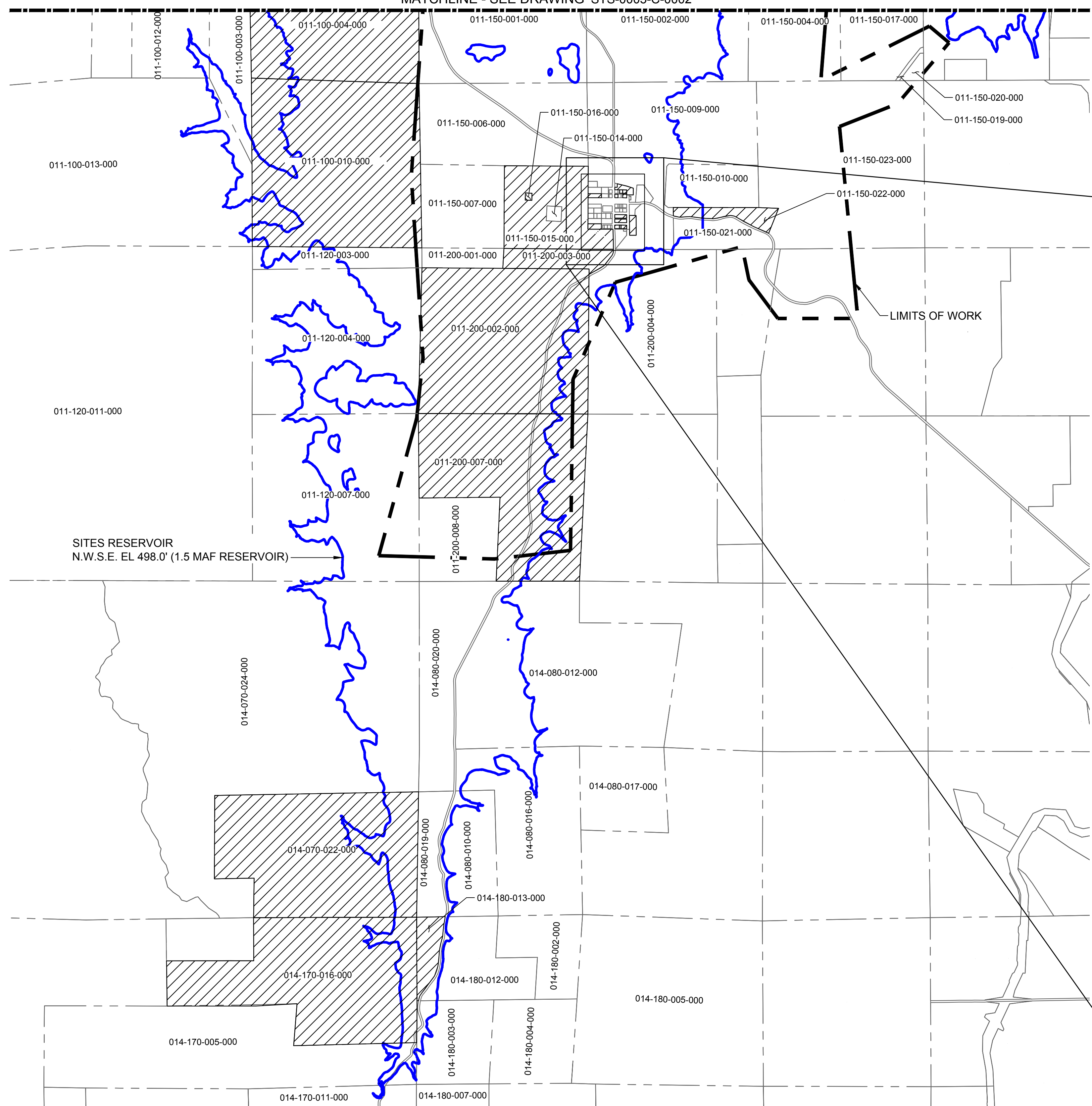
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MATCHLINE - SEE DRAWING STS-0005-C-0002

GENERAL NOTES

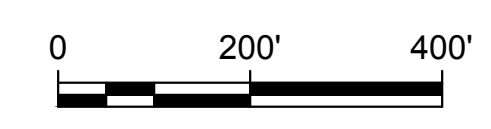
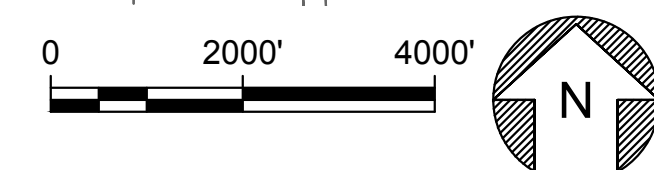
1. DEMOLITION IS ONLY REQUIRED WITHIN LIMITS OF WORK.

G  
F  
E  
D  
C  
B  
A



PLAN - SITES RESERVOIR - TOWN OF SITES  
HORIZ SCALE: 1" = 200'

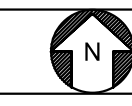
PLAN - SITES RESERVOIR - SOUTH  
HORIZ SCALE: 1" = 2000'



LEGEND

- ASSESSOR'S PARCEL WITH KNOWN DEMOLITION OR ABANDONMENT FEATURES
- PARCEL BOUNDARY

KEY MAP



Plot Date: 3/18/2024 1:28 PM File: C:\pwworking\hdr\_sites\_reservoir\dms0029\STS-0005-C-0003.dwg Saved By: KRISTINE PALMISANO

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DESIGNED BY: A. LEUTHARD  
 DRAWN BY: L. REID  
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 IN CHARGE: M. SMITH  
 DATE: 03/15/24



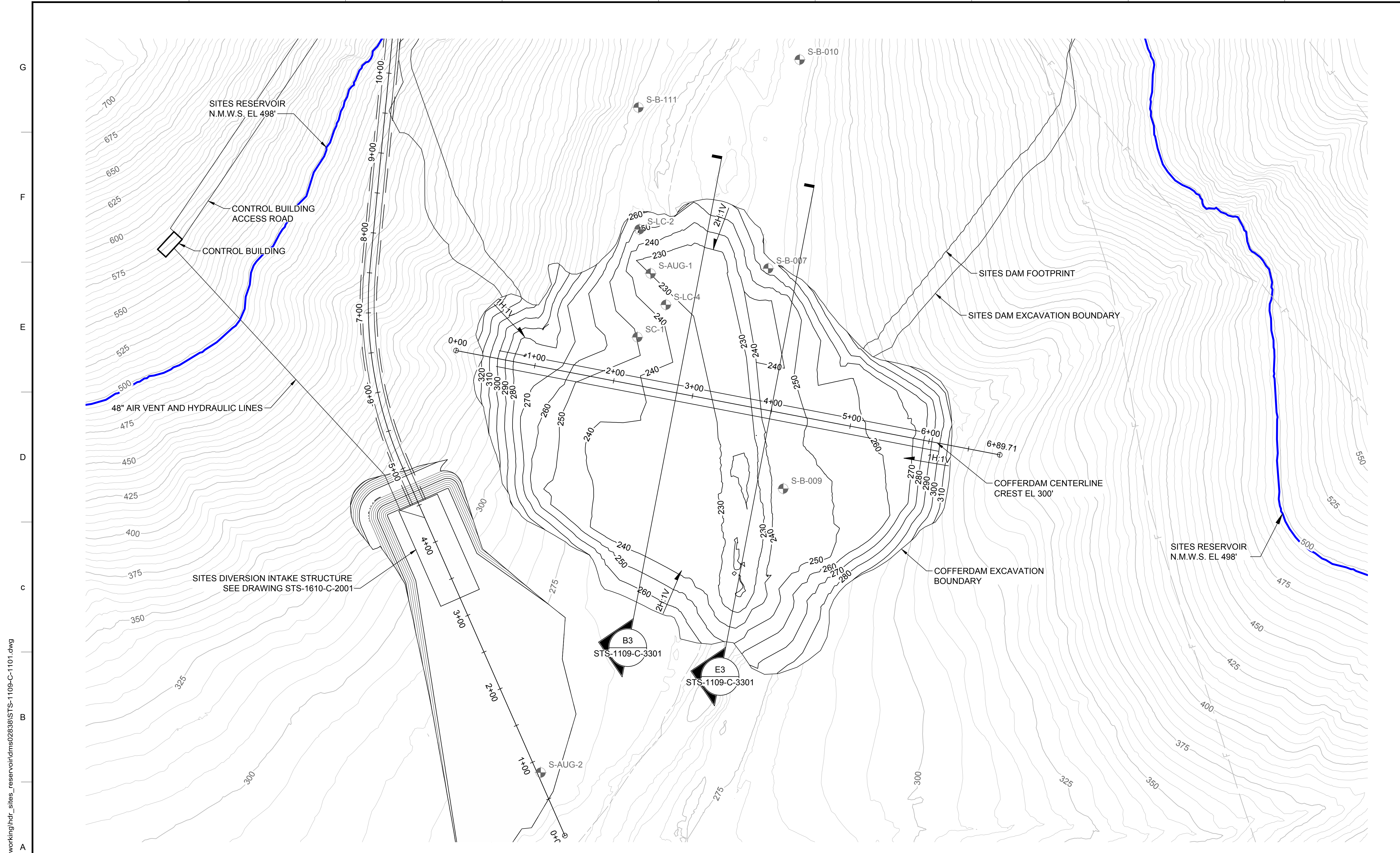
REGISTERED PROFESSIONAL ENGINEER  
 A. LEUTHARD  
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 CALIFORNIA



**SITES RESERVOIR**  
 SITES RESERVOIR CIVIL  
 RESERVOIR DEVELOPMENT  
 DEMOLITION AND ABANDONMENT PLAN - SOUTH

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
  
 DRAWING NO. STS-0005-C-0003  
 SHT OF

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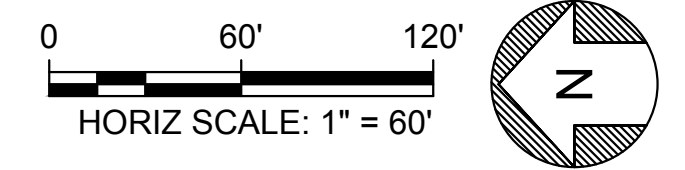
**GENERAL NOTES**

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

**KEY MAP**



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



Plot Date: 3/20/2024 4:07 PM  
 Saved By: LECLUSER  
 File: C:\pwworking\hdr\_sites\_reservoir\dms02838\STS-1109-C-1101.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



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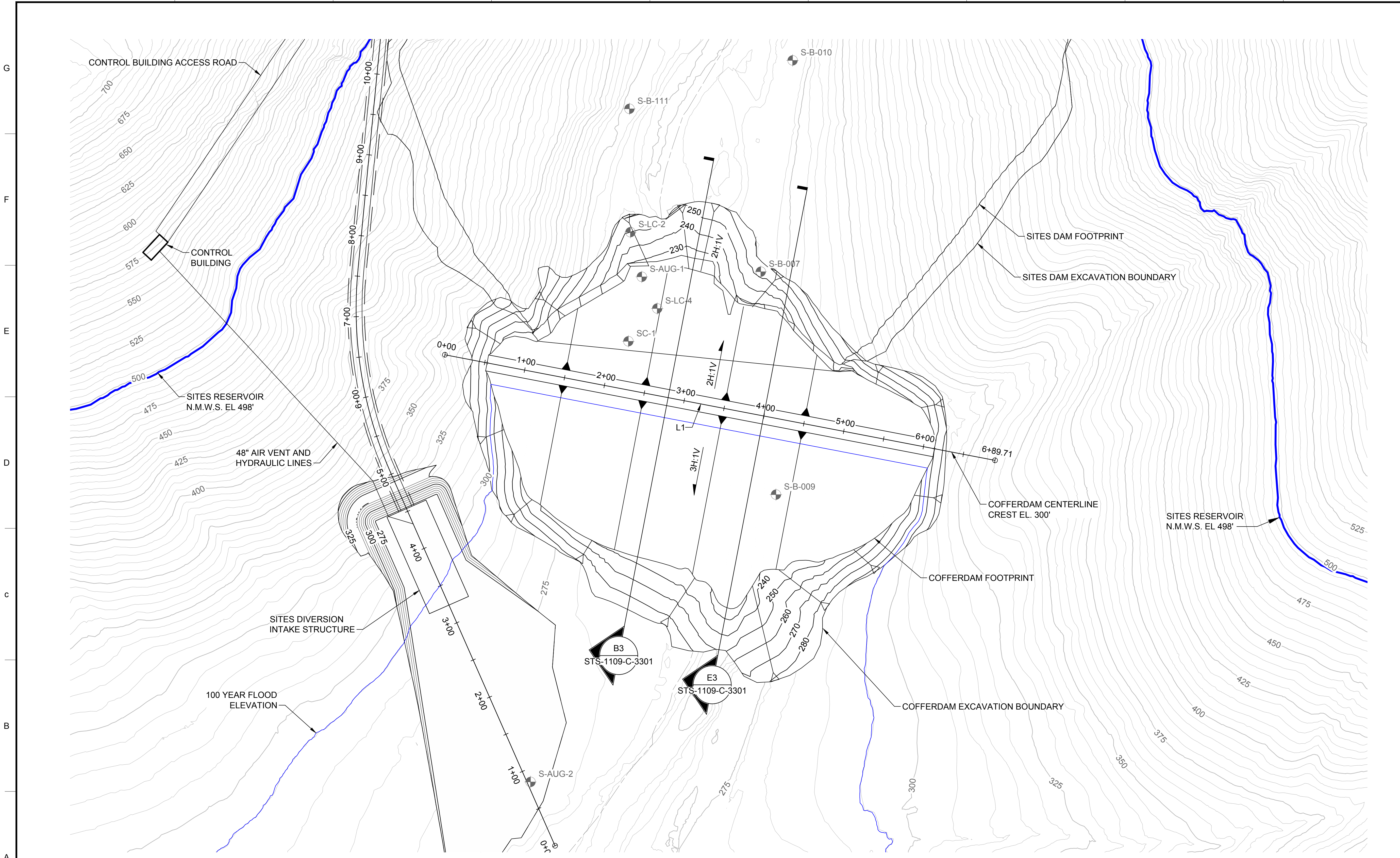
**SITES RESERVOIR**  
**SITES DAM COFFERDAM**  
**CIVIL**  
**FOUNDATION EXCAVATION**  
**PLAN**

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
  
 DRAWING NO.  
 STS-1109-C-1101  
 SHT OF

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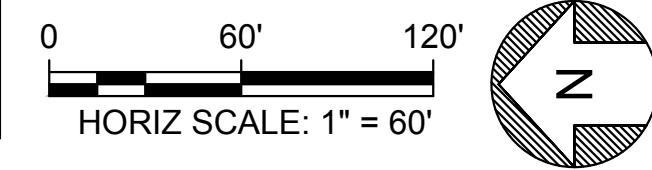
**GENERAL NOTES**

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

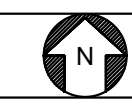


**PLAN**  
HORIZ SCALE: 1" = 60'

DAM AXIS		
POINT NAME	NORTHING	EASTING
CREST BEGIN	2238502.45	6468312.03
CREST END	2237951.66	6468206.32



**KEY MAP**



Plot Date: 3/20/2024 4:12 PM  
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REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	D. HUGHES
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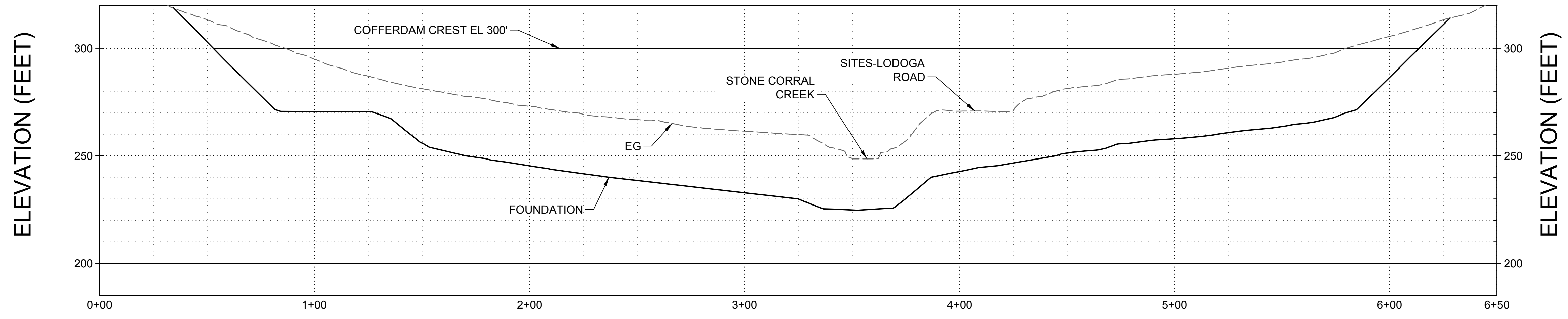


**SITES RESERVOIR**  
**SITES DAM COFFERDAM**  
**CIVIL**  
**EMBANKMENT**  
**PLAN**

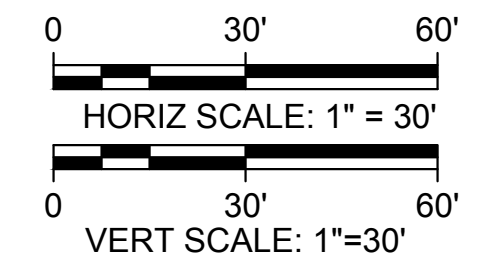
VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO.	STS-1109-C-2001
SHT	OF

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



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 Plot Date: 3/10/2024 2:59 PM  
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REV	DATE	BY	CHK	APPR	DESCRIPTION

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



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 CALIFORNIA



**SITES RESERVOIR**  
 SITES DAM COFFERDAM  
 CIVIL  
 EMBANKMENT  
 PROFILE

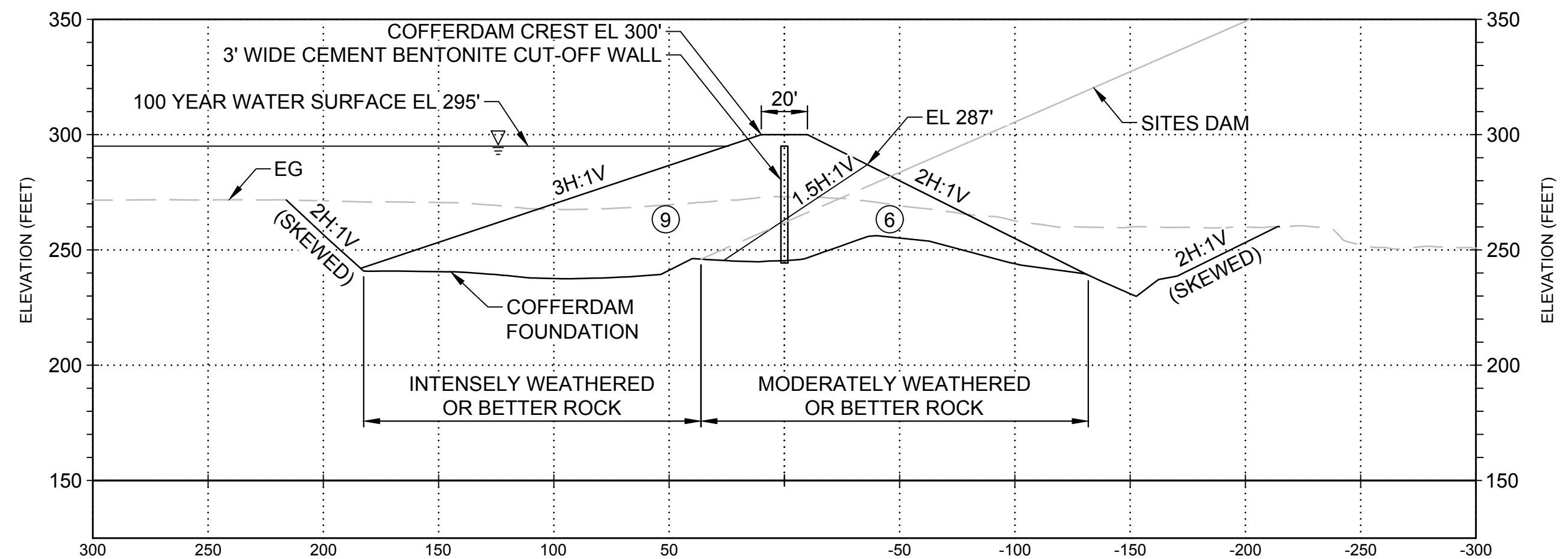
VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
 0 1"

DRAWING NO.  
 STS-1109-C-3201  
 SHT OF

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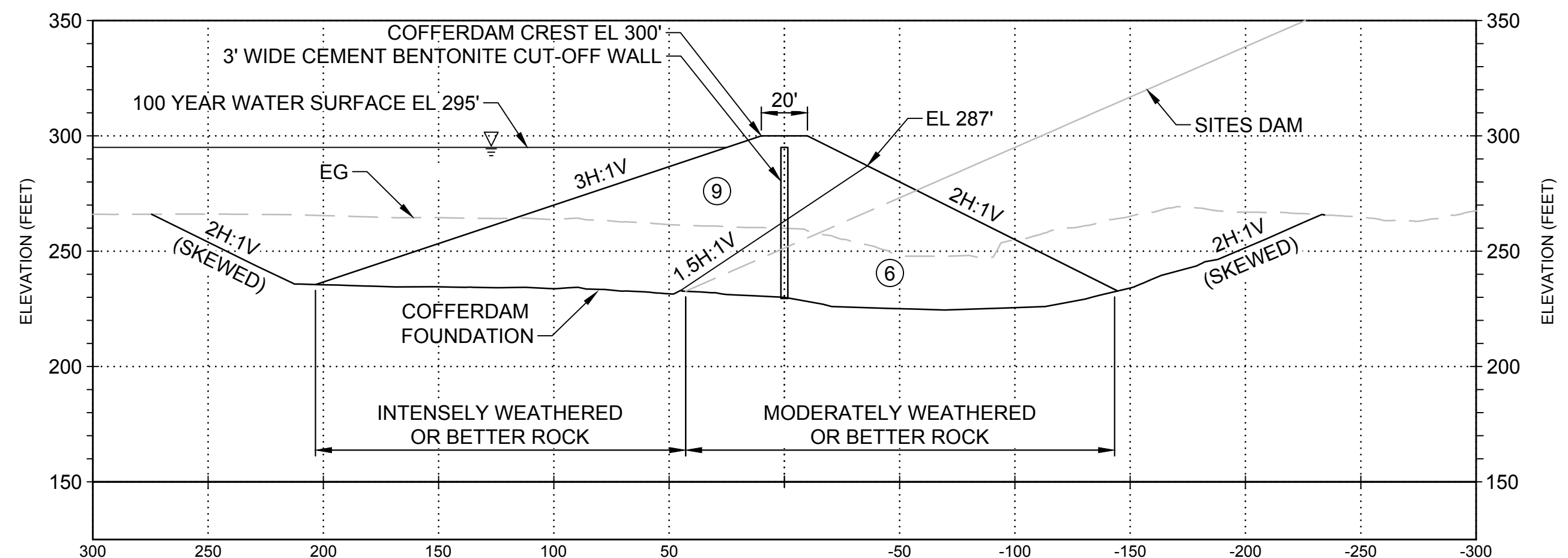
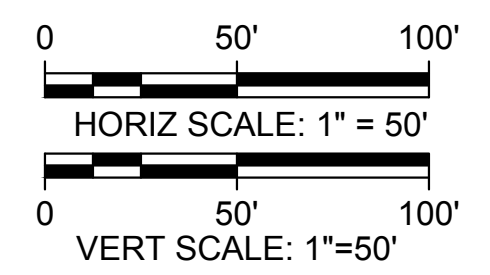
GENERAL NOTES

1. SEE SHEET STS-1110-C-3101 FOR ZONE DESCRIPTION.
2. FOUNDATION CONTOURS ARE APPROXIMATE. THE INTENT OF THE FOUNDATION EXCAVATION IS TO PROVIDE A STABLE, COMPETENT FOUNDATION FOR THE COFFERDAM; AND THE DOWNSTREAM PORTION FOR SITES DAM, AS SHOWN ON STS-1109-C-3301. THE EXCAVATION SHOULD BE PERFORMED TO THE LEVELS SHOWN, OR DEEPER IF NECESSARY TO BE IN INTENSELY WEATHERED BEDROCK FOR THE UPSTREAM PORTION AND MODERATELY WEATHERED BEDROCK FOR THE DOWNSTREAM PORTION, AS DETERMINED BY THE ENGINEER AND APPROVED BY DSOD. FIELD IDENTIFICATION CRITERIA FOR THE DEGREE OF ROCK WEATHERING IS PROVIDED IN SECTION ### OF THE TECHNICAL SPECIFICATIONS.
3. FOR ZONE DESCRIPTION TABLE AND SIEVE SIZES SEE STS-0001-G-0027.



**E3** SECTION - STA 2+05  
HORIZONTAL SCALE: 1" = 50'

STS-1109-C-2001



**B3** SECTION - STA 3+20  
HORIZONTAL SCALE: 1" = 50'

STS-1109-C-2001

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REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY:  
D. HUGHES

DRAWN BY:  
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CHECKED BY:  
B. ALDRIDGE

IN CHARGE:  
M. SMITH

DATE:  
03/15/24



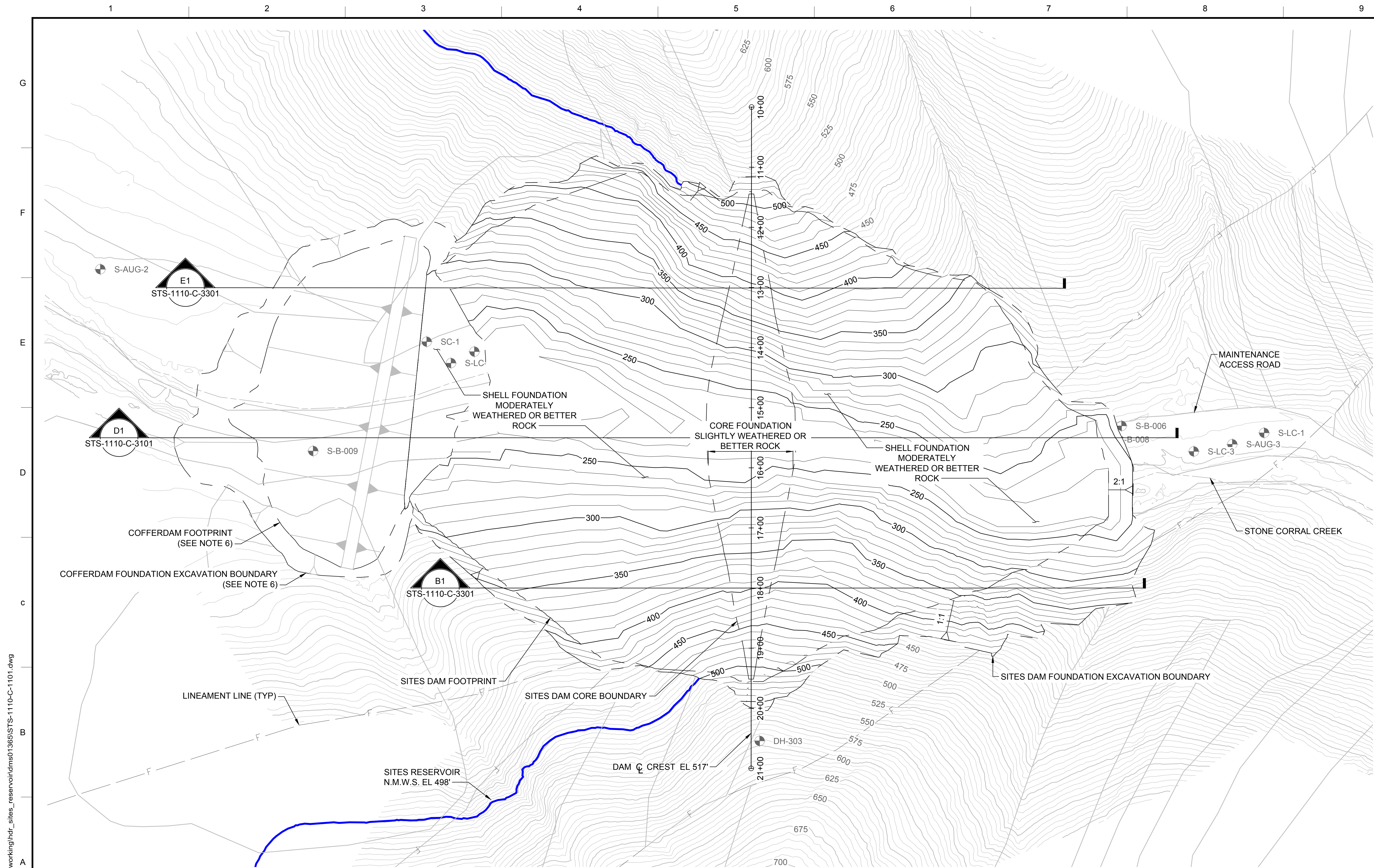
REGISTERED PROFESSIONAL ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA



SITES RESERVOIR  
SITES DAM COFFERDAM  
CIVIL EMBANKMENT SECTIONS

VERIFY SCALES  
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DRAWING NO.  
STS-1109-C-3301  
SHT OF

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**GENERAL NOTES**

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

**KEY MAP**



**PLAN**  
HORIZ SCALE: 1" = 80'

0 80' 160'  
HORIZ SCALE: 1" = 80'

Plot Date: 3/22/2024 10:56 AM File: C:\pwworking\hdr\_sites\_reservoir\dms01365\STS-1110-C-1101.dwg Saved By: LINDSAY REID

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:	M. SMITH
DRAWN BY:	R. L'ECLUSE
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IN CHARGE:	M. SMITH
DATE:	03/15/24



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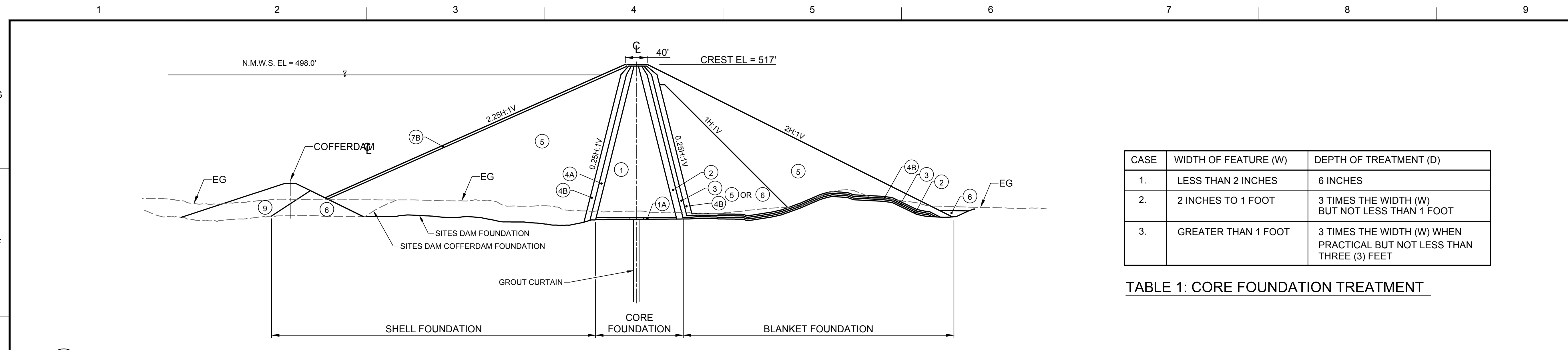


**SITES RESERVOIR**  
**SITES DAM**  
**CIVIL**  
**FOUNDATION EXCAVATION**  
**PLAN**

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO.	STS-1110-C-1101
SHT	OF

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 File: C:\pwworking\hdr\_sites\_reservoir\dms01365\STS-1110-C-1104.dwg



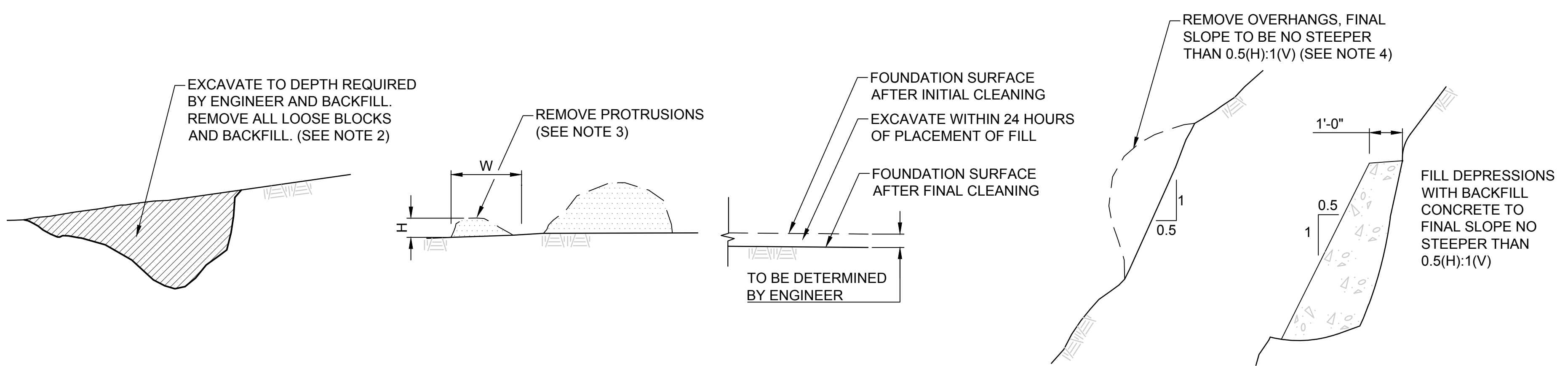
CASE	WIDTH OF FEATURE (W)	DEPTH OF TREATMENT (D)
1.	LESS THAN 2 INCHES	6 INCHES
2.	2 INCHES TO 1 FOOT	3 TIMES THE WIDTH (W) BUT NOT LESS THAN 1 FOOT
3.	GREATER THAN 1 FOOT	3 TIMES THE WIDTH (W) WHEN PRACTICAL BUT NOT LESS THAN THREE (3) FEET

TABLE 1: CORE FOUNDATION TREATMENT

- GENERAL NOTES**
- ALL TREATMENT DETAILS ARE GIVEN AS GUIDELINES AND ARE SUBJECT TO CHANGE AS REQUIRED BY THE ENGINEER.
  - BACKFILL VOIDS AND DEPRESSIONS WITH COMPACTED ZONE 1 OR 2 MATERIAL, AS APPROPRIATE, IN THEIR RESPECTIVE FOUNDATIONS. FILL WITH BACKFILL CONCRETE IF REQUIRED BY THE ENGINEER.
  - REMOVE ROCK PROTRUSIONS SO THAT WIDTH (W) TO HEIGHT (H) RATIO IS GREATER THAN 3. UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
  - REMOVE ALL OVERHANGS.
  - IN BLANKET FOUNDATION EXCAVATE SHEARED OR BROKEN MATERIAL TO DEPTH (D) EQUAL TO WIDTH (W) OF SHEARED OR BROKEN MATERIAL. EXCAVATION NOT REQUIRED FOR W LESS THAN 2 INCHES.
  - EXTEND CORE TREATMENT 20' UPSTREAM AND DOWNSTREAM OF CORE FOUNDATION LIMITS WHERE SHEAR ZONES, CAVITIES, CRACKS AND SEAMS TRAVERSE BEYOND CORE FOUNDATION.
  - FOR ZONE INFORMATION SEE DRAWING STS-1110-C-3101. FOR ZONE DESCRIPTION TABLE AND SIEVE SIZES SEE STS-0001-G-0027.

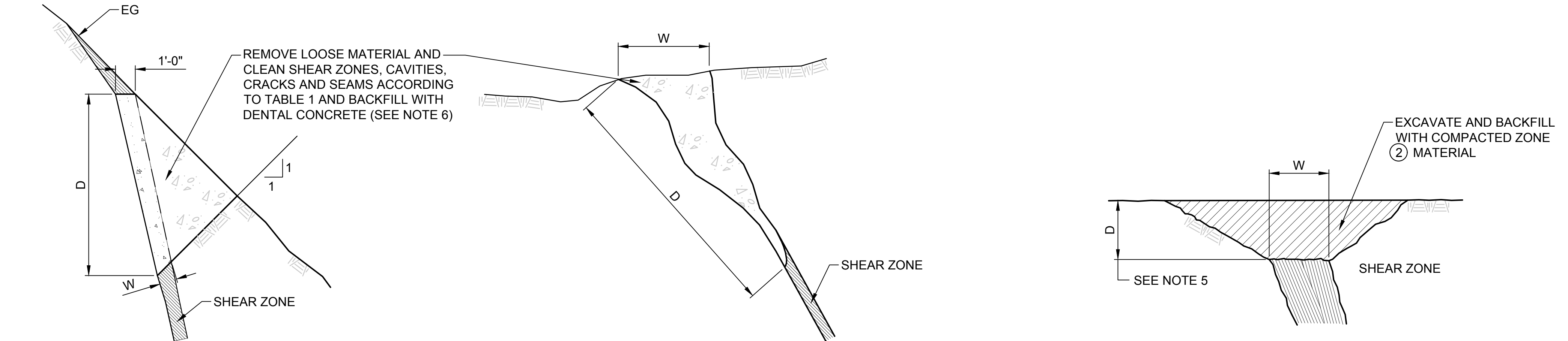
**E1 FOUNDATION ZONE DEFINITION**  
NOT TO SCALE

STS-1110-C-3101



**C1 SURFACE TREATMENT OF CORE FOUNDATION**  
NOT TO SCALE

STS-1110-C-3101



**A1 TREATMENT OF SHEAR ZONES IN CORE FOUNDATION**  
NOT TO SCALE

STS-1110-C-3101

**A5 TREATMENT OF SHEAR ZONES IN BLANKET FOUNDATION**  
NOT TO SCALE

STS-1110-C-3101

DESIGNED BY:	M. SMITH
DRAWN BY:	R. L'ECLUSE
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IN CHARGE:	M. SMITH
DATE:	03/15/24



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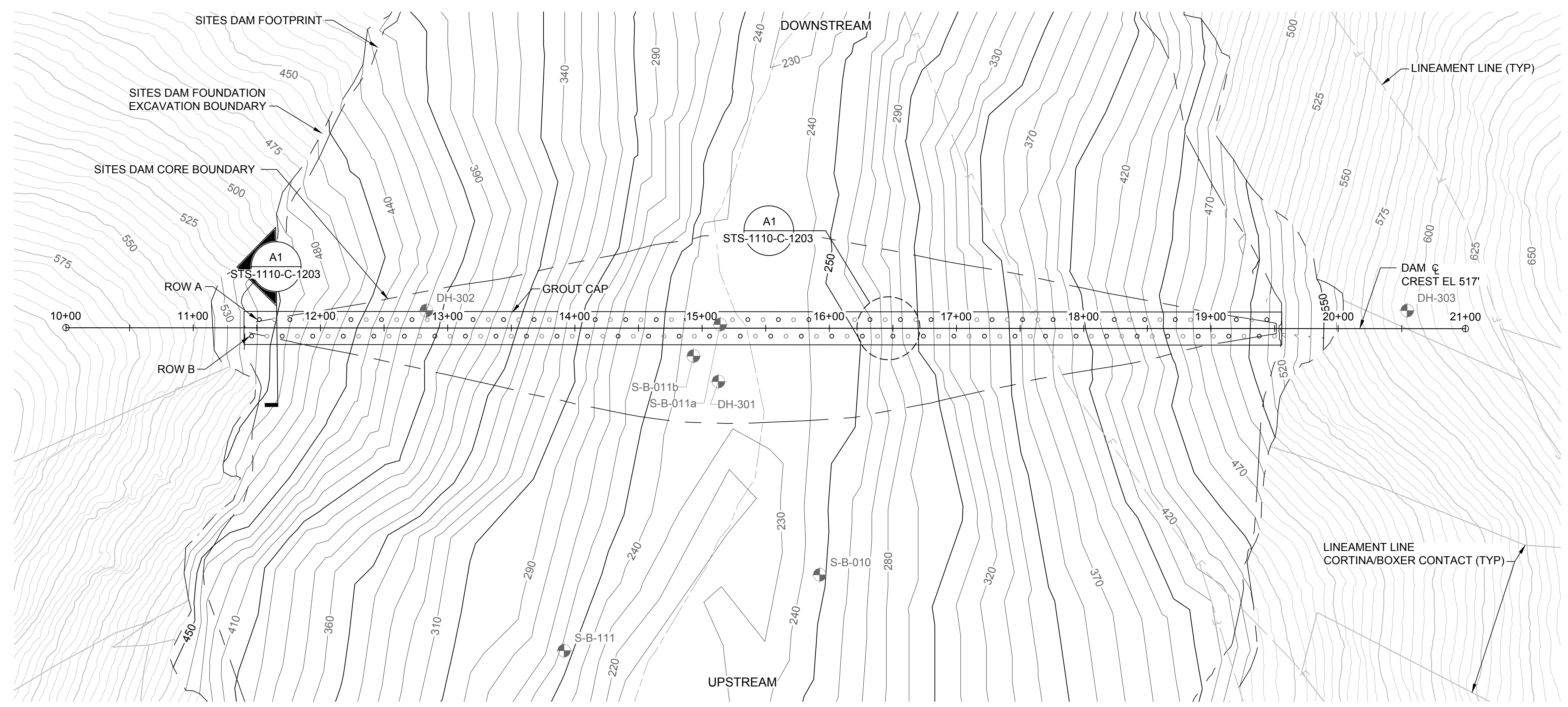
**SITES RESERVOIR**  
SITES DAM AND GOLDEN GATE DAM  
CIVIL  
FOUNDATION SURFACE TREATMENT  
DETAILS

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
DRAWING NO.  
STS-1110-C-1104  
SHT OF

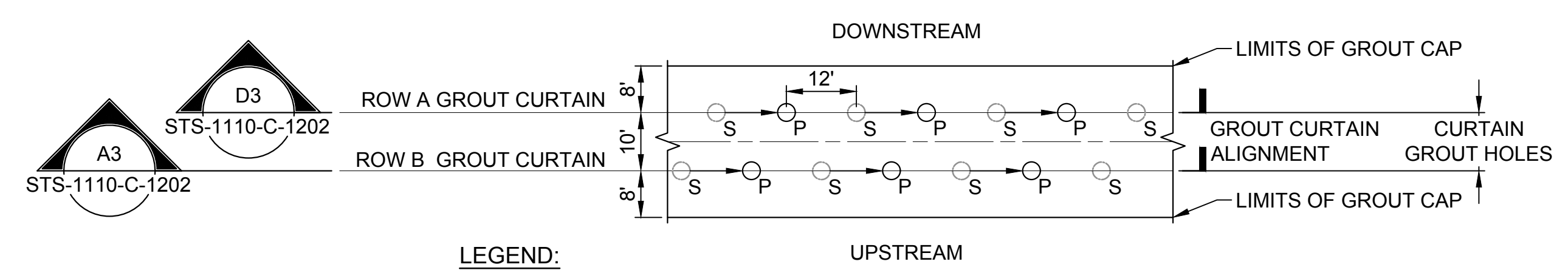
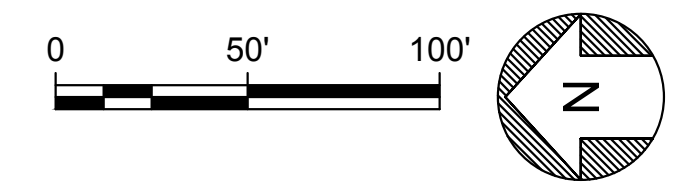
30% SUBMITTAL - NOT FOR CONSTRUCTION

**GENERAL NOTES**

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

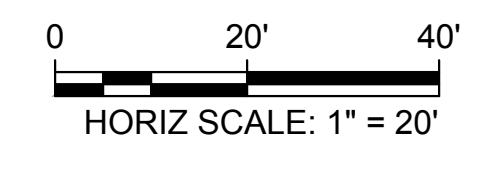


**PLAN**  
HORIZ SCALE: 1" = 50'

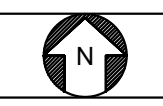


- LEGEND:**
- PRIMARY HOLE
  - SECONDARY HOLE

**A1** GROUTING PLAN DETAIL  
HORIZ SCALE: 1" = 20'



**KEY MAP**



Plot Date: 3/11/2024 4:38 PM File: C:\pwworking\hdr\_sites\_reservoir\dms01365\STS-1110-C-1201.dwg Saved By: KRISTINE PALMISANO

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED PROFESSIONAL ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA

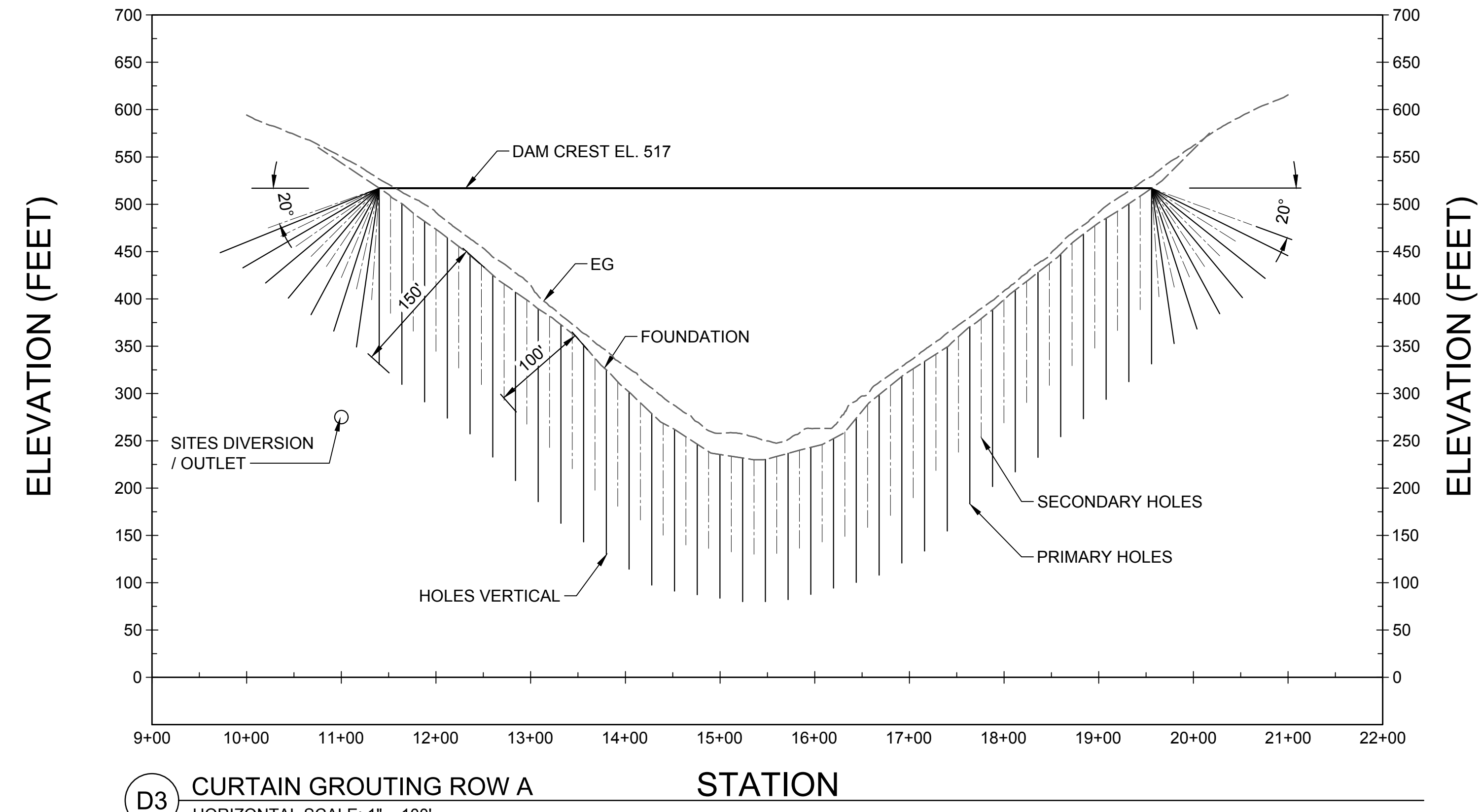


**SITES RESERVOIR**  
SITES DAM  
CIVIL  
FOUNDATION GROUTING  
PLAN

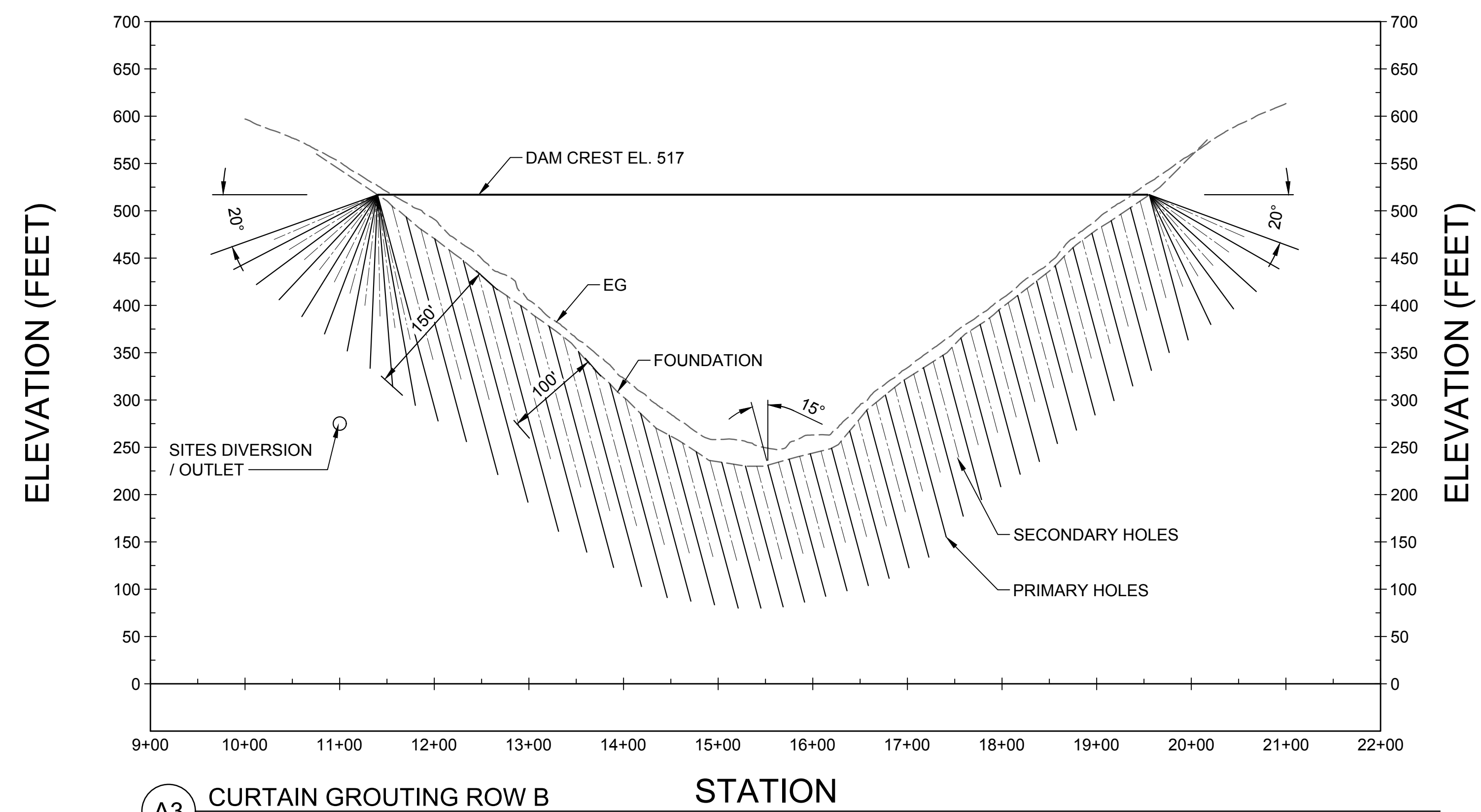
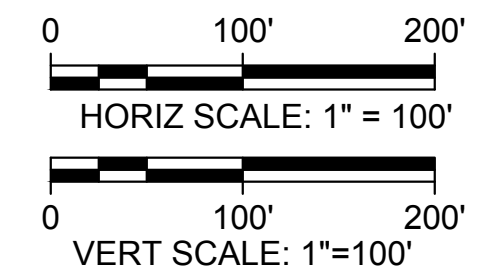
VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
0 1"
DRAWING NO.
STS-1110-C-1201
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

G  
F  
E  
D  
C  
B  
A



**D3** CURTAIN GROUTING ROW A  
 STS-1110-C-1201  
 HORIZONTAL SCALE: 1" = 100'  
 VERTICAL SCALE: 1" = 100'



**A3** CURTAIN GROUTING ROW B  
 STS-1110-C-1201  
 HORIZONTAL SCALE: 1" = 100'  
 VERTICAL SCALE: 1" = 100'

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

**GENERAL NOTES**

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

Plot Date: 3/20/2024 3:10 PM File: C:\pwworking\hdr\_sites\_reservoir\dms01365\STS-1110-C-1202.dwg  
 Saved By: KRISTINE PALMISANO

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED PROFESSIONAL ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA



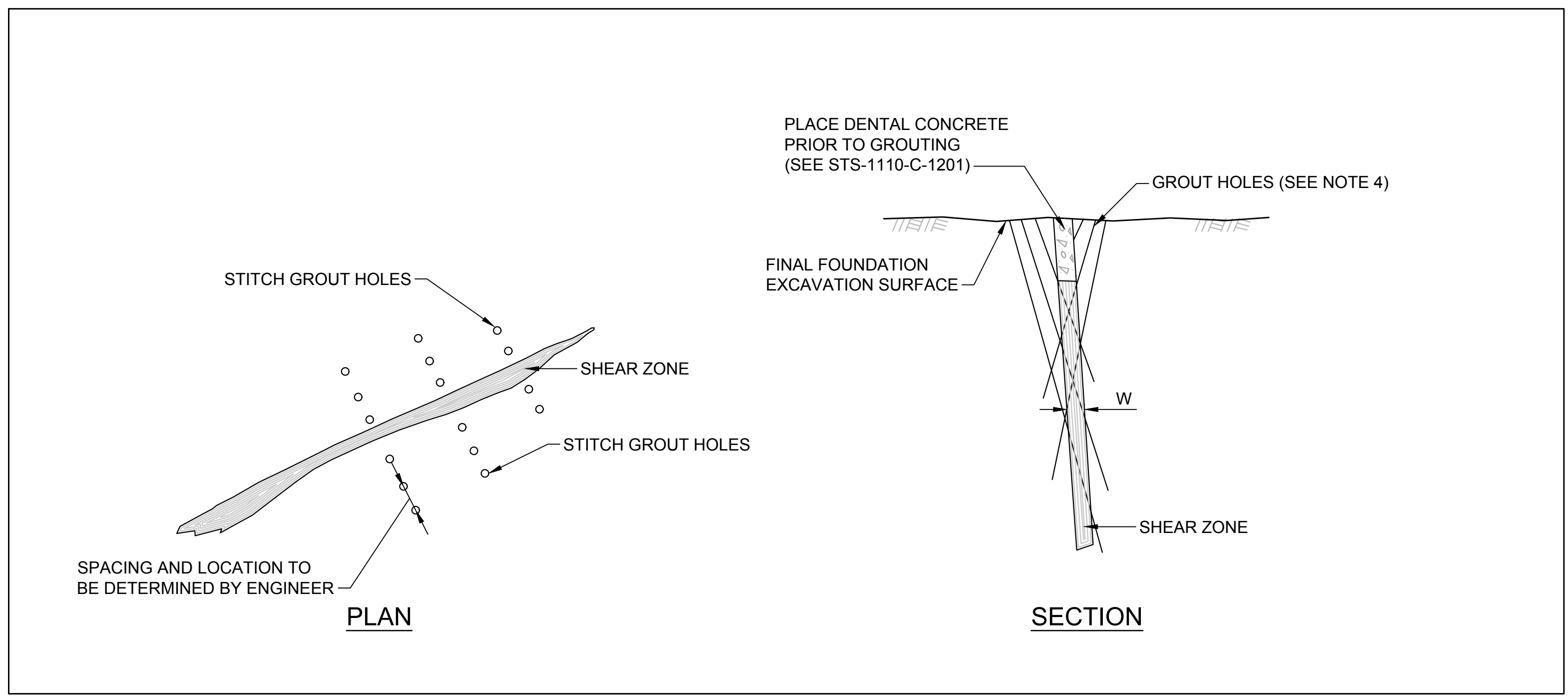
**SITES RESERVOIR**  
 SITES DAM  
 CIVIL  
 DAM FOUNDATION GROUTING  
 PROFILE

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
 0 1"  
 DRAWING NO.  
 STS-1110-C-1202  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

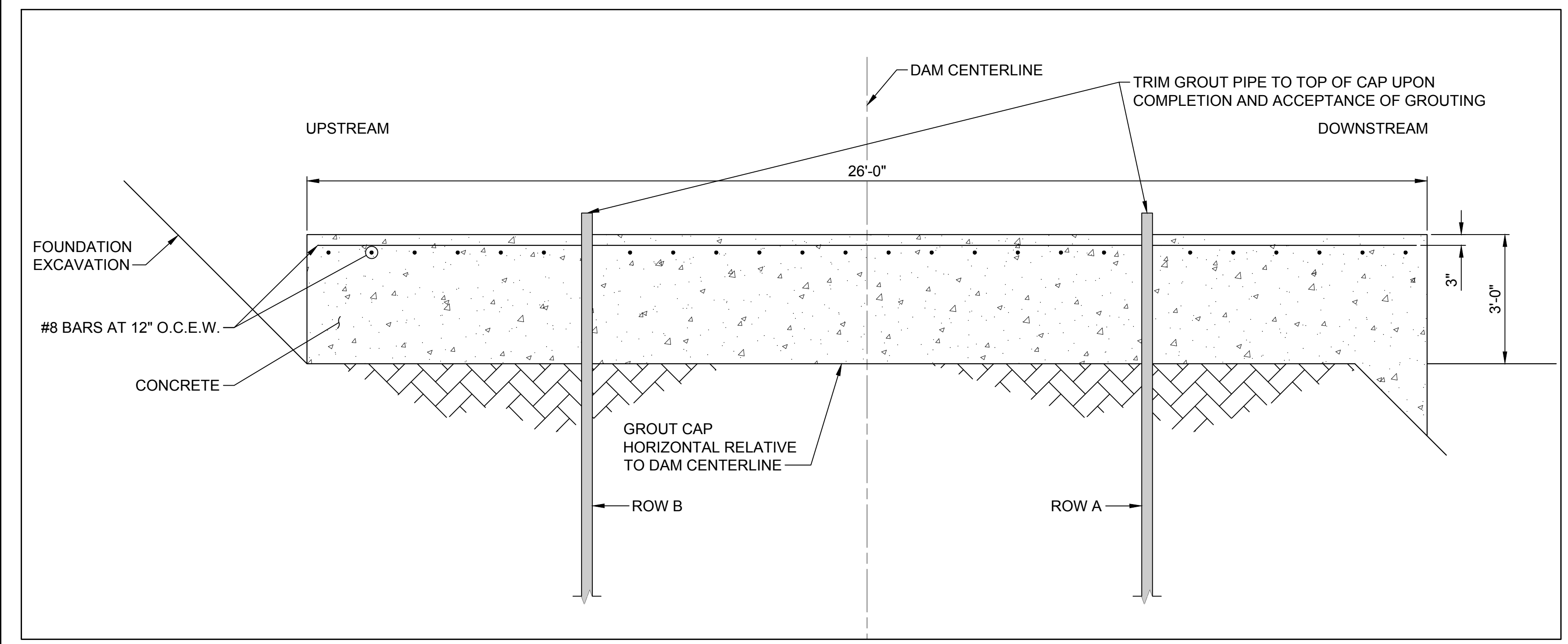
**GENERAL NOTES**

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



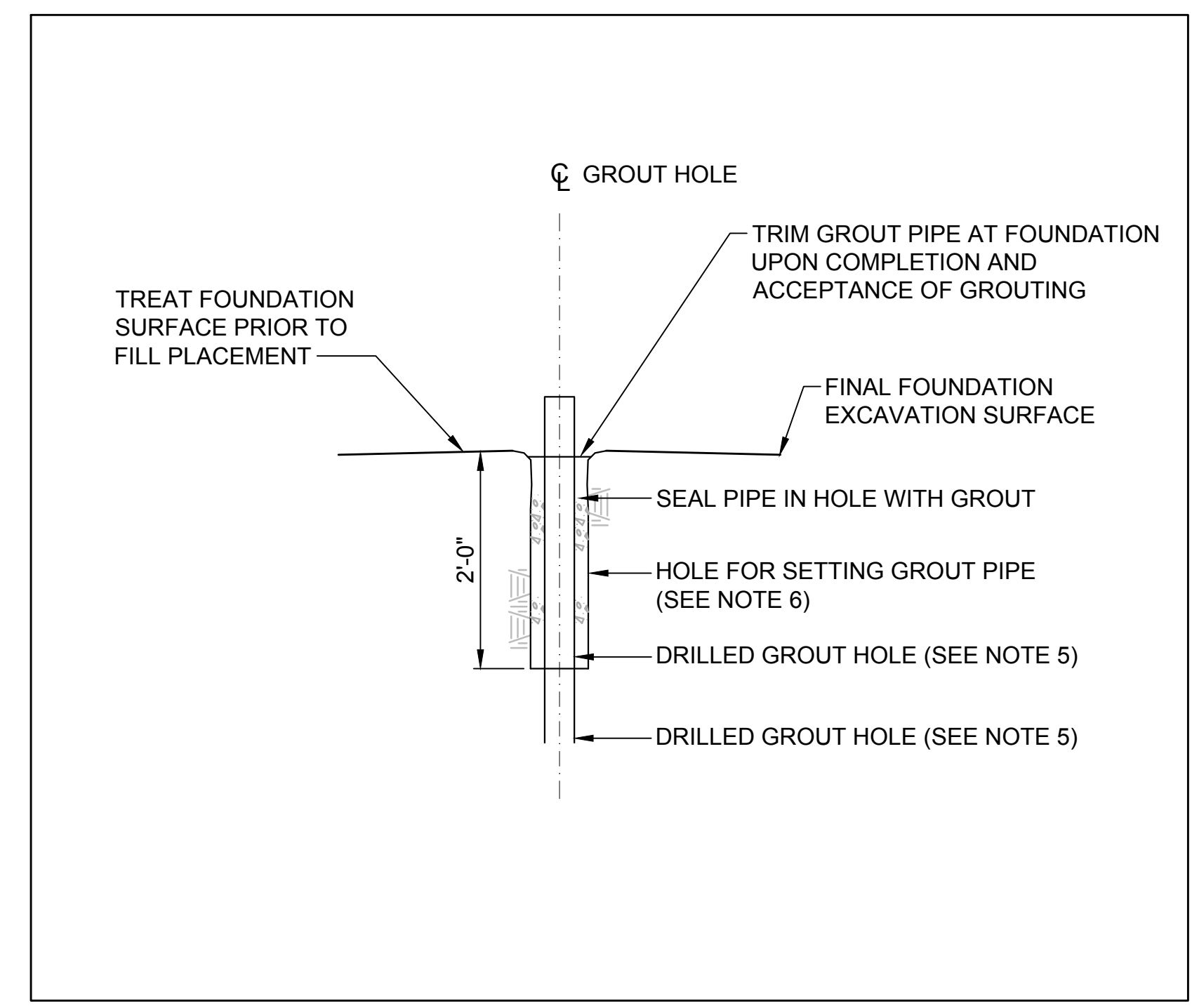
**D1** DETAIL - SHEAR ZONE STITCH GROUTING (SEE NOTE 7)  
SCALE: NOT TO SCALE

STS-1110-C-1201



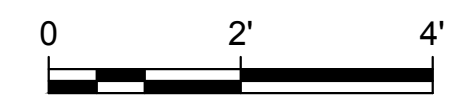
**A1** GROUT CAP DETAIL  
SCALE 1"=2'

STS-1110-C-1201



**A7** DETAIL - TYPICAL GROUT PIPE FOR STITCH GROUTING  
SCALE: NOT TO SCALE

STS-1110-C-1201



File: C:\pwworking\hdr\_sites\_reservoir\dms01365\STS-1110-C-1203.dwg  
Plot Date: 3/20/2024 3:36 PM  
Saved By: LECUSER

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED PROFESSIONAL ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA



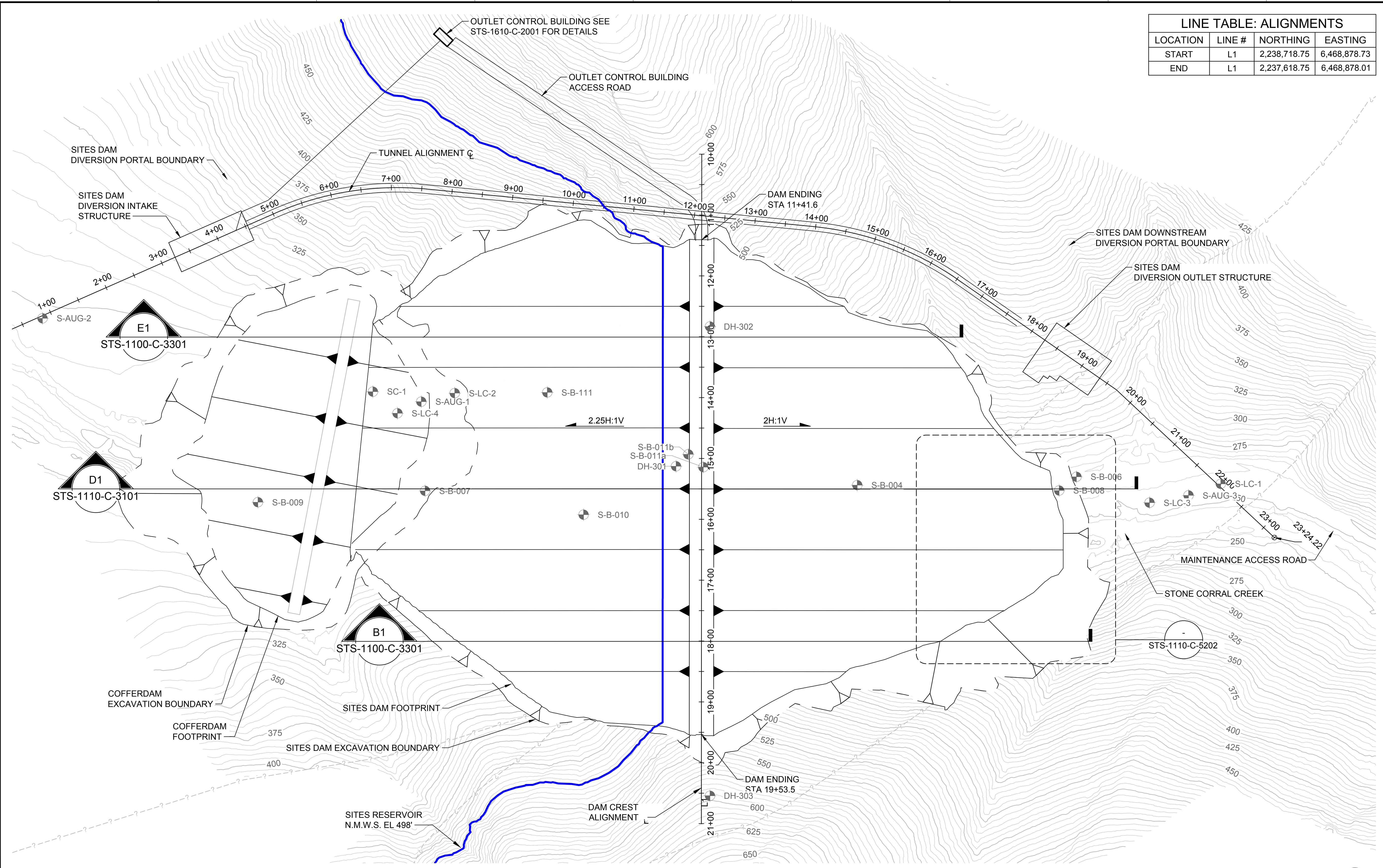
**SITES RESERVOIR**  
SITES DAM  
CIVIL  
DAM FOUNDATION GROUTING  
DETAILS

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
DRAWING NO.  
STS-1110-C-1203  
SHT OF

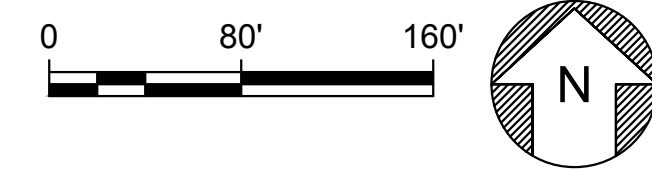
30% SUBMITTAL - NOT FOR CONSTRUCTION

LINE TABLE: ALIGNMENTS			
LOCATION	LINE #	NORTHING	EASTING
START	L1	2,238,718.75	6,468,878.73
END	L1	2,237,618.75	6,468,878.01

GENERAL NOTES



PLAN  
HORIZ SCALE: 1" = 80'



KEY MAP



Plot Date: 3/21/2024 11:19 AM File: C:\pwworking\hdr\_sites\_reservoir\dms01365\STS-1110-C-2001.dwg Saved By: LECLUSER

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED PROFESSIONAL ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA

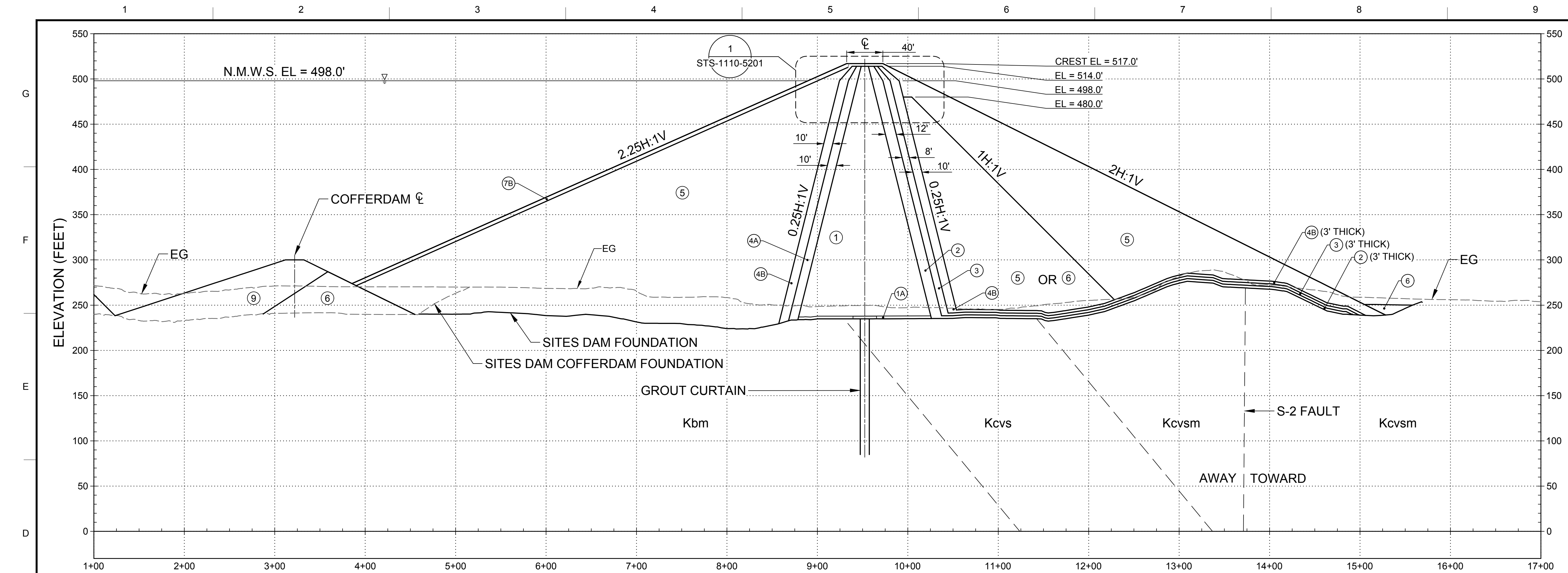


SITES RESERVOIR  
SITES DAM  
CIVIL  
EMBANKMENT  
PLAN

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
DRAWING NO.  
STS-1110-C-2001  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

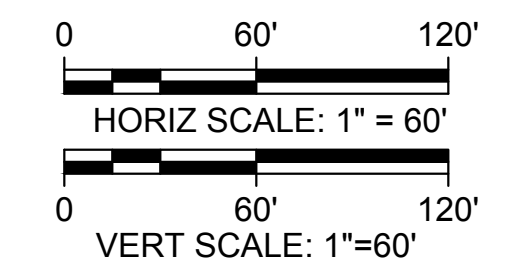




- GENERAL NOTES**
- FOR CURTAIN GROUT PROFILE, SEE DWG STS 1110-C-1202.
  - FOR ZONE DESCRIPTION TABLE AND SIEVE SIZES SEE STS-0001-G-0027

**D1 SECTION - STA 15+50**  
SCALE: 1" = 60'

STS-1110-C-2001



Plot Date: 4/1/2024 1:04 PM File: C:\pwworking\hdi\_sites\_reservoir\dms01365\STS-1110-C-3101.dwg Saved By: COLIN BLACKWOOD

REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY:  
D. HUGHES

DRAWN BY:  
R. L'ECLUSE

CHECKED BY:  
B. ALDRIDGE

IN CHARGE:  
M. SMITH

DATE:  
03/15/24



REGISTERED  
PROFESSIONAL  
ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA



**SITES RESERVOIR**

SITES DAM  
CIVIL  
EMBANKMENT  
MAXIMUM SECTION

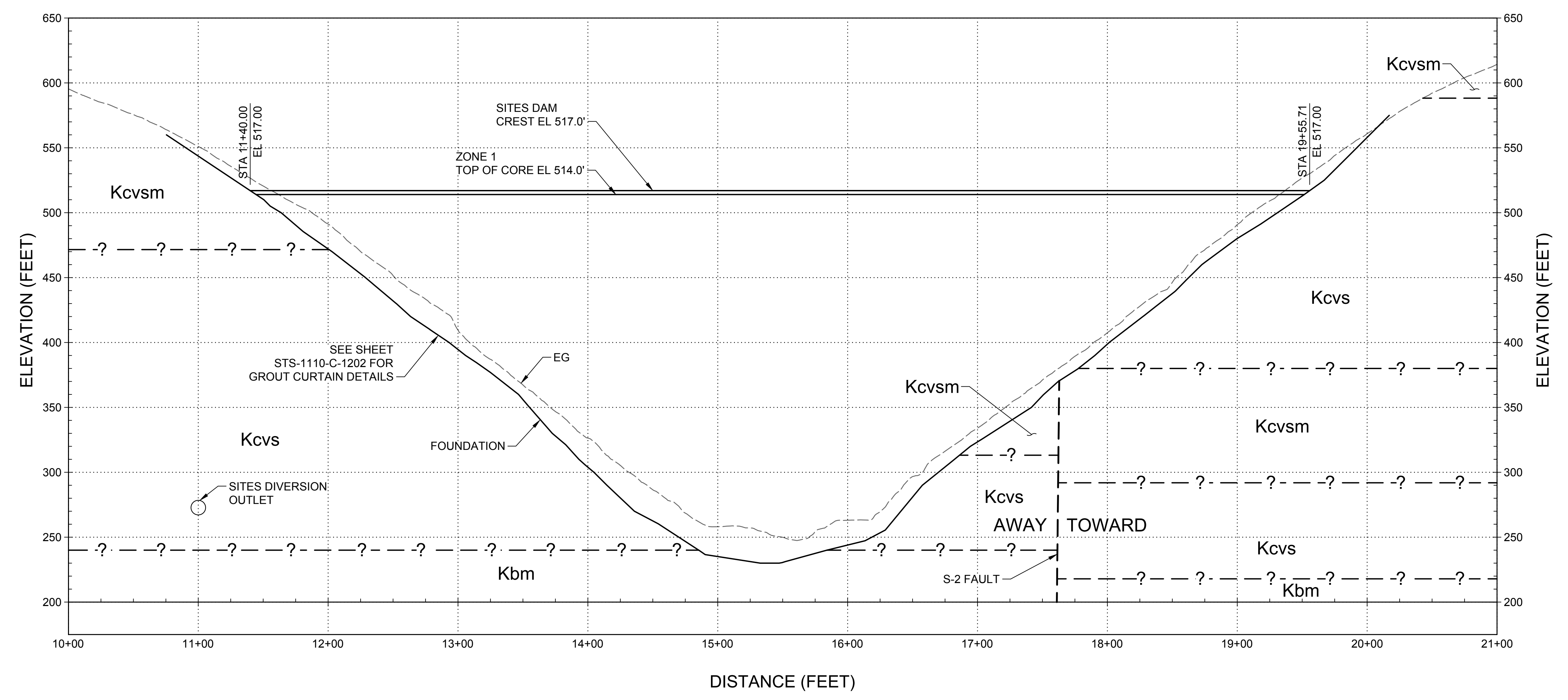
VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL  
DRAWING. ADJUST SCALES FOR  
REDUCED PLOTS

0 60 120  
1"

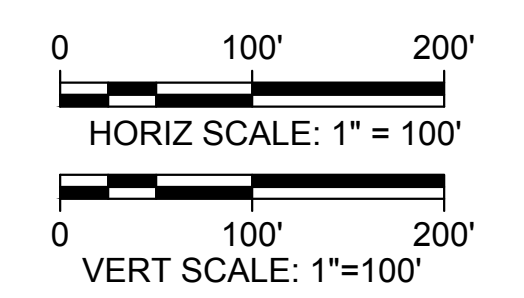
DRAWING NO.  
STS-1110-C-3101  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES



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



Plot Date: 3/20/2024 3:30 PM  
 Saved By: LECCLUSER  
 File: C:\pwworking\hdr\_sites\_reservoir\dms01365\STS-1110-C-3201.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA



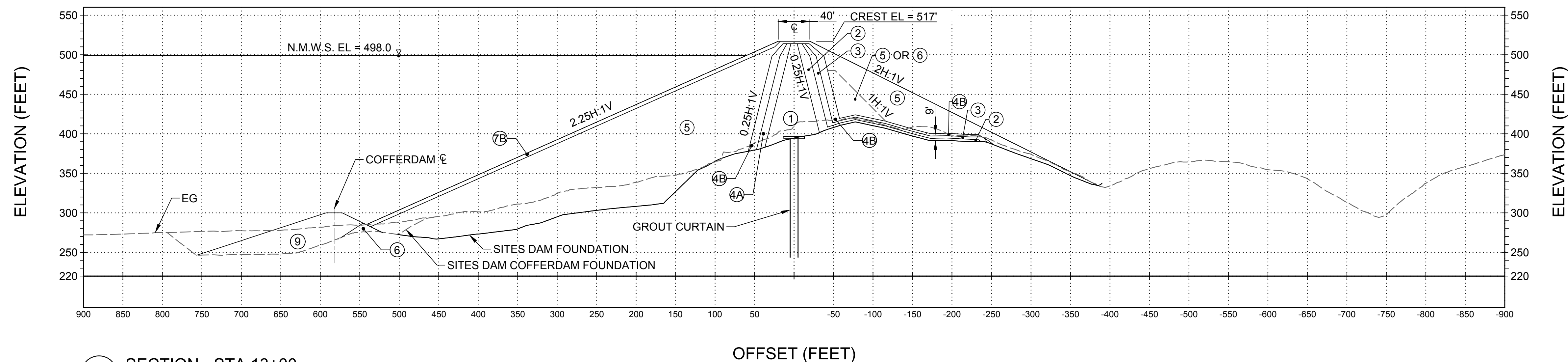
**SITES RESERVOIR**  
 SITES DAM  
 CIVIL  
 EMBANKMENT  
 PROFILE

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
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 DRAWING NO.  
 STS-1110-C-3201  
 SHT 1 OF 2

30% SUBMITTAL - NOT FOR CONSTRUCTION

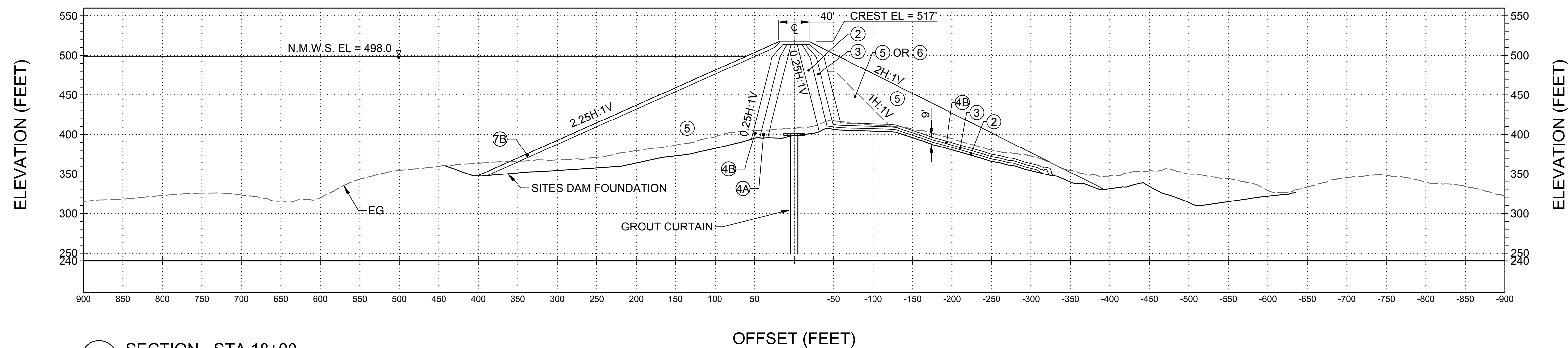
GENERAL NOTES

1. FOR ZONE THICKNESS SEE SHEET STS-1110-3101.
2. FOR ZONE DESCRIPTION TABLE AND SIEVE SIZES SEE STS-0001-G-0027.



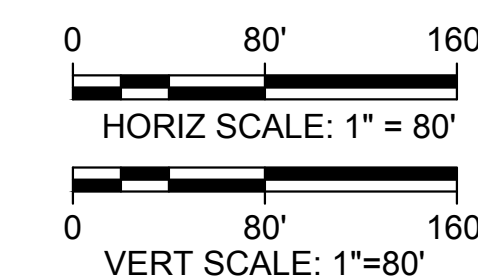
**E1** SECTION - STA 13+00  
1"=80'

STS-1110-C-1101



**B1** SECTION - STA 18+00  
1"=80'

STS-1110-C-1101



Plot Date: 3/12/2024 11:56 AM File: C:\pwworking\hdr\_sites\_reservoir\dmso1365\STS-1110-C-3301.dwg Saved By: LECLUSER

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED PROFESSIONAL ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA



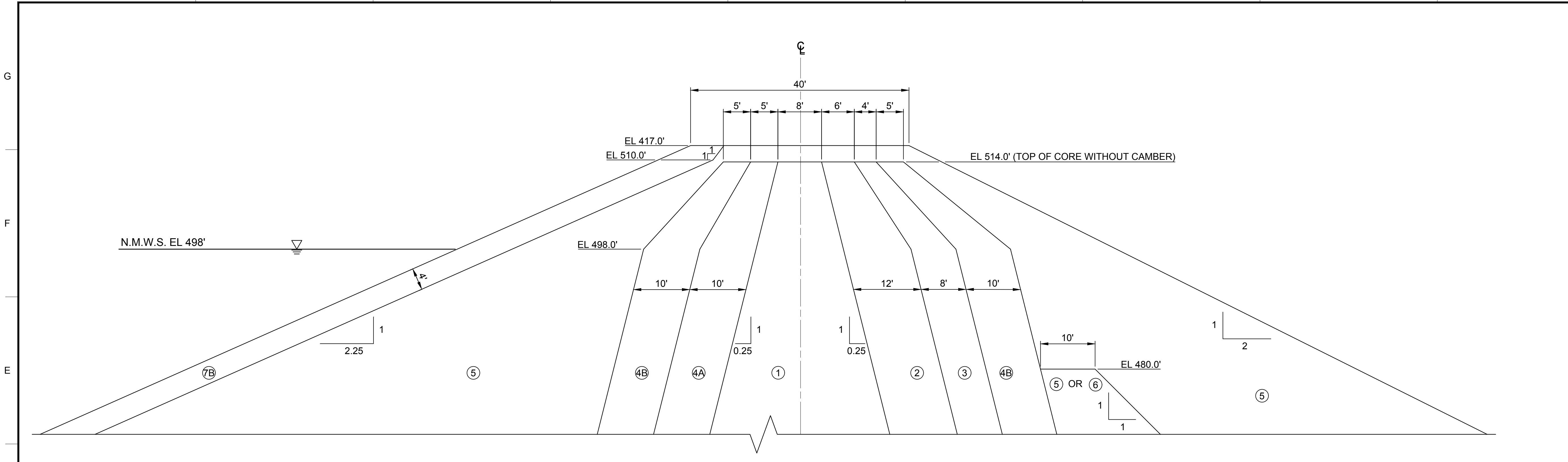
SITES RESERVOIR  
SITES DAM  
CIVIL EMBANKMENT SECTIONS

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
DRAWING NO.  
STS-1110-C-3301  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

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



**1 CREST DETAIL**  
SCALE: NOT TO SCALE  
STS-1110-C-3101

Plot Date: 3/12/2024 1:02 PM  
Saved By: TYLORP  
File: C:\pwworking\hdr\_sites\_reservoir\dms01365\STS-1110-C-5201.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



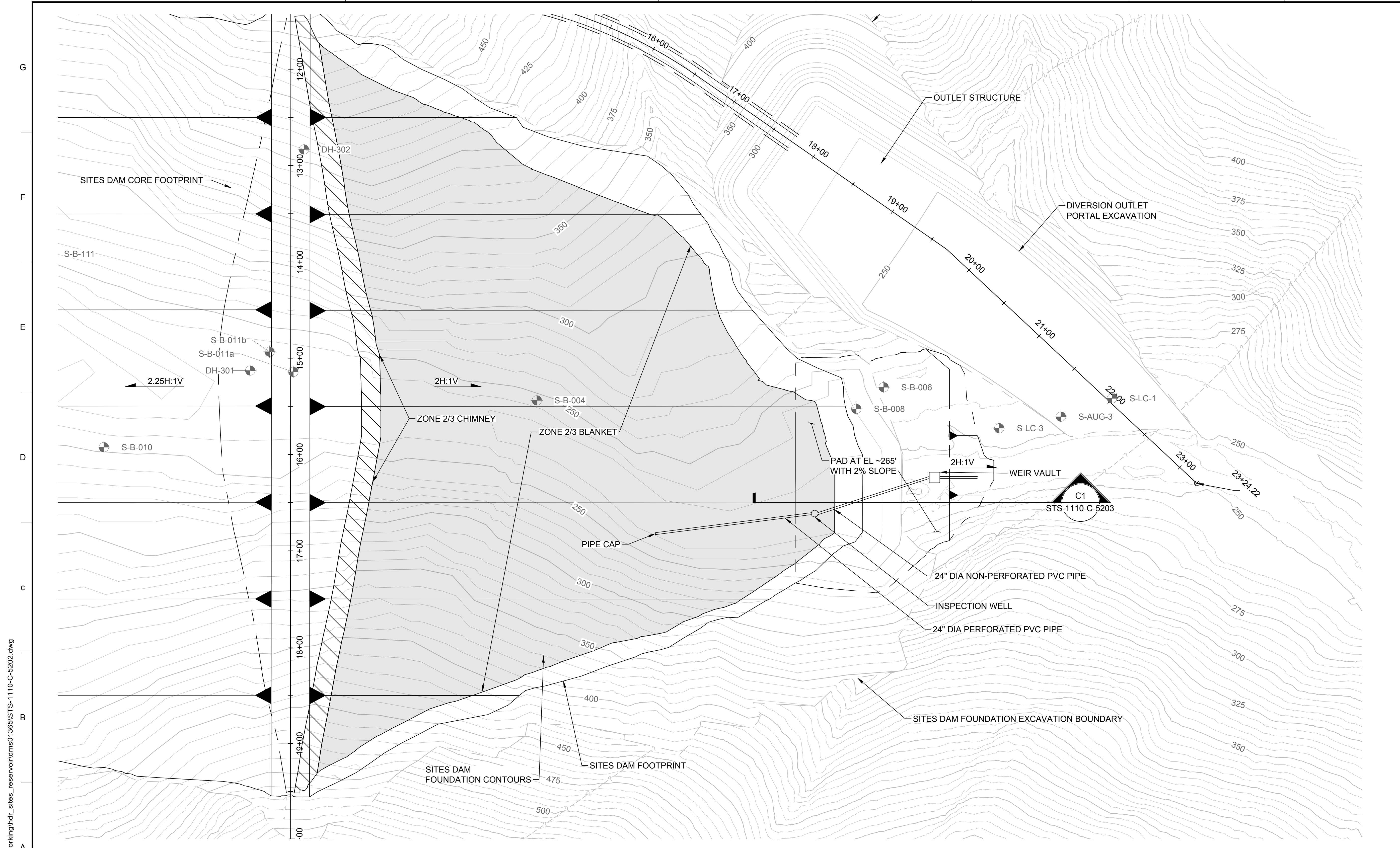
REGISTERED  
PROFESSIONAL  
ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA



**SITES RESERVOIR**  
SITES DAM  
CIVIL  
EMBANKMENT  
CREST DETAIL (WITHOUT CAMBER)

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL  
DRAWING. ADJUST SCALES FOR  
REDUCED PLOTS  
0 1"  
DRAWING NO.  
STS-1110-C-5201  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

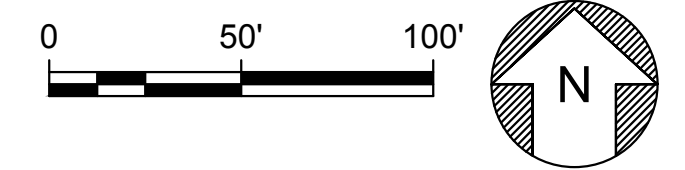


**GENERAL NOTES**

- GRADING SHOWN FOR THE PAD AT EL 265.0' IS APPROXIMATE AND WILL BE DESIGNED AT SUBSEQUENT DESIGN STAGES.

**KEY MAP** 

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



Plot Date: 3/22/2024 3:57 PM  
 Saved By: LECLUSER  
 File: C:\pwworking\hdr\_sites\_reservoir\hdms01365\STS-1110-C-5202.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

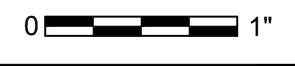
DESIGNED BY: M. SMITH  
 DRAWN BY: R. L'ECLUSE  
 CHECKED BY: B. ALDRIDGE  
 IN CHARGE: M. SMITH  
 DATE: 03/15/24



REGISTERED PROFESSIONAL ENGINEER  
 M. SMITH  
 C 42978  
 CALIFORNIA

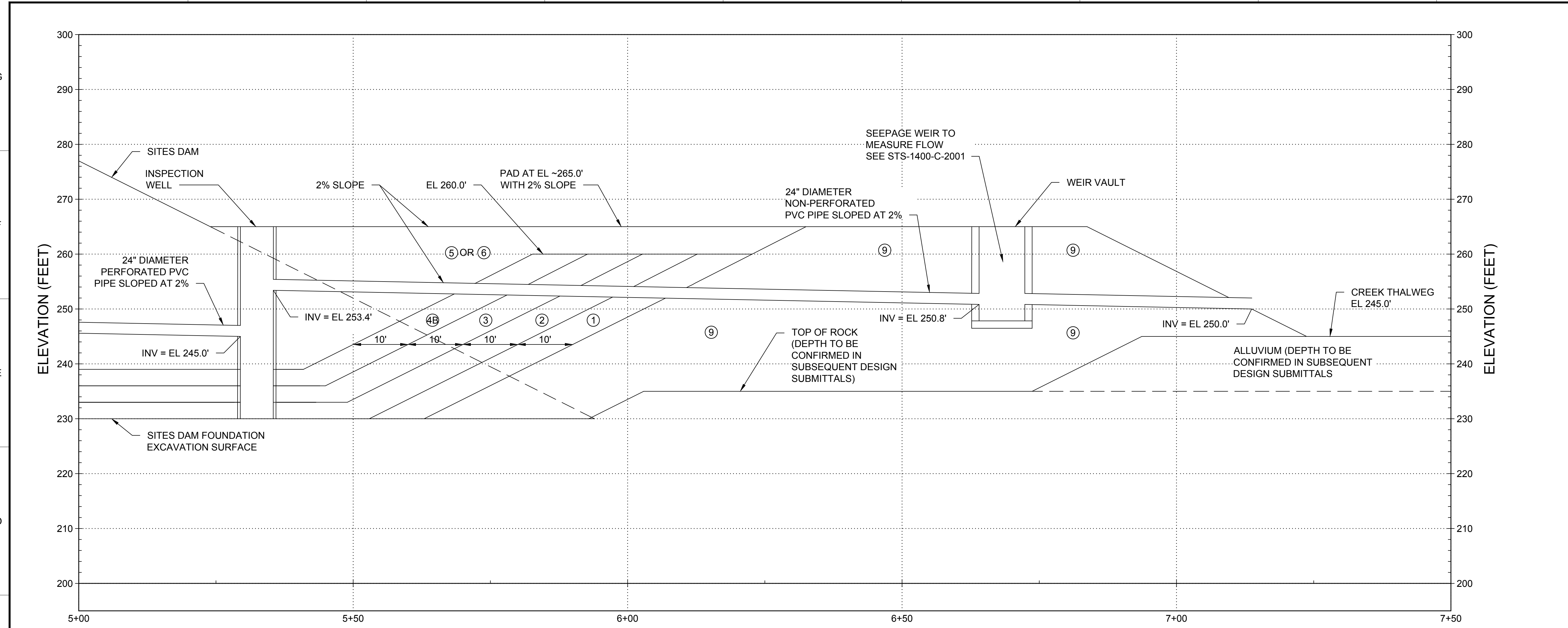


**SITES RESERVOIR**  
 SITES DAM  
 CIVIL  
 DRAINAGE BLANKET  
 DETAILED PLAN

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
 1"  
 DRAWING NO. STS-1110-C-5202  
 SHEET OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

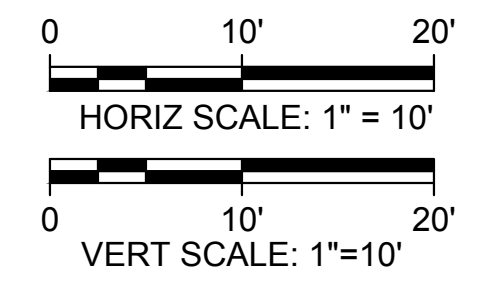
Plot Date: 3/22/2024 11:47 AM File: C:\pwworking\hdr\_sites\_reservoir\dms01365\STS-1110-C-5203.dwg Saved By: COLIN BLACKWOOD



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

**C1 DRAINAGE BLANKET SECTION DETAIL**  
HORIZONTAL SCALE: 1" = 10'

STS-1110-C-5202



REV	DATE	BY	CHK	APPR	DESCRIPTION

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

REGISTERED  
PROFESSIONAL  
ENGINEER  
M. SMITH  
C 42978  
CALIFORNIA

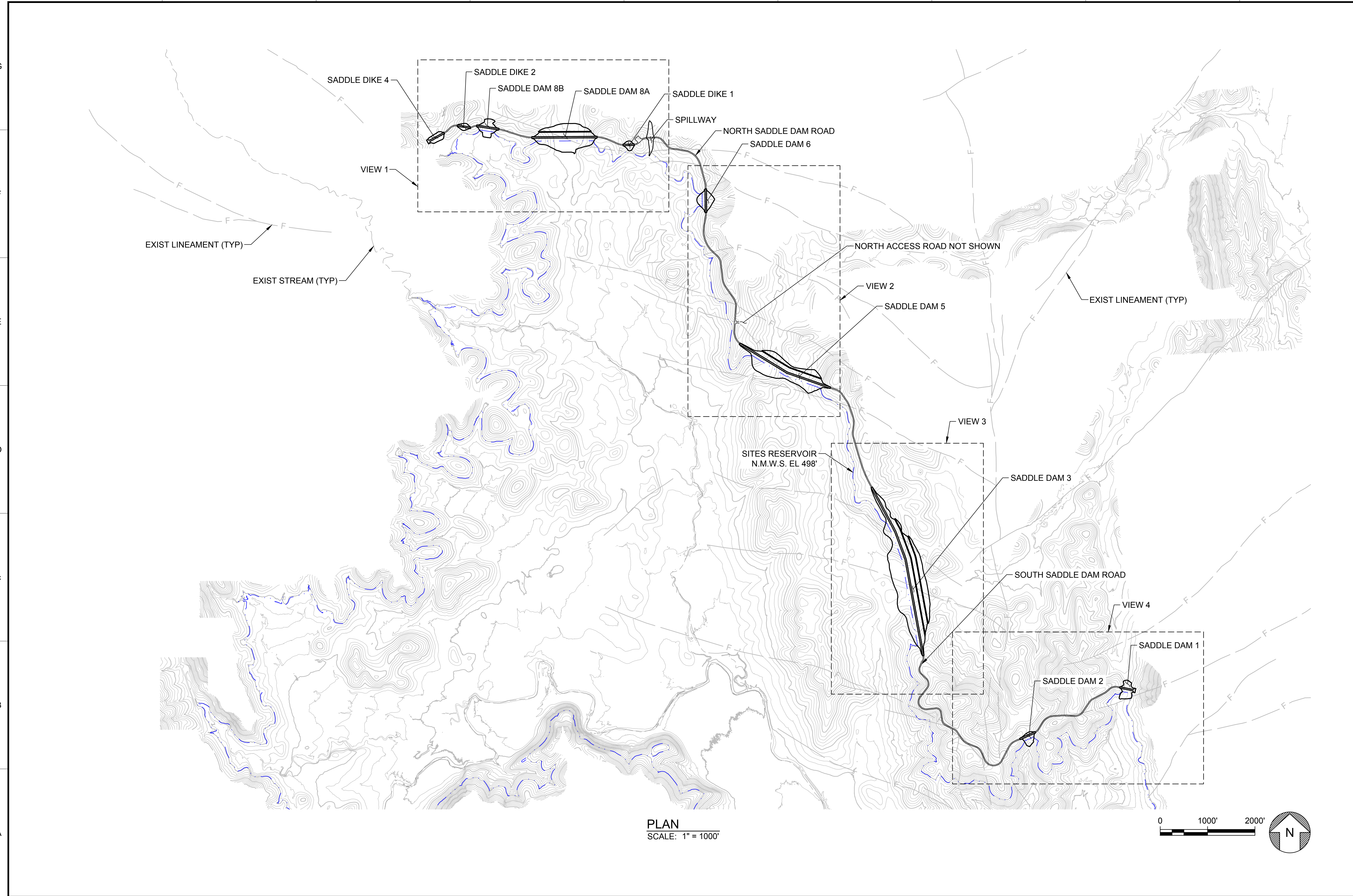


**SITES RESERVOIR**  
SITES DAM  
CIVIL  
EMBANKMENT  
DRAINAGE BLANKET DETAILS

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
DRAWING NO. STS-1110-C-5203
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

Plot Date: 3/22/2024 9:26 AM  
 Saved By: EDUCER2384  
 File: c:\pwworking\hdr\_sites\_reservoir\dms02926\STS-1200-C-2001.dwg



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

**GENERAL NOTES**

GENERAL NOTES

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
E. CERNA ALVAREZ

DRAWN BY:  
E. CERNA ALVAREZ

CHECKED BY:  
A. PUJOL

IN CHARGE:  
M. SMITH

DATE:  
03/15/24



REGISTERED PROFESSIONAL ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



**SITES RESERVOIR**  
**SADDLE DAMS AND DIKES**  
 CIVIL  
 KEY MAP  
 PLAN

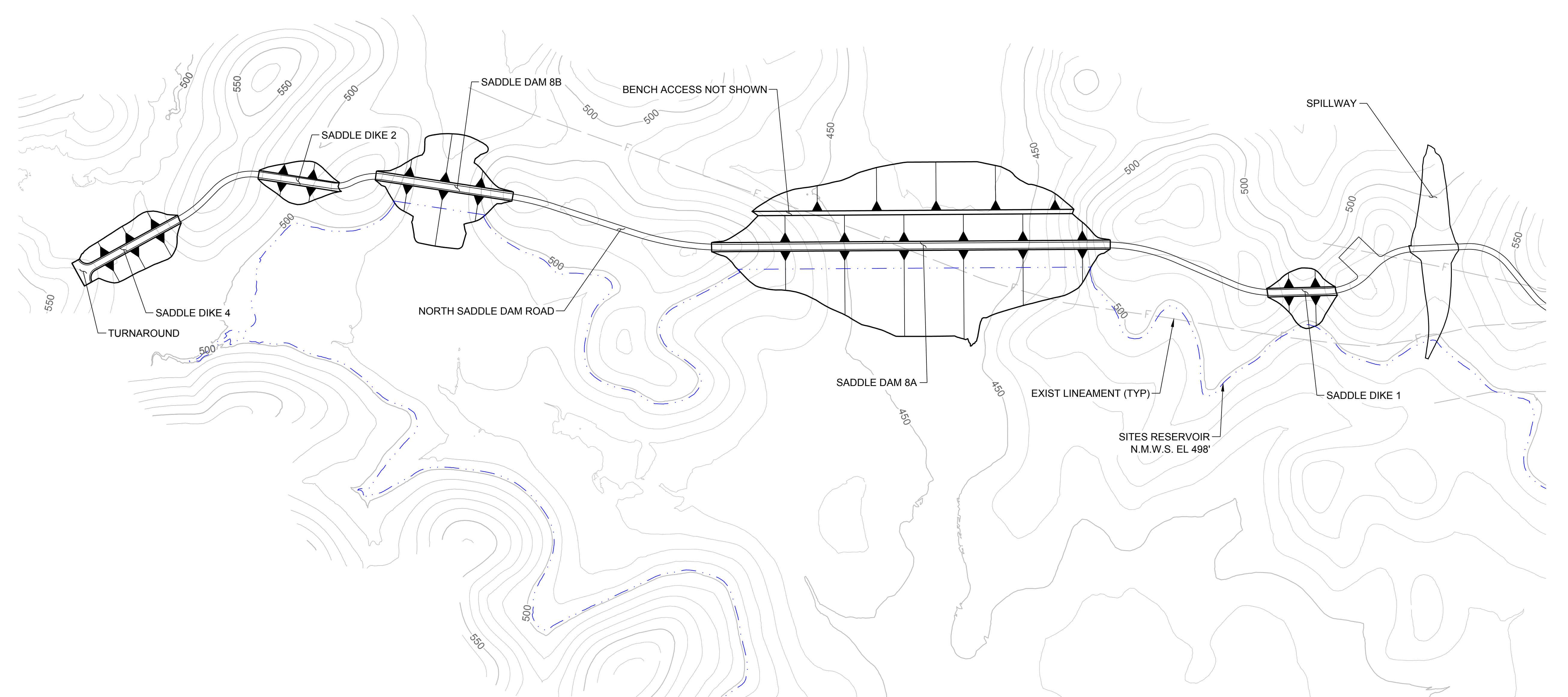
VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

0 1" 1000' 2000'

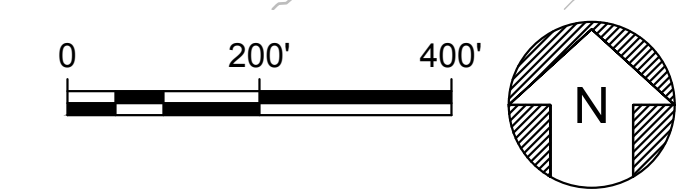
DRAWING NO.  
 STS-1200-C-2001  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES



PLAN  
SCALE: 1" = 200'



Plot Date: 3/22/2024 9:27 AM  
Saved By: EDUCER2384  
File: c:\pwworking\hdr\_sites\_reservoir\tdms02926\STS-1200-C-2002.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
E. CERNA ALVAREZ

DRAWN BY:  
E. CERNA ALVAREZ

CHECKED BY:  
A. PUJOL

IN CHARGE:  
M. SMITH

DATE:  
03/15/24



REGISTERED  
PROFESSIONAL  
ENGINEER  
A. PUJOL  
C 37051  
CALIFORNIA



SITES RESERVOIR  
SADDLE DAMS AND DIKES  
CIVIL  
VIEW 1  
PLAN

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

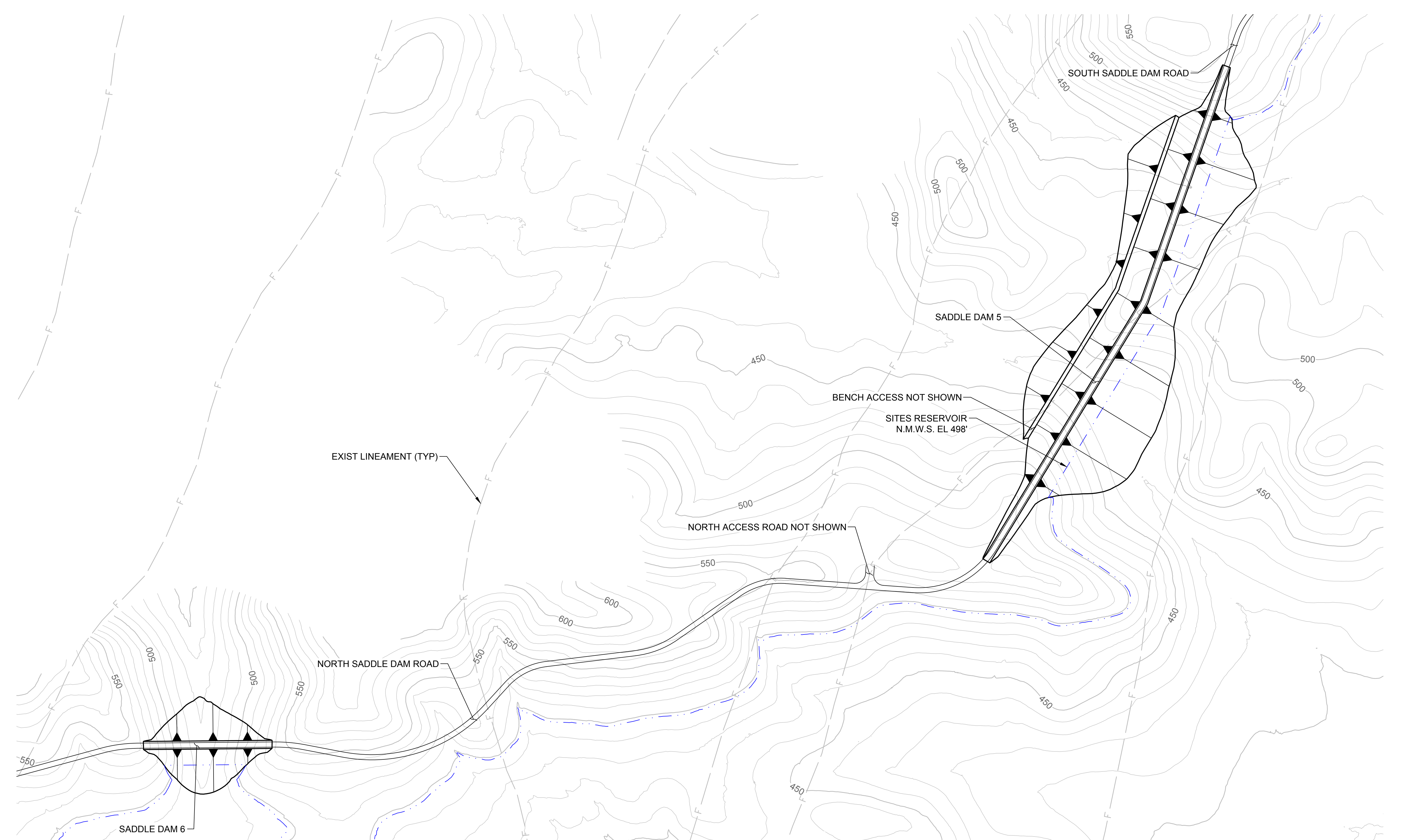
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DRAWING NO.  
STS-1200-C-2002  
SHT OF

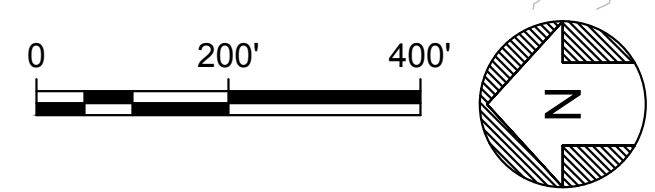
30% SUBMITTAL - NOT FOR CONSTRUCTION



GENERAL NOTES



PLAN  
SCALE: 1" = 200'



Plot Date: 3/22/2024 9:27 AM  
 Saved By: EDUCER2384  
 File: c:\pwworking\hdr\_sites\_reservoir\dms02926\STS-1200-C-2003.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



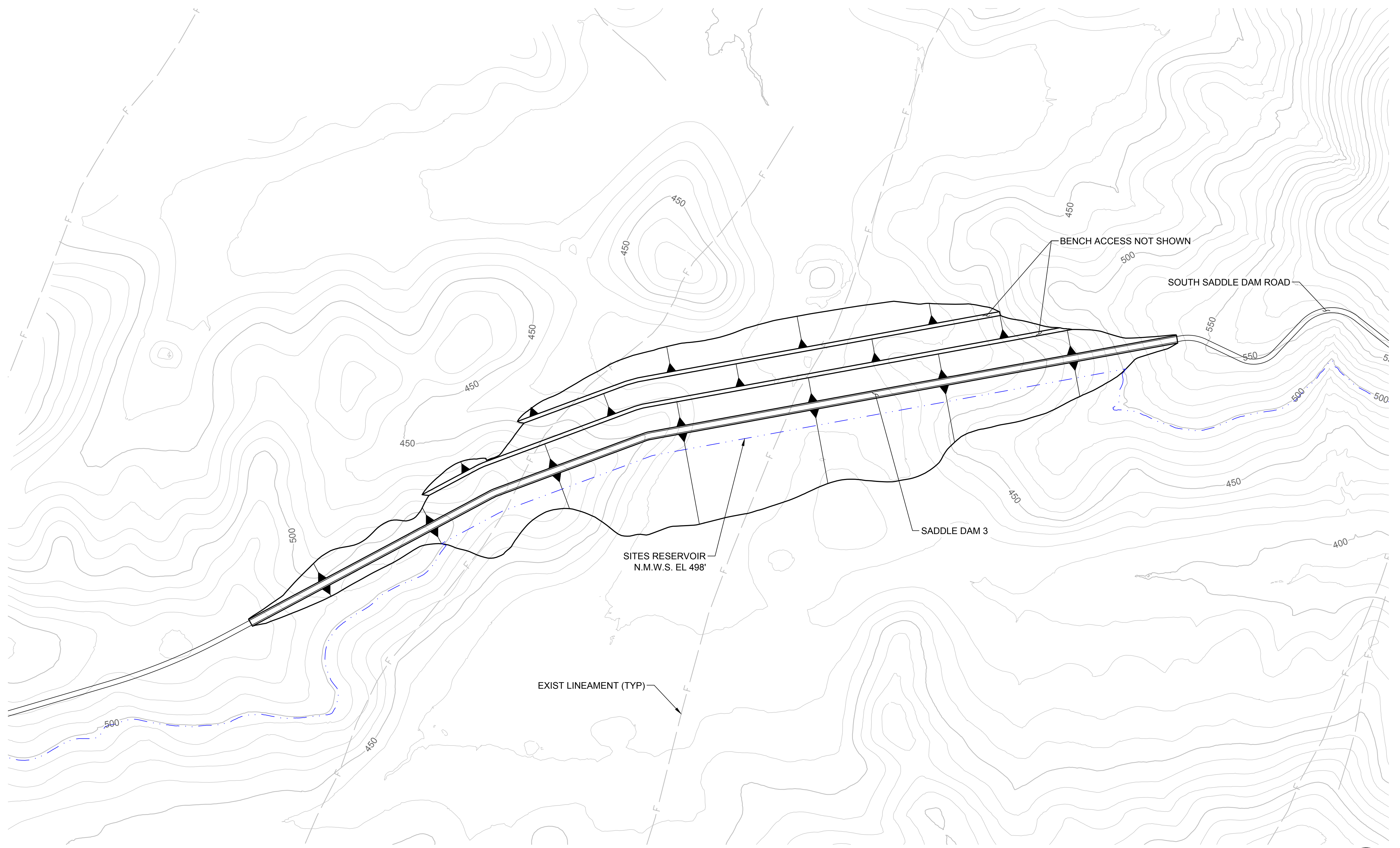
REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



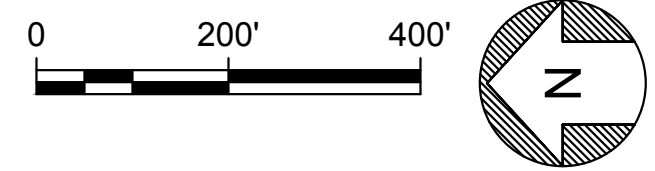
**SITES RESERVOIR**  
 SADDLE DAMS AND DIKES  
 CIVIL  
 VIEW 2  
 PLAN

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWINGS. ADJUST SCALES FOR  
 REDUCED PLOTS  
 0 200' 400'  
 1"  
 DRAWING NO.  
 STS-1200-C-2003  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



PLAN  
SCALE: 1" = 200'



Plot Date: 3/22/2024 9:28 AM  
 Saved By: EDUCER2384  
 File: c:\pwworking\hdr\_sites\_reservoir\dms02926\STS-1200-C-2004.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
E. CERNA ALVAREZ  
 DRAWN BY:  
E. CERNA ALVAREZ  
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 DATE:  
03/15/24



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PROFESSIONAL  
ENGINEER  
A. PUJOL  
C 37051  
CALIFORNIA

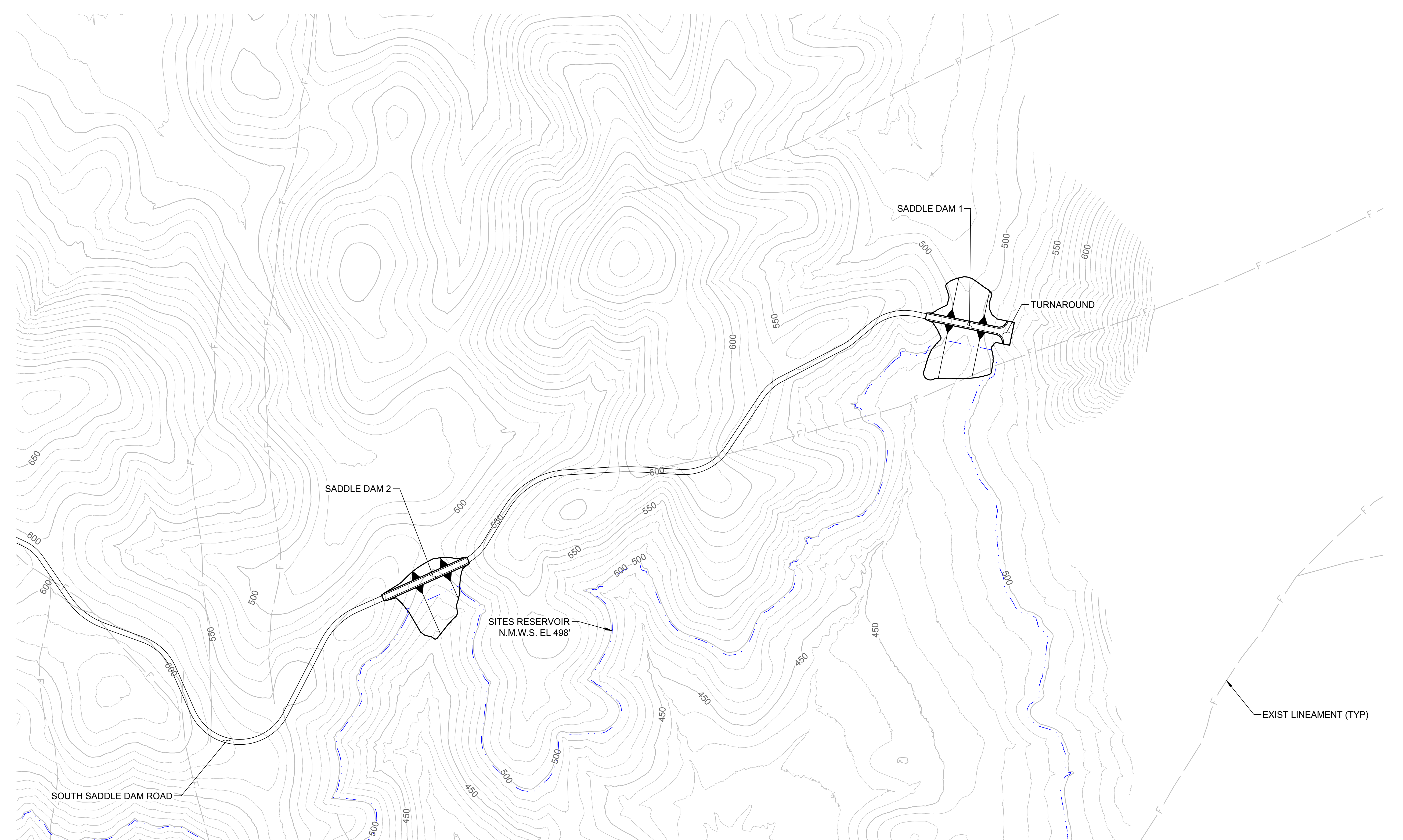


**SITES RESERVOIR**  
 SADDLE DAMS AND DIKES  
 CIVIL  
 VIEW 3  
 PLAN

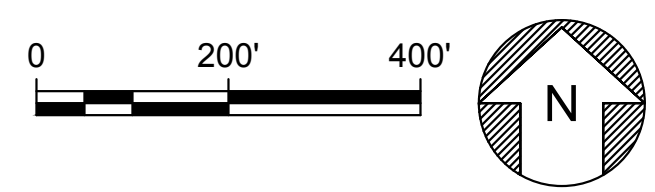
VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWINGS. ADJUST SCALES FOR  
 REDUCED PLOTS  
 0 200' 400'  
 1"  
 DRAWING NO.  
 STS-1200-C-2004  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES



PLAN  
SCALE: 1" = 200'



Plot Date: 3/22/2024 9:28 AM  
 Saved By: EDUCER2384  
 File: c:\pwworking\hdr\_sites\_reservoir\hdr\_sites\_reservoir\dms02926\STS-1200-C-2005.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



2868 Prospect Drive, Suite 400  
 Rancho Cordova CA 95670  
 TEL: 916.414.5800

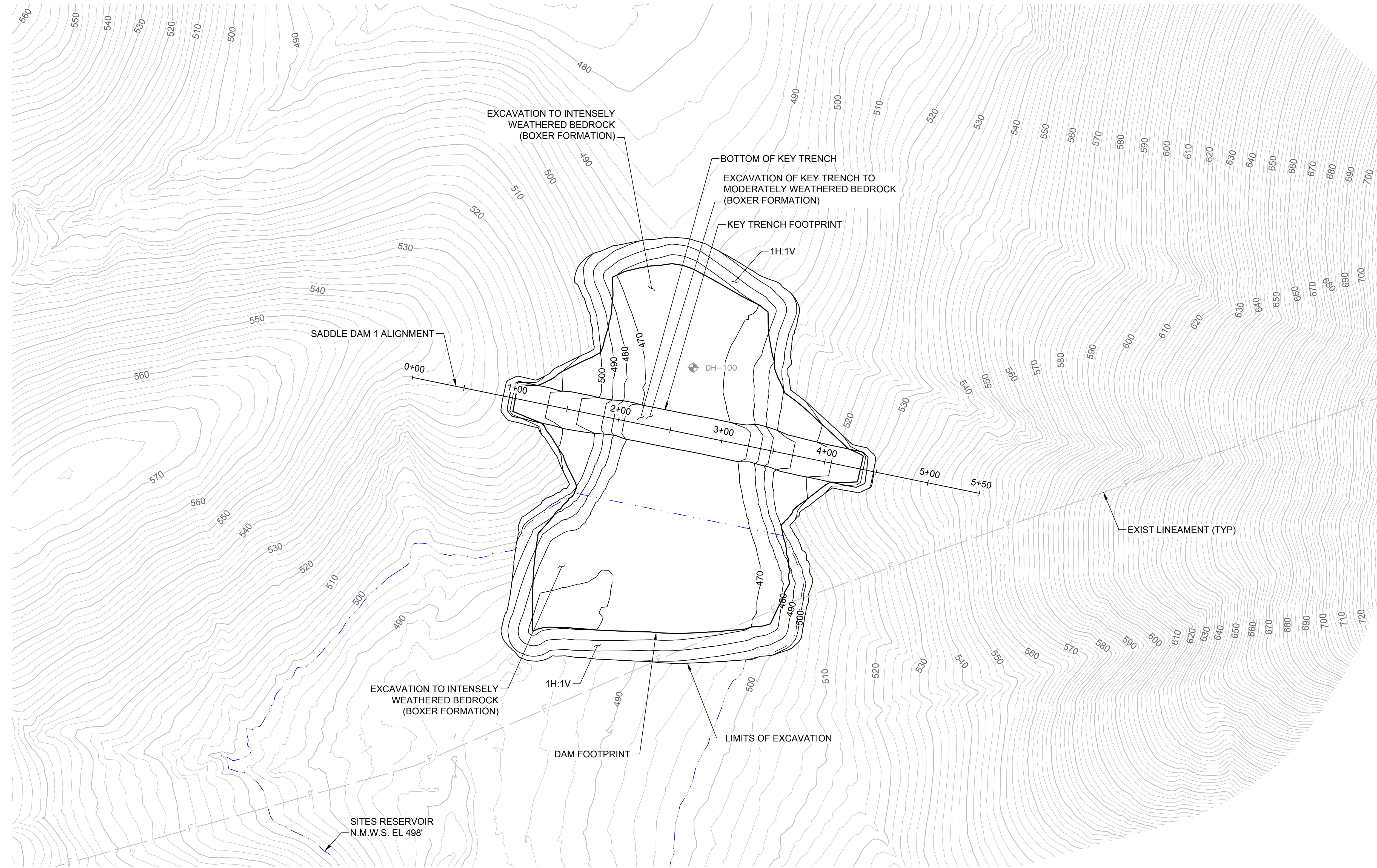
REGISTERED PROFESSIONAL ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



**SITES RESERVOIR**  
 SADDLE DAMS AND DIKES  
 CIVIL  
 VIEW 4  
 PLAN

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS  
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 DRAWING NO.  
 STS-1200-C-2005  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

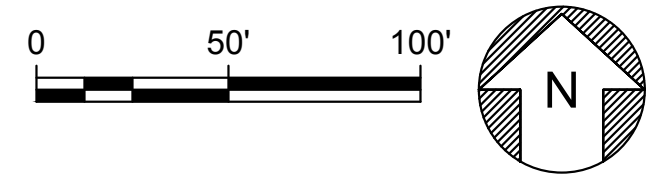


**GENERAL NOTES**

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

**LEGEND**  
 DH-103 EXIST BORING

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



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 Plot Date: 3/22/2024 9:29 AM  
 Saved By: EDUCER2384

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



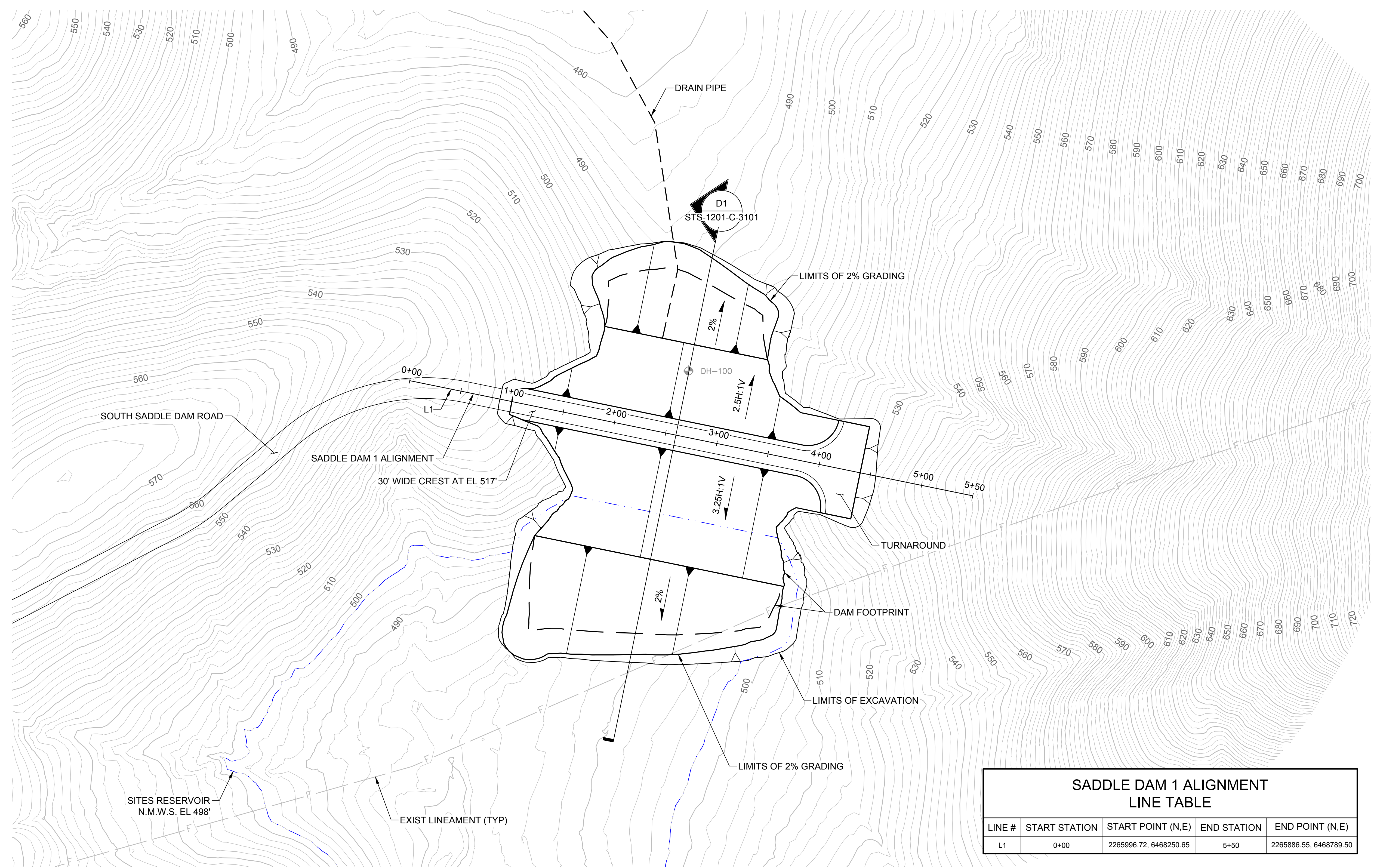
REGISTERED PROFESSIONAL ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



**SITES RESERVOIR**  
**SADDLE DAM 1**  
**CIVIL**  
**FOUNDATION EXCAVATION**  
**PLAN**

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
 0 50' 100'  
 1"  
 DRAWING NO.  
 STS-1201-C-1101  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

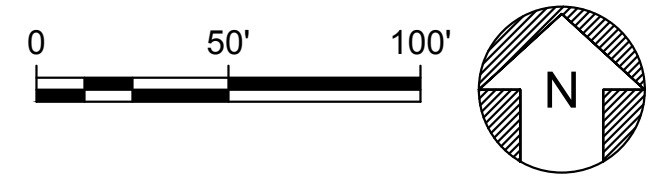


**SADDLE DAM 1 ALIGNMENT  
LINE TABLE**

LINE #	START STATION	START POINT (N,E)	END STATION	END POINT (N,E)
L1	0+00	2265996.72, 6468250.65	5+50	2265886.55, 6468789.50

**LEGEND**  
 DH-103 EXIST BORING

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



File: c:\pwworking\hdr\_sites\_reservoir\dms01325\STS-1201-C-2001.dwg  
 Plot Date: 3/22/2024 9:29 AM  
 Saved By: EDUCER2384

REV	DATE	BY	CHK.	APPR.	DESCRIPTION

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



REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



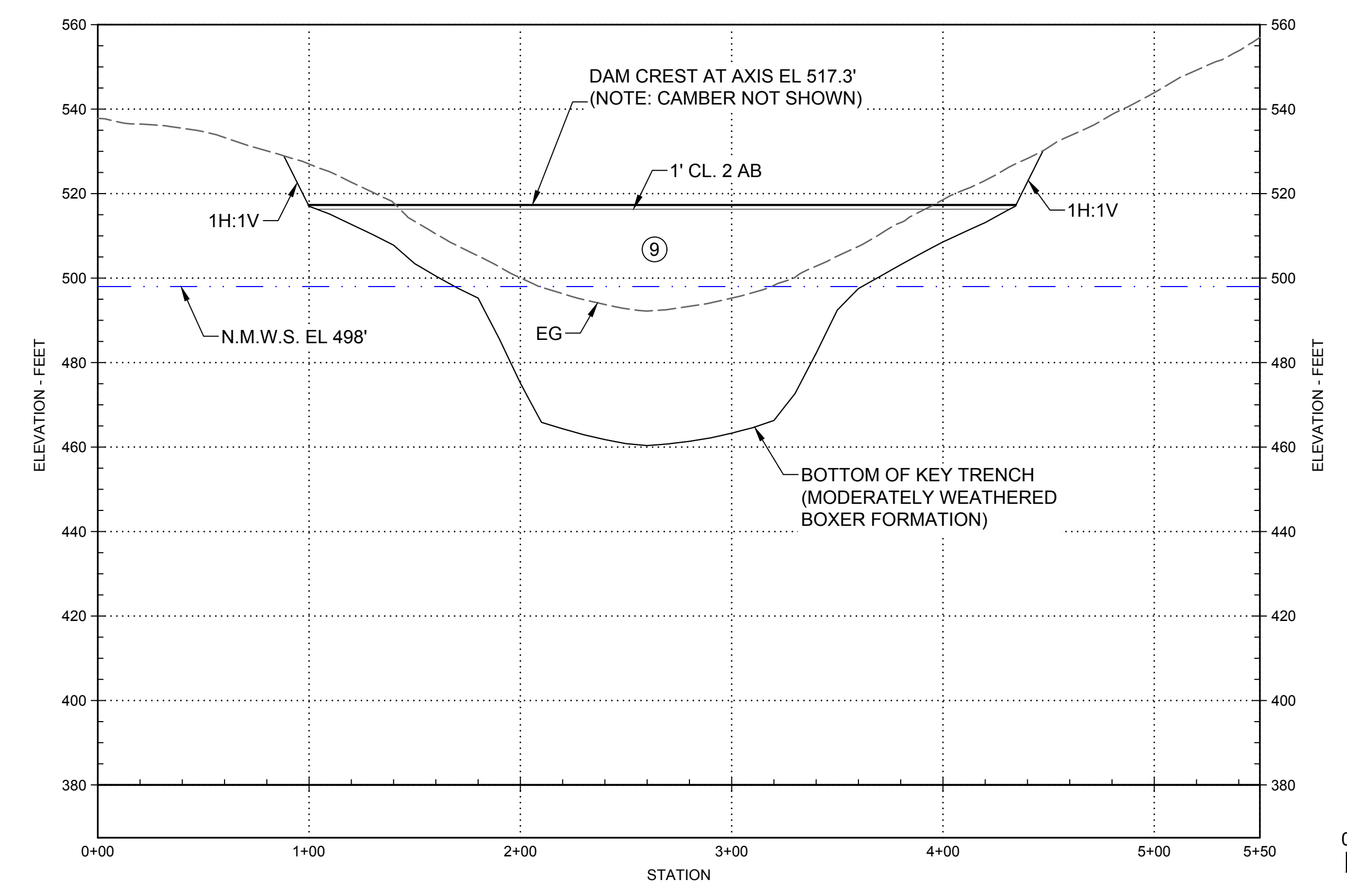
**SITES RESERVOIR**  
**SADDLE DAM 1**  
**CIVIL**  
**EMBANKMENT**  
**PLAN**

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
 0 50' 100'  
 1"  
**DRAWING NO.**  
 STS-1201-C-2001  
 SHT OF

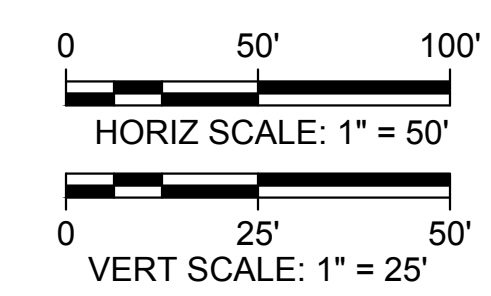
30% SUBMITTAL - NOT FOR CONSTRUCTION

**GENERAL NOTES**

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



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



Plot Date: 3/22/2024 9:29 AM  
 Saved By: EDUCER2384  
 File: c:\pwworking\hdr\_sites\_reservoir\dms01325\STS-1201-C-3001.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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




REGISTERED PROFESSIONAL ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA

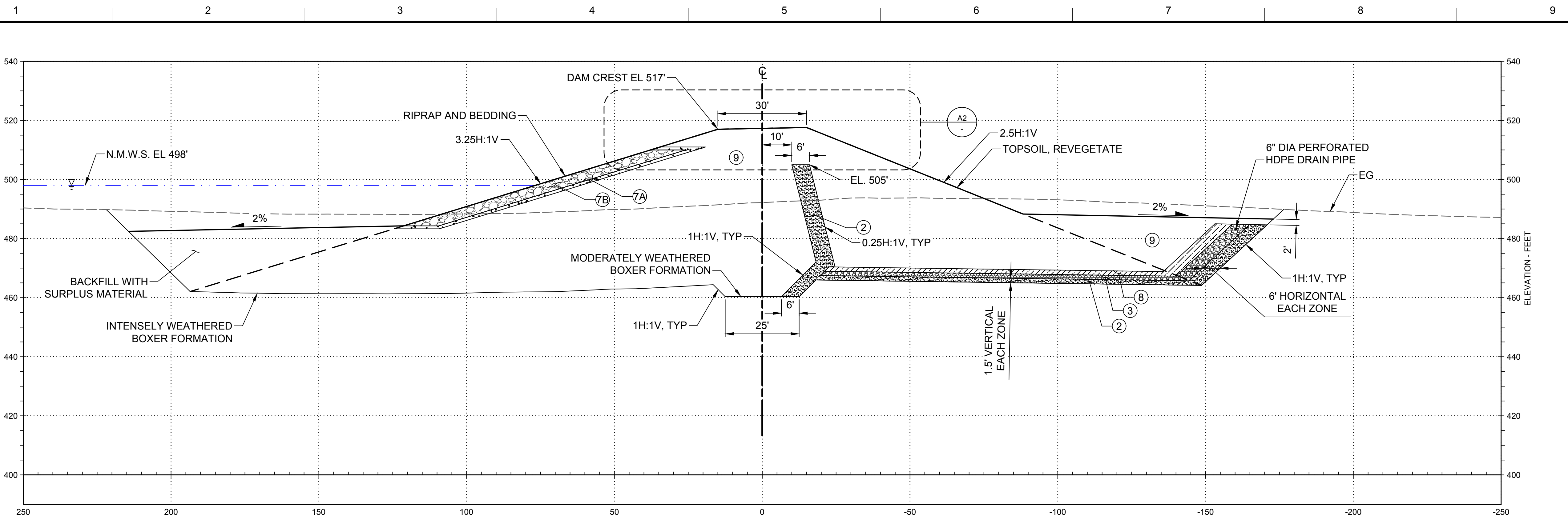


**SITES RESERVOIR**

SADDLE DAM 1  
 CIVIL  
 EMBANKMENT  
 PROFILE

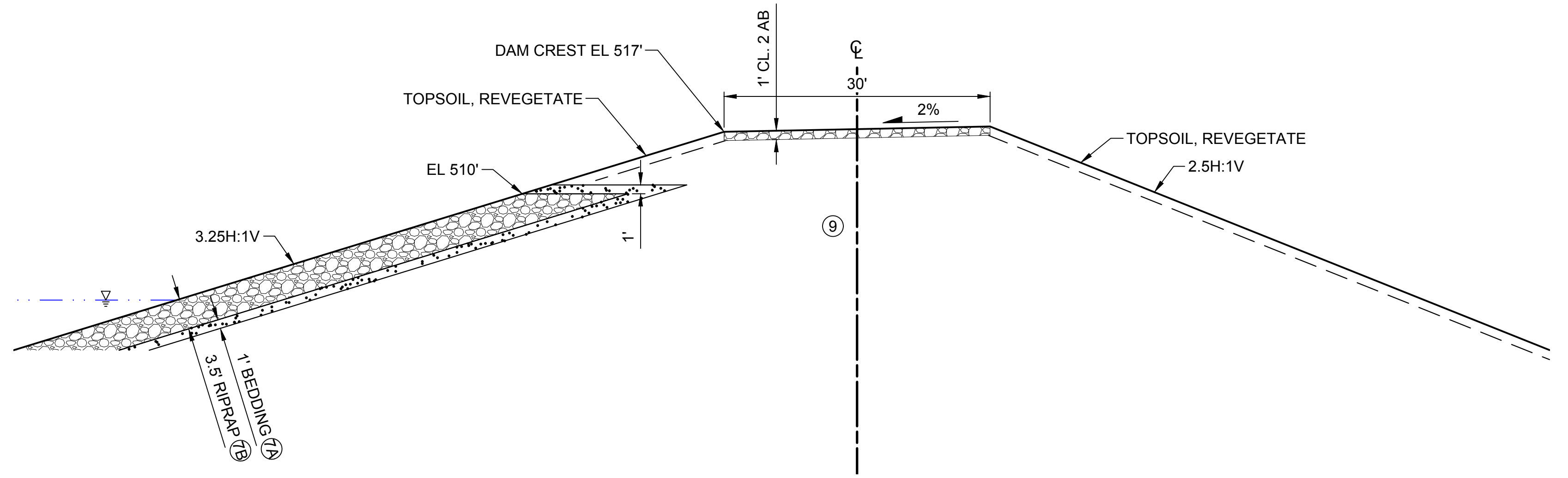
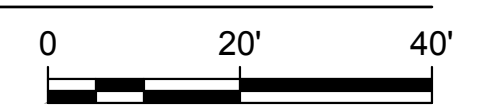
**VERIFY SCALES**  
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 1"  
 DRAWING NO. STS-1201-C-3001  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

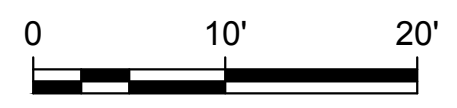


**D1 SECTION - 2+60**  
SCALE: 1" = 20'

STS-1201-C-2001



**A2 DETAIL - SADDLE DAM CREST**  
SCALE: 1" = 10' NOTE: CAMBER NOT SHOWN



**GENERAL NOTES**

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

Plot Date: 3/22/2024 9:29 AM  
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File: c:\pwworking\hdr\_sites\_reservoir\dms01325\STS-1201-C-3101.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED PROFESSIONAL ENGINEER  
A. PUJOL  
C 37051  
CALIFORNIA



**SITES RESERVOIR**

SADDLE DAM 1  
CIVIL  
EMBANKMENT  
SECTION

**VERIFY SCALES**

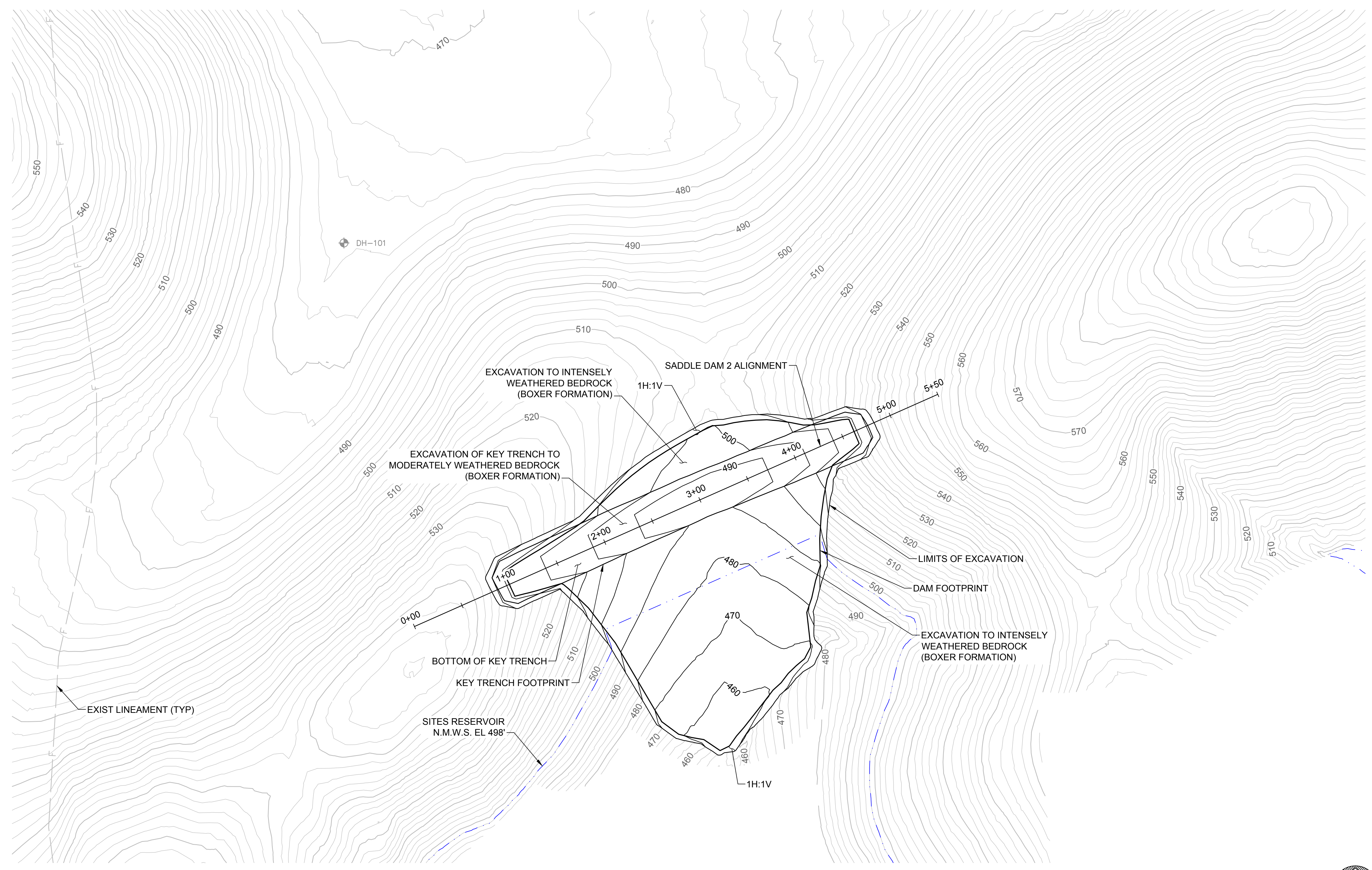
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

DRAWING NO.  
STS-1201-C-3101  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

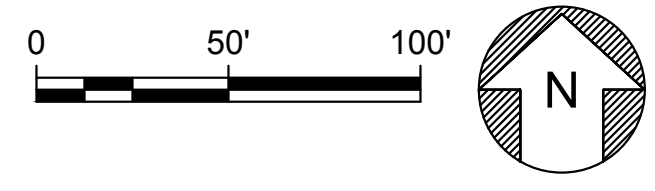
**GENERAL NOTES**

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**LEGEND**  
 DH-103 EXIST BORING

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



File: c:\pwworking\hdr\_sites\_reservoir\dms01329\STS-1205-C-1101.dwg  
 Plot Date: 3/22/2024 9:30 AM  
 Saved By: IVACHUR3507

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
E. CERNA ALVAREZ

DRAWN BY:  
E. CERNA ALVAREZ

CHECKED BY:  
A. PUJOL

IN CHARGE:  
M. SMITH

DATE:  
03/15/24



REGISTERED PROFESSIONAL ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



**SITES RESERVOIR**  
**SADDLE DAM 2**  
**CIVIL**  
**FOUNDATION EXCAVATION**  
**PLAN**

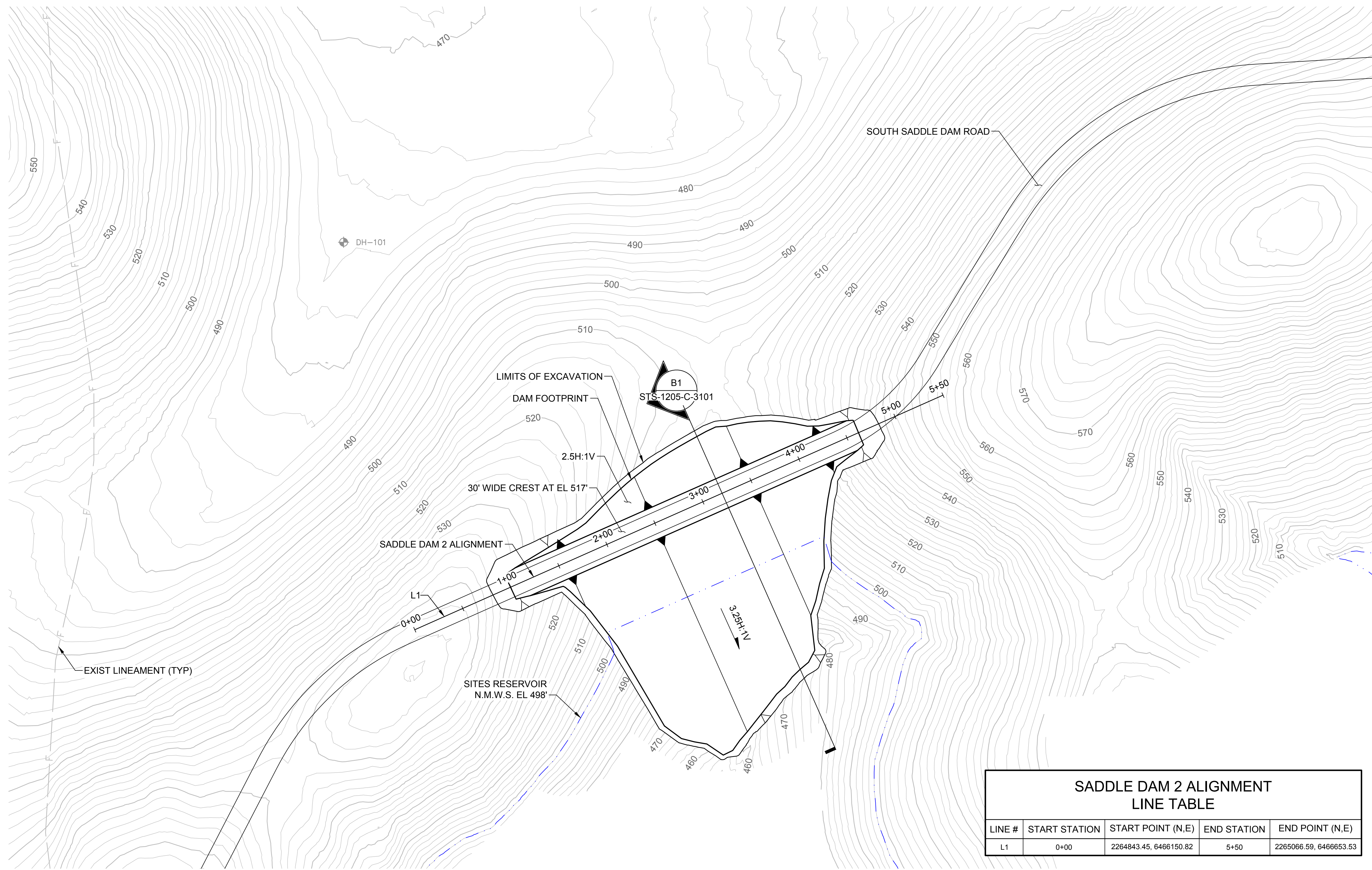
**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

0 50' 100'

DRAWING NO.  
 STS-1205-C-1101  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



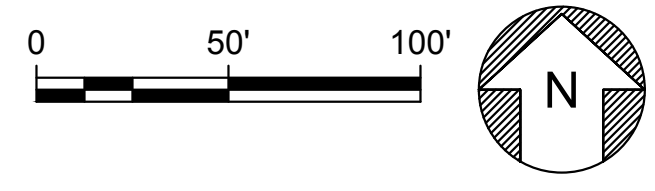


**SADDLE DAM 2 ALIGNMENT  
LINE TABLE**

LINE #	START STATION	START POINT (N,E)	END STATION	END POINT (N,E)
L1	0+00	2264843.45, 6466150.82	5+50	2265066.59, 6466653.53

**LEGEND**  
 DH-103 EXIST BORING

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



File: c:\pwworking\hdr\_sites\_reservoir\dms01329\STS-1205-C-2001.dwg  
 Plot Date: 3/22/2024 9:30 AM  
 Saved By: EDUCER2384

REV	DATE	BY	CHK	APPR	DESCRIPTION

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

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

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

REGISTERED PROFESSIONAL ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



**SITES RESERVOIR**  
 SADDLE DAM 2  
 CIVIL EMBANKMENT PLAN

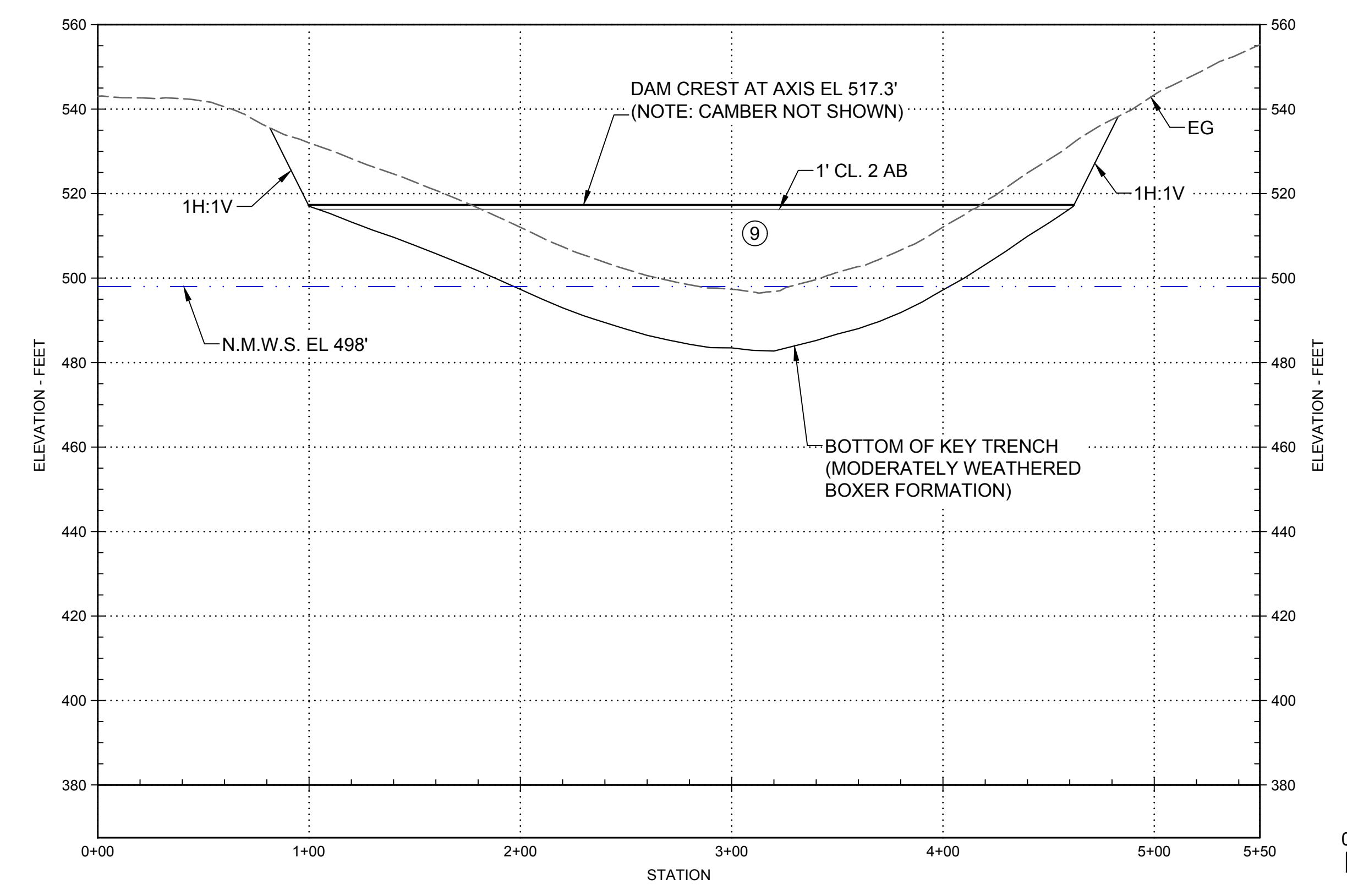
VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS  
 0 50 100 1"

DRAWING NO.  
 STS-1205-C-2001  
 SHT OF

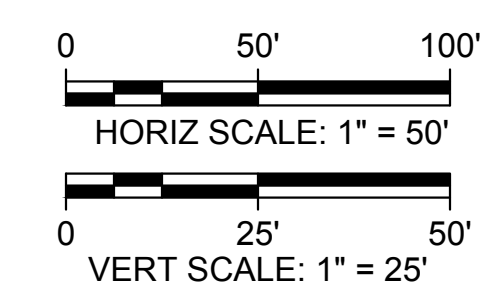
30% SUBMITTAL - NOT FOR CONSTRUCTION

**GENERAL NOTES**

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



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



Plot Date: 3/22/2024 9:30 AM  
 Saved By: EDUCER2384  
 File: c:\pwworking\hdr\_sites\_reservoir\dms01329\STS-1205-C-3001.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



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 A. PUJOL  
 C 37051  
 CALIFORNIA



**SITES RESERVOIR**

**SADDLE DAM 2  
 CIVIL  
 EMBANKMENT  
 PROFILE**

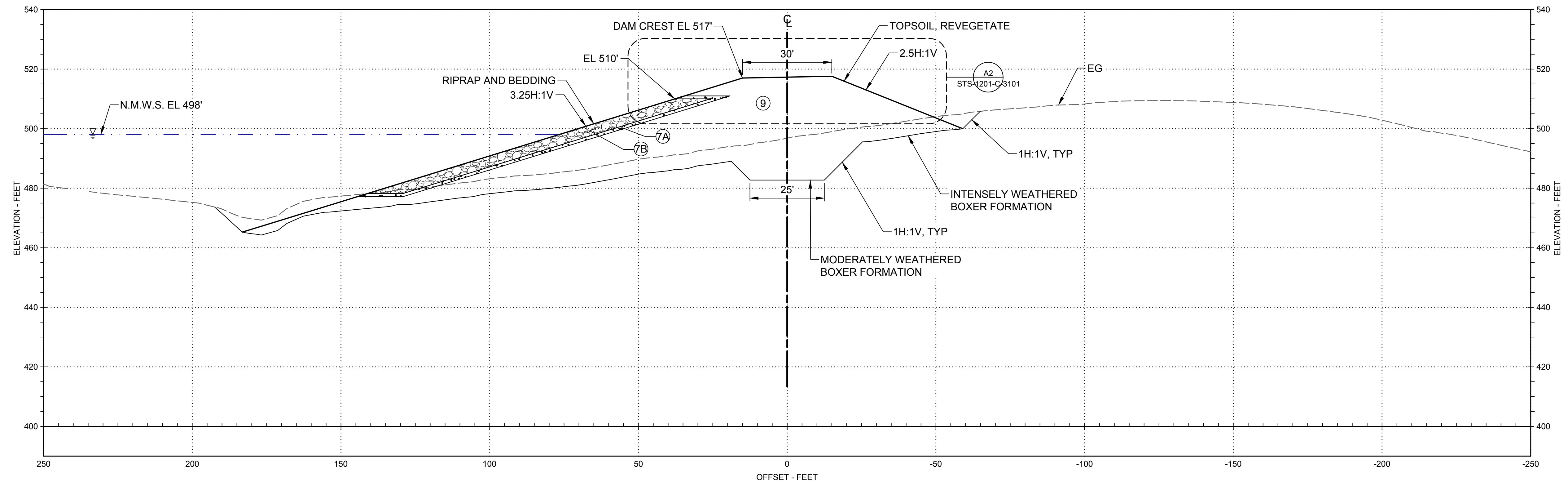
**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS.  
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DRAWING NO.  
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 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

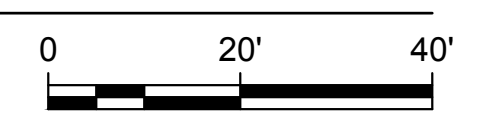
**GENERAL NOTES**

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



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

STS-1205-C-2001



Plot Date: 3/22/2024 9:31 AM Saved By: EDUCER2384 File: c:\pwworking\hdr\_sites\_reservoir\dms01329\STS-1205-C-3101.dwg

REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY:  
E. CERNA ALVAREZ

DRAWN BY:  
E. CERNA ALVAREZ

CHECKED BY:  
A. PUJOL

IN CHARGE:  
M. SMITH

DATE:  
03/15/24



REGISTERED PROFESSIONAL ENGINEER  
A. PUJOL  
C 37051  
CALIFORNIA



**SITES RESERVOIR**

SADDLE DAM 2  
CIVIL  
EMBANKMENT  
SECTION

**VERIFY SCALES**

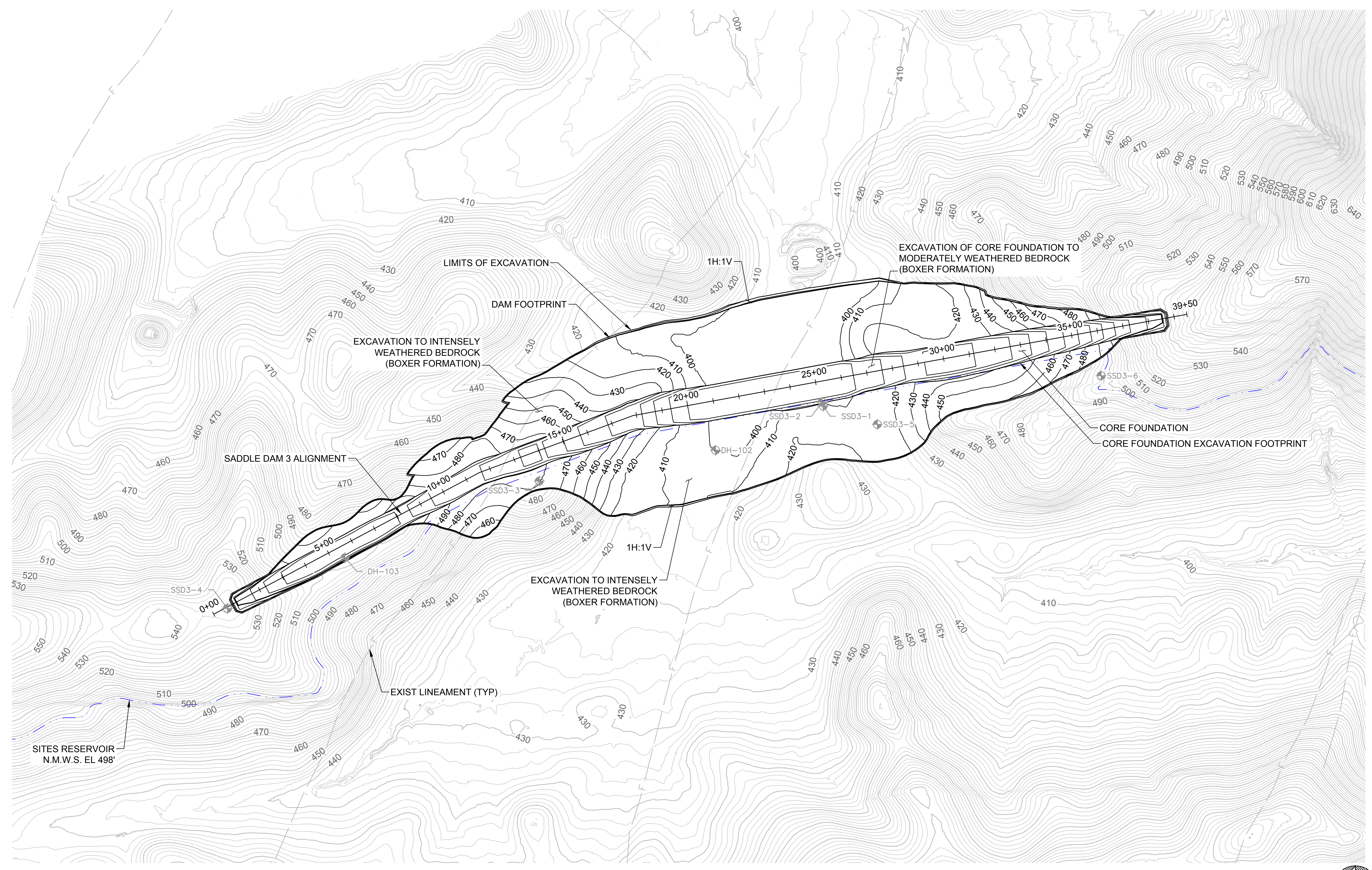
BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS

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SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

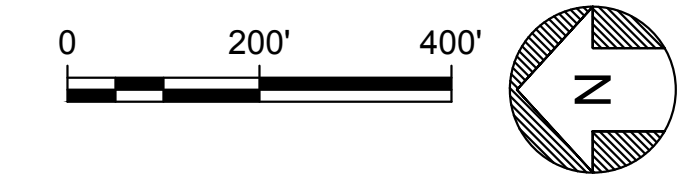
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**LEGEND**  
 ⬢ DH-103 EXIST BORING

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



Plot Date: 3/22/2024 9:31 AM  
 Saved By: EDUCER2384  
 File: c:\pwworking\hdr\_sites\_reservoir\dms01333\STS-1210-C-1101.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



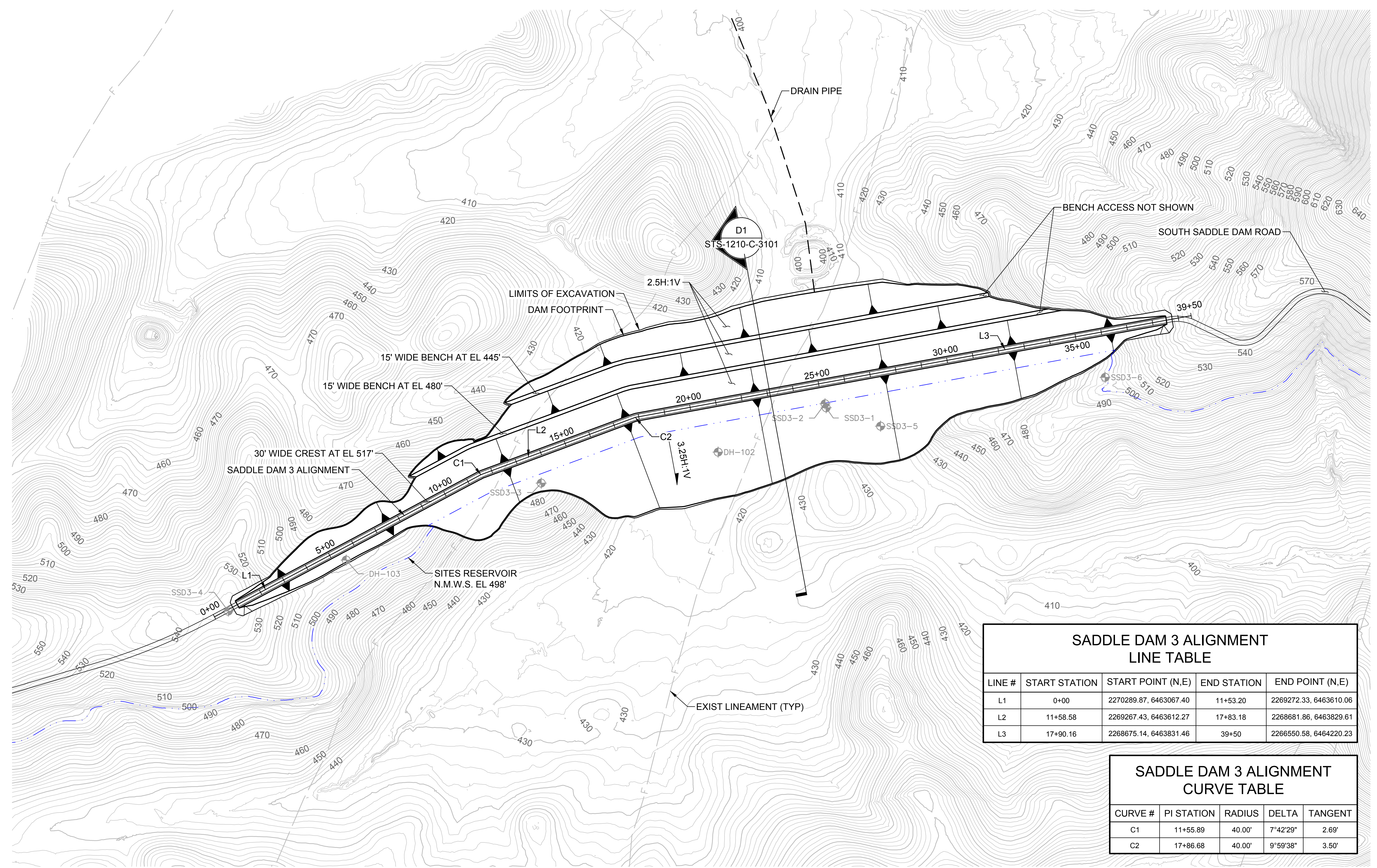
REGISTERED PROFESSIONAL ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



**SITES RESERVOIR**  
**SADDLE DAM 3**  
**CIVIL**  
**FOUNDATION EXCAVATION**  
**PLAN**

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS
	0 200' 400'
DRAWING NO.	STS-1210-C-1101
SHT OF	

30% SUBMITTAL - NOT FOR CONSTRUCTION



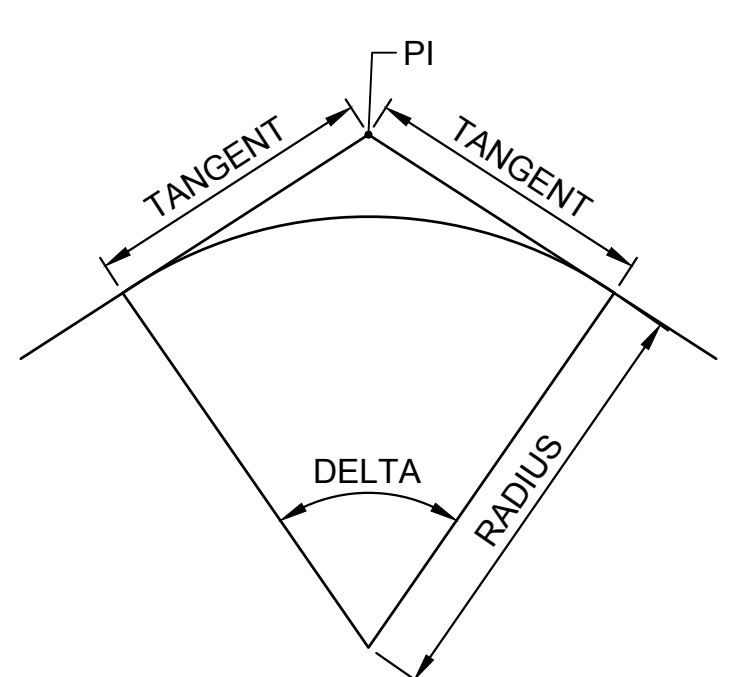
**SADDLE DAM 3 ALIGNMENT  
LINE TABLE**

LINE #	START STATION	START POINT (N,E)	END STATION	END POINT (N,E)
L1	0+00	2270289.87, 6463067.40	11+53.20	2269272.33, 6463610.06
L2	11+58.58	2269267.43, 6463612.27	17+83.18	2268681.86, 6463829.61
L3	17+90.16	2268675.14, 6463831.46	39+50	2266550.58, 6464220.23

**SADDLE DAM 3 ALIGNMENT  
CURVE TABLE**

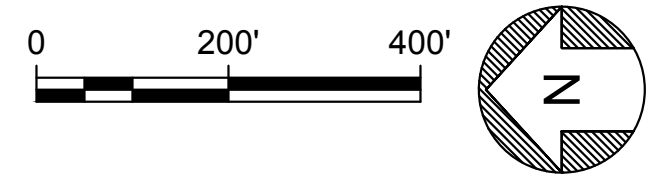
CURVE #	PI STATION	RADIUS	DELTA	TANGENT
C1	11+55.89	40.00'	7°42'29"	2.69'
C2	17+86.68	40.00'	9°59'38"	3.50'

**CURVE TABLE LEGEND**



**LEGEND**  
 DH-103 EXIST BORING

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



File: c:\pwworking\hdr\_sites\_reservoir\dmso1333\STS-1210-C-2001.dwg  
 Plot Date: 3/22/2024 9:31 AM  
 Saved By: EDUCER2384

REV	DATE	BY	CHK	APPR	DESCRIPTION

DESIGNED BY:  
E. CERNA ALVAREZ

DRAWN BY:  
E. CERNA ALVAREZ

CHECKED BY:  
A. PUJOL

IN CHARGE:  
M. SMITH

DATE:  
03/15/24



REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



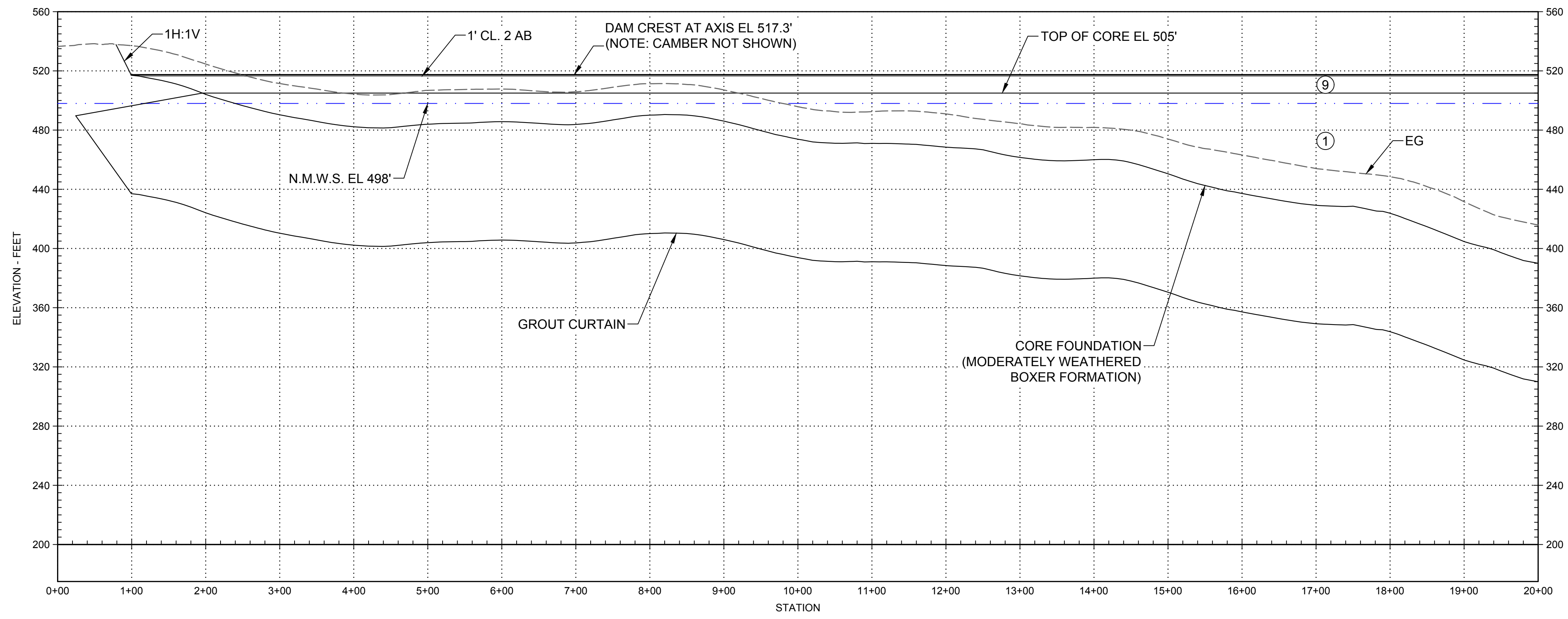
**SITES RESERVOIR**  
**SADDLE DAM 3**  
**CIVIL**  
**EMBANKMENT**  
**PLAN**

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

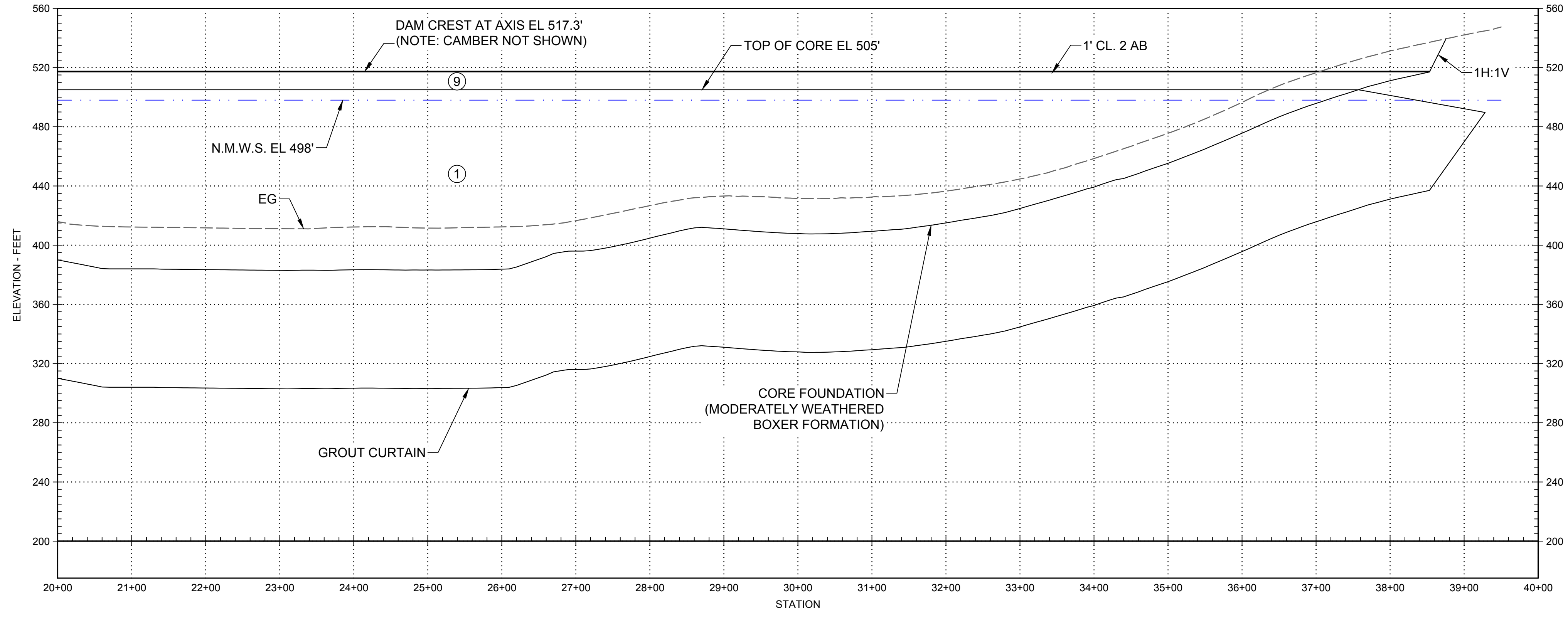
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DRAWING NO.  
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 SHT OF

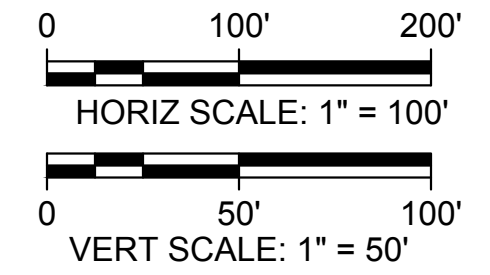
30% SUBMITTAL - NOT FOR CONSTRUCTION



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



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



**GENERAL NOTES**

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

Plot Date: 3/22/2024 9:52 AM  
 Saved By: EDUCER2384  
 File: c:\pwworking\hdr\_sites\_reservoir\dms01333\STS-1210-C-3001.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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

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

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

REGISTERED PROFESSIONAL ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



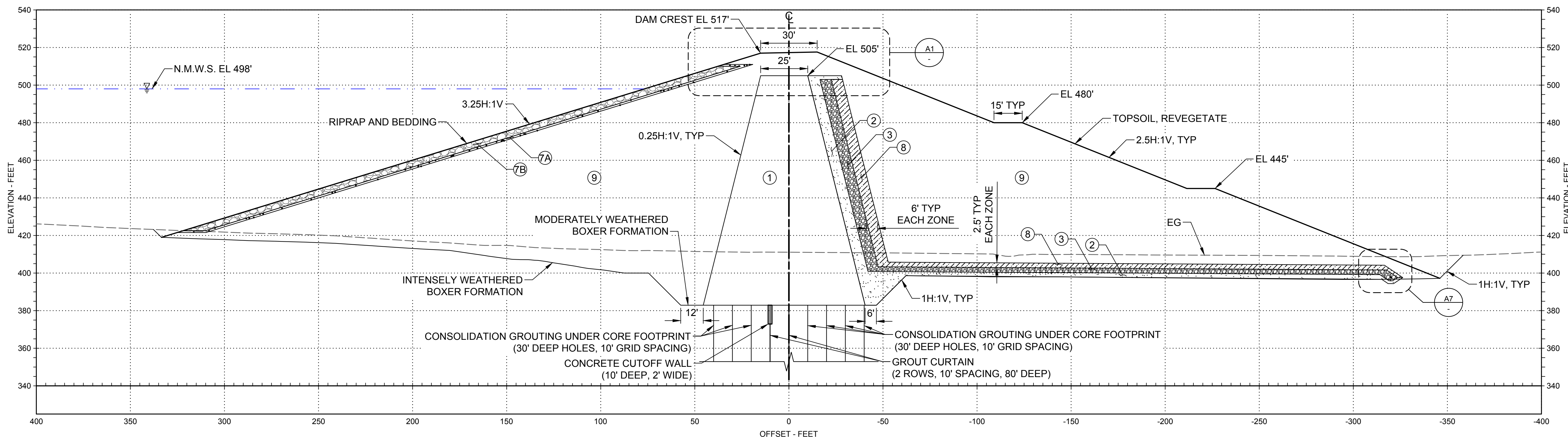
**SITES RESERVOIR**  
 SADDLE DAM 3  
 CIVIL  
 EMBANKMENT  
 PROFILE

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS  
 0 1" 100'  
 DRAWING NO.  
 STS-1210-C-3001  
 SHT OF

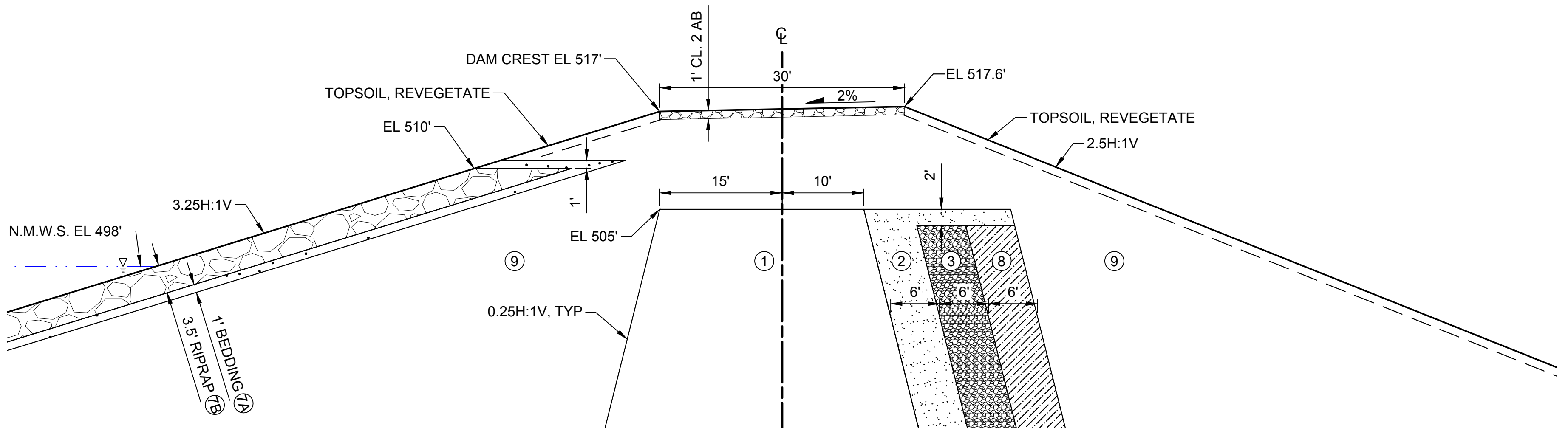
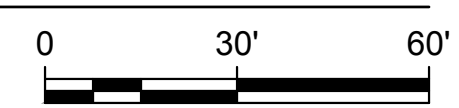
30% SUBMITTAL - NOT FOR CONSTRUCTION

GENERAL NOTES

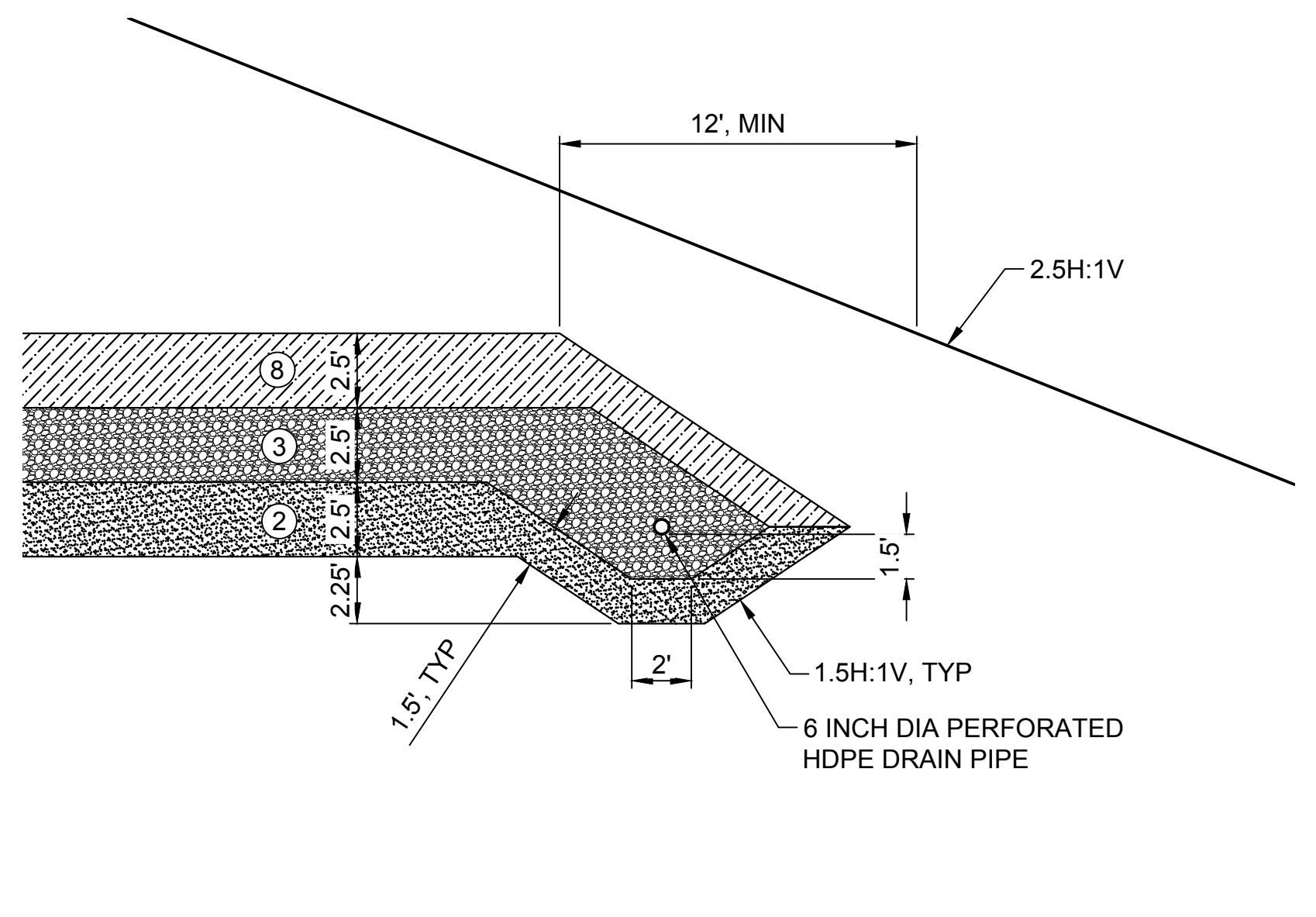
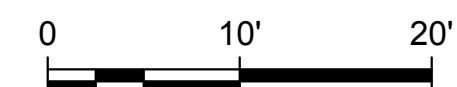
1. FOR DESCRIPTION OF EMBANKMENT MATERIALS IN EACH ZONE AND GRADATION BANDS, SEE STS-0001-G-0027.



**D1** SECTION - 23+10  
SCALE: 1" = 30'



**A1** DETAIL - SADDLE DAM CREST  
SCALE: 1" = 10' NOTE: CAMBER NOT SHOWN



**A7** DETAIL - FILTER/DRAIN BLANKET  
SCALE: 1" = 5'



Plot Date: 3/22/2024 9:32 AM  
Saved By: EDUCER2384  
File: c:\pwworking\hdr\_sites\_reservoir\dms01333\STS-1210-C-3101.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED PROFESSIONAL ENGINEER  
A. PUJOL  
C 37051  
CALIFORNIA



SITES RESERVOIR

SADDLE DAM 3  
CIVIL  
EMBANKMENT  
SECTION

VERIFY SCALES

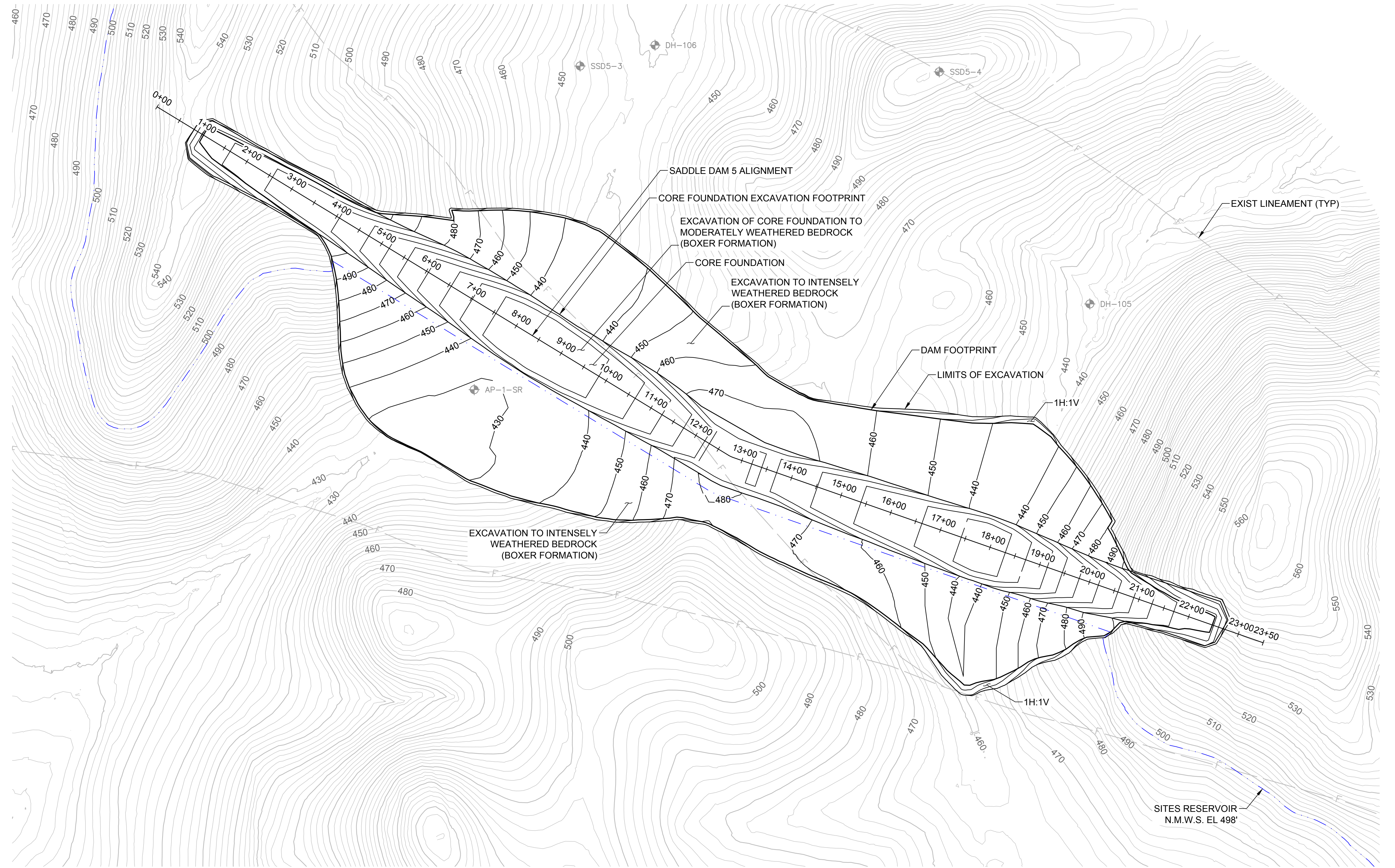
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

DRAWING NO.  
STS-1210-C-3101  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

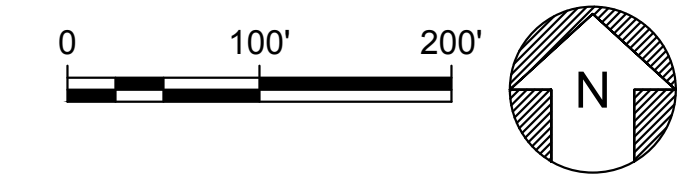
**GENERAL NOTES**

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



**LEGEND**  
 DH-103 EXIST BORING

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



File: c:\pwworking\hdr\_sites\_reservoir\dmso1337\STS-1215-C-1101.dwg  
 Plot Date: 3/22/2024 9:33 AM  
 Saved By: EDUCER2384

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



REGISTERED PROFESSIONAL ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA

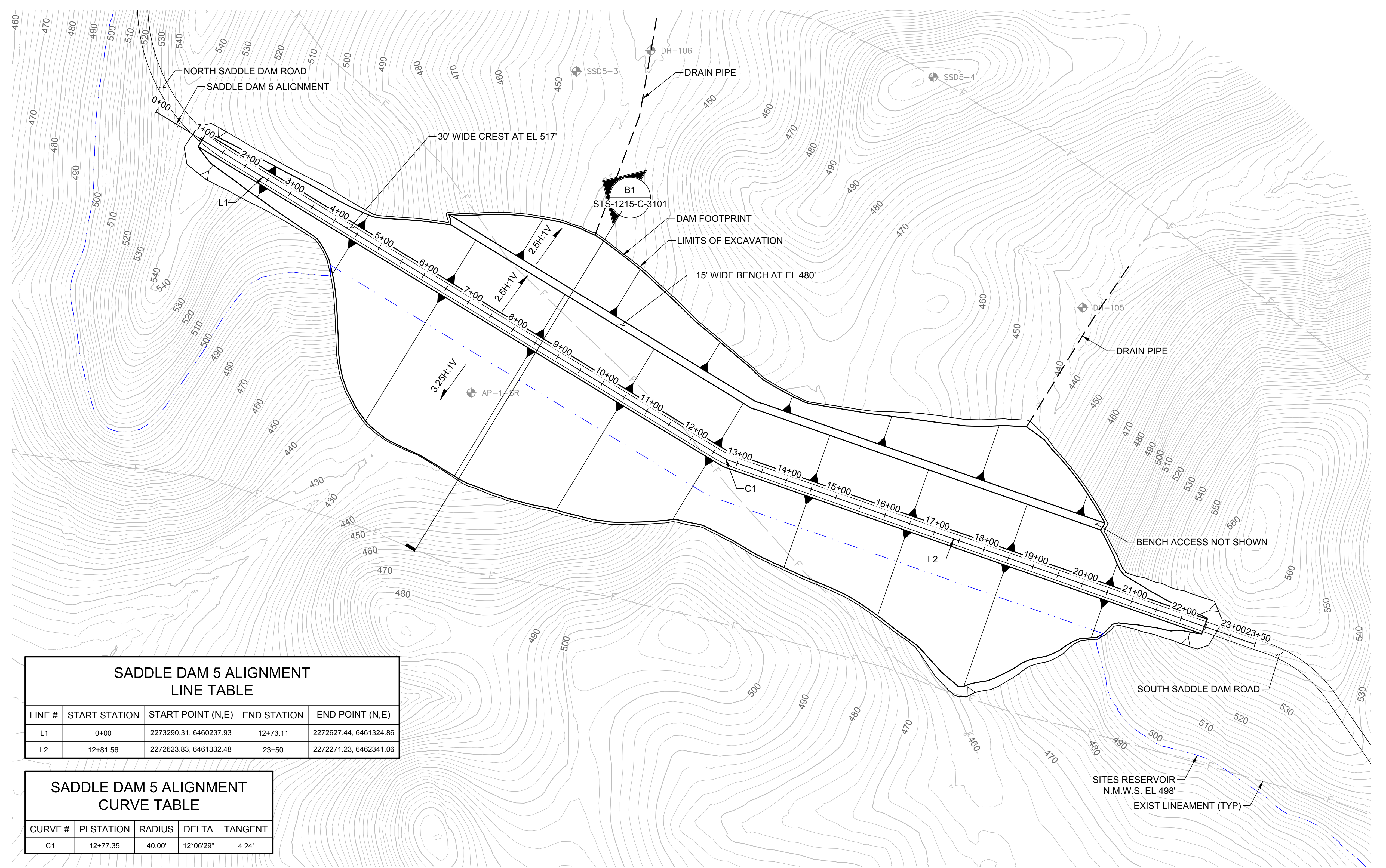


**SITES RESERVOIR**  
 SADDLE DAM 5  
 CIVIL  
 FOUNDATION EXCAVATION  
 PLAN

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
 0 1" 100'  
 DRAWING NO. STS-1215-C-1101  
 SHEET OF

30% SUBMITTAL - NOT FOR CONSTRUCTION





**SADDLE DAM 5 ALIGNMENT  
LINE TABLE**

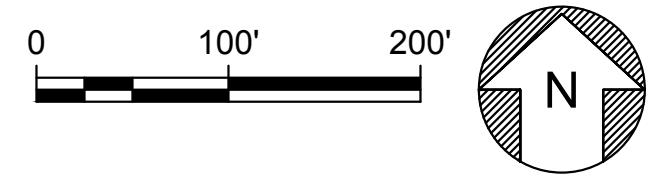
LINE #	START STATION	START POINT (N,E)	END STATION	END POINT (N,E)
L1	0+00	2273290.31, 6460237.93	12+73.11	2272627.44, 6461324.86
L2	12+81.56	2272623.83, 6461332.48	23+50	2272271.23, 6462341.06

**SADDLE DAM 5 ALIGNMENT  
CURVE TABLE**

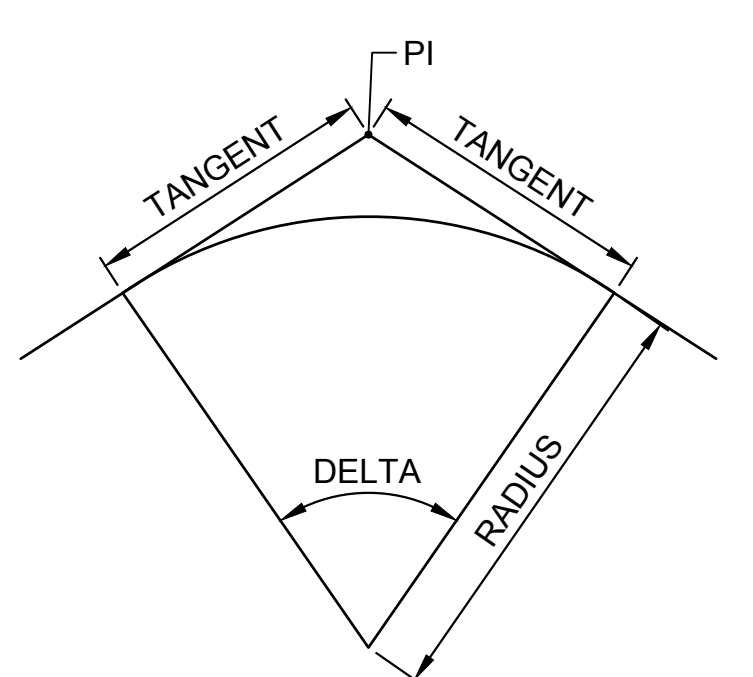
CURVE #	PI STATION	RADIUS	DELTA	TANGENT
C1	12+77.35	40.00'	12°06'29"	4.24'

**LEGEND**  
 DH-103 EXIST BORING

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



**CURVE TABLE LEGEND**



File: c:\pwworking\hdr\_sites\_reservoir\dmso1337\STS-1215-C-2001.dwg  
 Plot Date: 3/22/2024 9:33 AM  
 Saved By: IVACRU3507

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



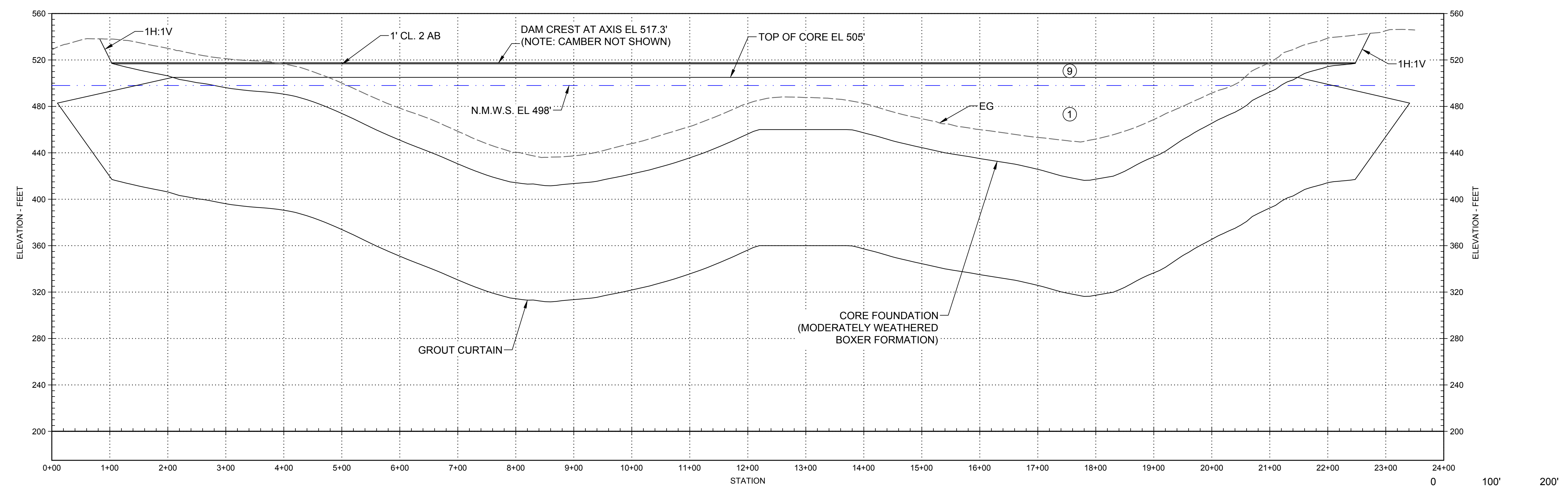
**SITES RESERVOIR**  
 SADDLE DAM 5  
 CIVIL  
 EMBANKMENT  
 PLAN

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWINGS. ADJUST SCALES FOR  
 REDUCED PLOTS  
 0 100 200 1"  
 DRAWING NO.  
 STS-1215-C-2001  
 SHT OF

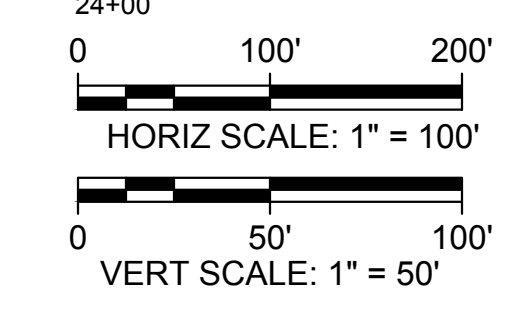
30% SUBMITTAL - NOT FOR CONSTRUCTION

**GENERAL NOTES**

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



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



Plot Date: 3/22/2024 9:34 AM  
 Saved By: EDUCER2384  
 File: c:\pwworking\hdr\_sites\_reservoir\dms01337\STS-1215-C-3001.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



2868 Prospect Drive, Suite 400  
 Rancho Cordova CA 95670  
 TEL: 916.414.5800

REGISTERED PROFESSIONAL ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



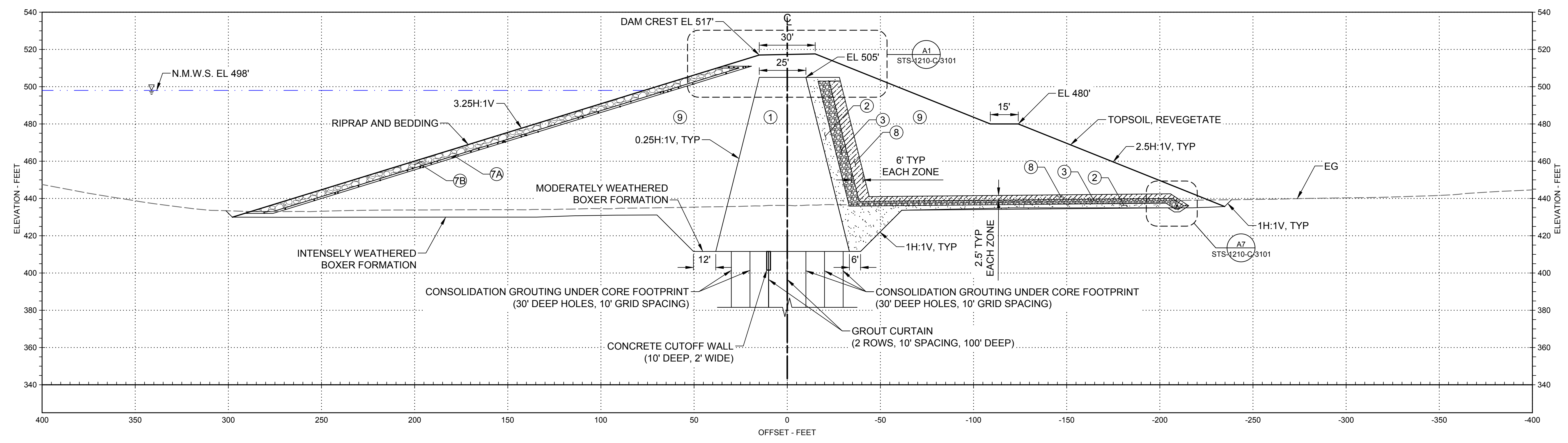
**SITES RESERVOIR**  
 SADDLE DAM 5  
 CIVIL EMBANKMENT PROFILE

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS.  
 0 1" 1"  
 DRAWING NO. STS-1215-C-3001  
 SHT OF

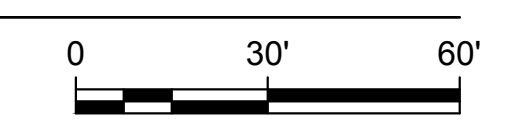
30% SUBMITTAL - NOT FOR CONSTRUCTION

**GENERAL NOTES**

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



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



Plot Date: 3/22/2024 9:34 AM Saved By: EDUCER2384 File: c:\pwworking\hdr\_sites\_reservoir\dms01337\STS-1215-C-3101.dwg

STS-1215-C-2001

REV	DATE	BY	CHK.	APPR.	DESCRIPTION

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



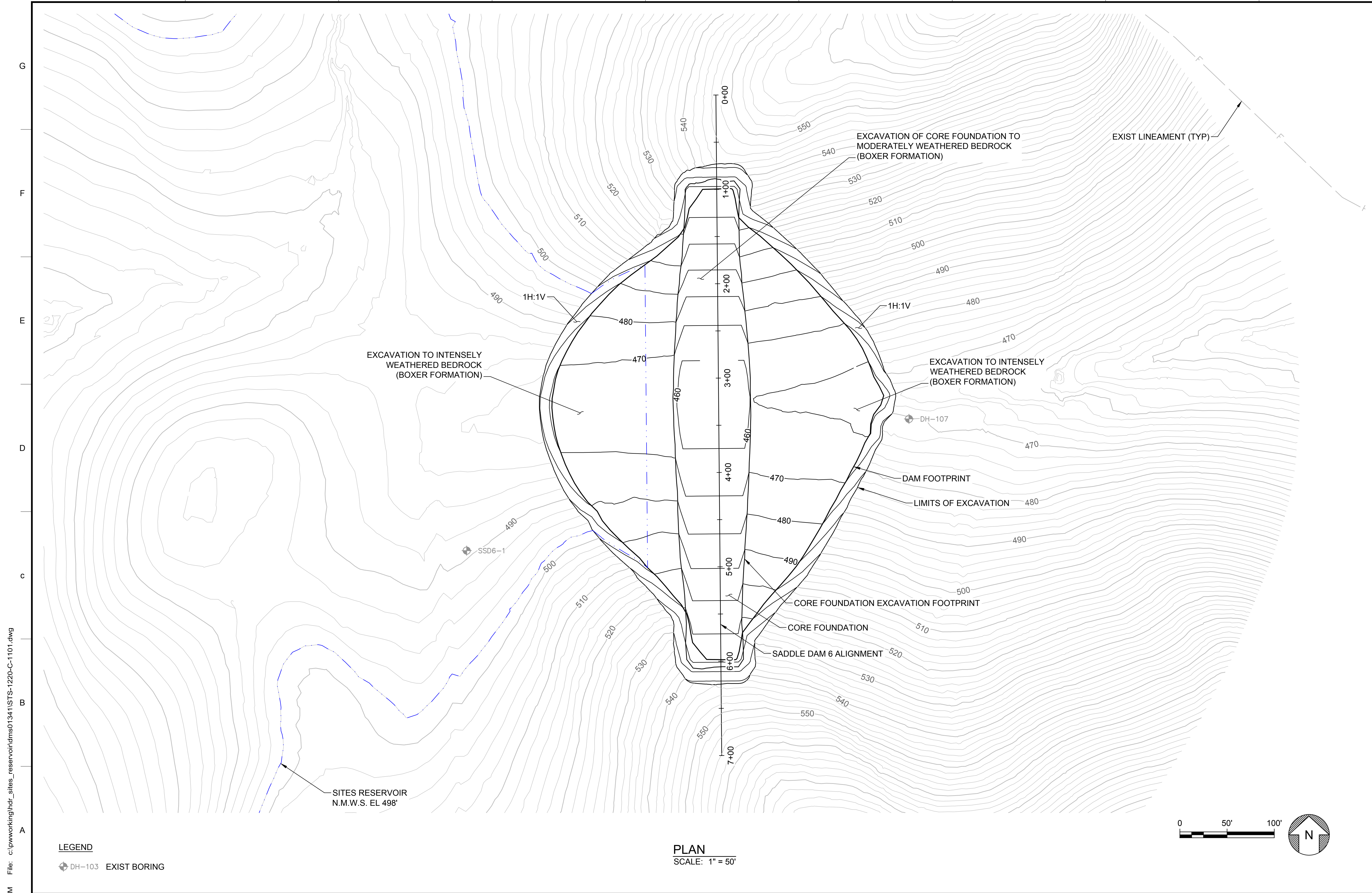
REGISTERED PROFESSIONAL ENGINEER  
A. PUJOL  
C 37051  
CALIFORNIA



**SITES RESERVOIR**  
**SADDLE DAM 5**  
**CIVIL EMBANKMENT SECTION**

VERIFY SCALES	BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS
	0 30 60 1"
DRAWING NO.	STS-1215-C-3101
SHT	OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



**GENERAL NOTES**

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

File: c:\pwworking\hdr\_sites\_reservoir\dms01341\STS-1220-C-1101.dwg  
 Plot Date: 3/22/2024 9:35 AM  
 Saved By: EDUCER2384

**LEGEND**  
 DH-103 EXIST BORING

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

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



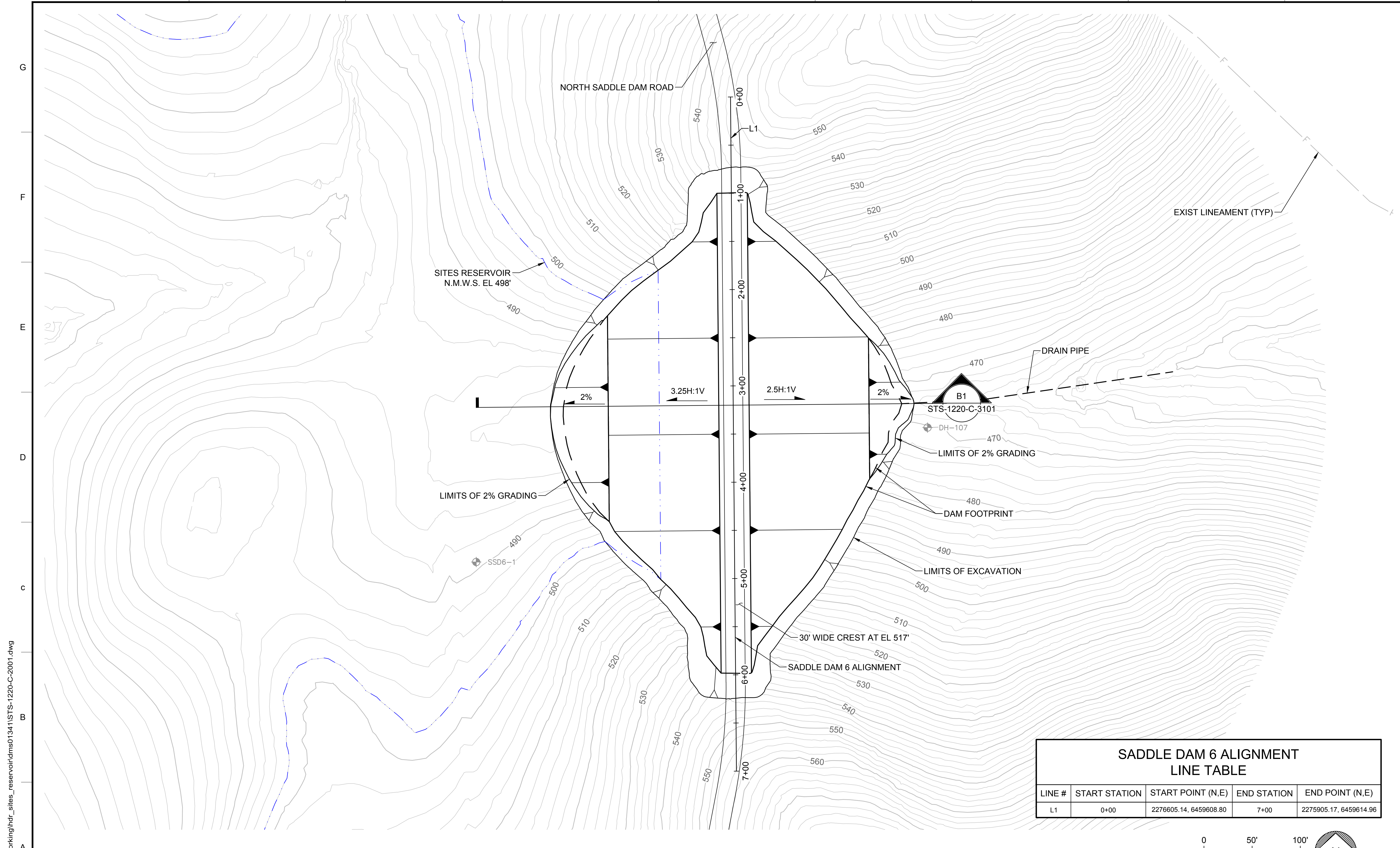
REGISTERED PROFESSIONAL ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



**SITES RESERVOIR**  
**SADDLE DAM 6**  
**CIVIL**  
**FOUNDATION EXCAVATION PLAN**

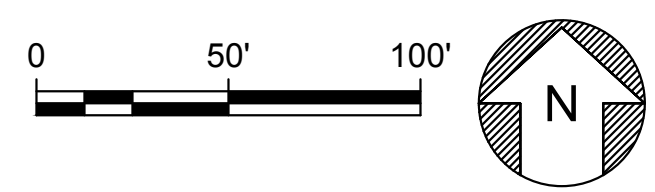
**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
 1"  
 DRAWING NO. STS-1220-C-1101  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION



GENERAL NOTES

SADDLE DAM 6 ALIGNMENT LINE TABLE				
LINE #	START STATION	START POINT (N,E)	END STATION	END POINT (N,E)
L1	0+00	2276605.14, 6459608.80	7+00	2275905.17, 6459614.96



LEGEND  
 ◆ DH-103 EXIST BORING

PLAN  
 SCALE: 1" = 50'

Plot Date: 3/22/2024 9:35 AM  
 Saved By: IVACRU3507  
 File: c:\pwworking\hdr\_sites\_reservoir\dms01341\STS-1220-C-2001.dwg

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



REGISTERED  
 PROFESSIONAL  
 ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



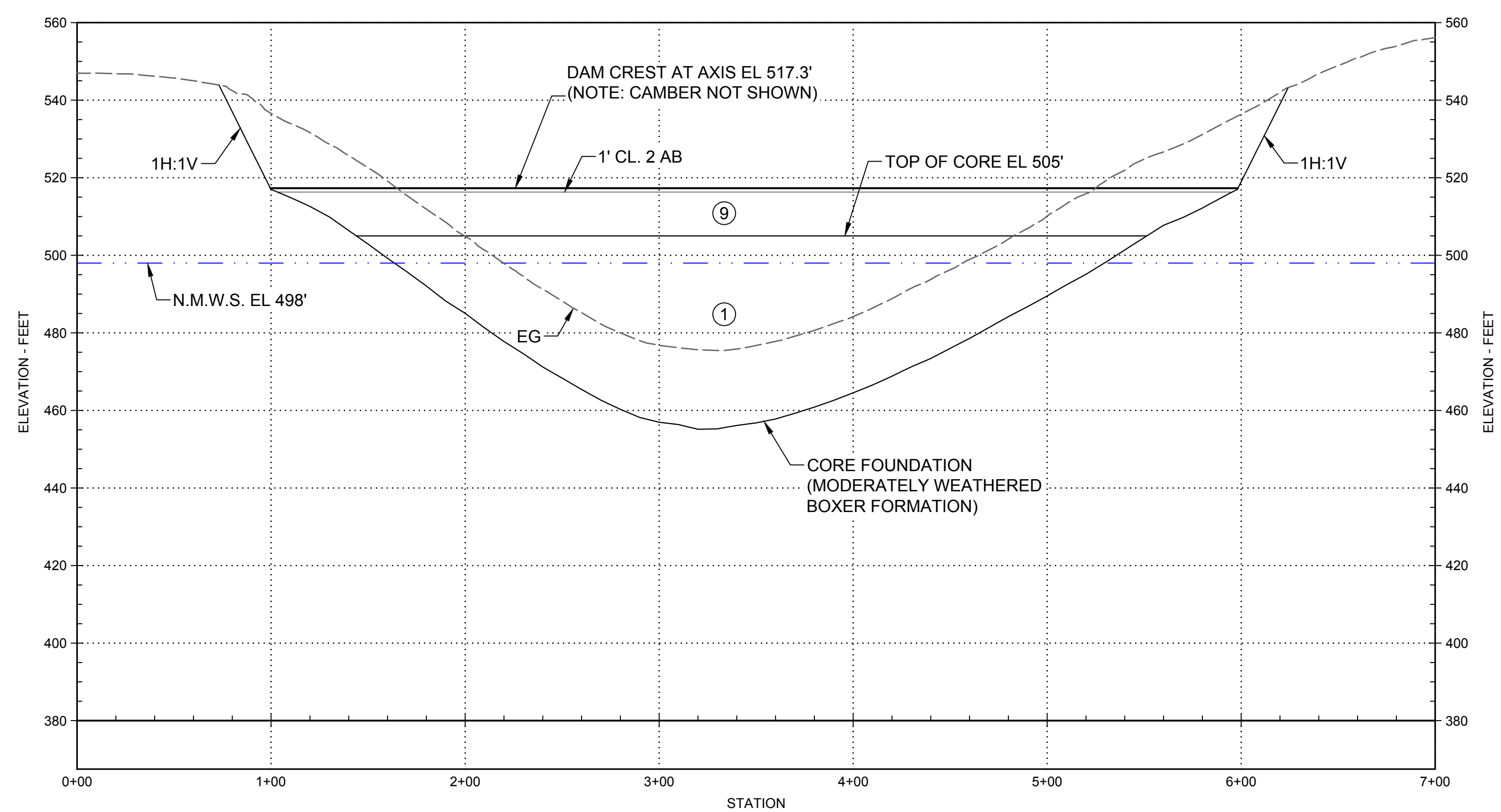
SITES RESERVOIR  
 SADDLE DAM 6  
 CIVIL  
 EMBANKMENT  
 PLAN

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL  
 DRAWING. ADJUST SCALES FOR  
 REDUCED PLOTS  
 0 50' 100'  
 DRAWING NO.  
 STS-1220-C-2001  
 SHT OF

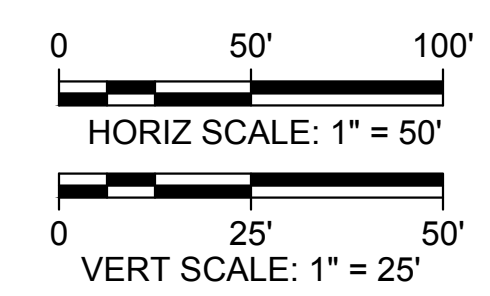
30% SUBMITTAL - NOT FOR CONSTRUCTION

**GENERAL NOTES**

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



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



Plot Date: 3/22/2024 9:36 AM  
 Saved By: EDUCER2384  
 File: c:\pwworking\hdr\_sites\_reservoir\dms01341\STS-1220-C-3001.dwg

REV	DATE	BY	CHK	APPR	DESCRIPTION

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



REGISTERED PROFESSIONAL ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



**SITES RESERVOIR**

SADDLE DAM 6  
 CIVIL  
 EMBANKMENT  
 PROFILE

**VERIFY SCALES**

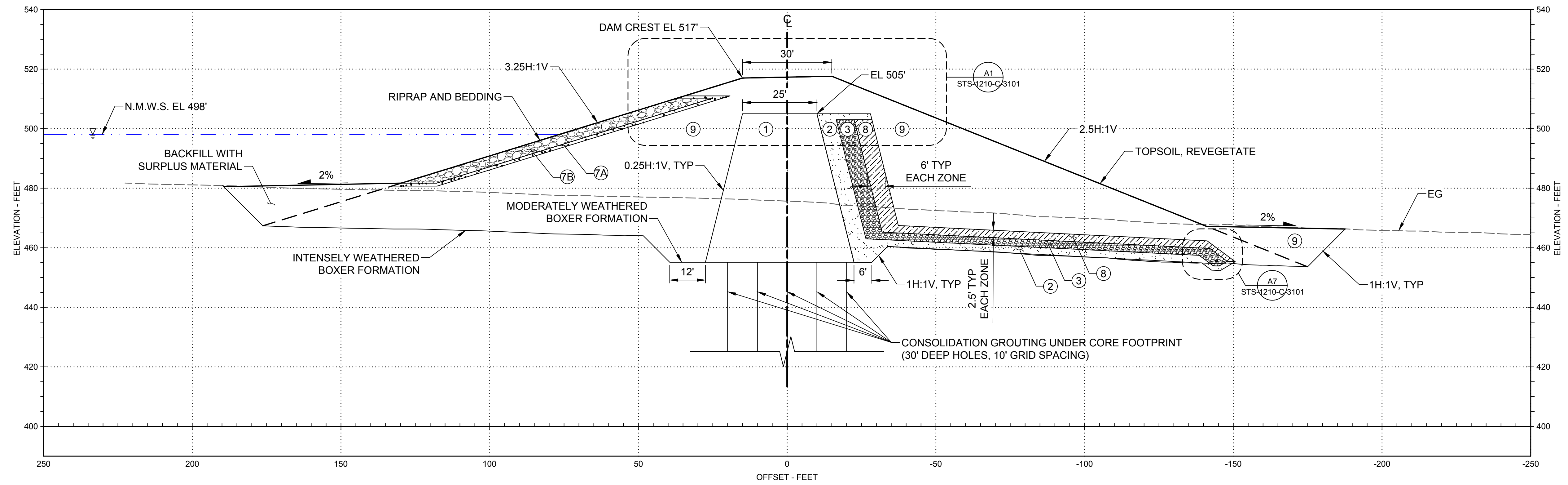
BAR IS ONE INCH ON ORIGINAL DRAWINGS. ADJUST SCALES FOR REDUCED PLOTS

DRAWING NO. STS-1220-C-3001  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

**GENERAL NOTES**

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



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

STS-1220-C-2001

Plot Date: 3/22/2024 9:36 AM Saved By: EDUCER2384 File: c:\pwworking\hdr\_sites\_reservoir\dms01341\STS-1220-C-3101.dwg

A B C D E F G

REV	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY:  
E. CERNA ALVAREZ

DRAWN BY:  
E. CERNA ALVAREZ

CHECKED BY:  
A. PUJOL

IN CHARGE:  
M. SMITH

DATE:  
03/15/24



REGISTERED PROFESSIONAL ENGINEER  
A. PUJOL  
C 37051  
CALIFORNIA



**SITES RESERVOIR**

SADDLE DAM 6  
CIVIL EMBANKMENT SECTION

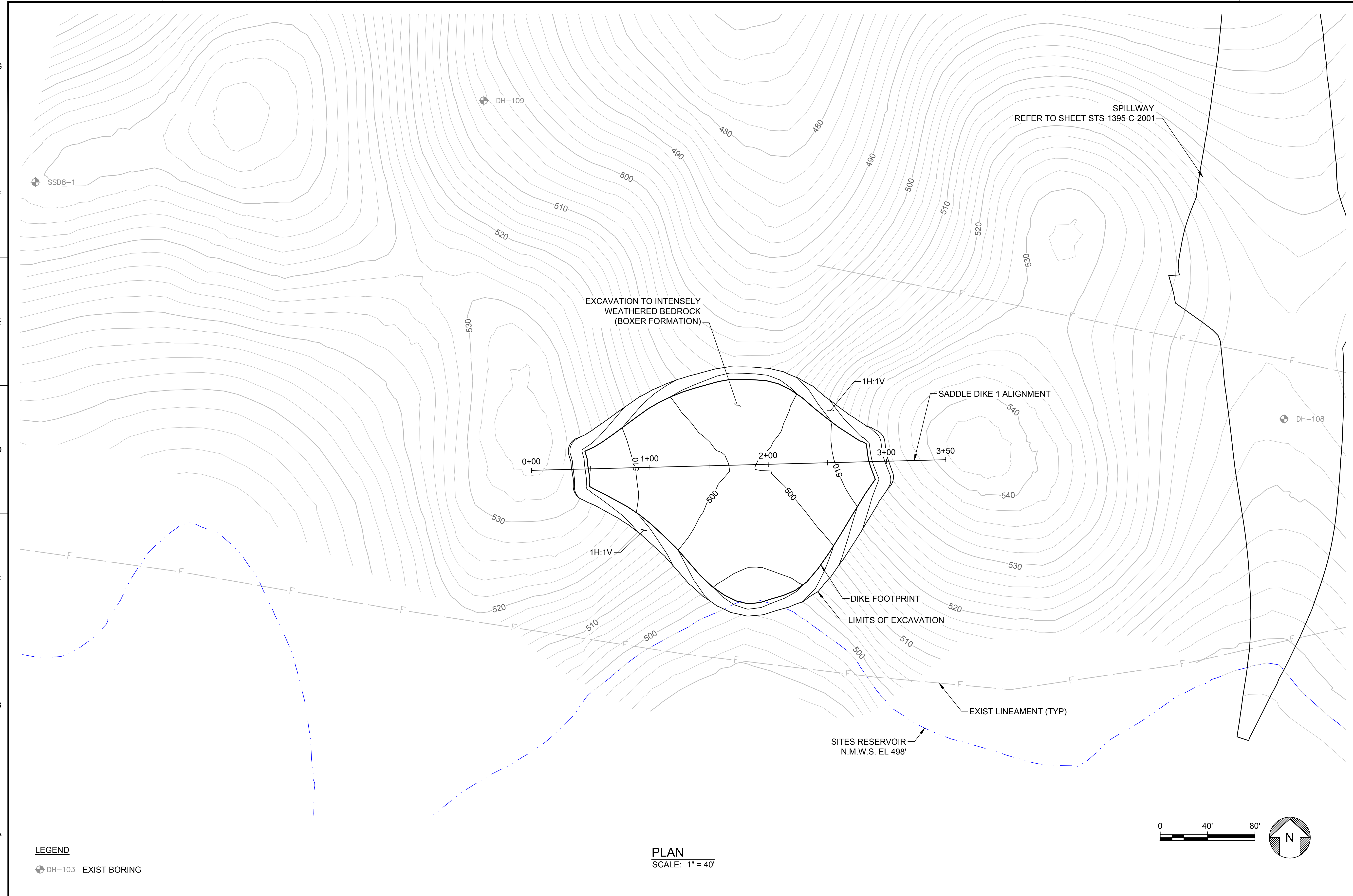
VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

0 1"

DRAWING NO.  
STS-1220-C-3101  
SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION

Plot Date: 3/22/2024 9:41 AM  
 Saved By: IVACHUK3507  
 File: c:\pwworking\hdr\_sites\_reservoir\dmso2914\STS-1223-C-1101.dwg

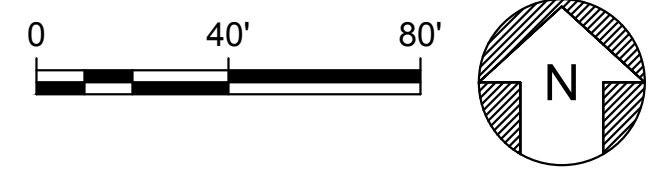


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**LEGEND**  
 ⚡ DH-103 EXIST BORING

**PLAN**  
 SCALE: 1" = 40'



REV	DATE	BY	CHK.	APPR.	DESCRIPTION

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



REGISTERED PROFESSIONAL ENGINEER  
 A. PUJOL  
 C 37051  
 CALIFORNIA



**SITES RESERVOIR**  
**SADDLE DIKE 1**  
**CIVIL**  
**FOUNDATION EXCAVATION**  
**PLAN**

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS.  
 0 40' 80' 1"  
 DRAWING NO. STS-1223-C-1101  
 SHT OF

30% SUBMITTAL - NOT FOR CONSTRUCTION