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NOT FOR CONSTRUCTION**

NAPA RIVER RESTORATION OAKVILLE TO OAK KNOLL REACH - GROUP D

NOVEMBER, 2019

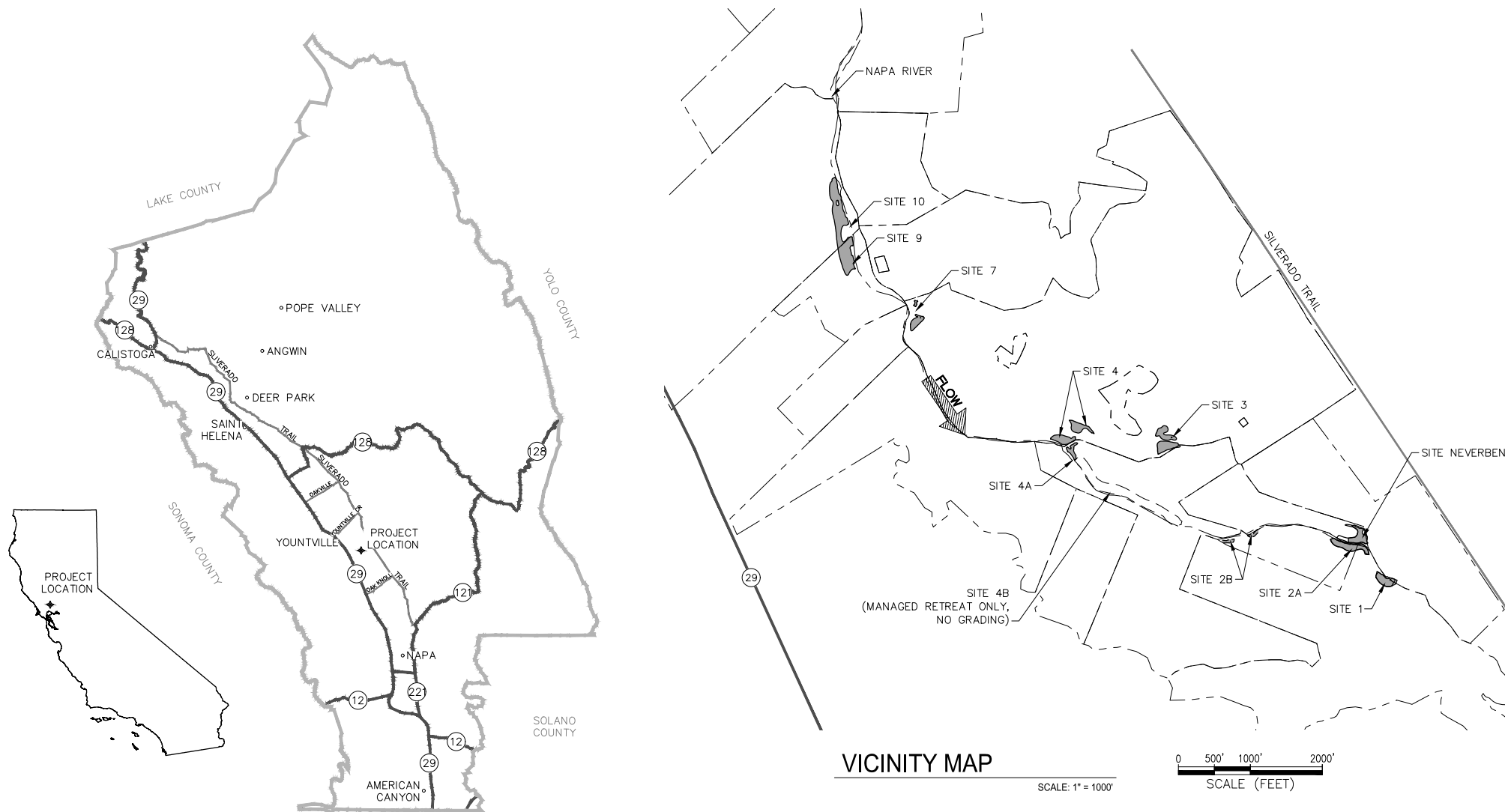
PHASE 1 (SITES 3, 4, 4B, 7, 9, 10) AND PHASE 2 (SITES NEVERBEND, 1, 2A, 2B, 4A) FLOODPLAIN RESTORATION

PW XX-XX (TO BE ASSIGNED)
NAPA COUNTY, CALIFORNIA

PHILLIP MILLER, PE. REG 30680
DEPUTY DIRECTOR OF PUBLIC WORKS

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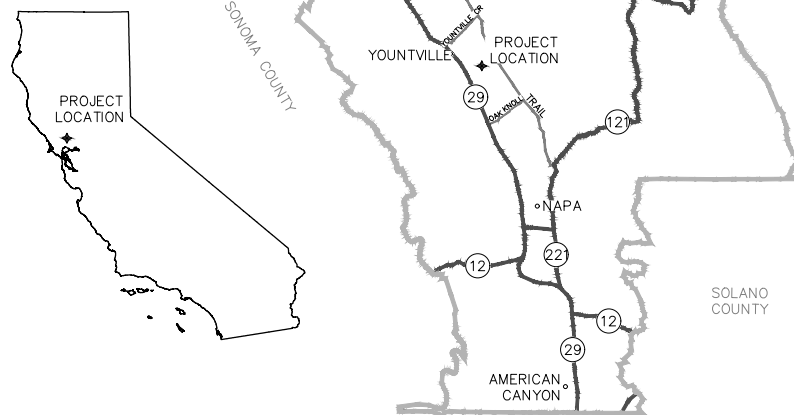
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VICINITY MAP

SCALE: 1" = 1000'


SCALE (FEET)
0 500' 1000' 2000'



LOCATION MAP

NAPA COUNTY

PLOT DATE: 11/17/2019 6:51 PM
LAST SAVE DATE: 11/17/2019 6:49 PM
FILE: K:\PROJECTS\2012\120076.GD - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\1 TITLE SHEET.DWG



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DESIGNED: JORGEN BLOMBERG, ANN BERGONDOVO
IN CHARGE: ANN BERGONDOVO C03102

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: TITLE SHEET

COUNTY OF NAPA - PUBLIC WORKS

NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549



A Tradition of Stewardship
A Commitment to Service

DATE: 10/2019	SCALE: AS SHOWN
COUNTY PROJECT NO.: PW XX-XX	
SPECIFICATION NO.: PW XX-XX	
SHEET NO.: 1 OF 67	
DWG NO.: G-01	

ABBREVIATIONS

APPROX	APPROXIMATE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
DBH	DIAMETER AT BREAST HEIGHT
DEMO	DEMOLISH
DG	DESIGN GRADE
DIA	DIAMETER
DR	DRIP
DS	DOWNSTREAM
ELEV	ELEVATION
EL	ELEVATION
(E)	EXISTING
EG	EXISTING GRADE
ER	EDGE OF ROAD
FL	FLOW LINE
FT	FOOT, FEET
GB	GRADE BREAK
HS	HABITAT LOG STRUCTURE
IN	INCH
INV	INVERT ELEVATION
LF	LINEAR FOOT, FEET
LW	LIVE WOOD STRUCTURE
MAX	MAXIMUM
MES	MITERED END SECTION
MIN	MINIMUM
(N)	NEW
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OAE	OR APPROVED EQUIVALENT
OFF	OFFSET
OC	ON-CENTER
OVHD	OVERHEAD
PG&E	PACIFIC GAS AND ELECTRIC COMPANY
PIP	PROTECT IN PLACE
POC	POINT OF CONNECTION
PVC	POLYVINYL CHLORIDE (PIPE)
RC	RELATIVE COMPACTION
RIM	RIM, GRATE, OR LID ELEVATION
RSP	ROCK SLOPE PROTECTION
SCH	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SF	SQUARE FEET
SPECS	SPECIFICATIONS
STA	STATION
3:1	SLOPE, HORIZONTAL: VERTICAL
TOB	TOP OF BANK
TOS	TOE OF SLOPE
TYP	TYPICAL
UG	UNDERGROUND
US	UPSTREAM
VAR	VARIES
VF	VERIFY IN FIELD

TREE ABBREVIATIONS

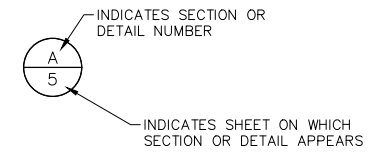
BLAC	(BLACKWOOD ACACIA) (ACACIA MELANOXYLON) INVASIVE
BLEL	(BLACK ELDERBERRY) SAMBUCUS NIGRA
BLMA	(BIGLEAF MAPLE) ACER MACROPHYLLUM
BUCK	(CALIFORNIA BUCKEYE) AESCULUS CALIFORNICA
CABA	(CALIFORNIA BAY) UMBELLULARIA CALIFORNICA
CASY	(CALIFORNIA SYCAMORE) PLATANUS RACEMOSA
COLO	(COAST LIVE OAK) QUERCUS AGRIFOLIA
EUCA	(EUCALYPTUS SP.) EUCALYPTUS SP.
FRCO	(FREMONT COTTONWOOD) POPULUS FREMONTII
NCBW	(NORTHERN CALIFORNIA BLACK WALNUT) JUGLANS HINDSII
ORAS	(OREGON ASH) FRAXINUS LATIFOLIA
PRUN	(PLUM SP.) PRUNUS SP.
ROBI	(LOCTUS SP.) ROBINIA SP.
RDWI	(RED WILLOW) SALIX LAEVIGATA
SAWI	(SANDBAR WILLOW) SALIX EXIGUA
UNKN	(UNKNOWN - IS EITHER EUCALYPTUS SP. OR BLACKWOOD ACACIA)
VAOA	(VALLEY OAK) QUERCUS LOBATA
WHAL	(WHITE ALDER) ALNUS RHOMBIFOLIA

* NS INDICATES A NUMEROUS STEM TREE. THE LARGEST DIAMETER IS LISTED ON THE EXISTING CONDITIONS & DEMO TABLES.

LEGEND & SYMBOLS

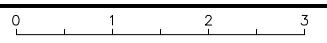
	EXISTING GRADE (PROFILES & SECTIONS)
	DESIGN GRADE (PROFILES & SECTIONS)
	APPROXIMATE PARCEL LINE
	GRADING LIMIT (PLAN VIEW)
	PROJECT LIMIT
	THALWEG
	(E) FENCE TO BE REMOVED
	(E) FENCE TO REMAIN
	(P) FENCE
	VINEYARD LIMIT
	CONSTRUCTION ACCESS
	EXCLUSIONARY FENCING
	WATER LINE
	IRRIGATION LINE
	(N) STORM DRAIN CULVERT
	(E) STORM DRAIN CULVERT
	PG&E--RELOCATED OVERHEAD ELECTRICAL
	(E) OVERHEAD ELECTRICAL
	(E) UNDERGROUND ELECTRICAL
	DESIGN GRADE CONTOUR LINE
	(E) CONTOUR LINE
	UTILITY DEMOLITION
	NATIVE (ONSITE FILL), COMPACT AS NOTED
	EXISTING GROUND (SECTION VIEW)
	EXCAVATION (SECTION AND PLAN VIEW)
	ROCK MATERIALS (SIZE AS NOTED)
	LIVE POLE PLANTING
	BRUSH MAT
	STAGING AREA
	CULTURAL RESOURCES SOILS
	VEGETATION MANAGEMENT ZONE
	PROPOSED ROAD

	BOULDER FIELD
	BOULDER CLUSTER
	WILLOW BAFFLE
	HABITAT LOG STRUCTURE
	TOPPLE WOOD STRUCTURE
	TREE HABITAT STRUCTURE
	LIVE POLE HABITAT STRUCTURE
	UPLAND BRUSH PILE
	WATER VALVE
	WELL CASING
	JOINT POLE WITH GUY
	MANHOLE
	TREE
	FLOW DIRECTION
	DRAINAGE/ FLOW DIRECTION
	CONTROL POINT
	CONTROL POINT NUMBER
	CONTROL POINT ELEVATION



PLOT DATE: 11/7/2019 6:51 PM
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FILE: K:\PROJECTS\2012\120076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\2 ABBREVIATIONS & SYMBOLS.DWG

 515 Henry Street Suite 800 Oakland, CA 94612 415.832.2300	DRAWN: JORGEN BLOMBERG, LANE WADE DESIGNED: JORGEN BLOMBERG, ANNE BERGONDOVO IN CHARGE: ANNE BERGONDOVO
	PROJECT: NAPA RIVER RESTORATION PROJECT OAKVILLE TO OAK KNOLL REACH - GROUP D (PHASE 1 AND PHASE 2)
ABBREVIATIONS & SYMBOLS	
COUNTY OF NAPA - PUBLIC WORKS NAPA COUNTY DEPARTMENT OF PUBLIC WORKS 1195 THIRD ST, SUITE 101 NAPA, CA 94549	REVIEWER: XXX XXX, PE APPROVAL RECOMMENDED: XXX XXX, PE APPROVED: XXX XXX, PE DATE:
DATE: 10/2019 COUNTY PROJECT NO.: PW XX-XX SPECIFICATION NO.: PW XX-XX SHEET NO.: 2 OF 67 DWG NO.: G-02	SCALE: AS SHOWN



DEFINITIONS

DESIGN ENGINEER:

ESA
550 KEARNY STREET
SUITE 800
SAN FRANCISCO, CA 94108
PH: (415) 896-5900
CONTACT: JORGEN BLOMBERG

COUNTY:

NAPA COUNTY – FLOOD CONTROL & WATER
CONSERVATION DISTRICT

804 FIRST STREET
NAPA, CA 94559
PH: (707) 259-8671
CONTACT: ANDREW BUTLER

LANDOWNERS:

PHASE 1
SITE 10 – MILLER VINEYARDS
SITE 9 – MASSA RANCH
SITE 7 – CONSTELLATION BRANDS
SITE 4 – CONSTELLATION BRANDS
SITE 3 – CONSTELLATION BRANDS
SITE 4B – MILLER VINEYARDS

PHASE 2
SITE 4A – MILLER VINEYARDS
SITE 2B – SILVERADO PREMIUM
SITE 2A – SILVERADO PREMIUM
SITE 1 – SILVERADO PREMIUM
SITE NEVERBEND – NEVERBEND VINEYARDS

GENERAL NOTES

GENERAL

- CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE COUNTY AND ITS REPRESENTATIVES HARMLESS FROM ANY AND ALL LIABILITY, REAL AND/OR ALLEGED, IN CONJUNCTION WITH THE PERFORMANCE OF THIS PROJECT.
- UNLESS APPROVED OTHERWISE BY THE COUNTY ENGINEER, ALLOWABLE WORK HOURS ARE BETWEEN 7:00 AM AND 5:00 PM MONDAY THROUGH FRIDAY. NO WORK ON WEEKENDS OR COUNTY HOLIDAYS UNLESS APPROVED BY COUNTY ENGINEER.
- A SET OF SIGNED WORKING DRAWINGS AND A SET OF SPECIFICATIONS SHALL BE KEPT ON THE JOB SITE AT ALL TIMES ON WHICH ALL CHANGES OR VARIATIONS IN THE WORK, INCLUDING ALL EXISTING UTILITIES, ARE TO BE RECORDED AND/OR CORRECTED DAILY AND SUBMITTED TO THE COUNTY ENGINEER WHEN THE WORK TO BE DONE IS COMPLETED.
- CONTRACTOR SHALL CONTACT THE COUNTY'S DIRECTOR OF PUBLIC WORKS, OR HIS/HER DESIGNEE, TO ARRANGE A PRE-CONFERENCE FOR THE PURPOSE OF REVIEWING JOB REQUIREMENTS AND COUNTY PROCEDURE BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES.
- ALL MATERIAL SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- ALL WORKMANSHIP AND MATERIALS FOR BOTH ON-SITE AND OFF-SITE IMPROVEMENTS SHALL CONFORM TO THE LATEST EDITION OF THE COUNTY OF NAPA PUBLIC WORKS DEPARTMENT ROAD AND STREET STANDARDS AND THE 2006 EDITION OF THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS AND STANDARD PLANS. THE ON-SITE IMPROVEMENTS SHALL BE INSPECTED BY THE COUNTY PUBLIC WORKS INSPECTORS.
- CONTRACTOR SHALL NOTIFY THE COUNTY OF NAPA DIRECTOR OF PUBLIC WORKS OR HIS DESIGNATED REPRESENTATIVE AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF ANY PART OF WORK.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN SUFFICIENT TEMPORARY BARRICADES TO PROVIDE FOR THE SAFETY OF THE STAFF AND GENERAL PUBLIC TO THE SATISFACTION OF THE PUBLIC WORKS DIRECTOR.
- OWNER'S REPRESENTATIVE IS THE SAME AS COUNTY'S REPRESENTATIVE IN THESE DRAWINGS AND SPECIFICATIONS.

PROTECTION OF EXISTING CONDITIONS

- CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING VEGETATION, STRUCTURES, ACCESS ROADS, AND UTILITIES DURING CONSTRUCTION.
- PROTECT ALL EXISTING IMPROVEMENTS AND VEGETATION NOT SLATED FOR DEMOLITION. PLACE TEMPORARY FENCING, FLAGGING OR EQUIVALENT AT PERIMETER OF ALL VEGETATED AREAS AND/OR INDIVIDUAL TREES TO BE PRESERVED, AND ANY OTHER IMPROVEMENTS ON-SITE.
- PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL REVIEW ALL TREE AND OTHER PROTECTION FENCING WITH THE OWNER'S REPRESENTATIVE, AND FIELD ADJUST THE LIMITS AS DIRECTED.
- EXCESS ITEMS OR MATERIALS FROM DEMOLITION AND CLEARING ACTIVITIES WILL BE DOCUMENTED BY THE COUNTY ENGINEER AND OFFERED TO THE LANDOWNER AND COUNTY. IF THE LANDOWNER AND COUNTY DECLINE TO TAKE POSSESSION OF SAID MATERIALS, THE EXCESS ITEMS OR MATERIAL WILL BECOME THE CONTRACTOR'S PROPERTY AND MUST BE COMPLETELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF PRIOR TO FINAL DEMOBILIZATION.

UTILITIES

- CONTRACTOR SHALL NOTIFY ALL PUBLIC AND PRIVATE UTILITY COMPANIES 48 HOURS PRIOR TO COMMENCEMENT OF WORK ADJACENT TO EXISTING UTILITY LINES.
- CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) AT 1-800-227-2600 48 HOURS BEFORE COMMENCING GROUND DISTURBING ACTIVITIES.
- LOCATIONS OF UTILITIES AND FACILITIES SHOWN ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY. CONTRACTOR SHALL COORDINATE WITH APPLICABLE UTILITIES AND SHALL ENLIST THE SERVICES OF AN UNDERGROUND UTILITY LOCATOR AS NEEDED FOR FIELD LOCATION.
- CONTRACTOR SHALL FIELD LOCATE AND POTHOLE ALL EXISTING UTILITIES AS NEEDED FOR VERIFICATION ONE WEEK PRIOR TO COMMENCING WORK IN THE AREA. CONFLICTS OR DISCREPANCIES BETWEEN UTILITY LOCATIONS AND THE DRAWINGS SHALL BE IDENTIFIED AND SUMMARIZED IN A NOTIFICATION TO THE COUNTY ENGINEER.
- CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES THROUGHOUT CONSTRUCTION.
- IRRIGATION LINE LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE PRIOR TO REMOVAL.

ENVIRONMENTAL PROTECTION

- CONTRACTOR SHALL CONDUCT ALL GRADING OPERATIONS IN SUCH A MANNER AS TO PRECLUDE WIND BLOWN DIRT AND DUST AND RELATED DAMAGE TO NEIGHBORING PROPERTIES, VINEYARDS, AND VINEYARD OPERATIONS. CONFIRM PREFERRED DUST CONTROL METHOD WITH LANDOWNER OR REPRESENTATIVE PRIOR TO INITIATING DUST CONTROL MEASURES, MOBILIZATION, OR GRADING ACTIVITIES. SUFFICIENT WATERING TO CONTROL DUST IS REQUIRED AT ALL TIMES.
- CONTRACTOR SHALL ASSUME LIABILITY FOR CLAIMS RELATED TO WIND BLOWN MATERIAL. IF THE DUST CONTROL IS INADEQUATE AS DETERMINED BY THE PUBLIC WORKS DIRECTOR OR HIS DESIGNATED REPRESENTATIVE, THE CONSTRUCTION WORK SHALL BE TERMINATED UNTIL CORRECTIVE MEASURES ARE TAKEN. CONTRACTOR SHALL MEET THE STANDARDS OF THE CAL-EPA AIR RESOURCES BOARD OR A STANDARD OF "NO VISIBLE PARTICULATES", WHICHEVER IS STRICTER.
- CONTRACTOR SHALL ELIMINATE OR MINIMIZE NON-STORM DISCHARGE FROM THE CONSTRUCTION SITE TO STORM DRAINS AND OTHER WATER BODIES. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN A MANNER THAT MINIMIZES, TO THE MAXIMUM EXTENT PRACTICABLE, ANY POLLUTANTS ENTERING DIRECTLY OR INDIRECTLY INTO GROUNDWATER. ALL MATERIALS THAT COULD CAUSE WATER POLLUTION (I.E., MOTOR OIL, FUELS, PAINTS, ETC.) SHALL BE STORED AND USED IN A MANNER THAT WILL NOT CAUSE ANY POLLUTION. ALL DISCARDED MATERIAL AND ANY ACCIDENTAL SPILLS SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED DISPOSAL SITE.
- CONTRACTOR SHALL PROVIDE TO THE PUBLIC WORKS DEPARTMENT ANY CHANGES PROPOSED FOR THE PROJECT'S EROSION CONTROL PLAN AND SHALL PROVIDE A SCHEDULE FOR IMPLEMENTATION OF CONTROL MEASURES. CONTRACTOR SHALL MEET WITH COUNTY PUBLIC WORKS STAFF PRIOR TO OCTOBER 1 TO REVIEW STATUS OF PROJECT'S EROSION CONTROL AND WATER POLLUTION MEASURES.
- CONTRACTOR SHALL SUBMIT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) THAT PROVIDES, AT A MINIMUM, THE FINAL EROSION CONTROL MEASURES SHOWN ON SHEETS EC-01 THROUGH EC-05 AS WELL AS SUFFICIENT PROTECTION MEASURES DURING CONSTRUCTION. THE SWPPP SHALL COMPLY WITH THE NEW CONSTRUCTION GENERAL STORMWATER PERMIT (2009-0009-DWQ AS AMENDED BY 2010-0014 AND 2012-0006-DWQ). CONTRACTOR SHALL MAINTAIN A COPY OF THE SWPPP ONSITE AT ALL TIMES, AND SHALL UPDATE THE SWPPP REGULARLY AS NEEDED TO RESPOND TO SITE CONDITIONS.
- THE CONTRACTOR SHALL IMPLEMENT AND UTILIZE BEST MANAGEMENT PRACTICES TO PREVENT EROSION, SEDIMENT, AND HAZMAT RUNOFF FROM THE CONSTRUCTION SITE.
- THE PROJECT INCLUDES WORK IN AND ADJACENT TO THE ACTIVE CHANNEL (NAPA RIVER). THE COUNTY HAS OBTAINED PERMITS FROM RESOURCE AGENCIES FOR THIS PROJECT (SEE SPECIFICATIONS). COMPLY WITH ALL PERMIT REQUIREMENTS FOR PROTECTION OF WATER QUALITY, WILDLIFE, AND VEGETATION. COOPERATE WITH THE ACTIVITIES OF THE COUNTY'S BIOLOGIST AND COMPLY WITH ALL REQUIRED NOTIFICATIONS.
- PRIOR TO COMMENCING CLEARING AND GRUBBING ACTIVITIES, INSTALL EXCLUSIONARY FENCING (SILT FENCE) AROUND THE GRADING LIMITS AND ALONG THE ACTIVE CHANNEL BANK (AT THE WATER LINE).
- DURING INITIAL CLEARING AND GRUBBING AND ANY SUBSEQUENT VEGETATION CLEARING, THE COUNTY SHALL PROVIDE AN ONSITE MONITOR TO CONFIRM THAT THE GRADING LIMITS ARE CLEAR OF CALIFORNIA RED-LEGGED FROG, PACIFIC CHORUS FROG, CALIFORNIA NEWT, NORTHWESTERN POND TURTLE, DUSKY-FOOTED WOODRAT, PALLID BAT, TOWNSEND'S BIG-EARED BAT, SWAINSON'S HAWK, CENTRAL COAST STEELHEAD, CHINOOK SALMON, AND OTHER PROTECTED WILDLIFE AS INDICATED BY THE PROJECT BIOLOGIST. THE CONTRACTOR SHALL REQUEST THE PRESENCE OF THE ONSITE BIOLOGICAL MONITOR ONE WEEK PRIOR TO VEGETATION CLEARING OR DISTURBANCE IN EACH WORK AREA (SEE SPECIFICATIONS).
- NO WORK SHALL BE COMPLETED IN THE WETTED PORTION OF THE CHANNEL UNTIL APPROVED IN ADVANCE (24 HOURS) BY THE COUNTY ENGINEER.
- PRIOR TO COMMENCING WORK IN THE WETTED PORTION OF THE CHANNEL, INCLUDING COFFER DAM AND ISOLATION CONSTRUCTION, THE COUNTY SHALL PROVIDE AN ONSITE BIOLOGICAL MONITOR (PROJECT BIOLOGIST) TO ISOLATE THE WORK AREA WITH AQUATIC FENCING, REMOVE AND RELOCATE AQUATIC SPECIES, CONFIRM THAT THE GRADING LIMITS ARE CLEAR OF CALIFORNIA RED-LEGGED FROG, PACIFIC CHORUS FROG, CALIFORNIA NEWT, NORTHWESTERN POND TURTLE, CENTRAL COAST STEELHEAD, CHINOOK SALMON, AND OTHER PROTECTED WILDLIFE AS INDICATED BY THE PROJECT BIOLOGIST AND OBSERVE ALL WORK IN THE WETTED PORTION OF THE CHANNEL. THE CONTRACTOR SHALL REQUEST THE PRESENCE OF THE ONSITE BIOLOGICAL MONITOR ONE WEEK PRIOR TO COMMENCING WORK IN THE WETTED PORTION OF THE CHANNEL (SEE SPECIFICATIONS).
- WORK IN THE WETTED PORTION OF THE CHANNEL SHALL ONLY COMMENCE WHEN THE AREA HAS BEEN COMPLETELY ISOLATED FROM THE LIVE STREAM WITH COFFER DAM GRAVELS AND OTHER MATERIALS (VISQUEEN, SILT CURTAIN, ETC) TO ELIMINATE THE TRANSPORT OF SILT AND SEDIMENT FROM WORK AREAS TO THE ADJACENT CHANNEL SEGMENTS. A MAXIMUM OF 300 FEET OF CHANNEL CAN BE DEWATERED AT ANY TIME.
- THE CONTRACTOR SHALL PROTECT AQUATIC EXCLUSIONARY FENCING FROM CONSTRUCTION EQUIPMENT AND DAMAGE AND MAKE NECESSARY REPAIRS AS DETERMINED BY THE PROJECT BIOLOGIST.
- UPON COMPLETION OF WORK IN THE WETTED PORTION OF THE CHANNEL THE CONTRACTOR SHALL REMOVE ALL COFFER DAM MATERIALS FROM THE CHANNEL.

CULTURAL RESOURCES

- THE CONTRACTOR SHALL NOTIFY THE COUNTY AND OWNER IMMEDIATELY IF CULTURAL RESOURCES ARE ENCOUNTERED DURING EXCAVATION FOR ANY PHASE OF THE PROJECT, AND THAT PORTION OF WORK SHALL BE HALTED UNTIL A CULTURAL RESOURCE CONSULTANT HAS EVALUATED THE SITUATION.

TRAFFIC CONTROL

- ALL TRAFFIC CONTROL REQUIRED FOR CONSTRUCTION ACTIVITIES SHALL CONFORM TO THE REQUIREMENTS OF THE 2006 EDITION OF THE CALTRANS TRAFFIC MANUAL AND THE REQUIREMENTS OF THE NAPA COUNTY ROADS DIVISION. FOR ALL LANE CLOSURES AND DETOURS, A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE COUNTY OF NAPA FOR REVIEW AND APPROVAL AT LEAST FIVE (5) WORKING DAYS BEFORE THE SCHEDULED CLOSURE.


TOPOGRAPHIC DATA AND MAPPING

- THE TOPOGRAPHY SHOWN IS BASED ON NAPA COUNTY LIDAR AND GROUND BASED SURVEY PERFORMED BY LACO ASSOCIATES (2019).
- THE EXISTING GRADE REFLECTS SITE CONDITIONS AT THE TIME OF THE SURVEY. CONTRACTOR SHOULD VERIFY GRADES PRIOR TO COMMENCING WORK AND SHALL REPORT ANY DISCREPANCY BETWEEN DESIGN DRAWINGS AND FIELD CONDITIONS IMMEDIATELY TO THE COUNTY. THE CONTRACTOR SHALL NOT COMMENCE WITH GRADING UNTIL THE DISCREPANCY IS RESOLVED UNLESS DIRECTED OTHERWISE BY THE COUNTY.
- HORIZONTAL COORDINATES ARE REFERENCED TO THE CALIFORNIA COORDINATE STATE PLANE SYSTEM ZONE II, NAD 1983, EPOCH DATE OF 1991.35 WITH VERTICAL CONTROL ELEVATIONS REFERENCED NAVD88. ALL DIMENSIONS SHOWN IN FEET AND DECIMALS THEREOF.
- CONTRACTOR SHALL VERIFY AND CHECK EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL VERIFY LOCATIONS, LEVELS, DISTANCES, AND FEATURES THAT MAY AFFECT THE WORK. SHOULD EXISTING CONDITIONS DIFFER FROM THOSE SHOWN OR INDICATED, OR IF IT APPEARS THAT THESE DRAWINGS, STANDARD SPECIFICATIONS, AND SPECIAL PROVISIONS DO NOT ADEQUATELY DETAIL THE WORK TO BE DONE, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONTINUING WITH ANY RELATED WORK. NO ALLOWANCE WILL BE MADE IN HIS/HER BEHALF FOR ANY EXTRA EXPENSE RESULTING FROM FAILURE OR NEGLECT IN DETERMINING THE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. NOTED DIMENSION SHALL TAKE PRECEDENCE OVER SCALE.

- PARCEL LINES ARE APPROXIMATE AND DO NOT REPRESENT LEGAL PROPERTY BOUNDARIES. PARCEL LINES ARE USED TO DELINEATE DIFFERENT VINEYARD PROPERTIES FOR PLANNING PURPOSES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING THE LEGAL PROPERTY BOUNDARY AND CONFIRMING WITH COUNTY PRIOR TO COMMENCING WORK.

EARTHWORK

- RESTORE ALL DISTURBED AREAS BY SEEDING AND APPLYING EROSION CONTROL MEASURES PER THE DRAWINGS AND SPECIFICATIONS. RESTORE ALL ACCESS ROUTES TO ORIGINAL GRADES AND CONDITIONS OR AS DESCRIBED IN THE DRAWINGS AND SPECIFICATIONS.
- ALL DISTURBED AREAS NOT IDENTIFIED TO RECEIVE EROSION CONTROL MEASURES SHALL BE SEEDED WITH AN APPROVED EROSION CONTROL SEED MIX.
- SEGREGATE AND MANAGE EXCAVATED MATERIALS AS NEEDED TO MEET THE SPECIFIED FILL TYPES FOR PLANTING TOPSOIL, VINEYARD TOPSOIL, AND NATIVE ALLUVIUM. CONTRACTOR SHALL IMMEDIATELY NOTIFY COUNTY IF THERE IS A QUANTITY SHORTFALL IN ANY OF THE SPECIFIED FILL TYPES.
- CONTRACTOR SHALL INSTALL GRADE STAKES DURING GRADING ACTIVITIES TO FACILITATE COUNTY REVIEW AND GRADE CHECKING (SEE SPECIFICATIONS).
- ALL EXCAVATED AREAS SHALL BE OVER-EXCAVATED BY 6 INCHES AND BACKFILLED WITH A 6 INCH LAYER OF PLANTING TOPSOIL, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- FOLLOWING FINAL ACCEPTANCE OF GRADING, PERFORM SEEDING AND IMPLEMENT EROSION CONTROL AS SHOWN ON THE DRAWINGS, DESCRIBED IN THE TECHNICAL SPECIFICATIONS, AND AS NEEDED FOR SWPPP COMPLIANCE.



550 Kearny Street
Suite 800
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415.896.5900

DESIGNED: JORGEN BLOMBERG, ANK BERGONDOVO
DRAWN: GREG WESSMANN, LAKE WADE
IN CHARGE: JORGEN BLOMBERG, SCOTT SMITH
ANK BERGONDOVO C03102

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: DEFINITIONS & GENERAL NOTES

COUNTY OF NAPA - PUBLIC WORKS

NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549



A Tradition of Stewardship
A Commitment to Service

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

SPECIFICATION NO.: PW XX-XX

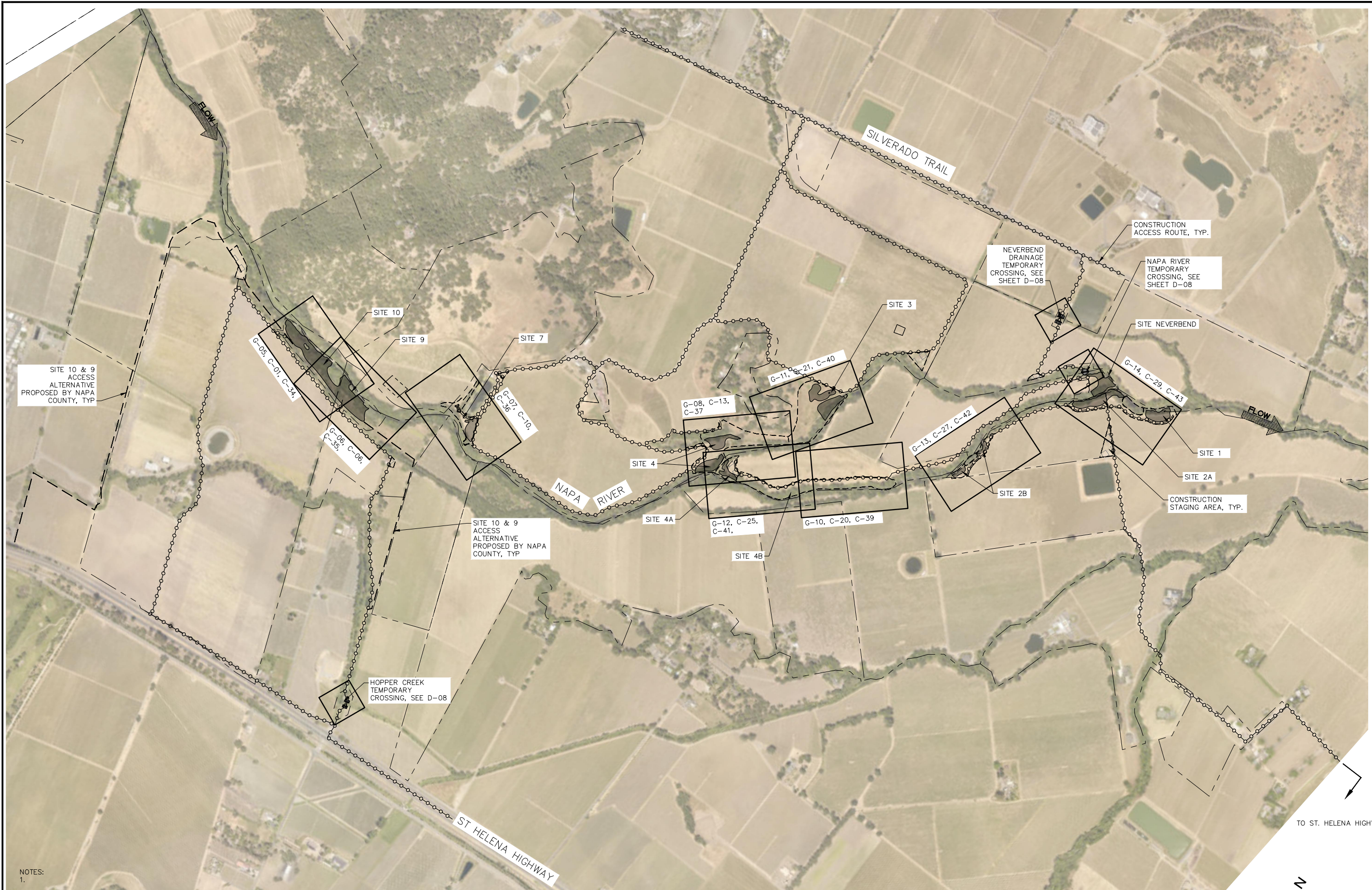
SHEET NO.: 3 OF 67

DWG NO.: G-03



**DRAFT 65%
NOT FOR CONSTRUCTION**

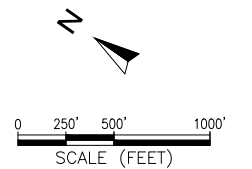
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NOTES:
1.

SITE ACCESS & KEY PLAN

PLAN VIEW SCALE: 1" = 500'



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Oakville, CA 94109
916.922.2300
FAX: 916.922.2300

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IN CHARGE: ANNE BERGONDOVO
CHECKED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
DRAWN BY: GREG WESSMANN, LANCE WARE

PROJECT: **NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)**

SHEET TITLE: **SITE ACCESS & KEY PLAN**

COUNTY OF NAPA - PUBLIC WORKS

REVIEWED: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

COUNTY OF NAPA - PUBLIC WORKS

**NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS**
1195 THIRD ST, SUITE 101
NAPA, CA 94549

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

SPECIFICATION NO.: PW XX-XX

SHEET NO.: **4** OF **67**

DWG NO.: **G-04**

**DRAFT 65%
NOT FOR CONSTRUCTION**

TREE	SPECIES	NOTES
401	5" NS COLO	SALVAGE
402	6" NS COLO	SALVAGE
403	9" COLO	SALVAGE
408	6" NS COLO	SALVAGE
409	5" NS COLO	SALVAGE
410	5" NS COLO	SALVAGE
411	9" COLO	SALVAGE
412	9" COLO	SALVAGE
413	5" NS COLO	SALVAGE
414	5" NS COLO	SALVAGE
415	6" NS COLO	SALVAGE
416	8" COLO	SALVAGE
417	6" COLO	SALVAGE
418	6" COLO	SALVAGE
419	6" COLO	SALVAGE
420	5" NS COLO	SALVAGE
421	5" NS COLO	SALVAGE
422	7" NS COLO	SALVAGE
423	6" COLO	SALVAGE
424	6" COLO	SALVAGE
425	7" COLO	SALVAGE
426	5" NS COLO	SALVAGE
427	6" COLO	SALVAGE
428	6" COLO	SALVAGE
429	6" COLO	SALVAGE
430	7" COLO	SALVAGE
431	6" NS COLO	SALVAGE
432	5" NS COLO	SALVAGE
433	8" NS COLO	SALVAGE
434	23" NS COLO	SALVAGE
435	12" COLO	SALVAGE
436	32" NCBW	SALVAGE
437	5" NS COLO	SALVAGE
438	31" VAOA	SALVAGE
439	6" COLO	SALVAGE
440	7" NS COLO	SALVAGE
441	9" COLO	SALVAGE
442	6" NS COLO	SALVAGE
443	10" COLO	SALVAGE

TREE	SPECIES	NOTES
444	5" NS COLO	SALVAGE
462	6" COLO	SALVAGE
463	7" COLO	SALVAGE
464	7" COLO	SALVAGE
465	8" NS COLO	SALVAGE
466	6" COLO	SALVAGE
467	7" NS COLO	SALVAGE
468	35" NS NCBW	SALVAGE
469	37" COLO	SALVAGE
470	22" COLO	SALVAGE
471	7" COLO	SALVAGE
472	7" NS COLO	SALVAGE
473	9" NS COLO	SALVAGE
474	6" NS COLO	SALVAGE
475	6" NS COLO	SALVAGE
478	5" NS COLO	SALVAGE
479	6" COLO	SALVAGE
480	6" NS COLO	SALVAGE
481	12" NS COLO	SALVAGE
482	5" NS COLO	SALVAGE
483	10" COLO	SALVAGE
484	16" COLO	SALVAGE
485	16" NS COLO	SALVAGE
486	7" NS COLO	SALVAGE
494	7" NS COLO	SALVAGE
495	5" NS COLO	SALVAGE
496	5" NS COLO	SALVAGE
497	8" COLO	SALVAGE
498	7" NS COLO	SALVAGE
499	7" NS VAOA	SALVAGE
500	7" NS VAOA	SALVAGE

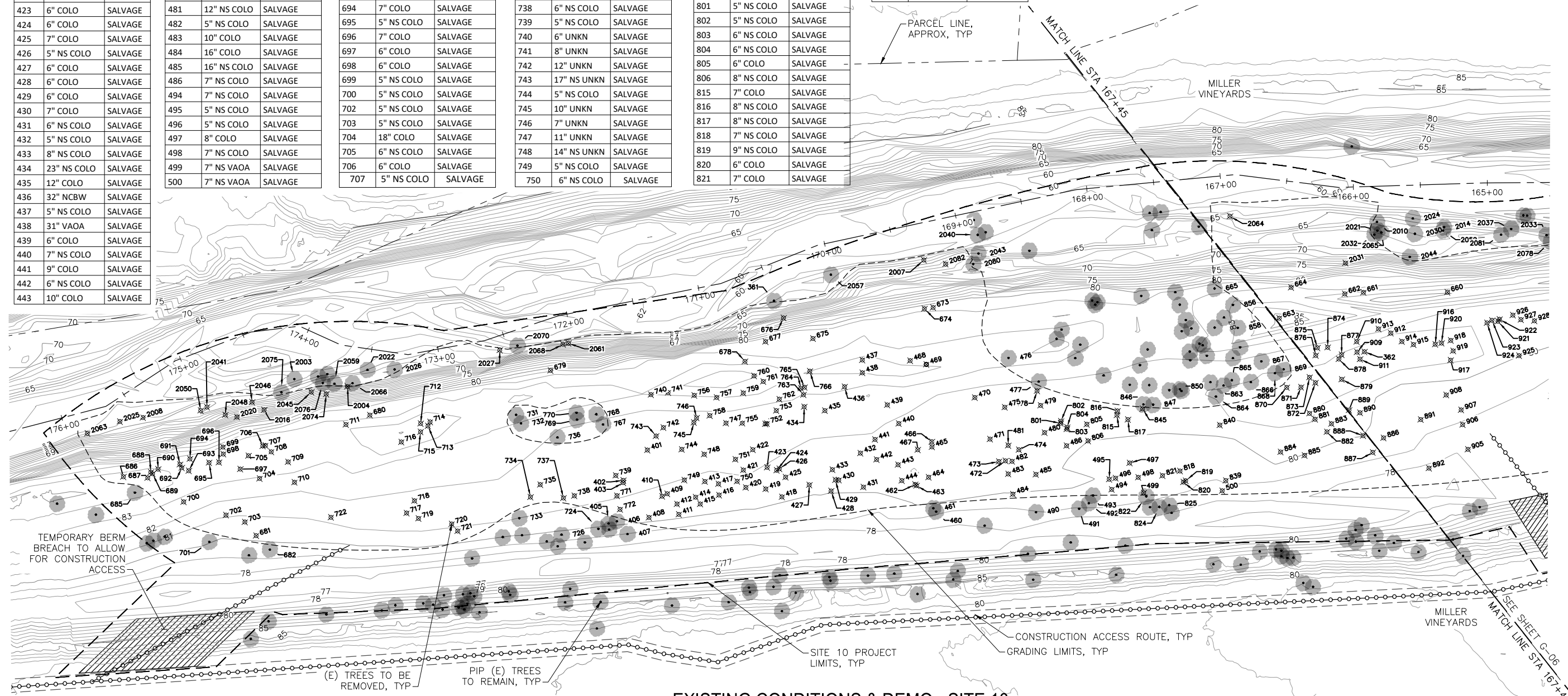
TREE	SPECIES	SALVAGE
663	15" NS NCBW	SALVAGE
673	20" NCBW	SALVAGE
674	11" NCBW	SALVAGE
675	13" BLAC	SALVAGE
676	6" NS BLAC	SALVAGE
677	14" NCBW	SALVAGE
678	15" NCBW	SALVAGE
679	12" ORAH	SALVAGE
680	12" NCBW	SALVAGE
681	5" NS COLO	SALVAGE
686	5" NS COLO	SALVAGE
687	7" COLO	SALVAGE
688	6" COLO	SALVAGE
689	7" COLO	SALVAGE
690	7" COLO	SALVAGE
691	5" NS COLO	SALVAGE
692	6" COLO	SALVAGE
693	8" COLO	SALVAGE
694	7" COLO	SALVAGE
695	5" NS COLO	SALVAGE
696	7" COLO	SALVAGE
697	6" COLO	SALVAGE
698	6" COLO	SALVAGE
699	5" NS COLO	SALVAGE
700	5" NS COLO	SALVAGE
702	5" NS COLO	SALVAGE
703	5" NS COLO	SALVAGE
704	18" COLO	SALVAGE
705	6" NS COLO	SALVAGE
706	6" COLO	SALVAGE
707	5" NS COLO	SALVAGE

TREE	SPECIES	NOTES
708	5" NS COLO	SALVAGE
709	6" COLO	SALVAGE
710	7" COLO	SALVAGE
711	10" EUCA	SALVAGE
712	11" EUCA	SALVAGE
713	29" EUCA	SALVAGE
714	16" NCBW	SALVAGE
715	14" EUCA	SALVAGE
716	11" NS EUCA	SALVAGE
717	5" NS COLO	SALVAGE
718	5" NS COLO	SALVAGE
719	5" NS COLO	SALVAGE
720	5" NS COLO	SALVAGE
721	6" COLO	SALVAGE
722	6" COLO	SALVAGE
734	5" NS COLO	SALVAGE
735	5" NS COLO	SALVAGE
737	8" NS COLO	SALVAGE
738	6" NS COLO	SALVAGE
739	5" NS COLO	SALVAGE
740	6" UNKN	SALVAGE
741	8" UNKN	SALVAGE
742	12" UNKN	SALVAGE
743	17" NS UNKN	SALVAGE
744	5" NS COLO	SALVAGE
745	10" UNKN	SALVAGE
746	7" UNKN	SALVAGE
747	11" UNKN	SALVAGE
748	14" NS UNKN	SALVAGE
749	5" NS COLO	SALVAGE
750	6" NS COLO	SALVAGE

TREE	SPECIES	NOTES
751	8" UNKN	SALVAGE
752	6" UNKN	SALVAGE
753	6" UNKN	SALVAGE
754	5" NS UNKN	SALVAGE
755	5" NS UNKN	SALVAGE
756	12" UNKN	SALVAGE
757	75" EUCA	SALVAGE
758	14" UNKN	SALVAGE
759	10" NS UNKN	SALVAGE
760	6" UNKN	SALVAGE
761	12" UNKN	SALVAGE
762	19" UNKN	SALVAGE
763	14" NS UNKN	SALVAGE
764	11" UNKN	SALVAGE
765	7" UNKN	SALVAGE
766	12" UNKN	SALVAGE
771	6" COLO	SALVAGE
772	7" COLO	SALVAGE
801	5" NS COLO	SALVAGE
802	5" NS COLO	SALVAGE
803	6" NS COLO	SALVAGE
804	6" NS COLO	SALVAGE
805	6" COLO	SALVAGE
806	8" NS COLO	SALVAGE
815	7" COLO	SALVAGE
816	8" NS COLO	SALVAGE
817	8" NS COLO	SALVAGE
818	7" NS COLO	SALVAGE
819	9" NS COLO	SALVAGE
820	6" COLO	SALVAGE
821	7" COLO	SALVAGE

TREE	SPECIES	NOTES
839	5" NS COLO	SALVAGE
840	5" NS COLO	SALVAGE
845	7" COLO	SALVAGE
870	12" FRCO	SALVAGE
871	8" NS FRCO	SALVAGE
872	7" NS COLO	SALVAGE
873	7" FRCO	SALVAGE
880	9" UNKN	SALVAGE
881	7" FRCO	SALVAGE
882	6" NS UNKN	SALVAGE
883	6" UNKN	SALVAGE
884	6" NS COLO	SALVAGE
885	9" NS COLO	SALVAGE
887	7" UNKN	SALVAGE
888	10" UNKN	SALVAGE
2004	8" ORAS	SALVAGE
2007	6" NS RDWI	SALVAGE
2008	12" NS RDWI	SALVAGE

TREE	SPECIES	NOTES
2016	6" ORAS	SALVAGE
2020	17" NS RDWI	SALVAGE
2025	10" NS RDWI	SALVAGE
2027	6" NS RDWI	SALVAGE
2041	10" RDWI	SALVAGE
2045	7" NS ORAS	SALVAGE
2046	12" NS ORAS	SALVAGE
2048	10" NCBW	SALVAGE
2050	10" ORAS	SALVAGE
2061	6" NCBW	SALVAGE
2063	12" NS ORAS	SALVAGE
2068	12" NCBW	SALVAGE
2074	6" ORAS	SALVAGE
2082	8" NS RDWI	SALVAGE

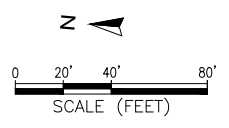


EXISTING CONDITIONS & DEMO - SITE 10

PLAN VIEW SCALE: 1" = 40'

- NOTES:
- INSTALL EXCLUSIONARY FENCING AT PROJECT LIMIT. CONFIRM PROJECT LIMIT WITH OWNER'S REPRESENTATIVE. SEE SPECIFICATIONS.
 - CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE TO CONFIRM THE LOCATION AND NUMBER OF TREES TO BE REMOVED AND SALVAGED.
 - ONLY TREES LARGER THAN 6" DBH ARE SHOWN. "NS" INDICATES A NUMEROUS TREE WITH LARGEST DIAMETER LISTED. ADDITIONAL TREES EXIST WITHIN THE GRADING LIMIT & PROJECT LIMIT THAT WILL REQUIRE REMOVAL. CONFIRM ALL TREES FOR REMOVAL WITH COUNTY REPRESENTATIVE. SEE SPECIFICATIONS.
 - PRESERVE TREES WHERE EXCAVATION IS LESS THAN 3' DEEP.

- CONTRACTOR SHALL REMOVE, SALVAGE, AND STOCKPILE ALL TREES LARGER THAN 6" DBH. CONTRACTOR SHALL RETAIN ROOTBALL CONNECTED TO TRUNK. SALVAGED TREES SHALL BE USED IN HABITAT LOG STRUCTURES AND/OR UPLAND BRUSH PILES. CONTRACTOR SHALL NOT DISPOSE OR REMOVE TREES WITHOUT APPROVAL FROM OWNER'S REPRESENTATIVE.
- DUST CONTROL REQUIRED ON ALL ACCESS ROADS.
- CONTRACTOR TO REMOVE AND DISPOSE OF ALL REMNANT PIPE NETWORK AND IRRIGATION LINES ENCOUNTERED DURING EXCAVATION WITHIN PROJECT LIMITS. CONFIRM FACILITIES TO BE REMOVED WITH OWNER.
- NO EXCAVATION OR FILL WITHIN 10' OF POWER POLES. CONTRACTOR TO STAY 10' AWAY FROM LINES WITH EQUIPMENT OR CONTACT PG&E TO DE-ENERGIZING SERVICE.



PLOT DATE: 11/7/2019 6:52 PM
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Oakville, CA 94551
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IN CHARGE: ANN BERGONDOVO
CHECKED BY: JORGEN BLOMBERG, ANN BERGONDOVO
DATE: 11/17/2019

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: EXISTING CONDITIONS & DEMO - SITE 10

COUNTY OF NAPA - PUBLIC WORKS

NAPA COUNTY DEPARTMENT OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

SPECIFICATION NO.: PW XX-XX

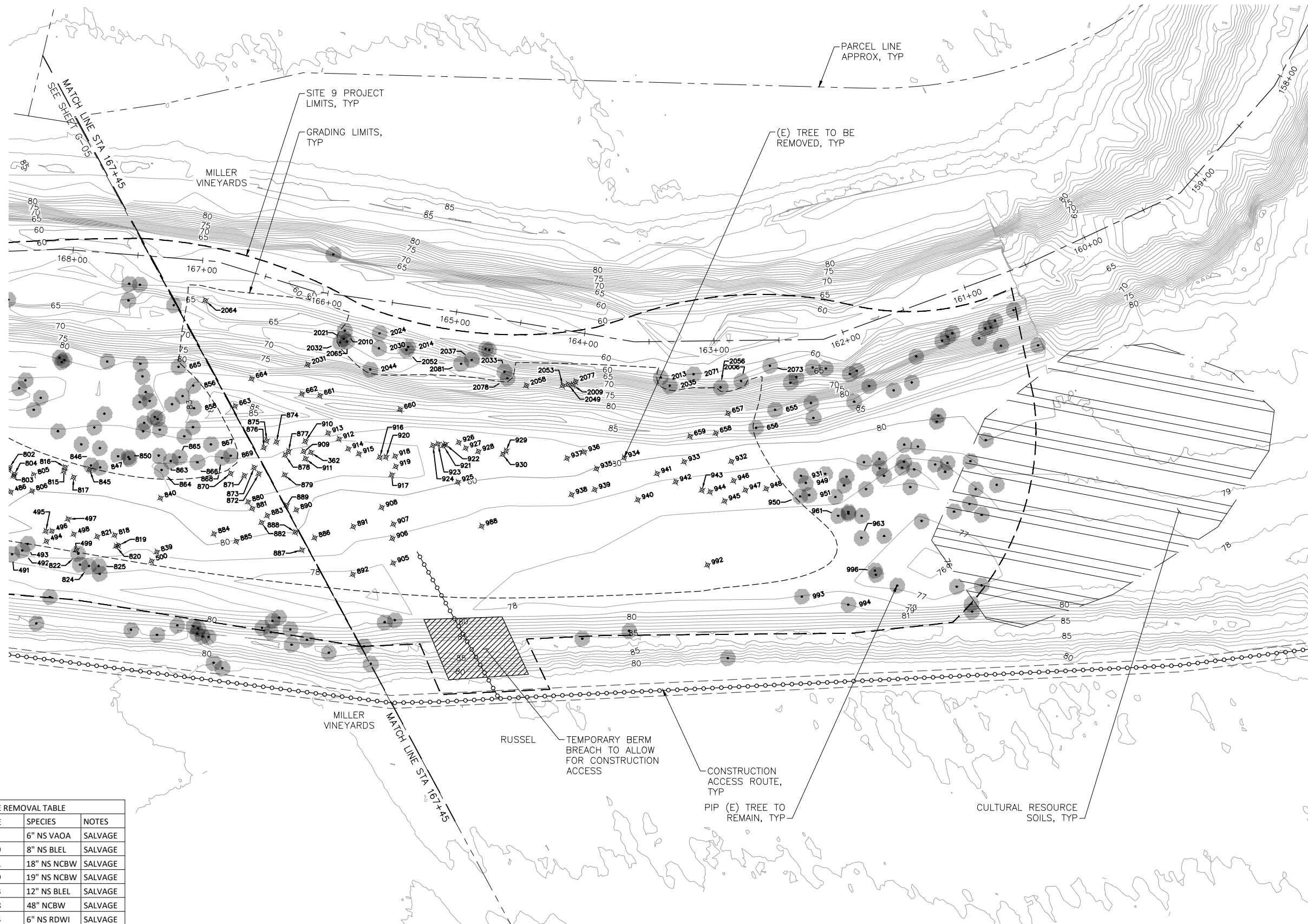
SHEET NO.: **5** OF **67**

DWG NO.: **G-05**

**DRAFT 65%
NOT FOR CONSTRUCTION**

TREE	SPECIES	NOTES
362	6" COLO	SALVAGE
657	11" ORAH	SALVAGE
658	18" NS COLO	SALVAGE
659	7" COLO	SALVAGE
660	22" NCBW	SALVAGE
661	26" NCBW	SALVAGE
662	7" NS NCBW	SALVAGE
664	8" NS BLEL	SALVAGE
874	8" NS COLO	SALVAGE
875	6" COLO	SALVAGE
876	6" VAOA	SALVAGE
877	6" VAOA	SALVAGE
878	11" COLO	SALVAGE
879	7" CASY	SALVAGE
886	6" UNKN	SALVAGE
889	5" NS COLO	SALVAGE
890	14" COLO	SALVAGE
891	5" NS COLO	SALVAGE
892	7" UNKN	SALVAGE
905	6" VAOA	SALVAGE
906	6" NS VAOA	SALVAGE
907	6" NS COLO	SALVAGE
908	8" COLO	SALVAGE
909	6" COLO	SALVAGE
910	10" VAOA	SALVAGE
911	10" VAOA	SALVAGE
912	12" NS COLO	SALVAGE
913	6" COLO	SALVAGE
914	10" VAOA	SALVAGE
915	12" COLO	SALVAGE
916	10" VAOA	SALVAGE
917	5" NS NCBW	SALVAGE
918	7" NS COLO	SALVAGE
919	5" NS COLO	SALVAGE
920	7" VAOA	SALVAGE
921	5" NS COLO	SALVAGE
922	5" NS COLO	SALVAGE
923	9" COLO	SALVAGE
924	12" VAOA	SALVAGE
925	6" NS NCBW	SALVAGE
926	6" VAOA	SALVAGE
927	6" VAOA	SALVAGE
928	20" NS COLO	SALVAGE
929	9" VAOA	SALVAGE
930	5" NS VAOA	SALVAGE
932	6" COLO	SALVAGE
933	11" NS VAOA	SALVAGE
934	12" COLO	SALVAGE
935	6" NS COLO	SALVAGE
936	7" NS COLO	SALVAGE
937	12" VAOA	SALVAGE
938	10" NS VAOA	SALVAGE
939	13" VAOA	SALVAGE
940	12" COLO	SALVAGE
941	6" NS COLO	SALVAGE
942	9" VAOA	SALVAGE
943	5" NS COLO	SALVAGE
944	5" NS COLO	SALVAGE
945	8" NS COLO	SALVAGE
946	5" NS COLO	SALVAGE
947	5" NS COLO	SALVAGE
948	7" NS COLO	SALVAGE
988	6" VAOA	SALVAGE

TREE	SPECIES	NOTES
992	6" NS VAOA	SALVAGE
2009	8" NS BLEL	SALVAGE
2031	18" NS NCBW	SALVAGE
2049	19" NS NCBW	SALVAGE
2053	5" NS COLO	SALVAGE
2058	48" NCBW	SALVAGE
2064	6" NS RDWI	SALVAGE
2077	14" NCBW	SALVAGE

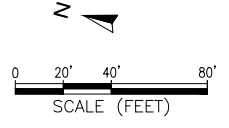


EXISTING CONDITIONS & DEMO - SITE 9

PLAN VIEW SCALE: 1" = 40'

- NOTES:
- INSTALL EXCLUSIONARY FENCING AT PROJECT LIMIT. CONFIRM PROJECT LIMIT WITH OWNER'S REPRESENTATIVE. SEE SPECIFICATIONS.
 - CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE TO CONFIRM THE LOCATION AND NUMBER OF TREES TO BE REMOVED AND SALVAGED.
 - ONLY TREES LARGER THAN 6" DBH ARE SHOWN. "NS" INDICATES A NUMEROUS TREE WITH LARGEST DIAMETER LISTED. ADDITIONAL TREES EXIST WITHIN THE GRADING LIMIT & PROJECT LIMIT THAT WILL REQUIRE REMOVAL. CONFIRM ALL TREES FOR REMOVAL WITH COUNTY REPRESENTATIVE. SEE SPECIFICATIONS.
 - PRESERVE TREES WHERE EXCAVATION IS LESS THAN 3' DEEP.

- CONTRACTOR SHALL REMOVE, SALVAGE, AND STOCKPILE ALL TREES LARGER THAN 6" DBH. CONTRACTOR SHALL RETAIN ROOTBALL CONNECTED TO TRUNK. SALVAGED TREES SHALL BE USED IN HABITAT LOG STRUCTURES AND/OR UPLAND BRUSH PILES. CONTRACTOR SHALL NOT DISPOSE OR REMOVE TREES WITHOUT APPROVAL FROM OWNER'S REPRESENTATIVE.
- DUST CONTROL REQUIRED ON ALL ACCESS ROADS.
- CONTRACTOR TO REMOVE AND DISPOSE OF ALL REMNANT PIPE NETWORK AND IRRIGATION LINES ENCOUNTERED DURING EXCAVATION WITHIN PROJECT LIMITS. CONFIRM FACILITIES TO BE REMOVED WITH OWNER.
- NO EXCAVATION OR FILL WITHIN 10' OF POWER POLES. CONTRACTOR TO STAY 10' AWAY FROM LINES WITH EQUIPMENT OR CONTACT PG&E TO DE-ENERGIZING SERVICE.



PLOT DATE: 11/7/2019 6:53 PM
LAST SAVE DATE: 11/7/2019 6:43 PM
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DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO
CHECKED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
DATE: 11/7/2019

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: EXISTING CONDITIONS & DEMO - SITE 9

COUNTY OF NAPA - PUBLIC WORKS

REVIEWER: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

NAPA COUNTY DEPARTMENT OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

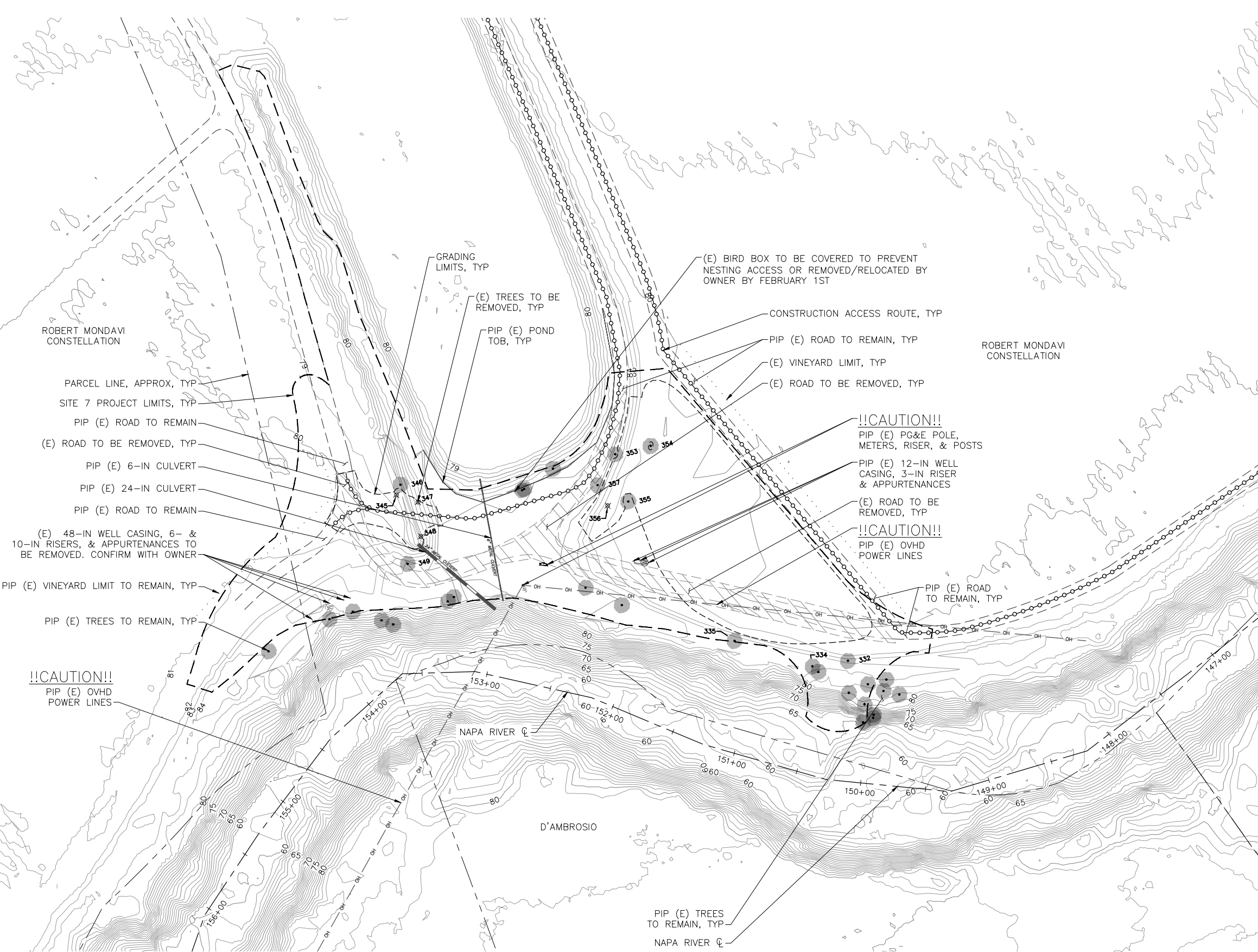
SPECIFICATION NO.: PW XX-XX

SHEET NO.: 6 OF 67

DWG NO.: G-06

**DRAFT 65%
NOT FOR CONSTRUCTION**

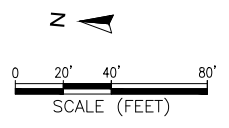
TREE REMOVAL TABLE		
TREE	SPECIES	NOTES
345	26" NCBW	SALVAGE
347	5" NS COLO	SALVAGE
348	18" COLO	SALVAGE
356	8" NS FRCO	SALVAGE



EXISTING CONDITIONS & DEMO - SITE 7
PLAN VIEW SCALE: 1" = 40'

- NOTES:
1. INSTALL EXCLUSIONARY FENCING AT PROJECT LIMIT. CONFIRM PROJECT LIMIT WITH OWNER'S REPRESENTATIVE. SEE SPECIFICATIONS.
 2. CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE TO CONFIRM THE LOCATION AND NUMBER OF TREES TO BE REMOVED AND SALVAGED.
 3. ONLY TREES LARGER THAN 6" DBH ARE SHOWN. "NS" INDICATES A NUMEROUS TREE WITH LARGEST DIAMETER LISTED. ADDITIONAL TREES EXIST WITHIN THE GRADING LIMIT & PROJECT LIMIT THAT WILL REQUIRE REMOVAL. CONFIRM ALL TREES FOR REMOVAL WITH COUNTY REPRESENTATIVE. SEE SPECIFICATIONS.
 4. PRESERVE TREES WHERE EXCAVATION IS LESS THAN 3' DEEP.

5. CONTRACTOR SHALL REMOVE, SALVAGE, AND STOCKPILE ALL TREES LARGER THAN 6" DBH. CONTRACTOR SHALL RETAIN ROOTBALL CONNECTED TO TRUNK. SALVAGED TREES SHALL BE USED IN HABITAT LOG STRUCTURES AND/OR UPLAND BRUSH PILES. CONTRACTOR SHALL NOT DISPOSE OR REMOVE TREES WITHOUT APPROVAL FROM OWNER'S REPRESENTATIVE.
6. DUST CONTROL REQUIRED ON ALL ACCESS ROADS.
7. CONTRACTOR TO REMOVE AND DISPOSE OF ALL REMNANT PIPE NETWORK AND IRRIGATION LINES ENCOUNTERED DURING EXCAVATION WITHIN PROJECT LIMITS. CONFIRM FACILITIES TO BE REMOVED WITH OWNER.
8. NO EXCAVATION OR FILL WITHIN 10' OF POWER POLES. CONTRACTOR TO STAY 10' AWAY FROM LINES WITH EQUIPMENT OR CONTACT PG&E TO DE-ENERGIZING SERVICE.



PLOT DATE: 11/7/2019 6:53 PM
LAST SAVE DATE: 11/7/2019 6:43 PM
FILE K:\PROJECTS\2012\120076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\7 EXISTING CONDITIONS.DWG

ESA
565 Henry Street
Suite 800
Oakville, CA 94109
915.932.2300
www.esa.com

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO
CHECKED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
DRAWN BY: GREG NESSMANN, LANCE WADE

PROJECT: **NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)**

SHEET TITLE: **EXISTING CONDITIONS &
DEMO - SITE 7**

COUNTY OF NAPA - PUBLIC WORKS

REVIEWED: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

**NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS**
1195 THIRD ST, SUITE 101
NAPA, CA 94549

DATE: 10/2019 SCALE: AS SHOWN

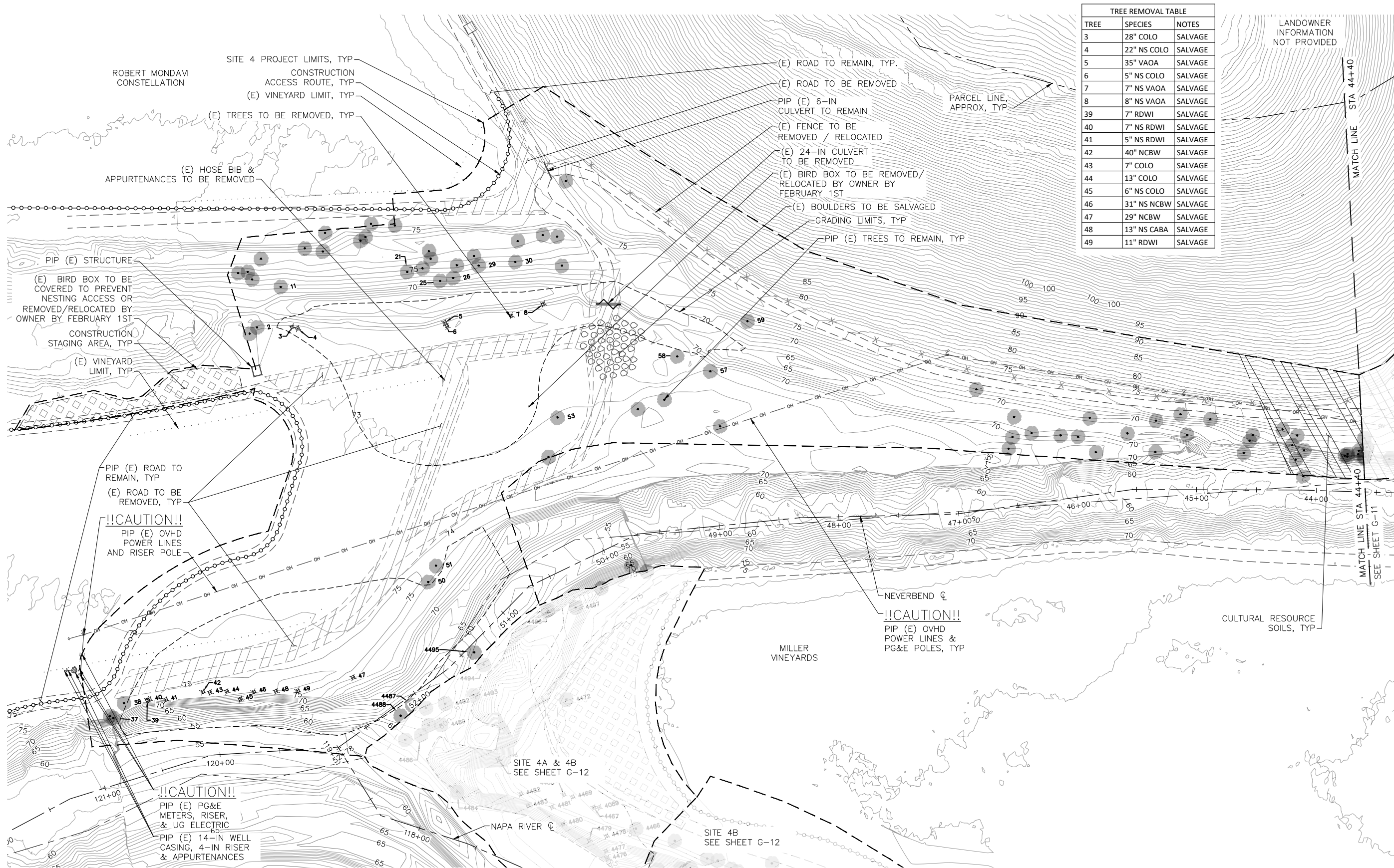
COUNTY PROJECT NO.: PW XX-XX

SPECIFICATION NO.: PW XX-XX

SHEET NO.: **7 OF 67**

DWG NO.: **G-07**

**DRAFT 65%
NOT FOR CONSTRUCTION**



TREE	SPECIES	NOTES
3	28" COLO	SALVAGE
4	22" NS COLO	SALVAGE
5	35" VAOA	SALVAGE
6	5" NS COLO	SALVAGE
7	7" NS VAOA	SALVAGE
8	8" NS VAOA	SALVAGE
39	7" RDWI	SALVAGE
40	7" NS RDWI	SALVAGE
41	5" NS RDWI	SALVAGE
42	40" NCBW	SALVAGE
43	7" COLO	SALVAGE
44	13" COLO	SALVAGE
45	6" NS COLO	SALVAGE
46	31" NS NCBW	SALVAGE
47	29" NCBW	SALVAGE
48	13" NS CABA	SALVAGE
49	11" RDWI	SALVAGE

LANDOWNER INFORMATION NOT PROVIDED



565 Henry Street
Suite 800
Oakville, CA 94109
915.932.2300
DRAWN: GREG WESSMANN, LAKE WADE
DESIGNED: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE:
**EXISTING CONDITIONS &
DEMO - SITE 4**

COUNTY OF NAPA - PUBLIC WORKS

NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549



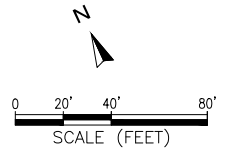
DATE: 10/2019 SCALE: AS SHOWN
COUNTRY PROJECT NO.: PW XX-XX
SPECIFICATION NO.: PW XX-XX
SHEET NO.: 8 OF 67
DWC NO.: G-08

EXISTING CONDITIONS & DEMO - SITE 4

PLAN VIEW SCALE: 1" = 40'

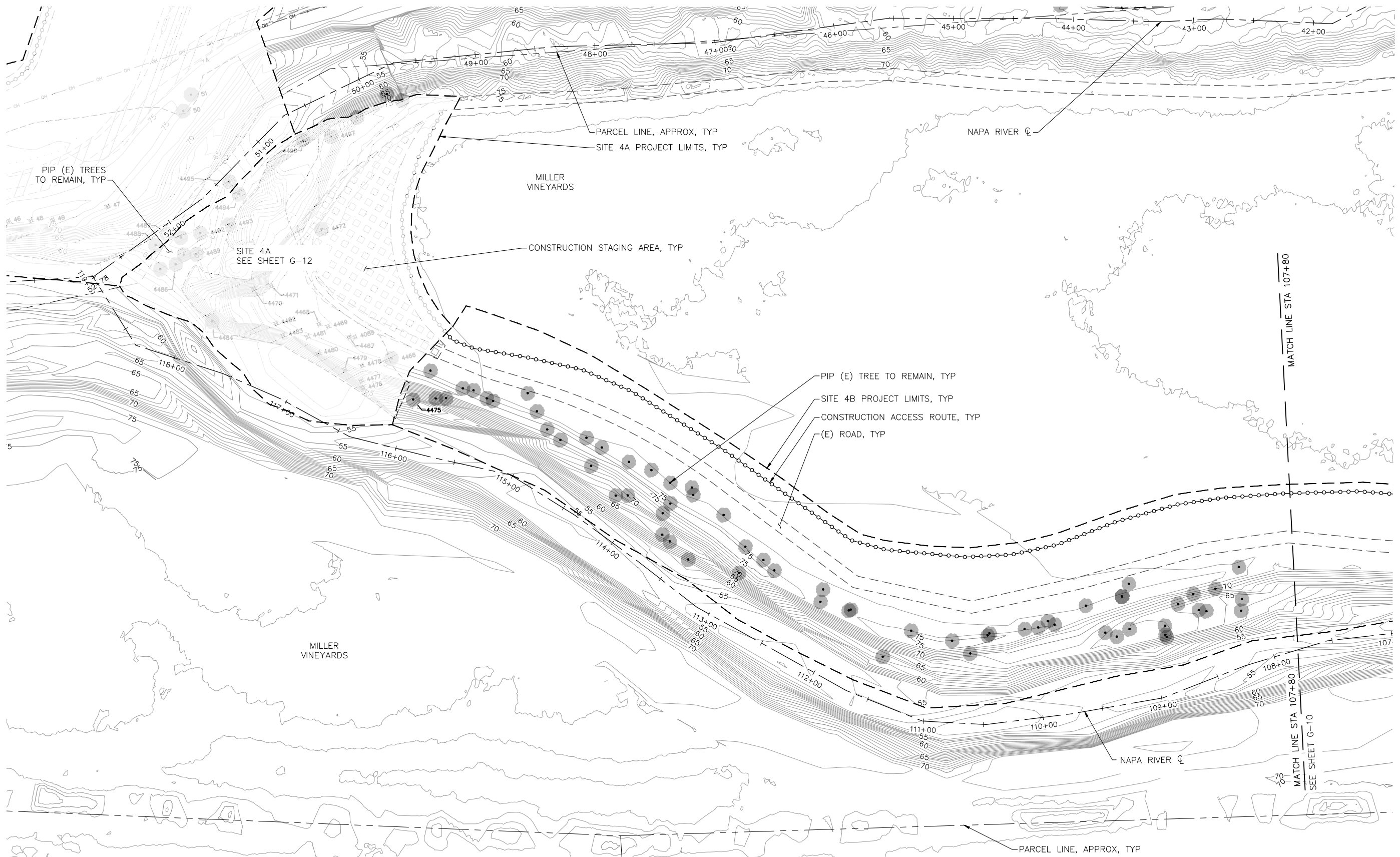
- NOTES:
1. INSTALL EXCLUSIONARY FENCING AT PROJECT LIMIT. CONFIRM PROJECT LIMIT WITH OWNER'S REPRESENTATIVE. SEE SPECIFICATIONS.
 2. CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE TO CONFIRM THE LOCATION AND NUMBER OF TREES TO BE REMOVED AND SALVAGED.
 3. ONLY TREES LARGER THAN 6" DBH ARE SHOWN. "NS" INDICATES A NUMEROUS TREE WITH LARGEST DIAMETER LISTED. ADDITIONAL TREES EXIST WITHIN THE GRADING LIMIT & PROJECT LIMIT THAT WILL REQUIRE REMOVAL. CONFIRM ALL TREES FOR REMOVAL WITH COUNTY REPRESENTATIVE. SEE SPECIFICATIONS.
 4. PRESERVE TREES WHERE EXCAVATION IS LESS THAN 3' DEEP.

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PLOT DATE: 11/7/2019 6:53 PM
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**DRAFT 65%
NOT FOR CONSTRUCTION**



EXISTING CONDITIONS & DEMO - SITE 4B
PLAN VIEW SCALE: 1" = 40'

- NOTES:
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DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO
CHECKED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
DRAWN BY: GREG WESSMANN, LANCE WADE

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: EXISTING CONDITIONS & DEMO -
SITE 4B

COUNTY OF NAPA - PUBLIC WORKS

REVIEWER: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

COUNTY OF NAPA - PUBLIC WORKS

NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

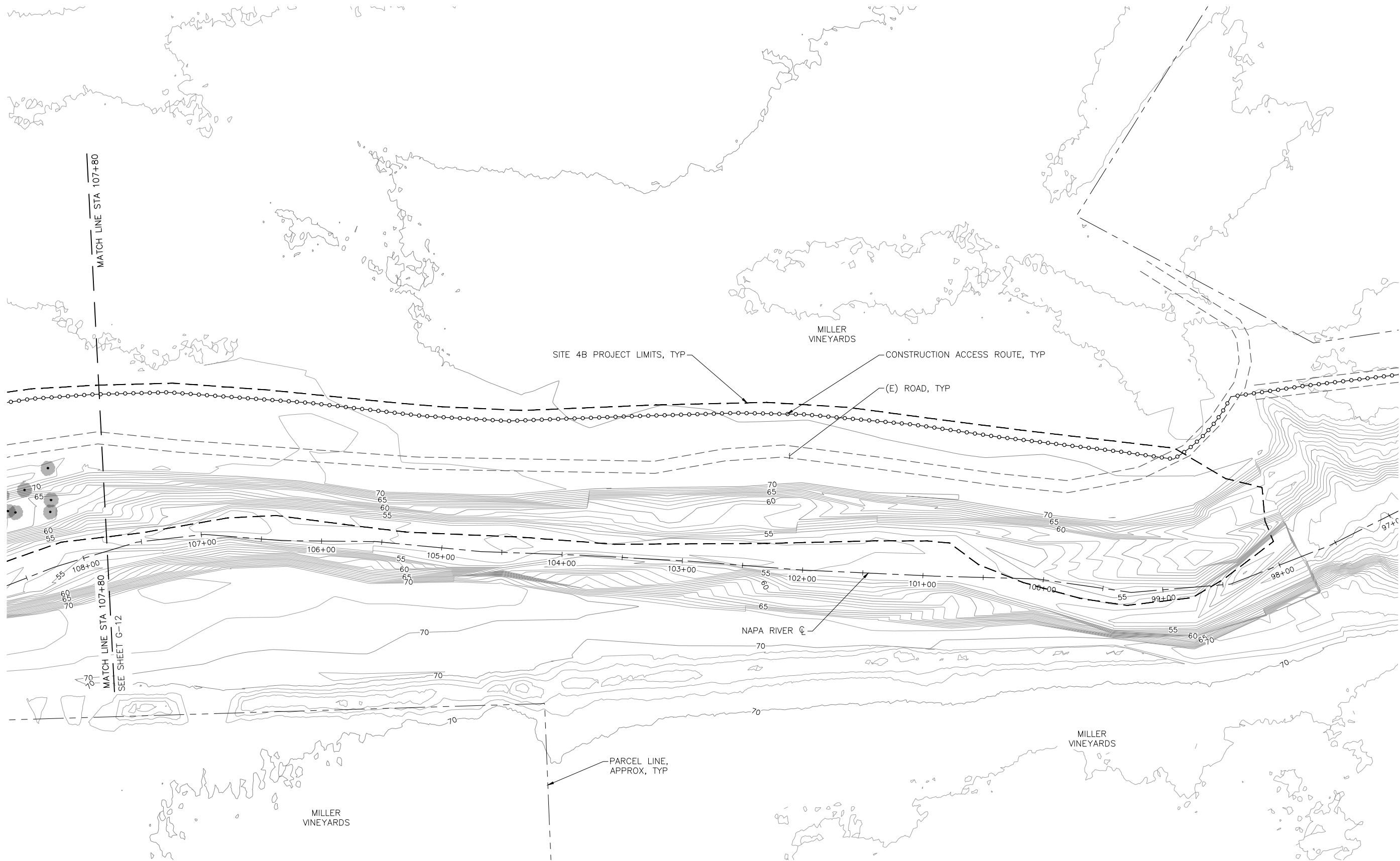
SPECIFICATION NO.: PW XX-XX

SHEET NO.: 9 OF 67

DWG NO.: G-09



**DRAFT 65%
NOT FOR CONSTRUCTION**



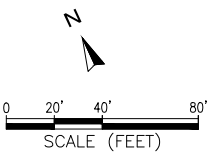
EXISTING CONDITIONS & DEMO - SITE 4B CONTINUED

PLAN VIEW SCALE: 1" = 40'

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DESIGNED: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO
DRAWN: GREG WESSMANN, LANCE WADE
CHECKED: JORGEN BLOMBERG, ANNE BERGONDOVO

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE:
**EXISTING CONDITIONS & DEMO -
SITE 4B CONTINUED**

COUNTY OF NAPA - PUBLIC WORKS

REVIEWER: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

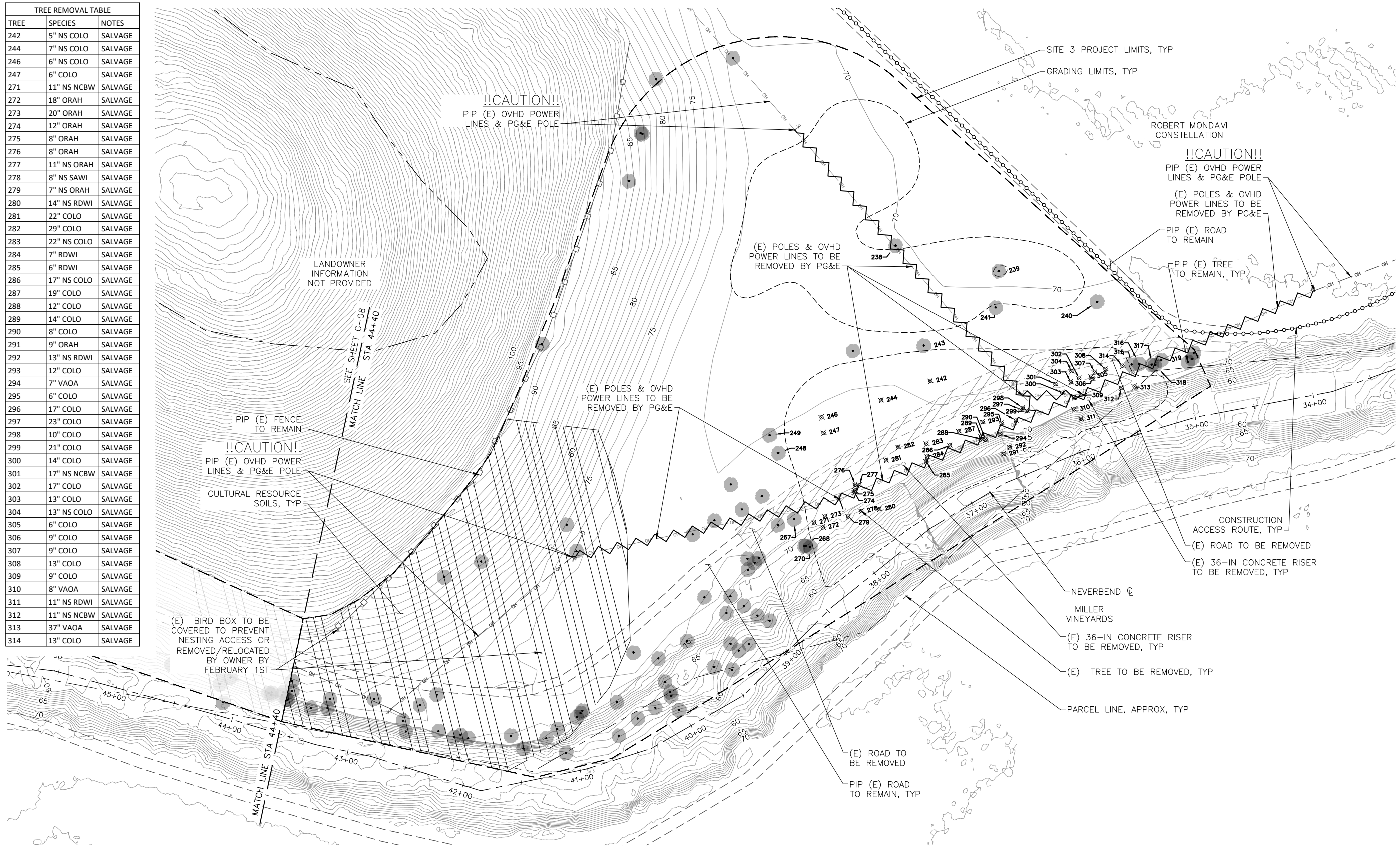
COUNTY OF NAPA - PUBLIC WORKS
NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549



DATE: 10/2019 SCALE: AS SHOWN
COUNTY PROJECT NO.: PW XX-XX
SPECIFICATION NO.: PW XX-XX
SHEET NO.: **10 OF 67**
DWG NO.: **G-10**

**DRAFT 65%
NOT FOR CONSTRUCTION**

TREE	SPECIES	NOTES
242	5" NS COLO	SALVAGE
244	7" NS COLO	SALVAGE
246	6" NS COLO	SALVAGE
247	6" COLO	SALVAGE
271	11" NS NCBW	SALVAGE
272	18" ORAH	SALVAGE
273	20" ORAH	SALVAGE
274	12" ORAH	SALVAGE
275	8" ORAH	SALVAGE
276	8" ORAH	SALVAGE
277	11" NS ORAH	SALVAGE
278	8" NS SAWI	SALVAGE
279	7" NS ORAH	SALVAGE
280	14" NS RDWI	SALVAGE
281	22" COLO	SALVAGE
282	29" COLO	SALVAGE
283	22" NS COLO	SALVAGE
284	7" RDWI	SALVAGE
285	6" RDWI	SALVAGE
286	17" NS COLO	SALVAGE
287	19" COLO	SALVAGE
288	12" COLO	SALVAGE
289	14" COLO	SALVAGE
290	8" COLO	SALVAGE
291	9" ORAH	SALVAGE
292	13" NS RDWI	SALVAGE
293	12" COLO	SALVAGE
294	7" VAOA	SALVAGE
295	6" COLO	SALVAGE
296	17" COLO	SALVAGE
297	23" COLO	SALVAGE
298	10" COLO	SALVAGE
299	21" COLO	SALVAGE
300	14" COLO	SALVAGE
301	17" NS NCBW	SALVAGE
302	17" COLO	SALVAGE
303	13" COLO	SALVAGE
304	13" NS COLO	SALVAGE
305	6" COLO	SALVAGE
306	9" COLO	SALVAGE
307	9" COLO	SALVAGE
308	13" COLO	SALVAGE
309	9" COLO	SALVAGE
310	8" VAOA	SALVAGE
311	11" NS RDWI	SALVAGE
312	11" NS NCBW	SALVAGE
313	37" VAOA	SALVAGE
314	13" COLO	SALVAGE

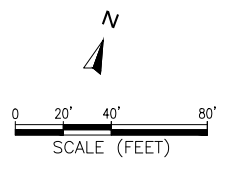


EXISTING CONDITIONS & DEMO - SITE 3

PLAN VIEW SCALE: 1" = 40'

- NOTES:
- INSTALL EXCLUSIONARY FENCING AT PROJECT LIMIT. CONFIRM PROJECT LIMIT WITH OWNER'S REPRESENTATIVE. SEE SPECIFICATIONS.
 - CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE TO CONFIRM THE LOCATION AND NUMBER OF TREES TO BE REMOVED AND SALVAGED.
 - ONLY TREES LARGER THAN 6" DBH ARE SHOWN. "NS" INDICATES A NUMEROUS TREE WITH LARGEST DIAMETER LISTED. ADDITIONAL TREES EXIST WITHIN THE GRADING LIMIT & PROJECT LIMIT THAT WILL REQUIRE REMOVAL. CONFIRM ALL TREES FOR REMOVAL WITH COUNTY REPRESENTATIVE. SEE SPECIFICATIONS.
 - PRESERVE TREES WHERE EXCAVATION IS LESS THAN 3' DEEP.

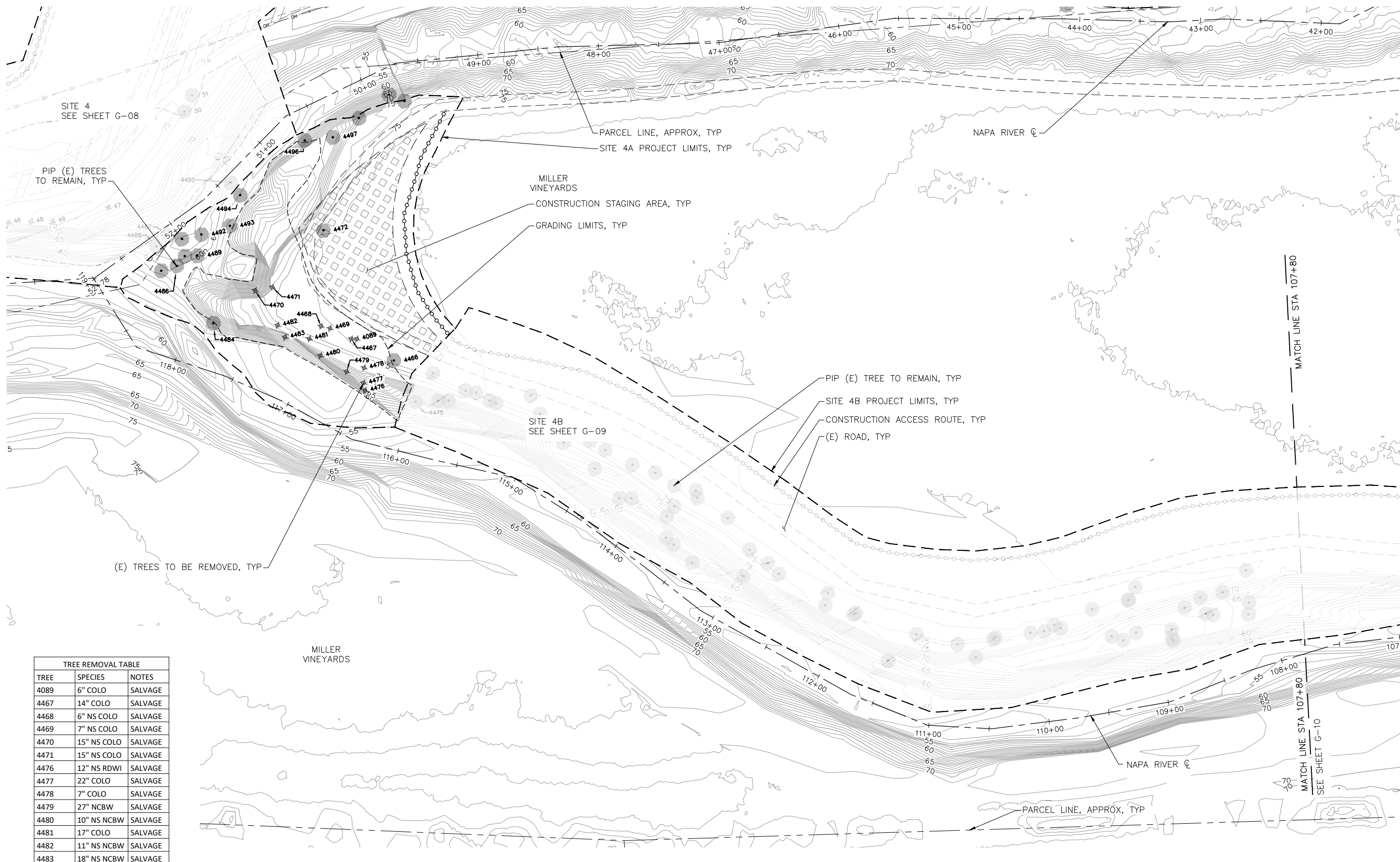
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- DUST CONTROL REQUIRED ON ALL ACCESS ROADS.
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PLOT DATE: 11/7/2019 6:53 PM
 LAST SAVE DATE: 11/7/2019 6:43 PM
 FILE K:\PROJECTS\2012\120076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\7 EXISTING CONDITIONS.DWG

		565 Henry Street Suite 800 Napa, CA 94559 707.252.2300	
DRAWN: GREG WESSMANN, LAURE WARE CHECKED: JORGEN BLOMBERG, ANN BERGONDOVO		DESIGNED: JORGEN BLOMBERG, SCOTT SMITH IN CHARGE: ANN BERGONDOVO	
PROJECT: NAPA RIVER RESTORATION PROJECT OAKVILLE TO OAK KNOLL REACH - GROUP D (PHASE 1 AND PHASE 2)			
SHEET TITLE: EXISTING CONDITIONS & DEMO - SITE 3			
COUNTY OF NAPA - PUBLIC WORKS		NAPA COUNTY DEPARTMENT OF PUBLIC WORKS 1195 THIRD ST, SUITE 101 NAPA, CA 94549	
DATE: 10/2019	SCALE: AS SHOWN	COUNTY PROJECT NO.: PW XX-XX	
SPECIFICATION NO.: PW XX-XX			
SHEET NO.: 11 OF 67			
DWG NO.: G-11			

**DRAFT 65%
NOT FOR CONSTRUCTION**



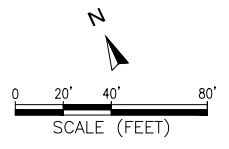
TREE	SPECIES	NOTES
4089	6" COLO	SALVAGE
4467	14" COLO	SALVAGE
4468	6" NS COLO	SALVAGE
4469	7" NS COLO	SALVAGE
4470	15" NS COLO	SALVAGE
4471	15" NS COLO	SALVAGE
4476	12" NS RDWI	SALVAGE
4477	22" COLO	SALVAGE
4478	7" COLO	SALVAGE
4479	27" NCBW	SALVAGE
4480	10" NS NCBW	SALVAGE
4481	17" COLO	SALVAGE
4482	11" NS NCBW	SALVAGE
4483	18" NS NCBW	SALVAGE

EXISTING CONDITIONS & DEMO - SITE 4A

PLAN VIEW SCALE: 1" = 40'

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565 Henry Street
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Oakville, CA 94551
916.832.2300
FAX 916.832.2300

DRAWN: GREG WESSMANN, LAND SURVEYOR
DESIGNED: JORGEN BLOMBERG, LAND SURVEYOR
IN CHARGE: ANNE BERGONDOVO

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: EXISTING CONDITIONS & DEMO - SITE 4A

COUNTY OF NAPA - PUBLIC WORKS

REVIEWER: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

COUNTY OF NAPA
NAPA COUNTY DEPARTMENT OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

A Tradition of Stewardship
A Commitment to Service

DATE: 10/2019 SCALE: AS SHOWN

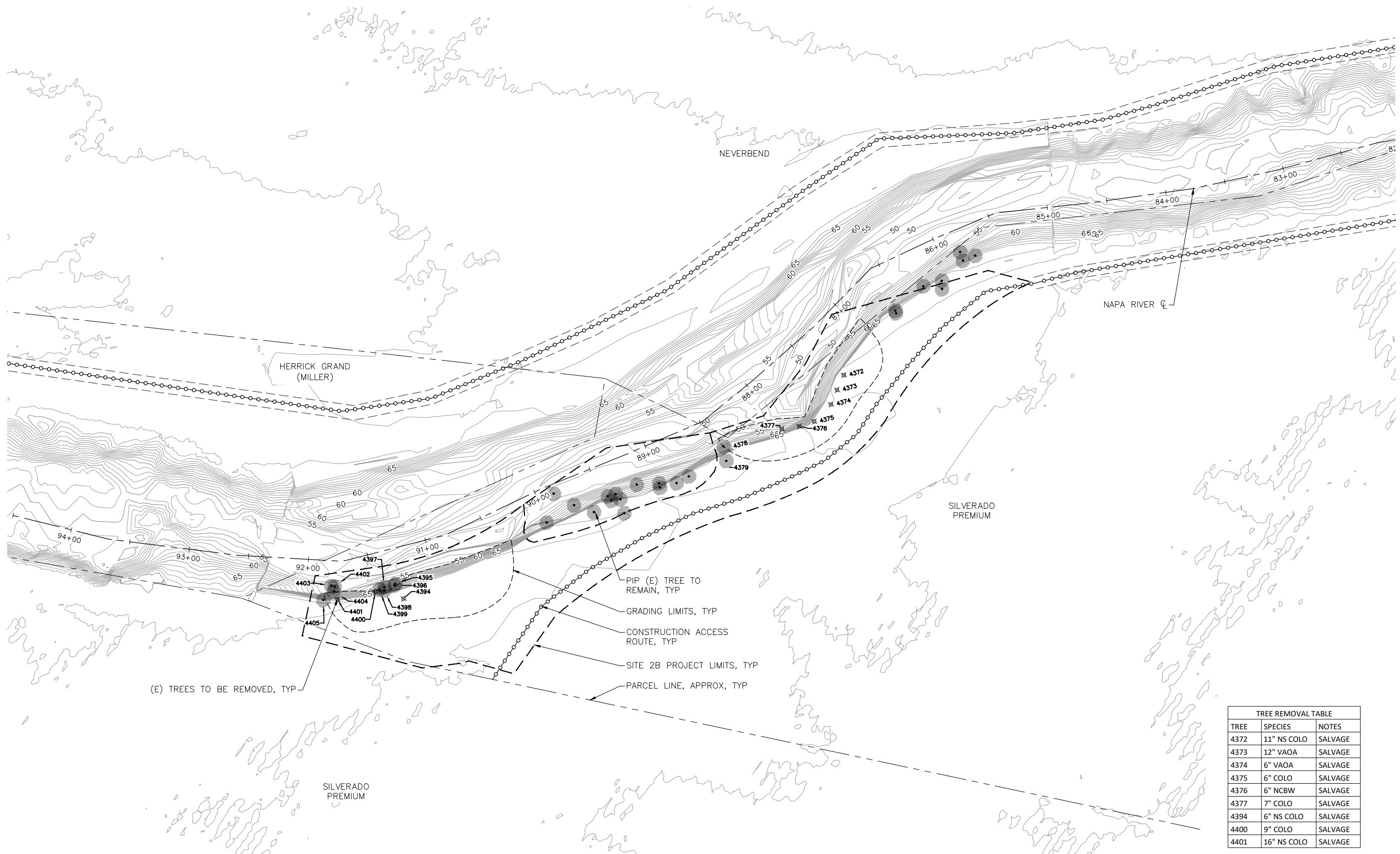
COUNTY PROJECT NO.: PW XX-XX

SPECIFICATION NO.: PW XX-XX

SHEET NO.: 12 OF 67

DWG NO.: G-12

**DRAFT 65%
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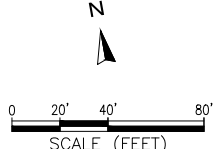
TREE REMOVAL TABLE		
TREE	SPECIES	NOTES
4372	11" NS COLO	SALVAGE
4373	12" VAOA	SALVAGE
4374	6" VAOA	SALVAGE
4375	6" COLO	SALVAGE
4376	6" NCBW	SALVAGE
4377	7" COLO	SALVAGE
4394	6" NS COLO	SALVAGE
4400	9" COLO	SALVAGE
4401	16" NS COLO	SALVAGE

EXISTING CONDITIONS & DEMO - SITE 2B

PLAN VIEW SCALE: 1" = 40'

- NOTES:
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ESA
565 Henry Street
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915.932.2300
FAX: 915.932.2300

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO
CHECKED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
DRAWN BY: GREG WESSMANN, LANCE WADE

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)
SHEET TITLE: EXISTING CONDITIONS & DEMO - SITE 2B

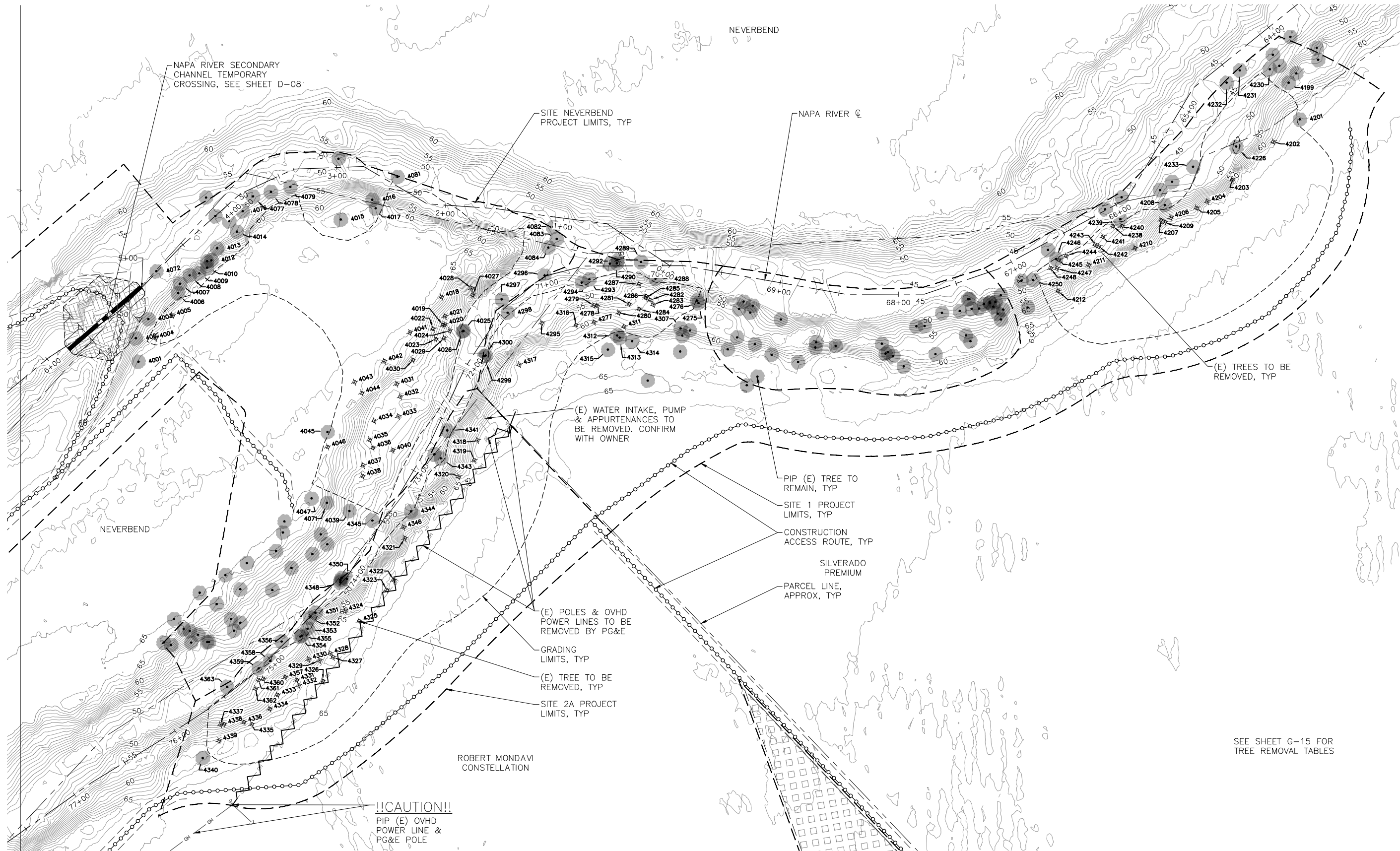
COUNTY OF NAPA - PUBLIC WORKS
REVIEWED: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

COUNTY OF NAPA - PUBLIC WORKS
NAPA COUNTY DEPARTMENT OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

A Tradition of Stewardship
A Commitment to Service

DATE: 10/2019 SCALE: AS SHOWN
COUNTY PROJECT NO.: PW XX-XX
SPECIFICATION NO.: PW XX-XX
SHEET NO.: 13 OF 67
DWG NO.: G-13

**DRAFT 65%
NOT FOR CONSTRUCTION**

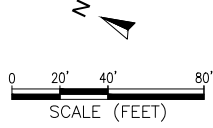


EXISTING CONDITIONS & DEMO - SITES 2A, 1 & NEVERBEND

PLAN VIEW SCALE: 1" = 40'

- NOTES:
1. INSTALL EXCLUSIONARY FENCING AT PROJECT LIMIT. CONFIRM PROJECT LIMIT WITH OWNER'S REPRESENTATIVE. SEE SPECIFICATIONS.
 2. CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE TO CONFIRM THE LOCATION AND NUMBER OF TREES TO BE REMOVED AND SALVAGED.
 3. ONLY TREES LARGER THAN 6" DBH ARE SHOWN. "NS" INDICATES A NUMEROUS TREE WITH LARGEST DIAMETER LISTED. ADDITIONAL TREES EXIST WITHIN THE GRADING LIMIT & PROJECT LIMIT THAT WILL REQUIRE REMOVAL. CONFIRM ALL TREES FOR REMOVAL WITH COUNTY REPRESENTATIVE. SEE SPECIFICATIONS.
 4. PRESERVE TREES WHERE EXCAVATION IS LESS THAN 3' DEEP.

5. CONTRACTOR SHALL REMOVE, SALVAGE, AND STOCKPILE ALL TREES LARGER THAN 6" DBH. CONTRACTOR SHALL RETAIN ROOTBALL CONNECTED TO TRUNK. SALVAGED TREES SHALL BE USED IN HABITAT LOG STRUCTURES AND/OR UPLAND BRUSH PILES. CONTRACTOR SHALL NOT DISPOSE OR REMOVE TREES WITHOUT APPROVAL FROM OWNER'S REPRESENTATIVE.
6. DUST CONTROL REQUIRED ON ALL ACCESS ROADS.
7. CONTRACTOR TO REMOVE AND DISPOSE OF ALL REMNANT PIPE NETWORK AND IRRIGATION LINES ENCOUNTERED DURING EXCAVATION WITHIN PROJECT LIMITS. CONFIRM FACILITIES TO BE REMOVED WITH OWNER.
8. NO EXCAVATION OR FILL WITHIN 10' OF POWER POLES. CONTRACTOR TO STAY 10' AWAY FROM LINES WITH EQUIPMENT OR CONTACT PG&E TO DE-ENERGIZING SERVICE.



PLOT DATE: 11/7/2019 6:54 PM
 LAST SAVE DATE: 11/7/2019 6:43 PM
 FILE K:\PROJECTS\2012\120076.G0 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\7 EXISTING CONDITIONS.DWG

		515 Henry Street Suite 800 Napa, CA 94559 707.252.2300	
DRAWN: GREG WESSMANN, LAKE WADE DESIGNED: JORGEN BLOMBERG, ANNE BERGONDOVO IN CHARGE: JORGEN BLOMBERG, SCOTT SMITH		CHECKED: JORGEN BLOMBERG, ANNE BERGONDOVO DATE: 11/13/2019	
PROJECT: NAPA RIVER RESTORATION PROJECT OAKVILLE TO OAK KNOLL REACH - GROUP D (PHASE 1 AND PHASE 2)			
SHEET TITLE: EXISTING CONDITIONS & DEMO - SITES 2A, 1 & NEVERBEND			
COUNTY OF NAPA - PUBLIC WORKS		NAPA COUNTY DEPARTMENT OF PUBLIC WORKS 1195 THIRD ST, SUITE 101 NAPA, CA 94549	
DATE: 10/2019	SCALE: AS SHOWN	COUNTY PROJECT NO.: PW XX-XX	
SPECIFICATION NO.: PW XX-XX			
SHEET NO.: 14 OF 67			
DWG NO.: G-14			

**DRAFT 65%
NOT FOR CONSTRUCTION**

SITE 2A

TREE REMOVAL TABLE		
TREE	SPECIES	NOTES
4277	11" VAOA	SALVAGE
4278	6" SAWI	SALVAGE
4279	6" SAWI	SALVAGE
4280	6" VAOA	SALVAGE
4281	11" NS RDWI	SALVAGE
4282	6" RDWI	SALVAGE
4283	6" RDWI	SALVAGE
4284	8" RDWI	SALVAGE
4285	7" NS RDWI	SALVAGE
4286	6" RDWI	SALVAGE
4287	5" NS RDWI	SALVAGE
4295	24" NS NCBW	SALVAGE
4311	6" NCBW	SALVAGE
4316	6" NCBW	SALVAGE
4317	10" NS COLO	SALVAGE
4318	13" NS VAOA	SALVAGE
4319	9" NS COLO	SALVAGE
4320	7" NS SAWI	SALVAGE
4321	6" NS ORAS	SALVAGE
4322	8" COLO	SALVAGE
4323	16" VAOA	SALVAGE
4324	18" VAOA	SALVAGE
4325	23" VAOA	SALVAGE
4326	10" RDWI	SALVAGE
4327	10" RDWI	SALVAGE
4328	6" NCBW	SALVAGE
4329	8" NCBW	SALVAGE
4330	6" NCBW	SALVAGE
4331	6" NCBW	SALVAGE
4332	6" RDWI	SALVAGE
4333	8" NCBW	SALVAGE
4334	11" NCBW	SALVAGE
4335	9" NS RDWI	SALVAGE
4336	11" NCBW	SALVAGE
4337	7" RDWI	SALVAGE
4338	6" NCBW	SALVAGE
4339	7" NCBW	SALVAGE
4346	6" RDWI	SALVAGE
4357	11" RDWI	SALVAGE
4360	10" RDWI	SALVAGE
4361	8" RDWI	SALVAGE
4362	26" RDWI	SALVAGE

SITE 1


TREE REMOVAL TABLE		
TREE	SPECIES	NOTES
4202	6" COLO	SALVAGE
4203	13" VAOA	SALVAGE
4204	6" COLO	SALVAGE
4205	11" COLO	SALVAGE
4206	6" NS COLO	SALVAGE
4207	20" NS COLO	SALVAGE
4209	15" VAOA	SALVAGE
4210	7" VAOA	SALVAGE
4211	19" VAOA	SALVAGE
4212	7" NS NCBW	SALVAGE
4238	9" NS RDWI	SALVAGE
4240	7" NCBW	SALVAGE
4241	7" NS RDWI	SALVAGE
4242	6" RDWI	SALVAGE
4243	11" NS RDWI	SALVAGE
4244	16" RDWI	SALVAGE
4245	28" NS RDWI	SALVAGE
4247	16" RDWI	SALVAGE
4248	33" FRCO	SALVAGE

SITE NEVERBEND

TREE REMOVAL TABLE		
TREE	SPECIES	NOTES
4004	7" VAOA	SALVAGE
4005	6" VAOA	SALVAGE
4018	8" NS RDWI	SALVAGE
4019	13" RDWI	SALVAGE
4020	9" RDWI	SALVAGE
4021	5" NS RDWI	SALVAGE
4022	14" VAOA	SALVAGE
4023	10" NCBW	SALVAGE
4024	14" RDWI	SALVAGE
4027	16" NS RDWI	SALVAGE
4028	10" RDWI	SALVAGE
4029	14" RDWI	SALVAGE
4030	24" RDWI	SALVAGE
4031	16" RDWI	SALVAGE
4032	6" NCBW	SALVAGE
4033	11" NS NCBW	SALVAGE
4034	20" RDWI	SALVAGE
4035	10" RDWI	SALVAGE
4036	10" NS NCBW	SALVAGE
4037	18" RDWI	SALVAGE
4038	28" RDWI	SALVAGE
4040	14" NS RDWI	SALVAGE
4041	13" VAOA	SALVAGE
4042	8" NCBW	SALVAGE
4043	13" NS NCBW	SALVAGE
4044	19" NCBW	SALVAGE
4046	7" NS PRUN	SALVAGE

TREE REMOVAL TABLES - SITE 2A, 1 & NEVERBEND

PLOT DATE: 11/7/2019 6:54 PM
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510 Henry Street
Suite 800
Oakville, CA 94109
916.922.2300

DESIGNED:
JORGEN BLOMBERG, ANN BERGONDOVO

DRAWN:
GREG WESSMANN, LAKE WADE

DESIGNED IN CHARGE:
JORGEN BLOMBERG, SCOTT SMITH

ANN BERGONDOVO 003102

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE:
TREE REMOVAL TABLES -
SITE 2A, 1 & NEVERBEND

COUNTY OF NAPA - PUBLIC WORKS

REVIEWER:
XXX XXX, PE


APPROVAL RECOMMENDED:
XXX XXX, PE

APPROVED:
XXX XXX, PE

DATE:

**NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS**

1195 THIRD ST, SUITE 101
NAPA, CA 94549



A Tradition of Stewardship
A Commitment to Service

DATE: 10/2019

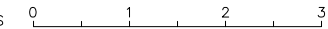
COUNTY PROJECT NO. PW XX-XX

SPECIFICATION NO. PW XX-XX

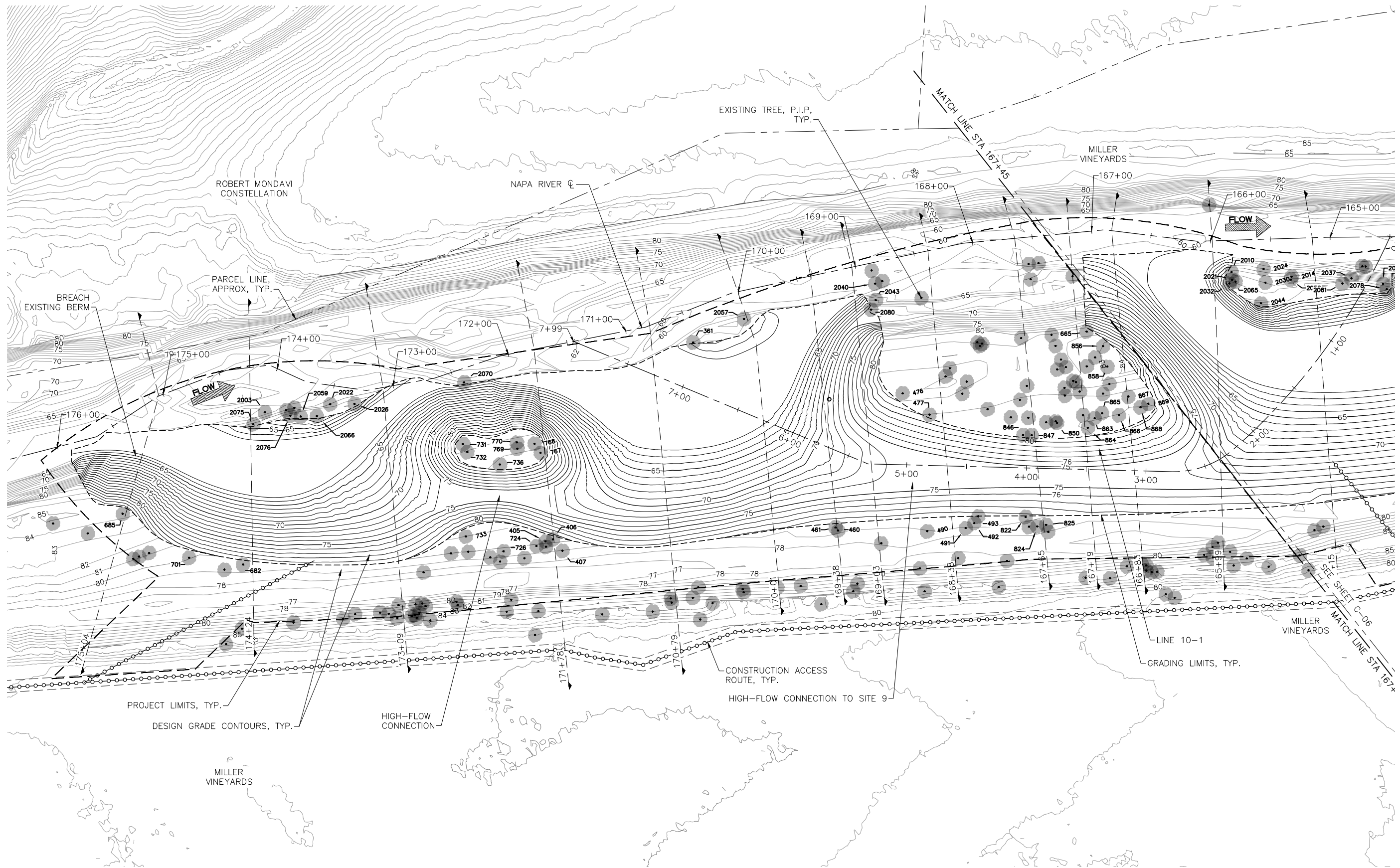
SHEET NO. **15** OF **67**

DWG NO. **G-15**

SCALE: AS SHOWN

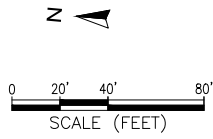


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NOT FOR CONSTRUCTION



- NOTES:
1. CONTRACTOR SHALL PROVIDE GRADE STAKES PER PLAN. GRADING TO BE CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 2. CONTRACTOR SHALL PROVIDE STAKES TO LAYOUT STRUCTURE LOCATION AND ORIENTATION PER PLAN. ENHANCEMENT STRUCTURE LOCATIONS TO BE REVIEWED, CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 3. OVEREXCAVATE AND PLACE 6-INCH LAYER OF PLANTING TOPSOIL WHERE DEPTH OF CUT EXCEEDS 12 INCHES, SEE SPECIFICATIONS.
 4. PRESERVE TREES WHERE EXCAVATION IS LESS THAN 3' DEEP.

GRADING PLAN - SITE 10
PLAN VIEW SCALE: 1" = 40'

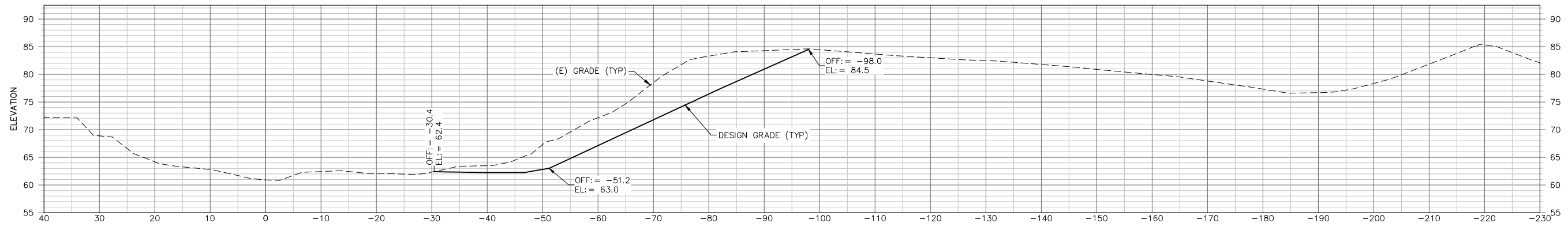


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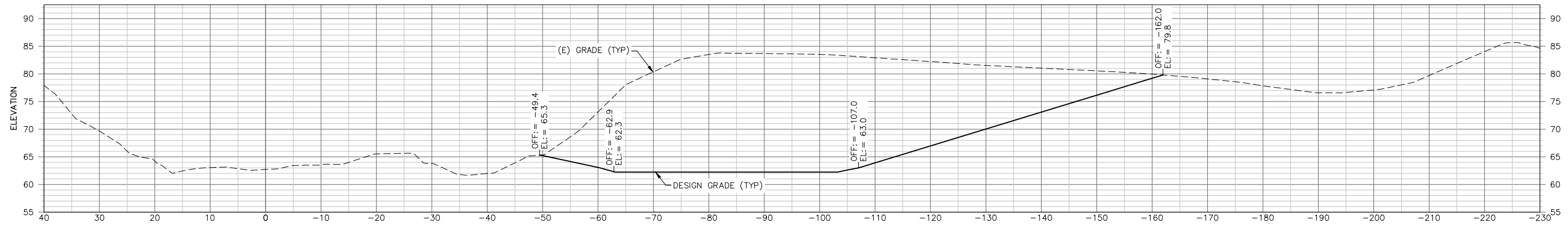
		565 Henry Street Suite 800 Napa, CA 94559 707.252.2300	
		DESIGNED: JORGEN BLOMBERG, ANN BERGONDOVO	IN CHARGE: ANN BERGONDOVO
DRAWN: GREG WESSMANN, LANE WARE		CHECKED: JORGEN BLOMBERG, ANN BERGONDOVO	
PROJECT: NAPA RIVER RESTORATION PROJECT OAKVILLE TO OAK KNOLL REACH - GROUP D (PHASE 1 AND PHASE 2)			
SHEET TITLE: GRADING PLAN - SITE 10			
COUNTY OF NAPA - PUBLIC WORKS		NAPA COUNTY DEPARTMENT OF PUBLIC WORKS 1195 THIRD ST, SUITE 101 NAPA, CA 94549	
DATE: 10/2019		SCALE: AS SHOWN	
COUNTY PROJECT NO. PW XX-XX		SPECIFICATION NO. PW XX-XX	
SHEET NO. 16 OF 67		DWG NO. C-01	

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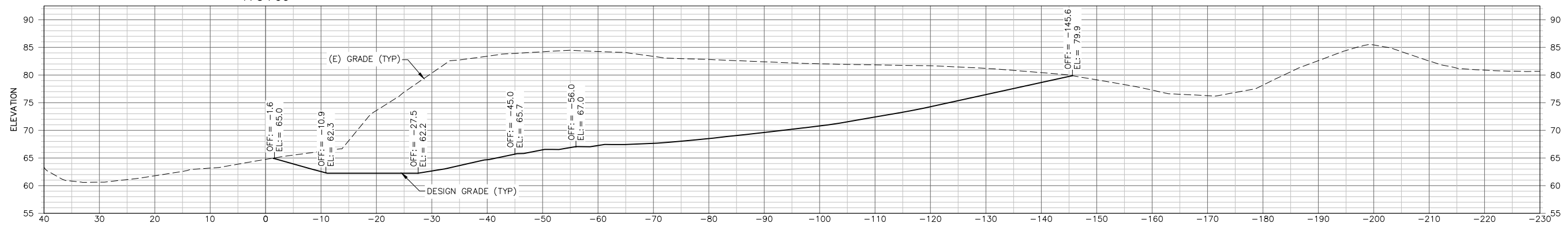
NAPA RIVER OVOK DTA
175+04



NAPA RIVER OVOK DTA
174+24



NAPA RIVER OVOK DTA
173+09



GRADING SECTIONS - SITE 10 (1 OF 4)

SECTION VIEW

SCALE: 1" = 10'



ESA
565 Henry Street
Suite 800
Oakville, CA 94109
916.932.2300
FAX: 916.932.2300

DESIGNED BY: JORGEN BLOMBERG, ANNE WARE
CHECKED BY: JORGEN BLOMBERG, ANNE WARE
IN CHARGE: ANNE WARE

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: GRADING SECTIONS - SITE 10 (1 OF 4)

COUNTY OF NAPA - PUBLIC WORKS

NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

REVIEWER: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

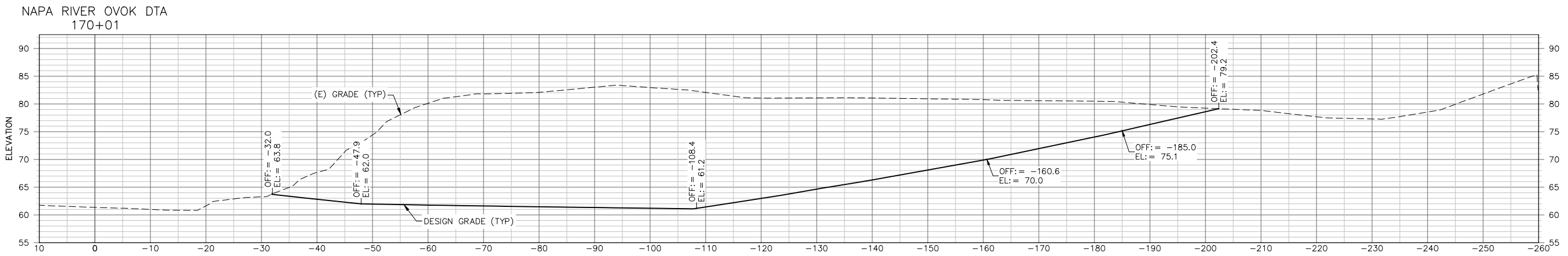
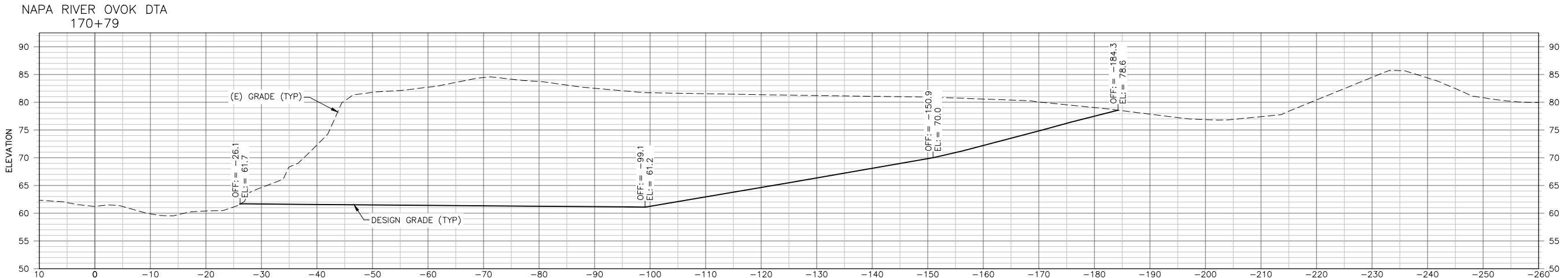
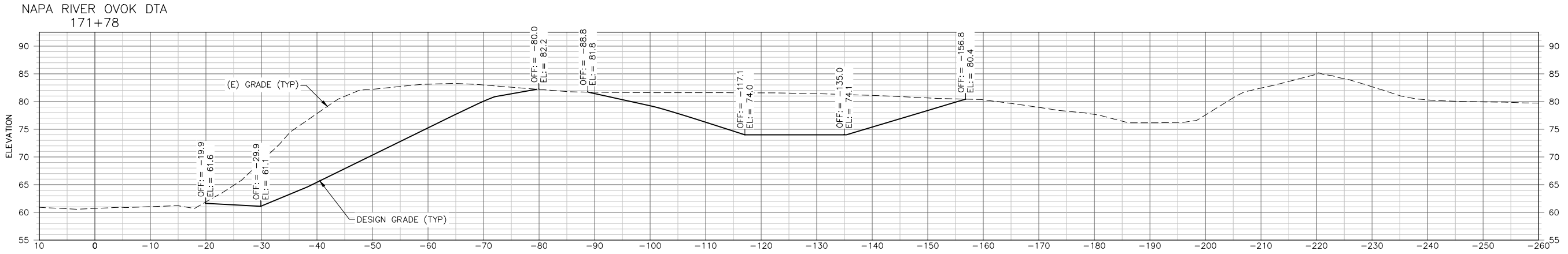
SPECIFICATION NO.: PW XX-XX

SHEET NO.: 17 OF 67

DWG NO.: C-02

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GRADING SECTIONS - SITE 10 (2 OF 4)

SECTION VIEW

SCALE: 1" = 10'



PLOT DATE: 11/7/2019 6:56 PM
LAST SAVE DATE: 11/7/2019 10:10 AM
FILE: K:\PROJECTS\2012\120076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\GRADING SECTIONS.DWG

ESA
565 Henry Street
Suite 800
Oakville, CA 94109
916.922.2300
www.esa.com

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO

DRAWN BY: GREG WESSMANN, LAKE WADE
DESIGNED BY: JORGEN BLOMBERG, SCOTT SMITH

PROJECT: **NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)**

SHEET TITLE: **GRADING SECTIONS - SITE 10 (2 OF 4)**

COUNTY OF NAPA - PUBLIC WORKS

REVIEWED: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

**NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549**

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

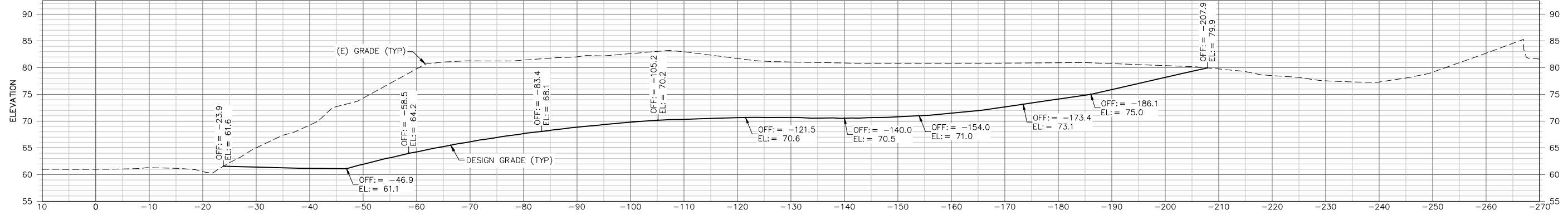
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SHEET NO.: **18 OF 67**

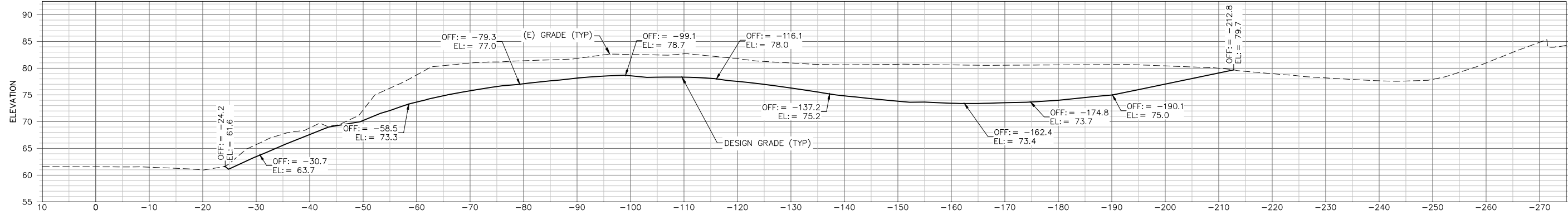
DWG NO.: **C-03**

**DRAFT 65%
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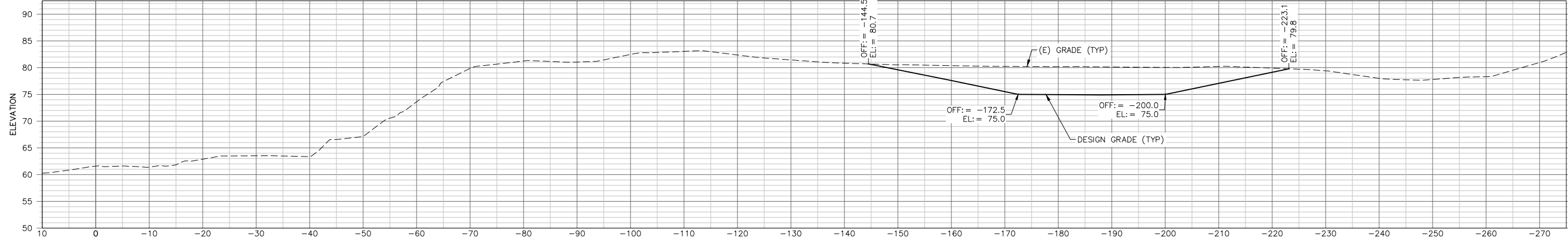
NAPA RIVER OVOK DTA
169+38



NAPA RIVER OVOK DTA
169+03



NAPA RIVER OVOK DTA
168+38



GRADING SECTIONS - SITE 10 (3 OF 4)

SECTION VIEW

SCALE: 1" = 10'



ESA
565 Henry Street
Suite 800
Oakville, CA 94109
916.932.2300

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO, SCOTT SMITH

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: GRADING SECTIONS - SITE 10 (3 OF 4)

COUNTY OF NAPA - PUBLIC WORKS

NAPA COUNTY DEPARTMENT OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

REVIEWED: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

SPECIFICATION NO.: PW XX-XX

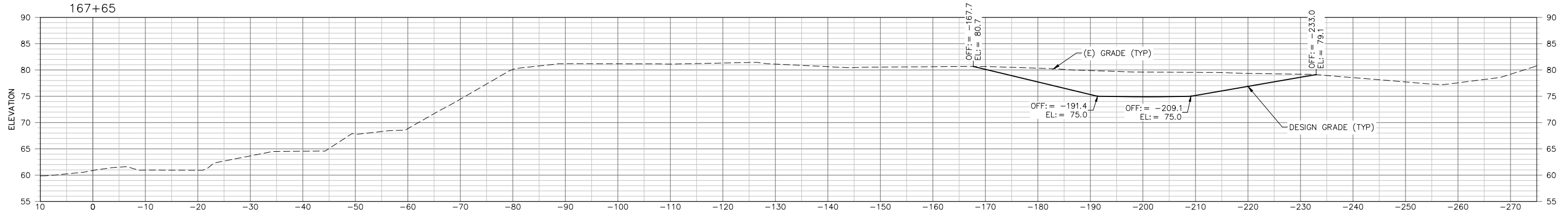
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DWG NO.: **C-04**

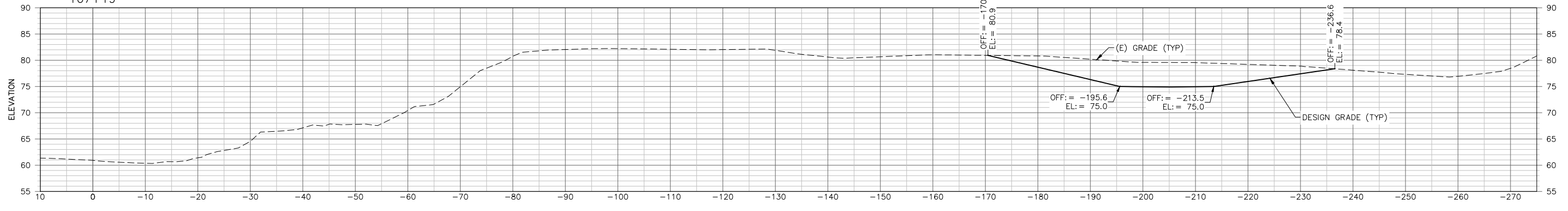
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**DRAFT 65%
NOT FOR CONSTRUCTION**

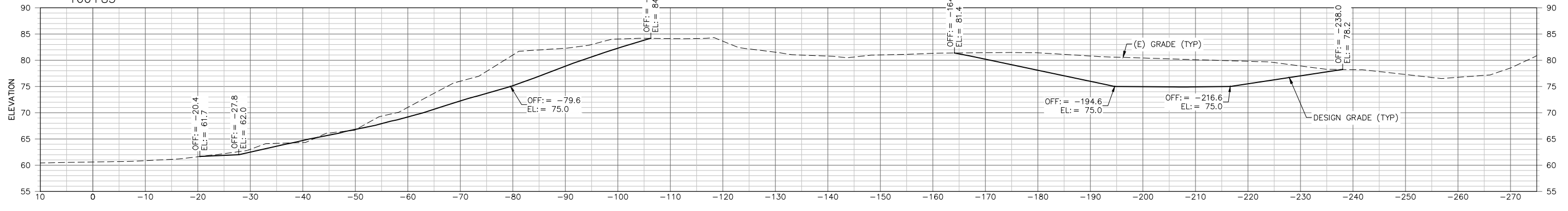
NAPA RIVER OVOK DTA
167+65



NAPA RIVER OVOK DTA
167+19



NAPA RIVER OVOK DTA
166+83



GRADING SECTIONS - SITE 10 (4 OF 4)

SECTION VIEW

SCALE: 1" = 10'



ESA
515 Henry Street
Suite 800
Oakville, CA 94109
916.922.2300

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
CHECKED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: GRADING SECTIONS - SITE 10 (4 OF 4)

COUNTY OF NAPA - PUBLIC WORKS

NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

REVIEWER: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

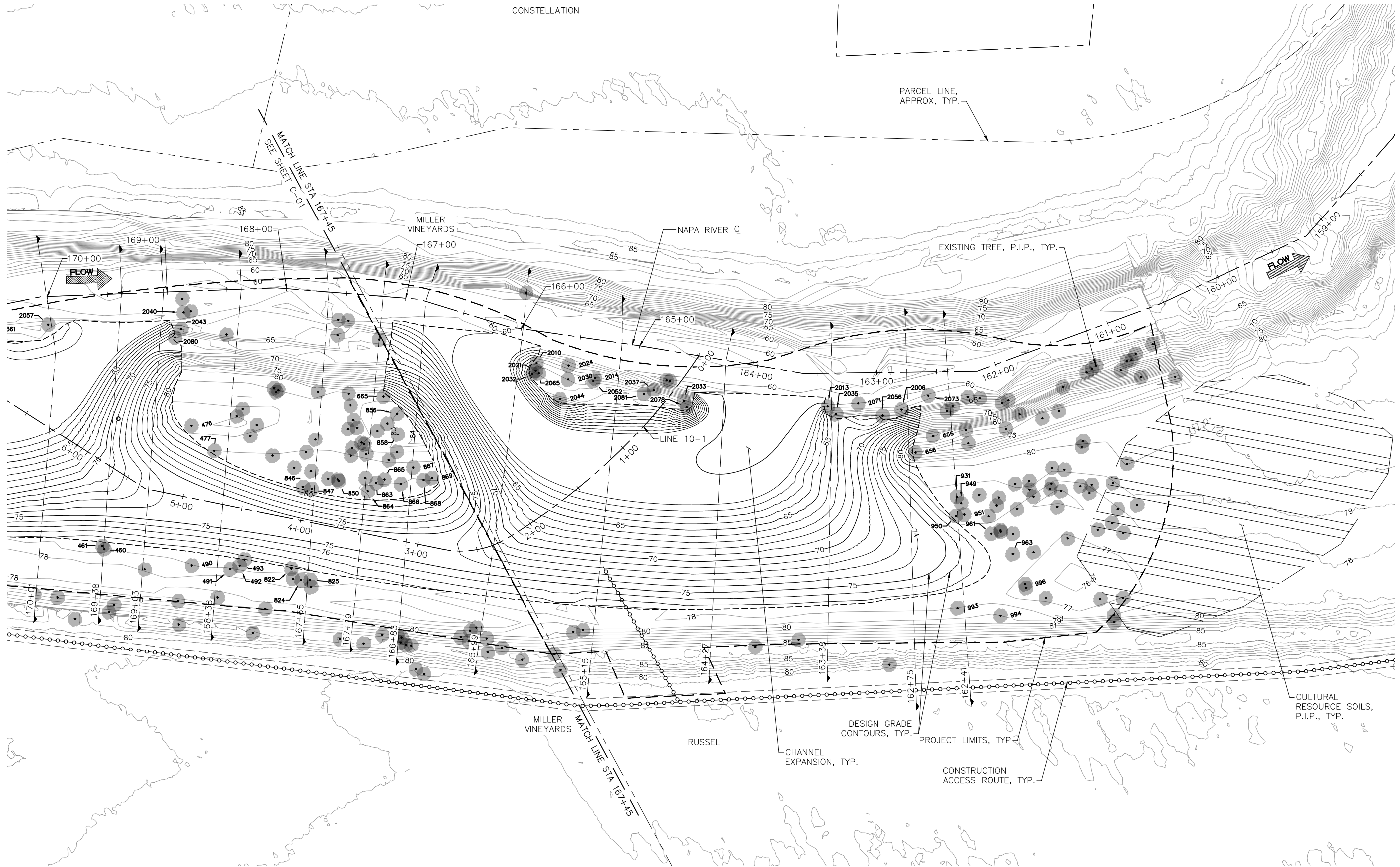
SPECIFICATION NO.: PW XX-XX

SHEET NO.: 20 OF 67

DWG NO.: C-05

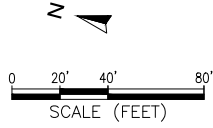
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**DRAFT 65%
NOT FOR CONSTRUCTION**



- NOTES:
1. CONTRACTOR SHALL PROVIDE GRADE STAKES PER PLAN. GRADING TO BE CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 2. CONTRACTOR SHALL PROVIDE STAKES TO LAYOUT STRUCTURE LOCATION AND ORIENTATION PER PLAN. ENHANCEMENT STRUCTURE LOCATIONS TO BE REVIEWED, CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 3. OVEREXCAVATE AND PLACE 6-INCH LAYER OF PLANTING TOPSOIL WHERE DEPTH OF CUT EXCEEDS 12 INCHES, SEE SPECIFICATIONS.
 4. PRESERVE TREES WHERE EXCAVATION IS LESS THAN 3' DEEP.

GRADING PLAN - SITE 9
PLAN VIEW SCALE: 1" = 40'

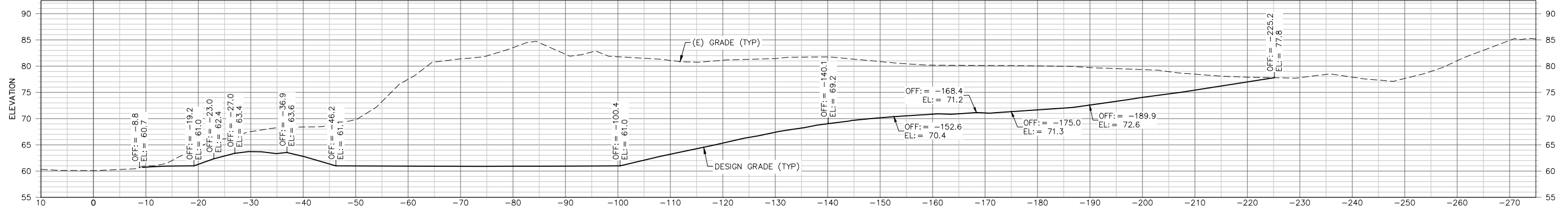


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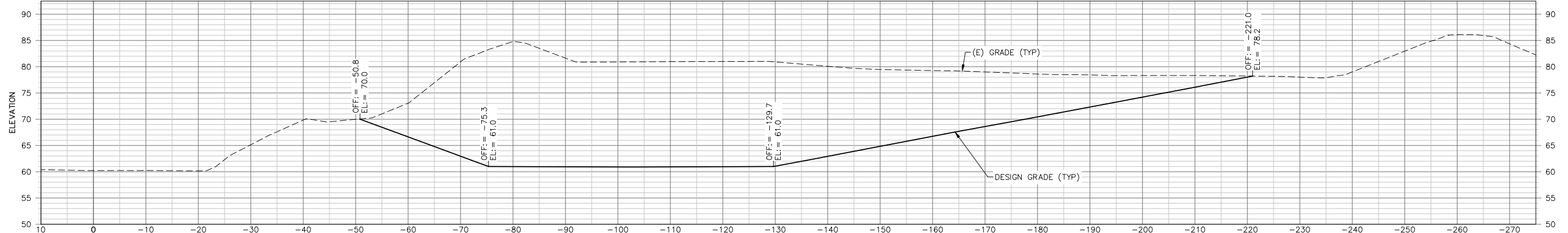
		515 Henry Street Suite 800 Napa, CA 94559 707.252.2300	
DRAWN: GREG WESSMANN, LAKE WADE		CHECKED: JORGEN BLOMBERG, ANN BERGONDOVO	
DESIGNED: JORGEN BLOMBERG, SCOTT SMITH		IN CHARGE: ANN BERGONDOVO	
PROJECT: NAPA RIVER RESTORATION PROJECT OAKVILLE TO OAK KNOLL REACH - GROUP D (PHASE 1 AND PHASE 2)			
SHEET TITLE: GRADING PLAN - SITE 9			
COUNTY OF NAPA - PUBLIC WORKS		NAPA COUNTY DEPARTMENT OF PUBLIC WORKS 1195 THIRD ST, SUITE 101 NAPA, CA 94549	
DATE: 10/2019	SCALE: AS SHOWN	COUNTY PROJECT NO. PW XX-XX	
SPECIFICATION NO. PW XX-XX			
SHEET NO. 21 OF 67			
DWG NO. C-06			

**DRAFT 65%
NOT FOR CONSTRUCTION**

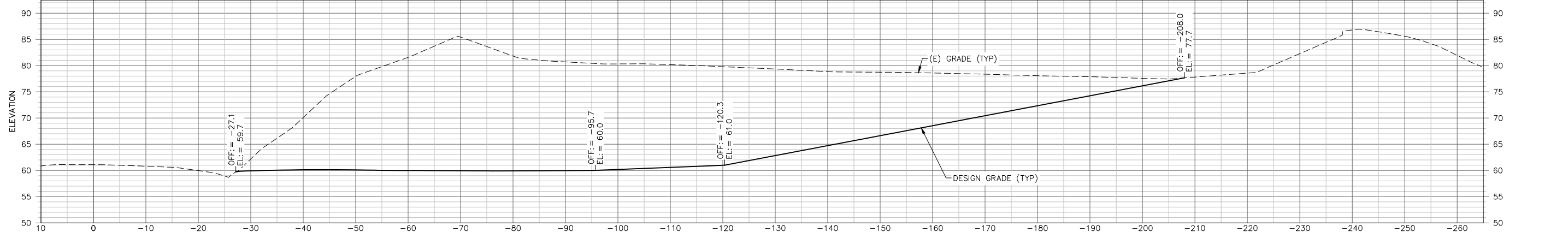
NAPA RIVER OVOK DTA
165+99



NAPA RIVER OVOK DTA
165+15



NAPA RIVER OVOK DTA
164+27



GRADING SECTIONS - SITE 9 (1 OF 2)

SECTION VIEW

SCALE: 1" = 10'



ESA
545 Henry Street
Suite 800
Oakville, CA 94109
916.922.2300

DESIGNED: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: GRADING SECTIONS - SITE 9 (1 OF 2)

COUNTY OF NAPA - PUBLIC WORKS

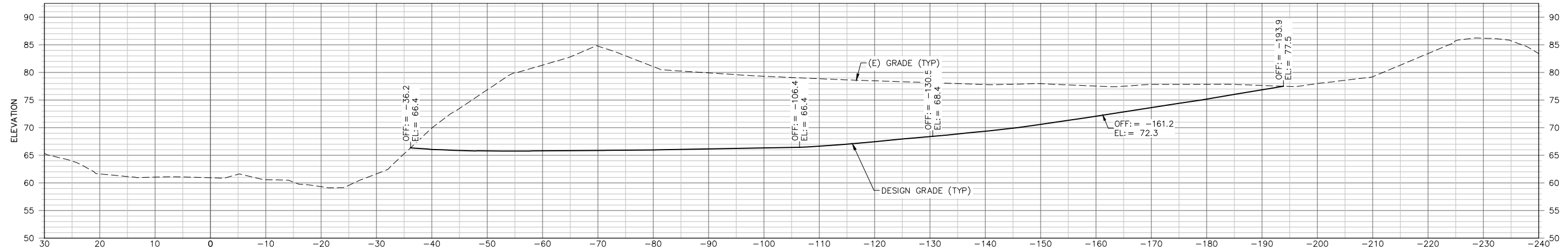
NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

DATE: 10/2019 SCALE: AS SHOWN
COUNTY PROJECT NO.: PW XX-XX
SPECIFICATION NO.: PW XX-XX
SHEET NO.: 22 OF 67
DWC NO.: C-07

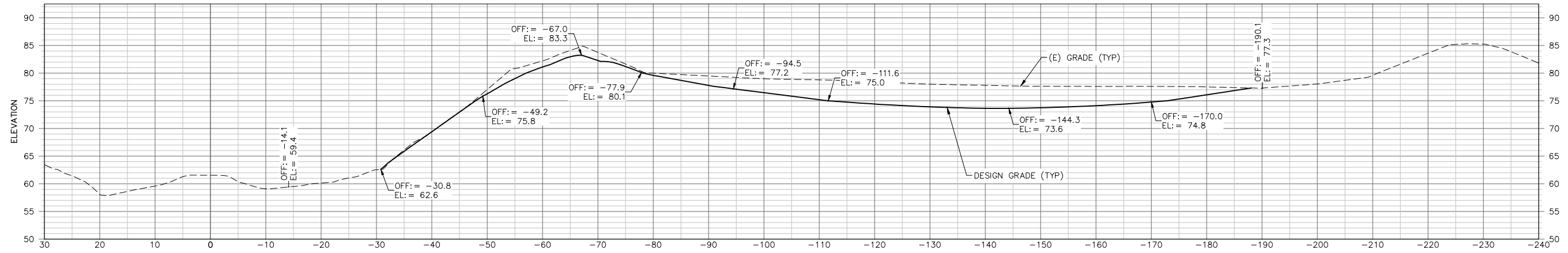
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**DRAFT 65%
NOT FOR CONSTRUCTION**

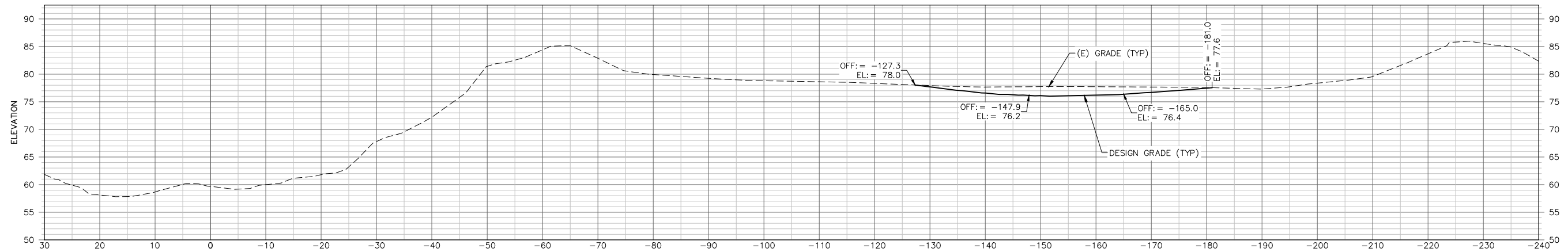
NAPA RIVER OVOK DTA
163+38



NAPA RIVER OVOK DTA
162+75



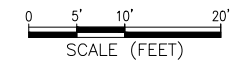
NAPA RIVER OVOK DTA
162+41



GRADING SECTIONS - SITE 9 (2 OF 2)

SECTION VIEW

SCALE: 1" = 10'



ESA
515 Henry Street
Suite 800
Oakville, CA 94108
916.932.2300
www.esa.com

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
CHECKED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO, CDS3102

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: GRADING SECTIONS - SITE 9 (2 OF 2)

COUNTY OF NAPA - PUBLIC WORKS

REVIEWER: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

COUNTY OF NAPA
NAPA COUNTY DEPARTMENT OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

A Tradition of Stewardship
A Commitment to Service

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

SPECIFICATION NO.: PW XX-XX

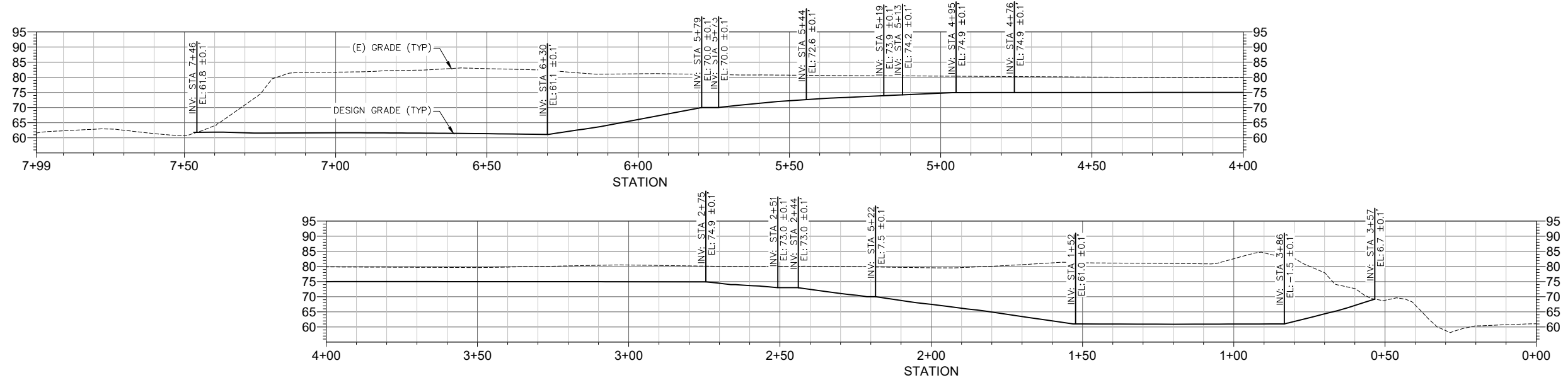
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DWG NO.: **C-08**

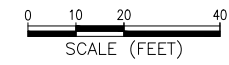
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NOT FOR CONSTRUCTION**

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GRADING PROFILE LINE 10-1 (SITES 10 & 9)
PROFILE VIEW SCALE: 1" = 20'



ESA
515 Henry Street
Suite 800
Oakville, CA 94109
916.922.2300

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO

PROJECT: **NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)**

SHEET TITLE: **GRADING PROFILES SITES 10 & 9**

COUNTY OF NAPA - PUBLIC WORKS

NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

REVIEWED: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

DATE: 10/2019 SCALE: AS SHOWN

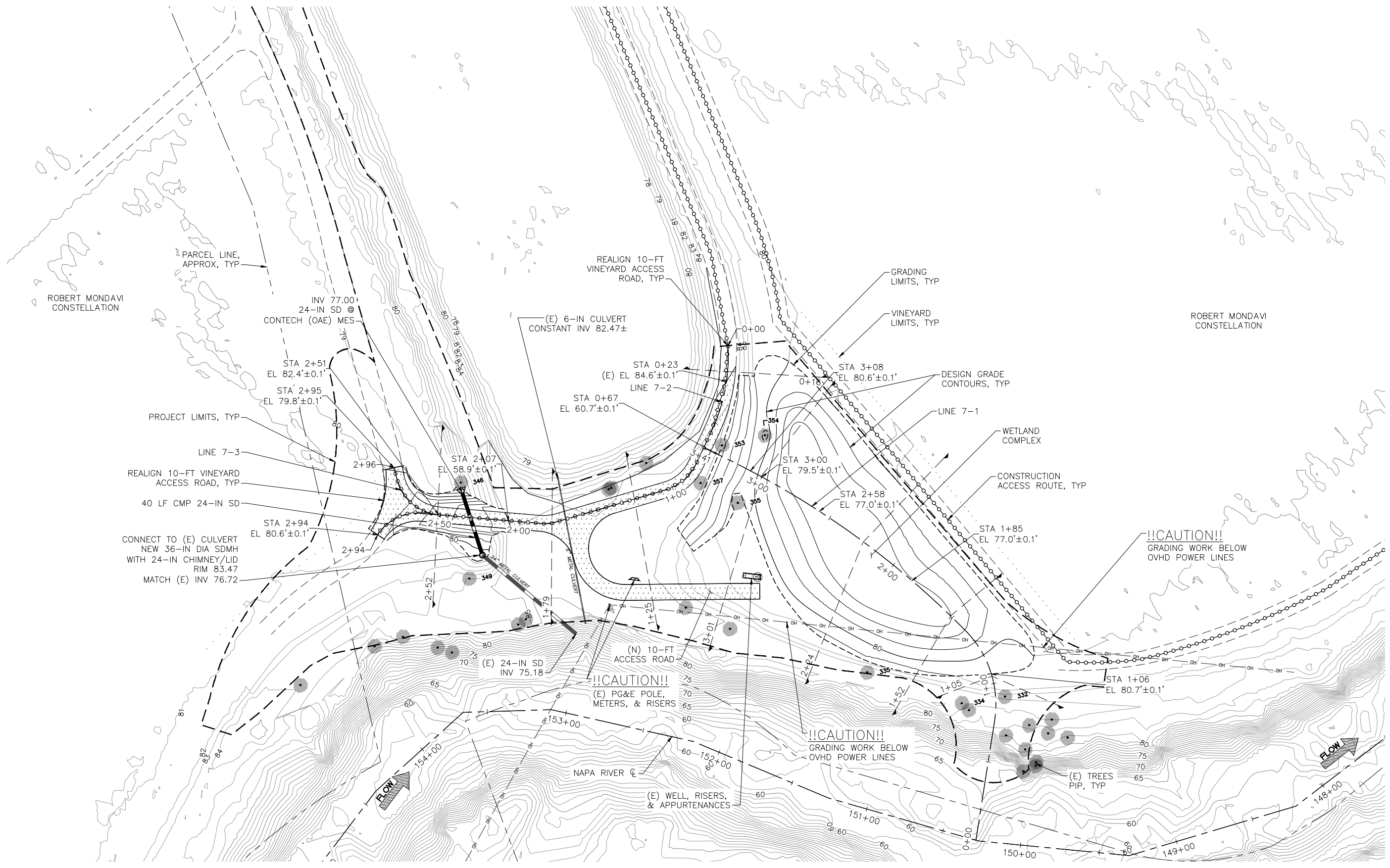
COUNTY PROJECT NO.: PW XX-XX

SPECIFICATION NO.: PW XX-XX

SHEET NO.: **24 OF 67**

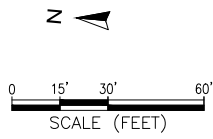
DWG NO.: **C-09**

**DRAFT 65%
NOT FOR CONSTRUCTION**



- NOTES:
1. CONTRACTOR SHALL PROVIDE GRADE STAKES PER PLAN. GRADING TO BE CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 2. CONTRACTOR SHALL PROVIDE STAKES TO LAYOUT STRUCTURE LOCATION AND ORIENTATION PER PLAN. ENHANCEMENT STRUCTURE LOCATIONS TO BE REVIEWED, CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 3. OVEREXCAVATE AND PLACE 6-INCH LAYER OF PLANTING TOPSOIL WHERE DEPTH OF CUT EXCEEDS 12 INCHES, SEE SPECIFICATIONS.
 4. PRESERVE TREES WHERE EXCAVATION IS LESS THAN 3' DEEP.

GRADING PLAN - SITE 7
PLAN VIEW SCALE: 1" = 30'



PLOT DATE: 11/17/2019 6:59 PM
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ESA
 565 Henry Street
 Suite 800
 Oakland, CA 94612
 415.862.3300
 FAX: 415.862.3300

DESIGNED BY: JORGEN BLOMBERG, ANNE BORGONOVO
 IN CHARGE: ANNE BORGONOVO
 CHECKED BY: JORGEN BLOMBERG, ANNE BORGONOVO
 DRAWN BY: GREG WESSMANN, LANCE WARE

PROJECT: **NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)**

SHEET TITLE: **GRADING PLAN - SITE 7**

COUNTY OF NAPA - PUBLIC WORKS

REVIEWER: XXX XXX, PE
 APPROVAL RECOMMENDED: XXX XXX, PE
 APPROVED: XXX XXX, PE
 DATE:

NAPA COUNTY DEPARTMENT
 OF PUBLIC WORKS
 1195 THIRD ST, SUITE 101
 NAPA, CA 94549

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

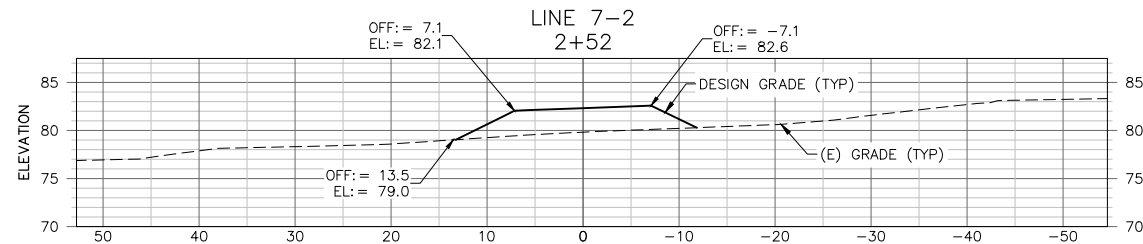
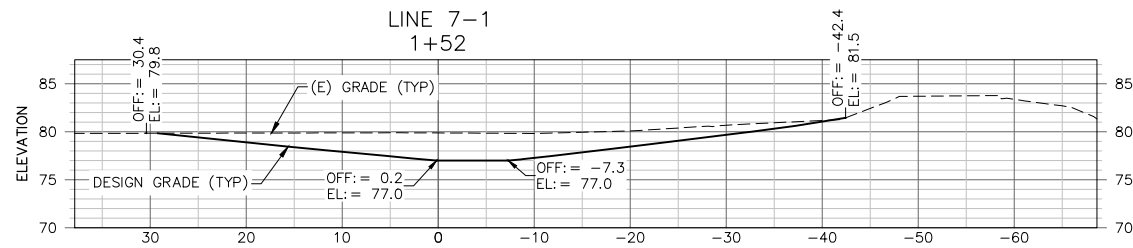
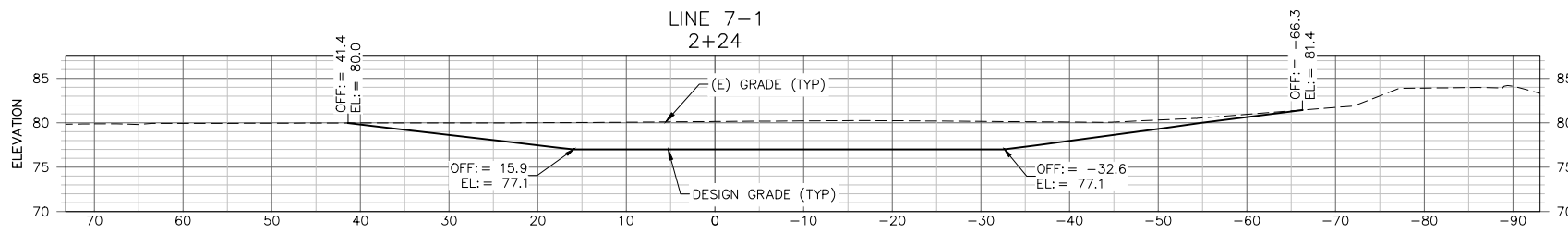
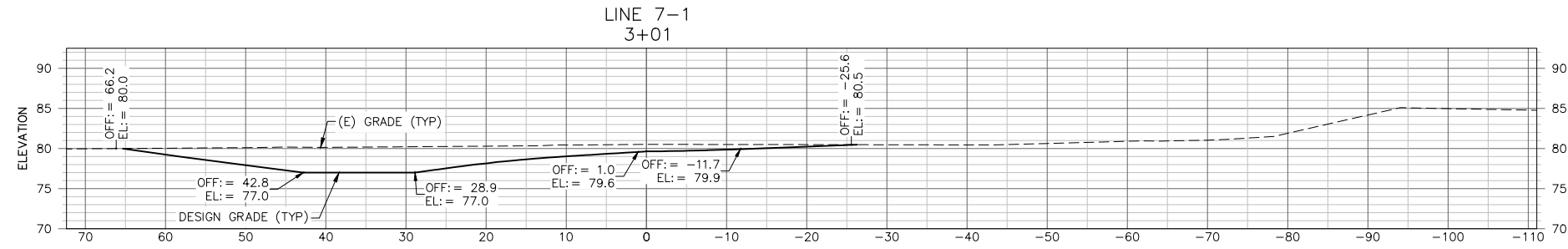
SPECIFICATION NO.: PW XX-XX

SHEET NO.: **25 OF 67**

DWG NO.: **C-10**

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NOT FOR CONSTRUCTION**

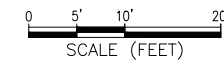
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GRADING SECTIONS -SITE 7 (1 OF 1)

SECTION VIEW

SCALE: 1" = 10'



ESA
 515 Henry Street
 Suite 800
 CA 94109
 415.832.2300
 FAX 415.832.2300

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
 IN CHARGE: ANNE BERGONDOVO C03102

DRAWN BY: GREG WESSMANN, LANE WADE
 DESIGNED BY: JORGEN BLOMBERG, SCOTT SMITH

PROJECT: NAPA RIVER RESTORATION PROJECT
 OAKVILLE TO OAK KNOLL
 REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: GRADING SECTIONS -SITE 7 (1 OF 1)

COUNTY OF NAPA - PUBLIC WORKS

REVIEWER: XXX XXX, PE
 APPROVAL RECOMMENDED: XXX XXX, PE
 APPROVED: XXX XXX, PE
 DATE:

COUNTY OF NAPA - PUBLIC WORKS

NAPA COUNTY DEPARTMENT OF PUBLIC WORKS
 1195 THIRD ST, SUITE 101
 NAPA, CA 94549

A Tradition of Stewardship
 A Commitment to Service

DATE: 10/2019 SCALE: AS SHOWN

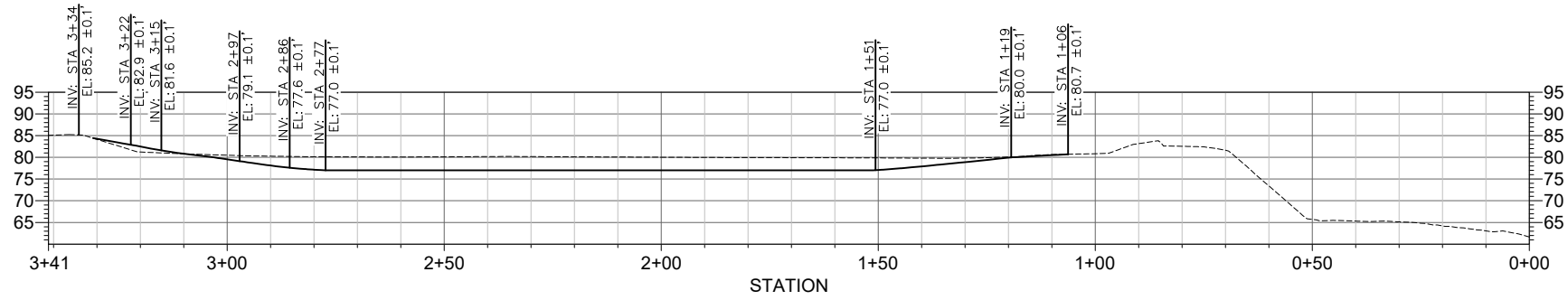
COUNTY PROJECT NO.: PW XX-XX

SPECIFICATION NO.: PW XX-XX

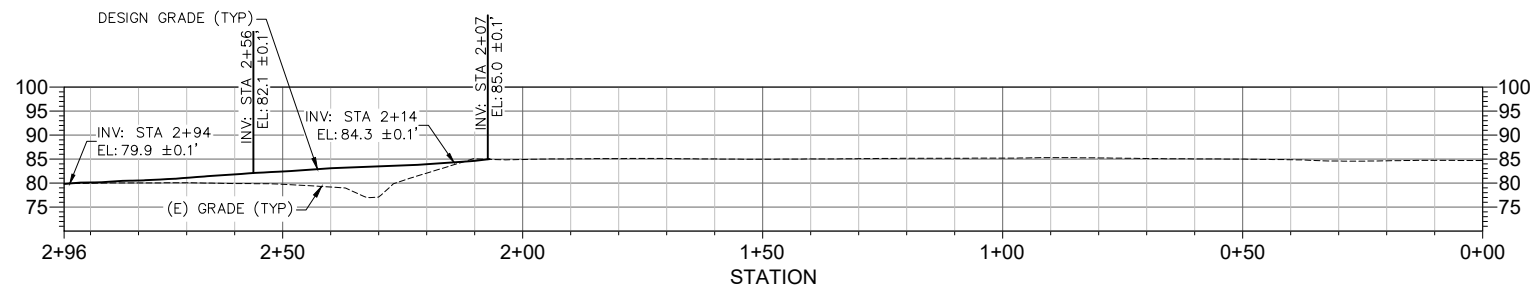
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DWG NO.: **C-11**

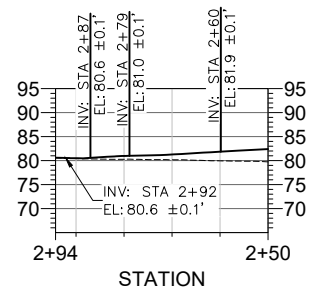
**DRAFT 65%
NOT FOR CONSTRUCTION**



GRADING PROFILES LINE 7-1 (SITE 7)
PROFILE VIEW SCALE: 1" = 20'



GRADING PROFILES LINE 7-2 (SITE 7)
PROFILE VIEW SCALE: 1" = 20'



GRADING PROFILES LINE 7-3 (SITE 7)
PROFILE VIEW SCALE: 1" = 20'



PLOT DATE: 11/7/2019 7:00 PM
LAST SAVE DATE: 11/6/2019 4:28 PM
FILE: K:\PROJECTS\2012\120076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\GRADING PROFILES.DWG

ESA
510 Henry Street
Suite 800
Oakville, CA 94109
916.832.2300

DESIGNED: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO

PROJECT: **NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)**

SHEET TITLE: **GRADING PROFILES SITE 7**

COUNTY OF NAPA - PUBLIC WORKS

NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

REVIEWER: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

DATE: 10/2019 SCALE: AS SHOWN

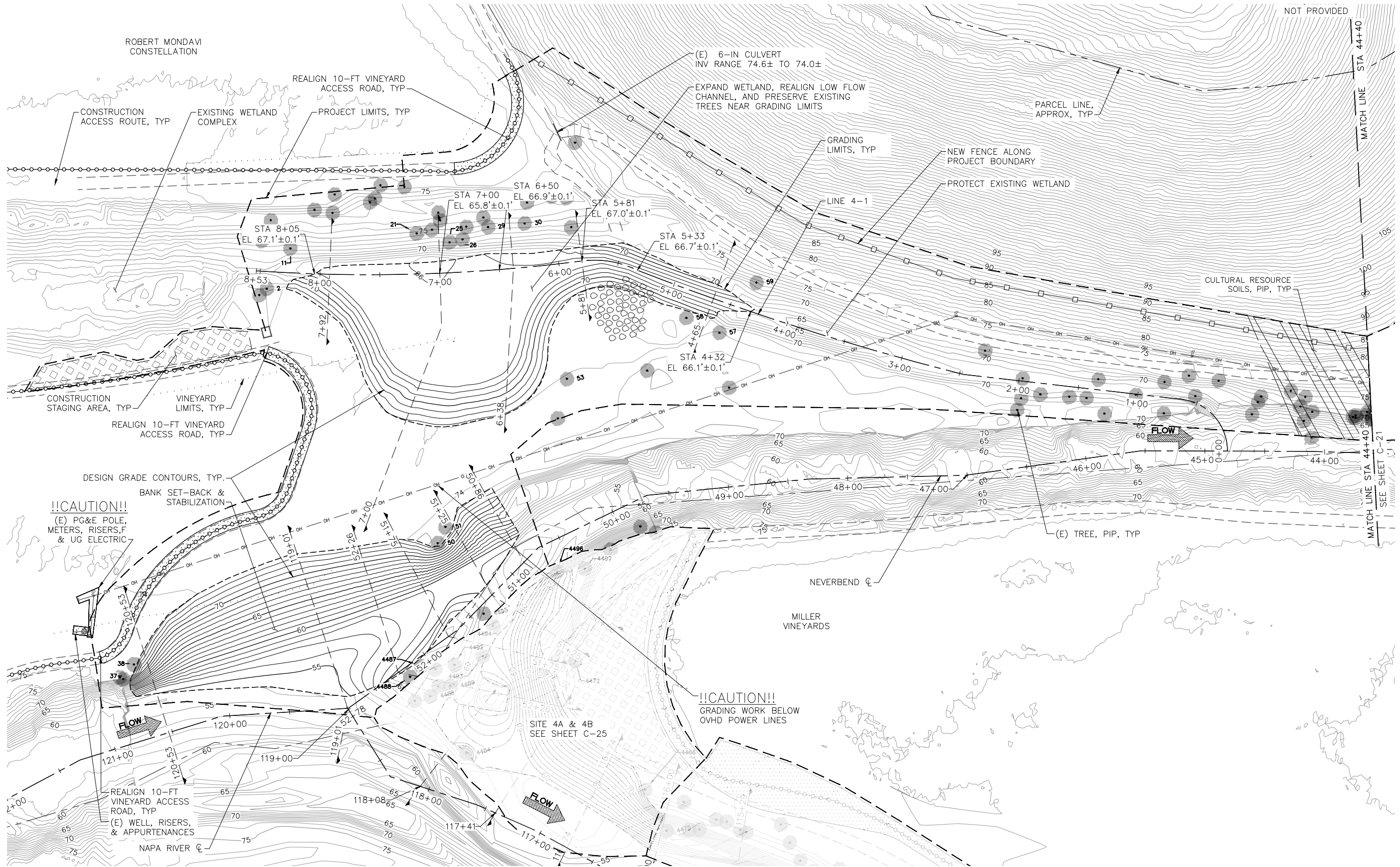
COUNTY PROJECT NO.: PW XX-XX

SPECIFICATION NO.: PW XX-XX

SHEET NO.: **27 OF 67**

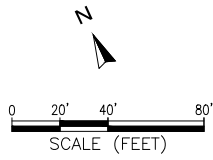
DWG NO.: **C-12**

**DRAFT 65%
NOT FOR CONSTRUCTION**



- NOTES:**
1. CONTRACTOR SHALL PROVIDE GRADE STAKES PER PLAN. GRADING TO BE CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 2. CONTRACTOR SHALL PROVIDE STAKES TO LAYOUT STRUCTURE LOCATION AND ORIENTATION PER PLAN. ENHANCEMENT STRUCTURE LOCATIONS TO BE REVIEWED, CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 3. OVEREXCAVATE AND PLACE 6-INCH LAYER OF PLANTING TOPSOIL WHERE DEPTH OF CUT EXCEEDS 12 INCHES, SEE SPECIFICATIONS.
 4. PRESERVE TREES WHERE EXCAVATION IS LESS THAN 3' DEEP.

GRADING PLAN - SITE 4
PLAN VIEW SCALE: 1" = 40'



PLOT DATE: 11/7/2019 7:01 PM
LAST SAVE DATE: 11/7/2019 6:34 PM
FILE K:\PROJECTS\2012\120076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL DESIGN\GROUP D\GRADING PLANS.DWG

ESA
565 Henry Street
Suite 800
Oakville, CA 94109
915.932.2300
www.esa.com

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO, SCOTT SMITH

PROJECT: **NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)**

SHEET TITLE: **GRADING PLAN - SITE 4**

COUNTY OF NAPA - PUBLIC WORKS

REVIEWER: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

COUNTY OF NAPA
NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

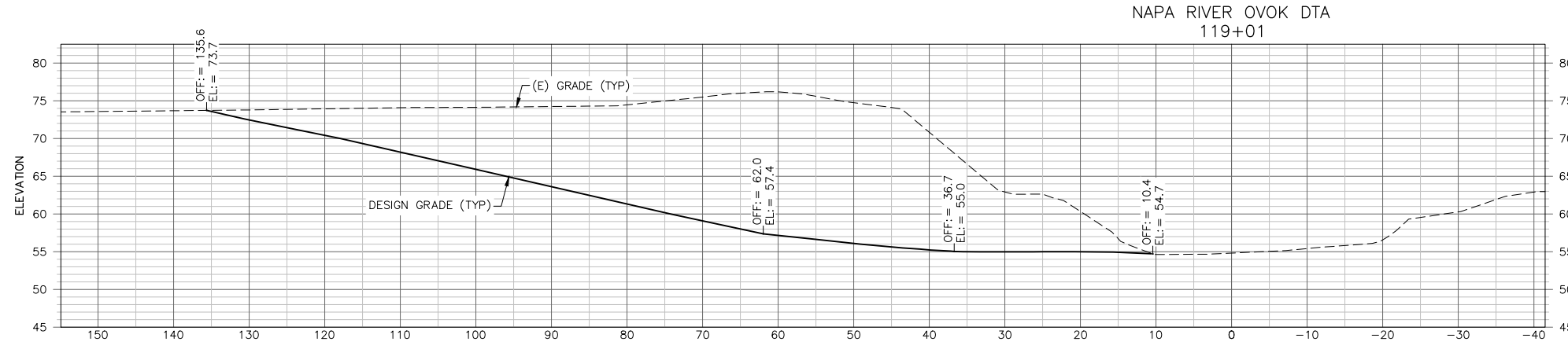
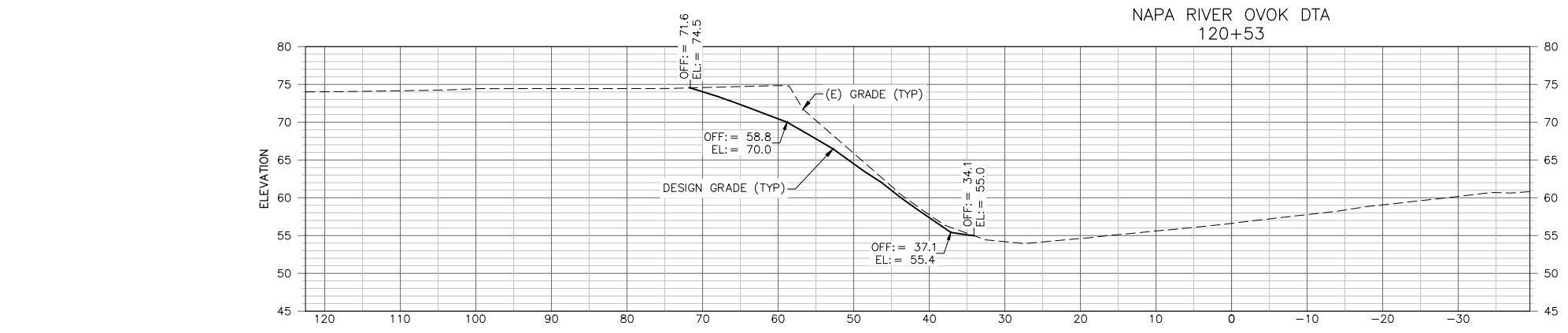
SPECIFICATION NO.: PW XX-XX

SHEET NO.: **28 OF 67**

DWG NO.: **C-13**

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NOT FOR CONSTRUCTION**

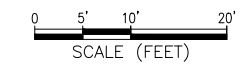
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GRADING SECTIONS - SITE 4 (1 OF 5)

SECTION VIEW

SCALE: 1" = 10'



ESA
 515 McKay Street
 Suite 800
 Napa, CA 94559
 707.252.2300

DESIGNED: JORGEN BLOMBERG, LANE WADE
 IN CHARGE: JORGEN BLOMBERG, SCOTT SMITH

ORDERED: JORGEN BLOMBERG, ANN BERGONDOVO
 DATE: 11/19/2019

PROJECT: NAPA RIVER RESTORATION PROJECT
 OAKVILLE TO OAK KNOLL
 REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: GRADING SECTIONS - SITE 4 (1 OF 5)

REVIEWED:	XXX XXX, PE
APPROVAL RECOMMENDED:	XXX XXX, PE
APPROVED:	XXX XXX, PE
DATE:	

COUNTY OF NAPA - PUBLIC WORKS

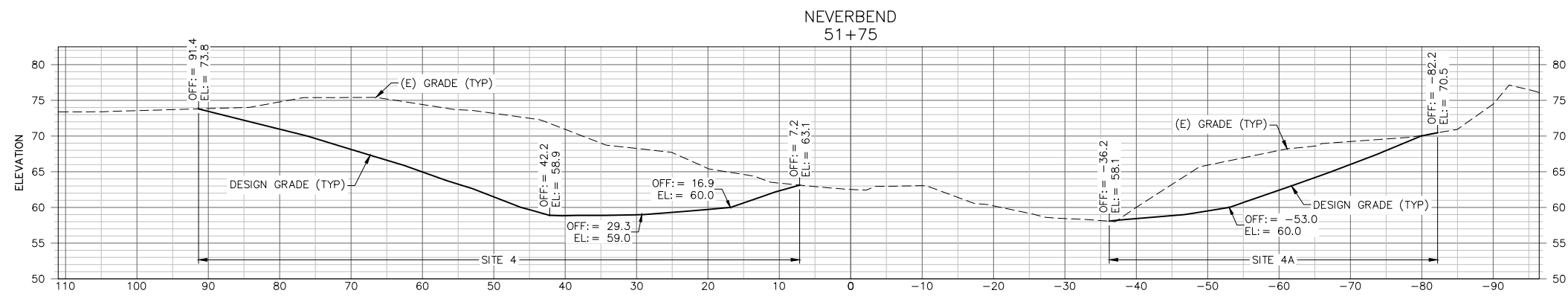
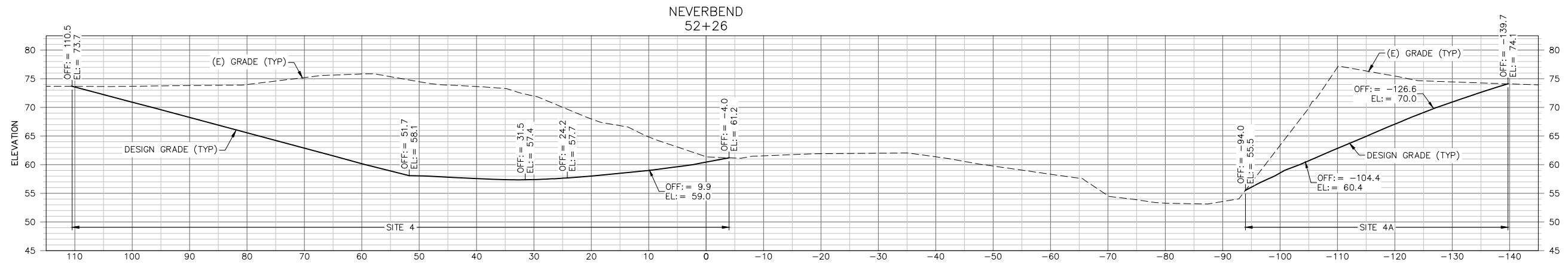
NAPA COUNTY DEPARTMENT
 OF PUBLIC WORKS
 1195 THIRD ST, SUITE 101
 NAPA, CA 94549

A Tradition of Stewardship
 A Commitment to Service

DATE	10/2019	SCALE	AS SHOWN
COUNTY PROJECT NO.	PW XX-XX		
SPECIFICATION NO.	PW XX-XX		
SHEET NO.	29	OF	67
DWG NO.	C-14		

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PLOT DATE: 11/7/2019 7:01 PM
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GRADING SECTIONS - SITE 4 (2 OF 5)

SECTION VIEW

SCALE: 1" = 10'



ESA
 515 Henry Street
 Suite 800
 CA 94109
 415.822.2300
 FAX: 415.822.2300

DESIGNED: JORGEN BLOMBERG, ANNE BERGONDOVO
 IN CHARGE: ANNE BERGONDOVO C033102

PROJECT: NAPA RIVER RESTORATION PROJECT
 OAKVILLE TO OAK KNOLL
 REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: GRADING SECTIONS - SITE 4 (2 OF 5)

COUNTY OF NAPA - PUBLIC WORKS

REVIEWED: XXX XXX, PE
 APPROVAL RECOMMENDED: XXX XXX, PE
 APPROVED: XXX XXX, PE
 DATE:

COUNTY OF NAPA
 NAPA COUNTY DEPARTMENT
 OF PUBLIC WORKS
 1195 THIRD ST, SUITE 101
 NAPA, CA 94549

A Tradition of Stewardship
 A Commitment to Service

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

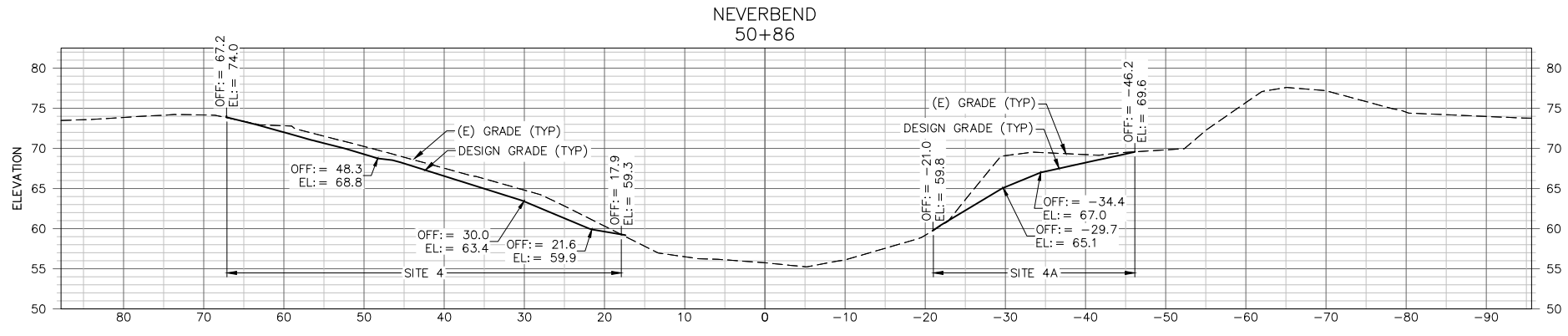
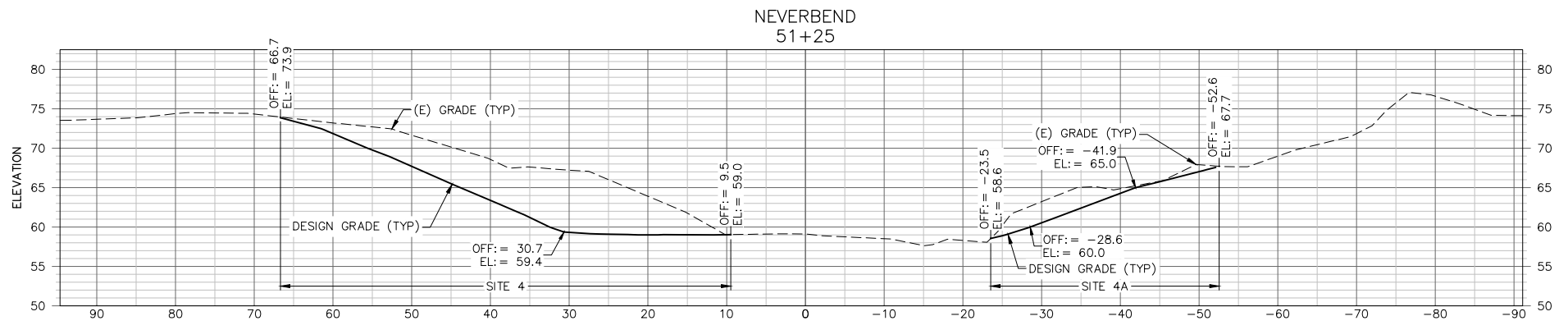
SPECIFICATION NO.: PW XX-XX

SHEET NO.: **30** OF **67**

DWG NO.: **C-15**

**DRAFT 65%
NOT FOR CONSTRUCTION**

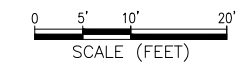
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GRADING SECTIONS - SITE 4 (3 OF 5)

SECTION VIEW

SCALE: 1" = 10'



ESA
 515 Hasty Street
 Suite 800
 San Francisco, CA 94109
 415.832.2300
 FAX: 415.832.2300

DESIGNED: JORGEN BLOMBERG, LANE WADE
 IN CHARGE: JORGEN BLOMBERG, SCOTT SMITH
 DRAWN: GREG WESSMANN, LANE WADE
 CHECKED: JORGEN BLOMBERG, ANN BERGONDOVO
 PROJECT NO: ANN BERGONDOVO 003102

PROJECT: **NAPA RIVER RESTORATION PROJECT
 OAKVILLE TO OAK KNOLL
 REACH - GROUP D (PHASE 1 AND PHASE 2)**

SHEET TITLE: **GRADING SECTIONS - SITE 4 (3 OF 5)**

COUNTY OF NAPA - PUBLIC WORKS

REVIEWED: XXX XXX, PE
 APPROVAL RECOMMENDED: XXX XXX, PE
 APPROVED: XXX XXX, PE
 DATE:

NAPA COUNTY DEPARTMENT
 OF PUBLIC WORKS
 1195 THIRD ST, SUITE 101
 NAPA, CA 94549

A Tradition of Stewardship
 A Commitment to Service

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO: PW XX-XX

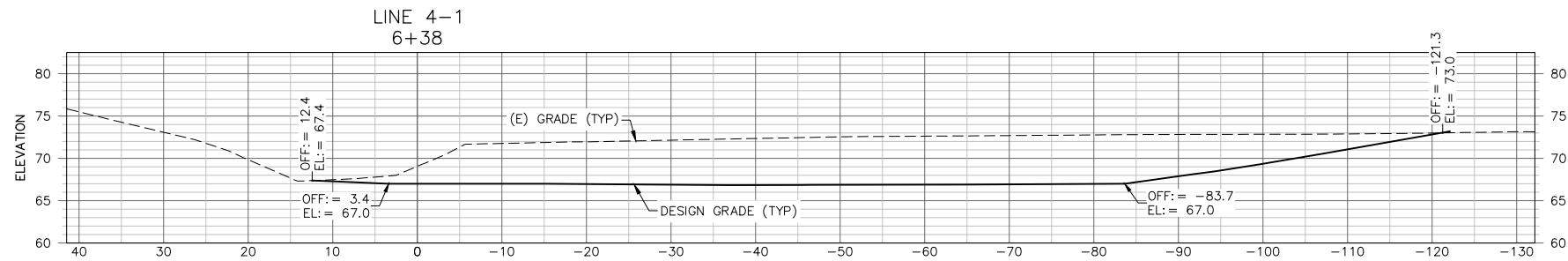
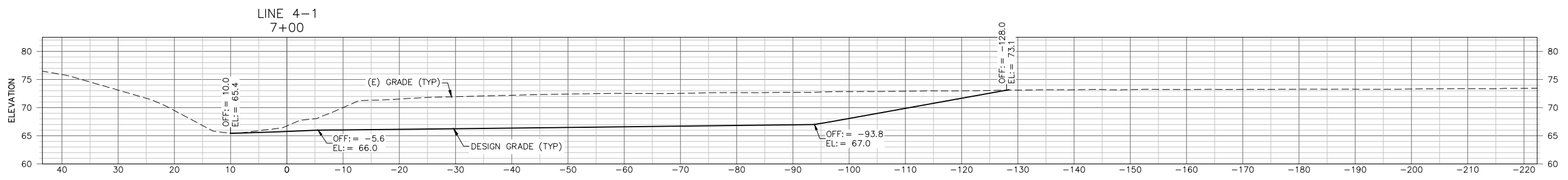
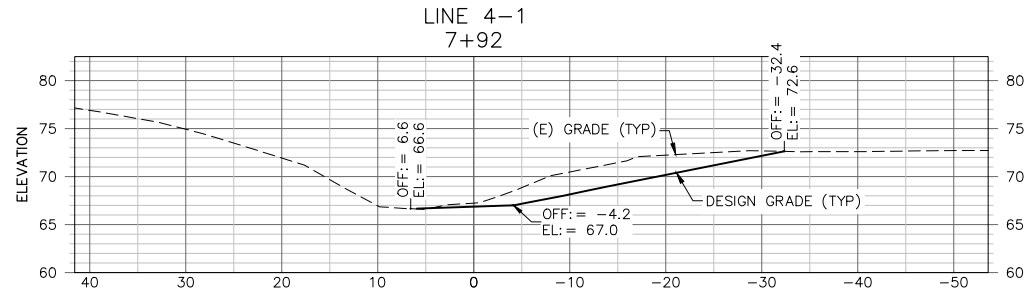
SPECIFICATION NO: PW XX-XX

SHEET NO: **31 OF 67**

DWG NO: **C-16**

**DRAFT 65%
NOT FOR CONSTRUCTION**

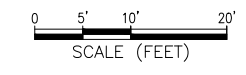
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 FILE: K:\PROJECTS\2012\120076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\GRADING SECTIONS.DWG



GRADING SECTIONS - SITE 4 (4 OF 5)

SECTION VIEW

SCALE: 1" = 10'



ESA
 515 Henry Street
 Suite 800
 San Francisco, CA 94109
 415.862.2300
 FAX: 415.862.2300

DESIGNED BY: JORGEN BLOMBERG, ANNE WARE
 CHECKED BY: JORGEN BLOMBERG, ANNE WARE
 IN CHARGE: ANNE WARE

PROJECT: **NAPA RIVER RESTORATION PROJECT
 OAKVILLE TO OAK KNOLL
 REACH - GROUP D (PHASE 1 AND PHASE 2)**

SHEET TITLE: **GRADING SECTIONS - SITE 4 (4 OF 5)**

COUNTY OF NAPA - PUBLIC WORKS

REVIEWED: XXX XXX, PE
 APPROVAL RECOMMENDED: XXX XXX, PE
 APPROVED: XXX XXX, PE
 DATE:

NAPA COUNTY DEPARTMENT
 OF PUBLIC WORKS
 1195 THIRD ST, SUITE 101
 NAPA, CA 94549

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

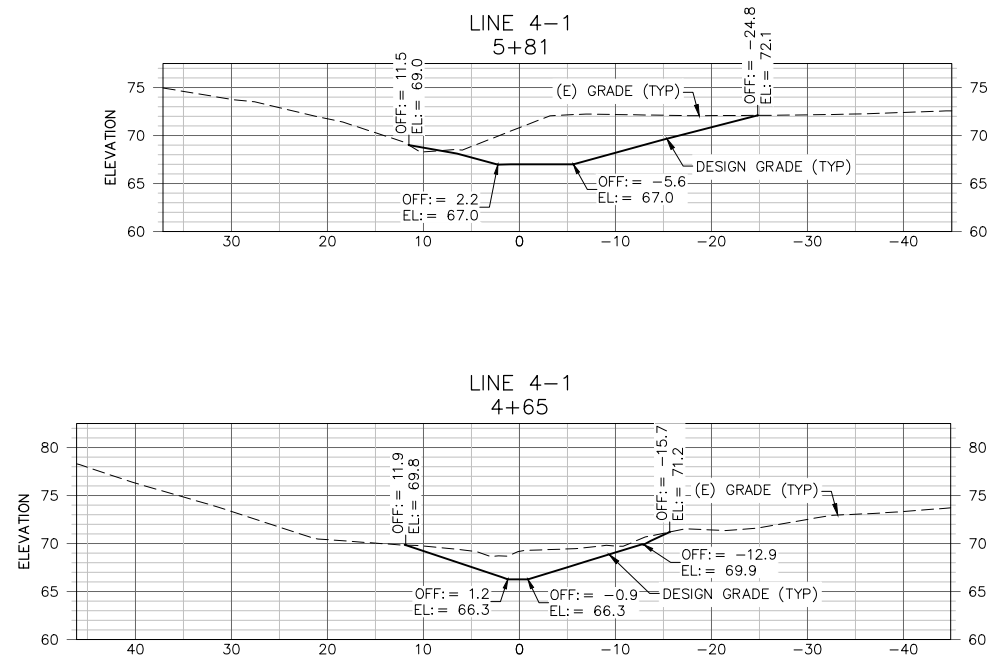
SPECIFICATION NO.: PW XX-XX

SHEET NO.: **32 OF 67**

DWG NO.: **C-17**

**DRAFT 65%
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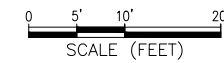
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FILE K:\PROJECTS\2012\120076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\GRADING SECTIONS.DWG




GRADING SECTIONS - SITE 4 (5 OF 5)

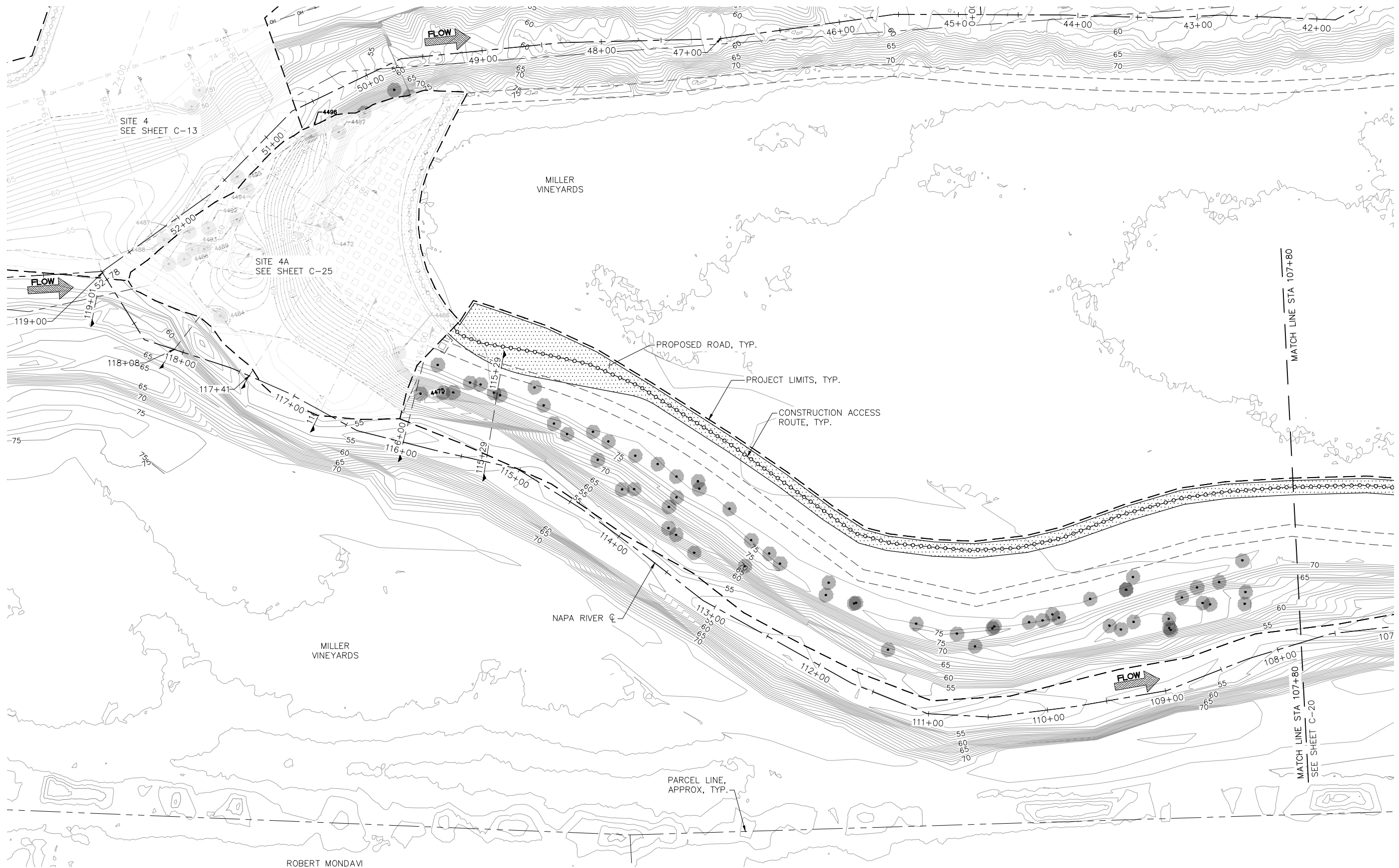
SECTION VIEW

SCALE: 1" = 10'



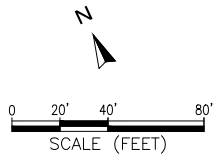
	515 McKay Street Suite 800 San Francisco, CA 94109 415.832.2300
DRAWN: GREG WESSMANN, LANE WARE	DESIGNED: JORGEN BLOMBERG, ANNE BERGONDOVO
CHECKED: JORGEN BLOMBERG, ANNE BERGONDOVO	IN CHARGE: ANNE BERGONDOVO
PROJECT: NAPA RIVER RESTORATION PROJECT OAKVILLE TO OAK KNOLL REACH - GROUP D (PHASE 1 AND PHASE 2)	
SHEET TITLE: GRADING SECTIONS - SITE 4 (5 OF 5)	
COUNTY OF NAPA - PUBLIC WORKS	NAPA COUNTY DEPARTMENT OF PUBLIC WORKS 1195 THIRD ST, SUITE 101 NAPA, CA 94549
REVIEWED: XXX XXX, PE	APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE	DATE:
DATE: 10/2019	SCALE: AS SHOWN
COUNTY PROJECT NO. PW XX-XX	SPECIFICATION NO. PW XX-XX
SHEET NO. 33 OF 67	DWG NO. C-18

**DRAFT 65%
NOT FOR CONSTRUCTION**



- NOTES:
1. CONTRACTOR SHALL PROVIDE GRADE STAKES PER PLAN. GRADING TO BE CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 2. CONTRACTOR SHALL PROVIDE STAKES TO LAYOUT STRUCTURE LOCATION AND ORIENTATION PER PLAN. ENHANCEMENT STRUCTURE LOCATIONS TO BE REVIEWED, CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 3. OVEREXCAVATE AND PLACE 6-INCH LAYER OF PLANTING TOPSOIL WHERE DEPTH OF CUT EXCEEDS 12 INCHES, SEE SPECIFICATIONS.
 4. PRESERVE TREES WHERE EXCAVATION IS LESS THAN 3' DEEP.

GRADING PLAN - SITE 4B
PLAN VIEW SCALE: 1" = 40'



PLOT DATE: 11/17/2019 7:03 PM
 LAST SAVE DATE: 11/17/2019 6:34 PM
 FILE K:\PROJECTS\2012\120076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL\DESIGN\GROUP D\GRADING PLANS.DWG

ESA
 565 Henry Street
 Suite 800
 Napa, CA 94559
 707.252.2300
 www.esa-engineers.com

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDO
 IN CHARGE: ANNE BERGONDO
 CHECKED BY: JORGEN BLOMBERG, ANNE BERGONDO
 DATE: 11/17/2019

PROJECT: **NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)**

SHEET TITLE: **GRADING PLAN - SITE 4B**

COUNTY OF NAPA - PUBLIC WORKS

REVIEWED: XXX XXX, PE
 APPROVAL RECOMMENDED: XXX XXX, PE
 APPROVED: XXX XXX, PE
 DATE:

COUNTY OF NAPA - PUBLIC WORKS

**NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS**
 1195 THIRD ST, SUITE 101
 NAPA, CA 94549

DATE: 10/2019 SCALE: AS SHOWN

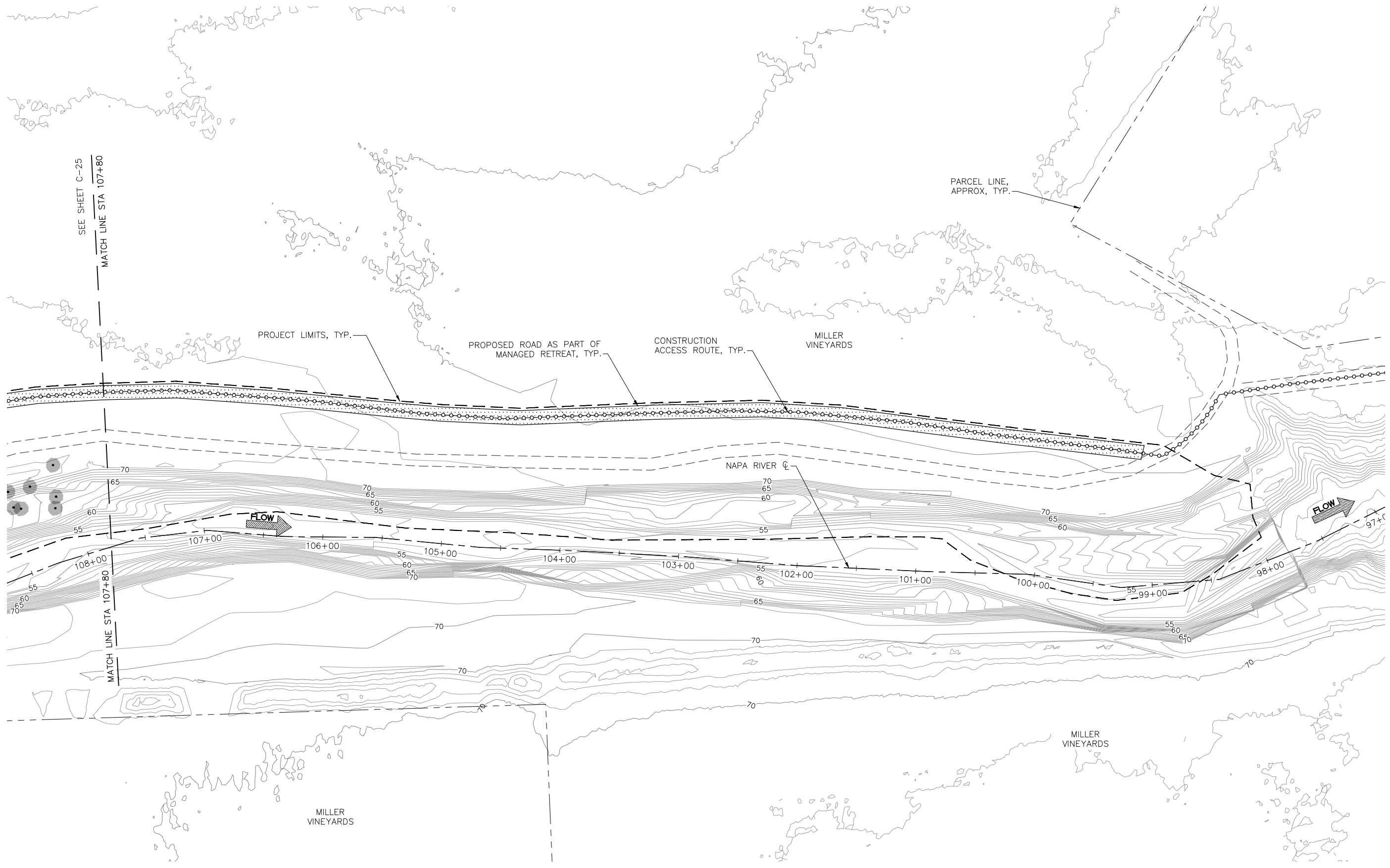
COUNTY PROJECT NO.: PW XX-XX

SPECIFICATION NO.: PW XX-XX

SHEET NO.: **34 OF 67**

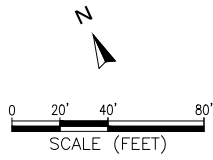
DWG NO.: **C-19**

**DRAFT 65%
NOT FOR CONSTRUCTION**



- NOTES:
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 4. PRESERVE TREES WHERE EXCAVATION IS LESS THAN 3' DEEP.

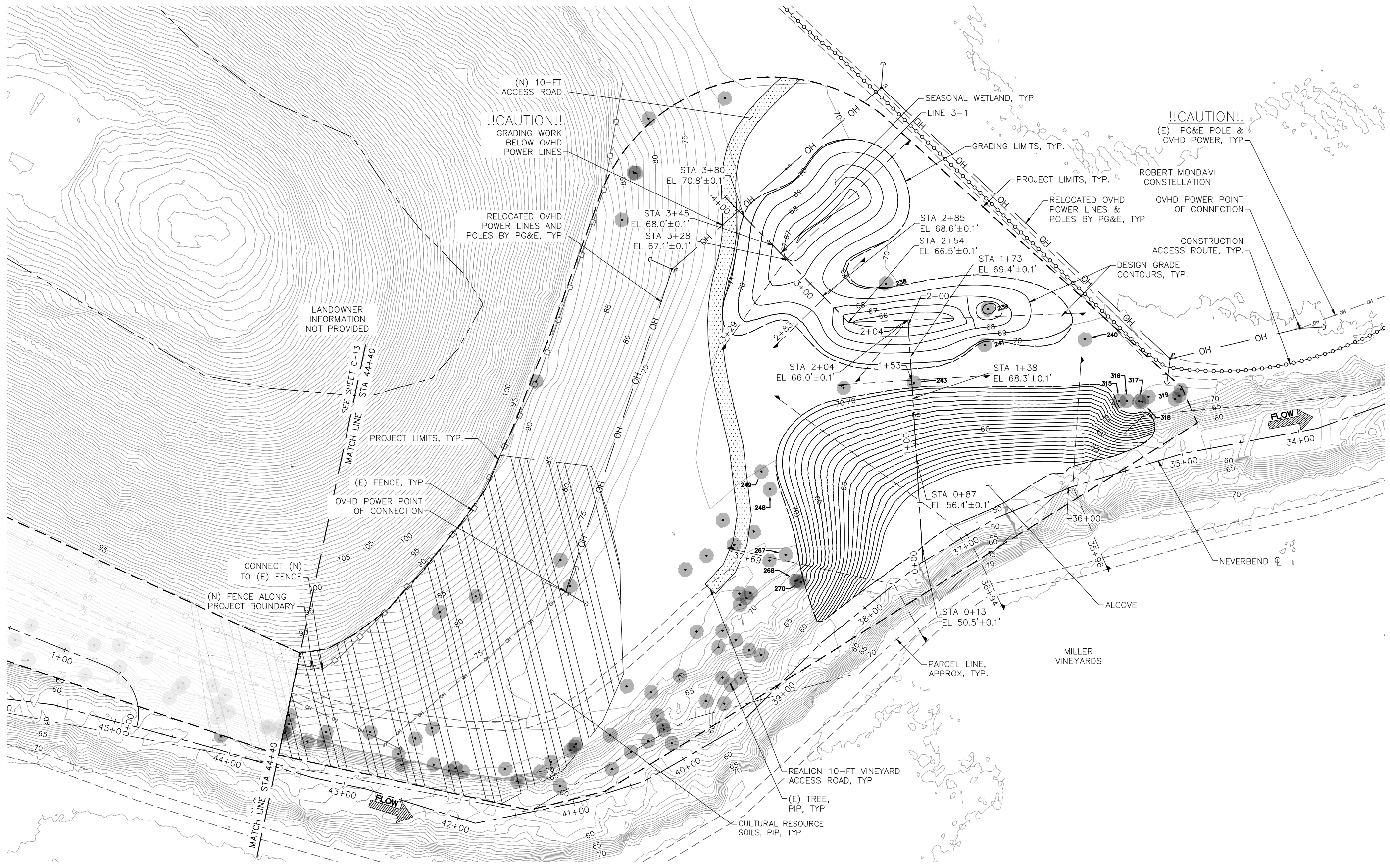
GRADING PLAN - SITE 4B CONTINUED
PLAN VIEW SCALE: 1" = 40'



PLOT DATE: 11/17/2019 7:03 PM
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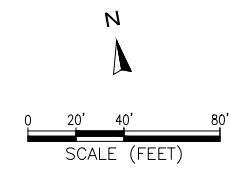
		515 Henry Street Suite 800 Napa, CA 94559 707.252.2300	
DRAWN: GREG WESSMANN, LAKE WADE	CHECKED: JORGEN BLOMBERG, ANN BERGONDOVO	DESIGNED: JORGEN BLOMBERG, SCOTT SMITH	IN CHARGE: ANN BERGONDOVO
PROJECT: NAPA RIVER RESTORATION PROJECT OAKVILLE TO OAK KNOLL REACH - GROUP D (PHASE 1 AND PHASE 2)		SHEET TITLE: GRADING PLAN - SITE 4B CONTINUED	
COUNTY OF NAPA - PUBLIC WORKS		NAPA COUNTY DEPARTMENT OF PUBLIC WORKS 1195 THIRD ST, SUITE 101 NAPA, CA 94549	
DATE: 10/2019	SCALE: AS SHOWN	COUNTY PROJECT NO. PW XX-XX	
SPECIFICATION NO. PW XX-XX		SHEET NO. 35 OF 67	
DWG NO. C-20			

**DRAFT 65%
NOT FOR CONSTRUCTION**



- NOTES:**
1. CONTRACTOR SHALL PROVIDE GRADE STAKES PER PLAN. GRADING TO BE CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
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 4. PRESERVE TREES WHERE EXCAVATION IS LESS THAN 3' DEEP.

GRADING - SITE 3
PLAN VIEW SCALE: 1" = 40'

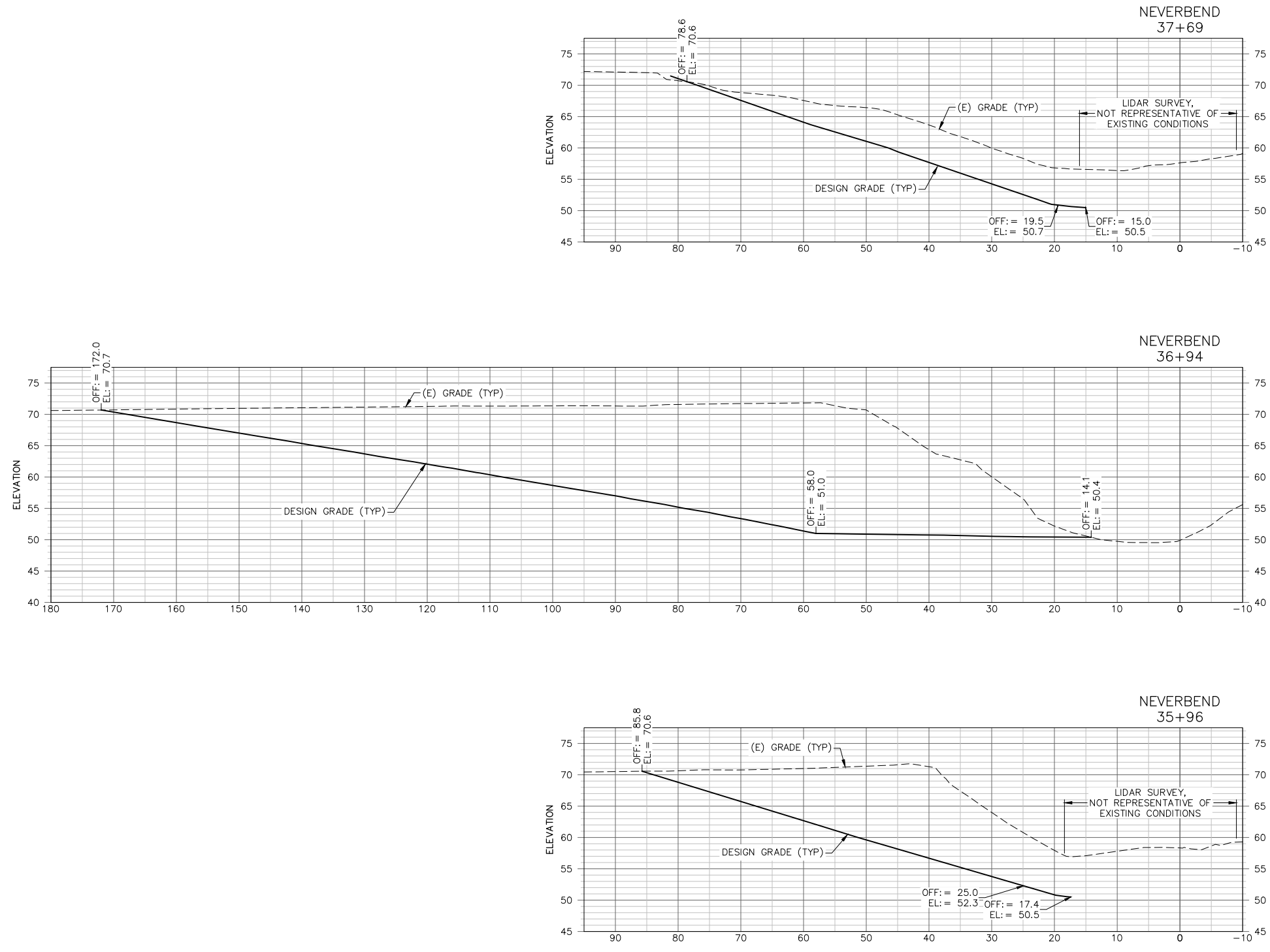


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		565 Henry Street Suite 800 Oakville, CA 94109 916.922.2300	
DRAWN: GREG WESSMANN, LAND MAKE	CHECKED: JORGEN BLOMBERG, ANN BORGONOVO	DESIGNED: JORGEN BLOMBERG, SCOTT SMITH	IN CHARGE: ANN BORGONOVO
PROJECT: NAPA RIVER RESTORATION PROJECT OAKVILLE TO OAK KNOLL REACH - GROUP D (PHASE 1 AND PHASE 2)			
SHEET TITLE: GRADING PLAN - SITE 3			
COUNTY OF NAPA - PUBLIC WORKS		NAPA COUNTY DEPARTMENT OF PUBLIC WORKS 1195 THIRD ST, SUITE 101 NAPA, CA 94549	
REVIEWED: XXX XXX, PE	APPROVAL RECOMMENDED: XXX XXX, PE	APPROVED: XXX XXX, PE	DATE:
DATE: 10/2019	SCALE: AS SHOWN	COUNTY PROJECT NO.: PW XX-XX SPECIFICATION NO.: PW XX-XX	
SHEET NO.: 36 OF 67		DWG NO.: C-21	

**DRAFT 65%
NOT FOR CONSTRUCTION**

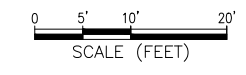
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GRADING SECTIONS - SITE 3 (1 OF 2)

SECTION VIEW

SCALE: 1" = 10'



ESA
 515 Henry Street
 Suite 800
 San Francisco, CA 94109
 415.424.2300
 FAX: 415.424.2300

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
 DRAWN BY: GREG WESSMANN, LAKE WADE
 IN CHARGE: JORGEN BLOMBERG, SCOTT SMITH

PROJECT: **NAPA RIVER RESTORATION PROJECT
 OAKVILLE TO OAK KNOLL
 REACH - GROUP D (PHASE 1 AND PHASE 2)**

SHEET TITLE: **GRADING SECTIONS - SITE 3 (1 OF 2)**

COUNTY OF NAPA - PUBLIC WORKS

NAPA COUNTY DEPARTMENT
 OF PUBLIC WORKS
 1195 THIRD ST, SUITE 101
 NAPA, CA 94549

REVIEWER: XXX XXX, PE
 APPROVAL RECOMMENDED: XXX XXX, PE
 APPROVED: XXX XXX, PE
 DATE:

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

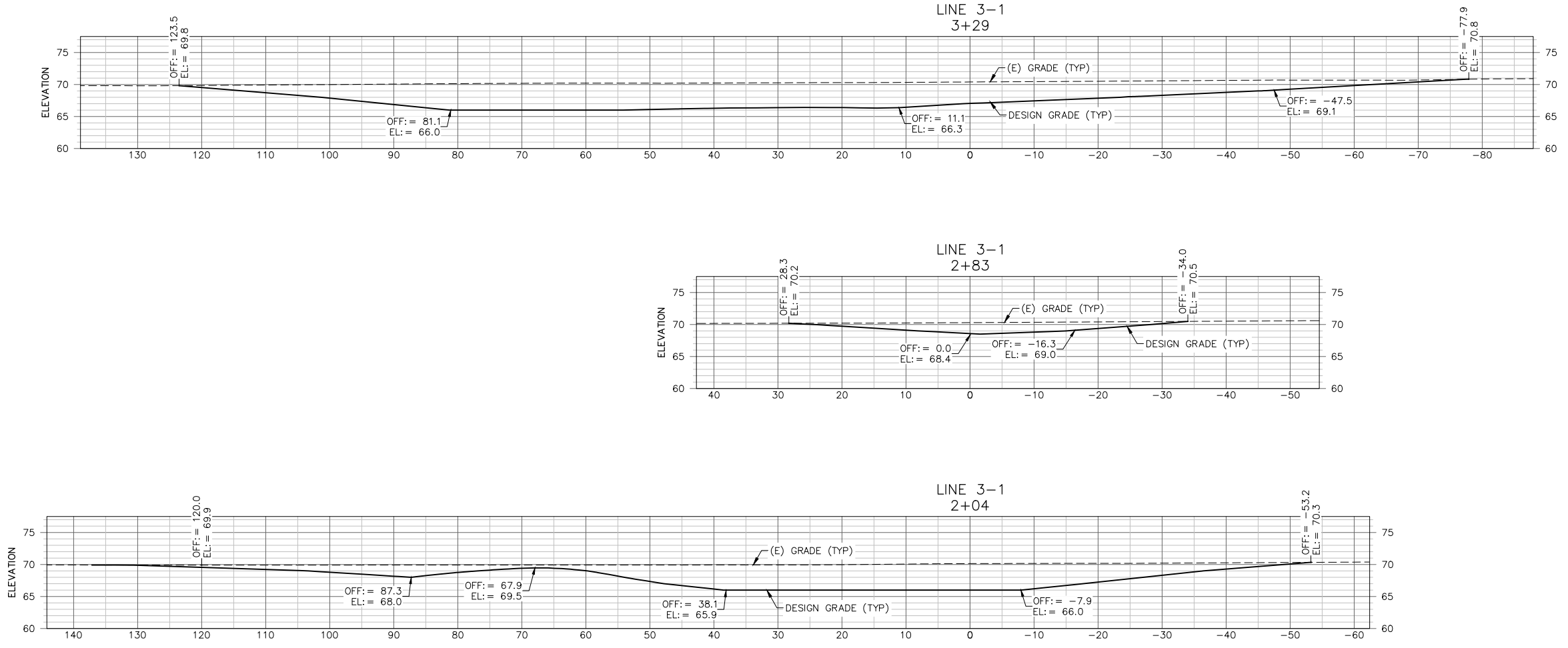
SPECIFICATION NO.: PW XX-XX

SHEET NO.: **37 OF 67**

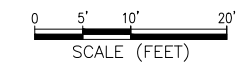
DWG NO.: **C-22**

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NOT FOR CONSTRUCTION**

PLOT DATE: 11/17/2019 7:04 PM
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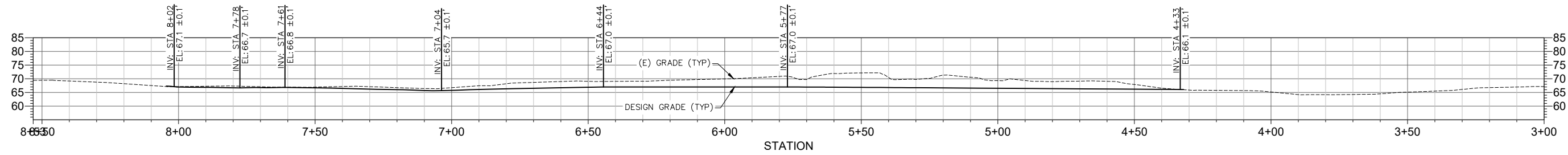


GRADING SECTIONS - SITE 3 (2 OF 2)
 SECTION VIEW SCALE: 1" = 10'

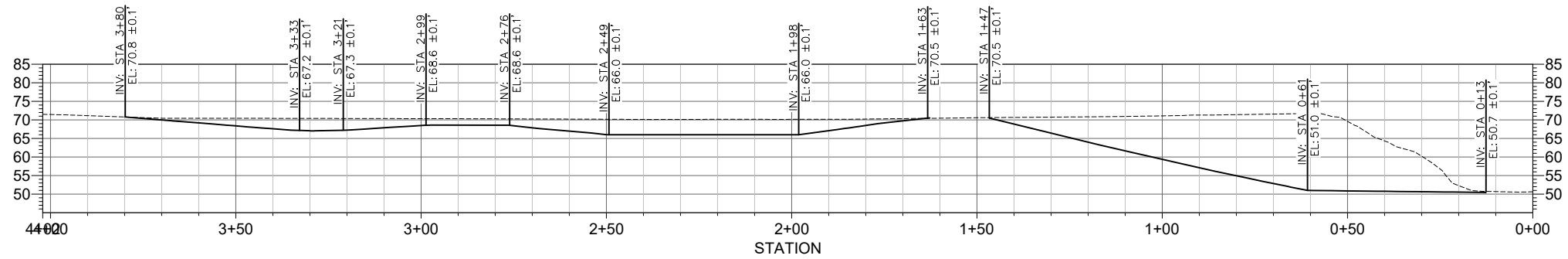


	515 McKay Street Suite 800 CA 94109 415.822.2300	DESIGNED: JORGEN BLOMBERG, ANNE WARE	CHECKED: JORGEN BLOMBERG, ANNE WARE
	DRAWN: GREG WESSMANN, ANNE WARE	IN CHARGE: JORGEN BLOMBERG, SCOTT SMITH	PROJECT: NAPA RIVER RESTORATION PROJECT OAKVILLE TO OAK KNOLL REACH - GROUP D (PHASE 1 AND PHASE 2)
COUNTY OF NAPA - PUBLIC WORKS		NAPA COUNTY DEPARTMENT OF PUBLIC WORKS 1195 THIRD ST, SUITE 101 NAPA, CA 94549	
DATE: 10/2019	SCALE: AS SHOWN	COUNTY PROJECT NO. PW XX-XX	SPECIFICATION NO. PW XX-XX
SHEET NO. 38 OF 67		DWG NO. C-23	

**DRAFT 65%
NOT FOR CONSTRUCTION**



GRADING PROFILES LINE 4-1 (SITE 4)
PROFILE VIEW SCALE: 1" = 20'



GRADING PROFILES LINE 3-1 (SITE 3)
PROFILE VIEW SCALE: 1" = 20'



PLOT DATE: 11/7/2019 7:05 PM
LAST SAVE DATE: 11/6/2019 4:28 PM
FILE: K:\PROJECTS\2012\120076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\GRADING PROFILES.DWG

ESA
515 Henry Street
Suite 800
Oakland, CA 94612
415.432.2300

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO C033102

PROJECT: **NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)**

SHEET TITLE: **GRADING PROFILES SITES 4 & 3**

COUNTY OF NAPA - PUBLIC WORKS

REVIEWED: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

DATE: 10/2019 SCALE: AS SHOWN

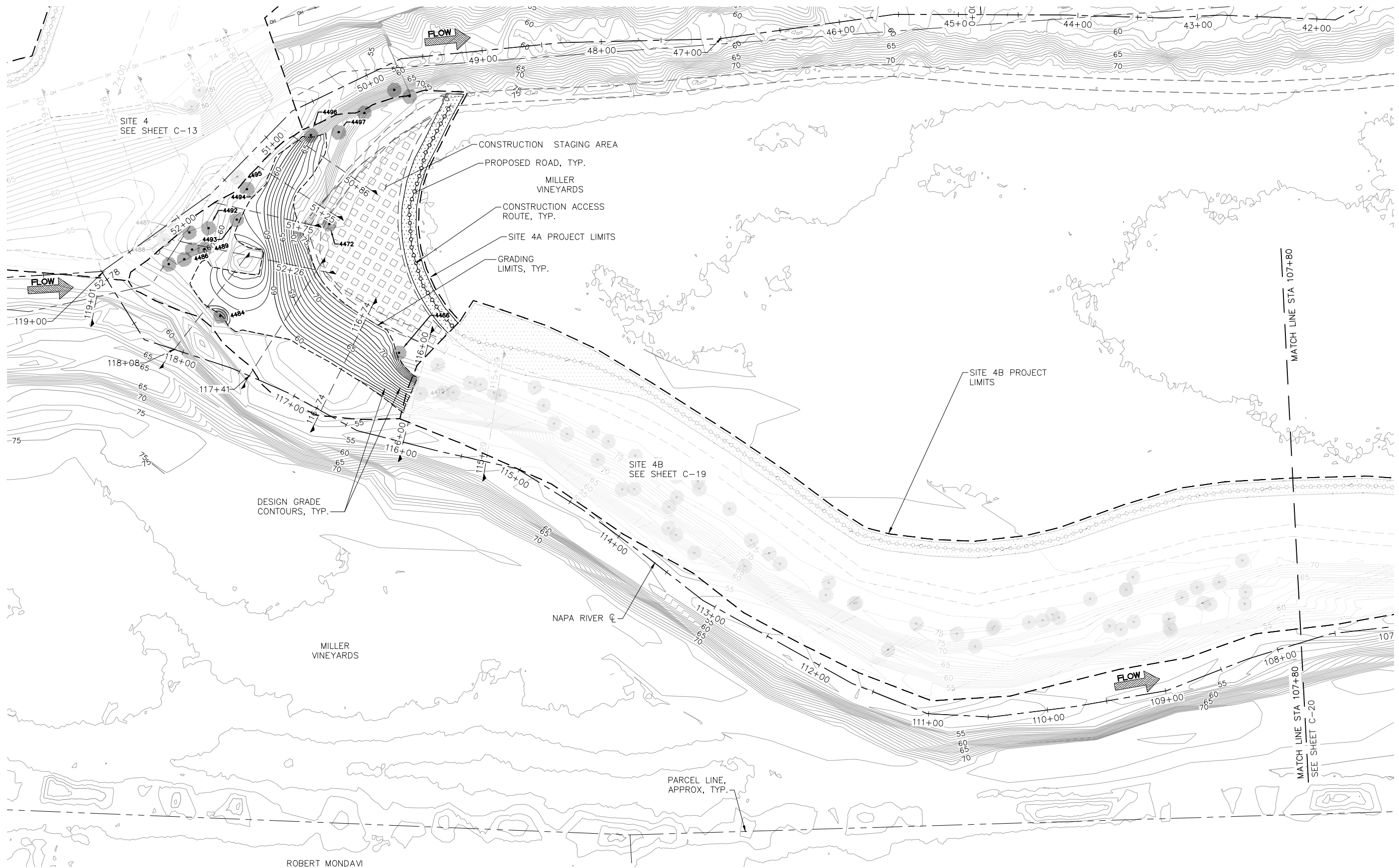
COUNTY PROJECT NO.: PW XX-XX

SPECIFICATION NO.: PW XX-XX

SHEET NO.: **39** OF **67**

DWG NO.: **C-24**

**DRAFT 65%
NOT FOR CONSTRUCTION**



- NOTES:
1. CONTRACTOR SHALL PROVIDE GRADE STAKES PER PLAN. GRADING TO BE CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
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GRADING PLAN - SITE 4A
PLAN VIEW SCALE: 1" = 40'

PLOT DATE: 11/7/2019 7:06 PM
LAST SAVE DATE: 11/7/2019 6:34 PM
FILE K:\PROJECTS\2012\120076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\GRADING PLANS.DWG

ESA
565 Henry Street
Suite 800
Oakville, CA 94109
916.932.2300
FAX: 916.932.2300

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDO
IN CHARGE: ANNE BERGONDO
CHECKED BY: JORGEN BLOMBERG, ANNE BERGONDO
DATE: 11/7/2019

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)
SHEET TITLE: GRADING PLAN - SITE 4A

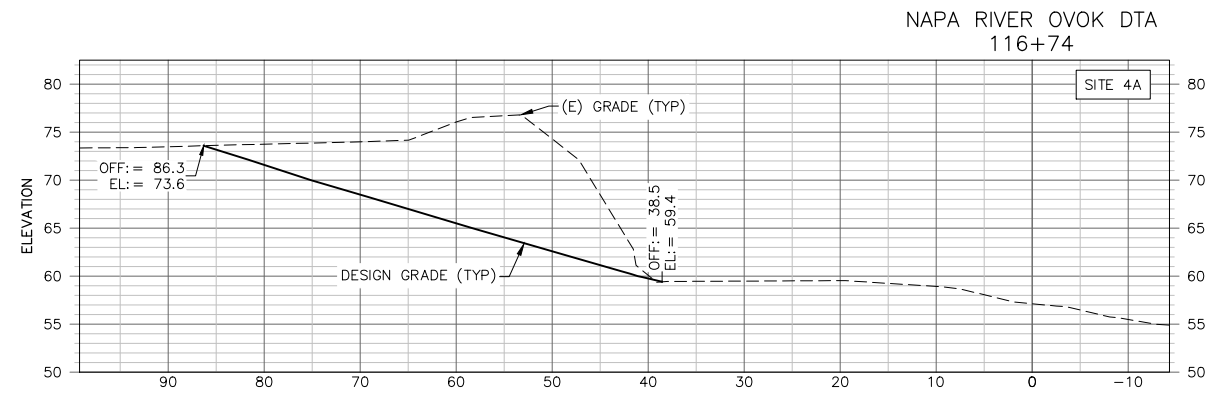
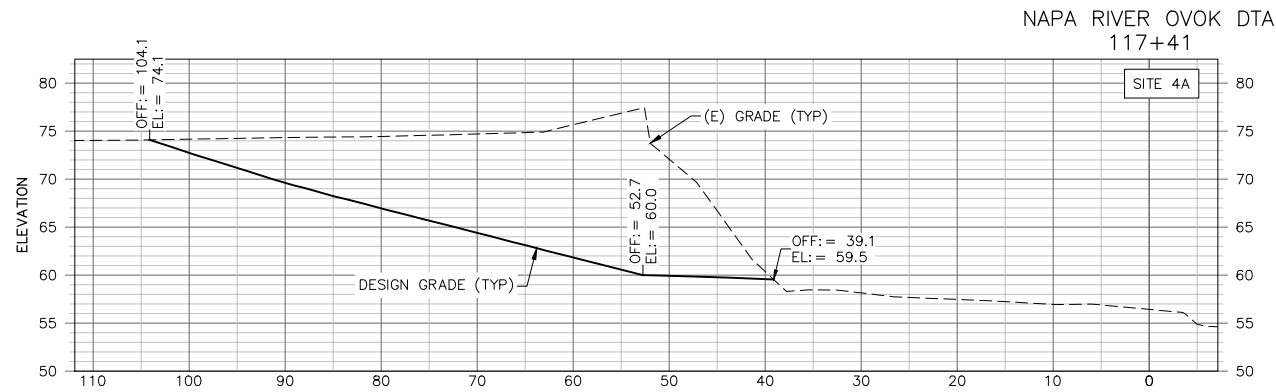
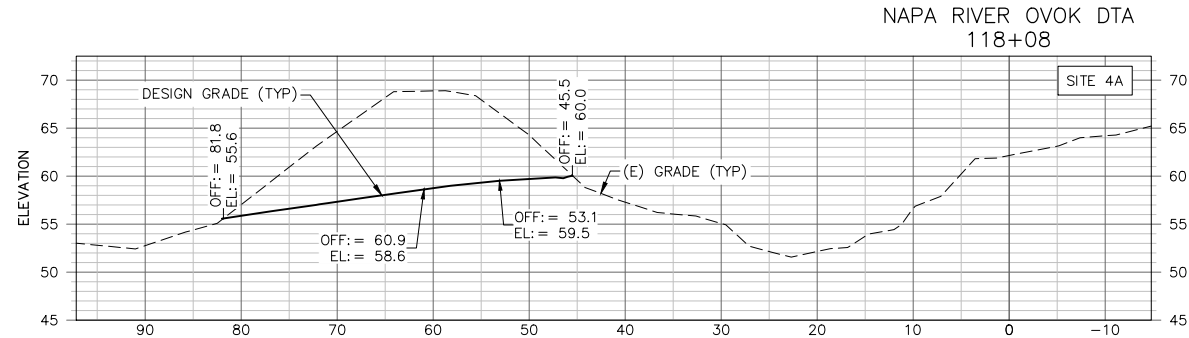
COUNTY OF NAPA - PUBLIC WORKS
REVIEWED: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

COUNTY OF NAPA
NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

DATE: 10/2019 SCALE: AS SHOWN
COUNTY PROJECT NO.: PW XX-XX
SPECIFICATION NO.: PW XX-XX
SHEET NO.: 40 OF 67
DWG NO.: C-25

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NOT FOR CONSTRUCTION**

PLOT DATE: 11/7/2019 7:06 PM
LAST SAVE DATE: 11/7/2019 10:10 AM
FILE K:\PROJECTS\2012\120076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\GRADING SECTIONS.DWG



GRADING SECTIONS - SITE 4A

SECTION VIEW

SCALE: 1" = 10'



PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE:
GRADING SECTIONS - SITE 4A

COUNTY OF NAPA - PUBLIC WORKS

NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549



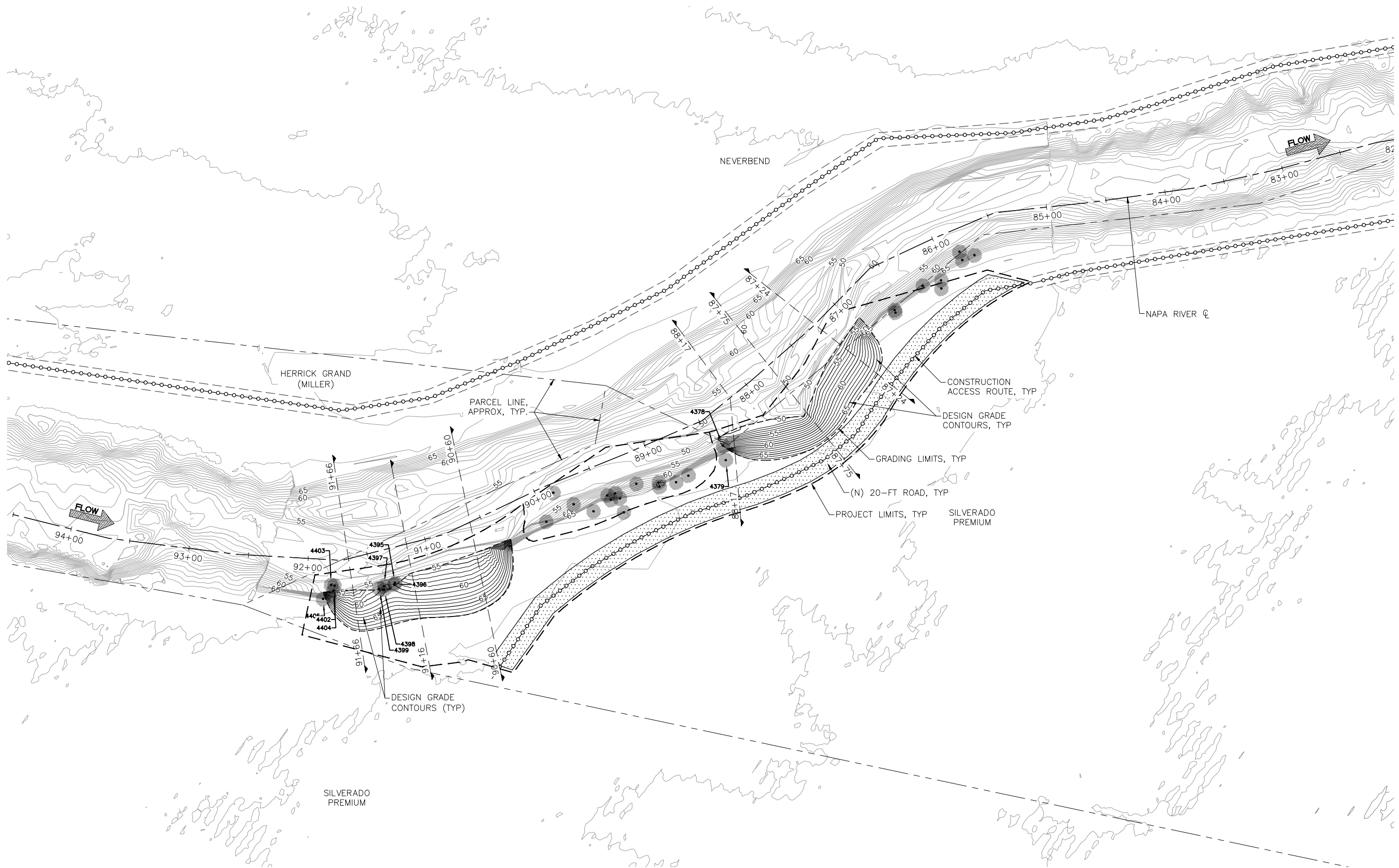
DATE: 10/2019 SCALE: AS SHOWN
COUNTY PROJECT NO.: PW XX-XX
SPECIFICATION NO.: PW XX-XX
SHEET NO.: **41** OF **67**
DWG NO.: **C-26**

ESA
510 Mackay Street
Suite 800
Napa, CA 94559
707.252.2300

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO

DRAWN BY: GREG WESSMANN, LANCE WADE
CHECKED BY: JORGEN BLOMBERG, ANNE BERGONDOVO

**DRAFT 65%
NOT FOR CONSTRUCTION**



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GRADING - SITE 2B
PLAN VIEW SCALE: 1" = 40'

PLOT DATE: 11/17/2019 7:08 PM
LAST SAVE DATE: 11/17/2019 6:34 PM
FILE K:\PROJECTS\2012\DI\20076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL\DESIGN\GROUP D\GRADING PLANS.DWG

ESA
565 Henry Street
Suite 800
Oakville, CA 94109
915.882.2300
FAX: 915.882.2300

DESIGNED BY: JORGEN BLOMBERG, LANCE WADE
IN CHARGE: JORGEN BLOMBERG, SCOTT SMITH
CHECKED BY: JORGEN BLOMBERG, ANN BERGONDOVO
DATE: 11/17/2019

PROJECT: **NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)**

SHEET TITLE: **GRADING PLAN - SITE 2B**

COUNTY OF NAPA - PUBLIC WORKS

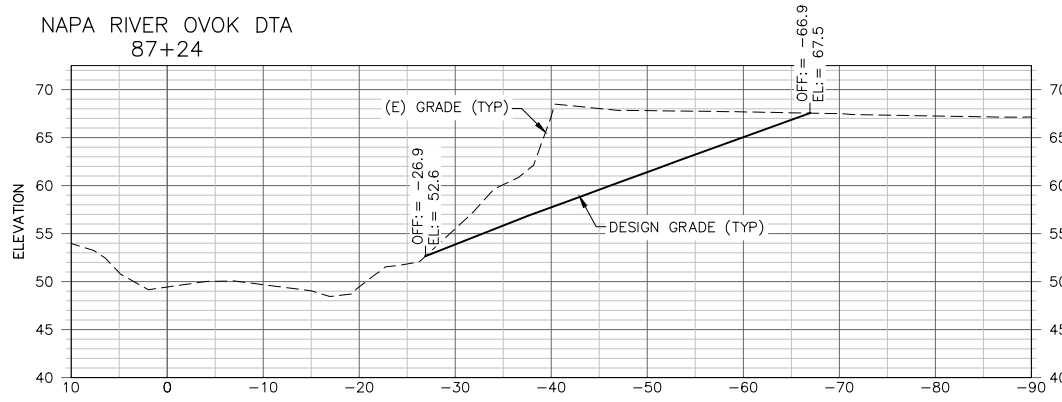
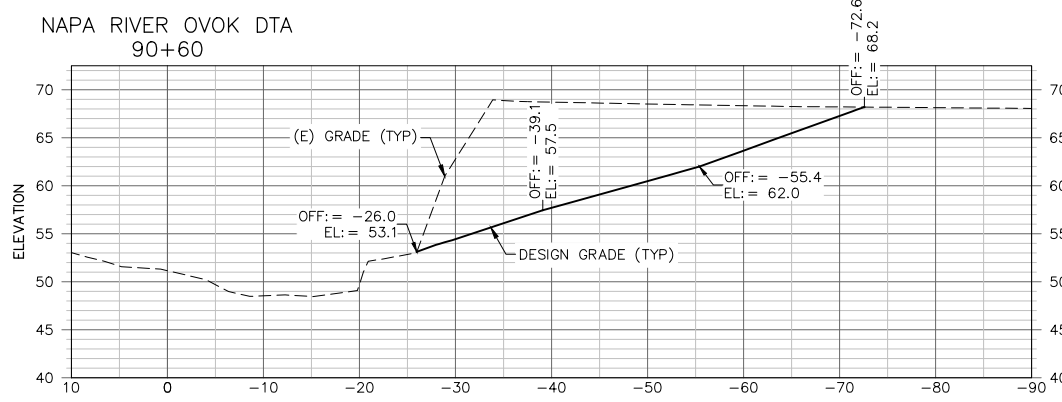
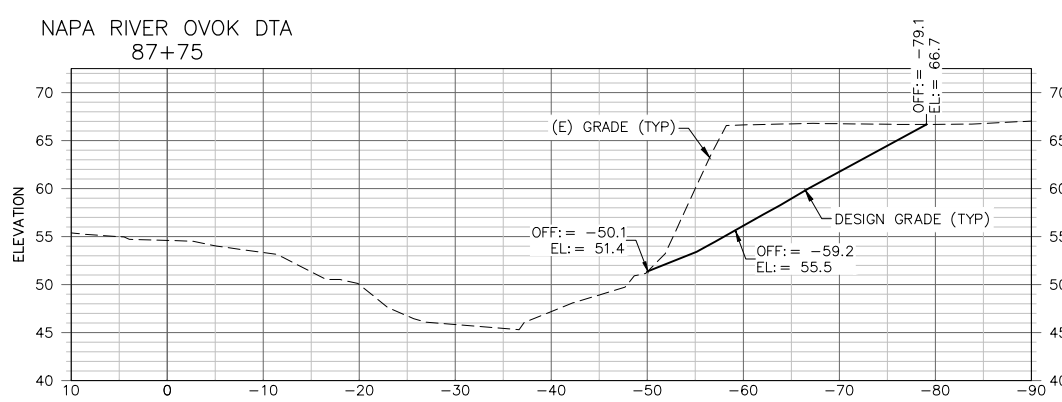
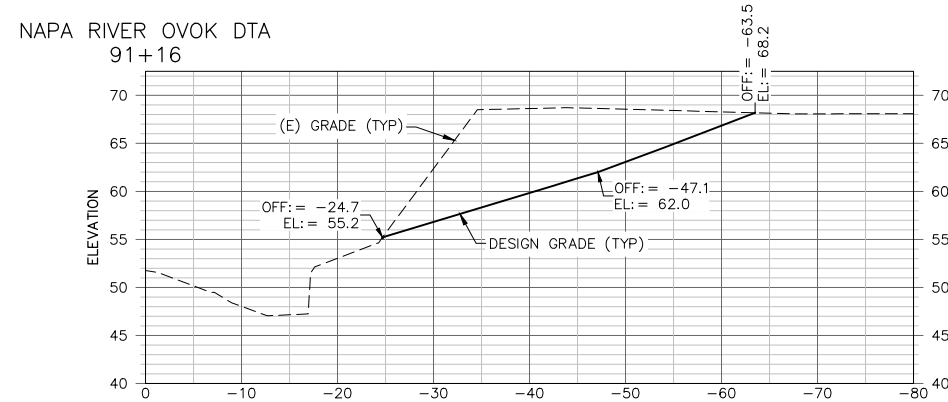
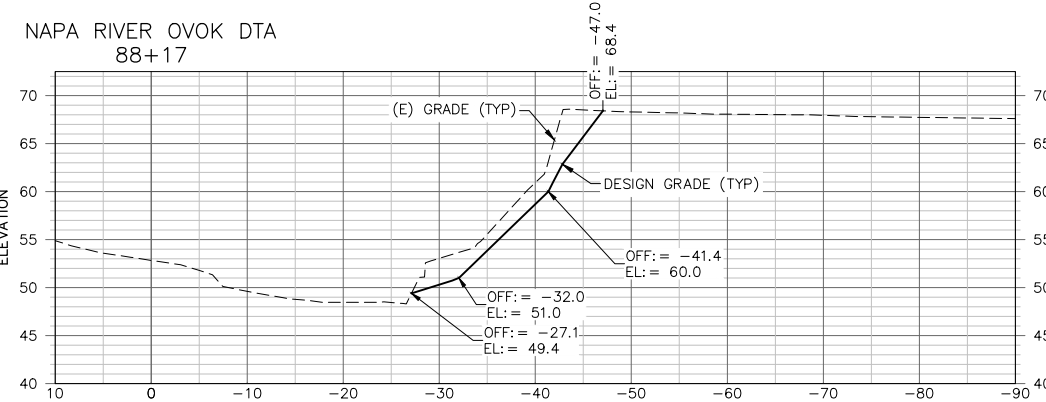
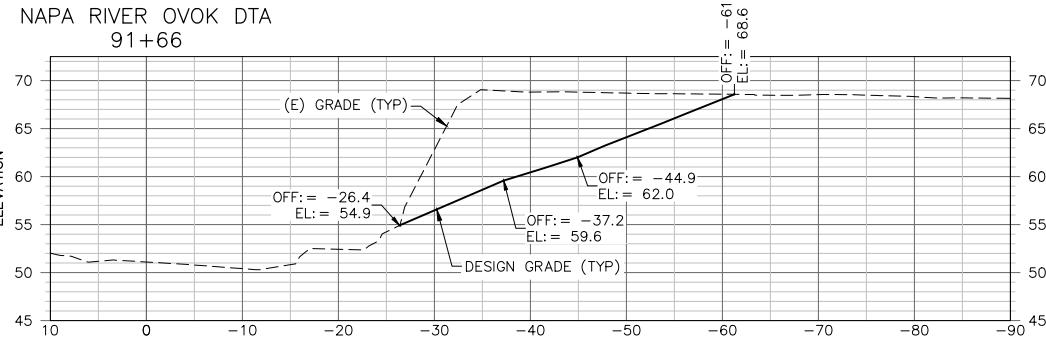
NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

REVIEWED: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE: 10/2019

SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX
SPECIFICATION NO.: PW XX-XX
SHEET NO.: **42 OF 67**
DWG NO.: **C-27**

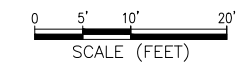
**DRAFT 65%
NOT FOR CONSTRUCTION**



GRADING SECTIONS - SITE 2B

SECTION VIEW

SCALE: 1" = 10'



515 Henry Street
Suite 800
Oakville, CA 94109
916.932.2300

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO C03102

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: GRADING SECTIONS - SITE 2B

COUNTY OF NAPA - PUBLIC WORKS

REVIEWED: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

COUNTY OF NAPA
NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

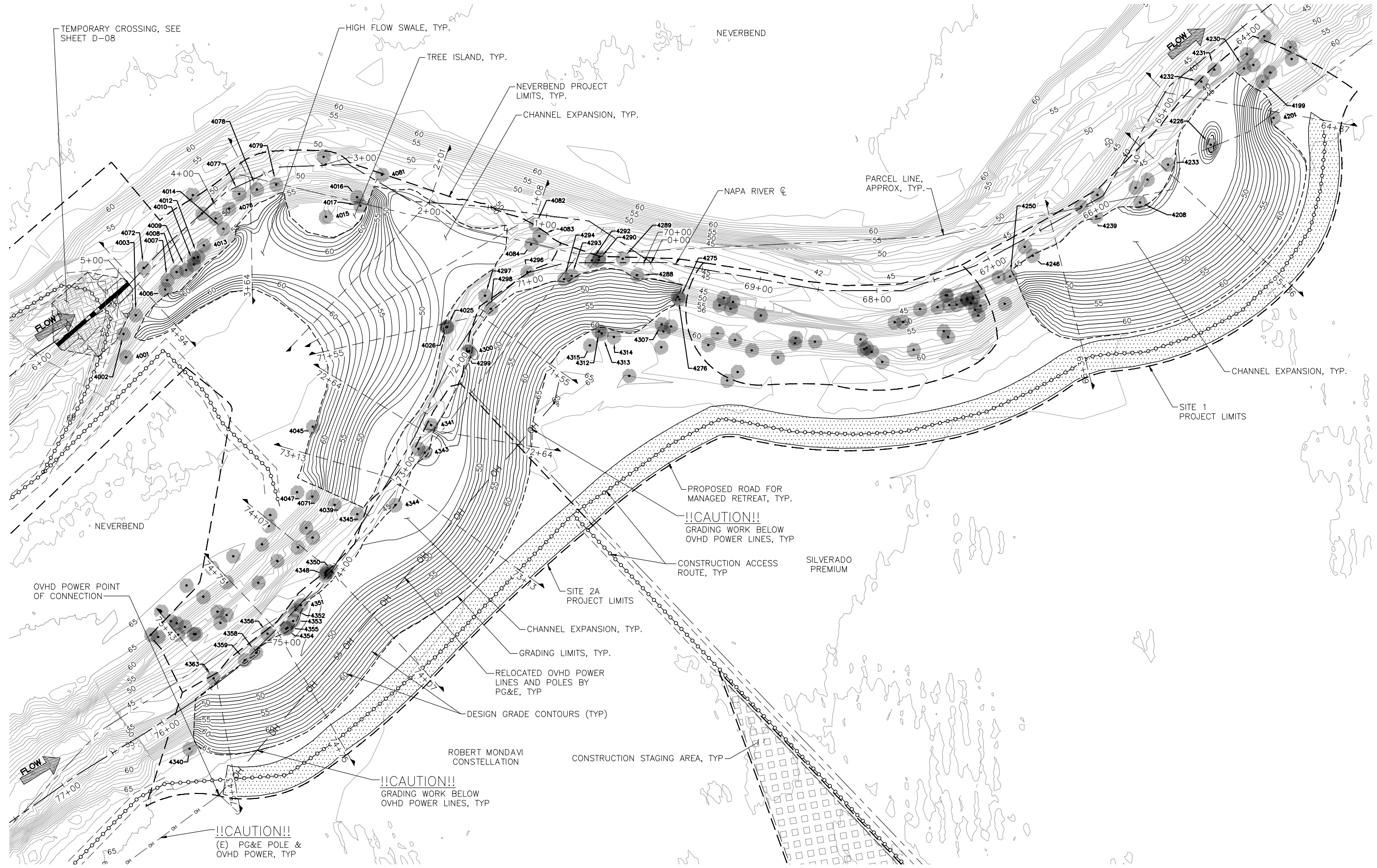
SPECIFICATION NO.: PW XX-XX

SHEET NO.: 43 OF 67

DWG NO.: C-28

PLOT DATE: 11/7/2019 7:08 PM
LAST SAVE DATE: 11/7/2019 10:10 AM
FILE: K:\PROJECTS\2012\120076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\GRADING SECTIONS.DWG

**DRAFT 65%
NOT FOR CONSTRUCTION**



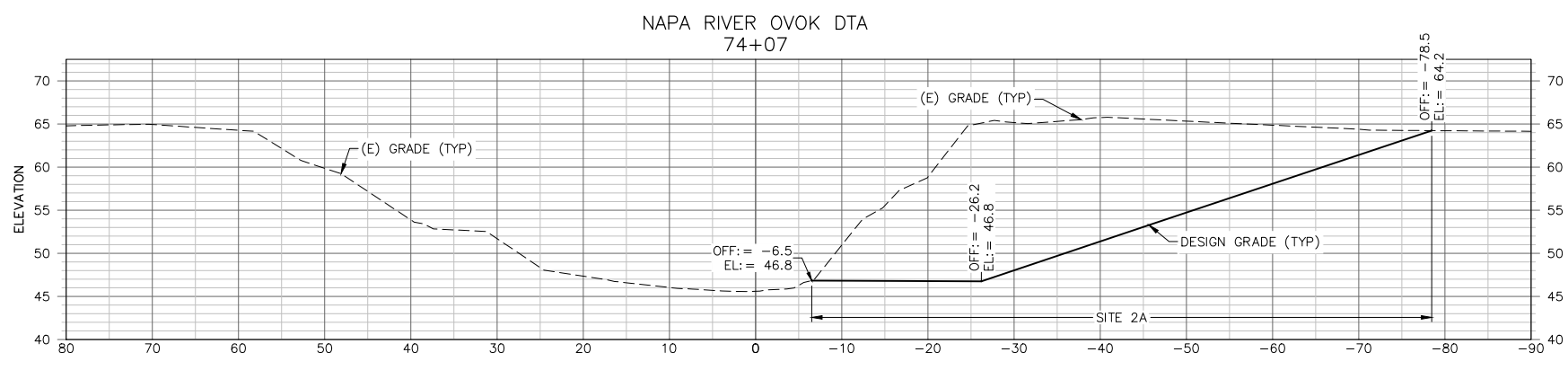
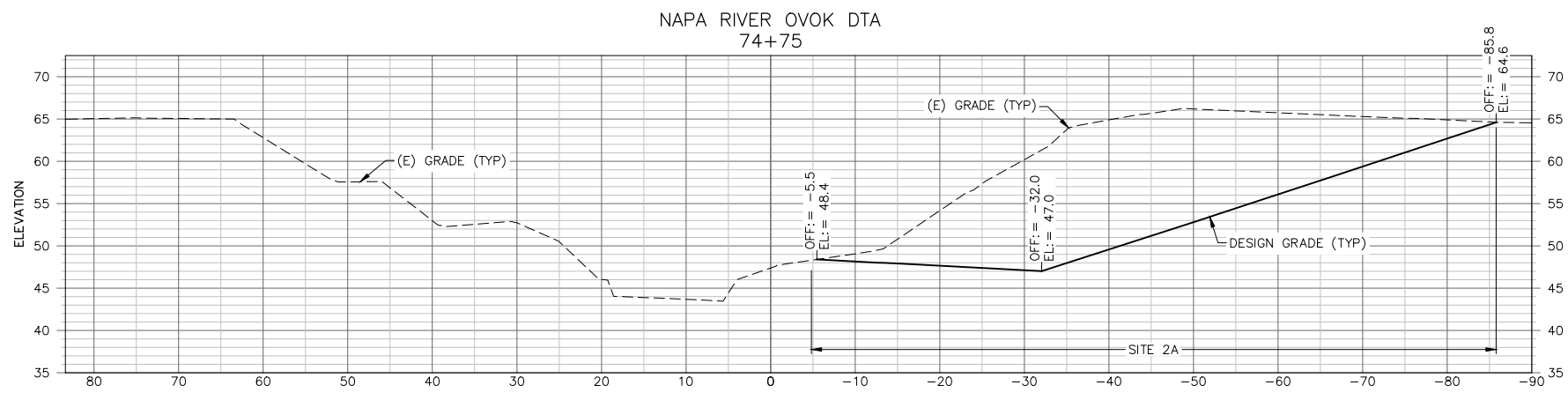
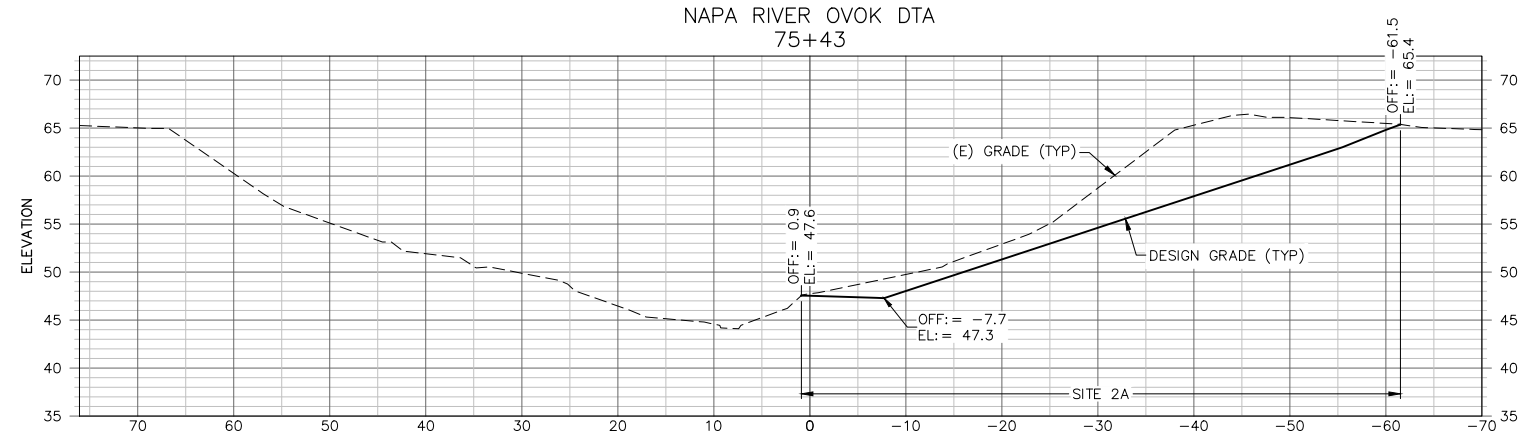
- NOTES:
1. CONTRACTOR SHALL PROVIDE GRADE STAKES PER PLAN. GRADING TO BE CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 2. CONTRACTOR SHALL PROVIDE STAKES TO LAYOUT STRUCTURE LOCATION AND ORIENTATION PER PLAN. ENHANCEMENT STRUCTURE LOCATIONS TO BE REVIEWED, CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 3. OVEREXCAVATE AND PLACE 6-INCH LAYER OF PLANTING TOPSOIL WHERE DEPTH OF CUT EXCEEDS 12 INCHES, SEE SPECIFICATIONS.
 4. PRESERVE TREES WHERE EXCAVATION IS LESS THAN 3' DEEP.

GRADING PLAN - SITE 2A, 1 & NEVERBEND
PLAN VIEW SCALE: 1" = 40'

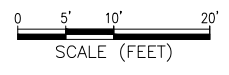
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		565 Henry Street Suite 800 Napa, CA 94559 707.252.2300	
DRAWN: GREG WESMANN, LAKE WADE DESIGNED: JORGEN BLUMBERG, ANNE BERGONDOVO IN CHARGE: JORGEN BLUMBERG, SCOTT SMITH		ORDERED: JORGEN BLUMBERG, ANNE BERGONDOVO PROJECT NO.: ANNE BERGONDOVO 003102	
PROJECT: NAPA RIVER RESTORATION PROJECT OAKVILLE TO OAK KNOLL REACH - GROUP D (PHASE 1 AND PHASE 2)			
SHEET TITLE: GRADING PLAN - SITE 2A, 1 & NEVERBEND			
COUNTY OF NAPA - PUBLIC WORKS		NAPA COUNTY DEPARTMENT OF PUBLIC WORKS 1195 THIRD ST, SUITE 101 NAPA, CA 94549	
REVIEWER: XXX XXX, PE APPROVAL RECOMMENDED: XXX XXX, PE APPROVED: XXX XXX, PE DATE:	SCALE: AS SHOWN	DATE: 10/2019	
COUNTY PROJECT NO.: PW XX-XX		SPECIFICATION NO.: PW XX-XX	
SHEET NO.: 44 OF 67		DWG NO.: C-29	

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NOT FOR CONSTRUCTION**



GRADING SECTIONS - SITE 2A,1 & NEVERBEND (1 OF 4)
SECTION VIEW SCALE: 1" = 10'



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FILE: K:\PROJECTS\2012\120076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\GRADING SECTIONS.DWG

ESA
515 Henry Street
Suite 800
Oakville, CA 94109
916.922.2300

DESIGNED: JORGEN BLOMBERG, LANE WADE
CHECKED: JORGEN BLOMBERG, ANN BERGONDOVO
IN CHARGE: ANN BERGONDOVO 003102

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: GRADING SECTIONS - SITE 2A,1 & NEVERBEND (1 OF 4)

COUNTY OF NAPA - PUBLIC WORKS

REVIEWER: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

COUNTY OF NAPA DEPARTMENT OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

A Tradition of Stewardship
A Commitment to Service

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

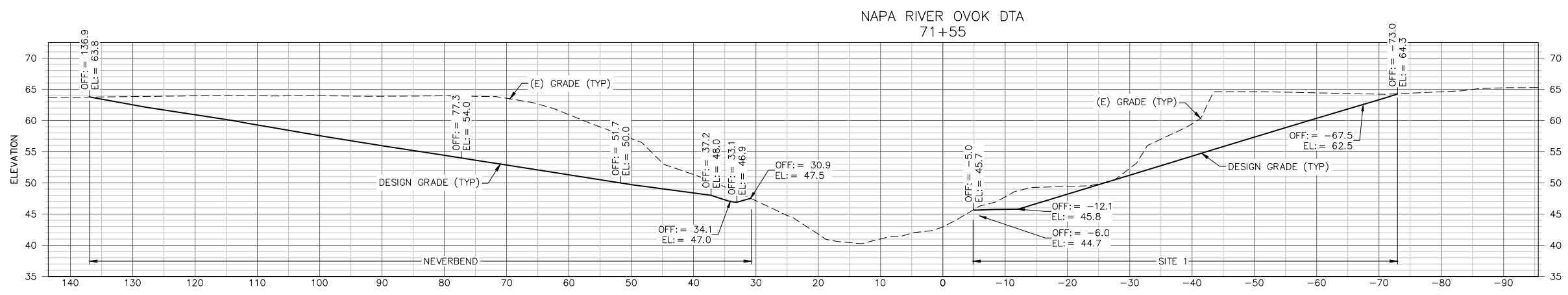
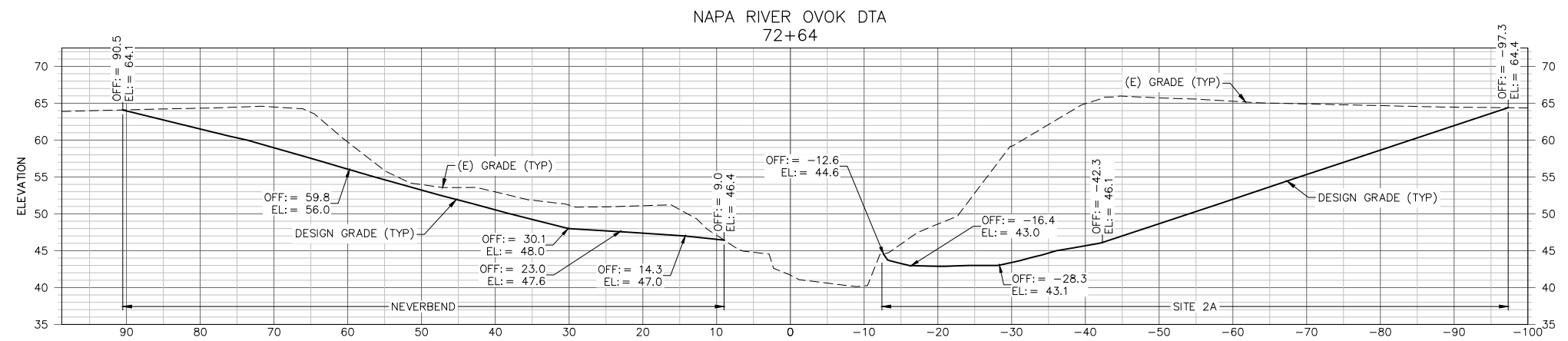
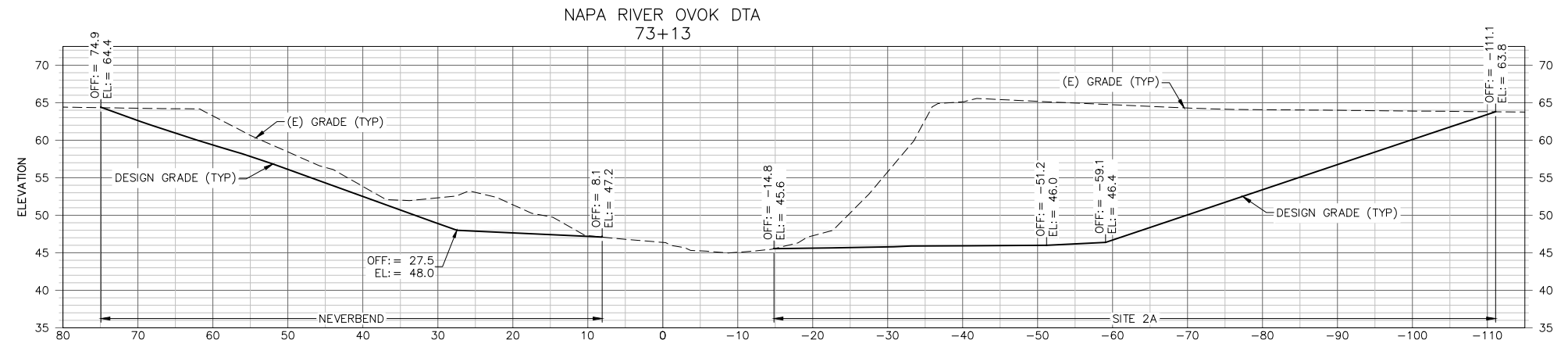
SPECIFICATION NO.: PW XX-XX

SHEET NO.: 45 OF 67

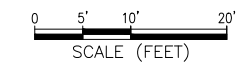
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GRADING SECTIONS - SITE 2A, 1 & NEVERBEND (2 OF 4)
SECTION VIEW SCALE: 1" = 10'



ESA
565 Henry Street
Suite 800
Oakville, CA 94109
916.922.2300
FAX: 916.922.2300

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO
CHECKED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
DRAWN BY: GREG WESSMANN, LANCE WADE
PROJECT NO.: 003102

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)
SHEET TITLE: GRADING SECTIONS - SITE 2A, 1 & NEVERBEND (2 OF 4)

COUNTY OF NAPA - PUBLIC WORKS

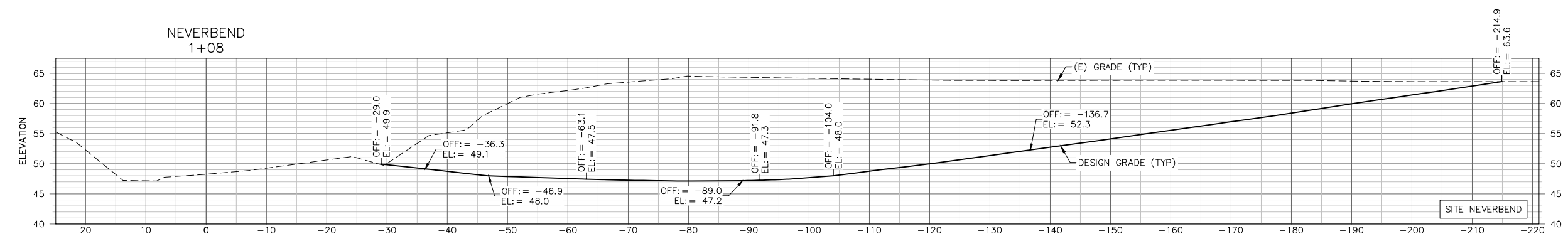
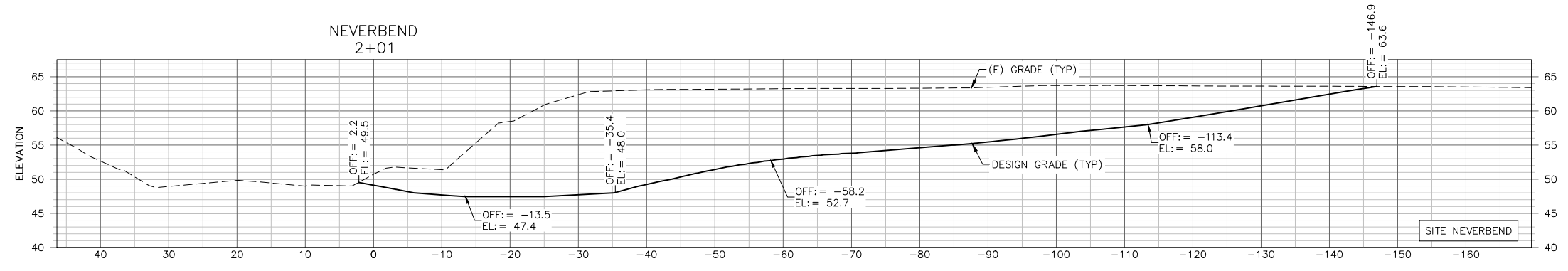
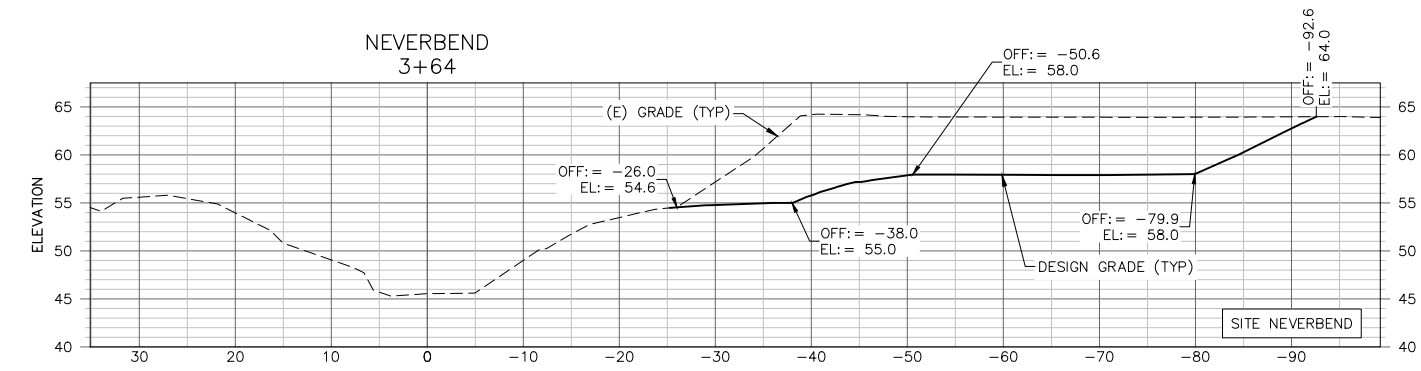
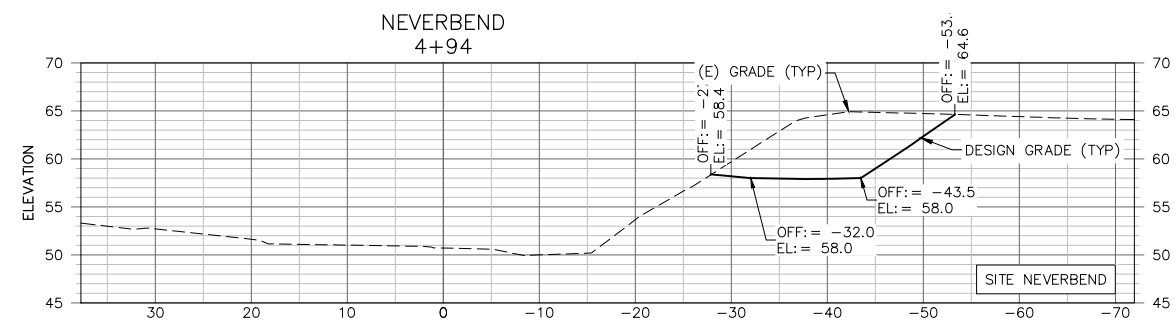
REVIEWED: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

NAPA COUNTY DEPARTMENT OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

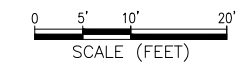
DATE	10/2019	SCALE	AS SHOWN
COUNTY PROJECT NO.	PW XX-XX		
SPECIFICATION NO.	PW XX-XX		
SHEET NO.	46 OF 67		
DWG NO.	C-31		

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NOT FOR CONSTRUCTION**

PLOT DATE: 11/7/2019 7:10 PM
LAST SAVE DATE: 11/7/2019 10:10 AM
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GRADING SECTIONS - SITE 2A, 1 & NEVERBEND (3 OF 4)
SECTION VIEW SCALE: 1" = 10'



ESA
510 Henry Street
Suite 800
Oakville, CA 94108
916.932.2300
www.esa.com

DESIGNED: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO
DRAWN: GREG WESSMANN, LAKE WADE
CHECKED: JORGEN BLOMBERG, ANNE BERGONDOVO

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: GRADING SECTIONS - SITE 2A, 1 & NEVERBEND (3 OF 4)

COUNTY OF NAPA - PUBLIC WORKS

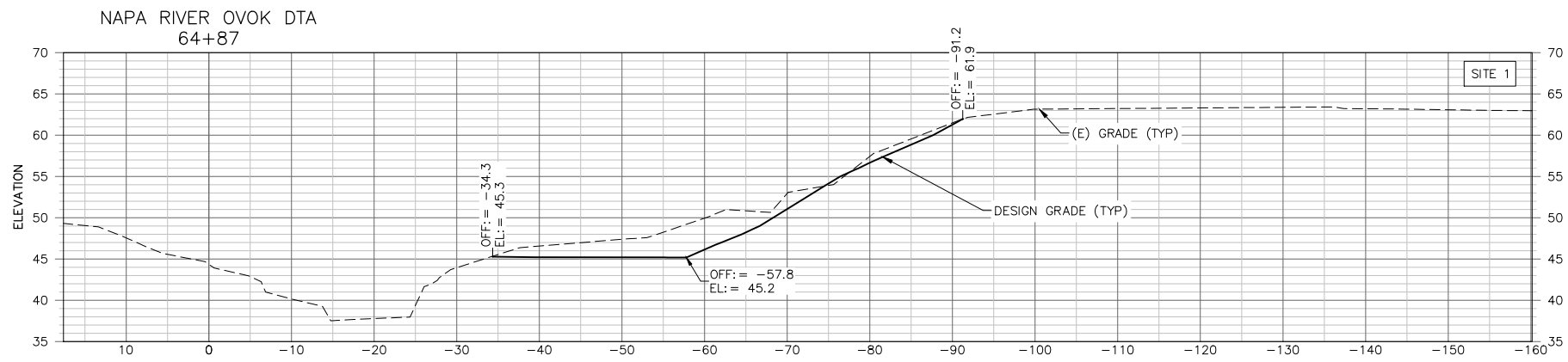
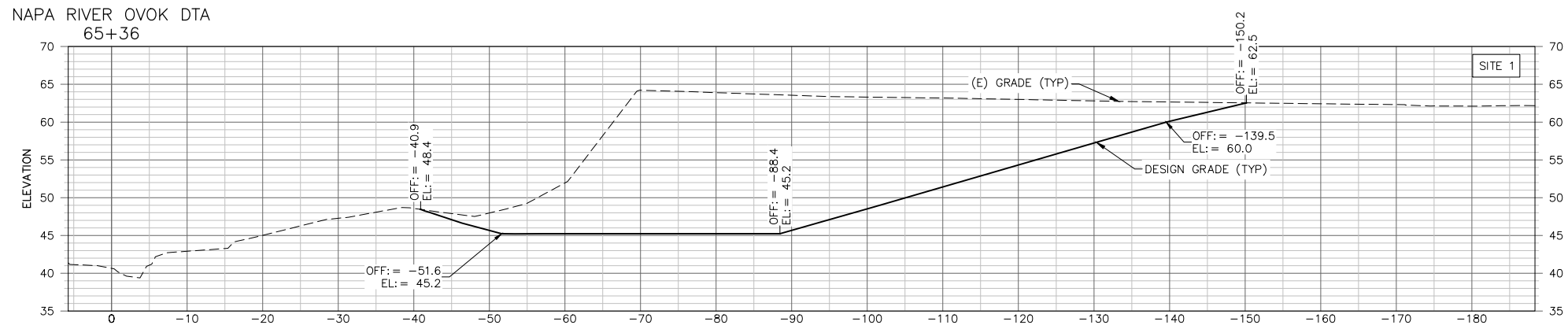
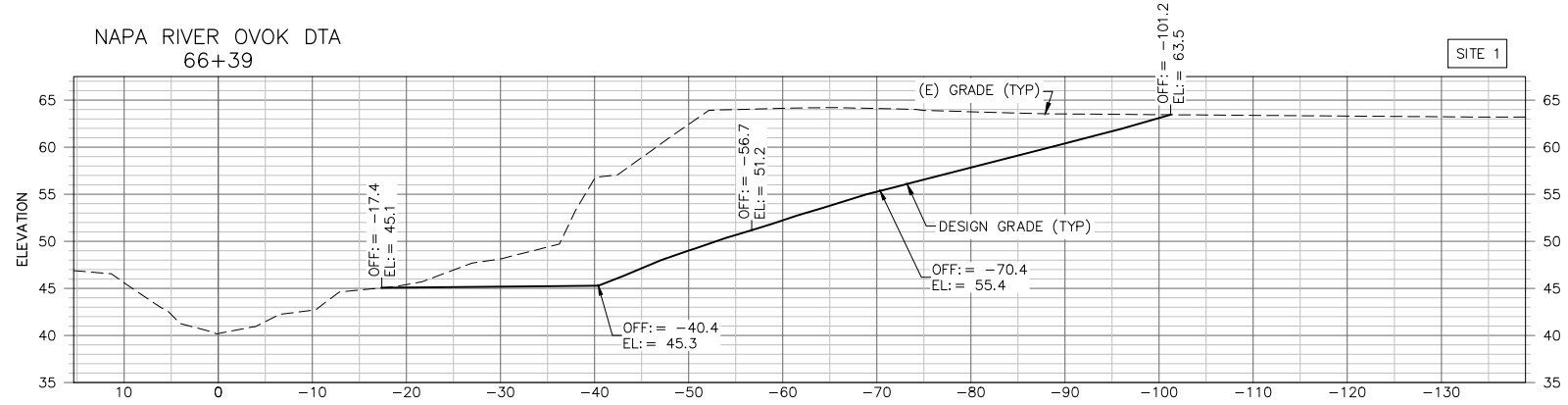
REVIEWER: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

COUNTY OF NAPA
NAPA COUNTY DEPARTMENT OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

A Tradition of Stewardship
A Commitment to Service

DATE: 10/2019 SCALE: AS SHOWN
COUNTY PROJECT NO.: PW XX-XX
SPECIFICATION NO.: PW XX-XX
SHEET NO.: 47 OF 67
DWG NO.: C-32

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NOT FOR CONSTRUCTION**



GRADING SECTIONS - SITE 2A,1 & NEVERBEND (4 OF 4)

SECTION VIEW

SCALE: 1" = 10'



ESA
515 Henry Street
Suite 800
Oakville, CA 94109
915.932.2300

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
CHECKED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO 003102

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: GRADING SECTIONS - SITE 2A,1 & NEVERBEND (4 OF 4)

COUNTY OF NAPA - PUBLIC WORKS

NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

REVIEWER: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

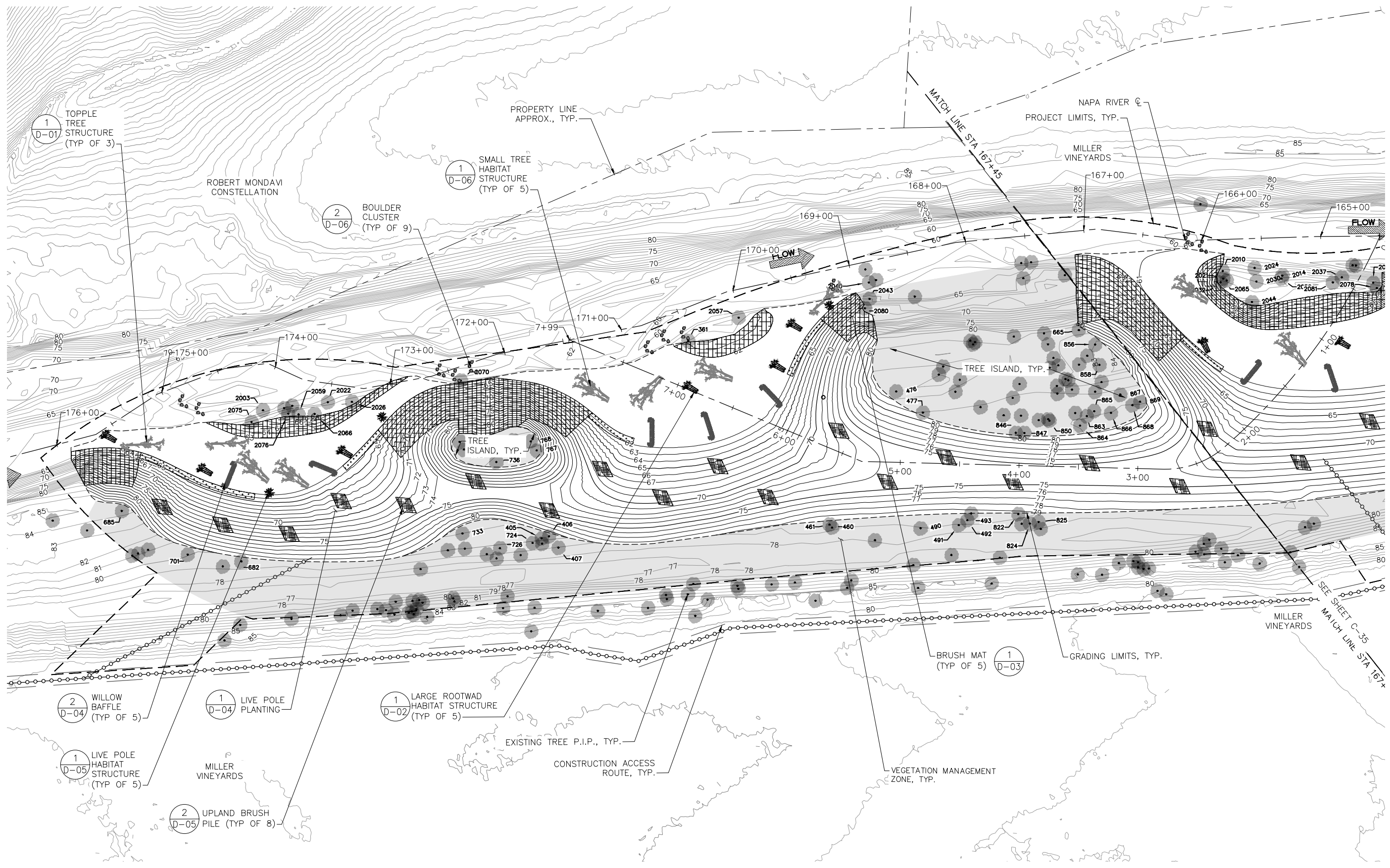
SPECIFICATION NO.: PW XX-XX

SHEET NO.: **48** OF **67**

DWG NO.: **C-33**

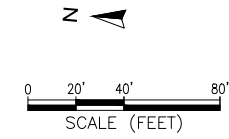
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NOT FOR CONSTRUCTION**



- NOTES:**
1. CONTRACTOR SHALL PROVIDE GRADE STAKES PER PLAN. GRADING TO BE CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 2. CONTRACTOR SHALL PROVIDE STAKES TO LAYOUT STRUCTURE LOCATION AND ORIENTATION PER PLAN. ENHANCEMENT STRUCTURE LOCATIONS TO BE REVIEWED, CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 3. OVEREXCAVATE AND PLACE 6-INCH LAYER OF PLANTING TOPSOIL WHERE DEPTH OF CUT EXCEEDS 12 INCHES, SEE SPECIFICATIONS.
 4. VEGETATION MANAGEMENT TO INCLUDE NON-NATIVE SPECIES REMOVAL AND SUPPLEMENTAL PLANTING OF SELECT NATIVE PLANT SPECIES WITHIN AREAS SHOWN.

ENHANCEMENTS - SITE 10
PLAN VIEW SCALE: 1" = 40'



PLOT DATE: 11/7/2019 7:11 PM
 LAST SAVE DATE: 11/7/2019 3:17 PM
 FILE: K:\PROJECTS\2012\DI\20076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\24 ENHANCEMENT PLANS.DWG

ESA
 555 Henry Street
 Suite 800
 San Francisco, CA 94109
 415.832.3300
 FAX: 415.832.3300

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
 IN CHARGE: ANNE BERGONDOVO
 CHECKED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
 DRAWN BY: GREG WESSMANN, LANE WADE

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

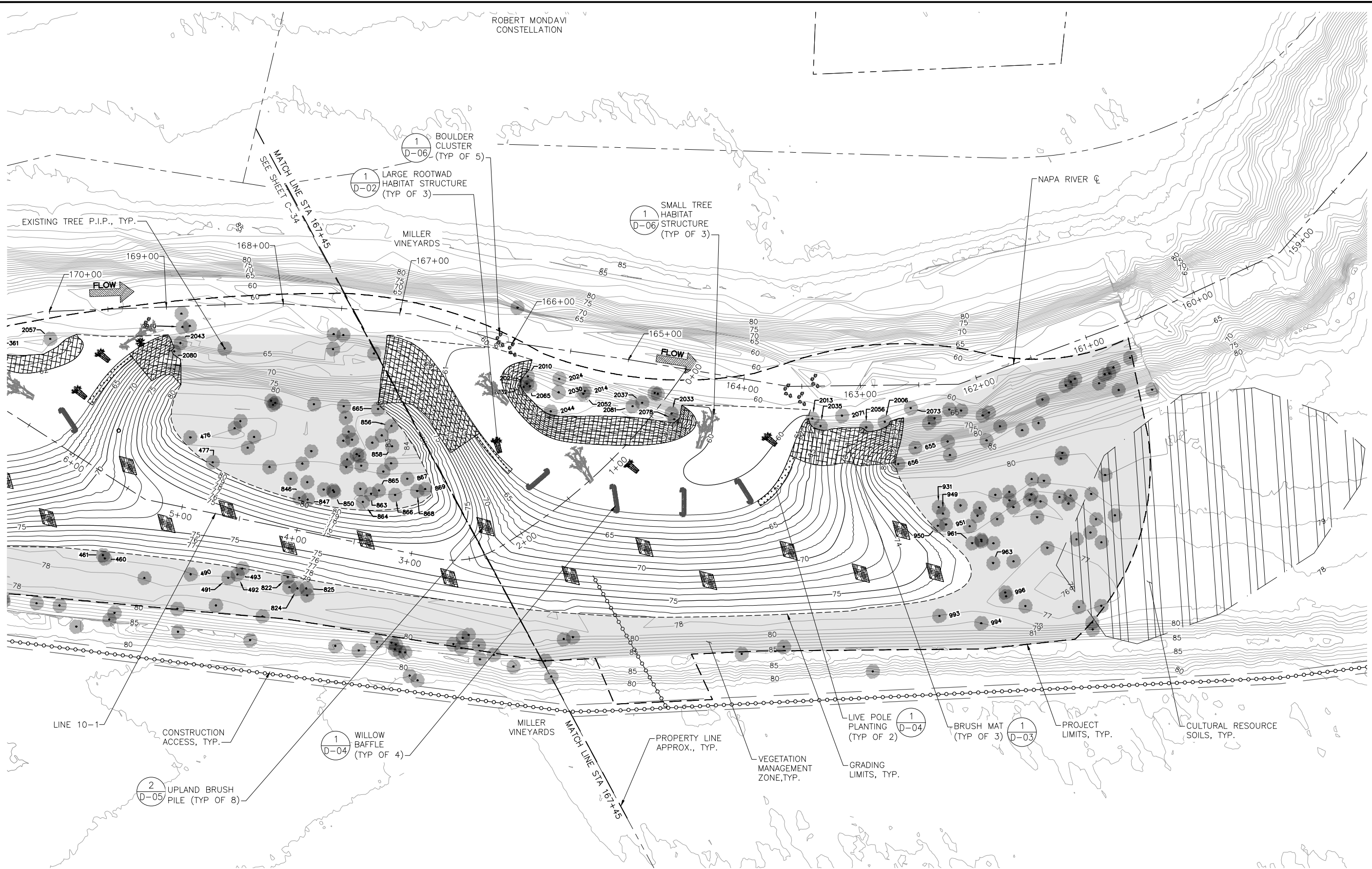
SHEET TITLE: ENHANCEMENTS - SITE 10

COUNTY OF NAPA - PUBLIC WORKS

NAPA COUNTY DEPARTMENT OF PUBLIC WORKS
 1195 THIRD ST, SUITE 101
 NAPA, CA 94549

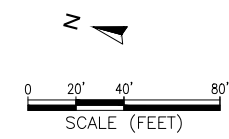
DATE	10/2019	SCALE	AS SHOWN
COUNTY PROJECT NO.	PW XX-XX		
SPECIFICATION NO.	PW XX-XX		
SHEET NO.	49 OF 67		
DWG NO.	C-34		

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- NOTES:
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 - OVEREXCAVATE AND PLACE 6-INCH LAYER OF PLANTING TOPSOIL WHERE DEPTH OF CUT EXCEEDS 12 INCHES, SEE SPECIFICATIONS.
 - VEGETATION MANAGEMENT TO INCLUDE NON-NATIVE SPECIES REMOVAL AND SUPPLEMENTAL PLANTING OF SELECT NATIVE PLANT SPECIES WITHIN AREAS SHOWN.

ENHANCEMENTS - SITE 9
PLAN VIEW SCALE: 1" = 40'



PLOT DATE: 11/7/2019 7:11 PM
LAST SAVE DATE: 11/7/2019 3:17 PM
FILE K:\PROJECTS\2012\120076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\24 ENHANCEMENT PLANS.DWG

ESA
565 Henry Street
Suite 800
Oakville, CA 94609
916.932.2300
FAX: 916.932.2300

DESIGNED: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO
DRAWN: GREG WESSMANN, LANCE WARE
CHECKED: JORGEN BLOMBERG, ANNE BERGONDOVO

PROJECT: **NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)**

SHEET TITLE: **ENHANCEMENTS - SITE 9**

COUNTY OF NAPA - PUBLIC WORKS

REVIEWER: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

COUNTY OF NAPA
NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

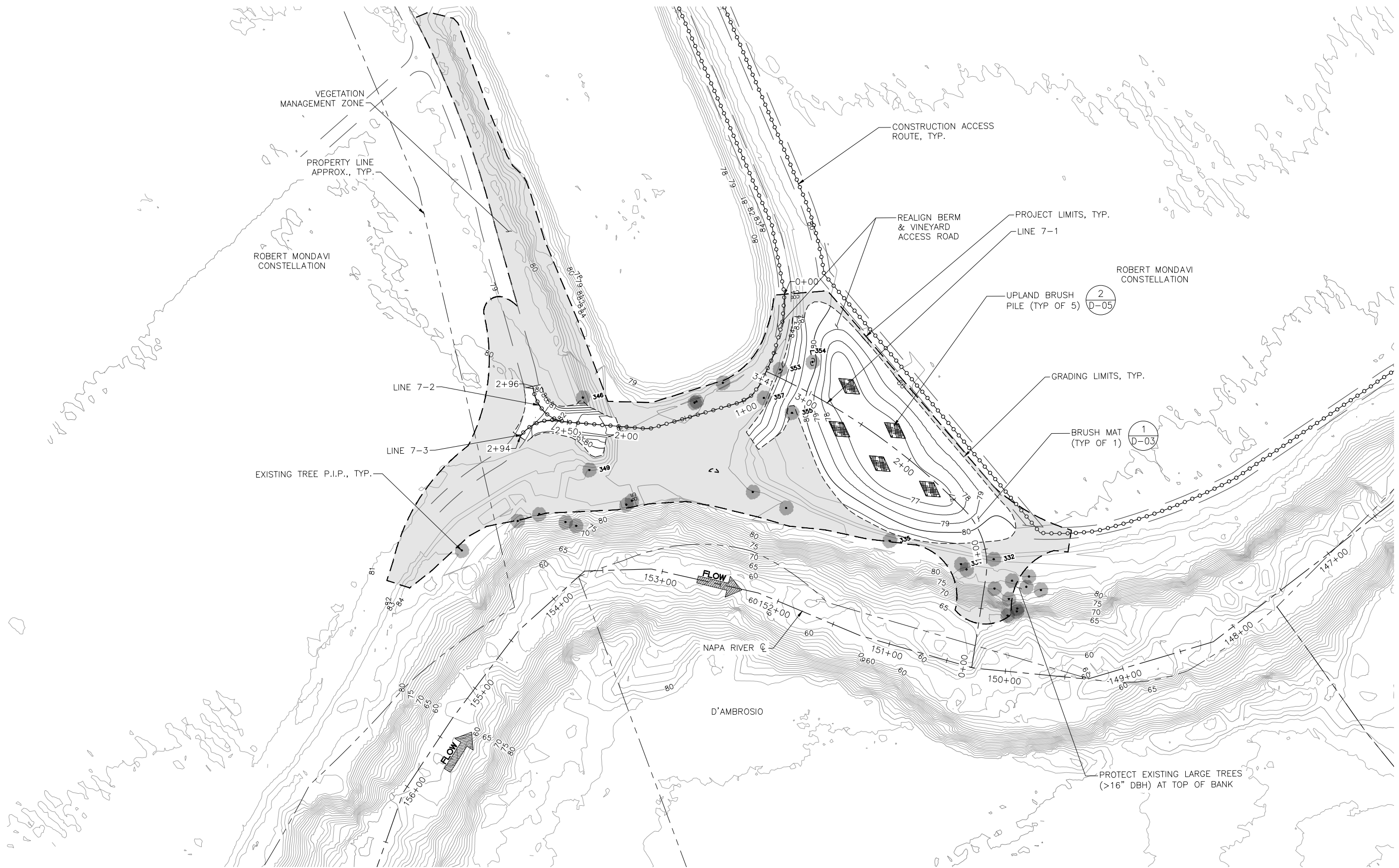
SPECIFICATION NO.: PW XX-XX

SHEET NO.: **50 OF 67**

DWG NO.: **C-35**

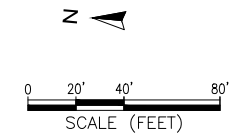
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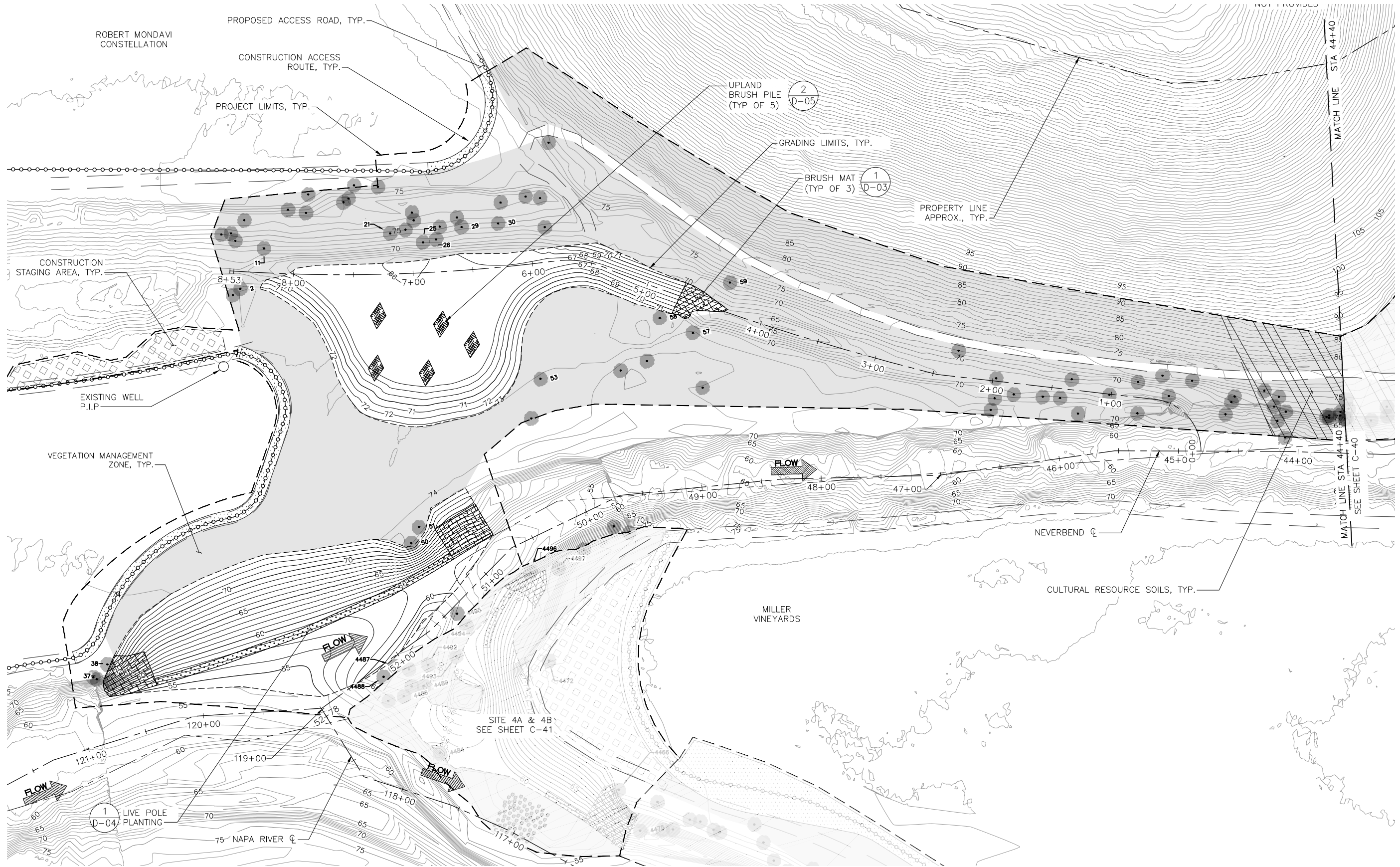
- NOTES:
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 3. OVEREXCAVATE AND PLACE 6-INCH LAYER OF PLANTING TOPSOIL WHERE DEPTH OF CUT EXCEEDS 12 INCHES, SEE SPECIFICATIONS.
 4. VEGETATION MANAGEMENT TO INCLUDE NON-NATIVE SPECIES REMOVAL AND SUPPLEMENTAL PLANTING OF SELECT NATIVE PLANT SPECIES WITHIN AREAS SHOWN.

ENHANCEMENTS - SITE 7
PLAN VIEW SCALE: 1" = 40'



		565 Henry Street Suite 800 Napa, CA 94559 707.252.2300	
DRAWN: GREG WESSMANN, LAKE WADE	CHECKED: JORGEN BLOMBERG, ANN BERGONDOVO	DESIGNED: JORGEN BLOMBERG, LAKE WADE	IN CHARGE: ANN BERGONDOVO
COUNTY OF NAPA - PUBLIC WORKS		NAPA COUNTY DEPARTMENT OF PUBLIC WORKS 1195 THIRD ST, SUITE 101 NAPA, CA 94549	
PROJECT: NAPA RIVER RESTORATION PROJECT OAKVILLE TO OAK KNOLL REACH - GROUP D (PHASE 1 AND PHASE 2)		SHEET TITLE: ENHANCEMENTS - SITE 7	
REVIEWED: XXX XXX, PE	APPROVAL RECOMMENDED: XXX XXX, PE	APPROVED: XXX XXX, PE	DATE: 10/2019
COUNTY PROJECT NO. PW XX-XX		SPECIFICATION NO. PW XX-XX	
SHEET NO. 51 OF 67		DWG NO. C-36	

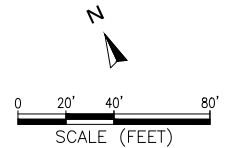
**DRAFT 65%
NOT FOR CONSTRUCTION**



- NOTES:
1. CONTRACTOR SHALL PROVIDE GRADE STAKES PER PLAN. GRADING TO BE CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
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 3. OVEREXCAVATE AND PLACE 6-INCH LAYER OF PLANTING TOPSOIL WHERE DEPTH OF CUT EXCEEDS 12 INCHES, SEE SPECIFICATIONS.
 4. VEGETATION MANAGEMENT TO INCLUDE NON-NATIVE SPECIES REMOVAL AND SUPPLEMENTAL PLANTING OF SELECT NATIVE PLANT SPECIES WITHIN AREAS SHOWN.

ENHANCEMENTS - SITE 4

PLAN VIEW SCALE: 1" = 40'



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ESA
565 Henry Street
Suite 800
Oakville, CA 94551
916.832.2300
www.esa.com

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO
CHECKED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
DRAWN BY: GREG WESSMANN, LANCE WADE

PROJECT: **NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)**

SHEET TITLE: **ENHANCEMENTS - SITE 4**

COUNTY OF NAPA - PUBLIC WORKS

NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

REVIEWER: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

DATE: 10/2019 SCALE: AS SHOWN

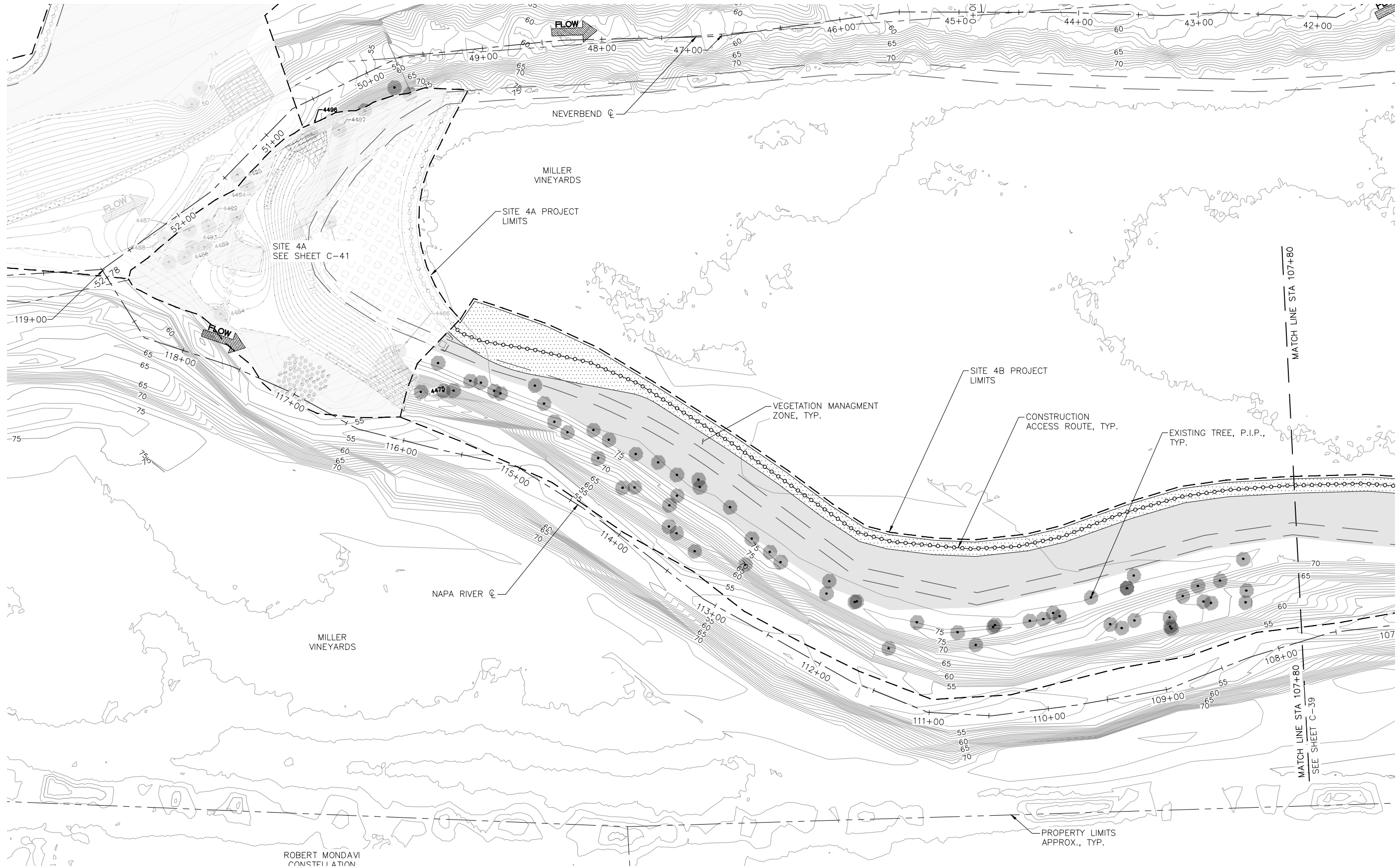
COUNTY PROJECT NO.: PW XX-XX

SPECIFICATION NO.: PW XX-XX

SHEET NO.: **52 OF 67**

DWG NO.: **C-37**

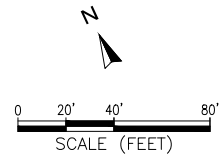
**DRAFT 65%
NOT FOR CONSTRUCTION**



- NOTES:
1. CONTRACTOR SHALL PROVIDE GRADE STAKES PER PLAN. GRADING TO BE CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
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 4. VEGETATION MANAGEMENT TO INCLUDE NON-NATIVE SPECIES REMOVAL AND SUPPLEMENTAL PLANTING OF SELECT NATIVE PLANT SPECIES WITHIN AREAS SHOWN.

ENHANCEMENTS - SITE 4B

PLAN VIEW SCALE: 1" = 40'



PLOT DATE: 11/7/2019 7:12 PM
LAST SAVE DATE: 11/7/2019 3:17 PM
FILE: K:\PROJECTS\2012\DI\20076.G0 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\24 ENHANCEMENT PLANS.DWG

ESA
565 Henry Street
Suite 800
Oakville, CA 94551
916.932.2300
www.esa.com

DESIGNED: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO
CHECKED: JORGEN BLOMBERG, ANNE BERGONDOVO
DRAWN: GREG WESSMANN, LANCE WARE

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: ENHANCEMENTS - SITE 4B

COUNTY OF NAPA - PUBLIC WORKS

REVIEWER: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

COUNTY OF NAPA
NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

DATE: 10/2019 SCALE: AS SHOWN

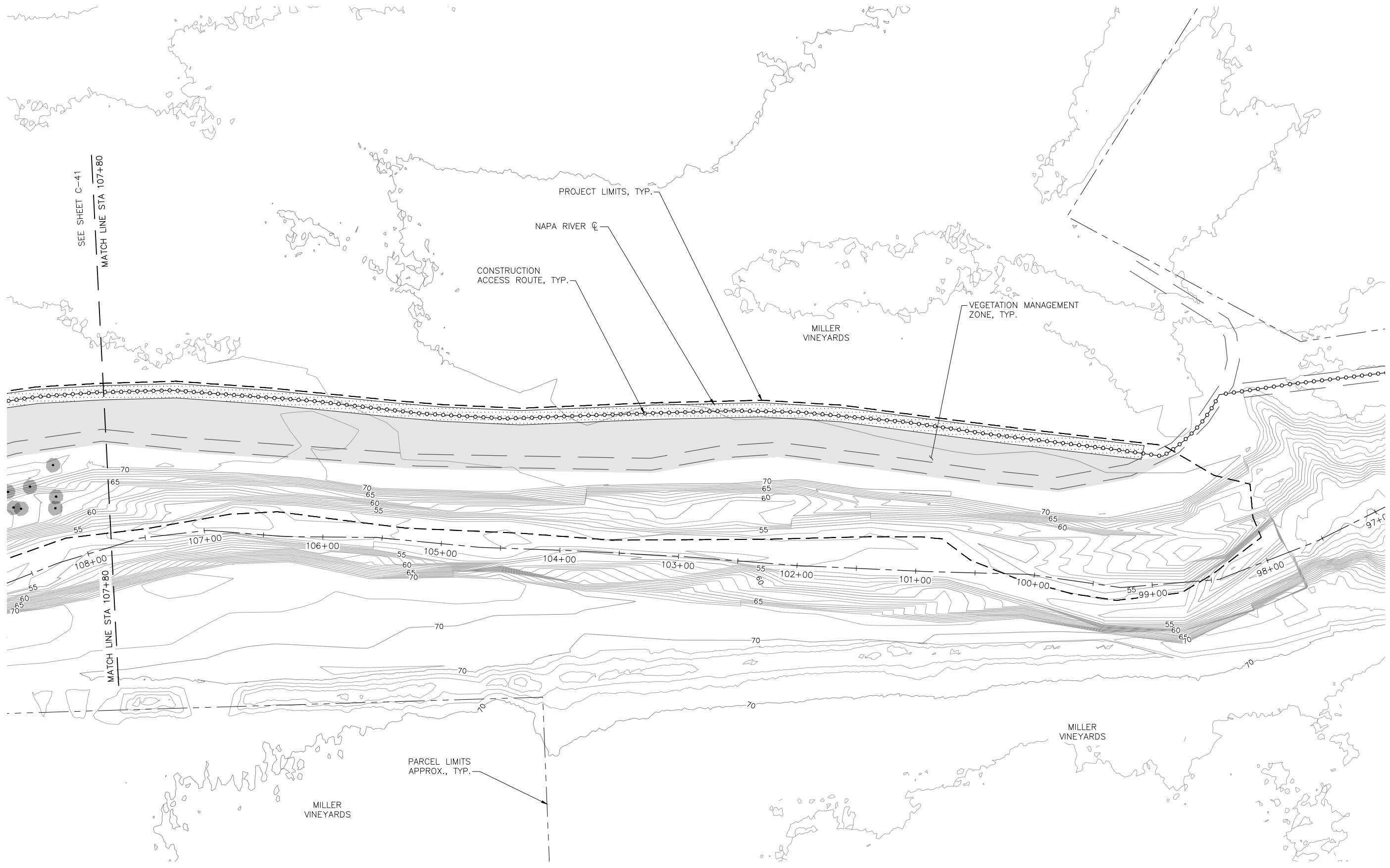
COUNTY PROJECT NO.: PW XX-XX

SPECIFICATION NO.: PW XX-XX

SHEET NO.: 53 OF 67

DWG NO.: C-38

**DRAFT 65%
NOT FOR CONSTRUCTION**



- NOTES:
1. CONTRACTOR SHALL PROVIDE GRADE STAKES PER PLAN. GRADING TO BE CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
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 3. OVEREXCAVATE AND PLACE 6-INCH LAYER OF PLANTING TOPSOIL WHERE DEPTH OF CUT EXCEEDS 12 INCHES, SEE SPECIFICATIONS.
 4. VEGETATION MANAGEMENT TO INCLUDE NON-NATIVE SPECIES REMOVAL AND SUPPLEMENTAL PLANTING OF SELECT NATIVE PLANT SPECIES WITHIN AREAS SHOWN.

ENHANCEMENTS - SITE 4B CONTINUED

PLAN VIEW SCALE: 1" = 40'

PLOT DATE: 11/7/2019 7:12 PM
 LAST SAVE DATE: 11/7/2019 3:17 PM
 FILE: K:\PROJECTS\2012\DI\20076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\24 ENHANCEMENT PLANS.DWG

ESA
 515 Henry Street
 Suite 800
 Napa, CA 94559
 707.252.2300

DESIGNED: JORGEN BLOMBERG, ANNE BERGONDOVO
 DRAWN: GREG WESSMANN, LAKE WADE
 IN CHARGE: ANNE BERGONDOVO

PROJECT: NAPA RIVER RESTORATION PROJECT
 OAKVILLE TO OAK KNOLL
 REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: ENHANCEMENTS - SITE 4B
 CONTINUED

COUNTY OF NAPA - PUBLIC WORKS

REVIEWER: XXX XXX, PE
 APPROVAL RECOMMENDED: XXX XXX, PE
 APPROVED: XXX XXX, PE
 DATE:

COUNTY OF NAPA
 NAPA COUNTY DEPARTMENT
 OF PUBLIC WORKS
 1195 THIRD ST, SUITE 101
 NAPA, CA 94549

A Tradition of Stewardship
 A Commitment to Service

DATE: 10/2019 SCALE: AS SHOWN

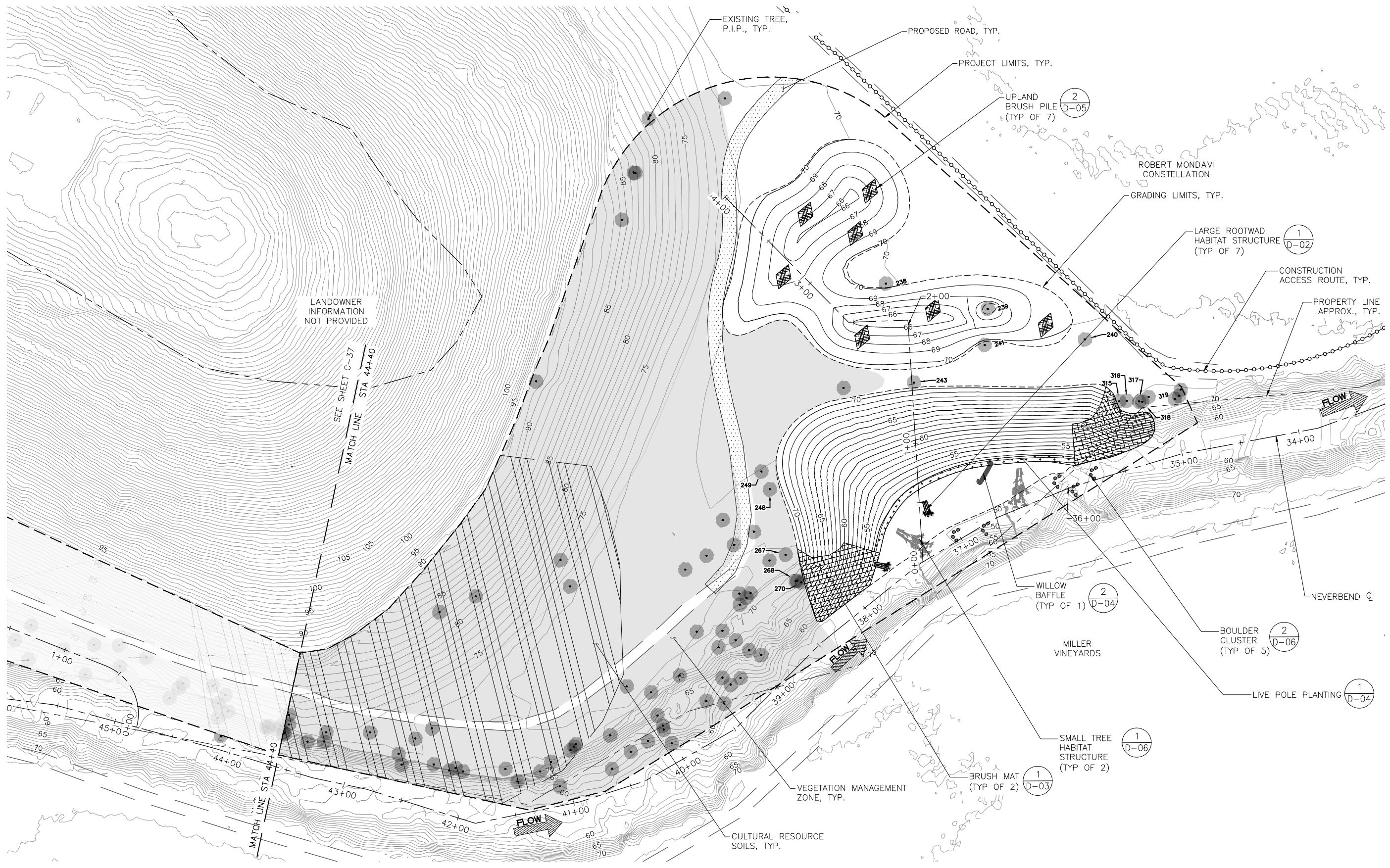
COUNTY PROJECT NO.: PW XX-XX

SPECIFICATION NO.: PW XX-XX

SHEET NO.: 54 OF 67

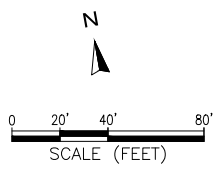
DWG NO.: C-39

**DRAFT 65%
NOT FOR CONSTRUCTION**



- NOTES:
1. CONTRACTOR SHALL PROVIDE GRADE STAKES PER PLAN. GRADING TO BE CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 2. CONTRACTOR SHALL PROVIDE STAKES TO LAYOUT STRUCTURE LOCATION AND ORIENTATION PER PLAN. ENHANCEMENT STRUCTURE LOCATIONS TO BE REVIEWED, CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 3. OVEREXCAVATE AND PLACE 6-INCH LAYER OF PLANTING TOPSOIL WHERE DEPTH OF CUT EXCEEDS 12 INCHES, SEE SPECIFICATIONS.
 4. VEGETATION MANAGEMENT TO INCLUDE NON-NATIVE SPECIES REMOVAL AND SUPPLEMENTAL PLANTING OF SELECT NATIVE PLANT SPECIES WITHIN AREAS SHOWN.

ENHANCEMENTS - SITE 3
PLAN VIEW SCALE: 1" = 40'



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LAST SAVE DATE: 11/7/2019 3:17 PM
FILE: K:\PROJECTS\2012\DI\20076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\24 ENHANCEMENT PLANS.DWG

ESA
565 Henry Street
Suite 800
Oakville, CA 94109
916.932.2300
FAX: 916.932.2300

DESIGNED: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO
CHECKED: JORGEN BLOMBERG, ANNE BERGONDOVO
DRAWN: GREG WESSMANN, LANCE WARE

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: ENHANCEMENTS - SITE 3

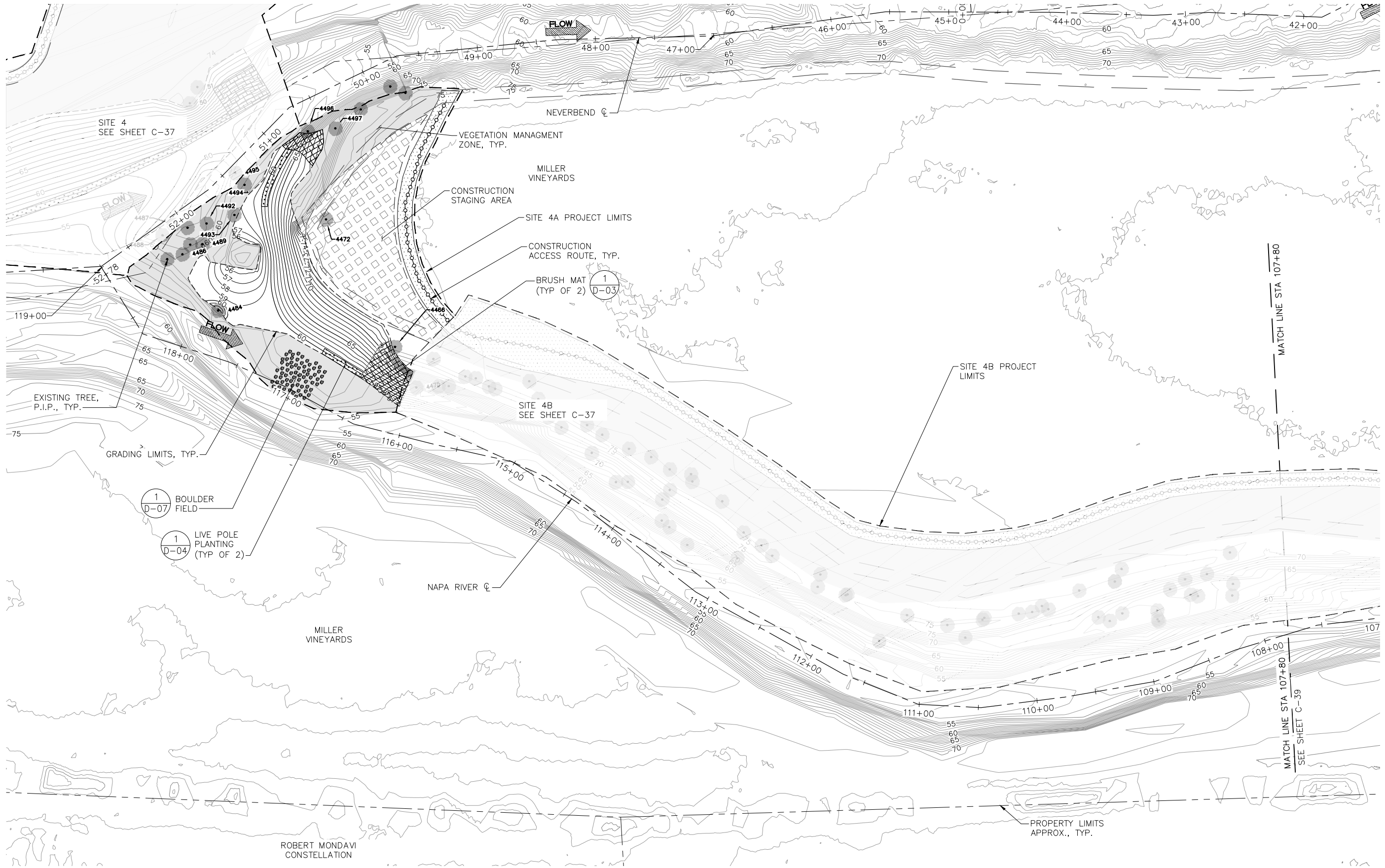
COUNTY OF NAPA - PUBLIC WORKS

REVIEWER: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

COUNTY OF NAPA
NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

DATE: 10/2019 SCALE: AS SHOWN
COUNTY PROJECT NO.: PW XX-XX
SPECIFICATION NO.: PW XX-XX
SHEET NO.: 55 OF 67
DWG NO.: C-40

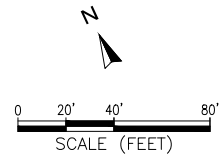
**DRAFT 65%
NOT FOR CONSTRUCTION**



- NOTES:
1. CONTRACTOR SHALL PROVIDE GRADE STAKES PER PLAN. GRADING TO BE CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 2. CONTRACTOR SHALL PROVIDE STAKES TO LAYOUT STRUCTURE LOCATION AND ORIENTATION PER PLAN. ENHANCEMENT STRUCTURE LOCATIONS TO BE REVIEWED, CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 3. OVEREXCAVATE AND PLACE 6-INCH LAYER OF PLANTING TOPSOIL WHERE DEPTH OF CUT EXCEEDS 12 INCHES, SEE SPECIFICATIONS.
 4. VEGETATION MANAGEMENT TO INCLUDE NON-NATIVE SPECIES REMOVAL AND SUPPLEMENTAL PLANTING OF SELECT NATIVE PLANT SPECIES WITHIN AREAS SHOWN.

ENHANCEMENTS - SITE 4A

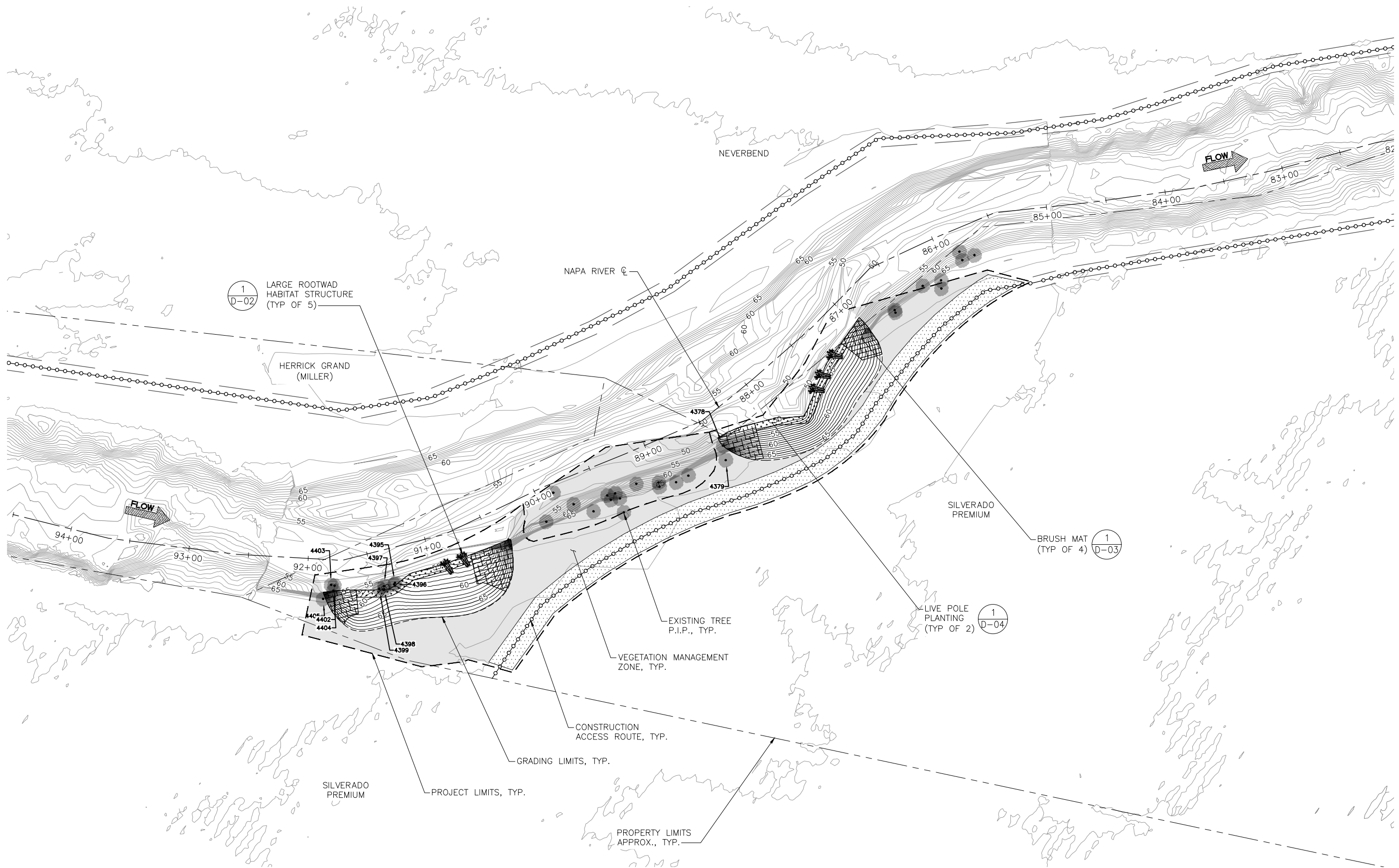
PLAN VIEW SCALE: 1" = 40'



PLOT DATE: 11/7/2019 7:13 PM
LAST SAVE DATE: 11/7/2019 3:17 PM
FILE K:\PROJECTS\2012\DI\20076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\24 ENHANCEMENT PLANS.DWG

		565 Henry Street Suite 800 Ukiah, CA 95518 707.462.2300	
DRAWN: GREG WESSMANN, LAKE WAKE		CHECKED: JORGEN BLOMBERG, ANN BERGONDOVO	
DESIGNED: JORGEN BLOMBERG, SCOTT SMITH		IN CHARGE: ANN BERGONDOVO	
PROJECT: NAPA RIVER RESTORATION PROJECT OAKVILLE TO OAK KNOLL REACH - GROUP D (PHASE 1 AND PHASE 2)			
SHEET TITLE: ENHANCEMENTS - SITE 4A			
COUNTY OF NAPA - PUBLIC WORKS		NAPA COUNTY DEPARTMENT OF PUBLIC WORKS 1195 THIRD ST, SUITE 101 NAPA, CA 94549	
DATE: 10/2019	SCALE: AS SHOWN		
COUNTY PROJECT NO. PW XX-XX		SPECIFICATION NO. PW XX-XX	
SHEET NO. 56 OF 67		DWG NO. C-41	

**DRAFT 65%
NOT FOR CONSTRUCTION**



- NOTES:
1. CONTRACTOR SHALL PROVIDE GRADE STAKES PER PLAN. GRADING TO BE CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 2. CONTRACTOR SHALL PROVIDE STAKES TO LAYOUT STRUCTURE LOCATION AND ORIENTATION PER PLAN. ENHANCEMENT STRUCTURE LOCATIONS TO BE REVIEWED, CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
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 4. VEGETATION MANAGEMENT TO INCLUDE NON-NATIVE SPECIES REMOVAL AND SUPPLEMENTAL PLANTING OF SELECT NATIVE PLANT SPECIES WITHIN AREAS SHOWN.

ENHANCEMENTS - SITE 2B
PLAN VIEW SCALE: 1" = 40'

PLOT DATE: 11/7/2019 7:13 PM
LAST SAVE DATE: 11/7/2019 3:17 PM
FILE: K:\PROJECTS\2012\DI\20076.G0 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\24 ENHANCEMENT PLANS.DWG

ESA
565 Henry Street
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Oakville, CA 94109
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DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO
CHECKED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
DRAWN BY: GREG WESSMANN, LAURE WARE

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: ENHANCEMENTS - SITE 2B

COUNTY OF NAPA - PUBLIC WORKS

REVIEWED: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

COUNTY OF NAPA
NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

DATE: 10/2019 SCALE: AS SHOWN

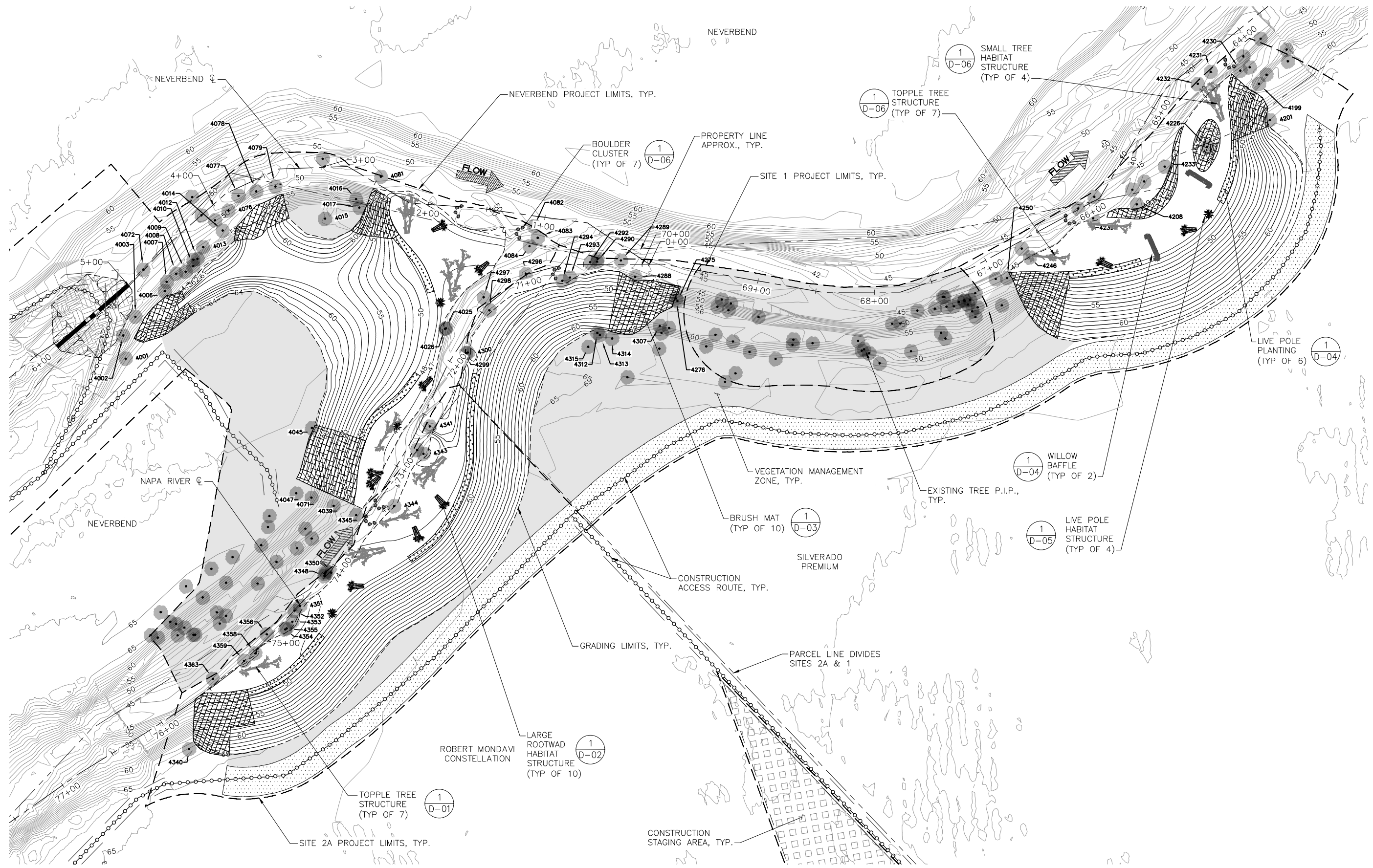
COUNTY PROJECT NO.: PW XX-XX

SPECIFICATION NO.: PW XX-XX

SHEET NO.: 57 OF 67

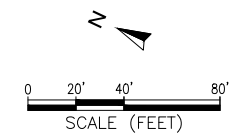
DWG NO.: C-42

**DRAFT 65%
NOT FOR CONSTRUCTION**



- NOTES:
- CONTRACTOR SHALL PROVIDE GRADE STAKES PER PLAN. GRADING TO BE CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 - CONTRACTOR SHALL PROVIDE STAKES TO LAYOUT STRUCTURE LOCATION AND ORIENTATION PER PLAN. ENHANCEMENT STRUCTURE LOCATIONS TO BE REVIEWED, CONFIRMED AND ADJUSTED IN THE FIELD AS NEEDED IN COORDINATION WITH OWNER'S REPRESENTATIVE.
 - OVEREXCAVATE AND PLACE 6-INCH LAYER OF PLANTING TOPSOIL WHERE DEPTH OF CUT EXCEEDS 12 INCHES, SEE SPECIFICATIONS.
 - VEGETATION MANAGEMENT TO INCLUDE NON-NATIVE SPECIES REMOVAL AND SUPPLEMENTAL PLANTING OF SELECT NATIVE PLANT SPECIES WITHIN AREAS SHOWN.

ENHANCEMENTS - SITE 2A,1 & NEVERBEND
PLAN VIEW SCALE: 1" = 40'



PLOT DATE: 11/17/2019 7:14 PM
LAST SAVE DATE: 11/17/2019 3:17 PM
FILE K:\PROJECTS\2012\120076\00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\24 ENHANCEMENT PLANS.DWG

ESA
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915.892.8300
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DESIGNED: JORGEN BLOMBERG, ANN BERGONDOVO
IN CHARGE: JORGEN BLOMBERG, SCOTT SMITH
ANN BERGONDOVO CO3102

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)
SHEET TITLE: ENHANCEMENTS - SITE 2A,1 & NEVERBEND

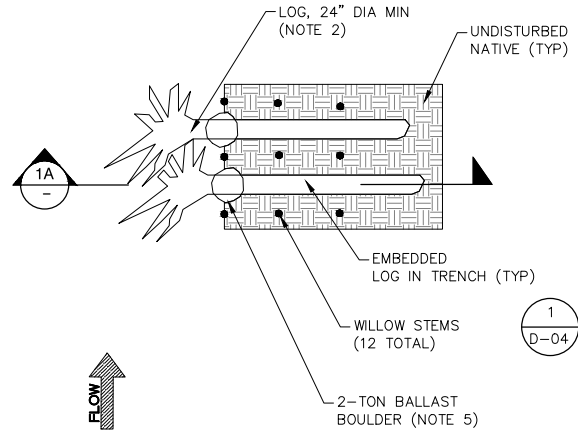
COUNTY OF NAPA - PUBLIC WORKS
REVIEWER: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:

NAPA COUNTY DEPARTMENT OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

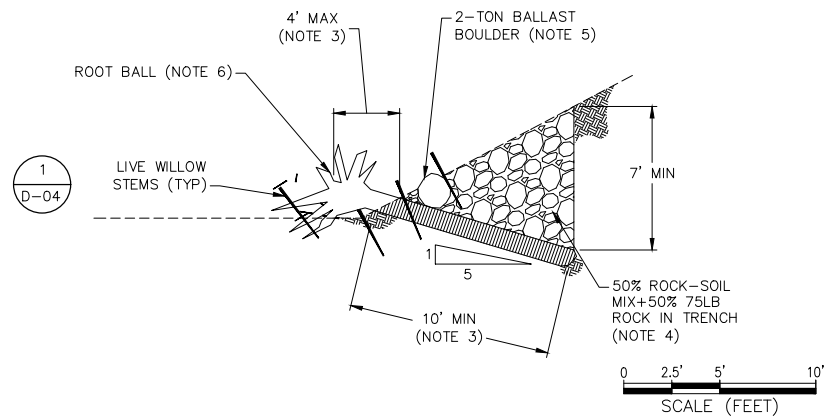


DATE: 10/2019 SCALE: AS SHOWN
COUNTY PROJECT NO.: PW XX-XX
SPECIFICATION NO.: PW XX-XX
SHEET NO.: 58 OF 67
DWG NO.: C-43

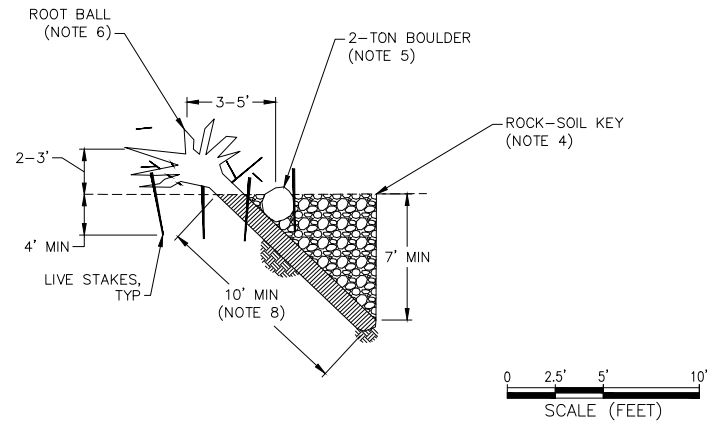
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1 LARGE ROOTWAD HABITAT STRUCTURE
PLAN VIEW SCALE: 1" = 5'



1A LARGE ROOTWAD HABITAT STRUCTURE
SECTION VIEW SCALE: 1" = 5'



1A LARGE ROOTWAD HABITAT STRUCTURE
SECTION VIEW SCALE: 1" = 5'

- NOTES:
- BRANCHES SHALL BE A MINIMUM OF 50% LIVE WILLOWS. REMAINING 50% MAY BE OTHER NATIVE SPECIES AND NON-LIVING.
 - NATIVE WOOD PIECES SHALL BE HARVESTED DURING CLEAR AND GRUBBING AND STOCKPILED FOR PLACEMENT AFTER EROSION CONTROL MEASURES HAVE BEEN IMPLEMENTED.
 - WOOD PIECES LARGER THAN 2 INCHES IN DIAMETER WILL NOT EXCEED 15 FEET IN LENGTH.
 - ROCK-SOIL MIX TO CONSIST OF 50% 75 LB ROCK, 25% BEDDING, AND 25% NATIVE MATERIAL.
 - PRIOR TO INSTALLATION, FIELD STAKE STRUCTURE LOCATION (LOG ENDPOINTS) FOR REVIEW BY THE OWNER'S REPRESENTATIVE. ALLOW 3 WORKING DAYS FOR REVIEW AND ADJUST STAKES AS DIRECTED. LOG SHALL BE PLACED IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. FIELD FIT AND ADJUST AS NEEDED TO CONFORM IRREGULAR LOGS TO NEAT DIMENSIONS SHOWN.
 - DETAIL SHOWS EMBEDMENT DEPTH ASSUMING THE LOG IS THE MINIMUM LENGTH SPECIFIED. IF LONGER LOG IS USED.
 - INCREASE EMBEDMENT LENGTH AND DEPTH AS NEEDED TO MEET REQUIREMENTS SHOWN. DETAIL SHOWS MAXIMUM EXPOSED LOG LENGTH. LENGTH MAY BE INCREASED IF LONGER LOG IS USED. CONFIRM WITH RESTORATION ENGINEER.
 - BACKFILL TRENCH WITH ROCK-SOIL MIX AND COMPACT TO 90% RC. STAKE THE END POINTS OF THE BURIED LOG TO GUIDE BALLAST PLACEMENT. TRENCH LIMITS SHOWN ARE SCHEMATIC ONLY. ACTUAL LIMITS WILL VARY.
 - BALLAST CAN BE ONE 2-TON BOULDER OR TWO 1-TON BOULDERS PER LOG AT CONTRACTOR'S OPTION. BALLAST BOULDER MUST BEAR DIRECTLY ON LOG. BALLAST BOULDER MAY PROTRUDE ABOVE SURFACE NO MORE THAN 6".
 - CONTRACTOR TO EXERCISE CARE DURING HANDLING OF LOGS DURING HARVEST AND TRANSPORT TO PRESERVE ROOT STRUCTURE (MAINTAIN MINIMUM ROOT LENGTHS OF 3'). INSTALL BRUSH MAT OVER FINISHED GRADE PER DETAIL 1 SHEET D-03 AS SHOWN ON ENHANCEMENT SHEETS C-34 THROUGH C-43.
 - ORIENT BRANCH BUNDLES TO MAXIMIZE VOLUME AND EXTENT. BUNDLE COMPOSED OF 6 TO 8 LIVE WILLOW STEMS (MIN 4) AND SLASH.
 - AVERAGE BUNDLE DIAMETER 2'-3'. MINIMUM BUNDLE LENGTH 8', MAXIMUM LENGTH 12'.
 - SMALL TREES MAY ALSO BE USED AS SLASH. 50% OF BRANCHES IN BUNDLE TO BE LIVE WILLOW STEMS WITH LEAVES STRIPPED (ACCEPTABLE SPECIES INCLUDE WILLOW, COTTONWOOD, AND ALDER).
 - PLACE BRANCH BUNDLES UNDER ROOT BALL OR IN LOG STRUCTURE PER DETAIL.
 - INDIVIDUAL PIECES OF BUNDLE MAY BE LASHED TO ACHIEVE SPREAD OF BUNDLE PER DETAIL.

PLOT DATE: 11/7/2019 7:14 PM
LAST SAVE DATE: 11/5/2019 5:10 PM
FILE K:\PROJECTS\2012\120076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\32 HABITAT LOG STRUCTURE.DWG



510 Henry Street
Suite 800
Oakville, CA 94109
916.832.2300
www.esa.com

DESIGNED: JORGEN BLOMBERG, ANN BERGONDOVO
IN CHARGE: ANN BERGONDOVO
CHECKED: JORGEN BLOMBERG, ANN BERGONDOVO

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE:
**LARGE ROOTWAD HABITAT
STRUCTURE**

COUNTY OF NAPA - PUBLIC WORKS

NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549



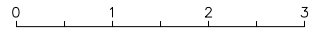
DATE: 10/2019 SCALE: AS SHOWN

COUNTY PROJECT NO.: PW XX-XX

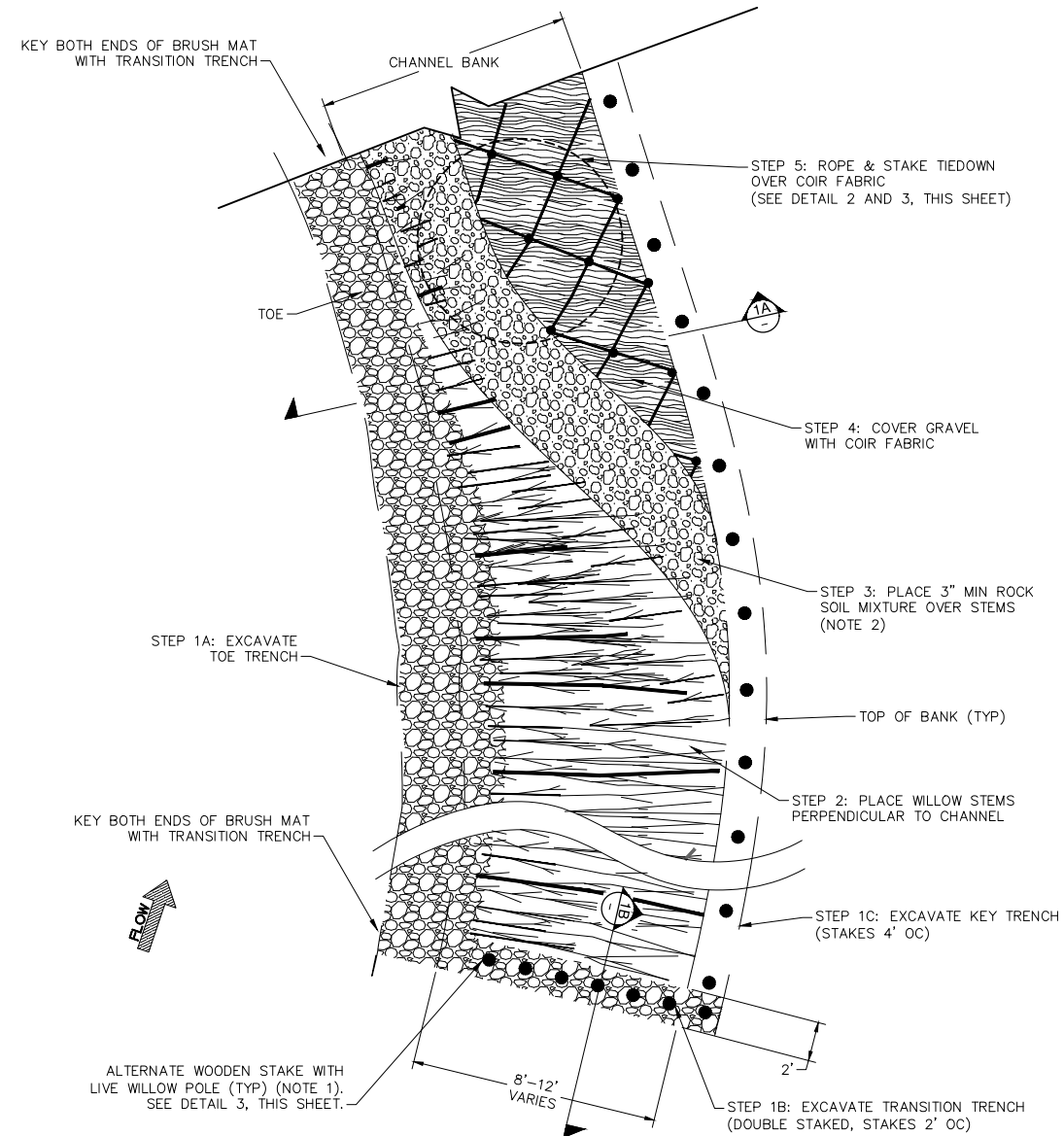
SPECIFICATION NO.: PW XX-XX

SHEET NO.: **60** OF **67**

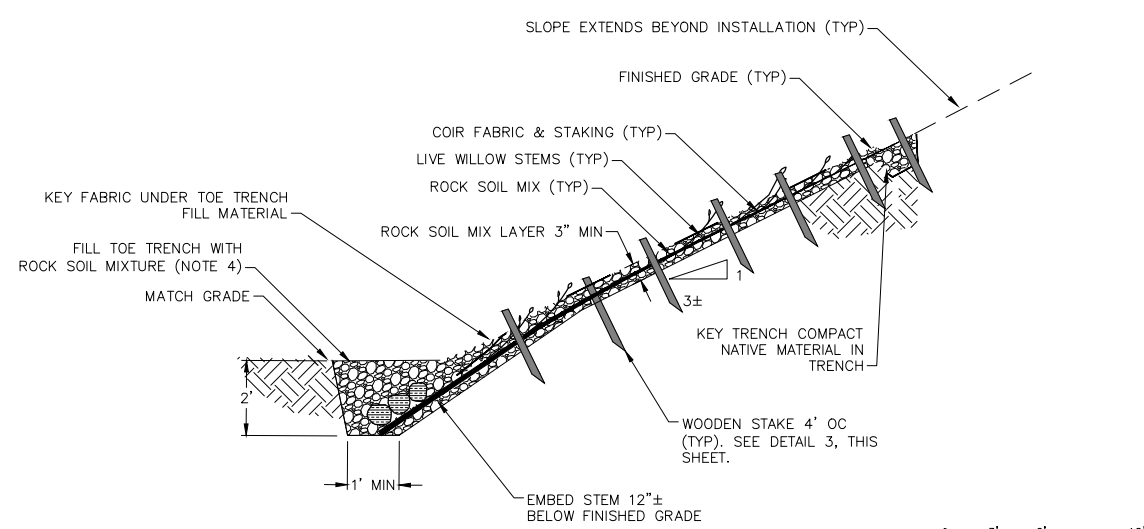
DWG NO.: **D-02**



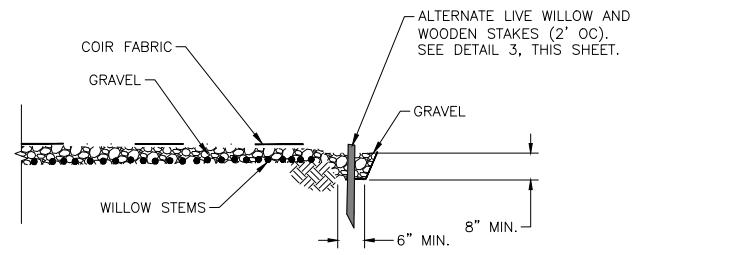
**DRAFT 65%
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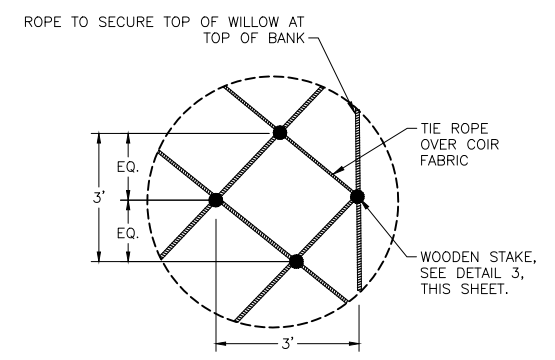
1 BRUSH MAT
PLAN VIEW
SCALE: 1" = 5'



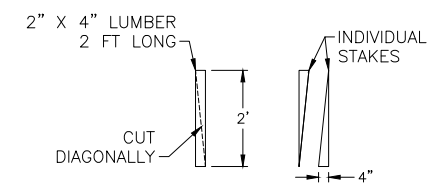
1A BRUSH MAT
SECTION VIEW
SCALE: 1" = 5'



1B BRUSH MAT TRANSITION
SECTION VIEW
SCALE: 1" = 5'



2 BRUSH MAT ROPE AND STAKE TIEDOWN
PLAN VIEW
NOT TO SCALE



3 WOODEN STAKE
FABRICATION DETAIL
SCALE: 1" = 2'

- NOTES:
- BRANCHES SHALL BE A MINIMUM OF 50% LIVE WILLOWS. REMAINING 50% MAY BE OTHER NATIVE SPECIES AND NON-LIVING.
 - NATIVE WOOD PIECES SHALL BE HARVESTED DURING CLEAR AND GRUBBING AND STOCKPILED FOR PLACEMENT AFTER EROSION CONTROL MEASURES HAVE BEEN IMPLEMENTED.
 - WOOD PIECES LARGER THAN 2 INCHES IN DIAMETER WILL NOT EXCEED 15 FEET IN LENGTH.
 - ROCK-SOIL MIX TO CONSIST OF 50% 75 LB ROCK, 25% BEDDING, AND 25% NATIVE MATERIAL.

PLOT DATE: 11/7/2019 7:14 PM
 LAST SAVE DATE: 10/3/2019 3:34 PM
 FILE: K:\PROJECTS\2012\DI\20076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\33 BRUSH MAT.DWG

ESA
 515 Henry Street
 Suite 800
 Oakland, CA 94612
 415.862.2300
 FAX: 415.862.2300

DESIGNED: JORGEN BLOMBERG, LANCE WADE
 IN CHARGE: JORGEN BLOMBERG, SCOTT SMITH
 CHECKED: JORGEN BLOMBERG, ANN BERGONDOVO
 DATE: ANN BERGONDOVO 003102

PROJECT: **NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)**

SHEET TITLE: **BRUSH MAT**

COUNTY OF NAPA - PUBLIC WORKS

REVIEWER: XXX XXX, PE
 APPROVAL RECOMMENDED: XXX XXX, PE
 APPROVED: XXX XXX, PE
 DATE: XXX XXX, PE

COUNTY OF NAPA - PUBLIC WORKS

NAPA COUNTY DEPARTMENT
OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

A Tradition of Stewardship
A Commitment to Service

DATE: 10/2019 SCALE: AS SHOWN

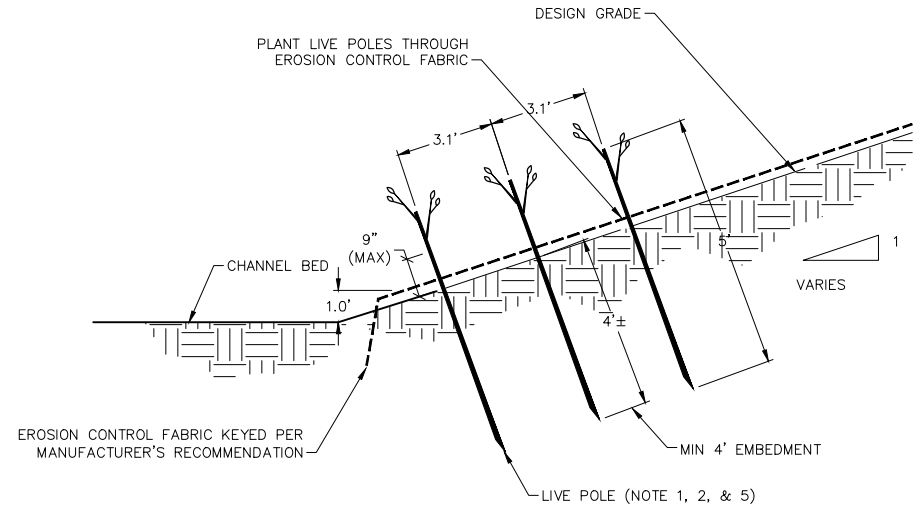
COUNTY PROJECT NO.: PW XX-XX

SPECIFICATION NO.: PW XX-XX

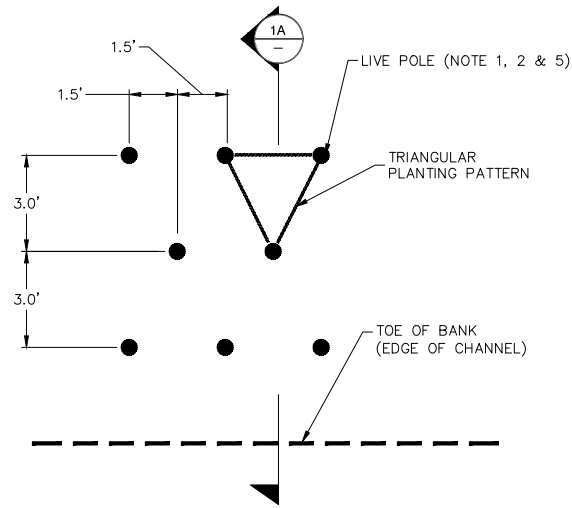
61 OF 67

DWG NO.: **D-03**

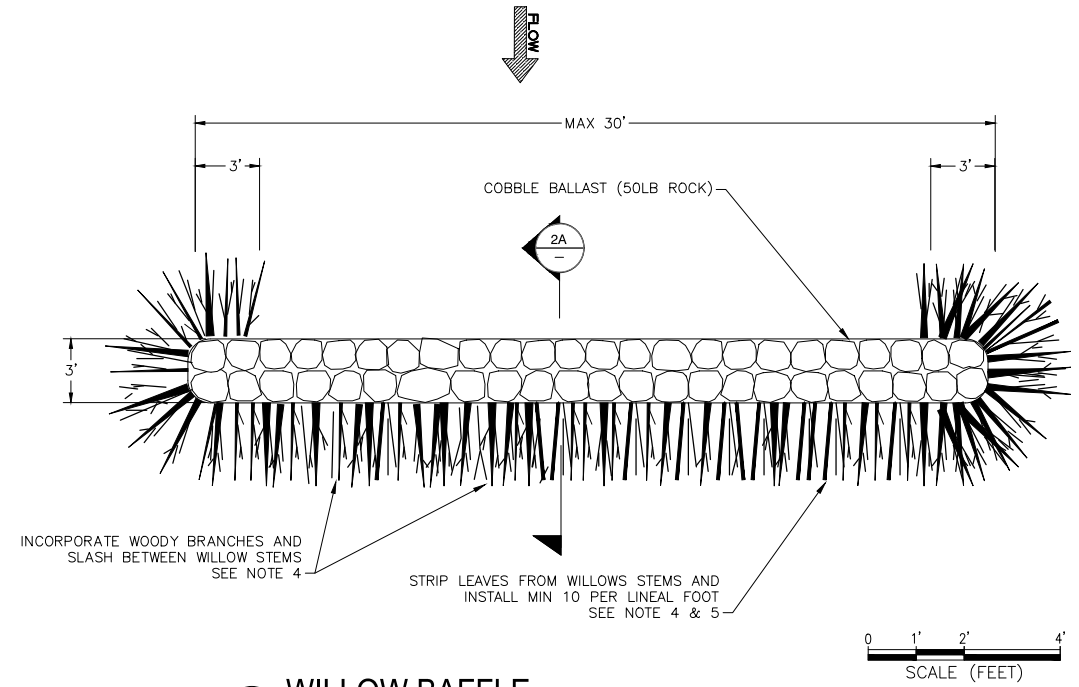
DRAFT 65%
NOT FOR CONSTRUCTION



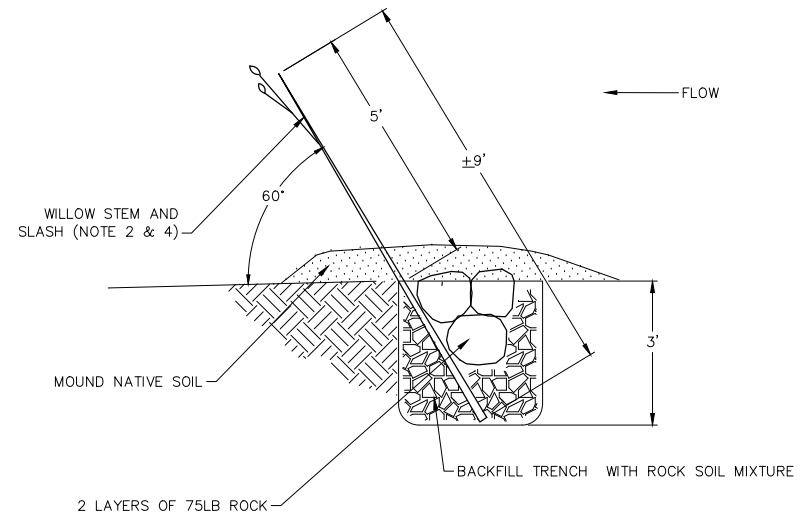
1A LIVE POLE PLANTING
SECTION VIEW
SCALE: 1" = 3'



1 LIVE POLE PLANTING
PLAN VIEW
SCALE: 1" = 3'



2 WILLOW BAFFLE
PLAN VIEW
SCALE: 1" = 3'



2A WILLOW BAFFLE
SECTION VIEW
SCALE: 1" = 2'

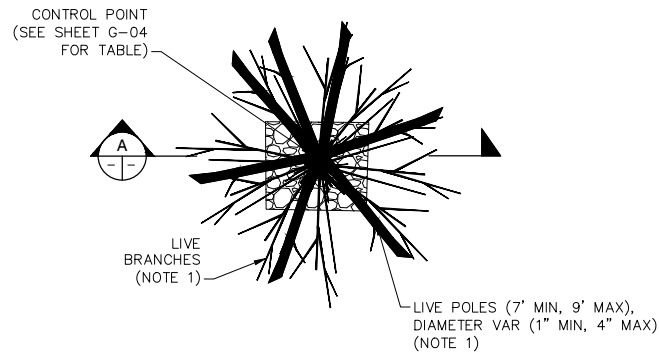
SHEET NOTES

- BRANCHES SHALL BE A MINIMUM OF 50% LIVE WILLOWS. REMAINING 50% MAY BE OTHER NATIVE SPECIES AND NON-LIVING.
- NATIVE WOOD PIECES SHALL BE HARVESTED DURING CLEAR AND GRUBBING AND STOCKPILED FOR PLACEMENT AFTER EROSION CONTROL MEASURES HAVE BEEN IMPLEMENTED.
- WOOD PIECES LARGER THAN 2 INCHES IN DIAMETER WILL NOT EXCEED 15 FEET IN LENGTH. ROCK-SOIL MIX TO CONSIST OF 50% 75 LB ROCK, 25% BEDDING, AND 25% NATIVE MATERIAL.
- LIVE POLE PLANTING TO CONSIST OF A MIX OF ALDER, WILLOW, AND COTTONWOOD. SEE SPECIFICATIONS.
- CONTRACTOR SHALL STRIP ALL LEAVES FROM LIVE POLES AND WILLOW STEMS PRIOR TO INSTALLATION (INCLUDING WILLOW BAFFLES).
- SEE SCHEDULE OF ENHANCEMENTS, SHEET D-53. CONTRACTOR TO STAKE APPROXIMATE EXTENT OF BIOTECHNICAL STRUCTURES AND ALLOW 72 HOURS FOR RESTORATION ENGINEER TO CONFIRM OR ADJUST.
- WILLOW BAFFLE SHALL INCLUDE A MINIMUM OF 10 STEMS PER FOOT. ADD WOODY SLASH MATERIAL BETWEEN WILLOW STEMS TO CREATE A CONTINUOUS STRIP OF STEMS AND SLASH ALONG OUTER EDGE OF WILLOW BAFFLE.
- WATER ALL LIVE POLES AND WILLOW BAFFLES TWICE WEEKLY UNTIL SIGNIFICANT RAINFALL EVENT.

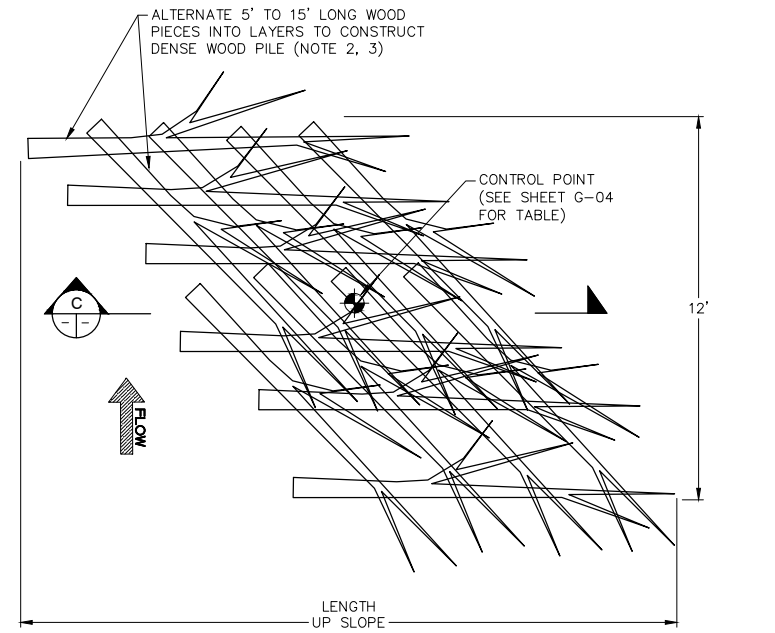
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LAST SAVE DATE: 11/5/2019 5:10 PM
FILE K:\PROJECTS\2012\DI\20076.G0 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\34 WILLOW PLANTINGS & WILLOW BAFFLE.DWG

	510 Henry Street Suite 800 CA 94109 415.832.2300	CHECKED: JORGEN BLOMBERG, ANN BORGONOVO
	DRAWN: GREG WESSMANN, LAKE WAHE	DESIGNED: JORGEN BLOMBERG, SCOTT SMITH
PROJECT: NAPA RIVER RESTORATION PROJECT OAKVILLE TO OAK KNOLL REACH - GROUP D (PHASE 1 AND PHASE 2)		
SHEET TITLE: WILLOW PLANTINGS & WILLOW BAFFLE		
COUNTY OF NAPA - PUBLIC WORKS NAPA COUNTY DEPARTMENT OF PUBLIC WORKS 1195 THIRD ST, SUITE 101 NAPA, CA 94549		
REVIEWER: XXX XXX, PE APPROVAL RECOMMENDED: XXX XXX, PE APPROVED: XXX XXX, PE DATE:	COUNTY PROJECT NO. PW XX-XX SPECIFICATION NO. PW XX-XX SHEET NO. 62 OF 67 DWG NO. D-04	
DATE: 10/2019 SCALE: AS SHOWN		

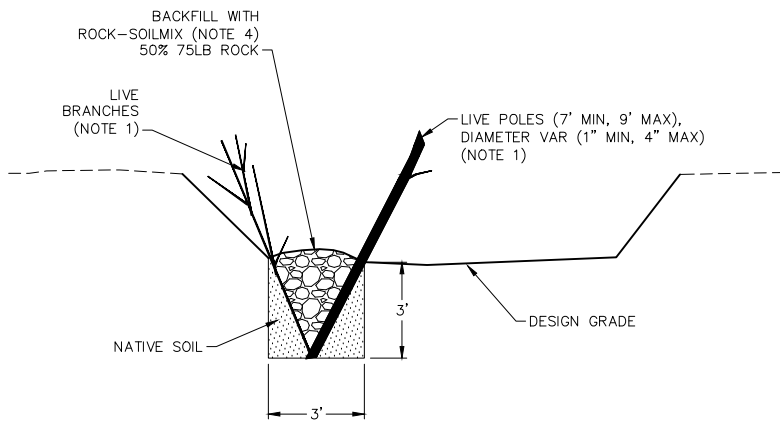




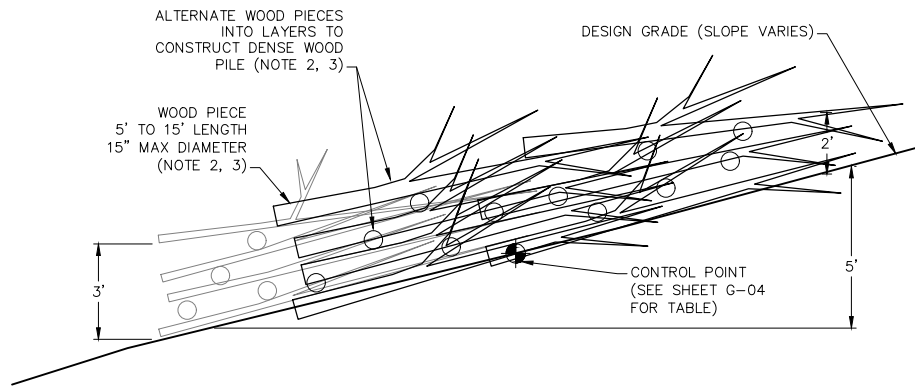
1 LIVE POLE HABITAT STRUCTURE
SECTION VIEW SCALE: 1" = 3'



2 UPLAND BRUSH PILE
PLAN VIEW SCALE: 1" = 3'



1A LIVE POLE HABITAT STRUCTURE
SECTION VIEW SCALE: 1" = 3'



2C UPLAND BRUSH PILE
SECTION VIEW SCALE: 1" = 3'

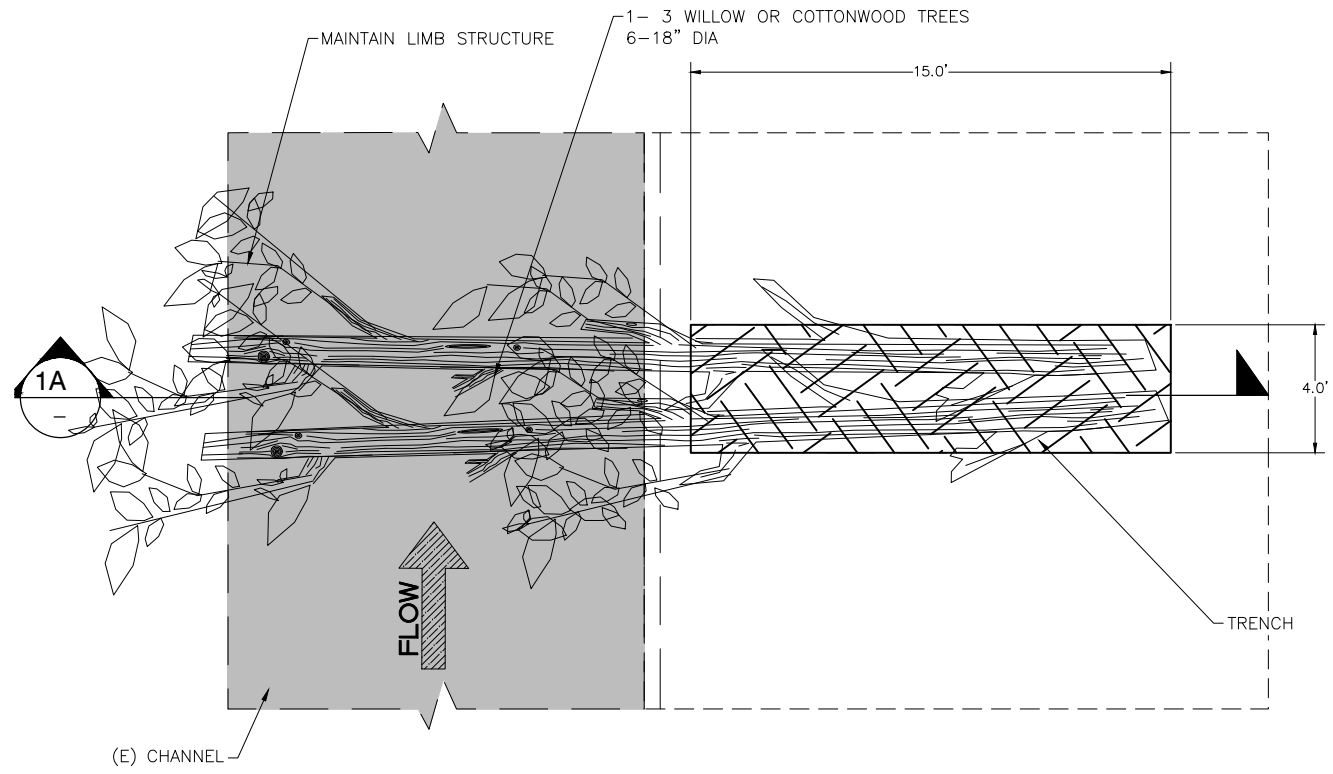
- NOTES:
- BRANCHES SHALL BE A MINIMUM OF 50% LIVE WILLOWS, REMAINING 50% MAY BE OTHER NATIVE SPECIES AND NON-LIVING.
 - NATIVE WOOD PIECES SHALL BE HARVESTED DURING CLEAR AND GRUBBING AND STOCKPILED FOR PLACEMENT AFTER EROSION CONTROL MEASURES HAVE BEEN IMPLEMENTED.
 - WOOD PIECES LARGER THAN 2 INCHES IN DIAMETER WILL NOT EXCEED 15 FEET IN LENGTH.
 - ROCK-SOIL MIX TO CONSIST OF 50% 75 LB ROCK, 25% BEDDING, AND 25% NATIVE MATERIAL.



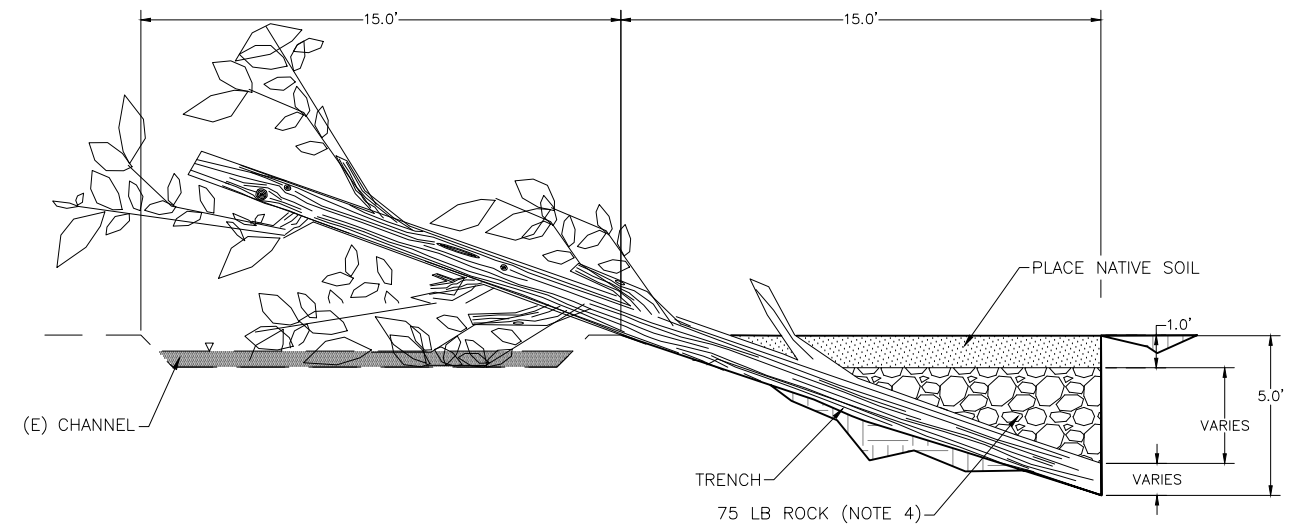
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FILE: K:\PROJECTS\2012\DI\20076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\35 UPLAND WOOD_LOADING.DWG

		515 Henry Street Suite 800 Napa, CA 94559 707.252.2300	
DRAWN: GREG WESSMANN, LAKE WAPE	DESIGNED: JORGEN BLOMBERG, ANNE BORGONOVO	CHECKED: JORGEN BLOMBERG, ANNE BORGONOVO	IN CHARGE: ANNE BORGONOVO
PROJECT: NAPA RIVER RESTORATION PROJECT OAKVILLE TO OAK KNOLL REACH - GROUP D (PHASE 1 AND PHASE 2)			
SHEET TITLE: LIVE POLE HABITAT & UPLAND WOOD			
COUNTY OF NAPA - PUBLIC WORKS		NAPA COUNTY DEPARTMENT OF PUBLIC WORKS 1195 THIRD ST, SUITE 101 NAPA, CA 94549	
REVIEWED: XXX XXX, PE	APPROVAL RECOMMENDED: XXX XXX, PE	APPROVED: XXX XXX, PE	DATE:
DATE	SCALE	AS SHOWN	
10/2019			
COUNTY PROJECT NO.	PW XX-XX		
SPECIFICATION NO.	PW XX-XX		
SHEET NO.	63	OF	67
DWG NO.	D-05		

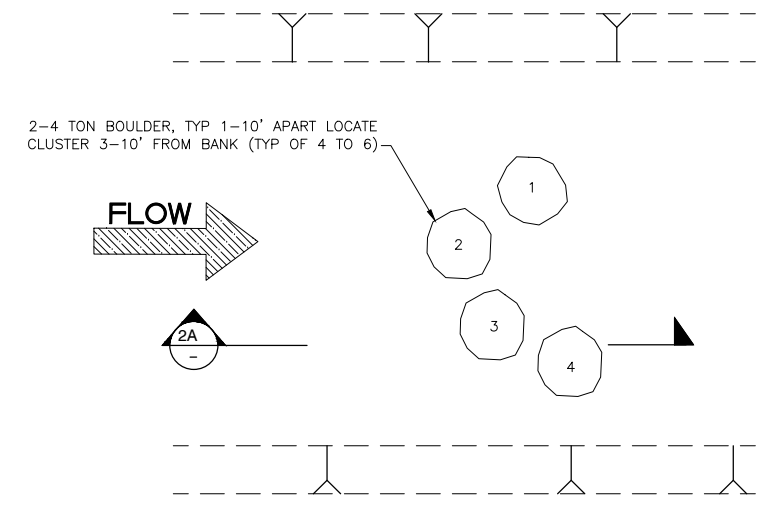
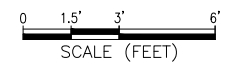
**DRAFT 65%
NOT FOR CONSTRUCTION**



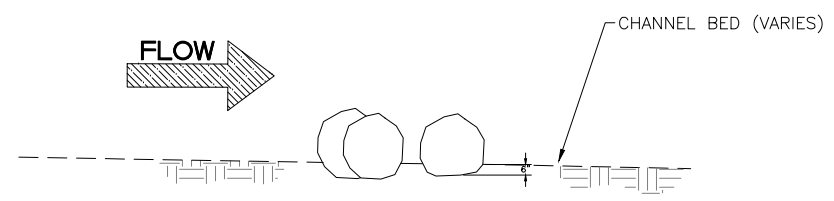
1 SMALL TREE HABITAT STRUCTURE
PLAN VIEW SCALE: 1" = 3'



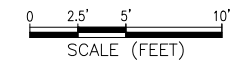
1A SMALL TREE HABITAT STRUCTURE
SECTION VIEW SCALE: 1" = 3'



2 BOULDER CLUSTER
SECTION VIEW SCALE: 1" = 3'



2A BOULDER CLUSTER
SECTION VIEW SCALE: 1" = 3'



- NOTES:
- BRANCHES SHALL BE A MINIMUM OF 50% LIVE WILLOWS, REMAINING 50% MAY BE OTHER NATIVE SPECIES AND NON-LIVING.
 - NATIVE WOOD PIECES SHALL BE HARVESTED DURING CLEAR AND GRUBBING AND STOCKPILED FOR PLACEMENT AFTER EROSION CONTROL MEASURES HAVE BEEN IMPLEMENTED.
 - WOOD PIECES LARGER THAN 2 INCHES IN DIAMETER WILL NOT EXCEED 15 FEET IN LENGTH.
 - ROCK-SOIL MIX TO CONSIST OF 50% 75 LB ROCK, 25% BEDDING, AND 25% NATIVE MATERIAL.

PLOT DATE: 11/7/2019 7:14 PM
 LAST SAVE DATE: 10/3/2019 3:32 PM
 FILE K:\PROJECTS\2012\DI\20076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\36 TREE STRUCTURE & BOULDER CLUSTER.DWG

ESA
 515 Henry Street
 Suite 800
 Berkeley, CA 94710
 415.862.3300
 FAX: 415.862.3300

DESIGNED BY: JORGEN BLOMBERG, LANCE WADE
 IN CHARGE: JORGEN BLOMBERG, SCOTT SMITH
 ANA BERGONDOVO CO3102

PROJECT: NAPA RIVER RESTORATION PROJECT
 OAKVILLE TO OAK KNOLL
 REACH - GROUP D (PHASE 1 AND PHASE 2)
 SHEET TITLE: SMALL TREE HABITAT STRUCTURE & BOULDER CLUSTER

COUNTY OF NAPA - PUBLIC WORKS
 REVIEWER: XXX XXX, PE
 APPROVAL RECOMMENDED: XXX XXX, PE
 APPROVED: XXX XXX, PE
 DATE:

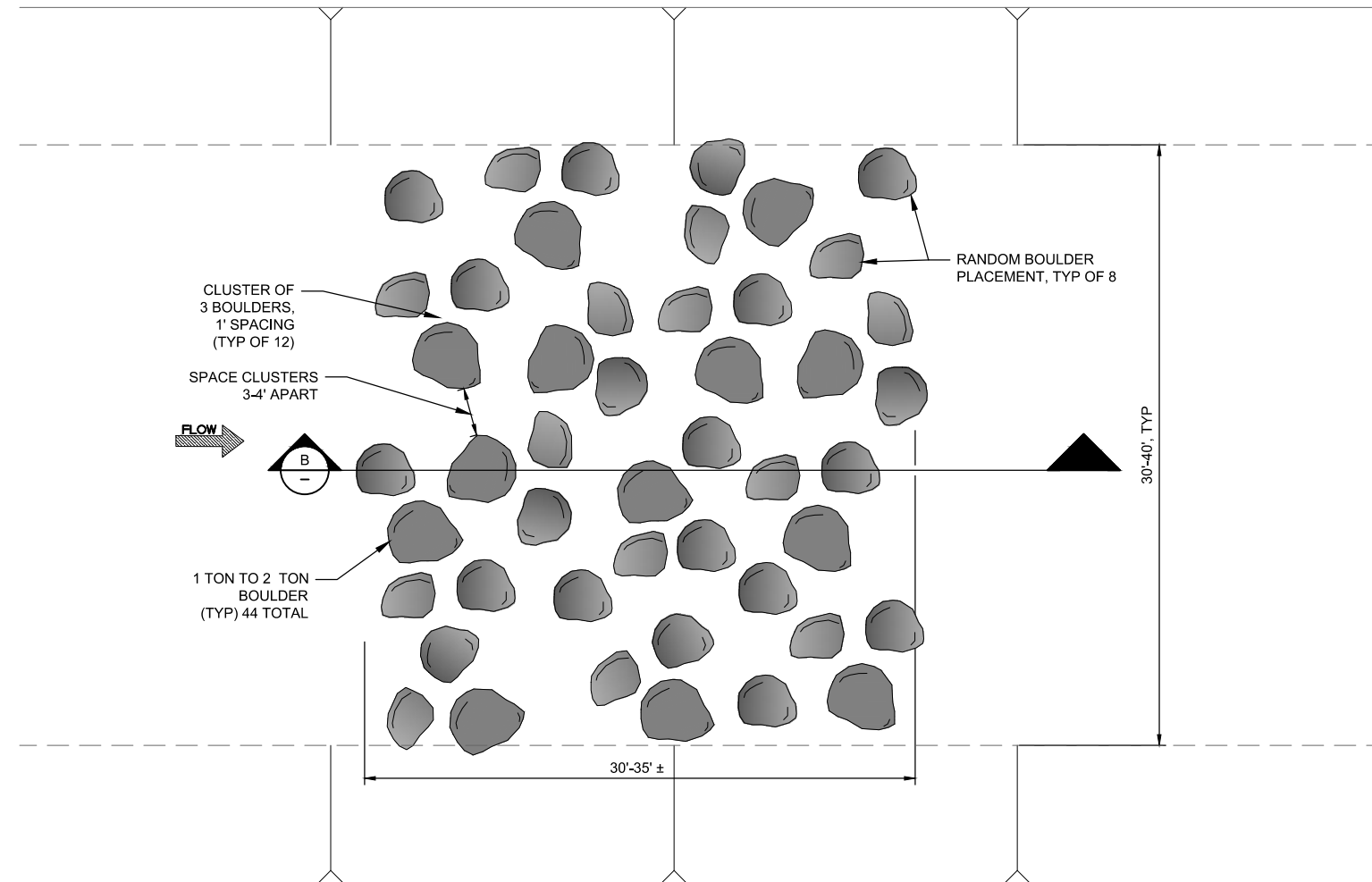
NAPA COUNTY DEPARTMENT OF PUBLIC WORKS
 1195 THIRD ST, SUITE 101
 NAPA, CA 94549



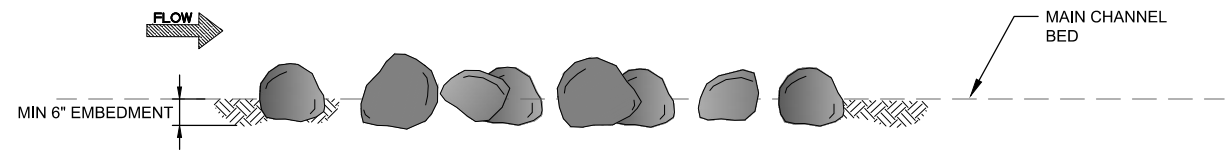
DATE: 10/2019 SCALE: AS SHOWN
 COUNTY PROJECT NO.: PW XX-XX
 SPECIFICATION NO.: PW XX-XX
 SHEET NO.: **64** OF **67**
 DWG NO.: **D-06**

**DRAFT 65%
NOT FOR CONSTRUCTION**

PLOT DATE: 11/7/2019 7:14 PM
 LAST SAVE DATE: 10/3/2019 3:32 PM
 FILE: K:\PROJECTS\2012\120076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\38 BOULDER FIELD DETAIL.DWG



1 BOULDER FIELD
 PLAN VIEW SCALE: 1" = 5'



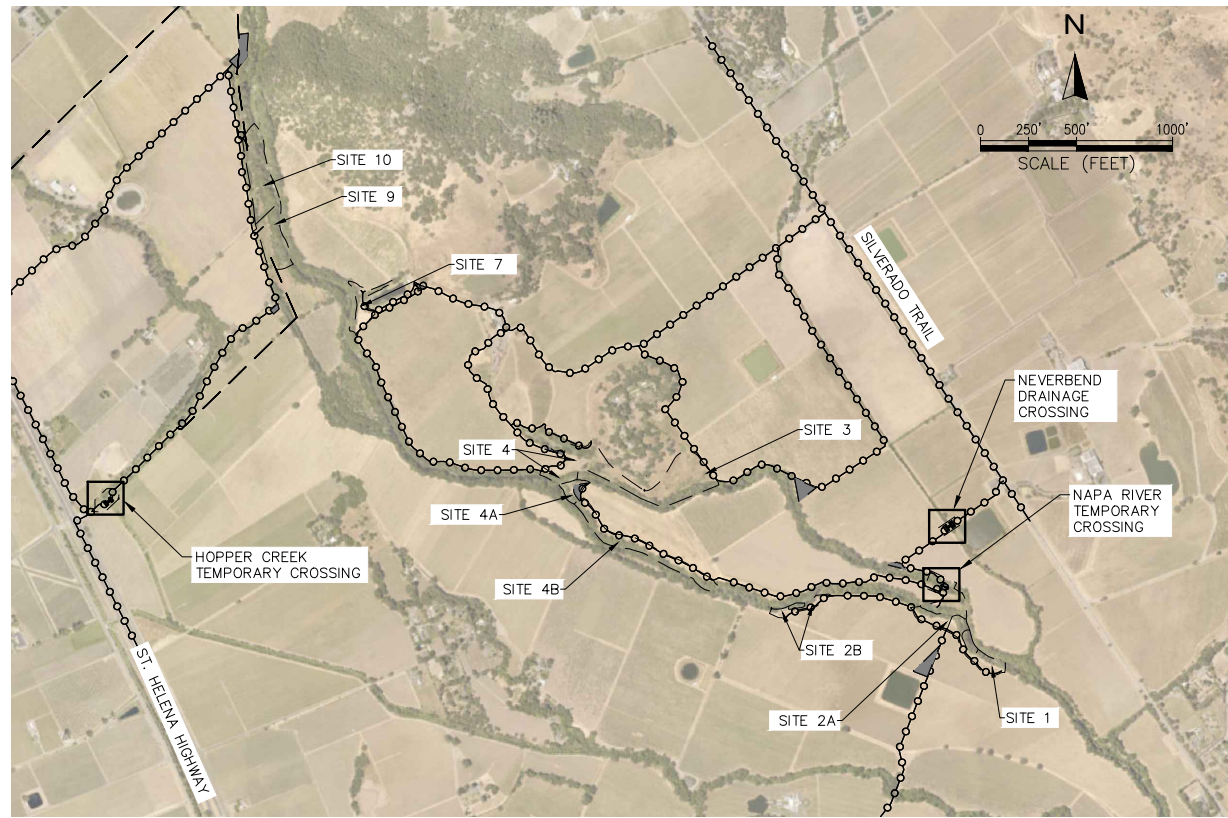
1A BOULDER FIELD
 SECTION VIEW SCALE: 1" = 5'



- NOTES:
- BRANCHES SHALL BE A MINIMUM OF 50% LIVE WILLOWS. REMAINING 50% MAY BE OTHER NATIVE SPECIES AND NON-LIVING.
 - NATIVE WOOD PIECES SHALL BE HARVESTED DURING CLEAR AND GRUBBING AND STOCKPILED FOR PLACEMENT AFTER EROSION CONTROL MEASURES HAVE BEEN IMPLEMENTED.
 - WOOD PIECES LARGER THAN 2 INCHES IN DIAMETER WILL NOT EXCEED 15 FEET IN LENGTH.
 - ROCK-SOIL MIX TO CONSIST OF 50% 75 LB ROCK, 25% BEDDING, AND 25% NATIVE MATERIAL.

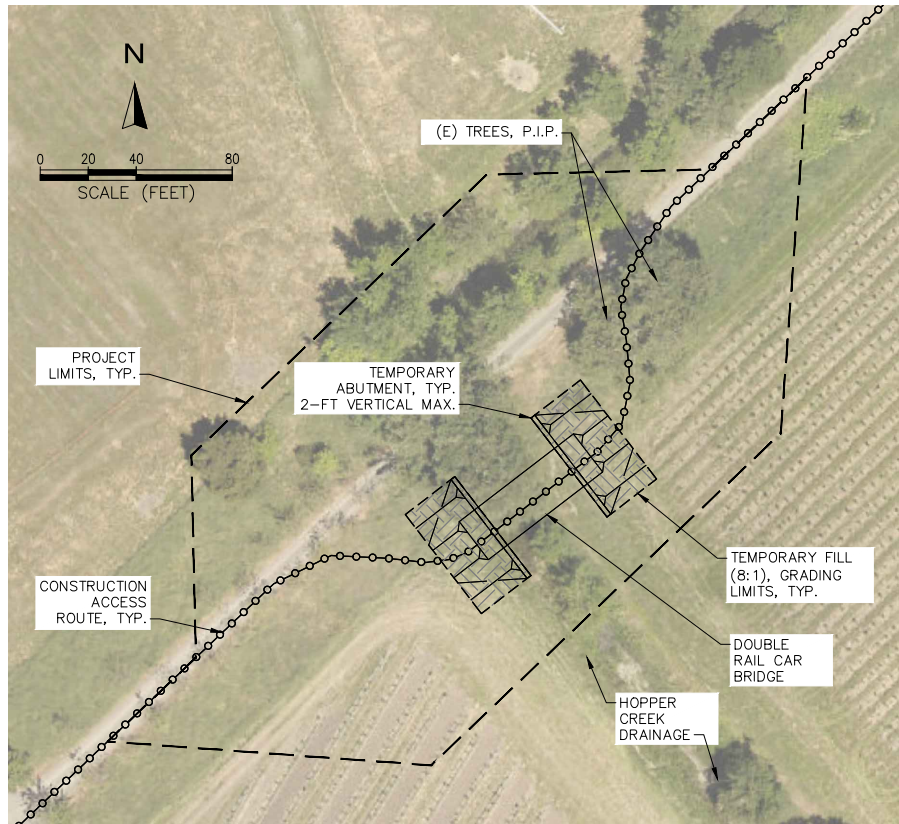
		PROJECT: NAPA RIVER RESTORATION PROJECT OAKVILLE TO OAK KNOLL REACH - GROUP D (PHASE 1 AND PHASE 2)	
COUNTY OF NAPA - PUBLIC WORKS NAPA COUNTY DEPARTMENT OF PUBLIC WORKS 1195 THIRD ST, SUITE 101 NAPA, CA 94549		SHEET TITLE: BOULDER FIELD	
DATE: 10/2019 COUNTY PROJECT NO.: PW XX-XX SPECIFICATION NO.: PW XX-XX	SCALE: AS SHOWN SHEET NO.: 65 OF 67	REVIEWER: XXX XXX, PE APPROVAL RECOMMENDED: XXX XXX, PE APPROVED: XXX XXX, PE DATE:	DRAWN: GREG WESSMANN, LANE WARE DESIGNED: JORGEN BLOMBERG, SCOTT SMITH CHECKED: JORGEN BLOMBERG, ANN BERGONDOVO IN CHARGE: ANN BERGONDOVO CO3102
DWG NO.: D-07			

**DRAFT 65%
NOT FOR CONSTRUCTION**

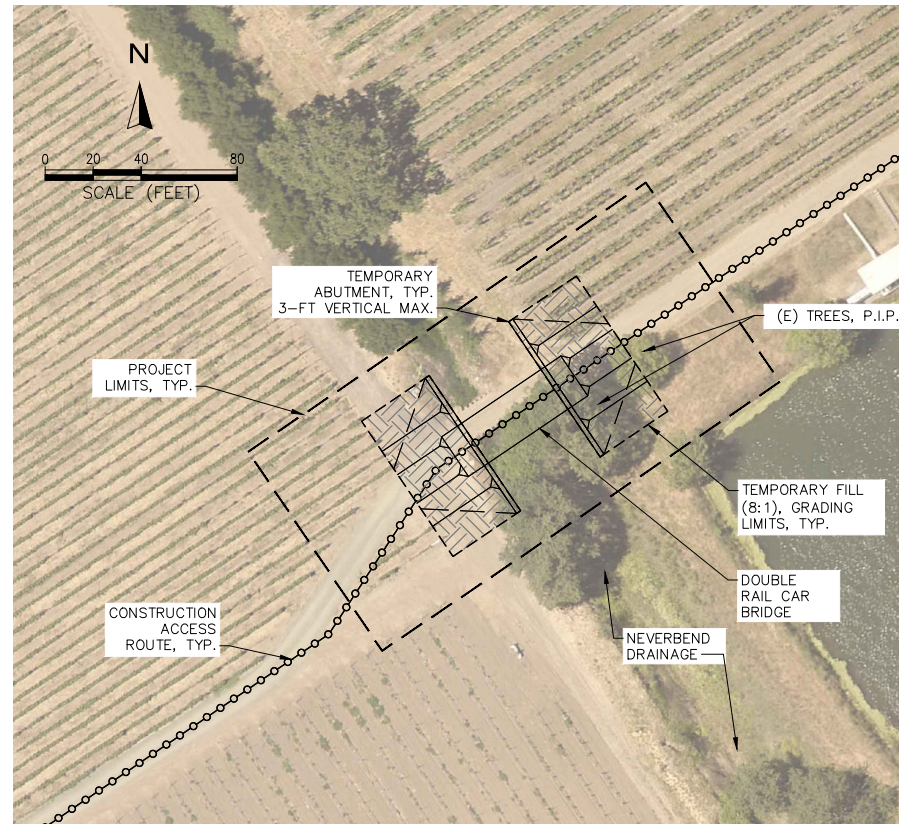


TEMPORARY CROSSING VICINITY MAP
PLAN VIEW SCALE: 1" = 1000'

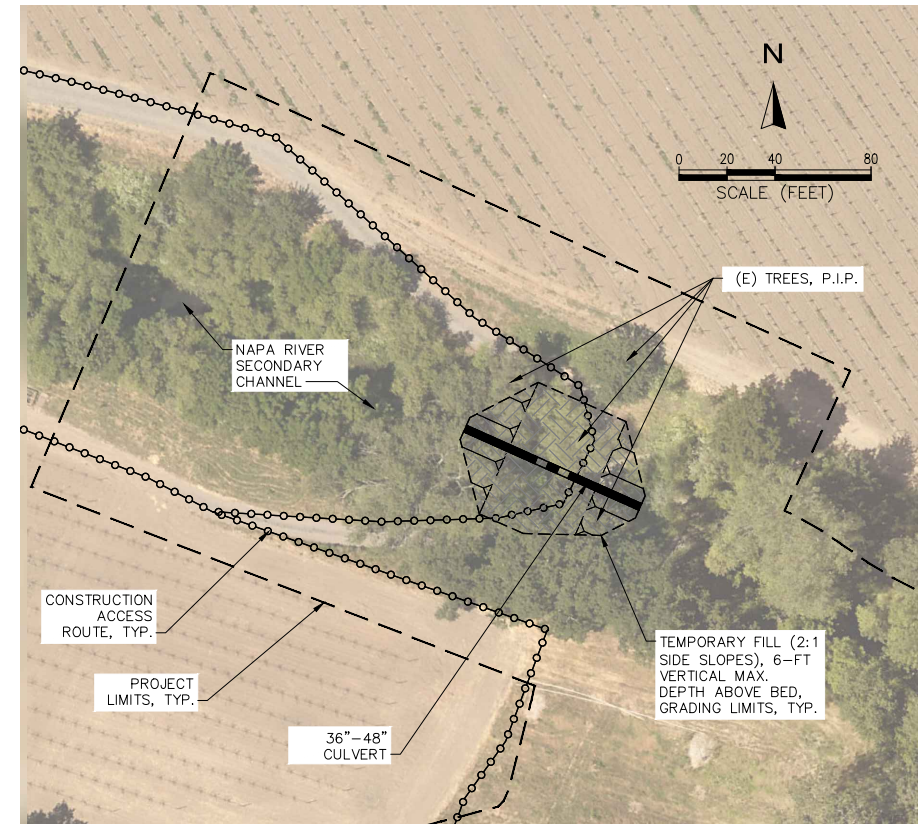
TEMPORARY CROSSING SCHEDULE			
SITE	NAME	DESCRIPTION	ELEMENTS
9, 10	HOPPER CREEK TEMPORARY CROSSING	DOUBLE RAIL CAR BRIDGE; 20' WIDE BY 60' LONG.	NO FILL IN OR DISTURBANCE TO CHANNEL AND BANKS. PLACEMENT OF TEMPORARY ABUTMENTS (SUPERSAC OR SIMILAR) OUTSIDE OF TOP OF BANK. MINOR GRADING TO PREPARE SURFACE/SUBGRADE FOR ABUTMENTS AND BRIDGE LANDINGS.
NVB	NEVERBEND DRAINAGE CROSSING	DOUBLE RAIL CAR BRIDGE; 20' WIDE BY 60' LONG.	NO FILL IN OR DISTURBANCE TO CHANNEL AND BANKS. PLACEMENT OF TEMPORARY ABUTMENTS (SUPERSAC OR SIMILAR) OUTSIDE OF TOP OF BANK. MINOR GRADING TO PREPARE EXISTING ROAD SURFACE FOR ABUTMENTS AND PLACEMENT OF TEMPORARY FILL FOR RAMPS TO BRIDGE.
NVB	NAPA RIVER TEMPORARY CROSSING	EARTH AND ROCK CROSSING WITH LOW FLOW CULVERT; 6' VERTICAL BY 40' WIDE BY 60' LONG.	TEMPORARY PLACEMENT OF 36" - 48" CULVERT (60' LONG) IN NAPA RIVER SECONDARY CHANNEL WITH SOIL AND ROCK FILL TO ESTABLISH STABLE CONTROLLED CROSSING.



HOPPER CREEK TEMPORARY CROSSING
PLAN VIEW SCALE: 1" = 40'



NEVERBEND DRAINAGE CROSSING
PLAN VIEW SCALE: 1" = 40'



NAPA RIVER TEMPORARY CROSSING
PLAN VIEW SCALE: 1" = 40'

PLOT DATE: 11/7/2019 7:15 PM
LAST SAVE DATE: 11/4/2019 5:22 PM
FILE K:\PROJECTS\2012\120076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\62 TEMPORARY CREEK CROSSING.DWG

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916.932.2300
FAX: 916.932.2300

DESIGNED BY: JORGEN BLOMBERG, ANNE BERGONDOVO
IN CHARGE: ANNE BERGONDOVO, COB3102

PROJECT: NAPA RIVER RESTORATION PROJECT
OAKVILLE TO OAK KNOLL
REACH - GROUP D (PHASE 1 AND PHASE 2)

SHEET TITLE: TEMPORARY CREEK CROSSING DETAIL PLANS

COUNTY OF NAPA - PUBLIC WORKS

REVIEWER: XXX XXX, PE
APPROVAL RECOMMENDED: XXX XXX, PE
APPROVED: XXX XXX, PE
DATE:



NAPA COUNTY DEPARTMENT OF PUBLIC WORKS
1195 THIRD ST, SUITE 101
NAPA, CA 94549

DATE: 10/2019 SCALE: AS SHOWN
COUNTY PROJECT NO.: PW XX-XX
SPECIFICATION NO.: PW XX-XX
SHEET NO.: 66 OF 67
DWG NO.: D-08

DRAFT 65%
NOT FOR CONSTRUCTION

PLOT DATE: 11/7/2019 7:15 PM
LAST SAVE DATE: 10/3/2019 3:35 PM
FILE K:\PROJECTS\2012\DI20076.00 - NAPA RIVER - OAKVILLE TO OAK KNOLL\09 CAD\DWGS\FINAL_DESIGN\GROUP D\43 ENHANCEMENTS AND BERM SCHEDULE.DWG

TO BE COMPLETED IN 90% DESIGN

 <p>A Tradition of Stewardship A Commitment to Service</p>		<p>COUNTY OF NAPA - PUBLIC WORKS</p> <p>NAPA COUNTY DEPARTMENT OF PUBLIC WORKS 1195 THIRD ST, SUITE 101 NAPA, CA 94549</p>		<p>REVIEWED: XXX XXX, PE APPROVAL RECOMMENDED: XXX XXX, PE APPROVED: XXX XXX, PE DATE:</p>		<p>PROJECT: NAPA RIVER RESTORATION PROJECT OAKVILLE TO OAK KNOLL REACH - GROUP D (PHASE 1 AND PHASE 2)</p>		 <p>5105 McKinley Street Suite 800 Oakland, CA 94612 415.832.2300</p>	
<p>DATE: 10/2019</p>		<p>SCALE: AS SHOWN</p>		<p>COUNTY PROJECT NO. PW XX-XX</p>		<p>DESIGNED: JORGEN BLOMBERG, LANE WADE IN CHARGE: ANN BORGONOVO</p>		<p>ORDERED: JORGEN BLOMBERG, ANN BORGONOVO</p>	
<p>SPECIFICATION NO. PW XX-XX</p>		<p>SHEET NO. 67 OF 67</p>		<p>SHEET TITLE: ENHANCEMENTS AND BERM SCHEDULE</p>		<p>DRAWN: GREG WESSMANN, LANE WADE</p>		<p>ANN BORGONOVO 003102</p>	
<p>DWG NO. D-09</p>									

