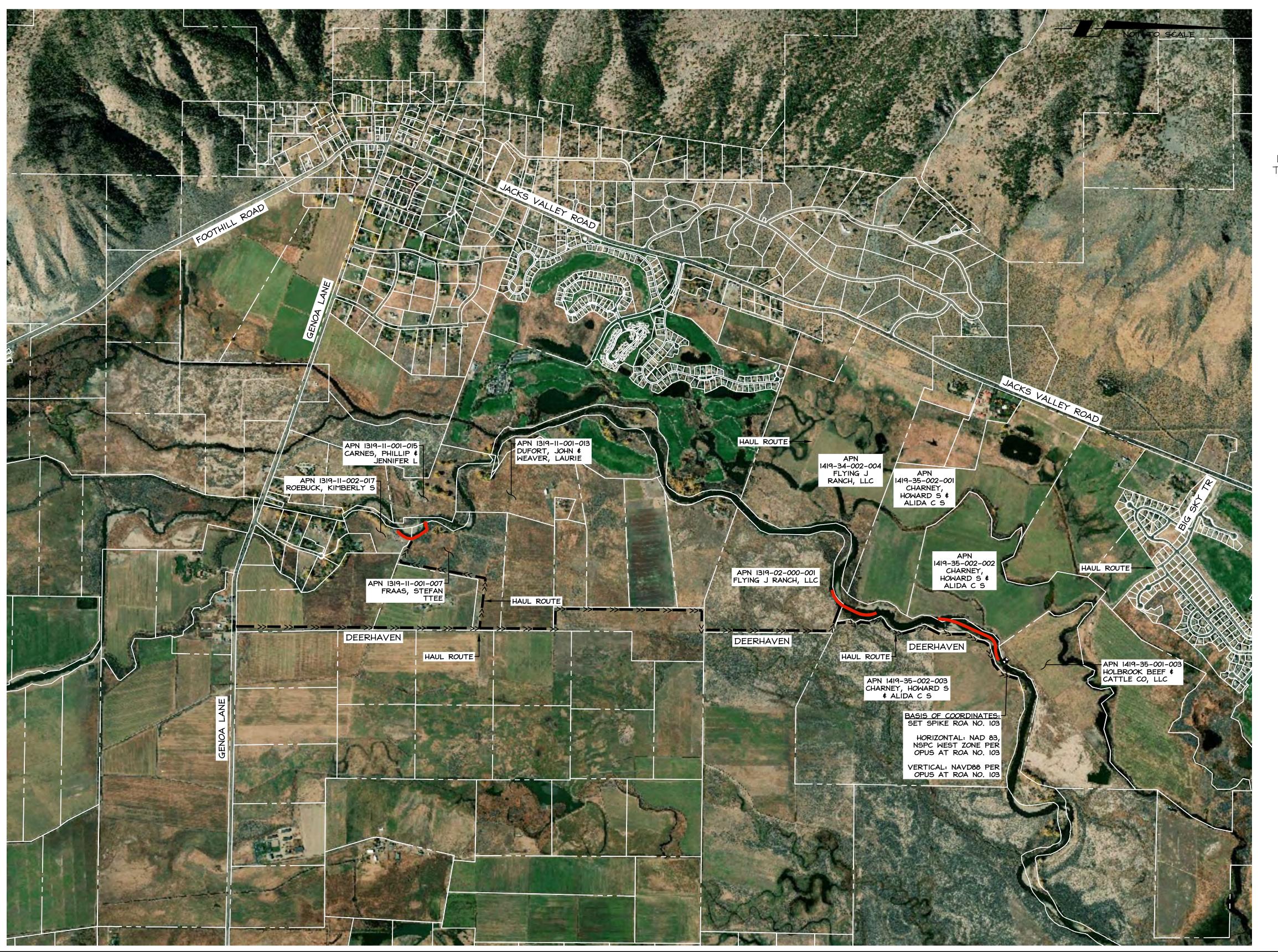
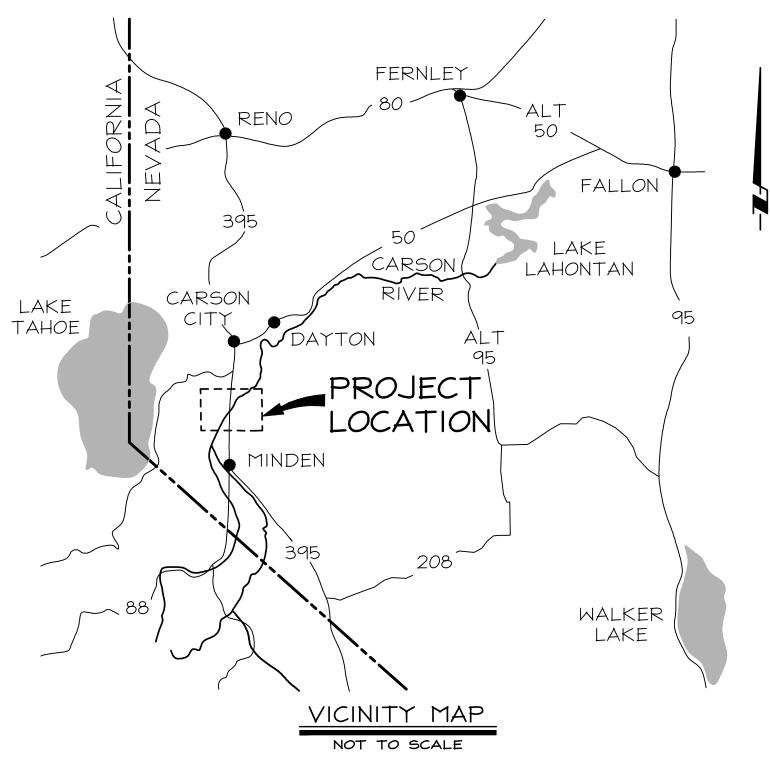
IMPROVEMENT PLANS FOR

2022 CARSON RIVER BANK STABILIZATION PROJECTS

CARSON VALLEY CONSERVATION DISTRICT





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C2 NOTES, LEGEND & ABBREVIATIONS

C3 FLYING J RANCH SITE PLAN - LOCATION 3 C4 CHARNEY RANCH SITE PLAN - LOCATION 3

C5 500 TWO RANCH SITE PLAN - LOCATION I

C6 DETAILS

C7 DE-WATERING & TEMPORARY EROSION CONTROL PLAN

AFFECTED PROPERTIES

APN: 1319-11-001-007 FRAAS, STEFAN TTEE

APN: 1319-11-002-017 ROWBUCK, KIMBERLY S

APN: 1319-02-000-001 FLYING J RANCH, LLC

APN: 1419-35-002-001 CHARNEY, HOWARD S & ALDIA C S APN: 1419-35-002-003 CHARNEY, HOWARD S & ALDIA C S

PROPERTY LINES SHOWN ARE APPROXIMATE ONLY AND DO NOT REPRESENT A BOUNDARY SURVEY.



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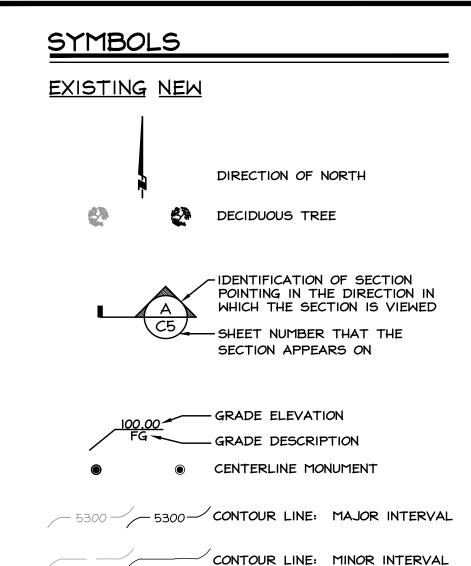


ROAnderson 2022 CARSON RIVER BANK STABILIZATION PROJECTS CARSON VALLEY CONSERVATION DISTRICT



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..MANHOLE

	EVIATIONS AMERICAN ASSOCIATION OF STATE	M	METER
	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	MAX MGD	. MAXIMUM MILLION GALLONS PER DAY
AB	AGGREGATE BASE ASPHALT CONCRETE	MH MI	MANHOLE
	AMERICANS WITH DISABILITIES ACT OF	MIN	. MINIMUM MISCELLANEOUS
	AVERAGE DAILY TRAFFIC ALTITUDE	MIX	
ANSI	AMERICAN NATIONAL STANDARDS		MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
APN	INSTITUTE ASSESSOR'S PARCEL NUMBER		DEVICES
APWA	APPROXIMATELY AMERICAN PUBLIC WORKS ASSOCIATION	N	NORTH
ASCE	AIR RELEASE VALVE AMERICAN SOCIETY OF CIVIL ENGINEERS	NAC	. NEVADA ADMINISTRATIVE CODE
	. AMERICAN SOCIETY OF TESTING AND MATERIALS		NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
@	. AT		NEVADA DEPARTMENT OF TRANSPORTATION NORTHEAST
BC.	BEGIN CURVE	NEC	NATIONAL ELECTRIC CODE NATIONAL FLOOD INSURANCE PROGRAM
BCR	BEGINNING OF CURB RETURN		NATIONAL SANITATION FOUNDATION
BLD	. BASE FLOOD ELEVATION BUILDING	NOAA	NATIONAL OCEANIC AND ATMOSPHERIC
BS	. BOTTOM OF WALL BOTH SIDES		ADMINISTRATION NOTICE OF INTENT
	BACK <i>O</i> F WALK BARBED WIRE		NATIONAL RESOURCE CONSERVATION SERVICE
	CORRUGATED ALUMINUM PIPE	NTS	.NEVADA REVISED STATUTES .NOT TO SCALE
C\$G	. CORRUGATED ALUMINUM PIPE ARCH . CURB AND GUTTER		NORTHWEST NATIONAL WEATHER SERVICE
CC	CATCH BASIN CARSON CITY	oc	ON CENTER OUTER DIAMETER
CF	CUBIC FOOT . CHAIN LINK	OSHA	OCCUPATIONAL SAFETY AND HEALTH ACT
CI	CURB INLET(THROUGH) CENTER LINE	O/H	OF 1970 OVERHEAD
CMP	CENTER LINE CORRUGATED METAL PIPE CLEAN OUT	±	. PLUS OR MINUS
COMP	. COMPACTION		. POINT OF CURVATURE
CRN	CONIFEROUS CROWN OF ROAD	PDL PE	. PROFESSIONAL ENGINEER LICENSED BY
CSPA	. CORRUGATED STEEL PIPE . CORRUGATED STEEL PIPE ARCH	PE	THE STATE OF NEVADA . POLY ETHYLENE
CUL	. CULVERT INVERT CUBIC YARD	PED	. PEDESTAL PEDESTRIAN CROSSING
•	. DEGREES	PK	. PARKING
D DEC	DECIDUOUS	P/L	PROPERTY LINE
DF	DEEPEND FOOTING DECOMPOSED GRANITE	PNT	. PROBABLE MAXIMUM FLOOD . POINT
DI	DROP INLET DIAMETER	PO	
		PT	POUNDS PER SQUARE INCH POINT OF TANGENCY
E EA	EACH	PUE PVC	. PUBLIC UTILITY EASEMENT POLYVINYL CHLORIDE
EC	END CURVE END OF CURB RETURN	R	
ED	EDGE . ENERGY GRADE LINE	R R	. ROCK
ELEC	ELECTRICAL ELEVATION	RB	RIVER BED REINFORCED CONCRETE BOXED CULVERT
EP	EDGE OF PAVEMENT ENVIRONMENTAL PROTECTION AGENCY	RCP	REINFORCED CONCRETE PIPE RIGHT OF WAY
EVC	END VERTICAL CURVE		REGIONAL TRANSPORTATION COMMISSION OF DOUGLAS COUNTY
EX	EDGE <i>O</i> F WATER EXISTING	s	
	FAHRENHEIT	5 5	SLOPE
FC	FACE OF CURB FIRE CONNECTION	SAD	SURFACE AREA DISTURBANCE
FEMA	FEDERAL EMERGENCY MANAGEMENT	SDMH	STORM DRAIN STORM DRAIN MANHOLE
FF	AGENCY FINISHED FLOOR FINISHED GRADE	SE	STANDARD DIMENSION RATIO
FH	FIRE HYDRANT FLOWLINE		SET MONUMENT, CORNER OR CONTROL POINT
FNC	. FENCE	SPP	SQUARE FOOT(FEET) .STRUCTURAL PLATE PIPE
FND	. FOUND MONUMENT, CORNER OR CONTROL POINT FIRE STUB		STRUCTURAL PLATE PIPE ARCH
FT(')	FIRE STUB . FOOT(FEET)	SS	SANITARY SEWER SANITARY SEWER MANHOLE
G	GAS	ST STA	STREET
G		STB	.STUB
GB	GRADE BREAK	SW	SOUTHWEST
GP	GENERAL IMPROVEMENT DISTRICTGUY POLE		SIDEWALK STORMWATER POLLUTION PREVENTION
GR	GALLONS PER MINUTEGRAVEL		PLAN
GS	GROUND SHOT	TBC	.TELEPHONE .TOP BACK OF CURB
HDPE	. HANDICAP . HIGH DENSITY POLYETHYLENE	TC	TOP OF CURB TRANSPORTATION RESEARCH BOARD
HDS	HYDRAULIC DESIGN SERIES HYDRAULIC ENGINEERING CIRCULAR	TOE	. TOE OF SLOPE
HERCP	HORIZONTAL ELLIPTICAL REINFORCED	TOW	.TOP OF SLOPE .TOP OF WALL
HGL	CONCRETE PIPE . HYDRAULIC GRADE LINE		.TRAFFIC CONTROL
HORIZ	HAND HOLE HORIZONTAL	TV TYP	TELEVISION TYPICAL
HM	HOG WIRE		
	INNER DIAMETER INVERT ELEVATION		. UNIFORM BUILDING CODE
IN(")		UMC	UNDERGROUND .UNIFORM MECHANICAL CODE
INTX	INTERSECTION	UPC	. UNLESS NOTED OTHERWISE . UNIFORM PLUMBING CODE
	IRRIGATION . INSTITUTE OF TRANSPORTATION		UNITED STATES ARMY CORPS OF ENGINEERS
	ENGINEERS		UNITED STATES BUREAU OF RECLAMATIC UNITED STATES GEOLOGICAL SURVEY
LAT	. LATERAL . LEVEL OF SERVICE		
LS	LUMP SUM	V VA	VAULT
LT		VG	VERTICAL CURVE VALLEY GUTTER
M MAX	METER MAXIMUM	VERT	
MGD	MILLION GALLONS PER DAYMINDEN GARDNERVILLE SANITATION		VERTICAL POINT OF TANGENCY
1 140V	DISTRICT	W	. WEST

GENERAL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE GENERAL SAFETY DURING CONSTRUCTION AND ALL WORK SHALL CONFORM TO PERTINENT SAFETY REGULATIONS AND CODES.

- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND/OR PROTECTION OF ALL EXISTING UTILITIES AND/OR STRUCTURES ADJACENT TO IMPROVEMENTS DURING CONSTRUCTION.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION AND SHORING PROCEDURES.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ENGINEER OF ANY DISCREPANCIES IN
- 5. CONTRACTOR SHALL OBTAIN A SWPPP AND NOI WITH THE STATE OF NEVADA, PRIOR TO CONSTRUCTION.
- 6. THE CONTRACTOR SHALL MAINTAIN A CLEAN PROJECT SITE, REMOVING CONSTRUCTION DEBRIS AT THE END OF EACH ACTIVITY. THE CONTRACTOR SHALL MAINTAIN DEBRIS FREE CONSTRUCTION

SITE & GRADING

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE OSHA REQUIREMENTS FOR EXCAVATION, THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" 2012 EDITION, DOUGLAS COUNTY STANDARDS, AND SPECIAL REQUIREMENTS OF THE PERMIT. VIOLATIONS WILL RESULT IN THE STOPPAGE OF ALL WORK UNTIL THE VIOLATION IS CORRECTED.
- 2. NO WORK SHALL BE STARTED WITHOUT FIRST NOTIFYING THE DISTRICT MANAGER, ENGINEER AND AFFECTED PROPERTY OWNER(S) AT LEAST 2 WORKING DAYS BEFORE WORK IS COMMENCED.
- 3. SLOPES SHALL BE NO STEEPER THAN 3 HORIZONTAL TO I VERTICAL.

ROUTES, ADJACENT STREETS AND STORM DRAIN SYSTEMS.

- 4. FILLS SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION".
- 5. FILL AREAS SHALL BE CLEARED OF VEGETATION AND DEBRIS, SCARIFIED, AND BE APPROVED BY THE ENGINEER OF RECORD PRIOR TO THE PLACING OF FILL.
- 6. PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS SHALL BE USED TO PREVENT EXCESSIVE PONDING AND PROTECT ADJOINING PROPERTIES DURING CONSTRUCTION OF IMPROVEMENTS.
- 7. DUST SHALL BE CONTROLLED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER, AND IN ACCORDANCE WITH THE AIR QUALITY PERMIT FROM THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION WHEN REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE PERMITS WHEN REQUIRED.
- 8. ALL STREETS SHALL BE MAINTAINED FREE OF DUST AND MUD CAUSED BY GRADING OPERATIONS. ALL OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE STORMWATER DISCHARGE PERMIT FROM THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION WHEN REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE PERMITS WHEN REQUIRED.
- 9. THE OWNER'S ENGINEER OR SURVEYOR SHALL SET GRADE STAKES FOR ALL GRADING.
- 10. THE ENGINEER SHALL APPROVE ALL GRADING INCLUDING COMPACTION REQUIREMENTS AND THE STABILITY OF SLOPES CREATED, OR REMAINING.
- II. IN THE EVENT OF CHANGES ARISING DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ENGINEER WHO WILL DETERMINE AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR REVIEW AND APPROVAL BY THE OWNER. NO CHANGES IN THE DESIGN WILL BE PERMITTED UNLESS WRITTEN APPROVAL IS GIVEN BY THE ENGINEER.
- 12. EXISTING BANKS SHALL BE RE-GRADED AT 3:1 UNLESS OTHERWISE NOTED.
- 13. ROCK TOE PROTECTION SHALL BE INSTALLED IN ACCORDANCE WITH APPROVED DETAIL IN AREAS AS SHOWN ON SITE SPECIFIC PLAN. ROCK TOE PROTECTION SHALL BE PLACED WITHIN 5 DAYS OF FINAL
- 14. ALL DISTURBED AREAS SHALL BE RE-SEEDED BY OWNER WITH NATIVE SEED MIX. RE-SEEDING SHALL BE FURNISHED AND INSTALLED BY OWNER.
- 15. OWNER SHALL FURNISH AND INSTALL BIO-ENGINEERING TREATMENTS. CONTRACTOR SHALL BE RESPONSIBLE WITH ASSISTING OWNER BY EXCAVATING TO ALLOW FOR INSTALLATION AND BACKFILLING ONCE TREATMENT IS INSTALLED.
- 16. PROTECT EXISTING TREES AND RIPARIAN VEGETATION TO EXTENT POSSIBLE THROUGHOUT CONSTRUCTION. REMOVAL OF 6" DIAMETER TREES OR LARGER PROHIBITED WITHOUT OWNER APPROVAL
- 17. NATIVE MATERIAL GENERATED FROM CHANNEL CLEARING OPERATIONS SHALL BE USED TO SHAPE FAILING BANKS TO CONTOURS AS SHOWN. EXCAVATE ONLY ENOUGH MATERIAL NECESSARY TO
- 18. WORK SHALL BE PERFORMED WITHIN THE MEAN-HIGH WATER LEVEL WHICH IS COMMONLY REFEREED TO AS THE "CHANNEL BED". THIS INCLUDES STOCKPILING OF MATERIAL. CONTRACTOR SHALL ENSURE DE-WATERING PLAN ALLOWS FOR PROPER PROTECTION OF STOCKPILES AND EQUIPMENT.
- 19. RIVERINE ENVIRONMENTS ARE DYNAMIC SYSTEMS & SUBJECT TO CHANGE. THESE PLANS ARE BASED UPON A TOPOGRAPHIC SURVEYED PERFORMED IN JUNE, 2018. PRIOR TO COMMENCING CONSTRUCTION THE CONTRACTOR SHALL INVESTIGATE THE SITE & SATISFY HIMSELF THAT CURRENT CONDITIONS GENERALLY MATCH THE PLANS, IF CURRENT SITE CONDITIONS ARE SIGNIFICANTLY DIFFERENT TO WARRANT A CHANGE IN CONTRACT PRICE OR SCHEDULE, THE CHANGE ORDER SHALL BE AGREED TO PRIOR TO COMMENCING CONSTRUCTION.
- 20. REMOVE \$ REPLACE EXISTING FENCES AS NECESSARY TO FACILITATE CONSTRUCTION. COORDINATE WITH OWNER PRIOR TO CONSTRUCTION. TEMPORARY FENCING MAY BE REQUIRED.

LINE TYPES

EXISTING	NEW	
		CONTOUR - FIVE FOOT INTERVAL
	99	CONTOUR - ONE FOOT INTERVAL
		FENCE
		PROPERTY LINE

BASIS OF COORDINATES

HORIZONTAL: NAD 83, NSPC WEST ZONE PER OPUS AT ROA NO. 103

DATUM

VERTICAL: NAVD88 PER OPUS AT ROA NO. 103 SITE BENCHMARK SHOWN ON SHEET CI.

ELEVATION: 4663.64

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. WATER ENVIRONMENT FEDERATION

WALKWAY

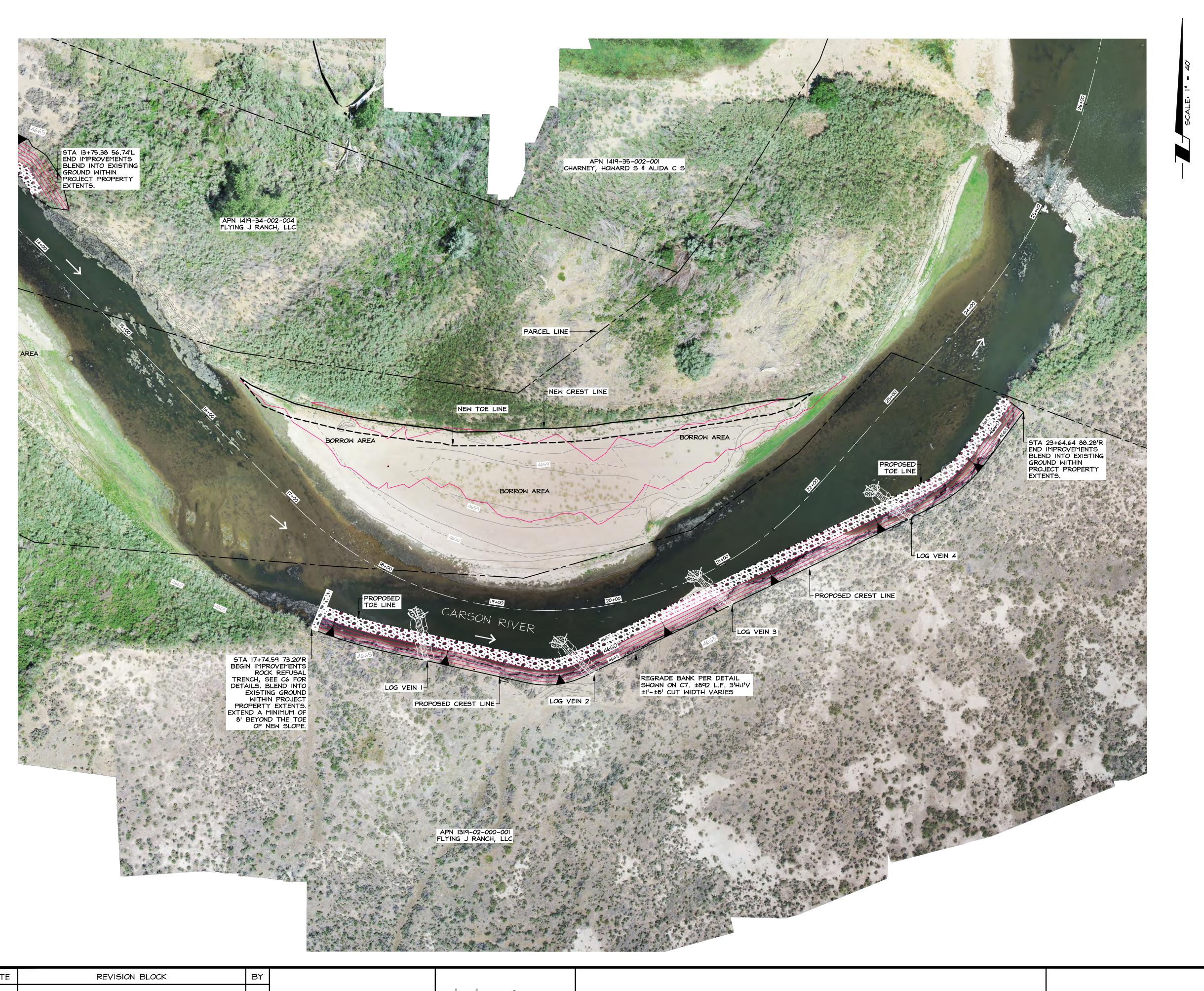
WATER GATE VALVE YEAR

ROAnderson 2022 CARSON RIVER BANK STABILIZATION PROJECTS CARSON VALLEY CONSERVATION DISTRICT

NOTES, LEGEND \$ **ABBREVIATIONS**

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CONSTRUCTION NOTE

- 1. REGRADE FAILED RIVER BANKS BY CUTTING FROM PROPOSED CREST LINE AT THE SLOPE NOTED ON PLANS. USE MATERIAL GENERATED FROM THE CUT AS FILL IN CONJUNCTION WITH ADDITIONAL FILL MATERIAL FROM THE BORROW AREAS AS NECESSARY. SEE RIVER BANK REGRADE DETAIL ON C6.
- 2. INSTALL 5,854 S.F. RIP-RAP TOE PROTECTION TO A HEIGHT OF 3' PER DETAIL ON SHEET C6.
- 3. INSTALL LOG VEIN (OR APPROVED ALTERNATE) ±5' FROM TOP OF NEW BANK AND ROTATE UPSTREAM ±30°. SPACE ±150' TO ±175'. EXTEND LOG VEIN A MINIMUM OF 10' BEYOND TOE OF NEW SLOPE. SEE SHEET C6 FOR DETAIL. FIELD ADJUSTMENT OF ANGLE AND LENGTH MAY BE NECESSARY DUE TO THE DYNAMIC NATURE OF
- 4. DEPTH OF EXCAVATION IN BORROW AREA SHALL NOT EXCEED ELEVATION OF ADJACENT PROPOSED TOE IN PROJECT AREA. TRANSITION FROM BORROW AREA TO EX. UNDISTURBED GROUND SHALLED MADE AT 5:1 (MAX.) IN A SMOOTH \$ WORKMAN-LIKE
- 5. PROTECT EXISTING TREES AND RIPARIAN VEGETATION TO THE EXTENT POSSIBLE THROUGHOUT CONSTRUCTION. REMOVAL OF TREES IN EXCESS OF 6" IN DIAMETER IS PROHIBITED WITHOUT OWNER APPROVAL UNLESS OTHERWISE NOTED.

LEGEND

ROCK TOE PROTECTION, ROCK REFUSAL TRENCH

LOG VEIN SEE DETAIL ON SHEET C6

ESTIMATED QUANTITIES

EARTH WORK: ±693 L.F. 14,391 S.F. CUT = 48 CYS FILL = 1,205 CYS NET FILL = 1,157 CYS

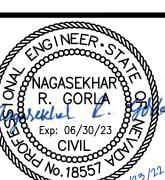
TOTAL OF 4 LOG VEINS THIS SHEET.

NOTE: NO GUARANTEE IS MADE CONCERNING THE ACCURACY OF THE ESTIMATED QUANTITIES. THE CONTRACTOR SHALL DETERMINE ACTUAL QUANTITIES OF WORK ASSOCIATED WITH THE PROJECT.

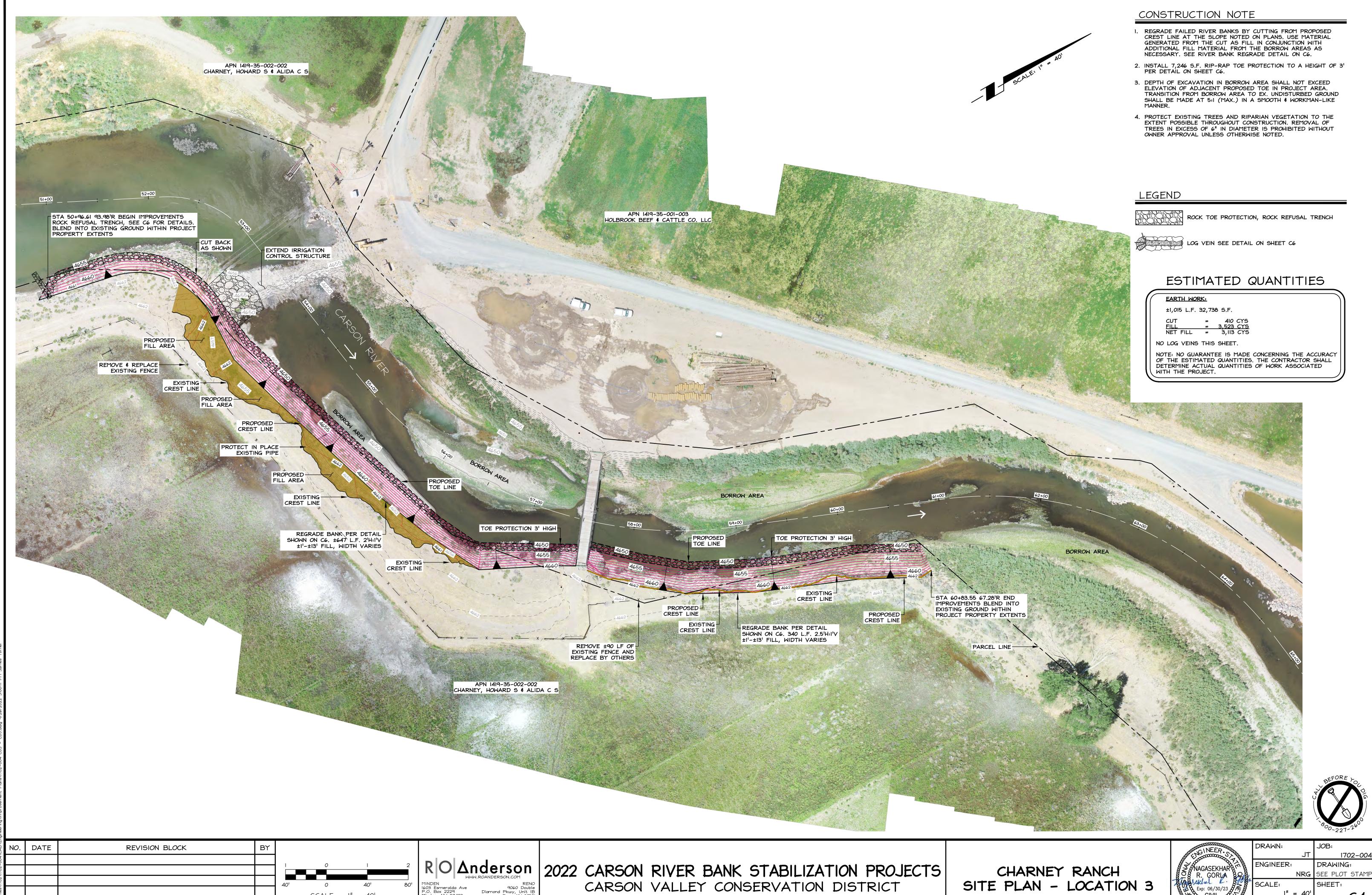
LOG	VEIN LOCA	TION
NAME	NORTHING	EASTING
LOG VEIN I	14,682,155.95	2,273,512.13
LOG VEIN 2	14,682,144.47	2,273,653.06
LOG VEIN 3	14,682,202.97	2,273,769.57
LOG VEIN 4	14,682,276.84	2,273,920.91



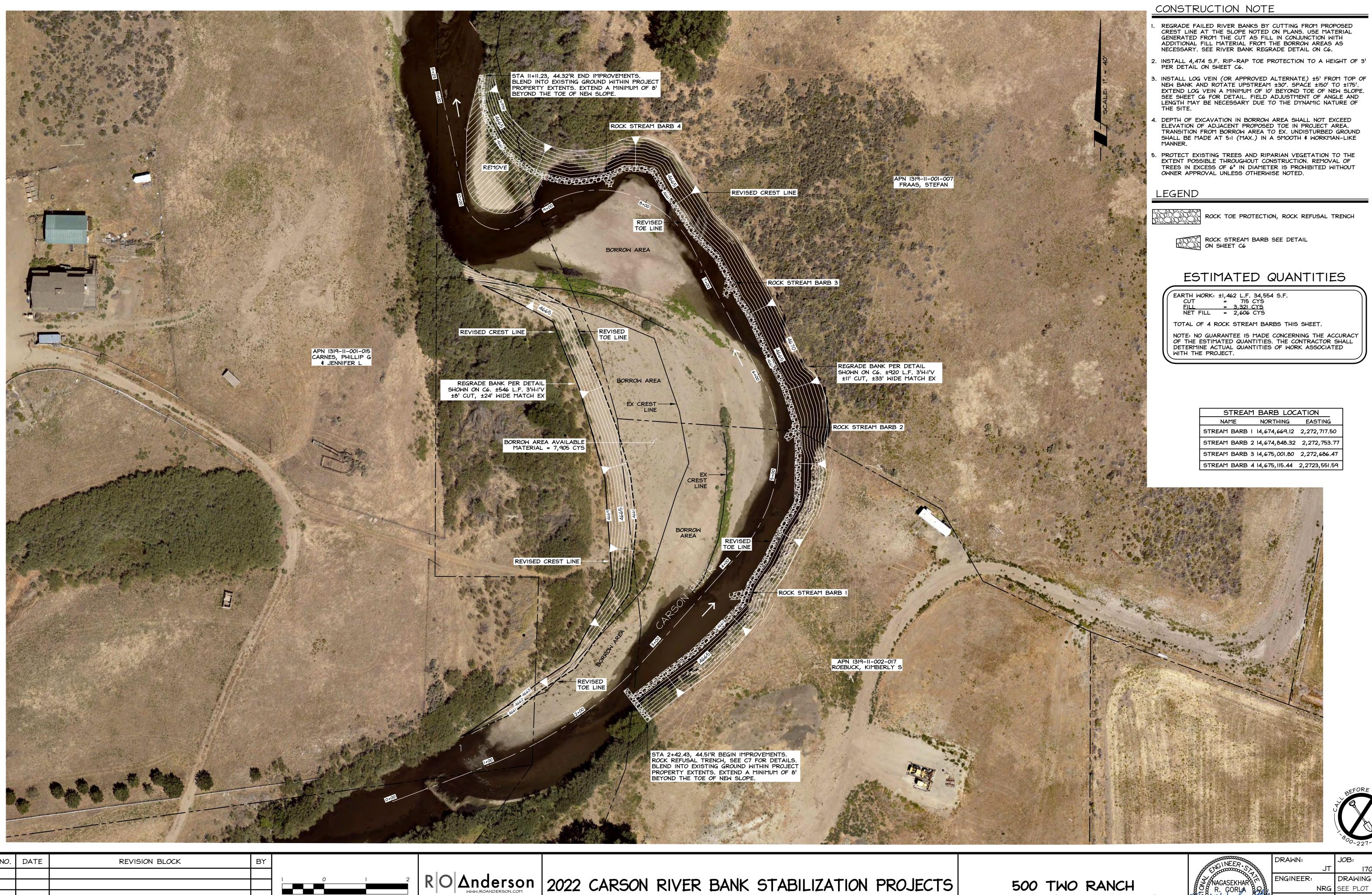
ROAnderson 2022 CARSON RIVER BANK STABILIZATION PROJECTS FLYING J RANCH SITE PLAN - LOCATION 3 CARSON VALLEY CONSERVATION DISTRICT



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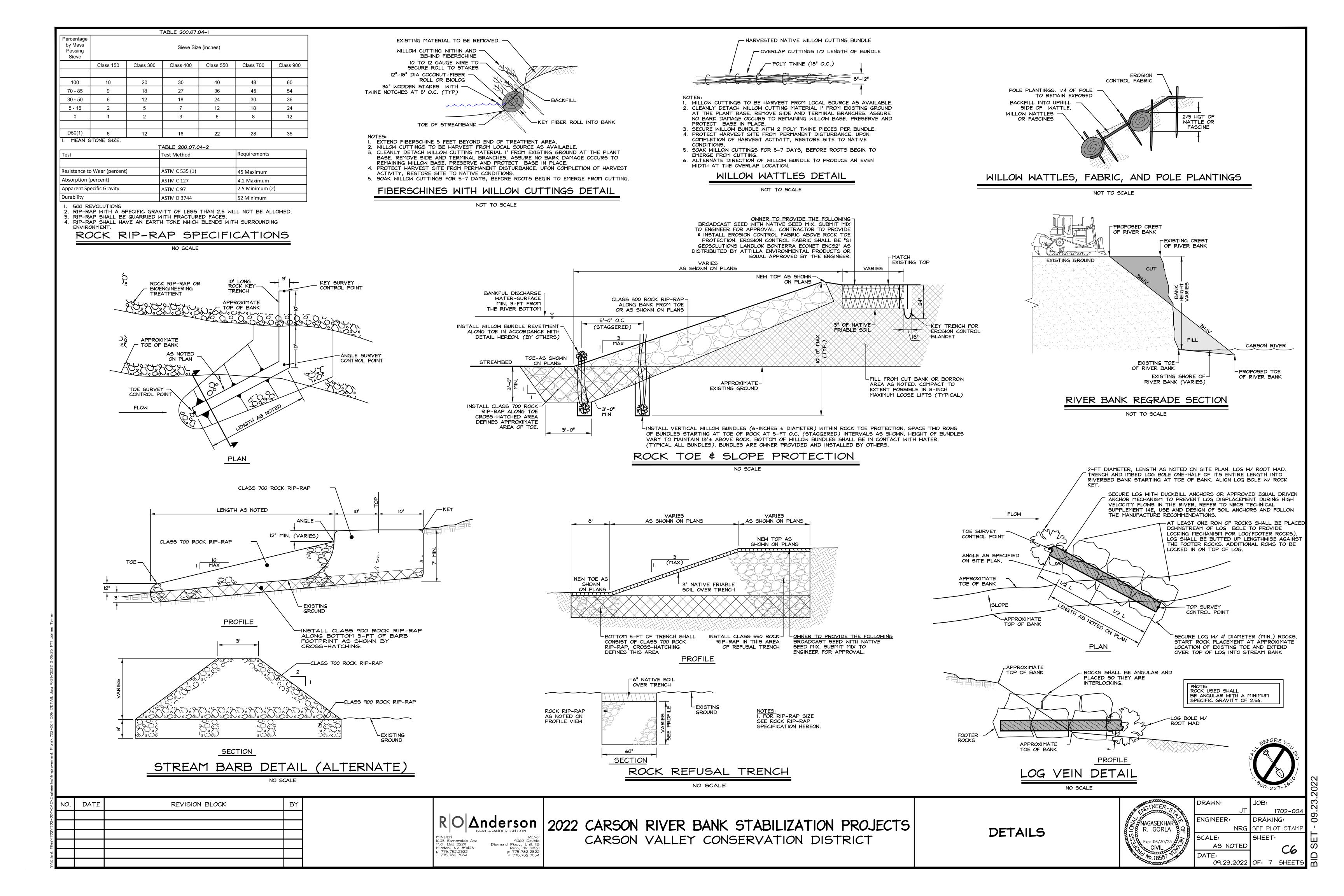
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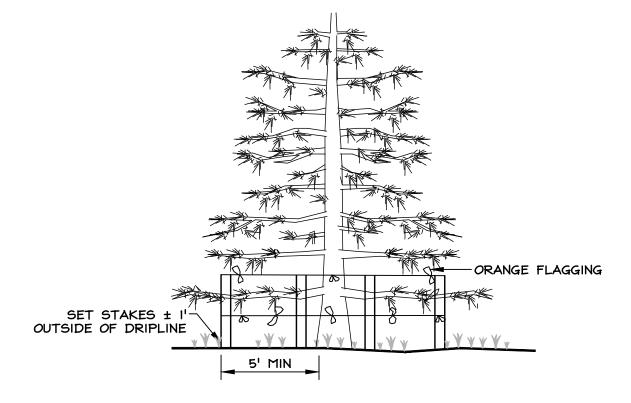
CARSON VALLEY CONSERVATION DISTRICT

500 TWO RANCH

SITE PLAN - LOCATION

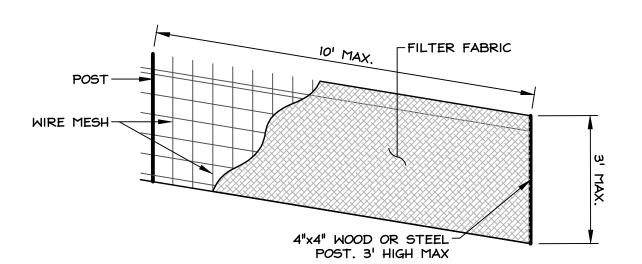


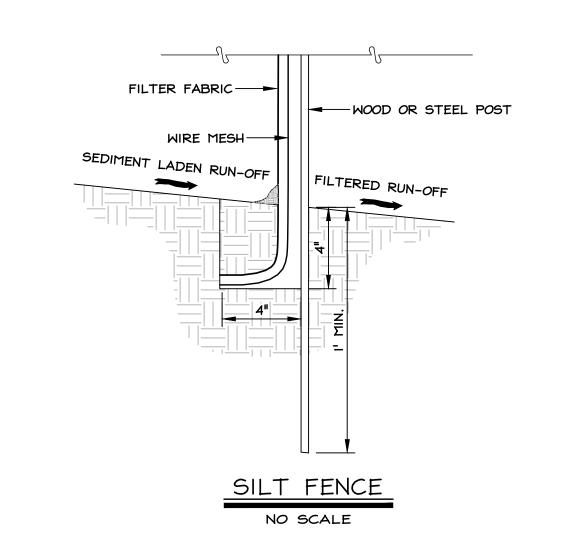
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TREE & VEGETATION PROTECTIVE FENCING

NO SCALE





GENERAL NOTES:

- SOME TYPES OF FILTER FABRIC FENCE HAVE STAKES INCLUDED AND DO NOT REQUIRE THE MATERIALS LISTED.
- 2. THE FABRIC SHOULD NOT EXCEED MORE THAN 3' ABOVE THE GROUND. CUT FILTER FABRIC FROM A CONTINUOUS ROLL TO AVOID HAVING JOINTS. WHERE JOINTS ARE NECESSARY, SPLICE THE FABRIC ONLY AT A POST, WITH AT LEAST 6" OF OVERLAP, AND FASTEN BOTH ENDS SECURELY TO THE
- 3. INSPECT PERIODICALLY AND AFTER EACH STORM. REPLACE DAMAGED FENCE.
- 4. CLEAN OUT THE SEDIMENT BEFORE IT REACHES 1/3 FENCE HEIGHT. DEPOSIT THE SEDIMENT WHERE IT WILL NOT ENTER A DRAINAGEWAY.

SILT FENCE INSTALLATION INSTRUCTIONS:

- 1. SPACE POSTS NO MORE THAN 10' APART AND DRIVE THEM AT LEAST 1' INTO THE GROUND. ALIGN THE FENCE ALONG THE SLOPE CONTOUR, CURVING IT SLIGHTLY UPHILL TO AVOID END RUNS.
- 2. DIG A 4"X4" TRENCH ALONG THE UPHILL SIDE OF THE POSTS.
- 3. FASTEN WIRE MESH TO UPHILL SIDE OF POST WITH STAPES (ON WOOD POSTS) OR WIRE (ON STEEL POSTS). EXTEND MESH TO BOTTOM OF TRENCH. (DO NOT ATTACH MESH OR FABRIC TO TREES).
- 4. FASTEN FILTER FABRIC TO UPHILL SIDE OF POSTS WITH STAPES OR WIRE. EXTEND FABRIC 8" INTO
- 5. BACKFILL TRENCH AND COMPACT THE SOIL.

MATERIALS:

- 1. SILT FENCE: a. FILTER FABRIC SHALL BE 42" WIDE, TENSILE STRENGTH 120 LBS., EQUIVALENT OPENING SIZE
- POSTS SHALL BE 5' LONG (MIN.), 4"X4" WOOD OR 1.3 LBS./FT STEEL.
- WIRE MESH SHALL BE 42" WIDE, 6" MESH, 16 GAUGE WIRE (MINIMUM). d. STAPLES (FOR WOOD POSTS) SHALL BE HEAVY DUTY I" LONG, 14 GAUGE (MINIMUM).
- e. WIRE (FOR STEEL POSTS).

GENERAL NOTES

- I. PLAN SHOWN IS GENERIC \$ WILL REQUIRE ADJUSTMENT IN FIELD BY CONTRACTOR.
- 2. PLAN ASSUMES WORK IS CONDUCTED AT EXTREMELY LOW FLOW CONDITIONS.
- 3. CONTRACTOR SHALL SATISFY HIMSELF THAT LOCATION WHERE TEMPORARY LOW-FLOW CHANNEL IS CUT WILL ALLOW ENOUGH BORROW AREA TO SATISFY FILL REQUIREMENTS OF PROJECT.
- 4. LOW-FLOW CHANNEL WILL BE FILLED & RESTORED TO EX. CONDITIONS.

SPILL PREVENTION AND RESPONSE

- I. CONTRACTOR SHALL STEAM CLEAN ALL EQUIPMENT THAT WILL BE WORKING IN RIVER BED AT SHOP PRIOR TO COMMENCING CONSTRUCTION.
- 2. ALL EQUIPMENT SHALL BE CHECKED FOR LEAKS AND REPAIRED PRIOR TO COMMENCING CONSTRUCTION.
- 3. CONTRACTOR SHALL INSURE INTEGRITY OF SILT FENCE AND STRAW BALE BARRIERS DURING THE COURSE OF CONSTRUCTION.
- 4. CONTRACTOR SHALL USE DRIP PANS OR ABSORBENT MATS DURING FUELING AND MAINTENANCE TO PROTECT AGAINST SPILLS.
- 5. SPILLED PETROLEUM PRODUCTS, CONTAMINATED SOILS OR WATER, AND ACCUMULATED SEDIMENTS SHALL BE CLEANED UP AND PROPERLY DISPOSED OF AT A LICENSED LANDFILL. DISCHARGE OF SUCH MATERIALS TO THE RIVER CHANNEL OR DITCHES IS

REVEGETATION

- ALL DISTURBED AREAS, CUT # FILL SLOPES SHALL BE RE-SEEDED. THE SEED MIX, APPLICATION RATE ETC. SHALL BE SPECIFIED BY THE CVCD.
- 2. REVEGETATED AREAS WILL BE INSPECTED AT COMPLETION OF INSTALLATION \$ ACCEPTANCE SUBJECT TO COMPLIANCE WITH SPECIFIED MATERIALS & INSTALLATION REQUIREMENTS. FOR ONE FULL GROWING SEASON AFTER PLANTING, CONTRACTOR SHALL GUARANTEE 30% COVERAGE BY SEEDED SPECIES & MULCH SUCH THAT THERE IS NO SIGNIFICANT EVIDENCE OF RILLS, GULLIES OR OTHER EVIDENCE OF EROSION. IF ADEQUATE COVERAGE IS NOT ACHIEVED, THE CONTRACTOR SHALL RE-SOIL AMEND, RE-SEED OR RE-MULCH. THE ENGINEER, UPON CONTRACTOR'S REQUEST, WILL MAKE FINAL INSPECTION & ACCEPTANCE ONE FULL YEAR FOLLOWING COMPLETION OF SEEDING(THE MAINTENANCE PERIOD). PROVIDE NOTIFICATION AT LEAST 10 WORKING DAYS BEFORE REQUESTED INSPECTION DATE.

GENERAL DE-WATERING & TEMPORARY EROSION CONTROL PLAN NOTES

- IN CASE OF EMERGENCY CALL CARSON VALLEY CONSERVATION DISTRICT (RICH WILKINSON, @ 775-782-3661 X 3830 OR ENGINEER @ 775-782-2322).
- 2. CONTRACTOR MAY SUBMIT ALTERNATE DE-WATERING \$ EROSION CONTROL PLAN TO ENGINEER. SUBMITTAL SHALL BE MADE IN ADVANCE OF CONSTRUCTION ACTIVITIES FOR
- 3. CONSTRUCTION SHALL BE SCHEDULED TO COINCIDE WITH PERIODS OF LOW FLOW IN THE
- 4. RESTORE AREAS DISTURBED BY DE-WATERING ACTIVITIES TO PRE-CONSTRUCTION
- 5. ANY PASTURE FENCES DAMAGED, FAILING OR RELOCATED FOR CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO EXISTING CONDITIONS AT TOP OF BANK.
- 6. DUST SHALL BE CONTROLLED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AND OWNER.
- 7. THE CONTRACTOR SHALL MAINTAIN A CLEAN PROJECT SITE, REMOVING CONSTRUCTION DEBRIS AT THE END OF EACH ACTIVITY DAY. TRASH WILL BE HAULED TO A LICENSED DISPOSAL FACILITY. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON SITE.
- 8. THE CONTRACTOR SHALL MAINTAIN DEBRIS FREE CONSTRUCTION ROUTES, ADJACENT STREETS AND STORM DRAIN SYSTEMS.
- 9. A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES. NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT APPROVED LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES OR TO REPAIR DAMAGED EROSION CONTROL MEASURES. CONTRACTOR SHALL PROVIDE OWNER WITH THE NAME & PHONE NUMBER OF EMERGENCY CONTACT AT THE PRE-CONSTRUCTION MEETING.
- 10. AFTER A RAINSTORM, ALL BMP'S AND GRADED SLOPE SURFACE PROTECTION MEASURES SHALL BE INSPECTED TO VERIFY CONTINUED SATISFACTORY OPERATION AND REPAIRED OR REPLACED IF NECESSARY.
- II. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY IT SHALL BE INITIATED WITHIN 24 HOURS OF REPORT.
- 12. FILL SLOPES AT THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE TOP OF THE
- SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
- 13. BUILT UP SEDIMENT SHALL BE REMOVED AS NECESSARY TO MAINTAIN PROPER FUNCTIONING OF THE BMP'S
- 14. ALL CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE PER WEEK AND FOLLOWING ANY STORM EVENT OF 0.5 INCHES OR GREATER.
- 15. A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. THE REPORT WILL CONTAIN THE NAME OF THE INSPECTOR, MEASURES, AREAS INSPECTED, OBSERVED CONDITIONS, AND NOTE CHANGES NECESSARY.
- 16. REPORT RELEASES OF REPORTABLE QUANTITIES OF OIL OR HAZARDOUS MATERIALS (IF THEY OCCUR) TO NDEP AND THE OWNER WITHIN 24 HOURS.
- 17. FILTER FABRIC FENCES. IF THE FABRIC BECOMES CLOGGED, TORN, OR DEGRADES, IT SHOULD BE REPLACED. MAKE SURE THE STAKES ARE SECURELY DRIVEN IN THE GROUND AND ARE IN GOOD SHAPE (IE., NOT BENT, CRACKED, OR SPLINTERED, AND ARE REASONABLY PERPENDICULAR TO THE GROUND.) REPLACE DAMAGED STAKES.
- 18. SEDIMENT THAT ACCUMULATES IN THE BMP MUST BE PERIODICALLY REMOVED IN ORDER TO MAINTAIN BMP EFFECTIVENESS. SEDIMENT SHOULD BE REMOVED WHEN THE SEDIMENT ACCUMULATION REACHES ONE-THIRD OF THE BARRIER HEIGHT. SEDIMENT REMOVED DURING MAINTENANCE MAY BE INCORPORATED INTO EARTHWORK ON THE SITE OR DISPOSED AT AN APPROPRIATE LOCATION.
- 19. NO DE-WATERING UNTIL FLOWS EXCEED 400 CFS AS READ AT THE CARSON CITY



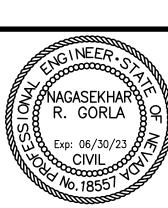
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Minden, NV 89423 5 775.782.2322 f 775.782.7084

9060 Double Diamond Pkwy, Unit IB Reno, NV 89521 p 775.782.2322 f 775.782.7084

ROAnderson 2022 CARSON RIVER BANK STABILIZATION PROJECTS CARSON VALLEY CONSERVATION DISTRICT

DEWATERING & TEMPORARY EROSION CONTROL PLAN



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