

P:\2024 Projects\24164 - ToT West River St Park Slope Stabilization\ACAD\SHEETS\24164 TITLE NLA.dwg 3/10/2025 2:19 PM

Attachment A

TOWN OF TRUCKEE

PLANS FOR CONSTRUCTION OF
RIVERSIDE PARK
NEVADA COUNTY, CALIFORNIA
TO BE SUPPLEMENTED BY: 2018 CALTRANS STANDARD
SPECIFICATIONS AND STANDARD PLANS

AGENCY:

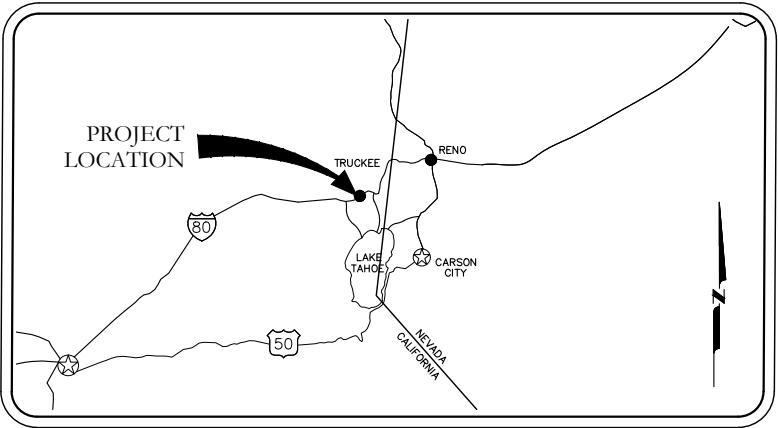


TOWN OF TRUCKEE
TOWN ADMINISTRATIVE CENTER
10183 TRUCKEE AIRPORT RD
TRUCKEE, CA 96161
PH: (530) 582-7700
FX: (530) 582-7710

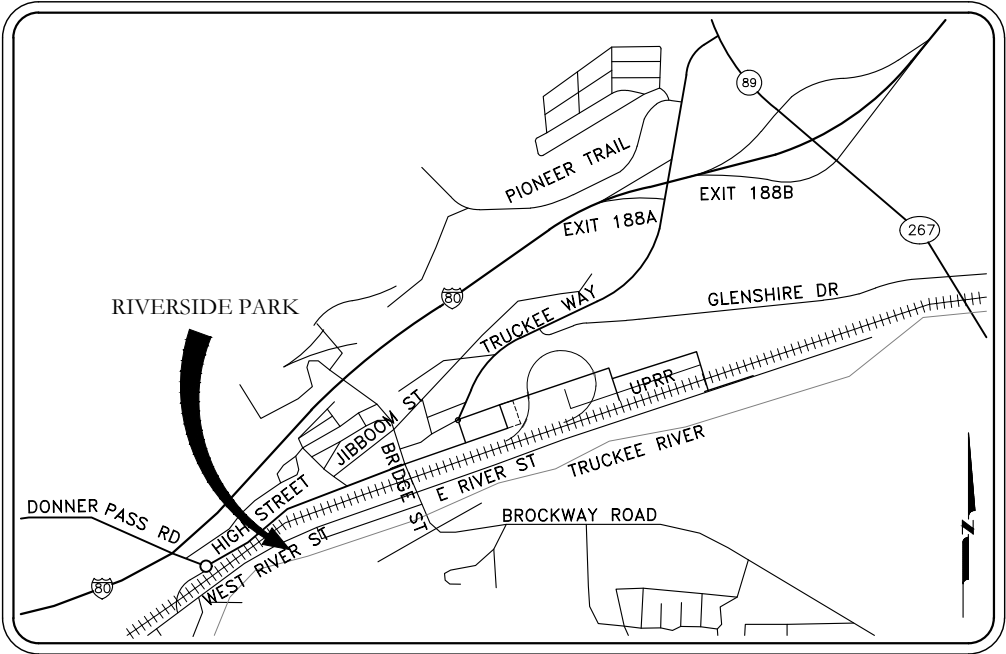
CIVIL ENGINEER:



4515 TOWNE DRIVE, SUITE A, RENO, NV 89521
TEL: (775) 828-7220, FAX: (775) 828-7221



LOCATION MAP
NOT TO SCALE



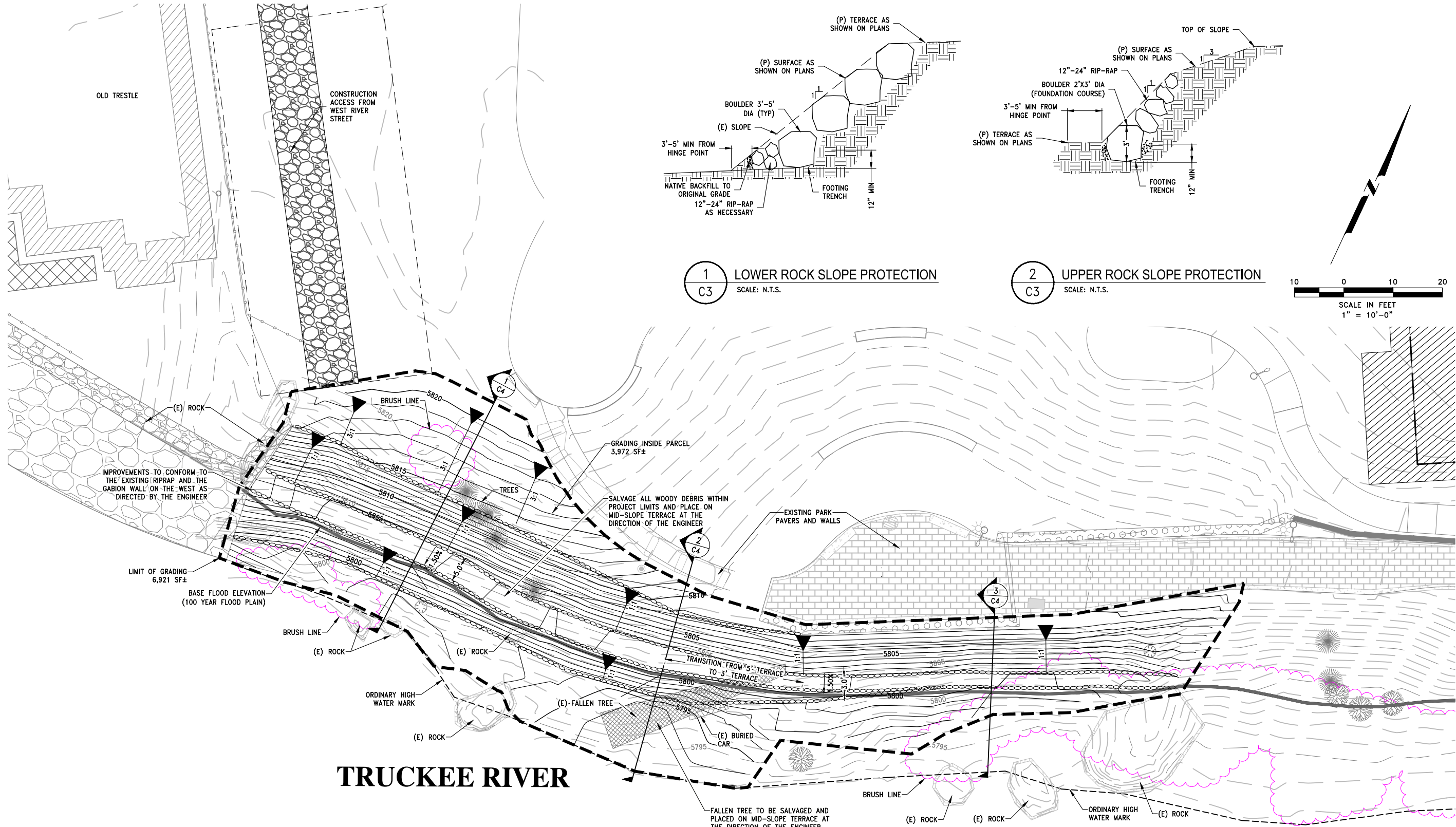
VICINITY MAP
NOT TO SCALE

Sheet Number	Sheet Title
C1	TITLE
C2	NOTES, LEGEND, ABBREVIATIONS
C3	GRADING PLAN
C4	GRADING PLAN
C5	SPECIFICATIONS



75 PERCENT
SUBMITTAL
DATE: 3-10-2025

REVISIONS		No.	Date
		1	
		2	
		3	
		4	
		5	
BY			APPD
TITLE		DEWBAYUMUWE? PARK - CIP# C1817	
PROJECT		10257 WEST RIVER STREET, 019-130-004	
TOWN OF TRUCKEE		TOWN OF TRUCKEE	
10183 TRUCKEE AIRPORT RD		10183 TRUCKEE AIRPORT RD	
TRUCKEE, CA 96161		TRUCKEE, CA 96161	
EASTERN SIERRA ENGINEERING		EASTERN SIERRA ENGINEERING	
CIVIL ENGINEERING & CONSTRUCTION SERVICES		CIVIL ENGINEERING & CONSTRUCTION SERVICES	
4515 TOWNE DRIVE		4515 TOWNE DRIVE	
RENO, NV 89521		RENO, NV 89521	
FAX: (775) 828-7221		FAX: (775) 828-7221	
REGISTERED PROFESSIONAL ENGINEER		REGISTERED PROFESSIONAL ENGINEER	
BRYAN D. FITZGERALD		BRYAN D. FITZGERALD	
No. C 76226		No. C 76226	
Exp. 6-30-2026		Exp. 6-30-2026	
CIVIL		CIVIL	
STATE OF CALIFORNIA		STATE OF CALIFORNIA	
3-10-2025		3-10-2025	
Designed: SL		Designed: SL	
Drawn By: SL		Drawn By: SL	
Approved By: BF		Approved By: BF	
Job No: 24164		Job No: 24164	
Scale: AS SHOWN		Scale: AS SHOWN	
Date: 3-10-2025		Date: 3-10-2025	
SHEET No.		SHEET No.	
C1		OF 5	



No.	Date	REVISIONS		BY	APPD
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2					
3					
4					
5					

TITLE		DEWBEYUMUWE? PARK - CIP# C1817	
PROJECT		GRADING PLAN	
		10257 WEST RIVER STREET, 019-130-004	
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		TRUCKEE, CA 96161	

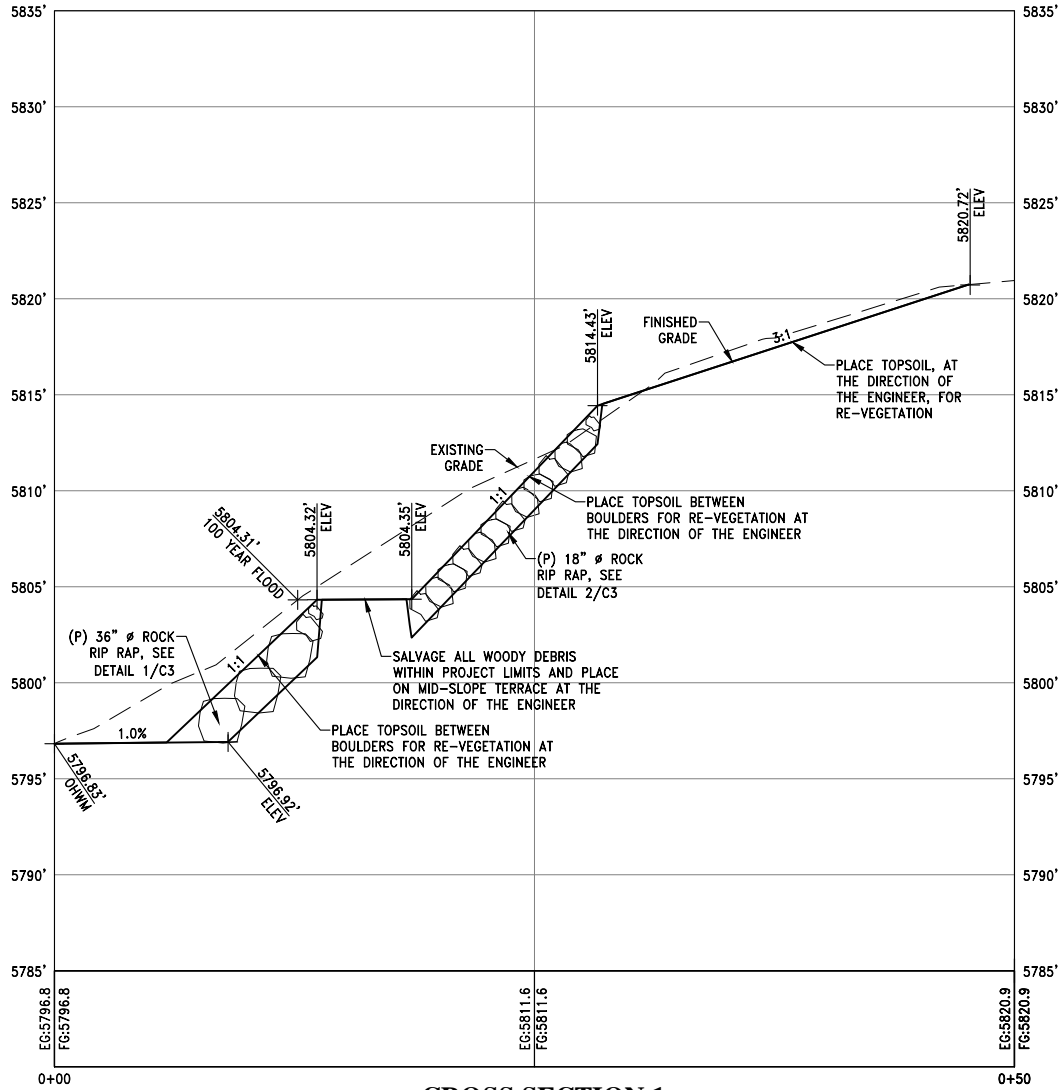
EASTERN SIERRA ENGINEERING		CIVIL ENGINEERING & CONSTRUCTION SERVICES	
4515 TOWNE DRIVE		RENO, NV 89521	
PHONE: (775) 828-7220		FAX: (775) 828-7221	

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No. C 76226		Exp. 6-30-2026	
CIVIL		STATE OF CALIFORNIA	

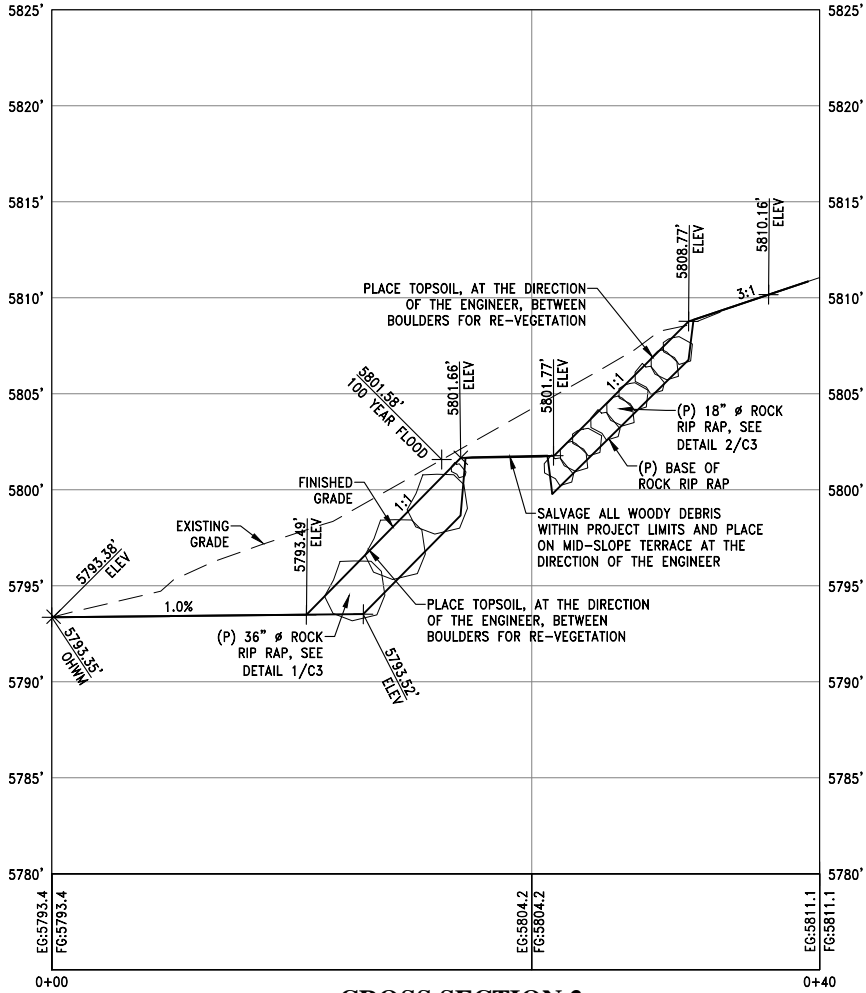
3-10-2025		Designed: SL	
Drawn By: SL		Approved By: BF	
Job No: 24164		Scale: AS SHOWN	
Date: 3-10-2025		SHEET No.	

75 PERCENT SUBMITTAL		DATE: 3-10-2025	
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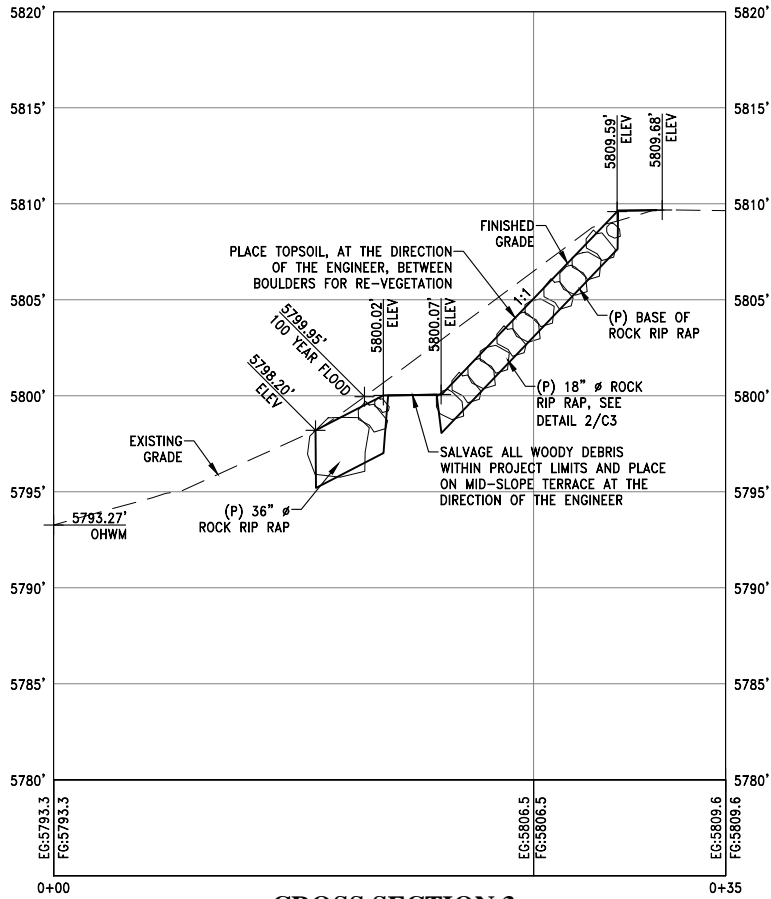
C3		OF 5	
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CROSS SECTION 1
STA "WEST" 0+00 - 0+50
SCALE HORIZ: 1"=5' VERT 1"=5'



CROSS SECTION 2
STA "MIDDLE" 0+00 - 0+40
SCALE HORIZ: 1"=5' VERT 1"=5'



CROSS SECTION 3
STA "EAST" 0+00 - 0+35
SCALE HORIZ: 1"=5' VERT 1"=5'

GRADING PROFILES

DSA



**75 PERCENT
SUBMITTAL**

DATE: 3-10-2025

**EASTERN
SIERRA
ENGINEERING**
CIVIL ENGINEERING & CONSTRUCTION SERVICES
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RENO, NV 89521
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3-10-2025
Designed: **SL**
Drawn By: **SL**
Approved By: **BF**
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TITLE
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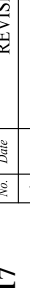

REVISIONS

No.	Date	BY	APPD
1			
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SHEET No. **C4** OF **5**

<div> <div>SECTION XX35 42 41</div> <div>RESTORATION, EROSION CONTROL, AND REVEGETATION</div> <div>PART 1 – GENERAL</div> <div>1.01 SECTION INCLUDES</div> <div> <div>A. Commercial erosion control materials.</div> </div> <div>Table 1. Products, Suppliers, Contacts</div> <table> <tr> <th>Product</th><th>Suppliers</th><th>Contact Information</th></tr> <tr> <td>Seed</td><td>Comstock Seed</td><td>https://www.comstockseed.com</td></tr> <tr> <td rowspan="2">Coir 70/700 netting</td><td>Ro-Lanka</td><td>http://rolanka.com/erosion-mat-biodegradable-mat-70</td></tr> <tr> <td>Nedia Enterprises</td><td>http://www.nedia.com/Nedia_Products.html</td></tr> <tr> <td>Biodegradable stakes</td><td>Tensar/North American Green</td><td>http://www.tensarnagreen.com/Installation/Installation-products</td></tr> </table> <div>1.02 RELATED SECTIONS</div> <div> <div>A. Section 01 71 23 Layout and Staking</div> <div>B. Section 31 00 00 Earthwork</div> </div> <div>1.03 DEFINITIONS</div> <div> <div>A. C-27 Landscape Contractor. The Contractors State License Board defines a landscape contractor as someone who constructs, maintains, repairs, installs or subcontracts the development of landscape systems and facilities for public and private gardens and other areas which are designed to aesthetically, architecturally, horticulturally, or functionally improve the grounds within or surrounding a structure or a tract or plot of land. In connection therewith, a landscape contractor prepares and grades plots and areas of land for the installation of any architectural, horticultural and decorative treatment or arrangement. California Code of Regulations, Title 16, Division 8, Article 3. Classifications Authority cited: Sections 7008 and 7059, Reference: Sections 7058 and 7059 (Business and Professions Code) www.cslb.ca.gov.</div> </div> </div> <div>WESTERN BOTANICAL SERVICES, INC. West River Park Slope Stabilization Project</div>	Product	Suppliers	Contact Information	Seed	Comstock Seed	https://www.comstockseed.com	Coir 70/700 netting	Ro-Lanka	http://rolanka.com/erosion-mat-biodegradable-mat-70	Nedia Enterprises	http://www.nedia.com/Nedia_Products.html	Biodegradable stakes	Tensar/North American Green	http://www.tensarnagreen.com/Installation/Installation-products	<div> <div>TOWN OF TRUCKEE WEST RIVER PARK SLOPE STABILIZATION PROJECT</div> <div>TOWN OF TRUCKEE100% DESIGN DATE: 02-18-25</div> </div> <div> <div>For this project the C-27 is tasked with all work associated with vegetation including oversight of vegetation work conducted by the General Engineering Contractor (General).</div> <div>B. Scope of Work: Scope of work includes: sod salvage, willow salvage and replacement, hydroseeding, erosion control netting installation, willow pole installation, and maintenance.</div> <div>The General is responsible for backfilling the riprap with the approved triple mix topsoil or approved equal.</div> </div> <div>1.04 TREATMENT TYPES</div> <div> <div>A. Hydroseeding with Revegetation Seed Mix . Apply the slurry over all riprap and disturbed soils.</div> <div>B. Toe-of-slope. Salvage and replan all sod and herbaceous vegetation. Install. Install up to 30 poles on average 4-ft. Maintain willows for one year following completion of the work, achieving 100% survival.</div> <div>C. Riprap with Topsoil. Backfill with approved triple mix up to four inches below finish grade of riprap as directed (to be done by the General).</div> <div>D. Willow salvage and re-plant/</div> </div> <div>1.05 SUBMITTALS</div> <div> <div>A. General: Submit under as per the requirements of the Contract provisions.</div> <div>B. Samples and Documentation: <div> <div>1. Construction Schedule</div> <div>2. Revegetation Seed Mix</div> <div>3. Recycled Paper Mulch</div> <div>4. Organic Tackifier</div> <div>5. Erosion Control Netting and Stakes</div> <div>6. Lab analysis of triple mix topsoil for backfill</div> </div> </div> </div> <div>1.06 QUALITY CONTROL</div> <div> <div>A. All revegetation work shall be conducted or overseen by a C-27 licensed contractor. Document work on a daily basis.</div> </div> <div>WESTERN BOTANICAL SERVICES, INC. West River Park Slope Stabilization Project</div>	<div> <div>TOWN OF TRUCKEE WEST RIVER PARK SLOPE STABILIZATION PROJECT</div> <div>TOWN OF TRUCKEE100% DESIGN DATE: 02-18-25</div> </div> <div>1.06 SITE CONDITIONS</div> <div> <div>A. Unfavorable Weather Conditions: <div> <div>1. All restoration work shall not be performed during weather conditions that might damage or be detrimental to the condition of existing ground, in-progress work, or completed work.</div> </div> </div> <div>B. Prevention of Erosion: Comply with requirements specified in Section 01 35 44 Environmental Requirements, the Project SWPPP, and the following: <div> <div>1. Prevent erosion of stockpiles, ditches, embankments, filled, backfilled, and graded areas until such time as permanent drainage and erosion control measures have been installed.</div> <div>2. Perform "protective grading" to provide positive drainage and to minimize ponding of surface water.</div> <div>3. Apply Temporary Erosion Control to all areas at finish grade for more than 14 days.</div> </div> </div> <div>PART 2 - PRODUCTS</div> <div>2.01 SEED</div> <div> <div>A. General: <div> <div>1. All seed shall conform to all laws and regulations pertaining to the sale and shipment of seed required by the California Department of Food and Agriculture and the Federal Seed Act. Test all seed twelve (12) months prior to the application date. Seed tags must reflect the most recent test date. Submit original seed tests by lot number to the Owner a minimum ten (10) days prior to application for approval. Following approval by the Owner seed may be mixed and delivered to the site.</div> <div>2. All seed shall be delivered to the project site in sealed bags with proper labeling. Weed seed shall not exceed 0.15% of the pure live seed specified and shall not include any seed of cheatgrass (<i>Bromus tectorum</i>) or sweet clovers (<i>Mellilotus officinalis</i>, <i>M. alba</i>). Crop seed shall not exceed 0.15%. The Owner may reject any seed that includes other un-desirable weedy species.</div> <div>3. The Contractor shall notify the Owner at least 72 hours in advance of any seeding.</div> <div>4. The Owner will remove seed labels from the seed bags at the time of seeding to verify species in the mix and application rate in accordance with these Special Provisions and preserve these records as part of the as-built plans.</div> </div> </div> </div> <div>WESTERN BOTANICAL SERVICES, INC. West River Park Slope Stabilization Project</div> </div>	<div> <div>TOWN OF TRUCKEE WEST RIVER PARK SLOPE STABILIZATION PROJECT</div> <div>TOWN OF TRUCKEE100% DESIGN DATE: 02-18-25</div> </div> <div> <div>5. Seed tags shall show the following information: <div> <div>a. Scientific name</div> <div>b. Common name</div> <div>c. Lot number</div> <div>d. Percent purity</div> <div>e. Percent germination, including hard and dormant seed</div> <div>f. Percent weed seed</div> <div>g. Percent crop seed</div> <div>h. Origin</div> </div> </div> <div>6. Seed Mixes shall be the following:</div> <div>Table 1. Revegetation Seed Mix 1 (Upland)</div> <table> <tr> <th>Scientific Name</th><th>Common Name/Variety</th><th>PLS lbs./acre</th></tr> <tr> <td><i>Achillea millefolium</i></td><td>yarrow</td><td>0.10</td></tr> <tr> <td><i>Artemisia tridentata ssp. vaseyana</i></td><td>Mtn. sagebrush</td><td>0.50</td></tr> <tr> <td><i>Bromus carinatus</i></td><td>California brome</td><td>3.00</td></tr> <tr> <td><i>Elymus elymoides</i></td><td>squirreltail</td><td>4.00</td></tr> <tr> <td><i>Elymus trachycaulis</i></td><td>slender wheatgrass, 'Pryor'</td><td>4.00</td></tr> <tr> <td><i>Eriogonum umbellatum</i></td><td>sulphur buckwheat</td><td>2.00</td></tr> <tr> <td><i>Linum lewisii</i></td><td>Lewis flax, 'Apar'</td><td>1.00</td></tr> <tr> <td><i>Lupinus argenteus</i></td><td>silvery lupine</td><td>3.00</td></tr> <tr> <td><i>Lupinus lupinus</i></td><td>Pacific lupine</td><td>1.00</td></tr> <tr> <td><i>Penstemon strictus</i></td><td>Rocky Mtn. penstemon, 'Bandera'</td><td>0.25</td></tr> <tr> <td><i>Poa secunda</i></td><td>big bluegrass, 'Sherman'</td><td>1.00</td></tr> <tr> <td><i>Purshia tridentata</i></td><td>antelope bitterbrush</td><td>1.00</td></tr> <tr> <td><i>Thinopyrum intermedium</i></td><td>Intermediate wheatgrass</td><td>2.00</td></tr> <tr> <td>Total</td><td></td><td>22.85</td></tr> </table> </div> <div>2.04 RECYCLED PAPER MULCH AND TACKIFIER</div> <div> <div>A. Material shall be biodegradable green-dyed 100% recycled paper material produced from newsprint, chipboard, corrugated cardboard, or a combination of these materials.</div> <div>Material shall be free from weeds or other foreign matter prohibitive to seed germination. All material shall be clean from rock, garbage, weeds, or other deleterious material.</div> </div> <div>WESTERN BOTANICAL SERVICES, INC. West River Park Slope Stabilization Project</div>	Scientific Name	Common Name/Variety	PLS lbs./acre	<i>Achillea millefolium</i>	yarrow	0.10	<i>Artemisia tridentata ssp. vaseyana</i>	Mtn. sagebrush	0.50	<i>Bromus carinatus</i>	California brome	3.00	<i>Elymus elymoides</i>	squirreltail	4.00	<i>Elymus trachycaulis</i>	slender wheatgrass, 'Pryor'	4.00	<i>Eriogonum umbellatum</i>	sulphur buckwheat	2.00	<i>Linum lewisii</i>	Lewis flax, 'Apar'	1.00	<i>Lupinus argenteus</i>	silvery lupine	3.00	<i>Lupinus lupinus</i>	Pacific lupine	1.00	<i>Penstemon strictus</i>	Rocky Mtn. penstemon, 'Bandera'	0.25	<i>Poa secunda</i>	big bluegrass, 'Sherman'	1.00	<i>Purshia tridentata</i>	antelope bitterbrush	1.00	<i>Thinopyrum intermedium</i>	Intermediate wheatgrass	2.00	Total		22.85	<div> <div>TOWN OF TRUCKEE WEST RIVER PARK SLOPE STABILIZATION PROJECT</div> <div>TOWN OF TRUCKEE100% DESIGN DATE: 02-18-25</div> </div> <div> <div>B. Tackifier. Material shall be of an organic, plant-derived substance containing psyllium or guar gum, or a combination thereof.</div> </div> <div>2.05 EROSION CONTROL NETTING AND STAKES</div> <div> <div>A. Netting shall be 100% coir fiber twine fiber twine with a weight of 23 oz/SY (780 g/sq.m), thickness 0.35 in (9 mm)), varying in roll length, and 48% open area of weave (70 or 700 or product equal).</div> <div>B. Stakes shall be 12 inches in length, manufactured from a hardwood (Eco-STAKE or equivalent), or willow poles, or as approved by the Owner.</div> </div> <div>2.07 TOPSOIL BACKFILL</div> <div> <div>A. Material shall be locally sourced triple mix or equal. Compost is not an acceptable substitution.</div> <div>B. Material shall meet the following criteria: <div> <div>1. Texture: sandy loam</div> <div>2. pH range: 6.5 - 7.5</div> <div>3. Nitrate: <1.2 ppm or as approved</div> <div>4. Organic Matter: ≤ 5%.</div> </div> </div> <div>C. Submit a sample to a recognized analysis lab and obtain results for the following components. Soil Saturation percent, Soil Texture, Infiltration Rate, pH, Conductivity, Total Dissolved Salts, Cation Exchange Capacity, Potassium, Sodium, Calcium, Magnesium, Nitrate & Phosphorus, Sulfur, Chloride, Boron, , Sodium Absorption Ratio, Exchangeable Sodium Percent & Organic Matter.</div> </div> <div>2.08 SALVAGED WILLOWS AND POLES</div> <div> <div>A. Salvage one large native willow, as staked in the field by the Owner. Remove and re-plant concurrent with construction as much as practicable. Prior to removal, prune plants so that branches include two to three nodes, but do not exceed six (6) inches in length. Cuts shall be clean, leave no frayed bark, and be made ½ inch above the node. Gently remove plants by excavating around the root zone with a backhoe bucket, or other equipment approved by the Owner.</div> </div> <div>WESTERN BOTANICAL SERVICES, INC. West River Park Slope Stabilization Project</div>	<div> <div>TOWN OF TRUCKEE WEST RIVER PARK SLOPE STABILIZATION PROJECT</div> <div>TOWN OF TRUCKEE100% DESIGN DATE: 02-18-25</div> </div> <div> <div>B. As much of the root ball as feasible shall be removed intact. Prune damaged roots. Burlap may be used to wrap and protect the root zone during transport. Re-use pruned willows for poles.</div> <div>C. All branches used for poles shall be cut from healthy, live, dormant branches of Lemmon's willows (<i>Salix lemmonii</i>) harvested from within the project footprint and as identified by the Owner.</div> </div> <div>This work shall take place late in the fall after the on-site willows have become dormant, unless irrigated. Poles shall be at minimum four (4) ft. in length and no more than one inch in diameter. Material shall not be cut more than seven (7) days prior to installation unless approved by the Owner and stored in cool, moist, and shaded conditions. Poles shall be straight, with all leaves removed from the stems. All cuts shall be clean without frayed ends. Cut bottoms on a 45° angle.</div> <div>PART 3 - EXECUTION</div> <div>3.01 GENERAL</div> <div> <div>A. All revegetation and restoration work shall consist of the following components: salvaged sod and placement, willow salvage and replanting, erosion control netting installation, willow pole plantings, and hydroseeding. It shall include a one -year maintenance and warranty period.</div> <div>B. A C-27 licensed in the state of California and shall perform all vegetation work as specified herein, in accordance with the provisions of these Special Provisions and the Plans.</div> </div> <div>3.02 SOD SALVAGE AND PLACEMENT</div> <div> <div>A. Establish limits of salvage and replacement, as approved by the Owner.</div> <div>B. Salvage all sod and organic matter to a depth of at minimum eight (8) inches, as measured from the root crown. Reduce handling and storage time so that excavation and reapplication is concurrent.</div> <div>C. Sod shall be lifted from the sub-grade using machinery equipped with a front-end bucket or otherwise approved apparatus. Work shall progress in such a manner as to minimize the disturbance of the soil bound by the root mass and the contiguous integrity of the sod section. Material that cannot be moved in a contiguous manner shall be salv</div></div>
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USA NORTH 811
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 <p>EASTERN SIERRA ENGINEERING</p> <p>CIVIL ENGINEERING & CONSTRUCTION SERVICES 4515 TOWNE DRIVE RENO, NV 89521 MAIN: (775) 828-7220 FAX: (775) 828-7221</p>	 <p>3-10-2025</p>		<p>DESIGNED: SL</p> <p>DRAWN BY: SL</p> <p>APPROVED BY: BF</p> <p>JOB NO.: 24164</p> <p>SCALE: AS SHOWN</p> <p>DATE: 3-10-2025</p>	<p>TITLE</p> <p>PROJECT</p>	<p>DEWBHEYUMUWE? PARK - CIP# C1817</p> <p>SPECIFICATIONS</p> <p>10257 WEST RIVER STREET, 019-130-004</p> <p>TOWN OF TRUCKEE</p> <p>10183 TRUCKEE AIRPORT RD</p> <p>TRUCKEE, CA 96161</p> <p>TOWN OF TRUCKEE</p>	<p>No.</p> <p>Date</p>	<p>REVISIONS</p>	<p>BY</p> <p>APPD</p>
	1							
	2							
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