Attachment A

TOWN OF TRUCKEE

AGENCY:



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

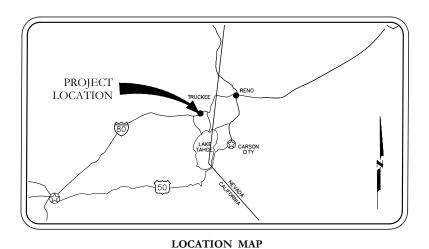
CIVIL ENGINEER:

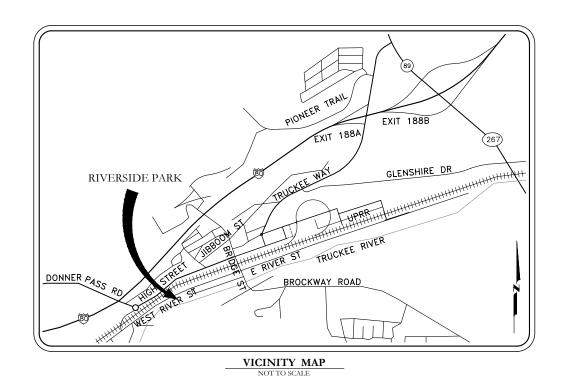


PLANS FOR CONSTRUCTION OF RIVERSIDE PARK

NEVADA COUNTY, CALIFORNIA

TO BE SUPPLEMENTED BY: 2018 CALTRANS STANDARD SPECIFICATIONS AND STANDARD PLANS





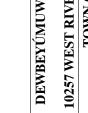
Sheet List Table

Sheet **Sheet Title** Number C1 TITLE

C2

NOTES, LEGEND, ABBREVIATIONS

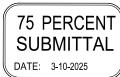
C3 **GRADING PLAN GRADING PLAN** C5 **SPECIFICATIONS**













GENERAL NOTES:

- THE CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION VEHICLES OR EQUIPMENT FIXED OR MOBILE, OPERATED WITHIN CLOSE PROXIMITY OF A RESIDENTIAL DWELLING SHALL BE EQUIPPED WITH PROPERLY OPERATING AND MAINTAINED MUFFLERS AT ALL TIMES DURING PROJECT CONSTRUCTION. IT IS THE OWNER'S RESPONSIBILITY TO OBTAIN THE SERVICES OF A QUALIFIED ACOUSTICAL PROFESSIONAL TO VERIFY PROPER EQUIPMENT MUFFLERS IF CONCERNS RELATING TO THE ISSUE ARISE.
- 2. PAYMENT FOR WORK SHOWN ON THESE PLANS EITHER SPECIFIED OR INFERRED, BUT NOT IN THE BID PROPOSAL SHALL BE CONSIDERED AS INCLUDED IN THE PRICE PAID FOR OTHER ITEMS OF WORK.
- 3. CONTRACTOR SHALL COMPLY WITH ALL TOWN OF TRUCKEE PERMIT REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING ROADS, UTILITIES OR OTHER FACILITIES RESULTING FROM CONSTRUCTION ACTIVITIES. REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE
- CONSTRUCTION HOURS: HOURS OF OPERATION OF CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO MONDAY FROM 7:00AM TO 9:00PM AND SUNDAY AND ANY FEDERALLY DESIGNATED HOLIDAYS FROM 9:00AM TO 6:00PM UNLESS THE COMMUNITY DEVELOPMENT DIRECTOR AUTHORIZES AN EXTENSION OF THE TIME LIMITATIONS BASED ON THE FINDING THAT THE NOISE LEVELS FROM THE CONSTRUCTION ACTIVITIES WILL NOT NEGATIVELY AFFECT THE RESIDENTIAL USES IN THE SURROUNDING AREA. IF A NOISE COMPLAINT IS RECEIVED AFTER THE CONSTRUCTION TIME LIMITS ARE EXTENDED, THE COMMUNITY DEVELOPMENT DIRECTOR HAS THE ABILITY TO RENDER THE EXTENDED TIME LIMITS NULL AND VOID AND THE APPLICANT SHALL REVERT TO THE AFOREMENTIONED HOURS OF OPERATION TIME LIMITATIONS. INTERIOR CONSTRUCTION ACTIVITIES MAY OCCUR AFTER THESE HOURS IF SICH ACTIVITIES WILL NOT PERSON NOISE. F SUCH ACTIVITIES WILL NOT RESULT IN EXTERIOR NOISE AUDIBLE AT PROPERTY LINES.
- 6. CULTURAL RESOURCES: IN THE EVENT THAT ARCHAEOLOGICAL OR CULTURAL RESOURCES ARE DISCOVERED DURING ANY CONSTRUCTION, ALL CONSTRUCTION ACTIVITIES SHALL CEASE WITHIN 200 FEET OF THE FIND UNLESS A LESSER DISTANCE IS APPROVED BY THE COMMUNITY DEVELOPMENT DIRECTOR, AND THE COMMUNITY DEVELOPMENT DEPARTMENT SHALL BE NOTIFIED SO THAT THE EXTENT AND LOCATION OF DISCOVERED MATERIALS MAY BE RECORDED IN WRITTEN REPORT PREPARED BY A QUALIFIED ARCHAEOLOGIST, AND DISPOSITION OF DISCOVERED MATERIALS MAY OCCUR IN COMPLIANCE WITH STATE AND FEDERAL CONSTRUCTION SHALL NOT RECOMMENCE UNTIL THE DIRECTOR AUTHORIZES CONSTRUCTION TO BEGIN.
- CULTURAL RESOURCES: IF HUMAN REMAINS ARE ENCOUNTERED DURING CONSTRUCTION, THE COUNTY CORONER SHALL BE NOTIFIED. IF THE REMAINS ARE DETERMINED TO BE NATIVE AMERICAN, THE CORONER HAS 24 HOURS TO NOTIFY THE NATIVE

TESTING AND INSPECTION:

- CONTRACTOR SHALL NOTIFY ENGINEER 48 HOURS IN ADVANCE OF REQUIRED TESTING AND INSPECTION.
- CONTRACTOR SHALL SUBMIT AC & PCC CONCRETE MIX DESIGNS, PIPE, PIPE FITTINGS, BEDDING, BACKFILL AND AC GRINDINGS FOR APPROVAL BY ENGINEER. APPROVAL MUST BE OBTAINED FROM ENIGINEER PRIOR TO CONTRACTOR USING MATERIALS IN WORK. IF ONSITE MATERIAL USED FOR BEDDING, BACKFILL OR AC GRINDINGS, NOTIFY THE ENGINEER PRIOR TO USING MATERIALS IN WORK FOR VERIFICATION OF GRADATIONS.

MATERIALS:

- 1. ASPHALT CONCRETE SHALL CONFORM TO PROJECT SPECIFICATIONS.
- 2. CRUSHED ROCK OR GRAVEL AND SAND MEETING THE GRADATION REQUIREMENTS MAY BE USED FOR BEDDING, SAND BEDDING

| BACKFILL GRADATION | | SAND BEDDING GR | <u>ADATION</u> | BEDDING GRADATIO | <u>N</u> |
|--------------------|-----------|-----------------|----------------|------------------|--------------|
| SIEVE SIZE | % PASSING | SIEVE SIZE | % PASSING | SIEVE SIZE | % PASSING |
| 3" | 100 | 3/8" | 100 | 3/4" | 100 |
| NO 4 | 35 - 100 | NO 4 | 90 - 100 | NO 4 | 35 - 100 |
| NO 40 | 20 - 100 | NO 50 | 10 - 40 | NO 200 | 0 - 15 |
| NO 200 | 0 - 25 | NO 100 | 3 - 20 | SAND EQUIVALEN | IT = 20 MIN. |
| SAND EQUIVALENT = | 20 MIN. | NO 200 | 0 - 15 | | |

RESTORATION. EROSION CONTROL. REVEGETATION NOTES:

- THE SCOPE OF WORK INCLUDES SOD SALVAGE, WILLOW SALVAGE AND REPLACEMENT, HYDROSEEDING, EROSION CONTROL NETTING INSTALLATION, WILLOW POLE INSTALLATION, BACKFILLING THE RIPRAP WITH THE APPROVED TRIPLE MIX TOPSOIL OR APPROVED EQUAL, AND MAINTENANCE.
 TREATMENT TYPES INCLUDE:
- HYDROSEEDING WITH REVEGETATION SEED MIX . APPLY THE
- HTUNGSEDING WITH REVEGETATION SEED MIX. APPLY THE SLURRY OVER ALL RIPRAP AND DISTURBED SOILS.

 TOE-OF-SLOPE. SALVAGE AND REPLANT ALL SOD AND HERBAGEOUS VEGETATION AND INSTALL COIR NETTING OVER THIS MATERIAL INSTALL UP TO WILLOW 30 POLES ON AVERAGE 4-FT CENTERS. MAINTAIN WILLOWS FOR ONE YEAR FOLLOWING COMPLETION OF THE WORK, ACHIEVING ROOM SUBVIVA 80% SURVIVAL.

 C. RIPRAP WITH TOPSOIL. BACKFILL WITH APPROVED TRIPLE MIX
- UP TO FOUR INCHES BELOW FINISH GRADE OF RIPRAP AS
- WILLOW SALVAGE AND RE-PLANT.
- . WILLOW SALVAGE AND RE-PLANI.
 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 & INCH ABOVE THE NODE. GENTLY REMOVE
 PLANTS BY EXCANATING ADDINING THE POOT ZONE WITH A PLANTS BY EXCAVATING AROUND THE ROOT FONE WITH A BACKHOE BUCKET, OR OTHER EQUIPMENT APPROVED BY THE OWNER. 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. ALL BRANCHES USED FOR POLES SHALL BE CUT FROM HEALTHY, LIVE, DORMANT BRANCHES OF LEMMON'S WILLOWS (SALIX LEYE, DORMANI BRANCHSE OF LEMMONS WILLOWS (SALIA LEMMONI) HARVESTED FROM WITHIN THE PROJECT FOOTPRINT AND AS IDENTIFIED BY THE OWNER. 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 NICH 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.
- FROSION CONTROL NETTING INSTALLATION, INSTALL BLANKETS
 FROM THE TOP OF SLOPE TO THE SLOPE TOE AS DIRECTED.
 EXCAVATE A SIX (6) INCH X SIX (6) INCH TRENCH AT THE TOE OR TOP OF ALL SLOPES. OVERLAP BLANKETS SIX (6)

- INCHES AND STAKE WITH TWELVE (12) INCH HARD WOOD STAKES, ON AN AVERAGE OF TWO (2) STAKES PER SQUARE YARD IN A DIAMOND PATTERN. ANCHOR BLANKETS IN TRENCHES WITH THE HARD WOOD STAKES ON TWO (2)-FOOT
- TRENCHES WITH THE HARD WOOD STAKES ON TWO (2)-FOOT CENTERS, BACKFILL THE TRENCH AND COMPACT LOOSE SOIL.
 WILLOW POLE PLANTINGS. INSTALL WILLOW POLES ON AVERAGE FOUR (4) FT. CENTERS AS DIRECTED BY THE OWNER. INSTALL ON A 45-DEGREE ANGLE SO THAT THE POLES ARE IN PLANTED INTO PERMANENTLY MOIST SOILS.
 INSTALL INTO THE COIR NETTING AS DIRECTED.PRE-PREPARE THE PLANTING HOLE FOR POLES USING RE-BAR, A 'STINGER' OR OTHER POLE FOR THE POLE TH OR OTHER SUITABLE TOOL TO THE DEPTH OF THE POLE SO
 AS TO NOT DAMAGE THE BARK OF THE POLE DURING
 INSTALLATION, INSTALL THROUGH EROSION CONTROL NETTING WITHOUT TEARING THE MATERIAL. PLANT SO THAT TWO TO THEE NODES ARE ABOVE GRADE AND MORE THAN 85% OF THE POLE S IN THE GROUND. TIGHTLY PACK ALL LOOSE SOILS AROUND THE POLES SO THAT CANNOT BE REMOVED BY HAND. ANCHOR BLANKETS IN TRENCHES WITH THE HARD WOOD STAKES ON TWO (2)-FOOT CENTERS, BACKFILL THE TRENCH AND COMPACT LOOSE SOIL.
- TRIPLE MIX TOPSOIL BACKFILL PLACEMENT. APPLY MATERIAL AS SHOWN IN THE PLANS SO THAT IT IS AT TWO FOUR INCHES BELOW TOP OF THE RIPRAP SUFFACE.
- HYDROSEEDING, MIX REVEGETATION SEED MIX AT SPECIFIE RATES. WITH RECYCLED PAPER MULCH AT 2,000 LBS/ACRE AND TACKIFIER AT 200 LBS/ACRE. USE HYDROSEEDER WITH A
 PADDLE WHEEL AGITATIOR AND ADEQUATE WATER TO ACHIEVE
 A HOMOGENEOUS SLURRY APPLIED UNDER NON-WINDY
- A PRE-GRADING MEETING IS NEEDED ON SITE AFTER THE LIMITS HAVE BEEN STAKED TO FINE TUNE THE ACTUAL GRADING LIMITS AND ELIMINATE ANY AREAS THAT ARE NOT NECESSARY
- NECESSARI.

 SALVAGE ALL WOODY DEBRIS WITHIN PROJECT LIMITS. ALL OF THE WOODY DEBRIS PLACEMENT SHOULD BE INCLUDED IN THE RACHMORK NOTES. SPECIFY THAT ALL WOODY DEBRIS, INCLUDING THE COTTONWOOD LOG AND STUMPS SHOULD BE SALVAGED AND PLACED ON THE MID-SLOPE TERRACE AT THE DIRECTION OF THE ENGINEER.
- 10. VEGETATION ON GRADING LIMITS SHOULD BE CUT BACK, NOT REMOVED.
 INSTALL 1" PEA GRAVEL TOP OF SLOPE AT THE HINGE POINT
- (INTERFACE) BETWEEN THE 1:1 RIPRAP AND 3:1 SLOPE TO
- PROVIDE ADDITIONAL INFILTRATION.

 CORDON OFF TOP OF SLOPE WITH TEMPORARY SIGNAGE, FENCING ETC. TO SEPARATE THE WORK AREA FROM THE PARK. ALL EROSION CONTROL FENCING SHALL BE PLACED UPHILL

R/W OR ROV UTILITY BOX (FADED IF EASEMENT (P) DRAIN INLET (FADED IF EXISTING) UPRR 25' LINE SS MANHOLF INDEX CONTOUR (DASHED - 5960 -(FADED IF EXISTING) FADED IF EXISTING) SS/CLEANOUT (FADED 5961 0 IF EXISTING (DASHED FADED IF EXISTING) (SD) SD MANHOLE UTILITY W/DESIGNATION (SD) (E) SD MANHOLE WOOD SPLIT RAIL FENCE (E) DI GRATE 目 (E) TREE APPROX TEST PIT LOCATION __ __ __ __ FUTURE SD (E) MONITORING WELL ABANDON STORM DRAIN ŶÎ LIMIT OF GRADING 305050505 CLASS 2 AGGREGATE BASE D1 / (P) AC C3 / **CLEARING & GRUBBING:**

LEGEND:

CLEARING AND GRUBBING SHALL COMPLY WITH SECTION 17-2 "CLEARING AND GRUBBING" OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS EXCEPT AS MODIFIED HEREIN.

CLEARING AND GRUBBING SHALL CONSIST OF REMOVING ALL VEGETATION TO A DEPTH OF EIGHT INCHES

THE CONTRACT PRICE PAID PER LUMP SUM (LS) FOR "CLEARING AND GRUBBING" SHALL INCLUDE FULL COMPENSATION FOR FURNISHING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND INCIDENTALS, FOR CLEARING AND DISPOSING OF EXISTING VEGETATION COMPLETE IN PLACE, AS SPECIFIED, SHOWN ON THE

THE CONTRACT PRICE PAID PER EACH (EA) FOR "REMOVE TREE AND STUMP" SHALL INCLUDE FULL COMPENSATION FOR FURNISHING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND INCIDENTALS, AND FOR REMOVING TREE AND STUMP INCLUDING LABOR MATERIALS AND OFF-HAUL, AS SPECIFIED, SHOWN ON

EXCAVATION:

EXCAVATION IMPROVEMENTS SHALL COMPLY WITH SECTION 19-2, "ROADWAY EXCAVATION" OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS.

EXCAVATION CONSISTS OF ALL EXCAVATION INVOLVED IN THE GRADING AND CONSTRUCTION OF THE PROJECT. WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:

STRIPPING FOR REMOVAL OF VEGETATION AND SURFACE ORGANICS. EXCAVATION FOR REMOVAL OF UNSUITABLE MATERIAL IDENTIFIED BY THE ENGINEER. CONTROL OF GROUNDWATER DURING EXCAVATION IF HIGH GROUNDWATER OR SEEPAGE WATER IS ENCOUNTERED. BEMANKMENT OSSTRUCTION. EXCAVATION PLACED AS FILL TO ACHIEVE SUBGRADE ELEVATION AND FINISH GRADE IN OTHER AREAS.

THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PERFORMING ANY EXCAVATION WORK. THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT CONDITIONS IN PERFORMING ANY EXCAVATION WORK.

THE SITE MAY CONTAIN CONTAMINATED SOILS AND MATERIAL WITH WOOD DEBRIS, TIRES, AND OTHER DELETERIOUS MATTER. ON-SITE MATERIAL MAY BE USED IN OTHER APPLICABLE ITEMS OF WORK AS

PETROLEUM HYDROCARBON IMPACTED SOIL THAT CANNOT BE PLACED AS FILL OR STRUCTURAL FILL ACCORDING TO THE SMP WILL BE DISPOSED OF UNDER DISPOSAL OF CONTAMINATED SOIL (CONTINGENT ITEM). MATERIALS DEEMED TO BE UNSUITABLE SHALL BE DISPOSED OF UNDER DISPOSAL OF UNSUITABLE MATERIAL (CONTINGENT ITEM) AND AS DIRECTED BY THE ENGINEER.

ALL SOIL NOT REUSED ON-SITE SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH THE SMP.

ROCK SLOPE PROTECTION:

PLACE DIPPAR 12"-24"

THIS WORK INCLUDES PLACING RIPRAP AS SHOWN ON THE PLANS AND THESE SPECIAL PROVISIONS ROCK SHALL CONFORM TO SECTION 72-2, ROCK SLOPE PROTECTION, OF THE STANDARD SPECIFICATIONS.

IT MAY NOT BE PLACED BY DUMPING, BUT MUST BE SPREAD BY HAND OR WITH SMALL EQUIPMENT.

RIPRAP SHALL BE SCREENED ON-SITE ROCK FROM EXCESS ROADWAY EXCAVATION. THE WEIGHT LOSS, AS DETERMINED BY ASTM C131. SHALL NOT EXCEED 15 PERCENT DURING 100 REVOLUTIONS. NOR 52 PERCENT DURING 500 REVOLUTIONS, WITH A SPECIFIC GRAVITY OF 2.5 MINIMUM.

PLACE BOULDER, 2'-3'

THIS WORK INCLUDES PLACING ON-SITE BOULDERS AS SHOWN ON THE LANDSCAPE PLANS. ROCK SHALL CONFORM TO SECTION 72–2, ROCK SLOPE PROTECTION, OF THE STANDARD SPECIFICATIONS. BOULDERS SHALL BE ON-SITE ROCK FROM EXCESS ROADWAY EXCAVATION.

THE QUANTITY OF 'PLACE RIPRAP, 12"-24" AND BOULDER, 2'-3" PAID FOR SHALL BE THE QUANTITY MEASURED IN THE FIELD BY THE ENGINEER. QUANTITY OF ROCK IS SUBJECT TO CHANGE DUE TO AVAILABILITY OF ON-SITE ROCK.

THE CONTRACT PRICE PAID PER CUBIC YARD (CY) FOR "PLACE RIPRAP, 12"—24" AND BOULDER, 2"—3""
SHALL INCLUDE FULL COMPENSATION FOR FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, AND
INCIDENTALS, AND FOR DOING ALL WORK INVOLVED IN PLACING THE BOULDER, INCLUDING EXCAVATION,
COMPACTION AND PLACING BACKFILLING, BOULDER COMPLETE IN PLACE, AS SHOWN IN THE PLANS, AS
SPECIFIED IN THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND AS DIRECTED BY THE

ABBREVIATIONS:

| ΔR | AGGREGATE BASE | LT | LEFT MAXIMUM MAXIMUM DRY DENSITY MINIMUM MISCELLANEOUS MODIFIED METAL PIPE NO DIRECT PAYMENT NATIVE GROUND NOT IN CONTRACT NOT TO SCALE ORIGINAL GRADE OVERHEAD ELECTRIC POUNDS PER SQUARE INCH PUBLIC UTILITY EASEMENT POLYVINTL CHLORIDE PAVEMENT REINFORCED CONCRETE PIPE REVEGETATION UTILITY RISER RIGHT—OF—WAY STORM DRAIN MANHOLE STATION STORM DRAIN MANHOLE SOUARE FOOT/FEET SANITARY SEWER CLEAN OUT SANITARY SEWER MANHOLE STATION SIDEWALK SQUARE YARD TOP BACK OF CURB TELEPHONE TOP OF BANK TOE OF SLOPE TELEPHONE POLE TELEPHONE PULL BOX TELEPHONE PULL WATER VALVE CROSSING |
|--------------|--|-------------|--|
| AC | AGGREGATE BASE ASPHALT CONCRETE OR ACRE | MAX | MAXIMUM |
| <u> </u> | AT | M.D.D. | MAXIMUM DRY DENSITY |
| APPROX | APPROXIMATE | MIN | MINIMUM |
| RW | BACK OF SIDEWALK | MISC | MISCELLANEOUS |
| c | ASTRACT CONCRETE OR ACRE AT APPROXIMATE BACK OF SIDEWALK CABLE TV CURB AND GUTTER CATCH BASIN OR CABLE BOX CUBIC FEET CUBIC YARD DESDEC(S) | MOD | MODIFIED |
| C&G | CURB AND GUTTER | MP | METAL PIPE |
| CR | CATCH BASIN OR CARLE BOX | NDP | NO DIRECT PAYMENT |
| CF | CUBIC FEFT | NG | NATIVE GROUND |
| CY | CUBIC YARD | NIC | NOT IN CONTRACT |
| DEC OP * | CUBIC YARD DEGREE(S) DESCRIPTION DROP INLET OR DRAIN INLET DIAMETER EACH EASEMENT ELECTRIC | NTS | NOT TO SCALE |
| DESC ON | DESCRIPTION | OG | ORIGINAL GRADE |
| DI | DESCRIPTION DE DEATH INITET | OHE | OVERHEAD ELECTRIC |
| d OD DIA | DIAMETED ON DRAIN INCE | OHT | OVERHEAD TELEPHONE |
| FA DIA | DIAMETER | + | PLUS OR MINUS |
| EASE | EACH FACEMENT | (P) | PROPOSED |
| ELEC OR E | ELECTRIC | Pro- | PORTLAND CEMENT CONCRETE |
| ELEC OK L | ELECTRIC DOV | PP | POWER POLE |
| ED | ELECTRIC BOX ELEVATION EDGE OF SHOULDER EDGE OF PAYEMENT EDGE OF SIDEWALK ELECTRICAL VAULT | D&D | DIAN AND DOCUE |
| LL | EDGE OF SHOULDED | DCI | DOTINGS DED SOTIADE INCH |
| EU3 | EDGE OF BAVENENT | DIID | DIDLIC LITHITY EASEMENT |
| EF | EDGE OF SIDEWALK | BVC | |
| E2W | ELECTRICAL VALUE | DVMT | FOLIVINIL CHLORIDE |
| EV | ELECTRICAL VAULI | PCD | |
| (<u>t)</u> | FUTURE WORK BY OTHERS FINISH GRADE FIRE HYDRANT | RUF | REINFORCED CONCRETE FIFE |
| FG | FINISH GRADE | REVEG | KEVEGETATION |
| FH | FIRE HTURANI FLOWLINE FLANGED FOOT, FEET FOOT, FEET FRONT FACE OF CURB FIBER OPTIC MANHOLE GAS GRADE BREAK GAS VALVE HIGH DENSITY POLYETHYLENE HORIZONTAL HIGH POINT | KIS | UILLIII KISEK |
| FL | FLOWLINE | R/W OR ROW | RIGHT-OF-WAY |
| FLG | FLANGED | SD | STORM DRAIN |
| FT | FOOT, FEET | SDMH | STORM DRAIN MANHOLE |
| FFC | FRONT FACE OF CURB | SF OR SQ.FT | SQUARE FOOT/FEET |
| FM | FIBER OPTIC MANHOLE | SS | SANITARY SEWER |
| G | GAS | SSC0 | SANITARY SEWER CLEAN OUT |
| GB | GRADE BREAK | SSMH | SANITARY SEWER MANHOLE |
| GV | GAS VALVE | STA | STATION |
| HDPE | HIGH DENSITY POLYETHYLENE | SW | SIDEWALK |
| HOR OR HORIZ | HORIZONTAL HIGH POINT INVERT ELEVATION INCH INTERSECTION | SY | SQUARE YARD |
| HP | HIGH POINT | TBC | TOP BACK OF CURB |
| IE | INVERT ELEVATION | TEL | TELEPHONE |
| IN | INCH | TOB | TOP OF BANK |
| INT OR INTX | INTERSECTION | TOE | TOE OF SLOPE |
| IRR | IRRIGATION JOINT UTILITY POLE | TOP | TOP OF SLOPE |
| JUP | JOINT UTILITY POLE | TP | TELEPHONE POLE |
| LLFLIPLP | LENGTH | TPB | TELEPHONE PULL BOX |
| LF | LINEAR FEET | TV | TELEVISION |
| LIP | LIP OF GUTTER | TYP | TYPICAL |
| LP | LOW POINT | ₩V | WATER VALVE |
| LPX | LIGHT POLE(NUMBER) | XING | CROSSING |

SURVEY NOTES:

DETAIL IDENTIFICATION NUMBER

NUMBER OF SHEET ON WHICH

SECTION IDENTIFICATION NUMBER

NUMBER OF SHEET ON WHICH

SECTION IS LOCATED

FIELD SURVEY
PROVIDED BY MAPCA PROVIDED DI MATCA 580 MOUNT ROSE STREET RENO, NV, 89505 PORTION OF SECTION 15, TOWNSHIP 17 NORTH, RANGE 16 EAST MOUNT DIARLO MERIDIAN TOWN OF TRUCKEE, NEVADA COUNTY, CALIFORNIA DATE OF GROUND SURVEY: JUNE 2019

DATE OF ORTHO PHOTO: JUNE 2019 HORIZONTAL DATUM = CALIFORNIA STATE PLANE COORDINATE SYSTEM NAD83(2011) ZONE 2 MODIFIED GROUND VERTICAL DATUM = NAVD88 BM "D836" PID KS0133 EL = 5826.82

BOUNDARY SURVEY
PROVIDED BY US GEOMATICS 648 LANDER STREET DATE: JANUARY 2023

SUPPLEMENTARY SURVEY

1) BASIS OF BEARING: NORTH WAS ESTABLISHED WITH GPS OBSERVATIONS (CALIFORNIA STATE PLANE COORDINATES, ZONE 2, NAD83) OF NGS MONUMENT "TRUCKEE" (PIO: DH6440). WHICH HAS COORDINATES PUBLISHED ONLINE BY THE NATIONAL GEODETIC SURVEY. 2) BASIS OF ELEVATION:

THE VERTICAL DATUM FOR THIS SURVEY WAS ESTABLISHED USING GPS
OBSERVATIONS OF NGS MONUMENT "TRUCKEE" (PIO: DH6440), WHICH HAS AN ELEVATION OF 5902 FEET (NAVD88) ACCORDING TO DATA PUBLISHED ONLINE BY THE NATIONAL GEODETIC SURVEY

2) ALL COORDINATES AND DISTANCES SHOWN HEREON HAVE GROUND VALUES. A COMBINED FACTOR OF 0.99864487 AS PUBLISHED FOR NGS MONUMENT "TRUCKEE" (PIO: DH6440) WAS USED TO SCALE GRID COORDINATES TO GROUND COORDINATES. GROUND-TO-GRID SCALE FACTOR= 0.99964487
GRID-TO-GROUND SCALE FACTOR= 1.00035526

3) THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY, AND SHOULD NOT BE

4) THE FIELD WORK FOR THIS SURVEY WAS COMPLETED ON NOVEMBER 18, 2024.

DUST CONTROL:

- 1. CONTRACTOR SHALL ENSURE THAT ALL ADEQUATE DUST CONTROL MEASURES ARE IMPLEMENTED IN A TIMELY MANNER DURING ALL PHASES OF PROJECT
- 2. ALL MATERIAL EXCAVATED, STOCKPILED, OR GRADED SHALL BE SUFFICIENTLY WATERD, TREATED, OR COVERED TO PREVENT FUGITIVE DUST FROM LEAVING THE PROPERTY BOUNDARIES AND/OR CAUSING A PUBLIC NUISANCE. WATERING DURING SUMMER MONTHS SHOULD OCCUR AT LEAST TWICE DAILY, WITH COMPLETE
- 3. ALL AREAS WITH VEHICLE TRAFFIC SHALL BE WATERED OR HAVE DUST PALLIATIVE APPLIED AS NECESSARY TO MINIMIZE DUST EMISSIONS
- 4. ALL ON-SITE VEHICLE TRAFFIC SHALL BE LIMITED TO A SPEED OF 15 MPH ON UNPAVED ROADS.
- ALL LAND CLEARING, GRADING, EARTH MOVING, OR EXCAVATION ACTIVITIES ON A PROJECT SHALL BE SUSPENDED AS NECESSARY TO PREVENT EXCESSIVE WINDBLOWN DUST WHEN WINDS ARE EXPECTED TO EXCEED 20 MPH.
- 6. ALL INACTIVE PORTIONS OF THE DEVELOPMENT SITE SHALL BE COVERED, SEEDED, OR WATERED OR OTHERWISE STABILIZED UNTIL A SUITABLE COVER IS
- ALL MATERIAL TRANSPORTED OFF-SITE SHALL BE EITHER SUFFICIENTLY WATERED OR SECURELY COVERED TO PREVENT IT FROM BEING ENTRAINED IN THE AIR AND THERE MUST BE A MINIMUM OF SIX (6) INCHES OF FREEBOARD IN THE BED OF THE TRANSPORT VEHICLE.
- PAYED STREETS ADJACENT TO THE PROJECT SHALL BE SWEPT OR WASHED AT THE END OF EACH DAY, OR MORE FREQUENTLY IF NECESSARY, TO REMOVE EXCESSIVE ACCUMULATIONS OR VISIBLY RAISED AREAS OF SOIL WHICH MAY HAVE RESULTED FROM ACTIVITIES AT THE PROJECT SITE.

UTILITY CONTACTS:

| TRUCKEE SANITARY DISTRICT: SARAH BERGARON | 530-587-3804 |
|--|--------------|
| TRUCKEE DONNER PUD ELECTRICAL: KEITH RENSHAW | 530-582-3935 |
| TRUCKEE DONNER PUD WATER: NEIL KAUFMAN | 530-582-3950 |
| SW GAS: JIMMY SMITH | 775–831–6257 |
| AT&T: GREG DEFEHR | 775-379-2252 |
| SUDDENLINK CABLE TV: BENJAMIN HANLEY | 844-874-7558 |



75 PERCENT SUBMITTAL DATE: 3-10-2025



DEWBEYÚMUWE? PARK - CIP# C1817 NOTES, LEGEND, ABBREVIATIONS 10257 WEST RIVER STREET, 019-130-004

VN OF TRU UCKEE AIF JCKEE, CA

TOWN 10183 TRU TRUC

ON SERVICES (775) 828-7220 (775) 828-7221

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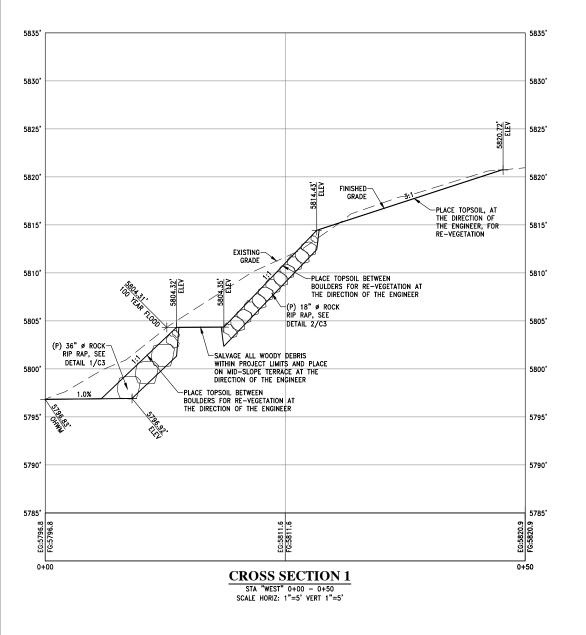
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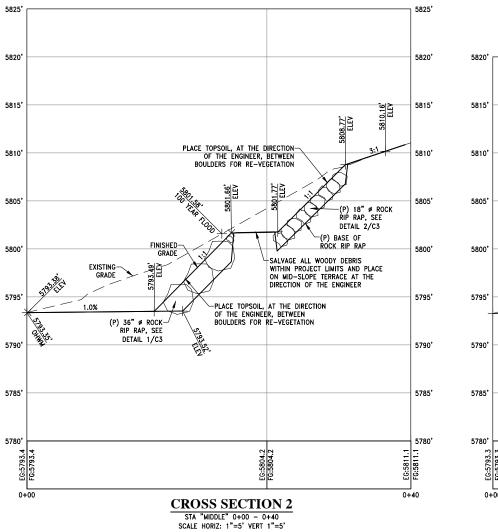
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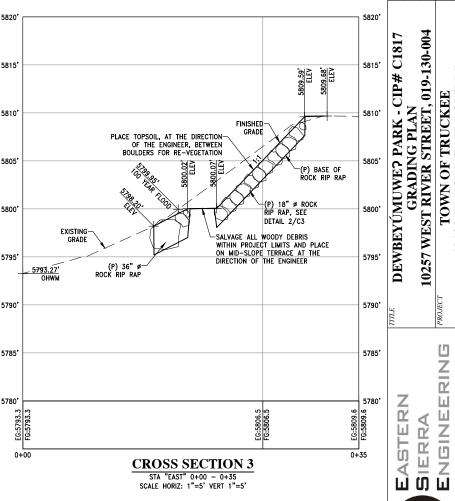
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GRADING PROFILES







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019-130-004

TOWN OF TRUCKEE 10183 TRUCKEE AIRPORT RD TRUCKEE, CA 96161

& CONSTRUCTION SERVICES MAIN: (775) 828-7220 FAX: (775) 828-7221

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RESTORATION, EROSION CONTROL, REVEGETATION:

SECTION XX35 42 41

RESTORATION, EROSION CONTROL, AND REVEGETATION

PART 1 - GENERAL

1.01 SECTION INCLUDES

| | able | 1. | Products, | Suppliers, | Conta |
|--|------|----|-----------|------------|-------|
|--|------|----|-----------|------------|-------|

| Product | Suppliers | Contact Information |
|-------------------------|--------------------------------|--|
| Seed | Comstock Seed | https://www.comstockseed.com |
| Coir 70/700 netting | Ro-Lanka | http://rolanka.com/erosion-mat-biodegrdable-mat- 70 |
| | Nedia Enterprises | http://www.nedia.com/Nedia_Products.html |
| Biodegradable stakes | Tensar/North American Green | http://www.tensarnagreen.com/Installation/Installat ion-products |

1.02 RELATED SECTIONS

- A. Section 01 71 23 Layout and Staking
- B. Section 31 00 00 Earthwork

2.07 TOPSOIL BACKFILL

1. Texture: sandy loam

2. pH range: 6.5 - 7.5 3. Nitrate: <1.2 ppm or as approved

B. Material shall meet the following criteria:

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 therewish, 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.

B. Stakes shall be 12 inches in length, manufactured from a hardwood (Eco-STAKE or

A. Material shall be locally sourced triple mix or equal. Compost is not an acceptable

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.

TOWN OF TRUCKEE WEST RIVER PARK SLOPE STABILIZATION PROJECT TOWN OF TRUCKEE

For this project the C-27 is tasked with all work associated with vegetation including of vegetation work conducted by the General Engineering Contractor

Scope of Work: Scope of work includes: sod salvage, willow salvage and replacement, hydroseeding, erosion control netting installation, willow pole installation, and

The General is responsible for backfilling the riprap with the approved triple mix topsoil

1.04 TREATMENT TYPES

- $A. \quad Hydroseeding \ with \ Revegetation \ Seed \ Mix\,. \ Apply \ the slurry \ over \ all \ riprap \ and \ disturbed$
- 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.
- 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).
- D. Willow salvage and re-plant/

1.05 SUBMITTALS

- A. General: Submit under as per the requirements of the Contract provisions.
- B. Samples and Documentation:
- Construction Schedule
- Revegetation Seed Mix

- 5. Erosion Control Netting and Stakes

- 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
- 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.

WESTERN BOTANICAL SERVICES INC.

- A. Establish limits of salvage and replacement, as approved by the Owner.
- 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
- 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 salvaged and re-applied as organic matter. If stored sod shall be placed with roots down and defeat material that contiguous accounts of the store that the store in a challed facility for a maximum and the store in a challed facility for a maximum and the store in a challed facility for a maximum and the store in a challed facility for a maximum and the store in a challed facility for a maximum and the store in a challed facility for a maximum and the store in a challed facility for a maximum and the store in the down and edges snugly adjoining adjacent sections in a shaded facility for a maximum time of one month. Stored sod shall not be stacked. The Contractor is responsible for providing adequate moisture to the sod during the interim storage period and is responsible for maintaining healthy material until it is re-planted

West River Park Slope Stabilization Project

WESTERN BOTANICAL SERVICES, INC. West River Park Slope Stabilization Project

vage one large native willow, as staked in the field by the Owner. Remove and re-

Salvage one targe native willow, as staked in the ried by the Owner, Kemove 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.

TOWN OF TRUCKEE WEST RIVER PARK SLOPE STABILIZATION PROJECT TOWN OF TRUCKEE

100% DESIGN

A. Unfavorable Weather Conditions:

1.06 SITE CONDITIONS

- 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.
- B. Prevention of Erosion: Comply with requirements specified in Section 01 35 44 Environmental Requirements, the Project SWPPP, and the following:
- 1. Prevent erosion of stockpiles, ditches, embankments, filled, backfilled, and graded areas until such time as permanent drainage and erosion contro measures have been installed.
- Perform "protective grading" to provide positive drainage and to minimize ponding of surface water.
- 3. Apply Temporary Erosion Control to all areas at finish grade for more than 14

PART 2 - PRODUCTS

2.01 SEED

- 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 origina appreciation date: Submit of 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.
- 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 (Bromus tectorum) or sweet clovers (Melilotus
 officinalis, M. alba). Crop seed shall not exceed 0.15%. The Owner may reject
 any seed that includes other un-desirable weedy species.

Precise locations for re-planting will be determined by the Owner. Planting holes may not be prepared more than eight (8) hours prior to plant removal from storage site. Holes shall be excavated twelve (12) inches below the root zone and twelve (12)

inches wider on both sides of the root mass. Loosen soils in the bottom and along the

so that the root ball is two to four (2 - 4) inches below existing grade. Tamp soil and

sides of the hole and place the plant in the hole, Backfill with the excavated moist soi

B. Excavate a six (6) inch X six (6) inch trench at the toe or top of all slopes. Overlap

blankets six (6) inches and stake with twelve (12) inch hard wood stakes, on an

Install willow poles on average four (4) ft, centers at the toe of the slope and as directed by the Owner. Install on a 45-degree angle so that the poles are in planted into permanently moist soils. Install into the coir netting as directed.

B. Pre-prepare the planting hole for poles using re-bar, a 'stinger' or other suitable tool to the depth of the pole so as to not damage the bark of the pole during installation. Install through erosion control netting without tearing the material. Plant so that two to three nodes are above grade and more than 85% of the pole is in the ground.

West River Park Slope Stabilization Project

average of two (2) stakes per square yard in a diamond pattern. Anchor blankets in trenches with the hard wood stakes on two (2)-foot centers, backfill the trench and

3.05 EROSION CONTROL NETTING INSTALLATION

3.06 WILLOW POLE PLANTINGS

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A. Install blankets from the top of slope to the slope toe as directed

West River Park Slope Stabilization Project

Ibs./acre

Tightly pack all loose soils around the poles so that cannot be removed by hand.

A. Apply Install as shown on the plans and Detail XX and as directed.

TOWN OF TRUCKEE WEST RIVER PARK SLOPE STABILIZATION PROJECT TOWN OF TRUCKEE

5. Seed tags shall show the following information

e. Percent germination, including hard and dormant seed

Name/Variety

Lewis flax, 'Apar

slender wheatgrass, 'Pryor'

big bluegrass, 'Sherman'

Intermediate wheatgrass

Pacific lupine
Rocky Mtn. penstemon, 'Bandera'

a. Scientific name

b. Common name

c. Lot number d. Percent purity

h. Origin

Achillea millefolium

Elymus trachycauli

Eriogonum umbellatur Linum lewisii

stemon strictus

hinopyron intermedium

urshia tridentata

Poa secunda

6. Seed Mixes shall be the following

Table 1. Revegetation Seed Mix 1 (Upland)
| Scientific Name | C

- B. Apply material so that it is at two four inches below top of the riprap surface.
- Mix Revegetation Seed Mix at specified rates, with recycled paper mulch at 2,000 lbs./acre and tackifier at 200 lbs./acre.
- Use a hydroseeder with a paddle wheel agitator and adequate water to achieve a homogeneous slurry. Evenly apply under non-windy conditions (<8 mph).

- For one full year following completion of the work warranty no evidence of erosion such as rills or sheet flow.
- Warranty 80% survival of willow poles.

WESTERN BOTANICAL SERVICES, INC.

C1817 019-130-004 DEWBEYÚMUWE? PARK - CIP# C SPECIFICATIONS 10257 WEST RIVER STREET, 019-130 TOWN OF TRUCKEE 10183 TRUCKEE AIRPORT RD TRUCKEE, CA 96161 RD 10257

DATE: 3-10-2025

No. C 76226 | ₩ No. C 76226 | ★ Exp.6-30-2026 / CIVIL 3-10-2025 Scale: SHEET No.

75 PERCENT SUBMITTAL



ON SERVII (775) 828-7 (775) 828-7

AS SHOWN

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2.04 RECYCLED PAPER MULCH AND TACKIFIER 6. Lab analysis of triple mix topsoil for backfill 3. The Contractor shall notify the Owner at least 72 hours in advance of any A. Material shall be biodegradable green-dved 100% recycled paper material produced 1.05 QUALITY CONTROL int, chipboard, corrugated cardboard, or a combination of these ma 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. 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. All revegetation work shall be conducted or overseen by a C-27 licensed contractor. Document work on a daily basis WESTERN BOTANICAL SERVICES, INC. WESTERN BOTANICAL SERVICES, INC. West River Park Slope Stabilization Project WESTERN BOTANICAL SERVICES, INC. TOWN OF TRUCKEE WEST RIVER PARK SLOPE STABILIZATION PROJECT TOWN OF TRUCKEE TOWN OF TRUCKEE WEST RIVER PARK SLOPE STABILIZATION PROJECT TOWN OF TRUCKEE TOWN OF TRUCKEE WEST RIVER PARK SLOPE STABILIZATION PROJECT TOWN OF TRUCKEE TOWN OF TRUCKEE WEST RIVER PARK SLOPE STABILIZATION PROJECT TOWN OF TRUCKEE B. As much of the root ball as feasible shall be removed intact. Prune damaged roots D. Over-excavate areas for installation as needed so that all material, including crowns Over-excavate areas for installation as needed so that all material, including crowns of sod, are affinish grade, approximately eight inches below the final plan grade as staked in the field. Plant into moist soil in between cobble. Chink with native topsoil so that the edges of the sod are well covered. Final elevation of sod crowns shall match he plan elevation. Thoroughly water sod. Sod shall be maintained in a moist, healthy condition as directed by the Owner until established according to the one-year parameter tracife. Burlap may be used to wrap and protect the root zone during transport. Re-use pruned 3.07 TRIPLE MIX TOPSOIL BACKFILL PLACEMENT B. Tackifier. Material shall be of an organic, plant-derived substance containing psyllium C. All branches used for poles shall be cut from healthy, live, dormant branches of or guar gum, or a combination thereof. 2.05 EROSION CONTROL NETTING AND STAKES 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 methan 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. E. Install erosion control netting over the sod as described below. 3.04 WILLOW SALVAGE AND REPLANTING (780 g/sq.m), thickness 0.35 in (9 mm)), varying in roll length, and 48% open area of A. Carefully remove plants by excavating around the root zone with a backhoe bucket, or other equipment approved by the Owner. As much of the root ball as feasible shall be removed intact. Prune damaged mots. Burlap may be used to wrap and protect the root zone during transport. Store in pre-excavated, pre-watered trenches and maintain weave (70 or 700 or product equal).