

CONSTRUCTION PLANS FOR BEAVER CREEK RESERVOIR SPILLWAY REPAIRS

PARK COUNTY, COLORADO

SITE 3: BID NUMBER: #2018-03

GENERAL NOTES

- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THESE DRAWINGS, SPECIFICATIONS AND CONTRACT DOCUMENTS, OR AS APPROVED BY THE TOWN OF FAIRPLAY.
- ALL WORK MUST COMPLY WITH THE UNITED STATES ARMY CORPS OF ENGINEERS (USA) NATIONWIDE PERMIT NUMBER 16, AS ISSUED TO THE TOWN OF FAIRPLAY. THE TOWN MAINTAINS THE RIGHT TO TERMINATE ANY WORK THAT IS NOT IN COMPLIANCE WITH THE USA PERMIT REQUIREMENTS.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF LOCAL, STATE, FEDERAL REGULATIONS AND THE CURRENT OCCUPATIONAL SAFETY AND HEALTH ACT.
- THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES. THE CONTRACTOR SHALL HAVE ONE (1) COPY OF ALL PERMITS AND EXTENSION AGREEMENTS NEEDED AT THE JOB SITE AT ALL TIMES.
- CONTOUR LINES ARE IN FEET, AND ARE BASED ON N.A.V.D. 1988 VERTICAL DATUM.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT A PROJECT WORK PLAN TO THE TOWN OF FAIRPLAY, IN ACCORDANCE WITH THE SPECIFICATIONS, PRIOR TO COMMENCEMENT OF WORK.
- THE EXISTING UTILITIES, STRUCTURES, FACILITIES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS AND ELEVATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER FACILITIES EXISTING WHICH ARE NOT PRESENTLY KNOWN. CONTRACTOR SHALL VERIFY ALL EXISTING FEATURES AND NOTIFY THE TOWN OF FAIRPLAY OF ANY DISCREPANCIES PRIOR TO STARTING WORK.
- THE EXISTING TERRAIN WAS SURVEYED BY HIGH COUNTRY ENGINEERING INC. DURING NOVEMBER AND DECEMBER OF 2015.
- TEMPORARY EROSION CONTROL SHALL BE INSTALLED PER CDOT STANDARD PLAN M-208-1, USING SILT FENCE OR TYPE 1 (12") LOGS AS REQUIRED ALONG THE SHORE LINE OF THE EXISTING GRAVEL PARKING LOT AND ALONG THE LENGTH SETTLEMENT BASIN BERM. THE CONTRACTOR SHALL PERIODICALLY INSPECT AND MAINTAIN ALL TEMPORARY EROSION CONTROL FENCE, AND MAINTAIN LOG BOOKS PER THE COLORADO DEPARTMENT OF HEALTH AND ENVIRONMENT REQUIREMENTS, THROUGHOUT THE DURATION OF THE PROJECT.
- VEHICLE CONTROL PADS SHALL BE INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL PERIODICALLY INSPECT AND MAINTAIN THE VEHICLE TRACKING PAD THROUGHOUT THE DURATION OF THE PROJECT. VEHICLE CONTROL PADS SHALL BE INSTALLED PER CDOT STANDARD PLAN M-208-1 AT ALL INTERSECTIONS OF CONSTRUCTION ACCESS / EGRESS AND PAVED STATE HIGHWAYS, COUNTY ROADS, TOWN ROADS AND PRIVATE ROADS.
- AT THE CONCLUSION OF THE PROJECT, THE CONTRACTOR SHALL RESTORE THE SITE TO THE ORIGINAL PRE-PROJECT CONDITIONS.

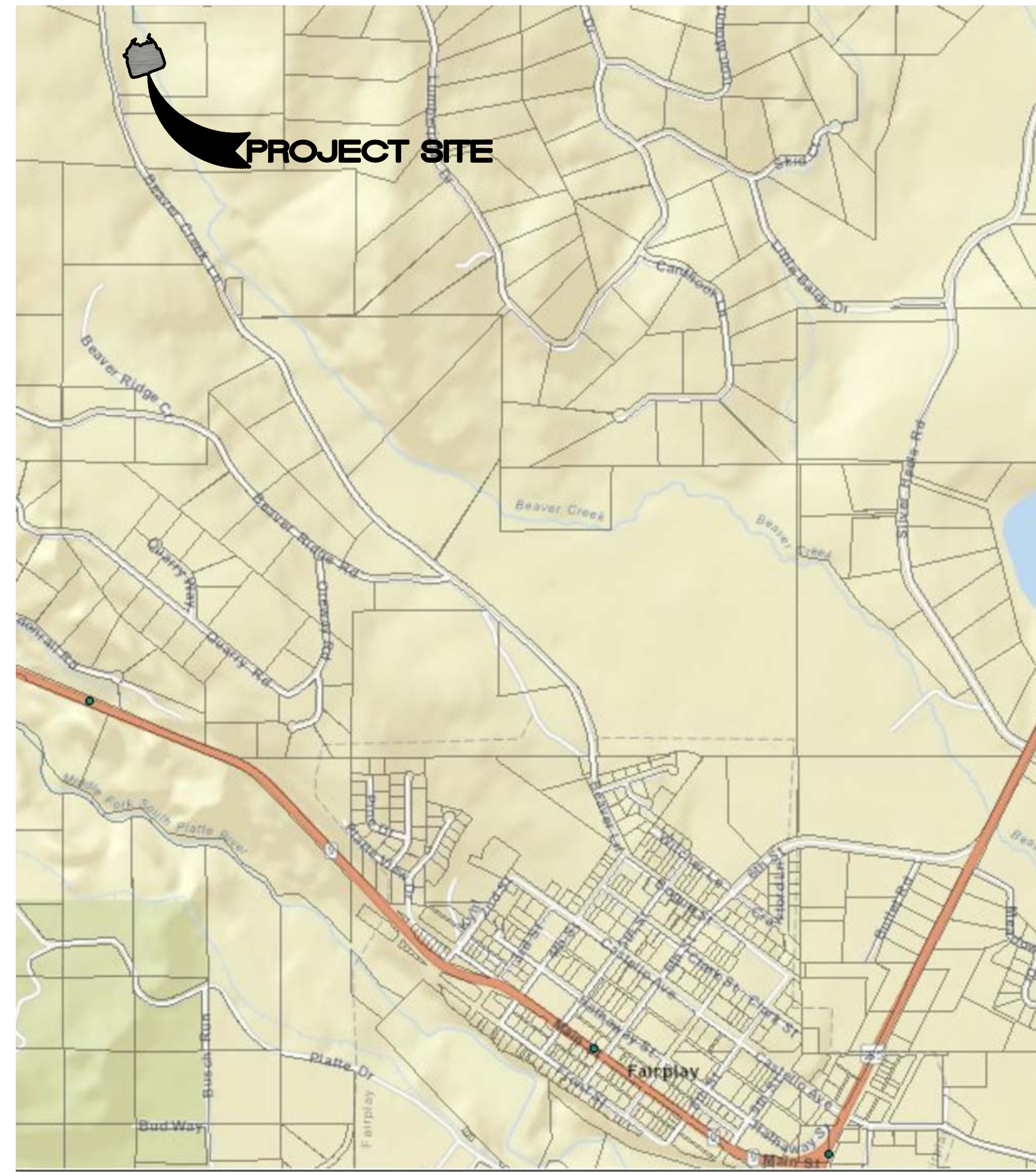
RIVER COBBLE ARMORING / PLACEMENT

- RIVER COBBLE ARMORING STONE SHALL BE A MINIMUM OF 18 INCHES MEASURED AT THE SHORTEST SPOT.

AGGREGATE BASE COURSE

- AGGREGATES FOR BASE SHALL BE CRUSHED STONE, CRUSHED SLAG, CRUSHED GRAVEL, WHICH CONFORMS TO THE QUALITY REQUIREMENTS OF ATM M 147.
- AGGREGATE SHALL CONFORM TO THE GRADATION REQUIREMENTS GIVEN IN THE TABLE BELOW:

CLASS	PERCENTAGE BY WEIGHT PASSING SQUARE MESH SIEVES									
	4"	3"	2 1/2"	2"	1 1/2"	1"	3/4"	No. 4	No. 8	No. 200
1	—	—	100	95-100	—	—	—	30-65	—	3-15
2	100	95-100	—	—	—	—	—	—	—	3-15
6	—	—	—	—	—	—	100	30-65	25-55	3-12



VICINITY MAP

SCALE: 1" = 1000'

SHEET INDEX

SHEET NUMBER

BC 1 T1-01
BC 2 EX-01
BC 3 PP-01
BC 4 DT-01

TITLE

TITLE SHEET
REMOVAL PLAN
PLAN AND PROFILE SHEET
STANDARD DETAILS

UTILITY POT HOING:

- THE CONTRACTOR SHALL LOCATE AND POT HOLE ALL OF THE EXISTING UTILITY LINES WITHIN THE THE WORK ZONE, PRIOR TO CONSTRUCTION.
- THE LOCATIONS AND DEPTHS OF THE THE POT HOLED UTILITIES SHALL BE MAPPED ON AN AS-BUILT SURVEY AND PROVIDED TO THE TOWN OF FAIRPLAY AND THE ENGINEER FOR REVIEW.
- NO FURTHER WORK SHALL BE DONE UNTIL THE TOWN STAFF AND THE ENGINEER HAVE EVALUATED THE AS BUILT UTILITY DATA.
- CONFLICTING UTILITIES MAY NECESSITATE EITHER DELAY OR TERMINATION OF THE PROJECT UNTIL SUITABLE REMEDIES ARE DETERMINED.

SITE DEWATERING:

- THE CONTRACTOR SHALL SCHEDULE THE WORK DURING THE LOW WATER SEASON (TYPICALLY NOVEMBER THROUGH MARCH) TO MINIMIZE WATERING OF THE WORK ZONE.
- THE CONTRACTOR SHALL DEWATER THE WORK ZONE UTILIZING COFFER DAMS AND PUMPS AS NECESSARY TO ENSURE THAT TRENCHING, PIPE PLACEMENT AND BEDDING, BACK FILL AND COMPACTION ARE ACCOMPLISHED UNDER DRY CONDITIONS.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF COFFER DAM TYPE AND LAYOUT PRIOR TO CONSTRUCTION.

REVEGETATION NOTES:

- NATIVE TOP SOIL CONDUCIVE TO REVEGETATIVE GROWTH AND MULCH SHALL BE PLACED ALONG ALL RECONSTRUCTED LEVEE BERMS. THE TOP SOIL SHALL BE SOWN WITH THE GRASS SEED MIX SPECIFIED BELOW.
- ALL SEED MUST BE CERTIFIED WEED FREE. NO SEED CAN CONTAIN ANY SPECIES ON THE PARK COUNTY OR STATE NOXIOUS WEED LISTS.
- PURITY TAGS MUST BE SUBMITTED TO THE THE TOWN OF FAIRPLAY 30 DAYS PRIOR TO INSTALLATION.
- A VIABLE SEEDBED MUST BE PREPARED BY HAND RAKING THE TOP SOIL.
- HYDRO-MULCHING WITH SEEDS SHALL BE APPLIED TO THE DISTURBED AREAS OF THE EMBANKMENT.
- IMMEDIATELY PRIOR TO HYDRO-MULCHING, HAND RAKING IS REQUIRED TO INCORPORATE THE SEED INTO THE SOIL.
- THE SITE MUST BE MULCHED WITH WEED-FREE MULCH AFTER PLANTING. MULCH SHOULD BE APPLIED AT THE RATE OF 2 TONS PER ACRE.
- A PLANTAGO-BASED TACKIFIER OR SIMILAR, APPROVED PRODUCT MUST BE APPLIED ON ALL MULCH AT THE RATE OF 150 LBS. PER ACRE TO PREVENT WIND FROM BLOWING STRAW OFF THE REVEGETATED AREAS.
- SUBSTITUTIONS TO THE RECOMMENDED NATIVE SEED MIX MUST BE APPROVED BY VEGETATION MANAGEMENT PRIOR TO INSTALLATION.

NON-IRRIGATED NATIVE SEED MIX:

COMMON NAME	SCIENTIFIC NAME	PERCENT OF MIX
WESTERN HEXAGRAMS	PASCO SMITH	25
SLENDER HEXAGRAMS	OLYMPUS TRACHEAL	25
BLEB HEXAGRAMS	PSEUDO PLOCATE	10
GREEN EELGRASS	NASSER VIRIDIAN	15
BLUE GRAM	BOUNTEDOUS GRAILS	15
INDIAN RICERS	CHANTER HYMNODIES	10



OWNER:

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ENGINEER:

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ENGINEER'S CERTIFICATION

PREPARED UNDER MY SUPERVISION

THOMAS J. SCOTT, P.E.
COLORADO NO. 39393
FOR AND ON BEHALF OF HIGH COUNTRY ENGINEERING, INC.

