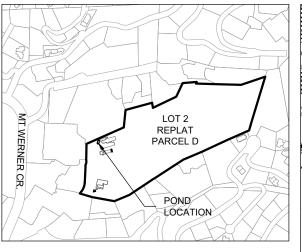
NORTH

WILD BLUE GONDOLA SAND FILTER OWNERSHIP AND MAINTENANCE PLAN

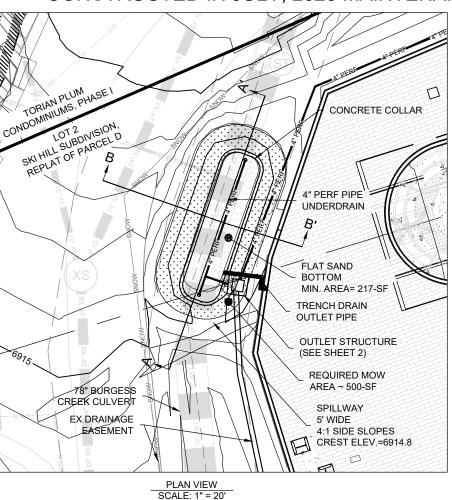
CONSTRUCTED IN JULY, 2023 MAINTENANCE TO BE PERFORMED BY SSRC

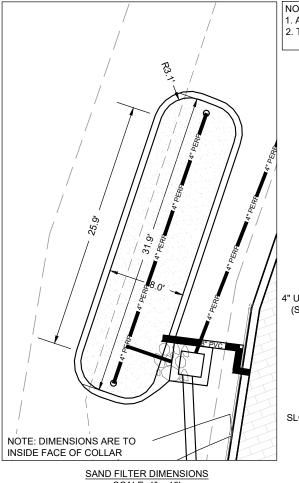


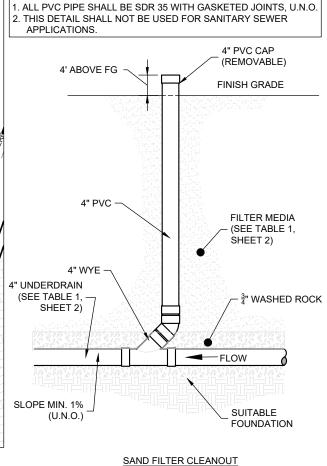
VICINITY MAP SCALE: 1" = 1000'

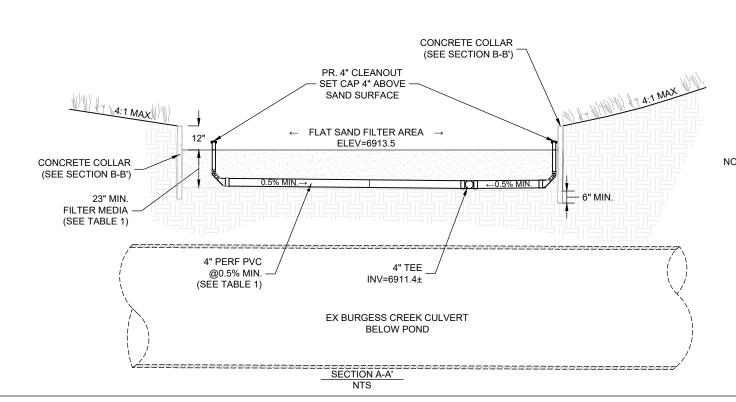
NOTES:

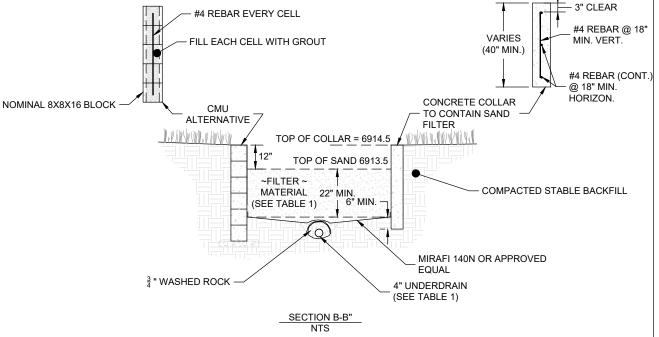
- 1. FOR ADDITIONAL DESIGN INFORMATION REFER TO THE CONSTRUCTION DRAWINGS FOR THIS PROJECT.
- 2. SEE DETAILED NOTES ON THE THIRD SHEET OF THIS PLAN FOR ALL MAINTENANCE REQUIREMENTS.











SURVEYORS

141 9th Street ~ P.O. Box 774943 Steamboat Springs, Colorado 80477 (970) 871-9494 www.LANDMARK-CO. CIVIL ENGINEERS

Steamboat Gondola Relocation

9/15/2023 DATE DRAV

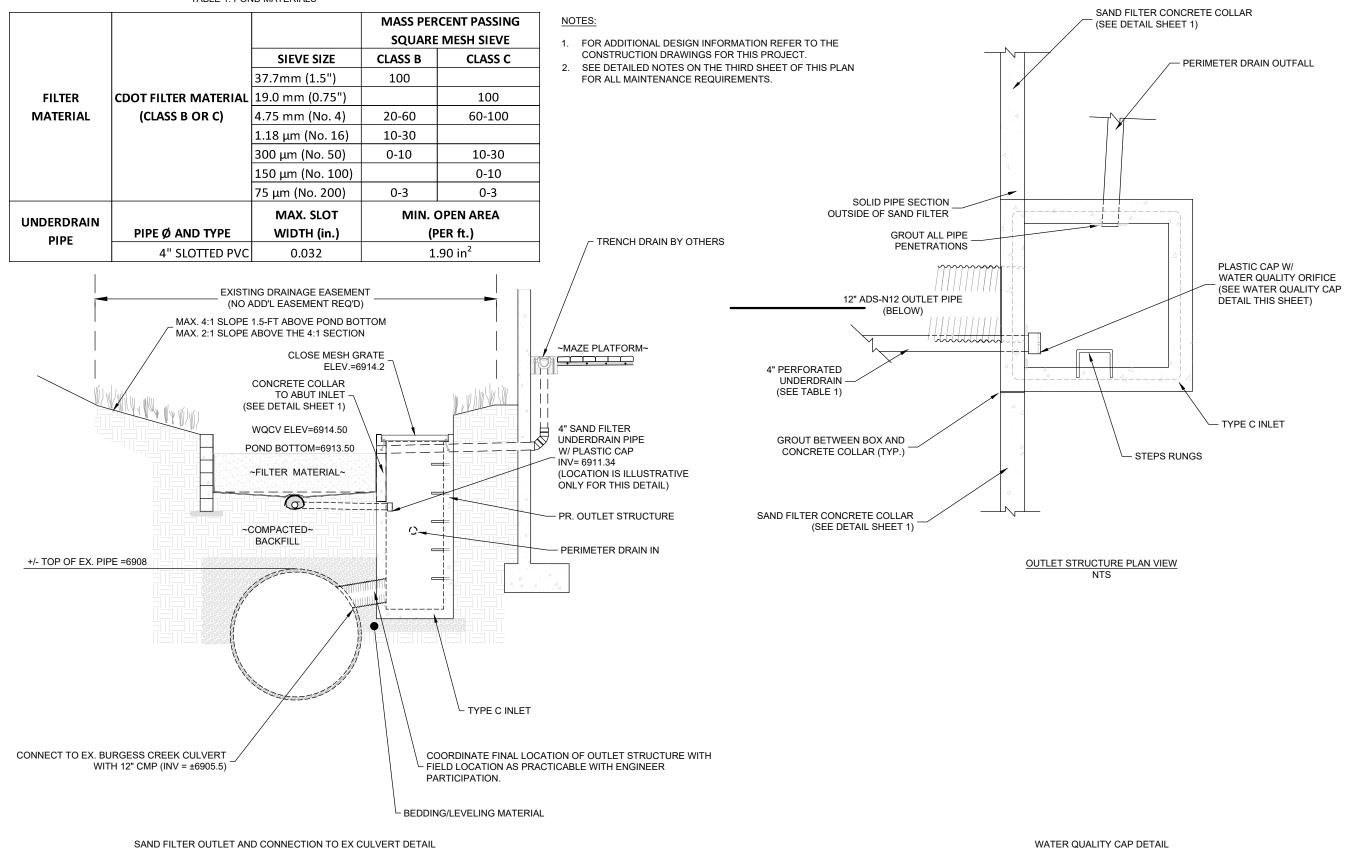
1012-050



WILD BLUE GONDOLA SAND FILTER OWNERSHIP AND MAINTENANCE PLAN

CONSTRUCTED IN JULY, 2023 MAINTENANCE TO BE PERFORMED BY SSRC







Steamboat Gondola Relocation

9/15/2023 1012-050

SHEET Of 3 Sheets

NTS

SAND FILTER OUTLET AND CONNECTION TO EX CULVERT DETAIL NTS

LEGAL DESCRIPTION: LOT D OF THE SKI HILL SUBDIVISION

B. RECEIVING WATER: BURGESS CREEK

C. PROPERTY OWNER: STEAMBOAT SKI AND RESORT COMPANY (SSRC)

CONTACT NAME: JIM SCHNEIDER

ADDRESS: 2305 MT. WERNER CIRCLE, STEAMBOAT SPRINGS, CO

PHONE NUMBER: 970-871-5381

jschneider@steamboat.com

D. AGENCY RESPONSIBLE

80487

80487

FOR MAINTENANCE: STEAMBOAT SKI AND RESORT COMPANY (SSRC)

CONTACT NAME: JIM SCHNEIDER

ADDRESS: 2305 MT. WERNER CIRCLE, STEAMBOAT SPRINGS, CO

PHONE NUMBER: 970-871-5381

EMAIL: jschneider@steamboat.com

E. DESIGN ENGINEER: LANDMARK CONSULTANTS, INC.

CONTACT NAME: DEBORAH SPAUSTAT, P.E.

ADDRESS: 141 9TH STREET, STEAMBOAT SPRINGS, CO

PHONE NUMBER: 970-871-9494

EMAIL: debs@landmark-co.com
PE LICENCE NUMBER: 41286

2. GENERAL FACILITY DESCRIPTION

THIS FACILITY IS A SAND FILTER POND THAT WILL PROVIDE WATER QUALITY TREATMENT FOR THE WATER QUALITY CAPTURE VOLUME (WQCV). THE FACILITY HAS BEEN ADOPTED AND APPROVED BY SSRC AS PART OF THEWILD BLUE GONDOLA] PROJECT. IT WILL RECEIVE RUNOFF FROM 0.40 ACRES AND WILL OCCUPY A PARCEL OF 0.02 ACRES THAT WILL BE USED TO PROVIDE VOLUME BASED WATER QUALITY TREATMENT, MAINTENANCE, & ACCESS OPERATIONAL ACTIVITIES.

3. INSPECTION & MAINTENANCE FREQUENCY & PROCEDURE

A. THE FOLLOWING ITEMS SHOULD BE INSPECTED

TABLE 2: MAINTENANCE ACTIVITY/FREQUENCY				
ACTIVITY	REQUIRED FREQUENCY			
INSPECTION TO CONFIRM INFILTRATION RATE AFTER RAINFALL; MAINTAIN AS NECESSARY. DEBRIS AND LITTER REMOVAL	TWICE ANNUALLY. ONE TIME TO OCCUR IN SPRING AFTER SNOWMELT FROM CONTRIBUTING BASIN IS COMPLETE. AS NEEDED TO MAINTAIN VEGETATIVE HEALTH			
MOWING, IRRIGATION				
INSPECTION OF UNDERDRAIN VIA CLEAN-OUT; REMOVE SEDIMENT/DEBRIS IF PRESENT	WHEN PONDING LASTS LONGER THAN 24 HOURS			
SCARIFY TOP 2" OF SAND WITH RAKE	WHEN PONDING LASTS LONGER THAN 24 HOURS AND UNDERDRAIN IS NOT CLOGGED			
REPLENISH TOP 3" OF FILTER MEDIA WITH CLEAN COARSE SAND (AASHTO C-33 OR CDOT CLASS C FILTER MEDIA) TO THE ORIGINAL ELEVATION	AFTER SCARIFICATION 3 TIMES			
SEDIMENT REMOVAL AND REPLACEMENT OF MEDIA. SEE TABLE 1 ON SHEET 1 FOR MEDIA SPECIFICATIONS.	WHEN PONDING LASTS 24 HOURS, UNDERDRAIN IS NOT CLOGGED AND SCARIFICATION DOES NOT RESTORE INFILTRATION			

B. REVISIONS TO MAINTENANCE FREQUENCY

C. TRAFFIC CONTROL: NONE

D. THE FACILITY DOES NOT NOT REQUIRE CONFINED SPACE ENTRY PROCEDURES.

E. DEWATERING AND WATER CONTROL: NA

F. SEDIMENT, DEBRIS, & TRASH REMOVAL & DISPOSAL: REMOVAL SHALL BE CONDUCTED IF THERE IS PRESENCE OF TRASH OR DEBRIS AT INSPECTION. SEDIMENT AND DEBRIS SHALL BE REMOVED MANUALLY USING A SHOVEL OR RAKE AND DISPOSED OF AT A LICENSED FACILITY. THE LONGEST DISTANCE BETWEEN THE EDGE OF AN ACCESS ROAD AND THE FAR CORNER OF A STRUCTURE REQUIRING SEDIMENT REMOVAL IS [X] FEET.

G. VEGETATION MANAGEMENT

SEE SECTION 4 OF THE NOTES ON THIS SHEET.

H. WETLAND AREAS ARE NOT ANTICIPATED.
SEE SECTION 8.0 OF THE NOTES ON THIS SHEET.

I. DESCRIBE ADDITIONAL REQUIRED MAINTENANCE PROCEDURES AND FREQUENCIES.-NA SEE TABLE 1

J. MATERIALS TESTING OF SEDIMENT REMOVED FROM SITE IS NOT REQUIRED.

4. EQUIPMENT, STAFFING, AND VEGETATION MANAGEMENT

- A. EQUIPMENT REQUIRED: MAY INCLUDE BUT IS NOT LIMITED TO MOWERS, PUMPS, HOSES, SHOVELS, BUCKETS, RAKES, EXCAVATORS [NOTE REACH REQ'D], WEED KILLERS, GENERATORS, SPRAYERS, DATA LOG/INSPECTION REPORTS.
- B. STAFFING: A MINIMUM OF 1 STAFF MEMBER IS REQUIRED TO MAINTAIN TREATMENT
- C. SEED: [X] SEED MIXES HAVE BEEN PLANTED AT THE SITE. THE [NAME OF SEED MIX, TYPICALLY UPLAND, RIPARIAN, WETLAND, ETC.] SEED MIX HAS BEEN PLANTED [DESCRIBE LOCATION]. [REPEAT AS NECESSARY TO DESCRIBE ALL MIXES.] [THE INVERT OF THE LOW FLOW CHANNEL SHALL REMAIN UNDISTURBED.] SEED MIXES ARE AS FOLLOWS:

BOTANICAL NAME COMMON NAME LBS PURE LIVE SEED/AC

[SEED MIX NAME]:

Xxxxx xxxxxxxxxx Xxxxxx Xxxxxx

[REPEAT AS NECESSARY TO INCLUDE ALL MIX SPECIES]

[REPEAT AS NECESSARY TO INCLUDE ALL MIXES IF NOT CITY STANDARD SPECIFICATION]

[DESCRIBE HOW TO REPLACE SEED AND OTHER VEGETATION IF NECESSARY.]

- D. MOWING: THE SIDE SLOPES ABOVE THE SAND FILTER AND BELOW THE TOP OF POND SHALL BE MOWED TO A HEIGHT OF 6 INCHES. AT COMPLETION OF CONSTRUCTION, REQUIRED MOW AREA WAS ESTIMATED TO BE 500 SQUARE FEET.
- E. WEEDS & UNDESIRABLE VEGETATION: NOXIOUS WEEDS AND OTHER UNDESIRABLE VEGETATION SHALL BE REMOVED BY MOWING.

5. SNOW AND ICE CONTROL

A. FACILITY IS NOT LOCATED WITHIN A SNOW STORAGE AREA.

6. RIGHT-OF-WAY, ADJACENT OWNERSHIP, & ACCESS

A. RIGHT-OF-WAY DESCRIPTION: N/A

B. ADJACENT OWNERSHIP: N/A

- C. ACCESS INFORMATION AND DETAILS: THE FACILITY IS ACCESSED VIA THE SKI AREA ACCESS ROAD ADJACENT TO THE DAYLIGHTED BURGESS CREEK.
- D. MAINTENANCE OPERATIONS WILL NOT IMPACT OR OBSTRUCT RIGHT-OF-WAY AND A RIGHT-OF-WAY PERMIT IS NOT REQUIRED.

7. HYDRAULIC DESIGN

A. FLOW RATES (CFS):

	INFLOW	OUTFLOW
BASE FLOW:	NA	NA
WQ EVENT:	NA	NA
2-YEAR:	0.68-CFS	NA
100-YEAR:	2.03-CFS	NA

B. VOLUMES, DEPTHS, & WSELS

<u>ITEM</u>	VOLUME	WSEL	<u>DEPTH</u>	ELEVATION
SAND FILTER TOP	NA	NA	NA	6913.5
4" PERF PIPE OUTLET INV.	NA	NA	NA	6911.3
SPILLWAY	NA	NA	0.5-FT	6914.8
WQCV	269-SF	6914.5	1.0-FT	NA

OUTEL OW

C. WQCV DRAIN TIME = 12 HOURS EURV DRAIN TIME = NA

8. SENSITIVE AREAS, WETLANDS, & PERMITS

THE SITE HAS NO KNOWN WETLANDS.

9. MISCELLANEOUS INFORMATION

A. PROJECT SURVEY:

EXISTING CONDITIONS AND TOPOGRAPHIC INFORMATION PER CITY GIS DATA AND SUPPLEMENTED WITH LANDMARK CONSULTANTS, INC. ARCHIVED SURVEY FIELD DATA .

PROJECT BENCHMARK: "X" ON CONCRETE COLLAR OF INLET STRUCTURE, ELEV=6910.60', NAVD 88.

B. COORDINATE SYSTEM: THE COORDINATE SYSTEM IS COLORADO COORDINATE SYSTEM, NORTH ZONE, NAD83 (2011), NAVD88, COMBINE SCALE FACTOR: (N)1415866.11(E)2636677.13, 1.000368966. CIVIL ENGINE

SURVEYORS



Inese drawings are instruments service provided by Landma Consultants, Inc. and are not to used for any type of construction contracting unless signed and seale by a Professional Engineer in themploy of Landmark Consultants, Ir

Wild Blue Gondola
OWNERSHIP AND
MAINTENENCE PLAN
NOTES

PROJECT: 1012-050

DATE: 9/15/2023

DRAWN BY: DCS

CHECKED BY: CI

SHEET 3

Of 3 Sheets