

# WILD BLUE GONDOLA

## SAND FILTER OWNERSHIP AND MAINTENANCE PLAN CONSTRUCTED IN [MONTH, YEAR], MAINTENANCE TO BE PERFORMED BY SSRC

#### 1. GENERAL PROJECT INFORMATION

2305 MT WERNER CIRCLE, STEAMBOAT SPRINGS, CO

LEGAL DESCRIPTION: LOT D OF THE SKI HILL SUBDIVISION

B. RECEIVING WATER: BURGESS CREEK

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

JIM SCHNEIDER CONTACT NAME:

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.

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 GONDOLAJ 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.		
MOWING, IRRIGATION	AS NEEDED TO MAINTAIN VEGETATIVE HEALTH		
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.

F 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 LISING 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: IXI SEED MIXES HAVE BEEN PLANTED AT THE SITE. THE INAME 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:

**COMMON NAME** LBS PURE LIVE SEED/AC **BOTANICAL NAME** 

**ISEED MIX NAME1:** 

Xxxxx xxxxxxxxxxx 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	<u>WSEL</u>	<u>DEPTH</u>	INVER
SAND FILTER TOP	NA	NA	NA	6914.9
4" PERF PIPE OUTLET	NA	NA	NA	6912.3
SPILLWAY	NA	NA	0.5-FT	6915.9
WQCV	269-SF	6915.3	0.4-FT	NA

OUTELOW

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

#### 8. SENSITIVE AREAS, WETLANDS, & PERMITS

THE SITE HAS NO KNOWN WETI ANDS

#### 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

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.

SURVEYORS



AND : PLAN OWNERSHIP A MAINTENENCE F NOTES

Wild Blue

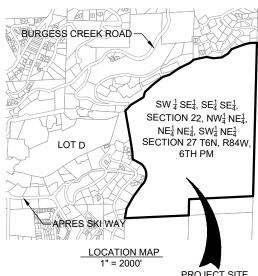
1012-050 12/2/2021

SHEET

Of 2 Sheets

# NORTH

# WILD BLUE GONDOLA LEVEL SPREADER OWNERSHIP AND MAINTENANCE PLAN CONSTRUCTED IN [MONTH, YEAR], MAINTENANCE TO BE PERFORMED BY SSRC



# PROJECT SITE

#### NOTES:

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

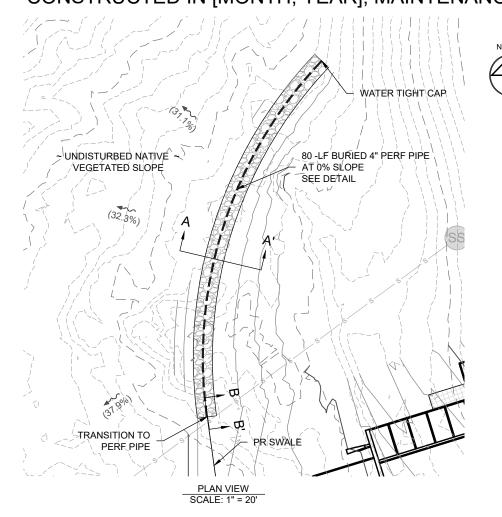
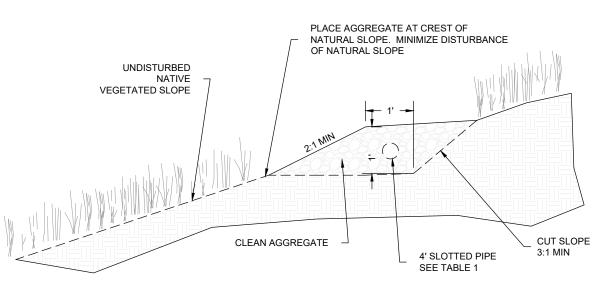
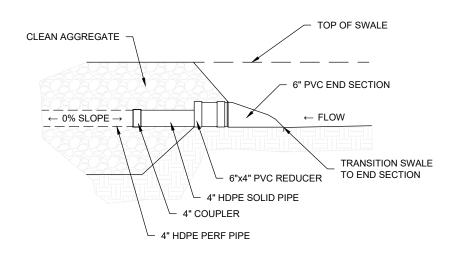


TABLE 1: MATERIALS			
LEVEL SPREADER	PIPE Ø AND TYPE	MAX SLOT WIDTH (IN.)	MIN. OPEN AREA (PER FT.)
PIPE	4" SLOTTED PVC	0.0320	1.90 in



SECTION A-A'



SECTION B-B'

Steamboat Gondola Relocation

1012-050 12/6/2021



# WILD BLUE GONDOLA

# LEVEL SPREADER OWNERSHIP AND MAINTENANCE PLAN

### CONSTRUCTED IN [MONTH, YEAR], MAINTENANCE TO BE PERFORMED BY SSRC

#### 1. GENERAL PROJECT INFORMATION

ADDRESS: 2305 MT WERNER CIRCLE, STEAMBOAT SPRINGS, CO

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

80487

PHONE NUMBER: 970-871-5381

EMAIL: jschneider@steamboat.com

D. AGENCY RESPONSIBLE

FOR MAINTENANCE: STEAMBOAT SKI AND RESORT COMPANY (SSRC)

CONTACT NAME: JIM SCHNEIDER

ADDRESS: 2305 MT\_WERNER CIRCLE\_STEAMBOAT SPRINGS\_CO

2305 MT. WER

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 LEVEL SPREADER THAT WILL PROVIDE WATER QUALITY TREATMENT FOR USING RUNOFF REDUCTION. THE FACILITY HAS BEEN ADOPTED AND APPROVED BY SSRC AS PART OF THEWILD BLUE GONDOLAJ PROJECT. IT WILL RECEIVE RUNOFF FROM 1.39 ACRES AND WILL OCCUPY A PARCEL OF 0.02 ACRES THAT WILL BE USED TO PROVIDE DISTRIBUTION TO CONCENTRATED RUNOFF FLOW, MAINTENANCE, & ACCESS OPERATIONAL ACTIVITIES.

#### 3. INSPECTION & MAINTENANCE FREQUENCY & PROCEDURE

A. THE FOLLOWING ITEMS SHOULD BE INSPECTED

TABLE 1: MAINTENANCE ACTIVITY/FREQUENCY		
ACTIVITY	REQUIRED FREQUENCY	
INSPECTION OF AGGREGATE AND PIPE TO ENSURE SYSTEM IS NOT CLOGGED AND PIPE IS LEVEL	TWICE ANNUALLY. ONE TIME TO OCCUR IN SPRING AFTER SNOWMELT FROM CONTRIBUTING BASIN IS COMPLETE.	
REMOVAL OF TRASH AND DEBRIS FROM AGGREGATE AND AT END SECTION	WHEN PRESENT AT INSPECTION	
REMOVE END CAP AND JET OUT PIPE	WHEN CLOGGING IS DETECTED	
REPLENISH AGGREGATE TO DEPTH OF 1'	WHEN DEPTH OF AGGREGATE IS LESS THAN 10" OR PIPE IS EXPOSED.	
VISUALLY INSPECT OR USE SURVEYS LEVEL TO ENSURE PIPE IS AT A 0% SLOPE	AT TWICE ANNUAL INSPECTION.	
REPLACE 4" PERF PIPE	WHEN PIPE IS CRACKED OR BROCKEN OR OTHERWISE DETERIORATED	

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 115 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 PUMPS, HOSES, SHOVELS, BUCKETS, RAKES, EXCAVATORS [NOTE REACH REQ'D],, GENERATORS, SPRAYERS, DATA LOG/INSPECTION REPORTS.
- B. STAFFING: A MINIMUM OF 1 STAFF MEMBER IS REQUIRED TO MAINTAIN TREATMENT FACILITY

SEED: NO SEED MIXES HAVE BEEN PLANTED AT THE SITE.

- C. MOWING: NONE REQUIRED.
- D. WEEDS & UNDESIRABLE VEGETATION: NOXIOUS WEEDS AND OTHER UNDESIRABLE VEGETATION SHALL BE REMOVED BY- NA.

#### 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 FROM THE THUNDERHEAD EXPRESS LIFT.
- 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:
 1.88-CFS
 NA

 100-YEAR:
 5.81-CFS
 NA

B. VOLUMES, DEPTHS, & WSELS:

 ITEM
 VOLUME
 WSEL
 DEPTH
 INVERT

 NA
 NA
 NA
 NA
 NA

C. WQCV DRAIN TIME = NA 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.



1 9th Street ~ P.O. Bo

SURVEYORS



service provided by Landmark Consultants, inc. and are not to be used for any type of construction or contracting unless signed and sealed by a Professional Engineer in the employ of Landmark Consultants, Inc.

> OWNERSHIP AND MAINTENENCE PLAN NOTES

Wild Blue

PROJECT: 1012-050

DATE: 12/6/2021

DRAWN BY: DCS

CHECKED BY: C:

SHEET 2

Of 2 Sheets