HUMBOLD" COUNTY DEPARTMENT OF PUBLIC WORKS ROAD EVALUATION REPORT

PART A: Po	art A may be completed by the applicant						
Applicant Nan	me: Bob Howard	APN: 223-044-003-000					
Planning & E	Building Department Case/File No.: 11911	(0					
Road Name:	REED RANCH ROAD	(complete a separate form for each road)					
From Road (Cross street): BENBOW DR.						
To Road (Cro	oss street): REED RANCH DOAD						
Length of roa	ad segment: 2	miles Date Inspected: 7-26-18					
	(State, Forest Service, N	National Park, State Park, BLM, Private, Tribal, etc)					
Check one of	the following:						
Box 1	The entire road segment is developed to Category 4 road standards (20 feet wide) or better. If checked, then the road is adequate for the proposed use without further review by the applicant.						
Box 2	The entire road segment is developed to the equivalent of a road category 4 standard. If checked, then the road is adequate for the proposed use without further review by the applicant.						
	width, but has pinch points which narrow the one-lane bridges, trees, large rock outcroppi	efined as a roadway that is generally 20 feet in e road. Pinch points include, but are not limited to, ings, culverts, etc. Pinch points must provide ehicles through the pinch point which allows the ot wide section of the road for the other vehicle to					
Box 3	The entire road segment is not developed to a may or may not be able to accommodate the Part B is to be completed by a Civil Engineer	the equivalent of road category 4 or better. The road proposed use and further evaluation is necessary. r licensed by the State of California.					
The statement measuring the		en made by me after personally inspecting and					
75.1		7-26-18					
Signature	4	Date					
BoB Name Printed	HOWARD	(REntra)					
Important: Read	the instructions before using this form. If you have questions, pl	lease call the Dept. of Public Works Land Use Division at 707,445,7205.					



PACIFIC WATERSHED ASSOCIATES INC.

P.O. Box 4433 • Arcata, CA 95518-4433 Phone 707-839-5130 • Fax 707-839-8168 www.pacificwatershed.com

October 31, 2018

Humboldt County Building and Planning Department 3015 H Street Eureka, California 95501

Re: Information that relates to road improvements on Reed Mountain Road, Bendbow, Humboldt County, California.

This letter serves to provide you with information pertaining to the United States Fish and Wildlife Service (USFWS) and the California Department of Fish and Game (CDFG) grant funded road improvement projects implemented on roads under ownership of Bob Howard in 2003 under the Reed Mountain Watershed Restoration Project.

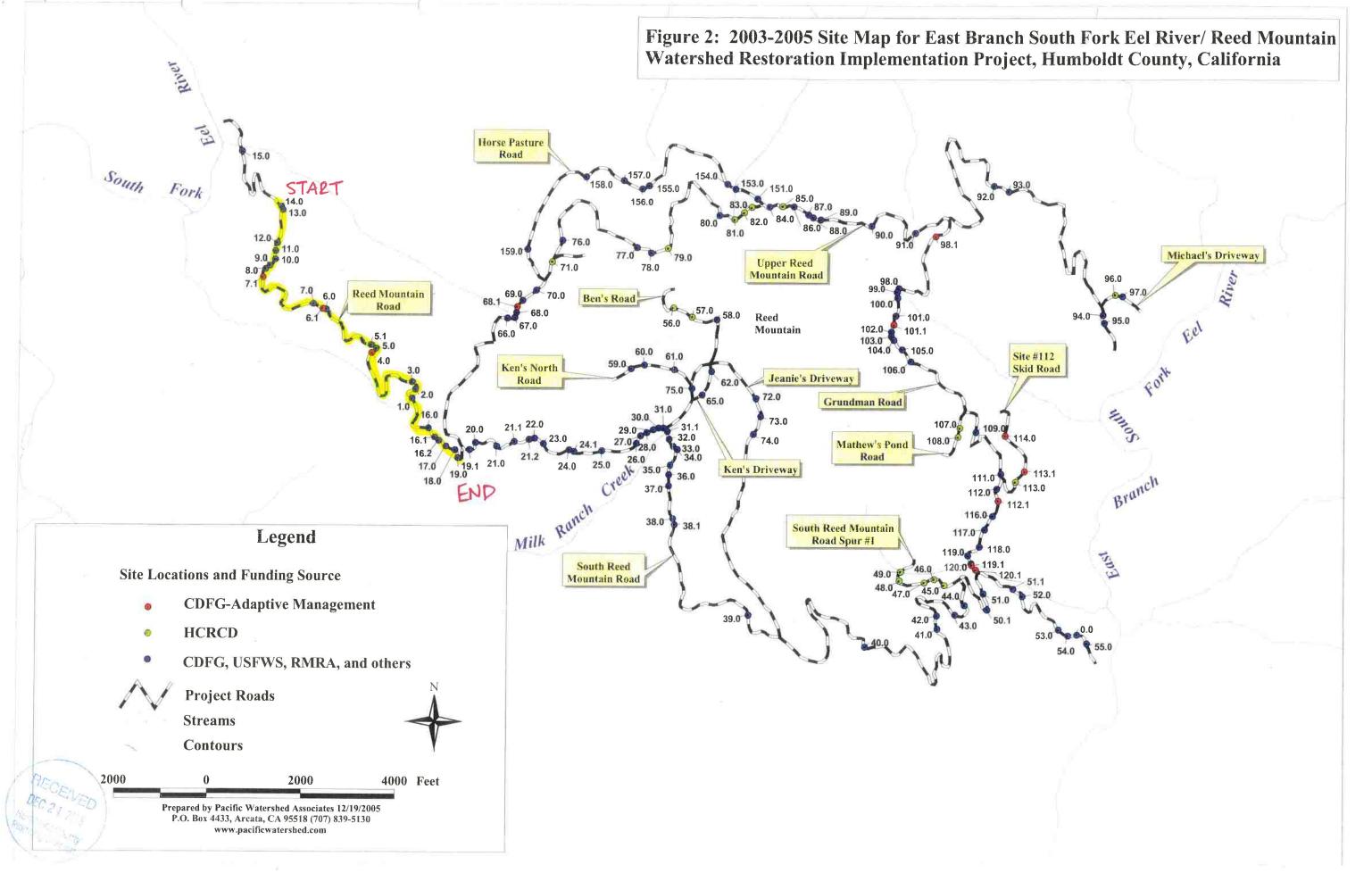
An upland sediment source assessment of Reed Mountain Road was conducted by Pacific Watershed Associates (PWA) in 2001. The assessment outcome included a prioritized action plan to storm proof all sediment source sites and reduce road related sediment delivery to the South Fork Eel River Watershed (Figure 1). The objective of the implementation project was to protect and improve salmonid habitat by reducing road related erosion by storm proofing all potential sediment source locations including the road surface. A total of 147 sites were implemented within the plan, 22 of which are located within the ownership of Bob Howard (See Figure 2 and As-Built Road Logs). The plan was implemented with 2002 grand funds from CDFG (Contract #P0210515) and USFWS (Agreement #113313J151). All treated sites (stream crossings, ditch relief culverts, gullies, and landslides) were designed and constructed according to the standards provided in the "Handbook for Forest and Rural Roads," (Weaver and Hagans, 1994), and the California Salmonid Stream Habitat Manual, Part II (Reynolds and Flosi, 1994). Stream crossings were re-constructed to accommodate 100-year stream flows and associated debris. Methods for determining the 100-year design discharge include either the Rational Method, USGS Magnitude or Frequency Method, or Flow Transference Method. Additionally, photo points were established at all work sites where before and after photos were taken. These photo points provide an opportunity for long-term effectiveness monitoring. CDFG contract manager, Allan Renger and USFWS contract manager, Paula Golightly, conducted a final field inspection of the project area in 2005 and concluded that all project sites are functioning well as designed and implemented and no sediment delivery was observed.

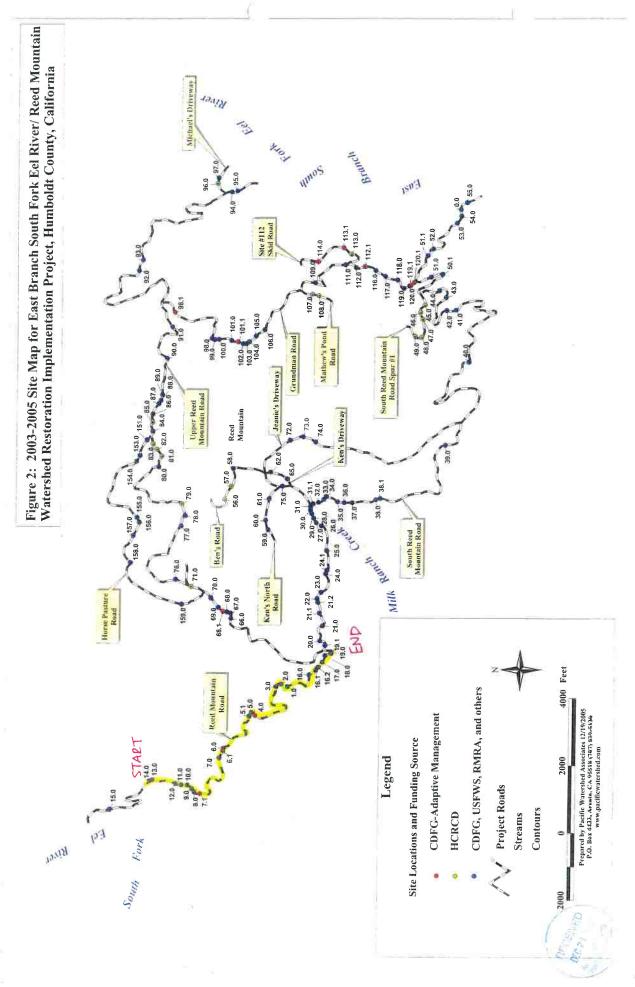
If you have any further questions, or would like additional detail on the scope of the project work, please contact me at 707-839-5130.

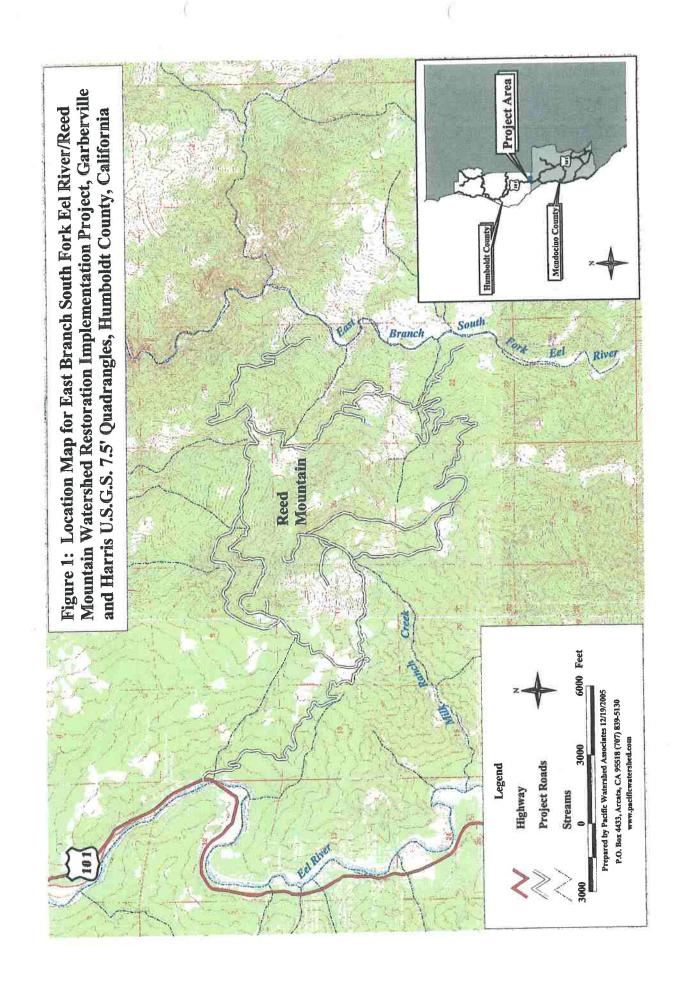
Sincerely,

PACIFIC WATERSHED ASSOCIATES INC.

Courtney Sundberg, Staff Geologist







Miles	Site# Tmt ¹		CMP Needs	Rock Needs	
pulling fil	Install ditch l onto road be	ed to outslope the Remove bern	SR# = Inslope road with 3% grade; OSR# = Outslope road with 3% grade e road and keep the ditch; OSR-FD# = Outslope road by pulling fill onto a and sidecast; RB-Pull# = Remove berm by pulling fill onto the road and dip; RD# = Install rolling dip; DD# Define ditch.		
0.0		T	Start at intersection with old highway.		
0.092	***************************************		End of pavement.		
0.124		And the second s	Gate.		The second secon
0.153	15		Center of flat car bridge. No treatment at bridge.		
0,177		Start OSR-FD #1	Start outslope road by pulling fill onto road bed to outslope the road and fill the ditch.		130 yds ³ road rock (from start to end OSR-FD #1)
0.177		RD #1	Install a rolling dip that drains road and ditch to outboard side of road.		
0.219		RD #2	Install a rolling dip to drain road and ditch into swale at outboard edge.		
0.261		RD #3	Install a rolling dip to drain road and ditch.		and the state of t
0,298		RD #4	Install a rolling dip to drain road and ditch.		
0.331		RD #5	Install a rolling dip to drain road and ditch.		phan magazaan/gotali-aksis-assassayyemaksis
0.382		RD #6	Install a rolling dip to drain road and ditch. Make sure dip captures any flow from small gully on hillslope.		negale incomment contracts in the contract of
0.426	an farmeran (m.) Indica de cultura de cido	RD #7	Install a rolling dip to drain road and ditch.		
0.453		End OSR- FD# 1	End outslope road by pulling fill onto road bed to outslope the road and fill the ditch.		
0.539		RD #9	Install a rolling dip to drain road and ditch.		15 yds ³ road rock
0.579		RD #10	Install a rolling dip to drain road only.		15 yds ³ road rock
0.625		RD #11	Install a rolling dip to drain road and ditch.		15 yds ³ road rock
0.654	14		Spring and small gully on hillslope. Install 18" x 40' plastic ditch relief culvert. Clean ditch for 50' above culvert.	18" x 40' PVC	15 yds ³ road rock
0.663	13	culvert.		30" x 60' CMP, 2 bands	15 yds ³ or 0.5-1.5' diameter mixed rip rap & 20 yds ³ of road rock

Pacific Watershed Associates - P.O. Box 4433 - Arcata, CA 95518 - (707) 839-5130

Miles	PWA Site#	Road Tmt ¹	Humboldt County, California Comments/Treatment	CMP Needs	Rock Needs
pulling fil	onto road be	ed to outslope the	SR# = Inslope road with 3% grade; OSR# = Outslope road with 3% grade e road and keep the ditch; OSR-FD# = Outslope road by pulling fill onto and sidecast; RB-Pull# = Remove berm by pulling fill onto the road and dip; RD# = Install rolling dip; DD# Define ditch.		ad or hauling to
0.879		End OSR- KD #1 & Start OSR-FD #2	End outslope road by removing berm and pulling onto the road and keep the ditch and start outslope road by removing berm and pulling onto the road and fill the ditch.		240 yds ³ road rock (from start to end OSR-FD #2)
0.922		RD #14	Install a rolling dip that drains road only. Really super outslope.		ayan ayan ayan ayan ayan baran ayan ayan baran ayan baran ayan baran ayan baran ayan baran ayan baran ayan bar
0.943		RD #15	Install a rolling dip to drain road only.		
1.001		RD #16	Install a rolling dip to drain road only.		ateur estigajunistista kirkakis universita masik hanne ha
1.046		RD #17	Install a rolling dip that drains road only, toward inside bend of road. Really super outslope road.	angung i dymin ydawnang, ada strantiagonal da anglosty	
1.129	CANADA PARAMA PA	RD #19	Install a rolling dip to drain road only.		-
1.191		RD #20	Install a rolling dip to drain road only.	to and the Contract of the State of the Stat	
1.234		RD #21	Install a rolling dip to drain road only.		
1.272		RD #22	Install a rolling dip to drain road only.		historia e rippos frainciai estados procesas estados estados estados fraincias estados fraincias de como de proc
1.306	***************************************	RD #23	Install a rolling dip to drain road only.	en andreasy productive investigation to the second of the	
1.378		RD #24	Install a rolling dip to drain road only.		
1.390		End OSR-FD #2	End outslope road by removing berm and pulling onto he road and fill the ditch.		
1.395			Rock pit on left.		and the same of th
1.402	7	RD #26	Install a rolling dip to drain road and ditch. Armor outboard fill face with 15 yds ³ of rip-rap.		15 yds ³ of 0.5-1.5' diameter mixed rip rap & 15 yds ³ road rock
1.422	6.1		Excavate unstable slope above channel downstream of BOT flag, on right bank 35' x 3' x 10' = 39 yds ³ . Use spoils to help fill ditches.		icaning biological participation (material participation p
1.429	6	CD #6	Culverted 24" stream crossing. Excavate from TOP to BOT. Install 36" x 60' CMP at the base of the fill. Install a single post trash rack 36" above the new inlet. Install a critical dip on right hinge line. Place 20 yds ³ of 0.5-1.5' mixed diameter rip-rap on fillslope below the critical dip.	36" x 60' CMP, 2 bands	20 yds ³ o 0,5-1.5' diameter mixed rip rap & 20 yds ³ road rock

Pacific Watershed Associates - P.O. Box 4433 - Arcata, CA 95518 - (707) 839-5130

Miles	PWA Site#	Road Tmt ¹	Humboldt County, California Comments/Treatment	CMP Needs	Rock Needs
pulling fil	I install ditch I onto road be	relief culvert; Is ed to outslope the	SR# = Inslope road with 3% grade; OSR# = Outslope road with 3% grade e road and keep the ditch; OSR-FD# = Outslope road by pulling fill onto a and sidecast; RB-Pull# = Remove berm by pulling fill onto the road and odip; RD# = Install rolling dip; DD# Define ditch.		
1.825		RD #34	Install a rolling dip to drain road only.	namental de la companie de la compa	
1.826 End End outslope room OSR-FD outslope the roam road by pulling			End outslope road by pulling fill onto road bed to outslope the road and fill the ditch and start outslope road by pulling fill onto road bed to outslope the road and keep the ditch.		63 yds ³ road rock (from start to end OSR-KD #2)
1.826		And the state of t	Intersection with downhill driveway on right.	-	
1.826		DRC#1	Install an 18" x 80' plastic ditch relief culvert to outlet just below driveway on the right.	18" x 80' PVC, 3 bands	
1.855		RD #35	Install a rolling dip to drain road only.	ale alegado de la composição de la compo	
1.888	age and a second results	DRC #2	Spring/seeping cutbank. Install an 18" x 40' plastic ditch relief culvert.	18" x 40' PVC	
1.888		RD #36	Install a rolling dip that drains road only.		
1,960		RD #37	Install a rolling dip that drains road and ditch.	Annual State of the State of th	
1.960	and the second s	End OSR- KD #2 & Start OSR-FD #5	End outslope road by pulling fill onto road bed to outslope the road and keep the ditch and start outslope road by pulling fill onto road bed to outslope the road and fill the ditch.		104 yds ³ road rock (from start to end OSR-FD #5)
1.960		RD #38	Install a rolling dip that drains road and ditch. Really super outslope on bend.		
1.983	<u> </u>	RD #39	Install a rolling dip that drains road and ditch.		THE PERSON NAMED OF THE PE
2.024		RD #40	Install a rolling dip that drains road and ditch.	Total intermited in the second	
2.059		RD #41	Install a rolling dip that drains road and ditch.		***
2.094		RD #42	Install a rolling dip that drains road and ditch.		
2.121		RD #43	Install a rolling dip that drains road and ditch.	24" x 50'	
2.158	3	CD #8	Culverted stream crossing with 8" and 12" culverts. Excavate from top to bottom. Install 24" x 50' plastic culvert at base of fill. Excavate 4' wide channel bottom and lay back side slopes to 2:1 from top to new inlet. Install a critical dip to left hinge line. Install a single post trash rack 24" above new inlet.	PVC	
2.182		End OSR-FD #5	End outslope road by pulling fill onto road bed to outslope the road and fill the ditch.		
2.211	2	CD #9	Culverted 8" stream crossing. Excavate firm top to bottom. Install 24" x 50' plastic culvert at the base of	24" x 50'	15 yds ³ o 0.25-1.0'

Pacific Watershed Associates - P.O. Box 4433 - Arcata, CA 95518 - (707) 839-5130

Road Log of "As Built" Treatments for Reed Mountain Road, East Branch South Fork Eel River, Humboldt County, California							
Miles	PWA Site#	Road Tmt ¹	Comments/Treatment	CMP Needs	Rock Needs		
pulling fill	l onto road bec ch. RB-side#=	i to outslope th = Remove benn	SR# = Inslope road with 3% grade; OSR# = Outslope road with 3% grade to road and keep the ditch; OSR-FD# = Outslope road by pulling fill onto and sidecast; RB-Pull# = Remove berm by pulling fill onto the road and dip; RD# = Install rolling dip; DD# Define ditch.	road bed to outsi	ope the road and		
2.575	gant i keran Emelada en rekalam rekalam i	Start OSR- KD #3	Start outslope road by pulling fill onto road bed to outslope the road and keep the ditch.		16 yds ³ road rock (from start to end OSR-KD #3)		
2.599	18		12" ditch relief culvert. Replace with an 18" x 60' plastic ditch relief culvert.	18" x 60' PVC			
2.610		End OSR- KD #3 & Start OSR-FD #7	End outslope road by pulling fill onto road bed to outslope the road and keep the ditch an start outslope road by pulling fill onto road bed to outslope the road and fill the ditch.		24 yds ³ road rock (from start to end OSR-FD #7)		
2.615	<u></u>	RD #52	Install a rolling dip to drain road and ditch.				
2.642	**************************************	RD #53	Install a rolling dip to drain road and ditch.				
2.661	19	dy y diagram ja	18" ditch relief culvert with large gully at the outlet. Replace with 18" x 30' plastic ditch relief culvert, moving inlet in about 3'.	18" x 40' PVC			
2.661			Intersection with South Reed Mountain Road on right.				

Miles	PWA Site#	Road Tmt ¹	Comments/Treatment	CMP Needs	Rock Needs
pulling fil	l onto road be	d to outslope the Remove berm	SR# = Inslope road with 3% grade; OSR# = Outslope road with 3% grace road and keep the ditch; OSR-FD# = Outslope road by pulling fill onto and sidecast; RB-Pull# = Remove berm by pulling fill onto the road and dip; RD# = Install rolling dip; DD# Define ditch.	o road bed to outs	ope the road and oad or hauling to
2.661		End OSR-FD #7 & Start OSR-KD #4	End outslope road by pulling fill onto road bed to outslope the road and fill the ditch an start outslope road by pulling fill onto road bed to outslope the road and keep the ditch.		214 yds ³ road rock (from star to end OSR-KD #4)
2.689		RD #54	Install a rolling dip to drain road only.		
2.726	**************************************	RD #55	Install a rolling dip to drain road and ditch.		
2.762		RD #56	Install a rolling dip to drain road and ditch.		
2.799	1	RD #57	Install a rolling dip to drain road only.		

Pacific Watershed Associates - P.O. Box 4433 - Arcata, CA 95518 - (707) 839-5130 \$B-7\$

Water Irrigation and Storage Plan

Bob Howard

Location: 000 Reed Mountain Rd Garberville, CA 95542 County: Humboldt APN: 223044010

Address: PO Box 909 Garberville, CA 95542
Contact Name: Vanessa Valare
Telephone: 760.613.6520/ 707.986.7815
Email: etahumboldt@gmail.com

Water Plan

vamuater catchment

Water Storage and Usage

Overall the amount of water used by the Cannabis Gardens is 228,270 gallons per year, this is an estimate, to the best of my knowledge. The domestic use water is an estimate, to the best of my knowledge, to which I based my estimate on around 80 gallons a day per person for the caretaker's residence. Maximum of water stored on-site at anytime is 2,500 gallons for domestic and 13,000 gallons for cultivation. Water is moved from the pond to POU#1 using a solar powered pump. From POU#1 water is pumped to POU#2. Once water reaches its point of use, water is moved by gravity to the cannabis cultivation areas. If something goes wrong with solar pumps water is carried by truck with water tank to the cannabis cultivation areas. The caretaker's residence has a domestic spring S027931.

Water Discharge

Water storage is separate from all cannabis feeding tanks. Feeding tanks are at least 200 ft from nearest water source and is flat. Hay is spread on top soil to help with evaporation and runoff. Heavy amounts of peat moss and coco coir are also amended into soil periodically to help with runoff of fertilizer. No run-off from cultivation watering flows into the ground. Cannabis cultivation occurs at least 200 feet away from the Class II watercourse. All poly-flex irrigation water lines are anchored, located up and out of drainages, and sited in a responsible way so as not to impede water flow through stream channels.

Projected Water Usage for Cannabis Garden.

Overall the amount of water used by the Cannabis Gardens is maximum 228,270 gallons per year.

Total estimated water usage for household/ domestic usage 70,000 gallons per year.

Total estimated water usage for property approx 298,270 gallons per year gallons per year. This is an estimate, to the best of my knowledge, The domestic use water is an estimate, to the best of my knowledge. Maximum of water stored on-site in above ground tanks for cannabis is 13,000. This water comes from the Pond which has 4 and ½ acres of water storage from rain catchment only. Tanks used as intermediary between pond and cultivation. Water stored for less than 30 days. The tanks then feed the gardens by gravity. I have added the map and information I have submitted to State Water Resources Control Board and Enrollment Notice of Intent Form for Waiver of Waste Discharge Requirements Order Number R1-2015-0023

Daily Rate at 1 gallon a day per 10 sq ft of cultivation in greenhouses. Daily rate at 1.5 gallons a day for open air cannabis.

Spring on property is for domestic use only and services the caretaker's residence.

Monthly Water Use Table

Month	Total water Use in Gallons	POU#1 1500 sqft	POU#2 -GH 3850 sqft	POU#2 GH 1500 sqft	POU#2 Open Air 2525 sqft	Domestic Use
Jan	0 (Zero)	0 (Zero)	0 (Zero)	0 (Zero)	0 (Zero)	6,000
Feb	0 (Zero)	0 (Zero)	0 (Zero)	0 (Zero)	0 (Zero)	6,000
Mar	2,250 veg	0 (Zero)	0 (Zero)	2,250 veg	0 (Zero)	6,000
Apr	15,975	2,250	5,775	2,250	5,700	6,000
Мау	33,015	4,650	11,935	4,650	11,780	6,000
June	31,950	4,500	11,550	4,500	11,400	5,000
July	33,015	4,650	11,935	4,650	11,780	5,000
Aug	33,015	4,650	11,935	4,650	11,780	5,000
Sept	31,950	4,500	11,550	4,500	11,400	5,000
Oct	33,015	4,650	11,935	4,650	11,780	6,000
Nov	15,975	2,250	5,775	2,250	5,700	8,000
Dec	0 (Zero)	0 (Zero)	0 (Zero)	0 (Zero)	0 (Zero)	6,000

 1 '	32,100	82,390	32,460	81320	70,000	
70,000 dom						

Total estimated water usage for cannabis cultivation 199,270 gallons per year

I have read and keep a copy in my binder of the "Best Management Practices of Waste Resulting from Cannabis Cultivation and Associated Activities or operations with Similar Environmental Risk", "Performance Standards for all CMMLUO Cultivation and Processing Operations" and the "Legal Pest Management practices for Marijuana Growers in California". I intend to practice the guidelines set forth by these documents to help ensure my compliance with laws. I also intend to be flexible with county and state officials, make changes as necessary and upgrade my property to comply. Please feel free to contact me for any more information.

Human Waste Water Disposal

Bob Howard

Location: 000 Reed Mountain Rd Garberville, CA 95542

County: Humboldt APN: 223044010

Address: PO Box 909 Garberville, CA 95542

Contact Name: Vanessa Valare
Telephone: 760.613.6520/ 707.986.7815
Email: etahumboldt@gmail.com

Domestic Waste Water

Wastewater is handled with an Onsite wastewater system in the form of a septic tank and leach field. Septic has been perk tested, designed and engineered by PWA. Report can be added if needed.. Septic tank for grey and black water. Septic Tank is 10 ft from residence and is in installed according to design schematic and parameters. Leach field behind septic.

This septic tank collects waste from kitchen sink, shower and bathroom sinks, toilet in caretakers residence and in processing shop that has one bathroom and one sink. This shop bathroom is for use by the seasonal workers or independent contractors. Waste tanks are serviced as necessary and checked once a year.

Porta potly, if nuded

GRADING, DRAINAGE & EROSION CONTROL PLAN

CAUTION:

UNAUTHORIZED CHANGES & USES

THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONALS.

CONSTRUCTION NOTES

GENERAL

- THE INFORMATION AND ELEVATIONS PERTAINING TO EXISTING UNDERGROUND FACILITIES, AS SHOWN HEREON, ARE FROM RECORD INFORMATION AND IS PRESENTED HERE FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL AGENCIES INVOLVED AND SHALL LOCATE THE EXISTING UNDERGROUND FACILITIES PRIOR TO EXCAVATION AND CONSTRUCTION IN ANY AREA. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT BIT AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF ANY EXCAVATION, AND SHALL NOTIFY THE ENGINEER AND DEVELOPER OF ANY APPARENT DISCREPANCIES IN THE RECORD INFORMATION SHOWN HEREIN.
- CONTOURS ARE BASED ON USGS 1/3 ARC-SECOND DIGITAL ELEVATION MODELS AND ARE AT 40 FOOT INTERVALS.
- MATERIALS AND WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND STANDARD PLANS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS), LATEST EDITION, AND THE IMPROVEMENT STANDARDS, LATEST REVISION, OF
- THE CONTRACTOR SHALL REMOVE FROM THE SITE AND LAWFULLY DISPOSE OF ALL DELETERIOUS MATERIAL (BROKEN CONCRETE, ASPHALT PAVEMENT, BASE MATERIAL, ROCKS, STUMPS, ROOTS, LIMBS, ETC.) TO A COUNTY APPROVED DISPOSAL SITE.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS ON OR ADJACENT TO THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO FENCES, CONCRETE CURBS AND GUTTERS, CONCRETE SLABS, UNDERGROUND CONDUITS, STRUCTURES, DECKS, LANDSCAPING, ETC. WHERE DAMAGE TO ADJACENT IMPROVEMENT IS UNAVOIDABLE, THE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE PROPERTY OWNER TO REPLACE OR REPAIR THE DAMAGED IMPROVEMENTS.
- STORM DRAIN PIPE, SHALL BE HIGH-DENSITY POLYETHYLENE (N-12 AS MANUFACTURED BY ADS, OR APPROVED EQUAL), OR AS SPECIFIED ON THESE PLANS.
- THIS PARCEL IS ZONED AE-B-6 AND HAS A GENERAL PLAN DESIGNATION OF RA4D AND IS IN THE STATE RESPONSIBILITY AREA (SRA).
- THE PROPERTY IS CURRENTLY DEVELOPED, WITH TWO (2) RESIDENCES, INDOOR SHOP AND FOUR (4) GREENHOUSES.
- THE SITE HAS HISTORICALLY NOT BEEN SUBJECT TO FLOODING, PER F.I.R.M. COMMUNITY-PANEL
- IT IS UNKNOWN AT THIS TIME WHETHER THE SITE IS UNDERLAIN BY SENSITIVE HABITAT AREAS, WETLAND AREAS OR ARCHAEOLOGICAL RESOURCES.

GRADING & EROSION CONTROL NOTES

- APPROXIMATELY 780 C.Y. OF SOIL MATERIAL WAS RELOCATED TO ACCOMPLISH THE CRADING AS SHOWN HEREON
- 14. DUST SHALL BE CONTROLLED BY WATERING DURING ALL PHASES OF CONSTRUCTION
- 15. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE DURING CONSTRUCTION
- 16. ALL GROUND BARED BY EARTH-MOVING ACTIVITIES SHALL RECEIVE EROSION CONTROL TREATMENT PRIOR TO THE ONSET OF THE WINTER RAINS. EROSION CONTROL TREATMENT SHALL CONSIST OF THE FOLLOWING:

 a. SPREAD REDWAY SEED MIX AT THE MANUFACTURERS RECOMMENDED RATE.
 b. SPREAD STRAW AT THE RATE OF 2 TONS/ACRE.
 c. STRAW SHALL BE STABLE AND NOT SUBJECT TO REMOVAL BY WIND. THE STRAW SHALL BE PLACED WITH PARTIAL EMBEDMENT INTO THE SOIL OR TREATED WITH A SUITABLE STABILIZING EMULSION.
- E GOAL OF THIS GRADING, DRAINAGE & EROSION CONTROL PLAN IS TO MINIMIZE SEDIMENT LEAVING THE SITE, AND TO ENSURE THAT Y SEDIMENT THAT DOES LEAVE WILL HAVE AN INSIGNIFICANT IMPACT DOWNSTREAM.

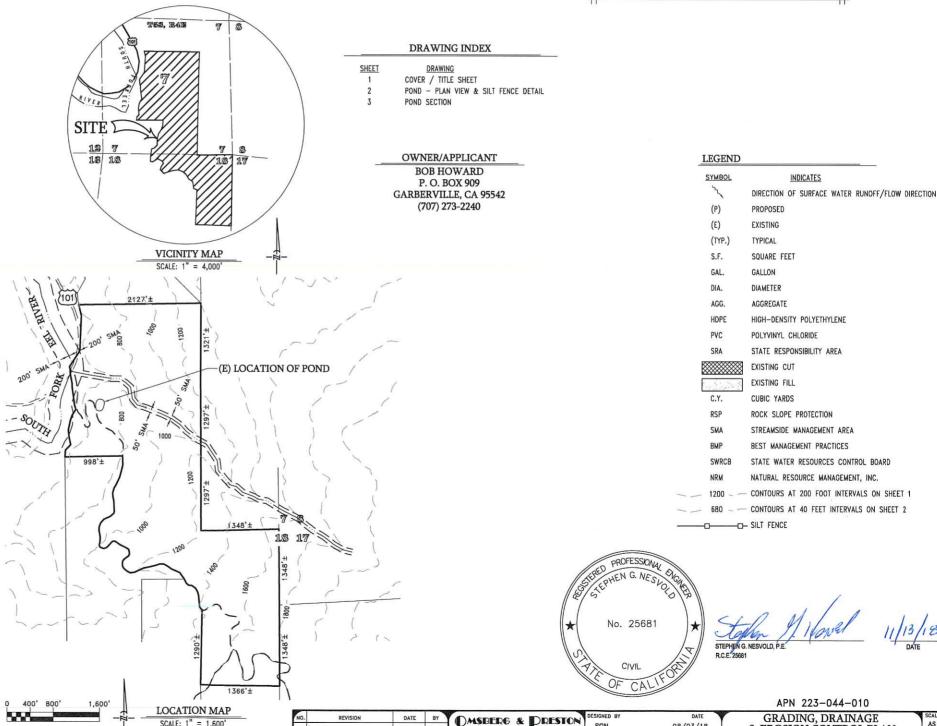
- CUT SLOPES SHALL BE 2:1 MAXIMUM AND FILL SLOPES SHALL BE 2:1 MAXIMUM UNLESS OTHERWISE SHOWN ON THE PLANS.

BOB HOWARD

Garberville, California

THIS AS-BUILT GRADING PLAN IS FOR THE EXISTING POND ONLY. THE POND IS FILLED WITH RAIN CATCHMENT ONLY AND NO OVERLAND DRAINAGE WILL BE USED TO FILL POND

INDICATES



AS SHOWN

APN 223-044-010

BOB HOWARD

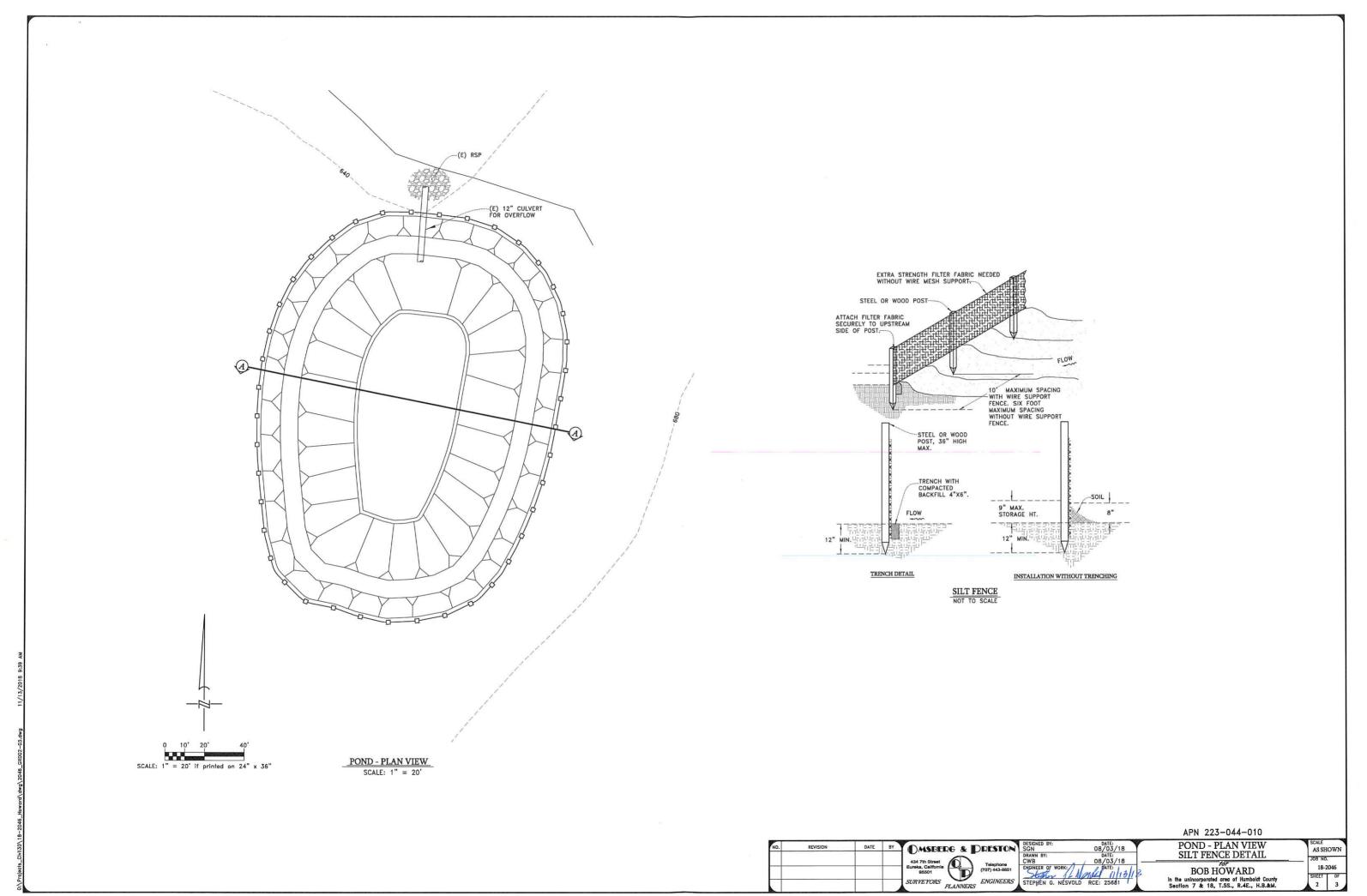
In the unincorporated area of Humboldt County Section 7 & 18, T.5S., R.4E., H.B.&M.

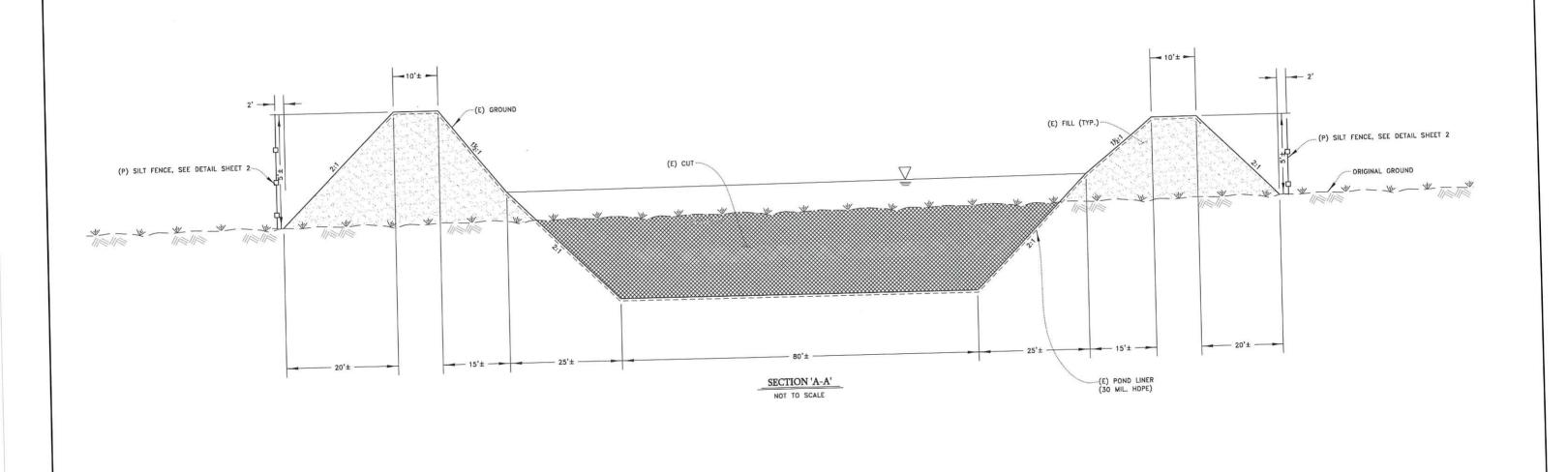
08/03/18

08/03/18

11/13/18

PLANNERS ENGINEERS





February 6, 2020

PLN-15221-SP Bob Howard

AS SHOWN
JOB NO.
18-2046
SHEET OF
3 3

APN 223-044-010

POND - SECTION

BOB HOWARD
In the unincorporated area of Humboldt County
Section 7 & 18, T.SS., R.4E., H.B.&M.

DATE BY

A34 7th Street
Eurska, California

SURVEYORS

PLANNERS

DESTON

DATE:
08/03/18

SGN BY:
08/03/18

DATE:
08/03/18

STEPHEN G. NESVOLD RCE: 25681