

GENERAL INFRASTRUCTURE LAYOUT & OPERATIONS START UP

MAP #3

⇒ EARTH MOVING EQUIPMENT WILL BE PARKED/STORED IN "WIDE SPOTS" ON NEW ROAD.

PAUL GARMISCH

VEGETATION TEST PLOT ON 10 FT PROPERTY LINE BUFFER

START UP TAILINGS DUMPS (A)(B)(C)

ESTIMATED VOLUMES FILLED TO ~~FLAT GRADE~~ EXISTING FLAT GRADE WITH 2:1 SLOPE AT TOE OF FILL. MOUNDING TO BE DONE LATER CONTURED TO 2:1 SLOPE

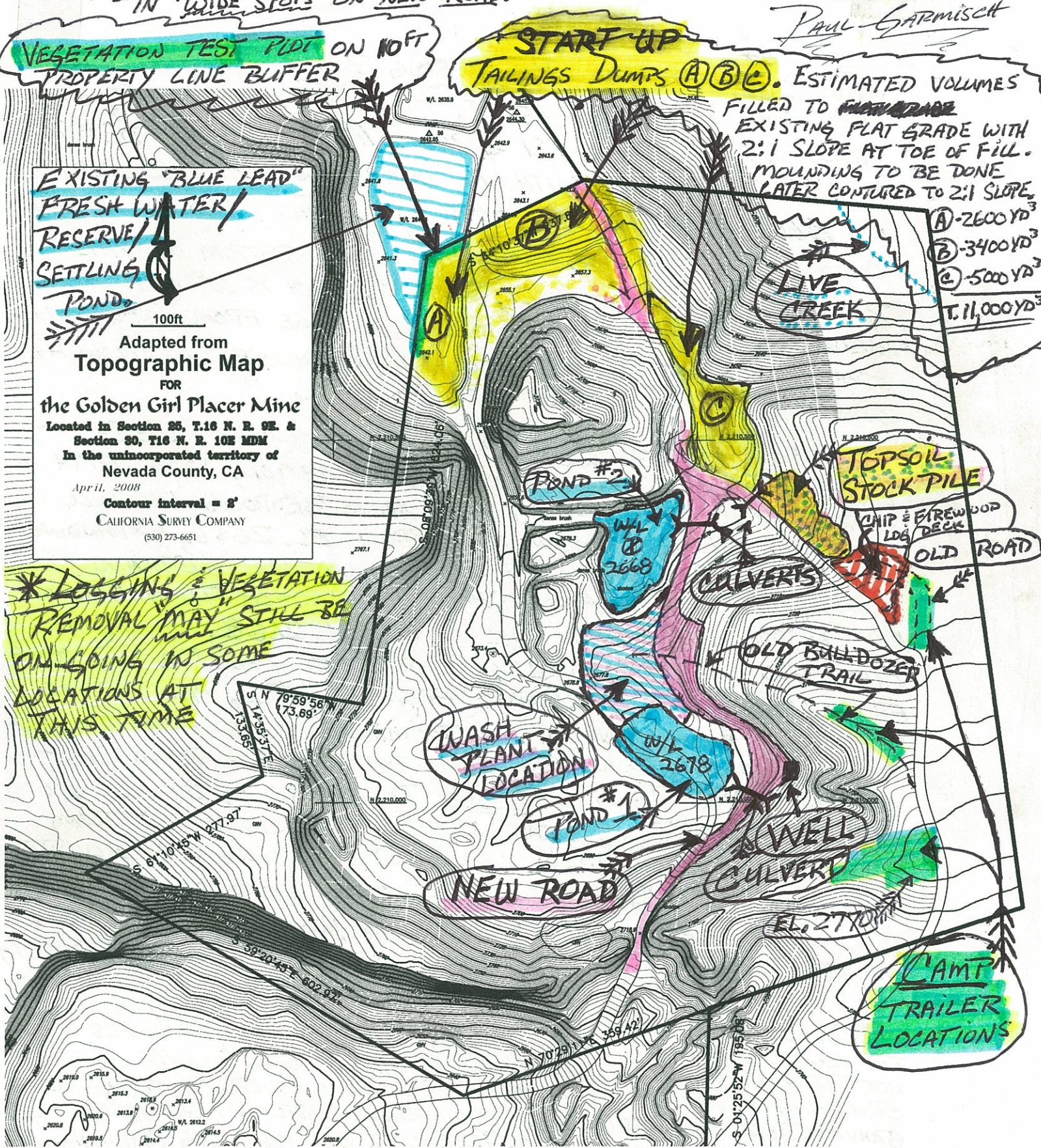
- (A) - 2600 YD³
- (B) - 3400 YD³
- (C) - 500 YD³
- T. 11,000 YD³

EXISTING "BLUE LEAD" FRESH WATER/ RESERVE/ SETTLING POND

Adapted from Topographic Map FOR

the Golden Girl Placer Mine
Located in Section 25, T.16 N. R. 9E. & Section 30, T.16 N. R. 10E MDM
In the unincorporated territory of Nevada County, CA
April, 2008
Contour interval = 2'
CALIFORNIA SURVEY COMPANY
(530) 273-6651

* LOGGING & VEGETATION REMOVAL "MAY" STILL BE ON GOING IN SOME LOCATIONS AT THIS TIME



* SEE NOTES ON BACK OF THIS MAP FOR ADDITIONAL INFORMATION.

- ⇒ POND #1 & POND #2 INFO
- ⇒ WASH PLANT INFO
- ⇒ CULVERTS & STORM DRAINAGE INFO

NOTES:

- ① POND #1 IS THE "PROCESSING" BASIN, EXCAVATED SURFACE DIMENSION OF 80 FT BY 150 FT, TO A DEPTH OF 40 FT, WITH WALLS SLOPED TO A 1:1 GRADE. MAXIMUM H₂O DEPTH OF 35 FT, AT AND WITH AN OVERFLOW SPILL CULVERT OF 35 FT, AT AND WITH AN OVERFLOW SPILL CULVERT AT ~~THE~~ APPROX. EL. 2678 FT W/L. THIS POND WILL HOLD APPROX. 1,570,000 GALLONS H₂O. THE BOTTOM OF THIS POND WILL BE APPROX. EL. 2640 FT, WHICH IS 10 FT TO 15 FT ABOVE BEDROCK. WATER FOR POND #1 WILL COME FROM GROUND H₂O, THE WELL, AND SURFACE STORM H₂O RUNOFF. OVERFLOW H₂O WILL ~~BE~~ BE DISCHARGED INTO POND #2.
- ② POND #2 IS THE "OVERFLOW" BASIN, WHICH WAS MOSTLY EXCAVATED BY A PREVIOUS MINING OPERATION, TO A DEPTH OF APPROX. EL. 2660 FT, WHICH IS 4 FT ABOVE BEDROCK. WE WILL COMPLETE THE EXCAVATION TO BEDROCK EL. 2656, EXPANDING THE 1:1 SLOPED WALLS FOLLOWING NATURAL TERRAIN CONTOURS GIVING A FINAL SEMI-OVAL SURFACE DIMENSION OF 100 FT BY 200 FT, MAXIMUM W/L APPROX. EL. 2658, GIVING A MAX. H₂O DEPTH OF 12 FT. WATER FOR POND #2 WILL COME FROM GROUND H₂O, DISCHARGE FROM POND #1, AND SURFACE STORM H₂O RUNOFF WHICH WILL PRIMARILY COME FROM DRAINAGE DITCHES RUNNING DOWN HILL FROM THE EXISTING ROAD EAST OF THE POND. POND #2 "SHOULD" DISCHARGE OVERFLOW INTO THE EXISTING "BLUE LEAD" FRESH WATER/RESERVE/SETTLING POND, WHICH DISCHARGES ITS POND OVERFLOW VIA CULVERT INTO A NATURAL "GREENHORN CREEK" STORM WATER TRIBUTARY. THIS IS HOW THE ORIGINAL STORM WATER HYDROLOGY WAS ENGINEERED. POND #2 WILL HOLD APPROX. 1,420,000 GALLONS H₂O. IF NECESSARY, H₂O FROM POND #2 WILL BE PUMPED INTO POND #1 FOR WASH PLANT OPERATIONS.
- ③ WASH PLANT CIRCUIT DESIGN IS YET TO BE DETERMINED, BECAUSE THE EXACT EQUIPMENT REQUIREMENTS, MANUFACTURERS, & MODELS HAVE NOT BEEN FINALIZED. HOWEVER, THE WASH PLANT WILL INCLUDE A ROCK CRUSHING SYSTEM, WET MATERIAL SCREEN WASHER, CENTRIFUGAL GRAVITY RECOVERY EQUIPMENT, DEWATERING SYSTEM, FEED HOPPERS, CONVEYERS, H₂O PUMPS, ETC. TERRACING WILL HAVE LOG RETAINING WALLS.
- ④ CULVERTS WILL BE LOCATED EXACTLY WHERE OUR HYDROLOGY PLAN DICTATES THEIR LOCATIONS. THREE APPROX. CULVERT LOCATIONS ARE SHOWN ON THIS MAP FOR STORM RUNOFF CONTROL USING THE FOLLOWING SYMBOL . HYDROLOGY PLAN NOT DONE YET.