

3-22-01  
THURS

1 PM ->

TINA LEVIN  
KELLY WHITING  
KATIE WALTERS

SKW 1410 @ WLFD

Pond D - Discharge not modelled. Pond meets How standards.  
Outlet discharges to WL at 5yr. event  
→ New indirect impact due to Δ's in pond, per Kelly  
(Pond is large + wraps around WL finger. Discharge point  
is down gradient from upper part of finger.

Pond F discharges to Water Creek via riprap outfall jump test  
2 yr. = 1.2 cfs flow (10 garden hoses = 1 cfs) = 5 cfs.  
100 yr. = 10 cfs \ typ. 110 cfs per hose.

in NRMP  
Drainage features not shown on drainage plans  
Most stormwater drawings are labelled as 65% 80 construct  
level documentation

Pond F may get larger? Kelly wants more infiltration.  
Half of socks in subbasin are outwash. If they don't  
infiltrate then pond F may need to get bigger. If they  
infiltrate there will be less volume to discharge to WL 44a.

Pond D serves SDW1B

If seasonal ground water max at 336 ft then WL isn't fed by  
GW but SW or shallow interflow + pond will intercept it + direct it away  
from WL. → Pond D will intercept hydrology to WL.  
Infiltration facility for 0.2 cfs capacity. No drawings for  
facility (Kelly has asked for drawings)

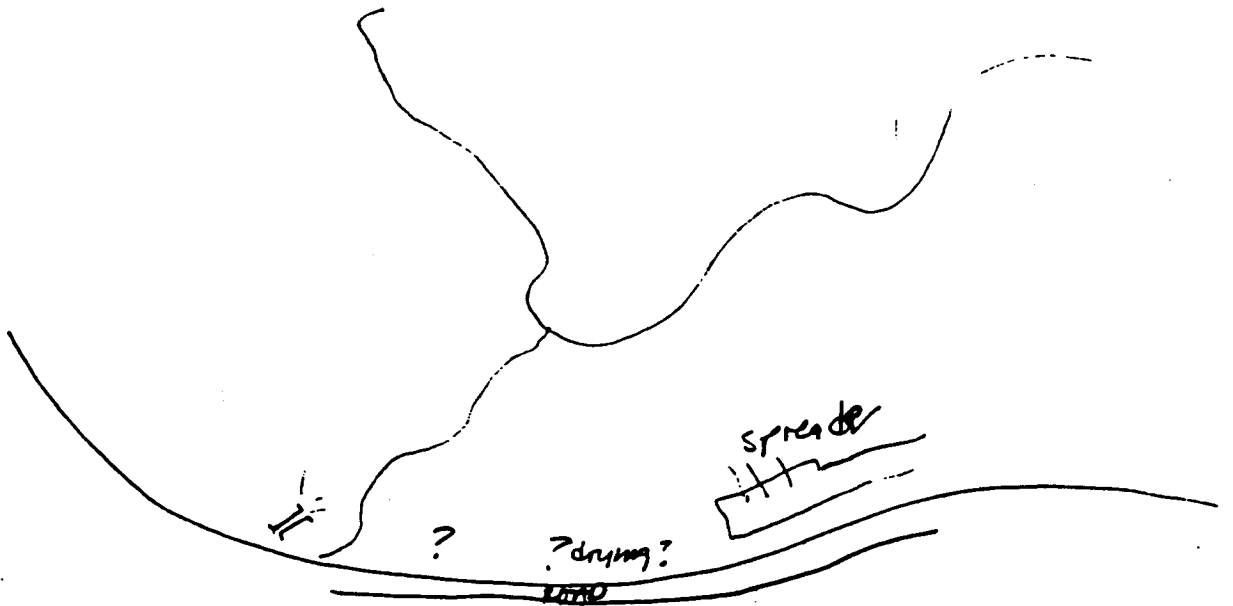
Pond D -

stormwater  
If features fail, they will affect natural features.

- A \$1M TESC / stormwater plan is worth only the paper they are  
printed on if not properly implemented.

- Flow spreader w/in wetland - counted as an impact? (@ pinch point)  
↳ Replaces temporary pond A? NRMP Plans  
show it as a temporary impact only.

P. 115 m SWP - section of downgradient wetland - where will it's hydrology come from



POND G Discharge spreader above WL 18  
 Pulls water from Pond C to the south (from 156th south  
 if flows down, even if still a WL, creek could still  
 be affected. (P. 6 <sup>top 16</sup> 3/22/01 ACOE comment letter)

\* soil amended today about sewer easement maintenance (future) + buffer impacts.

0.1 cfs (1 garden hose) is low flow gap?

4.6 acre feet  
7.35 acre ft live storage

50m x 157m x 2.5m  
1900 m<sup>3</sup>

123 1728 <sup>in</sup> 3  
144

93560 ÷  
1728

They want to put a catch basin on the culvert under 157th st.

50m x 20m  
x 4m  
= 4000 m<sup>3</sup>  
= 3,240 ac ft

AR 018496

What is the lifespan of geotextile?  
No provision for channel dynamics?  
What if maintenance is required?

Berm on right bank of Miller Creek @ Vacca Farm - We did not calculate it as an impact.

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