

Meeting Minutes

Meeting Date: October 22, 2003

Meeting Time: 10 a.m.

Meeting Place: BDD Conference Room

Attendees:

Name	Representing
S. Ridenour	SHA/EPD
A. Kosicki	SHA/BHD
P. Wettlaufer	USACOE
S. Elinsky	USACOE
D. Johnson (FHWA)	FHWA
J. Parikh	FHWA
R. Rye	SHA/PPD/W.T. B. - ICC PMT
B. Jarboe	SHA/PPD/URS - ICC PMT
D. O'Leary	SHA/HHD/NMP

Today's Date: December 3, 2003

Subject: ICC / Good Hope Tributary

Minutes:

This meeting was called by USACOE to discuss stormwater concerns related to Good Hope tributary to Paint Branch. The purpose of the meeting was to discuss USACOE concerns and present SHA's approach to addressing specific water resources related issues, e.g. water quality including temperature.

Discussion:

- Stormwater concerns in Paint Branch are.
 1. Additional impervious cover in the watershed as a result of the project.
 2. Thermal stormwater loadings affecting fish and other aquatic species.
 3. Present and future runoff volumes causing channel degradation.
 4. Sediment control during construction.
- USACOE wants to address the first 3 items above as follows:
 1. Consider moving the high point along the alignment between NH Avenue and Good Hope to be centered over Good Hope. Drainage from the roadway would

then be directed away from Good Hope in both directions. Only the first 1-1/2 inches of runoff would be treated via infiltration in the watershed.

2. Employ bioretention and infiltration to treat first 1-1/2 inch of runoff while minimizing taking of trees.
 3. Treat water quantity within roadway footprint using vaults. Direct outflow from facilities to Paint Branch, not Gum Springs or Good Hope tributaries.
- USACOE recently constructed an outfall from an existing pond in Gum Springs watershed to Paint Branch to divert warm water discharges. The result has been positive, e.g. temperatures in Gum Springs have been lowered.
 - USACOE brought up that USFWS has suggested pumping groundwater to mix with surface water to mitigate temperature.
 - PMT members discussed shifting the high point along the alignment and what other factors / constraints must be evaluated before the comment about moving the high point to center on Good Hope can be addressed.
 - HHD informed USACOE about on-going work with regard to:
 - Temperature: HHD has engaged UM PhD to develop temperature strategy for BMPs.
 - Water Quality: Agreed to look into diverting flow from Good Hope elsewhere.
 - Assessing potential for treating WQ in medians.
 - Acknowledge that infiltration, bioretention and filters are best BMPs for application.
 - Will provide WQ off-line and discharge downstream to Paint Branch depending on feasibility.
 - Water Quantity:
 - Informed USACOE that SHA already considering underground storage.
 - Awaiting info from UM about the best way to mitigate temperature at the same time.
 - Assessing whether SHA can divert runoff from developed areas up-gradient from ICC to beyond Good Hope and Gum Springs.
 - Action Items for DJO
 - Check with USGS to determine if they have any national stream temperature expertise.
 - Get a copy of the Groundwater Siphon paper to USACOE.
 - Prepare a BMP Maintenance and Inspection Program presentation for a future IAWG meeting.

Meeting adjourned.