

APPENDIX E

SUBMISSION COVER DOCUMENT & REVIEW CHECKLISTS

Submission Coversheet/Fee Schedule

Note: The Submission Coversheet/Fee Schedule as well as the Review Checklists are subject to revision from time to time. For the most up to date Fee Schedule and Review Checklists, please see the Design Resource Page on the County Engineer's Website at:

<http://www.co.delaware.oh.us/engineer/drp.htm>

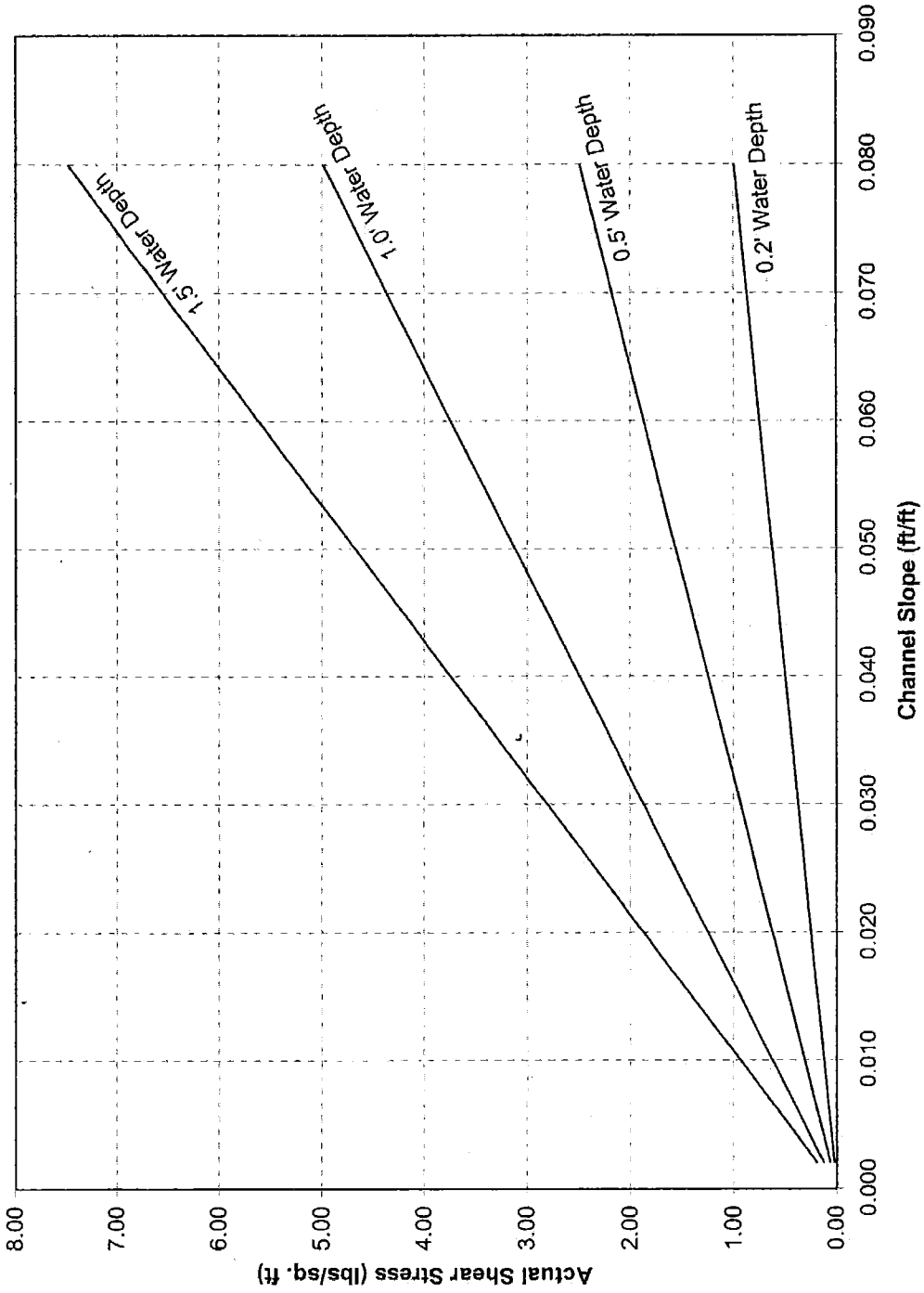
At the above link, the Review Checklists are located under the heading "Privately Funded Development Projects."

DESIGN AIDS

Shear Stress Charts (for erosion control)

Sample As-Built Certification

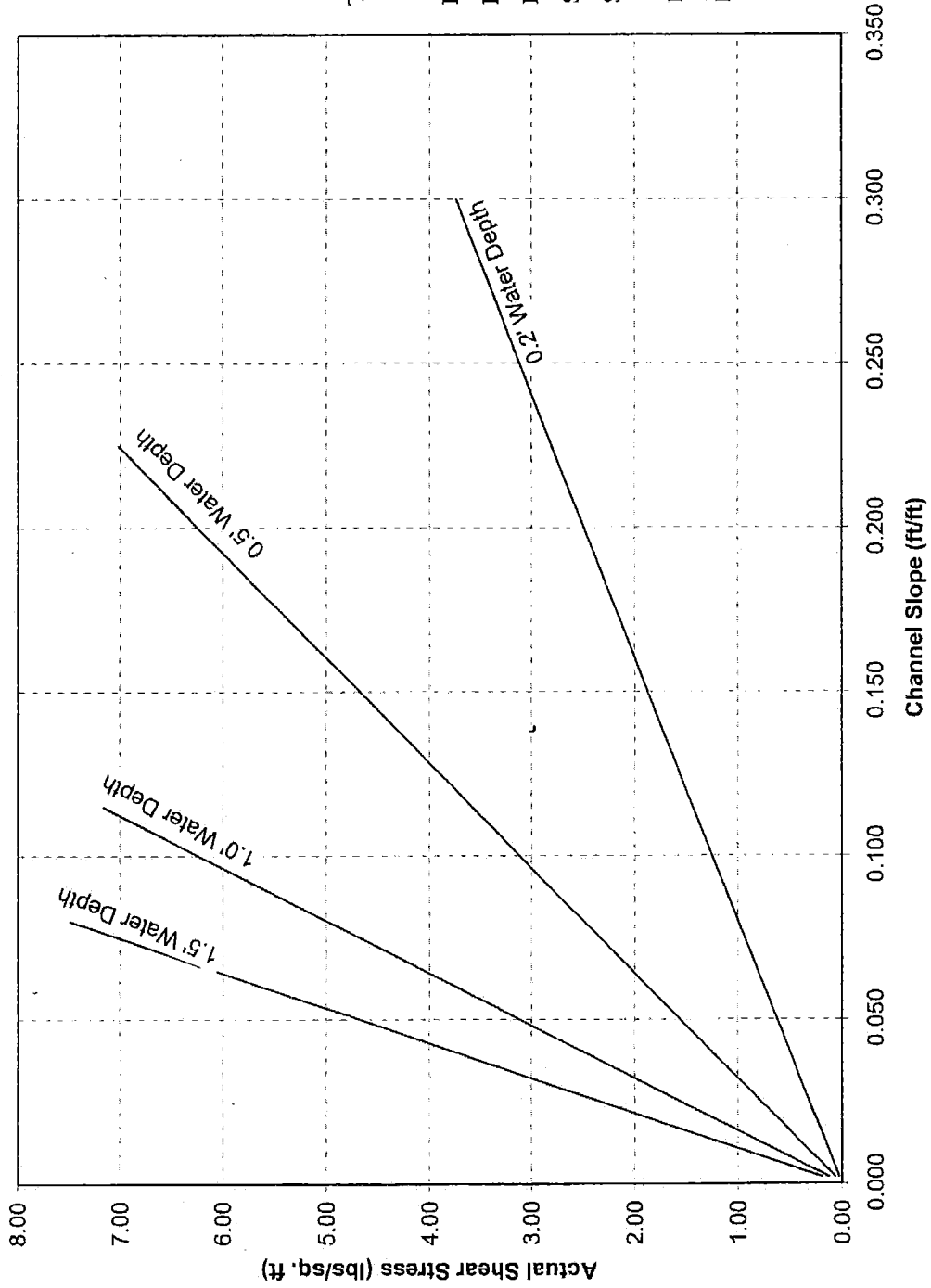
**Shear Stress based on Depth and Channel Slope
(Slopes less than 8%)**



Tied Concrete Block Mat Type	Maximum Allowable Shear Stress (lbs/sq ft)
Type 3	7
RPC Type B	6
RPC Type C	4
RPC Type D	2
Sod (660)	1
Seed (659)	0.4

Based on Sections 1102.3 &
1102.4 of the ODOT L & D
Manual

**Shear Stress based on Depth and Channel Slope
(Steeper slopes up to 30%)**



Maximum Allowable Shear Stress (lbs/sq ft)

7

Tied Concrete Block Mat Type 3

6

RPC Type B

4

RPC Type C

2

RPC Type D

1

Sod (660)

0.4

Seed (659)

Based on Sections 1102.3 & 1102.4 of the ODOT L & D Manual



Delaware County Engineer

Chris Bauserman, P.E., P.S.

Date: xx/xx/xxxx

Subject: _____ Project
*As-Built Certification Form – Flood Routing,
Retention/Detention Basins and Storm Sewer/Culvert System*

Dear Mr. Jennings:

The storm water management system including storm sewers/culverts, retention/detention basins and major flood routing paths for the above referenced project has been verified. A field survey of the constructed structures and drainage features and review of design data revealed the following information:

- The storm sewers/culverts including pipe inverts, structure inverts and top of castings have been generally constructed per plan.
- The retention/detention basin volumes, outlet structures, and basin overflow weirs for basin numbers 1, 2, _____ have been found to conform to the intent of the engineering plans.
- Flood Routing Sections A-A, B-B, _____ are generally constructed per plan and sufficient capacity is available for the major flood routing. The constructed flood route swale (ditch) will have sufficient freeboard, provided that the houses/buildings are built per plan.

(For cases where an item does not conform to the plans, provide an explanation here of how and what items do not conform as well as potential impacts (good and bad) due to the difference from the plans.)

Enclosed are PDF copies of the as-built exhibits for the basins and flood routing as well as updated major flood routing calculations.

Please call if you have any questions.

Sincerely,

_____, P.E.
Engineer of Record for the Project
(Include Engineer's address,
telephone number, and Engineer's Stamp)