

Wissahickon Creek Watershed Siltation TMDL Monitoring & Implementation Program



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Office of Watersheds***





Bank Pin Measurement Verification

| Tributary | Drainage Area, Acres | Stream Length, feet | Erosion Rate, lb/yr | Erosion Per Acre of Drainage Area, lb/ac/yr | Erosion Per Foot of Stream Length, lb/ft/yr |
|---------------|-------------------------|------------------------|------------------------|--|--|
| Bells Mill | 323 | 6,722 | 150,000 | 460 | 22 |
| Cathedral | 160 | 2,790 | 160,000 | 1000 | 57 |
| Cresheim | 1,218 | 16,431 | 530,000 | 440 | 32 |
| Gorgas Lane | | | | | 74 |
| Hartwell | | | | | 8 |
| Hillcrest | | | | | 21 |
| Kitchens Lane | 234 | 7,753 | 170,000 | 730 | 22 |
| Monoshone | 1,056 | 6,926 | 57,000 | 54 | 8 |
| Thomas Mill | 104 | 4,008 | 170,000 | 1,600 | 42 |
| Valley Green | 128 | 2,874 | 100,000 | 780 | 35 |
| Wises Mill | 446 | 7,056 | 400,000 | 900 | 57 |
| Rex Ave | 137 | 1,903 | 100,000 | 730 | 53 |

2.1 Million Pounds Per Year

95% CI: +/- 1.7 Million Pounds Per Year

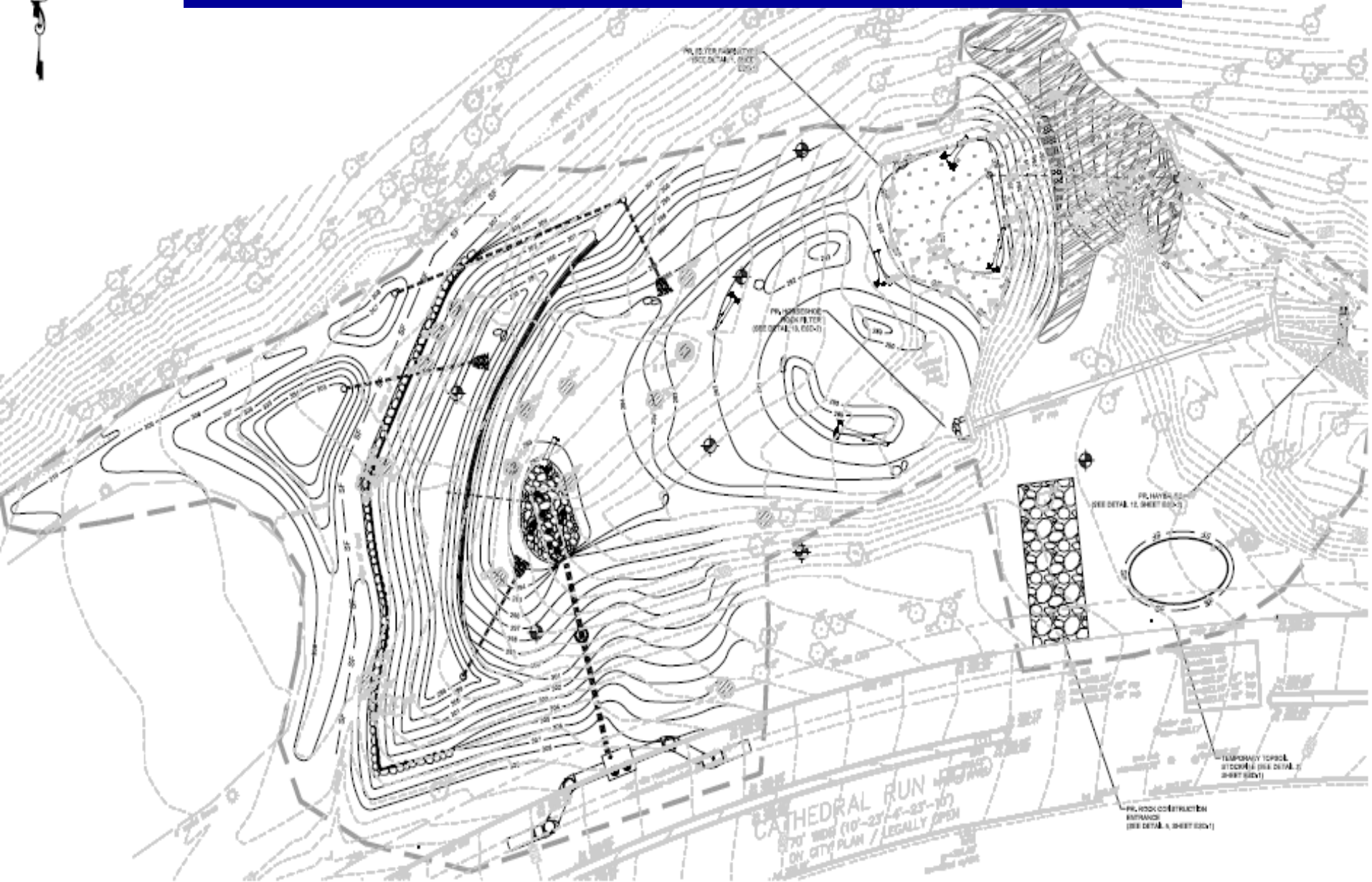
Cathedral Run Bio-Retention Basin Pre-Construction



Cathedral Run Bio-Retention Basin



Cathedral Run Bio-Retention Basin



Cathedral Run Bio-Retention Basin



Cathedral Run Bio-Retention Basin – In Construction



Wises Mill Bio-Retention Basin & Stream Restoration – Pre-construction



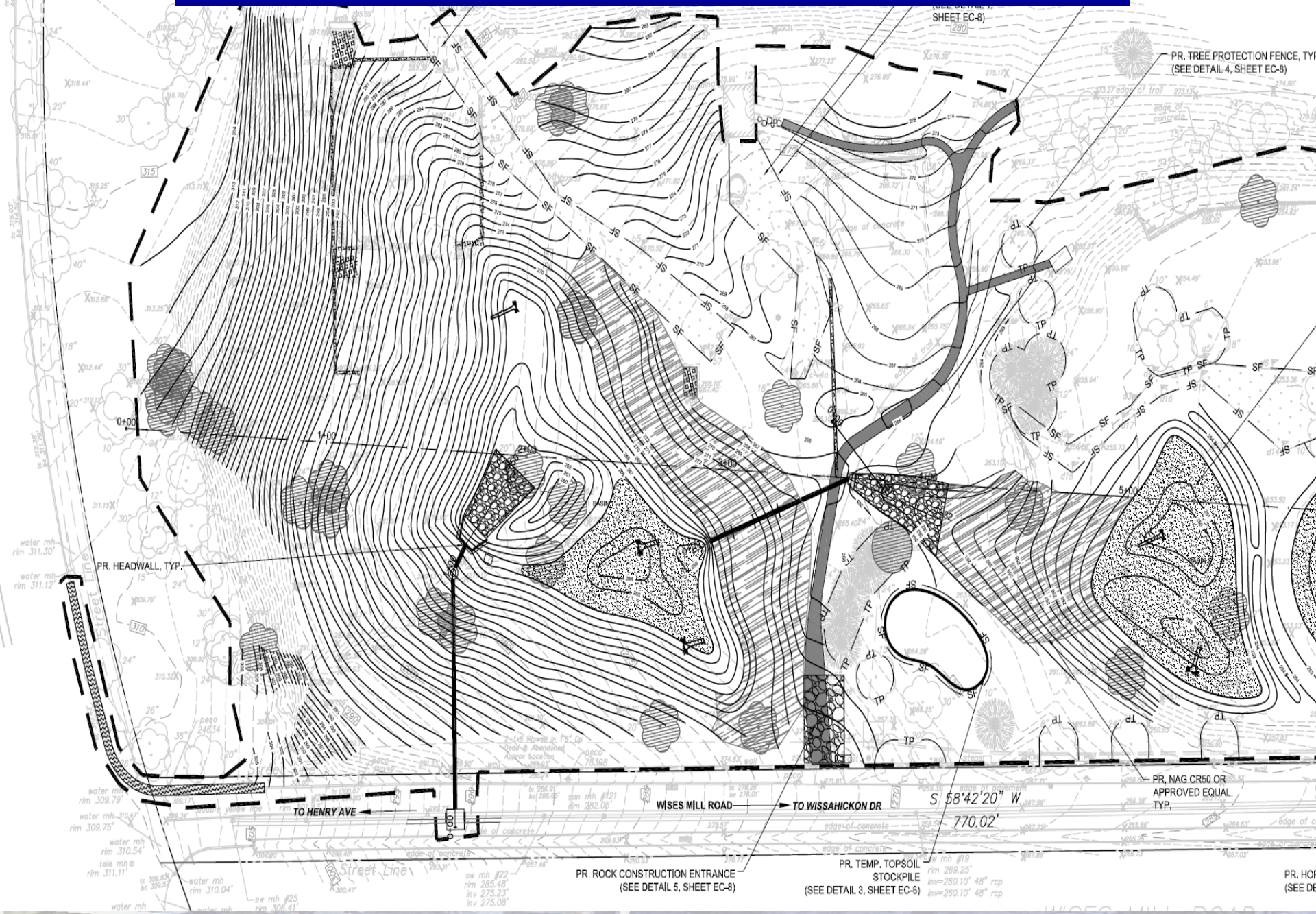
Wises Mill Bio-Retention Basin



Wises Mill Bio-Retention Basin

CONTRACTOR IS NOT TO DISTURB EXISTING WETLANDS

PATH,



PR. TREE PROTECTION FENCE, TYP. (SEE DETAIL 4, SHEET EC-8)

(SEE DETAIL SHEET EC-8)

PR. HEADWALL, TYP.

PR. ROCK CONSTRUCTION ENTRANCE (SEE DETAIL 5, SHEET EC-8)

PR. TEMP. TOPSOIL STOCKPILE (SEE DETAIL 3, SHEET EC-8)

PR. NAG CR50 OR APPROVED EQUAL, TYP.

PR. HO...

Wises Mill Stream Restoration – In Construction



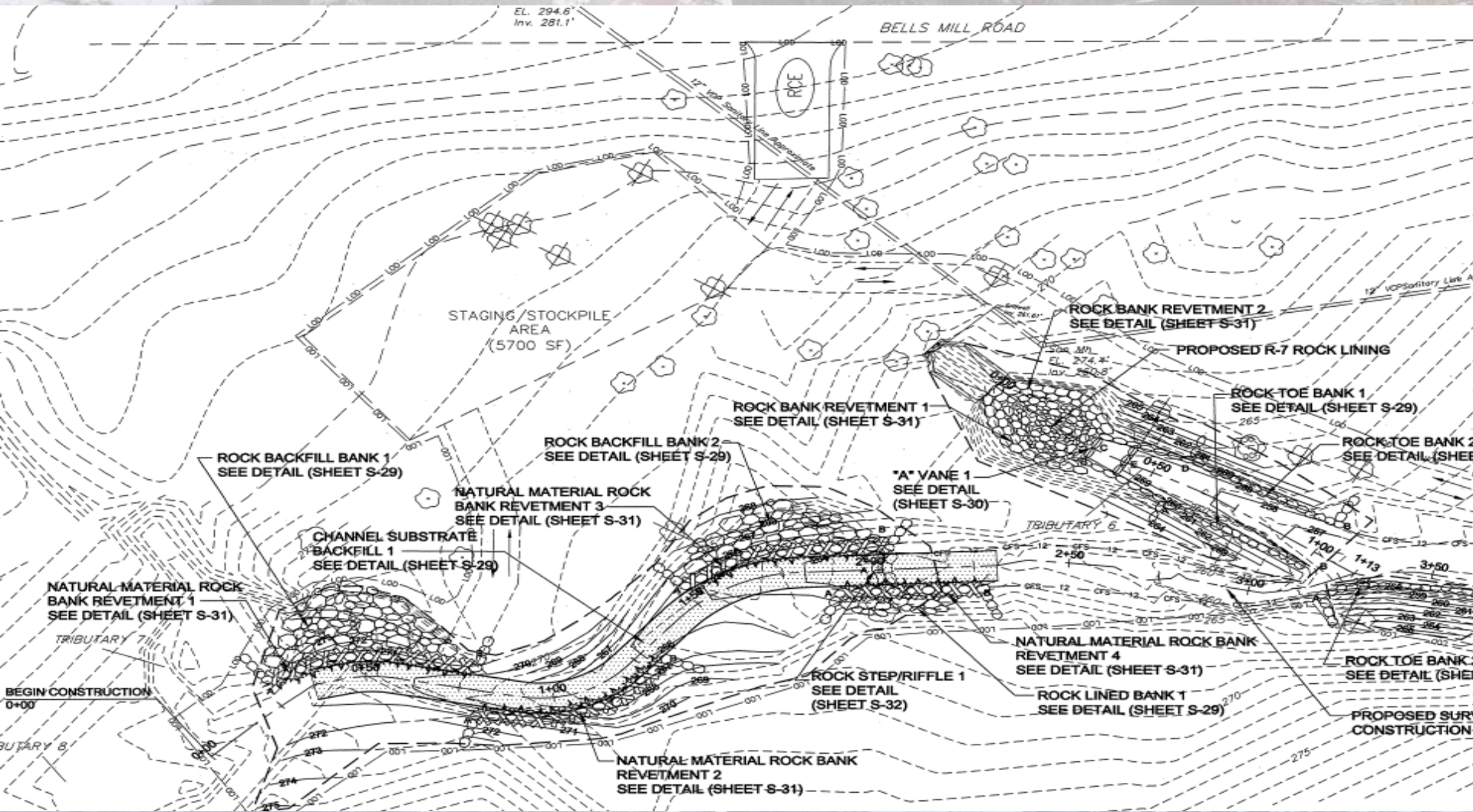
Wises Mill Bio-Retention Basin – In Construction



Bells Mill Stream Restoration – Pre-construction



Bells Mill Stream Restoration – Construction NTP June, 2011



Bells Mill Stream Restoration – In Construction



Gorgas Run Stream Restoration – In Design









08/12/2009

