

DWG: F:\2017\0001-0500\017-0305\40-Design\AutoCAD\Final Plans\Sheets\WTRS\DWG\GENERAL\W\_DRN\_70305.dwg  
DATE: Apr 04, 2019 1:15pm XREFS: w\_tblk\_70305 ES 01\_C\_PUTIL W\_PBASE\_70305 USER: kfulton



HYDRAULIC AND HYDROLOGIC DATA

DRAINAGE AREA - 207 AC  
EXISTING CONDITIONS CURVE NUMBER - 86  
FUTURE CONDITIONS CURVE NUMBER - 88  
TIME OF CONCENTRATION - 16.5 MINUTES

| RAINFALL (24 HOUR EVENT) |                     |
|--------------------------|---------------------|
| RETURN EVENT (YR)        | RAINFALL DEPTH (IN) |
| 2                        | 3.50                |
| 10                       | 5.30                |
| 100                      | 7.70                |

DESIGN ROUTING INFORMATION - FUTURE CONDITIONS

100-YEAR 24 HOUR  
PROPOSED SPILLWAY ELEVATION - 929.00  
PROPOSED TOP OF DAM - 934.5

PEAK INFLOW - 1,440 CFS  
PEAK OUTFLOW - 312 CFS  
PEAK WATER SURFACE ELEVATION - 931.52 FEET

EMERGENCY SPILLWAY ROUTING 100-YEAR 24 HOUR

EMERGENCY SPILLWAY ELEVATION - 932.1 FEET  
PEAK FLOW - 1,440 CFS  
PEAK WATER SURFACE ELEVATION - 933.43 FEET

LEGEND

--- EXISTING CONTOUR

--- DRAINAGE AREA

--- FLOWPATH

N

0' 100' 200' 400'

SCALE IN FEET

7301 West 133rd Street, Suite 200  
Overland Park, KS 66213-4750  
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| REV. NO. | DATE | REVISIONS DESCRIPTION | BY |
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DRAINAGE AREA MAP

OLD LONGVIEW LAKE  
DAM & SPILLWAY IMPROVEMENTS

LEE'S SUMMIT, MISSOURI

2019

drawn by: KTF

checked by: BHL

approved by: BML

QA/QC by: CPJ

project no.: 017-0305

drawing no.: 04.04.2019

SHEET

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