STORM SEWER DRAINAGE AREA MAP - PHASE 3

Inlet Number	AREA (AC.)	% IMPERVIOUS	15 YEAR - 20 MIN P.I. VALUE (CFS/AC.)	15 YEAR - 20 MIN RUNOFF (CFS)	100 YEAR - 20 MIN P.I. VALUE (CFS/AC.)	100 YEAR - 20 MIN RUNOFF (CFS)
PREVIOUS PHASES						
CI#74	0.32	86%	3.26	1.04	4.4	1.41
AI #75	0.18	100%	3.54	0.64	4.77	0.86
AI #75A	0.4	100%	3.54	1.42	4.77	1.91
FES #76	15.54	100%	3.54	55.01	4.77	74.13
CI #81	0.3	53%	2.63	0.79	3.55	1.07
CI #82	0.25	85%	3.24	0.81	4.37	1.09
CI #85	0.49	50%	2.58	1.26	3.47	1.70
CI #86	0.44	40%	2.39	1.05	3.22	1.42
PKWY JB #19	13.13	100%	3.54	46.40	4.77	62.52
PKWY DCI #28	22.99	98%	3.54	80.45	4.77	108.13
PHASE 3						
AI #78	0.12	80%	3.15	0.37	4.25	0.50
CI #79	0.21	80%	3.15	0.65	4.25	0.88
LINE #15						
AI #128	0.98	55%	2.67	2.62	3.6	3.53
AI #129	0.80	55%	2.67	2.14	3.6	2.89
AI #130	0.79	55%	2.67	2.11	3.6	2.85
AI #131	1.00	55%	2.67	2.66	3.6	3.59
NOT USED #132						
AI #133	0.67	55%	2.67	1.79	3.6	2.42
AI #134	0.79	55%	2.67	2.12	3.6	2.86
AI #135	0.78	55%	2.67	2.07	3.6	2.80
NOT USED #136						
AI #137	0.38	55%	2.67	1.02	3.6	1.38
JB #138						
CI #138A	0.31	55%	2.67	0.83	3.6	1.12
JB #139						
FE #140	39.87	61%	2.76	110.03	3.72	148.31
CI #141	0.37	55%	2.67	0.98	3.6	1.32
CI #142	0.34	55%	2.67	0.89	3.6	1.21
CI #143	0.36	55%	2.67	0.97	3.6	1.31
CI #144	0.34	55%	2.67	0.90	3.6	1.22
CI #145	0.50	55%	2.67	1.34	3.6	1.81
CI #146	0.46	55%	2.67	1.22	3.6	1.65
NOT USED #147						
NOT USED #148						
NOT USED #149						
NOT USED #150						
NOT USED #151						
CI #152	0.19	55%	2.67	0.52	3.6	0.70
CI #153	0.54	55%	2.67	1.44	3.6	1.94
AI #154	0.80	55%	2.67	2.12	3.6	2.86
CI #155	0.51	55%	2.67	1.37	3.6	1.84
CI #156	0.17	55%	2.67	0.47	3.6	0.63
AI #157	1.38	55%	2.67	3.68	3.6	4.97
CI #158	0.17	55%	2.67	0.44	3.6	0.60
JB #159						
AI #160	0.69	55%	2.67	1.84	3.6	2.48
AI #161	0.79	55%	2.67	2.12	3.6	2.85
CI #162	0.32	55%	2.67	0.85	3.6	1.15
LINE #16						
CI #163	0.43	55%	2.67	1.16	3.6	1.56
CI #163A	0.32	55%	2.67	0.85	3.6	1.14
CI #164	0.22	55%	2.67	0.59	3.6	0.80
JB #165						
AI #166	1.72	55%	2.67	4.58	3.6	6.18
AI #167	0.46	55%	2.67	1.24	3.6	1.67
JB #168	1.16	55%	2.67	3.11	3.6	4.19
JB #169						
CI #169A	0.25	55%	2.67	0.67	3.6	0.90
AI #170	0.36	55%	2.67	0.96	3.6	1.29
AI #171	2.43	55%	2.67	6.50	3.6	8.77
NOT USED #172						
CI #173	0.34	55%	2.67	0.92	3.6	1.24
CI #174	0.11	55%	2.67	0.31	3.6	0.41
AI #174A	0.54	55%	2.67	1.45	3.6	1.96
CI #175	0.30	55%	2.67	0.81	3.6	1.10
LINE #17						
AI #176	0.21	80%	3.15	0.66	4.25	0.90
AI #177	0.17	80%	3.15	0.54	4.25	0.73
AI #178	0.20	80%	3.15	0.64	4.25	0.86
AI #179	0.70	80%	3.15	2.20	4.25	2.97
CI #180	0.13	80%	3.15	0.40	4.25	0.54
NOT USED #181						
CI #182	0.11	80%	3.15	0.33	4.25	0.45
AI #183	0.99	55%	2.67	2.65	3.6	3.57
AI #184	0.43	55%	2.67	1.14	3.6	1.53
CI #185	0.29	55%	2.67	0.78	3.6	1.05
CI #186	0.34	55%	2.67	0.90	3.6	1.22
CI #187	0.12	55%	2.67	0.32	3.6	0.43
CI #188	0.19	55%	2.67	0.50	3.6	0.68
AI #189	0.28	55%	2.67	0.76	3.6	1.02
CI #190	0.27	55%	2.67	0.73	3.6	0.99
CI #191	0.43	55%	2.67	1.14	3.6	1.54
AI #192	0.64	55%	2.67	1.72	3.6	2.32
LINE #18						
AI #193	1.50	55%	2.67	4.01	3.6	5.40
AI #194	0.91	55%	2.67	2.42	3.6	3.27
CI #194A	0.69	55%	2.67	1.83	3.6	2.47
AI #195	0.88	55%	2.67	2.36	3.6	3.18
AI #196	0.69	55%	2.67	1.83	3.6	2.47
AI #197	0.57	55%	2.67	1.54	3.6	2.07
LINE #19						
OS #198						
LINE #20						
FE #199						
JB #200						
CI #201	0.27	55%	2.67	0.71	3.6	0.96
CI #202	0.26	55%	2.67	0.71	3.6	0.95
JB #203						
AI #204	0.70	55%	2.67	1.87	3.6	2.52
AI #205	0.68	55%	2.67	1.81	3.6	2.44
AI #206	0.89	55%	2.67	2.39	3.6	3.22
AI #207	1.04	55%	2.67	2.79	3.6	3.76
CI #208	0.25	55%	2.67	0.66	3.6	0.89
CI #209	0.25	55%	2.67	0.66	3.6	0.89
FE #210						
JB #210A						
CI #211	0.38	55%	2.67	1.01	3.6	1.36
CI #212	0.35	55%	2.67	0.95	3.6	1.27
CI #213	0.21	55%	2.67	0.55	3.6	0.74
CI #214	0.21	55%	2.67	0.55	3.6	0.74
CI #215	0.36	55%	2.67	0.95	3.6	1.29
CI #216	0.36	55%	2.67	0.97	3.6	1.30
LINE #21						
NOT USED #217						
CI #218	0.22	55%	2.67	0.59	3.6	0.80
CI #219	0.44	55%	2.67	1.17	3.6	1.58
CI #220	0.36	55%	2.67	0.97	3.6	1.31
LINE #22						
FE #221						
CI #222	0.35	55%	2.67	0.93	3.6	1.25
CI #223	0.48	55%	2.67	1.27	3.6	1.71
AI #224	1.25	55%	2.67	3.35	3.6	4.52
AI #225	0.72	55%	2.67	1.91	3.6	2.58
AI #226	0.74	55%	2.67	1.97	3.6	2.66
AI #227	0.44	55%	2.67	1.18	3.6	1.60
CI #228	0.33	55%	2.67	0.88	3.6	1.19
LINE #23						
FE #229						
JB #230						
AI #231	1.41	55%	2.67	3.76	3.6	5.07
AI #232	0.85	55%	2.67	2.27	3.6	3.06
AI #233	0.76	55%	2.67	2.02	3.6	2.72
CI #234	0.25	55%	2.67	0.67	3.6	0.91
CI #235	0.32	55%	2.67	0.84	3.6	1.14
CI #236	0.31	55%	2.67	0.84	3.6	1.13
CI #237	0.26	55%	2.67	0.69	3.6	0.93
CI #238	0.10	55%	2.67	0.27	3.6	0.37
AI #238A	0.59	5%	1.7	1.01	2.29	1.36
CI #239	0.07	55%	2.67	0.19	3.6	0.26
CI #240	0.14	55%	2.67	0.37	3.6	0.50
CI #241	0.17	55%	2.67	0.44	3.6	0.60
CI #242	0.23	55%	2.67	0.61	3.6	0.82
CI #243	0.51	55%	2.67	1.36	3.6	1.83
CI #244	0.21	55%	2.67	0.56	3.6	0.75
CI #245	0.69	55%	2.67	1.83	3.6	2.47
CI #246	0.21	55%	2.67	0.57	3.6	0.77
CI #247	0.22	55%	2.67	0.58	3.6	0.78

Q=API
Q= Runoff
A= Area (AC.)
P.I.= (CFS/AC.)

N/F ROLLING MEADOWS LTD 4--0036--0297--00--0002.3130000

FUTURE PHASES

RETENTION BASIN #1 100 YEAR HWL = 535.05

EMERGENCY OVERFLOW PATH

MEMSIE DRIVE

SOUTHERN VIEW DRIVE

STRUCTURE DRIVE

LONGHAVEN DRIVE

MEMSIE PARK COURT

MONTEREY QUARRY AVENUE

DALTONDALE BOULEVARD

MACKENZIE RIDGE DRIVE

CALEDONIA PARKWAY

STORM SEWER LINE #3A (PHASE 1)

STORM SEWER LINE #2B (PHASE 1)

STORM SEWER LINE #3 (CALEDONIA PKWY.)

PHASE 1

RETENTION BASIN #2

COMMERCIAL LOT 10

CITY OF O'FALLON 4--0068--0297--00--0003.3000000

STRUCTURE #132, 136, 147, 148, 149, 150, 151, 172, 181, & 217 NOT USED.

MAY, 2021

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• Civil Engineering
• Land Surveying
• Architecture
• Site Development
• General Consulting
• Master Planning
Missouri State Certificate of Authority Numbers:
Survey : 000380
Engineering : 001655
Architecture: 2002014240

Three working days prior to the start of any excavation on this site, contractor shall contact Missouri One Call for utility location information.

All OSHA rules & regulations established for the type of construction involved in these plans shall be strictly followed (ie. Trenching, Blasting, etc.)

STATE OF MISSOURI
ELLIOTT R. REED
NUMBER PE-2006002645
PROFESSIONAL ENGINEER

THE STREETS OF CALEDONIA
PHASE 3 RESIDENTIAL
O'FALLON, MISSOURI

STORM SEWER DRAINAGE AREA MAP - PHASE 3

DRN. BY:	APP'D. BY:
TES	ERR

DATE: MAY 25, 2021
SCALE: 1" = 80'
PROJ. NO.: 17--6821
DWG. NO.: C8.02

OWNER/DEVELOPER:
DD LAND DEVELOPMENT, LLC
10407 BAUR BLVD. SUITE B
ST. LOUIS, MO 63132

DWG NAME: F:\17-6821 - 260 Acre Tract along Hwy 40, O'Fallon, MO\AutoCad Drawings\6821 - Plan Sheets\Construction Drawings\Ph3 Residential Plans\14_Storm Sewer Drainage Area Map Phase 3.dwg LAYOUT TAB: STORM OVERVIEW PH3 PLOTTED ON: May 25, 2021 - 3:59pm PLOTTED BY: jmeyer
Drawing name: F:\17-6821 - 260 Acre Tract along Hwy 40, O'Fallon, MO\AutoCad Drawings\6821 - Plan Sheets\Construction Drawings\Ph3 Residential Plans\14_Storm Sewer Drainage Area Map Phase 3.dwg Tab: STORM OVERVIEW PH3 Plotted on: May 25, 2021 - 3:59pm Plotted by: jmeyer