Rev 11/6/95 - City of O'fallon

CHERRYWOOD PARC
PLAT TWO & PLAT THREE
STORM SEWER PROFILES

Scale: Horiz. 1"=50'
Vert. 1"=10'

FINAL SURVEY — DATE | BY | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | NOTE BOOK | NO.

ORIGINAL SURVEY — DATE | BY | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | NOTE BOOK | NO.

PLAT TWO

FE 2-1 — MH 2-1A — MH 2-2 — CI 2-3 — DCI 2-4 — MH 2-AA — OS 2-5

Ultimate T.Q.= 160.88 c.f.s.
T.Q. w/Plat Two = 141.43 c.f.s.

Ultimate T.Q.= 150.98 c.f.s.
T.Q. w/Plat Two = 136.92 c.f.s.

Ultimate T.Q.= 149.48 c.f.s.
T.Q. w/Plat Two = 134.11 c.f.s.

Ultimate T.Q.= 146.47 c.f.s.
T.Q. w Plat Two = 134.61 c.f.s.

Ultimate T.Q.= 141.72 c.f.s.

NOTE FOR OS 2-5
CONSTRUCT A TEMPORARY OUTFALL STRUCTURE (SEE DETAIL THIS SHEET) USING A PERFORATED 48" CMP STANDPIPE WITH A TOP AT 539.0.

To be extended w/ Future Development.

Proposed Grade (Typ.)
Granular Fill
Top of Berm 542.0
Bottom of Exist. Sediment Basin 533.0
Grouted Rip-Rap w/Energy Dissipators (See Detail Sheet 14 of 19)
3' Conc. Cut-off wall
Compacted Fill (Typ.)
Spillway @ Sump Pump
PC = 1+04.62
PT = 2+33.14
R = 85.00'
Δ = 90°00'00"
L = 133.52
PC = 1+33.59
PT = 1+53.31
R = 50.00'
L = 70.25'
Δ = 90°27'59"

104.62'-54" R.C.P. @ 0.0096'/ft
128.52'-54" R.C.P. @ 0.0096'/ft
105.80'-54" R.C.P. @ 0.0096'/ft
63.31'-54" R.C.P. @ 0.0096'/ft
70.25'-54" R.C.P. @ 0.0096'/ft

PLAT TWO

MH 2-2 — AI 2-6

Ultimate T.Q.= 6.15 c.f.s.
T.Q. w/Plat Two = 1.53 c.f.s.

NOTE FOR MH 2-2
STORM SEWER PIPE OVERDIG SHALL BE REPLACED WITH COMPACTED BACKFILL OR GRANULAR FILL TO AVOID FAILURE AT PIPE JOINTS.

See Note Above
Exist Ground (Typ.)
3-54" CMP Outlet N.I.E.E.
73'-18" A.D.S. @ 0.01'/ft

PLAT TWO

MH 2-2 — CI 2-7 — CI 2-8

T.Q. w/Plat Two = 2.98 c.f.s.
Ultimate T.Q. = 3.75 c.f.s.

T.Q. = 1.00 c.f.s.

See Note Above
Granular Fill
34'-15" R.C.P. @ 0.01'/ft
17'-15" A.D.S. @ 0.01'/ft

PLAT TWO

FE 2-10 — CI 2-11 — CI 2-12 — CI 2-13 — MH 2-14 — AI 2-15

T.Q. = 7.96 c.f.s.
T.Q. = 7.14 c.f.s.
T.Q. = 6.40 c.f.s.
T.Q. = 4.52 c.f.s.
T.Q. = 4.52 c.f.s.

Grouted Rip-Rap w/Energy Dissipators
Ex. Conc. Jersey Curb
3' Conc. Cut-off Wall
Granular Fill
Open Ditch
3 Sides Sloped N, E & W
Ex. 8" Sanitary
58'-15" R.C.P. @ 0.018'/ft
45'-15" A.D.S. @ 0.018'/ft
128'-15" A.D.S. @ 0.048'/ft
136'-15" A.D.S. @ 0.018'/ft
164'-15" A.D.S. @ 0.01'/ft

PLAT TWO

CI 2-13 — CI 2-16

T.Q. = 0.00 c.f.s.

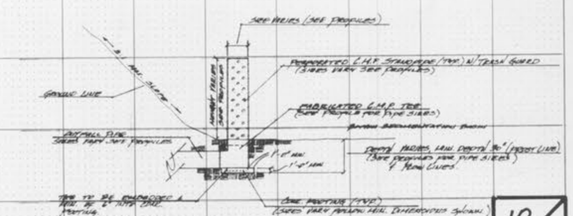
Granular Fill
34'-15" R.C.P. @ 0.01'/ft

PLAT TWO

FE 2-17 — CI 2-18 — CI 2-19 — AI 2-20

T.Q. = 8.85 c.f.s
T.Q. = 7.13 c.f.s.
T.Q. = 5.39 c.f.s.

Grouted Rip-Rap w/Energy Dissipators
3 Sides Sloped N, E & W
Ex. 8" Sanitary
37'-15" R.C.P. @ 0.025'/ft
141'-15" A.D.S. @ 0.024'/ft
121'-15" A.D.S. @ 0.024'/ft



Temporary Stand Pipe Detail (N.T.S.)

10/19

HIGHWAY FEDERAL AID SHEET
PLATE 3-FULL CROSS SECTION-LINE & DOT
NATIONAL PRINTFAST
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