GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING MANHOLE
- PROPOSED MANHOLE
- PROPOSED CURB INLET
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- 8" W. WATER LINE WITH SIZE
- FLARED END SECTION
- EXISTING POWER POLE
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- PROPOSED WATER METER
- PROPOSED "TEE" SECTION
- PROPOSED CAP
- TEST HOLE
- PROPOSED SINGLE LIGHT STANDARD
- PROPOSED DOUBLE LIGHT STANDARD
- MH 100 STORM SEWER
- MH 100 SANITARY SEWER
- SILTATION CONTROL
- EXISTING R.R. TRACKS
- EXISTING TREE LINE
- CONCRETE

U.G.E.	UNDERGROUND ELECTRIC
O.H.E.	OVERHEAD ELECTRIC
RCP	REINFORCED CONCRETE PIPE
PVC	POLY-VINYL CHLORIDE PIPE
SAN.	SANITARY SEWER
CONC.	CONCRETE
C.O.	CLEAN-OUT
R/W	RIGHT-OF-WAY
W.V.	WATER VALVE

FIRE PROTECTION VAULT FOR BACK-FLOW PREVENTOR SEE DETAIL SHT. C-5

APPROX. LOCATION END OF EXISTING 12" WATER MAIN INSTALLED BY CITY OF O'FALLON.

TEST HOLE B1

TEST HOLE B2

14'-0" x 17'-0" SPRINKLER ROOM OVER FF ELEV. w/ ACCESS

TEST HOLE B3

TEST HOLE B4

TEST HOLE B5

TEST HOLE B6

TEST HOLE B7

TEST HOLE B8

TEST HOLE B9

DA # 2
A = 0.68 Ac.
Q = 2.62 cfs

DA # 3
A = 0.52 Ac.
Q = 2.00 cfs

DA # 4
A = 0.52 Ac.
Q = 2.00 cfs

DA # 5
A = 0.52 Ac.
Q = 2.00 cfs

DA # 6
A = 0.52 Ac.
Q = 2.00 cfs

DA # 7
A = 0.98 Ac.
Q = 3.77 cfs

DA # 8
A = 0.15 Ac.
PI = 1.87 cfs/Ac.
Q = 0.28 cfs
(ONSITE TO OFFSITE)

TQ = 8.00 cfs
(ROOF DRAINS)
TO AI-115

PROPOSED BUILDING
No. 1 COMMERCE DRIVE
F.F. ELEV. = 502.50

FUTURE EXPANSION
(FINISHED GRADE ELEV. = 501.67)

DA # 1
A = 6.45 Ac.
PI = 1.87 cfs/Ac.
Q = 12.06 cfs
(ONSITE TO OFFSITE)

TQ = 7.35 cfs
(ROOF DRAINS)
TO CI-110

DA # 9
A = 0.19 Ac.
Q = 0.73 cfs

DA # 10
A = 0.19 Ac.
Q = 0.73 cfs

DA # 11
A = 0.23 Ac.
Q = 0.89 cfs

DA # 12
A = 0.26 Ac.
Q = 1.00 cfs

DA # 13
A = 0.26 Ac.
Q = 1.00 cfs

DA # 14
A = 0.26 Ac.
Q = 1.00 cfs

DA # 15
A = 0.26 Ac.
Q = 1.00 cfs

DA # 16
A = 0.26 Ac.
Q = 1.00 cfs

Contractor shall verify elevations of check valves with elevations of pipes to connect with.

DA # 17
A = 0.00 Ac.
Q = 2.31 cfs

DA # 18
A = 0.00 Ac.
Q = 0.31 cfs

DA # 19
A = 0.46 Ac.
Q = 1.77 cfs

DA # 22
A = 0.08 Ac.
Q = 0.31 cfs

TQ = 28.87 cfs

Ta = 17.44 cfs

Ta = 16.55 cfs

DA # 20
(ONSITE TO OFFSITE)
A = 0.12 Ac.
Q = 0.46 cfs

NOTE:
ALL SPOT ELEVATIONS & CONTOURS ARE TO FINISHED GRADES. SPOT ELEVATIONS IN PAVEMENT AREAS ARE TO BOTTOM OF CURB UNLESS OTHERWISE NOTED.

CONTRACTOR SHALL USE CAUTION WHEN EXCAVATING AT NEW ENTRANCE DUE TO EXISTING 6" GAS MAIN.

NOTE: P.I. FACTOR = 3.65 cfs/ac. UNLESS OTHERWISE NOTED

EAST TERRA LANE

PT = 99+29.12

PT = 94+81.96

PC = 90+50.78

Improvements to EAST TERRA LANE (By Others)

FUTURE ROAD (By others)

COMMERCE DRIVE (By others)

EX MH 9

EX AI 109

EX AI 108

EX STORM

EX SAN

FOR INFORMATION ONLY
NOT FOR CONSTRUCTION

PREPARED BY:

PICKETT RAY & SILVER

Civil Engineers
Planners
Land Surveyors

NEW DISTRIBUTION FACILITY

OWNER: McKesson Corporation

CONTRACTOR: R.W.Murray Co.

Revision Dates

Issue Date
3 6 90

Sheet Title
DRAINAGE AREA MAP

RWM Job Number
571

Sheet Number
C-2