A1 — STA 0+76.1 (STA 12+57.8 84.8' RT 2ND STREET)
CONC END SECTION, STD 542001, 27", 1:3, 1 EACH
TRAVERSABLE PIPE GRATE, STD 542311, 19.3 FT (2 PIPES)
FL = 412.50

A2 — STORM SEWERS, CLASS A, TYPE 2 27", 20.4'
USFL = 412.50 DSFL = 412.00 SLOPE = 2.4%

A3 — STA 1+00.0 (STA 12+65.0 62.0' RT 2ND STREET)
MH, TY A, 7'-Ø, TY 1 FR, CLSD LID,
RESTRICTOR PLATE, 1 EACH
TOP OF LID = 422.00
SUMP EL = 404.00

A4 — STORM SEWERS, CLASS A, TYPE 2 27", 88.2'
USFL = 412.00 DSFL = 411.50 SLOPE = 0.6%

A5 — STA 1+94.2 (STA 12+65.0 32.2' LT 2ND STREET)
MH, TY A, 5'-Ø, TY 1 FR, CLSD LID, 1 EACH
TOP OF LID = 417.25
INV EL = 411.10

B1 — STORM SEWER, DUCTILE IRON, TYPE 2 18"
175.4' SOUTH LINE
166.2' MIDDLE LINE
157.1' NORTH LINE

B2 — STA 6+65.5 (STA 12+11.8 53.1' RT 2ND STREET)
CONCRETE END SECTION, STD 542006, 18", 1:3, 3 EACH
FL = 419.00
FLAP GATE 18", 3 EACH

B3 — STORM SEWER, DUCTILE IRON, TYPE 2 8", 149.1'

B4 — STA 6+67.3 (STA 12+04.8 53.0' RT 2ND STREET)
CONCRETE END SECTION, STD 5420061, 15", 1:3, 1 EACH
FL = 419.00
FLAP GATE 8", 1 EACH

G1 — DOWNSPOUT CONNECTION, 2 EACH
SEE "A" SHEETS FOR LOCATIONS.

G2 — PIPE DRAIN 8", 96'
CONNECT TO DOWNSPOUT CONNECTIONS
PROVIDE 2 CLEANOUTS

G3 — CONCRETE HEADWALLS FOR PIPE DRAINS, 1 EACH
FL = 417.70

G4 — PIPE DRAIN 8", 95'
CONNECT TO WELL HOUSE OVERFLOW DRAINS.
PROVIDE 3 CLEANOUTS
PIPE DRAIN 4", 93'
TEE INTO 8" PIPE DRAIN FROM DOWNSPOUTS

G5 — CONCRETE HEADWALLS FOR PIPE DRAINS, 1 EACH
FL = 417.70

C1 — STA 11+36.7 FORCEMAIN VAULT
14.0' BY 11.0'
LID EL = 419.0
FLOOR EL = 410.5

C2 — STA 11+60.9 FORCEMAIN VAULT
14.0' BY 15.0'
LID EL = 419.0
FLOOR EL = 410.1

C3 — STA 13+65.3 FORCEMAIN VAULT
30.0' BY 14.0'
LID EL = 418.9
FLOOR EL = 404.9

C4 — FORCEMAIN VAULT
16.0' BY 12.0'
LID EL = 419.0
FLOOR EL = 409.5
HIGH DENSITY POLYETHYLENE PIPE 12", 48'

C5 — FORCEMAIN VAULT
16.0' BY 12.0'
LID EL = 418.8
FLOOR EL = 409.3
HIGH DENSITY POLYETHYLENE PIPE 12", 61'

C6 — FORCEMAIN VAULT
10.0' BY 8.0'
LID EL = 418.5
FLOOR EL = 406.0

C7 — FORCEMAIN VAULT
16.0' BY 10.0'
LID EL = 418.1
FLOOR EL = 408.6
HIGH DENSITY POLYETHYLENE PIPE 12", 137'

D1 — STA 11+85.0 6.4' LT
SANITARY SEWER CONNECTION, 1 EACH

D2 — SANITARY SEWER 4", 108'

D3 — STA 11+83.0 102.0' LT
MANHOLES, SANITARY, 5'-DIAMETER,
TY 1 FR, CLOSED LID, 1 EACH
TOP EL = 419.50
SUMP EL = 409.00

E1 — STA 10+75.0 14.0' RT
6" BY 4" PIPE TEE & VALVE
(BY OTHERS)
COORDINATE WITH WATER UTILITY

E2 — STA 10+75.1 32.9' RT
DOMESTIC METER VAULTS, 1 EACH
TOP OF LID = 418.5

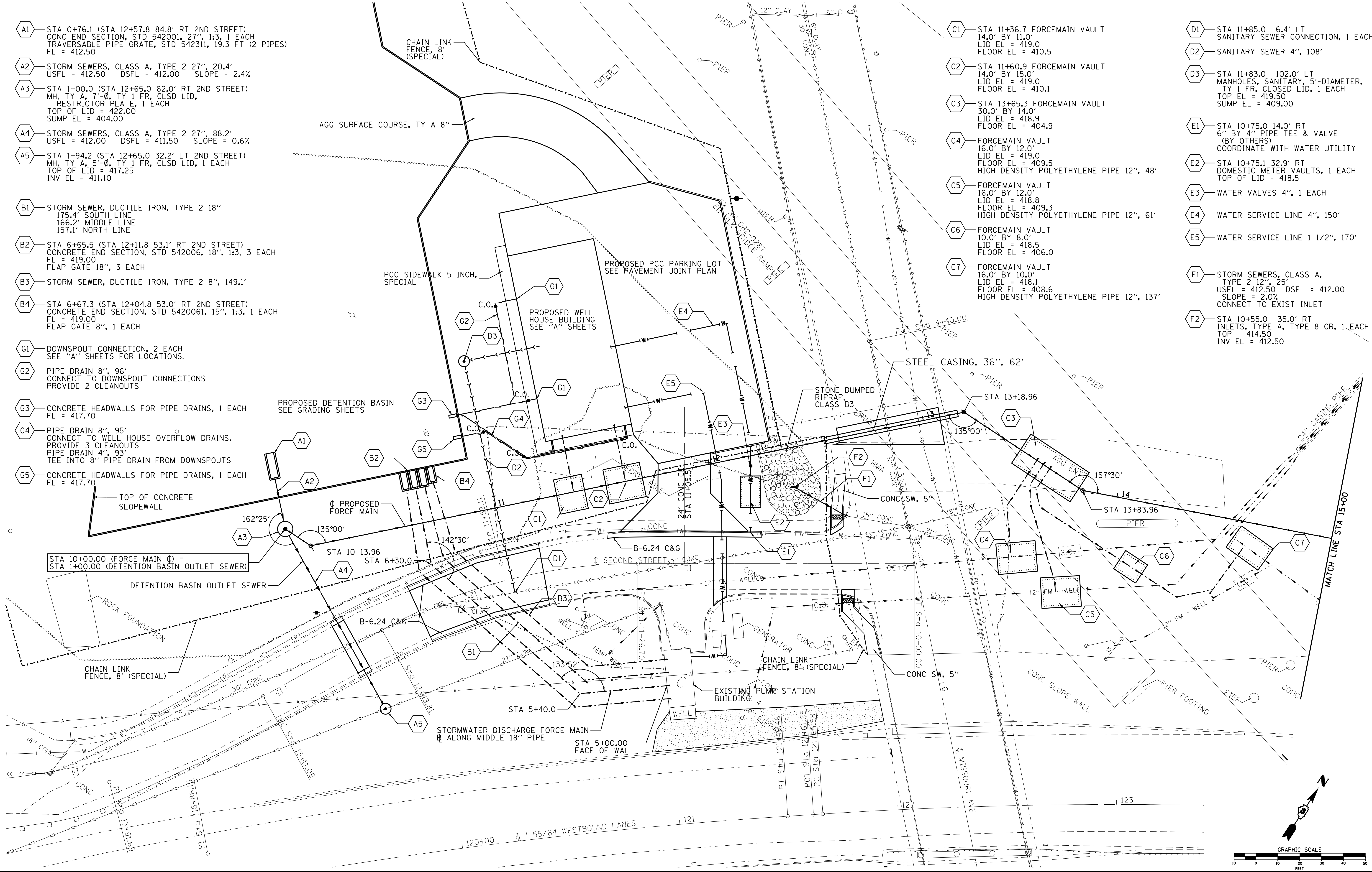
E3 — WATER VALVES 4", 1 EACH

E4 — WATER SERVICE LINE 4", 150'

E5 — WATER SERVICE LINE 1 1/2", 170'

F1 — STORM SEWERS, CLASS A,
TYPE 2 12", 25'
USFL = 412.50 DSFL = 412.00
SLOPE = 2.0%
CONNECT TO EXIST INLET

F2 — STA 10+55.0 35.0' RT
INLETS, TYPE A, TYPE 8 GR, 1 EACH
TOP = 414.50
INV EL = 412.50



KLINGNER & ASSOCIATES, P.C. Engineers · Architects · Surveyors	USER NAME = seb	DESIGNED - SEB	REVISED -
		DRAWN - SEB	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/23/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED FORCE MAIN & UTILITY PLAN
MISSOURI AVENUE DEEP WELL FACILITY

SCALE: 1"=20' | SHEET 1 OF 12 SHEETS | STA. 10+00 TO STA. 15+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-4T-1	ST. CLAIR	185	27
		CONTRACT NO. 76G99		
		ILLINOIS FED. AID PROJECT		