INSTALLATION NOTES

PRIOR TO BOX CULVERT CONSTRUCTION, PROPOSED WATER MAIN AND PROPOSED SANITARY SHALL BE INSTALLED AND OPERATIONAL.

THE PROPOSED WATER MAIN SHALL BE INSTALLED AND OPERATIONAL PRIOR TO THE INSTALLATION OF THE PROPOSED SANITARY SEWER.

SANITARY FLOWS SHALL BE MAINTAINED AT ALL TIMES.

A) PRESSURE CONNECTION @ WATER STRUCTURE (1)

B) INSTALL WM 1 TO WM 8, WATER STRUCTURE (2) & THE TEMPORARY FLUSHING HYDRANT OR BLOW-OFF VALVE OR OTHER VILLAGE APPROVED FLUSHING MECHANISM.

C) PERFORM TESTING ON INSTALLED WATER MAIN

D) FLUSH AND CHLORINATE INSTALLED WATER MAIN

E) VILLAGE TO ISOLATE EXISTING MAIN

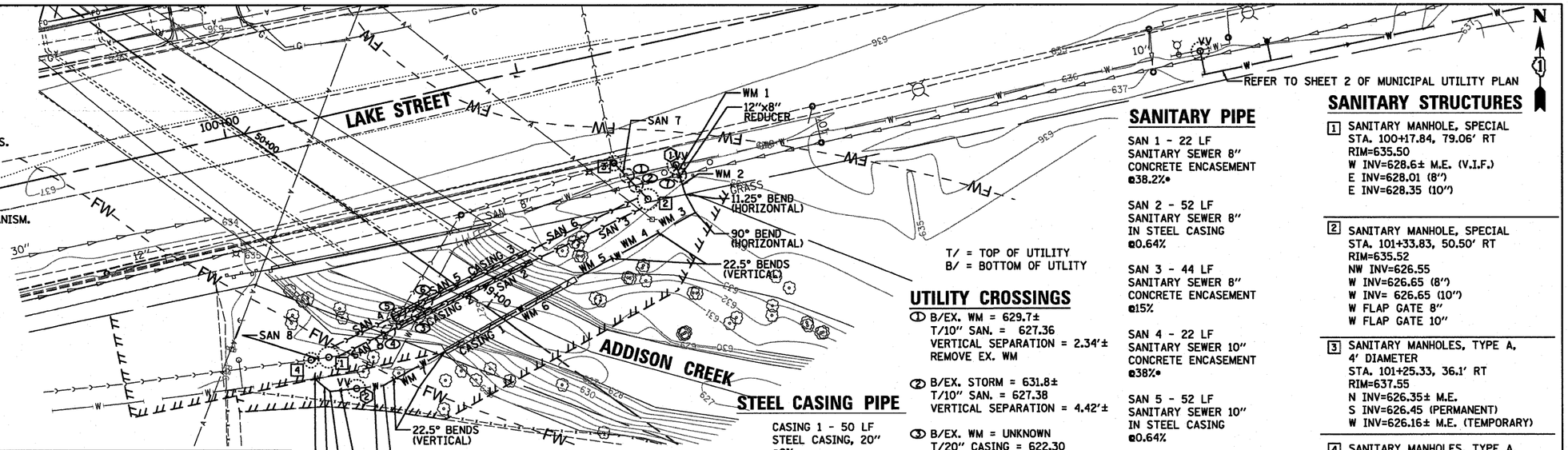
F) CAP EXISTING LINE TO WEST OF (1)

G) INSTALL WM 9 AND CONNECT TO EXISTING WATER MAIN

H) VILLAGE TO TURN WATER SYSTEM ON

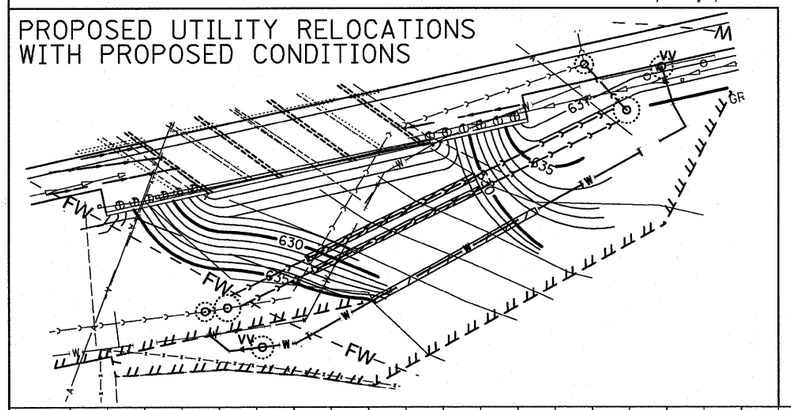
I) REMOVE / ABANDON SPECIFIED WATER MAIN

J) INSTALL PROPOSED SANITARY SYSTEM



T/ = TOP OF UTILITY
B/ = BOTTOM OF UTLITY

PROPOSED UTILITY RELOCATIONS WITH PROPOSED CONDITIONS



STEEL CASING PIPE

CASING 1 - 50 LF
STEEL CASING, 20"
@0%

CASING 2 - 50 LF
STEEL CASING, 20"
@0.64%

CASING 3 - 50 LF
STEEL CASING, 20"
@0.64%

WATER STRUCTURES

(1) PRESSURE CONNECTION, 8"X8", VALVE VAULT, TYPE A, TYPE 1 FRAME, CLOSED LID, SPECIAL
STA. 101+45.49, 41.3' RT
RIM=637.52

(2) VALVE VAULT, TYPE A, TYPE 1 FRAME, CLOSED LID, SPECIAL WITH GATE VALVE, 12"
STA. 100+24.74, 91.29' RT
RIM=635.50

UTILITY CROSSINGS

(1) B/EX. WM = 629.7±
T/10" SAN. = 627.36
VERTICAL SEPARATION = 2.34'±
REMOVE EX. WM

(2) B/EX. STORM = 631.8±
T/10" SAN. = 627.38
VERTICAL SEPARATION = 4.42'±

(3) B/EX. WM = UNKNOWN
T/20" CASING = 622.30
B/20" CASING = 620.57
REMOVE EX. WM

(4) B/EX. SAN = 626.2±
T/10" SAN. = 621.77
VERTICAL SEPARATION = 4.43'±
REMOVE EX. SAN.

(5) B/EX. SAN. = 626.15±
T/STEEL CASING = 622.39
T/10" SAN. = 621.97
VERTICAL SEPARATION = 3.76±
REMOVE EX. SAN.

(6) B/EX. WM. = UNKNOWN
T/STEEL CASING = 622.32
T/10" SAN. = 621.91
REMOVE EX. WM

(7) B/EX STORM = 632.00±
T/8" WM = 630.50
VERTICAL SEPARATION = 1.5'±

SANITARY PIPE

SAN 1 - 22 LF
SANITARY SEWER 8"
CONCRETE ENCASEMENT
@38.2%•

SAN 2 - 52 LF
SANITARY SEWER 8"
IN STEEL CASING
@0.64%

SAN 3 - 44 LF
SANITARY SEWER 8"
CONCRETE ENCASEMENT
@15%

SAN 4 - 22 LF
SANITARY SEWER 10"
CONCRETE ENCASEMENT
@38%•

SAN 5 - 52 LF
SANITARY SEWER 10"
IN STEEL CASING
@0.64%

SAN 6 - 44 LF
SANITARY SEWER 10"
CONCRETE ENCASEMENT
@15%

SAN 7 - 17 LF
SANITARY SEWER 10"
@0.64%

SAN 8 - 7 LF
SANITARY SEWER 10"
@0.6%± M.E. SLOPE & INVERTS

SANITARY STRUCTURES

(1) SANITARY MANHOLE, SPECIAL
STA. 100+17.84, 79.06' RT
RIM=635.50
W INV=628.6± M.E. (V.I.F.)
E INV=628.01 (8")
E INV=628.35 (10")

(2) SANITARY MANHOLE, SPECIAL
STA. 101+33.83, 50.50' RT
RIM=635.52
NW INV=626.55
W INV=626.65 (8")
W INV= 626.65 (10")
W FLAP GATE 8"
W FLAP GATE 10"

(3) SANITARY MANHOLES, TYPE A, 4' DIAMETER
STA. 101+25.33, 36.1' RT
RIM=637.55
N INV=626.35± M.E.
S INV=626.45 (PERMANENT)
W INV=626.16± M.E. (TEMPORARY)

(4) SANITARY MANHOLES, TYPE A, 4' DIAMETER WITH SLIDING GATE
STA. 100+12, 78.7' RT
RIM=635.6
INV=628.7± M.E.

•SLOPE BASED ON ELEVATION DIFFERENCE AT 22.5°

WATER MAIN

WM 1 - 4 LF DUCTILE IRON WATER MAIN, 8"

WM 2 - 14 LF DUCTILE IRON WATER MAIN, 12"

WM 3 - 14 LF DUCTILE IRON WATER MAIN, 12"

WM 4 - 20 LF DUCTILE IRON WATER MAIN, 12"

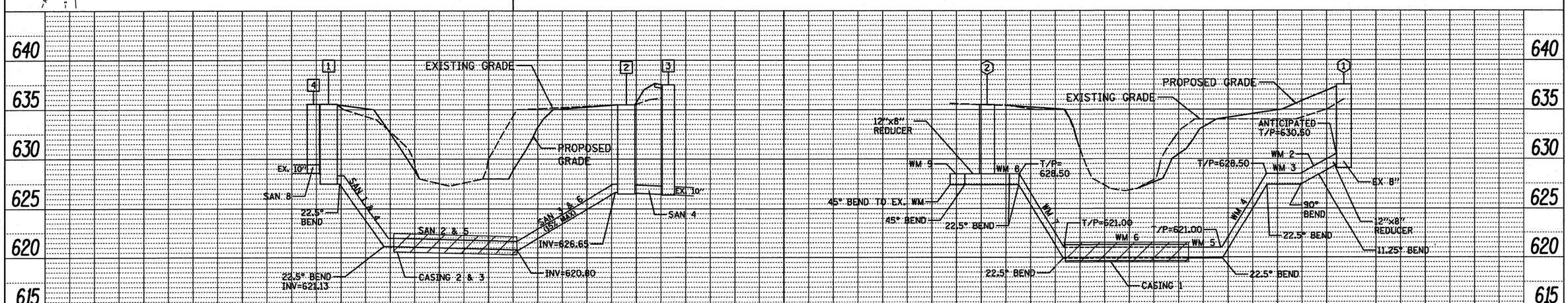
WM 5 - 14 LF DUTICLE IRON WATER MAIN, 12"

WM 6 - 50 LF DUCTILE IRON WATER MAIN, 12" IN STEEL CASING

WM 7 - 20 LF DUCTILE IRON WATER MAIN, 12"

WM 8 - 19 LF DUCTILE IRON WATER MAIN, 12"

WM 9 - 9 LF DUCTILE IRON WATER MAIN, 8"



SANITARY PROFILE

SCALE H: 1"=20'
V: 1"=5'

WATER MAIN PROFILE

SCALE H: 1"=20'
V: 1"=5'

Wight	USER NAME = @USER@	DESIGNED - KB	REVISED -
		DRAWN - CEY	REVISED -
	PLOT SCALE = @SCALE@	CHECKED -	REVISED -
	PLOT DATE = 3/3/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MUNICIPAL UTILITY PLAN
LAKE STREET OVER ADDISON CREEK

SCALE: 1"=20' | SHEET NO. 1 OF 2 SHEETS | STA. 100+24 TO STA. 101+45

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3537	3264-T	COOK	110	26

CONTRACT NO. 60H44

ILLINOIS | FED. AID PROJECT

FILE NAME = G:\ENG\06-6798-17 Lake St Triple Box Culvert\CAD\Civil\Sheets\06H44-Ent-San Profile.dgn