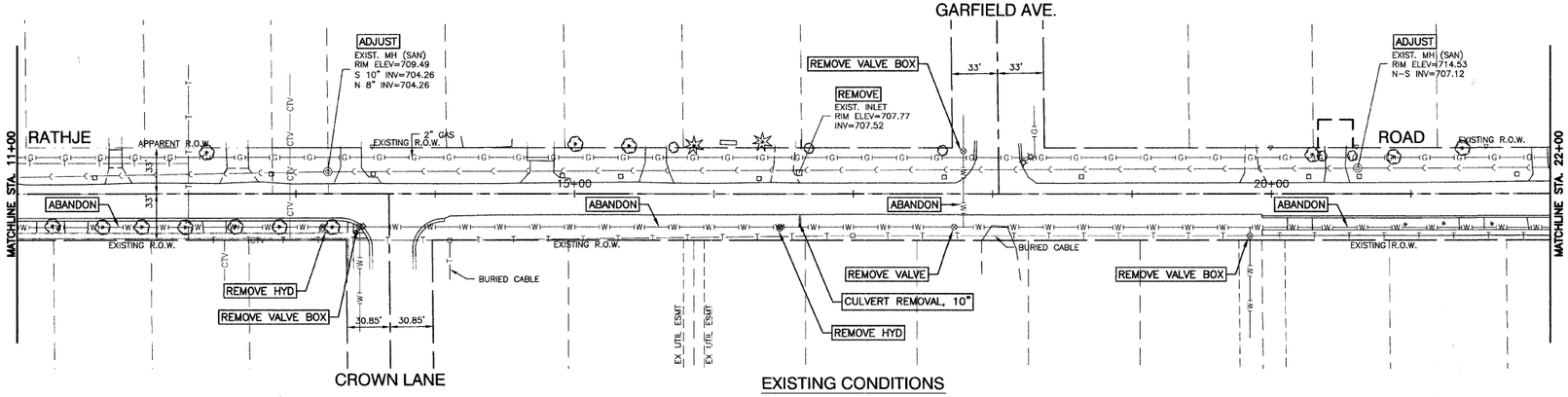
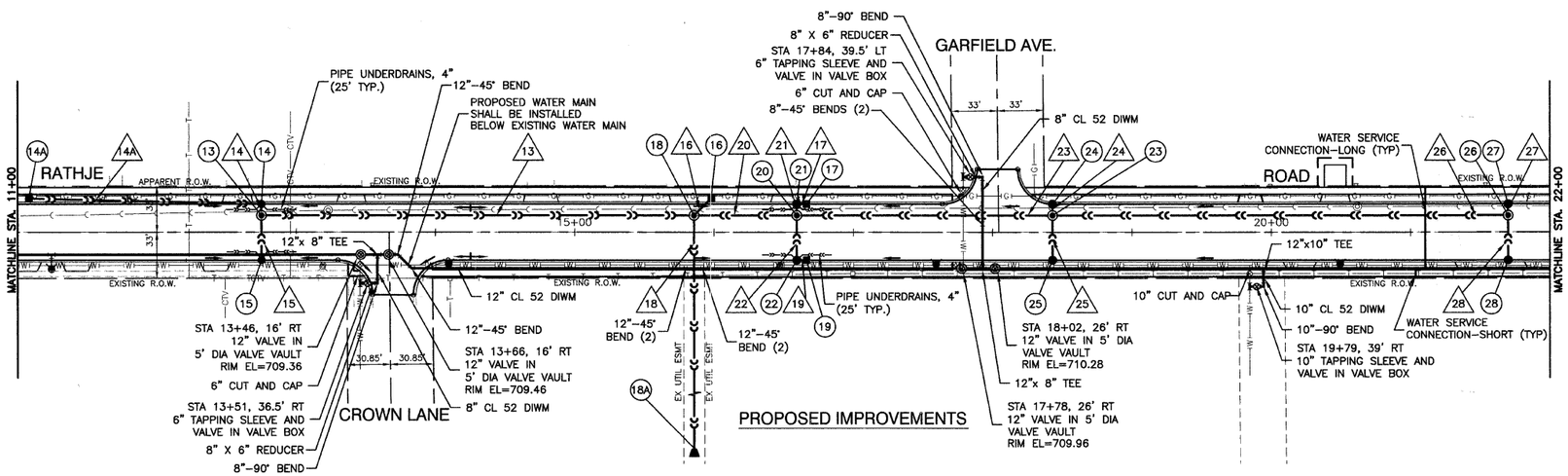
SECTION 23, TOWNSHIP 33, RANGE 12

F. A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
4304	04-00045-00-FP	WILL	033	011
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT #63108



EXISTING CONDITIONS



PROPOSED IMPROVEMENTS

(13)
STA 12+76.71, 12' LT
MH TA 4' DIA T1F & CL
RIM EL=709.21
N 15" INV=704.59
E 12" INV=704.69
W 12" INV=704.81

(14)
STA 12+76.71, 20' LT
CB TA T11 F&G
RIM EL=709.05
E 12" INV=704.85
S 8" INV=705.63

(14A)
STA 11+08.00, 24' RT
INLET TA T1F OL
RIM EL=709.80
N 8" INV=707.30

(15)
STA 12+76.71, 20' RT
CB TA T11 F&G
RIM EL=709.05
W 12" INV=704.85

(16)
STA 15+98.00, 24' LT
INLET TA T1F OL
RIM EL=708.60
SE 8" INV=706.60

(17)
STA 16+66.40, 20' LT
INLET TA T11 F&G
RIM EL=708.57
S 12" INV=704.70

(18)
STA 15+85.62, 12' LT
MH TA 5' DIA T1F CL
RIM EL=709.01
S 15" INV=703.20
N 21" INV=703.20
E 24" INV=703.10
NW 8" INV=706.43

(18A)
STA 15+85.62, 228' LT
24" FES
FL EL=702.00

(19)
STA 16+66.40, 20' RT
INLET TA T11 F&G
RIM EL=708.57
S 12" INV=704.70

(20)
STA 16+59.40, 12' LT
MH TA 4' DIA T1F CL
RIM EL=708.74
N 12" INV=704.03
S 21" INV=703.93
E 12" INV=704.22
W 12" INV=704.34

(21)
STA 16+59.40 20' LT
CB TA T11 F&G
RIM EL=708.49
E 12" INV=704.38
N 12" INV=704.50

(22)
STA 16+59.40, 20' RT
CB TA T11 F&G
RIM EL=708.49
W 12" INV=704.38
N 12" INV=704.50

(23)
STA 18+43, 12' LT
MH TA 4' DIA T1F & CL
RIM EL=710.74
N 12" INV=707.12
S 12" INV=707.02
E 12" INV=707.30
W 12" INV=707.42

(24)
STA 18+43, 20' LT
CB TA T11 F&G
RIM EL=710.58
E 12" INV=707.46

(25)
STA 18+43, 20' RT
CB TA T11 F&G
RIM EL=710.58
W 12" INV=707.46

(26)
STA 21+70, 12' LT
MH TA 4' DIA T1F CL
RIM EL=716.36
W 12" INV=711.96
E 12" INV=711.84
S 12" INV=711.74

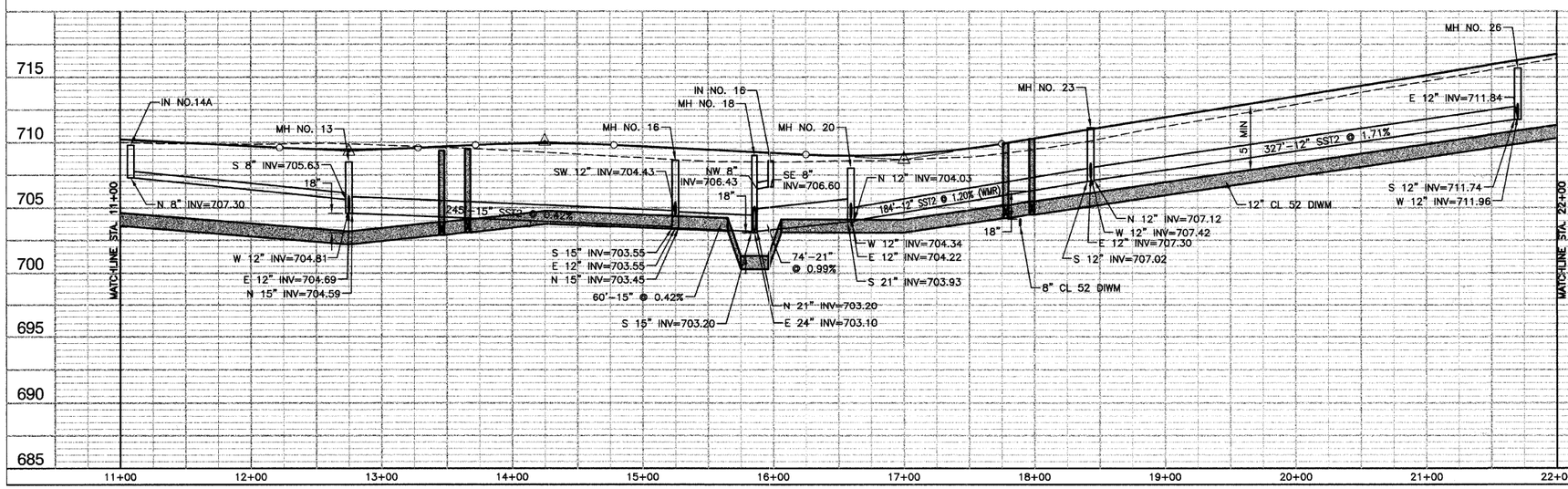
(27)
STA 21+70, 20' LT
CB TA T11 F&G
RIM EL=716.20
E 12" INV=712.00

(28)
STA 21+70 20' RT
CB TA T11 F&G
RIM EL=716.20
W 12" INV=712.00

(13) 305'-15" SST2 @0.42% (96.9)
(14) 8'-12" SST2 @0.50% (1.7)
(14A) 167-8" SST1 @1.00% (11.1)
(15) 32'-12" SST2 @0.50% (WMR) (6.5)
(16) 17'-8" SST1 @1.00% (0.5)
(17) 7'-12" SST2 @2.86% (1.9)
(18) 240'-24" SST2 @0.50% (WMR) (10.9)
(19) 7'-12" SST2 @2.86% (1.9)
(20) 74'-21" SST1 @0.99% (18.9)
(21) 8'-12" SST2 @0.50% (1.7)
(22) 32'-12" SST2 @0.50% (7.0)
(23) 184'-12" SST2 @1.51% (WMR) (58.4)
(24) 8'-12" SST1 @ 0.50% (1.3)
(25) 32'-12" SST2 @ 0.50% (7.0)
(26) 327'-12" SST2 @1.41% (67.5)
(27) 8'-12" SST2 @0.50% (1.7)
(28) 32'-12" SST2 @0.50% (7.0)

BENCH MARK:

BENCH MARK #26
R.R. SPIKE IN SOUTH FACE OF POWER POLE, 1ST PP
EAST OF RATHJE RD., NORTH SIDE CORNING AVE.
ELEVATION=711.24



LEGEND

- ◉ – PROPOSED MANHOLE
- ● – PROPOSED CB
- ■ – PROPOSED INLET
- ◎ – PROPOSED VALVE VAULT
- – PROPOSED HYDRANT WITH 6" AUX VALVE AND BOX AND TEE
- (WMR) – WATERMAIN QUALITY JOINT REQUIRED
- (0.0) – CUBIC YARDS TRENCH BACKFILL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

RATHJE ROAD
ROAD RECONSTRUCTION
DRAINAGE AND UTILITIES
STA 11+00 TO STA 22+00

SCALE: VERT. 1"=5'
HORIZ. 1"=50'
DATE 09-18-09

DRAWN BY MD/AG
CHECKED BY HLG/TG

ROBINSON ENGINEERING, LTD.
17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
(708) 331-6700 FAX (708) 331-3620
ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128.

05025_04-PLPR-01 (D02)