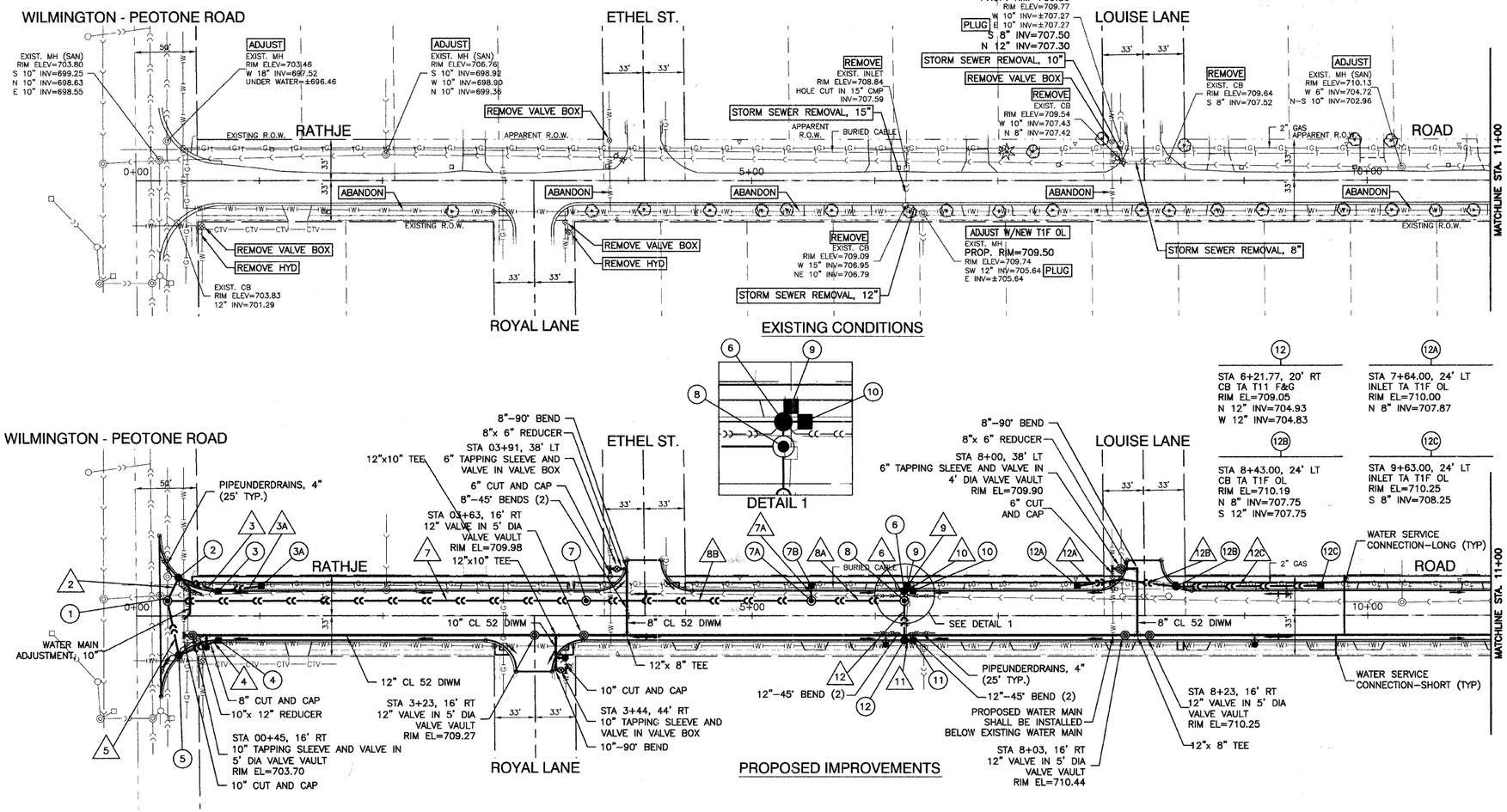
SECTION 23, TOWNSHIP 33, RANGE 12

F. A. Rte.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
4304	04-00045-00-FP	WILL	033	010
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT #63108

N



(1) STA 0+26, 12' LT
MH TA 5' DIA T1F & CL
(TO BE CONSTRUCTED OVER EXISTING 18" STORM SEWER)
RIM EL=703.64
EX E 18" INV=697.62
EX W 18" INV=697.62
NE 15" INV=699.48
NW 15" INV=699.63
N 24" INV=697.72±

(2) STA 0+34, 31' LT
CB TA T11 F&G
RIM EL=703.46
NE 12" INV=699.82
E 15" INV=699.72

(3) STA 0+66.40, 20' LT
INLET TA T1F OL
RIM EL=703.80
SW 12" INV=700.80
N 8" INV=700.80

(3A) STA 1+00.00, 24' LT
INLET TA T1F OL
RIM EL=703.60
S 8" INV=701.15

(4) STA 0+66.40, 20' RT
INLET TA T1F OL
RIM EL=703.80
SE 12" INV=700.80

(5) STA 0+34, 32' RT
CB TA T11 F&G
RIM EL=703.92
W 15" INV=699.70
NW 12" INV=699.80

(6) STA 6+21.77, 20' LT
CB TA T11 F&G
RIM EL=709.05
N 12" INV=704.93
W 12" INV=705.08
E 18" INV=704.83

(7) STA 3+65, 12' LT
MH TA 5' DIA T1 CL
RIM EL=710.08
N 18" INV=701.51
S 24" INV=701.41

(7A) STA 5+48.00, 12' LT
MH TA 4' DIA T1 CL
RIM EL=709.62
W 18" INV=707.58
N 18" INV=703.63
S 18" INV=703.63

(7B) STA 5+48.00, 24' LT
INLET TA T1F OL
RIM EL=709.70
E 8" INV=707.70

(8) STA 6+21.77, 12' LT
MH TA 4' DIA T1 CL
RIM EL=709.29
E 15" INV=704.59
W 18" INV=704.59
S 18" INV=704.49

(9) STA 6+20.91 25' LT
INLET TA T1F OPEN
(TO BE CONSTRUCTED OVER EXISTING 15" STORM SEWER)
RIM EL=709.89
EX W 15" INV=707.65±
E 15" INV=705.75

(10) STA 6+28.49, 24' LT
INLET TA T11 F&G
RIM EL=709.13
S 12" INV=705.43

(11) STA 6+28.49, 20' RT
INLET TA T11 F&G
RIM EL=709.13
S 12" INV=705.43

(12) STA 6+21.77, 20' RT
CB TA T11 F&G
RIM EL=709.05
N 12" INV=704.93
W 12" INV=704.83

(12A) STA 7+64.00, 24' LT
INLET TA T1F OL
RIM EL=710.00
N 8" INV=707.87

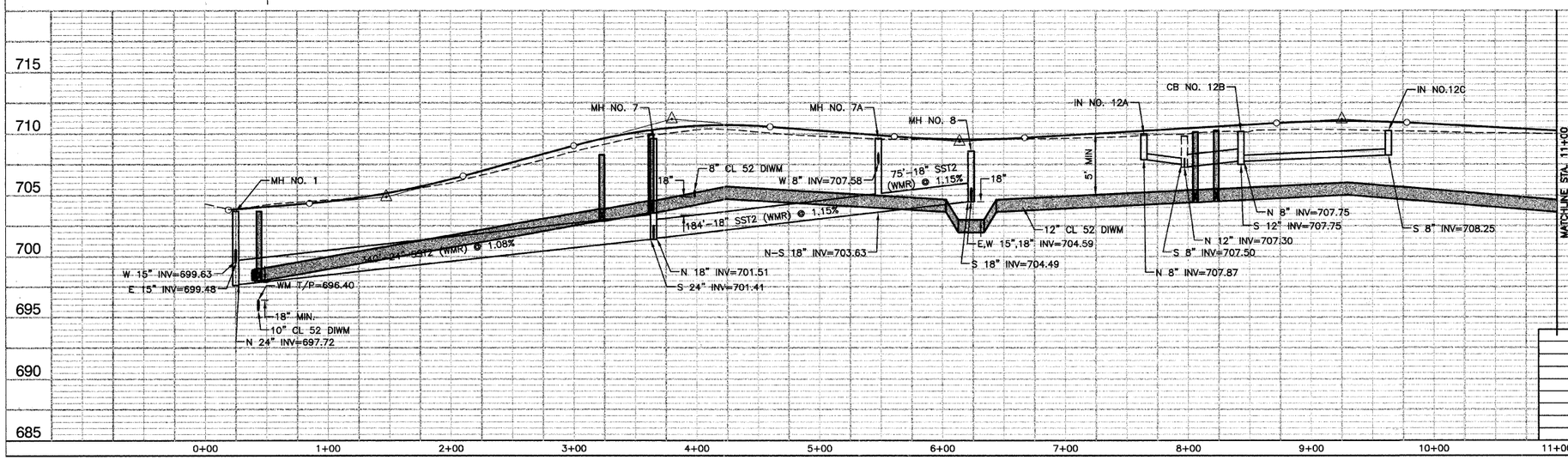
(12B) STA 8+43.00, 24' LT
CB TA T1F OL
RIM EL=710.19
N 8" INV=707.75
S 12" INV=707.75

(12C) STA 9+63.00, 24' LT
INLET TA T1F OL
RIM EL=710.25
S 8" INV=708.25

2	19'-15" SST1 @0.50% (WMR) (3.7)
3	33'-12" SST1 @2.97% (4.3)
3A	35'-8" SST1 @1.00% (0.5)
4	33'-12" SST1 @3.03% (WMR) (4.8)
5	44'-15" SST1 @0.50% (9.9)
6	8'-18" SST1 @3.00% (1.8)
7	340'-24" SST2 @1.08% (WMR) (310.5)
7A	12'-8" SST1 @1.00% (0.5)
8A	75'-18" SST2 @1.15% (54)
8B	184'-18" SST2 @1.15% (WMR) (133)
9	10'-15" SST1 @6.7%
10	7'-12" SST1 @10.00% (0.9)
11	7'-12" SST1 @10.00% (WMR) (0.8)
12	32'-15" SST1 @1.06% (WMR) (7.5)
12A	33'-8" SST1 @1.0% (0.5)
12B	45'-12" SST1 @0.50% (2.0)
12C	120'-8" SST1 @0.42% (2.2)

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
BEGIN IMPROVEMENTS TO STA 11+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) 331-3826
ILLINOIS DESIGN FIRM REGISTRATION NO. 184001126.

05025_04-PLPR-01 (D01)