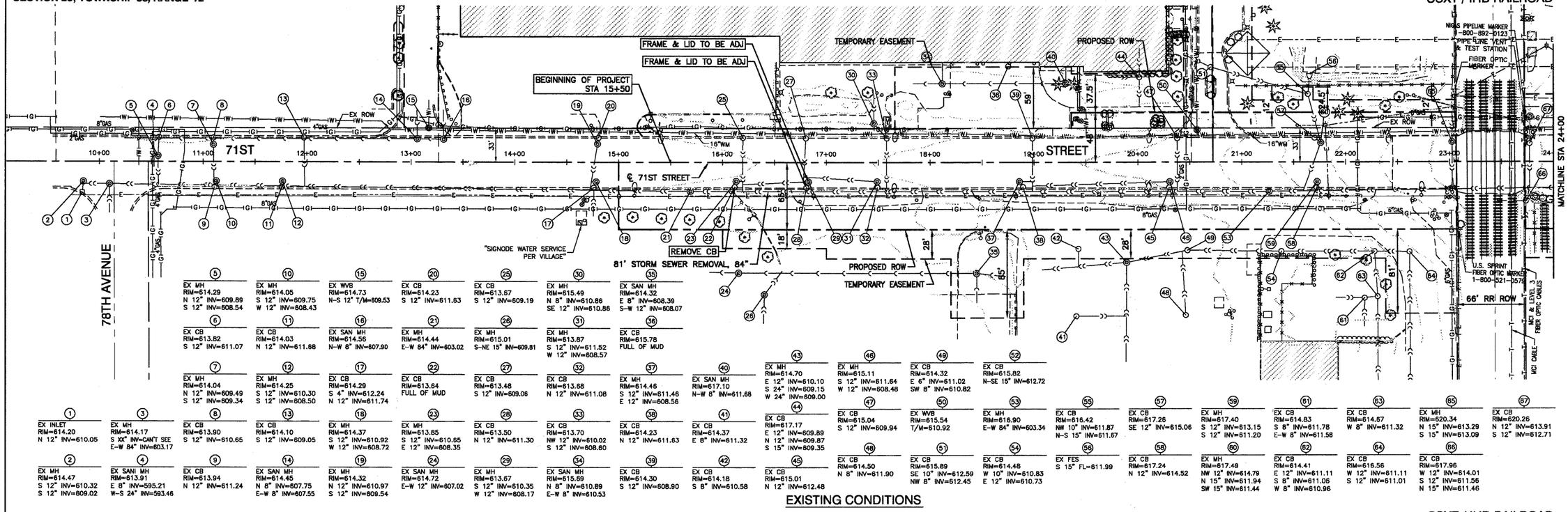
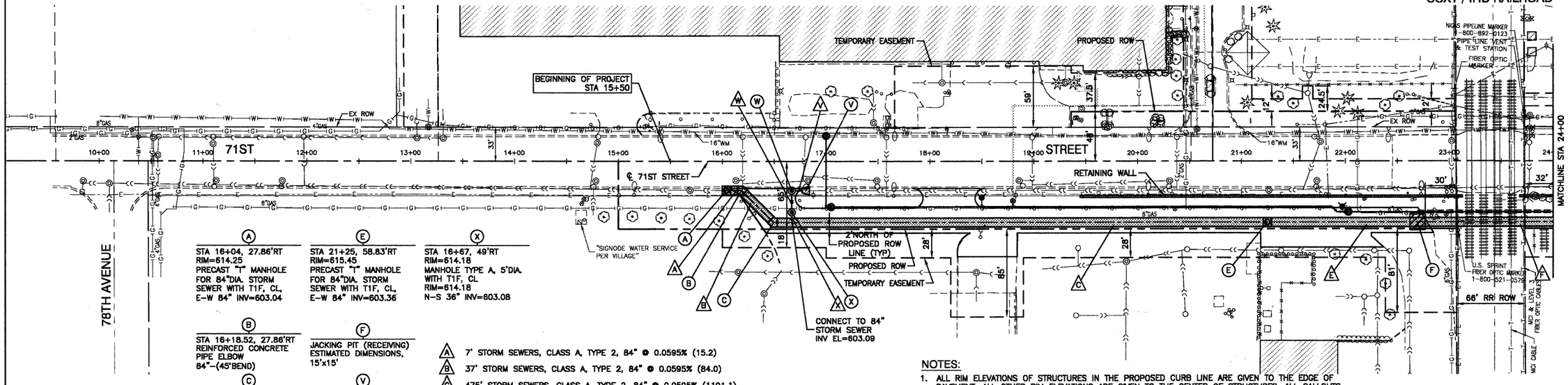
SECTION 24, TOWNSHIP 38, RANGE 12
SECTION 25, TOWNSHIP 38, RANGE 12



(5) EX MH RIM=614.29 N 12" INV=609.89 S 12" INV=608.54
(10) EX MH RIM=614.05 S 12" INV=609.75 W 12" INV=608.43
(15) EX WVB RIM=614.73 N-S 12" T/M=609.53
(20) EX CB RIM=614.23 S 12" INV=611.63
(25) EX CB RIM=613.67 S 12" INV=609.19
(30) EX MH RIM=615.49 N 8" INV=610.86 SE 12" INV=610.86
(35) EX SAN MH RIM=614.32 E 8" INV=608.39 S-W 12" INV=608.07
(6) EX CB RIM=613.82 S 12" INV=611.07
(11) EX CB RIM=614.03 N 12" INV=611.68
(16) EX SAN MH RIM=614.56 N-W 8" INV=607.90
(21) EX MH RIM=614.44 E-W 84" INV=603.02
(26) EX MH RIM=615.01 S-NE 15" INV=609.81
(31) EX MH RIM=613.87 S 12" INV=611.52 W 12" INV=608.57
(36) EX CB RIM=615.78 FULL OF MUD
(7) EX MH RIM=614.04 N 12" INV=609.49 S 12" INV=609.34
(12) EX MH RIM=614.25 S 12" INV=610.30 S 12" INV=608.50
(17) EX CB RIM=614.29 S 4" INV=612.24 N 12" INV=611.74
(22) EX CB RIM=613.64 FULL OF MUD
(27) EX CB RIM=613.48 S 12" INV=609.08
(32) EX CB RIM=613.68 N 12" INV=611.08
(37) EX MH RIM=614.46 S 12" INV=611.46 E 12" INV=608.56
(40) EX SAN MH RIM=617.10 N-W 8" INV=611.68
(43) EX MH RIM=614.70 E 12" INV=610.10 S 24" INV=609.15 W 24" INV=609.00
(46) EX MH RIM=615.11 S 12" INV=611.64 W 12" INV=608.48
(49) EX CB RIM=614.32 E 6" INV=611.02 SW 8" INV=610.82
(52) EX CB RIM=615.82 N-SE 15" INV=612.72
(1) EX INLET RIM=614.20 N 12" INV=610.05
(3) EX MH RIM=614.17 S XX" INV=CAN'T SEE E-W 84" INV=603.17
(8) EX CB RIM=613.90 S 12" INV=610.65
(13) EX CB RIM=614.10 S 12" INV=609.05
(18) EX MH RIM=614.37 S 12" INV=610.92 W 12" INV=608.72
(23) EX MH RIM=613.85 S 12" INV=610.65 E 12" INV=608.35
(28) EX CB RIM=613.50 N 12" INV=611.30
(33) EX CB RIM=613.70 NW 12" INV=610.02 S 12" INV=608.60
(38) EX CB RIM=614.23 N 12" INV=611.63
(41) EX CB RIM=614.37 E 8" INV=611.32
(44) EX CB RIM=617.17 E 12" INV=609.89 N 12" INV=609.87 S 15" INV=609.35
(47) EX CB RIM=615.04 S 12" INV=609.94
(50) EX WB RIM=615.54 T/M=610.92
(53) EX MH RIM=616.90 E-W 84" INV=603.34
(55) EX CB RIM=616.42 NW 10" INV=611.87 N-S 15" INV=611.67
(57) EX CB RIM=617.26 SE 12" INV=615.06
(59) EX MH RIM=617.40 S 12" INV=613.15 S 12" INV=611.20
(61) EX CB RIM=614.83 S 8" INV=611.78 E-W 8" INV=611.58
(63) EX CB RIM=614.67 W 8" INV=611.32
(65) EX MH RIM=620.34 N 15" INV=613.29 S 15" INV=613.09
(67) EX CB RIM=620.25 N 12" INV=613.91 S 12" INV=612.71
(2) EX MH RIM=614.47 S 12" INV=610.32 S 12" INV=609.02
(4) EX SANI MH RIM=613.91 E 8" INV=595.21 W-S 24" INV=593.46
(9) EX CB RIM=613.94 N 12" INV=611.24
(14) EX SAN MH RIM=614.45 N 8" INV=607.75 E-W 8" INV=607.55
(19) EX MH RIM=614.32 N 12" INV=610.97 S 12" INV=609.54
(24) EX SAN MH RIM=614.72 E-W 12" INV=607.02
(29) EX MH RIM=613.67 S 12" INV=610.35 W 12" INV=608.17
(34) EX SAN MH RIM=615.89 N 8" INV=610.89 E-W 8" INV=610.53
(39) EX CB RIM=614.30 S 12" INV=608.90
(42) EX CB RIM=614.18 S 8" INV=610.58
(45) EX CB RIM=615.01 N 12" INV=612.48
(48) EX CB RIM=614.50 N 8" INV=611.90
(51) EX CB RIM=615.89 SE 10" INV=612.59 NW 8" INV=612.45
(54) EX CB RIM=614.48 W 10" INV=610.83 E 12" INV=610.73
(56) EX FES S 15" FL=611.99
(58) EX CB RIM=617.24 N 12" INV=614.52
(60) EX MH RIM=617.49 NW 12" INV=614.79 N 15" INV=611.94 SW 15" INV=611.44
(62) EX CB RIM=614.41 E 12" INV=611.11 S 8" INV=611.06 W 8" INV=610.96
(64) EX CB RIM=616.56 W 12" INV=611.11 S 12" INV=611.01
(66) EX CB RIM=617.96 W 12" INV=614.01 S 12" INV=611.56 N 15" INV=611.46

EXISTING CONDITIONS



(A) STA 16+04, 27.86'RT RIM=614.25 PRECAST "T" MANHOLE FOR 84"DIA. STORM SEWER WITH T1F, CL, E-W 84" INV=603.04

(B) STA 16+18.52, 27.86'RT REINFORCED CONCRETE PIPE ELBOW 84"-(45'BEND)

(C) STA 16+49.5, 58.84'RT REINFORCED CONCRETE PIPE ELBOW 84"-(45'BEND)

(E) STA 21+25, 58.83'RT RIM=615.45 PRECAST "T" MANHOLE FOR 84"DIA. STORM SEWER WITH T1F, CL, E-W 84" INV=603.36

(F) JACKING PIT (RECEIVING) ESTIMATED DIMENSIONS, 15'x15'

(V) STA 16+80.5, 28'RT PRECAST TRANSITION PIPE 84"x36" DIA. STORM SEWER

(W) STA 16+67, 28'RT RIM=613.60 MANHOLE TYPE A, 5'DIA. WITH T1F, CL E-S 36" INV=603.09

(X) STA 16+67, 49'RT RIM=614.18 MANHOLE TYPE A, 5'DIA. WITH T1F, CL RIM=614.18 N-S 36" INV=603.08

(A) 7' STORM SEWERS, CLASS A, TYPE 2, 84" @ 0.0595% (15.2)
(B) 37' STORM SEWERS, CLASS A, TYPE 2, 84" @ 0.0595% (84.0)
(C) 475' STORM SEWERS, CLASS A, TYPE 2, 84" @ 0.0595% (1191.1)
(E) 148' STORM SEWERS, CLASS A, TYPE 2, 84" @ 0.02% (1454.7)
(F) 128' STORM SEWERS, JACKED IN PLACE, CLASS A, 84" @ 0.02%
(V) 7.5' STORM SEWERS, CLASS A, TYPE 2, 36" @ 0.057% (15.2)
(W) 21' STORM SEWERS, CLASS A, TYPE 2, 36" @ 0.048% (44.1)
(X) 5' STORM SEWERS, CLASS A, TYPE 2, 36" @ 0.098% (10.9)

PROPOSED IMPROVEMENT

NOTES:
1. ALL RIM ELEVATIONS OF STRUCTURES IN THE PROPOSED CURB LINE ARE GIVEN TO THE EDGE OF PAVEMENT. ALL OTHER RIM ELEVATIONS ARE GIVEN TO THE CENTER OF STRUCTURES. ALL CALLOUTS REFERENCE THE CENTERLINE OF CONSTRUCTION OF 71ST STREET.
2. (X.X) – DENOTES CUBIC YARDS OF TRENCH BACKFILL.
3. DIRECT CONNECTIONS OF STORM SEWERS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STORM SEWER.
4. WHEN 10FT SEPARATION IS NOT MAINTAINED BETWEEN THE WATER MAIN AND 84" RCP THE JOINTS OF THE PIPE SHALL BE SEALED WITH TYLOX, TYPE C GASKETS, OR AN APPROVED EQUIVALANT CONFORMING TO ASTM STANDARDS C443 AND C361. GASKETS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF STORM SEWER WHEN REQUIRED.

BENCH MARK: BVW249
SQUARE CUT ON N CONC BASE OF RR SIGNAL MAST ARM BASE ON S ROW OF 71ST STREET
½ MILE WEST OF HARLEM AVENUE
ELEVATION=620.57

PLAN: SURVEYED; PLOTTED; ALIGNMENT CHECKED; REF. FILE ATTACHED; CADD FILE NAME; NOTE BOOK; NO.; BY; DATE
PROFILE: SURVEYED; PLOTTED; GRADES CHECKED; B.M. NOTED; NOTE BOOK

FILE NAME = 06053-PLPR-01 - P01	USER NAME =	DESIGNED — PKB	REVISED —
		CHECKED — PKB	REVISED —
	PLOT SCALE =	DRAWN — PS	REVISED —
	PLOT DATE = 12/23/10	CHECKED — AG	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

71ST STREET
STORM SEWER PLAN - 84"
SCALE: 1"=50' | SHEET NO. 44 OF 209 SHEETS | STA. 15+50 | TO STA. 24+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1537	06-00050-00-GS	COOK	209	44
		CONTRACT NO. 63556		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT CRE-9003(709)		