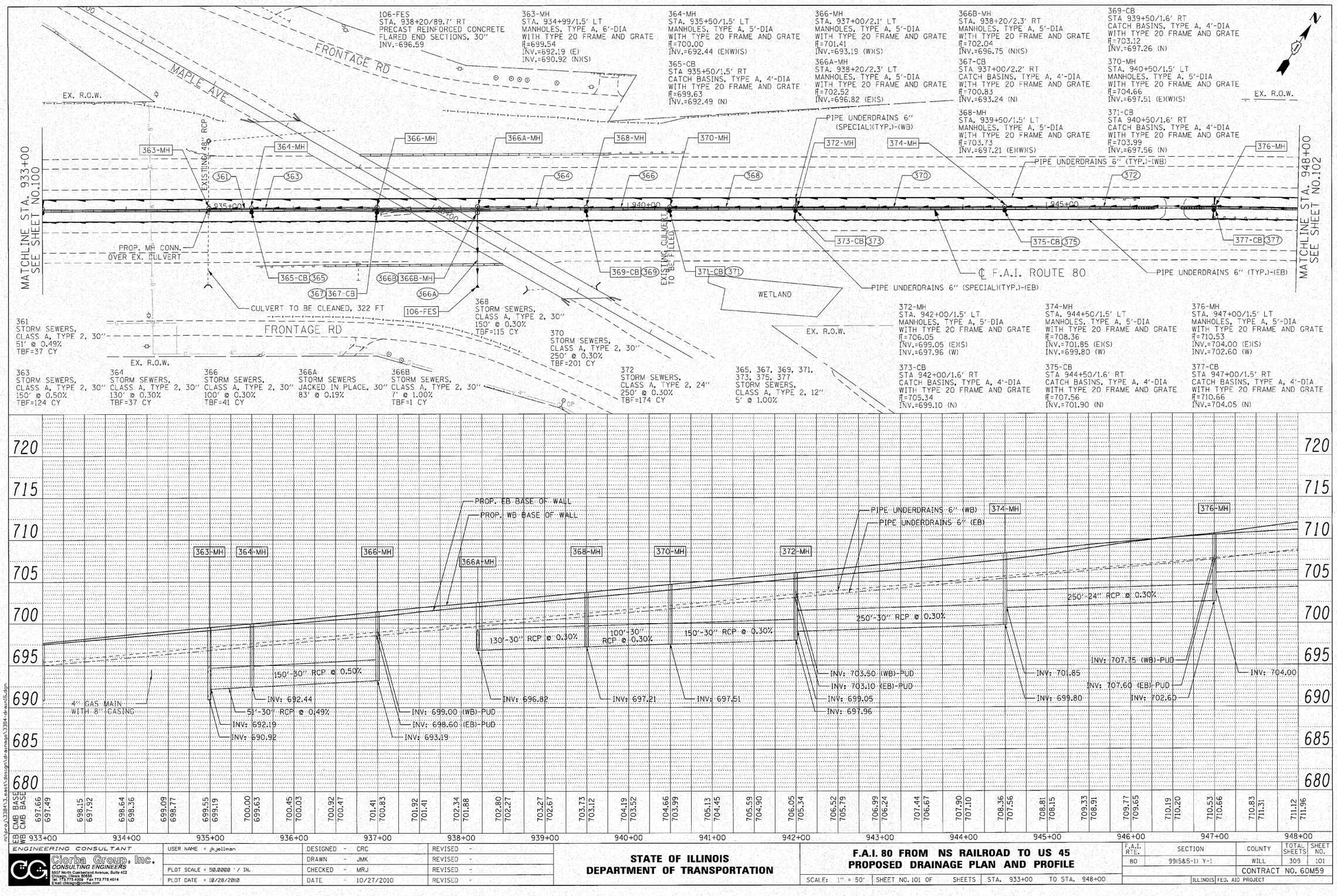

PLAN / PROFILE — SURVEYED / DRAWN / GRADES CHECKED / BLM. NOTED / STNDS/DWE. NOTATNS CHKED — NOTE BOOK NO. — BY — DATE

ENGINEERING CONSULTANT
Ciorba Group, Inc.
CONSULTING ENGINEERS
5007 North Cumberland Avenue, Suite 422
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014
E-mail chicago@ciorba.com

USER NAME = jkjellman	DESIGNED - CRC	REVISED -	
	DRAWN - JMK	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - MRJ	REVISED -	
PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
PROPOSED DRAINAGE PLAN AND PROFILE

SCALE: 1" = 50' | SHEET NO. 101 OF SHEETS | STA. 933+00 | TO STA. 948+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	101
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

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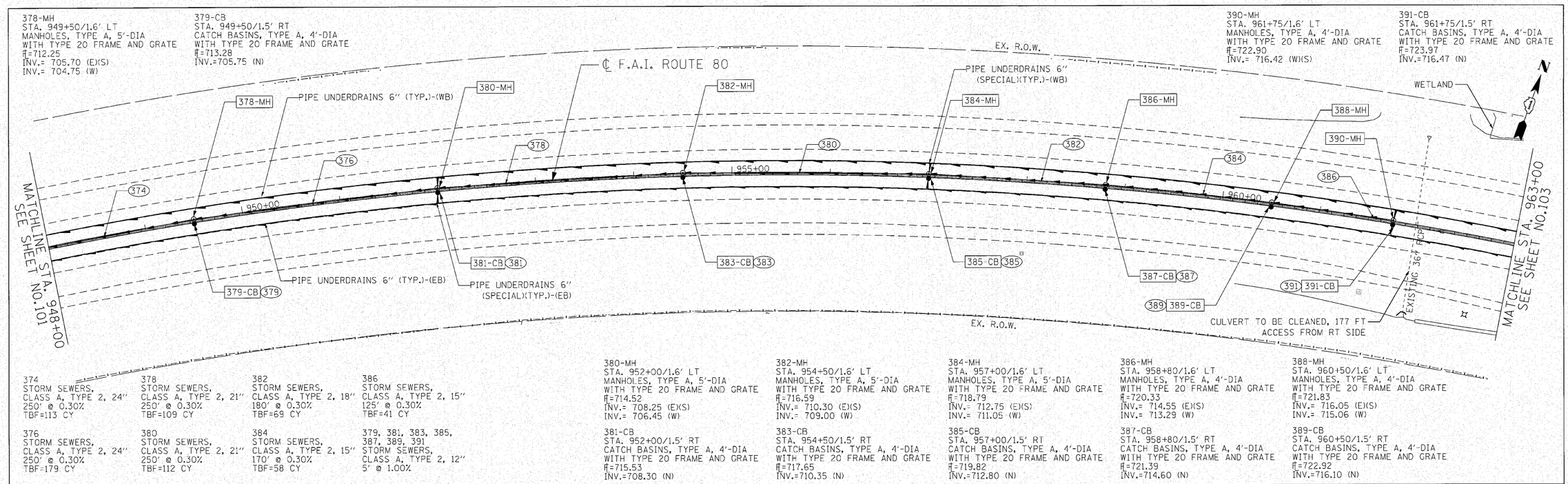


374
STORM SEWERS,
CLASS A, TYPE 2, 24"
250' @ 0.30%
TBF=113 CY

376
STORM SEWERS,
CLASS A, TYPE 2, 24"
250' @ 0.30%
TBF=179 CY

378
STORM SEWERS,
CLASS A, TYPE 2, 21"
250' @ 0.30%
TBF=109 CY

380
STORM SEWERS,
CLASS A, TYPE 2, 21"
250' @ 0.30%
TBF=112 CY

382
STORM SEWERS,
CLASS A, TYPE 2, 18"
180' @ 0.30%
TBF=69 CY

384
STORM SEWERS,
CLASS A, TYPE 2, 15"
170' @ 0.30%
TBF=58 CY

386
STORM SEWERS,
CLASS A, TYPE 2, 15"
125' @ 0.30%
TBF=41 CY

379, 381, 383, 385, 387, 389, 391
STORM SEWERS,
CLASS A, TYPE 2, 12"
5' @ 1.00%

380-MH
STA. 952+00/1.6' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=714.52
INV.= 708.25 (E)(S)
INV.= 706.45 (W)

381-CB
STA. 952+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=715.53
INV.=708.30 (N)

382-MH
STA. 954+50/1.6' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=716.59
INV.= 710.30 (E)(S)
INV.= 709.00 (W)

383-CB
STA. 954+50/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=717.65
INV.=710.35 (N)

384-MH
STA. 957+00/1.6' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=718.79
INV.= 712.75 (E)(S)
INV.= 711.05 (W)

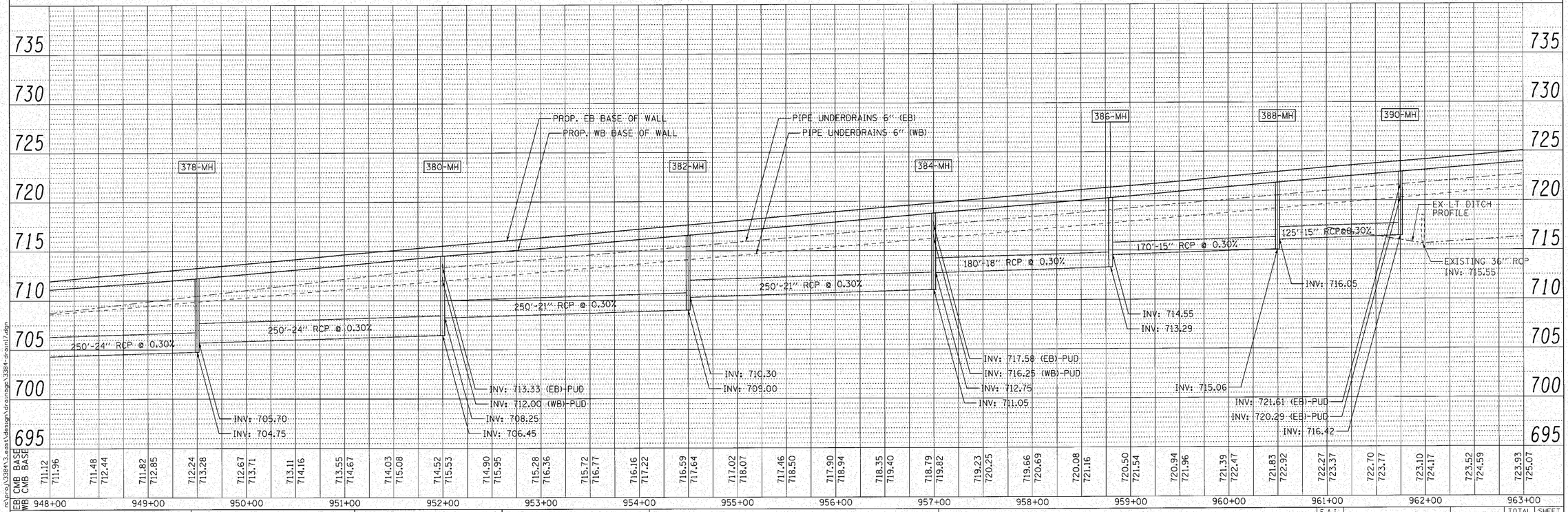
385-CB
STA. 957+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=719.82
INV.=712.80 (N)

386-MH
STA. 958+80/1.6' LT
MANHOLES, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=720.33
INV.= 714.55 (E)(S)
INV.= 713.29 (W)

387-CB
STA. 958+80/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=721.39
INV.=714.60 (N)

388-MH
STA. 960+50/1.6' LT
MANHOLES, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=721.83
INV.= 716.05 (E)(S)
INV.= 715.06 (W)

389-CB
STA. 960+50/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=722.92
INV.=716.10 (N)



PLAN
SURVEYED
DRAWN
ALIGNMENT CHECKED
STA. OF MATCHLINES CHECKED
FOR FIT MARK
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
DRAWN
GRADES CHECKED
B.M. NOTED
STRUCTURE NO'S/MK'S CHKED
NOTE BOOK
NO.
BY
DATE

n:\proj\33813.east\design\drainage\384-drain1.dgn

ENGINEERING CONSULTANT
Clorba Group, Inc.
CONSULTING ENGINEERS
5207 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Phone: 773.775.4005 Fax: 773.775.4014
Email chicago@clorba.com

USER NAME = jkjellman	DESIGNED - CRC	REVISED -
	DRAWN - JMK	REVISED -
PLOT SCALE = 50.0000 ' / IN.	CHECKED - MRJ	REVISED -
PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
PROPOSED DRAINAGE PLAN AND PROFILE

SCALE: 1" = 50' | SHEET NO. 102 OF SHEETS | STA. 948+00 | TO STA. 963+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	102
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

392-MH
STA. 964+25/1.6' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
ℍ=725.06
INV.=718.50 (E)(S)(N)

393-CB
STA. 964+25/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
ℍ=726.14
INV.=718.55 (N)

394-MH
STA. 966+75/1.6' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
ℍ=727.22
INV.=720.70 (E)(S)
INV.=719.75 (W)

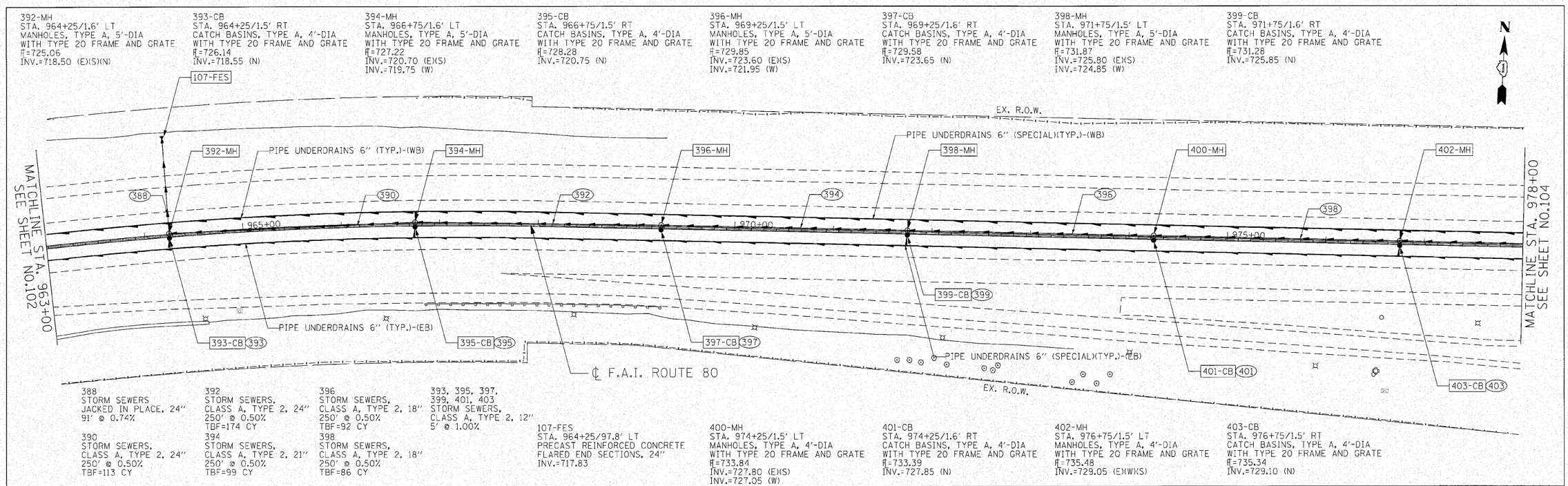
395-CB
STA. 966+75/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
ℍ=728.28
INV.=720.75 (N)

396-MH
STA. 969+25/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
ℍ=729.85
INV.=723.60 (E)(S)
INV.=721.95 (W)

397-CB
STA. 969+25/1.6' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
ℍ=729.58
INV.=723.65 (N)

398-MH
STA. 971+75/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
ℍ=731.87
INV.=725.80 (E)(S)
INV.=724.85 (W)

399-CB
STA. 971+75/1.6' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
ℍ=731.28
INV.=725.85 (N)



388
STORM SEWERS
JACKED IN PLACE, 24"
91' @ 0.74%

390
STORM SEWERS,
CLASS A, TYPE 2, 24"
250' @ 0.50%
TBF=113 CY

392
STORM SEWERS,
CLASS A, TYPE 2, 24"
250' @ 0.50%
TBF=174 CY

394
STORM SEWERS,
CLASS A, TYPE 2, 21"
250' @ 0.50%
TBF=99 CY

396
STORM SEWERS,
CLASS A, TYPE 2, 18"
250' @ 0.50%
TBF=92 CY

398
STORM SEWERS,
CLASS A, TYPE 2, 18"
250' @ 0.50%
TBF=86 CY

393, 395, 397,
399, 401, 403
STORM SEWERS,
CLASS A, TYPE 2, 12"
5' @ 1.00%

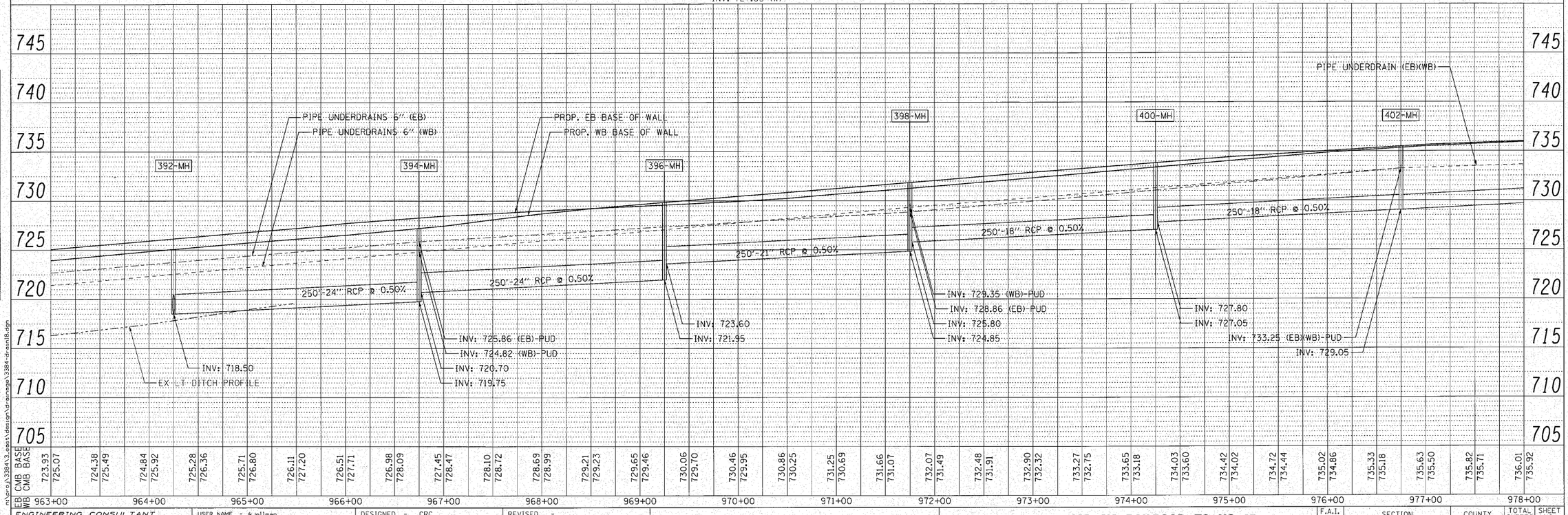
107-FES
STA. 964+25/97.8' LT
PRECAST REINFORCED CONCRETE
FLARED END SECTIONS, 24"
INV.=717.83

400-MH
STA. 974+25/1.5' LT
MANHOLES, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
ℍ=733.84
INV.=727.80 (E)(S)
INV.=727.05 (W)

401-CB
STA. 974+25/1.6' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
ℍ=733.39
INV.=727.85 (N)

402-MH
STA. 976+75/1.5' LT
MANHOLES, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
ℍ=735.48
INV.=729.05 (E)(W)(S)

403-CB
STA. 976+75/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
ℍ=735.34
INV.=729.10 (N)



	963+00	964+00	965+00	966+00	967+00	968+00	969+00	970+00	971+00	972+00	973+00	974+00	975+00	976+00	977+00	978+00
EB CMB BASE	723.93	724.38	724.84	725.28	725.71	726.11	726.51	726.98	727.45	728.10	728.69	729.21	729.65	730.06	730.46	730.86	731.25	731.66	732.07	732.48	732.90	733.27	733.65	734.03	734.42	734.72	735.02	735.33	735.63	735.82	736.01
WB CMB BASE	725.07	725.49	725.92	726.36	726.80	727.20	727.71	728.09	728.47	728.72	728.99	729.23	729.46	729.70	729.95	730.25	730.69	731.07	731.49	731.91	732.32	732.75	733.18	733.60	734.02	734.44	734.86	735.18	735.50	735.71	735.92

ENGINEERING CONSULTANT	USER NAME = jkjellman	DESIGNED - CRC	REVISED -
Ciorba Group, Inc. CONSULTING ENGINEERS 5607 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel 773.775.4008 Fax 773.775.4014 E-mail chicago@ciorba.com		DRAWN - JMK	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - MRJ	REVISED -
	PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
PROPOSED DRAINAGE PLAN AND PROFILE

SCALE: 1" = 50' | SHEET NO. 103 OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	103
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

PLAN
SURVEYED
DRAWN
ALIGNMENT CHECKED
R.T. OF WAY CHECKED
PLAN FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
DRAWN
GRADES CHECKED
R.W. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

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404-MH
STA. 979+00/1.5' LT
MANHOLES, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
H=736.39
INV.=730.18 (W)(S)

405-CB
STA. 979+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
H=736.35
INV.=730.23 (N)

406-MH
STA. 979+47/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
H=736.56
INV.=730.48 (E)
INV.=726.61 (N)(S)

407-MH
STA. 980+70/1.5' LT
MANHOLES, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
H=737.03
INV.=730.85 (E)(W)(S)

408-CB
STA. 980+70/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
H=736.99
INV.=730.90 (N)

409-MH
STA. 982+00/1.5' LT
MANHOLES, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
H=736.77
INV.=731.24 (W)(S)

410-CB
STA. 982+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
H=736.74
INV.=731.29 (N)

411-MH
STA. 984+50/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
H=736.25
INV.=729.54 (E)(S)

412-CB
STA. 984+50/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
H=736.35
INV.=729.59 (N)

413-MH
STA. 986+60/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
H=735.49
INV.=727.41 (E)
INV.=728.91 (W)(S)

414-CB
STA. 986+60/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
H=735.52
INV.=728.96 (N)

415-MH
STA. 988+70/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
H=734.60
INV.=726.78 (W)(S)
INV.=726.28 (E)

416-CB
STA. 988+70/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
H=734.57
INV.=726.83 (N)

417-MH
STA. 990+80/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
H=733.67
INV.=725.65 (E)(W)(S)

418-CB
STA. 990+80/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
H=733.61
INV.=725.70 (N)

419-MH
STA. 993+00/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
H=732.73
INV.=724.99 (E)(W)(S)

420-CB
STA. 993+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
H=732.69
INV.=725.04 (N)

EX. R.O.W.

PROP. MH CONN.
OVER EX. CULVERT

℄ F.A.I. ROUTE 80

PIPE UNDERDRAINS 6" (SPECIAL)(TYP.)-(WB)

PIPE UNDERDRAINS 6" (TYP.)-(WB)

MATCHLINE STA. 978+00
SEE SHEET NO.103

MATCHLINE STA. 993+00
SEE SHEET NO.105

EXISTING 36" RCP

PIPE UNDERDRAINS 6" (TYP.)-(EB)

PIPE UNDERDRAINS 6" (SPECIAL)(TYP.)-(EB)

EXISTING CULVERT
TO BE FILLED

CULVERT TO BE CLEANED, 275 FT

EX. R.O.W.

OFFICE

WEIGH STATION

400
STORM SEWERS,
CLASS A, TYPE 2, 18"
225' @ 0.50%
TBF=80 CY

402
STORM SEWERS,
CLASS A, TYPE 2, 12"
123' @ 0.30%
TBF=39 CY

404
STORM SEWERS,
CLASS A, TYPE 2, 12"
130' @ 0.30%
TBF=38 CY

406
STORM SEWERS,
CLASS A, TYPE 2, 24"
210' @ 0.30%
TBF=83 CY

407
STORM SEWERS,
CLASS A, TYPE 2, 24"
210' @ 0.30%
TBF=178 CY

409
STORM SEWERS,
CLASS A, TYPE 2, 24"
210' @ 0.30%
TBF=187 CY

411
STORM SEWERS,
CLASS A, TYPE 2, 30"
220' @ 0.30%
TBF=182 CY

405, 408, 410, 412,
414, 416, 418, 420
STORM SEWERS,
CLASS A, TYPE 2, 12"
5' @ 1.00%

PROFILE

123'-12" RCP @ 0.30%
130'-12" RCP @ 0.30%
210'-24" RCP @ 0.30%
210'-24" RCP @ 0.30%
210'-24" RCP @ 0.30%
220'-30" RCP @ 0.30%
225'-18" RCP @ 0.50%

PIPE UNDERDRAINS 6" (EB)(WB)

PROP. EB BASE OF WALL

PROP. WB BASE OF WALL

INV: 730.48
EXISTING 36" RCP
INV: 726.61
INV: 730.18
INV: 730.85
INV: 734.83 (EB)(WB)-PUD
INV: 731.24
INV: 734.08 (EB)(WB)-PUD
INV: 729.54
INV: 728.91
INV: 727.41
INV: 726.78
INV: 732.19 (EB)(WB)-PUD
INV: 726.28
INV: 725.65
INV: 730.25 (EB)(WB)-PUD
INV: 724.99

	978+00	979+00	980+00	981+00	982+00	983+00	984+00	985+00	986+00	987+00	988+00	989+00	990+00	991+00	992+00	993+00
EB	CMB BASE	736.01	736.20	736.38	736.57	736.76	736.95	737.14	736.95	736.77	736.95	736.78	736.60	736.43	736.25	736.08	735.90	735.73	735.53	735.33	735.11	734.89	734.68	734.47	734.22	734.00	733.79	733.59	733.38	733.16	732.95	732.73
WB	CMB BASE	735.92	736.14	736.35	736.54	736.73	736.91	737.10	736.92	736.74	737.06	736.88	736.71	736.53	736.35	736.18	736.00	735.79	735.56	735.34	735.12	734.91	734.67	734.43	734.19	733.99	733.75	733.51	733.31	733.11	732.90	732.69

ENGINEERING CONSULTANT
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Email: chicago@clorba.com

USER NAME = jkjellman	DESIGNED - CRC	REVISED -	
	DRAWN - JMK	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - MRJ	REVISED -	
PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
PROPOSED DRAINAGE PLAN AND PROFILE

SCALE: 1" = 50' | SHEET NO. 104 OF SHEETS | STA. 978+00 | TO STA. 993+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	104
		CONTRACT NO. 60M59		
		ILLINOIS	FED. AID PROJECT	

PLAN
PROFILE
SURVEYED
DRAWN
ALIGNMENT CHECKED
PROFILE CHECKED
NOTE BOOK
NO.
BY
DATE
ALIGNMENT APPROVED
PROFILE APPROVED
FILE NAME =
STRUCTURE (NOT A "NS" CRKD)

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421-MH
STA. 994+50/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=732.11
INV.=723.54 (E)
INV.=724.54 (W)(S)

422-CB
STA. 994+50/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=732.04
INV.=724.59 (N)

423-MH
STA. 997+00/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=730.93
INV.=722.79 (E)(W)(S)

424-CB
STA. 997+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=730.93
INV.=722.84 (N)

425-MH
STA. 999+50/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=729.84
INV.=722.04 (E)(W)(S)

426-CB
STA. 999+50/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=729.82
INV.=722.09 (N)

427-MH
STA. 1002+00/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=728.73
INV.=721.29 (W)(S)(E)

427A-MH
STA. 1003+70/1.5' LT
MANHOLES, TYPE A, 6'-DIA
WITH TYPE 20 FRAME AND GRATE
RESTRICTOR PLATE
℄=727.98
INV.=720.78 (W)(E)

428-CB
STA. 1002+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=728.72
INV.=721.34 (N)

EX. R.O.W.

PIPE UNDERDRAINS 6" (TYP.)-(WB)
PIPE UNDERDRAINS 6" (SPECIAL)(TYP.)-(WB)
℄ F.A.I. ROUTE 80
CULVERT TO BE CLEANED, 209 FT
PROP. MH CONN. OVER EX. CULVERT
RESTRICTOR PLATE
PIPE UNDERDRAINS 6" (TYP.)-(EB)
WEIGH STATION RAMP
PIPE UNDERDRAINS 6" (SPECIAL)(TYP.)-(EB)
EXISTING 36" RCP
EX. R.O.W.

MATCHLINE STA. 993+00
SEE SHEET NO.104

MATCHLINE STA. 1008+00
SEE SHEET NO.106

413
STORM SEWERS,
CLASS A, TYPE 2, 30"
150' @ 0.30%
TBF=116 CY

415
STORM SEWERS,
CLASS A, TYPE 2, 30"
250' @ 0.30%
TBF=233 CY

417
STORM SEWERS,
CLASS A, TYPE 2, 30"
250' @ 0.30%
TBF=211 CY

419
STORM SEWERS,
CLASS A, TYPE 2, 36"
250' @ 0.30%
TBF=184 CY

421
STORM SEWERS,
CLASS A, TYPE 2, 36"
170' @ 0.30%
TBF=112 CY

421A
STORM SEWERS,
CLASS A, TYPE 2, 30"
25' @ 0.32%
TBF=17 CY

423
STORM SEWERS,
CLASS A, TYPE 2, 15"
250' @ 0.30%
TBF=80 CY

422, 424, 426, 428, 431, 433
STORM SEWERS,
CLASS A, TYPE 2, 12"
5' @ 1.00%

430-MH
STA. 1004+50/1.5' LT
MANHOLES, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=727.64
INV.=721.39 (E)(S)

431-CB
STA. 1004+50/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=727.61
INV.=721.44 (N)

432-MH
STA. 1007+00/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=726.56
INV.=718.89 (E)
INV.=720.64 (W)(S)

433-CB
STA. 1007+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=726.54
INV.=720.69 (N)

429-MH
STA. 1003+95/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=727.89
INV.=720.70 (W)
INV.=718.70 (N)(S)

PLAN
SURVEYED
ALIGNMENT CHECKED
GRADES CHECKED
BLM. NOTES
UTILITIES NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
ALIGNMENT
GRADES CHECKED
BLM. NOTES
UTILITIES NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

421-MH
423-MH
425-MH
427-MH
427A-MH RESTRICTOR PLATE
429-MH
430-MH
432-MH

PROP. EB BASE OF WALL
PROP. WB BASE OF WALL
PIPE UNDERDRAINS 6" (EB)(WB)

150'-30" RCP @ 0.30%
250'-30" RCP @ 0.30%
250'-30" RCP @ 0.30%
250'-36" RCP @ 0.30%
170'-36" RCP @ 0.30%
250'-15" RCP @ 0.30%
25'-30" RCP @ 0.32%
EXISTING 36" RCP

INV: 724.54
INV: 723.54
INV: 728.65 (EB)(WB)-PUD
INV: 722.79
INV: 722.04
INV: 726.53 (EB)(WB)-PUD
INV: 721.29
RESTRICTOR PLATE
ORIFICE SIZE = 19"
OVERFLOW = 724.28
INV: 720.78
INV: 720.70
INV: 718.70
INV: 721.39
INV: 724.28 (EB)(WB) PUD
INV: 720.64
INV: 718.89

EB	732.73	732.52	732.30	732.11	731.87	731.63	731.40	731.17	730.93	730.73	730.53	730.30	730.07	729.84	729.61	729.40	729.18	728.96	728.73	728.51	728.29	728.06	727.87	727.64	727.45	727.19	726.98	726.77	726.56	726.33	726.10
CMB	732.69	732.48	732.26	732.04	731.82	731.59	731.36	731.13	730.93	730.71	730.45	730.24	730.02	729.82	729.62	729.39	729.17	728.94	728.72	728.49	728.21	728.02	727.83	727.61	727.39	727.16	726.98	726.76	726.54	726.29	726.04
BASE																															

993+00 994+00 995+00 996+00 997+00 998+00 999+00 1000+00 1001+00 1002+00 1003+00 1004+00 1005+00 1006+00 1007+00 1008+00

745 740 735 730 725 720 715 710 705

n:\proj\3384\3_east\design\drainage\3384-drain20.dgn

ENGINEERING CONSULTANT	USER NAME = jkjellman	DESIGNED - CRC	REVISED -
Clorba Group, Inc. CONSULTING ENGINEERS 6007 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel. 773.775.4008 Fax 773.775.4014 Email chicago@clorba.com		DRAWN - JMK	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - MRJ	REVISED -
	PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
PROPOSED DRAINAGE PLAN AND PROFILE

SCALE: 1" = 50' | SHEET NO. 105 OF SHEETS | STA. 993+00 | TO STA. 1008+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	105
		CONTRACT NO. 60M59		
		ILLINOIS FED. AID PROJECT		

434-MH
STA. 1009+50/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=725.47
INV.=718.14 (E)(W)(S)

435-CB
STA. 1009+50/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=725.38
INV.=718.19 (N)

436-MH
STA. 1012+00/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=724.38
INV.=717.39 (E)(W)(S)

EX. R.O.W.

437-CB
STA. 1012+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=724.30
INV.=717.44 (N)

438-MH
STA. 1014+50/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=723.21
INV.=716.65 (E)(W)(S)

439-CB
STA. 1014+50/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=723.18
INV.=716.70 (N)

107A-FES
STA. 1015+20/85.1' LT
PRECAST REINFORCED CONCRETE
FLARED END SECTIONS, 36"
INV.=717.03

107B-FES
STA. 1015+20/86.2' RT
PRECAST REINFORCED CONCRETE
FLARED END SECTIONS, 36"
INV.=716.03

440-MH
STA. 1014+96/1.5' LT
MANHOLES, TYPE A, 6'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=723.01
INV.=716.51 (W)(N)(S)

440A-MH
STA. 1015+20/1.5' LT
MANHOLES, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=722.91
INV.=716.51 (E)(N)(S)

438A-MH
STA. 1014+75/1.5' LT
MANHOLES, TYPE A, 6'-DIA
WITH TYPE 20 FRAME AND GRATE
RESTRICTOR PLATE
℄=723.10
INV.=716.57 (E)(W)

N

MATCHLINE STA. 1008+00
SEE SHEET NO.105

MATCHLINE STA. 1023+00
SEE SHEET NO.107

℄ F.A.I. ROUTE 80

WOLF RD

PIPE UNDERDRAINS 6" (TYP.)-(WB)
PIPE UNDERDRAINS 6" (SPECIAL)(TYP.)-(WB)
PROP. MH CONN. OVER EX. CULVERT
RESTRICTOR PLATE
UNDERDRAIN CONNECTION TO STRUCTURE
UNDERDRAIN CONNECTION TO STRUCTURE
CULVERT TO BE CLEANED, 176 FT
ACCESS FROM LT SIDE
EXISTING 36" RCP
PIPE UNDERDRAINS 6" (TYP.)-(EB)
PIPE UNDERDRAINS 6" (SPECIAL)(TYP.)-(EB)
WETLAND

425 STORM SEWERS, CLASS A, TYPE 2, 30" 250' @ 0.30% TBF=185 CY

427 STORM SEWERS, CLASS A, TYPE 2, 36" 250' @ 0.30% TBF=155 CY

429 STORM SEWERS, CLASS A, TYPE 2, 36" 250' @ 0.30% TBF=91 CY

430 STORM SEWERS, CLASS A, TYPE 2, 36" 25' @ 0.32% TBF=8 CY

432 STORM SEWERS, CLASS A, TYPE 2, 18" 180' @ 0.34% TBF=50 CY

434 STORM SEWERS, CLASS A, TYPE 2, 24" 67' @ 0.33% TBF=29 CY

430A STORM SEWERS, CLASS A, TYPE 2, 36" 21' @ 0.29% TBF=7 CY

436 STORM SEWERS, CLASS A, TYPE 2, 24" 150' @ 0.30% TBF=104 CY

435, 437, 439, 442, 444, 446, 448 STORM SEWERS, CLASS A, TYPE 2, 12" 5' @ 1.00%

438 STORM SEWERS, CLASS A, TYPE 2, 36" 250' @ 0.30% TBF=204 CY

434A STORM SEWERS, CLASS A, TYPE 2, 24" 17' @ 0.24% TBF=7 CY

434B STORM SEWERS, CLASS A, TYPE 2, 24" 17' @ 0.24% TBF=7 CY

432A STORM SEWERS JACKED IN PLACE, 36" 89' @ 0.54%

432B STORM SEWERS JACKED IN PLACE, 36" 81' @ 0.64%

443A-MH
STA. 1019+66/6.7' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 1 FRAME, CLOSED LID
T/F=721.21
INV.=714.31 (E)(W)

443B-MH
STA. 1020+34/6.8' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 1 FRAME, CLOSED LID
T/F=720.88
INV.=714.09 (E)(W)

441-MH
STA. 1017+00/1.5' LT
MANHOLES, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=722.19
INV.=717.12 (W)(S)

442-CB
STA. 1017+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=722.12
INV.=717.17 (N)

443-MH
STA. 1019+50/1.3' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=721.07
INV.=714.35 (E)(S)

444-CB
STA. 1019+50/1.6' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=721.04
INV.=714.40 (N)

445-MH
STA. 1020+50/1.3' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=720.59
INV.=713.30 (E)
INV.=714.05 (W)(S)

446-CB
STA. 1020+50/1.6' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=720.62
INV.=714.10 (N)

447-MH
STA. 1022+00/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=719.96
INV.=711.85 (E)
INV.=712.85 (W)(S)

448-CB
STA. 1022+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=719.94
INV.=712.90 (N)

PLAN
SURVEYED — BY
PLOTTED — DATE
ADJUSTMENT CHECKED
ALL DATA CHECKED
NOTE BOOK — FILE NAME
NO.

PROFILE
SURVEYED — BY
PLOTTED — DATE
ADJUSTMENT CHECKED
ALL DATA NOTED
NOTE BOOK — STRUCTURE NO. RATING CARD
NO.

RESTRICTOR PLATE 438A-MH
PROP. EB BASE OF WALL
PROP. WB BASE OF WALL
PIPE UNDERDRAINS 6" (EB)(WB)
434-MH
436-MH
438-MH
440-MH
440A-MH
441-MH
443-MH
443A-MH
443B-MH
445-MH
447-MH
250'-30" RCP @ 0.30%
INV: 718.14
250'-36" RCP @ 0.30%
INV: 722.03 (EB)(WB)-PUD
INV: 717.39
250'-36" RCP @ 0.30%
180'-18" RCP @ 0.34%
INV: 716.51
EXISTING 36" RCP
INV: 716.51
21'-36" RCP @ 0.29%
INV: 716.57
RESTRICTOR PLATE
ORIFICE SIZE = 16"
OVERFLOW = 720.05
25'-36" RCP @ 0.32%
INV: 716.65
INV: 719.76 (EB)(WB)-PUD
INV: 717.12
8" CAS W4IN
INV: 718.58 (WB)-PUD
67'-24" RCP @ 0.33%
INV: 714.35
17'-24" RCP @ 0.24%
INV: 714.31
INV: 718.27 (WB)-PUD
INV: 714.09
17'-24" RCP @ 0.24%
INV: 714.05
50'-24" RCP @ 0.30%
INV: 713.30
INV: 717.53 (EB)(WB)-PUD
INV: 712.85
INV: 711.85
250'-36" RCP @ 0.30%

	740	735	730	725	720	715	710	705	700
CMB BASE									
EB	726.10	725.89	725.68	725.47	725.25	725.02	724.79	724.58	724.38
WB	726.04	725.84	725.63	725.38	725.18	724.97	724.75	724.52	724.30

	724.15	723.91	723.67	723.43	723.21	722.99	722.79	722.59	722.39	722.19	721.96	721.73	721.55	721.32	721.07	720.81	720.59	720.37	720.17	719.96	719.75	719.54
CMB BASE																						
EB	724.15	723.91	723.67	723.43	723.21	722.99	722.79	722.59	722.39	722.19	721.96	721.73	721.55	721.32	721.07	720.81	720.59	720.37	720.17	719.96	719.75	719.54
WB	724.03	723.84	723.65	723.36	723.18	722.95	722.74	722.52	722.32	722.11	721.89	721.67	721.45	721.23	721.04	720.85	720.62	720.44	720.19	719.94	719.75	719.52

1008+00 1009+00 1010+00 1011+00 1012+00 1013+00 1014+00 1015+00 1016+00 1017+00 1018+00 1019+00 1020+00 1021+00 1022+00 1023+00

n:\proj\33843\east\design\drainage\33843-drain2.dgn

ENGINEERING CONSULTANT
Ciorba Group, Inc.
CONSULTING ENGINEERS
8507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel: 773.775.4000 Fax: 773.775.4014
Email: chicago@ciorba.com

USER NAME = jkjellman	DESIGNED - CRC	REVISED -
	DRAWN - JMK	REVISED -
PLOT SCALE = 50.0000 ' / IN.	CHECKED - MRJ	REVISED -
PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
PROPOSED DRAINAGE PLAN AND PROFILE

SCALE: 1" = 50' | SHEET NO. 106 OF SHEETS | STA. 1008+00 TO STA. 1023+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	106
		CONTRACT NO. 60M59		
		ILLINOIS FED. AID PROJECT		

449-MH
STA. 1024+50/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=718.90
INV.=711.10 (E)(W)(S)

450-CB
STA. 1024+50/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=718.83
INV.=711.15 (N)

451-MH
STA. 1027+00/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=717.74
INV.=710.35 (E)(W)(S)

452-CB
STA. 1027+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=717.73
INV.=710.40 (N)

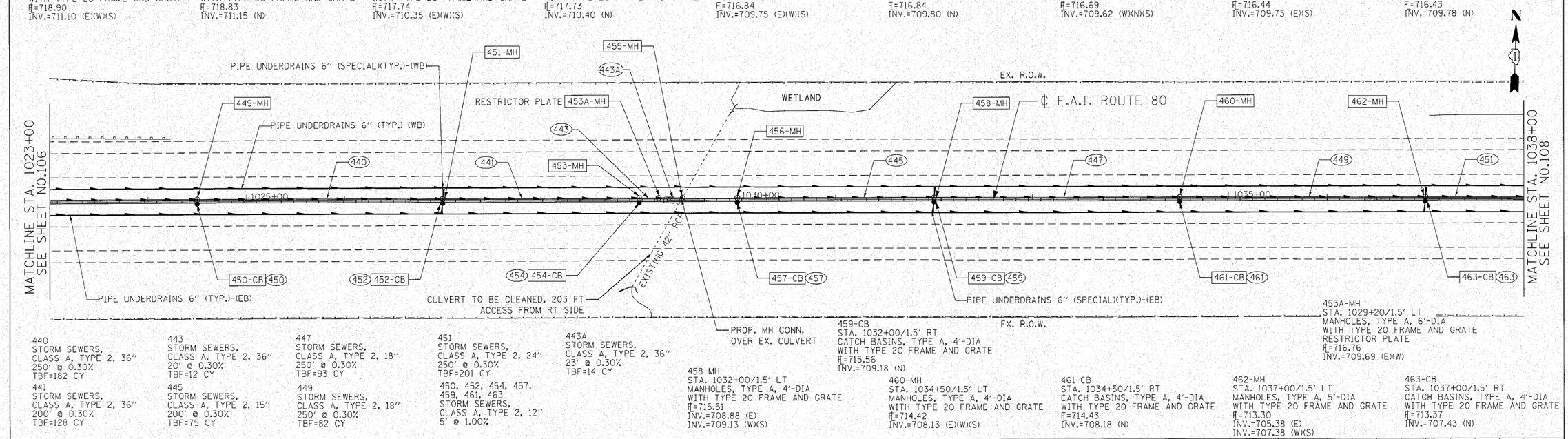
453-MH
STA. 1029+00/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=716.84
INV.=709.75 (E)(W)(S)

454-CB
STA. 1029+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=716.84
INV.=709.80 (N)

455-MH
STA. 1029+43/1.5' LT
MANHOLES, TYPE A, 6'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=716.69
INV.=709.62 (W)(N)(S)

456-MH
STA. 1030+00/1.5' LT
MANHOLES, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=716.44
INV.=709.73 (E)(S)

457-CB
STA. 1030+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=716.43
INV.=709.78 (N)



440
STORM SEWERS,
CLASS A, TYPE 2, 36"
250' @ 0.30%
TBF=182 CY

441
STORM SEWERS,
CLASS A, TYPE 2, 36"
200' @ 0.30%
TBF=128 CY

443
STORM SEWERS,
CLASS A, TYPE 2, 36"
20' @ 0.30%
TBF=12 CY

445
STORM SEWERS,
CLASS A, TYPE 2, 15"
200' @ 0.30%
TBF=75 CY

447
STORM SEWERS,
CLASS A, TYPE 2, 18"
250' @ 0.30%
TBF=93 CY

449
STORM SEWERS,
CLASS A, TYPE 2, 18"
250' @ 0.30%
TBF=82 CY

451
STORM SEWERS,
CLASS A, TYPE 2, 24"
250' @ 0.30%
TBF=201 CY

450, 452, 454, 457,
459, 461, 463
STORM SEWERS,
CLASS A, TYPE 2, 12"
5' @ 1.00%

443A
STORM SEWERS,
CLASS A, TYPE 2, 36"
23' @ 0.30%
TBF=14 CY

458-MH
STA. 1032+00/1.5' LT
MANHOLES, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=715.51
INV.=708.88 (E)
INV.=709.13 (W)(S)

459-CB
STA. 1032+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=715.56
INV.=709.18 (N)

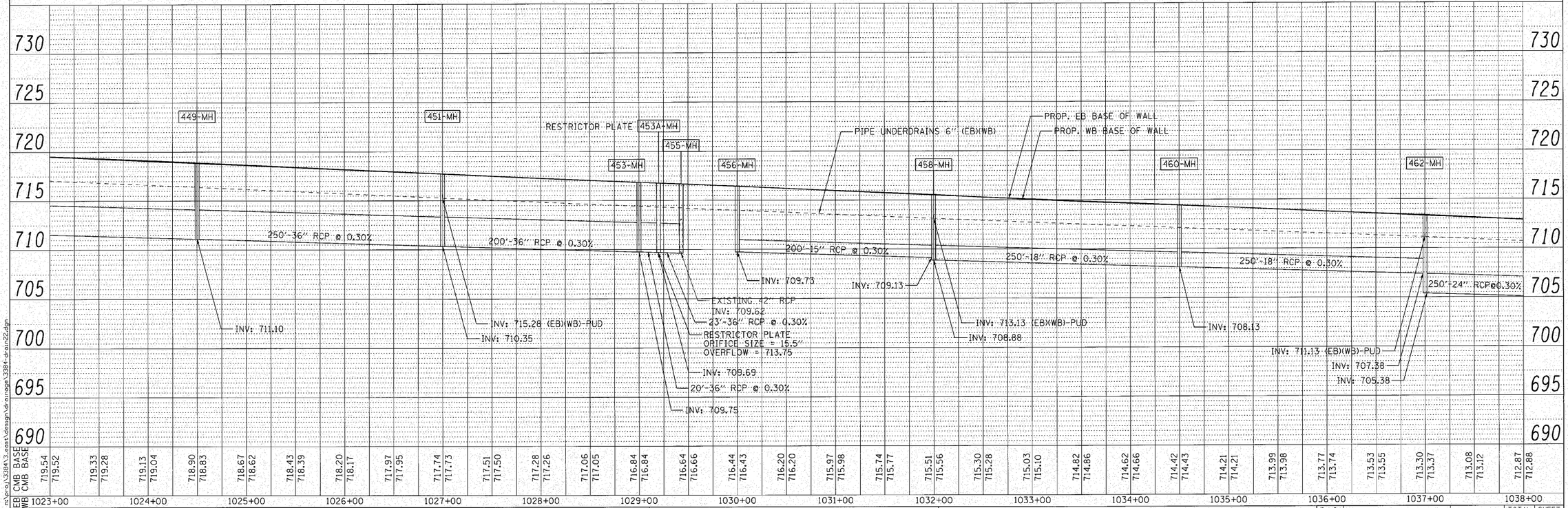
460-MH
STA. 1034+50/1.5' LT
MANHOLES, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=714.42
INV.=708.13 (E)(W)(S)

461-CB
STA. 1034+50/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=714.43
INV.=708.18 (N)

453A-MH
STA. 1029+20/1.5' LT
MANHOLES, TYPE A, 6'-DIA
WITH TYPE 20 FRAME AND GRATE
RESTRICTOR PLATE
℄=716.76
INV.=709.69 (E)(W)

462-MH
STA. 1037+00/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=713.30
INV.=705.38 (E)
INV.=707.38 (W)(S)

463-CB
STA. 1037+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=713.37
INV.=707.43 (N)



| | | |

464-MH
STA. 1039+50/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=712.22
INV.=704.63(E)(W)(S)

465-CB
STA. 1039+50/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=712.25
INV.=704.68 (N)

466-MH
STA. 1042+00/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=711.15
INV.=703.38 (E)
INV.=703.88 (W)(S)

467-CB
STA. 1042+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=711.21
INV.=703.93 (N)

468-MH
STA. 1044+50/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=710.04
INV.=702.63 (E)(W)(S)

469-CB
STA. 1044+50/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=710.10
INV.=702.68 (N)

470-MH
STA. 1047+00/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=708.94
INV.=701.88 (W)(S)
INV.=700.63 (E)

N

℄ F.A.I. ROUTE 80

PIPE UNDERDRAINS 6" (SPECIAL)(TYP.)-(WB)

EX. R.O.W.

MATCHLINE STA. 1038+00
SEE SHEET NO.107

464-MH 466-MH 468-MH 470-MH 472-MH 474-MH

PIPE UNDERDRAINS 6" (TYP.)-(WB)

453 455 456 458 460 462

1040+00 1045+00 1050+00

465-CB 465 PIPE UNDERDRAINS 6" (TYP.)-(EB) 467-CB 467 469-CB 469 471-CB 471 473-CB 473 475-CB 475

PIPE UNDERDRAINS 6" (SPECIAL)(TYP.)-(EB)

EX. R.O.W.

MATCHLINE STA. 1053+00
SEE SHEET NO.109

453
STORM SEWERS,
CLASS A, TYPE 2, 24"
250' @ 0.30%
TBF=185 CY

455
STORM SEWERS,
CLASS A, TYPE 2, 30"
250' @ 0.30%
TBF=190 CY

456
STORM SEWERS,
CLASS A, TYPE 2, 30"
250' @ 0.30%
TBF=170 CY

458
STORM SEWERS,
CLASS A, TYPE 2, 30"
250' @ 0.30%
TBF=219 CY

460
STORM SEWERS,
CLASS A, TYPE 2, 36"
250' @ 0.30%
TBF=221 CY

462
STORM SEWERS,
CLASS A, TYPE 2, 36"
150' @ 0.30%
TBF=230 CY

465, 467, 469
471, 473, 475
STORM SEWERS,
CLASS A, TYPE 2, 12"
5' @ 1.00%

471-CB
STA. 1047+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=708.97
INV.=701.93 (N)

472-MH
STA. 1049+50/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=707.79
INV.=699.38 (E)
INV.=699.88 (W)(S)

473-CB
STA. 1049+50/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=707.83
INV.=699.93 (N)

474-MH
STA. 1052+00/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=706.66
INV.=695.63 (E)
INV.=698.63 (W)(S)

475-CB
STA. 1052+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRATE
℄=706.69
INV.=698.68 (N)

PLAN
SURVEYED
DRAWN
ALIGNMENT CHECKED
GRADES CHECKED
B.M. NOTED
ROAD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
DRAWN
CHECKED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHKED
NOTE BOOK
NO.
BY
DATE

725 720 715 710 705 700 695 690 685

464-MH 466-MH 468-MH 470-MH 472-MH 474-MH

PROP. EB BASE OF WALL
PROP. WB BASE OF WALL
PIPE UNDERDRAINS 6" (EB)(WB)

250'-24" RCP @ 0.30%
250'-30" RCP @ 0.30%
250'-30" RCP @ 0.30%
250'-30" RCP @ 0.30%
250'-36" RCP @ 0.30%
150'-36" RCP @ 0.30%

INV: 704.63
INV: 703.88
INV: 708.88 (EB)(WB)-PUD
INV: 703.38
INV: 702.63
INV: 701.88
INV: 706.63 (EB)(WB)-PUD
INV: 700.63
INV: 699.88
INV: 699.38
INV: 704.38 (EB)(WB)-PUD
INV: 698.63
INV: 695.63

	EB BASE	WB BASE
1038+00	712.87	712.88
	712.65	712.69
1039+00	712.43	712.44
	712.22	712.25
1040+00	712.01	712.06
	711.79	711.84
1041+00	711.61	711.62
	711.38	711.41
1042+00	711.15	711.21
	710.92	710.98
1043+00	710.69	710.75
	710.47	710.53
1044+00	710.25	710.30
	710.03	710.10
1045+00	709.82	709.90
	709.60	709.68
1046+00	709.39	709.46
	709.16	709.21
1047+00	708.94	708.97
	708.73	708.71
1048+00	708.52	708.49
	708.27	708.27
1049+00	708.02	708.05
	707.79	707.83
1050+00	707.56	707.61
	707.35	707.39
1051+00	707.13	707.17
	706.90	706.93
1052+00	706.66	706.69
	706.39	706.43
1053+00	706.12	706.16

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ENGINEERING CONSULTANT
Ciorba Group, Inc.
CONSULTING ENGINEERS
6007 North Cumberland Avenue, Suite 402
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Tel. 773.775.4000 Fax 773.775.4014
Email chicago@ciorba.com

USER NAME = jkjellman	DESIGNED - CRC	REVISED -	
	DRAWN - JMK	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - MRJ	REVISED -	
PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
PROPOSED DRAINAGE PLAN AND PROFILE

SCALE: 1" = 50' | SHEET NO. 108 OF SHEETS | STA. 1038+00 TO STA. 1053+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	108
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

476-MH
STA. 1054+50/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRADE
℄=705.23
INV.=694.88 (E)(W)(S)

477-CB
STA. 1054+50/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRADE
℄= 705.24
INV.=694.93 (N)

478-MH
STA. 1057+00/1.5' LT
MANHOLES, TYPE A, 5'-DIA
WITH TYPE 20 FRAME AND GRADE
℄=703.44
INV.=694.13 (E)(W)(S)

479-CB
STA. 1057+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRADE
℄= 703.42
INV.=694.18 (N)

480-MH
STA. 1059+50/1.5' LT
MANHOLES, TYPE A, 6'-DIA
WITH TYPE 20 FRAME AND GRADE
℄=701.41
INV.=692.38 (E)
INV.=693.38 (W)(S)

481-CB
STA. 1059+50/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRADE
℄= 701.38
INV.=693.43 (N)

482-MH
STA. 1062+00/1.5' LT
MANHOLES, TYPE A, 6'-DIA
WITH TYPE 20 FRAME AND GRADE
℄=699.47
INV.=689.33 (E)
INV.=691.63 (W)(S)

483-CB
STA. 1062+00/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRADE
℄= 699.35
INV.=691.68 (N)

484-MH
STA. 1064+50/1.5' LT
MANHOLES, TYPE A, 6'-DIA
WITH TYPE 20 FRAME AND GRADE
℄=697.41
INV.=688.58 (E)(W)(S)

462A
STORM SEWERS
JACKED IN PLACE, 36"
100' @ 0.30%

CULVERT TO BE CLEANED, 176 FT (X2)

EX. R.O.W.

UNDERDRAIN CONNECTION TO STRUCTURE

PIPE UNDERDRAINS 6" (SPECIAL)(TYP.)-(WB)

PIPE UNDERDRAINS 6" (TYP.)-(WB)

℄ F.A.I. ROUTE 80

MATCHLINE STA. 1053+00
SEE SHEET NO.108

MATCHLINE STA. 1068+00
SEE SHEET NO.110

WETLAND

N

462A 476-MH 464 466 478-MH 468 480-MH 470 482-MH 472 484-MH 474 486-MH 476 488-MH 490-MH 478

L1055+00 L1060+00 L1065+00

477-CB 477 PIPE UNDERDRAINS 6" (TYP.)-(EB) 479-CB 479

UNDERDRAIN CONNECTION TO STRUCTURE

PIPE UNDERDRAINS 6" (SPECIAL)(TYP.)-(EB)

481-CB 480

483-CB 481 PROP RT DITCH ℄

482 485-CB 483 487-CB 484 489-CB 485 491-MH 108-HW

EXISTING 2-36" RCP

RESTRICTOR PLATE

100 YR FLOODPLAIN

464
STORM SEWERS,
CLASS A, TYPE 2, 36"
250' @ 0.30%
TBF=320 CY

468
STORM SEWERS,
CLASS A, TYPE 2, 48"
250' @ 0.30%
TBF=211 CY

472
STORM SEWERS,
CLASS A, TYPE 2, 48"
100' @ 0.30%
TBF=88 CY

476
STORM SEWERS,
CLASS A, TYPE 2, 48"
10' @ 0.30%
TBF=7 CY

478
STORM SEWERS
JACKED IN PLACE, 42"
91' @ 0.24%

485-CB
STA. 1064+50/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRADE
℄= 697.30
INV.=688.63 (N)

487-CB
STA. 1065+50/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRADE
℄= 696.57
INV.=688.33 (N)

489-CB
STA. 1066+40/1.5' RT
CATCH BASINS, TYPE A, 4'-DIA
WITH TYPE 20 FRAME AND GRADE
℄= 695.85
INV.=688.06 (N)

491-MH
STA. 1066+50/1.5' RT
MANHOLES, TYPE A, 6'-DIA
WITH TYPE 20 FRAME AND GRADE
RESTRICTOR PLATE
ORIFICE SIZE = 23.5"
OVERFLOW = 691.43
℄=695.78
INV.=687.93 (N)(S)

108-HW
STA. 1066+50/98.3' RT
CAST-IN-PLACE REINFORCED
CONCRETE END SECTIONS, 42"
INV.= 687.71

466
STORM SEWERS,
CLASS A, TYPE 2, 36"
250' @ 0.30%
TBF=248 CY

470
STORM SEWERS,
CLASS A, TYPE 2, 48"
250' @ 0.30%
TBF=287 CY

474
STORM SEWERS,
CLASS A, TYPE 2, 48"
90' @ 0.30%
TBF=66 CY

485
STORM SEWERS,
CLASS A, TYPE 2, 48"
5' @ 1.00%
TBF=3 CY

477, 479, 480, 481, 482, 483, 484
STORM SEWERS,
CLASS A, TYPE 2, 12"
5' @ 1.00%

486-MH
STA. 1065+50/1.5' LT
MANHOLES, TYPE A, 6'-DIA
WITH TYPE 20 FRAME AND GRADE
℄=696.56
INV.=688.28 (E)(W)(S)

488-MH
STA. 1066+40/1.5' LT
MANHOLES, TYPE A, 6'-DIA
WITH TYPE 20 FRAME AND GRADE
℄=695.84
INV.=688.01 (E)(W)(S)

490-MH
STA. 1066+50/1.5' LT
MANHOLES, TYPE A, 6'-DIA
WITH TYPE 20 FRAME AND GRADE
℄=695.76
INV.=687.98 (W)(S)

715 710 705 700 695 690 685 680 675

476-MH 478-MH 480-MH 482-MH 484-MH 486-MH 490-MH 488-MH

PROP. EB BASE OF WALL
PROP. WB BASE OF WALL
PIPE UNDERDRAINS 6" (EB)(WB)

100'-36" RCP @ 0.30%
INV: 694.88
UNDERDRAIN CONNECTION TO STRUCTURE
EXISTING 2-36" RCP
INV: 700.90

250'-36" RCP @ 0.30%
INV: 701.13 (EB)(WB)-PUD
INV: 694.13

250'-36" RCP @ 0.30%
INV: 693.38
INV: 692.38

250'-48" RCP @ 0.30%
INV: 691.63

+00 EL.: 695.3

-2.20%

250'-48" RCP @ 0.30%
INV: 697.13 (EB)(WB)-PUD
INV: 689.33

EX RT DITCH PROFILE
PROP RT DITCH PROFILE

100'-48" RCP @ 0.30%
INV: 688.58
INV: 688.28

90'-48" RCP @ 0.30%
INV: 693.53 (EB)(WB)-PUD

+00 EL.: 687.7

-2.20%

-4.00%

INV: 687.98
10'-48" RCP @ 0.30%
INV: 688.01

EB BASE 706.12 705.85 705.55 705.23 704.91 704.55 704.18 703.81 703.44 703.03 702.62 702.22 701.81 701.41 701.05 700.67 700.30 699.88 699.47 699.04 698.62 698.21 697.80 697.41 697.02 696.56 696.18 695.75
WB BASE 706.16 705.88 705.59 705.24 704.89 704.54 704.19 703.81 703.42 703.04 702.60 702.19 701.78 701.38 700.97 700.58 700.20 699.77 699.35 698.92 698.49 698.09 697.70 697.30 696.94 696.57 696.16 695.78
CMB BASE

1053+00 1054+00 1055+00 1056+00 1057+00 1058+00 1059+00 1060+00 1061+00 1062+00 1063+00 1064+00 1065+00 1066+00 1067+00 1068+00

ENGINEERING CONSULTANT	USER NAME = jkjellman	DESIGNED - CRC	REVISED -
Ciorba Group, Inc. CONSULTING ENGINEERS 6007 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel. 773.775.4000 Fax 773.775.4014 Email chicago@ciorba.com		DRAWN - JMK	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - MRJ	REVISED -
	PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
PROPOSED DRAINAGE PLAN AND PROFILE

SCALE: 1" = 50' | SHEET NO. 109 OF SHEETS | STA. 1053+00 TO STA. 1068+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	109
		CONTRACT NO. 60M59		
		ILLINOIS FED. AID PROJECT		

PLAN: SURVEYED, A.D.T., GRADES CHECKED, ALIGNMENT CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO., DATE, BY

PROFILE: SURVEYED, A.D.T., GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO., DATE, BY

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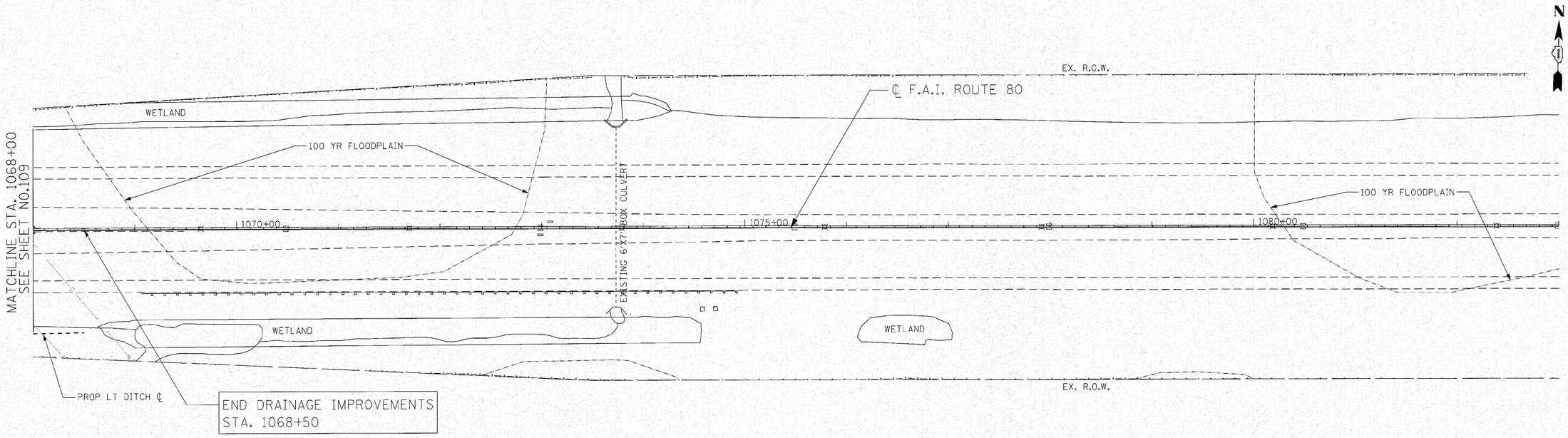
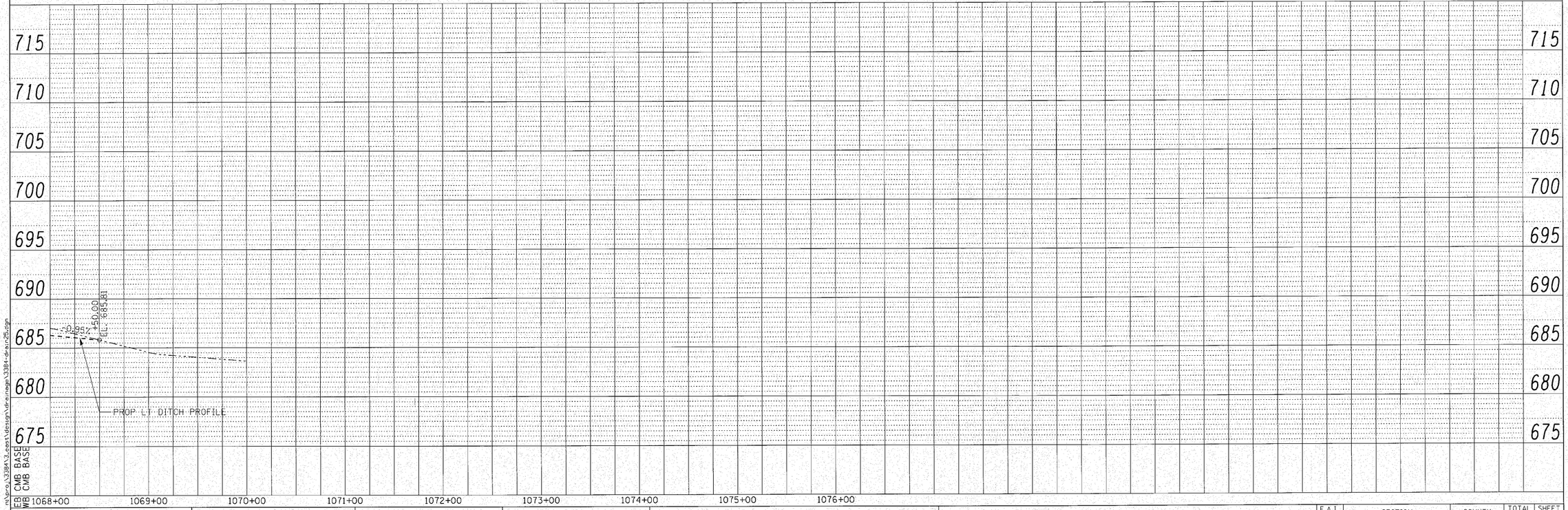
PLAN

	BY	DATE
SURVEYED		
DRAWN		
ALIGNMENT CHECKED		
GRADES CHECKED		
R.M. NOTED		
P.O.I. NUMBERED		
NOTE BOOK		
NO.		



PROFILE

	BY	DATE
SURVEYED		
DRAWN		
GRADES CHECKED		
R.M. NOTED		
S.T.U.C.T.U.R.E. NOTATIONS CHKD		
NOTE BOOK		
NO.		



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ENGINEERING CONSULTANT

Clorba Group, Inc.
CONSULTING ENGINEERS
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USER NAME = jkjellman	DESIGNED - CRC	REVISED -	
	DRAWN - JMK	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - MRJ	REVISED -	
PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
PROPOSED DRAINAGE PLAN AND PROFILE

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 1068+00 TO STA. 1083+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	110
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

EAST CONTRACT SIGN SCHEDULE

			EXISTING		PROPOSED		72000100	72000200	72000300	72400100	72400200	72400330	72600100	72800100	73000100		73100100	X0300247	84200600
															WOOD SIGN SUPPORT				
			PANEL DIMENSIONS		PANEL DIMENSIONS		SIGN PANEL TYPE 1	SIGN PANEL TYPE 2	SIGN PANEL TYPE 3	REMOVE SIGN PANEL ASSEMBLY - TYPE A	REMOVE SIGN PANEL ASSEMBLY - TYPE B	REMOVE SIGN PANEL - TYPE 3	MILE POST MARKER ASSEMBLY	TELESCOPING STEEL SIGN SUPPORT	POST 1	POST 2	BASE FOR TELESCOPING STEEL SIGN SUPPORT	REMOVE WOOD POST	REMOVAL OF SIGN LIGHTING, NO SALVAGE
SIGN NO.	STATION	LEGEND/DESCRIPTION	WIDTH (FT)	HEIGHT (FT)	WIDTH (FT)	HEIGHT (FT)	(SQ FT)	(SQ FT)	(SQ FT)	(EACH)	(EACH)	(SQ FT)	(EACH)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)
EB-WP-01a	883+45	SPEED / LIMIT/ 65	4.0	5.0	4.0	5.0		20.0			1.0				22.0				
EB-WP-01b	883+45	MINIMUM / 45	4.0	3.0	4.0	3.0		12.0											
EB-BS-02	888+45	US 45 S / INDIANA STATE LINE 22 / TOLDEO 246	10.0	8.0	17.0	6.0			102.0			80.0							
EB-WP-03	893+15	SLOWER / TRAFFIC / KEEP / RIGHT	3.0	5.0							1.0								
EB-TS-04	898+90	MILE 141 .5			1.0	4.0							1.0						
EB-WP-04a	909+00	TRUCKS / USE/ 2 / RIGHT / LANES			5.0	4.0		20.0							16.0				
EB-BS-05	912+50	WEIGH / STATION / 1 MILE	9.5	6.5	8.0	6.0			48.0			61.8							
EB-BS-06	918+65	A.V.I. TRUCKS / VEHICLES USE RIGHT LANE / PRE-PASS SITE	10.0	7.0	14.5	8.5			123.3			70.0							
EB-BS-07	925+00	A.V.I. TRUCKS / FOLLOW / ONBOARD / SIGNALS	10.0	7.0	14.5	8.0			116.0			70.0							
EB-TS-08	928+00	MILE 142 .0	1.0	4.0	1.0	4.0				1.0			1.0						
EB-WP-09	934+00	EXCESSIVE / ENGINE / BRAKING / NOISE / PROHIBITED / NEXT	4.0	5.0	4.0	5.0		20.0			1.0				19.0				
EB-WP-10	938+10	MAPLE RD	6.0	2.0	6.0	2.0		12.0			1.0				16.0	18.0			
EB-TS-11a•	945+95	R3-4	4.0	4.0	4.0	4.0		16.0			1.0			17.0					
EB-TS-11b•	945+95	EXCEPT / AUTHORIZED / VEHICLES	4.0	3.0	4.0	3.0		12.0											
EB-BS-12	946+55	TRUCKS / OVER 8 TONS / MUST WEIGH	12.5	6.5	11.5	6.0			69.0			81.3							
EB-WP-13	950+10	WATCH / FOR / STOPPED / TRUCKS	4.0	4.0	4.0	4.0		16.0			1.0				17.0				
EB-TS-14	954+40	MILE 142 .5			1.0	4.0							1.0						
EB-BS-15	958+00	WEIGH / STATION / NEXT RIGHT	10.5	6.5	9.0	7.5			67.5			68.3							
EB-WP-16	969+00	RAMP / 30 / M.P.H.	4.0	5.0	4.0	5.0		20.0			1.0				18.0	19.0			
EB-OHC-17	969+15	WEIGH / STATION	15.0	6.5	13.0	6.5			84.5			97.5							1.0
EB-WP-18	970+70	RAMP / 30 / M.P.H.	4.0	5.0	4.0	5.0		20.0			1.0				18.0	18.0			
EB-WP-19	972+70	RAMP / 30 / M.P.H.	4.0	5.0	4.0	5.0		20.0			1.0				18.0	18.0			
EB-WP-20•	974+20	WEIGH / STATION	7.5	7.0	7.5	7.0			52.5			52.5			20.0	21.0		1.0	
EB-TS-21	977+95	MILE 143 .0	1.0	4.0	1.0	4.0				1.0			1.0						
EB-WP-22	998+25	W4-1	4.0	4.0	4.0	4.0		16.0			1.0				18.0				
EB-TS-23	1004+35	MILE 143 .5			1.0	4.0							1.0						
EB-WP-24•	1017+10	NOTICE / MOVE OVER - SLOW DOWN / FOR STOPPED EMERGENCY / OR MAINTENANCE VEHICLES / IT•S THE LAW	24.5	11.0	24.5	11.0			269.5			269.5			25.0	28.0		2.0	
EB-BM-25•	1019+85	WOLF RD	5.5	2.0	5.5	2.0		11.0											
EB-WP-25a	1024+00	TRUCKS / USE / 2 / RIGHT / LANES			5.0	4.0		20.0							16.0				
EB-TS-26	1031+50	MILE 144 .0	1.0	4.0	1.0	4.0				1.0			1.0						

• EXISTING SIGN DIMENSIONS NOT AVAILABLE; PROPOSED SIGN DIMENSIONS USED

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USER NAME = jkjellman	DESIGNED - CRC	REVISED -	
	DRAWN - JMK	REVISED -	
PLOT SCALE = 1.0000 ' / IN.	CHECKED - MRJ	REVISED -	
PLOT DATE = 12/6/2010	DATE - 10/27/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
SIGNING SCHEDULE

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	111
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

EB-OHC-27•	1048+15	EXIT 145 / US 45 / LA GRANGE RD / 1 MILE	16.0	14.0	16.0	14.0			224.0			224.0						1.0
EB-WP-28	1052+80	ST XAVIER / UNIVERSITY / EXIT 145	5.0	3.0	7.0	4.0			28.0		1.0				17.0	18.0			
EB-BS-29	1057+65	MOKENA / FRANKFORT / EXIT 145 / ORLAND PARK / EXIT 145	13.5	11.0								148.5							
EB-TS-30	1057+90	MILE 144 .5			1.0	4.0							1.0						
EB-OHC-31•	1071+75	EXIT 145 / US 45 / LA GRANGE RD / 1/2 MILE	16.0	14.0	16.0	14.0			224.0			224.0							1.0
EB-TS-32	1083+65	MILE 145 .0	1.0	4.0	1.0	4.0				1.0			1.0						
EB-TS-33a•	1085+50	R3-4	4.0	4.0	4.0	4.0		16.0			1.0			7.5			1.0		
EB-TS-33b•	1085+50	EXCEPT / AUTHORIZED / VEHICLES	4.0	3.0	4.0	3.0		12.0											
WB-OHC-40•	893+50	EXIT 140 / TOLL / INTERSTATE 355 NORTH / ROCKFORD / 1 MIL	15.0	15.0	15.0	15.0			225.0			225.0							
WB-TS-41	898+90	MILE 141 .5	1.0	4.0	1.0	4.0				1.0			1.0						
WB-WP-41a	909+00	TRUCKS / USE / 2 / RIGHT / LANES			5.0	4.0		20.0							16.0				
WB-TS-42	928+00	MILE 142 .0	1.0	4.0	1.0	4.0				1.0			1.0						
WB-WP-43	937+35	MAPLE RD	6.0	2.0	6.0	2.0		12.0			1.0				16.0	17.0			
WB-BS-44•	944+00	EXIT 140 / TOLL / INTERSTATE 355 NORTH / ROCKFORD / 2 MILE	17.0	16.5	17.0	16.5			280.5			280.5							
WB-TS-45a•	945+95	R3-4	4.0	4.0	4.0	4.0		16.0			1.0			17.0					
WB-TS-45b•	945+95	EXCEPT / AUTHORIZED / VEHICLES	4.0	3.0	4.0	3.0		12.0											
WB-TS-46	954+40	MILE 142 .5			1.0	4.0							1.0						
WB-TS-47	977+95	MILE 143 .0	1.0	4.0	1.0	4.0				1.0			1.0						
WB-TS-48	1004+35	MILE 143 .5			1.0	4.0							1.0						
WB-BM-49•	1020+20	WOLF RD	5.5	2.0	5.5	2.0		11.0											
WB-WP-49a	1024+00	TRUCKS / USE / 2 / RIGHT / LANES			5.0	4.0		20.0							16.0				
WB-TS-50	1031+50	MILE 144 .0	1.0	4.0	1.0	4.0				1.0			1.0						
WB-TS-51	1057+90	MILE 144 .5			1.0	4.0							1.0						
WB-WP-52	1063+80	END / TRUCK / LANE / RESTRICTIONS	4.0	5.0	4.0	5.0		20.0			1.0				19.0				
WB-BS-53	1064+80	INTERSTATE 355 4 / JOLIET 12 / DES MOINES 317	12.0	5.0	11.0	6.0			66.0			60.0							
WB-TS-54a•	1070+00	WEST	3.0	1.3	3.0	1.3	3.8			1.0				17.3					
WB-TS-54b•	1070+00	INTERSTATE / 80	3.0	3.0	3.0	3.0	9.0												
WB-TS-55	1083+65	MILE 145 .0	1.0	4.0	1.0	4.0				1.0			1.0						
WB-WP-56a	1084+00	TRUCKS / OVER 4 TONS	4.0	3.0	4.0	3.0		12.0			1.0				21.0				
WB-WP-56b	1084+00	SPEED / LIMIT / 55	4.0	5.0	4.0	5.0		20.0											
WB-TS-57a•	1085+50	R3-4	4.0	4.0	4.0	4.0		16.0			1.0			17.0					
WB-TS-57b•	1085+50	EXCEPT / AUTHORIZED / VEHICLES	4.0	3.0	4.0	3.0		12.0											
WB-WP-58a	1089+00	SPEED / LIMIT/ 65	4.0	5.0	4.0	5.0		20.0			1.0				21.0				
WB-WP-58b	1089+00	MINIMUM / 45	4.0	3.0	4.0	3.0		12.0											

TOTAL	12.8	466.0	1979.8	10.0	18.0	2012.8	16.0	75.8	506.0	1.0	3.0	3.0
ROUNDED TOTAL	13	466	1980	10	18	2013	16	76	506	1	3	3

• EXISTING SIGN DIMENSIONS NOT AVAILABLE; PROPOSED SIGN DIMENSIONS USED

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USER NAME = jkjellman	DESIGNED - CRC	REVISED -	
	DRAWN - JMK	REVISED -	
PLOT SCALE = 1.0000 ' / IN.	CHECKED - MRJ	REVISED -	
PLOT DATE = 12/6/2010	DATE - 10/27/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
SIGNING SCHEDULE

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	112
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

LEGEND

① POLYUREA PAVEMENT MARKING TYPE I-LINE 4" (YELLOW)
② POLYUREA PAVEMENT MARKING TYPE I-LINE 4" (WHITE)
③ POLYUREA PAVEMENT PAVEMENT MARKING TYPE I-LINE 5" (WHITE) 10FT DASH 30FT SKIP
④ POLYUREA PAVEMENT PAVEMENT MARKING TYPE I-LINE 12" DIAGONAL (YELLOW)
⑤ POLYUREA PAVEMENT PAVEMENT MARKING TYPE I-LINE 12" DIAGONAL (WHITE)
⑥ RAISED REFLECTIVE PAVEMENT MARKER CLUSTER OF 2 CRYSTAL/OPAQUE @ 80FT C-C
⑦ SHOULDER RUMBLE STRIPS
⑧ POLYUREA PAVEMENT MARKING TYPE I-LINE 8" (WHITE)
⑨ POLYUREA PAVEMENT MARKING TYPE I-LINE 12" (WHITE)
⑩ POLYUREA PAVEMENT MARKING TYPE I-LINE 4" (WHITE) 2FT DASH 6FT SKIP)

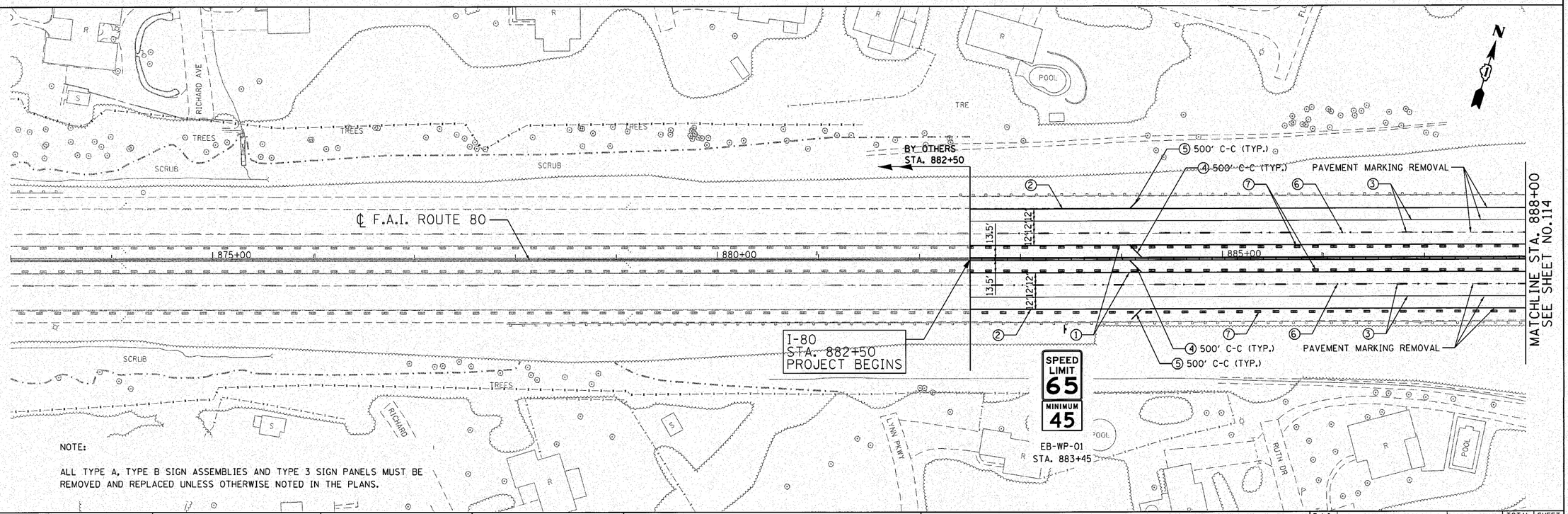
GUIDE SIGN NUMBERING CODE

EB-WP-47

DIRECTION OF TRAFFIC
EB - EASTBOUND
WB - WESTBOUND

SIGN PANEL NUMBER

MOUNTING TYPE
OHC - OVERHEAD CANTILEVER
OHT - OVERHEAD TRUSS
BS - BREAKAWAY STEEL POSTS
WP - WOOD POSTS
TS - TELESCOPING STEEL POSTS
MP - METAL POSTS
BM - BRIDGE MOUNTED
PM - POLE MOUNTED



NOTE:

ALL TYPE A, TYPE B SIGN ASSEMBLIES AND TYPE 3 SIGN PANELS MUST BE REMOVED AND REPLACED UNLESS OTHERWISE NOTED IN THE PLANS.

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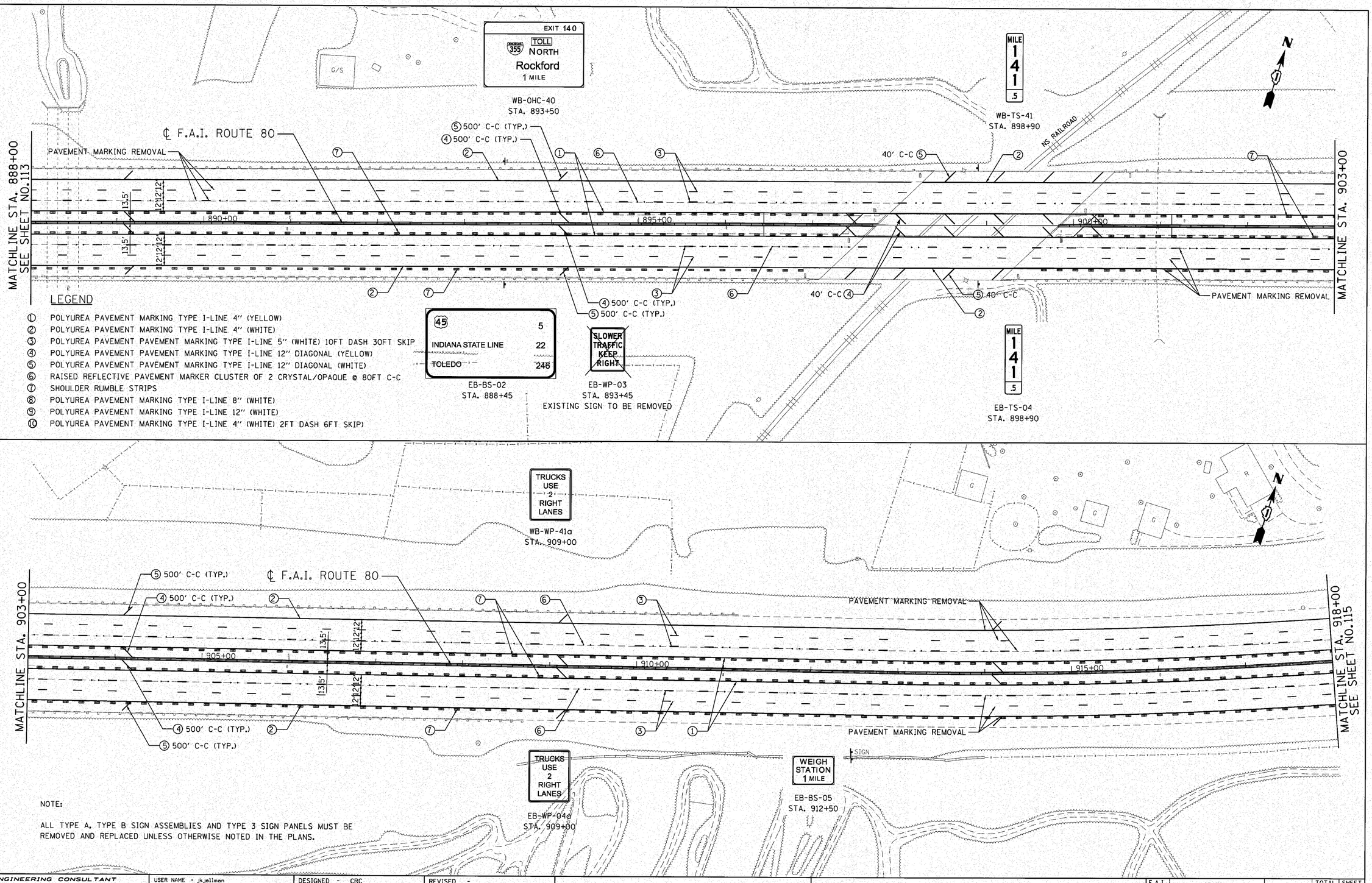
USER NAME = jkjellman	DESIGNED - CRC	REVISED -	
	DRAWN - JMK	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - MRJ	REVISED -	
PLOT DATE = 12/3/2010	DATE - 10/27/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 882+50 TO STA. 888+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	113
		CONTRACT NO. 60M59		
	ILLINOIS	FED. AID PROJECT		



NOTE:

ALL TYPE A, TYPE B SIGN ASSEMBLIES AND TYPE 3 SIGN PANELS MUST BE REMOVED AND REPLACED UNLESS OTHERWISE NOTED IN THE PLANS.

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USER NAME = jkjellman	DESIGNED - CRC	REVISED -	
	DRAWN - JMK	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - MRJ	REVISED -	
PLOT DATE = 12/3/2010	DATE - 10/27/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 888+00 TO STA. 918+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	114
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

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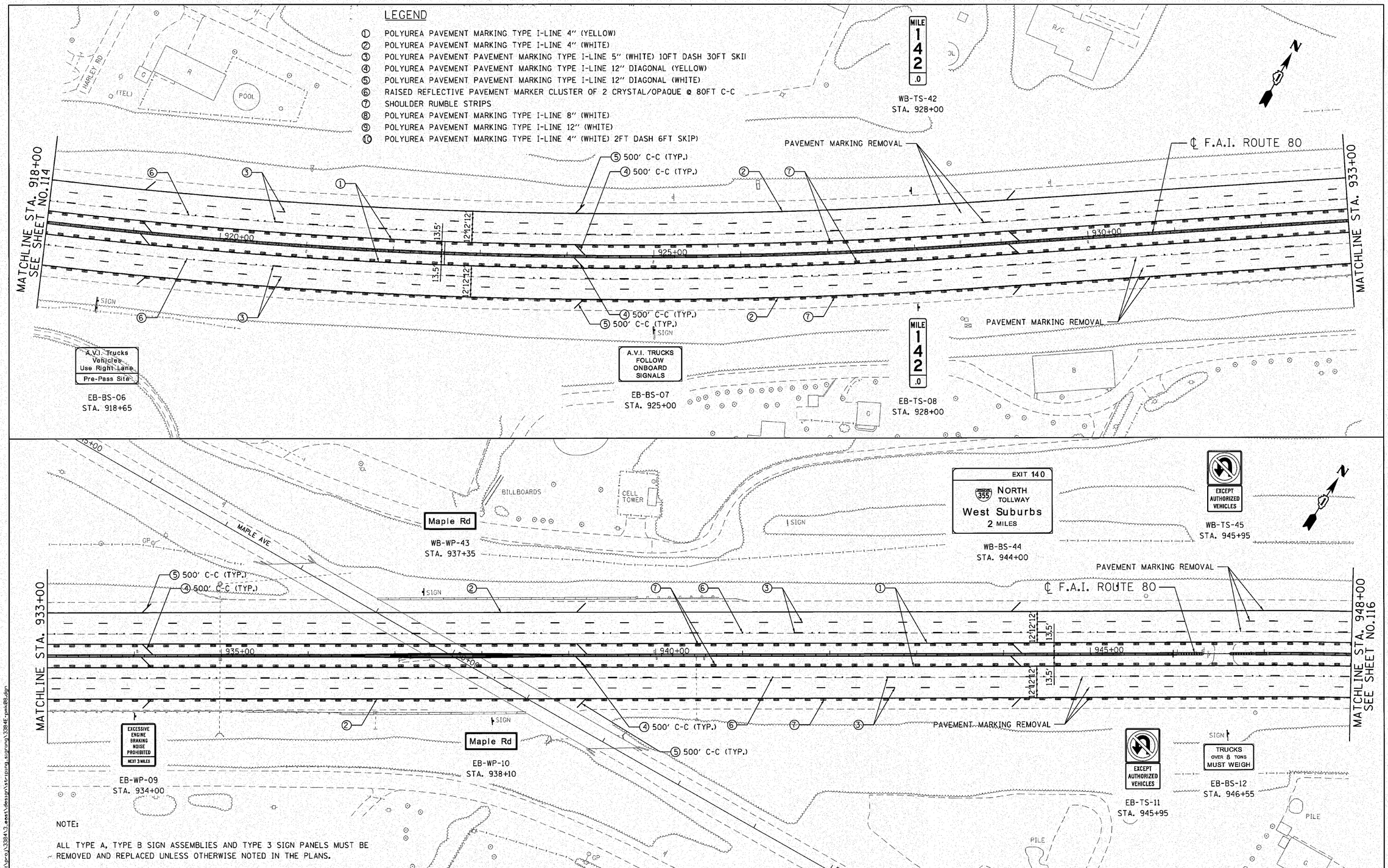
LEGEND

1. POLYUREA PAVEMENT MARKING TYPE I-LINE 4" (YELLOW)
2. POLYUREA PAVEMENT MARKING TYPE I-LINE 4" (WHITE)
3. POLYUREA PAVEMENT PAVEMENT MARKING TYPE I-LINE 5" (WHITE) 10FT DASH 30FT SKIP
4. POLYUREA PAVEMENT PAVEMENT MARKING TYPE I-LINE 12" DIAGONAL (YELLOW)
5. POLYUREA PAVEMENT PAVEMENT MARKING TYPE I-LINE 12" DIAGONAL (WHITE)
6. RAISED REFLECTIVE PAVEMENT MARKER CLUSTER OF 2 CRYSTAL/OPAQUE @ 80FT C-C
7. SHOULDER RUMBLE STRIPS
8. POLYUREA PAVEMENT MARKING TYPE I-LINE 8" (WHITE)
9. POLYUREA PAVEMENT MARKING TYPE I-LINE 12" (WHITE)
10. POLYUREA PAVEMENT MARKING TYPE I-LINE 4" (WHITE) 2FT DASH 6FT SKIP)



NOTE:

ALL TYPE A, TYPE B SIGN ASSEMBLIES AND TYPE 3 SIGN PANELS MUST BE REMOVED AND REPLACED UNLESS OTHERWISE NOTED IN THE PLANS.

ENGINEERING CONSULTANT
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USER NAME = jkjellman	DESIGNED - CRC	REVISED -	
	DRAWN - JMK	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - MRJ	REVISED -	
PLOT DATE = 12/3/2010	DATE - 10/27/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 918+00 TO STA. 948+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	115
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

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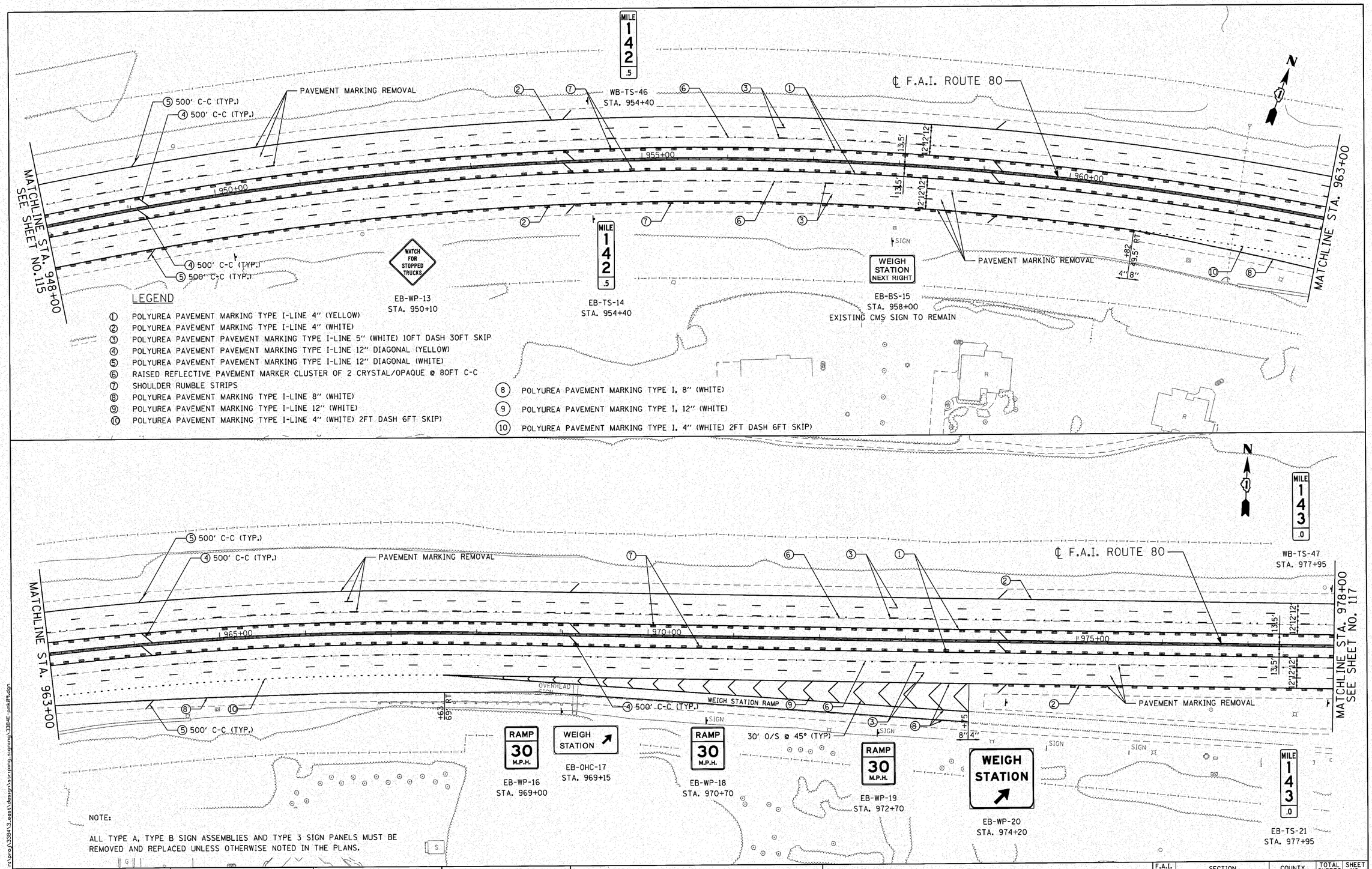

LEGEND

1. POLYUREA PAVEMENT MARKING TYPE I-LINE 4" (YELLOW)
2. POLYUREA PAVEMENT MARKING TYPE I-LINE 4" (WHITE)
3. POLYUREA PAVEMENT PAVEMENT MARKING TYPE I-LINE 5" (WHITE) 10FT DASH 30FT SKIP
4. POLYUREA PAVEMENT PAVEMENT MARKING TYPE I-LINE 12" DIAGONAL (YELLOW)
5. POLYUREA PAVEMENT PAVEMENT MARKING TYPE I-LINE 12" DIAGONAL (WHITE)
6. RAISED REFLECTIVE PAVEMENT MARKER CLUSTER OF 2 CRYSTAL/OPAQUE @ 80FT C-C
7. SHOULDER RUMBLE STRIPS
8. POLYUREA PAVEMENT MARKING TYPE I-LINE 8" (WHITE)
9. POLYUREA PAVEMENT MARKING TYPE I-LINE 12" (WHITE)
10. POLYUREA PAVEMENT MARKING TYPE I-LINE 4" (WHITE) 2FT DASH 6FT SKIP)

8. POLYUREA PAVEMENT MARKING TYPE I, 8" (WHITE)
9. POLYUREA PAVEMENT MARKING TYPE I, 12" (WHITE)
10. POLYUREA PAVEMENT MARKING TYPE I, 4" (WHITE) 2FT DASH 6FT SKIP)

NOTE:

ALL TYPE A, TYPE B SIGN ASSEMBLIES AND TYPE 3 SIGN PANELS MUST BE REMOVED AND REPLACED UNLESS OTHERWISE NOTED IN THE PLANS.

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USER NAME = jkjellman	DESIGNED - CRC	REVISED -
	DRAWN - JMK	REVISED -
PLOT SCALE = 50.0000 ' / IN.	CHECKED - MRJ	REVISED -
PLOT DATE = 12/3/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 948+00 TO STA. 978+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	116
		CONTRACT NO. 60M59		
		ILLINOIS FED. AID PROJECT		

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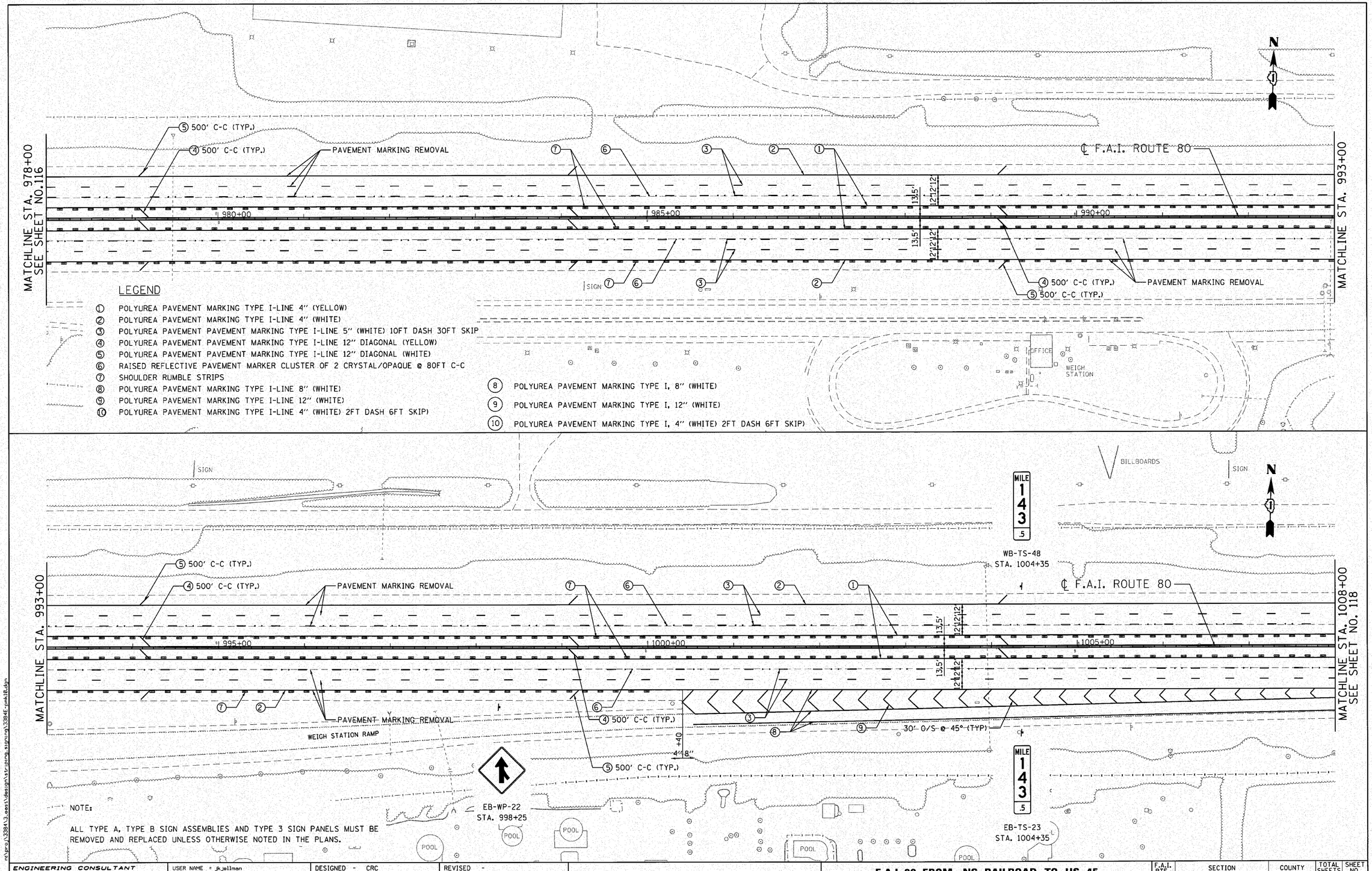

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	DRAWN - JMK	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - MRJ	REVISED -	
PLOT DATE = 12/3/2010	DATE - 10/27/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 978+00 TO STA. 1008+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	117
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

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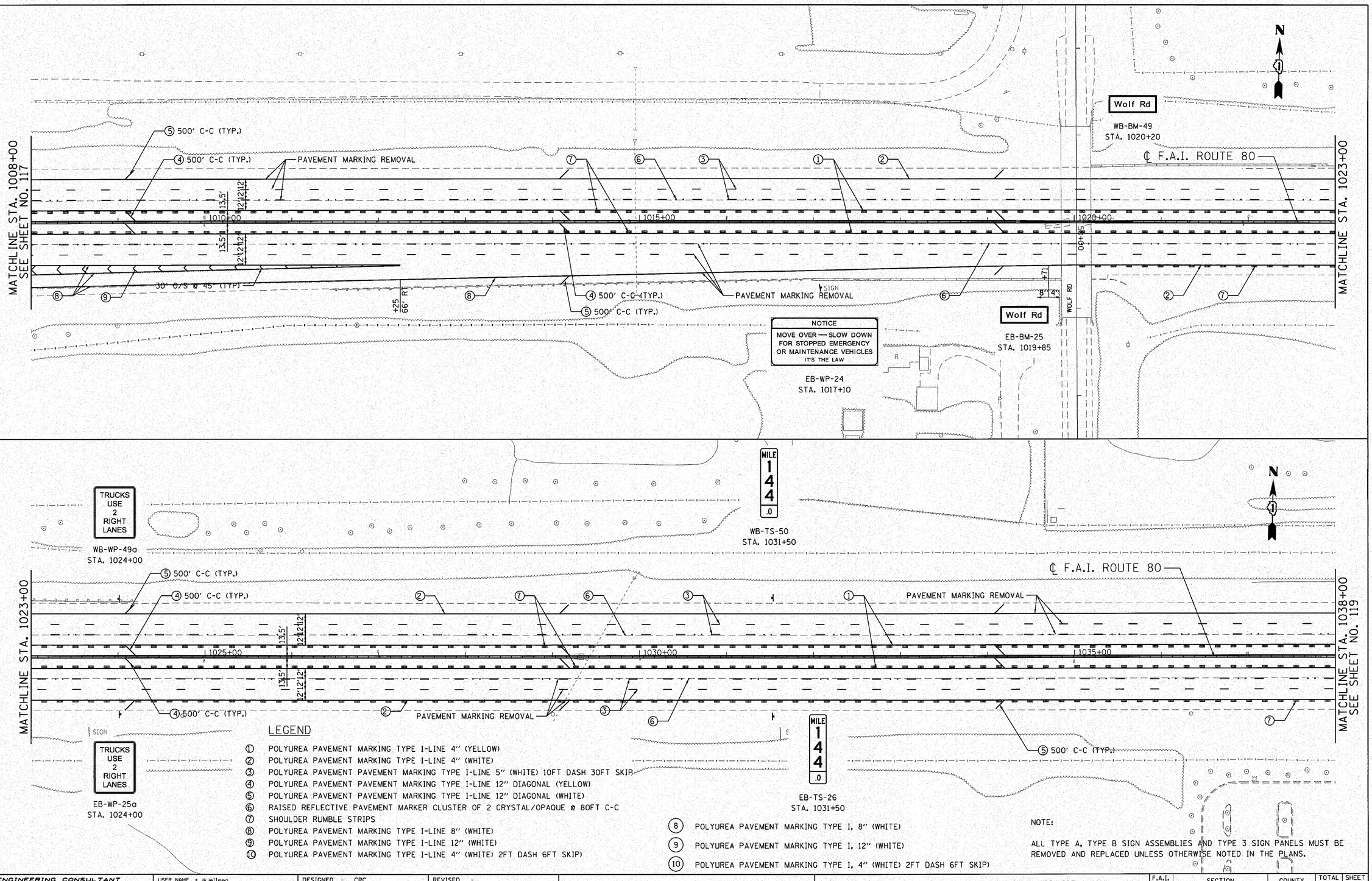

LEGEND

1. POLYUREA PAVEMENT MARKING TYPE I-LINE 4" (YELLOW)
2. POLYUREA PAVEMENT MARKING TYPE I-LINE 4" (WHITE)
3. POLYUREA PAVEMENT PAVEMENT MARKING TYPE I-LINE 5" (WHITE) 10FT DASH 30FT SKIP
4. POLYUREA PAVEMENT PAVEMENT MARKING TYPE I-LINE 12" DIAGONAL (YELLOW)
5. POLYUREA PAVEMENT PAVEMENT MARKING TYPE I-LINE 12" DIAGONAL (WHITE)
6. RAISED REFLECTIVE PAVEMENT MARKER CLUSTER OF 2 CRYSTAL/OPAQUE @ 80FT C-C
7. SHOULDER RUMBLE STRIPS
8. POLYUREA PAVEMENT MARKING TYPE I-LINE 8" (WHITE)
9. POLYUREA PAVEMENT MARKING TYPE I-LINE 12" (WHITE)
10. POLYUREA PAVEMENT MARKING TYPE I-LINE 4" (WHITE) 2FT DASH 6FT SKIP)

8. POLYUREA PAVEMENT MARKING TYPE I, 8" (WHITE)
9. POLYUREA PAVEMENT MARKING TYPE I, 12" (WHITE)
10. POLYUREA PAVEMENT MARKING TYPE I, 4" (WHITE) 2FT DASH 6FT SKIP)

NOTE:

ALL TYPE A, TYPE B SIGN ASSEMBLIES AND TYPE 3 SIGN PANELS MUST BE REMOVED AND REPLACED UNLESS OTHERWISE NOTED IN THE PLANS.

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USER NAME = jkjellman	DESIGNED - CRC	REVISED -	
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PLOT SCALE = 50.0000 ' / IN.	CHECKED - MRJ	REVISED -	
PLOT DATE = 12/3/2010	DATE - 10/27/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 1008+00 TO STA. 1038+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	118
		CONTRACT NO. 60M59		
		ILLINOIS FED. AID PROJECT		

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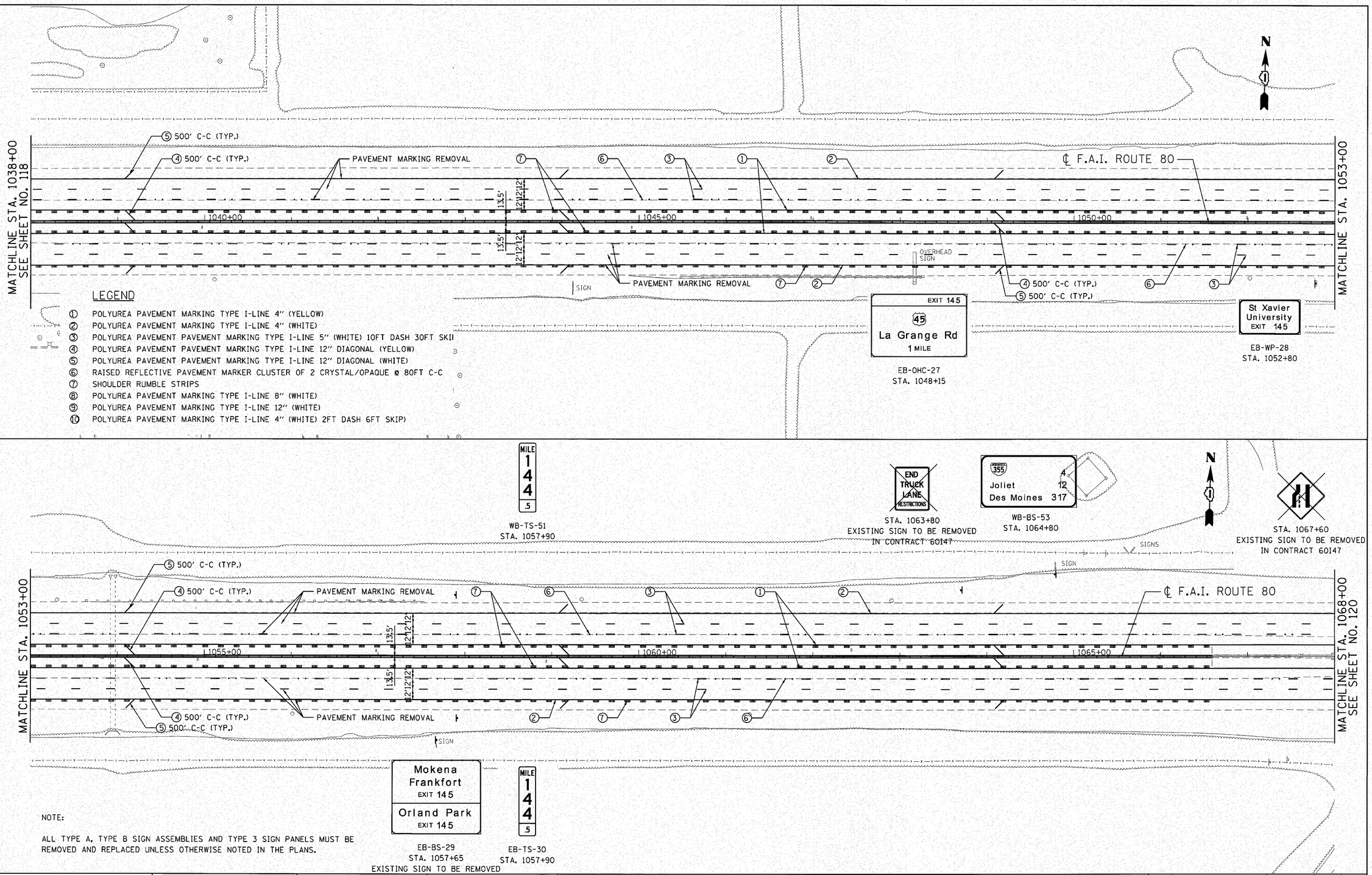

LEGEND

1. POLYUREA PAVEMENT MARKING TYPE I-LINE 4" (YELLOW)
2. POLYUREA PAVEMENT MARKING TYPE I-LINE 4" (WHITE)
3. POLYUREA PAVEMENT PAVEMENT MARKING TYPE I-LINE 5" (WHITE) 10FT DASH 30FT SKI
4. POLYUREA PAVEMENT PAVEMENT MARKING TYPE I-LINE 12" DIAGONAL (YELLOW)
5. POLYUREA PAVEMENT PAVEMENT MARKING TYPE I-LINE 12" DIAGONAL (WHITE)
6. RAISED REFLECTIVE PAVEMENT MARKER CLUSTER OF 2 CRYSTAL/OPAQUE @ 80FT C-C
7. SHOULDER RUMBLE STRIPS
8. POLYUREA PAVEMENT MARKING TYPE I-LINE 8" (WHITE)
9. POLYUREA PAVEMENT MARKING TYPE I-LINE 12" (WHITE)
10. POLYUREA PAVEMENT MARKING TYPE I-LINE 4" (WHITE) 2FT DASH 6FT SKIP)

NOTE:

ALL TYPE A, TYPE B SIGN ASSEMBLIES AND TYPE 3 SIGN PANELS MUST BE REMOVED AND REPLACED UNLESS OTHERWISE NOTED IN THE PLANS.

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	DRAWN - JMK	REVISED -
PLOT SCALE = 50.0000 ' / IN.	CHECKED - MRJ	REVISED -
PLOT DATE = 12/3/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 1038+00 TO STA. 1068+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	119
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

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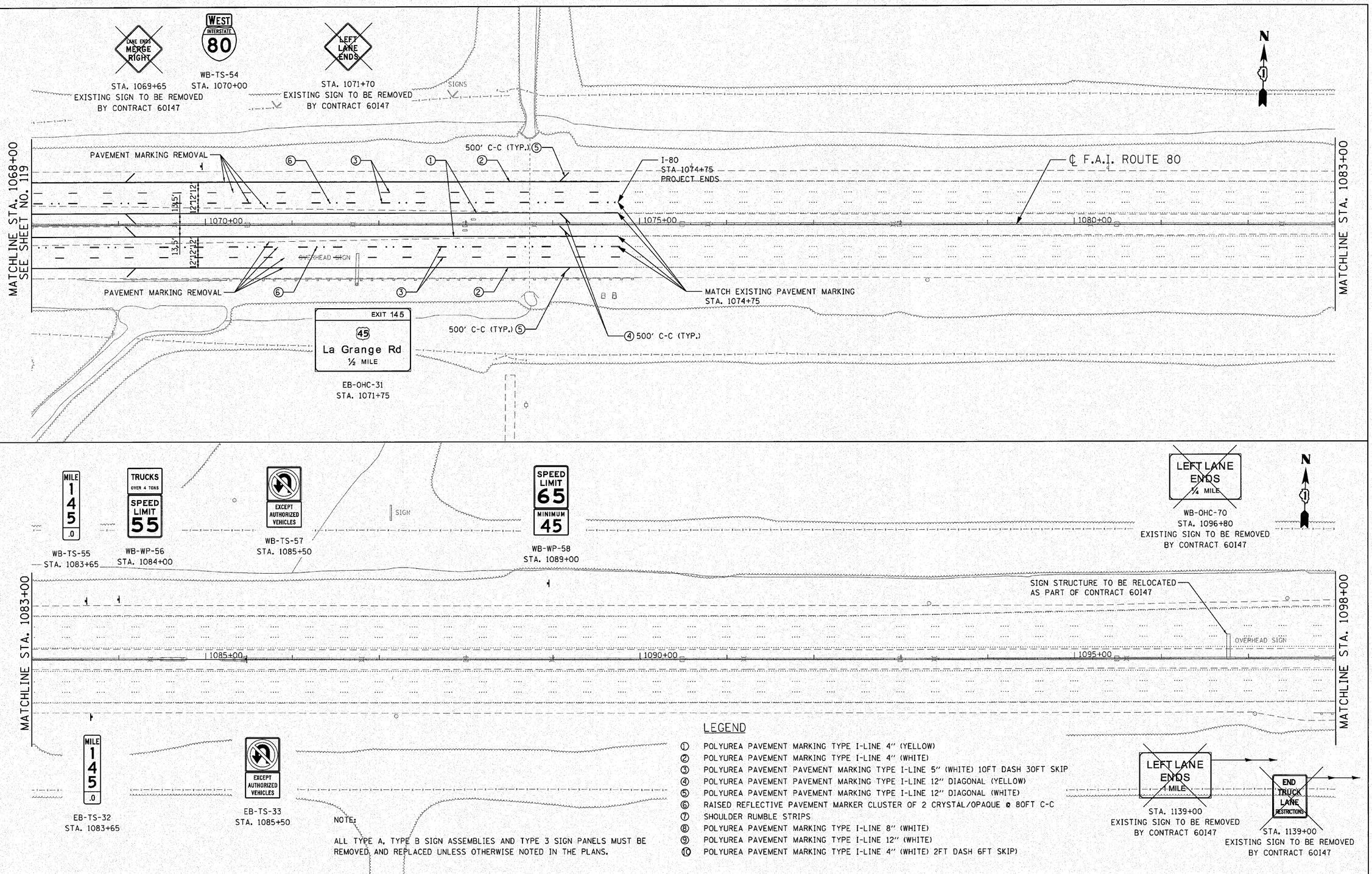

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USER NAME = jkjellman	DESIGNED - CRC	REVISED -	
	DRAWN - JMK	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - MRJ	REVISED -	
PLOT DATE = 12/3/2010	DATE - 10/27/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

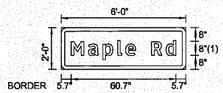
F.A.I. 80 FROM NS RAILROAD TO US 45
PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 1068+00 TO STA. 1074+75

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	120
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

NOTE:

1. ALL SIGNS ON THIS SHEET ARE ON GREEN BACKGROUND WITH WHITE LEGEND AND BORDER.

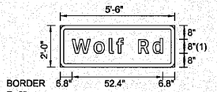


FONT:
(1) ClearviewHwy-5-W

Panel Style: guid_fwy_street name.ssi
M.U.T.C.D.: 2009 Edition

EB-WP-10
STA. 938+10

WB-WP-43
STA. 937+35



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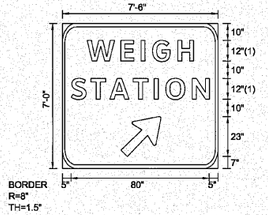
(1) ClearviewHwy-5-W

Panel Style: guid_fwy_street name.ssi
M.U.T.C.D.: 2009 Edition

EB-BM-25
STA. 1019+85

WB-BM-49
STA. 1020+20



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(1) ClearviewHwy-5-W

Panel Style: guide_fwy_gore.ssi
M.U.T.C.D.: 2009 Edition

EB-WP-20
STA. 974+20

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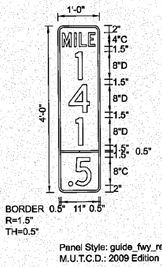
USER NAME = jkjellman						80	99(5&5-1) Y-1	WILL	309	121
PLOT DATE = 12/6/2010								CONTRACT NO. 60M59		
						FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

NOTE:

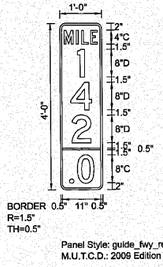
1. ALL SIGNS ON THIS SHEET ARE ON GREEN BACKGROUND WITH WHITE LEGEND AND BORDER.



Panel Style: guide_fwy_reference.ssi
M.U.T.C.D.: 2009 Edition

EB-TS-04
STA. 898+90

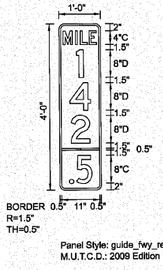
WB-TS-41
STA. 898+90



Panel Style: guide_fwy_reference.ssi
M.U.T.C.D.: 2009 Edition

EB-TS-08
STA. 928+00

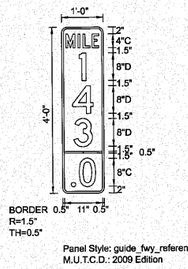
WB-TS-42
STA. 928+00



Panel Style: guide_fwy_reference.ssi
M.U.T.C.D.: 2009 Edition

EB-TS-14
STA. 954+40

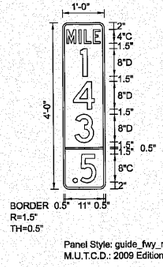
WB-TS-46
STA. 954+40



Panel Style: guide_fwy_reference.ssi
M.U.T.C.D.: 2009 Edition

EB-TS-21
STA. 977+95

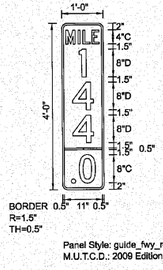
WB-TS-47
STA. 977+95



Panel Style: guide_fwy_reference.ssi
M.U.T.C.D.: 2009 Edition

EB-TS-23
STA. 1004+35

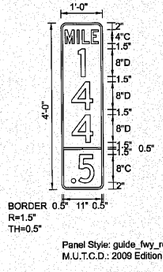
WB-TS-48
STA. 1004+35



Panel Style: guide_fwy_reference.ssi
M.U.T.C.D.: 2009 Edition

EB-TS-26
STA. 1031+50

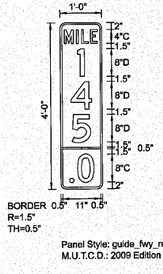
WB-TS-50
STA. 1031+50



Panel Style: guide_fwy_reference.ssi
M.U.T.C.D.: 2009 Edition

EB-TS-30
STA. 1057+90

WB-TS-51
STA. 1057+90



Panel Style: guide_fwy_reference.ssi
M.U.T.C.D.: 2009 Edition

EB-TS-32
STA. 1083+65

WB-TS-55
STA. 1083+65

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	DRAWN - GT	REVISED -
USER NAME = jkjellman	CHECKED - FML	REVISED -
PLOT DATE = 12/6/2010	DATE - 10/2010	REVISED -

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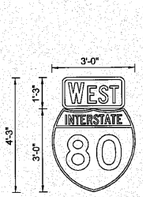
Chatham, Illinois Westmont, Illinois

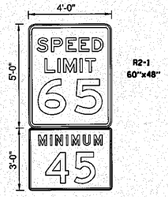
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

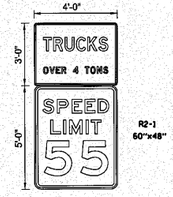
SIGNING DETAILS

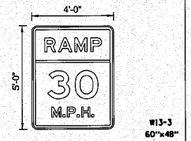
SCALE: _N.T.S._ | SHEET NO. __ OF __ SHEETS | STA. _____ TO STA. _____

F.A.-RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	122
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		









NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION	NAME	STATION
WB-TS-54	1070+00	EB-WP-01	883+45	WB-WP-56	1084+00	EB-WP-16	969+00	EB-WP-04a	909+00	EB-WP-09	934+00	EB-TS-11	945+95
		WB-WP-58	1089+00			EB-WP-18	970+70	EB-WP-25a	1024+00			EB-TS-33	1085+50
						EB-WP-19	972+70	WB-WP-41a	909+00			WB-TS-45	945+95
								WB-WP-49a	1024+00			WB-TS-57	1085+50

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USER NAME = jkjellman	CHECKED - FML	REVISED -
PLOT DATE = 12/6/2010	DATE - 10/2010	REVISED -

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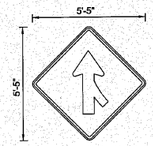
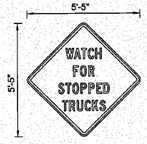
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

SCALE: _N.T.S._ | SHEET NO. __ OF __ SHEETS | STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	123
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		





NAME	STATION	NAME	STATION
EB-WP-22	998+25	EB-WP-13	950+10

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	DRAWN - GT	REVISED -
USER NAME = jkjellman	CHECKED - FML	REVISED -
PLOT DATE = 12/6/2010	DATE - 10/2010	REVISED -

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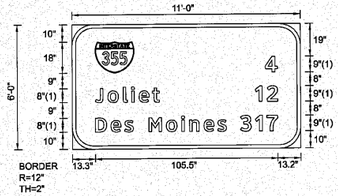
SIGNING DETAILS

SCALE: _N.T.S._ | SHEET NO. __ OF __ SHEETS | STA. _____ TO STA. _____

F.A.-RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	124
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SIGN DETAIL

1:75



FONT:
(1) ClearviewHwy-5-W

Panel Style: Guide Sign.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	WB-BS-53; STA. 1064+80
WIDTH x HGHT.	11'-0" x 6'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White / White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	13.3	44	22.5	18

Panel Style: Guide Sign.ssi
Dimensions are in inches.tenths

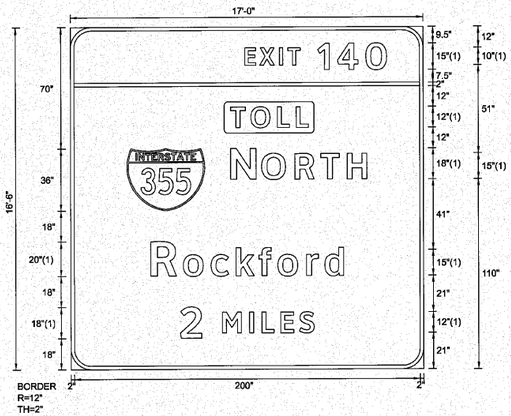
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																																		LENGTH	SERIES-SIZE
4																																			ClearviewHwy-5-W
111.6																																		7.1	9
J	o	l	i	e	t	1	2																												ClearviewHwy-5-W
13.3	20.6	29.4	34.2	38.6	46.4	105.7	112.7																											105.5	86.5,9
D	e	s		M	o	i	n	e	s	3	1	7																							ClearviewHwy-5-W
13.3	22.2	30.2	35.3	44.3	54.4	63.1	67.8	76	84	97.2	105.8	112.5																						105.5	86.5,9

SIGN DETAIL

1:75



FONT:
(1) ClearviewHwy-5-W

Panel Style: Guide Sign.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	WB–BS–44; STA. 944 + 00	
WIDTH x HGHT.	17'–0" x 16'–6"	
BORDER WIDTH	2"	
CORNER RADIUS	12"	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Green / Yellow
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White,Black /White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	32.6	92	45	36

Panel Style: Guide Sign.ssi
Dimensions are in inches.tenths

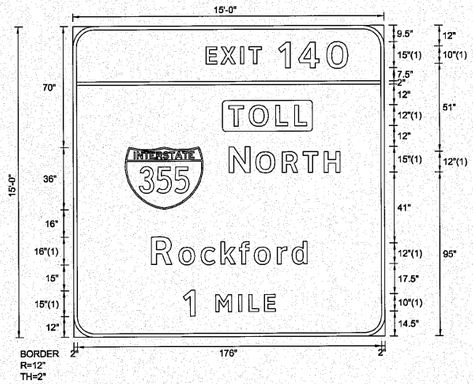
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																																	LENGTH	SERIES-SIZE
E	X	I	T	1	4	0																												ClearviewHwy-5-W
101	109.5	120.9	125.9	143	154.6	170.8																											82	10,15
T	O	L	L																															ClearviewHwy-5-W
92.6	104.3	119.7	130.6																														45	12
N	O	R	T	H																														ClearviewHwy-5-W
92.6	110.5	129.8	144.7	160																													78.9	18,15
R	o	c	k	f	o	r	d																											ClearviewHwy-5-W
46.2	65.1	81.1	95.6	108.8	119.7	136.4	147																										111.6	20,15,12.2
2	M	I	L	E	S																													ClearviewHwy-5-W
63.3	87.6	103.4	110.5	121.3	132.1																												77.5	18,12

SIGN DETAIL

1:75



FONT:
(1) ClearviewHwy-5-W

Panel Style: Guide Sign.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	WB-OHC-40; STA. 893+50	
WIDTH x HGHT.	15'-0" x 15'-0"	
BORDER WIDTH	2"	
CORNER RADIUS	12"	
MOUNTING	Overhead	
BACKGROUND	TYPE:	Reflective
	COLOR:	Green / Yellow
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White,Black /White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	30	74	45	36

Panel Style: Guide Sign.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																																		LENGTH	SERIES-SIZE
E	X	I	T	1	4	0																														ClearviewHwy-5-W
77	85.5	96.9	101.9	119	130.6	146.8																													82	10,15
T	O	L	L																																	ClearviewHwy-5-W
90	101.8	117.2	128																																45	12
N	O	R	T	H																																ClearviewHwy-5-W
90	105.5	120.9	132.9	145.1																															64.2	15,12
R	o	c	k	f	o	r	d																													ClearviewHwy-5-W
44.9	60.9	73.7	85.3	95.9	104.6	117.9	126.4																												90.1	16,12?9.8
1	M	I	L	E																																ClearviewHwy-5-W
63.4	82.2	95.3	101.2	110.3																															53.2	15,10

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USER NAME = jkjellman	CHECKED - FML	REVISED -
PLOT DATE = 12/6/2010	DATE - 10/2010	REVISED -

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

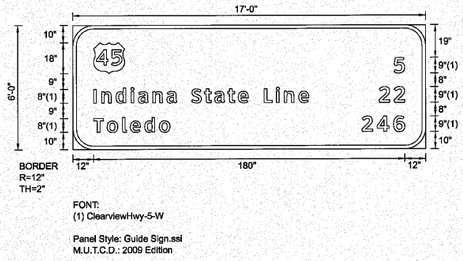
SIGNING DETAILS

SCALE: N.T.S. | SHEET NO. __ OF __ SHEETS | STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	126
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SIGN DETAIL

1:75



SIGN NUMBER	EB-BS-02; STA. 888+45	
WIDTH x HGHT.	17'-0" x 6'-0"	
BORDER WIDTH	2"	
CORNER RADIUS	12"	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Green
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White / White

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	12	44	18	18

Panel Style: Guide Sign.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																			LENGTH	SERIES-SIZE
5																				ClearviewHwy-5-W
185.8																			6.2	9
I	n	d	i	a	n	a		S	t	a	t	e		L	i	n	e			ClearviewHwy-5-W
12	16.7	24.9	33.6	37.8	46.3	54.3	60.3	68.6	76.1	82	89.6	95.6	101.5	110.7	117.7	122.4	130.6		124.5	86.5
2	2																			ClearviewHwy-5-W
177.1	185.8																		14.9	9
T	o	l	e	d	o															ClearviewHwy-5-W
12	19.7	28.6	33.2	41.5	50														44.1	86.5
2	4	6																		ClearviewHwy-5-W
167.1	175.8	185.5																	24.8	9

FILE NAME =	DESIGNED - ST	REVISED -
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USER NAME = jkjellman	CHECKED - FML	REVISED -
PLOT DATE = 12/6/2010	DATE - 10/2010	REVISED -

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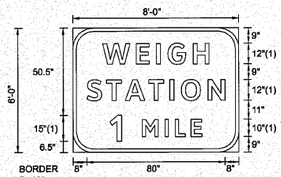
DEPARTMENT OF TRANSPORTATION

SIGNING DETAILS

SCALE: N.T.S. | SHEET NO. __ OF __ SHEETS | STA. _____ TO STA. _____

F.A.-RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	127
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SIGN DETAIL
1:75



FONT:
(1) ClearviewHwy-5-W

Panel Style: Guide Sign.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	EB–BS–05; STA. 912+50	
WIDTH x HGHT.	8'–0" x 6'–0"	
BORDER WIDTH	2"	
CORNER RADIUS	12"	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Green
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White / White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Guide Sign.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																																			LENGTH	SERIES-SIZE
W	E	I	G	H																																	ClearviewHwy-5-W
17.2	36.6	48.3	55	69.6																																61.6	12
S	T	A	T	I	O	N																																	ClearviewHwy-5-W
8	19.4	30.4	43.9	56.1	62.7	78.1																																79.9	12
1	M	I	L	E																																			ClearviewHwy-5-W
21.4	40.2	53.3	59.2	68.3																																53.2	15,10

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	DRAWN -	REVISED -
USER NAME = jkjellman	CHECKED - FML	REVISED -
PLOT DATE = 12/6/2010	DATE - 10/2010	REVISED -

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DEPARTMENT OF TRANSPORTATION

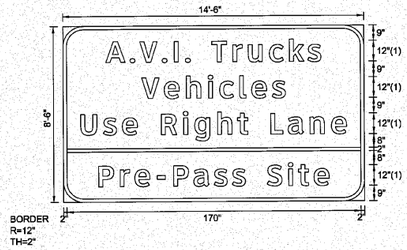
SIGNING DETAILS

SCALE: _N.T.S._ | SHEET NO. __ OF __ SHEETS | STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	128
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SIGN DETAIL

1:75



FONT:
(1) ClearviewHwy-5-W

Panel Style: guide_exp_advance_a.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	EB–BS–06; STA. 918 + 65	
WIDTH x HGHT.	14'–6" x 8'–6"	
BORDER WIDTH	2"	
CORNER RADIUS	12"	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Green
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	Black / Black

SYMBOL	ROT	X	Y	WID	HT

Panel Style: guide_exp_advance_a.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

															LENGTH	SERIES-SIZE
A	.	V	.	I	.		T	r	u	c	k	s				ClearviewHwy-5-W
24.7	38.7	44.4	57.3	64.3	70.8	73.7	86.2	98.3	107.2	119.4	131	141.6			124.6	129.8
V	e	h	i	c	l	e	s									ClearviewHwy-5-W
45.5	58.5	71.3	83.9	90.5	102.1	109	120.9								83.1	129.8
U	s	e		R	i	g	h	t		L	a	n	e			ClearviewHwy-5-W
10.1	23.1	34.1	42.9	56.7	69.4	76	89.3	100.9	106.8	120	130.1	142.7	155.1		153.8	129.8
P	r	e	–	P	a	s	s		S	i	t	e				ClearviewHwy-5-W
20.3	32.7	41.2	54.2	63.7	75.3	87.1	97.6	105.2	117.8	130	135.9	144.9			133.4	129.8

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	DRAWN - ST	REVISED -
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PLOT DATE = 12/6/2010	DATE - 10/2010	REVISED -

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Chatham, Illinois Westmont, Illinois

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DEPARTMENT OF TRANSPORTATION

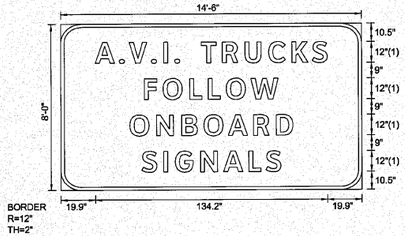
SIGNING DETAILS

SCALE: N.T.S. | SHEET NO. __ OF __ SHEETS | STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	129
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGN DETAIL

1:75



FONT:
(1) ClearviewHwy-5-W

Panel Style: guide_exp_advance_a.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	EB–BS–07; STA. 925 + 00	
WIDTH x HGHT.	14'–6" x 8'–0"	
BORDER WIDTH	2"	
CORNER RADIUS	12"	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Green
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	Black / Black

SYMBOL	ROT	X	Y	WID	HT

Panel Style: guide_exp_advance_a.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

															LENGTH	SERIES-SIZE
A	.	V	.	I	.		T	R	U	C	K	S				ClearviewHwy-5-W
19.9	33.8	39.6	52.4	59.5	65.9	68.9	81.3	93.5	106.6	120.2	133.7	145.5			134.3	12
F	O	L	L	O	W											ClearviewHwy-5-W
48.3	59.1	74.5	85.3	95.7	109.9										77.5	12
O	N	B	O	A	R	D										ClearviewHwy-5-W
39.8	55.2	69.8	82.6	96.7	111.4	124.6									94.4	12
S	I	G	N	A	L	S										ClearviewHwy-5-W
46.8	59.4	66	80.7	94	108.7	118.6									80.4	12

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	DRAWN - ST	REVISED -
USER NAME = jkjellman	CHECKED - FML	REVISED -
PLOT DATE = 12/6/2010	DATE - 10/2010	REVISED -

LIN ENGINEERING, LTD.
Consulting Engineers
Chatham, Illinois Westmont, Illinois

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

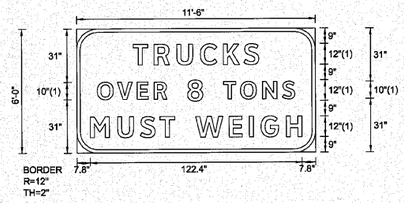
SIGNING DETAILS

SCALE: N.T.S. | SHEET NO. __ OF __ SHEETS | STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	130
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SIGN DETAIL

1:75



FONT:
(1) ClearviewHwy-5-W

Panel Style: Guide Sign.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	EB–BS–12; STA. 946+55	
WIDTH x HGHT.	11'–6" x 6'–0"	
BORDER WIDTH	2"	
CORNER RADIUS	12"	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Green
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White / White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Guide Sign.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

											LENGTH	SERIES-SIZE
T	R	U	C	K	S							ClearviewHwy-5-W
32.6	44.8	57.9	71.5	85	96.8						72.9	12
O	V	E	R	8	T	O	N	S				ClearviewHwy-5-W
11.9	23.6	35	44.7	64.1	84.9	94.7	107.5	118.9			114.3	10,12
M	U	S	T		W	E	I	G	H			ClearviewHwy-5-W
7.8	23.5	36.6	48	56.7	68.6	88.1	99.8	106.4	121.1		122.5	12

FILE NAME = N:\PROJ\3384\3.East\Design\Striping_Signing\SIGN\signing-details.dgn	DESIGNED - ST	REVISED -
	DRAWN - ST	REVISED -
USER NAME = jkjellman	CHECKED - FML	REVISED -
PLOT DATE = 12/6/2010	DATE - 10/2010	REVISED -

LIN ENGINEERING,LTD.
Consulting Engineers
Chatham, Illinois Westmont, Illinois

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

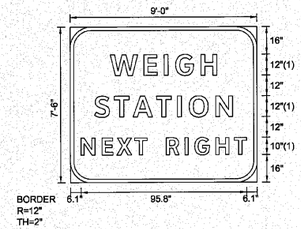
SIGNING DETAILS

SCALE: _N.T.S._ | SHEET NO. __ OF __ SHEETS | STA. _____ TO STA. _____

F.A.-RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	131
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SIGN DETAIL

1:75



FONT:
(1) ClearviewHwy-5-W

Panel Style: Guide Sign.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	EB–BS–15; STA. 958+00	
WIDTH x HGHT.	9'–0" x 7'–6"	
BORDER WIDTH	2"	
CORNER RADIUS	12"	
MOUNTING	Ground	
BACKGROUND	TYPE:	Reflective
	COLOR:	Green
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White / White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: Guide Sign.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																																	LENGTH	SERIES-SIZE
W	E	I	G	H																														ClearviewHwy-5-W
23.2	42.6	54.3	61	75.6																													61.6	12
S	T	A	T	I	O	N																												ClearviewHwy-5-W
14	25.4	36.3	49.9	62.1	68.7	84.1																											79.9	12
N	E	X	T		R	I	G	H	T																									ClearviewHwy-5-W
6.1	18.3	26.9	37.2	44.4	55.4	66.3	71.9	84.1	94.7																								95.8	10

FILE NAME =	DESIGNED - ST	REVISED -
N:\PROJ\3384\3.East\Design\Striping_Signing\Signing-details\sheets.dgn	DRAWN - ST	REVISED -
USER NAME = jkjellman	CHECKED - FML	REVISED -
PLOT DATE = 12/6/2010	DATE - 10/2010	REVISED -

LIN ENGINEERING,LTD.
Consulting Engineers
Chatham, Illinois Westmont, Illinois

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

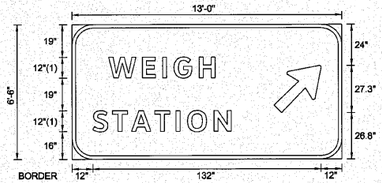
SIGNING DETAILS

SCALE: N.T.S. | SHEET NO. __ OF __ SHEETS | STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	132
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SIGN DETAIL

1:75



SIGN NUMBER	EB–OHC–17; STA. 969+15
WIDTH x HGHT.	13'–0" x 6'–6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White / White

SYMBOL	ROT	X	Y	WID	HT
ARMED	45	116.7	26.8	22.3	35.1

Panel Style: Guide Sign.ssi
Dimensions are in inches.tenths

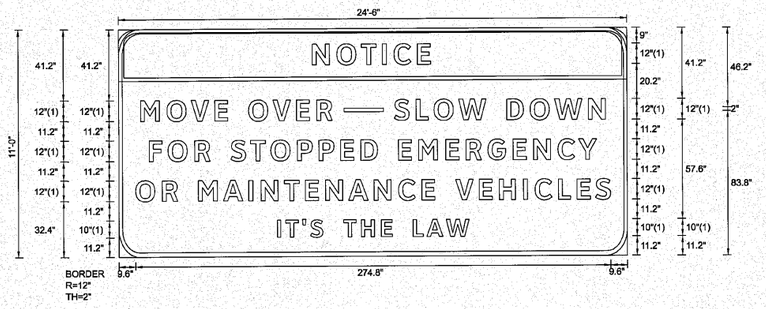
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																																		LENGTH	SERIES-SIZE
W	E	I	G	H																																ClearviewHwy-5-W
21.2	40.6	52.3	59	73.6																															61.6	12
S	T	A	T	I	O	N																														ClearviewHwy-5-W
12	23.4	34.3	47.8	60	66.7	82.1																													79.9	12

SIGN DETAIL

1:75



FONT:
(1) ClearviewHwy-5-W

Panel Style: guide_exp_advance_a.ssi
M.U.T.C.D.: 2009 Edition

Panel Style: guide_exp_advance_a.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	EB–WP–24; 1017 + 10
WIDTH x HGHT.	24'–6" x 11'–0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black / Black

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)

																																		LENGTH	SERIES-SIZE
N	O	T	I	C	E																															ClearviewHwy–5–W
112.2	126.3	140.5	152.7	159.4	172.8																														68.3	12
M	O	V	E	O	V	E	R	S	L	O	W	D	O	W	N																					ClearviewHwy–5–W
12.6	27.8	41.9	55.5	75.2	89.3	102.8	114.5	159.5	172.1	182.4	196.7	224.5	238	252.2	271.6																				268.9	12
F	O	R	S	T	O	P	P	E	D	E	M	E	R	G	E	N	C	Y																		ClearviewHwy–5–W
17.6	28.4	43.9	64.8	76.2	87.9	103.4	115.9	128.4	140.1	161.7	173.4	189.1	200.8	213.5	228.1	239.8	254	265.9																	258.7	12
O	R	M	A	I	N	T	E	N	A	N	C	E	V	E	H	I	C	L	E	S																ClearviewHwy–5–W
9.6	25	46	60.4	75.1	82.2	95.7	107.9	119.6	132.9	147.6	161.7	175.2	194.8	208.4	220.1	234	240.7	254.2	265	275.7															274.8	12
I	T	'	S	T	H	E	L	A	W																										111	10

FILE NAME =	DESIGNED - ST	REVISED -	LIN ENGINEERING, LTD. Consulting Engineers Chatham, Illinois Westmont, Illinois
N:\PROJ\3384\3_East\Design\Striping\Signing-details.dgn	DRAWN - GJ	REVISED -	
USER NAME = jkjellman	CHECKED - FML	REVISED -	
PLOT DATE = 12/6/2010	DATE - 10/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

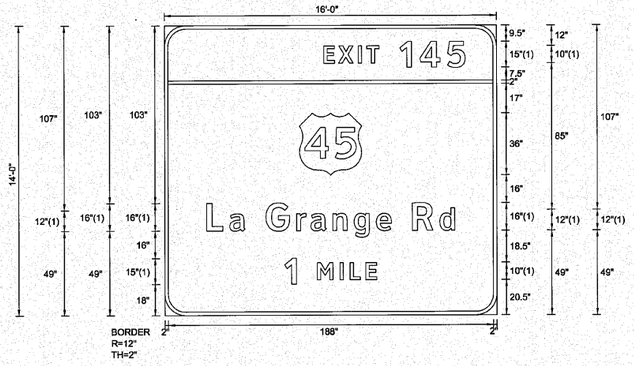
SIGNING DETAILS

SCALE: N.T.S. | SHEET NO. __ OF __ SHEETS | STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	134
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SIGN DETAIL

1:75



Panel Style: Guide Sign.ssi
Dimensions are in inches.tenths

FONT:
(1) ClearviewHwy-5-W

Panel Style: Guide Sign.ssi
M.U.T.C.D.: 2009 Edition

Letter locations are panel edge to lower left corner

SIGN NUMBER	EB–OHC–27; STA. 1048+15	
WIDTH x HGHT.	16'–0" x 14'–0"	
BORDER WIDTH	2"	
CORNER RADIUS	12"	
MOUNTING	Overhead	
BACKGROUND	TYPE:	Reflective
	COLOR:	Green
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White / White

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	78	81	36	36

LETTER POSITIONS (X)

											LENGTH	SERIES/SIZE
E	X	I	T	1	4	5						ClearviewHwy-5-W
92.1	100.7	112.1	117	136.2	147.7	163.7					81.9	10,15
L	a	G	r	a	n	g	e	R	d			ClearviewHwy-5-W
24.3	37.6	58.5	76.3	84.5	97.2	109.6	122.4	143.2	159.1		143.5	16,12/9.8
1	M	I	L	E								ClearviewHwy-5-W
69.4	88.1	101.3	107.2	116.2							53.2	15,10

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USER NAME = jkjellman	CHECKED - FML	REVISED -	
PLOT DATE = 12/6/2010	DATE - 10/2010	REVISED -	

LIN ENGINEERING,LTD.
Consulting Engineers
Chatham, Illinois Westmont, Illinois

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

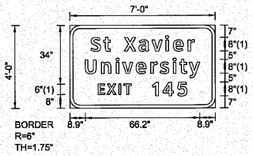
SIGNING DETAILS

SCALE: _N.T.S._ | SHEET NO. __ OF __ SHEETS | STA. _____ TO STA. _____

F.A.-RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	135
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

SIGN DETAIL

1:75



FONT:
(1) ClearviewHwy-5-W

Panel Style: guide_exp_advance_a.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	EB-WP-28; STA. 1052+80	
WIDTH x HGHT.	7'-0" x 4'-0"	
BORDER WIDTH	1.75"	
CORNER RADIUS	6"	
MOUNTING	Overhead	
BACKGROUND	TYPE:	Reflective
	COLOR:	Green
LEGEND/BORDER	TYPE:	Reflective
	COLOR:	White / White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: guide_exp_advance_a.ssi
Dimensions are in inches.tenths

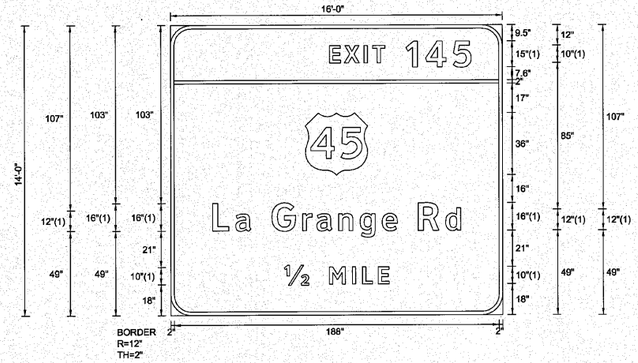
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

											LENGTH	SERIES-SIZE
S	t		X	a	v	i	e	r				ClearviewHwy-5-W
12	19.5	23.4	31.3	39.9	47.4	55.4	59.8	68.4			60	8&6.5
U	n	i	v	e	r	s	i	t	y			ClearviewHwy-5-W
8.9	18.2	26.6	30.4	38.2	46.8	52.1	59.6	63.5	68.9		66.2	8&6.5
E	X	I	T	1	4	5						ClearviewHwy-5-W
16.3	21.4	28.3	31.2	47.5	53.7	62.2					51.4	6,8

SIGN DETAIL

1:75



Panel Style: Guide Sign.ssi
Dimensions are in inches.tenths

FONT:
(1) Clearview-Hwy-5-W

Panel Style: Guide Sign.ssi
M.U.T.C.D.: 2009 Edition

SIGN NUMBER	EB-OHC-31; STA. 1071+75
WIDTH x HGHT.	16'-0" x 14'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White / White

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	78	81	36	36

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

																																			LENGTH	SERIES-SIZE
E	X	I	T	1	4	5																														ClearviewHwy-5-W
92.1	100.7	112.1	117	136.2	147.7	163.7																													81.9	10,15
L	a	G	r	a	n	g	e	R	d																											ClearviewHwy-5-W
24.3	37.6	58.5	76.3	84.5	97.2	109.6	122.4	143.2	159.1																										143.5	16,12,9.8
½	M	I	L	E																																ClearviewHwy-5-W
65.7	91.9	105	110.9	120																															60.7	10

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	DRAWN -	REVISED -
USER NAME = jkjellman	CHECKED - FML	REVISED -
PLOT DATE = 12/6/2010	DATE - 10/2010	REVISED -

LIN ENGINEERING, LTD.
Consulting Engineers
Chatham, Illinois Westmont, Illinois

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

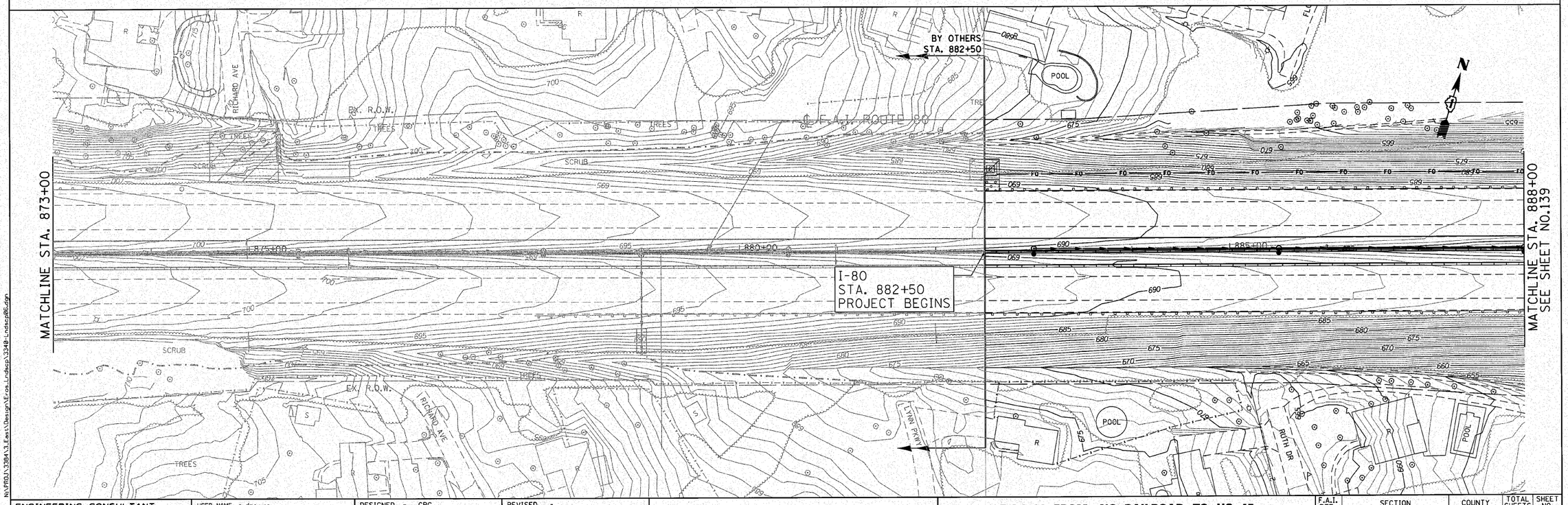
SIGNING DETAILS

SCALE: N.T.S. | SHEET NO. __ OF __ SHEETS | STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	137
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

LEGEND

- TREE REMOVAL
- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH MULCH METHOD 2



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ENGINEERING CONSULTANT	USER NAME = dmorris	DESIGNED - CRC	REVISED -
Cierba Group, Inc. CONSULTING ENGINEERS 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel 773.775.4009 Fax 773.775.4014 Email chicago@cierba.com		DRAWN - JMK	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - MRJ	REVISED -
	PLOT DATE = 12/6/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
LANDSCAPING PLAN

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 882+50 | TO STA. 888+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	138
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

MATCHLINE STA. 888+00
SEE SHEET NO.138

MATCHLINE STA. 903+00

EX. R.O.W.

℄ F.A.I. ROUTE 80

N

N S RAILROAD

LEGEND

TREE REMOVAL

SEEDING CLASS 2A WITH EROSION CONTROL BLANKET

SEEDING CLASS 4 WITH MULCH METHOD 2

MATCHLINE STA. 903+00

MATCHLINE STA. 918+00
SEE SHEET NO.140

EX. R.O.W.

℄ F.A.I. ROUTE 80

EX. R.O.W.

N:\proj\13841\3_east\design\eros_indscp07.dgn

ENGINEERING CONSULTANT	USER NAME = dmorris	DESIGNED - CRC	REVISED -
Ciorba Group, Inc. CONSULTING ENGINEERS 6507 North Cumberland Avenue, Suite 400 Chicago, Illinois 60656 Tel. 773.775.4000 Fax 773.775.4014 Email chicago@ciorba.com		DRAWN - JMK	REVISED -
	PLOT SCALE = 0.5000 ' / IN.	CHECKED - MRJ	REVISED -
	PLOT DATE = 12/6/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
LANDSCAPING PLAN

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 888+00 | TO STA. 918+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	139
		CONTRACT NO. 60M59		
		ILLINOIS	FED. AID PROJECT	

MATCHLINE STA. 918+00
SEE SHEET NO.139

MATCHLINE STA. 933+00

HALEY RD

POOL

EX. R.O.W.

℄ F.A.I. ROUTE 80

LEGEND

TREE REMOVAL

SEEDING CLASS 2A WITH EROSION CONTROL BLANKET

SEEDING CLASS 4 WITH MULCH METHOD 2

MATCHLINE STA. 933+00

MATCHLINE STA. 948+00
SEE SHEET NO.141

BILLBOARDS

CELL TOWER

MAPLE AVE

EX. R.O.W.

℄ F.A.I. ROUTE 80

MAPLE ROAD

EX. R.O.W.

PILE

PILE

PILE

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ENGINEERING CONSULTANT	USER NAME = dmorris	DESIGNED - CRC	REVISED -
Clorba Group, Inc. CONSULTING ENGINEERS 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel: 773.775.4008 Fax 773.775.4014 Email chicago@clorba.com		DRAWN - JMK	REVISED -
	PLOT SCALE = 0.5000 ' / IN.	CHECKED - MRJ	REVISED -
	PLOT DATE = 12/6/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
LANDSCAPING PLAN

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 918+00 | TO STA. 948+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	140
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

MATCHLINE STA. 948+00
SEE SHEET NO.140

℄ F.A.I. ROUTE 80

EX. R.O.W.

EX. R.O.W.

APPROX. LOCATION

PILE

CELL TOWER

LEGEND

TREE REMOVAL

SEEDING CLASS 2A WITH EROSION CONTROL BLANKET

SEEDING CLASS 4 WITH MULCH METHOD 2

MATCHLINE STA. 963+00

MATCHLINE STA. 963+00

MATCHLINE STA. 978+00
SEE SHEET NO.142

WEIGH STATION RAMP

℄ F.A.I. ROUTE 80

EX. R.O.W.

EX. R.O.W.

BILLBOARD

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	DRAWN - JMK	REVISED -	
PLOT SCALE = 0.5000 ' / IN.	CHECKED - MRJ	REVISED -	
PLOT DATE = 12/6/2010	DATE - 10/27/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
LANDSCAPING PLAN

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 948+00 | TO STA. 978+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	141
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

MATCHLINE STA. 978+00
SEE SHEET NO.141

MATCHLINE STA. 993+00

EX. R.O.W.

℄ F.A.I. ROUTE 80

EX. R.O.W.

OFFICE

WEIGH STATION

LEGEND

TREE REMOVAL

SEEDING CLASS 2A WITH EROSION CONTROL BLANKET

SEEDING CLASS 4 WITH MULCH METHOD 2

MATCHLINE STA. 993+00

SIGN

EX. R.O.W.

BILLBOARDS

SIGN

℄ F.A.I. ROUTE 80

MATCHLINE STA. 1008+00
SEE SHEET NO.143

WEIGH STATION RAMP

EX. R.O.W.

POOL

POOL

POOL

POOL

POOL

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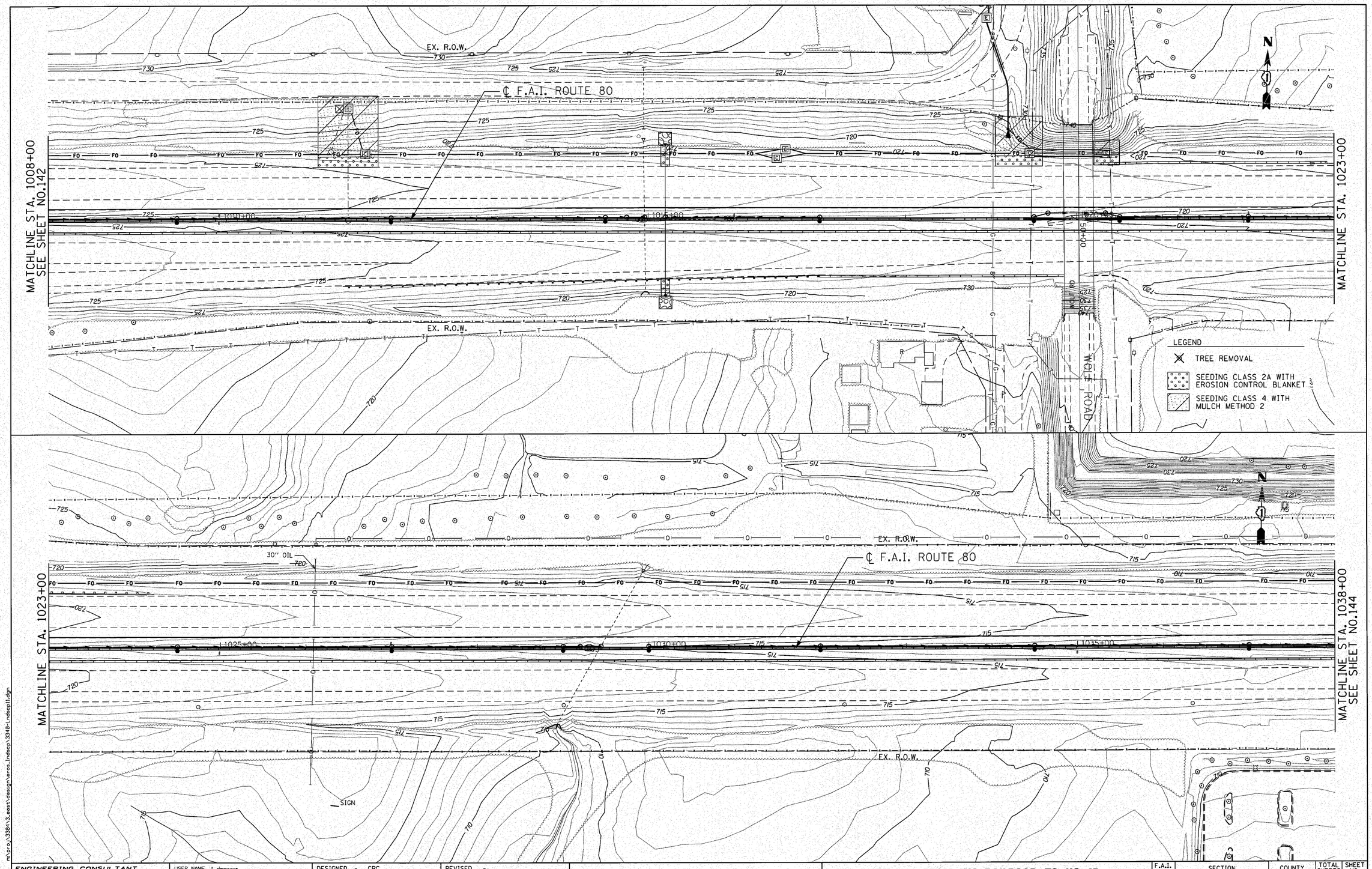
PLOT DATE = 12/6/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
LANDSCAPING PLAN

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 978+00 | TO STA. 1008+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	142
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			



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PLOT DATE = 12/6/2010	DATE - 10/27/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
LANDSCAPING PLAN

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 1008+00 TO STA. 1038+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	143
		CONTRACT NO. 60M59		
		ILLINOIS FED. AID PROJECT		

MATCHLINE STA. 1038+00
SEE SHEET NO.143

℄ F.A.I. ROUTE 80

EX. R.O.W.

MATCHLINE STA. 1053+00

N

LEGEND

- TREE REMOVAL
- SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- SEEDING CLASS 4 WITH MULCH METHOD 2

SIGN

MATCHLINE STA. 1053+00

℄ F.A.I. ROUTE 80

EX. R.O.W.

SIGNS

MATCHLINE STA. 1068+00
SEE SHEET NO.145

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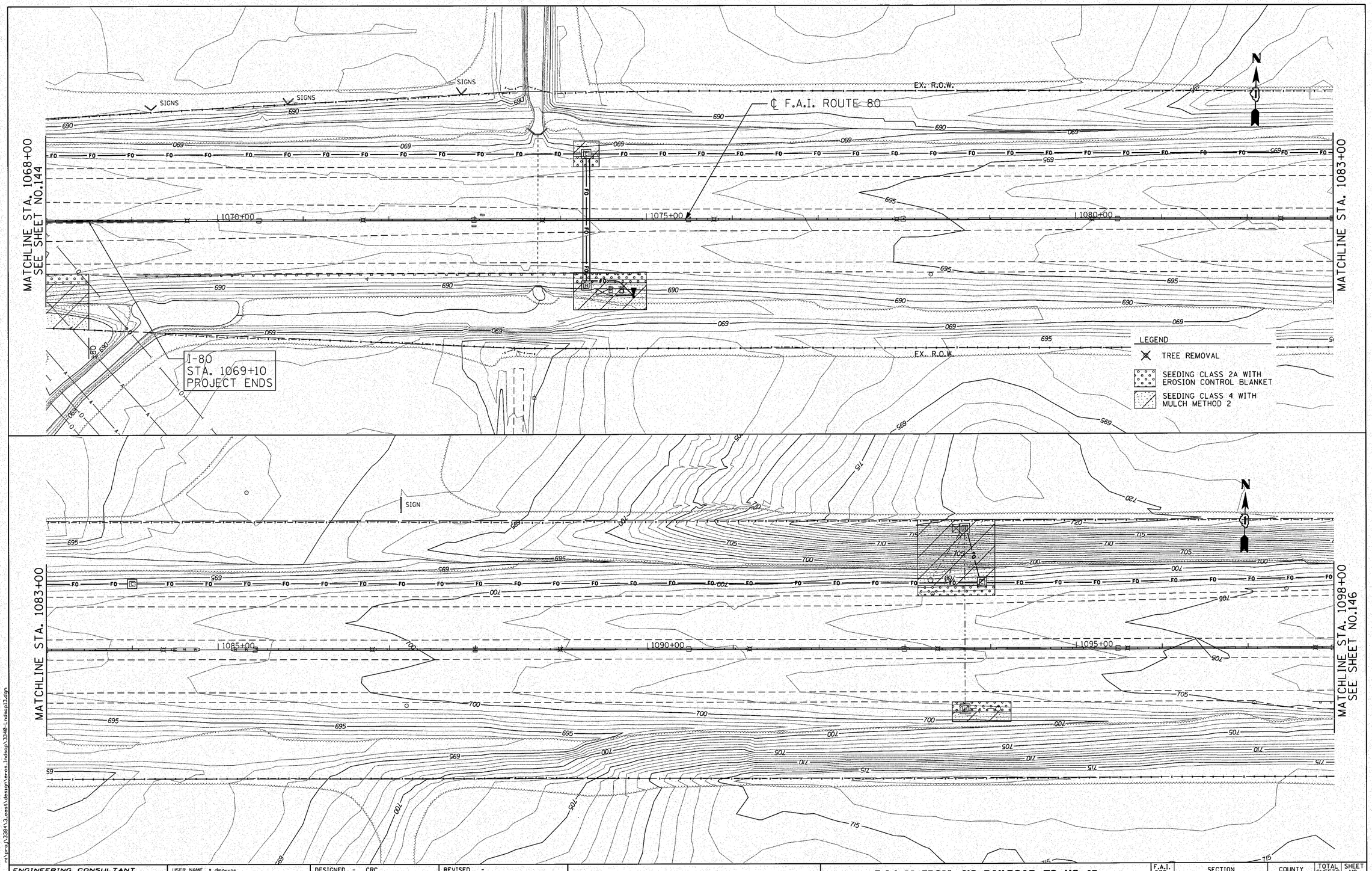
PLOT DATE = 12/6/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
LANDSCAPING PLAN

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 1038+00 TO STA. 1068+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	144
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			



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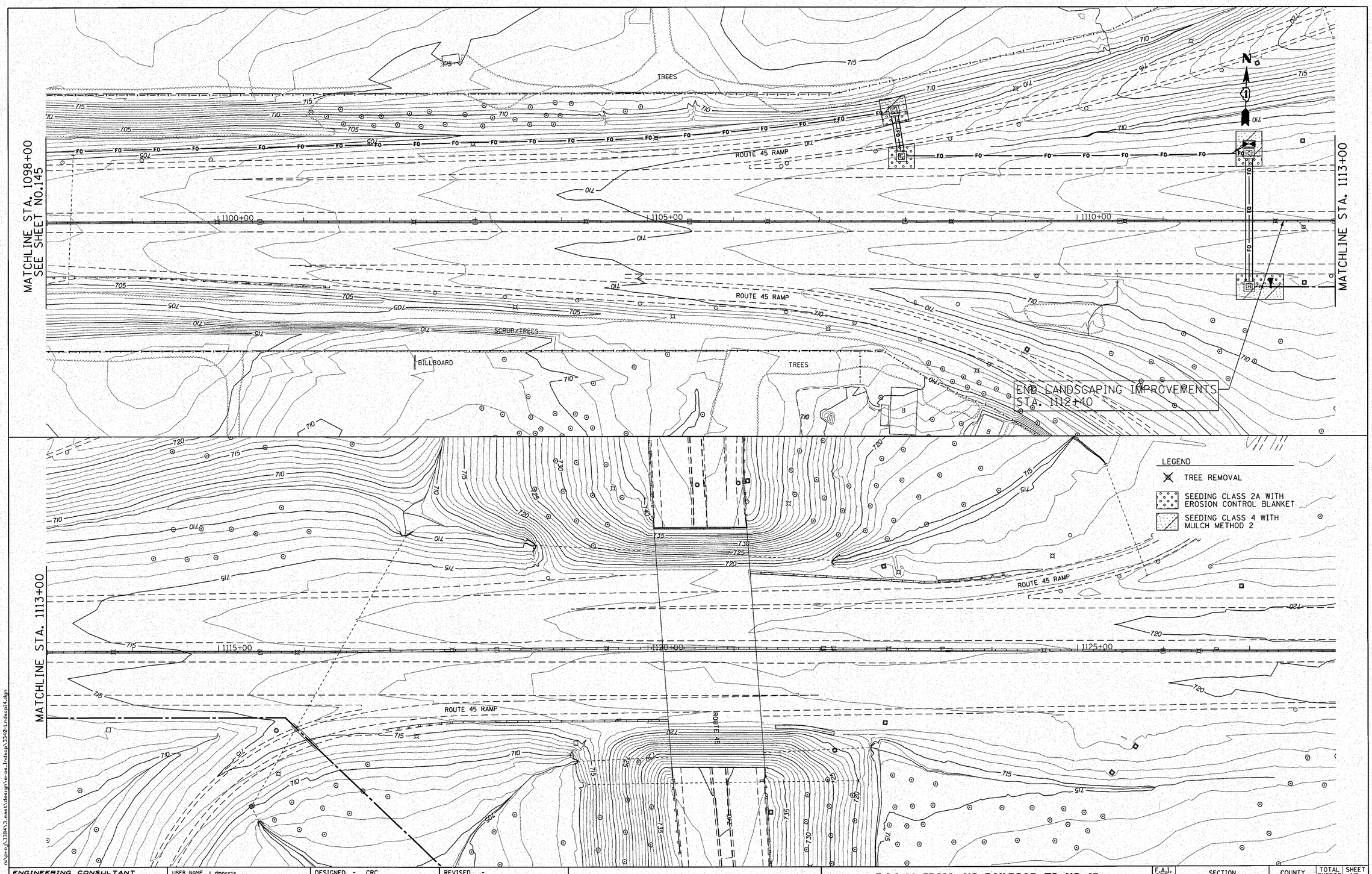
PLOT DATE = 12/6/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
LANDSCAPING PLAN

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 1068+00 TO STA. 1074+75

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	145
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			



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PLOT DATE = 12/6/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
LANDSCAPING PLAN

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 1068+00 | TO STA. 1074+75

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	146
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

CALENDAR OF LANDSCAPE CONSTRUCTION AND ESTABLISHMENT WORK

Item	2011 March	April	May	June	July	August	September	October	November	December
Vegetation Management - Woody Plant Material										
Tree Pruning: October 15 - April 15										
Selective Clearing: October 15 to April 15										
Tree Removal										
Vegetation Management - Herbaceous Weeds										
Mowing Cycle (for mowing strip along shoulder)										
Mowing and Mowing (Special)										
Weed Control, Broadleaf in Turf										
Weed Control, Teasel										
Seeding										
Seeding, Class 2A Spring: March 15 - June 1 Fall: Aug 1 - Oct 15 Dormant : Nov 15 - March 15										
Seeding, Class 4 (Modified) Spring: May 15 - June 30 Fall: Oct 15 - Nov 15 Dormant : Nov 15 - March 15										
Mowing: Mow area to be interseeded to a maximum height of 3" (INCIDENTAL)										
Weed Control, Non-Selective, Non-Residual: Spray area to be interseeded										
Interseeding, Class 4 (Modified) Woodland Mix Dormant: Nov 1 - Dec 15										

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM US 30 TO US 45
LANDSCAPING PLAN

SCALE: | SHEET NO. OF SHEETS | STA. 1068+00 TO STA. 1074+75

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	147
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

I.T.S. GENERAL NOTES

1.) THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF CABINETS AND FIBER OPTIC CABLE PRIOR TO BIDDING THE JOB. GPS LOCATIONS HAVE BEEN ADDED TO THE PLANS TO ASSIST IN FINDING THE CABINET LOCATIONS. STATIONING PROVIDED ON THE PLANS TAKE PRECEDENCE.

2.) LOCATIONS OF THE CCTV CAMERA INSTALLATIONS ARE APPROXIMATE. THE CONTRACTOR MAY ADJUST THE LOCATIONS OF THE INSTALLATIONS TO FACILITATE INSTALLATION WITH WRITTEN APPROVAL OF THE RESIDENT ENGINEER AND THE ELECTRICAL DESIGN SECTION. ALL STANDARD NON-FRANGIBLE SETBACK REQUIREMENTS AS WELL AS CLEAR ZONE REQUIREMENTS SHALL BE MAINTAINED.

3.) A MAINLINE SPLICE SHALL NOT BE IN THE SAME COMMUNICATION VAULT AS A LATERAL SPLICE. MAINLINE SPLICES SHALL UTILIZE 2 COMMUNICATION VAULTS (ONE NEXT TO THE OTHER UNLESS OTHERWISE NOTED). 1-96 SM FIBER MAINLINE SPLICE IN ONE VAULT AND THE OTHER 96 SM FIBER MAINLINE SPLICE IN THE OTHER VAULT.

4.) THE CONTRACTOR SHALL EXERCISE CARE WITH THE INSTALLATION OF UNDERGROUND EQUIPMENT AS THERE MAY BE EXISTING PRIVATELY OWNED FACILITIES WITHIN THE PROJECT LIMITS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ANY UTILITIES IN THE WORK ZONE AND REQUEST UTILITY LOCATES.

5.) THE CONTRACTOR SHALL BE AWARE OF THE DOCUMENTATION REQUIREMENTS WHICH REQUIRE GPS DATA ACQUISITION INCLUDED IN THE RECORD DRAWINGS.

6.) FIBER OPTIC CABLE SLACK SHALL BE AS FOLLOWS: 15Ø FEET FOR EACH CABLE (96 AND 12 FIBER) AT HANDHOLES AND COMMUNICATIONS VAULTS WHERE SPLICING IS INDICATED. FIBER OPTIC CABLE SLACK SHALL BE 1ØØ FEET FOR EACH CABLE AT HANDHOLES AND JUNCTION BOXES WHERE NO SPLICING IS INVOLVED. HANDHOLES ADJACENT TO CABINET HOUSING EQUIPMENT, TYPE III SHALL HAVE 1Ø FEET OF SLACK; UNLESS OTHERWISE INDICATED.

7.) THE ELECTRICAL MAINTENANCE CONTRACTOR (EMC) SHALL BE CONTACTED FOR EXISTING STATE OWNED FACILITIES LOCATES.

8.) RECORD DRAWINGS OF THE EXISTING LIGHTING INSTALLATIONS (FOR POWER) ARE AVAILABLE FOR REVIEW AT THE DISTRICT ELECTRICAL DESIGN SECTION OFFICE WITH 48 HOUR ADVANCE NOTICE.

9.) ALL UNDERGROUND RACEWAYS SHALL BE INSTALLED AT A MINIMUM DEPTH OF 3Ø-INCHES.

1Ø.) THE CONTRACTOR SHALL VERIFY ADEQUATE CLEARANCE OVER EXISTING FACILITIES BEFORE INSTALLING DUCTS, CONDUIT AND CABLES.

11.) WHERE ELECTRIC POWER IS INDICATED FROM AN EXISTING CONTROLLER, THE CONTRACTOR SHALL EXPEDITIOUSLY INSTALL THE REQUIRED CIRCUIT BREAKER(S) AND UNDERGROUND WORK. MAINTENANCE OF THE CONTROLLER SHALL BE ASSUMED BY THE CONTRACTOR DURING THE MODIFICATION OF THE CONTROLLER.

12.) WHERE A CCTV CABINET IS CONNECTED TO A TYPE 3 CABINET, A SECOND ETHERNET SWITCH SHALL BE INSTALLED.

LEGEND:

[J]	JUNCTION BOX, SIZE AS NOTED	(E)	EXISTING
[C]	COMMUNICATION VAULT	(I)	INSTALL
[H]	HEAVY DUTY HAND HOLE	(P)	PUSHED
⊠	TYPE 3 CABINET	(T)	TRENCHED
▭	GALVANIZED RIGID STEEL CONDUIT, INSTALLATION, TYPE AND SIZE AS NOTED	⋈	FIBER OPTIC INTER CONNECT CABINET
⊣□⊢	ELECTRIC SERVICE CONNECTION	[E]	ELECTRIC SERVICE INSTALLATION-GROUND MOUNTED
▭○▭	2 RADAR VEHICLE SENSING DEVICES		
▭○	1 RADAR VEHICLE SENSING DEVICE		
▲	CCTV CAMERA AND EQUIPMENT CABINET MOUNTED ON 50' POLE		
⊠	LIGHTING CABINET		

ABBREVIATIONS

PREFIX	COMPONENT
ADF	ADD/DROP, FIBER OPTIC (CWDM OR OTHER)
CAX	COAX CABLE
CSC	CABLE SPLICE, COPPER
CSF	CABLE SPLICE, FIBER OPTIC
CTD	CCTV CAMERA, DOME
CTF	CCTV CAMERA, FIXED POSITION
CBT	CHANNEL BANK, T1
CCC	CONTROL CABLE, COPPER
CVB	CONTROLLER, VIDEO, BACKUP
CVP	CONTROLLER, VIDEO, PRIMARY
DAV	DISTRIBUTION AMPLIFIER, VIDEO
DCC	DISTRIBUTION CABLE, COPPER
DCF	DISTRIBUTION CABLE, FIBER OPTIC
DEC	DECODER (CODEC MPEG2)
DMS	DYNAMIC MESSAGE SIGN
VRD	VIDEO RECORDER, DIGITAL
ENC	ENCODER (CODEC MPEG2)
ETH	ETHERNET CABLE
HHL	HANDHOLE
JBC	JUNCTION BOX, CONTROL (COPPER)
JBF	JUNCTION BOX, FIBER OPTIC CABLE
JBP	JUNCTION BOX, POWER
KBD	KEYBOARD
LDI	LOOP DETECTOR, INDUCTION
LDM	LOOP DETECTOR, MICROLOOP
MDF	MUX/DEMUX, FIBER (CWDM)
MON	MONITOR, COMPUTER
MVD	MONITOR, VIDEO
MVR	MONITOR, VIDEO, FLAT PANEL RACK (LCD RACK)
MXS	MULTIPLEXER, SONET
PCE	PATCH CABLE, ETHERNET
PCF	PATCH CABLE, FIBER

PREFIX	COMPONENT
PLP	PULLING PEDESTAL
PPC	PATCH PANEL, COPPER
PPE	PATCH PANEL, ETHERNET
PPF	PATCH PANEL, FIBER
PPV	PATCH PANEL, VIDEO
RMC	RADIO, MICROWAVE, CONTROL (UNLICENSED)
RMV	RADIO, MICROWAVE, VIDEO (UNLICENSE)
RXF	RECEIVER, FIBER OPTIC
RXT	RECEIVER, FSK TONE
SCF	SPLITTER/COMBINER, FIBER OPTIC (CWDM)
SPV	SIGNAL SPLITTER, VIDEO
SSV	SELECTOR SWITCH, VIDEO (MANUAL)
SWE	SWITCH, ETHERNET
SWV	SWITCH, VIDEO
TCC	TRUNK CABLE, COPPER
TCF	TRUNK CABLE, FIBER OPTIC
TLC	TLC WATCH EQUIPMENT
TXF	TRANSMITTER, FIBER OPTIC
TXT	TRANSMITTER, FSK TONE
VCD	VIDEO CAPTURE DEVICE
VCL	VIDEO CONTROL LOCATION
VCP	VIDEO COLLECTION POINT
WST	USER WORK STATIION

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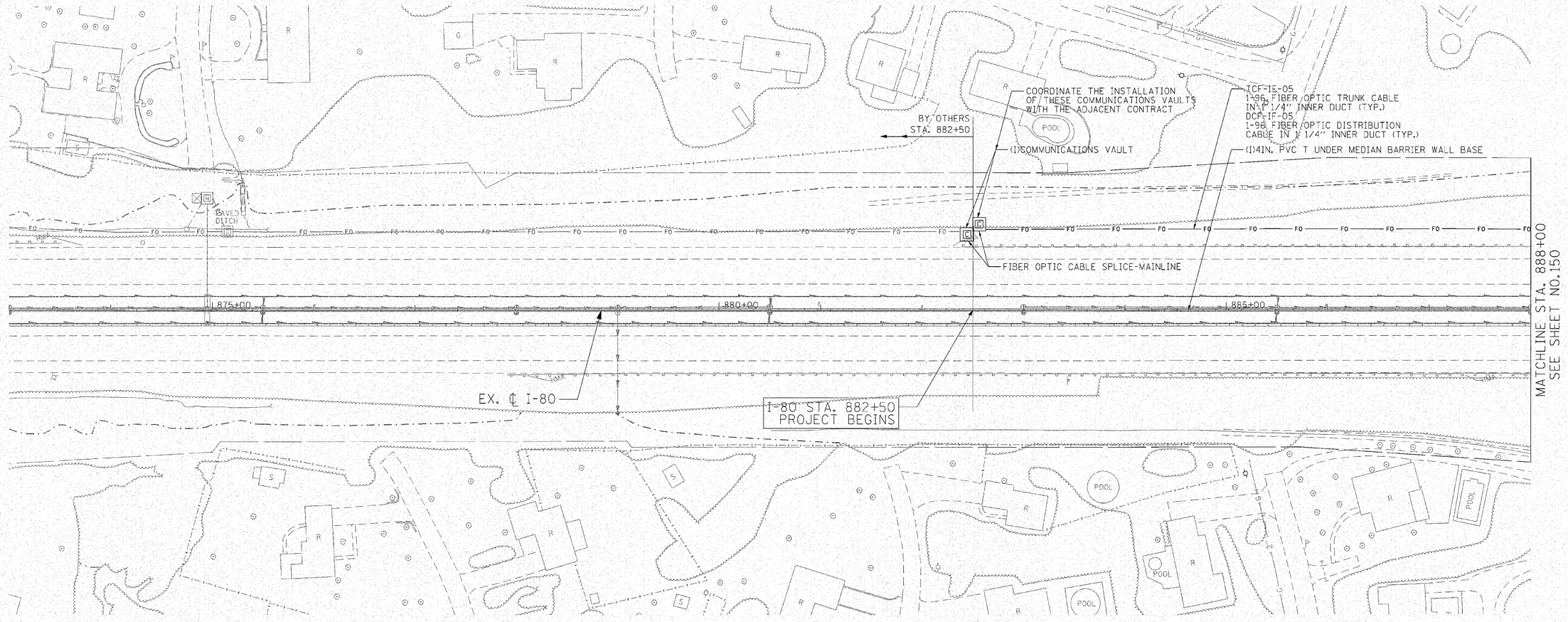
PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
I.T.S. GENERAL NOTES & LEGEND

SCALE: 1" = 50' | SHEET NO. 148 OF 309 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	148
		CONTRACT NO. 60M59		
	ILLINOIS	FED. AID PROJECT		



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PLOT DATE = 12/28/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
I.T.S. PLANS

SCALE: 1" = 50' | SHEET NO.149 OF 309 SHEETS | STA. 882+50 TO STA. 888+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	149
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

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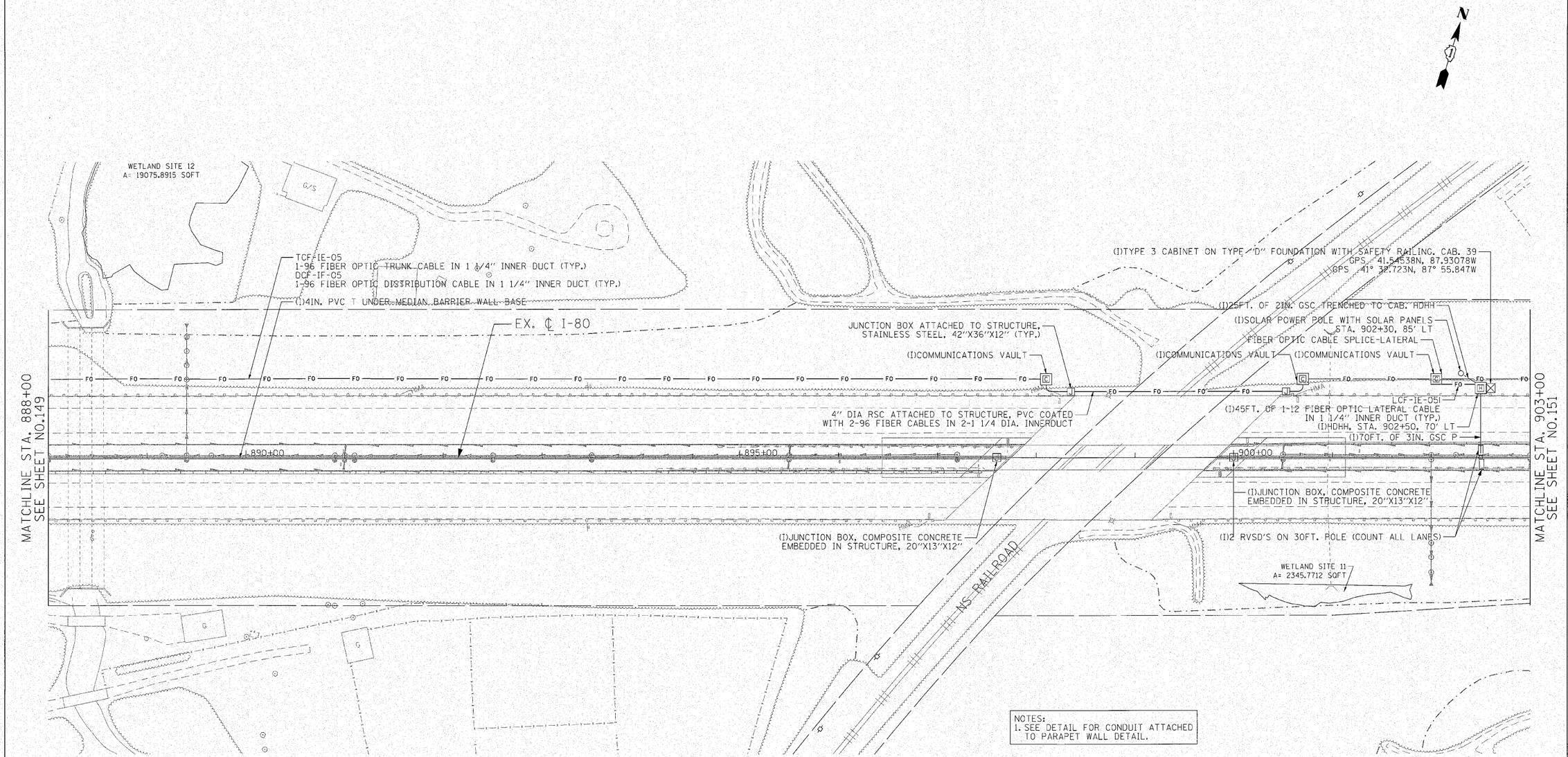

NOTES:
1. SEE DETAIL FOR CONDUIT ATTACHED TO PARAPET WALL DETAIL.

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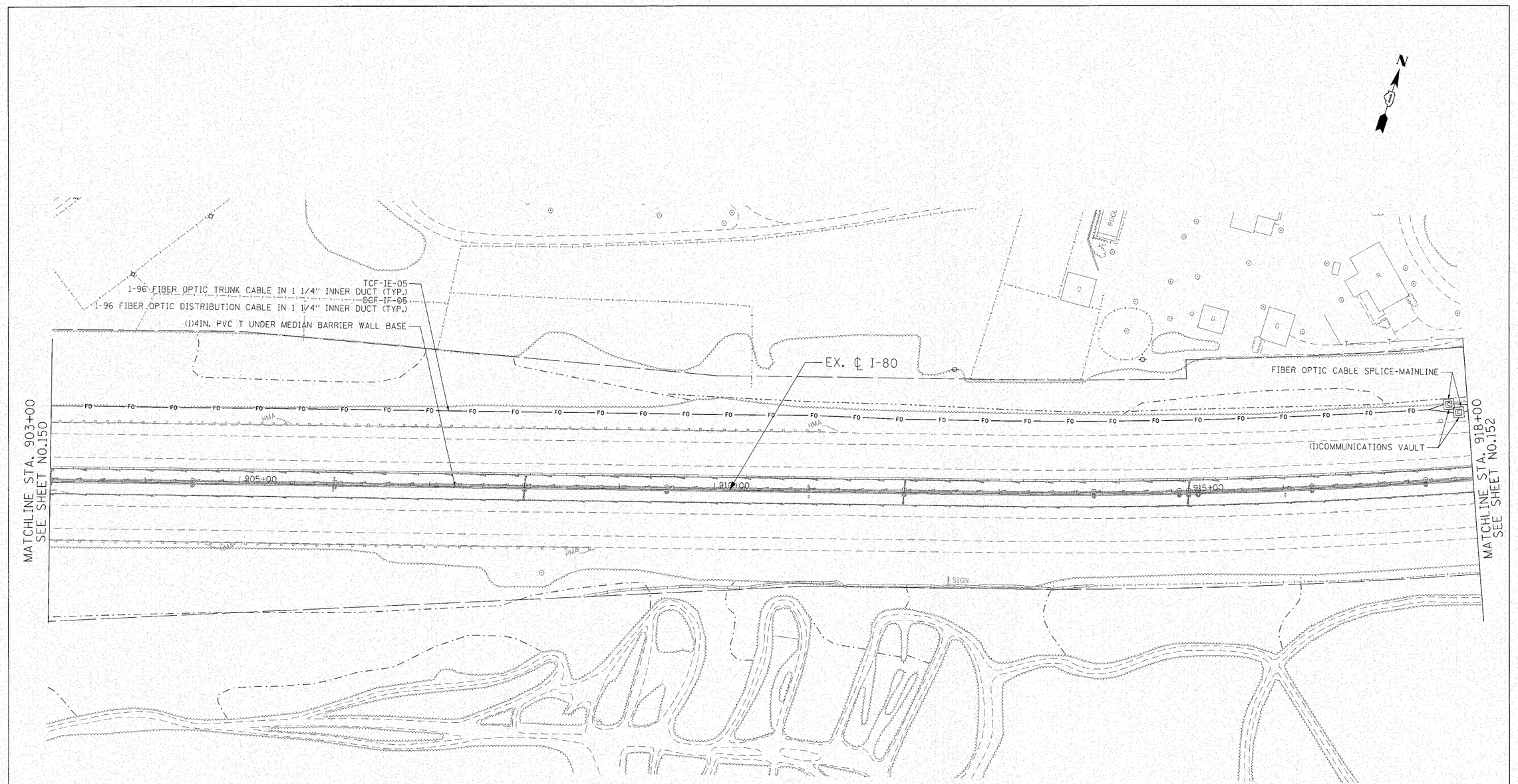
ENGINEERING CONSULTANT					
Ciorba Group, Inc. CONSULTING ENGINEERS 8257 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel. 773.775.4008 Fax 773.775.4014 Email chicago@ciorba.com	USER NAME = jkjellman	DESIGNED - JG & RT	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**F.A.I. 80 FROM NS RAILROAD TO US 45 I.T.S. PLANS NORFOLK SOUTHERN RAILROAD**
		DRAWN - RJR	REVISED -		
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JMV	REVISED -		SCALE: 1" = 50' | SHEET NO.150 OF 309 SHEETS | STA. 888+00 TO STA. 903+00
	PLOT DATE = 12/28/2010	DATE - 10/27/2010	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	150
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			



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CONSULTING ENGINEERS	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JMV	REVISED -		SCALE: 1" = 50' | SHEET NO.151 OF 309 SHEETS | STA. 903+00 TO STA. 918+00
5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel: 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com	PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	151
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	ILLINOIS FED. AID PROJECT			

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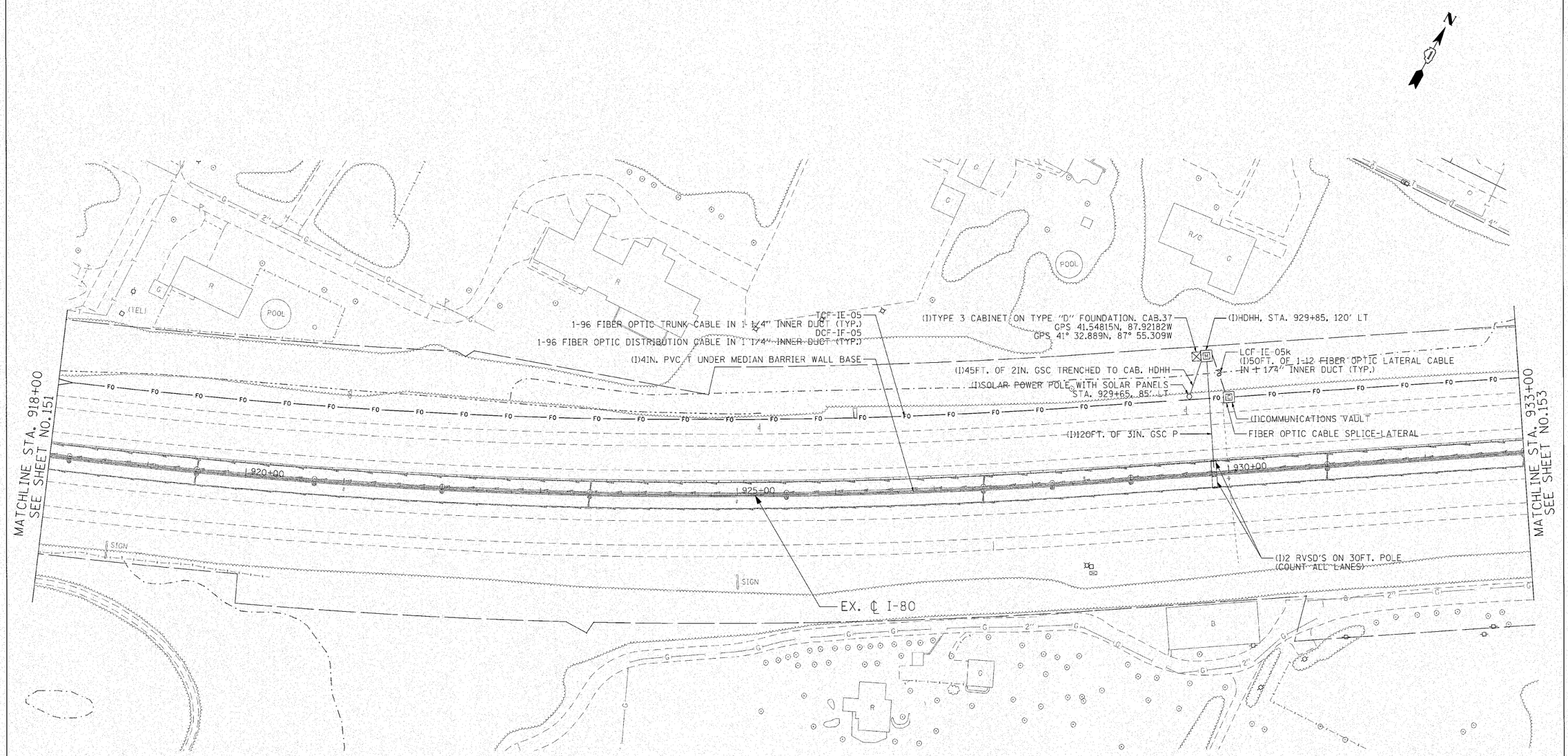

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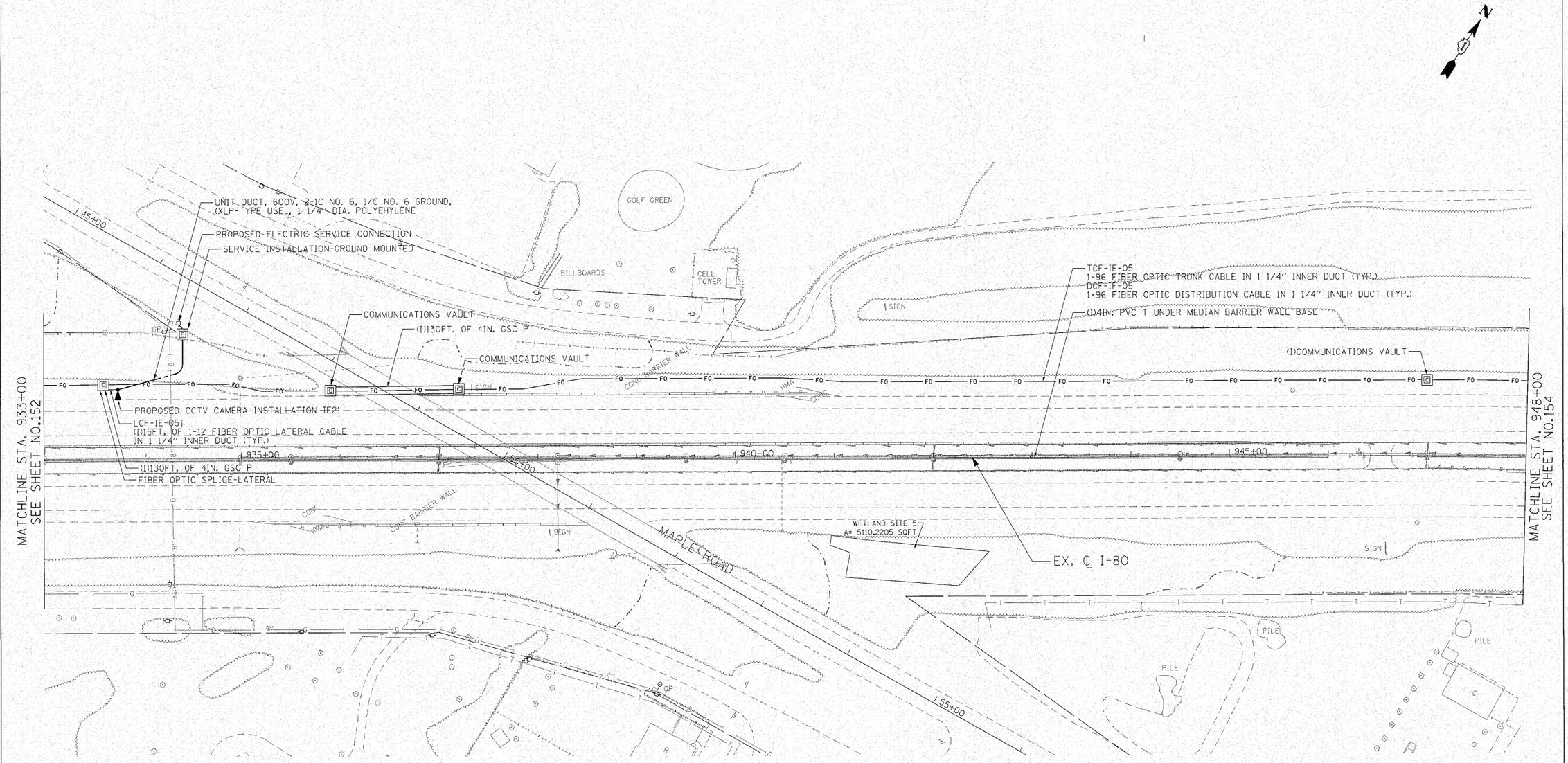
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JMV	REVISED -		**MAPLE ROAD**
	PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -	SCALE: 1" = 50'	SHEET NO.152 OF 309 SHEETS STA. 918+00 TO STA. 933+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	152
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			



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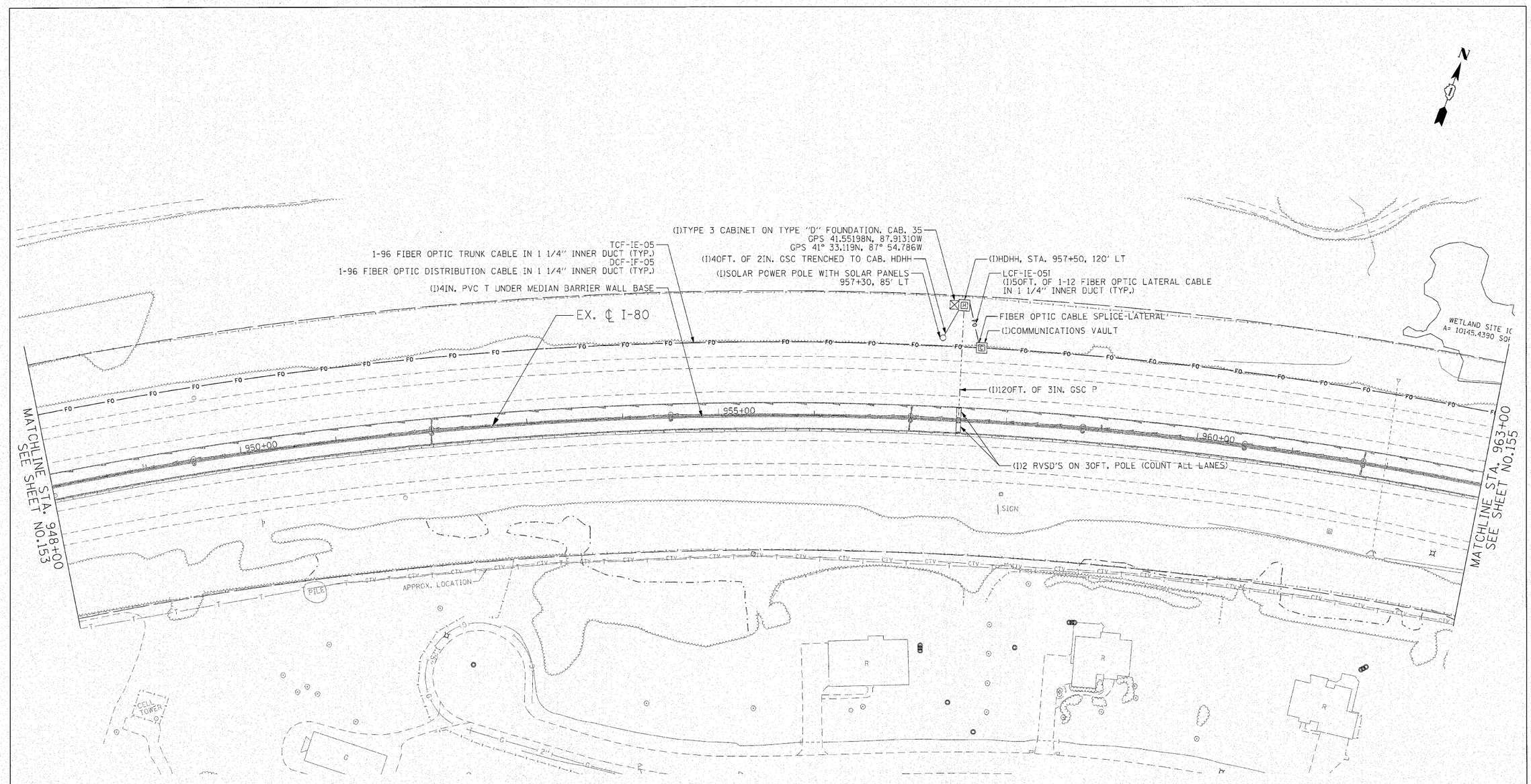
Ciorba Group, Inc. CONSULTING ENGINEERS 9007 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel: 773.772.4009 Fax:773.775.4014 Email chicago@ciorba.com		DRAWN - RJR	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JMV	REVISED -
	PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
I.T.S. PLANS

SCALE: 1" = 50' | SHEET NO.153 OF 309 SHEETS | STA. 933+00 TO STA. 948+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	153
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			



ENGINEERING CONSULTANT	USER NAME = jkjellman	DESIGNED - JG & RT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. 80 FROM NS RAILROAD TO US 45 I.T.S. PLANS 1/2 MILE EAST OF MAPLE ROAD
Ciorba Group, Inc. CONSULTING ENGINEERS 6307 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel. 773.775.4000 Fax 773.775.4014 Email chicago@ciorba.com		DRAWN - RJR	REVISED -		
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JMV	REVISED -		SCALE: 1" = 50' | SHEET NO.154 OF 309 SHEETS | STA. 948+00 TO STA. 963+00
	PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	154
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

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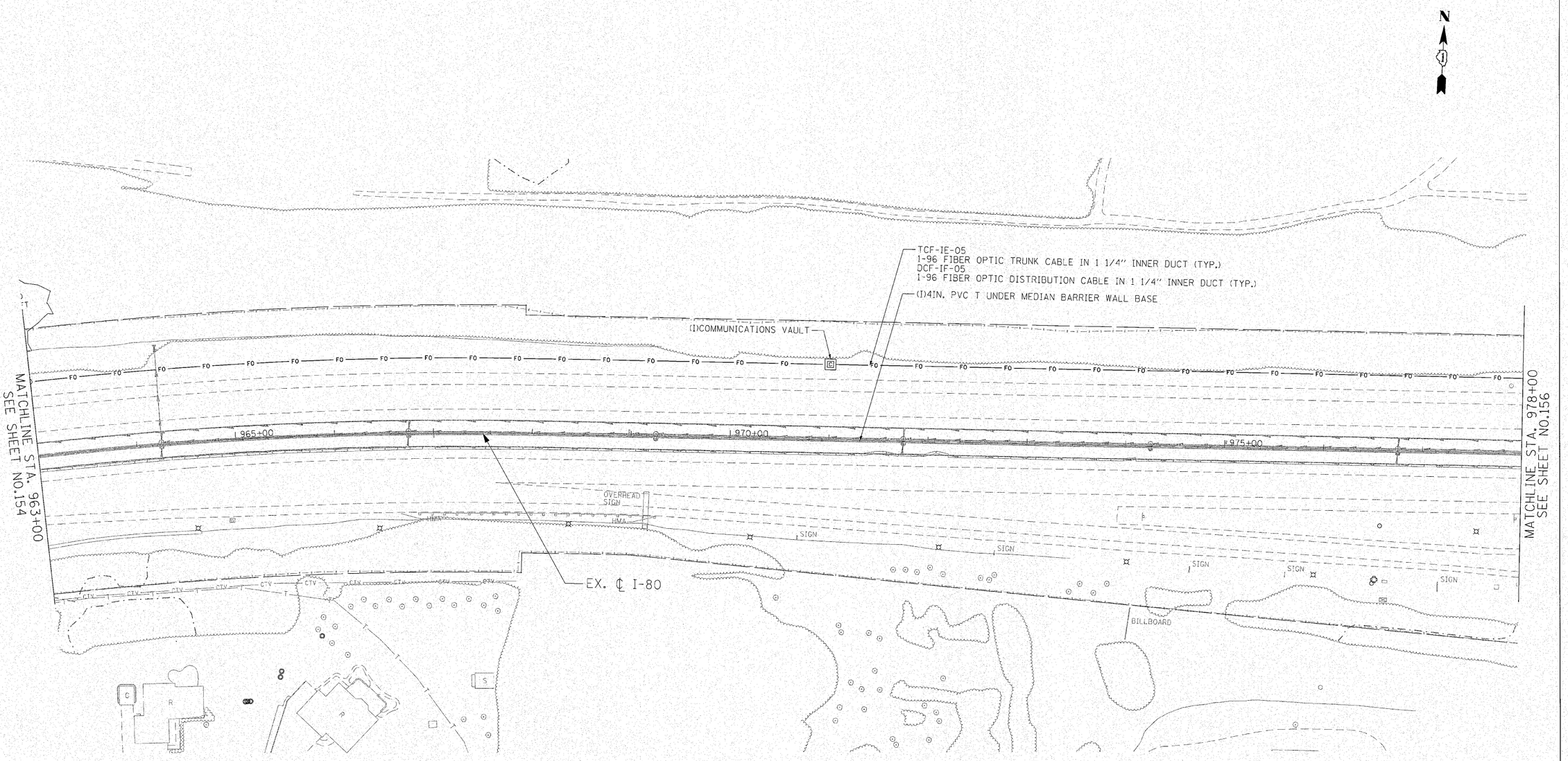

ENGINEERING CONSULTANT
Ciorba Group, Inc.
CONSULTING ENGINEERS
5537 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel 773.775.4008 Fax 773.775.4014
Email chicago@ciorba.com

USER NAME = jkjellman	DESIGNED - JG & RT	REVISED -	
	DRAWN - RJR	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - JMV	REVISED -	
PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
I.T.S. PLANS

SCALE: 1" = 50' | SHEET NO.155 OF 309 SHEETS | STA. 963+00 TO STA. 978+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	155
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

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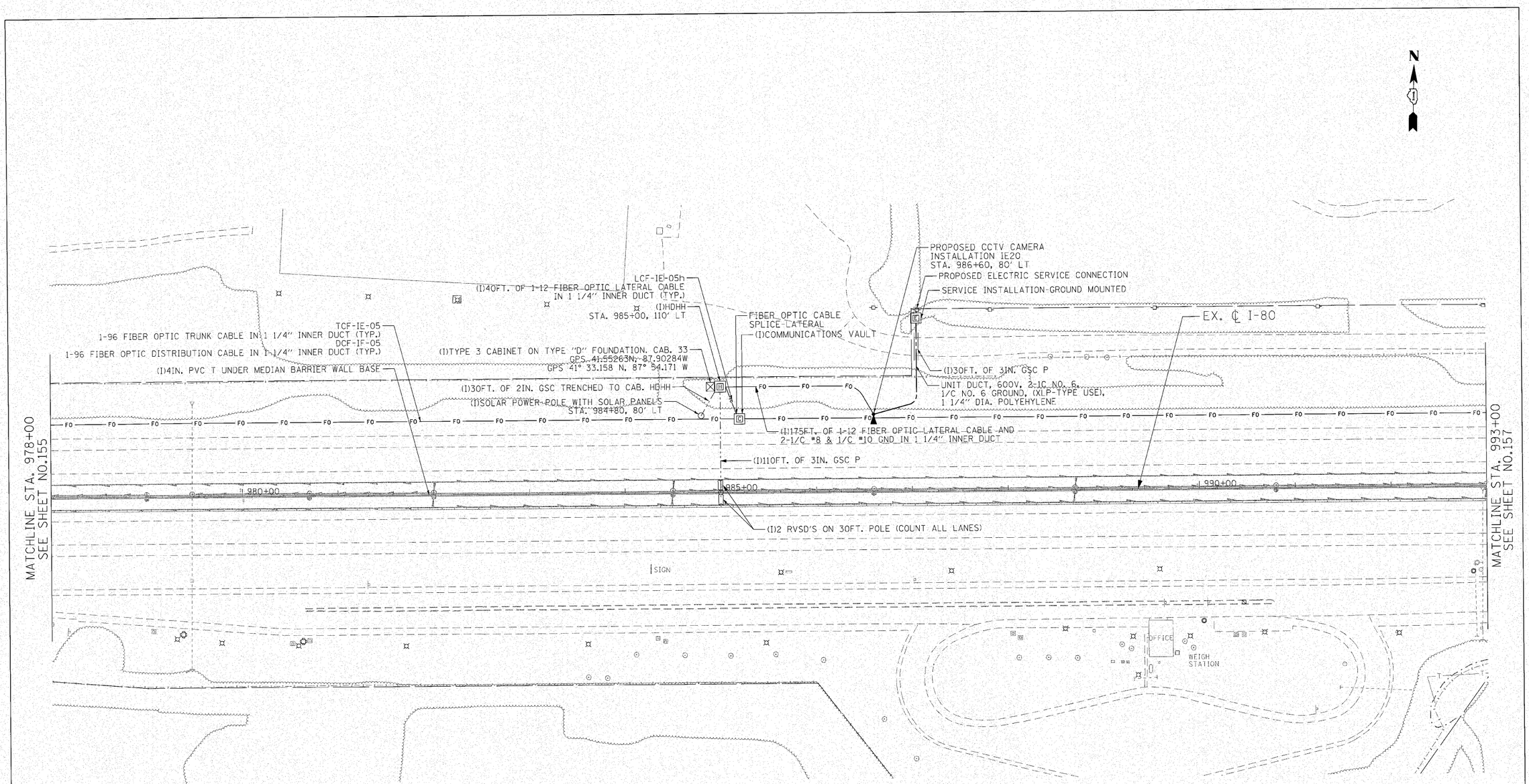

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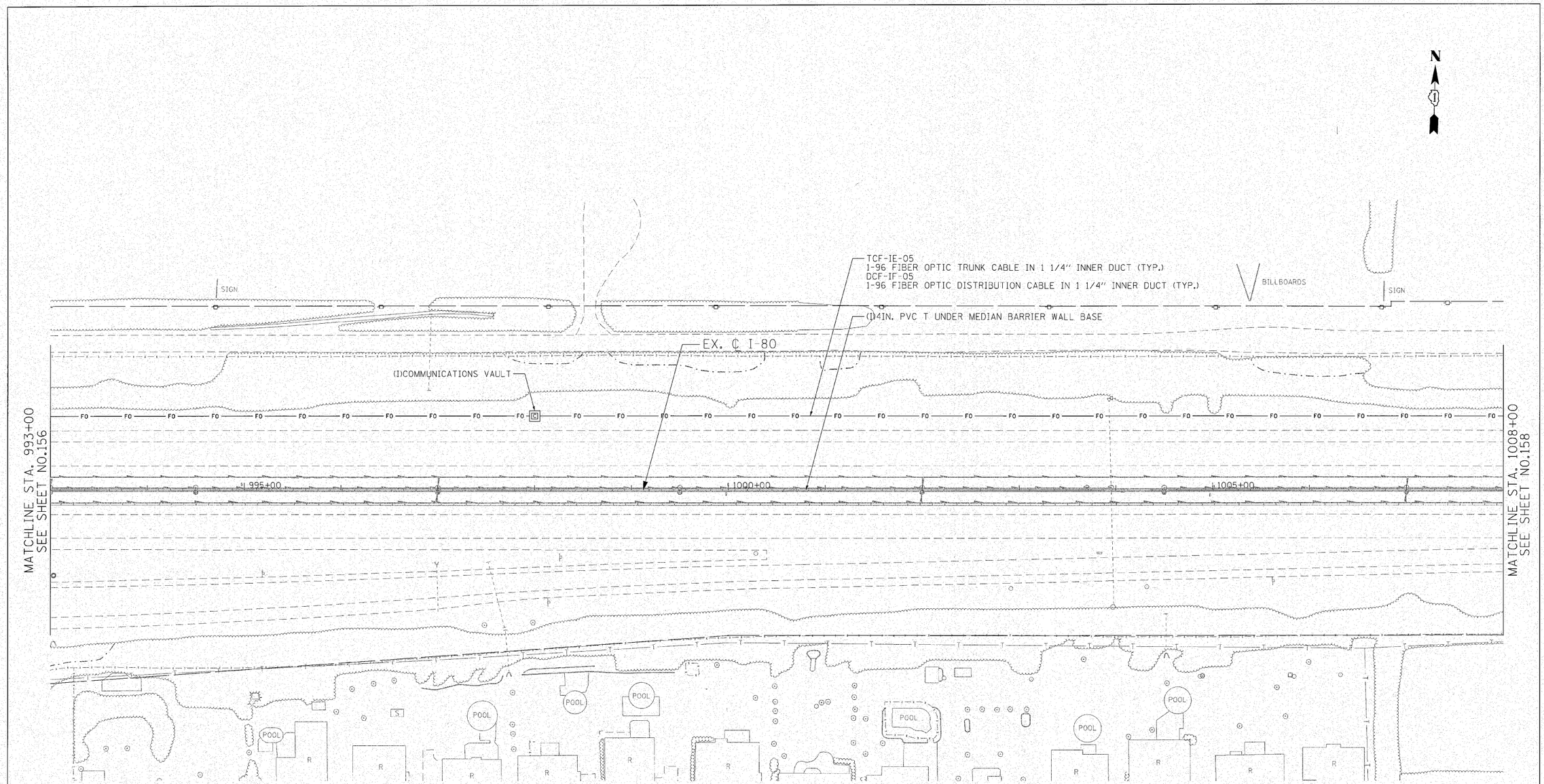
ENGINEERING CONSULTANT					
Clorba Group, Inc. CONSULTING ENGINEERS 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel. 773.775.4009 Fax 773.775.4014 Email chicago@clorba.com	USER NAME = jkjallman	DESIGNED - JG & RT	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**	**F.A.I. 80 FROM NS RAILROAD TO US 45** **I.T.S. PLANS** **1/2 MILE WEST OF WOLF ROAD**
		DRAWN - RJR	REVISED -		
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JMV	REVISED -		
	PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -		SCALE: 1" = 50' | SHEET NO.156 OF 309 SHEETS | STA. 978+00 TO STA. 993+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	156
		CONTRACT NO. 60M59		
	ILLINOIS	FED. AID PROJECT		



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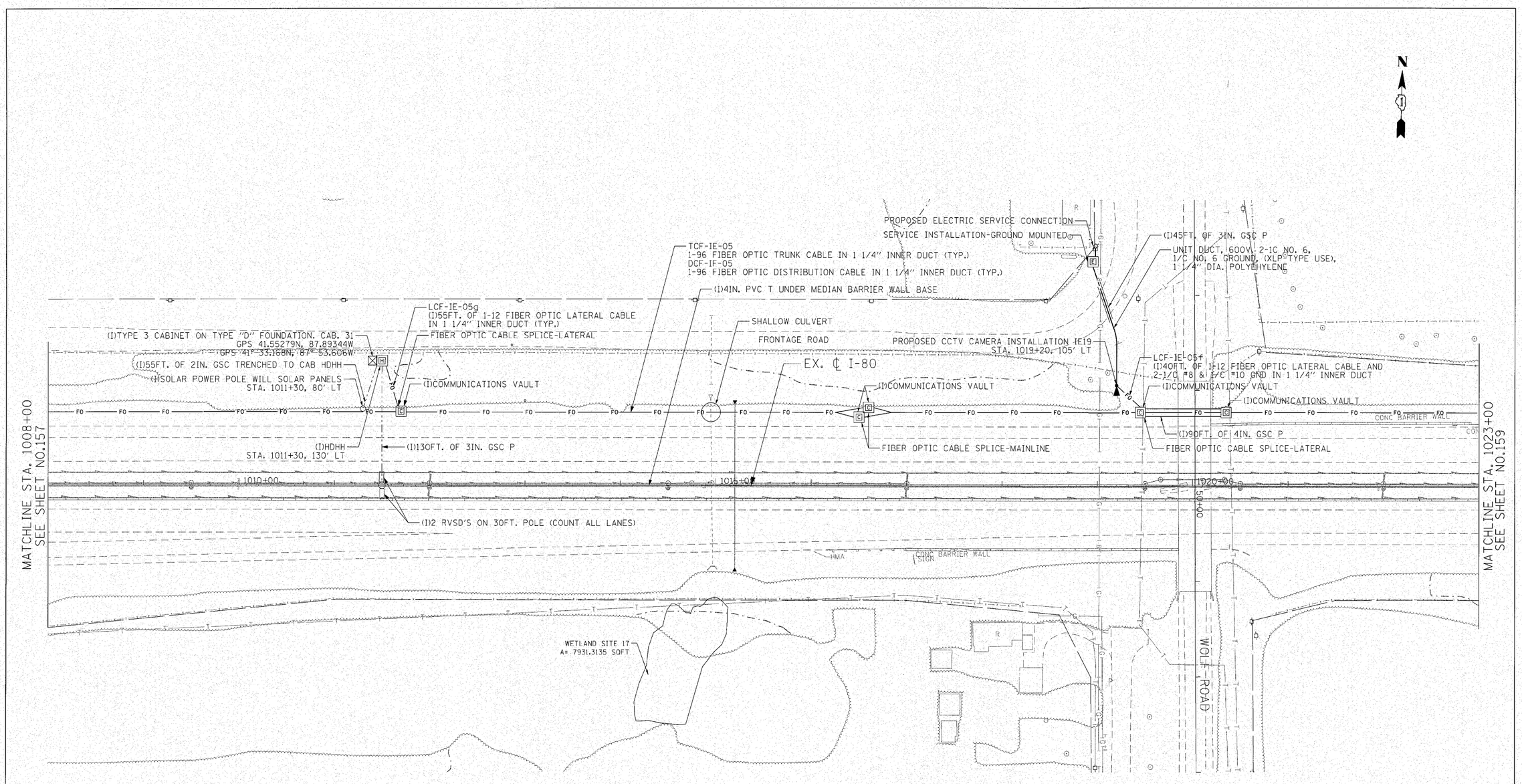
ENGINEERING CONSULTANT	USER NAME = jkjellman	DESIGNED - JG & RT	REVISED -
Corba Group, Inc. CONSULTING ENGINEERS 5827 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel: 773.775.4009 Fax 773.775.4014 Email chicago@corba.com		DRAWN - RJR	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JMV	REVISED -
	PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
I.T.S. PLANS

SCALE: 1" = 50' | SHEET NO.157 OF 309 SHEETS | STA. 993+00 TO STA. 1008+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	157
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			



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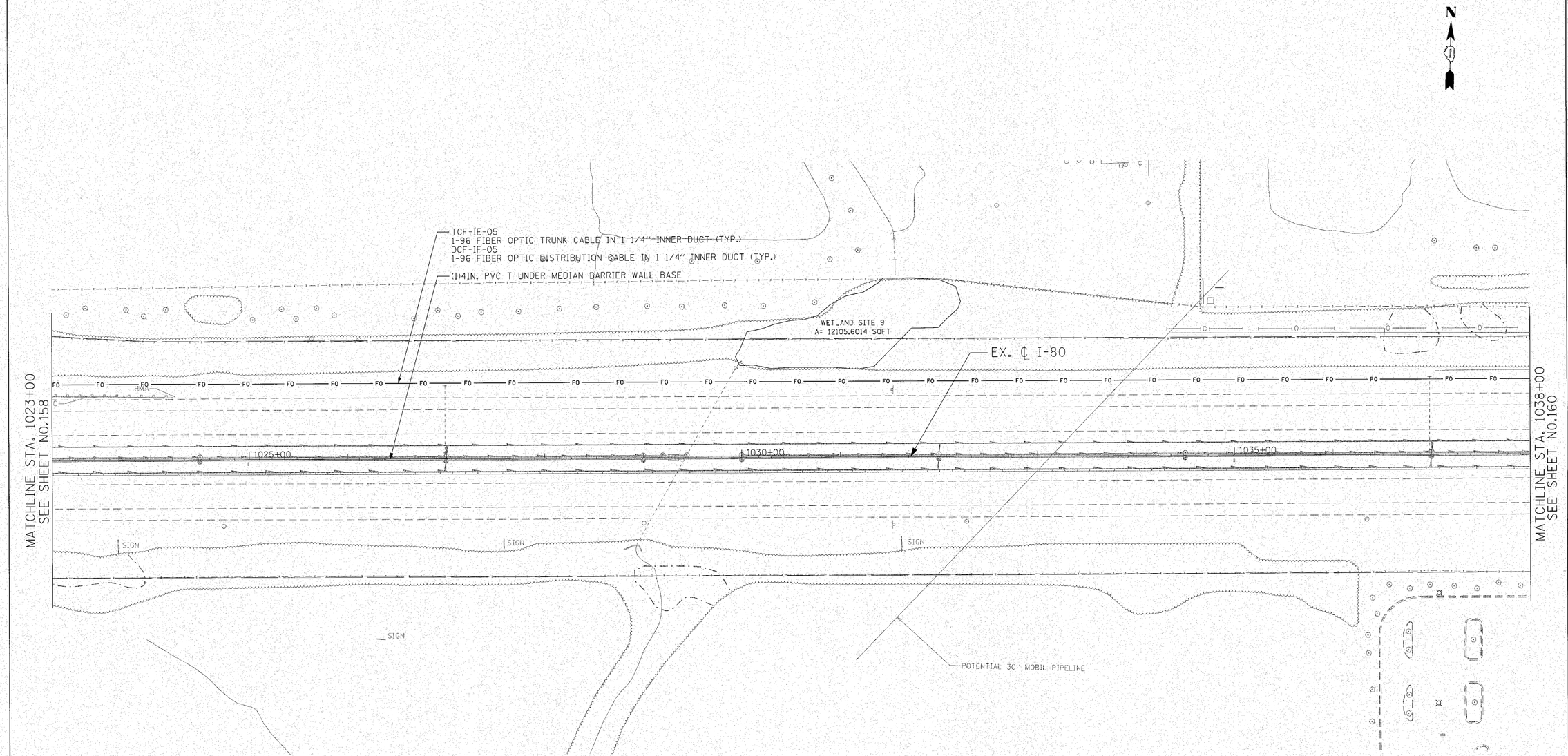
ENGINEERING CONSULTANT	USER NAME = JkJellmen	DESIGNED - JG & RT	REVISED -
Clarke Group, Inc. CONSULTING ENGINEERS 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel.: 773.775.4300 Fax: 773.775.4014 Email: chicago@clarke.com		DRAWN - RJR	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JMV	REVISED -
	PLOT DATE = 12/28/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
I.T.S. PLANS
WOLF ROAD

SCALE: 1" = 50' | SHEET NO.158 OF 309 SHEETS | STA. 1008+00 TO STA. 1023+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	158
		CONTRACT NO. 60M59		
	ILLINOIS	FED. AID PROJECT		



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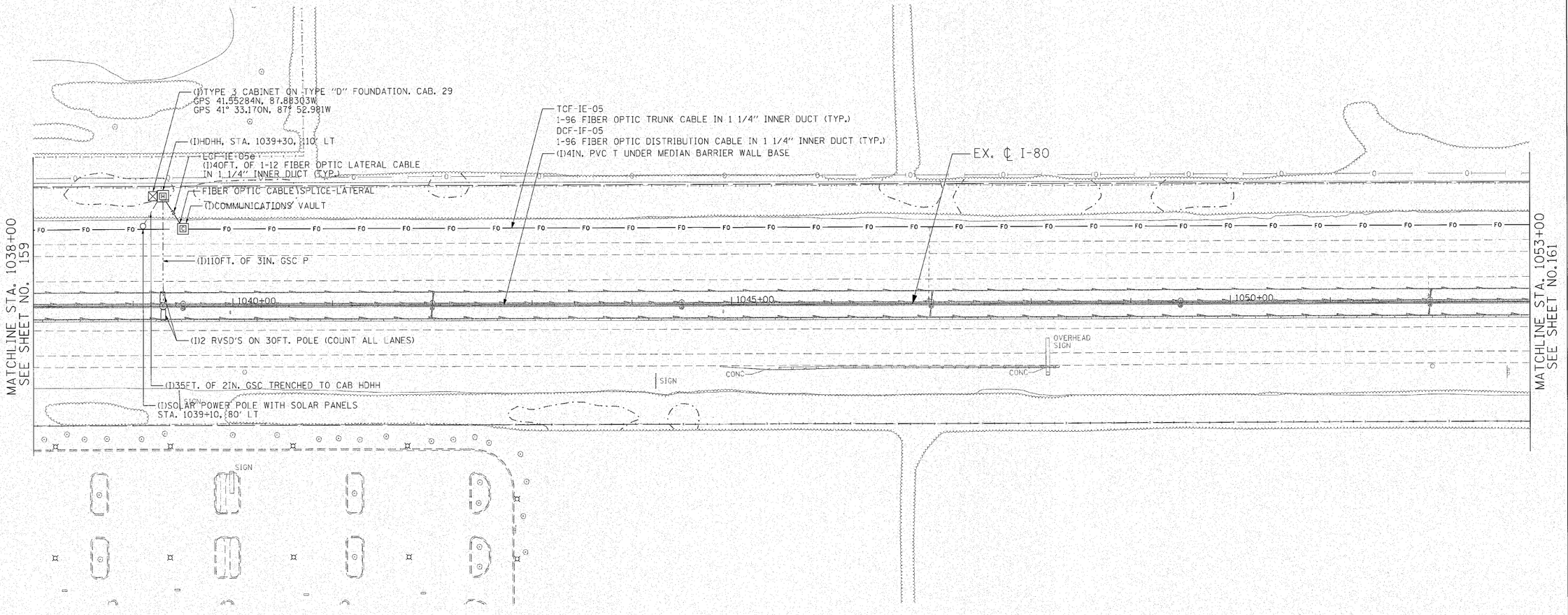
ENGINEERING CONSULTANT	USER NAME = jkjellman	DESIGNED - JG & RT	REVISED -
Ciorba Group, Inc. CONSULTING ENGINEERS 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel: 773.775.4009 Fax 773.775.4014 Email chicago@ciorba.com		DRAWN - RJR	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JMV	REVISED -
	PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
I.T.S. PLANS

SCALE: 1" = 50' | SHEET NO.159 OF 309 SHEETS | STA. 1023+00 TO STA. 1038+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	159
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			



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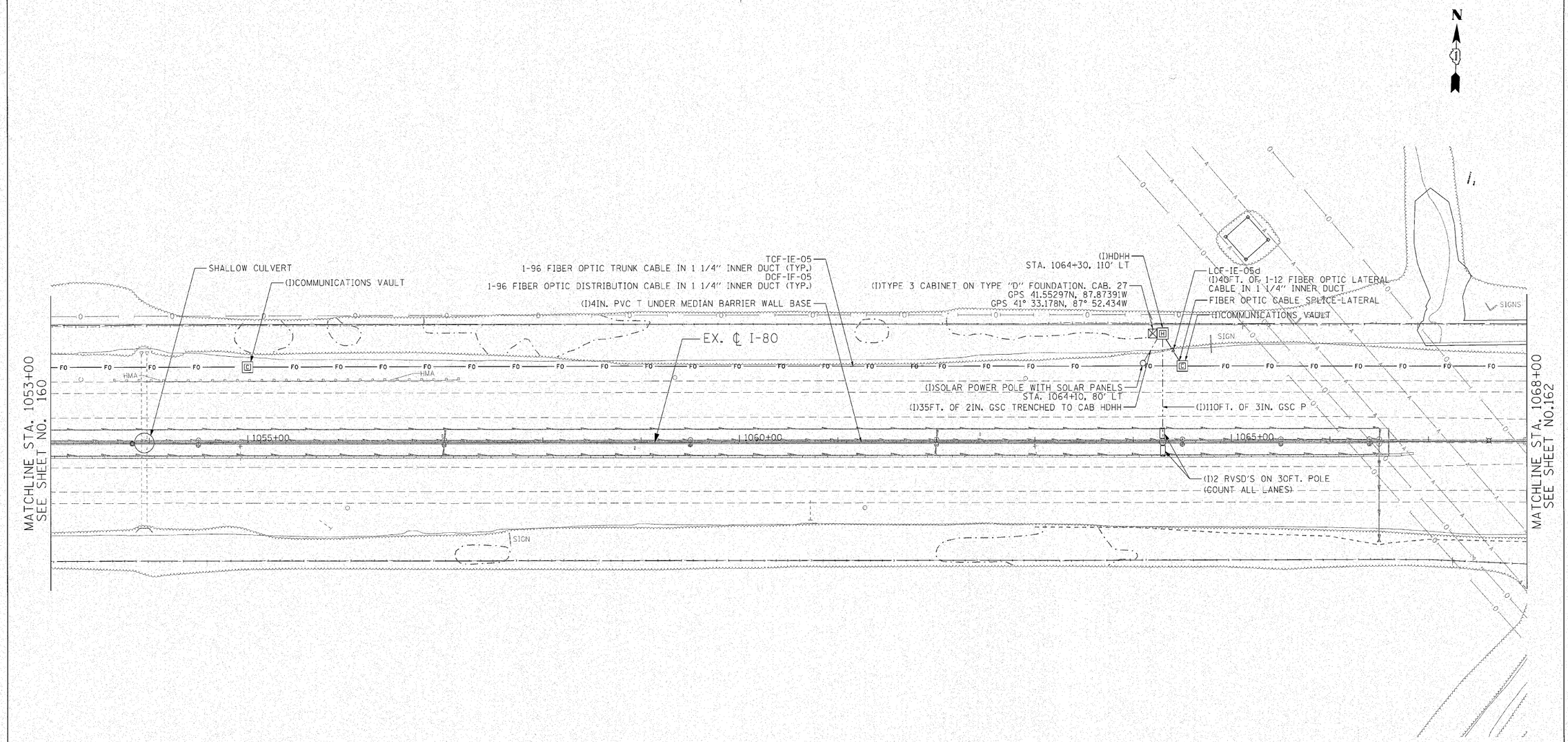
ENGINEERING CONSULTANT	USER NAME = jkjellman	DESIGNED - JG & RT	REVISED -
Ciorba Group, Inc. CONSULTING ENGINEERS 5537 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel: 773.775.4026 Fax:773.775.4014 Email: chicago@ciorba.com		DRAWN - RJR	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JMV	REVISED -
	PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
I.T.S. PLANS
1/2 MILE EAST OF WOLF ROAD

SCALE: 1" = 50' | SHEET NO.160 OF 309 SHEETS | STA. 1038+00 TO STA. 1053+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	160
		CONTRACT NO. 60M59		
	ILLINOIS	FED. AID PROJECT		



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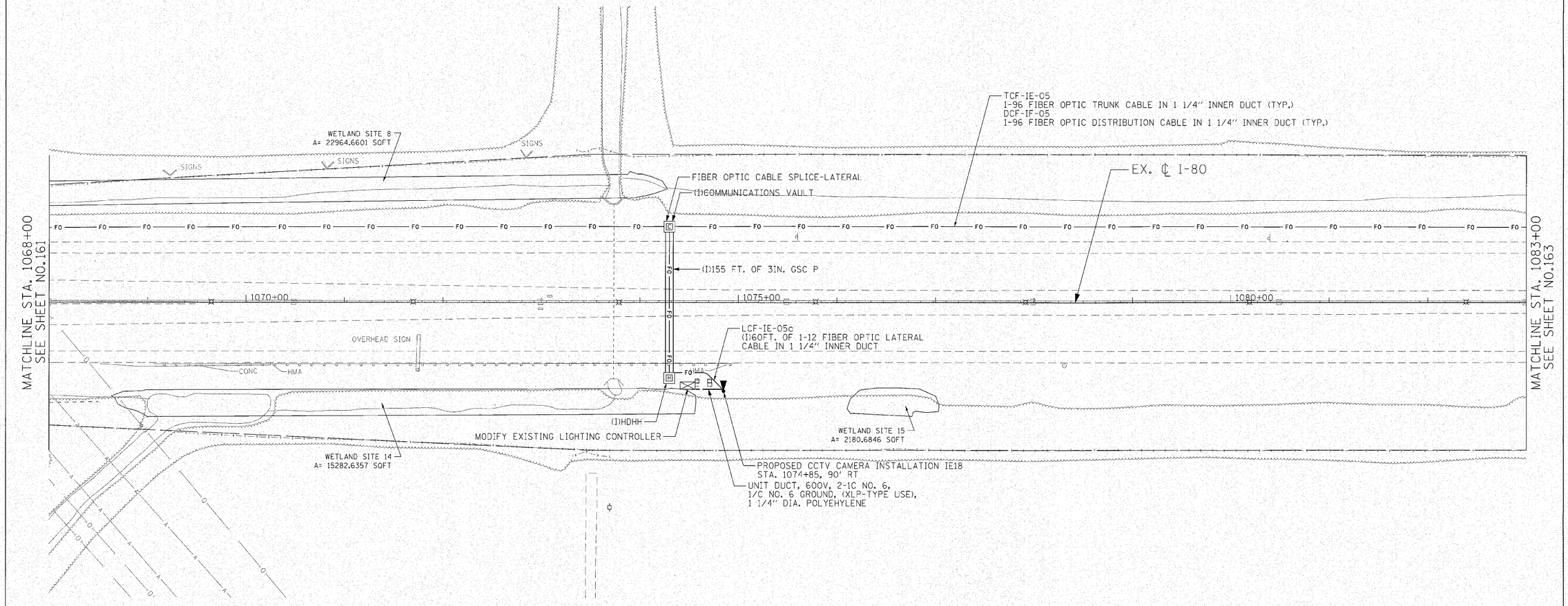
ENGINEERING CONSULTANT	USER NAME = jkjellman	DESIGNED - JG & RT	REVISED -	**STATE OF ILLINOIS**
Clorba Group, Inc. CONSULTING ENGINEERS 5007 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel: 773.775.4066 Fax 773.775.4014 E-mail chicago@clorba.com		DRAWN - RJR	REVISED -	**DEPARTMENT OF TRANSPORTATION**
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JMV	REVISED -	
	PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -	

F.A.I. 80 FROM NS RAILROAD TO US 45
I.T.S. PLANS
1 MILE WEST OF LA GRANGE ROAD

SCALE: 1" = 50' | SHEET NO.161 OF 309 SHEETS | STA. 1053+00 TO STA. 1068+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	161
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			



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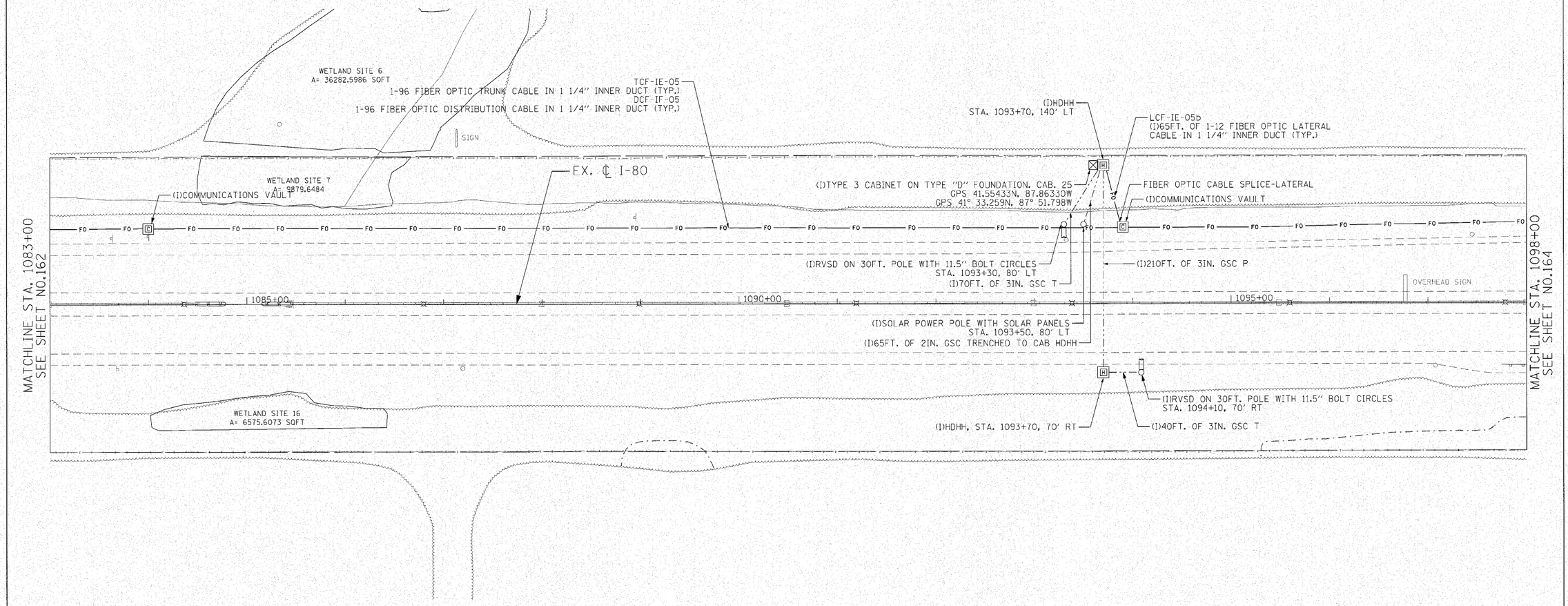
ENGINEERING CONSULTANT	USER NAME = jkjellman	DESIGNED - JG & RT	REVISED -
Clorba Group, Inc. CONSULTING ENGINEERS 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel: 773.775.4060 Fax 773.775.4014 Email chicago@clorba.com		DRAWN - RJR	REVISED -
	PLOT SCALE = 50.0020 ' / IN.	CHECKED - JMV	REVISED -
	PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
I.T.S. PLANS

SCALE: 1" = 50' | SHEET NO.162 OF 309 SHEETS | STA. 1068+00 TO STA. 1083+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	162
		CONTRACT NO. 60M59		
		ILLINOIS	FED. AID PROJECT	



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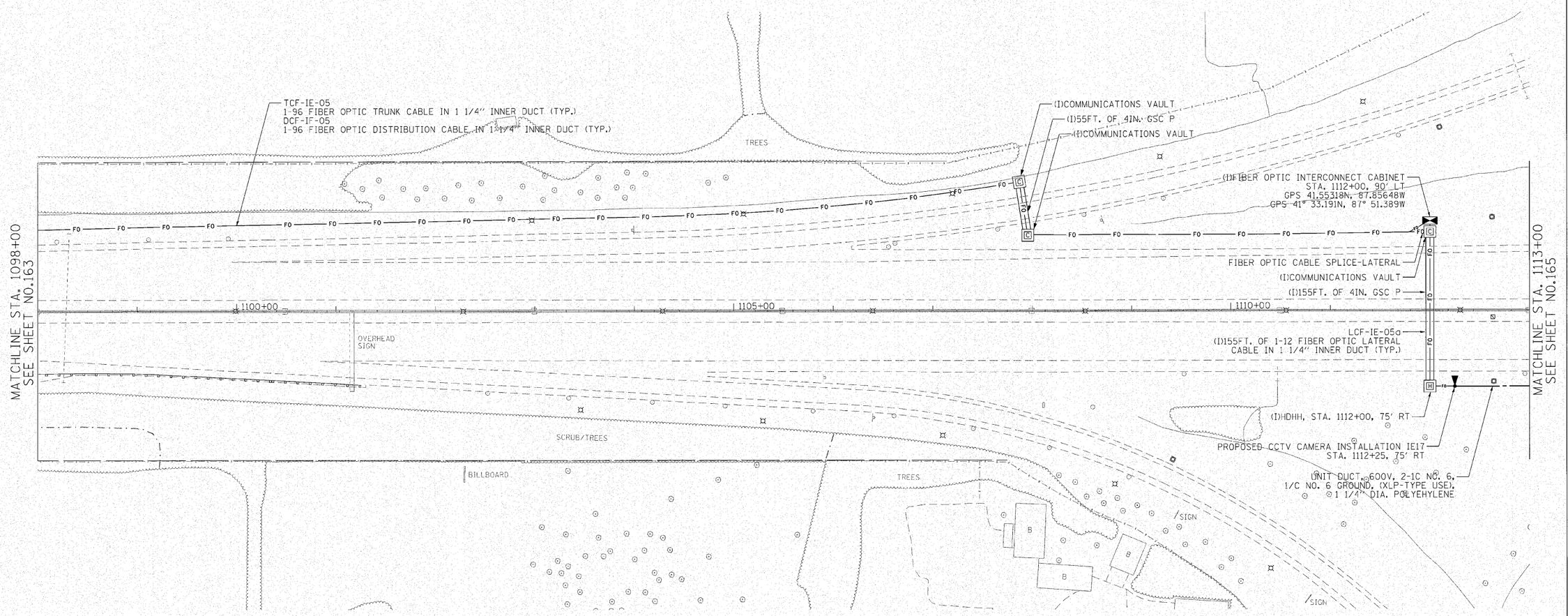
ENGINEERING CONSULTANT	USER NAME = jkjellman	DESIGNED - JG & RT	REVISED -
Ciorba Group, Inc. CONSULTING ENGINEERS 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel 773.775.4308 Fax 773.775.4014 Email chicago@ciorba.com		DRAWN - RJR	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JMV	REVISED -
	PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
I.T.S. PLANS
1/2 MILE WEST OF LA GRANGE ROAD

SCALE: 1" = 50' | SHEET NO.163 OF 309 SHEETS | STA. 1083+00 TO STA. 1098+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	163
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			



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ENGINEERING CONSULTANT

Ciorba Group, Inc.
CONSULTING ENGINEERS
5607 North Cumberland Avenue, Suite 402
Chicago, IL 60656
Phone: 773.775.0011 Fax: 773.775.4014
Email chicago@ciorba.com

USER NAME = jkjellman	DESIGNED - JG & RT	REVISED -
	DRAWN - RJR	REVISED -
PLOT SCALE = 50.0000 ' / IN.	CHECKED - JMV	REVISED -
PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
I.T.S. PLANS

SCALE: 1" = 50' | SHEET NO.164 OF 309 SHEETS | STA. 1098+00 TO STA. 1113+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	164
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

MATCHLINE STA. 1113+00
SEE SHEET NO.164

1115+00

1120+00

1125+00

OVERHEAD SIGN

ROUTE 45
LA GRANGE RD

OVERHEAD SIGN

(I)40FT. OF 2 1/2IN. GSC P

UNIT DUCT, 600V, 2-1C NO. 6,
1/C NO. 6 GROUND, (XLP-TYPE USE),
1 1/4" DIA. POLYEHYLENE

(I)40FT. OF 2 1/2IN. GSC P

(I)95FT. OF 2 1/2IN. GSC P

TCB

MODIFY EXISTING LIGHTING CONTROLLER "F"

I-80 STA. 1122+00
PROJECT ENDS

N

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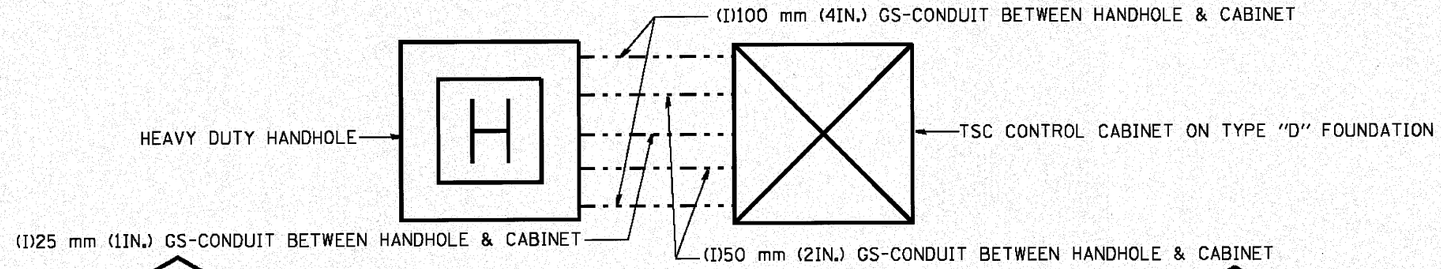
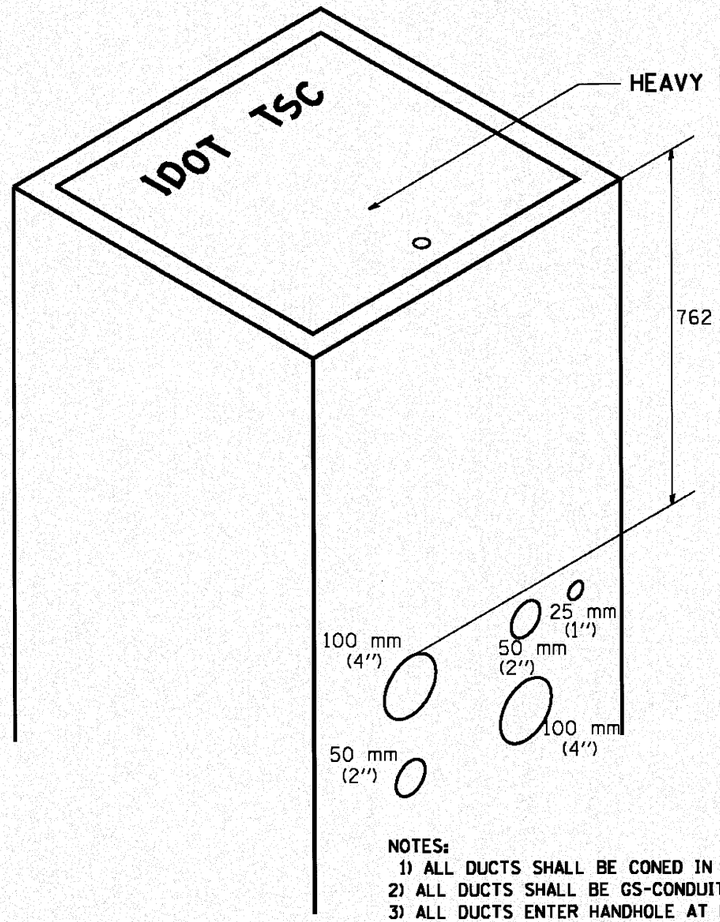
ENGINEERING CONSULTANT					
Corba Group, Inc. CONSULTING ENGINEERS 6507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60631 Tel. (773) 775-0009 Fax 773.775.4014 Email chicago@corba.com	USER NAME = jkjellman	DESIGNED - JG & RT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. 80 FROM NS RAILROAD TO US 45 I.T.S. PLANS
		DRAWN - RJR	REVISED -		
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - JMV	REVISED -		SCALE: 1" = 50' | SHEET NO.165 OF 309 SHEETS | STA. 1113+00 TO STA. 1128+00
	PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -		

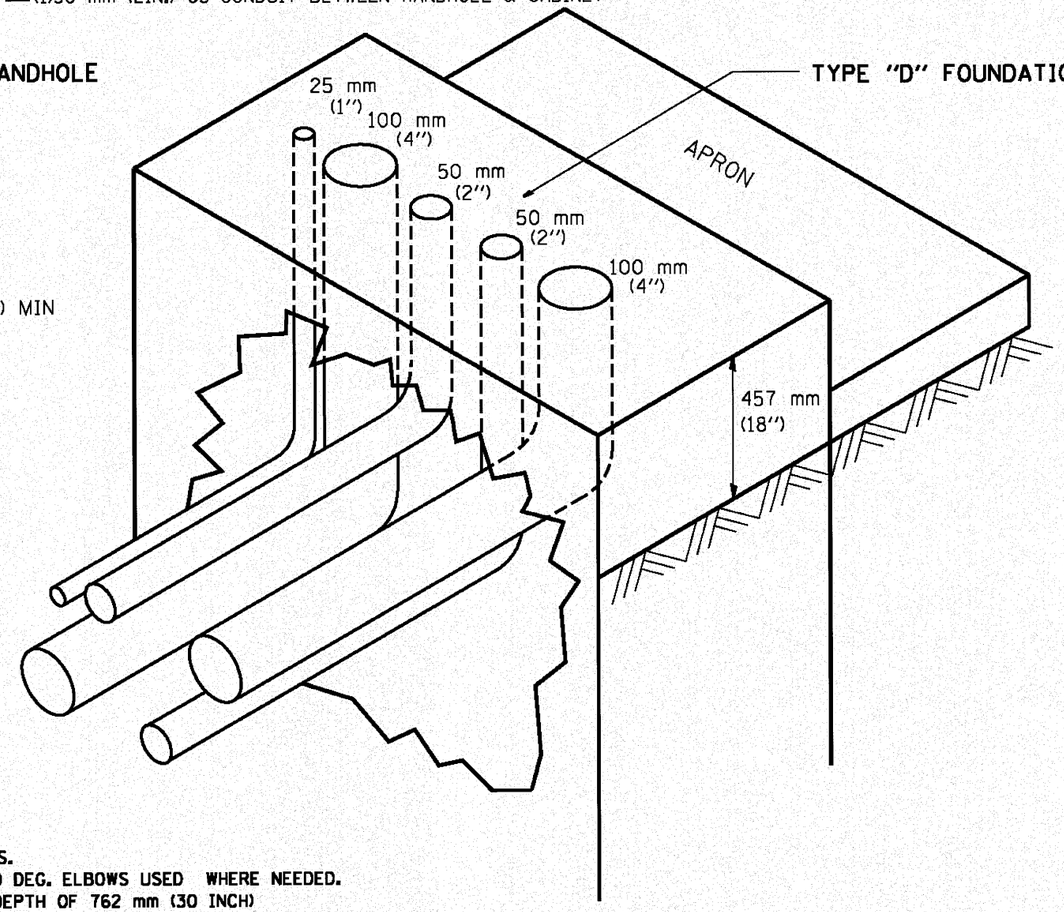
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	165
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	305	166
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

60M59







NOTES:
1) ALL DUCTS SHALL BE CONED IN HANDHOLES.
2) ALL DUCTS SHALL BE GS-CONDUIT & GS 90 DEG. ELBOWS USED WHERE NEEDED.
3) ALL DUCTS ENTER HANDHOLE AT MINIMUM DEPTH OF 762 mm (30 INCH)
4) ALL HANDHOLE COVERS SHALL READ "IDOT TSC".
5) ALL CABINET HANDHOLES SHALL BE HEAVY DUTY.
6) DUCTS SHALL BE CENTERED IN CABINET FOUNDATION/HANDHOLE AS SHOWN.
7) CONDUITS SHALL BE SPACED 305 mm (1 FOOT) CENTER TO CENTER IN HEAVY DUTY HANDHOLE.
8) INSTALL 20 mm X 3 m (3/4" X 10') COPPER CLAD STEEL GROUND ROD IN HDHH PROVIDED AS CABINET PAD. EXOTHERMIC WELD CONNECTION FROM GROUND ROD TO #6 GROUND WIRE INSULATED (GREEN).
9) BOND ALL GSC CONDUITS IN CABINET FOUNDATION.
10) INSTALL #6 GROUND WIRE IN 25 mm (1") GSC FROM HANDHOLE TO CABINET.
11) TYPE "D" FOUNDATION SHALL BE 18" FROM TOP OF FOUNDATION TO FINISHED GRADE.

REVISIONS	
NAME	DATE
T.C.	9/96
R.L.	3/99
R.L.	4/99

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

CABINET - HANDHOLE CONDUIT DETAIL

SCALE: VERT. NONE HORIZ. | DRAWN BY G.N.
DATE 6-5-95 | CHECKED BY R.L.

ENGINEERING CONSULTANT
Clarke Group, Inc.
CONSULTING ENGINEERS
6027 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4008 Fax. 773.775.4014

RD=TYPNET.DGN
RF=
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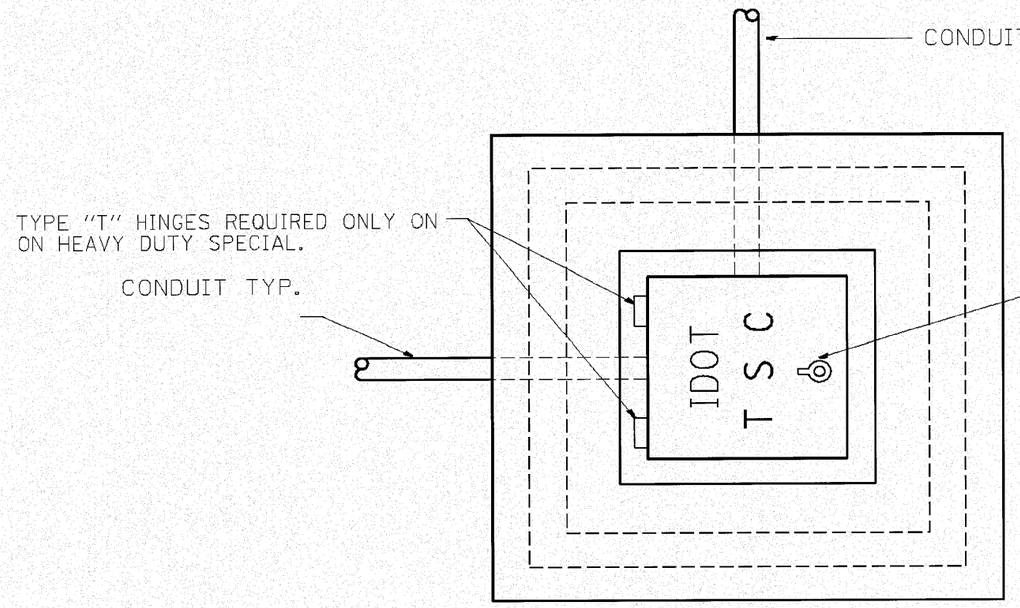
VI=40011

TRAFFIC SYSTEMS CENTER (TY-1TSC-400#11)

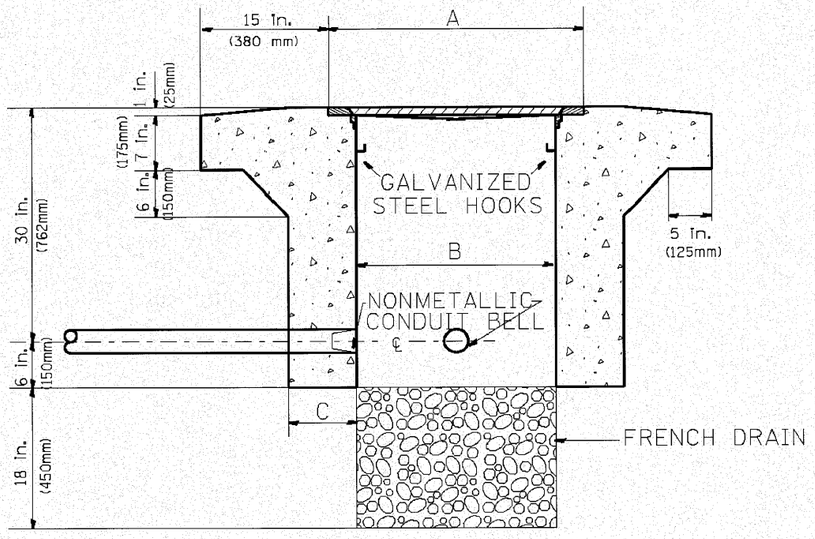


PLAN

HEAVY DUTY HANDHOLE MINIMUM DIMENSIONS (UNHINGED)

A	28" (711 mm)
B	22" (559 mm)
C	8" (200 mm)

(FRAME AND COVER 260 LBS. (118 Kg.) MIN.)



ELEVATION

HEAVY DUTY HANDHOLE SPECIAL MINIMUM DIMENSIONS

A	31.5" (800 mm)
B	30" (762 mm)
C	10" (250 mm)

(FRAME AND COVER 405 LBS. (184 Kg. (405))

PC CONCRETE - HEAVY DUTY HAND HOLE

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ENGINEERING CONSULTANT
Clorba Group, Inc.
CONSULTING ENGINEERS
307 North Cumberland Avenue, Suite 403
Chicago, Illinois 60656
Tel. 773.775.4006 Fax 773.775.4014
Email Address @ Clorba.com

USER NAME = mazag	DESIGNED - A.L.	REVISED - 04/97
	DRAWN - G.M.	REVISED -
PLOT SCALE = 100.0000 ' / IN.	CHECKED - A.L.	REVISED -
PLOT DATE = 8/27/2010	DATE - 09/11/96	REVISED -

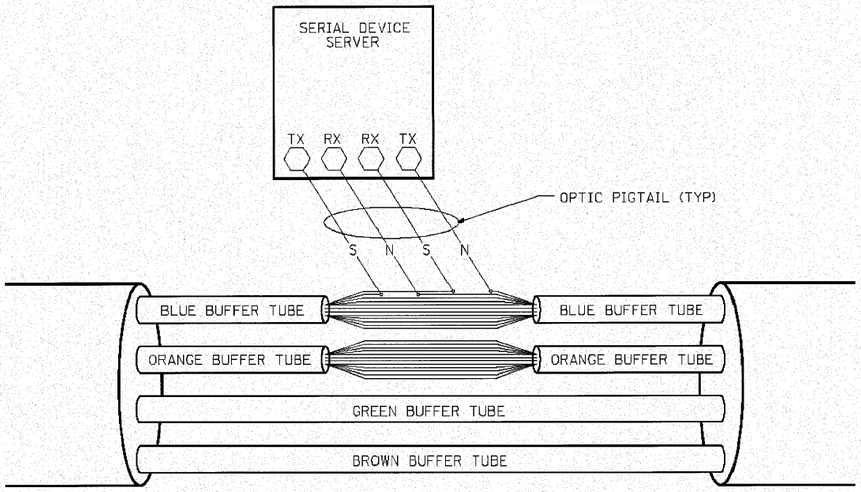
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

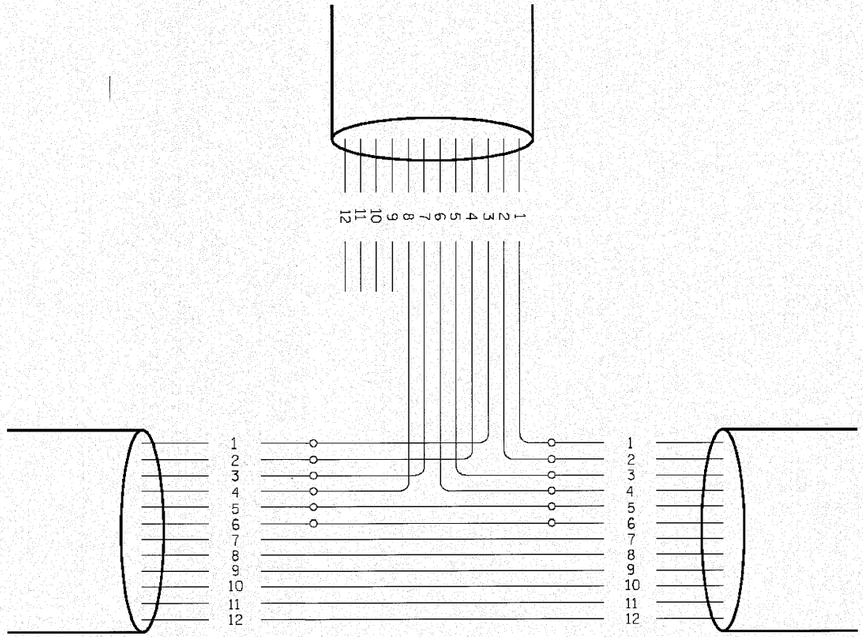
PC CONCRETE - HEAVY DUTY HAND HOLE

SCALE: NONE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	167
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SYSTEMS CENTER (TY-1TSC-400#15)





PHYSICAL SPLICE DETAILS (TYP)

(NOT TO SCALE)

FIBERS		FUNCTION	APPLICATION DESCRIPTION
FIBER NO.	COLOR CODE		
1	BLUE	IN TX	DATA CIRCUIT
2	ORANGE	IN RX	
3	GREEN	OUT RX	
4	BROWN	OUT TX	
5	SLATE	IN TX	DMS
6	WHITE	IN RX	
7	RED	OUT RX	
8	BLACK	OUT TX	
9	YELLOW	IN TX	CCTV
10	VIOLET	IN TX	
11	ROSE	OUT RX	
12	AQUA	OUT TX	

NOTE:

1.- THIS DIAGRAM IS PROVIDED FOR ILLUSTRATION PURPOSES ONLY AND DEPICTS A TYPICAL FIBER OPTIC SPLICE.

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PLOT DATE = 8/27/2010	DATE - 12/29/09	REVISED -	

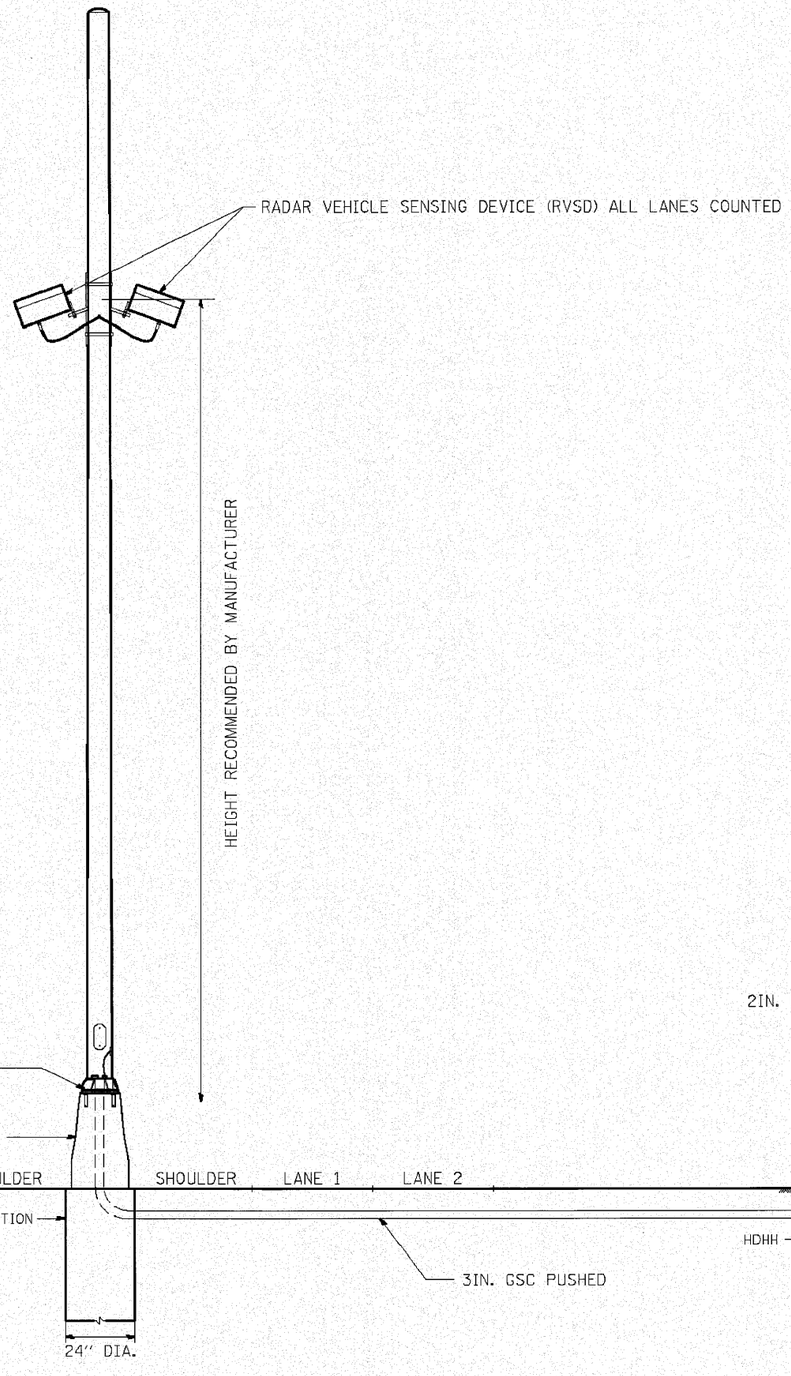
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

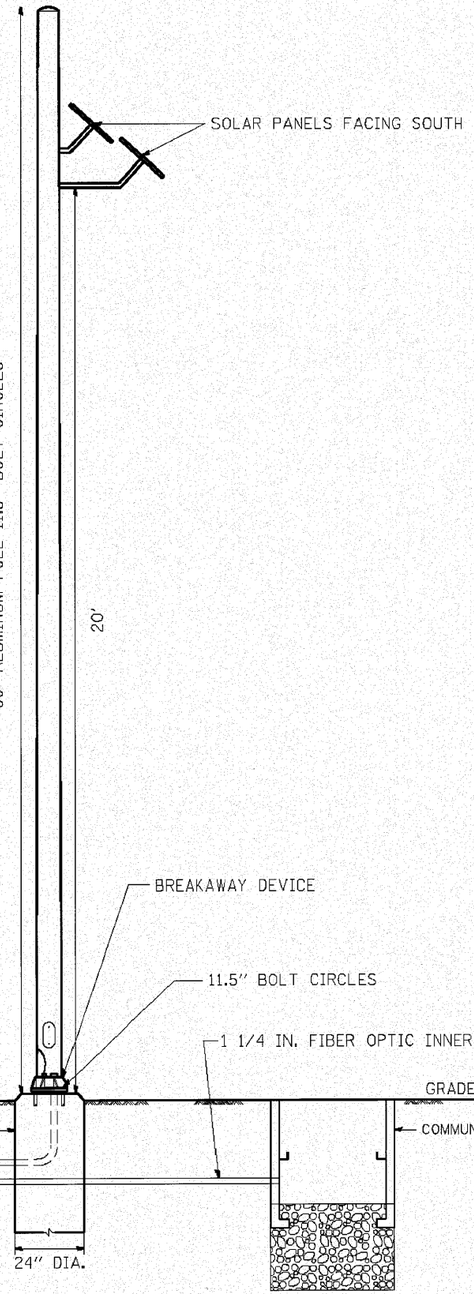
FIBER OPTIC SPLICING TYPICAL

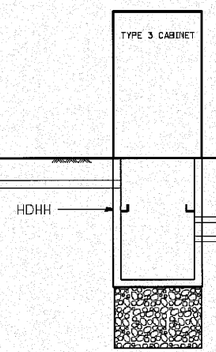
SCALE: NONE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	168
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SYSTEMS CENTER 4TY-1TSC-400*41)







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	DRAWN - C.M.		REVISED -
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PLOT DATE = 10/15/2010	DATE - 08-25-2010		REVISED -

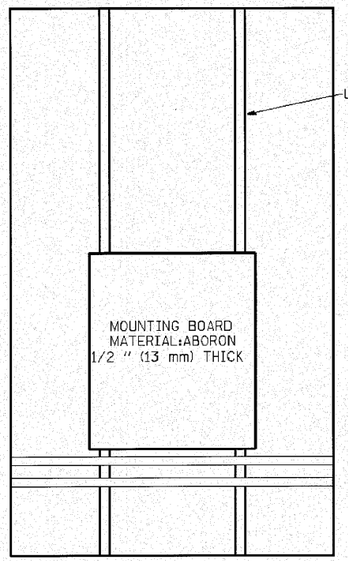
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

RVSD ROAD WAY LAYOUT

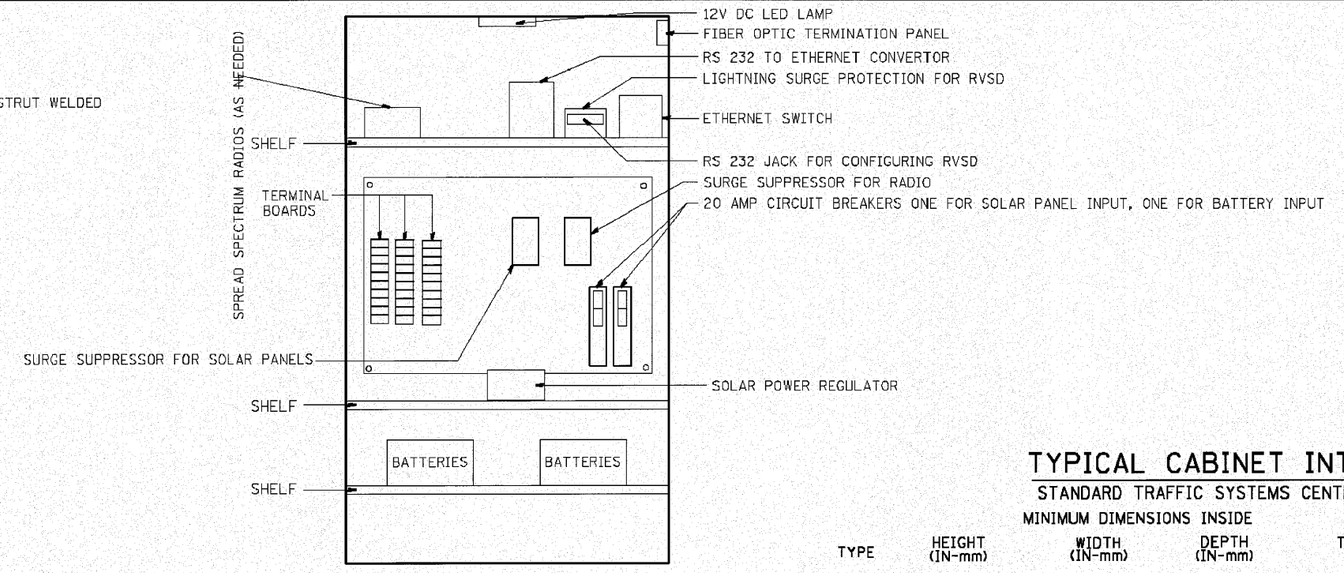
SCALE: NONE | SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	169
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

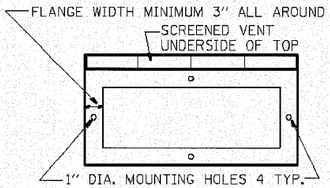
TRAFFIC SYSTEMS CENTER (TY-1TSC-400#55)



SIDE VIEW ESP 3 & 4 CABINET



ESP 3 CABINET



BOTTOM VIEW
MOUNTING PATTERN

TYPICAL CABINET INTERIORS

STANDARD TRAFFIC SYSTEMS CENTER CABINETS

MINIMUM DIMENSIONS INSIDE

TYPE	HEIGHT (IN-mm)	WIDTH (IN-mm)	DEPTH (IN-mm)	THICKNESS (IN-mm)	MATERIAL
ESP1	22.5" (571.5 mm)	14.25" (361.95mm)	9.75" (247.65mm)	3/16 " (4.76mm)	FABRICATED ALUMINUM
ESP2	36" (914.4mm)	20" (508.0mm)	15" (381.0mm)	73/16" (4.76mm)	FABRICATED ALUMINUM
ESP3	49.5" (1.26 m)	30" (762.0mm)	17" (431.8mm)	3/16 " (4.76mm)	FABRICATED ALUMINUM
ESP4	55" (1.4 m)	44" (1.12 m)	26" (660.4mm)	3/16" (4.76mm)	FABRICATED ALUMINUM

NOTES:

1. CABINETS, CABINET POSTS AND CABINET PEDESTALS SHALL BE PRIMED AND PAINTED IN ACCORDANCE WITH SECTION T637 OF THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS". THE FINAL COAT SHALL BE (X) IN COLOR. THE INTERIOR SHALL BE PAINTED WHITE. SIGNAL POSTS AND HEADS TO BE FEDERAL YELLOW 89-19(MAUTZ).
2. CABINETS SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE PORTIONS OF SECTION T400 OF THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS".
3. INCIDENTAL TO THE COST OF EACH CABINET THE CONTRACTOR SHALL CONSTRUCT A 5 INCH (130mm) PCC SIDEWALK OF A RECTANGULAR AREA 3 FEET (915 mm) BY 4 FEET (1.25 m) IMMEDIATELY ADJACENT TO THE CABINET FOUNDATION ON THE SAME SIDE OF THE FOUNDATION AS THE CABINET DOOR TO PROVIDE FOOTING DURING INSTALLATION AND MAINTENANCE.
4. ANCHOR BOLTS FOR PEDESTAL AND BASE MOUNTED CABINETS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CABINET.
5. ALL CABINETS SHALL HAVE TERMINAL BLOCKS AND SHELVES AS SHOWN. THESE ITEMS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CABINET.
6. THE CABINET DOOR SHALL BE HINGED ON THE RIGHT SIDE WHEN FACING THE CABINET. THE DOOR SHALL BE FURNISHED WITH A GASKET THAT SHALL FORM A WEATHER TIGHT SEAL BETWEEN THE CABINET AND DOOR. THE HINGES SHALL BE CONTINUOUS AND BOLTED TO THE CABINET AND DOOR UTILIZING 1/4-20 STAINLESS STEEL CARRIAGE BOLTS AND NY-LOCK NUTS. THE HINGES WILL BE MADE OF STAINLESS STEEL WITH A 0.25 INCH (6.35 mm) DIAMETER STAINLESS STEEL HINGE PIN. THE HINGE PIN SHALL BE CAPPED TOP AND BOTTOM BY WELD TO RENDER IT TAMPER PROOF.
7. THE LATCHING MECHANISM SHALL BE A 3 POINT DRAW ROLLER TYPE. THE CENTER CATCH AND PUSHRODS SHALL BE EITHER CADMIUM OR ZINC PLATED, TYPE II CLASS I. PUSHRODS WILL BE TURNED EDGEWISE AT THE OUTWARD SUPPORTS AND SHALL BE 0.25 INCH (6.35 mm) BY 0.75 INCH (19.05 mm), MINIMUM. ROLLERS SHALL HAVE A MINIMUM DIAMETER OF 0.875 INCH (22.22 mm) AND WILL BE MADE OF NYLON. THE CENTER CATCH SHALL BE FABRICATED FROM 0.14 INCH (3.55 mm) STEEL, MIMIMUM. WHEN THE DOOR IS CLOSED AND LATCHED, IT WILL BE LOCKED. THE LATCHING HANDLE SHALL HAVE A PROVISION FOR PADLOCKING IN THE CLOSED POSITION. AN OPERATING HANDLE SHALL BE FURNISHED WITH EACH LOCK. THE HANDLE WILL BE STAINLESS STEEL WITH A 0.75 INCH (19.05 mm) DIAMETER SHANK.
8. THE ENCLOSURE SHALL BE EQUIPPED WITH TWO ADJUSTABLE "C" MOUNTING CHANNELS WELDED ON BOTH SIDE WALLS AND BACK WALL OF THE ENCLOSURE, ALLOWING VERSATILE POSITIONING OF SHELVES OR PANELS. MOUNTING CHANNELS SHALL BE FACTORY PAINTED SAME COLOR AS INTERIOR OF CABINET.
9. CABINET DOOR SHALL NOT HAVE COMPARTMENT DOORS OR LOUVERS.
10. ALL FIELD CABINETS SHALL BE FITTED WITH BRASS LOCKS (CORBIN #2).
11. ESP TYPE 3 AND 4 CABINETS FITTED WITH THREE SHELVES AS SHOWN.
12. THE CONTROL CABINET SHALL BE SET PLUMB ON THE FOUNDATION AND FASTENED TO THE ANCHOR BOLTS WITH NUTS AND WASHERS. FLAT WASHERS SHALL BE INSTALLED BELOW AND ABOVE THE BASE PLATE OF THE CONTROL CABINET. LOCKWASHERS SHALL BE INSTALLED ON TOP OF THE TOP FLAT WASHER.

(X)

EDENS	WALNUT *
KENNEDY	BLUE STREAK **
EISENHOWER	CARIBBEAN BLUE *
I-290/IL53/I-355	POST OFFICE BLUE **
RYAN	YELLOW STONE II **
I-55	MEDIUM BRONZE *
I-57	RED BARON **
CAL-KING	BLUE STREAK **
LAKE SHORE DR.	GREEN *
I-80	STATUARY BRONZE **

ALL RAMP METERING CABINETS LIME GREEN ***. ALL POSTS, T.S. HEADS AND SERVICES WILL BE PAINTED FEDERAL YELLOW.

* MORTON POWDER PAINT COLOR OR EQUIVALENT.
** O'BRIEN POWDER PAINT COLOR OR EQUIVALENT.
*** BENJAMIN MOORE ENAMEL COLOR OR EQUIVALENT.

NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR CONFORMING TO COLOR REQUIREMENTS

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PLOT DATE = 10/15/2010	DATE - 08/25/2010	REVISED -	

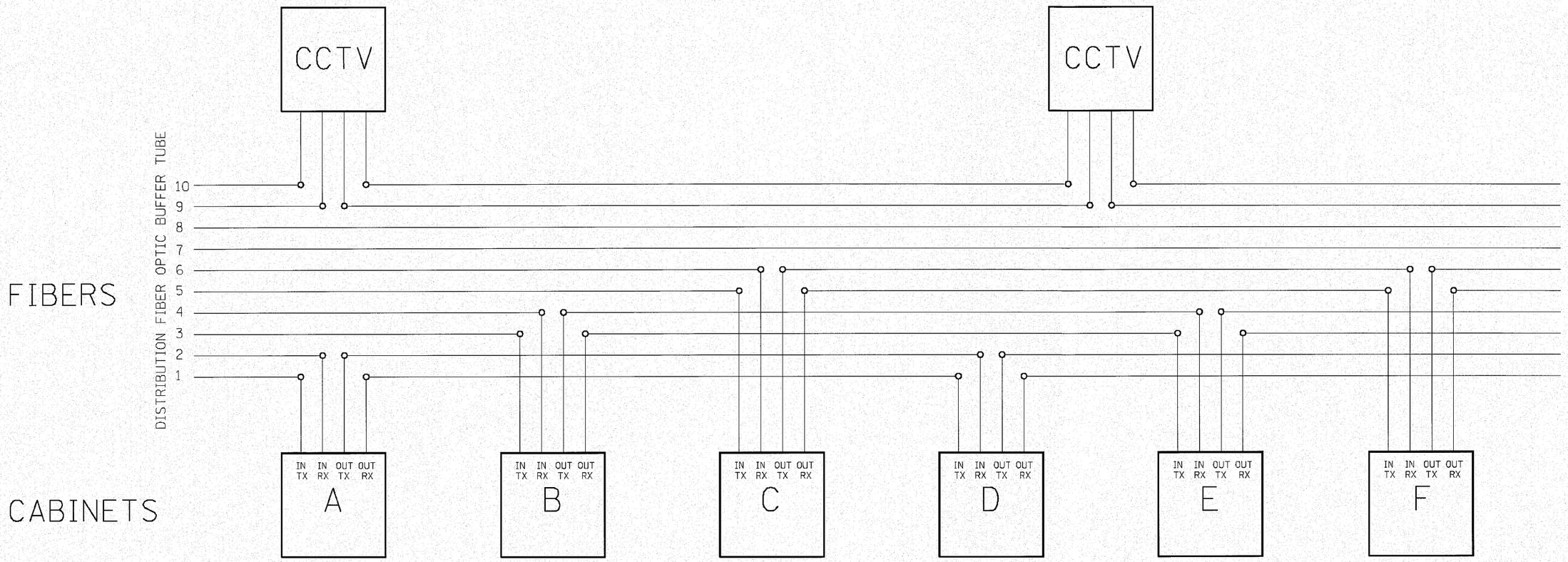
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

SOLAR POWERED RVSD CABINET DETAIL SHEET

SCALE: NONE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	170
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SYSTEMS CENTER (TY-1TSC-400#57)



FIBERS 1 AND 2 CABINETS 25, 31, 37, 43, 49, 55.
FIBERS 3 AND 4 CABINETS 27, 33, 39, 45, 51.
FIBERS 5 AND 6 CABINETS 29, 35, 41, 47, 53.

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PLOT DATE = 10/19/2010	DATE - 12/29/09	REVISED - J.G. 10/19/2010

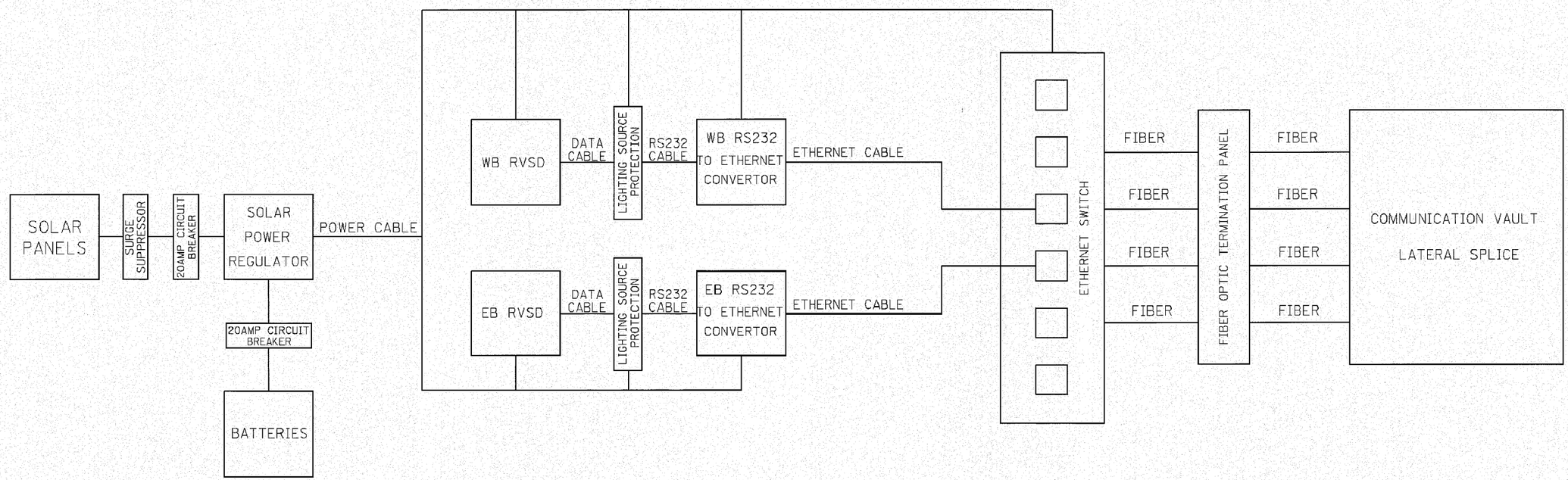
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

FIBER OPTIC SPLICING DETAIL (I80)

SCALE: NONE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	171
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SYSTEMS CENTER 4TY-1TSC-400*58)



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PLOT DATE = 10/15/2018	DATE - 08/24/2018	REVISED -	

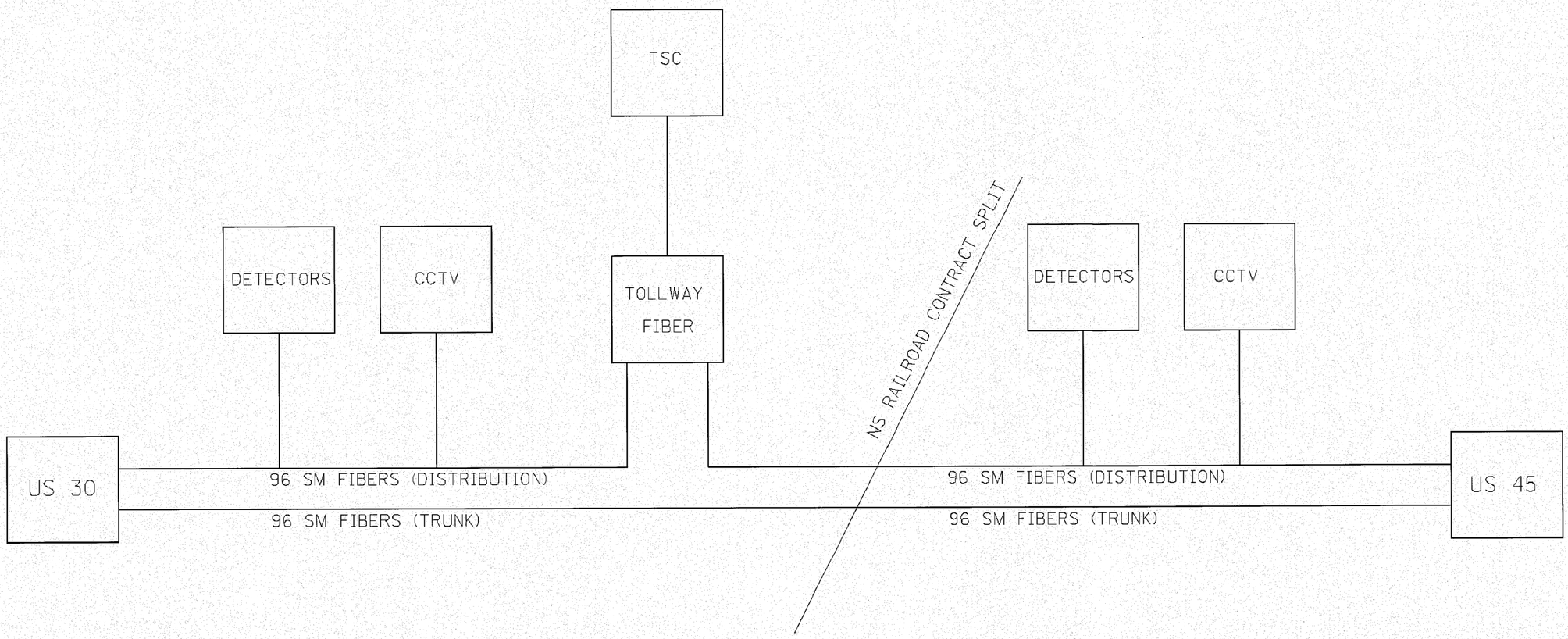
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

RVSD ROADWAY BLOCK DIAGRAM

SCALE: NONE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	172
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SYSTEMS CENTER (TY-1TSC-400*60)



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PLOT DATE = 10/15/2010	DATE - 08/24/2010	REVISED -	

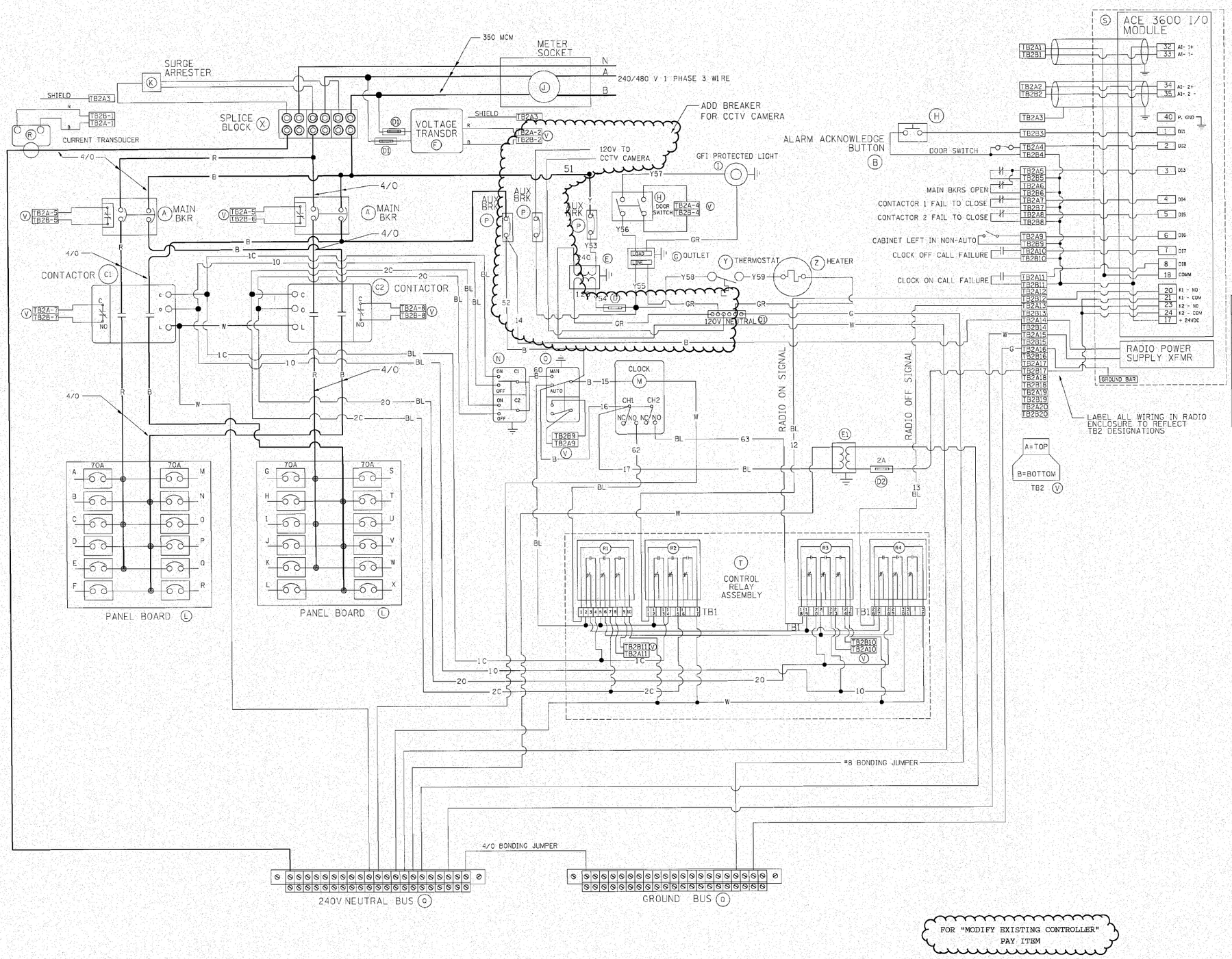
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

FIBER ROUTE (180)

SCALE: NONE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	173
		CONTRACT NO. 60M59		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SYSTEMS CENTER (TY-1TSC-400*61)



BILL OF MATERIALS

ITEM *	QTY	DESCRIPTION
A	2	MAIN CIRCUIT BREAKERS 2 POLE 175 AMP WITH AUX CONTACT
B	1	ACKNOWLEDGE SWITCH, PUSH BUTTON WITH YELLOW INSERT
C1, C2	2	CONTACTOR 2 POLE 200 AMP 240V COIL WITH AUX CONTACTS
D	1	FINGERSAFE FUSE HOLDER WITH KTK-20A FUSE
D1	2	FINGERSAFE FUSE HOLDER WITH KTK-½ FUSE
D2	1	FINGERSAFE FUSE HOLDER WITH KTK- 2A FUSE
E	1	2.0 KVA 277V-240/120 TRANSFORMER
E1	1	0.25 KVA 240/120-24 VAC TRANSFORMER
F	1	VOLTAGE TRANSDUCER
G	1	15 AMP GFCI DUPLEX OUTLET W/COVER
H	2	DOOR SWITCH A-20GQ-B7-K
I	1	LIGHT FIXTURE
J	1	METER FITTING 1 PHASE 3 WIRE 200 AMP
K	1	SURGE ARRESTER
L	2	PANEL BOARD 480/240V 1 PHASE, 250 AMP COPPER BUS
M	1	2 CHANNEL DIGITAL TIME CLOCK
N	1	MOMENTARY SWITCH ON - OFF
O	1	SQUARE D, 9001KS11BH13, 2 POSITION SWITCH IN 9001KY1 ENCLOSURE
P	2	BREAKER 1P 15A
Q	2	COPPER GROUND AND NEUTRAL BUS 1 x 16 x 1/4
Q1	1	COPPER NEUTRAL BUS WITH 1 1/0 AND #6 CONDUCTOR POINTS
R	1	CURRENT TRANSDUCER
S	1	MOTOROLA ACE 3600
T	1	CONTROL RELAY ASSEMBLEY 240V COILS WITH 4 3 PDT 25A RELAYS (W389ACX-15) (R1, R2, R3, R4) , QTY 32 TERMINAL BLOCKS
V	20	TERMINAL BLOCKS
X	1	620 AMP SLPICE BLOCK
Y	1	40-80 DEG THERMOSTAT
Z	1	375 WATT HEATER

*

FOR "MODIFY EXISTING CONTROLLER" PAY ITEM

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gn	DRAWN -	REVISED - R. TOMSONS 05-11-09	
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PLOT DATE = 3/30/2010	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING CONTROLLER, RADIO CONTROL
DUPLEX TYPE WITH SCADA

SCALE: NONE | SHEET NO. 2 OF 4 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	174
	BE-205	CONTRACT NO. 60M59		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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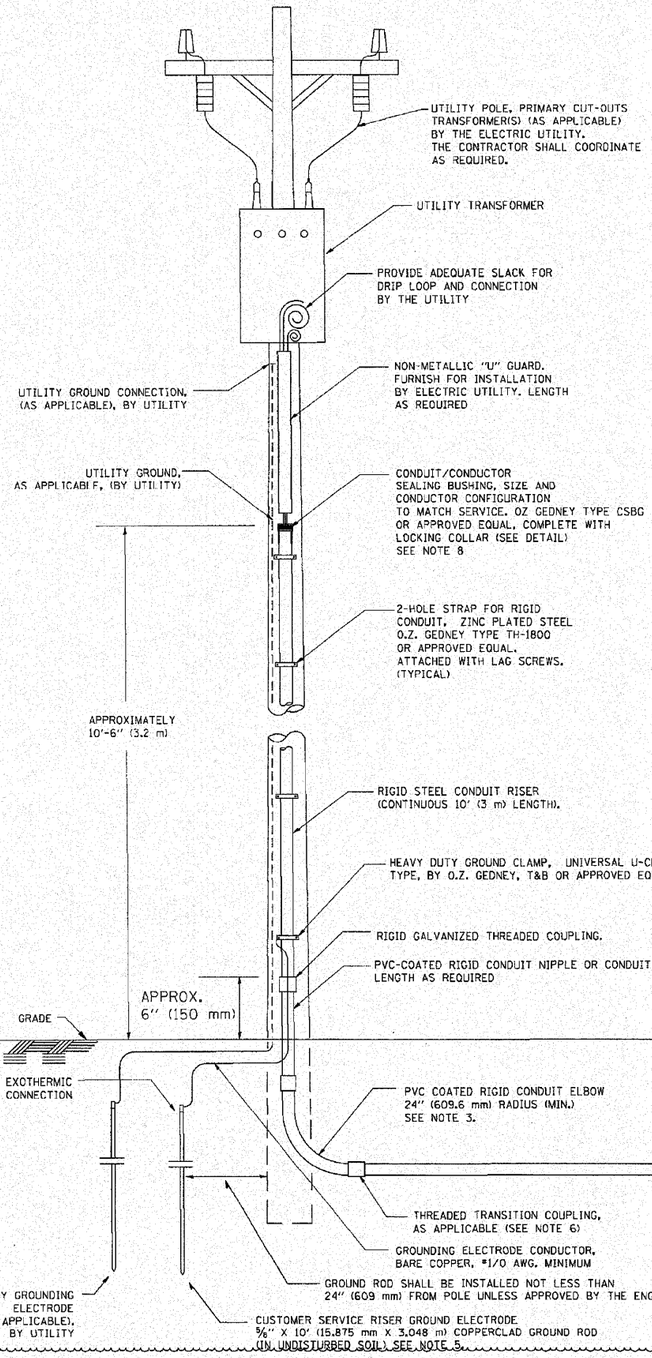

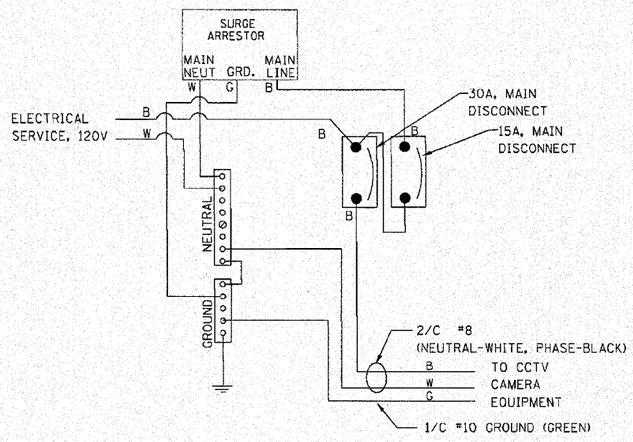

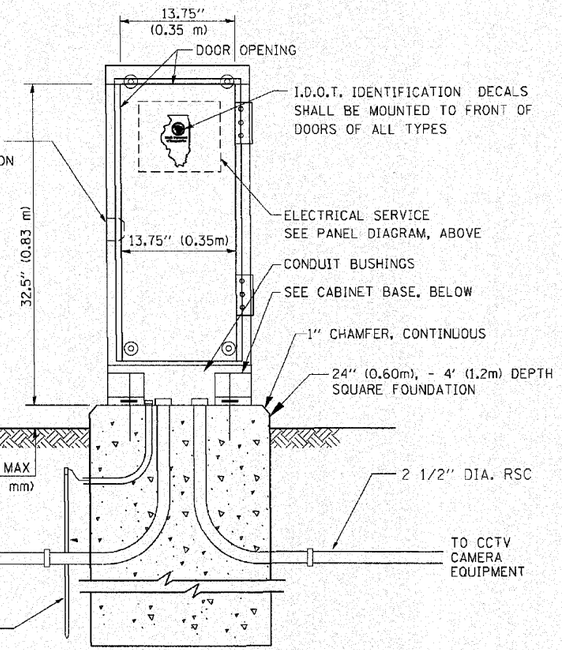

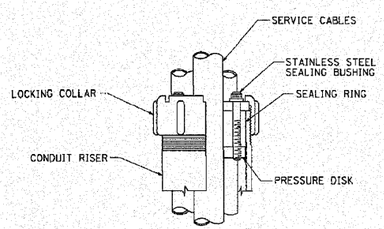

SEALING BUSHING DETAIL

NOTES

1. SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
2. UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
3. CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
4. PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
5. THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
6. THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
7. PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
8. THE CONTRACTOR SHALL SCHEDULE THE WORK SUCH THAT THE ENGINEER SAHLL WITNESS THE INSTALLATION OF THE RISER SEALING BUSHING AND GROUND ROD EXOTHERMIC WELDS. THE CONTRACTOR SHALL OBTAIN A CERTIFICATION SIGNED BY THE ENGINEER THAT THIS WORK WAS WITNESSED.

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6507 North Cumberland Avenue, Suite 402
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Tel: 773.775.4200 Fax 773.775.4014
Email: chicago@clarke.com

USER NAME = tomsonere	DESIGNED -	REVISED 1 ADDENDUM	
stStddgn	DRAWN	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - MEA	REVISED -	
PLOT DATE = 5/13/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

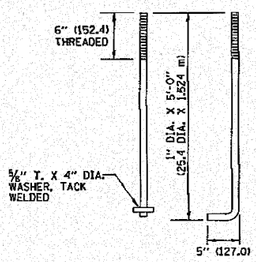
ELECTRIC SERVICE INSTALLATION
SERVICE INSTALLATION – GROUND MOUNTED

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

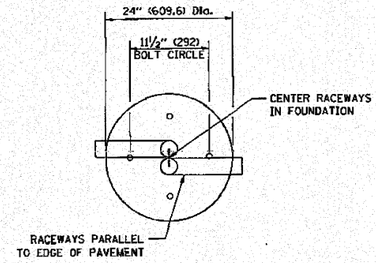
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	175
	BE-240	CONTRACT NO.	60M59	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LIGHT POLE FOUNDATION DEPTH TABLE
30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT

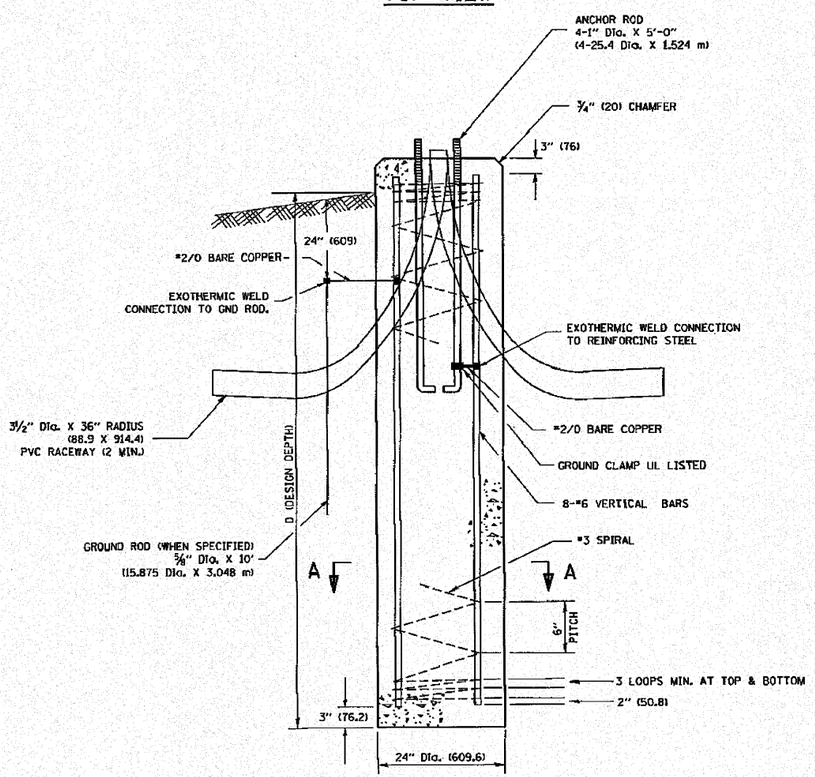
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND ø = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND ø = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND ø = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



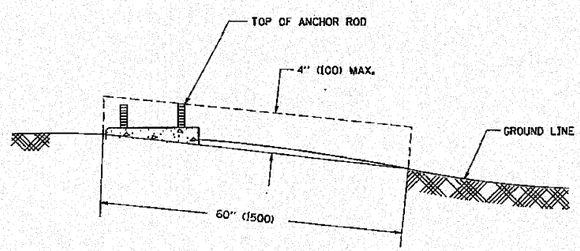
ANCHOR BOLT DETAIL



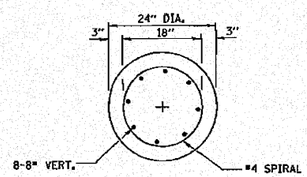
TOP VIEW



FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IN PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED ¾-IN. (20 mm).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
9. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
11. ANCHOR RODS SHALL PROJECT 2¾" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
12. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
14. THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

ENGINEERING CONSULTANT
Cloth Group, Inc.
CONSULTING ENGINEERS

USER NAME = gaglianobt	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -	
PLOT DATE = 1/4/2008	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
30' (9.144 m) TO 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	176
	BE-300	CONTRACT NO. 60M59		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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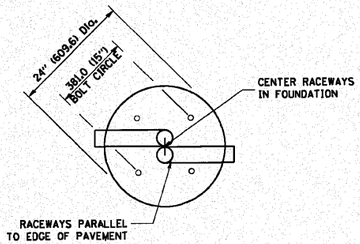
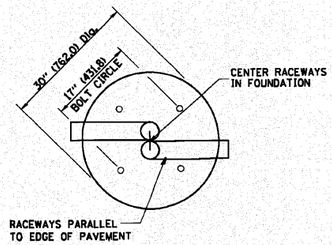
LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

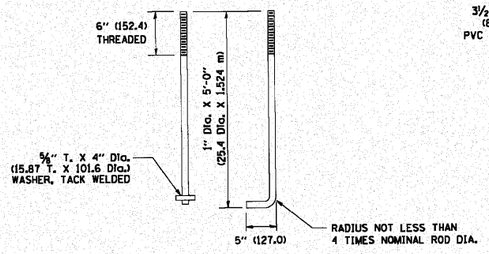
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-6" (2.09 m)	10'-9" (3.23 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND ø = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND ø = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND ø = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)



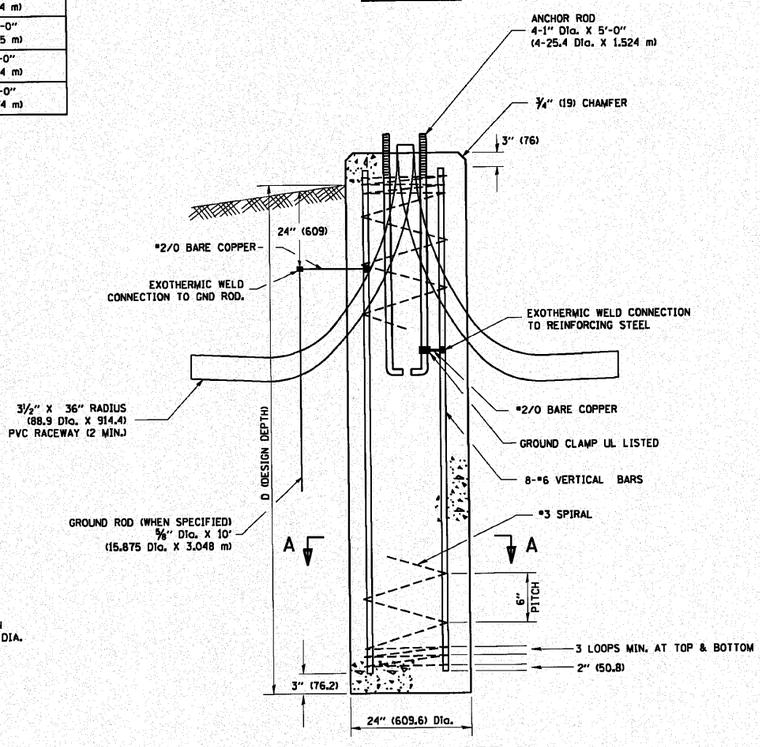
TOP VIEW



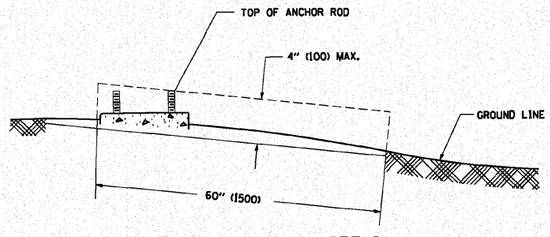
TOP VIEW



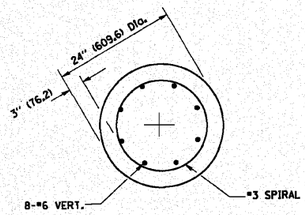
ANCHOR ROD DETAIL



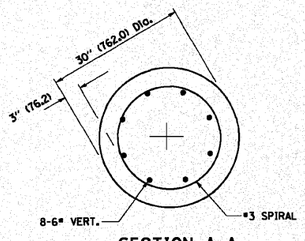
FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



SECTION A-A

NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
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3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
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6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
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13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
14. THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

ENGINEERING CONSULTANT
Clarke Group, Inc.
CONSULTING ENGINEERS
5007 North Cumberland Avenue, Suite 402
Chicago, IL 60656
Ph: 773-775-9200 - Fax: 773-775-9774
Email: clarke@clarke.com

USER NAME = gaglenobt	DESIGNED -	REVISED - 04-22-02	
	DRAWN -	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -	
PLOT DATE = 1/4/2008	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
40' (12.192 m) TO 47 1/2' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	177
	BE-301	CONTRACT NO. 60M59		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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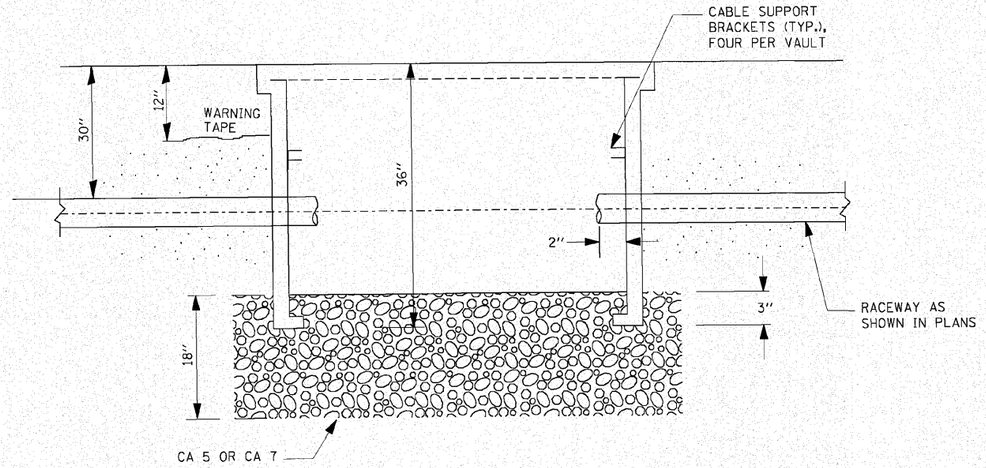
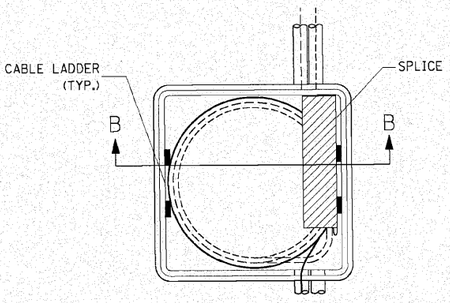
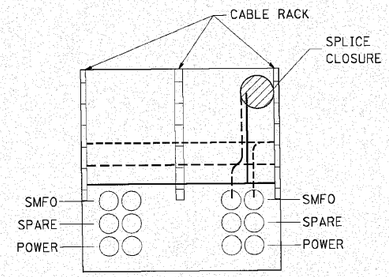
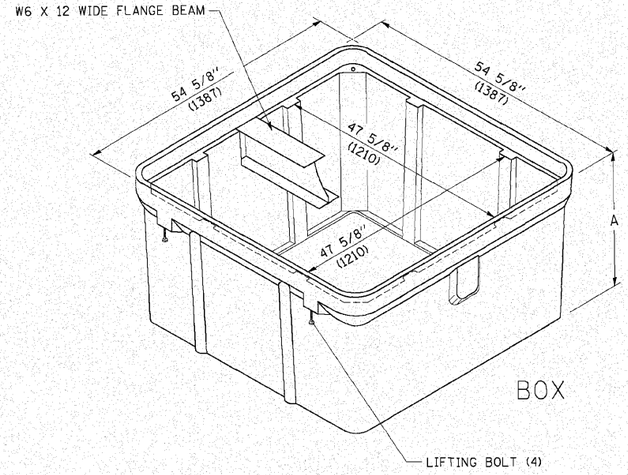


SECTION A-A



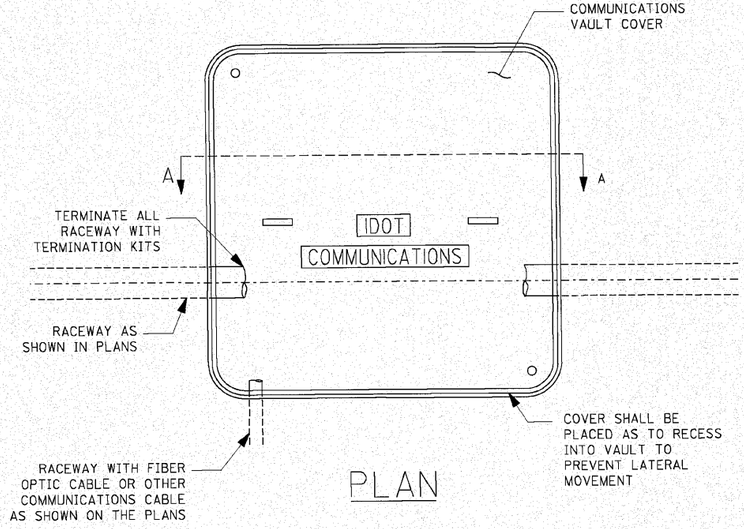


SECTION B-B



ISOMETRIC

BOX



PLAN

NOTES:

1. BOX SHALL HAVE AN OPEN BASE.
2. COVER SHALL WITHSTAND A 22,500/33,750 DESIGN/TEST LOADING AND SHALL LOCK.
3. ALL OPENINGS IN STRUCTURE MUST BE MACHINED AT TIME OF FABRICATION OR PUNCH DRIVEN AT TIME OF PLACEMENT. IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
4. FIELD PLACEMENT OF COMMUNICATIONS VAULT SHALL BE AS DIRECTED BY THE ENGINEER.
5. ALL DIMENSIONS ARE MINIMUM AND A LARGER SIZE HANDHOLE MAY BE USED, WITH THE APPROVAL OF THE ENGINEER, TO FACILITATE USING A MANUFACTURER'S STANDARD PRODUCT.

ENGINEERING CONSULTANT
Clarke Group, Inc.
CONSULTING ENGINEERS
6807 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Ph: 773.775.4206 Fax: 773.775.4094
Email: clarke@clarke.com

USER NAME = leyes	DESIGNED -	REVISED -
gn	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
PLOT DATE = 3/29/2010	DATE - 03-22-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMMUNICATIONS VAULT, COMPOSITE CONCRETE

SCALE: NONE | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	178
	BE-705	CONTRACT NO.	60M59	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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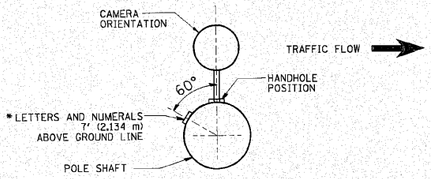
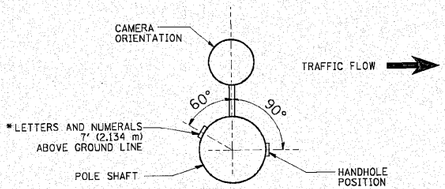
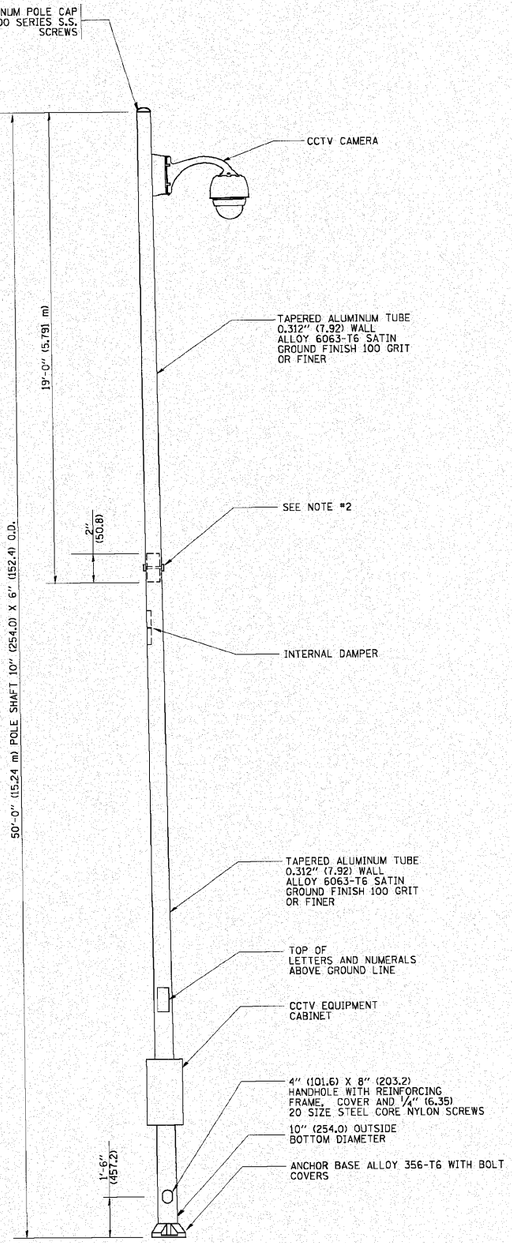


POSITION OF HANDHOLE AND CAMERA NUMBER FOR POLE MOUNTED ON BRIDGE PARAPET OR BARRIER WALL

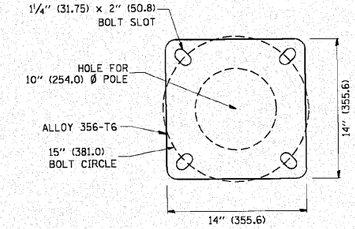


POSITION OF HANDHOLE AND CAMERA NUMBER



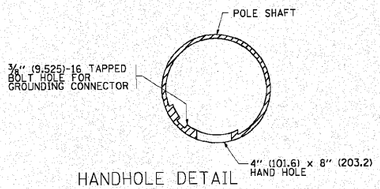
NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
3. THE POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
4. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
5. POLES WILL BE INSTALLED IN ACCORDANCE TO MANUFACTURER'S INSTRUCTIONS.
6. POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.



POLE BASE PLATE DETAIL

15 INCH (381.0) BOLT CIRCLE



HANDHOLE DETAIL

(N.T.S.)

ENGINEERING CONSULTANT	USER NAME = leyse	DESIGNED -	REVISED - R. TOMSONS 09-06-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CCTV CAMERA STRUCTURE 50' (15.24 m) MOUNTING HEIGHT
Corbin Group, Inc. CONSULTING ENGINEERS 5107 North Cumberland Avenue, Suite 402 Chicago, IL 60656 Tel: 773.775.4008 Fax: 773.775.4014 Email: info@corbin.com	dgn =	DRAWN -	REVISED - R. TOMSONS 09-03-03		
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -		SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.
	PLOT DATE = 4/12/2012	DATE -	REVISED -		

F.A.L RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	179
	BE-1000	CONTRACT NO. 60M59		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

TRUNK CABLE FIBER ASSIGNMENTS				ORIGINATION	US 45		
TRUNK CABLE DESIGNATION	TCF-IE-05			DESTINATION	I-355 (WB I-80 TO NB I-355 RAMP)		
BUFFER TUBE	FIBER	FIBER NO	ASSIGNMENT	BUFFER TUBE	FIBER NO	FIBER NO	ASSIGNMENT
BLUE	Blue 1	1		SLATE	Blue 1	49	
	Orange 2	2			Orange 2	50	
	Green 3	3			Green 3	51	
	Brown 4	4			Brown 4	52	
	Slate 5	5			Slate 5	53	
	White 6	6			White 6	54	
	Red 7	7			Red 7	55	
	Black 8	8			Black 8	56	
	Yellow 9	9			Yellow 9	57	
	Violet 10	10			Violet 10	58	
	Rose 11	11			Rose 11	59	
	Aqua 12	12			Aqua 12	60	
ORANGE	Blue 1	13		WHITE	Blue 1	61	
	Orange 2	14			Orange 2	62	
	Green 3	15			Green 3	63	
	Brown 4	16			Brown 4	64	
	Slate 5	17			Slate 5	65	
	White 6	18			White 6	66	
	Red 7	19			Red 7	67	
	Black 8	20			Black 8	68	
	Yellow 9	21			Yellow 9	69	
	Violet 10	22			Violet 10	70	
	Rose 11	23			Rose 11	71	
	Aqua 12	24			Aqua 12	72	
GREEN	Blue 1	25		RED	Blue 1	73	
	Orange 2	26			Orange 2	74	
	Green 3	27			Green 3	75	
	Brown 4	28			Brown 4	76	
	Slate 5	29			Slate 5	77	
	White 6	30			White 6	78	
	Red 7	31			Red 7	79	
	Black 8	32			Black 8	80	
	Yellow 9	33			Yellow 9	81	
	Violet 10	34			Violet 10	82	
	Rose 11	35			Rose 11	83	
	Aqua 12	36			Aqua 12	84	
BROWN	Blue 1	37		BLACK	Blue 1	85	
	Orange 2	38			Orange 2	86	
	Green 3	39			Green 3	87	
	Brown 4	40			Brown 4	88	
	Slate 5	41			Slate 5	89	
	White 6	42			White 6	90	
	Red 7	43			Red 7	91	
	Black 8	44			Black 8	92	
	Yellow 9	45			Yellow 9	93	
	Violet 10	46			Violet 10	94	
	Rose 11	47			Rose 11	95	
	Aqua 12	48			Aqua 12	96	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
TRUNK CABLE FIBER ASSIGNMENTS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	180
	BE-2100	CONTRACT NO. 60M59		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

DISTRIBUTION CABLE FIBER ASSIGNMENTS				ORIGINATION	US 45		
DISTRIBUTION CABLE DESIGNATION		DCF-IE-05		DESTINATION	I-355 (WB I-80 TO NB I-355 RAMP)		
BUFFER TUBE	FIBER	FIBER NO	ASSIGNMENT	BUFFER TUBE	FIBER NO	FIBER NO	ASSIGNMENT
BLUE	Blue 1	1		SLATE	Blue 1	49	
	Orange 2	2			Orange 2	50	
	Green 3	3			Green 3	51	
	Brown 4	4			Brown 4	52	
	Slate 5	5			Slate 5	53	
	White 6	6			White 6	54	
	Red 7	7			Red 7	55	
	Black 8	8			Black 8	56	
	Yellow 9	9			Yellow 9	57	
	Violet 10	10			Violet 10	58	
	Rose 11	11			Rose 11	59	
	Aqua 12	12			Aqua 12	60	
ORANGE	Blue 1	13		WHITE	Blue 1	61	
	Orange 2	14			Orange 2	62	
	Green 3	15			Green 3	63	
	Brown 4	16			Brown 4	64	
	Slate 5	17			Slate 5	65	
	White 6	18			White 6	66	
	Red 7	19			Red 7	67	
	Black 8	20			Black 8	68	
	Yellow 9	21			Yellow 9	69	
	Violet 10	22			Violet 10	70	
	Rose 11	23			Rose 11	71	
	Aqua 12	24			Aqua 12	72	
GREEN	Blue 1	25		RED	Blue 1	73	
	Orange 2	26			Orange 2	74	
	Green 3	27			Green 3	75	
	Brown 4	28			Brown 4	76	
	Slate 5	29			Slate 5	77	
	White 6	30			White 6	78	
	Red 7	31			Red 7	79	
	Black 8	32			Black 8	80	
	Yellow 9	33			Yellow 9	81	
	Violet 10	34			Violet 10	82	
	Rose 11	35			Rose 11	83	
	Aqua 12	36			Aqua 12	84	
BROWN	Blue 1	37		BLACK	Blue 1	85	
	Orange 2	38			Orange 2	86	
	Green 3	39			Green 3	87	
	Brown 4	40			Brown 4	88	
	Slate 5	41			Slate 5	89	
	White 6	42			White 6	90	
	Red 7	43			Red 7	91	
	Black 8	44			Black 8	92	
	Yellow 9	45			Yellow 9	93	
	Violet 10	46			Violet 10	94	
	Rose 11	47			Rose 11	95	
	Aqua 12	48			Aqua 12	96	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
DISTRIBUTION CABLE FIBER ASSIGNMENTS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	181
	BE-2110	CONTRACT NO.	60M59	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-IE-05a	CCTV CAMERA IE17	
FIBER NO	FUNCTION	CONNECTION
1	CCTV CABINET IE17	DCF-IE-05-
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-IE-05b	TSC CABINET 25	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-IE-05c	CCTV CAMERA IE18	
FIBER NO	FUNCTION	CONNECTION
1	CCTV CABINET IE18	DCF-IE-05-
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-IE-05d	TSC CABINET 27	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
TWELVE FIBER LATERAL CABLE FIBER ASSIGNMENTS

SCALE: NONE | SHEET NO. 1 OF 3 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	182
	BE-2130	CONTRACT NO. 60M59		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-IE-05e	TSC CABINET 29	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-IE-05f	CCTV CAMERA IE19	
FIBER NO	FUNCTION	CONNECTION
1	CCTV CAMERA IE19	DCF-IE-05-
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-IE-05g	TSC CABINET 31	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-IE-05h	CCTV CAMERA IE20, TSC CABINET 33	
FIBER NO	FUNCTION	CONNECTION
1	CCTV CAMERA IE20	DCF-IE-05-
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-IE-05i	TSC CABINET 35	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-IE-05j	CCTV CAMERA IE21	
FIBER NO	FUNCTION	CONNECTION
1	CCTV CAMERA IE21	DCF-IE-05-
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-IE-05k	TSC CABINET 37	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

LATERAL CABLE FIBER ASSIGNMENTS		
LCF-IE-05l	TSC CABINET 39	
FIBER NO	FUNCTION	CONNECTION
1		
2		
3		
4		
5		
6		
7		
8		
9		
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11		
12		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

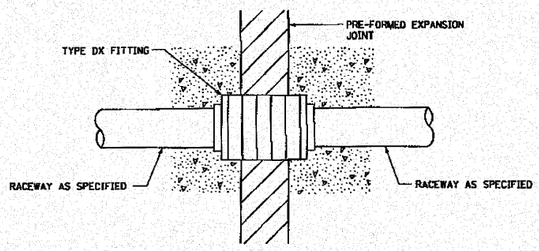
F.A.I. 80 FROM NS RAILROAD TO US 45
TWELVE FIBER LATERAL CABLE FIBER ASSIGNMENTS

SCALE: NONE | SHEET NO. 3 OF 3 SHEETS | STA. | TO STA.

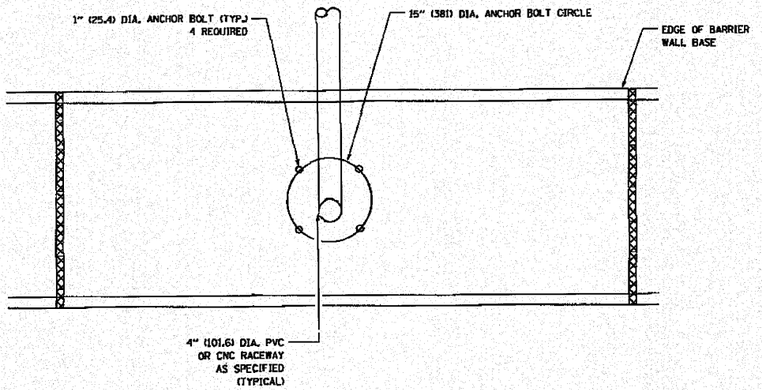
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	184
	BE-2130	CONTRACT NO. 60M59		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

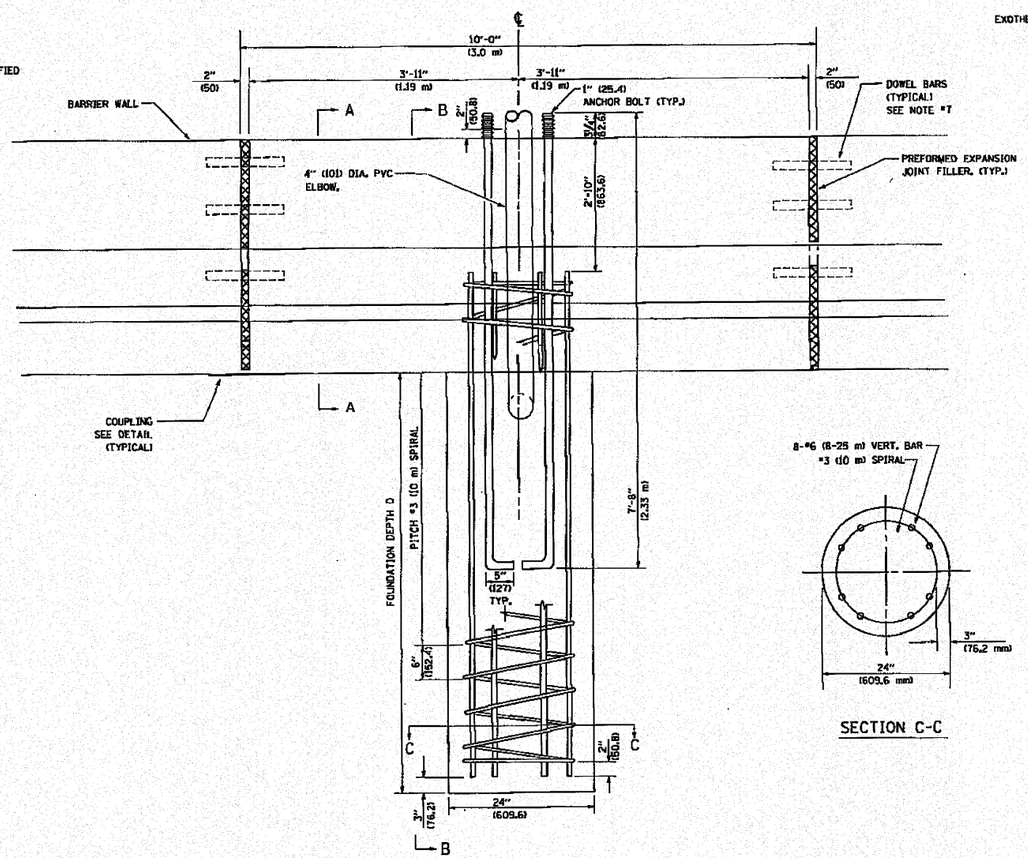
NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORMS.
3. THE CONTRACTOR AT HIS OPTION MAY SUBSTITUTE #4 (15 m) TIES AT 12" (304.8 m) CTRS. FOR THE #3 (3 m) SPIRAL. TACKWELDED TYPE BOLT MAY BE SUBSTITUTED FOR THE HOOK TYPE BOLT.
4. COLD BENDING OF THE HOOK BOLT SHALL NOT BE ALLOWED.
5. EXCAVATION FOR THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER 24 INCHES (609.6 m) IN DIAMETER.
6. THE ENGINEER SHALL DETERMINE THE TYPE OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE USING THE DOMINANT CHARACTERISTIC OF THE SOIL ENCOUNTERED.
7. BARRIER WALL EXPANSION AND CONSTRUCTION JOINTS SHALL BE IN ACCORDANCE WITH STANDARD DETAIL 637001-02 AND 637006 AS APPLICABLE.



CONDUIT DEFLECTION FITTING DETAIL





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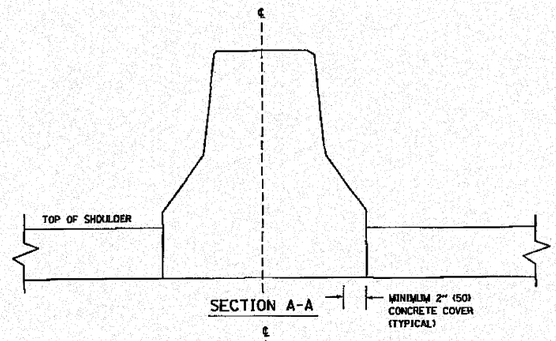
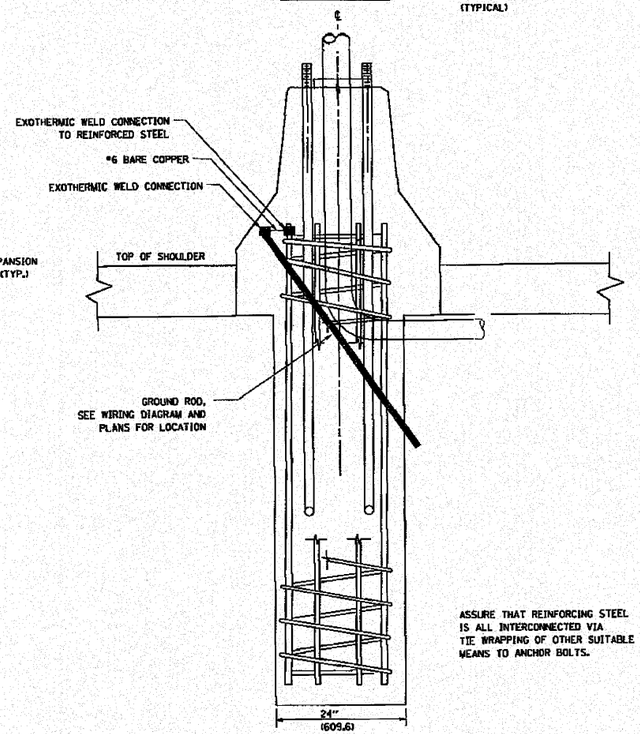


SECTION A-A



SECTION B-B

ASSURE THAT REINFORCING STEEL IS ALL INTERCONNECTED VIA TIE WRAPPING OF OTHER SUITABLE MEANS TO ANCHOR BOLTS.

FOUNDATION DEPTH

TYPE OF SOIL	FOUND FEPTH D	REINFORCEMENT IN FOUNDATION	
		VERTICAL BARS	SPIRAL
ROCK OR SOLIDIFIED SLAG	5'-0" (1.52 m)	NONE	NONE
DENSE SAND	7'-9" (2.36 m)	8-#6 x 9'-0" (8-20 m x 2.74 m)	#3 x 90' (3 m x 27.43 m)
MEDIUM SAND	8'-3" (2.51 m)	8-#6 x 9'-5" (8-20 m x 2.87 m)	#3 x 94' (3 m x 28.65 m)
LOOSE SAND	9'-0" (2.74 m)	8-#6 x 10'-2" (8-20 m x 3.09 m)	#3 x 100' (3 m x 30.48 m)
STIFF CLAY	7'-0" (2.13 m)	8-#6 x 10'-8" (8-20 m x 2.48 m)	#3 x 80' (3 m x 24.38 m)
MEDIUM CLAY	9'-6" (2.89 m)	8-#6 x 10'-8" (8-20 m x 3.25 m)	#3 x 104' (3 m x 31.69 m)
SOFT CLAY	13'-0" (3.96 m)	8-#6 x 14'-2" (8-20 m x 4.32 m)	#3 x 144' (3 m x 43.89 m)

DESIGN: 80 MPH AASHTO

ENGINEERING CONSULTANT
Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
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Email chicago@ciorba.com

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	DRAWN - RJR	REVISED -	
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PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION INTEGRAL WITH BARRIER WALL, 24" DIAMETER

SCALE: 1" = 50' | SHEET NO. OF 309 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&S-1) Y-1	WILL	309	185
		CONTRACT NO. 60M59		
	ILLINOIS	FED. AID PROJECT		

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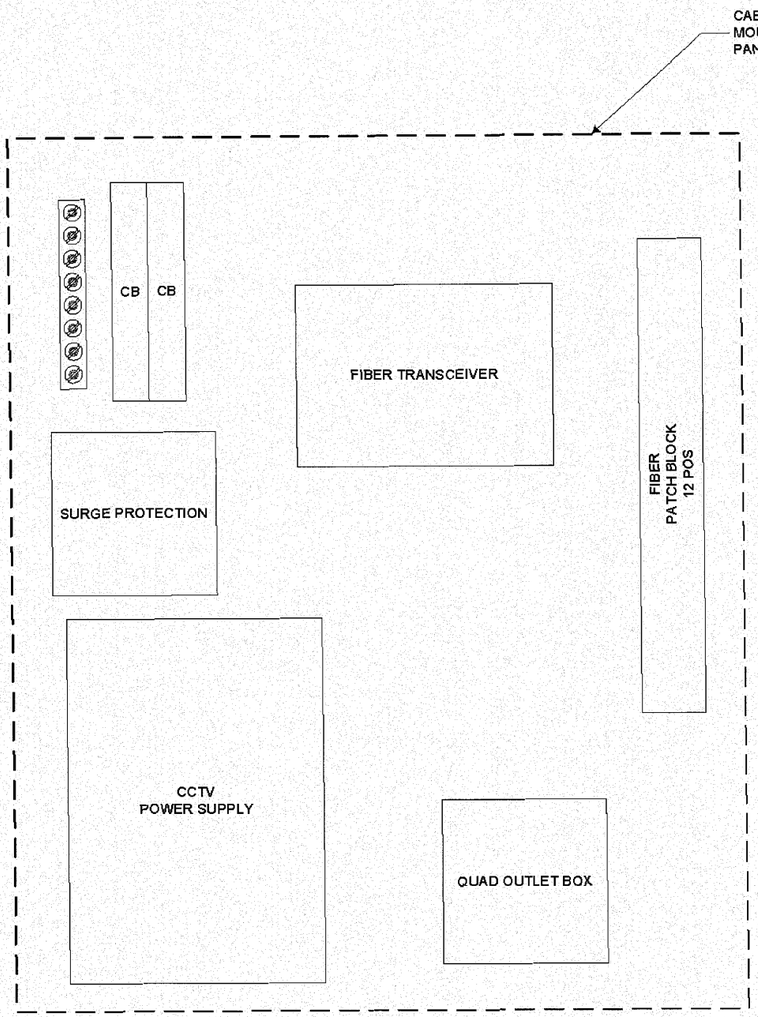
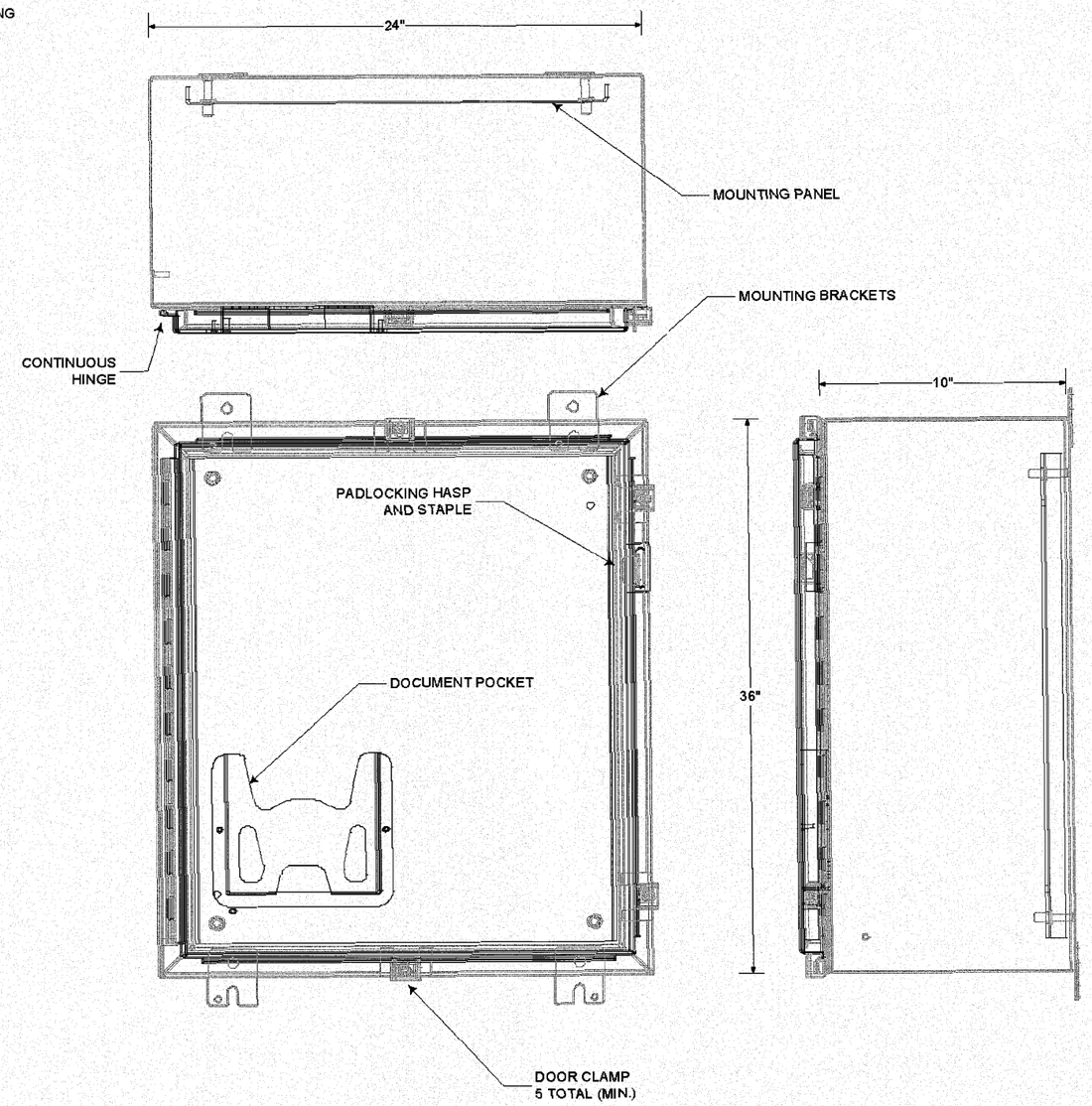


SUGGESTED EQUIPMENT LAYOUT



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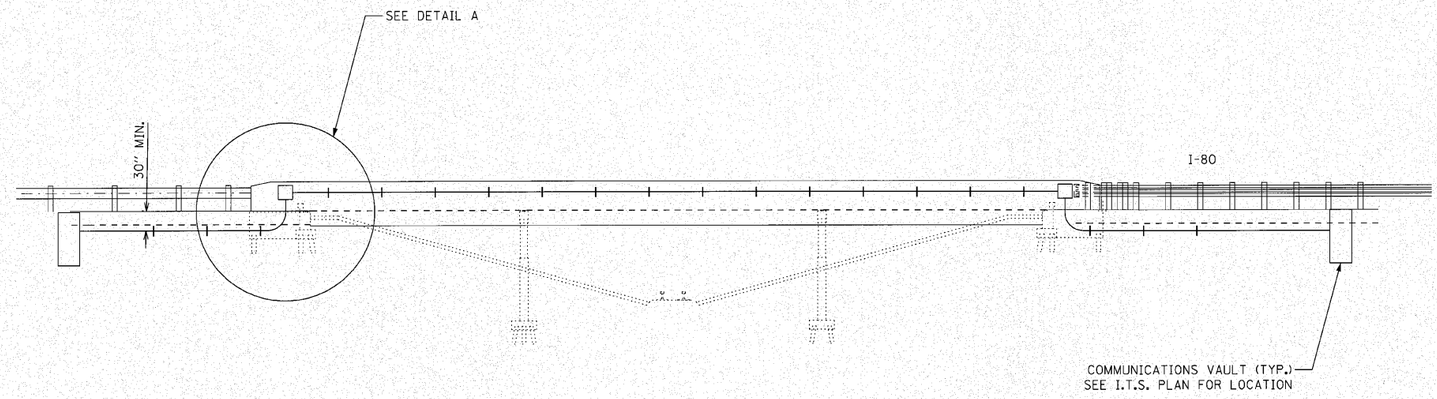
Clorba Group, Inc. CONSULTING ENGINEERS 6207 North Cumberland Avenue, Suite 402 Chicago, Illinois 60631 Phone: 773.775.8300 Fax: 773.775.4014 Email: clorba@clorba.com	PLOT SCALE	CHECKED	REVISED
	PLOT DATE	DATE 10/2009	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

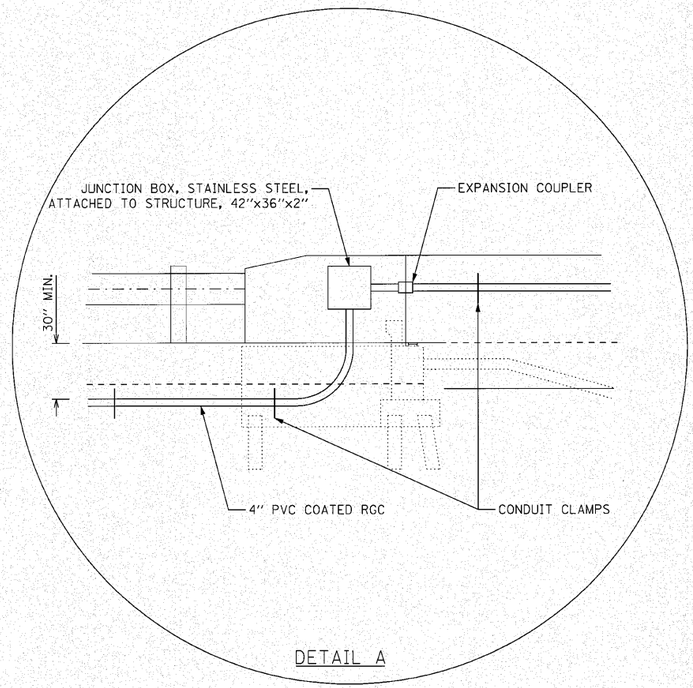
CCTV CAMERA EQUIPMENT
FIBER OPTIC DISTRIBUTION

SCALE: NONE | SHEET NO. __ OF __ SHEETS | STA. _____ TO STA. _____

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	186
		CONTRACT NO. 60M59		
	ILLINOIS	FED. AID PROJECT		



ELEVATION AT I-80 STRUCTURE OVER NORFOLK & SOUTHERN R.R.



DETAIL A

NOTES:

1. CONDUIT SHALL BE ATTACHED TO THE OUTSIDE OF THE BRIDGE PARAPET.
2. CONDUIT BENDS SHALL NOT EXCEED 90 DEGREES.
3. CONDUIT SUPPORT SPACING SHALL NOT EXCEED 5'.
4. CONDUIT SHALL BE SUPPORTED WITHIN 2' OF EXPANSION COUPLING.
5. THE 4" PVC COATED CONDUIT IN TRENCH SHALL BE PAID FOR UNDER THE 4" PVC COATED CONDIUT ATTACHED TO STRUCTURE PAY ITEM.

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ENGINEERING CONSULTANT
Ciorba Group, Inc.
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E-mail chicago@ciorba.com

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	DRAWN - JMK	REVISED -
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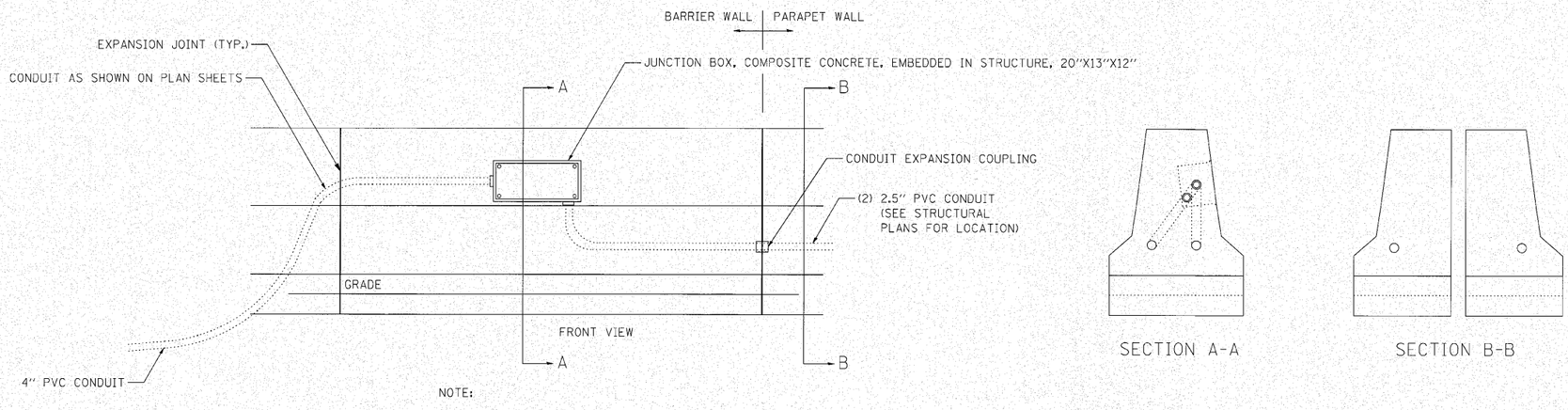
PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
CONDUIT ATTACHED TO STRUCTURE DETAIL

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	187
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

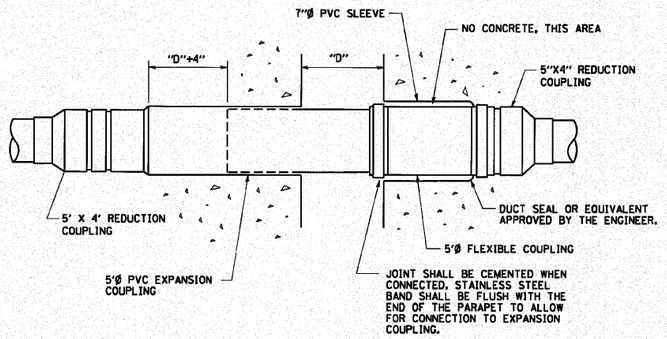


NOTE:

JUNCTION BOXES SHALL BE MOUNTED ON THE EAST FACE OF THE BARRIER WALL.

JUNCTION BOX, COMPOSITE CONCRETE, EMBEDDED IN STRUCTURE, 20"X13"X12"

(LOOKING SOUTH AT EAST ABUTMENT)



INSTALLATION OF CONDUIT IN BRIDGE PARAPET EXPANSION JOINT

(N.T.S.)

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ENGINEERING CONSULTANT
Ciorba Group, Inc.
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8507 North Cumberland Avenue, Suite 402
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	DRAWN - RJR	REVISED -	
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PLOT DATE = 10/28/2010	DATE - 10/27/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 80 FROM NS RAILROAD TO US 45
CONDUIT ATTACHED TO STRUCTURE DETAIL

SCALE: 1" = 50' | SHEET NO. OF 309 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	188
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

Bench Mark: Chiseled "□" on top of S.E. wingwall of S.N. 099-0070. Elev. 689.96

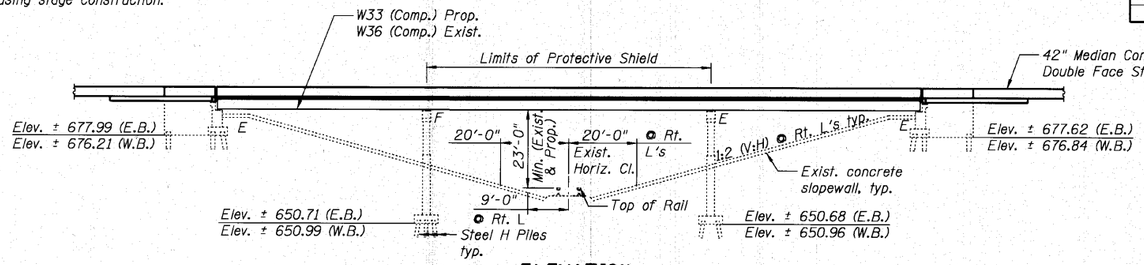
Existing Structure: Sta. 898+75.62, F.A.I. Rte. 80 Sec.99-5VB, Built in 1966, Deck and Superstructure replaced in 1997. Structure Nos. 099-0070 (Eastbound), 099-0071 (Westbound). Superstructure consists of 3-span continuous composite steel wide flange beams with R.C. deck. Both bridges are supported on two stub abutments, and two R.C. multiple column piers on piles. Existing out to out deck = 51'-2". Existing back to back abutments = 211'-4". Superstructure to be widened on existing substructure. Traffic to be maintained using stage construction.

No Salvage

TOP OF RAIL ELEVATION		
Station	East Rail	West Rail
18+00	659.46	659.70
19+00	659.68	659.92
20+00	659.97	660.21
21+00	660.33	660.55
22+00	660.69	660.90

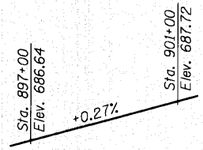
SCOPE OF WORK

1. Strengthen pier caps to allow for widening.
2. Widen deck and superstructure on existing substructure.
3. Extend existing concrete parapets.
4. Scarify and overlay existing deck and approach slab using thin polymer overlay.
5. Replace joints at abutments.
6. Repair abutments, piers & slope walls as shown.
7. Bearing rehabilitation at East Abutment on WB Structure.

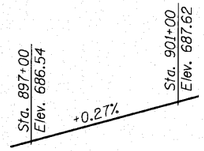


ELEVATION

SN 099-0071 shown, SN 099-0070 similar
No free fall deck drains will be permitted in span over tracks or within 10' of cross arms of rail road pole line



WB PROFILE
Along PGL



EB PROFILE
Along PGL

PROFILE GRADE

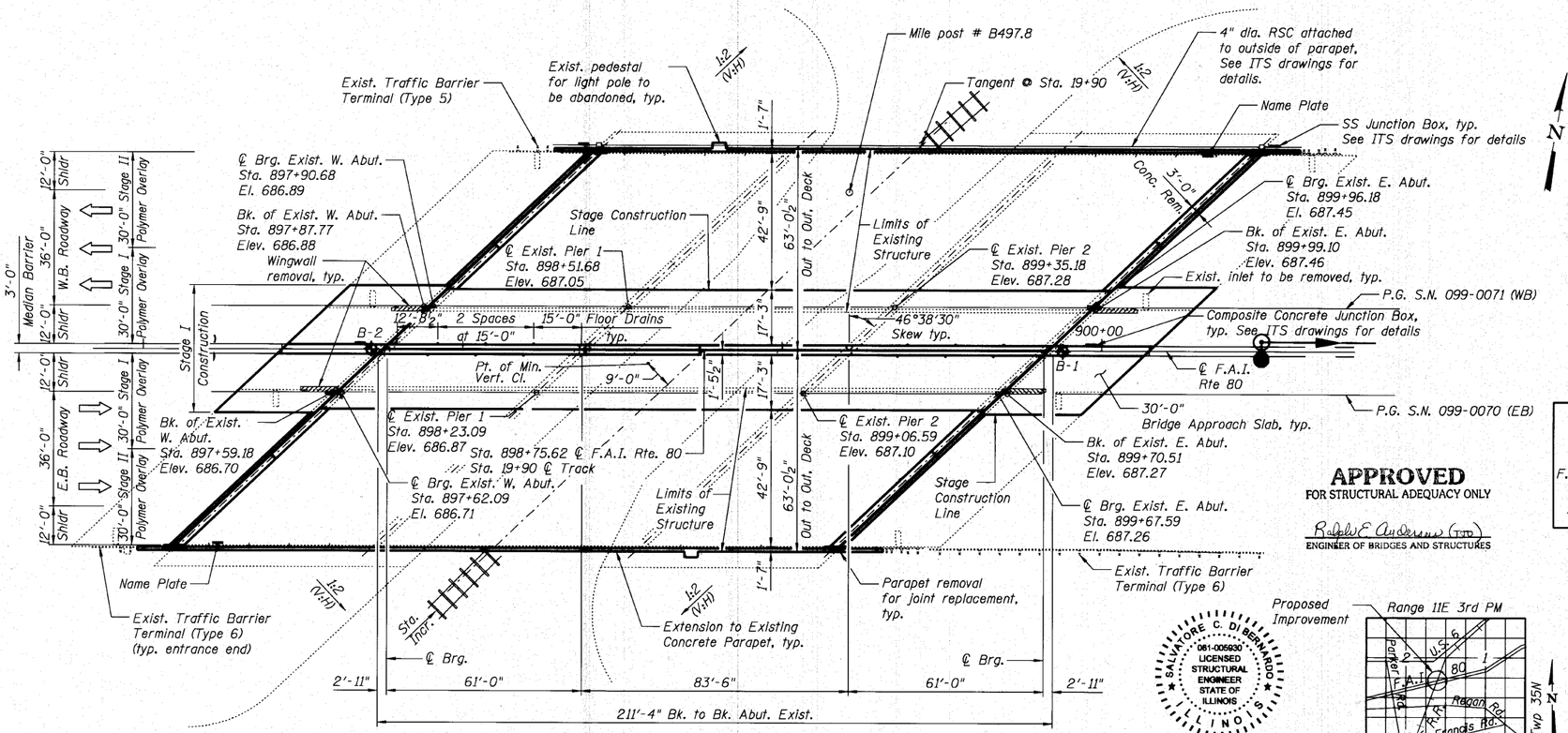
FAI Rte 80
(Includes $\frac{3}{8}$" thin polymer overlay)

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges

LOADING HS20-44 & ALT.

Allow 25#/sq. ft. for future wearing surface.



PLAN

LEGEND

◆ Existing Boring

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

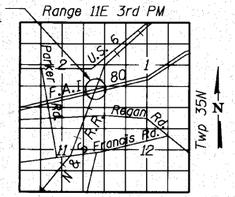
Rafik E Anderius (TJD)
ENGINEER OF BRIDGES AND STRUCTURES

SALVATORE C. DI BERNARDO
081-005930
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS
ILLINOIS

DATE: 10/28/2010
SEAL EXPIRES: 11/30/2012

Salvatore C. Di Bernardo

Proposed Improvement



LOCATION SKETCH

DESIGN STRESSES

FIELD UNITS

New

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (AASHTO M270 Grade 50)
fy = 36,000 psi (AASHTO M270 Grade 36)

Existing

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 36,000 psi (Original Substructure Reinforcement)
fy = 50,000 psi (AASHTO M270 Grade 50)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.04g
Site Coefficient (S) = 1.2

STATION 898+75.62 RE-BUILT 201_ BY STATE OF ILLINOIS F.A.I. RT. 80 SEC. 99(5&5-I)Y LOADING HS20 & ALT STRUCTURE NO. 099-0070	STATION 898+75.62 RE-BUILT 201_ BY STATE OF ILLINOIS F.A.I. RT. 80 SEC. 99(5&5-I)Y LOADING HS20 & ALT STRUCTURE NO. 099-0071

NAME PLATES

See Std. 515001
New Name Plates shall be located next to existing Name Plates.
Cost included with Name Plates.

GENERAL PLAN & ELEVATION
I-80 OVER NORFOLK & SOUTHERN R.R.
F.A.I. RTE. 80 - SEC 99(5&5-I)Y
WILL COUNTY
STATION 898+75.62
STRUCTURE NO. 099-0070 (E.B.)
STRUCTURE NO. 099-0071 (W.B.)

N:\PROJ\33843\Eas\Design\Structural\I-80 over N&S\CAD\33841_I-80 N&S 01 General Plan.dgn

Clarke Group, Inc.
CONSULTING ENGINEERS
1001 North Cumberland Circle
P.O. Box 4010
Bloomington, Illinois 61702
Tel: 773/778-6014
E-mail: chicago@clarke.com

FILE NAME =	USER NAME = rdanley	DESIGNED - BWS	REVISED -
		CHECKED - EKM	REVISED -
	PLOT SCALE =	DRAWN - RD	REVISED -
	PLOT DATE = 10/28/2010	CHECKED - SCD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. S-1 OF S-27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	189
		CONTRACT NO. 60M59		
		ILLINOIS FED. AID PROJECT		

GENERAL NOTES:

1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{7}{8}$ in. ϕ. holes $\frac{15}{16}$ in. ϕ, unless otherwise noted.

2. Calculated weight of Structural Steel = 15,620 lb (M270 Grade 36)
   122,000 lb (M270 Grade 50)

3. No field welding is permitted except as specified in the contract documents.

4. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

5. Reinforcement bars designated (E) shall be epoxy coated.

6. Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.
   As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer.
   Any cracks that cannot be removed by grinding $\frac{1}{4}$ inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

7. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

8. Bearing seat surfaces shall be adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

9. Concrete Sealer shall be applied to the designated areas of the substructure concrete.

10. The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all steel surfaces shall be Interstate Green, Munsell No. 7.5G 4/8. See Special Provision for "Cleaning and Painting New Metal Structures".

11. Existing structural steel shall only be cleaned and painted as required by the Special Provision Cleaning and Painting Contact Surface Areas of Existing Steel Structures.

12. The concrete for bridge decks finished according to Article 503.16(a) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete.

13. Slipforming of the parapets is not allowed.

14. Protective coat shall not be placed on thin polymer overlay.

INDEX OF SHEETS:

1. General Plan and Elevation
2. General Notes & Bill of Material
3. Construction Staging
4. Top of Slab Elevations I
5. Top of Slab Elevations II
6. Top of Slab Elevations III
7. Top of West Approach Slab Elevations
8. Top of East Approach Slab Elevations
9. Superstructure Plan
10. Superstructure Details I
11. Superstructure Details II
12. Bridge Approach Slab Details I
13. Bridge Approach Slab Details II
14. Preformed Joint Strip Seal
15. Framing Plan
16. Structural Steel Details
17. Bearing Details I
18. Bearing Details II
19. Bearing Repairs
20. Abutment Repairs and Joint Replacement
21. Abutment and Removal Details
22. Slopewall Repairs
23. West Bound Pier Repairs
24. East Bound Pier Repairs
25. Temporary Concrete Barrier For Stage Construction
26. Bar Splicer Assembly and Mechanical Splicer Details
27. Soil Boring Logs

TOTAL BILL OF MATERIAL

	ITEM	UNIT	SUPER	SUB	TOTAL
	CONCRETE REMOVAL	CU YD	214.4		214.4
	PROTECTIVE SHIELD	SQ YD	197		197
	FLOOR DRAINS	EACH	12		12
	CONCRETE STRUCTURES	CU YD		41.2	41.2
	CONCRETE SUPERSTRUCTURE	CU YD	426.8		426.8
	PROTECTIVE COAT	SQ YD	551		551
	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1
	STUD SHEAR CONNECTORS	EACH	2,748		2,748
	REINFORCEMENT BARS, EPOXY COATED	POUND	110,560	6,990	117,550
	BAR SPLICERS	EACH	20	136	156
	NAME PLATES	EACH	2		2
	PREFORMED JOINT STRIP SEAL	FOOT	364		364
	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH		8	8
	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH		4	4
	ANCHOR BOLTS, 1"	EACH		24	24
	ANCHOR BOLTS, $1\frac{1}{4}$"	EACH		8	8
	CONCRETE SEALER	SQ FT		2,815	2,815
	EPOXY CRACK INJECTION	FOOT		120	120
*	CONCRETE BRIDGE DECK SCARIFICATION (3/8 INCH)	SQ YD	2,491		2,491
*	BRIDGE DECK THIN POLYMER OVERLAY $\frac{3}{8}$"	SQ YD	3,520		3,520
*	ACRYLIC COATING	SQ YD		16	16
*	FIBER WRAP	SQ FT		260	260
*	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT		24	24
*	SLOPE WALL REPAIR	SQ YD		108	108

* Special Provisions

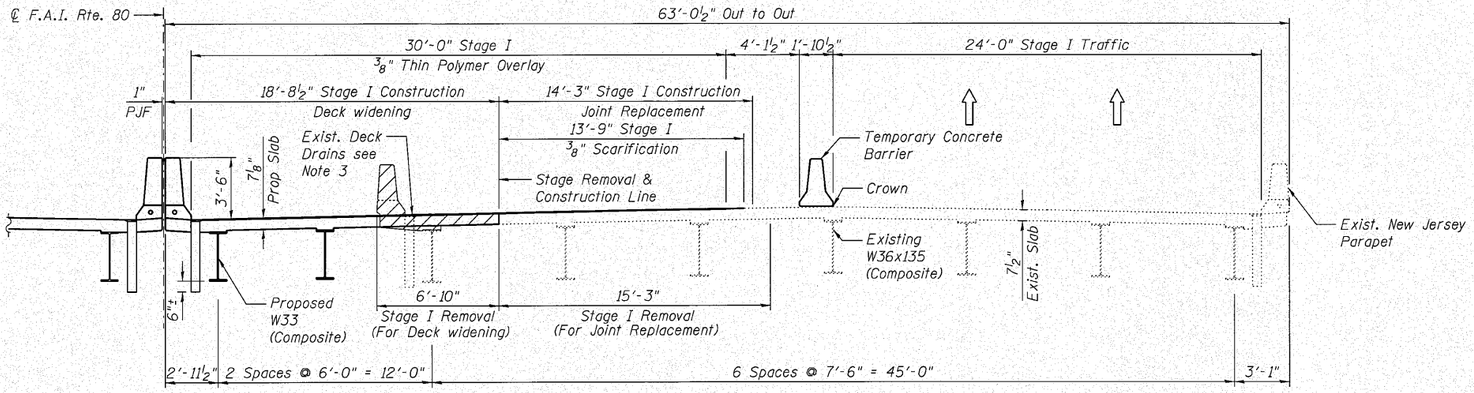
n:\proj\3384\3_east\design\structural\I-80 over r&s\cad\3384_I-80 N&S 02 Gen Notes & BOM.dgn

FILE NAME =	USER NAME = rdanley	DESIGNED - BWS	REVISED -
Clarke Group, Inc. CONSULTING ENGINEERS 5007 North Cumberland Avenue Suite 403 Chicago, Illinois 60656 Tel 773.775.8016 Fax 773.775.8018 Email dhogan@clarke.com		CHECKED - EKM	REVISED -
	PLOT SCALE =	DRAWN - RD	REVISED -
	PLOT DATE = 10/28/2012	CHECKED - SCD	REVISED -

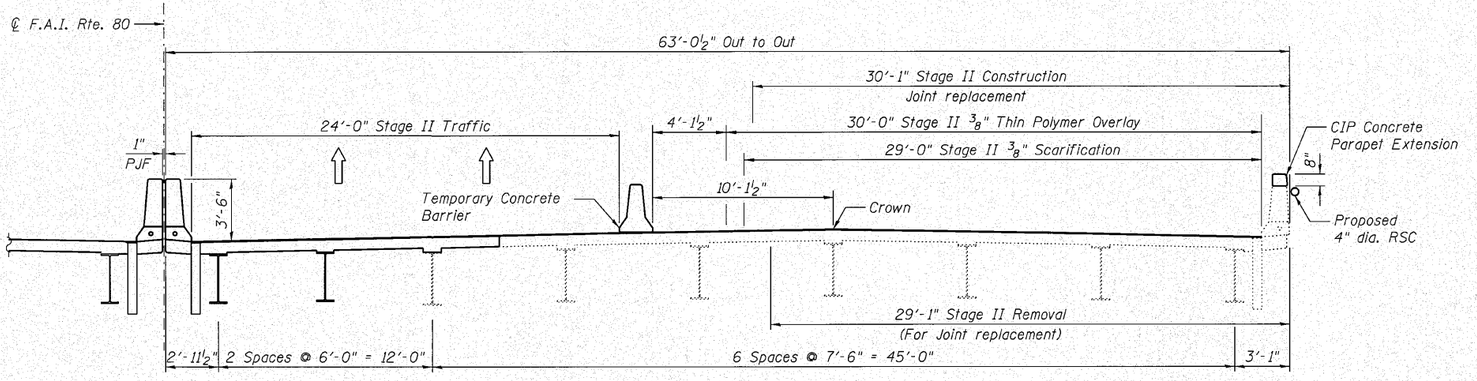
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & BILL OF MATERIAL
STRUCTURE NO. 099-0070 (E.B.) & 099-0071 (W.B.)
SHEET NO. S-2 OF S-27 SHEETS

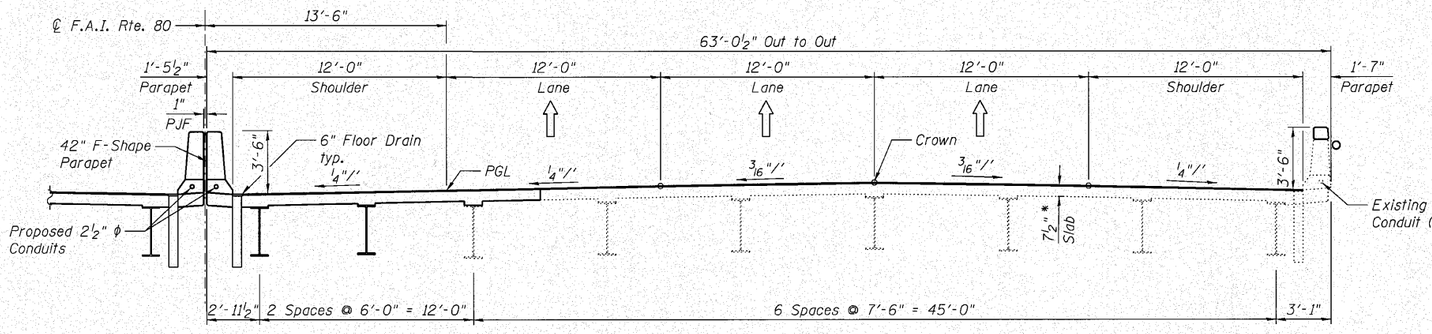
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	190
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION



CROSS SECTION-FINAL

* Includes ⅜" Thin Polymer Overlay

NOTES:

1. Cross Section Views Looking West
2. S.N. 099-0071 shown, S.N. 099-0070 similar
3. Deck Drain Removal included in Cost of Concrete Removal
4. Protective Shield to be placed in Span 2 under areas of Deck Removal only.
5. Indicated stage construction lines apply only to deck. For approach slab and joint replacement stage construction lines see sheets S-7, S-8, S-12 and S-21.

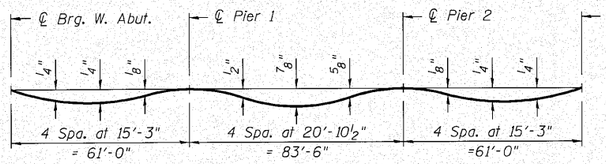
LEGEND

Indicates concrete removal

n:\proj\3384\3_east\design\structural\I-80 over n&s\cad\3384_I-80 N&S 03 Staging.dgn

FILE NAME =	USER NAME = rdanley	DESIGNED - BWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONSTRUCTION STAGING STRUCTURE NO. 099-0070 (E.B.) & 099-0071 (W.B.)
Clorba Group, Inc. CONSULTING ENGINEERS 9007 North Cumberland Avenue Suite 403 Chicago, Illinois 60656 Tel: 773.775.4100 Fax: 773.775.4102 Email: chicago@clorba.com		CHECKED - EKM	REVISED -		
	PLOT SCALE =	DRAWN - RD	REVISED -		
	PLOT DATE = 10/28/2010	CHECKED - SCD	REVISED -		SHEET NO. S-3 OF S-2T SHEETS

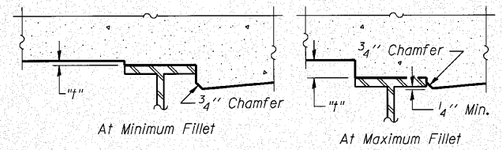
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	191
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

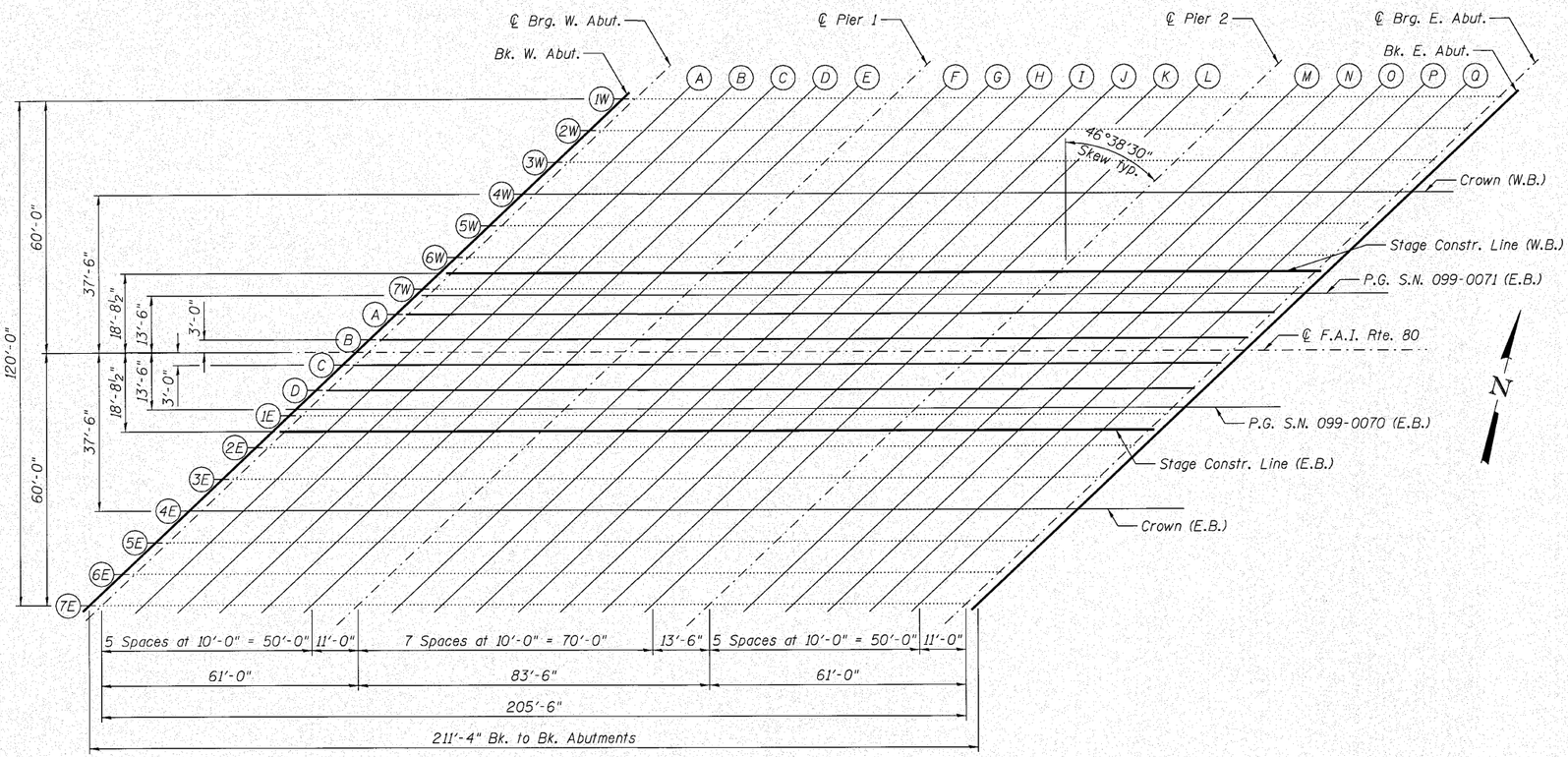
Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below and in sheet S-5 and S-6. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus slab thickness of 7 7/8". * equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

* Does not include 3/8" Thin Polymer Overlay.



PLAN

n\proj\33843\east\design\structural\r-80 over r&s\cad\3384_I-80 N&S 04 Top of Slab Elevations.dgn

FILE NAME =	USER NAME = rdanley	DESIGNED - BWS	REVISED -
Clorba Group, Inc. CONSULTING ENGINEERS 6507 North Cumberland Avenue Chicago, Illinois 60656 Tel: 773.775.6000 Fax 773.775.4014 Email: clorba@clorba.com		CHECKED - EKM	REVISED -
	PLOT SCALE =	DRAWN - RD	REVISED -
	PLOT DATE = 10/28/2010	CHECKED - SCD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS I
STRUCTURE NO. 099-0070 (E.B.) & 099-0071 (W.B.)
SHEET NO. S-4 OF S-27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	192
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

STAGE CONSTR. LINE (W.B.)

Location	Station	Offset	Theoretical Grade * Elevations	Theoretical Grade Elevations * Adjusted For Dead Load Deflection
Bk. W. Abut.	897+93.33	-18.75	686.97	686.97
CL Br. W. Abut.	897+96.24	-18.75	686.98	686.98
A	898+06.24	-18.75	687.00	687.02
B	898+16.24	-18.75	687.03	687.06
C	898+26.24	-18.75	687.06	687.08
D	898+36.24	-18.75	687.09	687.10
E	898+46.24	-18.75	687.11	687.12
CL Brg. Pier 1	898+57.24	-18.75	687.14	687.14
F	898+67.24	-18.75	687.17	687.19
G	898+77.24	-18.75	687.20	687.24
H	898+87.24	-18.75	687.22	687.29
I	898+97.24	-18.75	687.25	687.32
J	899+07.24	-18.75	687.28	687.35
K	899+17.24	-18.75	687.30	687.36
L	899+27.24	-18.75	687.33	687.36
CL Brg. Pier 2	899+40.74	-18.75	687.37	687.37
M	899+50.74	-18.75	687.40	687.40
N	899+60.74	-18.75	687.42	687.44
O	899+70.74	-18.75	687.45	687.47
P	899+80.74	-18.75	687.48	687.50
Q	899+90.74	-18.75	687.50	687.52
CL Brg. E. Abut.	900+01.74	-18.75	687.53	687.53
Bk. E. Abut.	900+04.66	-18.75	687.54	687.54

EXISTING BEAM 7W

Location	Station	Offset	Theoretical Grade * Elevations	Theoretical Grade Elevations * Adjusted For Dead Load Deflection
Bk. W. Abut.	897+89.36	-15.00	686.88	686.88
CL Br. W. Abut.	897+92.27	-15.00	686.89	686.89
A	898+02.27	-15.00	686.92	686.93
B	898+12.27	-15.00	686.94	686.97
C	898+22.27	-15.00	686.97	686.99
D	898+32.27	-15.00	687.00	687.01
E	898+42.27	-15.00	687.02	687.03
CL Brg. Pier 1	898+53.27	-15.00	687.05	687.05
F	898+63.27	-15.00	687.08	687.10
G	898+73.27	-15.00	687.11	687.15
H	898+83.27	-15.00	687.13	687.20
I	898+93.27	-15.00	687.16	687.23
J	899+03.27	-15.00	687.19	687.26
K	899+13.27	-15.00	687.22	687.27
L	899+23.27	-15.00	687.24	687.27
CL Brg. Pier 2	899+36.77	-15.00	687.28	687.28
M	899+46.77	-15.00	687.31	687.31
N	899+56.77	-15.00	687.33	687.35
O	899+66.77	-15.00	687.36	687.38
P	899+76.77	-15.00	687.39	687.41
Q	899+86.77	-15.00	687.41	687.43
CL Brg. E. Abut.	899+97.77	-15.00	687.44	687.44
Bk. E. Abut.	900+00.68	-15.00	687.45	687.45

P.G. S.N. 099-0071 (W.B.)

Location	Station	Offset	Theoretical Grade * Elevations	Theoretical Grade Elevations * Adjusted For Dead Load Deflection
Bk. W. Abut.	897+87.77	-13.50	686.85	686.85
CL Br. W. Abut.	897+90.68	-13.50	686.85	686.85
A	898+00.68	-13.50	686.88	686.90
B	898+10.68	-13.50	686.91	686.93
C	898+20.68	-13.50	686.93	686.96
D	898+30.68	-13.50	686.96	686.98
E	898+40.68	-13.50	686.99	686.99
CL Brg. Pier 1	898+51.68	-13.50	687.02	687.02
F	898+61.68	-13.50	687.05	687.06
G	898+71.68	-13.50	687.07	687.11
H	898+81.68	-13.50	687.10	687.16
I	898+91.68	-13.50	687.13	687.20
J	899+01.68	-13.50	687.15	687.22
K	899+11.68	-13.50	687.18	687.23
L	899+21.68	-13.50	687.21	687.23
CL Brg. Pier 2	899+35.18	-13.50	687.24	687.24
M	899+45.18	-13.50	687.27	687.27
N	899+55.18	-13.50	687.30	687.31
O	899+65.18	-13.50	687.32	687.35
P	899+75.18	-13.50	687.35	687.38
Q	899+85.18	-13.50	687.38	687.40
CL Brg. E. Abut.	899+96.18	-13.50	687.41	687.41
Bk. E. Abut.	899+99.10	-13.50	687.42	687.42

PROPOSED BEAM A

Location	Station	Offset	Theoretical Grade * Elevations	Theoretical Grade Elevations * Adjusted For Dead Load Deflection
Bk. W. Abut.	897+83.0	-9.00	686.74	686.74
CL Br. W. Abut.	897+85.92	-9.00	686.75	686.75
A	897+95.92	-9.00	686.77	686.79
B	898+05.92	-9.00	686.80	686.83
C	898+15.92	-9.00	686.83	686.85
D	898+25.92	-9.00	686.85	686.87
E	898+35.92	-9.00	686.88	686.89
CL Brg. Pier 1	898+46.92	-9.00	686.91	686.91
F	898+56.92	-9.00	686.94	686.96
G	898+66.92	-9.00	686.97	687.01
H	898+76.92	-9.00	686.99	687.05
I	898+86.92	-9.00	687.02	687.09
J	898+96.92	-9.00	687.05	687.11
K	899+06.92	-9.00	687.07	687.12
L	899+16.92	-9.00	687.10	687.13
CL Brg. Pier 2	899+30.42	-9.00	687.14	687.14
M	899+40.42	-9.00	687.16	687.17
N	899+50.42	-9.00	687.19	687.20
O	899+60.42	-9.00	687.22	687.24
P	899+70.42	-9.00	687.25	687.27
Q	899+80.42	-9.00	687.27	687.29
CL Brg. E. Abut.	899+91.42	-9.00	687.30	687.30
Bk. E. Abut.	899+94.33	-9.00	687.31	687.31

PROPOSED BEAM B

Location	Station	Offset	Theoretical Grade * Elevations	Theoretical Grade Elevations * Adjusted For Dead Load Deflection
Bk. W. Abut.	897+76.65	-3.00	686.60	686.60
CL Br. W. Abut.	897+79.56	-3.00	686.60	686.60
A	897+89.56	-3.00	686.63	686.65
B	897+99.56	-3.00	686.66	686.68
C	898+09.56	-3.00	686.69	686.71
D	898+19.56	-3.00	686.71	686.73
E	898+29.56	-3.00	686.74	686.74
CL Brg. Pier 1	898+40.56	-3.00	686.77	686.77
F	898+50.56	-3.00	686.80	686.81
G	898+60.56	-3.00	686.82	686.86
H	898+70.56	-3.00	686.85	686.91
I	898+80.56	-3.00	686.88	686.95
J	898+90.56	-3.00	686.90	686.97
K	899+00.56	-3.00	686.93	686.98
L	899+10.56	-3.00	686.96	686.99
CL Brg. Pier 2	899+24.06	-3.00	686.99	686.99
M	899+34.06	-3.00	687.02	687.02
N	899+44.06	-3.00	687.05	687.06
O	899+54.06	-3.00	687.08	687.10
P	899+64.06	-3.00	687.10	687.13
Q	899+74.06	-3.00	687.13	687.15
CL Brg. E. Abut.	899+85.06	-3.00	687.16	687.16
Bk. E. Abut.	899+87.98	-3.00	687.17	687.17

PROPOSED BEAM C

Location	Station	Offset	Theoretical Grade * Elevations	Theoretical Grade Elevations * Adjusted For Dead Load Deflection
Bk. W. Abut.	897+70.30	3.00	686.48	686.48
CL Br. W. Abut.	897+73.21	3.00	686.49	686.49
A	897+83.21	3.00	686.51	686.53
B	897+93.21	3.00	686.54	686.57
C	898+03.21	3.00	686.57	686.59
D	898+13.21	3.00	686.60	686.61
E	898+23.21	3.00	686.62	686.63
CL Brg. Pier 1	898+34.21	3.00	686.65	686.65
F	898+44.21	3.00	686.68	686.70
G	898+54.21	3.00	686.71	686.74
H	898+64.21	3.00	686.73	686.79
I	898+74.21	3.00	686.76	686.83
J	898+84.21	3.00	686.79	686.85
K	898+94.21	3.00	686.81	686.86
L	899+04.21	3.00	686.84	686.87
CL Brg. Pier 2	899+17.71	3.00	686.88	686.88
M	899+27.71	3.00	686.90	686.91
N	899+37.71	3.00	686.93	686.94
O	899+47.71	3.00	686.96	686.98
P	899+57.71	3.00	686.99	687.01
Q	899+67.71	3.00	687.01	687.03
CL Brg. E. Abut.	899+78.71	3.00	687.04	687.04
Bk. E. Abut.	899+81.63	3.00	687.05	687.05

* Does not include $\frac{3}{8}$" Thin Polymer Overlay

n:\proj\33841.3.east\design\structural\i-80 over r&s\cad\33841.3-80 N&S 05 Top of Slab Elevations II.dgn

Ciorba Group, Inc.
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FILE NAME =
USER NAME = rdanley
PLOT SCALE =
PLOT DATE = 10/28/2010

DESIGNED - BWS | REVISED -
CHECKED - EKM | REVISED -
DRAWN - RD | REVISED -
CHECKED - SCD | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS II
STRUCTURE NO. 099-0070 (E.B.) & 099-0071 (W.B.)
SHEET NO. S-5 OF S-27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	193
		CONTRACT NO. 60M59		
		ILLINOIS	FED. AID PROJECT	

PROPOSED BEAM D

Location	Station	Offset	Theoretical Grade * Elevations	Theoretical Grade Elevations * Adjusted For Dead Load Deflection
Bk. W. Abut.	897+63.95	9.00	686.59	686.59
CL Brg. W. Abut.	897+66.86	9.00	686.60	686.60
A	897+76.86	9.00	686.62	686.64
B	897+86.86	9.00	686.65	686.67
C	897+96.86	9.00	686.68	686.70
D	898+06.86	9.00	686.70	686.72
E	898+16.86	9.00	686.73	686.73
CL Brg. Pier 1	898+27.86	9.00	686.76	686.76
F	898+37.86	9.00	686.79	686.80
G	898+47.86	9.00	686.81	686.85
H	898+57.86	9.00	686.84	686.90
I	898+67.86	9.00	686.87	686.94
J	898+77.86	9.00	686.90	686.96
K	898+87.86	9.00	686.92	686.97
L	898+97.86	9.00	686.95	686.97
CL Brg. Pier 2	899+11.36	9.00	686.99	686.99
M	899+21.36	9.00	687.01	687.02
N	899+31.36	9.00	687.04	687.05
O	899+41.36	9.00	687.07	687.09
P	899+51.36	9.00	687.09	687.12
Q	899+61.36	9.00	687.12	687.14
CL Brg. E. Abut.	899+72.36	9.00	687.15	687.15
Bk. E. Abut.	899+75.27	9.00	687.16	687.16

P.G. S.N. 099-0070 (E.B.)

Location	Station	Offset	Theoretical Grade * Elevations	Theoretical Grade Elevations * Adjusted For Dead Load Deflection
Bk. W. Abut.	897+59.18	13.50	686.67	686.67
CL Brg. W. Abut.	897+62.09	13.50	686.68	686.68
A	897+72.09	13.50	686.70	686.72
B	897+82.09	13.50	686.73	686.76
C	897+92.09	13.50	686.76	686.78
D	898+02.09	13.50	686.78	686.80
E	898+12.09	13.50	686.81	686.82
CL Brg. Pier 1	898+23.09	13.50	686.84	686.84
F	898+33.09	13.50	686.87	686.89
G	898+43.09	13.50	686.90	686.94
H	898+53.09	13.50	686.92	686.98
I	898+63.09	13.50	686.95	687.02
J	898+73.09	13.50	686.98	687.04
K	898+83.09	13.50	687.00	687.05
L	898+93.09	13.50	687.03	687.06
CL Brg. Pier 2	899+06.59	13.50	687.07	687.07
M	899+16.59	13.50	687.09	687.10
N	899+26.59	13.50	687.12	687.13
O	899+36.59	13.50	687.15	687.17
P	899+46.59	13.50	687.17	687.20
Q	899+56.59	13.50	687.20	687.22
CL Brg. E. Abut.	899+67.59	13.50	687.23	687.23
Bk. E. Abut.	899+70.51	13.50	687.24	687.24

EXISTING BEAM IE (E.B.)

Location	Station	Offset	Theoretical Grade * Elevations	Theoretical Grade Elevations * Adjusted For Dead Load Deflection
Bk. W. Abut.	897+57.59	15.00	686.70	686.70
CL Brg. W. Abut.	897+60.50	15.00	686.70	686.70
A	897+70.50	15.00	686.73	686.75
B	897+80.50	15.00	686.76	686.78
C	897+90.50	15.00	686.78	686.81
D	898+00.50	15.00	686.81	686.83
E	898+10.50	15.00	686.84	686.84
CL Brg. Pier 1	898+21.50	15.00	686.87	686.87
F	898+31.50	15.00	686.90	686.91
G	898+41.50	15.00	686.92	686.96
H	898+51.50	15.00	686.95	687.01
I	898+61.50	15.00	686.98	687.05
J	898+71.50	15.00	687.00	687.07
K	898+81.50	15.00	687.03	687.08
L	898+91.50	15.00	687.06	687.08
CL Brg. Pier 2	899+05.0	15.00	687.09	687.09
M	899+15.0	15.00	687.12	687.12
N	899+25.0	15.00	687.15	687.16
O	899+35.0	15.00	687.17	687.20
P	899+45.0	15.00	687.20	687.23
Q	899+55.0	15.00	687.23	687.25
CL Brg. E. Abut.	899+66.0	15.00	687.26	687.26
Bk. E. Abut.	899+68.92	15.00	687.27	687.27

STAGE CONSTRUCTION LINE (E.B.)

Location	Station	Offset	Theoretical Grade * Elevations	Theoretical Grade Elevations * Adjusted For Dead Load Deflection
Bk. W. Abut.	897+53.62	18.75	686.76	686.76
CL Brg. W. Abut.	897+56.53	18.75	686.77	686.77
A	897+66.53	18.75	686.80	686.81
B	897+76.53	18.75	686.82	686.85
C	897+86.53	18.75	686.85	686.88
D	897+96.53	18.75	686.88	686.89
E	898+06.53	18.75	686.91	686.91
CL Brg. Pier 1	898+17.53	18.75	686.94	686.94
F	898+27.53	18.75	686.96	686.98
G	898+37.53	18.75	686.99	687.03
H	898+47.53	18.75	687.02	687.08
I	898+57.53	18.75	687.04	687.12
J	898+67.53	18.75	687.07	687.14
K	898+77.53	18.75	687.10	687.15
L	898+87.53	18.75	687.12	687.15
CL Brg. Pier 2	899+01.03	18.75	687.16	687.16
M	899+11.03	18.75	687.19	687.19
N	899+21.03	18.75	687.21	687.23
O	899+31.03	18.75	687.24	687.27
P	899+41.03	18.75	687.27	687.29
Q	899+51.03	18.75	687.30	687.31
CL Brg. E. Abut.	899+62.03	18.75	687.33	687.33
Bk. E. Abut.	899+64.95	18.75	687.33	687.33

* Does not include $\frac{3}{8}$" Thin Polymer Overlay

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FILE NAME =	USER NAME = rdanley	DESIGNED - BWS	REVISED -
		CHECKED - EKM	REVISED -
	PLOT SCALE =	DRAWN - RD	REVISED -
	PLOT DATE = 10/28/2010	CHECKED - SCD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS III
STRUCTURE NO. 099-0070 (E.B.) & 099-0071 (W.B.)
SHEET NO. S-6 OF S-27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	194
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

STAGE CONSTRUCTION LINE (W.B.)

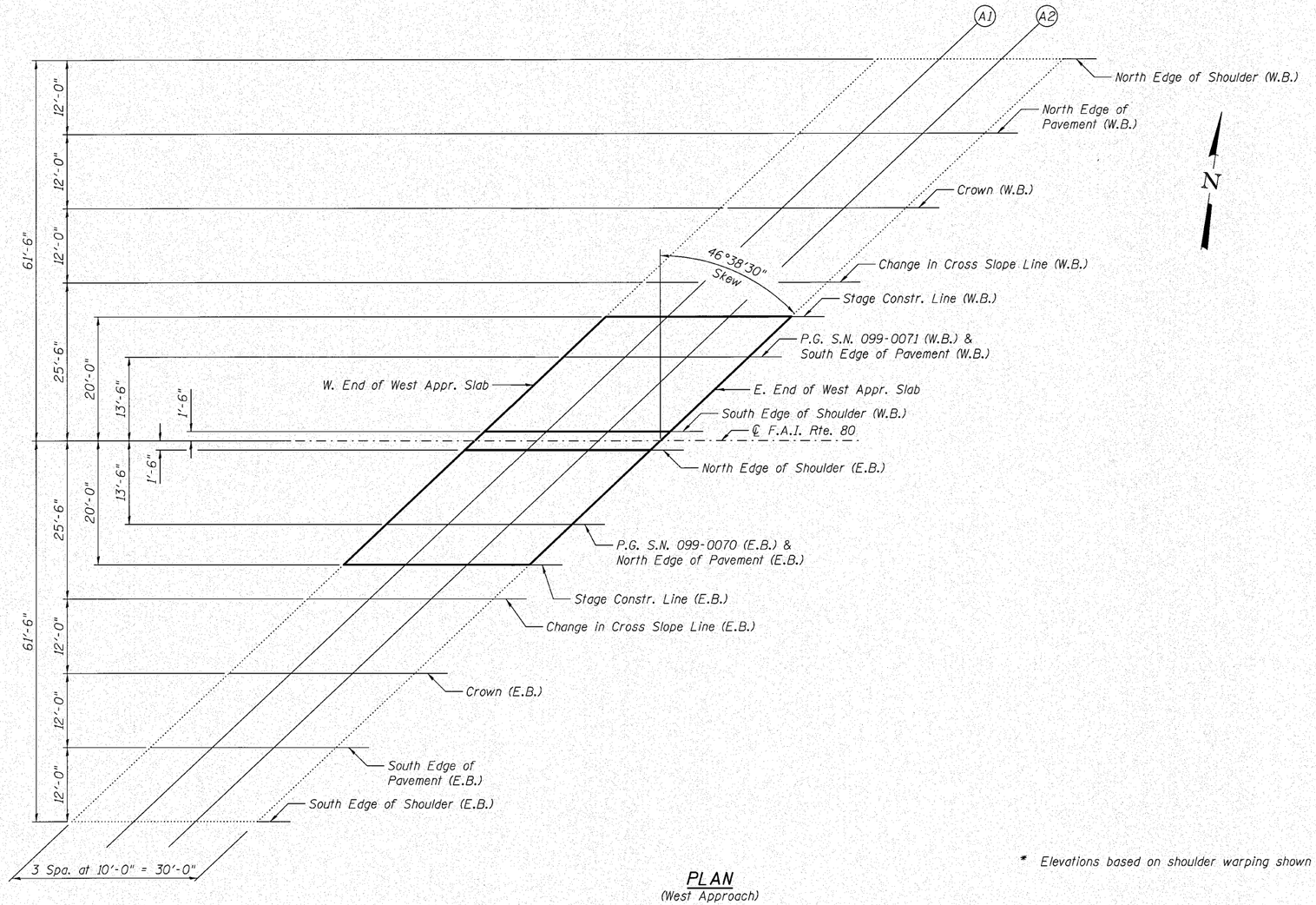
Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr.	897+64.65	-20.00	686.92
A1	897+74.65	-20.00	686.95
A2	897+84.65	-20.00	686.97
E. End of West Appr.	897+94.65	-20.00	687.00

P.G. S.N. 099-0071 (W.B.) & SOUTH EDGE OF PAVEMENT (W.B.)

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr.	897+57.77	-13.50	686.76
A1	897+67.77	-13.50	686.79
A2	897+77.77	-13.50	686.82
E. End of West Appr.	897+87.77	-13.50	686.85

SOUTH EDGE OF SHOULDER (W.B.)

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr.	897+45.06	-1.50	686.48 *
A1	897+55.06	-1.50	686.52 *
A2	897+65.06	-1.50	686.53
E. End of West Appr.	897+75.06	-1.50	686.56



PLAN
(West Approach)

NORTH EDGE OF SHOULDER (E.B.)

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr.	897+41.89	1.50	686.37 *
A1	897+51.89	1.50	686.40 *
A2	897+61.89	1.50	686.43
E. End of West Appr.	897+71.89	1.50	686.45

P.G. S.N. 099-0070 (E.B.) & NORTH EDGE OF PAVEMENT (E.B.)

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr.	897+29.18	13.50	686.59
A1	897+39.18	13.50	686.61
A2	897+49.18	13.50	686.64
E. End of West Appr.	897+59.18	13.50	686.67

STAGE CONSTRUCTION LINE (E.B.)

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr.	897+22.30	20.00	686.70
A1	897+32.30	20.00	686.73
A2	897+42.30	20.00	686.76
E. End of West Appr.	897+52.30	20.00	686.79

* Elevations based on shoulder warping shown in roadway plans & profile sheets.

All elevations are at top of concrete pour and do not include $\frac{3}{8}$" overlay.

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FILE NAME =	USER NAME = rdanley	DESIGNED - BWS	REVISED -
Ciorba Group, Inc. CONSULTING ENGINEERS 5007 North Cumberland Avenue Suite 1107 Chicago, Illinois 60656 Tel 773.775.4700 Fax 773.775.4014 Email chicago@ciorba.com		CHECKED - EKM	REVISED -
	PLOT SCALE =	DRAWN - RD	REVISED -
	PLOT DATE = 10/28/2018	CHECKED - SCD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF WEST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 099-0070 (E.B.) & 099-0071 (W.B.)
SHEET NO. S-7 OF S-27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	195
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

STAGE CONSTRUCTION LINE (W.B.)

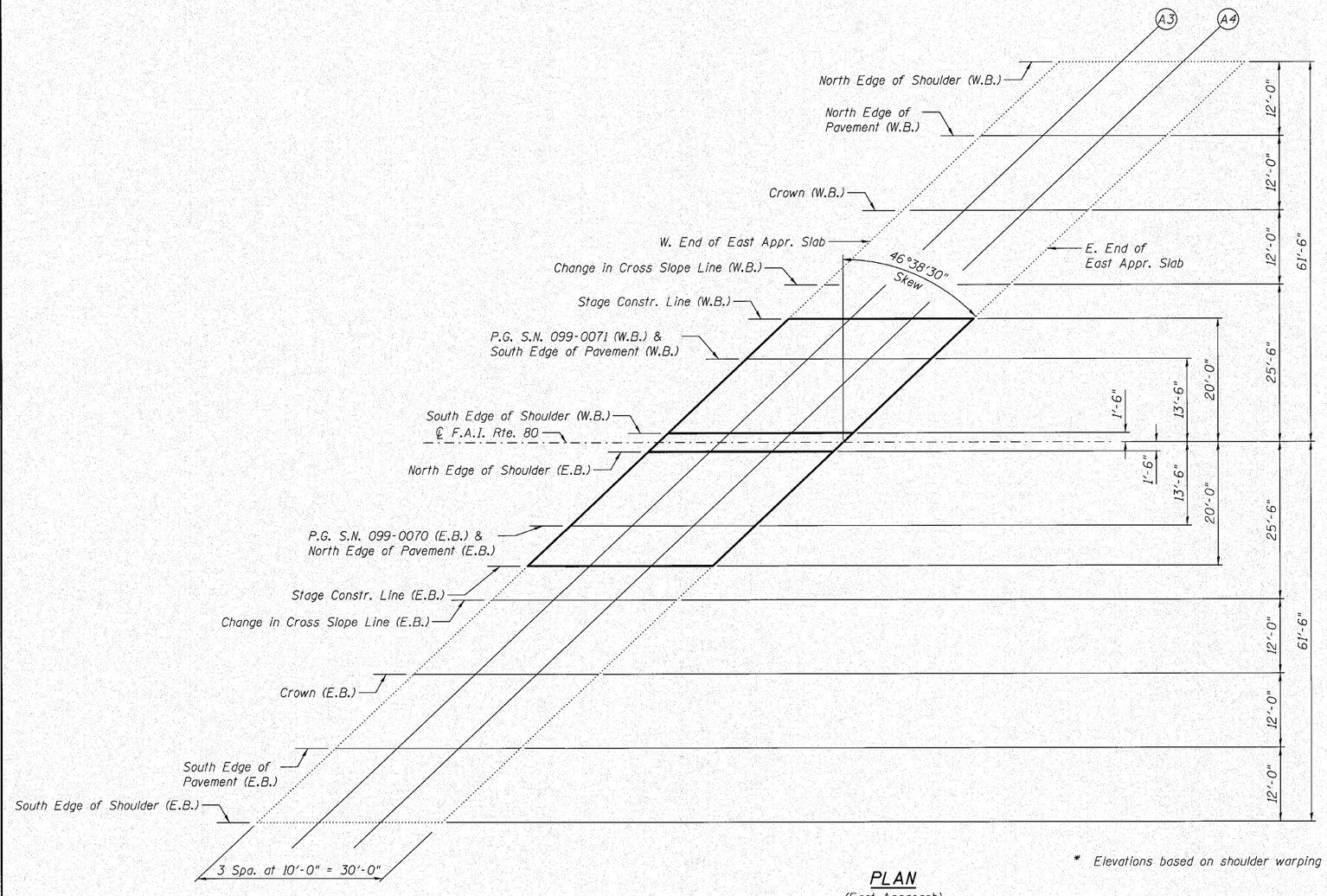
Location	Station	Offset	Theoretical Grade Elevations
W. End of East Appr.	900+05.98	-20.00	687.57
A3	900+15.98	-20.00	687.60
A4	900+25.98	-20.00	687.62
E. End of East Appr.	900+35.98	-20.00	687.65

P.G. S.N. 099-0071 (W.B.) & SOUTH EDGE OF PAVEMENT (W.B.)

Location	Station	Offset	Theoretical Grade Elevations
W. End of East Appr.	899+99.10	-13.50	687.42
A3	900+09.10	-13.50	687.44
A4	900+19.10	-13.50	687.47
E. End of East Appr.	900+29.10	-13.50	687.50

SOUTH EDGE OF SHOULDER (W.B.)

Location	Station	Offset	Theoretical Grade Elevations
W. End of East Appr.	899+86.39	-1.50	687.13
A3	899+96.39	-1.50	687.16
A4	900+06.39	-1.50	687.13 *
E. End of East Appr.	900+16.39	-1.50	686.07 *



PLAN
(East Approach)

NORTH EDGE OF SHOULDER (E.B.)

Location	Station	Offset	Theoretical Grade Elevations
W. End of East Appr.	899+83.21	1.50	687.02
A3	899+93.21	1.50	687.05
A4	900+03.21	1.50	687.06 *
E. End of East Appr.	900+13.21	1.50	687.01 *

P.G. S.N. 099-0070 (E.B.) & NORTH EDGE OF PAVEMENT (E.B.)

Location	Station	Offset	Theoretical Grade Elevations
W. End of East Appr.	899+70.51	13.50	687.24
A3	899+80.51	13.50	687.27
A4	899+90.51	13.50	687.29
E. End of East Appr.	900+00.51	13.50	687.32

STAGE CONSTRUCTION LINE (E.B.)

Location	Station	Offset	Theoretical Grade Elevations
W. End of East Appr.	899+63.62	20.00	687.36
A3	899+73.62	20.00	687.38
A4	899+83.62	20.00	687.41
E. End of East Appr.	899+99.62	20.00	687.44

* Elevations based on shoulder warping shown in roadway plans & profile sheets.

All elevations are at top of concrete pour and do not include $\frac{3}{8}$" overlay.

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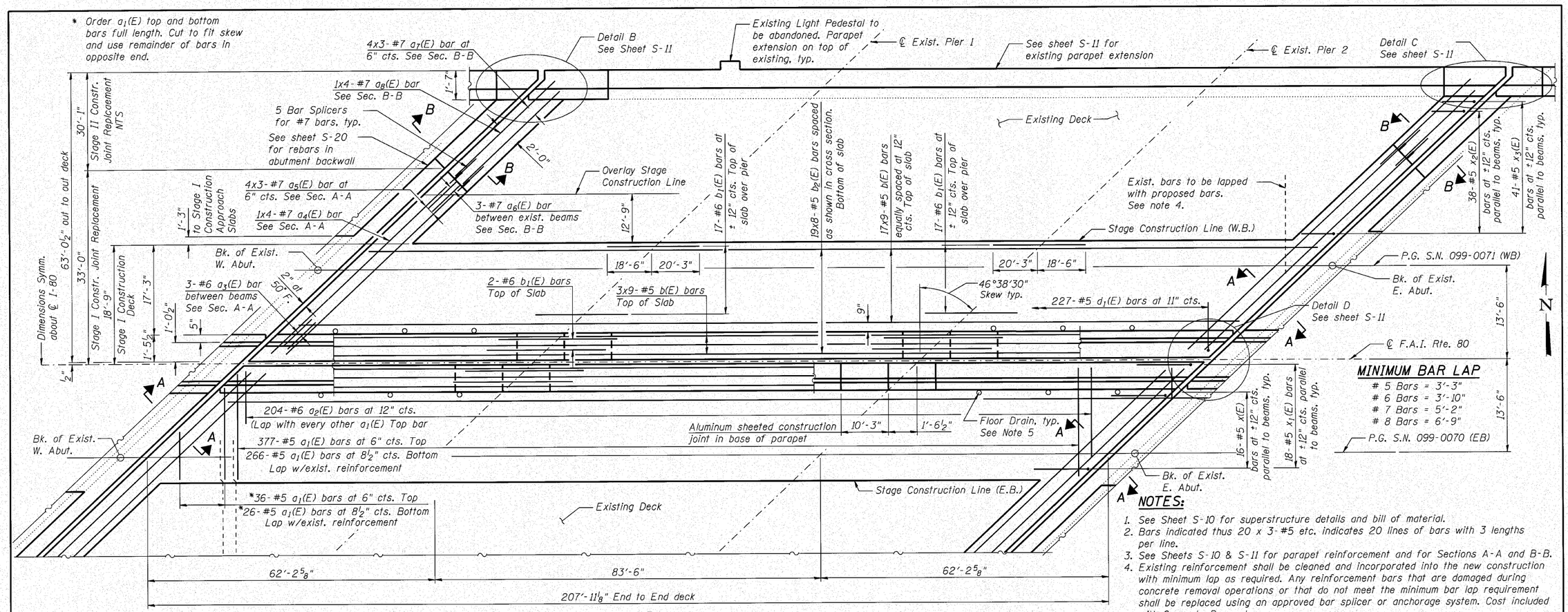
FILE NAME =	USER NAME = rdanley	DESIGNED - BWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOP OF EAST APPROACH SLAB ELEVATIONS STRUCTURE NO. 099-0070 (E.B.) & 099-0071 (W.B.)
Clorba Group, Inc. CONSULTING ENGINEERS 5001 North Cumberland Avenue Suite 400 - Chicago, Illinois 60656 Tel: 773.775.2400 Fax: 773.775.2410 Email: clorba@clorba.com		CHECKED - EKM	REVISED -		SHEET NO. S-8 OF S-27 SHEETS
	PLOT SCALE =	DRAWN - RD	REVISED -		
	PLOT DATE = 10/26/2018	CHECKED - SCD	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	196
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

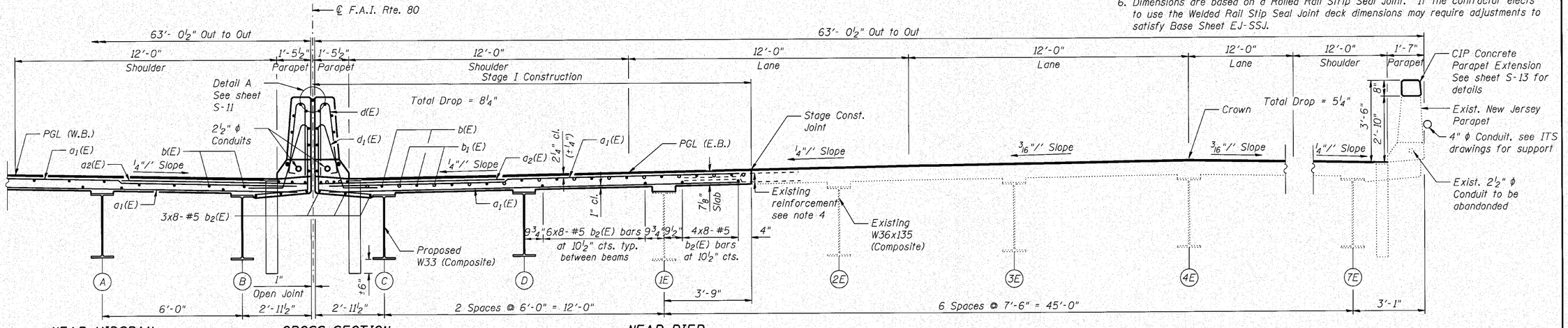


PLAN

Bars shown on one side of ℄ of I-80 valid for opposite side of I-80.

NOTES:

1. See Sheet S-10 for superstructure details and bill of material.
2. Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
3. See Sheets S-10 & S-11 for parapet reinforcement and for Sections A-A and B-B.
4. Existing reinforcement shall be cleaned and incorporated into the new construction with minimum lap as required. Any reinforcement bars that are damaged during concrete removal operations or that do not meet the minimum bar lap requirement shall be replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.
5. For floor drain spacing see sheet S-1 and for additional reinforcement see Detail E on Sheet S-10.
6. Dimensions are based on a Rolled Rail Strip Seal Joint. If the contractor elects to use the Welded Rail Stip Seal Joint deck dimensions may require adjustments to satisfy Base Sheet EJ-SSJ.



NEAR MIDSPAN — CROSS SECTION (Looking East) — NEAR PIER

FILE NAME =	USER NAME = rdanley	DESIGNED - BWS	REVISED -
Ciorba Group, Inc. CONSULTING ENGINEERS 2905 North Cumberland Avenue Chicago, Illinois 60656 Tel: 773.775.4000 Fax 773.775.4514 E-mail: ch.cago@ciorba.com		CHECKED - EKM	REVISED -
	PLOT SCALE =	DRAWN - RD	REVISED -
	PLOT DATE = 10/28/2010	CHECKED - SCD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE PLAN
STRUCTURE NO. 099-0070 (E.B.) & 099-0071 (W.B.)
SHEET NO. S-9 OF S-27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	197
		CONTRACT NO. 60M59		
		ILLINOIS FED. AID PROJECT		

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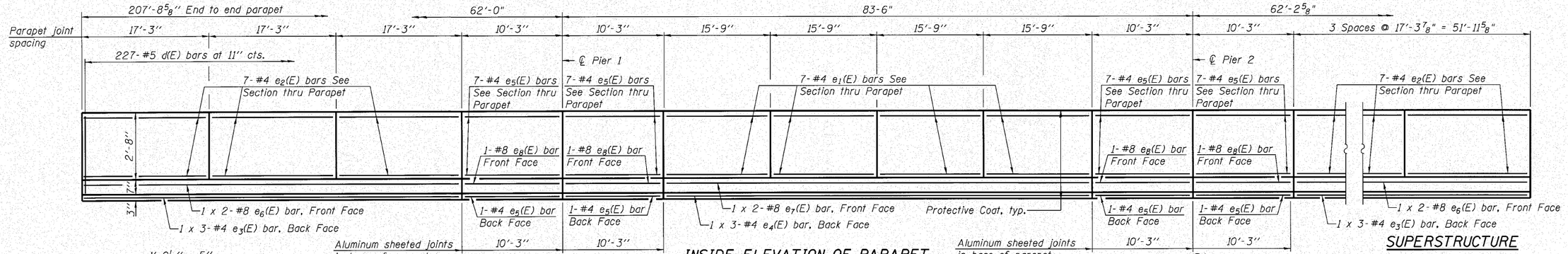
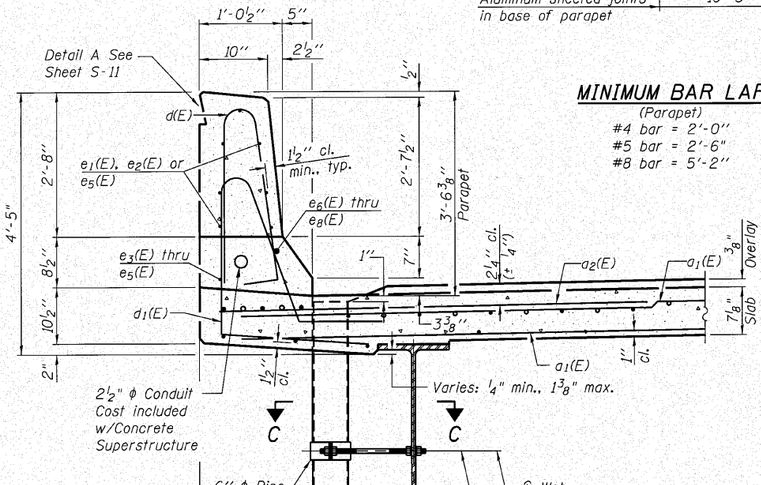


INSIDE ELEVATION OF PARAPET

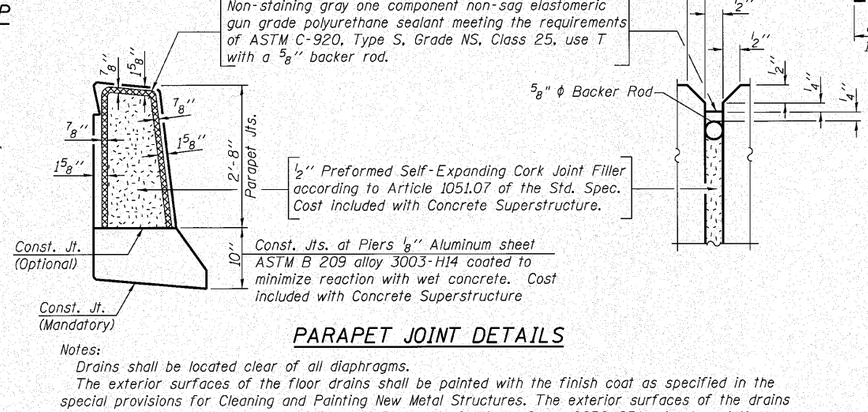
NORTH PARAPET S.N. 099-0070 SHOWN
SOUTH PARAPET S.N. 099-0071 SIMILAR



SECTION THRU PARAPET

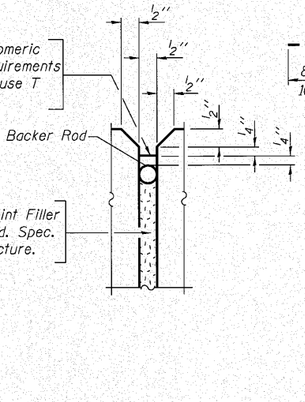
MINIMUM BAR LAP

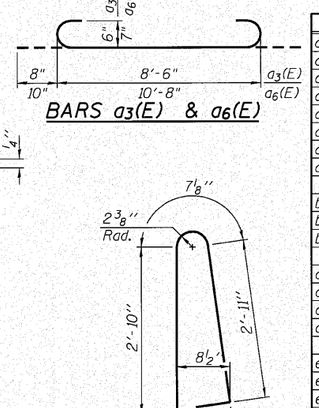
(Parapet)
#4 bar = 2'-0"
#5 bar = 2'-6"
#8 bar = 5'-2"



PARAPET JOINT DETAILS

Notes:
Drains shall be located clear of all diaphragms.
The exterior surfaces of the floor drains shall be painted with the finish coat as specified in the special provisions for Cleaning and Painting New Metal Structures. The exterior surfaces of the drains shall be cleaned according to the Society of Protective Coating's Spec. SSPC-SP1 prior to painting.
Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
Galvanize clamping device according to AASHTO M232. Cost of clamping device and inserts is included with Floor Drains.

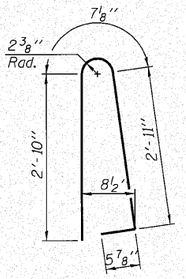




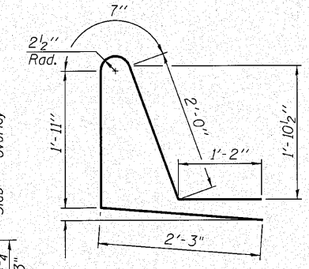
BARS a3(E) & a6(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$a_1(E)$	1410	#5	18'-4"	
$a_2(E)$	408	#6	6'-6"	
$a_3(E)$	24	#6	9'-10"	
$a_4(E)$	16	#7	15'-11"	
$a_5(E)$	48	#7	19'-5"	
$a_6(E)$	72	#7	12'-4"	
$a_7(E)$	48	#7	19'-1"	
$a_8(E)$	16	#7	14'-10"	
$b(E)$	360	#5	26'-0"	
$b_1(E)$	76	#6	38'-9"	
$b_2(E)$	304	#5	28'-10"	
$d(E)$	490	#5	6'-10"	
$d_1(E)$	454	#5	7'-11"	
$d_2(E)$	440	#5	1'-9"	
$d_3(E)$	440	#4	1'-4"	
$e_1(E)$	88	#4	15'-5"	
$e_2(E)$	132	#4	17'-0"	
$e_3(E)$	12	#4	18'-5"	
$e_4(E)$	6	#4	22'-3"	
$e_5(E)$	96	#4	9'-11"	
$e_6(E)$	8	#8	28'-4"	
$e_7(E)$	4	#8	33'-11"	
$e_8(E)$	8	#8	9'-11"	
$e_9(E)$	16	#4	11'-2"	
$x(E)$	64	#5	6'-5"	
$x_1(E)$	72	#5	4'-1"	
$x_2(E)$	152	#5	3'-1"	
$x_3(E)$	164	#5	3'-2"	
$x_4(E)$	48	#5	2'-0"	
Reinforcement Bars, Epoxy Coated		Pound	76,110	
Concrete Superstructure		Cu. Yds.	285.1	
Bar Splicers		Each	20	
Protective Coat		Sq. Yds.	484	
Structural Repair of Concrete (Depth Equal to or Less than 5")		Sq. Ft.	2	
Bridge Deck Thin Polymer Overlay 3/8"		Sq. Yd.	2,720	
Concrete Bridge Deck Scarification 3/8"		Sq. Yd.	1,937	

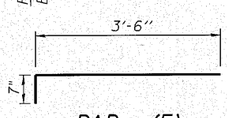


BAR d(E)

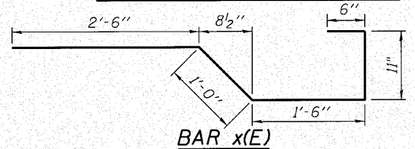


BAR d1(E)

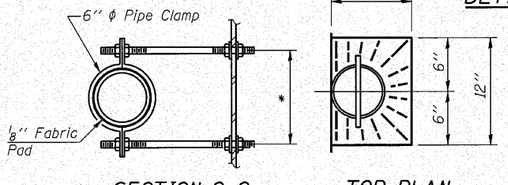
Bars indicated thus 1 x 3-#8 etc. indicates 1 line of bars with 3 lengths per line.



BAR x1(E)

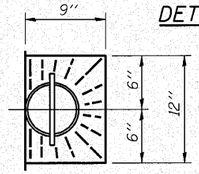


BAR x(E)

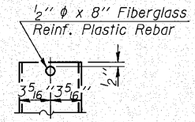


SECTION C-C

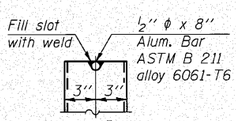
* Dimension as required by Pipe Clamp



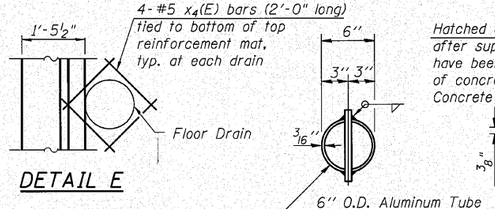
TOP PLAN



FIBERGLASS PIPE



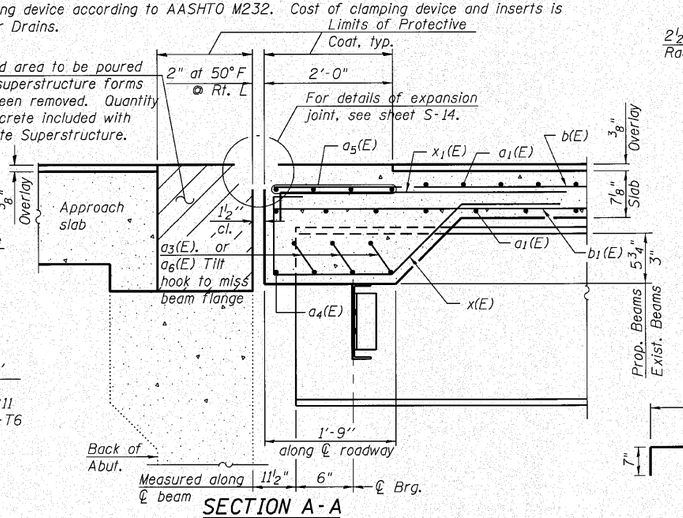
ALUMINUM TUBE



DETAIL E

TOP PLAN

(Showing Aluminum Tube)



SECTION A-A

n:\proj\33841\3_east\design\structure\vi-80 over n&s\cad\33841_I-80 N&S 10 Superstr Details 1.dgn

Cierba Group, Inc.
CONSULTING ENGINEERS
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FILE NAME =	USER NAME = rdanley	DESIGNED - BWS	REVISED -
		CHECKED - EKM	REVISED -
	PLOT SCALE =	DRAWN - RD	REVISED -
	PLOT DATE = 10/28/2010	CHECKED - SCD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS I
STRUCTURE NO. 099-0070 (E.B.) & 099-0071 (W.B.)
SHEET NO. S-10 OF S-27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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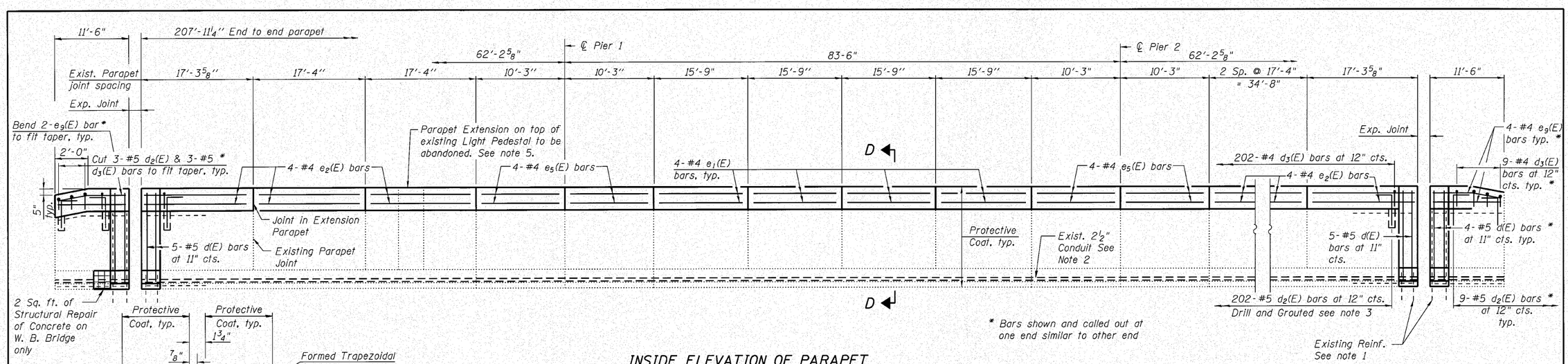
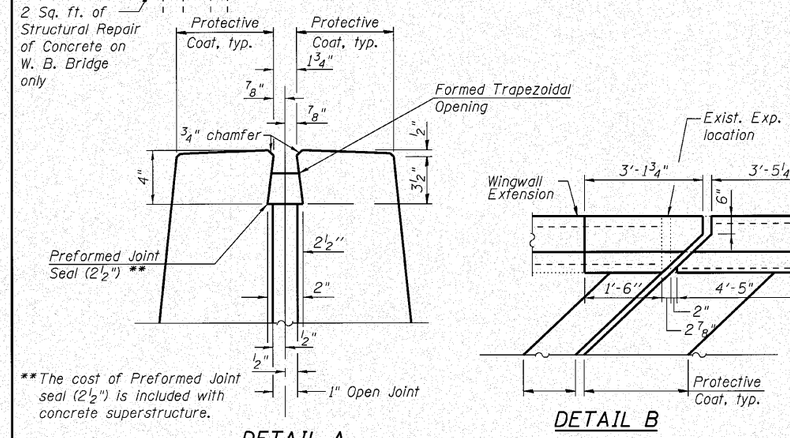
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			



INSIDE ELEVATION OF PARAPET

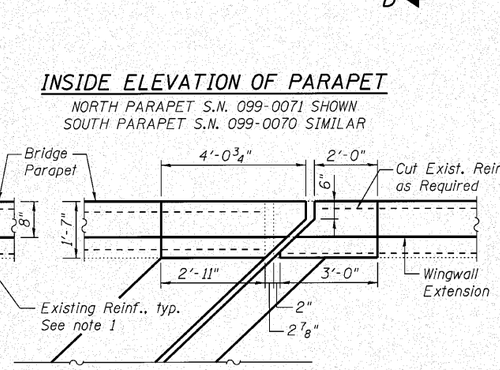
NORTH PARAPET S.N. 099-0071 SHOWN
SOUTH PARAPET S.N. 099-0070 SIMILAR



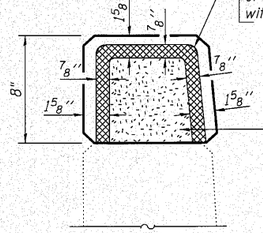
** The cost of Preformed Joint seal (2½") is included with concrete superstructure.

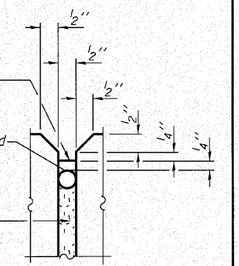
DETAIL A

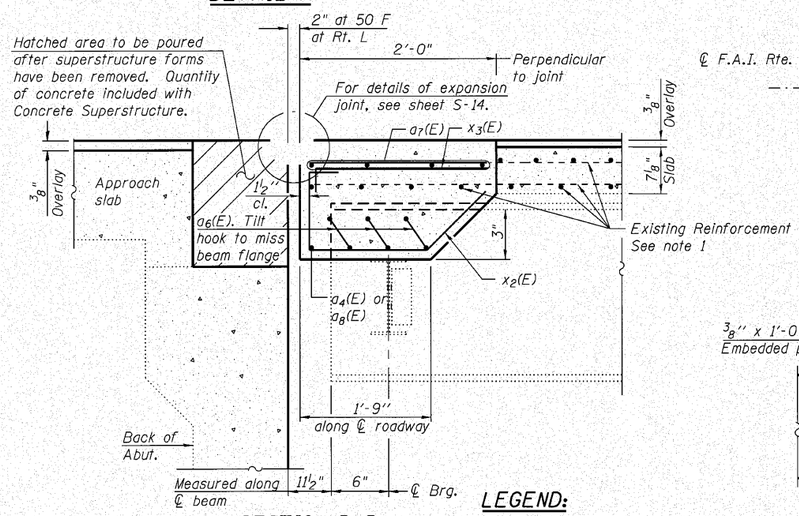
DETAIL B



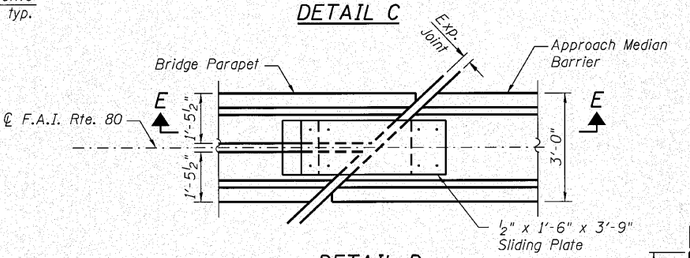
DETAIL C





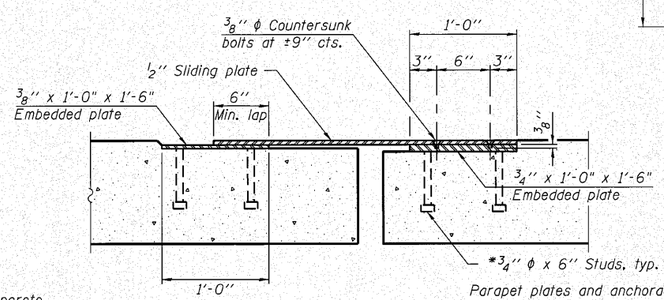


SECTION B-B



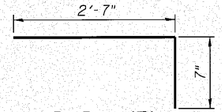
DETAIL D

See Sheet S-9 for Location

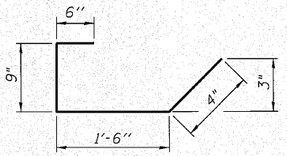


Parapet plates and anchorage studs included in the cost of Concrete Superstructure

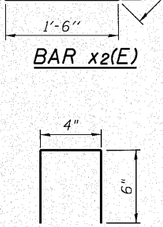
SECTION E-E



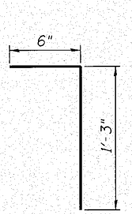
BAR x3(E)



BAR x2(E)

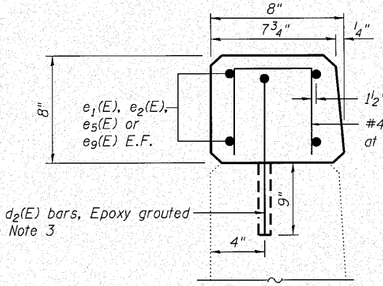


BAR d3(E)



BAR d2(E)

PARAPET EXTENSION DETAILS



SECTION D-D

NOTE:

1. Exsiting reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
2. Existing 2½" ϕ conduit in parapet to be capped and abandoned.
3. Drilling and grouting bars according to Section 584 of the Standard Specifications. Cost included with Reinforcement Bars, Epoxy Coated.
4. Work this sheet with sheet S-9.
5. Existing anchor bolts shall be cut off at 5" max. from top of modified parapet. Cost included with Concrete Superstructure.

LEGEND:

Structural Repair of Concrete

FILE NAME = r:\proj\3384\3_east\design\structural\i-80 over n&s\cad\3384_I-80 N&S 11 Superstr Details 11.dgn

Clorba Group, Inc. CONSULTING ENGINEERS 5001 West Division and Riverside Rockford, Illinois 61107 Ph. 779.776.4099 Fax 779.776.4014 Email chicago@clorba.com

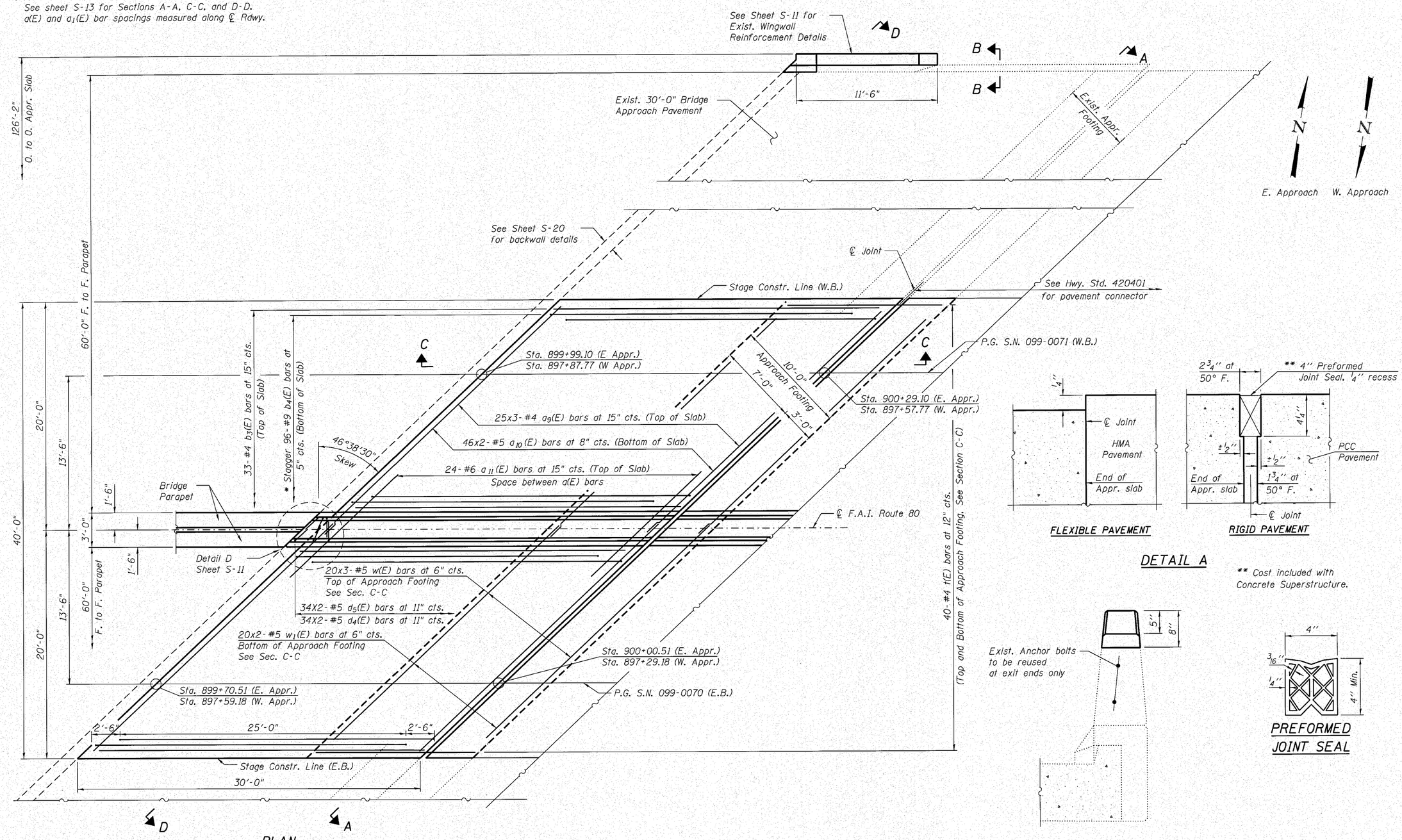
USER NAME = rdonley	DESIGNED - BWS	REVISED -
	CHECKED - EKM	REVISED -
PLOT SCALE =	DRAWN - RD	REVISED -
PLOT DATE = 10/28/2010	CHECKED - SCD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS II
STRUCTURE NO. 099-0070 (E.B.) & 099-0071 (W.B.)
SHEET NO. S-11 OF S-27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99(5&5-1) Y-1	WILL	309	199
		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			

Notes:
See sheet S-13 for Sections A-A, C-C, and D-D.
a(E) and a_1(E) bar spacings measured along ℄ Rdwy.



PLAN

* Tilt #9 b_4(E) bars as required to maintain clearance.

N E. Approach

N W. Approach

FLEXIBLE PAVEMENT

RIGID PAVEMENT

DETAIL A

** Cost included with Concrete Superstructure.

VIEW B-B

PREFORMED JOINT SEAL

n:\proj\3384\3_east\design\structural\I-80 over R&S\cad\3384_I-80 N&S 12 Approach Slab Details 1.dgn

FILE NAME =	USER NAME = rdanley	DESIGNED - BWS	REVISED -
Clarke Group, Inc. CONSULTING ENGINEERS 1081 North Cumberland Avenue Suite #201 Chicago, Illinois 60656 Tel 773.775.4000 Fax 773.775.4014 Email: chicago@clarke.com		CHECKED - EKM	REVISED -
	PLOT SCALE =	DRAWN - RD	REVISED -
	PLOT DATE = 10/28/2010	CHECKED - SCD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS I
STRUCTURE NO. 099-0070 (E.B.) & 099-0071 (W.B.)
SHEET NO. S-12 OF S-27 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 60M59		
	ILLINOIS FED. AID PROJECT			