STRUCTURE TABLE

NO.	STATION	OFFSET	TYPE	FRAME	FST	RIM	N. INV.	E. INV.	S. INV.	W. INV.
1	483+70	30.0' LT	INL-A	T-24		872.77			869.24	
2	483+70	30.0' RT	CB-A4	T-24	•	872.77	868.95		868.95	
3	483+70	48.0' RT	FES 12	--		--	868.90			
4	485+00	48.0' LT	ES D24-1.5	--		--			867.26	
~~5~~	~~485+00~~	~~37.5' RT~~	~~MH A5~~	~~1-CL~~	~~•~~	~~871.3~~	~~867.13~~	~~867.13~~	~~867.13~~	~~867.13~~
6	485+00	48.0' RT	ES D24-1.5	--		--	867.11			
7	485+25	30.0' LT	INL-A	T-24		872.11			868.79	
8	485+25	30.0' RT	CB-A4	T-24	•	872.11	868.50		867.28	
9	485+25	48.0' RT	FES 12	--		--	867.23			
10	486+80	30.0' LT	INL-A	T-24		871.44			868.34	
11	486+80	30.0' RT	CB-A4	T-24	•	871.44	868.05		868.05	
12	486+80	48.0' RT	FES 12	--		--	868.00			
13	488+35	30.0' RT	INL-A	T-24		870.78	866.92			
14	488+35	30.0' LT	CB-A4	T-24	•	870.78	866.63		866.63	
15	488+35	37.5' LT	MH-A4	1-CL	•	870.0		866.61	866.61	

STRUCTURE TABLE

NO.	STATION	OFFSET	TYPE	FRAME	FST	RIM	N. INV.	E. INV.	S. INV.	W. INV.
16	489+90	30.0' RT	INL-A	T-24		870.11	866.14			
17	489+90	30.0' LT	CB-A4	T-24	•	870.11	865.85		865.85	
18	489+90	37.5' LT	MH-A4	1-CL	•	869.4		865.83	865.83	865.83
19	490+00	48.0' LT	FES 12	--		--				865.80
20	490+75	45.0' RT	ES D24-1.5	--		--	865.25			
21	490+75	48.0' LT	ES D24-1.5	--		--			863.70	
22	491+45	30.0' RT	INL-A	T-24		869.44	865.01			
23	491+45	30.0' LT	CB-A4	T-24	•	869.44	864.72		864.72	
24	491+45	37.5' LT	MH-A4	1-CL	•	868.7		864.70	864.70	
25	493+00	30.0' RT	INL-A	T-24		868.78	864.28			
26	493+00	30.0' LT	CB-A4	T-24	•	868.78	863.98		863.98	
27	493+00	37.5' LT	MH-A4	1-CL	•	868.9		863.94	863.94	863.94
28	494+55	30.0' RT	INL-A	T-24		868.11	863.61			
29	494+55	30.0' LT	CB-A4	T-24	•	868.11	863.31		863.31	
30	494+55	37.5' LT	MH-A4	1-CL	•	867.4		863.27	863.27	863.27
~~120~~	~~494+45~~	~~46.0' RT~~	~~FES 15~~							~~866.26~~
~~121~~	~~494+95~~	~~46.0' RT~~	~~FES 15~~					~~865.96~~		

PIPE TABLE

NO.	TYPE	UPSTREAM STATION	DOWNSTREAM STATION	MAT.	SIZE	SLOPE	LIN. FT.	TBF (CYD)
1	SS-T1-A	483+70 30.0 LT	483+70 30.0 RT	RCP	12"	0.50%	57'	8
2	SS-T1-A	483+70 30.0 RT	483+70 48.0 RT	RCP	12"	0.50%	10'	1
~~3~~	~~SS-T1-A~~	~~483+70 37.5 RT~~	~~485+00 37.5 RT~~	~~RCP~~	~~12"~~	~~0.62%~~	~~126'~~	
4	SS-T1-A	485+25 30.0 LT	485+25 30.0 RT	RCP	12"	0.50%	57'	8
5	SS-T1-A	485+25 30.0 RT	485+25 48.0 RT	RCP	12"	0.50%	10'	1
~~6~~	~~SS-T1-A~~	~~485+25 37.5 RT~~	~~485+00 37.5 RT~~	~~RCP~~	~~12"~~	~~0.56%~~	~~21'~~	
7	PC-T1-A	485+00 48.0 LT	485+00 48.0 RT	RCP	24"	0.17%	92'	23
~~8~~	~~SS-T1-A~~	~~485+00 37.5 RT~~	~~485+00 48.0 RT~~	~~RCP~~	~~24"~~	~~0.18%~~	~~6'~~	
9	SS-T1-A	486+80 30.0 LT	486+80 30.0 RT	RCP	12"	0.50%	57'	8
10	SS-T1-A	486+80 30.0 RT	486+80 48.0 RT	RCP	12"	0.50%	10'	1
~~11~~	~~SS-T1-A~~	~~486+80 37.5 LT~~	~~488+35 37.5 LT~~	~~RCP~~	~~12"~~	~~0.43%~~	~~151'~~	
12	SS-T1-A	488+35 30.0 RT	488+35 30.0 LT	RCP	12"	0.50%	57'	9
13	SS-T1-A	488+35 30.0 LT	488+35 37.5 LT	RCP	12"	0.60%	4'	1
14	SS-T1-A	488+35 37.5 LT	489+90 37.5 LT	RCP	12"	0.50%	151'	--

PIPE TABLE

NO.	TYPE	UPSTREAM STATION	DOWNSTREAM STATION	MAT.	SIZE	SLOPE	LIN. FT.	TBF (CYD)
15	SS-T1-A	489+90 30.0 RT	489+90 30.0 LT	RCP	12"	0.50%	57'	9
16	SS-T1-A	489+90 30.0 LT	489+90 37.5 LT	RCP	12"	0.60%	4'	1
17	SS-T1-A	489+90 37.5 LT	490+00 48.0 LT	RCP	12"	0.50%	6'	--
18	SS-T1-A	491+45 30.0 RT	491+45 30.0 LT	RCP	12"	0.50%	57'	12
19	SS-T1-A	491+45 30.0 LT	491+45 37.5 LT	RCP	12"	0.60%	4'	1
20	SS-T1-A	491+45 37.5 LT	493+00 37.5 LT	RCP	12"	0.50%	151'	--
21	PC-T1-A	490+75 45.0 RT	490+75 48.0 LT	RCP	24"	1.74%	89'	25
~~22~~	~~SS-T1-A~~	~~490+75 37.5 LT~~	~~490+75 48.0 LT~~	~~RCP~~	~~24"~~	~~0.91%~~	~~6'~~	
23	SS-T1-A	493+00 30.0 LT	493+00 30.0 LT	RCP	12"	0.50%	57'	13
24	SS-T1-A	493+00 30.0 LT	493+00 37.5 LT	RCP	12"	1.10%	4'	1
25	SS-T1-A	493+00 37.5 LT	494+55 37.5 LT	RCP	15"	0.44%	151'	--
26	SS-T1-A	494+55 30.0 RT	494+55 30.0 LT	RCP	12"	0.50%	57'	13
27	SS-T1-A	494+55 30.0 LT	494+55 37.5 LT	RCP	12"	1.10%	4'	1
28	SS-T1-A	494+55 37.5 LT	496+10 37.5 LT	RCP	18"	0.44%	151'	--
~~120~~	~~PC-T1-D~~	~~494+45 46.0 RT~~	~~494+95 46.0 RT~~	~~RCP~~	~~15"~~	~~0.60%~~	~~38'~~	~~5~~

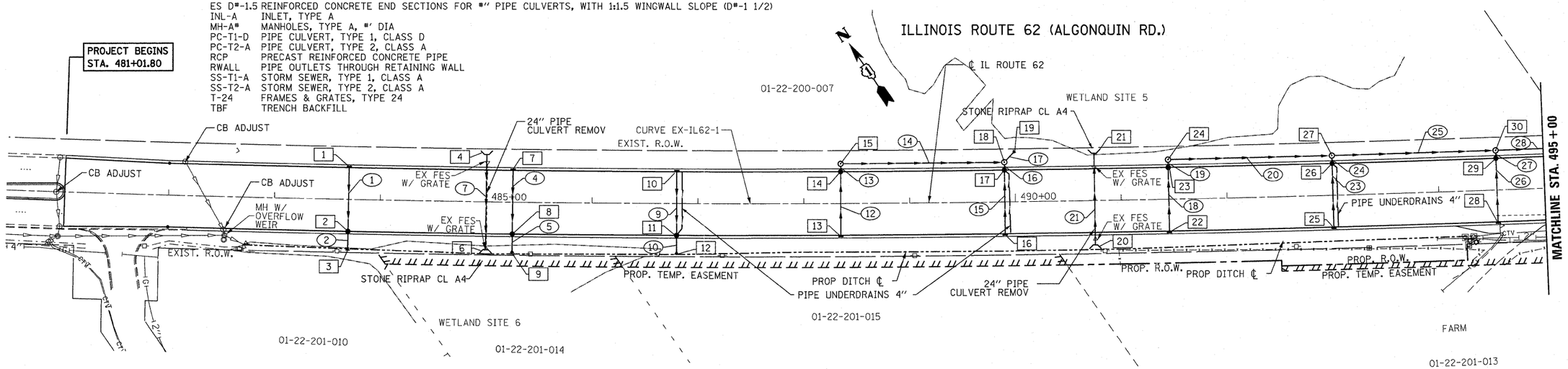
ABBREVIATIONS

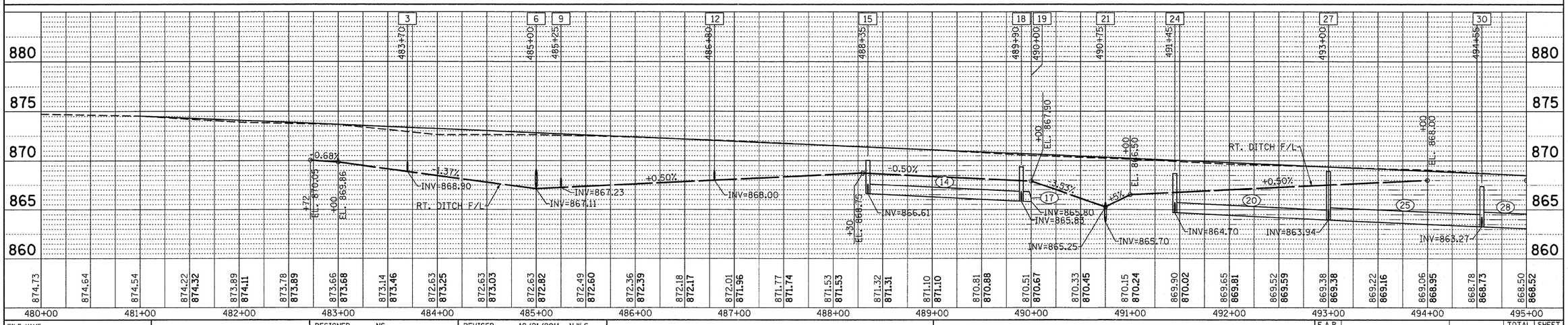
1-CL	FRAMES & LIDS, TYPE 1, CLOSED LID
CB-A4	CATCH BASINS, TYPE A, 4' DIA
FES 15	PRECAST REINFORCED CONCRETE FLARED END SECTION, 15"
FST	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
ES D#-1.5	REINFORCED CONCRETE END SECTIONS FOR #" PIPE CULVERTS, WITH 1:1.5 WINGWALL SLOPE (D#-1 1/2)
INL-A	INLET, TYPE A
MH-A#	MANHOLES, TYPE A, #' DIA
PC-T1-D	PIPE CULVERT, TYPE 1, CLASS D
PC-T2-A	PIPE CULVERT, TYPE 2, CLASS A
RCP	PRECAST REINFORCED CONCRETE PIPE
RWALL	PIPE OUTLETS THROUGH RETAINING WALL
SS-T1-A	STORM SEWER, TYPE 1, CLASS A
SS-T2-A	STORM SEWER, TYPE 2, CLASS A
T-24	FRAMES & GRATES, TYPE 24
TBF	TRENCH BACKFILL

STORM SEWER KEY

10 DRAINAGE STRUCTURE NUMBER

(10) STORM SEWER NUMBER





FILE NAME = ...\0160135-sht-drain_01.dgn	Primera	DESIGNED NS	REVISED - 10/21/2011 N.W.S.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 62 (ALGONQUIN RD.) FROM EASTING'S WAY TO PENNY RD. DRAINAGE & UTILITIES PLAN AND PROFILE
		DRAWN NS	REVISED -		
		CHECKED SF	REVISED -		
		DATE JUNE 30, 2011	REVISED -		SCALE: 1"=50' · SHEET NO. 1 OF 4 SHEETS · STA. 481+00 TO STA. 495+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	116 Y-1-R-1	COOK	122	28
		CONTRACT NO. 60I35		
		ILLINOIS FED. AID PROJECT		

PLAN — NOTE BOOK NO. ___ — SURVEYED / PLOTTED / ALIGNMENT CHECKED / CADD FILE NAME ___ — BY — DATE

PROFILE — NOTE BOOK NO. ___ — SURVEYED / PLOTTED / GRADES CHECKED / CADD FILE NAME / STRUCTURE NOTATNS CHKD — BY — DATE