

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	11 RS-1	SCHUYLER	86	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PROPOSED
HIGHWAY PLANS**

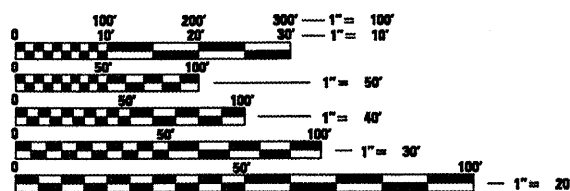
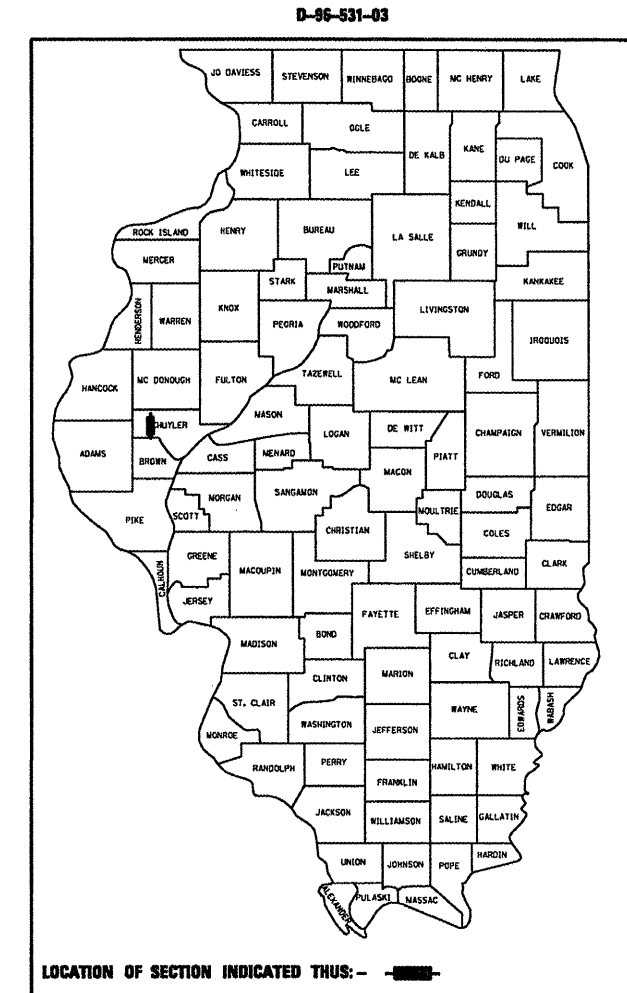
FOR INDEX OF SHEETS, SEE SHEET NO. 2

HIGHWAY CLASSIFICATION

FAP 550
FUNCTIONAL CLASS - MINOR ARTERIAL
ADT (2009) - 550
ADT (2030) - 675
PV - 88.0%
SU - 8.0%
MU - 4.0%

FAP ROUTE 550 (IL 99)
SECTION (9,10)I; 11(RS-1, BI)

TYPE of IMPROVEMENT - 3P RESURFACING
CULVERT EXTENSION, BRIDGE JOINT REPAIR
SCHUYLER COUNTY
C-96-548-04

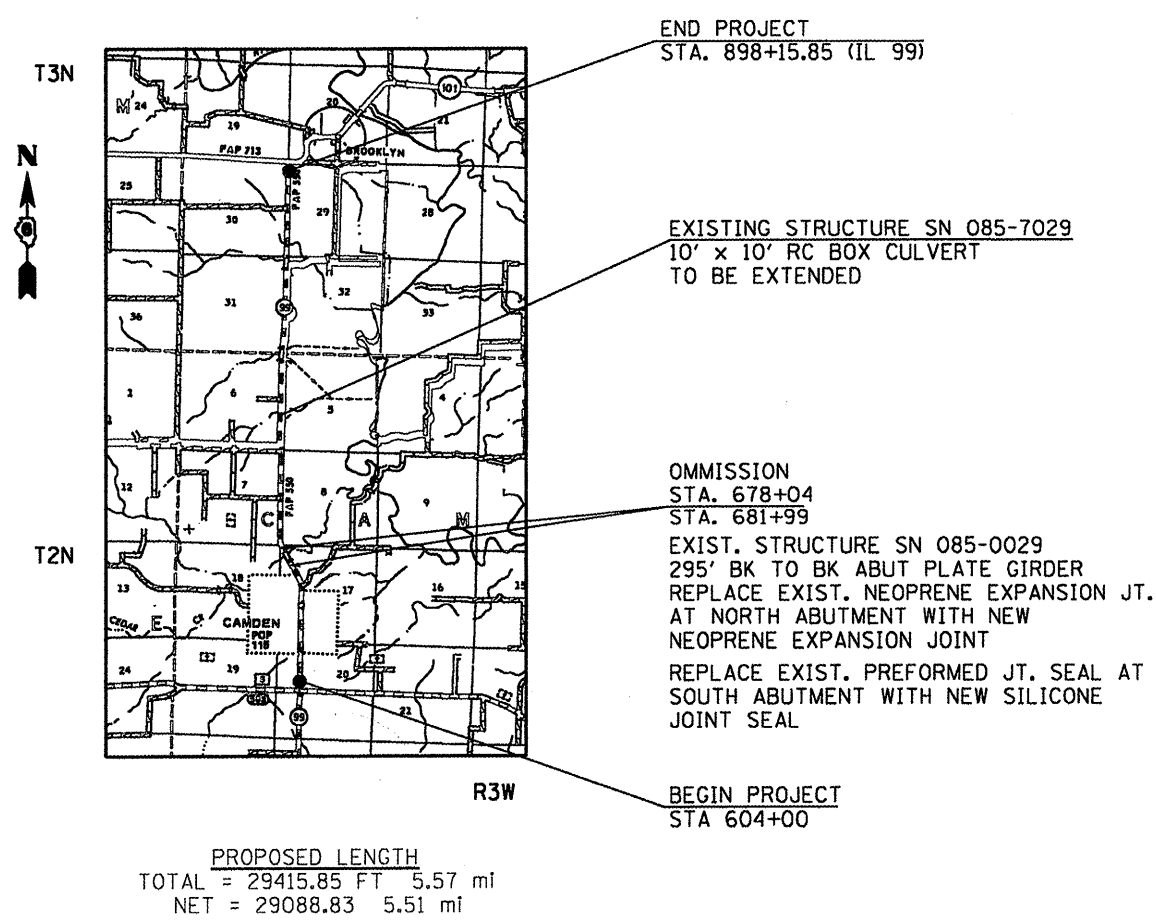


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

PROJECT ENGINEER JOHN NEGANGARD (217)-782-6990
PROJECT MANAGER VICTOR YOUNG (217)-557-7897

CONTRACT NO. 72802



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED April 5 2010
Ryan J. Dink DISTRICT ENGINEER
May 7 2010
Scott E. Still PE ENGINEER OF DESIGN AND ENVIRONMENT
May 7 2010
Christine M. Reed DIRECTOR, DIVISION OF HIGHWAYS

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MIXTURE USE(S):	HMA SURFACE	LEVELING BINDER	INCIDENTAL HMA SURFACING	BINDER	SHOULDERS	PATCHING
PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 58-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	2.0% @ N30	4.0% @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 9.5	IL 9.5 OR 12.5	IL 19.0	BAM	IL 19.0
FRICTION AGGREGATE	MIX C	N/A	MIX C	N/A	N/A	N/A

EXAMINED MARCH 31 20 10
[Signature]
 PROGRAM IMPLEMENTATION ENGINEER

GENERAL NOTES

1. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED AGENT, OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUB-SECTION MONUMENT DESTROYED BY HIS OPERATIONS.

2. IN ADDITION TO FIELD SURVEYS AND AERIAL SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION DUE TO CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

3. THE STATE PLANE COORDINATE SYSTEM HAS BEEN USED FOR THE HORIZONTAL CONTROL.

4. SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED RIGHT-OF-WAY OR EASEMENT LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

5. THE DISTRICT BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS. PH: (217) 782-7314.

6. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE PROVISIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER PERMIT AND IMPLEMENT THE EROSION CONTROL PLAN INCLUDED IN THESE PLANS AND SPECIFIED HEREIN. AS SPECIFIED IN ARTICLE 107.23, THE ENGINEER MUST GIVE PRIOR APPROVAL BEFORE DISTURBANCE OF ANY AREA CAN BEGIN.

7 ALL ELEVATIONS SHOWN IN THE PLANS ARE U. S. G. S. MEAN SEA LEVEL DATUM.

8 ANY REFERENCE TO THE STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS INCLUDED IN THE PLANS.

9 THE LOCATION OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS (800) 892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED, SEE SPECIAL PROVISIONS FOR STATUS OF UTILITIES, WITH UTILITY COMPANIES LISTED.

10 THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT CONSIDERED INCLUDED IN THE CONTRACT UNIT BID PRICES.

11 ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH THE CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF RIGHT-OF-WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT BID PRICE FOR EARTH EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

12 THE FOLLOWING APPLICATION RATES WERE USED FOR QUANTITY CALCULATIONS:

LEVELING BINDER	0.056 TON/SQ YD •in
BIT. CONC. SURF. CSE	0.056 TON/SQ YD •in
AGG. SHLDS./BASE CSE.	2.05 TON/CU.YD
BIT. MATLS. (P.C.)	0.00038 TON/SQ YD
AGG. (P.C.)	0.001425 TON/SQ YD
AG LIMESTONE	2 TON/ACRE
NITROGEN	90 LB/ACRE
PHOSPHORUS	90 LB/ACRE
POTASSIUM	90 LB/ACRE
MULCH, METHOD 2	2 TON/ACRE

13 ACCESS TO ALL PROPERTIES SHALL BE MAINTAINED DURING CONSTRUCTION ACTIVITIES. WHEN UNAVOIDABLE, REASONABLE PARKING SHALL BE PROVIDED FOR THOSE PROPERTIES WHICH ARE TEMPORARILY UNACCESSIBLE.

COMMITMENTS

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMENTS WERE MADE.

1. THE RESIDENT ENGINEER SHALL CONTACT STUDIES AND PLANS CONCERNING ANY MAJOR PLAN CHANGES.
2. 404 PERMIT FOR SWAMP DITCH CULVERT
3. ROAD CLOSURE LESS THAN 30 DAYS TO BE DURING SUMMER WHEN SCHOOL IS OUT AND BETWEEN NORMAL PLANTING AND HARVEST TIMES.

STANDARDS:

000001-05	701001-02
001001-02	701006-03
001006	701011-02
280001-05	701201-03
406201-01	701301-03
442201-03	701306-02
482001-02	701311-03
630001-08	701326-03
630201-06	
630301-05	701501-05
631031-08	701901-01
635006-03	780001-02
635011-02	781001-03
666001-01	BLR-21-8
	BLR-22-6

EXAMINED March 29 20 10
[Signature]
 PROGRAM DEVELOPMENT ENGINEER

DISTRICT SIX
 EXAMINED March 31 20 10
[Signature]
 OPERATIONS ENGINEER

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

FILE NAME =	USER NAME = jonestm	DESIGNED -	REVISED -
ca\pw_work\PWIDOT\JONESTM\0818256\065	103-shr-gennotes.dgn	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	REVISED -
PLOT DATE = Apr-05-2010 08:18:42AM	DATE -	REVISED -	REVISED -

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	F.A.P. RTE. 550	SECTION (9, 10); (11RS-1,B)	COUNTY SCHUYLER	TOTAL SHEETS 86	SHEET NO. 2
						CONTRACT NO. 72802	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT							

CODE NO	SUMMARY OF QUANTITIES ITEM	UNIT	TOTAL	ROADWAY	STRUCTURE BOX	STRUCTURE BRIDGE
			100% STATE	1000	Y007	SFTY-2A
20100500	TREE REMOVAL, ACRES	ACRE	6.8	6.8		
20200100	EARTH EXCAVATION	CU YD	18541	18541		
20200200	ROCK EXCAVATION	CU YD	130	100	30	
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	14	14		
25000200	SEEDING, CLASS 2	ACRE	4.8	4.8		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	429	429		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	429	429		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	429	429		
25000700	AGRICULTURAL GROUND LIMESTONE	TON	9.5	9.5		
25100115	MULCH, METHOD 2	ACRE	4.8	4.8		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1000	1000		
28000400	PERIMETER EROSION BARRIER	FOOT	2600	2600		
28000500	INLET AND PIPE PROTECTION	EACH	3	3		
28001000	AGGREGATE EROSION CONTROL	TON	300	300		
28100809	STONE DUMPED RIPRAP, CLASS A5	TON	3455	3455		
28200200	FILTER FABRIC	SQ YD	4606	4606		
35800100	PREPARATION OF BASE	SQ YD	150	150		
35800200	AGGREGATE BASE REPAIR	TON	30	30		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	81	81		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	64	64		
40600300	AGGREGATE (PRIME COAT)	TON	325	325		
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	2,525	2525		
40600895	CONSTRUCTING TEST STRIP	EACH	2	2		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,796	1796		
40600990	TEMPORARY RAMP	SQ YD	163	163		
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	2,352	2352		
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	6,620	6620		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	341	341		
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	81,029	81029		
44200150	PAVEMENT PATCHING, TYPE IV, 12 INCH	SQ YD	200	200		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2,296	2296		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	1,982	1982		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	523	523		
50102400	CONCRETE REMOVAL	CU YD	11.3		6.8	4.5
50105220	PIPE CULVERT REMOVAL	FOOT	105	105		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	4.5			4.5
50300300	PROTECTIVE COAT	SQ YD	21			21

UNIT	100% STATE	ROADWAY	STRUCTURE BOX	STRUCTURE BRIDGE	
		I000	Y007	SFTY-2A	
50800105	REINFORCEMENT BARS	POUND	49,470	49,470	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,920	1,330	590
52000110	PREFORMED JOINT STRIP SEAL	FOOT	35		35
54002020	EXPANSION BOLTS 3/4 INCH	EACH	48	48	
54003000	CONCRETE BOX CULVERTS	CU YD	170	170	
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	218	218	
54390170	INSERTION CULVERT LINER 22"	FOOT	144	144	
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	2,212.5	2,212.5	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1(SPECIAL) TANGENT	EACH	8	8	
63200310	GUARDRAIL REMOVAL	FOOT	1,768	1,768	
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	17	17	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	16	16	
67100100	MOBILIZATION	L SUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1	
70101835	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	5	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	8,935	8,935	
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	93,251	93,251	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	40	40	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	35	35	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	993	993	
* 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	1,310	1,310	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	40	40	
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	91,941	91,941	
* 78004200	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B (INLAID - LINE 24"	FOOT	35	35	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	373	373	
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	35	35	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	8	8	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	373	373	
X0301424	SILICONE JOINT SEALER	FOOT	35		35
X0323665	RIP RAP SLURRY	SQ YD	1,500	1,500	
X7011005	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	L SUM	1	1	
Z0015500	DEBRIS REMOVAL	L SUM	1	1	
Z0041500	PLUG EXISTING CULVERTS	EACH	1	1	
Z0073400	TEMPORARY SUPPORT SYSTEM	EACH	2		2
Z0200100	SLOPE STABILIZATION	L SUM	1		1

* SPECIALTY ITEM

IL 99 RESURFACING SCHEDULE MAINLINE													
STATION	TO	STATION	LT/RT	LENGTH	MAINLINE WIDTH	MAINLINE AREA	HMA SURF REM 3/4" & VAR	HMA SURFACE COURSE, MIX "C", N50, 1 1/2"	LEVELING BINDER (MACHINE METHOD), N50, 3/4"	HMA BINDER IL 19.0, 2 1/4"	BITUMINOUS MATERIALS PRIME COAT	AGGREGATE PRIME COAT	
				(FT)	(FT)	(SQ YD)	(SQ YD)	(TON)	(TON)	(TON)	(TON)	(TON)	
604+00.	to	627+00.	LT/RT	2300	24	6133.3	6093.3	515.2	0	772.8	4.6	24.4	
627+00.	to	655+00.	LT/RT	2800	24	7466.7	7466.7	627.2	0	940.8	5.7	29.9	
655+00.	to	674+00.	LT/RT	1900	24	5066.7	5066.7	425.6	0	638.4	3.9	20.3	
674+00.	to	678+04.	LT/RT	404	24	1077.3	1037.3	90.5	45.2	0.0	0.8	4.1	
681+99.	to	699+00.	LT/RT	1701	24	4536.0	4496.0	381.0	190.5	0.0	3.4	18.0	
699+00.	to	750+70.	LT/RT	5170	24	13786.7	13786.7	1158.1	579.0	0	10.5	55.1	
750+70.	to	751+00.	LT/RT	30	24	80.0	80.0	6.7	3.4	0	0.1	0.3	
751+00.	to	761+00.	LT/RT	1000	24	2666.7	2666.7	224.0	112.0	0	2.0	10.7	
761+00.	to	761+30.	LT/RT	30	24	80.0	80.0	6.7	3.4	0	0.1	0.3	
761+30.	to	896+08.	LT/RT	13478	24	35941.3	35941.3	3019.1	1509.5	0	27.3	143.8	
896+08.	to	898+16.	LT/RT	208	VAR	1101	1101	92.5	46.2	0	0.8	4.4	
8+53.	to	12+09.	IL 101 L/R	356	22	870	724	73.1	30.4	0	0.5	2.9	
SUBTOTAL =							78805.9	78539.2	6619.7	2519.7	2352.0	59.7	314.2
TOTAL =							78540.0	6620.0	2525.0	2352.0	60.0	315.0	

IL 99 SHOULDER SCHEDULE											
STATION	TO	STATION	LT/RT	LENGTH	HMA SHLD AREA	HMA SURF REM 3/4" & VAR	HMA SHOULDERS 3 3/4"	HMA SHOULDERS 8"	BITUMINOUS MATERIALS PRIME COAT	AGG PRIME COAT	AGG SHOULDERS TYPE B
				(FT)	(SQ YD)	(SQ YD)	(TON)	(SQ YD)	(TON)	(TON)	(TON)
604+00.	to	627+00.	LT/RT	2300	0.0	0.0	0.0	0.0	0.0	0.0	229.2
627+00.	to	655+00.	LT/RT	2800	2488.9	2488.9	522.7	0.0	1.9	10.0	279.0
655+00.	to	674+00.	LT/RT	1900	0.0	0.0	0.0	0.0	0.0	0.0	189.3
674+00.	to	675+07.	LT/RT	107	0.0	0.0	0.0	0.0	0.0	0.0	7.6
675+07.	to	675+37.	RT	30	8.3	0.0	0.0	8.3	0.0	0.0	1.1
675+37.	to	678+42.	RT	305	135.6	0.0	0.0	135.6	0.0	0.0	10.9
681+61.	to	683+79.	RT	218	96.9	0.0	0.0	96.9	0.0	0.0	7.8
683+79.	to	684+09.	RT	30	8.3	0.0	0.0	8.3	0.0	0.0	1.1
675+07.	to	676+70.	LT	163	0.0	0.0	0.0	0.0	0.0	0.0	5.8
676+70.	to	677+00.	LT	30	8.3	0.0	0.0	8.3	0.0	0.0	1.1
677+00.	to	678+42.	LT	142	63.1	0.0	0.0	63.1	0.0	0.0	5.1
681+61.	to	683+25.	LT	164	72.9	0.0	0.0	72.9	0.0	0.0	5.8
683+25.	to	683+55.	LT	30	8.3	0.0	0.0	8.3	0.0	0.0	1.1
683+55.	to	684+09.	LT	54	0.0	0.0	0.0	0.0	0.0	0.0	1.9
684+09.	to	750+70.	LT/RT	6661	0.0	0.0	0.0	0.0	0.0	0.0	474.1
750+70.	to	751+00.	LT/RT	30	23.3	0.0	0.0	23.3	0.0	0.0	2.1
751+00.	to	761+00.	LT/RT	1000	1333.3	0.0	0.0	1333.3	0.0	0.0	71.2
761+00.	to	761+30.	LT/RT	30	23.3	0.0	0.0	23.3	0.0	0.0	2.1
761+30.	to	896+62.	LT/RT	13532	0.0	0.0	0.0	0.0	0.0	0.0	963.2
896+62.	to	898+16.	LT/RT	154	200	0	0	200	0	0	11.0
8+53.	to	12+09.	IL 101 RT	356	0	0	0	0	0	0	25.3
SUBTOTAL =						2488.9	522.7	1981.8	1.9	10.0	2295.8
TOTAL =						2489	523	1982	2	10	2296.0

IMPROVEMENT SCHEDULE FOR URBAN/RURAL SIDE ROADS & ENTRANCES										
LOCATION	TYPE OF ENTRANCE	EXIST. SURFACE TYPE	WIDTH	DISTANCE (FROM EOP/HMA SHLDR) TO BUTT JNT	HMA SURFACE REMOVAL BUTT JOINT	PR HMA THICKNESS (IN)	INCIDENTAL HMA SURFACING	TEMP. RAMP	AGG. SURFACE CSE. TY. B	
(STA. LT/RT)	(SD-RD, CE,FE,PE,MB)	(AGG. / EARTH / HMA / PCC)	(FOOT)	(8,10,15')	(SQ. YD.)		(TON)	(SQ. YD.)	(TON)	
622+50	LT	PE	HMA/AGG	20	8	37.3	3.5	7.3	0.0	1.9
622+50	RT	MB	HMA	STD	8	37.3	3.5	7.3	0.0	0.0
629+15	RT	LAWSON RD	SD-RD	O & C	20	44.4	3.5	8.7	11.1	0.0
635+70	LT	BENTON ST	SD-RD	O & C	20	44.4	3.5	8.7	11.1	0.0
639+05	LT	MAIN ST	SD-RD	O & C	20	44.4	3.5	8.7	11.1	0.0
641+00	to 642+50	LT	(POST OFFICE)	O & C	150	188.9	3.5	37.0	11.1	0.0
641+00	to 643+00	RT	(TOWN HALL)	O & C	200	244.4	3.5	47.9	0.0	0.0
645+90	LT	CLINTON ST	SD-RD	O & C	18	42.2	3.5	8.3	10.0	0.0
647+80	LT	UNION ST	SD-RD	O & C	18	42.2	3.5	8.3	10.0	0.0
649+50	LT	CAMDEM RD	SD-RD	O & C	20	44.4	3.5	8.7	11.1	0.0
659+60	RT	FETCH RD	SD-RD	O & C	22	46.7	3.5	9.1	12.2	0.0
659+90	LT	PE/MB	HMA/AGG	32	8	65.8	3.5	12.9	0.0	3.0
663+25	LT	PE	HMA/AGG	16	8	33.8	3.5	6.6	0.0	1.5
677+25	LT	PE	AGG	14	8	0.0	3.5	6.3	0.0	1.3
693+25	RT	PE	O & C	30	8	46.2	3.5	9.1	0.0	0.0
693+25	LT	MB	HMA	STD	8	37.3	3.5	7.3	0.0	0.0
697+50	RT	PE	HMA/AGG	20	8	37.3	3.5	7.3	0.0	1.9
697+50	LT	MB	HMA	STD	8	37.3	3.5	7.3	0.0	0.0
710+50	LT	PE/MB	AGG	16	8	51.6	3.5	10.1	0.0	1.5
712+25	LT	FAIRVIEW RD	SD-RD	HMA/AGG	20	44.4	3.5	8.7	0.0	1.9
721+75	RT	PE/MB	AGG	18	8	53.3	3.5	10.5	0.0	1.7
723+00	LT	PE	AGG	20	8	0.0	3.5	7.3	0.0	1.9
738+75	LT	JORDON RD	SD-RD	O & C	18	42.2	3.5	8.3	10.0	0.0
741+60	RT	PE	HMA/AGG	16	8	33.8	3.5	6.6	0.0	1.5
765+50	LT	SHELTS LN	SD-RD	HMA/AGG	12	35.6	3.5	7.0	0.0	1.1
767+50	RT	PE/MB	HMA/AGG	12	8	48.0	3.5	9.4	0.0	1.1
818+60	LT	CE	CONC	35	27	0.0	1.5	13.1	0.0	3.3
850+25	LT	PE	HMA/AGG	12	8	30.2	3.5	5.9	0.0	1.1
852+25	LT	PE	HMA/AGG	12	8	30.2	3.5	5.9	0.0	1.1
852+25	RT	MB	HMA	STD	8	37.3	3.5	7.3	0.0	0.0
854+00	LT	PE	HMA/AGG	12	8	30.2	3.5	5.9	0.0	1.1
872+00	LT	HOELSHER RD	SD-RD	HMA/AGG	16	40.0	3.5	7.8	0.0	1.5
872+25	RT	PE/MB	HMA/AGG	14	8	49.8	3.5	9.8	0.0	1.3
SUBTOTAL =						1601.3		340.6	97.7	30.1
TOTAL						1602.0		341	98.0	31.0

ESTIMATED QUANTITIES FOR SIDEROADS / ENTRANCES*		
ITEM	QUANTITY	UNIT
AGG SURFACE CSE TY B	50	TON
PREP OF BASE	150	SQ YD
AGG BASE REPAIR	30	TON
BIT MATERIALS (PC)	2	TON

* THESE QUANTITIES ARE ESTIMATED AND MAY BE INCREASED, DECREASED, OR DELETED AS DETERMINED BY THE ENGINEER WITHOUT ANY ADDITIONAL COMPENSATION TO THE CONTRACTOR.

RIP RAP			
STATION TO STATION	SIDE	STONE DUMPED RIP RAP CL. A5 (TON)	FILTER FABRIC (SQ YD)
749+00 TO 755+00	LT	395	527
749+00 TO 755+00	RT	434	579
755+00 TO 761+00	LT	848	1131
755+00 TO 761+00	RT	1142	1522
761+00 TO 765+00	LT	267	356
761+00 TO 765+00	RT	269	358
842+90	RT	100	133
TOTAL		3455	4606

SEEDING, FERTILIZER, & MULCH							
STATION TO STATION	SIDE	SEEDING, CLASS 2 (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	AGRICULTURAL GROUND LIMESTONE (TON)	MULCH METHOD 2 (ACRE)
748+00 TO 749+00	LT	0.04	4	4	4	0.1	0.04
748+00 TO 749+00	RT	0.04	4	4	4	0.1	0.04
749+00 TO 755+00	LT	0.8	72	72	72	1.6	0.8
749+00 TO 755+00	RT	0.95	86	86	86	1.9	0.95
755+00 TO 761+00	LT	1.04	94	94	94	2.1	1.04
755+00 TO 761+00	RT	1.28	115	115	115	2.6	1.28
761+00 TO 766+00	LT	0.32	29	29	29	0.6	0.32
761+00 TO 766+00	RT	0.3	27	27	27	0.6	0.3
TOTALS		4.8	429	429	429	9.5	4.8

PAINT PAVEMENT MARKING LINE, 5"					
STATION TO STATION	SIDE	EDGE LINE WHITE (FOOT)	SKIP DASH YELLOW (FOOT)	SBL NPZ YELLOW (FOOT)	NBL NPZ YELLOW (FOOT)
604+00	to 610+35	1270	159	635	
610+35	to 655+22	8974	1122		
655+22	to 663+67	1690	211		845
663+67	to 668+90	1046		523	523
668+90	to 679+46	2112	264	1056	
679+46	to 680+16	140		70	70
680+16	to 691+66	2300	288		1150
691+66	to 696+96	1060		530	530
696+96	to 703+66	1340	168	670	
703+66	to 712+36	1740	218		870
712+36	to 725+56	2640		1320	1320
725+56	to 735+26	1940	243	970	
735+26	to 738+16	580	73		
738+16	to 747+66	1900	238		950
747+66	to 758+46	2160	270	1080	
758+46	to 768+86	2080	260		1040
768+86	to 780+36	2300		1150	1150
780+36	to 791+76	2280	285	1140	
791+76	to 818+16	5280	660		
818+16	to 828+16	2000	250		1000
828+16	to 853+36	5040		2520	2520
853+36	to 860+26	1380	173	690	
860+26	to 862+56	460		230	230
862+56	to 870+86	1660	208		830
870+86	to 873+86	600		300	300
873+86	to 883+46	1920	240	960	
883+46	to 896+08	2524	316		
896+08	to 898+16				
8+53	to 12+09	356		356	356
	Subtotal =	58416	5641	14200	13684
	Total =	91941			

PREFORMED PLASTIC PVMT MARKING, INLAID LINE 24"		
STATION	LOCATION	(FOOT)
897+90	RT	35

THERMOPLASTIC PAVEMENT MARKING LINE 12"		
STATION	LOCATION	(FOOT)
896+08 TO 898+95	MEDIAN	40 (YELLOW)

THERMOPLASTIC PAVEMENT MARKING LINE 5"		
STATION	LOCATION	(FOOT)
896+08 TO 898+16	MEDIAN	760 (YELLOW)
896+08 TO 898+16	EOP	550 (WHITE)
TOTAL =		1310

TEMPORARY PAVEMENT MARKINGS			
STATION	SHORT TERM PVT MARKING (FOOT)	WORK ZONE PVT MRK REMOVAL (SQ FT)	TEMPORARY PAVT MRK LINE - 5" (FOOT)
604+00 TO 898+16	8825	981	92519
8+53 TO 12+09 (IL 101)	110	12	445
TOTAL =	8935	993	92964

RIP RAP SLURRY	
LOCATION	QUANTITY (SQ YD)
VARIOUS	1500*

TREE REMOVAL	
STATION TO STATION	TREE REMOVAL (ACRE)
749+00 TO 755+00	2.8
755+00 TO 761+00	3.7
761+00 TO 766+00	0.29
TOTAL	6.8

EX & GREX SHOULDER	
STATION TO STATION	QUANTITY (UNIT)
675+07 TO 678+24 RT	3.17
681+79 TO 684+09 RT	2.3
676+70 TO 678+24 LT	1.54
681+79 TO 683+55 LT	1.76
896+62 TO 898+16 LT	2.25
896+62 TO 898+16 RT	2.75
TOTAL	13.77
USE =	14

*ESTIMATED QUANTITY. THIS QUANTITY MAY BE INCREASED, DECREASED, OR DELETED AS DETERMINED BY THE ENGINEER WITHOUT ANY ADDITIONAL COMPENSATION TO THE CONTRACTOR.

EARTHWORK					
STATION TO STATION	SIDE	THEORETICAL		EARTH EX ADJ FOR SHRINKAGE (CU YD)	BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
		CUT (CU YD)	FILL (CU YD)		
748+00 TO 749+00	LT	59	16	44	28
748+00 TO 749+00	RT	53	28	40	12
749+00 TO 761+00	LT	9316	3074	6987	3913
749+00 TO 761+00	RT	8202	9825	6152	-3674
761+00 to 766+00	LT	594	36	446	410
761+00 to 766+00	RT	317	133	238	105
TOTAL =		18541			+794

F & E ROW MARKERS	
LOCATION	QTY (EACH)
749+00, 40' LT	1
751+50, 80' LT	1
752+00, 120' LT	1
755+50, 120' LT	1
756+00, 155' LT	1
758+00, 155' LT	1
759+00, 90' LT	1
761+00, 90' LT	1
762+00, 50' LT	1
749+00, 40' RT	1
752+00, 100' RT	1
753+00, 160' RT	1
755+38.90, 160' RT	1
756+00, 190' RT	1
757+75, 190' RT	1
758+50, 130' RT	1
762+00, 45' RT	1
TOTAL	17

Note: Stationing gathered from old plans and are approximate. The District 6 Bureau of Operations shall be notified at least 14 days prior to placement of final pavement markings. PH: (217) 782-7314

NOTE: SHALE MAY BE ENCOUNTERED DURING THE EXCAVATION. 100 CU YD OF ROCK EXCAVATION HAS BEEN INCLUDED IN THE PLANS AS AN ESTIMATE. FINAL QUANTITIES WILL BE MEASURED AS PER ART. 202.07.

GUARDRAIL SCHEDULE							
STRUCTURE NUMBER	LOCATION	GUARDRAIL REMOVAL	SPBGR TYPE A	TRAFFIC BARRIER TERMINAL TYPE 1, SPL (EACH)	TRAFFIC BARRIER TERMINAL TYPE 6 (EACH)	TERMINAL MARKER DIRECT APPLIED (EACH)	GUARDRAIL REFLECTORS TYPE A (*) (EACH)
		(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)
085-0029	SW QUAD	129.5	12.5	1	1	1	1
085-0029	NW QUAD	154.5	37.5	1	1	1	1
085-0029	SE QUAD	217	225.0	1	1	1	4
085-0029	NE QUAD	154.5	137.5	1	1	1	3
085-7029	751+00 to 761+00 LT	400			0		
085-7029	751+00 to 761+00 RT	712.5			0		
085-7029	751+00 to 751+50 LT & RT			2		2	
085-7029	751+50 to 760+50 LT & RT		1800.0				26
085-7029	760+50 to 761+00 LT & RT			2		2	
TOTAL		1768	2212.5	8	4	8	35

* - GUARDRAIL MARKERS SHALL BE BI-DIRECTIONAL

PIPE CULV, TY 1, CS/A 18"	
LOCATION	QUANTITY (FT)
748+86 LT	62
748+87 RT	62
765+50 LT	94
TOTAL =	218

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	
LOCATION (ASSUME 80' C to C)	QUANTITY (EACH)
STA 604+00 to 898+16	368
8+53 to 12+09 (IL 101)	5
TOTAL	373

PIPE CULV REMOVAL	
LOCATION	QUANTITY (FT)
748+86 LT	30
748+87 RT	30
765+50 LT	45
TOTAL =	105

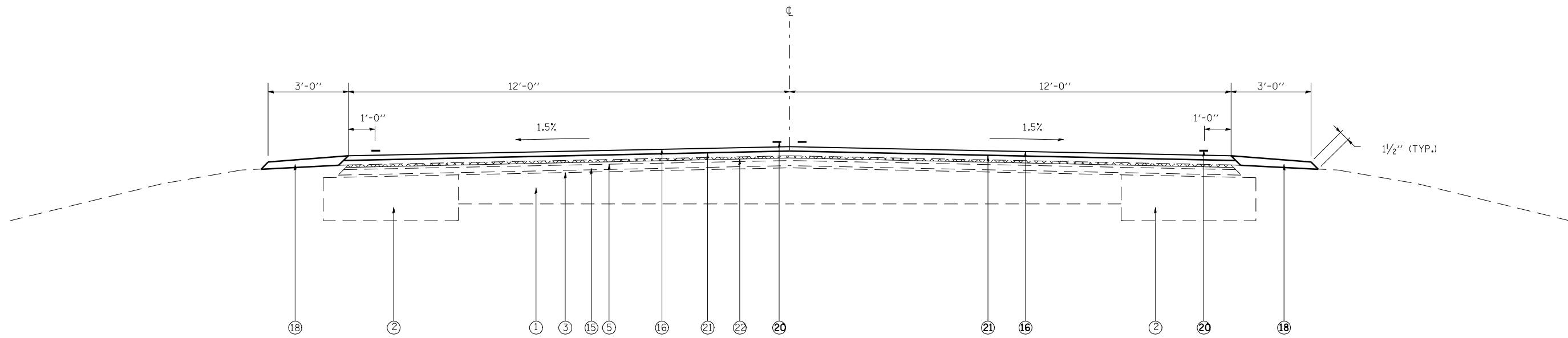
RAISED REFLECTIVE PAVEMENT MARKER	
LOCATION (ASSUME 80' C to C)	QUANTITY (EACH)
STA 604+00 to 898+16	368
8+53 to 12+09 (IL 101)	5
TOTAL	373

INSERTION CULVERT LINER 22"	
LOCATION	QUANTITY (FT)
780+05	70
851+33	74
TOTAL =	144

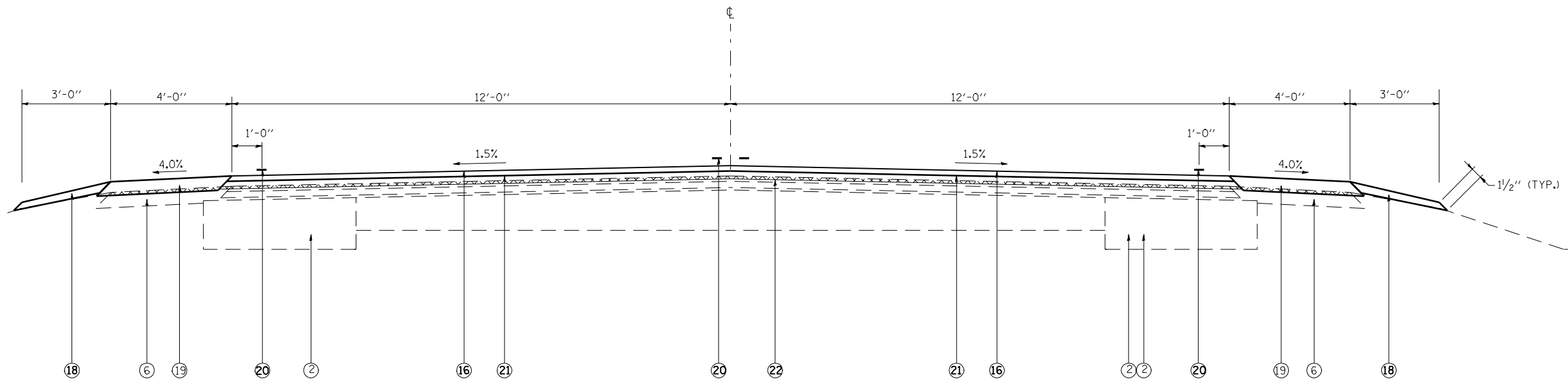
HMA SURFACE REMOVAL - BUTT JOINT	
LOCATION STA	QUANTITY (SQ YD)
604+00 to 604+15	40
678+09 to 678+24	40
681+79 to 681+94	40
8+53 to 8+68 (IL 101)	37
11+94 to 12+09 (IL 101)	37
FROM SIDE ROAD / ENT SCHED	1601.3
SUBTOTAL	1795.3
TOTAL	1796.0

TEMPORARY RAMP MAINLINE	
LOCATION STA	QUANTITY (SQ YD)
604+00	13.3
674+24	13.3
681+79	13.3
8+53 (IL 101)	12.2
12+09 (IL 101)	12.2
FROM SR / ENT SCHED	98.0
TOTAL	162.4

PLUG EX CULVERT	
LOCATION	QUANTITY (EA)
752+72.5	1
TOTAL =	1



STA. 604+00 TO STA. 627+00
 STA. 666+54 TO STA. 674+00



STA. 627+00 TO STA. 655+00

- ① EXIST. 6" AGG BASE COURSE AND SURFACE TREATMENT
- ② EXIST. BITUMINOUS CONCRETE BASE COURSE WIDENING, 8"
- ③ EXIST. LEVELING BINDER MACHINE METHOD VARIABLE THICKNESS
- ④ EXIST. BITUMINOUS CONCRETE BINDER COURSE (1 AT 4", 1 AT 2 1/2 ")
- ⑤ EXIST. BITUMINOUS CONCRETE SURFACE COURS MIX C, CL I 1 1/2 "
- ⑥ EXIST. BITUMINOUS SHOULDERS 8"
- ⑦ EXIST. GRANULAR EMBANKMENT SPECIAL
- ⑧ EXIST. BITUMINOUS BASE COURSE 8"
- ⑨ EXIST. BITUMINOUS CONCRETE BINDER COURSE 1 1/2 "
- ⑩ EXIST. SPECIAL AGGREGATE- SURGE PILE STONE
- ⑪ EXIST. 1 1/4 " BITUMINOUS CONCRETE SURFACE COURSE MIXTURE C, CLASS I
- ⑫ EXIST. 1 3/4 " BITUMINOUS CONCRETE BINDER COURSE
- ⑬ EXIST. 9" BITUMINOUS BASE COURSE
- ⑭ EXIST. SUB-BASE GRANULAR MATERIAL, TYPE B (3"MIN - 6"MAX)
- ⑮ EXIST. BITUMINOUS BINDER CONCRETE BINDER COURSE 2 1/2"
- ⑯ PROP. HMA SURFACE COURSE, MIX C, N50 1 1/2"
- ⑰ PROP. LEVELING BINDER (MACHINE METHOD) N50 3/4"
- ⑱ PROP. AGGREGATE SHOULDERS, TYPE B
- ⑲ PROP. HMA SHOULDERS, 3 3/4"
- ⑳ PROP. PAINT PAVEMENT MARKING -LINE 5"
- ㉑ PROP. HMA BINDER COURSE IL -19.0, N50 2 1/4"
- ㉒ PROP. HMA SURFACE REMOVAL VARIABLE DEPTH
- ㉓ PROP. HMA SHOULDERS 8"

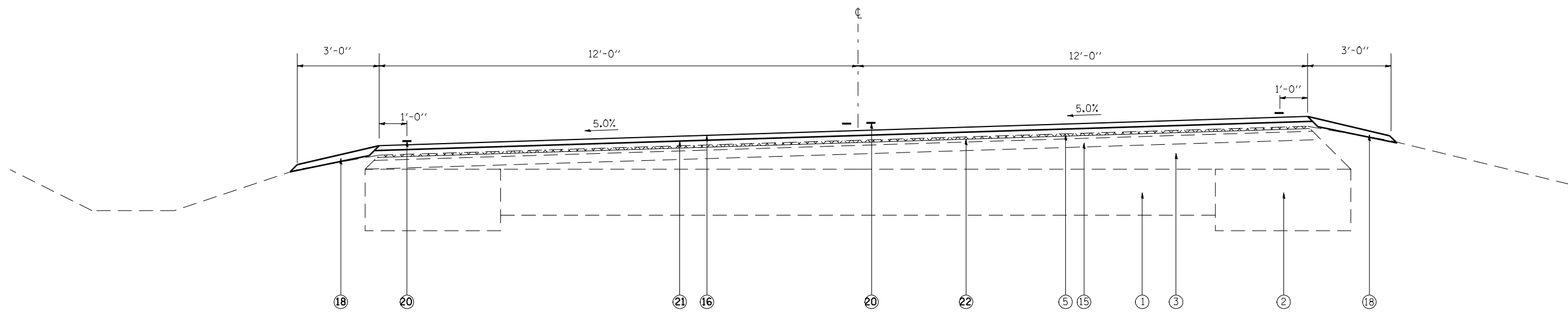
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

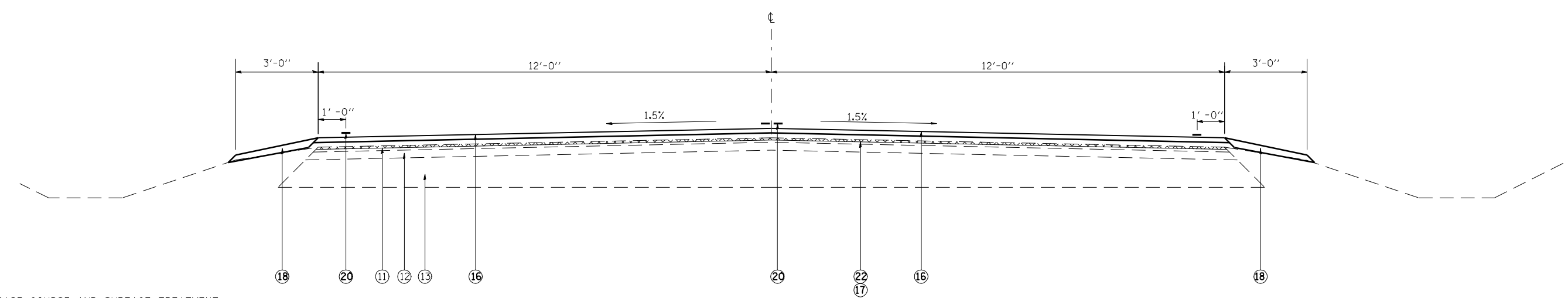
TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72802			ILLINOIS FED. AID PROJECT	



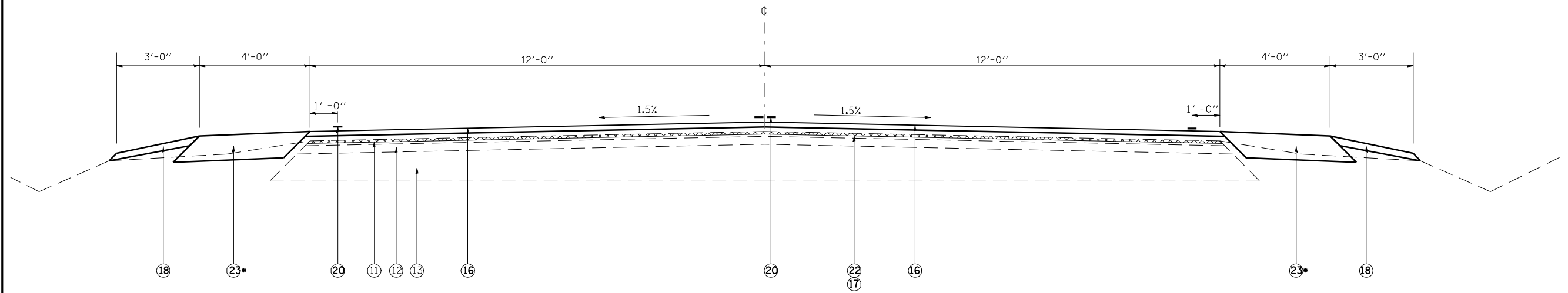
STA. 655+00 TO STA. 666+54+
 * SEE SHEET 19 FOR S.E. TRANSITION INFORMATION



• STA. 674+00 TO STA. 678+04.5
 STA. 678+04.5 TO STA. 681+98.5 (BRIDGE AND APPROACH PAVEMENTS) - OMISSION
 • STA. 681+79.47 TO 683+54.47 (S.E. TRANSITION)
 STA. 693+56.36 TO STA. 699+00
 • SEE NEXT TYPICAL FOR PROPOSED HMA SHOULDERS

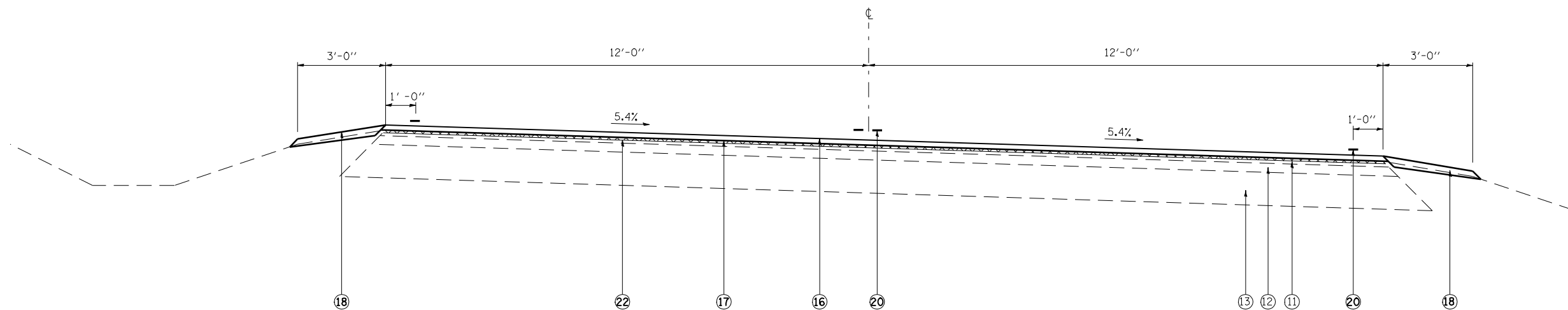
- ① EXIST. 6" AGG BASE COURSE AND SURFACE TREATMENT
- ② EXIST. BITUMINOUS CONCRETE BASE COURSE WIDENING, 8"
- ③ EXIST. LEVELING BINDER MACHINE METHOD VARIABLE THICKNESS
- ④ EXIST. BITUMINOUS CONCRETE BINDER COURSE (1 AT 4", 1 AT 2 1/2 ")
- ⑤ EXIST. BITUMINOUS CONCRETE SURFACE COURSE MIX C, CL I 1 1/2 "
- ⑥ EXIST. BITUMINOUS SHOULDERS 8"
- ⑦ EXIST. GRANULAR EMBANKMENT SPECIAL
- ⑧ EXIST. BITUMINOUS BASE COURSE 8"
- ⑨ EXIST. BITUMINOUS CONCRETE BINDER COURSE 1 1/2 "
- ⑩ EXIST. SPECIAL AGGREGATE- SURGE PILE STONE
- ⑪ EXIST. 1 1/4 " BITUMINOUS CONCRETE SURFACE COURSE MIXTURE C, CLASS I
- ⑫ EXIST. 1 3/4 " BITUMINOUS CONCRETE BINDER COURSE
- ⑬ EXIST. 9" BITUMINOUS BASE COURSE
- ⑭ EXIST. SUB-BASE GRANULAR MATERIAL, TYPE B (3"MIN - 6"MAX)
- ⑮ EXIST. BITUMINOUS BINDER CONCRETE BINDER COURSE 2 1/2"
- ⑯ PROP. HMA SURFACE COURSE, MIX C, N50 1 1/2"
- ⑰ PROP. LEVELING BINDER (MACHINE METHOD) N50 3/4"
- ⑱ PROP. AGGREGATE SHOULDERS, TYPE B
- ⑲ PROP. HMA SHOULDERS, 3 3/4"
- ⑳ PROP. PAINT PAVEMENT MARKING -LINE 5"
- ㉑ PROP. HMA BINDER COURSE IL -19.0, N50 2 1/4"
- ㉒ PROP. HMA SURFACE REMOVAL VARIABLE DEPTH
- ㉓ PROP. HMA SHOULDERS 8"

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = Apr-06-2010 12:01:03PM	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									
				SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				



- LT STA. 676+70 TO 678+42
STA. 681+61 TO 683+55
- RT STA. 675+07 TO 678+42
STA. 681+61 TO 684+09

- ① EXIST. 6" AGG BASE COURSE AND SURFACE TREATMENT
- ② EXIST. BITUMINOUS CONCRETE BASE COURSE WIDENING, 8"
- ③ EXIST. LEVELING BINDER MACHINE METHOD VARIABLE THICKNESS
- ④ EXIST. BITUMINOUS CONCRETE BINDER COURSE (1 AT 4", 1 AT 2 1/2 ")
- ⑤ EXIST. BITUMINOUS CONCRETE SURFACE COURS MIX C, CL I 1 1/2 "
- ⑥ EXIST. BITUMINOUS SHOULDERS 8"
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- ⑳ PROP. PAINT PAVEMENT MARKING -LINE 5"
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- ㉒ PROP. HMA SURFACE REMOVAL VARIABLE DEPTH
- ㉓ PROP. HMA SHOULDERS 8"



STA. 683+54.47 TO STA. 691+81.36 (FULL SUPER)
STA. 691+81.36 TO 693+56.36 (S.E. TRANSITION)

* SEE SHEET 19 FOR S.E. TRANSITION INFORMATION

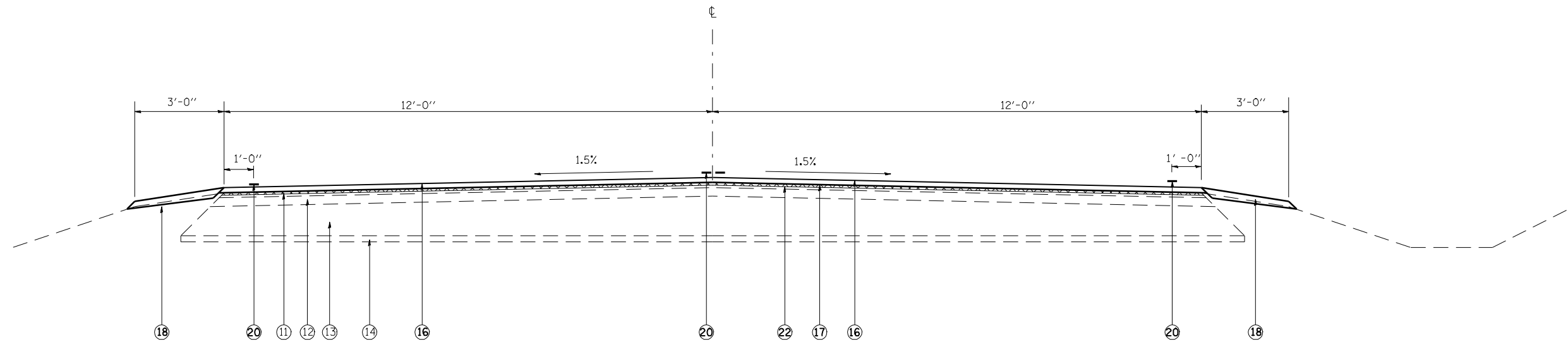
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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

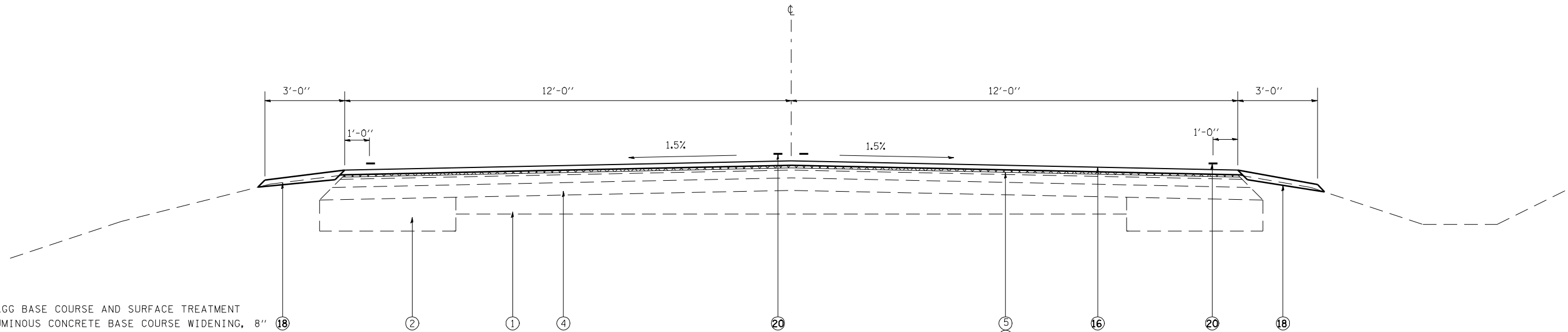
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550	(9,10); 11(RS-1,BI)	SCHUYLER	86	8
CONTRACT NO. 72802			ILLINOIS FED. AID PROJECT	



STA. 686+50 TO STA. 693+50

- ① EXIST. 6" AGG BASE COURSE AND SURFACE TREATMENT
- ② EXIST. BITUMINOUS CONCRETE BASE COURSE WIDENING, 8"
- ③ EXIST. LEVELING BINDER MACHINE METHOD VARIABLE THICKNESS
- ④ EXIST. BITUMINOUS CONCRETE BINDER COURSE (1 AT 4", 1 AT 2 1/2 ")
- ⑤ EXIST. BITUMINOUS CONCRETE SURFACE COURS MIX C, CL I 1 1/2 "
- ⑥ EXIST. BITUMINOUS SHOULDERS 8"
- ⑦ EXIST. GRANULAR EMBANKMENT SPECIAL
- ⑧ EXIST. BITUMINOUS BASE COURSE 8"
- ⑨ EXIST. BITUMINOUS CONCRETE BINDER COURSE 1 1/2 "
- ⑩ EXIST. SPECIAL AGGREGATE- SURGE PILE STONE
- ⑪ EXIST. 1 1/4 " BITUMINOUS CONCRETE SURFACE COURSE MIXTURE C, CLASS I
- ⑫ EXIST. 1 3/4 " BITUMINOUS CONCRETE BINDER COURSE
- ⑬ EXIST. 9" BITUMINOUS BASE COURSE
- ⑭ EXIST. SUB-BASE GRANULAR MATERIAL, TYPE B (3"MIN - 6"MAX)
- ⑮ EXIST. BITUMINOUS BINDER CONCRETE BINDER COURSE 2 1/2"
- ⑯ PROP. HMA SURFACE COURSE, MIX C, N50 1 1/2"
- ⑰ PROP. LEVELING BINDER (MACHINE METHOD) N50 3/4"
- ⑱ PROP. AGGREGATE SHOULDERS, TYPE B
- ⑲ PROP. HMA SHOULDERS, 3 3/4"
- ⑳ PROP. PAINT PAVEMENT MARKING -LINE 5"
- ㉑ PROP. HMA BINDER COURSE IL -19.0, N50 2 1/4"
- ㉒ PROP. HMA SURFACE REMOVAL VARIABLE DEPTH
- ㉓ PROP. HMA SHOULDERS 8"

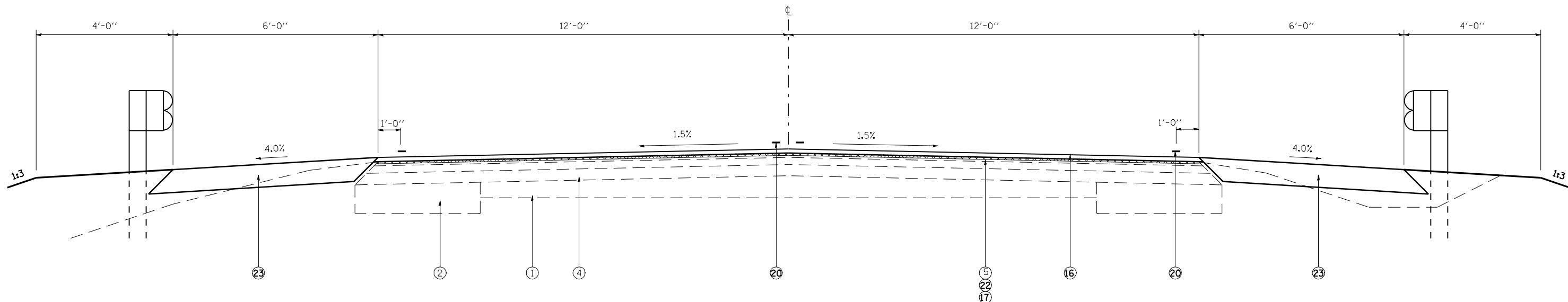
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		CHECKED -	REVISED -						CONTRACT NO. 72802						
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT										



STA. 699+00 TO STA. 785+00
 STA. 825+00 TO STA. 896+10

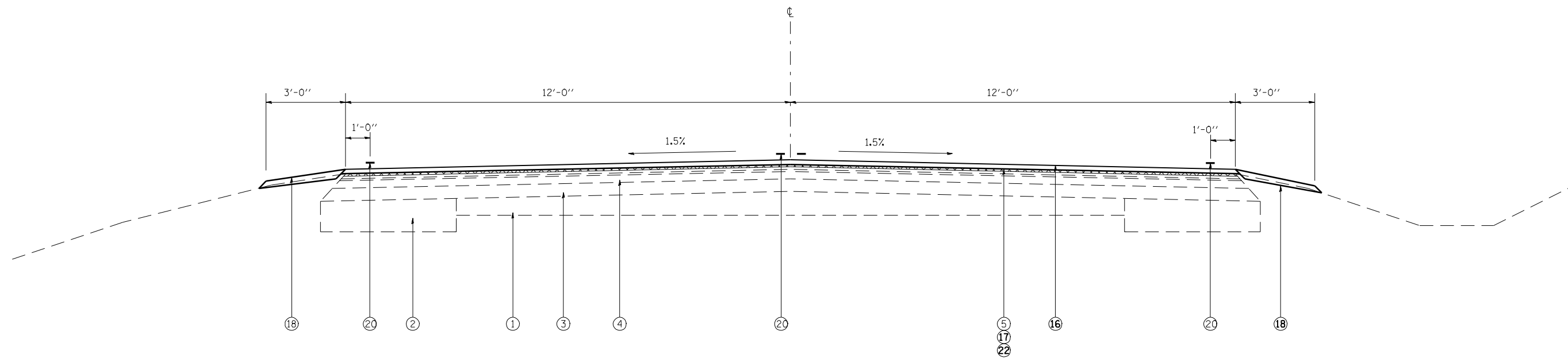
NOTE:
 *FROM STA. 699+00 TO STA. 785+00
 STA. 825+00 TO STA. 896+10
 EXISTING AGGREGATE BASE COURSE TY. A

- ① EXIST. 6" AGG BASE COURSE AND SURFACE TREATMENT
- ② EXIST. BITUMINOUS CONCRETE BASE COURSE WIDENING, 8" 18
- ③ EXIST. LEVELING BINDER MACHINE METHOD VARIABLE THICKNESS
- ④ EXIST. BITUMINOUS CONCRETE BINDER COURSE (1 AT 4", 1 AT 2 1/2 ")
- ⑤ EXIST. BITUMINOUS CONCRETE SURFACE COURS MIX C, CL I 1 1/2 "
- ⑥ EXIST. BITUMINOUS SHOULDERS 8"
- ⑦ EXIST. GRANULAR EMBANKMENT SPECIAL
- ⑧ EXIST. BITUMINOUS BASE COURSE 8"
- ⑨ EXIST. BITUMINOUS CONCRETE BINDER COURSE 1 1/2 "
- ⑩ EXIST. SPECIAL AGGREGATE- SURGE PILE STONE
- ⑪ EXIST. 1 1/4 " BITUMINOUS CONCRETE SURFACE COURSE MIXTURE C, CLASS I
- ⑫ EXIST. 1 3/4 " BITUMINOUS CONCRETE BINDER COURSE
- ⑬ EXIST. 9" BITUMINOUS BASE COURSE
- ⑭ EXIST. SUB-BASE GRANULAR MATERIAL, TYPE B (3"MIN - 6"MAX)
- ⑮ EXIST. BITUMINOUS BINDER CONCRETE BINDER COURSE 2 1/2"
- ⑯ PROP. HMA SURFACE COURSE, MIX C, N50 1 1/2"
- ⑰ PROP. LEVELING BINDER (MACHINE METHOD) N50 3/4"
- ⑱ PROP. AGGREGATE SHOULDERS, TYPE B
- ⑲ PROP. HMA SHOULDERS, 3 3/4"
- ⑳ PROP. PAINT PAVEMENT MARKING -LINE 5"
- ㉑ PROP. HMA BINDER COURSE IL -19.0, N50 2 1/4"
- ㉒ PROP. HMA SURFACE REMOVAL VARIABLE DEPTH
- ㉓ PROP. HMA SHOULDERS 8"



STA. 750+70.00 TO STA. 761+30.00

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -												
PLOT DATE = Apr-06-2010 12:01:09PM		DATE -	REVISED -												
											CONTRACT NO. 72802			ILLINOIS FED. AID PROJECT	



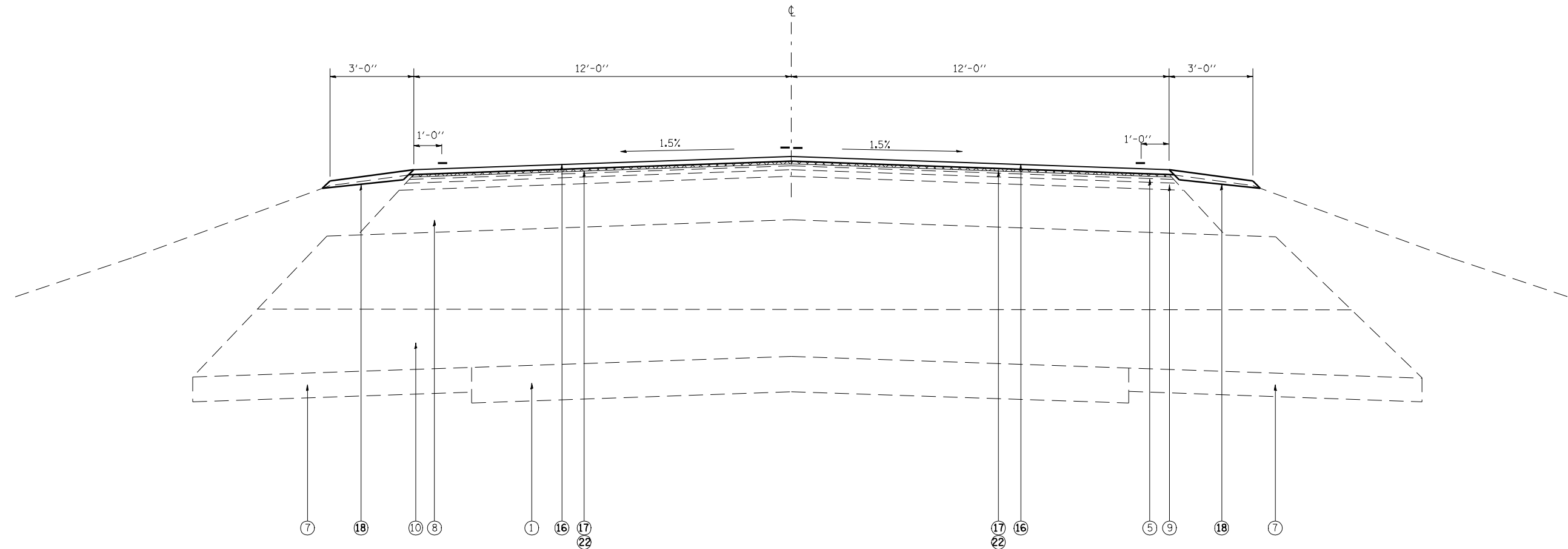
NOTE:
 *FROM STA. 699+00 TO STA. 785+00
 STA. 825+00 TO STA. 896+10
 EXISTING AGGREGATE BASE COURSE TY. A

• STA. 785+00 TO STA. 787+75
 • STA. 822+10 TO STA. 825+00

• SEE CURVE DATA FOR S.E.

- ① EXIST. 6" AGG BASE COURSE AND SURFACE TREATMENT
- *② EXIST. BITUMINOUS CONCRETE BASE COURSE WIDENING, 8"
- ③ EXIST. LEVELING BINDER MACHINE METHOD VARIABLE THICKNESS
- ④ EXIST. BITUMINOUS CONCRETE BINDER COURSE (1 AT 4", 1 AT 2 1/2 ")
- ⑤ EXIST. BITUMINOUS CONCRETE SURFACE COURS MIX C, CL I 1 1/2 "
- ⑥ EXIST. BITUMINOUS SHOULDERS 8"
- ⑦ EXIST. GRANULAR EMBANKMENT SPECIAL
- ⑧ EXIST. BITUMINOUS BASE COURSE 8"
- ⑨ EXIST. BITUMINOUS CONCRETE BINDER COURSE 1 1/2 "
- ⑩ EXIST. SPECIAL AGGREGATE- SURGE PILE STONE
- ⑪ EXIST. 1 1/4 " BITUMINOUS CONCRETE SURFACE COURSE MIXTURE C, CLASS I
- ⑫ EXIST. 1 3/4 " BITUMINOUS CONCRETE BINDER COURSE
- ⑬ EXIST. 9" BITUMINOUS BASE COURSE
- ⑭ EXIST. SUB-BASE GRANULAR MATERIAL, TYPE B (3"MIN - 6"MAX)
- ⑮ EXIST. BITUMINOUS BINDER CONCRETE BINDER COURSE 2 1/2"
- ⑯ PROP. HMA SURFACE COURSE, MIX C, N50 1 1/2"
- ⑰ PROP. LEVELING BINDER (MACHINE METHOD) N50 3/4"
- ⑱ PROP. AGGREGATE SHOULDERS, TYPE B
- ⑲ PROP. HMA SHOULDERS, 3 3/4"
- ⑳ PROP. PAINT PAVEMENT MARKING -LINE 5"
- ㉑ PROP. HMA BINDER COURSE IL -19.0, N50 2 1/4"
- ㉒ PROP. HMA SURFACE REMOVAL VARIABLE DEPTH
- ㉓ PROP. HMA SHOULDERS 8"

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pwork\PWIDOT\LAUGHLINRL\0188256\0672802-shr-typic01.dgn	DRAWN -	REVISED -	550					(9,10); 11(RS-1,BI)	SCHUYLER	86	11	
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PLOT DATE = Apr-06-2010 12:01:11PM	DATE -	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



STA. 787+75 TO STA. 790+40
 STA. 790+90 TO STA. 792+68
 STA. 808+00 TO STA. 822+10

- ① EXIST. 6" AGG BASE COURSE AND SURFACE TREATMENT
- ② EXIST. BITUMINOUS CONCRETE BASE COURSE WIDENING, 8"
- ③ EXIST. LEVELING BINDER MACHINE METHOD VARIABLE THICKNESS
- ④ EXIST. BITUMINOUS CONCRETE BINDER COURSE (1 AT 4", 1 AT 2 1/2 ")
- ⑤ EXIST. BITUMINOUS CONCRETE SURFACE COURS MIX C, CL I 1 1/2 "
- ⑥ EXIST. BITUMINOUS SHOULDERS 8"
- ⑦ EXIST. GRANULAR EMBANKMENT SPECIAL
- ⑧ EXIST. BITUMINOUS BASE COURSE 8"
- ⑨ EXIST. BITUMINOUS CONCRETE BINDER COURSE 1 1/2 "
- ⑩ EXIST. SPECIAL AGGREGATE- SURGE PILE STONE
- ⑪ EXIST. 1 1/4 " BITUMINOUS CONCRETE SURFACE COURSE MIXTURE C, CLASS I
- ⑫ EXIST. 1 3/4 " BITUMINOUS CONCRETE BINDER COURSE
- ⑬ EXIST. 9" BITUMINOUS BASE COURSE
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- ⑯ PROP. HMA SURFACE COURSE, MIX C, N50 1 1/2"
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- ⑲ PROP. HMA SHOULDERS, 3 3/4"
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- ㉑ PROP. HMA BINDER COURSE IL -19.0, N50 2 1/4"
- ㉒ PROP. HMA SURFACE REMOVAL VARIABLE DEPTH
- ㉓ PROP. HMA SHOULDERS 8"

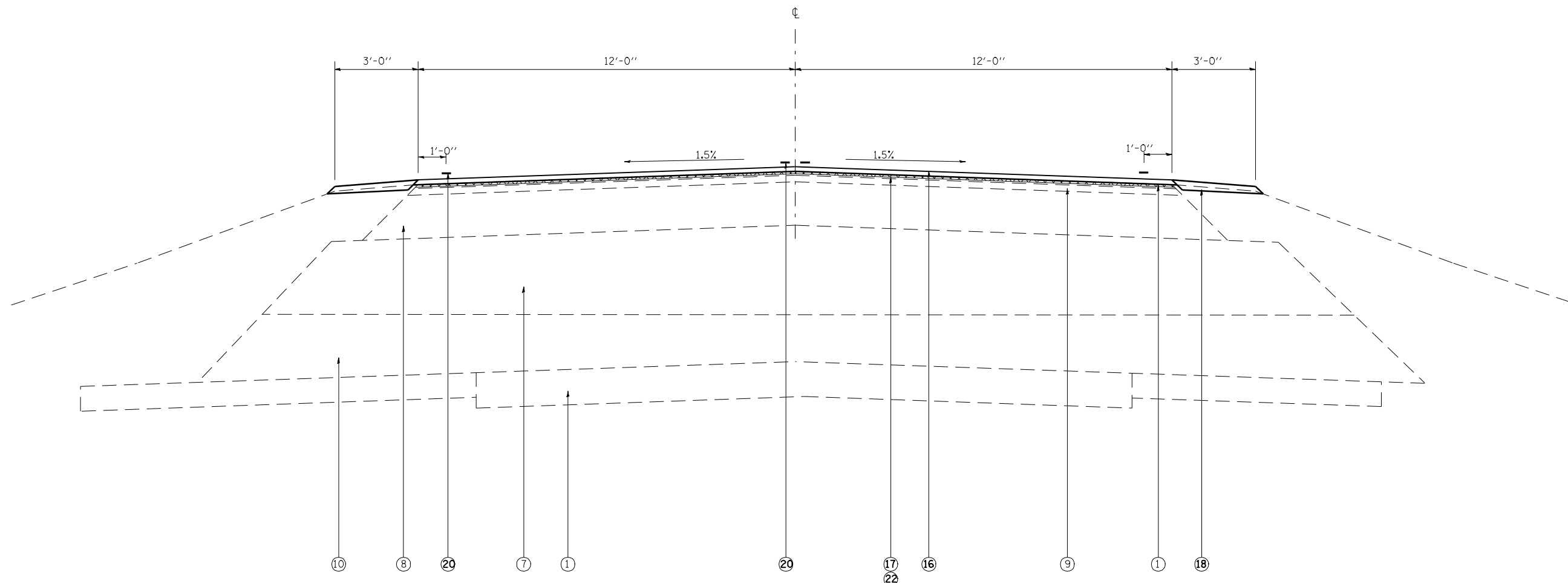
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(9,10); 11(RS-1,BI)	SCHUYLER	86	12
CONTRACT NO. 72802			ILLINOIS FED. AID PROJECT	



STA. 790+40 TO STA. 790+90

- ① EXIST. 6" AGG BASE COURSE AND SURFACE TREATMENT
- ② EXIST. BITUMINOUS CONCRETE BASE COURSE WIDENING, 8"
- ③ EXIST. LEVELING BINDER MACHINE METHOD VARIABLE THICKNESS
- ④ EXIST. BITUMINOUS CONCRETE BINDER COURSE (1 AT 4", 1 AT 2 1/2 ")
- ⑤ EXIST. BITUMINOUS CONCRETE SURFACE COURS MIX C, CL I 1 1/2 "
- ⑥ EXIST. BITUMINOUS SHOULDERS 8"
- ⑦ EXIST. GRANULAR EMBANKMENT SPECIAL
- ⑧ EXIST. BITUMINOUS BASE COURSE 8"
- ⑨ EXIST. BITUMINOUS CONCRETE BINDER COURSE 1 1/2 "
- ⑩ EXIST. SPECIAL AGGREGATE- SURGE PILE STONE
- ⑪ EXIST. 1 1/4 " BITUMINOUS CONCRETE SURFACE COURSE MIXTURE C, CLASS I
- ⑫ EXIST. 1 3/4 " BITUMINOUS CONCRETE BINDER COURSE
- ⑬ EXIST. 9" BITUMINOUS BASE COURSE
- ⑭ EXIST. SUB-BASE GRANULAR MATERIAL, TYPE B (3"MIN - 6"MAX)
- ⑮ EXIST. BITUMINOUS BINDER CONCRETE BINDER COURSE 2 1/2"
- ⑯ PROP. HMA SURFACE COURSE, MIX C, N50 1 1/2"
- ⑰ PROP. LEVELING BINDER (MACHINE METHOD) N50 3/4"
- ⑱ PROP. AGGREGATE SHOULDERS, TYPE B
- ⑲ PROP. HMA SHOULDERS, 3 3/4"
- ⑳ PROP. PAINT PAVEMENT MARKING -LINE 5"
- ㉑ PROP. HMA BINDER COURSE IL -19.0, N50 2 1/4"
- ㉒ PROP. HMA SURFACE REMOVAL VARIABLE DEPTH
- ㉓ PROP. HMA SHOULDERS 8"

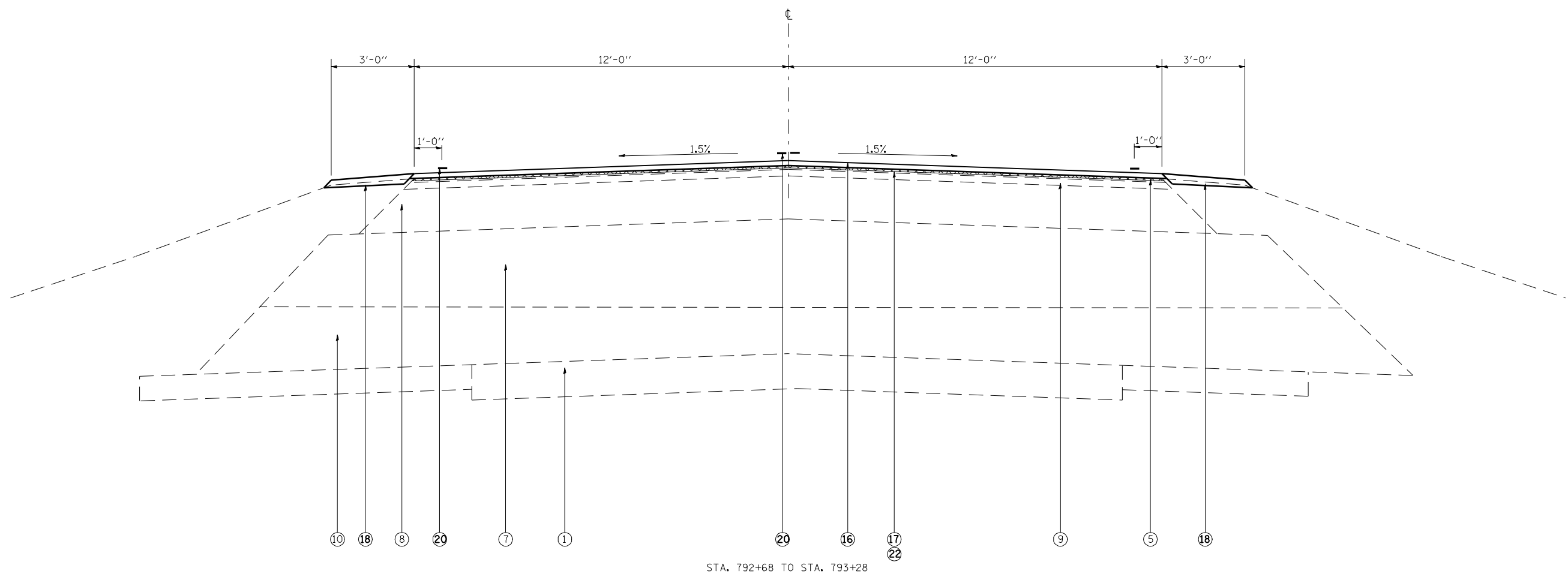
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(9,10); 11(RS-1,BI)	SCHUYLER	86	13
CONTRACT NO. 72802			ILLINOIS FED. AID PROJECT	



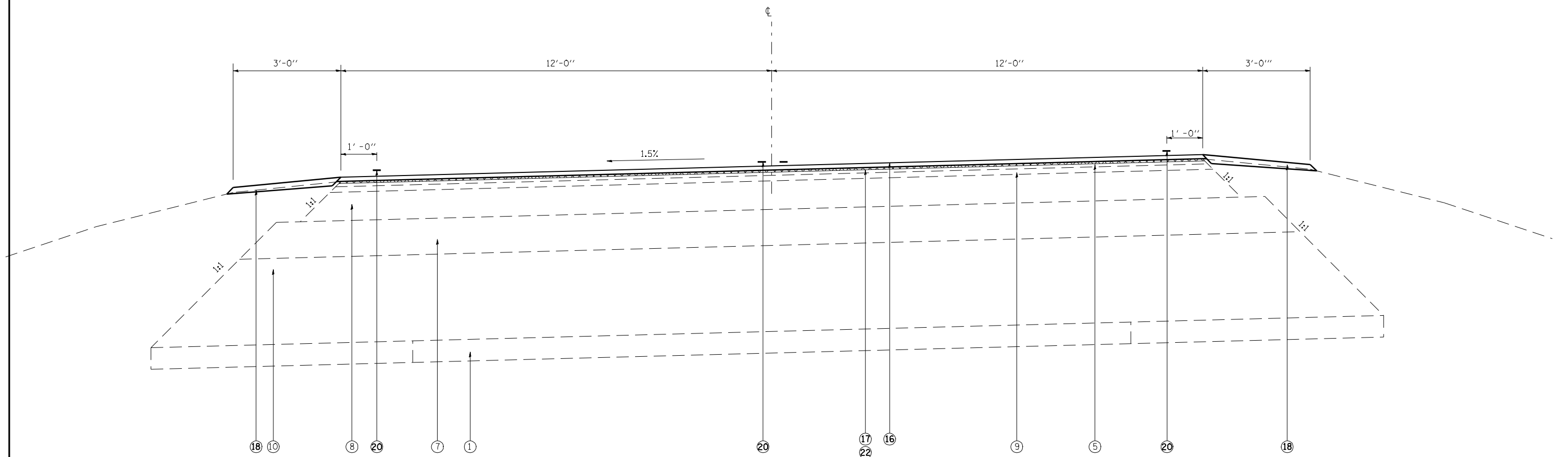
- ① EXIST. 6" AGG BASE COURSE AND SURFACE TREATMENT
- ② EXIST. BITUMINOUS CONCRETE BASE COURSE WIDENING, 8"
- ③ EXIST. LEVELING BINDER MACHINE METHOD VARIABLE THICKNESS
- ④ EXIST. BITUMINOUS CONCRETE BINDER COURSE (1 AT 4", 1 AT 2 1/2 ")
- ⑤ EXIST. BITUMINOUS CONCRETE SURFACE COURS MIX C, CL I 1 1/2 "
- ⑥ EXIST. BITUMINOUS SHOULDERS 8"
- ⑦ EXIST. GRANULAR EMBANKMENT SPECIAL
- ⑧ EXIST. BITUMINOUS BASE COURSE 8"
- ⑨ EXIST. BITUMINOUS CONCRETE BINDER COURSE 1 1/2 "
- ⑩ EXIST. SPECIAL AGGREGATE- SURGE PILE STONE
- ⑪ EXIST. 1 1/4 " BITUMINOUS CONCRETE SURFACE COURSE MIXTURE C, CLASS I
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- ⑬ EXIST. 9" BITUMINOUS BASE COURSE
- ⑭ EXIST. SUB-BASE GRANULAR MATERIAL, TYPE B (3"MIN - 6"MAX)
- ⑮ EXIST. BITUMINOUS BINDER CONCRETE BINDER COURSE 2 1/2"
- ⑯ PROP. HMA SURFACE COURSE, MIX C, N50 1 1/2"
- ⑰ PROP. LEVELING BINDER (MACHINE METHOD) N50 3/4"
- ⑱ PROP. AGGREGATE SHOULDERS, TYPE B
- ⑲ PROP. HMA SHOULDERS, 3 3/4"
- ⑳ PROP. PAINT PAVEMENT MARKING -LINE 5"
- ㉑ PROP. HMA BINDER COURSE IL -19.0, N50 2 1/4"
- ㉒ PROP. HMA SURFACE REMOVAL VARIABLE DEPTH
- ㉓ PROP. HMA SHOULDERS 8"

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(9,10); 11(RS-1,BI)	SCHUYLER	86	14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72802	



STA. 793+28 TO STA. 808+00

- ① EXIST. 6" AGG BASE COURSE AND SURFACE TREATMENT
- ② EXIST. BITUMINOUS CONCRETE BASE COURSE WIDENING, 8"
- ③ EXIST. LEVELING BINDER MACHINE METHOD VARIABLE THICKNESS
- ④ EXIST. BITUMINOUS CONCRETE BINDER COURSE (1 AT 4", 1 AT 2 1/2 ")
- ⑤ EXIST. BITUMINOUS CONCRETE SURFACE COURS MIX C, CL I 1 1/2 "
- ⑥ EXIST. BITUMINOUS SHOULDERS 8"
- ⑦ EXIST. GRANULAR EMBANKMENT SPECIAL
- ⑧ EXIST. BITUMINOUS BASE COURSE 8"
- ⑨ EXIST. BITUMINOUS CONCRETE BINDER COURSE 1 1/2 "
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- ⑪ EXIST. 1 1/4 " BITUMINOUS CONCRETE SURFACE COURSE MIXTURE C, CLASS I
- ⑫ EXIST. 1 3/4 " BITUMINOUS CONCRETE BINDER COURSE
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- ⑯ PROP. HMA SURFACE COURSE, MIX C, N50 1 1/2"
- ⑰ PROP. LEVELING BINDER (MACHINE METHOD) N50 3/4"
- ⑱ PROP. AGGREGATE SHOULDERS, TYPE B
- ⑲ PROP. HMA SHOULDERS, 3 3/4"
- ⑳ PROP. PAINT PAVEMENT MARKING -LINE 5"
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- ㉒ PROP. HMA SURFACE REMOVAL VARIABLE DEPTH
- ㉓ PROP. HMA SHOULDERS 8"

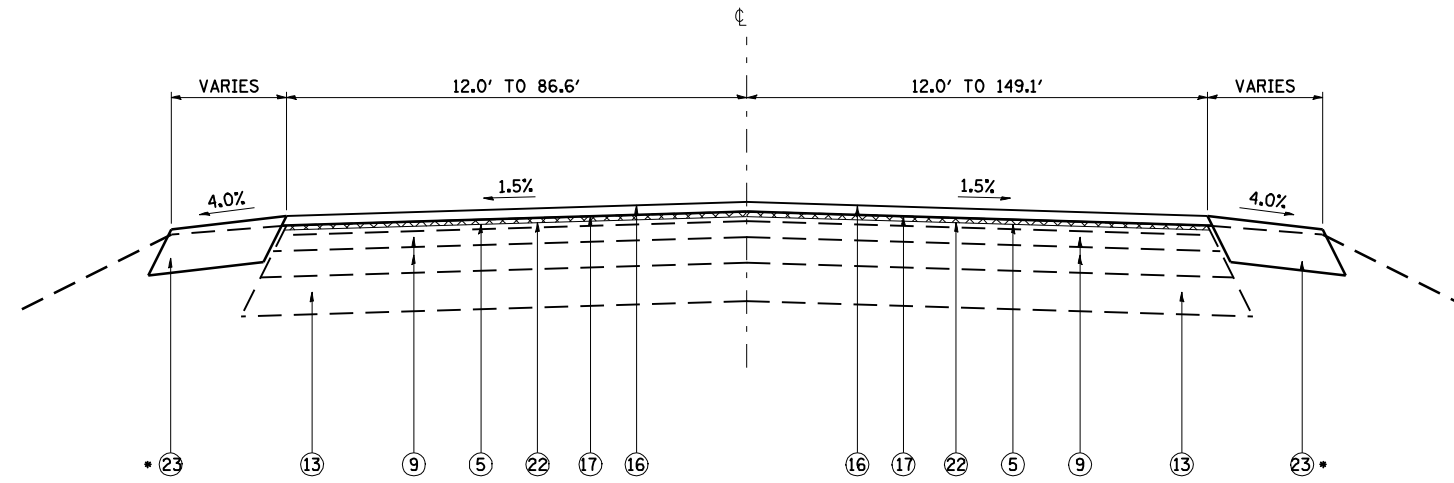
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(9,10); 11(RS-1,BI)	SCHUYLER	86	15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72802	

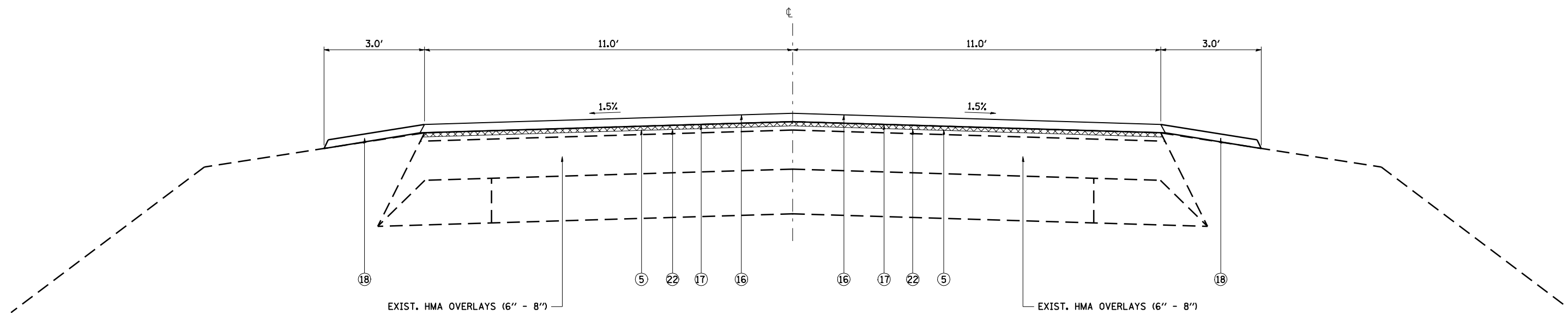


STA. 896+10 TO STA. 898+15.85

• LT & RT, STA. 896+62 TO 898+16, HMA SHLD. (4.0')

- ① EXIST. 6" AGG BASE COURSE AND SURFACE TREATMENT
- ② EXIST. BITUMINOUS CONCRETE BASE COURSE WIDENING, 8"
- ③ EXIST. LEVELING BINDER MACHINE METHOD VARIABLE THICKNESS
- ④ EXIST. BITUMINOUS CONCRETE BINDER COURSE (1 AT 4", 1 AT 2 1/2 ")
- ⑤ EXIST. BITUMINOUS CONCRETE SURFACE COURS MIX C, CL I 1 1/2 "
- ⑥ EXIST. BITUMINOUS SHOULDERS 8"
- ⑦ EXIST. GRANULAR EMBANKMENT SPECIAL
- ⑧ EXIST. BITUMINOUS BASE COURSE 8"
- ⑨ EXIST. BITUMINOUS CONCRETE BINDER COURSE 1 1/2 "
- ⑩ EXIST. SPECIAL AGGREGATE- SURGE PILE STONE
- ⑪ EXIST. 1 1/4 " BITUMINOUS CONCRETE SURFACE COURSE MIXTURE C, CLASS I
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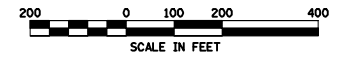
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PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 72802									
PLOT DATE = Apr-06-2010 12:01:21PM	DATE -	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



IL 101
 STA. 8+53.00 TO STA. 12+09.00

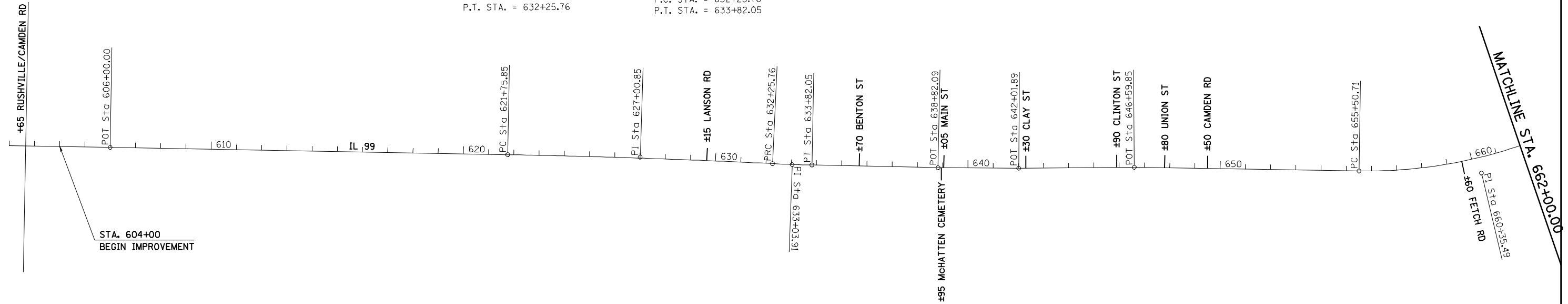
- ① EXIST. 6" AGG BASE COURSE AND SURFACE TREATMENT
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- ③ EXIST. LEVELING BINDER MACHINE METHOD VARIABLE THICKNESS
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- ⑥ EXIST. BITUMINOUS SHOULDERS 8"
- ⑦ EXIST. GRANULAR EMBANKMENT SPECIAL
- ⑧ EXIST. BITUMINOUS BASE COURSE 8"
- ⑨ EXIST. BITUMINOUS CONCRETE BINDER COURSE 1 1/2 "
- ⑩ EXIST. SPECIAL AGGREGATE- SURGE PILE STONE
- ⑪ EXIST. 1 1/4 " BITUMINOUS CONCRETE SURFACE COURSE MIXTURE C, CLASS I
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- ㉓ PROP. HMA SHOULDERS 8"

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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		CHECKED -	REVISED -								CONTRACT NO. 72802			
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT			



EXIST. CURVE CALC2590
 PI STA. = 627+00.85
 $\Delta = 1^\circ 44' 46''$ (RT)
 D = $0^\circ 09' 59''$
 R = 34,451.37'
 T = 525.00'
 L = 1,049.92'
 E = 4.00'
 e = N.C.
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 621+75.85
 P.T. STA. = 632+25.76

EXIST. CURVE CALC2591
 PI STA. = 633+03.91
 $\Delta = 1^\circ 34' 46''$ (LT)
 D = $1^\circ 00' 38''$
 R = 5,669.57'
 T = 78.15'
 L = 156.29'
 E = 0.54'
 e = N.C.
 T.R. = ----
 S.E. RUN = ----
 P.C. STA. = 632+25.76
 P.T. STA. = 633+82.05



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
e:\pwork\PWIDOT\LAUGHLINRL\dms25016\672802-sht-1\mediagram10.dgn		DRAWN -	REVISED -
PLOT SCALE = 400.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = Apr-06-2010 12:01:25PM		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT SHEETS

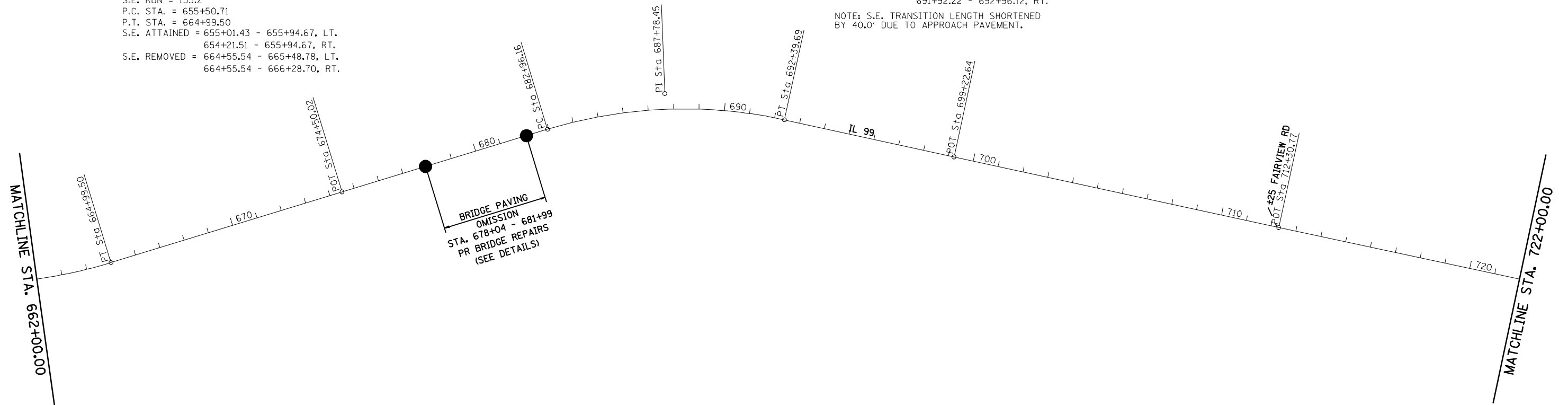
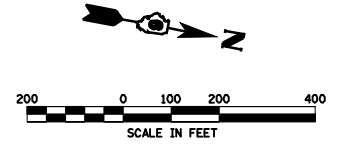
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(9,10); 11(RS-1,BI)	SCHUYLER	86	18
CONTRACT NO. 72802			ILLINOIS FED. AID PROJECT	

EXIST. CURVE CALC2595
 PI STA. = 660+35.49
 $\Delta = 28^\circ 59' 40''$ (LT)
 $D = 3^\circ 03' 21''$
 $R = 1,874.88'$
 $T = 484.78'$
 $L = 948.78'$
 $E = 61.66'$
 $e = 5\%$
 $T.R. = 39.96$
 $S.E. RUN = 133.2$
 $P.C. STA. = 655+50.71$
 $P.T. STA. = 664+99.50$
 $S.E. ATTAINED = 655+01.43 - 655+94.67, LT.$
 $654+21.51 - 655+94.67, RT.$
 $S.E. REMOVED = 664+55.54 - 665+48.78, LT.$
 $664+55.54 - 666+28.70, RT.$

EXIST. CURVE CALC2597
 PI STA. = 687+78.45
 $\Delta = 29^\circ 15' 00''$ (RT)
 $D = 3^\circ 06' 00''$
 $R = 1,848.23'$
 $T = 482.29'$
 $L = 943.54'$
 $E = 61.89'$
 $e = 5.40\%$
 $T.R. = 39.96$
 $S.E. RUN = 143.86$
 $P.C. STA. = 682+96.16$
 $P.T. STA. = 692+39.69$
 $S.E. ATTAINED = 681+99.00 - 683+43.63, LT.$
 $682+65.75 - 683+43.63, RT.$
 $S.E. REMOVED = 691+92.22 - 693+76.04, LT.$
 $691+92.22 - 692+96.12, RT.$

NOTE: S.E. TRANSITION LENGTH SHORTENED BY 40.0' DUE TO APPROACH PAVEMENT.



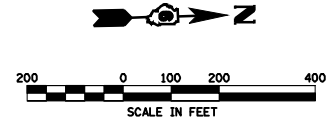
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	PLOT SCALE = 400.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = Apr-06-2010 12:01:27PM	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

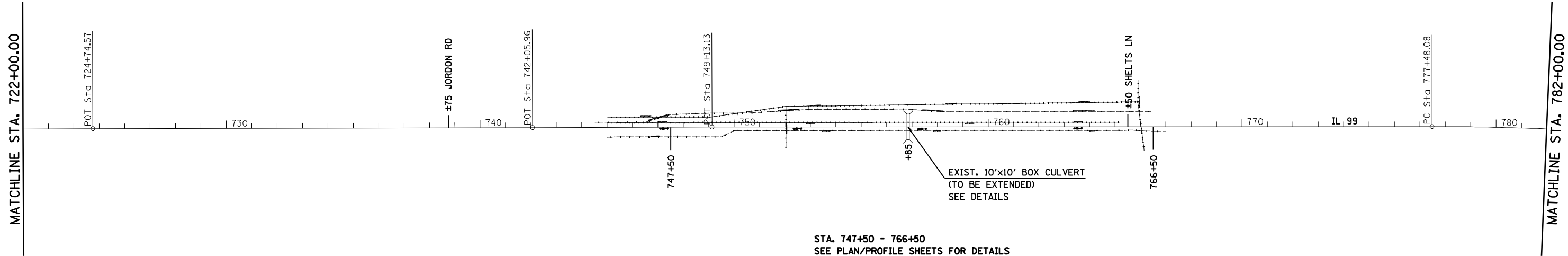
ALIGNMENT SHEETS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(9,10); 11(RS-1,B1)	SCHUYLER	86	19
CONTRACT NO. 72802			ILLINOIS FED. AID PROJECT	

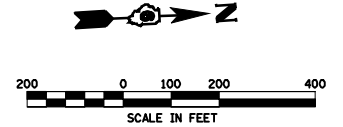


EXIST. CURVE CALC1
 PI STA. = 782+95.55
 Δ = 5° 42' 36" (RT)
 D = 0° 31' 19"
 R = 10,977.74'
 T = 547.47'
 L = 1,094.02'
 E = 13.64'
 e = 1.50%
 T.R. = 39.96
 S.E. RUN = 39.96
 P.C. STA. = 777+48.08
 P.T. STA. = 788+42.11
 S.E. ATTAINED = 776+94.53 - 777+74.45, LT.
 N.C. - N.C., RT.
 S.E. REMOVED = 788+15.74 - 788+95.66, LT.
 N.C. - N.C., RT.

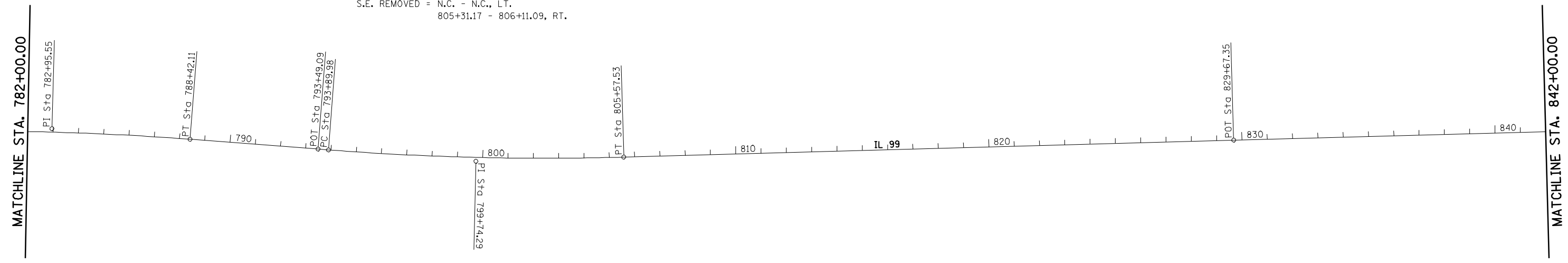


STA. 747+50 - 766+50
 SEE PLAN/PROFILE SHEETS FOR DETAILS

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
e:\pwork\PWIDOT\LAUGHLINRL\dms25016\0672802-sh-t-l\mediagram10.dgn	DRAWN -	REVISED -	550					(9,10); 11(RS-1,B1)	SCHUYLER	86	20	
PLOT SCALE = 400.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 72802									
PLOT DATE = Apr-06-2010 12:01:30PM	DATE -	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



EXIST. CURVE CALC2501
 PI STA. = 799+74.29
 $\Delta = 5^\circ 59' 31''$ (LT)
 $D = 0^\circ 30' 48''$
 $R = 11,164.32'$
 $T = 584.31'$
 $L = 1,167.55'$
 $E = 15.28'$
 $e = 1.50\%$
 $T.R. = 39.96$
 $S.E. RUN = 39.96$
 $P.C. STA. = 793+89.98$
 $P.T. STA. = 805+57.53$
 $S.E. ATTAINED = N.C. - N.C., LT.$
 $793+36.43 - 794+16.35, RT.$
 $S.E. REMOVED = N.C. - N.C., LT.$
 $805+31.17 - 806+11.09, RT.$

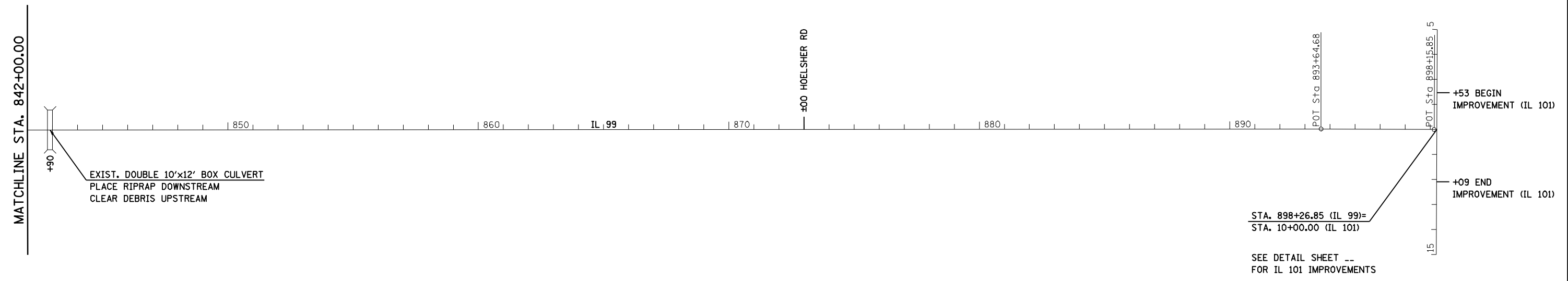
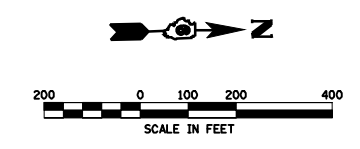


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PLOT DATE = Apr-06-2010 12:01:33PM		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(9,10); 11(RS-1,B1)	SCHUYLER	86	21
CONTRACT NO. 72802				
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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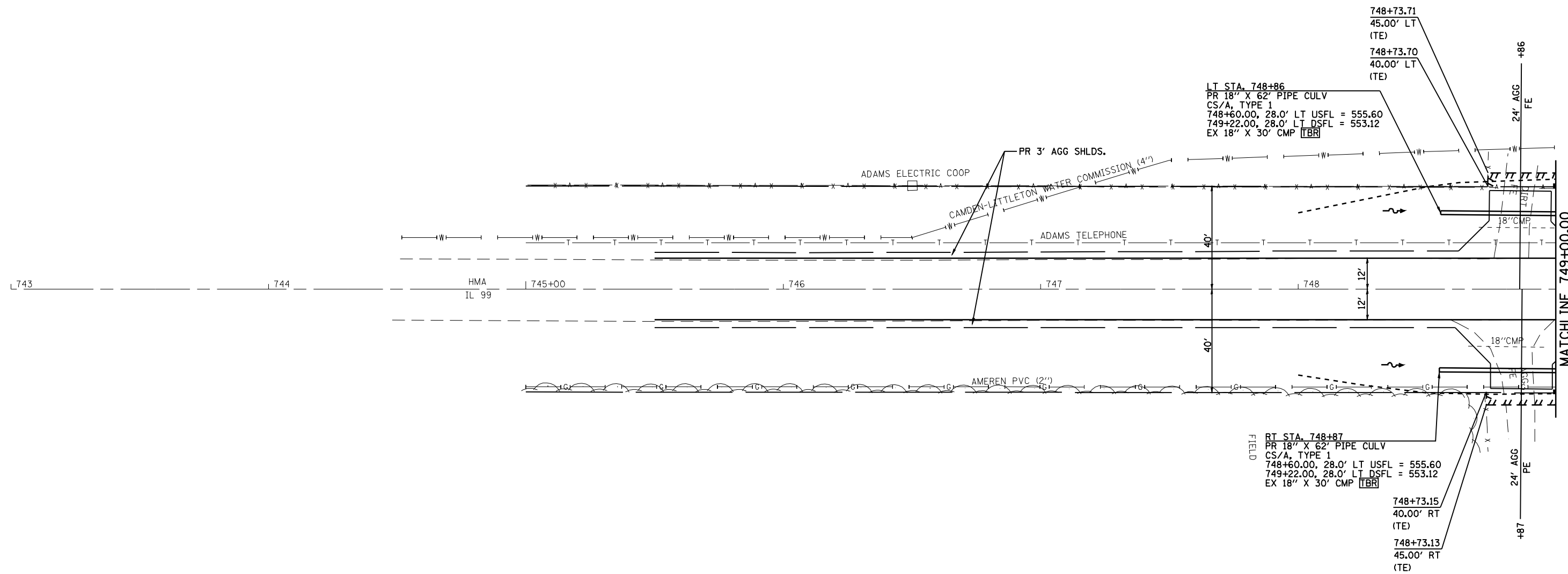
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(9,10); 11(RS-1,B1)	SCHUYLER	86	22
CONTRACT NO.			72802	
ILLINOIS FED. AID PROJECT				

6039109TE-1

RUSSELL F. SHELTS, TRUST



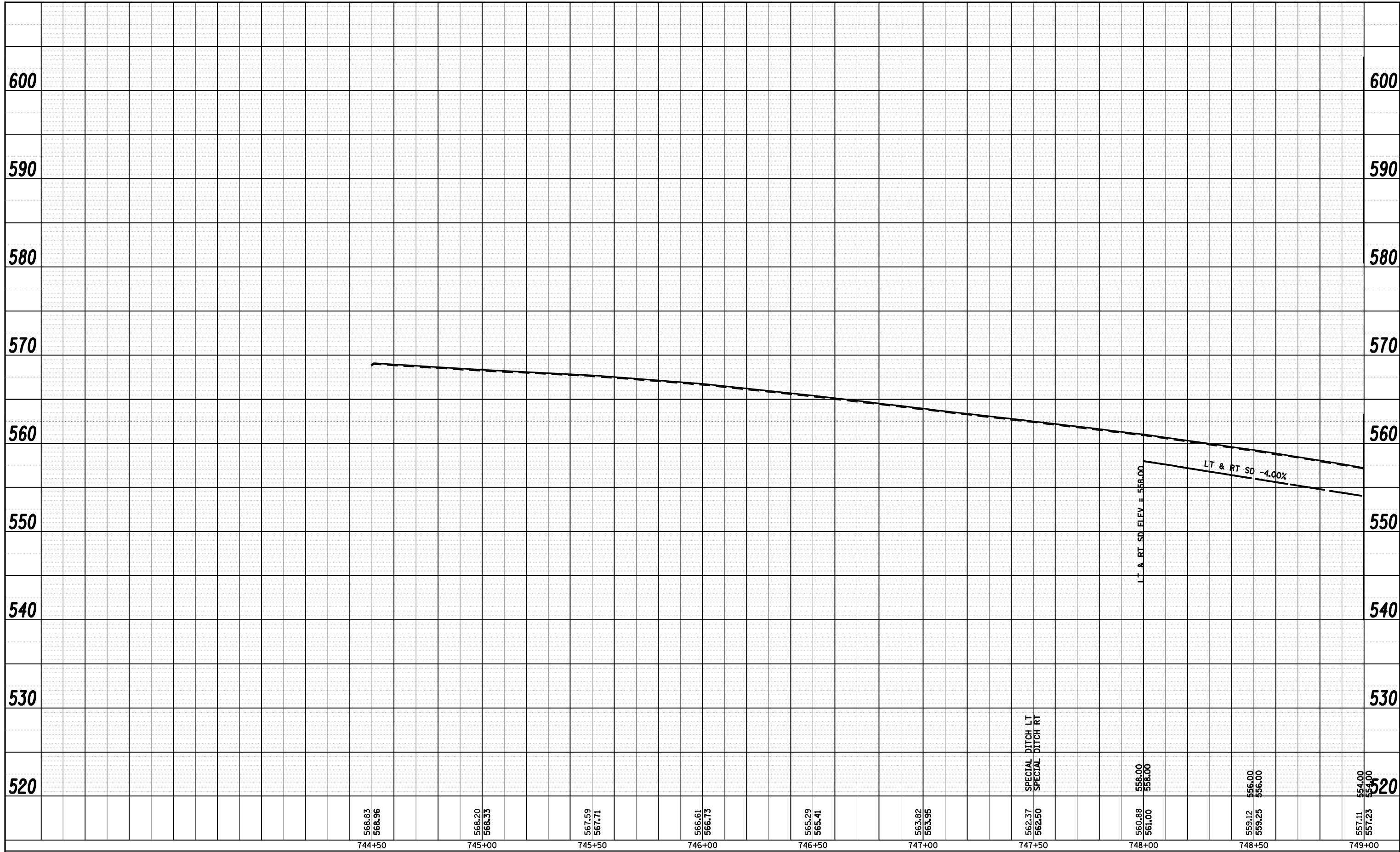
6039110 & TE

PETERS SPRINGDALE FARM, INC.

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
e:\pwork\pwidot\LAUGHLINRL\dms25016\653103.sht.pln.dgn		DRAWN -	REVISED -					550	(9,10); 11(RS-1,BI)	SCHUYLER	86	23
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA. 748+00	TO STA. 749+00	CONTRACT NO. 72802		
	PLOT DATE = Apr-06-2010 12:01:39PM	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	CADD FILE NAME		
NOTE BOOK NO.			

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
NOTE BOOK NO.			



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

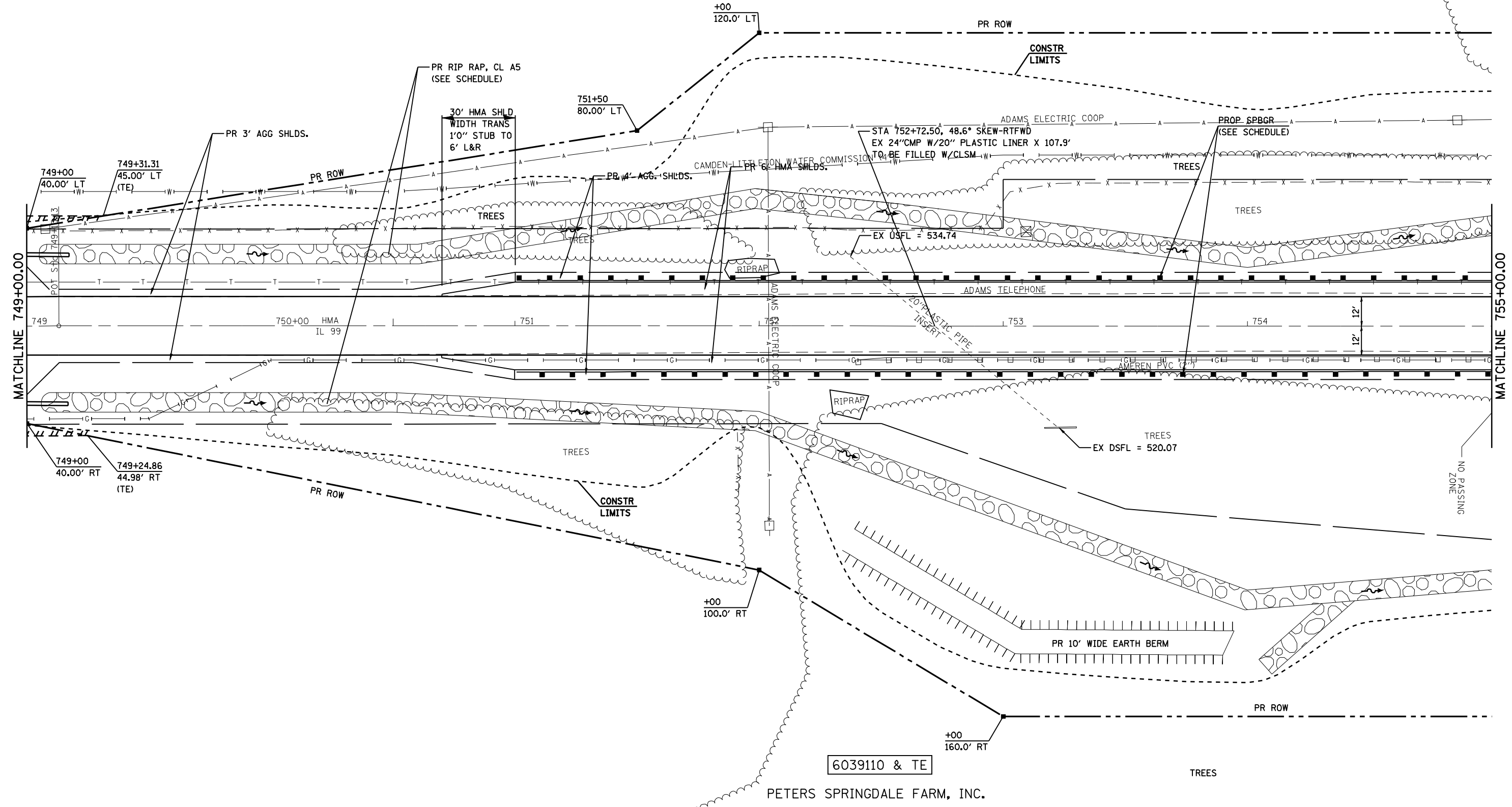
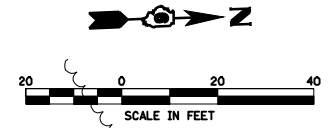
SCALE: SHEET NO. OF SHEETS STA. TO STA.

PROFILE SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(9,10); 11(RS-1,B1)	SCHUYLER	86	24
CONTRACT NO. 72802			ILLINOIS FED. AID PROJECT	

6039109A

RUSSELL F. SHELTS, TRUST



6039110 & TE

PETERS SPRINGDALE FARM, INC.

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
er\pwwork\PWIDOT\LAUGHLINRL\dms25016\653103.sht.pln.dgn		DRAWN -	REVISED -
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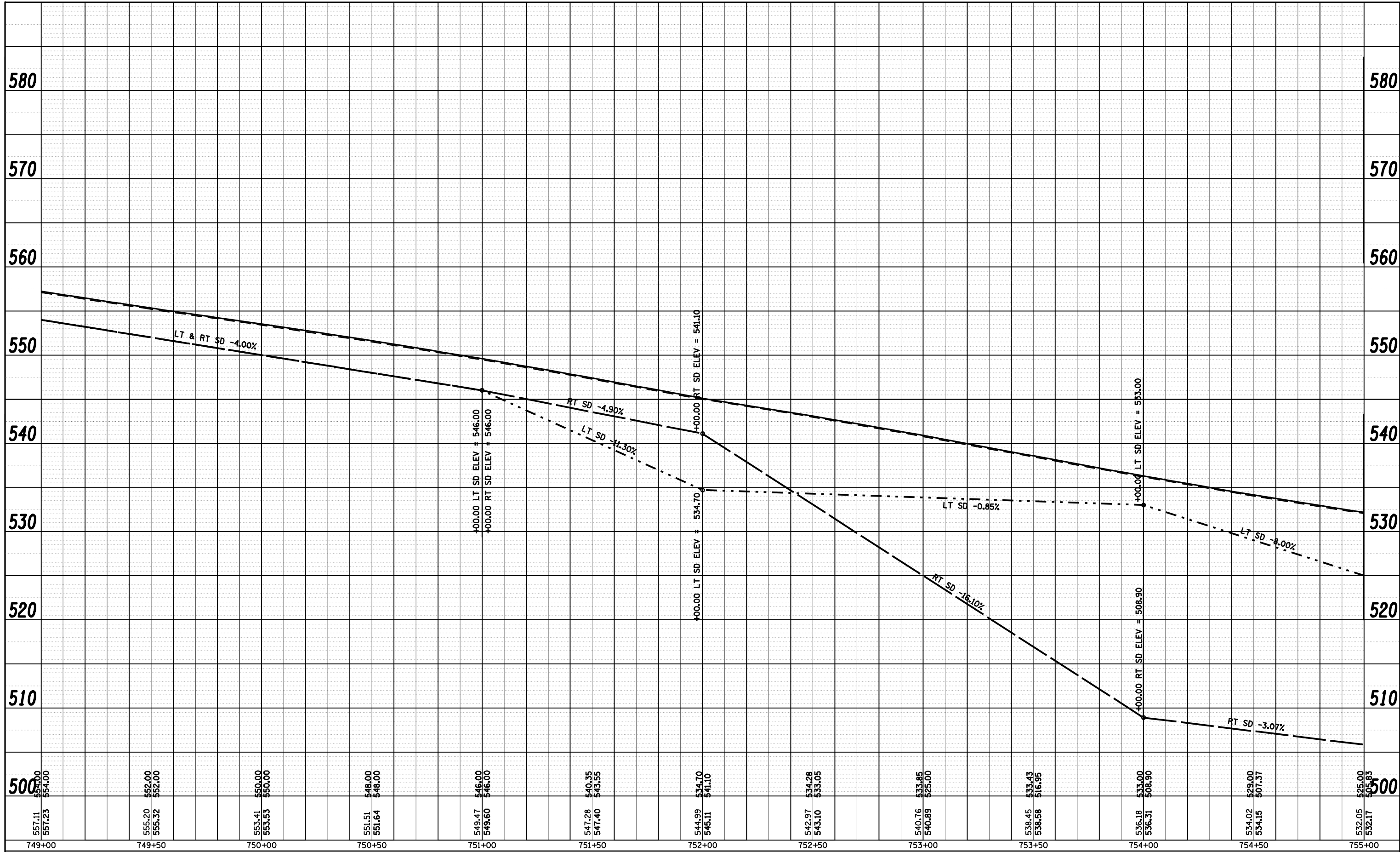
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS	
SCALE:	SHEET NO. OF SHEETS STA. 749+00 TO STA. 755+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(9,10); 11(RS-1,B1)	SCHUYLER	86	25
CONTRACT NO. 72802				
ILLINOIS FED. AID PROJECT				

PLAN	SUPERVIEW	BY	DATE
NOTE BOOK	ALIGNED		
NO.	CADD FILE NAME		

PROFILE	SUPERVIEW	BY	DATE
NOTE BOOK	GRADES CHECKED		
NO.	STRUCTURE NOTATION CHKD		



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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PLOT DATE = Apr-06-2010 12:01:47PM		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(9,10); 11(RS-1,B1)	SCHUYLER	86	26
CONTRACT NO. 72802			ILLINOIS FED. AID PROJECT	

6039109A

RUSSELL F. SHELTS, TRUST



STA 756+85.00, 15° SKEW-RTFWD
EX 10' X 10' RC BOX CULV TO BE EXTENDED
(SEE DETAILS)

+00
155.0' LT

+00
155.0' LT

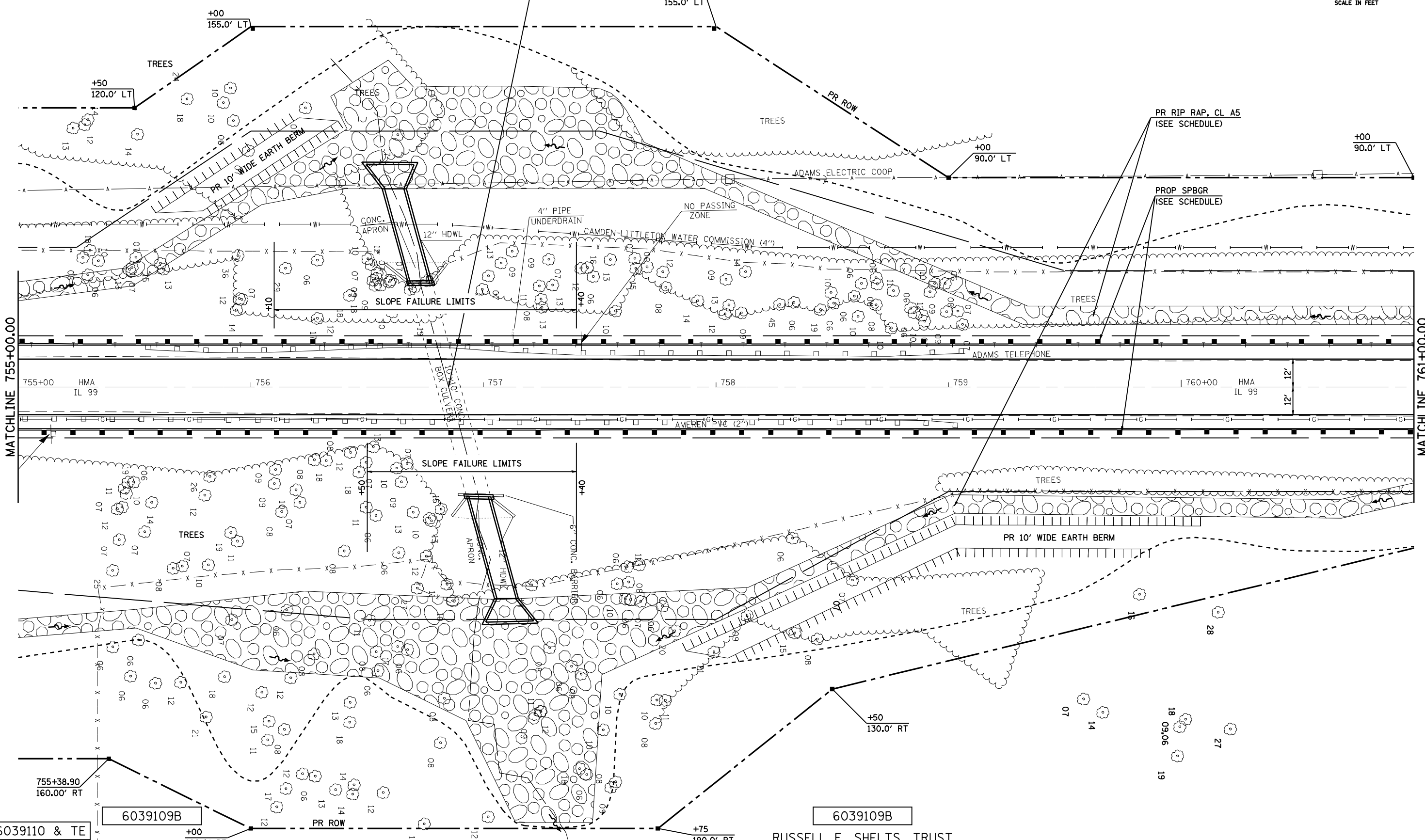
+50
120.0' LT

+00
90.0' LT

+00
90.0' LT

PR RIP RAP, CL A5
(SEE SCHEDULE)

PROP SPBGR
(SEE SCHEDULE)



MATCHLINE 755+00.00

MATCHLINE 761+00.00

6039110 & TE

6039109B

6039109B

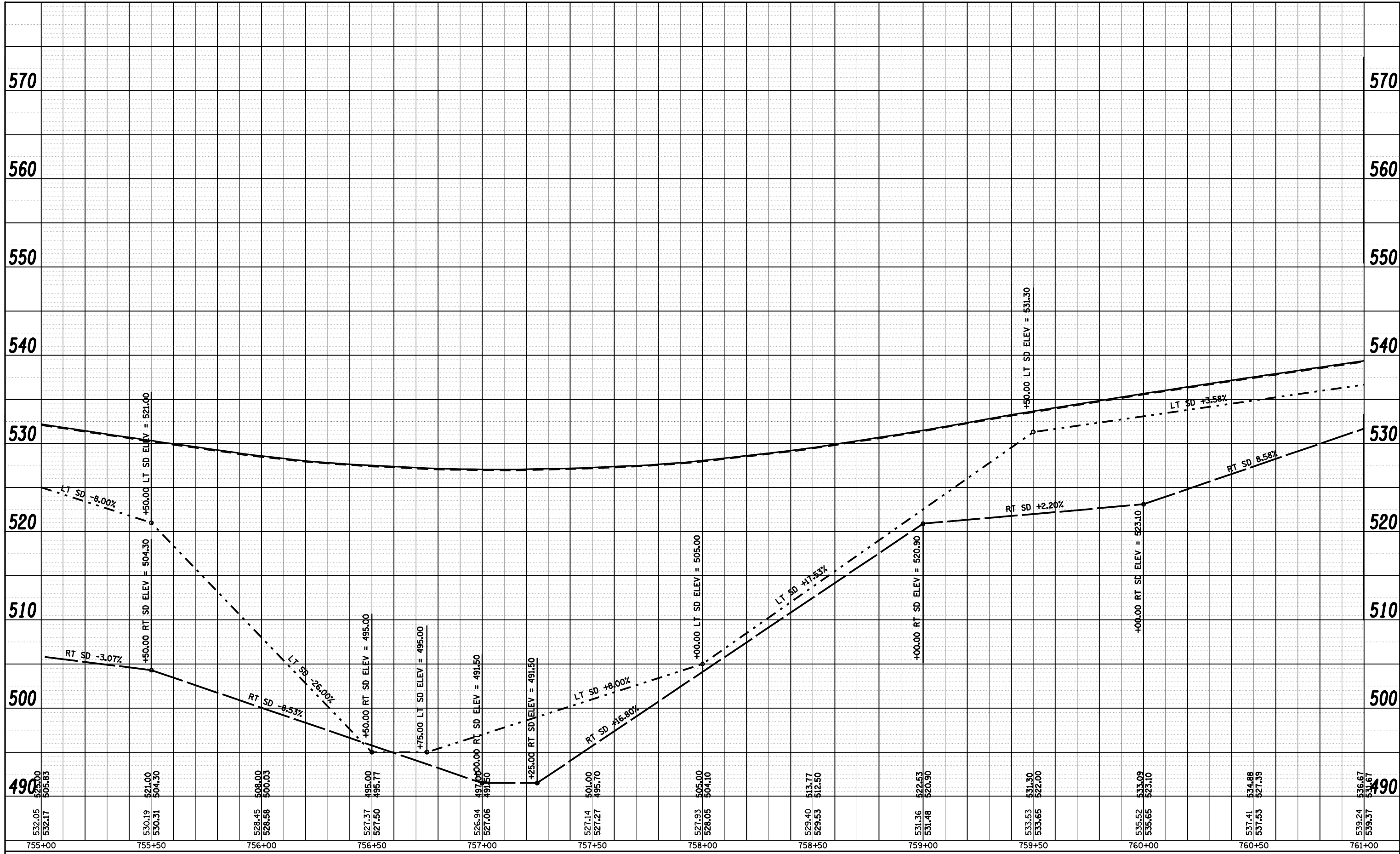
RUSSELL F. SHELTS, TRUST

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
es:\pwork\PWIDOT\LAUGHLINRL\dms25016\653103_sht.pln.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA. 755+00	TO STA. 761+00	9501	11(RS-1,BI)	SCHUYLER	86	27
		CHECKED -	REVISED -											
		DATE -	REVISED -											

ILLINOIS FED. AID PROJECT

PLAN	SUBMITTED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	CADD FILE NAME		
NOTE BOOK NO.			

PROFILE	SUBMITTED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS OK'D		
NOTE BOOK NO.			



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
c:\pwork\PWIDOT\LAUGHLINRL\dms25016\d683103.sht.profile.dgn		DRAWN -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

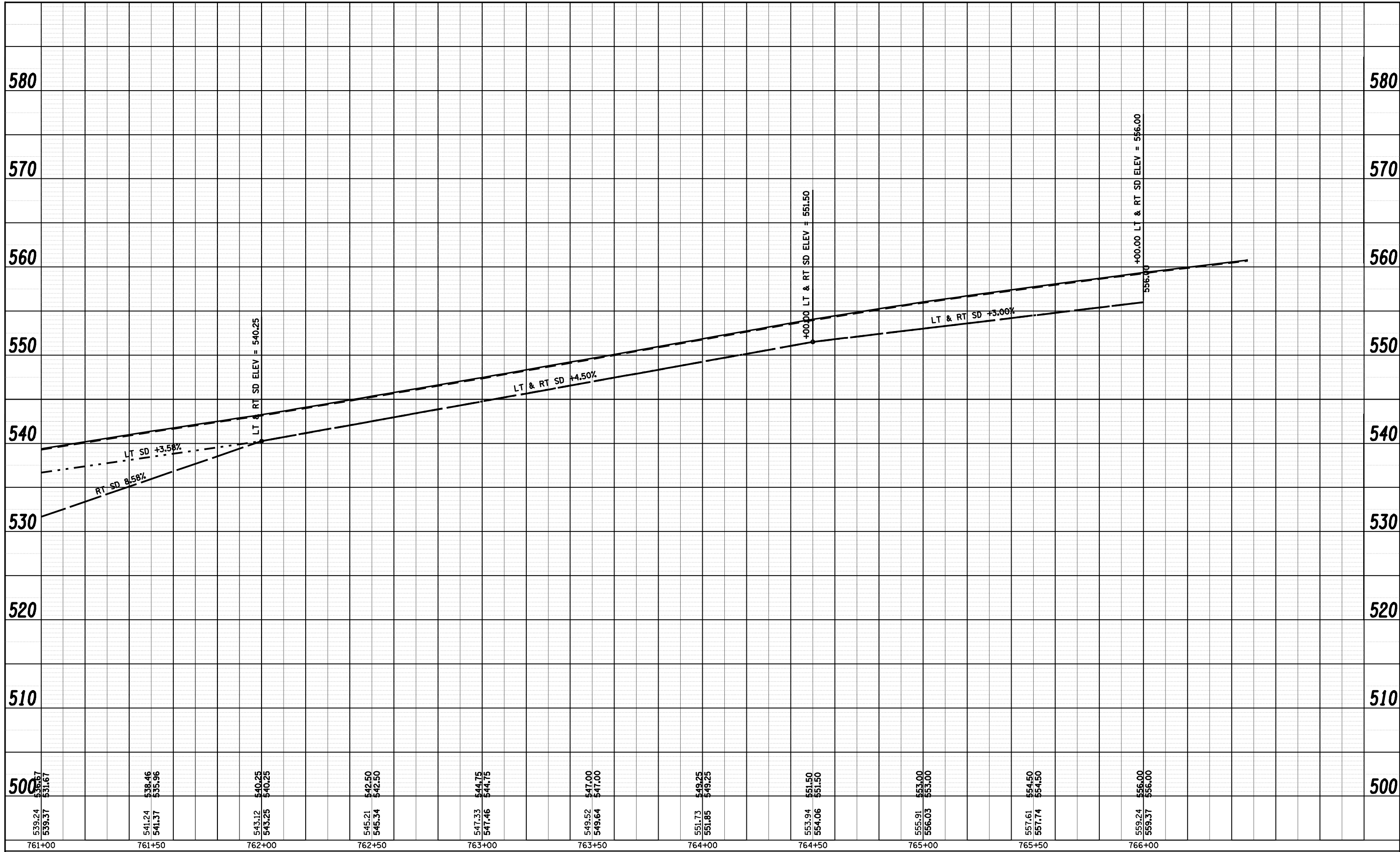
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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PROFILE SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(9,10); 11(RS-1,B1)	SCHUYLER	86	28
CONTRACT NO. 72802			ILLINOIS FED. AID PROJECT	

PLAN	SUPERVIEWED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	CADD FILE NAME		
	NO.		

PROFILE	SUPERVIEWED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOTATIS CHKD		
	NO.		



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

PROFILE SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(9,10)I; 11(RS-1,BI)	SCHUYLER	86	30
CONTRACT NO. 72802			ILLINOIS FED. AID PROJECT	

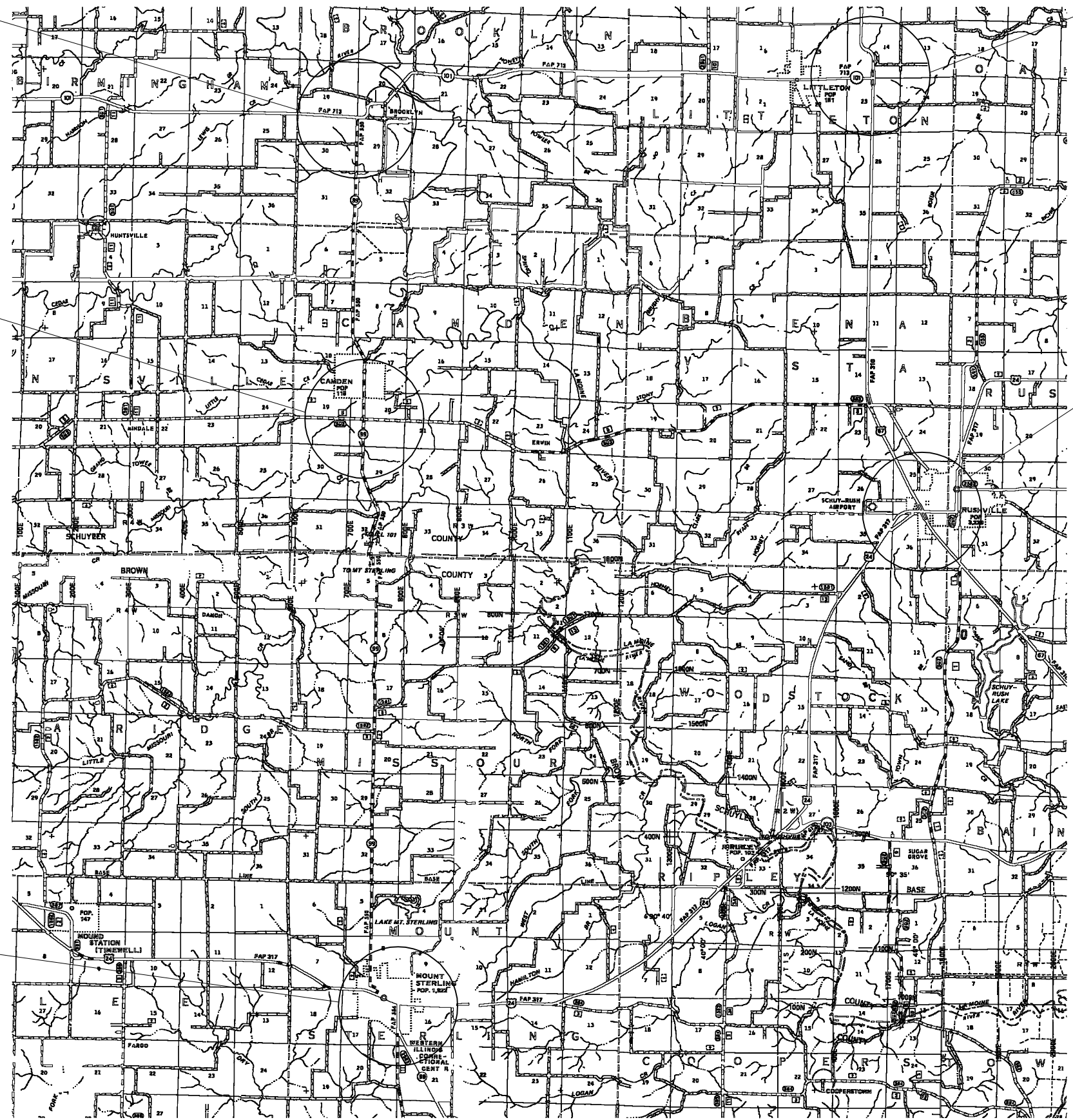
DETAIL B

DETAIL C

DETAIL E

DETAIL D

DETAIL A



SEE SHEETS 32 - 34 FOR DETAILS
 NOT TO SCALE

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETOUR ROUTE PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
e:\pwork\pwidot\LAUGHLINRL\0188256\0672802-sht-detourplan\RC.dgn		DRAWN -	REVISED -		550	(9, 10); 11(RS-1, BD)	SCHUYLER	86	31				
PLOT SCALE = 7.5000' / IN.		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO.				
PLOT DATE = Apr-06-2010 12:02:00PM		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

SIGN LEGEND

1

ILLINOIS ROUTE 99
 CLOSED 1 MILE
 NORTH OF CAMDEN
 FOLLOW MARKED DETOUR

5"-C LETTERING
BLACK ON ORANGE

2

IL 99
 CLOSED
 13 MILES AHEAD
 NORTH OF CAMDEN

5"-C LETTERING
BLACK ON ORANGE

3

DETOUR
NORTH
IL
99

M4-8 24x12
M3-1 24x12
M1-I100 24x24

A

OR

B

M5-1 21x15 M6-1 21x15

4

DETOUR
NORTH
IL
99

M4-8 24x12
M3-1 24x12
M1-I100 24x24

M6-3 21x15

5

DETOUR
NORTH
IL
99

M4-8 24x12
M3-1 24x12
M1-I100 24x24

A

OR

B

M5-1 21x15 M6-1 21x15

6

END
DETOUR
IL
99

M4-8b 24x12
M4-8 24x12
M1-I100 24x24

7

IL 99
CLOSED
2 MILES
AHEAD

5"-C LETTERING
BLACK ON ORANGE

8

ILLINOIS ROUTE 99
 CLOSED 2 MILES
 SOUTH OF IL 101
 FOLLOW MARKED DETOUR

5"-C LETTERING
BLACK ON ORANGE

9

DETOUR
SOUTH
IL
99

M4-8 24x12
M3-1 24x12
M1-I100 24x24

M6-3 21x15

10

DETOUR
SOUTH
IL
99

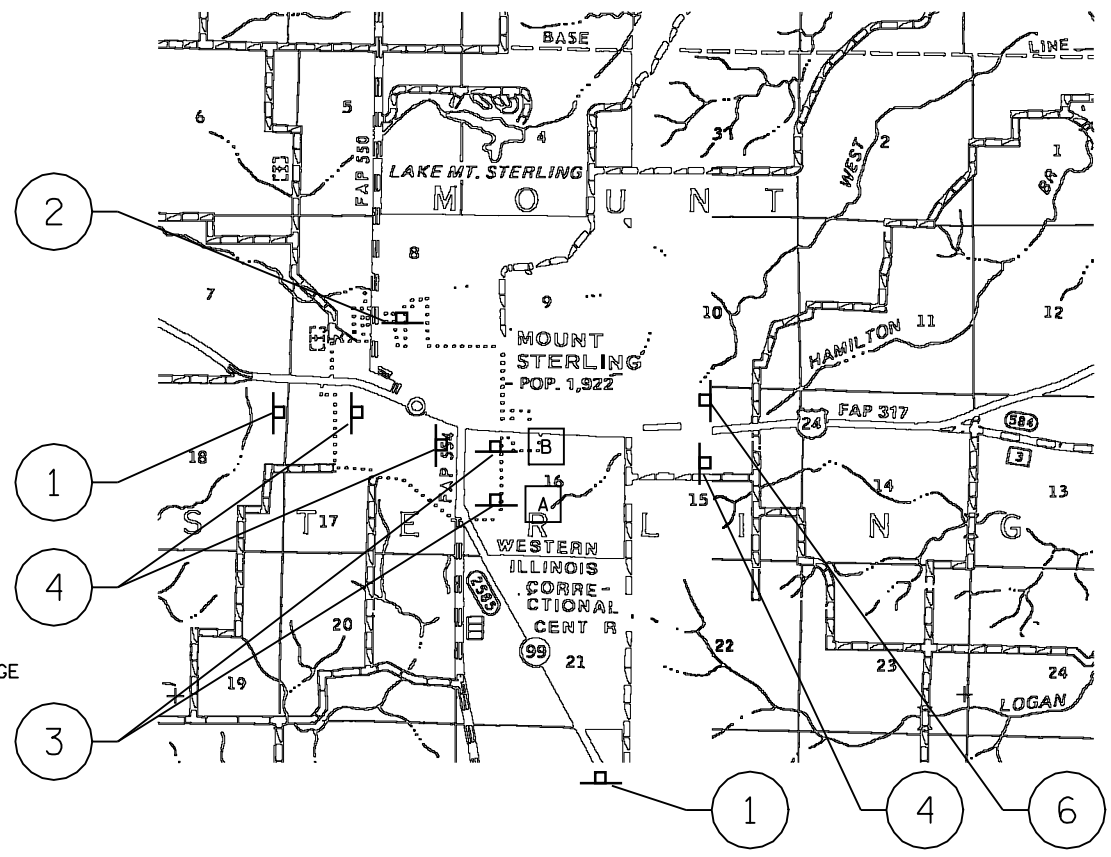
M4-8 24x12
M3-1 24x12
M1-I100 24x24

A

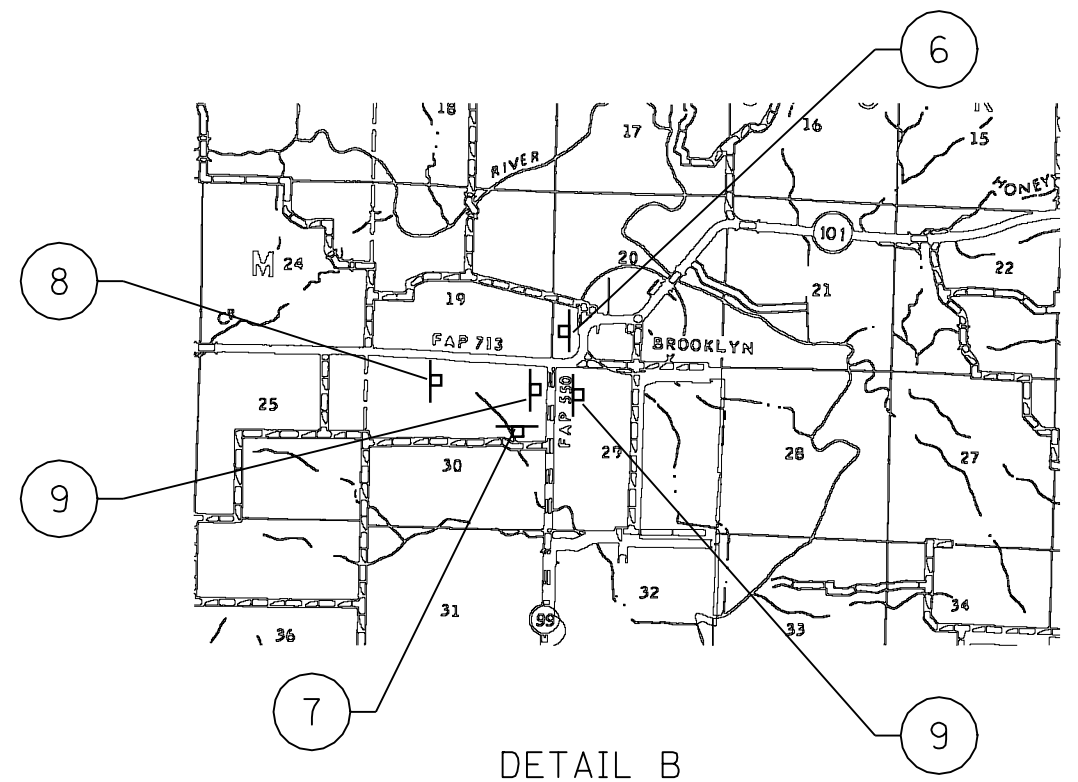
OR

B

M5-1 21x15 M6-1 21x15



DETAIL A
MT. STERLING



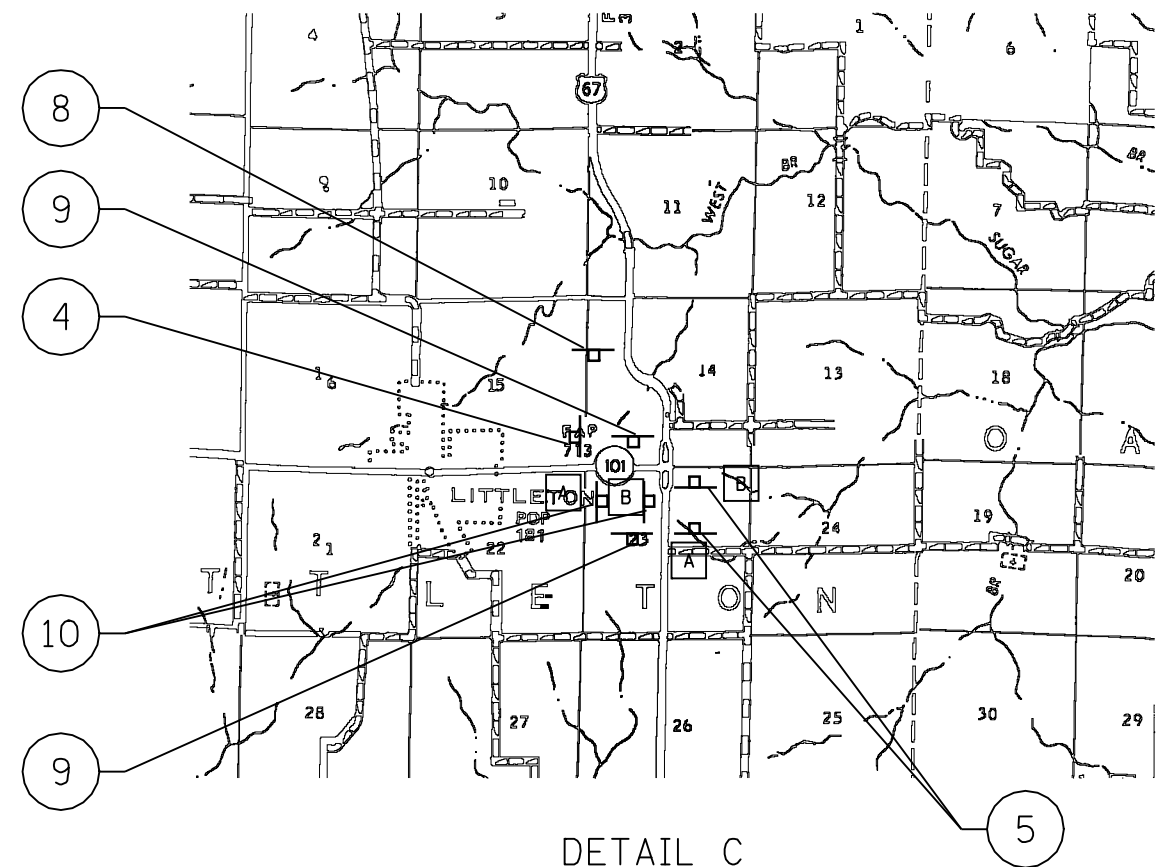
DETAIL B
JCT. IL 99/ IL 101

NOT TO SCALE

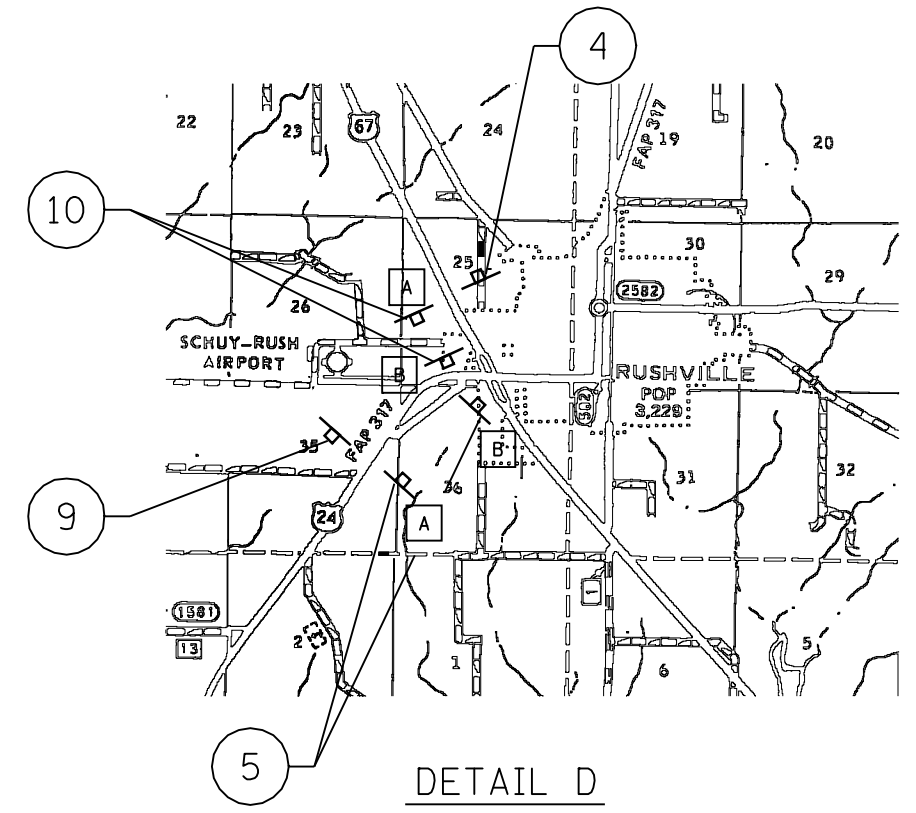
FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETOUR ROUTE PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
er:\pwork\PWIDOT\LAUGHLINRL\0188256\0672802-sh-t-detourplan\RC.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	550	(9, 10); 11(RS-1,BD)	SCHUYLER	86	32
PLOT SCALE = 7.5000' / IN.		CHECKED -	REVISED -												
PLOT DATE = Apr-06-2010 12:02:09PM		DATE -	REVISED -												
											CONTRACT NO.			ILLINOIS FED. AID PROJECT	

SIGN LEGEND

<p>1</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> ILLINOIS ROUTE 99 CLOSED 1 MILE NORTH OF CAMDEN FOLLOW MARKED DETOUR </div> <p>5"-C LETTERING BLACK ON ORANGE</p>	<p>6</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> END DETOUR IL 99 </div> <p>M4-8b 24x12 M4-8 24x12 M1-I100 24x24</p>																				
<p>2</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> IL 99 CLOSED 13 MILES AHEAD NORTH OF CAMDEN </div> <p>5"-C LETTERING BLACK ON ORANGE</p>	<p>7</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> IL 99 CLOSED 2 MILES AHEAD </div> <p>5"-C LETTERING BLACK ON ORANGE</p>																				
<p>3</p> <table border="0"> <tr> <td style="border: 1px solid black; padding: 2px;">DETOUR</td> <td>M4-8 24x12</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">NORTH</td> <td>M3-1 24x12</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">IL 99</td> <td>M1-I100 24x24</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px;">A </td> <td>OR B </td> </tr> <tr> <td>M5-1 21x15</td> <td>M6-1 21x15</td> </tr> </table>	DETOUR	M4-8 24x12	NORTH	M3-1 24x12	IL 99	M1-I100 24x24	A	OR B	M5-1 21x15	M6-1 21x15	<p>8</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> ILLINOIS ROUTE 99 CLOSED 2 MILES SOUTH OF IL 101 FOLLOW MARKED DETOUR </div> <p>5"-C LETTERING BLACK ON ORANGE</p>										
DETOUR	M4-8 24x12																				
NORTH	M3-1 24x12																				
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A	OR B																				
M5-1 21x15	M6-1 21x15																				



DETAIL C
JCT. US 67/ IL 101



DETAIL D
RUSHVILLE



NOT TO SCALE

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETOUR ROUTE PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
er:\pwork\pwork\LAUGHLINRL\0188256\0672802-sh-t-detourplan\RC.dgn		DRAWN -	REVISED -		550	(9, 10); 11(RS-1,BD)	SCHUYLER	86	33				
PLOT SCALE = 7.5000' / IN.		CHECKED -	REVISED -		CONTRACT NO.								
PLOT DATE = Apr-06-2010 12:02:12PM		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				

SIGN LEGEND



1

ILLINOIS ROUTE 99
 CLOSED 1 MILE
 NORTH OF CAMDEN
 FOLLOW MARKED DETOUR

5"-C LETTERING
BLACK ON ORANGE

2

IL 99
 CLOSED
 13 MILES AHEAD
 NORTH OF CAMDEN

5"-C LETTERING
BLACK ON ORANGE

3

DETOUR
NORTH
IL
99

M4-8 24x12
M3-1 24x12
M1-I100 24x24

A

OR

B

M5-1 21x15
 M6-1 21x15

4

DETOUR
NORTH
IL
99

M4-8 24x12
M3-1 24x12
M1-I100 24x24
M6-3 21x15

5

DETOUR
NORTH
IL
99

M4-8 24x12
M3-1 24x12
M1-I100 24x24

A

OR

B

M5-1 21x15
 M6-1 21x15

6

END
 DETOUR
 IL
 99

M4-8b 24x12
M4-8 24x12
M1-I100 24x24

7

IL 99
 CLOSED
 2 MILES
 AHEAD

5"-C LETTERING
BLACK ON ORANGE

8

ILLINOIS ROUTE 99
 CLOSED 2 MILES
 SOUTH OF IL 101
 FOLLOW MARKED DETOUR

5"-C LETTERING
BLACK ON ORANGE

9

DETOUR
SOUTH
IL
99

M4-8 24x12
M3-1 24x12
M1-I100 24x24
M6-3 21x15

10

DETOUR
SOUTH
IL
99

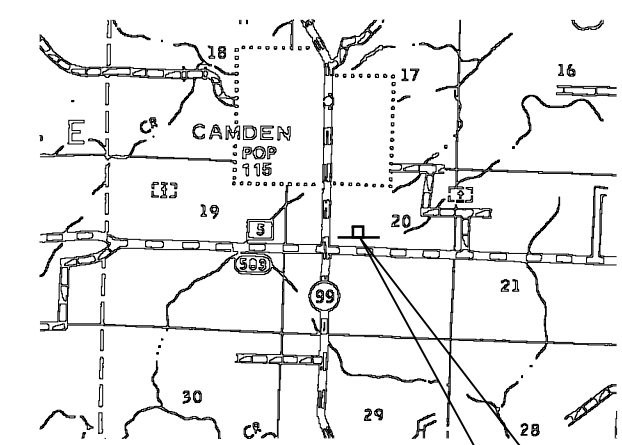
M4-8 24x12
M3-1 24x12
M1-I100 24x24

A

OR

B

M5-1 21x15
 M6-1 21x15



ILLINOIS ROUTE 99
 CLOSED 1 MILE
 NORTH OF CAMDEN

5"-C LETTERING
BLACK ON ORANGE

DETAIL E
IL 99/ CAMDEN RD.

NOT TO SCALE

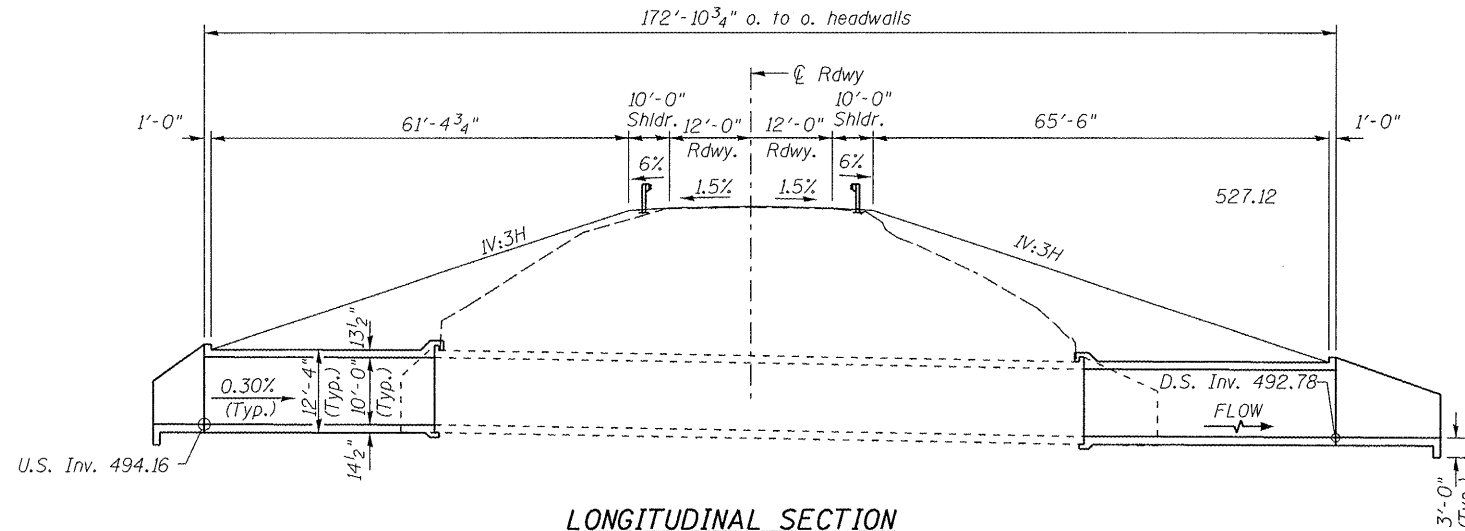
FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETOUR ROUTE PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		550	(9, 10); 11(RS-1,BD)	SCHUYLER	86	34				
	PLOT SCALE = 7.5000' / IN.	CHECKED -	REVISED -		CONTRACT NO.				ILLINOIS FED. AID PROJECT				
	PLOT DATE = Apr-06-2010 12:02:16PM	DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				

B.M.: R.R. Spike in Backside of PP, West side of IL 99
 Sta. 752+03.3, 82.6' Lt.
 Elev. 550.22

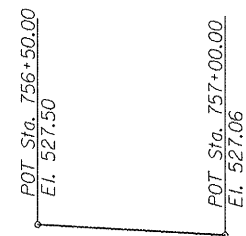
Existing Structure:
 Single 10'x10' concrete box culvert.
 The structure is 97'-2" out to out,
 and is skewed 15° Rt. Ahd.
 Str. No. 085-7029

Traffic to be maintained
 during construction.

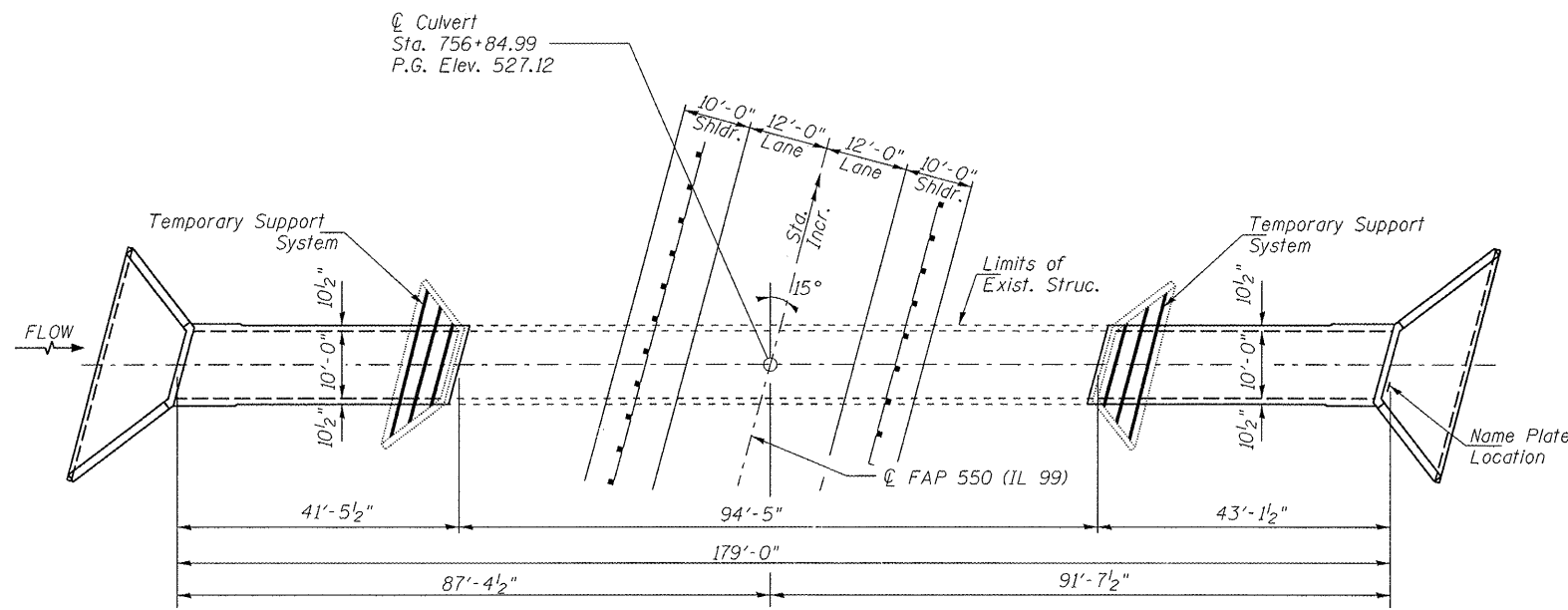
Salvage: None



LONGITUDINAL SECTION
 Dimensions are at Rt.L.'s to \odot Roadway



PROFILE GRADE



PLAN

GENERAL NOTES

The partial removal of the existing structure shall be paid for as Concrete Removal.
 Reinforcement Bars shall conform to the requirements of ASTM A 706 Grade 60.
 Reinforcement Bars designated (E) shall be epoxy coated.
 For backfilling and embankment see Standard Specifications.
 Precast culvert option will not be allowed.
 Exposed concrete edges shall have a 3/4" chamfer unless otherwise noted.
 A distance of half the length of the wingwall, but not less than 6 feet of the barrel shall be poured monolithically with the wingwall.
 Layout of the slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
 The temporary support system shall be in place prior to concrete removal.
 The temporary support system shall not pass through the proposed box culvert walls, or be incorporated into the proposed box culvert in any way.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Box Culverts	CU YD	170.0
Reinforcement Bars	POUND	49,470
Reinforcement Bars, Epoxy Coated	POUND	1,330
Concrete Removal	CU YD	6.8
3/4" \odot Expansion Bolts	EACH	48
Temporary Support System	EACH	2
Rock Excavation	CU YD	30

DESIGN SCOUR TABLE

Location	Upstream	Downstream
Design Scour Elevation	491.95	490.57

DESIGN SPECIFICATIONS

2002 AASHTO & Interims

DESIGN STRESSES

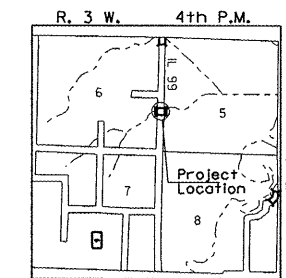
FIELD UNITS

$f'_c = 3,500$ psi

$f_y = 60,000$ psi (Reinforcement)

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.



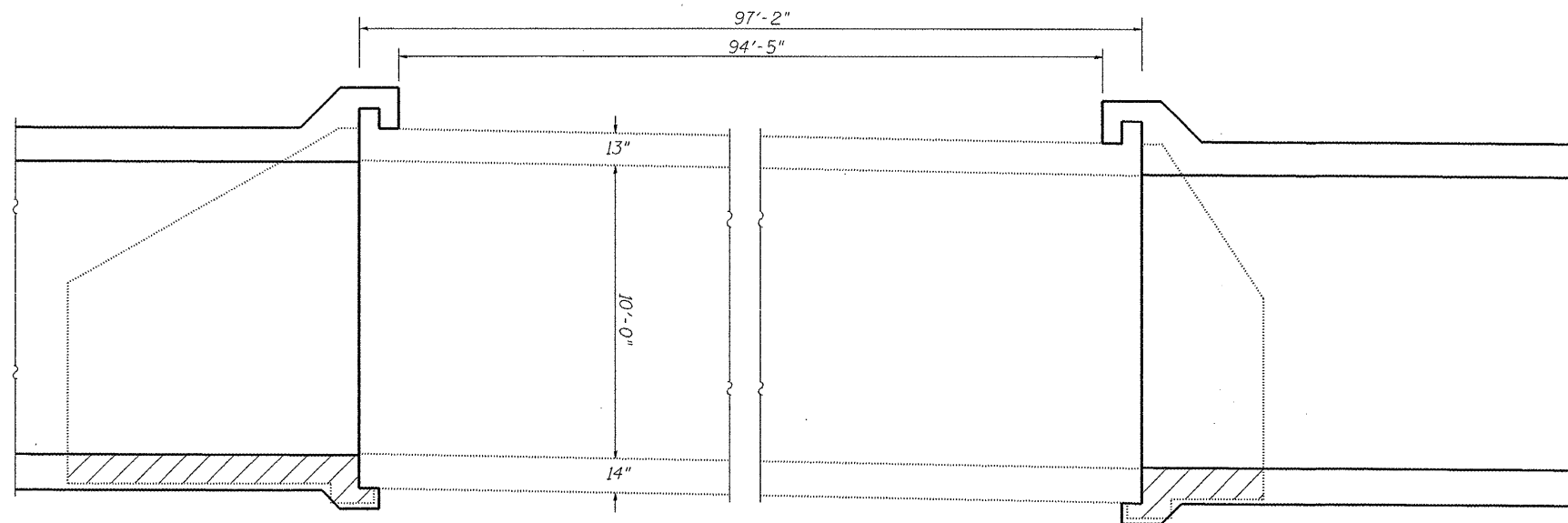
LOCATION SKETCH

GENERAL PLAN
 SCHUYLER COUNTY
 SECTION (9,10)I; 11 (RS-1,BI)
 FAP 550 (IL 99) OVER
 DRAINAGE DITCH
 STATION 756+84.99
 STRUCTURE NO. 085-7029

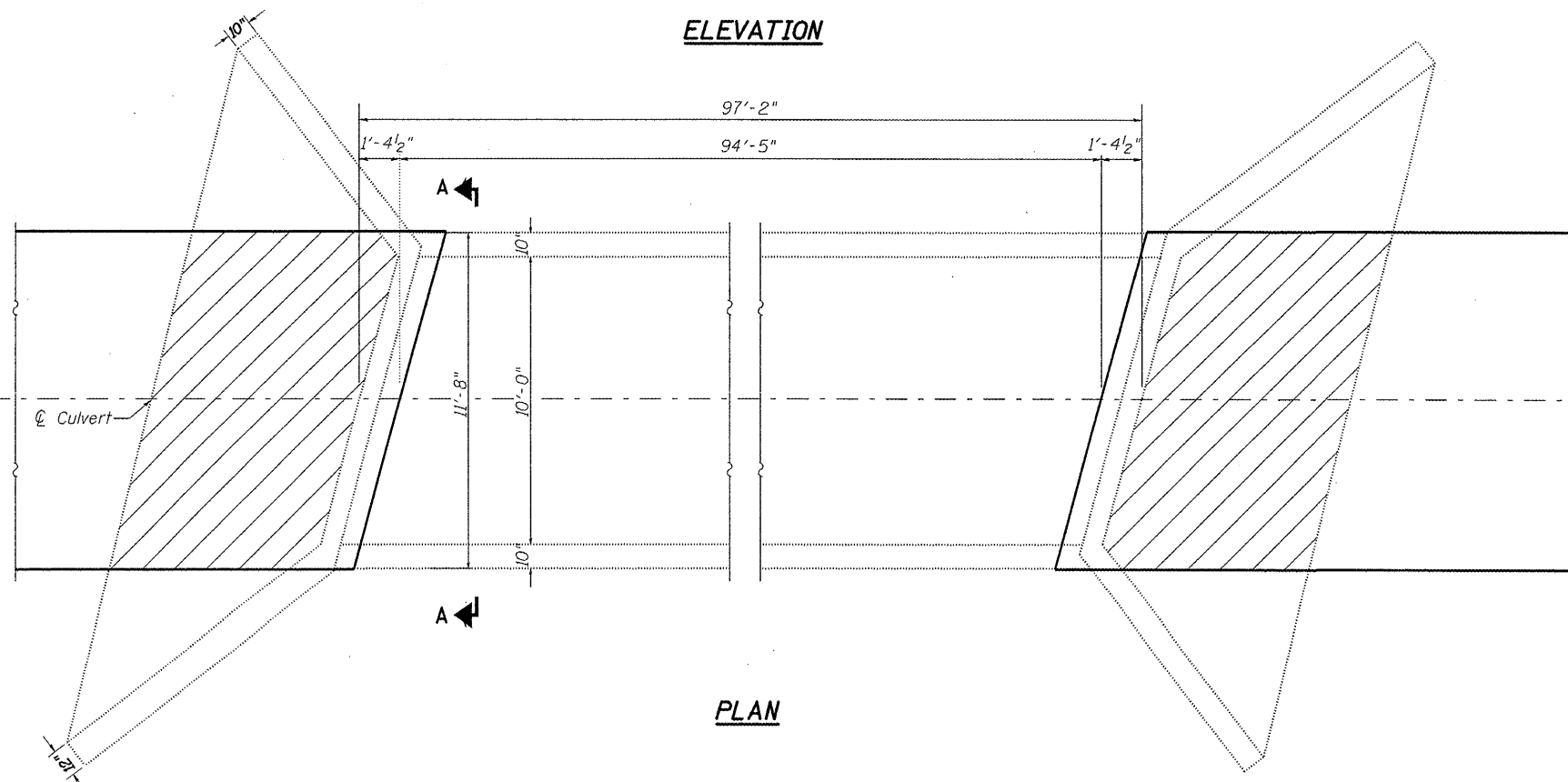
BENJAMIN A. NEBEL
 081-005627
 LICENSED PROFESSIONAL ENGINEER
 ILLINOIS
 Lic Exp. 11/30/2010

FILE NAME =	USER NAME = bnebel	DESIGNED CTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SINGLE BOX CULVERT DETAILS, SN 085-7029	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
V:\B-ridge\2447\2447-14 Schuyler\2447-14c001.dgn		DRAWN CTM	REVISED -			IL 99	(9,10)I; 11(RS-1,BI)	SCHUYLER	86	35	
		PLOT SCALE = 28.2032' / IN.	CHECKED BAN			REVISED -	SCALE: _____	SHEET NO. 1 OF 4 SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT	CONTRACT NO. 72802
		PLOT DATE = 4/27/2010	DATE -			REVISED -					

Note: Cross Hatched area to be removed and paid for as Box Culvert Removal.
Wingwall removal included in the cost of Concrete Removal.



ELEVATION



PLAN

CONCRETE REMOVAL DETAILS
SCHUYLER COUNTY
SECTION (9,10); 11 (RS-1,B1)
FAP 550 (IL 99) OVER
DRAINAGE DITCH
STATION 756+84.99
STRUCTURE NO. 085-7029

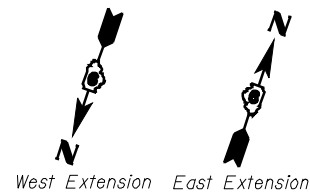
FILE NAME *	USER NAME = laughlinr1	DESIGNED CTM	REVISED -
e:\pwork\pwork\LAUGHLINR1\dms250162\447-14c002.dgn		DRAWN CTM	REVISED -
PLOT SCALE = 1:9139 1/2 IN.		CHECKED BAN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SINGLE BOX CULVERT DETAILS, SN 085-7029

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 99	(9,10); 11(RS-1,B1)	SCHUYLER	86	36
			CONTRACT NO. 72802	

Rev.

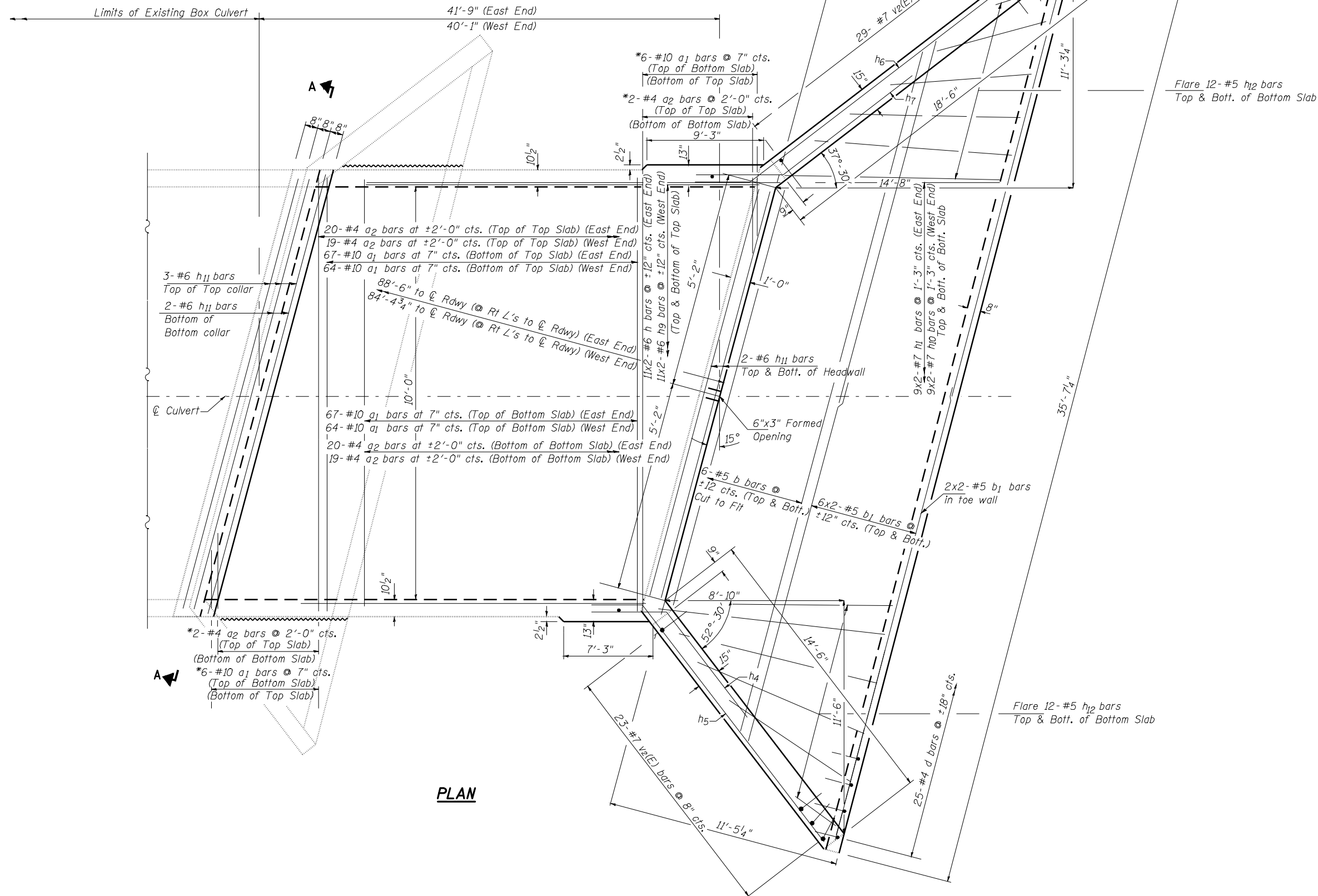


*a₁ & a₂ bars in skew portion of slab shall be ordered full length & cut to fit. Balance of bar to be used in opposite end of culvert.

MIN BAR LAPS

- #4 = 1'-4" (barrel)
- #5 = 1'-8"
- #6 = 2'-0"
- #7 = 2'-9"
- #8 = 3'-8"

Note: Bars indicated thus 11x2-#6 etc. indicates 11 lines of bars with 2 lengths per line.



PLAN

CULVERT DETAILS
SCHUYLER COUNTY
SECTION (9,10)I; 11 (RS-1,BI)
FAP 550 (IL 99) OVER
DRAINAGE DITCH
STATION 756+84.99
STRUCTURE NO. 085-7029

FILE NAME =	USER NAME = laughlinr1	DESIGNED CTM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SINGLE BOX CULVERT DETAILS, SN 085-7029	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
er:\pwork\pwork\PWIDOT\LAUGHLINRL\dms25016\2447-14e003.dgn	DRAWN CTM	REVISED -	IL 99			(9,10)I; 11(RS-1,BI)	SCHUYLER	86	37	
PLOT SCALE = 1/8" = 1'-0"	CHECKED BAN	REVISED -	CONTRACT NO. 72802							
PLOT DATE = Apr-06-2010 12:02:24PM	DATE -	REVISED -	SCALE:			SHEET NO. 3 OF 4 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT		

SOIL BORING LOG

Date 6/6/02

ROUTE FAP 550 DESCRIPTION IL 89 Over Drainage Ditch 2+ Mi. N. Of Camden Culvert Extension and Slope Failure Repair LOGGED BY M. Tappan

SECTION 11(RS-1,BI) LOCATION NE 1/4, SEC.6, TWP.2 N, RNG.3 W, 4 PM

COUNTY Schuyler DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO.	Station	DEPTH	BL	UCS	M	Surface Water Elev.	Stream Bed Elev.	GROUNDWATER ELEV.	DEPTH	BL	UCS	M
085-7029	756+85	(ft)	/6"	(tsf)	(%)	No Data	No Data	ft	(ft)	/6"	(tsf)	(%)
Bituminous Concrete		526.50	5			Greyish Brown Moist CLAY (Fill)				1		
Tan and Grey Dry Crushed Stone (Fill)		525.50	19		5					2	1.7	27
Grey and Brown Moist SANDY CLAY LOAM to CLAY LOAM (Fill)			1							3	B	
			1	0.5	15					0		
			2	B						1	0.7	31
			2	B						2	B	
Grey and Brown Moist CLAY LOAM (Fill)		520.00	2	0.7	22	Grey Moist SILT LOAM				1	0.5	24
Reddish Brown Moist CLAY (Fill)			2	B						1	B	
			2	B		Dark Grey Moist SILTY CLAY w/ Angular Limestone Clasts				0		
			2	B	23					3	1.3	30
			2	B						5	B	
w/ CLAY LOAM seams			0			Light Blue Grey Moist Shaley CLAY Residuum				0		
			2	1.3	21					3	2.6	20
			3	B						5	B	
Reddish Brown to Brown and Light Olive Grey Moist SILTY CLAY		515.00	0			Dark Grey Well Indurated Dry Calcareous SHALE				19		
			2	1.6	22	Boring Completed				100		8
			4	B						12'		
Brown and Grey Moist CLAY LOAM (Fill) w/ CLAY seams		512.50	0									
			2	1.0	21							
			2	B								
			1									
			3	1.4	20							
			4	B								
		507.50										

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

File Name: S:\SOL\GINT FILES\SCHUYLER\MSL2.GPJ Data Template 08/TEMP.LT.GDT Date Printed 3/24/10 Latitude Longitude Datum Job Number

SOIL BORING LOG

Date 6/7/02

ROUTE FAP 550 DESCRIPTION IL 89 Over Drainage Ditch 2+ Mi. N. Of Camden Culvert Extension and Slope Failure Repair LOGGED BY M. Tappan

SECTION 11(RS-1,BI) LOCATION NE 1/4, SEC.6, TWP.2 N, RNG.3 W, 4 PM

COUNTY Schuyler DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO.	Station	DEPTH	BL	UCS	M	Surface Water Elev.	Stream Bed Elev.	GROUNDWATER ELEV.	DEPTH	BL	UCS	M
085-7029	756+85	(ft)	/6"	(tsf)	(%)	No Data	No Data	ft	(ft)	/6"	(tsf)	(%)
Bituminous Concrete		526.00	6			Reddish Brown to Brown and Olive Grey Moist SILTY CLAY (Fill)				1		
Tan and Grey Dry Crushed Stone (Fill)		525.00	21		3	Brownish Grey				3	1.4	28
Grey to Dark Grey Moist CLAY LOAM		524.00	10							3	B	
Grey and Brown Moist CLAY LOAM (Fill)			1							1		
			2	0.5	18					1	1.2	27
			1	B						3	B	
			0							1		
			1	0.6	26					3	1.4	18
			2	B						4	B	
Reddish Brown Moist CLAY (Fill)		519.00	1			Olive Grey Moist SILTY CLAY w/ Angular Limestone Clasts				2		
			2	1.1	23					3	1.7	20
			3	B						6	B	
			0			Dark Olive Grey V. Moist LOAM				1		
			2	0.6	25					2	0.5	20
			3	B						2	B	
Reddish Brown to Brown and Olive Grey Moist SILTY CLAY (Fill)		514.00	1			Greyish Brown Dry Calcareous SHALE				6		
			2	0.8	28	Free Water				100		14
			3	B		Auger Refusal at 35.0' - Grey Argillaceous LIMESTONE at Bottom				14"		
			1									
Brown and Olive Grey			2	1.2	26							
			3	B								
			1									
			2	1.0	21							
			3	B								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

File Name: S:\SOL\GINT FILES\SCHUYLER\MSL2.GPJ Data Template 08/TEMP.LT.GDT Date Printed 3/24/10 Latitude Longitude Datum Job Number

SOIL BORING LOG

Date 5/23/02

ROUTE FAP 550 DESCRIPTION IL 99 Over Drainage Ditch 2± Mi. N. Of Camden Culvert Extension and Slope Failure Repair LOGGED BY M. Tappan
SECTION 11(RS-1,BI) LOCATION NE 1/4, SEC. 6, TWP. 2 N, RNG. 3 W, 4 PM
COUNTY Schuyler DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. Station	D E P T H S	B L O W S Qu	U C S T	M O I S T	Surface Water Elev. No Data ft		Stream Bed Elev. No Data ft		D E P T H S	B L O W S Qu	U C S T	M O I S T
					Groundwater Elev.:	First Encounter	Upon Completion	After				
085-7029 756+85												
3 757+05												
Offset 7.0ft Left												
Ground Surface Elev. 526.9 ft												
Bituminous Concrete												
525.90												
Crushed Limestone (Fill)		2								1		
525.40												
Brownish Grey Moist CLAY LOAM (Fill) w/ Medium Limestone Gravel		8		4						2	0.7	29
523.90		14								2	B	
Grey and Brown V. Moist SANDY CLAY LOAM to CLAY LOAM (Fill)		1								1		
		2	0.8	18						3	1.3	23
		1	S-12							4	B	
		-5								-25		
520.90												
Reddish Brown to Grey Moist SILTY CLAY (Fill)		1								1		
		1	1.0	23						3	1.7	23
		3	B							6	B	
518.90												
Grey and Reddish Brown Moist CLAY (Fill)		1								1		
		2	1.5	26						3	2.0	21
		3	B							4	P	
		-10								-30		
513.90												
Light Olive Grey Moist SILTY CLAY (Fill)		1								0		
		3	1.9	20						2	0.7	24
		3	B							2	B	
		-15								-35		
Light Olive Grey to Grey		1										
		4	3.0	19								
		5	B									
		1										
Greyish Brown		3	2.4	25								
		3	B									
		-20								-40		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

File Name: S:\SUS\GINT\FILES\SCHUYLER\ERL\08188256\10672802-shr-boringlogs\WRC.dgn Latitude Longitude Datum Job Number

SOIL BORING LOG

Date 6/7/02

ROUTE FAP 550 DESCRIPTION IL 99 Over Drainage Ditch 2± Mi. N. Of Camden Culvert Extension and Slope Failure Repair LOGGED BY M. Tappan
SECTION 11(RS-1,BI) LOCATION NE 1/4, SEC. 6, TWP. 2 N, RNG. 3 W, 4 PM
COUNTY Schuyler DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. Station	D E P T H S	B L O W S Qu	U C S T	M O I S T	Surface Water Elev. No Data ft		Stream Bed Elev. No Data ft		D E P T H S	B L O W S Qu	U C S T	M O I S T
					Groundwater Elev.:	First Encounter	Upon Completion	After				
085-7029 756+85												
4 757+40												
Offset 8.0ft Right												
Ground Surface Elev. 527.1 ft												
Bituminous Concrete												
526.10												
Crushed Limestone (Fill)		6										
525.60										0		
Dark Grey Dry CLAY LOAM (Fill)		30		3						2	0.4	33
525.10		19								2	B	
Brown and Grey Moist CLAY LOAM (Fill)												
		2								1		
		2	1.0	15						1	0.6	25
		3	B							4	B	
		-5								-25		
521.60												
Reddish Brown Moist CLAY (Fill)		1										
		2	1.6	21						3		
		3	B							6	2.5	13
		3	B							8	S-13	
		2										
		2	1.4	23						0		
		3	B							0	0.3	28
		-10								0	B	
514.60												
Brown and Grey Moist SILTY CLAY (Fill)		1								0		
		2	1.0	23						0	0.3	17
		2	B							3	B	
		1										
		3	1.8	22						7		
		4	B							53		
		-15								47		
		1								11		
		2	1.5	24								
		3	B									
		1										
		3	2.1	25								
		4	B									
		-20								-40		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

File Name: S:\SUS\GINT\FILES\SCHUYLER\ERL\08188256\10672802-shr-boringlogs\WRC.dgn Latitude Longitude Datum Job Number

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.

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.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

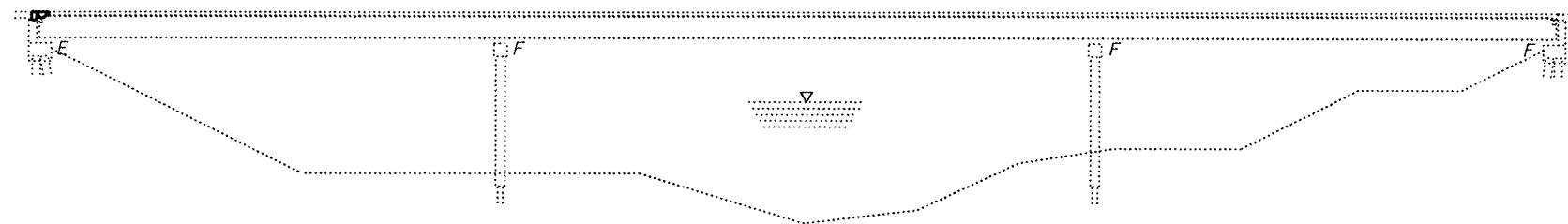
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

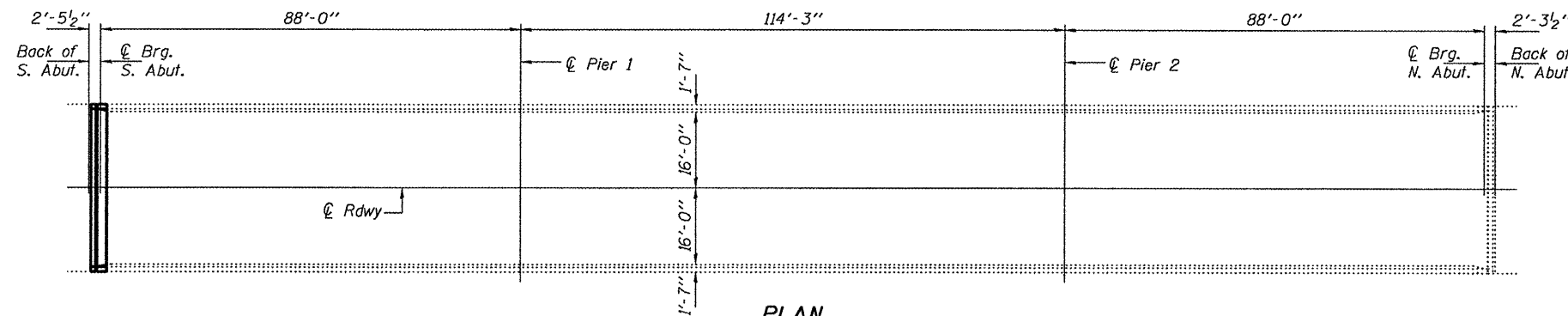
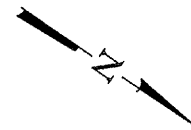
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall 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.

The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructure.

Work to be completed under road closure.



ELEVATION

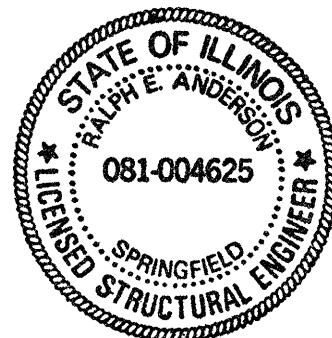


PLAN

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	4.5
Concrete Superstructure	Cu. Yd.	4.5
Preformed Joint Strip Seal	Foot	35
Silicone Joint Sealer	Foot	35
Reinforcement Bars, Epoxy Coated	Pound	590
* Protective Coat	Sq. Yd.	21

* On new concrete only



EXPIRES 11-30-2010

DESIGNED	<i>Jim J. Kelly</i>	APRIL 26, 2010
CHECKED	<i>Adrian T. Hallaway</i>	EXAMINED
DRAWN	<i>balva</i>	PASSED
CHECKED	<i>IJL ATJ</i>	

**PLAN AND ELEVATION
FA 550 OVER CEDAR CREEK
SN 085-0029**

SHEET NO. 1 3 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	550	(9,10)I; 11(RS-1),B1)	SCHUYLER	86	41
			CONTRACT NO. 72802		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	-----	-----	-----	-----
STA. -----		TO STA. -----		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Sheet 42 of 86

Bridge Office

PLOT DATE : Apr-06-2010 12:57:28PM
 FILE NAME : c:\p\... \P1001\LAUGH\INRL\dm22426\blank_print2.dgn
 PLOT SCALE : 1/8"=1'-0" / IN.
 USER NAME : laughlinr1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. _____
 HORIZ. _____

DATE _____

DRAWN BY _____
 CHECKED BY _____

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	-----	-----	-----	-----
STA. -----		TO STA. -----		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Sheet 43 of 86

Bridge Office

PLOT DATE : Apr-2010 12:57:57PM
 FILE NAME : c:\p\... \P1001\LAUGH\INRL\dm22426\lbank_prints2.dgn
 PLOT SCALE : 1/8"=1'-0" / IN.
 USER NAME : laughlinr1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. _____
 HORIZ. _____

DATE _____

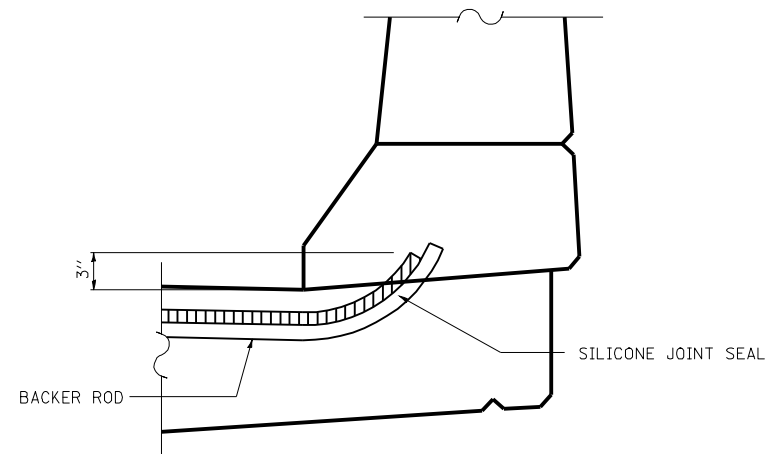
DRAWN BY _____
 CHECKED BY _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

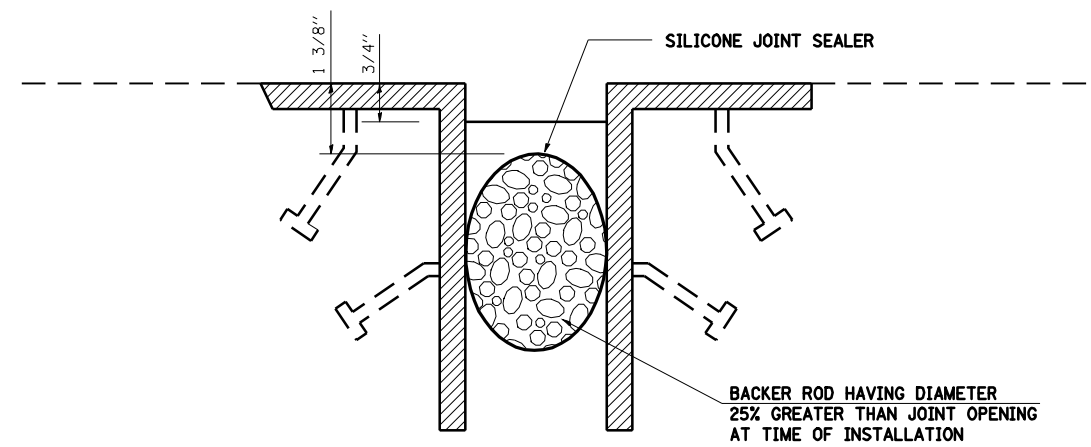
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. RTE. 550	*	SCHUYLER		44
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. -
- SHEETS

* (9, 10); 11(RS-1, BI)



TYPICAL END OF SILICONE JOINT SEALER



PROPOSED
SN 085-0029
STA 681+49

DESIGNED	-
CHECKED	-
DRAWN	-
CHECKED	-

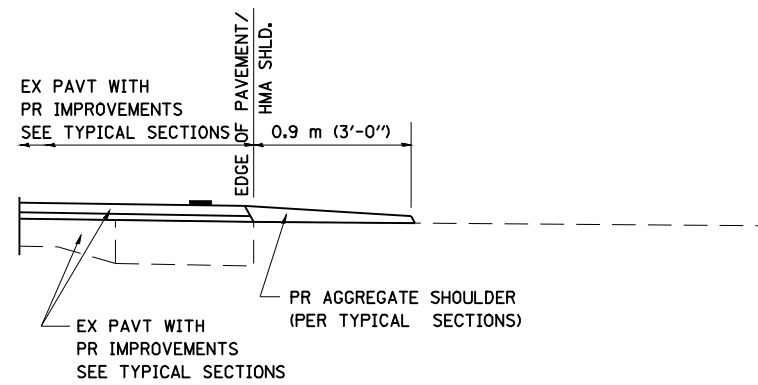
20

EXAMINED

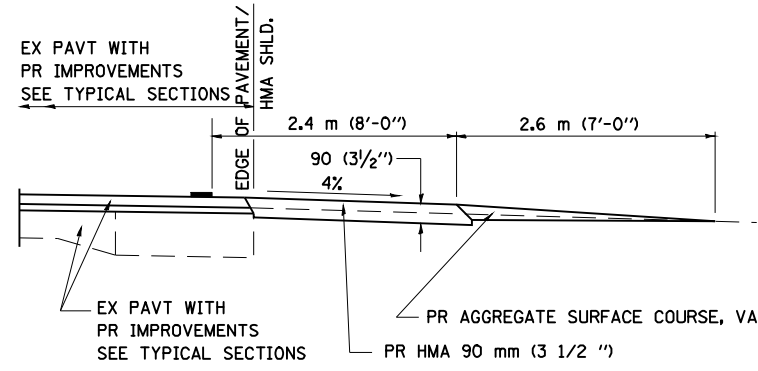
ENGINEER OF BRIDGE DESIGN

PASSED

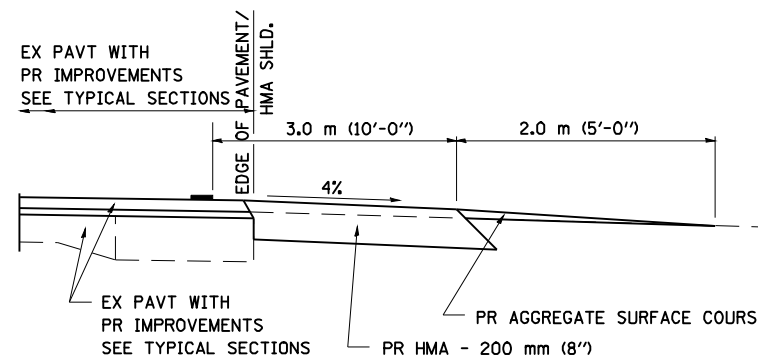
ENGINEER OF BRIDGES AND STRUCTURES



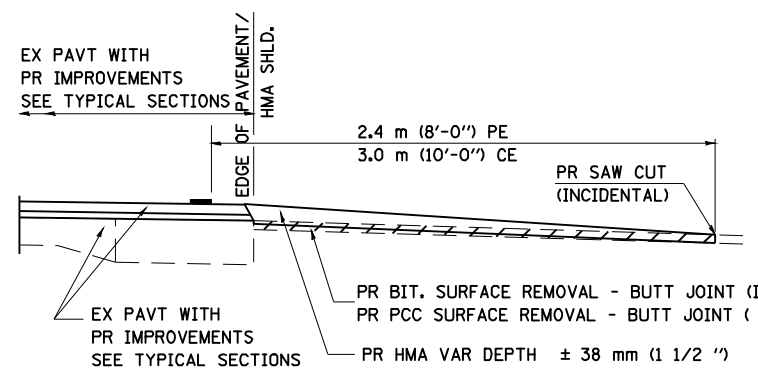
SECTION A-A FOR EX EARTH/ AGGREGATE FE



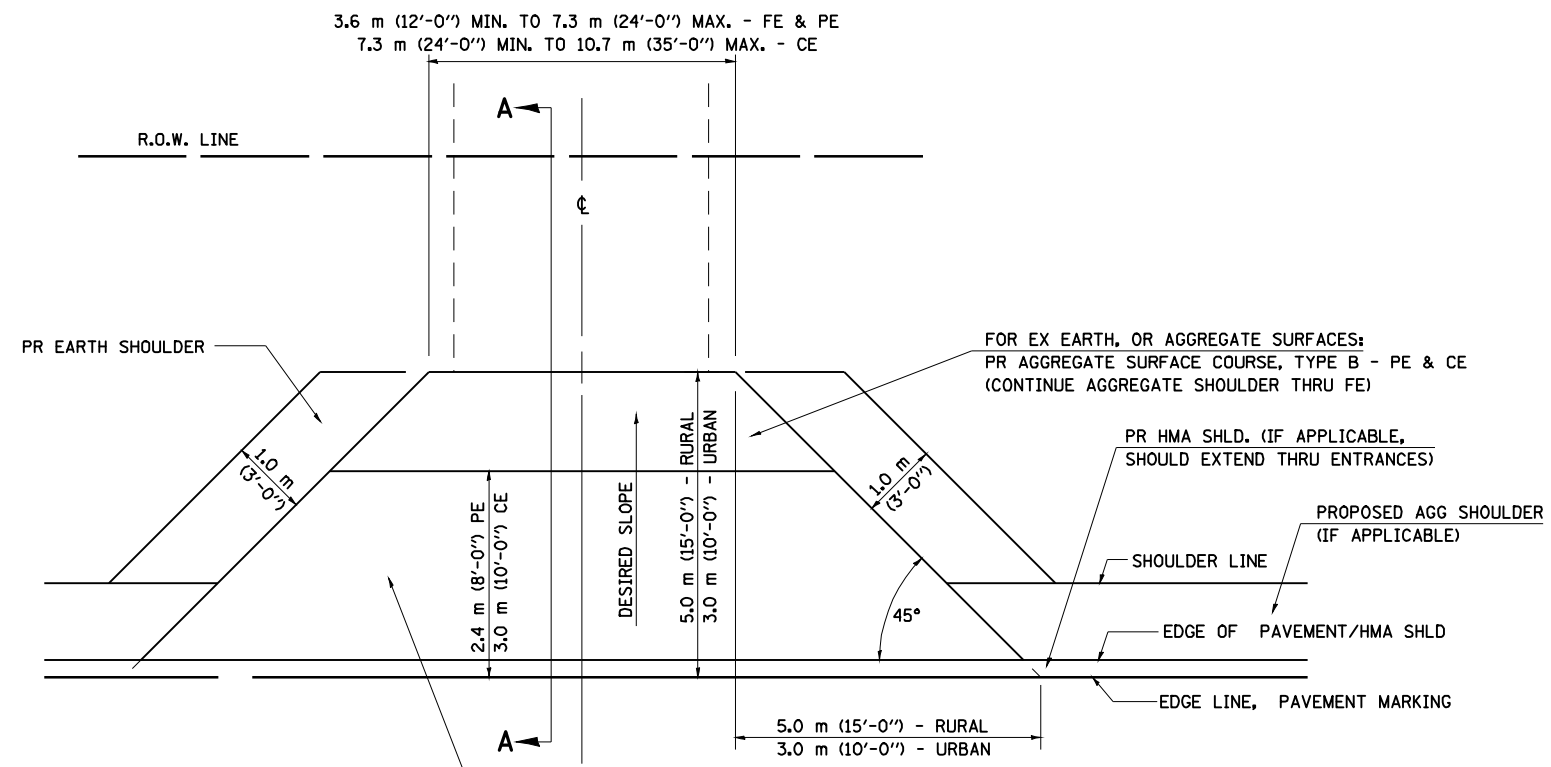
SECTION A-A FOR EX EARTH/AGGREGATE PE



SECTION A-A FOR EX EARTH/AGGREGATE CE & SIDE ROAD



SECTION A-A FOR EX BITUMINOUS/ PC CONCRETE PE, CE & SIDE ROAD



FOR EX EARTH OR AGGREGATE SURFACES:
 PR BIT SURFACE REMOVAL (IF APPLICABLE)
 PR AGGREGATE SHOULDER THRU - FE
 PR BITUMINOUS CONCRETE 90 mm (3 1/2") - PE
 PR BITUMINOUS CONCRETE 200mm (8") - CE

FOR EX BITUMINOUS CONCRETE SURFACES:
 PR BITUMINOUS SURFACE REMOVAL-BUTT JOINT

FOR EX PCC SURFACES:
 PR PCC SURFACE REMOVAL-BUTT JOINT

GENERAL NOTES:

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

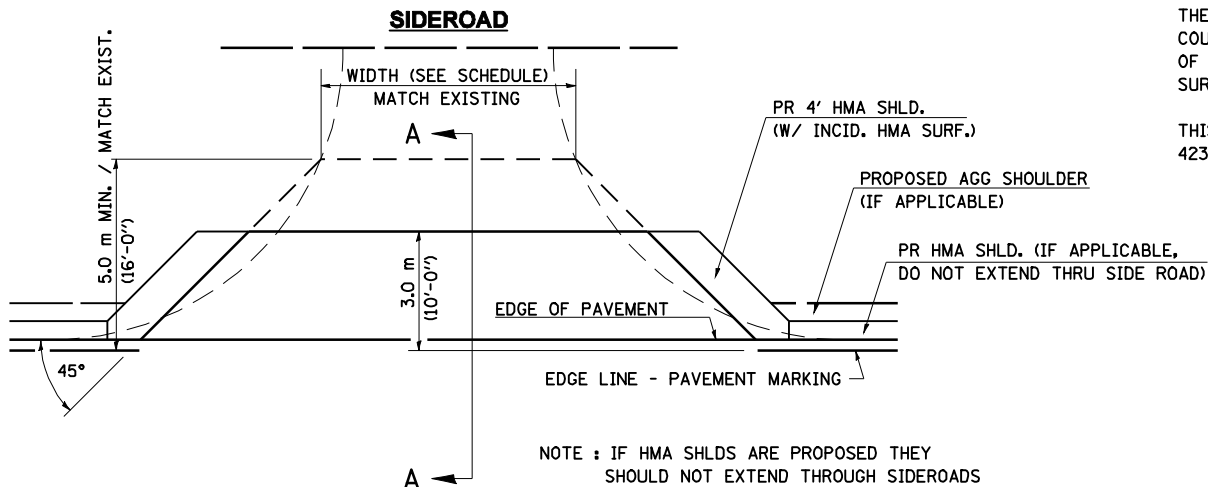
ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

BITUMINOUS CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE BITUMINOUS CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 75 mm (3 INCHES) AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF BITUMINOUS BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 50 mm (2 INCHES) SHALL MEET THE REQUIREMENTS OF BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

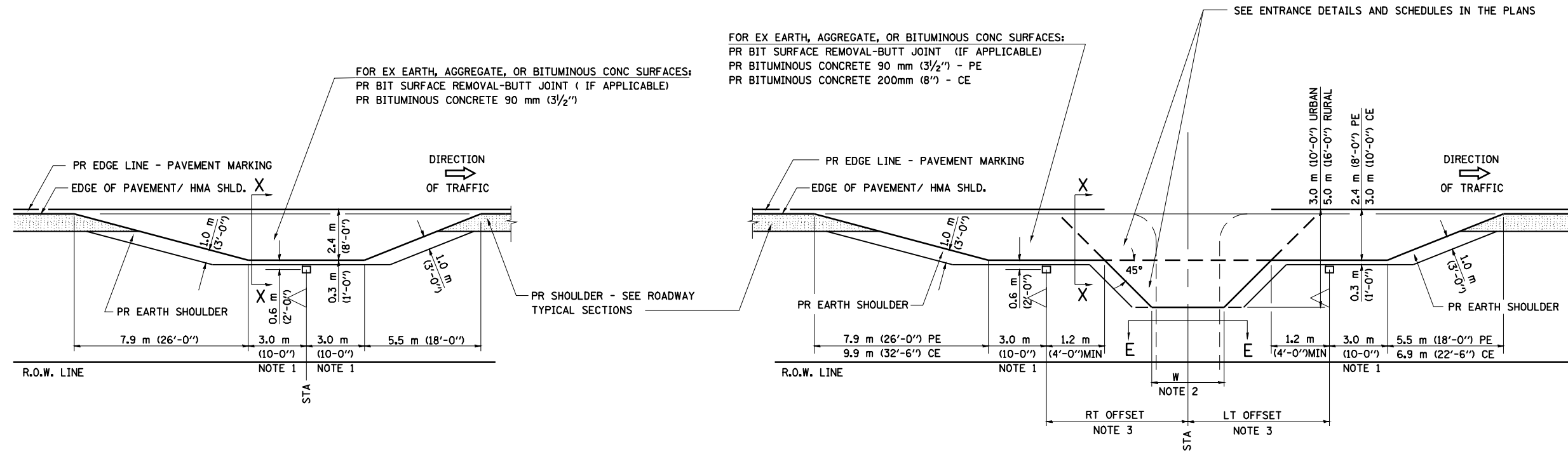
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.



NOTE : IF HMA SHLDS ARE PROPOSED THEY SHOULD NOT EXTEND THROUGH SIDEROADS

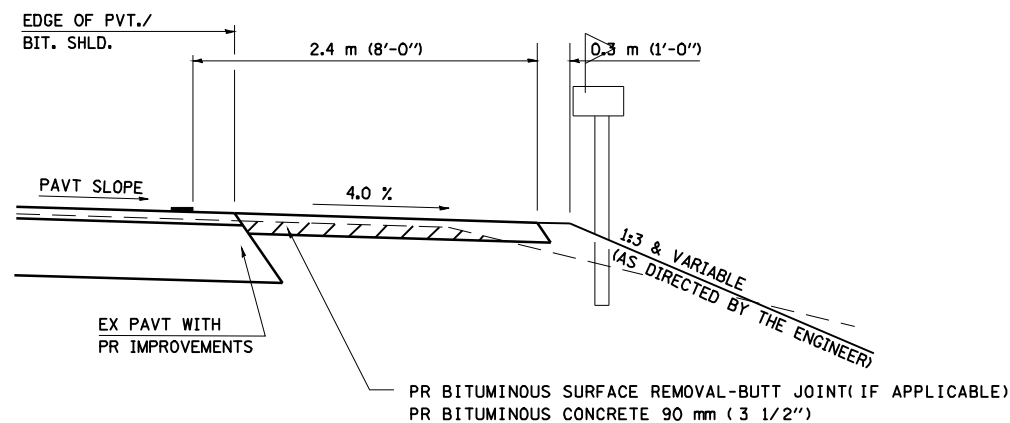
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ENT PPP.DGN	PLOT SCALE = 48.000 ' / IN.	DRAWN - CADD	REVISED - 4/01/04 JCN			550	(9,10); 11(RS-1,B1)	SCHUYLER	86	45
PLOT DATE = Apr-06-2010 01:18:44PM	DATE - FEBRUARY 23, 1999	CHECKED - JCN	REVISED -			CONTRACT NO. 72802				
		DATE - FEBRUARY 23, 1999	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DETAILS OF MAILBOX TURNOUTS



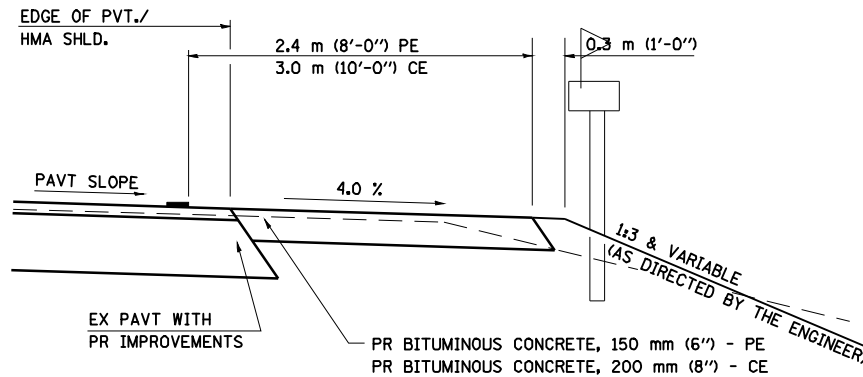
PLAN - MAILBOX TURNOUTS

PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



**SECTION X-X THRU MAILBOX TURNOUT
ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH
EX EARTH, AGGREGATE, OR BITUMINOUS PE & FE**

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
IF EXISTING, TREAT SAME AS ENTRANCE.)



**SECTION X-X THRU MAILBOX TURNOUT
COMBINED WITH EX BITUMINOUS CONC & PC CONC PE & CE**

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
IF EXISTING, TREAT SAME AS ENTRANCE.)

- NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT, DIMENSION FROM CENTER OF END MAILBOX.
- NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.
- NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES)
UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED - 2/19/03 JCN
ENT PPP.DGN	es:\pwwork\pwwid\DOT\LAUGHLINRL\dms25016\0672802-sht-ent-ppp.dgn	DRAWN - CADD	REVISED - 4/01/04 JCN
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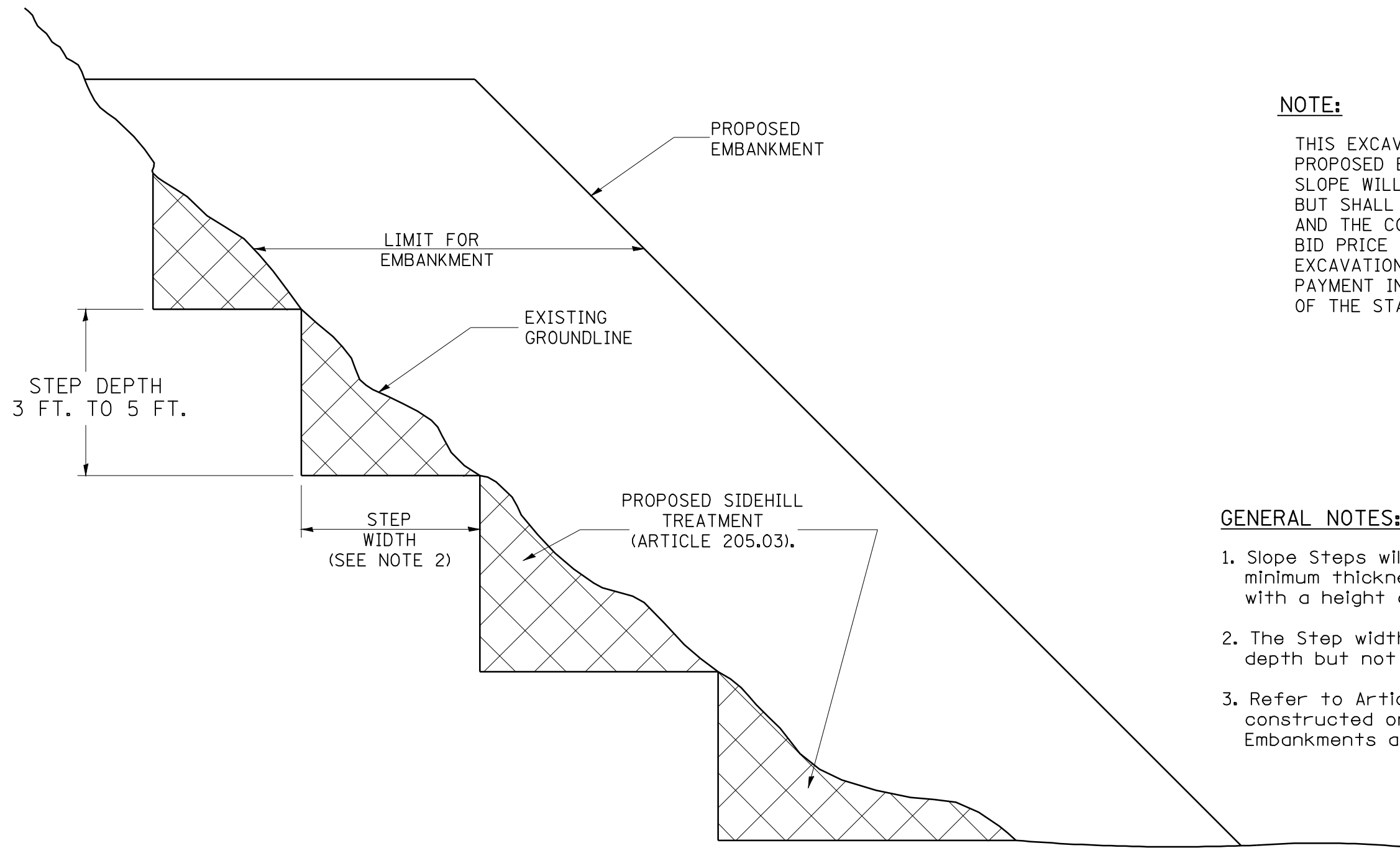
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DIST. 6 DETAILS FOR RURAL/URBAN ENT., MAILBOX
TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)**

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(9,10); 11(RS-1,BI)	SCHUYLER	86	46
CONTRACT NO. 72802				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SLOPE STEPS DETAIL
 TYPICAL CROSS-SECTION EMBANKMENT
 CONSTRUCTION ON SIDEHILL



NOTE:

THIS EXCAVATION REQUIRED FOR BENCHING THE PROPOSED EMBANKMENT INTO THE EXISTING SLOPE WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE CONSIDERED AS A REQUIREMENT AND THE COST INCLUDED IN THE CONTRACT UNIT BID PRICE PER CUBIC YARD FOR "EARTH EXCAVATION" OF THE MATERIAL MEASURED FOR PAYMENT IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS

GENERAL NOTES:

1. Slope Steps will be required for all 300(12) minimum thickness "silver fills" and on a fills with a height of 3.0m(10').
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

REPLACEMENT MATERIAL:

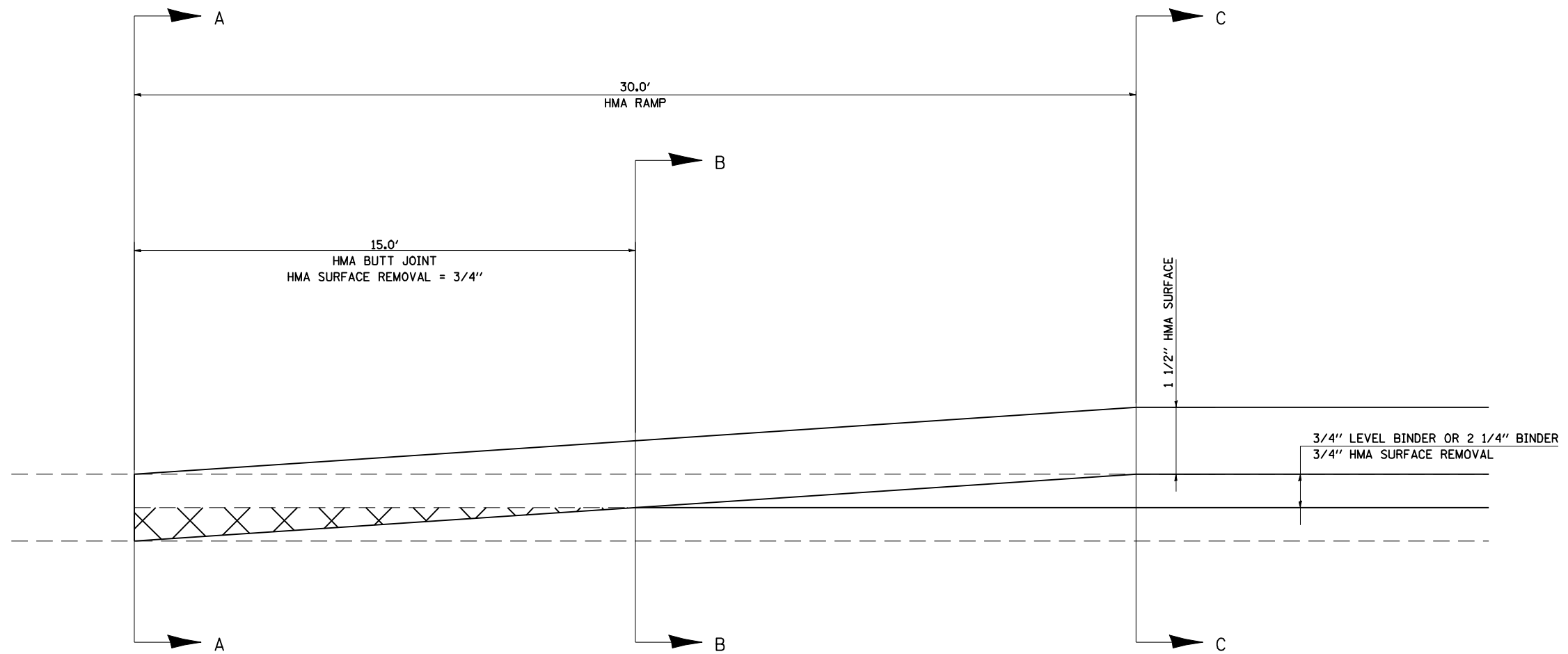


STANDARD EMBANKMENT
 (IN ACCORDANCE WITH
 205 OF THE STANDARD SPECIFACATION).

THIS DETAIL DOES NOT APPLY
 TO SLOPE FAILURE AREA

All dimensions are in millimeters
 (inches) unless otherwise noted.

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SLOPE STEPS DETAIL				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SLOPESTEP.DGN	et:\pwork\pwork\LAUGHLINRL\dms25018\0672802-SHT-slopestep.dgn	DRAWN -	REVISED -		550	(9,10); 11(RS-1,BI)	SCHUYLER	86	48				
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	PLOT DATE = Apr-06-2010 01:18:51PM	DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		



HMA BUTT JOINT & RAMP DETAIL

(A)	(B)	(C)
STA. 12+09.00 (IL 101) STA. 8+53.00 (IL 101)	STA. 11+94.00 (IL 101) STA. 8+68.00 (IL 101)	STA. 11+79.00 (IL 101) STA. 8+83.00 (IL 101)
STA. 604+00.00 (IL 99) STA. 678+24.00 (IL 99) STA. 681+79.00 (IL 99)	STA. 604+15.00 (IL 99) STA. 678+09.00 (IL 99) STA. 681+94.00 (IL 99)	STA. 604+60.00 (IL 99) STA. 677+94.00 (IL 99) STA. 682+09.00 (IL 99)

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HMA BUTT JOINT/RAMP DETAIL				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
e:\pwork\pwidot\LAUGHLINRL\dms25016\672802-sht-butt-jtdetail.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	550	(9,10) 11(RS-L,BI)	SCHUYLER	86	49
		CHECKED -	REVISED -						CONTRACT NO.					
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT									

STORM WATER POLLUTION PREVENTION PLAN

Route: _____ Marked: _____
 Section: _____ Project No.: _____
 County: _____ Contract No.: _____

This plan has been prepared to comply with the provision of the NPDES Permit Number ILR10 _____ issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Regis 2 Park (Signature) 4/15/10 (Date)
Regis 4 Engineer (Title)

Note: The above boxed in area will be filled out by IDOT - Construction after the award of the contract to obtain the required NPDES permit.

The following plan was established and included in these plans to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES. The Contractor shall abide to all requirements within this plan as part of the contract.

The purpose of this plan is to prevent / minimize siltation within the construction zone and to eliminate sediments from entering and leaving the construction zone by utilizing proper temporary erosion control systems and providing ground cover within a reasonable time.

Certain items, as shown in this plan and referenced by the legend, shall be placed by the Contractor at the beginning of construction. Other items shall be placed by the Contractor as directed by the Engineer on a case by case situation resulting from the Contractor's sequence of activities, time of the year, and expected weather conditions.

The Contractor shall place permanent erosion control systems and seeding within a reasonable amount of time; therefore, reducing the amount of area being open to the possibility of erosion and reducing the amount of temporary erosion control systems and temporary seeding. The Resident Engineer will determine if temporary erosion control systems shown in the plan can be deleted, the size of the proposed ditch checks, the proper method of installation, and if any additional temporary erosion control systems shall be added which are not included in this plan. The Contractor shall perform all work as directed by the Engineer and as shown in special details and in Standard 280001 of the plans.

The special provisions Temporary Seeding, Temporary Erosion Control Seeding, and Temporary Erosion Control additionally supplement this plan.

All disturbed areas having high potential for erosion, as determined by the Engineer, shall be temporarily seeded or permanently seeded by October 1st of each construction year and shall not be reopened until after the winter shutdown period.

SITE DESCRIPTION

Description of Construction Activity:

1.**The proposed project consists of the extension of existing SN 085-7029 on IL 99 in Schuyler County, two miles north of Camdem. The slopes will be flattened in the area of the box culvert along with riprap placed in the ditches. In addition, IL 99 will be resurfaced from IL 101 to just south of Camdem.

2.**Construction consists of grading, extending box culvert, HMA resurfacing, ditch grading, channel protection, and other miscellaneous work to complete improvements to the proposed roadway.

Description of Intended Sequence of Major Construction Activities Which Will Disturb Earth and Lead to Possible Erosion for Major Portions of the Construction Site:

- 1.**Tree removal will be completed to clear approximately 5.8 acres of wooded land.
- 2.**Excavation will be completed around the structure extension to grade out for proposed ditches and waterways.
- 3.**Excavation will also be completed in proposed cut sections to lower the existing ground elevation to meet the proposed roadway foreslope and backslope.
- 4.**Embankment will be placed in fill areas to raise the existing ground elevation to meet the proposed roadway foreslope and backslope.
- 5.**Drainage structures will be installed before and/or during the construction of the excavation and embankment to allow proper drainage across the proposed two lane facility.
- 6.**Placement, maintenance, removal, and proper clean up of temporary erosion control, such as erosion control fence, riprap ditch checks, sediment basins, temporary seeding, ect.
- 7.**Placement of permanent erosion control, such as riprap ditch lining, riprap stilling basins, riprap dry dams, excelsior blanket, seeding, ect.
- 8.**Final grading, paving and other miscellaneous items.

Area of Construction Site:

The total drainage area entering and including the construction site is estimated to be 365 acres in which 5.8 acres will be disturbed by excavation, grading or other activities.

Other Reports, Studies and Plans which Aid in the Development of this Storm Water Pollution Prevention Plan as Referenced Documents:

- 1.**Estimated run-off coefficients are contained in the project drainage study which were utilized for proposed placement of temporary erosion control systems.
- 2.**Information on the soils within the site was obtained from field reviews which were utilized for proposed placement of the temporary erosion control systems.
- 3.**Site maps indicating drainage patterns and approximate slopes were contained in the project design report, USGS drainage maps, project drainage study, and project plan documents were all utilized for proposed placement of the temporary erosion control systems.

Drainage Tributaries Receiving Water from this Construction Site:

- 1.**La Moine River

FILE NAME = c:\pw_work\PMIDOT\JONESTM\dms25016\d672802-shw-swpln.dgn	USER NAME = jonestm	DESIGNED -	REVISED - AUG 2007 (JCN)	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STORM WATER POLLUTION PREVENTION PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 48.000' / IN.	CHECKED - JCN	REVISED -			550	(9,10); 11RS-1,B1	SCHUYLER	50	50
SWPPLAN.DGN	PLOT DATE = Apr-02-2010 01:17:03PM	DATE - APRIL 5, 1999	REVISED -	SCALE:	SHEET NO. OF SHEETS STA. TO STA.	CONTRACT NO. 72802				
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CONTRACTOR CERTIFICATION STATEMENT

This certification statement is part of the Storm Water Pollution Plan for the project described below in accordance with NPDES Permit No. ILR10 _____, issued by the Illinois Environmental Protection Agency on _____.

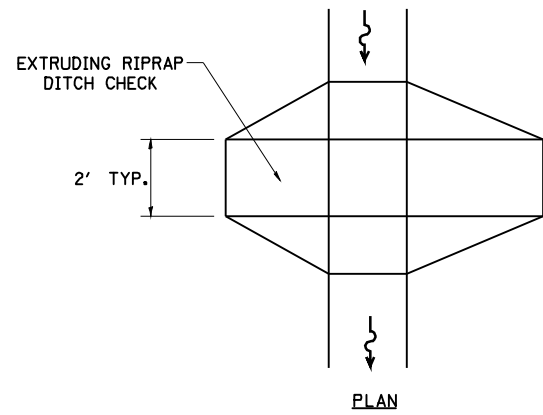
Route: _____ Marked: _____
 Section: _____ Project No.: _____
 County: _____ Contract No.: _____

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

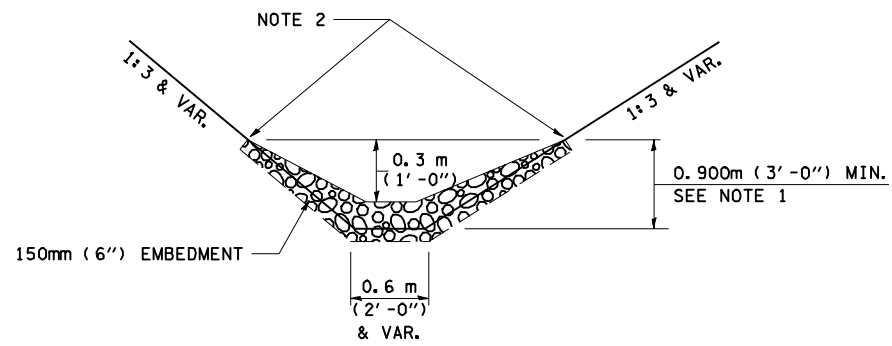
Signature _____ Date _____
 Title _____
 Name of Firm _____
 Street Address _____
 City, State, Zip _____
 Phone Number _____

Note: The above boxed in area shall be filled out by the Contractor after the award of the contract to obtain the required NPDES Permit from IEPA. This is a requirement for this contract.

FILE NAME = e:\pwwork\pwwidot\LAUGHLINRL\dms25018\672802-shr-swpplan.dgn	USER NAME = laughlinr1	DESIGNED - DRAWN - CADD	REVISED - AUG 2007 (JCN) REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STORM WATER POLLUTION PREVENTION PLAN	F.A.P. RTE. 550	SECTION (9,10); 11(RS-1,BI)	COUNTY SCHUYLER	TOTAL SHEETS 86	SHEET NO. 52	
SWPPLAN.DGN	PLOT SCALE = 48.000' / IN.	CHECKED - JCN	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 72802		
	PLOT DATE = Apr-06-2010 01:19:03PM	DATE - APRIL 5, 1999	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



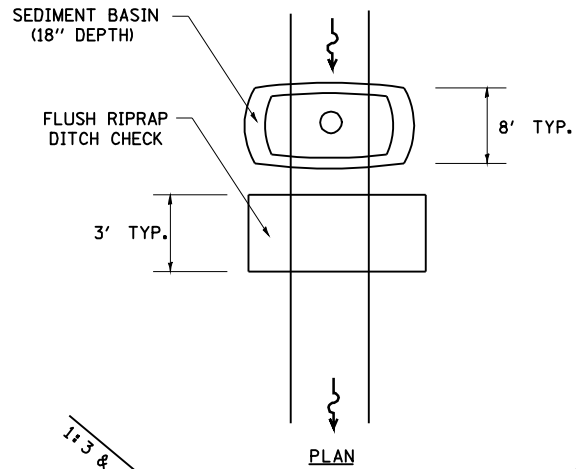
PLAN



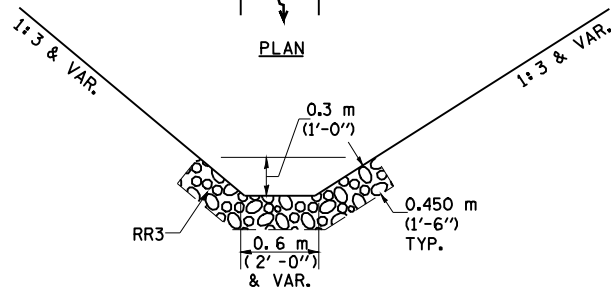
ELEVATION

OPTION 1

(EXTRUDING DITCH CHECK)
RECOMMENDED FOR AREAS
W/ RIPRAP DITCH LINING



PLAN



ELEVATION

OPTION 2

(FLUSH DITCH CHECK)
RECOMMENDED FOR AREAS
W/O RIPRAP DITCH LINING

STONE DUMPED RIPRAP DITCH CHECK

(TYPICAL & OPTIONS 1 & 2
AS DIRECTED BY THE ENGINEER)

NOTE 1: RIPRAP SHALL EXTEND FAR ENOUGH UP THE SLOPES TO ALLOW 0.3m (1') OVERTOPPING TO AVOID ERODING AROUND THE EDGES OF THE RIPRAP.

NOTE 2: ENDS SHALL BE TIED INTO SLOPES.

LEGEND FOR STORM WATER POLLUTION PREVENTION PLAN

ITEM	SYMBOL
AGGREGATE (EROSION CONTROL)	◆
STONE DUMPED RIPRAP DITCH CHECKS: Height = 0.6m (2')	◆
TEMPORARY DITCH CHECKS	◆
INLET PIPE PROTECTION (I&PP)	◆
EROSION CONTROL FENCE	~
EARTH EXCAVATION FOR EROSION CONTROL (SEDIMENT BASINS)	○
PRESERVE EXISTING TREES, WOODLANDS, AND UNDERSTORY (OUTSIDE CONSTRUCTION LIMITS)	▨
ITEM PLACED AT BEGINNING OF CONSTRUCTION (Requirement)	* ITEM *
ITEM PLACED AS DIRECTED BY ENGINEER (When required by situation)	ITEM
DIRECTION OF OVERLAND FLOW	➔

GENERAL NOTES:
All items shall be constructed as shown on this sheet, on Standard 280001, and as directed by the Engineer.

The symbology on the STORM WATER POLLUTION PREVENTION PLAN sheets does not represent the size or quantity of bales, for number of bales refer to details and notes shown on this sheet and/or as directed by the Engineer.

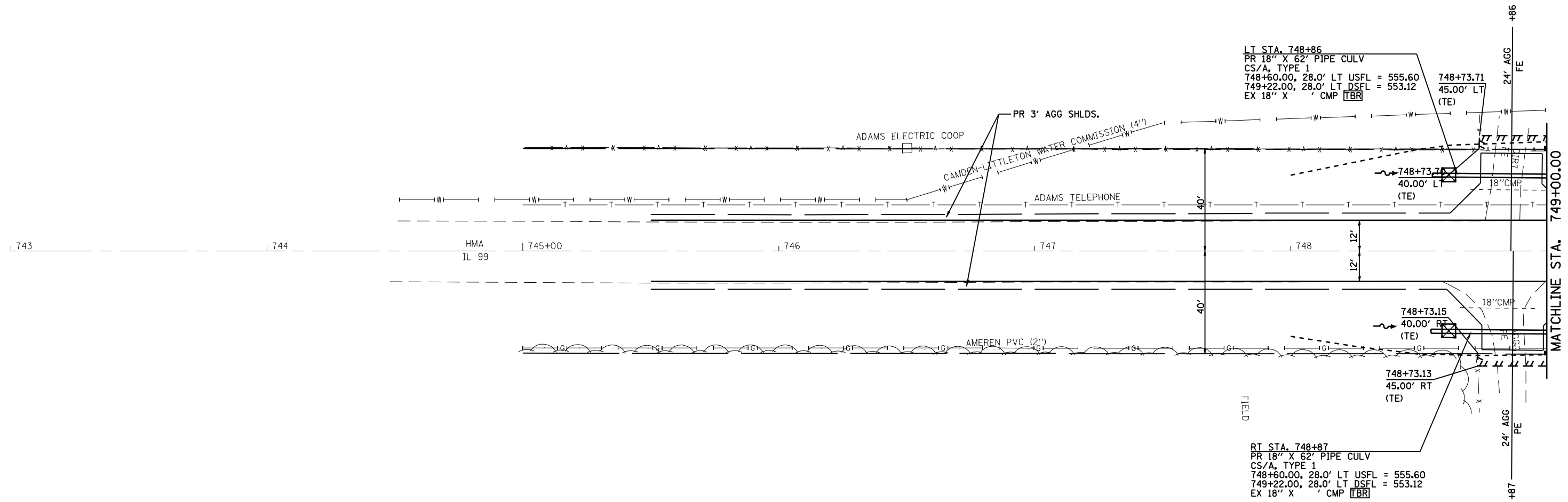
THE CONTRACTOR SHALL INSTALL DITCH CHECKS AS DIRECTED BY THE ENGINEER. IF THE ENGINEER ELECTS TO UTILIZE FLUSH RIPRAP DITCH CHECKS IN LIEU OF TEMPORARY DITCH CHECKS AS SHOWN ON THE FOLLOWING PLAN SHEETS, THE SPACING SHOULD BE DOUBLED.

FILE NAME = SWPPLAN.DGN	USER NAME = laughlinr1	DESIGNED -	REVISED - AUG 2007 (JCN)
		DRAWN - CADD	REVISED -
		CHECKED - JCN	REVISED -
		DATE - APRIL 5, 1999	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STORM WATER POLLUTION
PREVENTION PLAN**

F.A.P. RTE. 550	SECTION (9,10); 11(RS-1,B1)	COUNTY SCHUYLER	TOTAL SHEETS 86	SHEET NO. 53
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 72802	



LEGEND

◆ PR PERMANENT DITCH CHECK

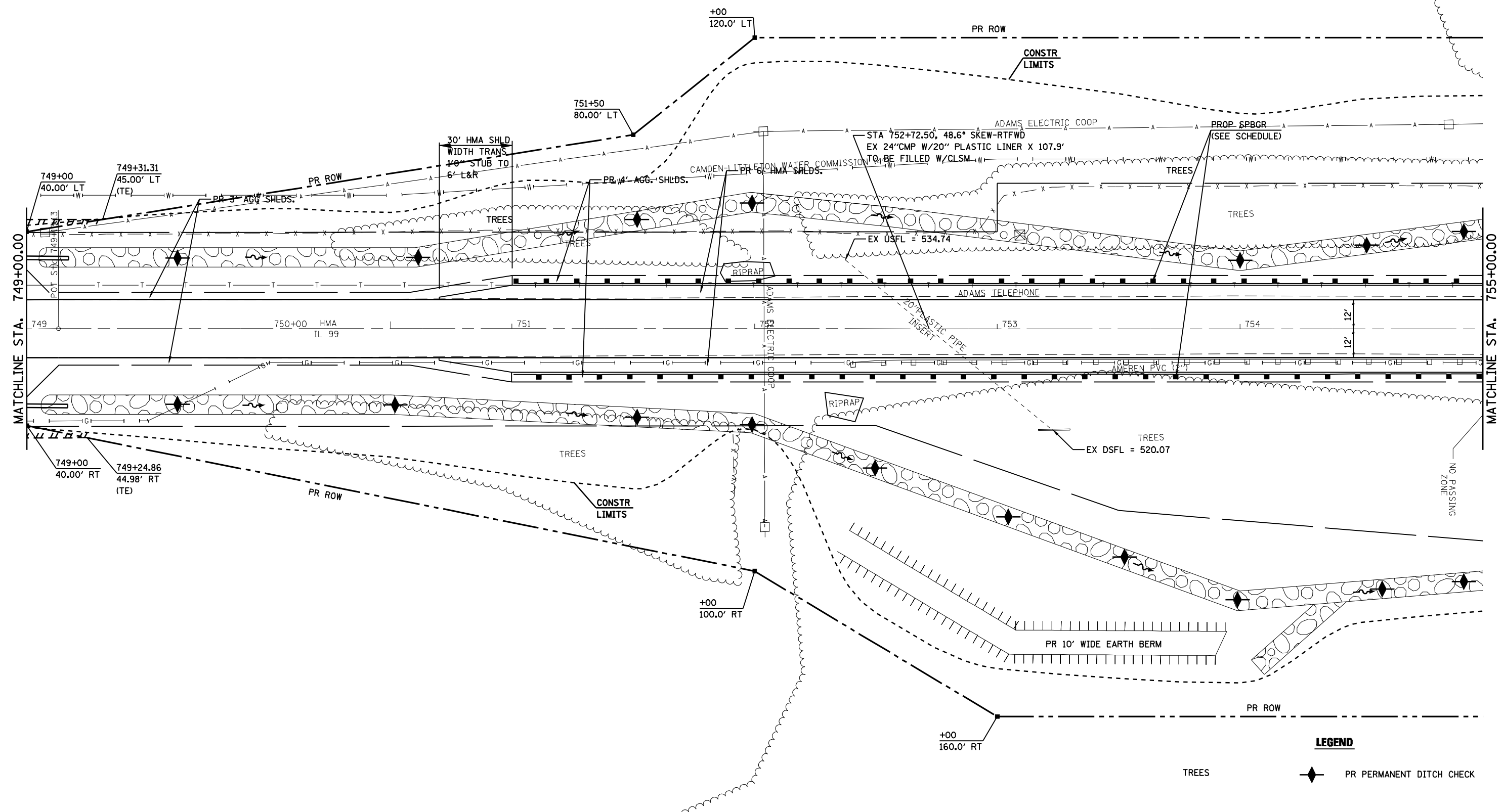
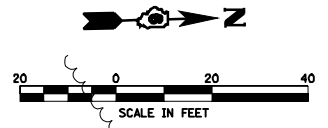
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	PLOT DATE = Apr-06-2010 01:19:08PM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STORM WATER POLLUTION
PREVENTION PLAN SHEETS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(9,10); 11(RS-1,B1)	SCHUYLER	86	54
CONTRACT NO. 72802			ILLINOIS FED. AID PROJECT	



LEGEND
 ◆ PR PERMANENT DITCH CHECK

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STORM WATER POLLUTION PREVENTION PLAN SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = Apr-06-2010 01:19:10PM	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 72802				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



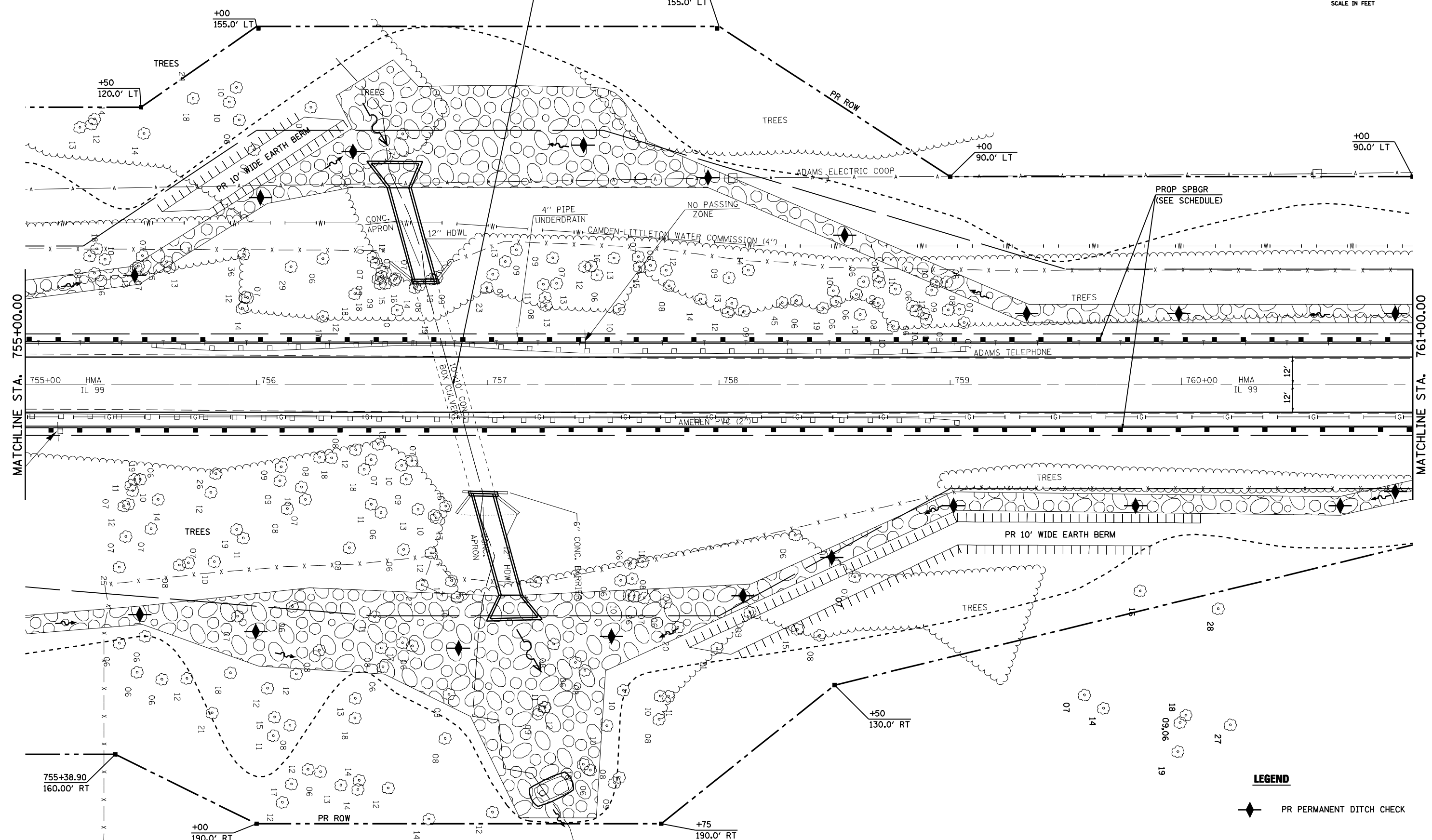
STA 756+85.00, 15° SKEW-RTFWD
EX 10' X 10' RC BOX CULV TO BE EXTENDED
(SEE DETAILS)

+00
155.0' LT

+50
120.0' LT

+00
90.0' LT

+00
90.0' LT



LEGEND
PR PERMANENT DITCH CHECK

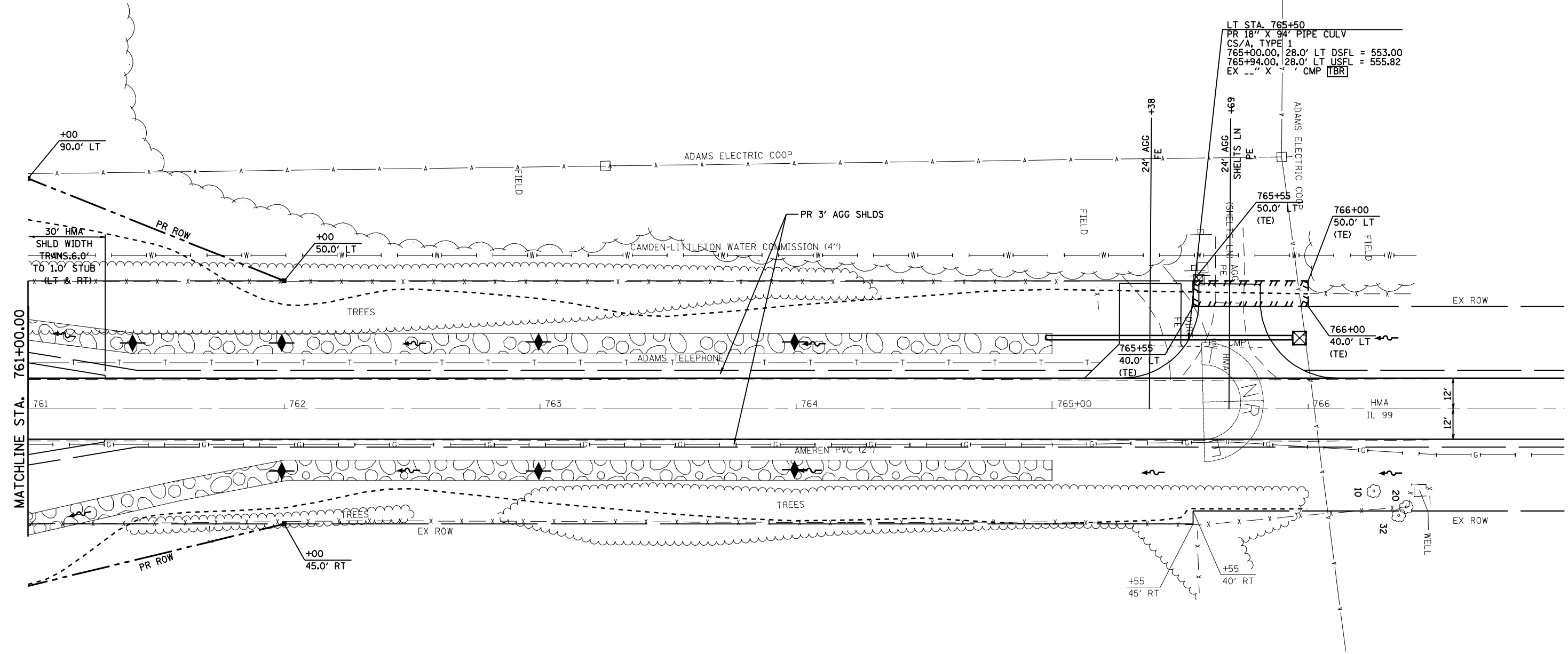
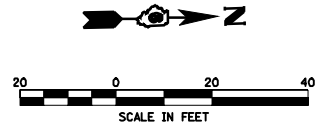
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STORM WATER POLLUTION
PREVENTION PLAN SHEETS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(9,10); 11(RS-1,B1)	SCHUYLER	86	56
CONTRACT NO. 72802				
ILLINOIS FED. AID PROJECT				

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



LT STA. 765+50
 PR 18" X 94" PIPE CULV
 CS/A, TYPE 1
 765+00.00, 28.0' LT DSFL = 553.00
 765+94.00, 28.0' LT USFL = 555.82
 EX --" X --" CMP TBR

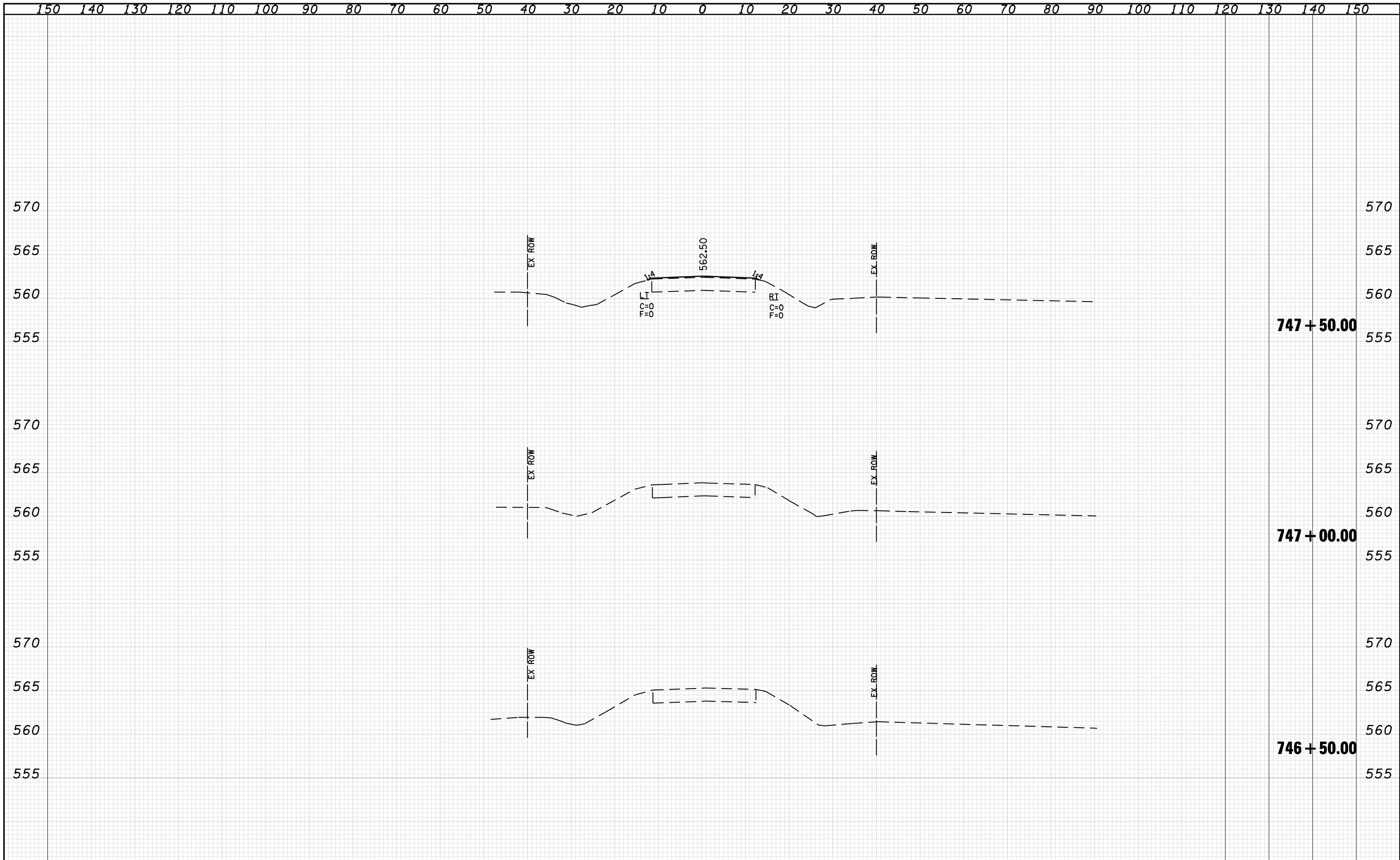
LEGEND

◆ PR PERMANENT DITCH CHECK

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STORM WATER POLLUTION PREVENTION PLAN SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = Apr-06-2010 01:19:15PM	DATE -	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 72802				
					ILLINOIS FED. AID PROJECT							

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

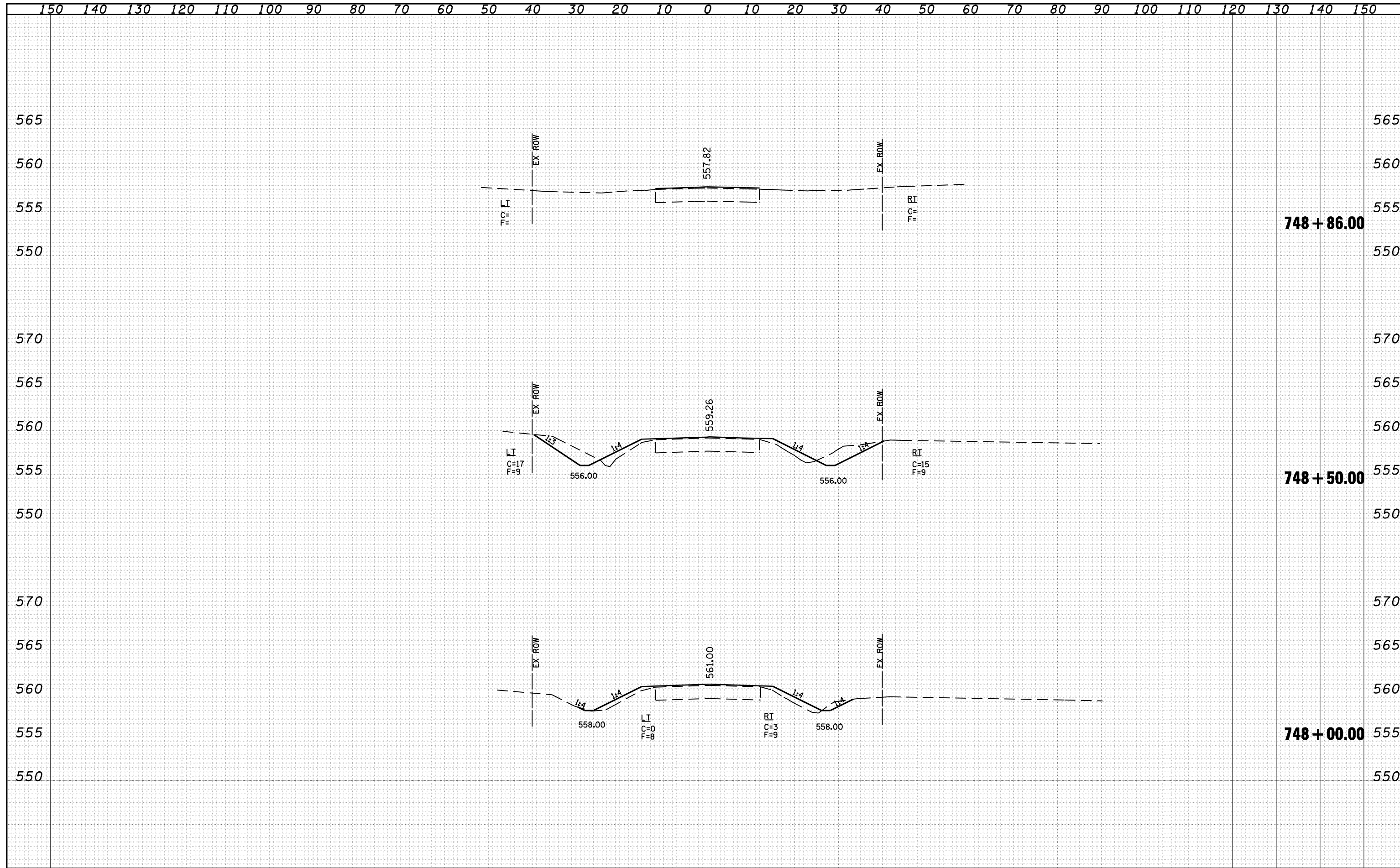


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		DATE -	REVISIED -						

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
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TEMPLATE	
AREAS	
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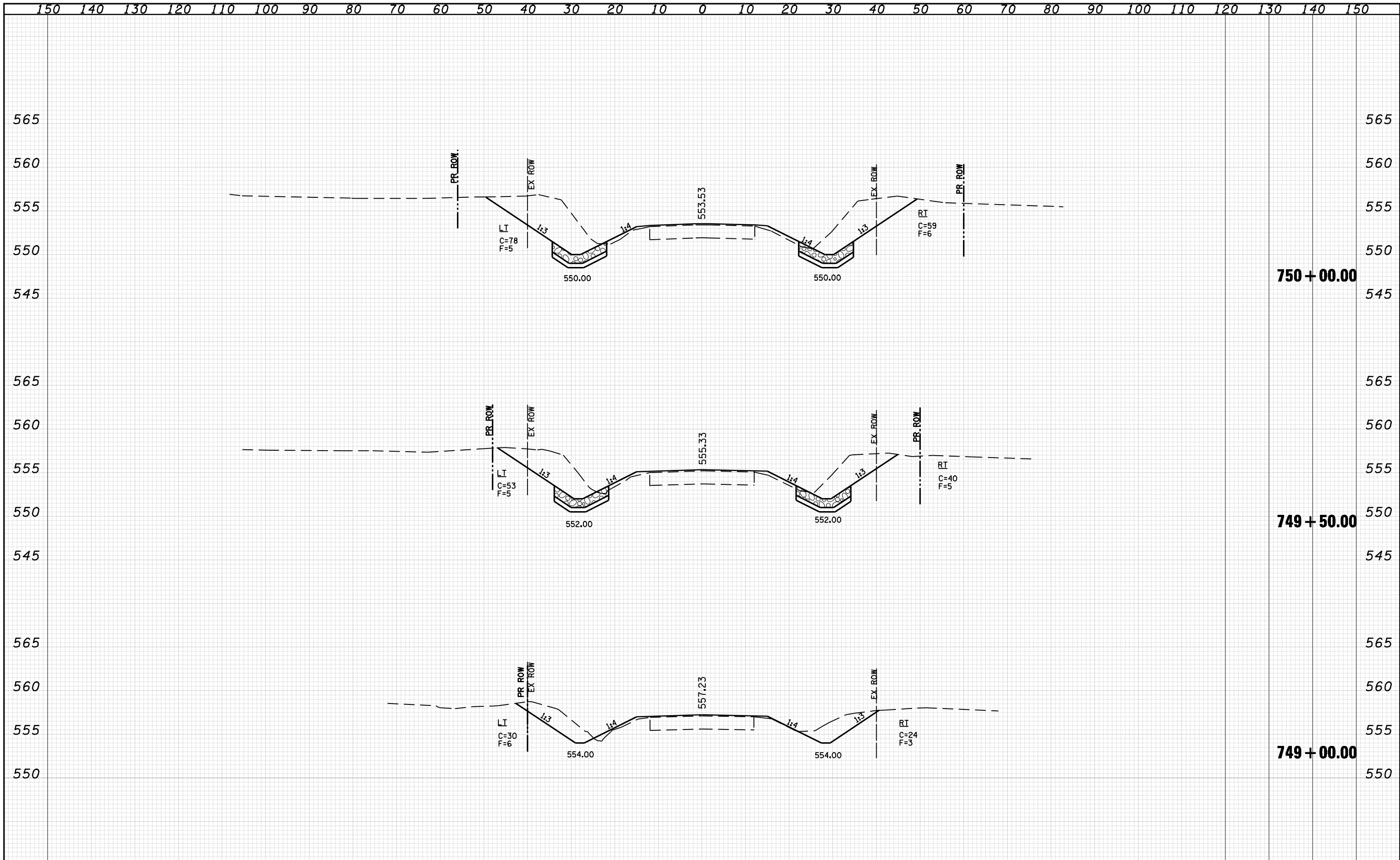


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o:\pwork\pwidot\LAUGHLINRL\dms25016\0653103-ah-t-x-shite001.dgn		DRAWN -	REVISED -		CONTRACT NO. 72802		ILLINOIS FED. AID PROJECT			
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PLOT DATE = Apr-06-2010 01:19:29PM		DATE -	REVISED -							

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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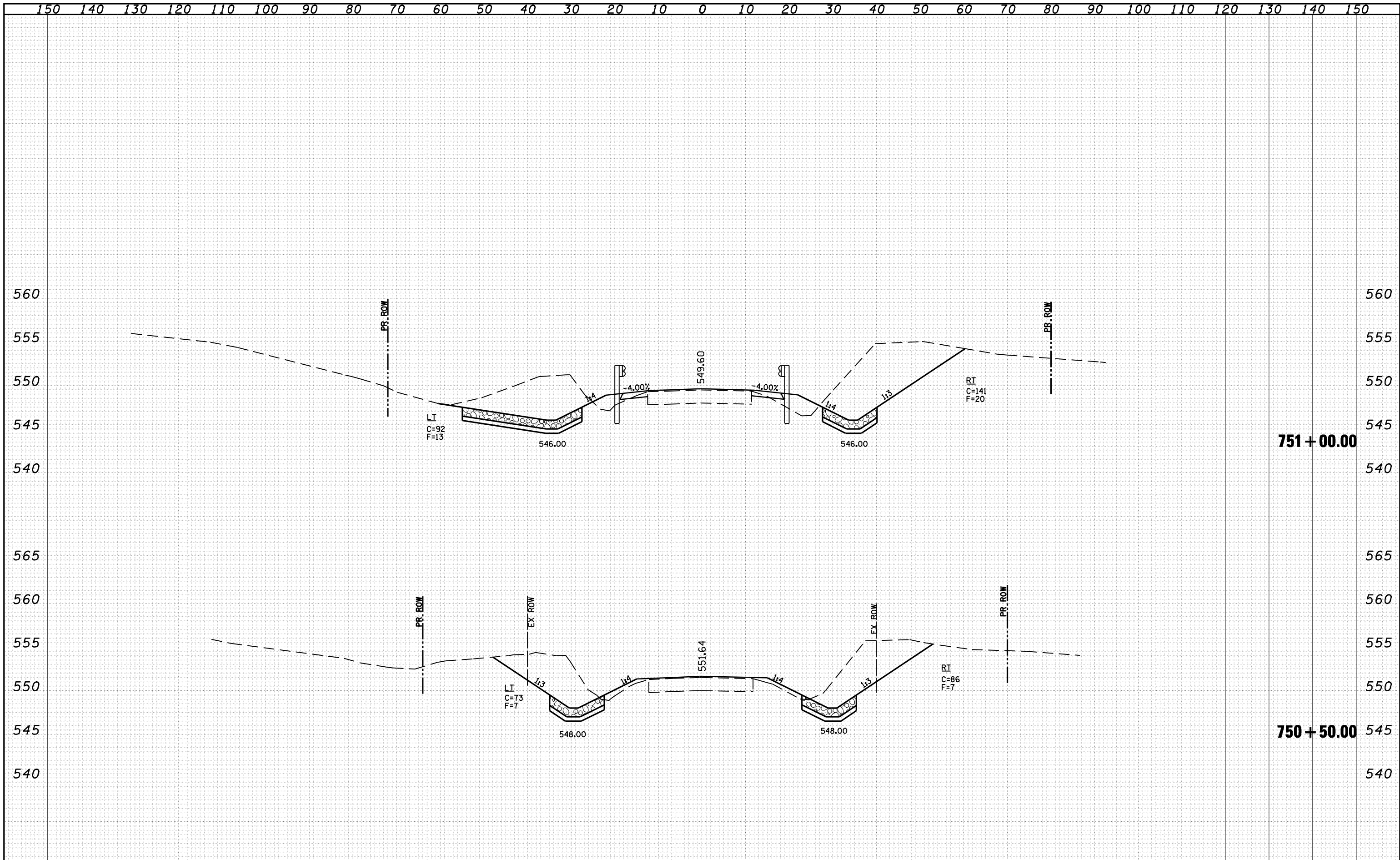
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		CHECKED -	REVISIED -	
		DATE -	REVISIED -	
PLOT SCALE = 20.0000' / IN.				
PLOT DATE = Apr-06-2010 01:19:36PM				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
550	(9,10); 11(RS-1,B1)	SCHUYLER	86	60
CONTRACT NO. 72802			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
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NOTE BOOK	
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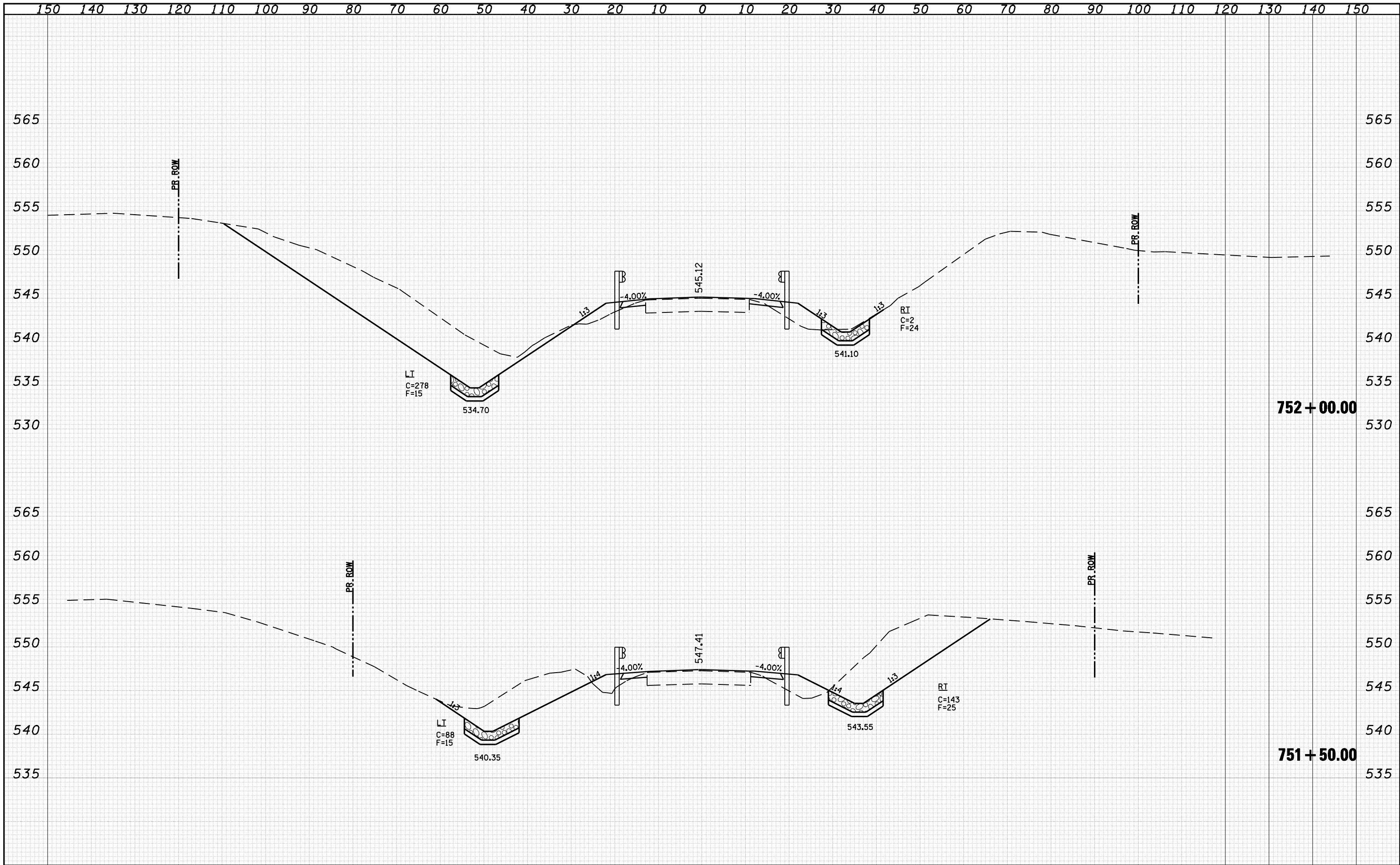
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NOTE BOOK	
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FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTIONS</p>	F.A.P. RTE. 550	SECTION (9,10); 11(RS-1,B1)	COUNTY SCHUYLER	TOTAL SHEETS 86	SHEET NO. 61	
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PLOT DATE = Apr-06-2010 01:19:43PM		DATE -	REVISED -							

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISIED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTIONS</p>	F.A.P. RTE. 550	SECTION (9,10); 11(RS-1,B1)	COUNTY SCHUYLER	TOTAL SHEETS 86	SHEET NO. 62	
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FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	DATE

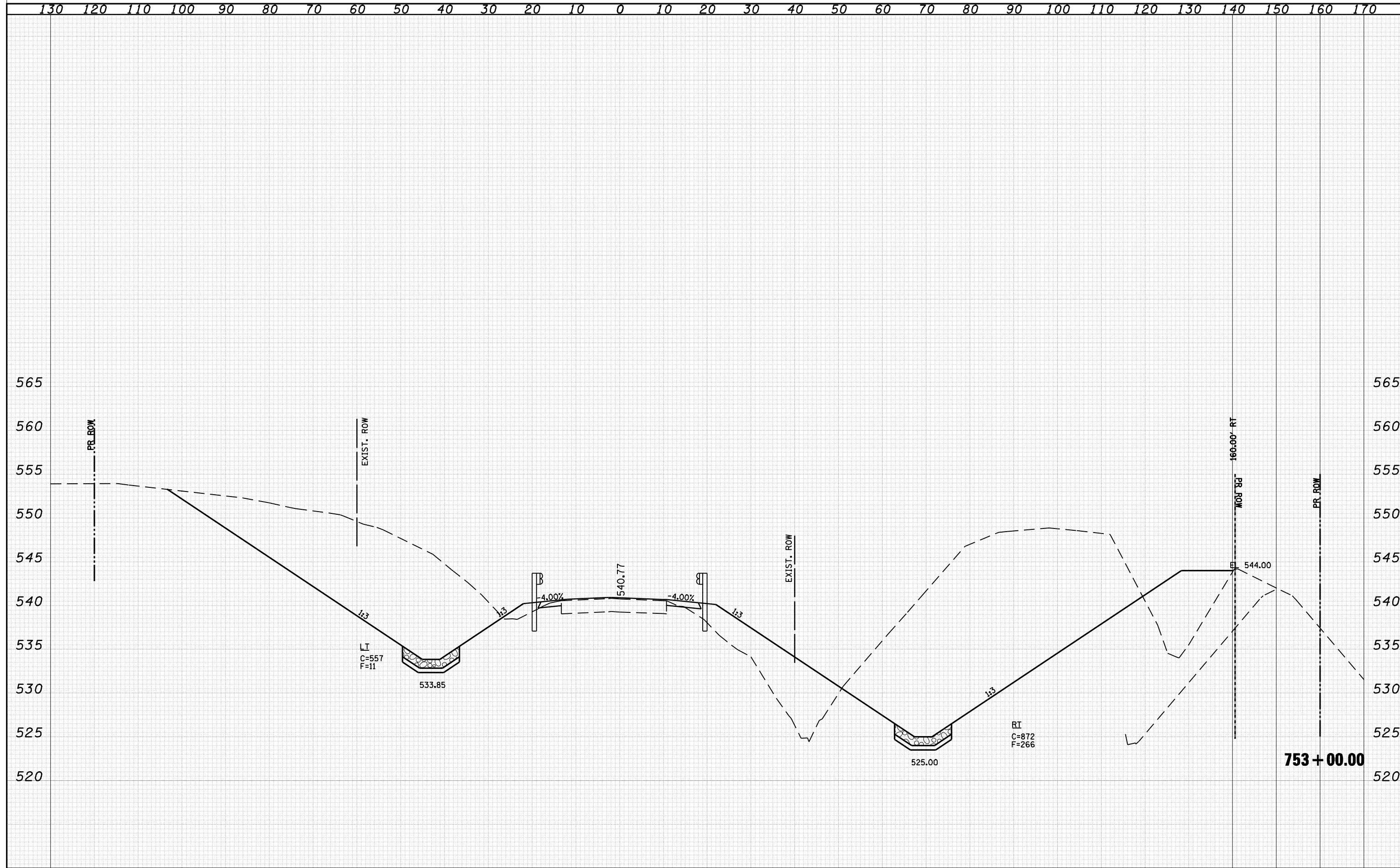
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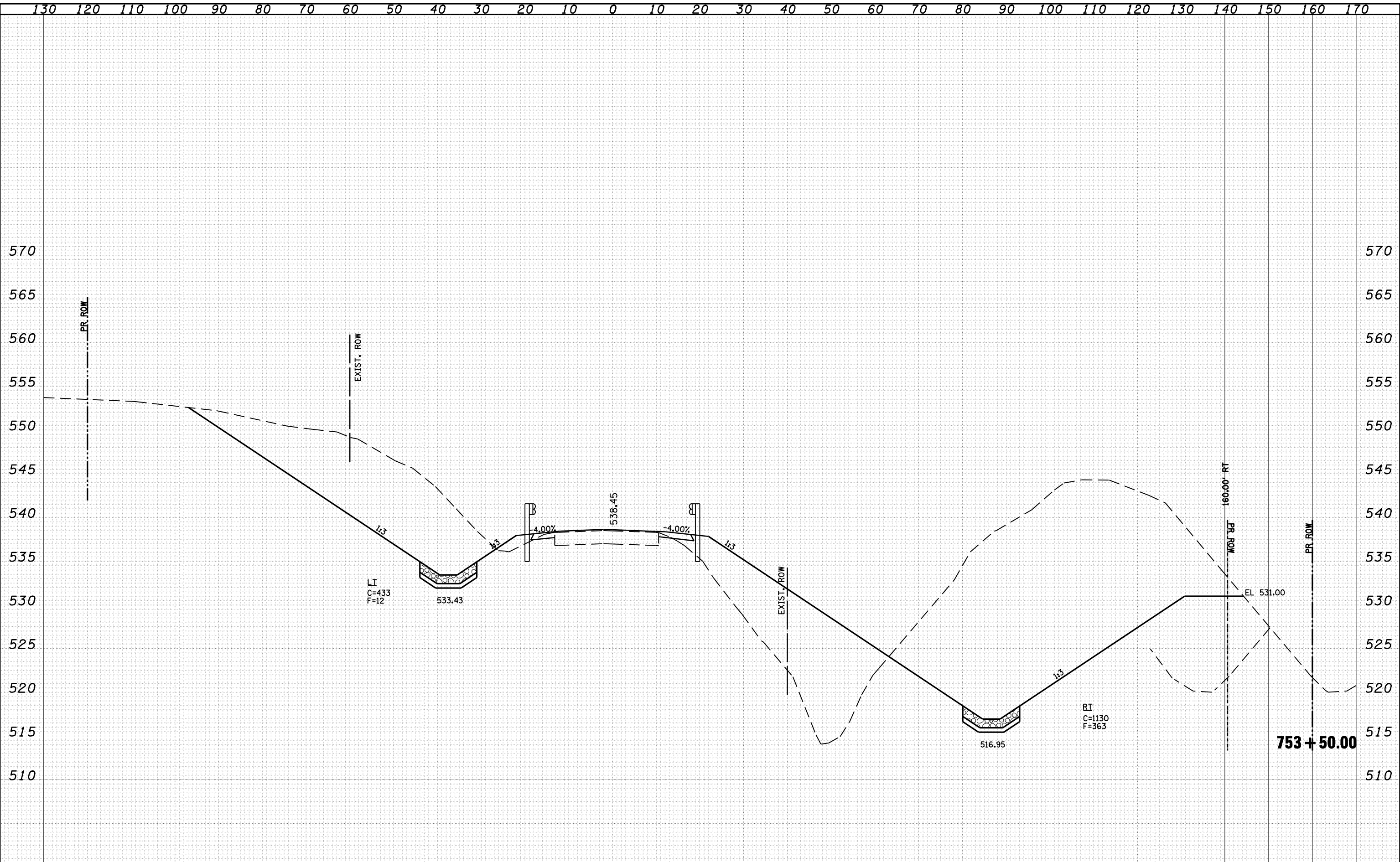
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NOTE BOOK	PLOTTED	
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	AREAS	
	CHECKED	



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS		F.A.P. RTE. 550	SECTION (9,10); 11(RS-1,B1)	COUNTY SCHUYLER	TOTAL SHEETS 86	SHEET NO. 64	
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FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
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	CHECKED	

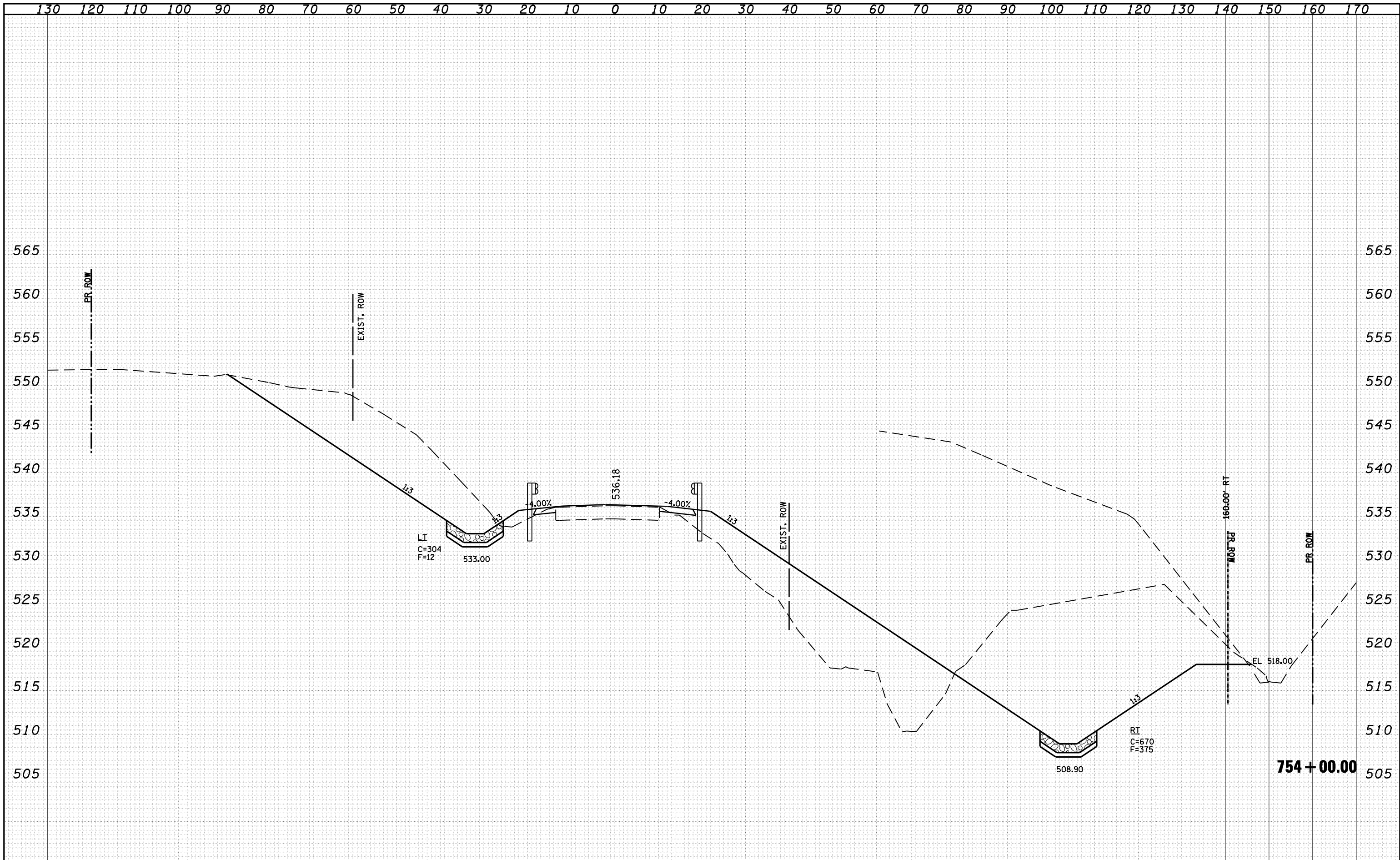
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NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS	
	CHECKED	



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		DATE -	REVISIED -	
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				F.A.P. RTE. 550 SECTION (9.10)I, 11(RS-1,B1) COUNTY SCHUYLER TOTAL SHEETS 86 SHEET NO. 65 CONTRACT NO. 72802 ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

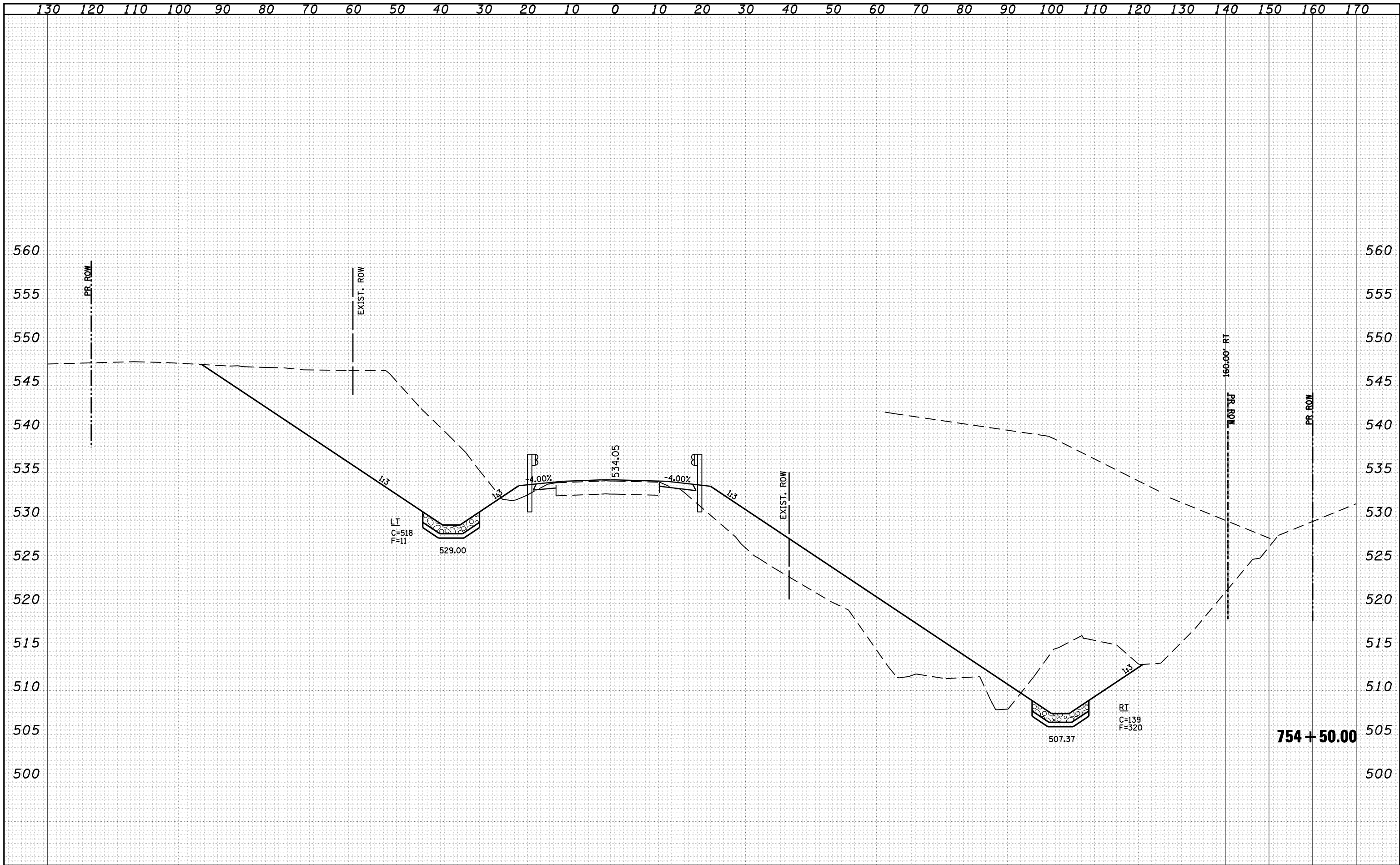
DATE	
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NOTE BOOK	PLOTTED
NO.	AREAS CHECKED



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS		F.A.P. RTE. 550	SECTION (9,10); 11(RS-1,B1)	COUNTY SCHUYLER	TOTAL SHEETS 86	SHEET NO. 66	
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DATE	
BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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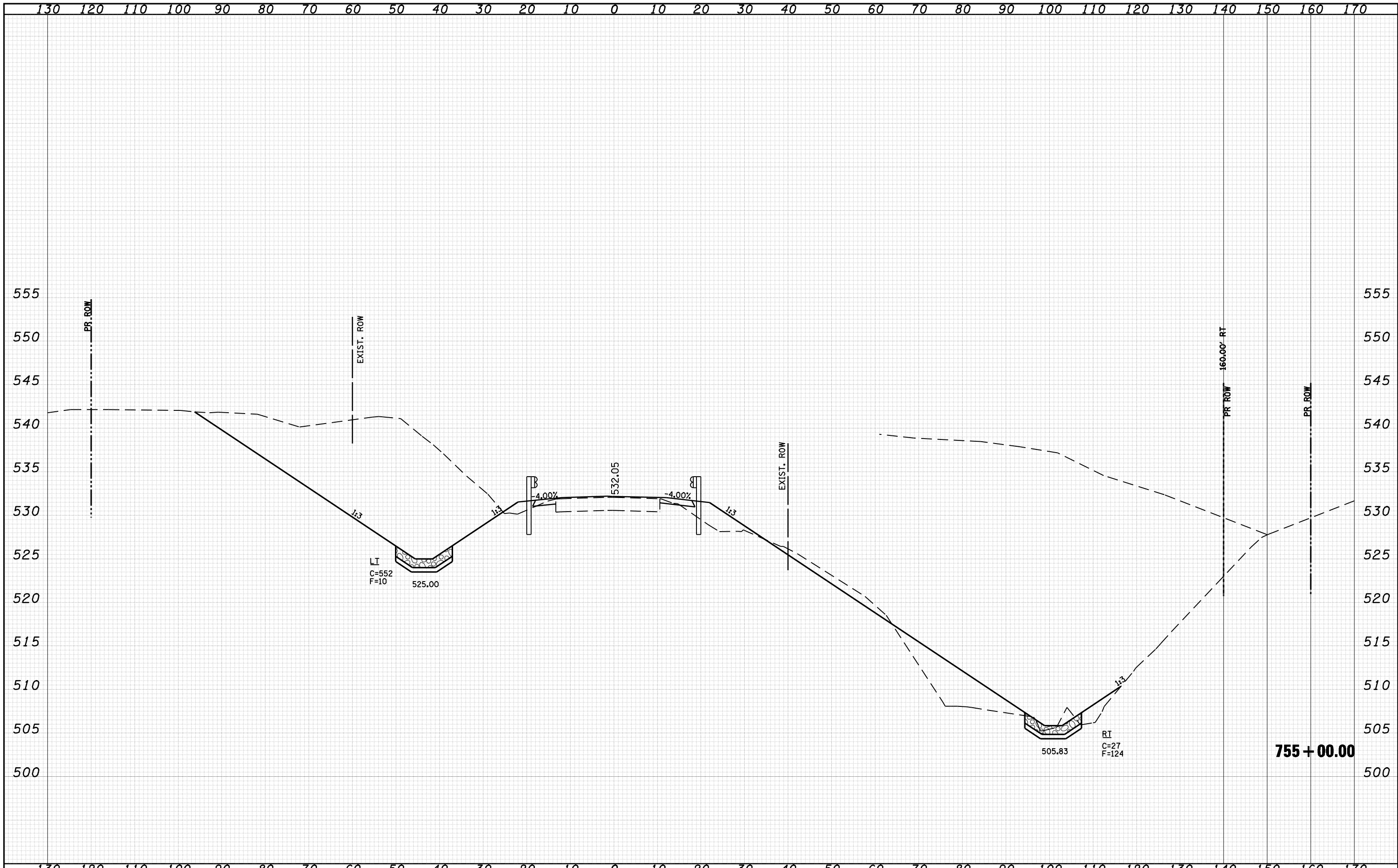
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISIED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTIONS</p>	F.A.P. RTE. 550	SECTION (9,10); 11(RS-1,B1)	COUNTY SCHUYLER	TOTAL SHEETS 86	SHEET NO. 67	
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		DATE -	REVISIED -							

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
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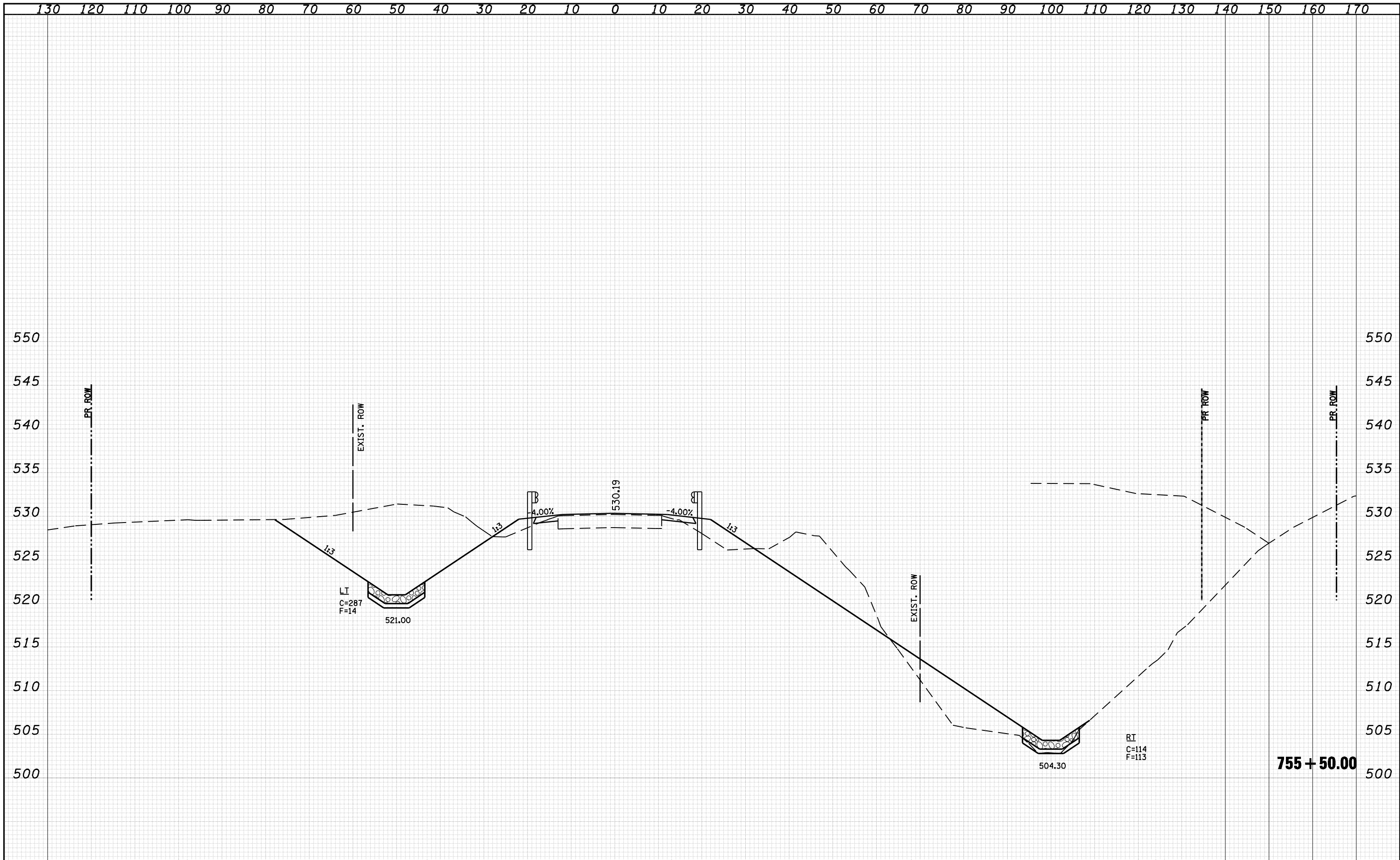
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ORIGINAL SURVEY NOTE BOOK NO.	



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTIONS</p> <p>SCALE: SHEET NO. OF SHEETS STA. 755+00.00 TO STA. 755+00.00</p>
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		DATE -	REVISED -	
F.A.P. RTE. 550	SECTION (9,10); 11(RS-1,B1)	COUNTY SCHUYLER	TOTAL SHEETS 86	SHEET NO. 68
			CONTRACT NO. 72802	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

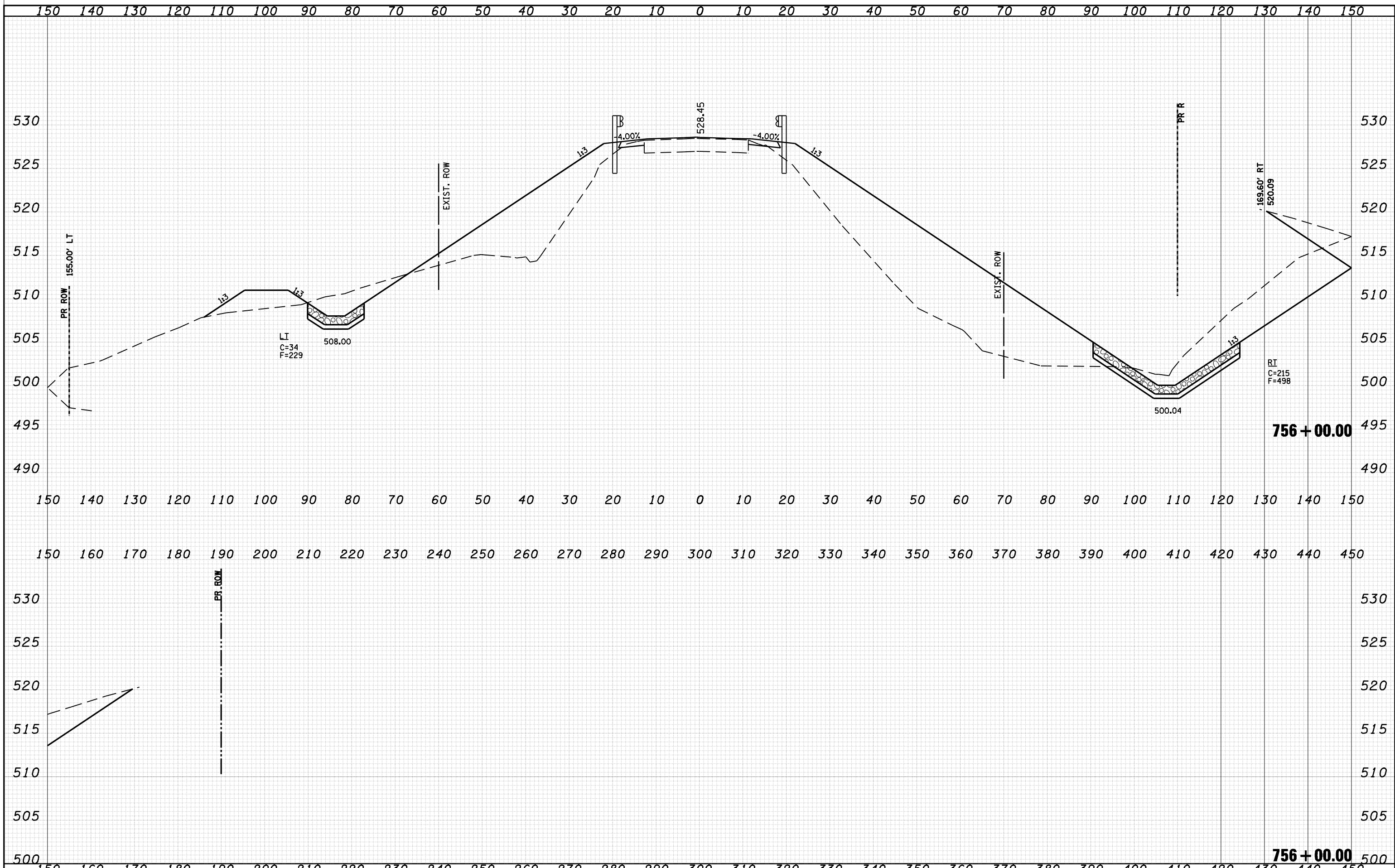
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BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS		F.A.P. RTE. 550	SECTION (9,10); 11(RS-1,B1)	COUNTY SCHUYLER	TOTAL SHEETS 86	SHEET NO. 69	
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PLOT DATE = Apr-06-2010 01:20:36PM		DATE -	REVISIED -									
755 + 50.00												

DATE	
BY	
SURVEYED	
PLOTTED	
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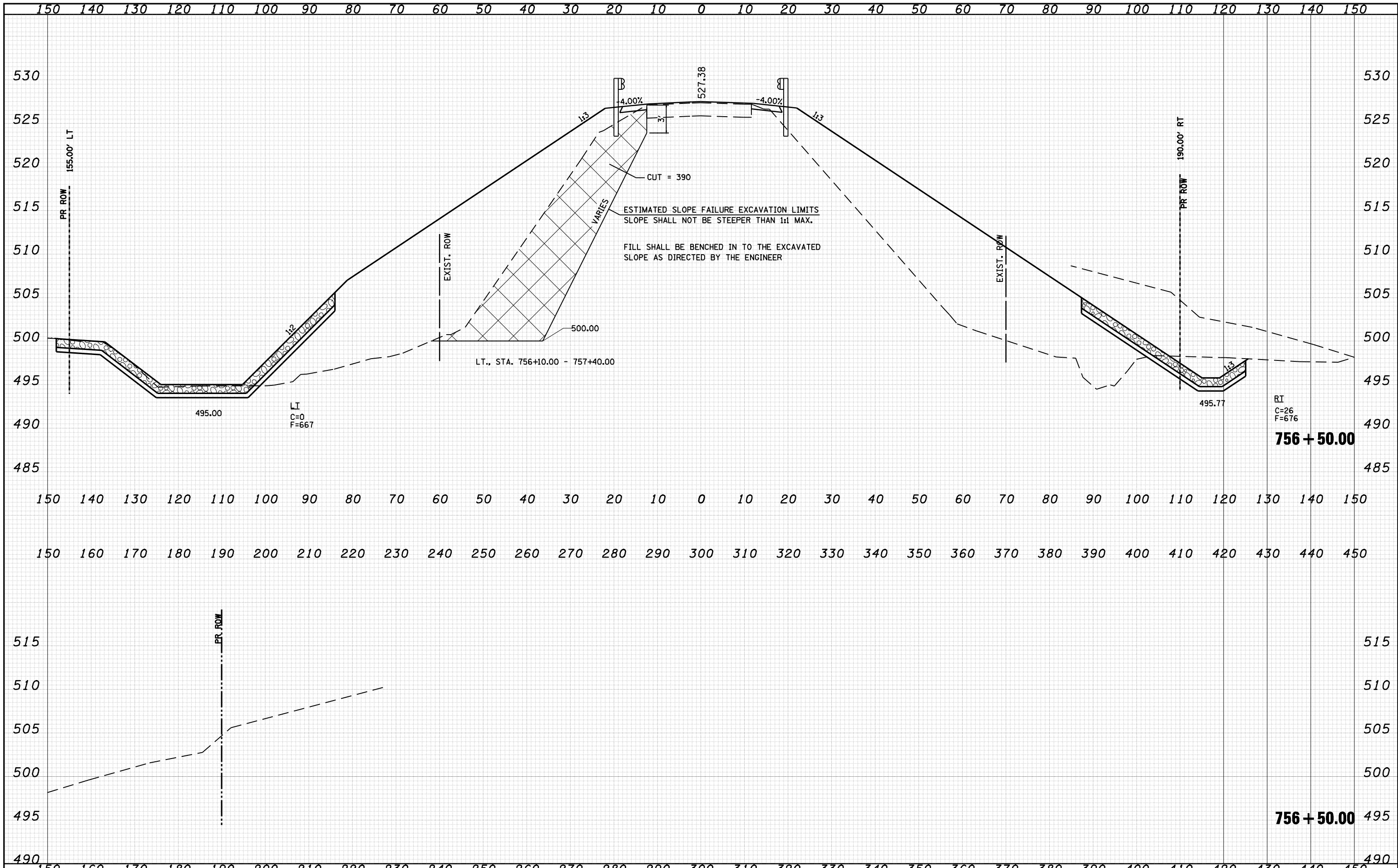
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		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
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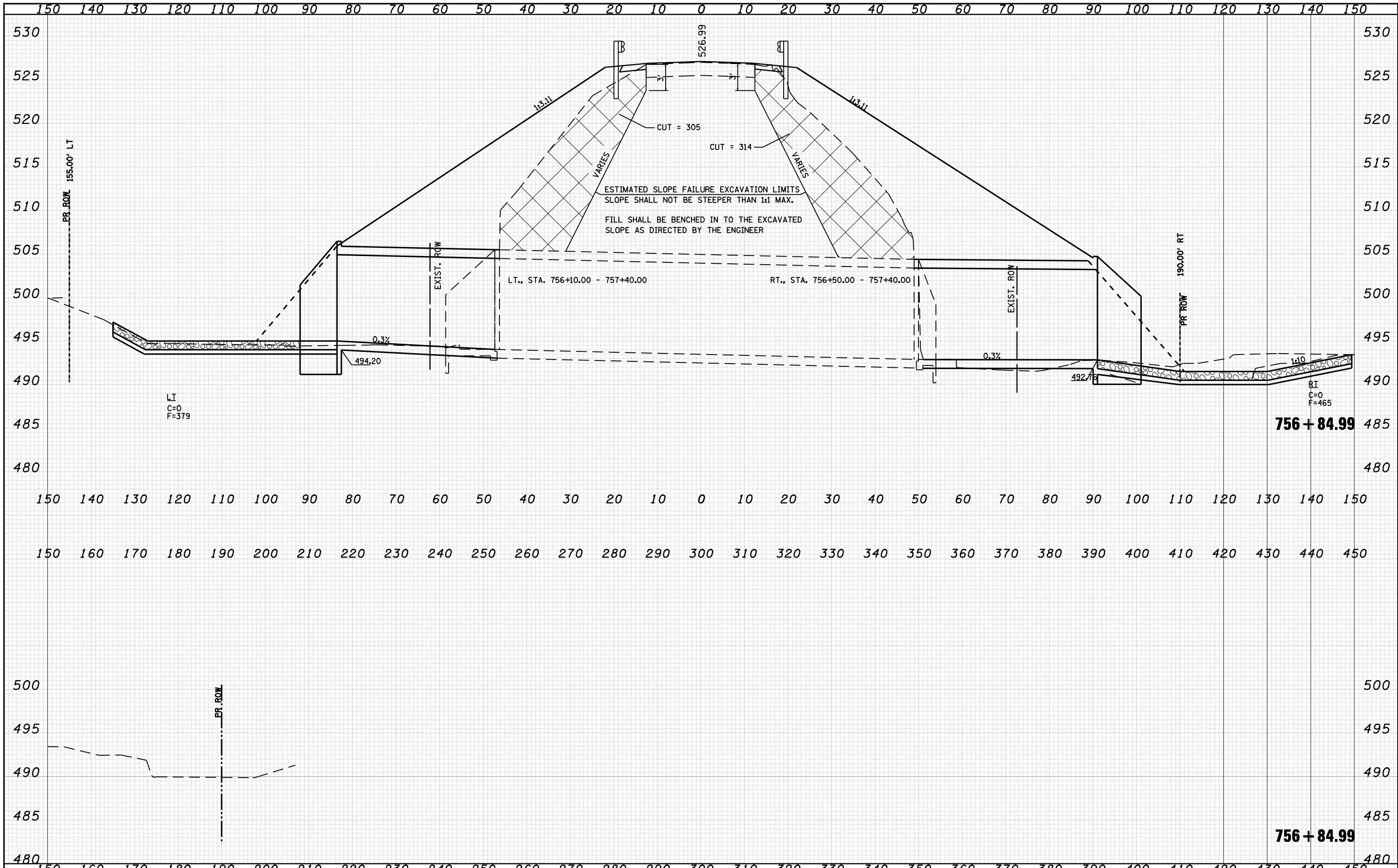


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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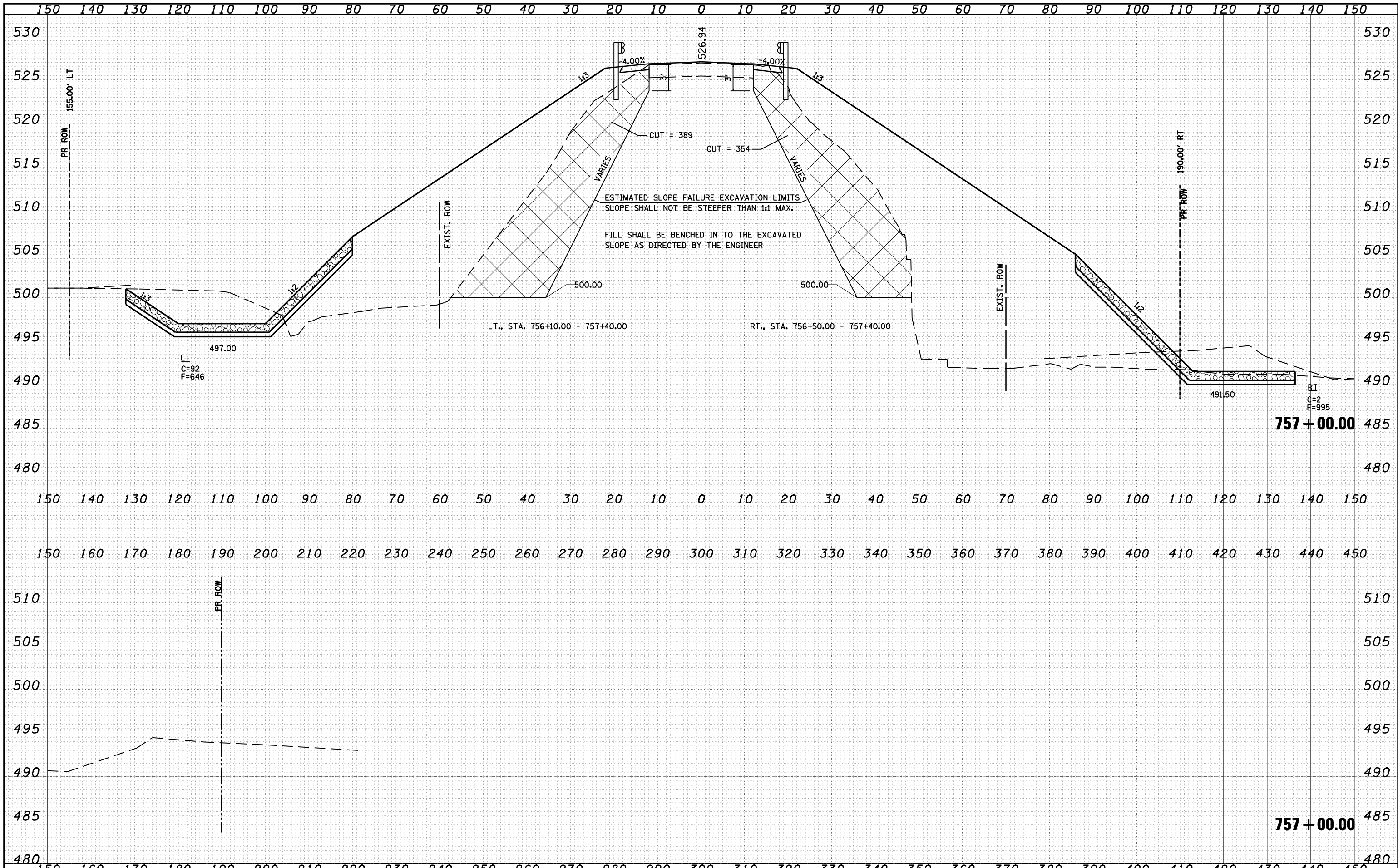
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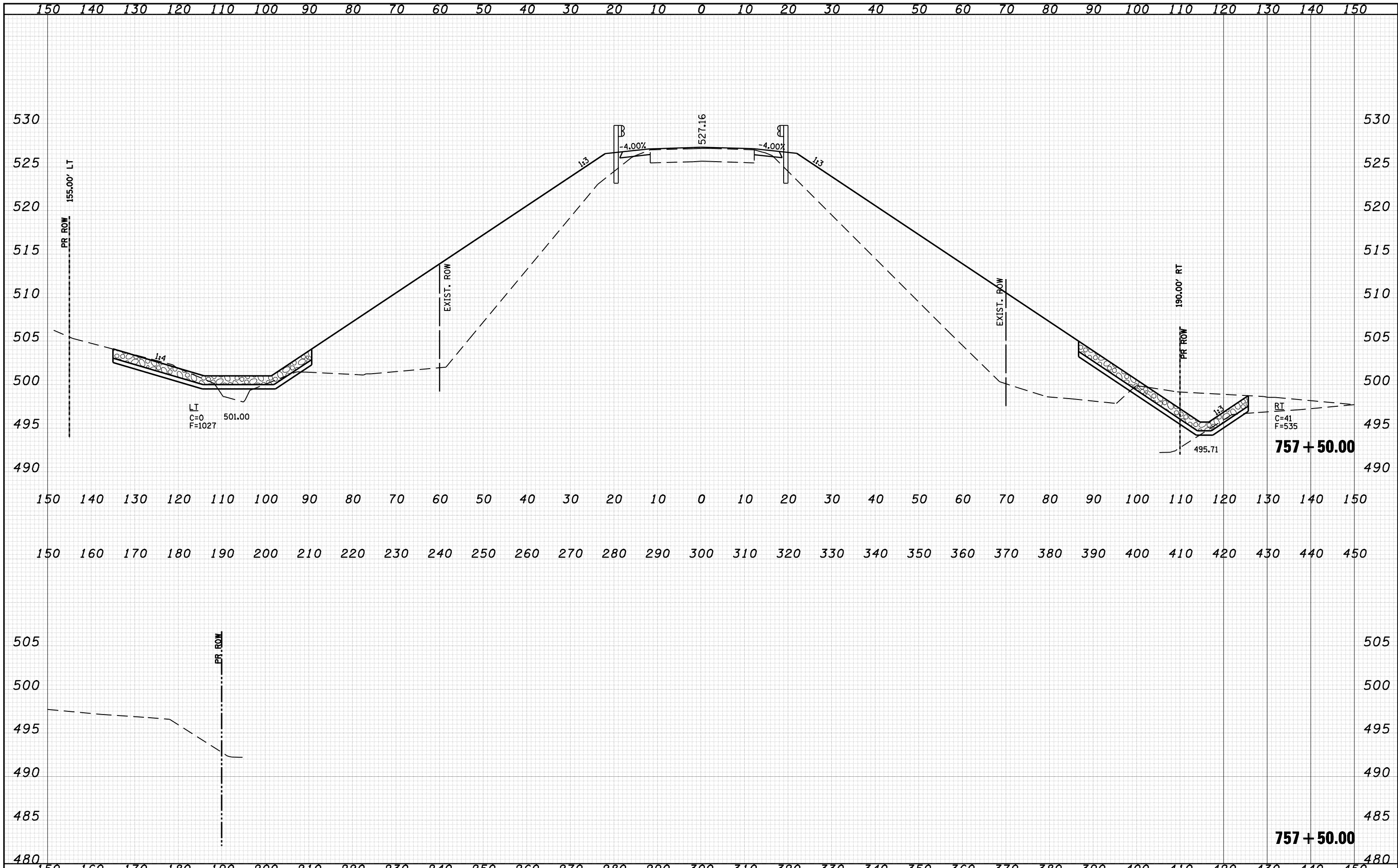
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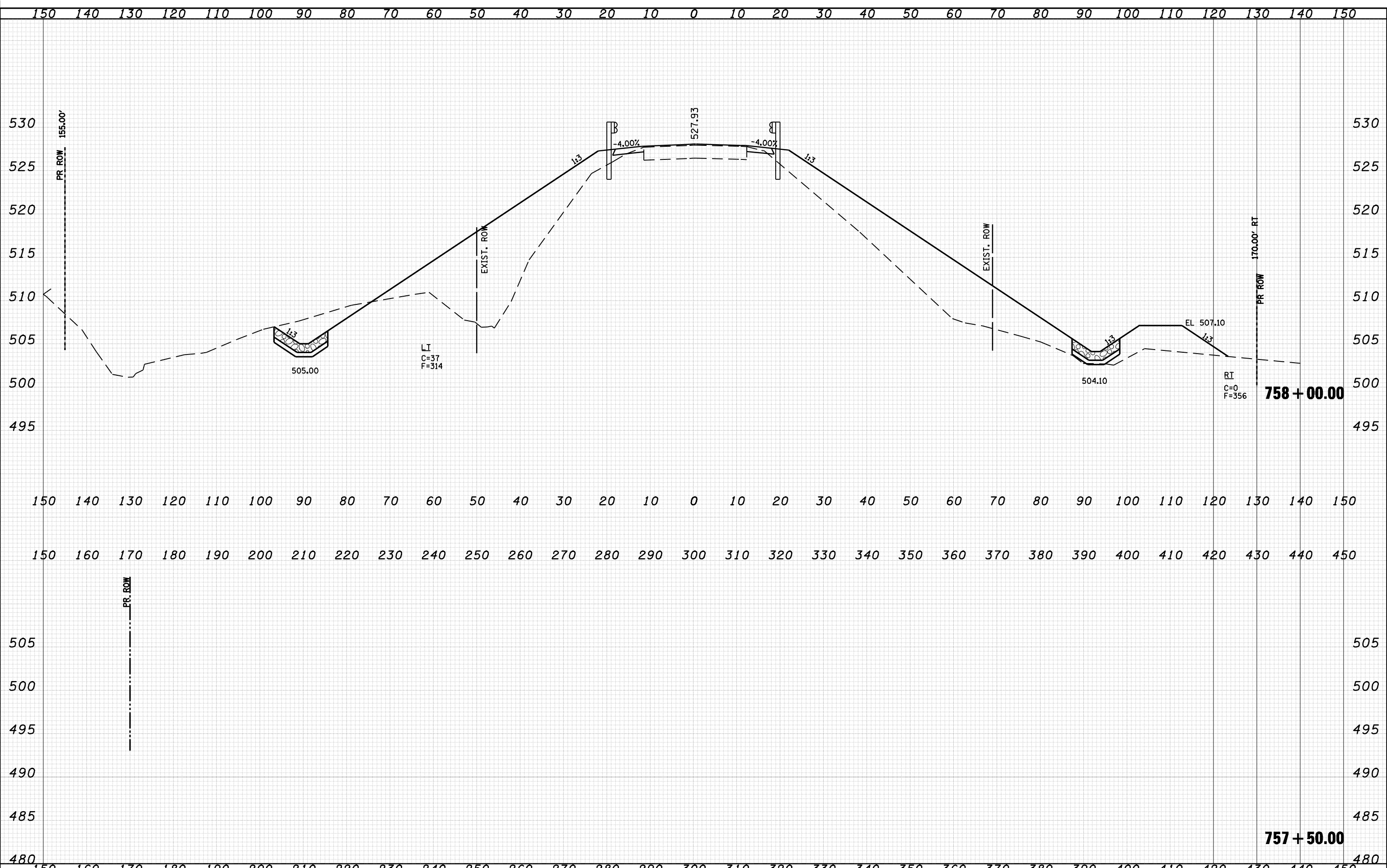
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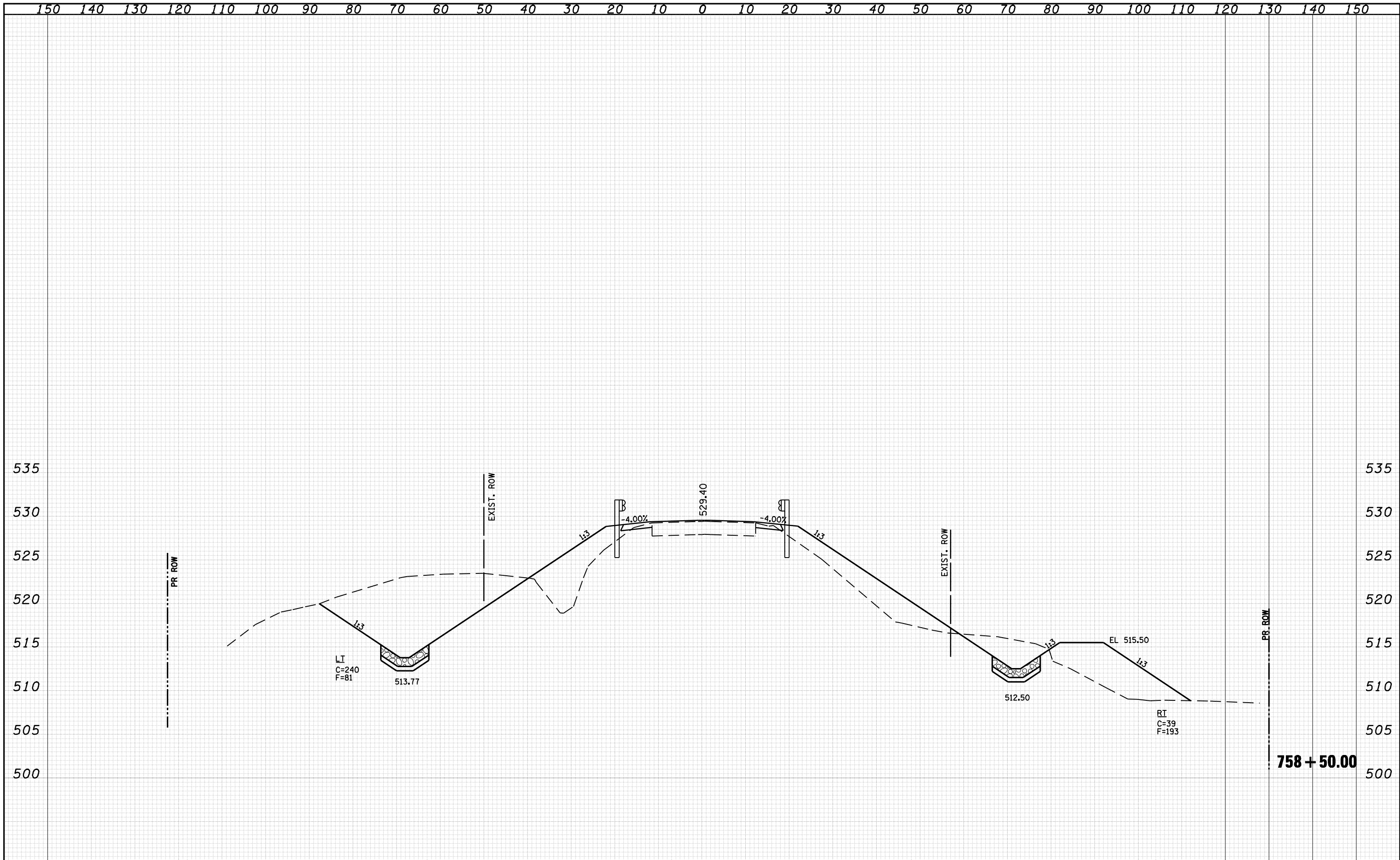
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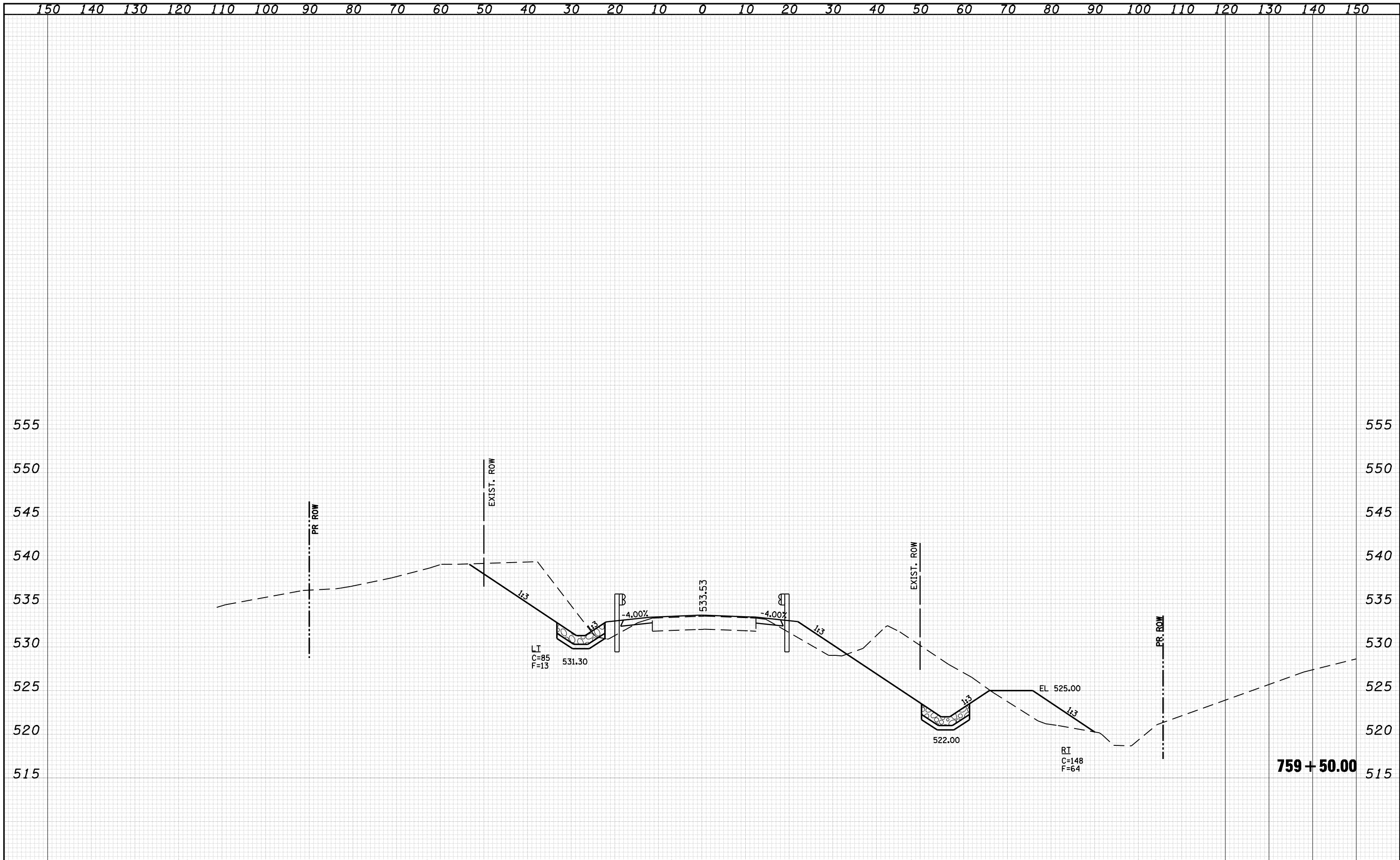
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FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISIED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTIONS</p> <p>SCALE: SHEET NO. OF SHEETS STA. 758+50.00 TO STA. 758+50.00</p>															
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PLOT SCALE = 20.0000' / IN.				<table border="1"> <tr> <th>F.A.P. RTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>550</td> <td>(9,10); 11(RS-1,B1)</td> <td>SCHUYLER</td> <td>86</td> <td>76</td> </tr> <tr> <td colspan="5">CONTRACT NO. 72802</td> </tr> </table>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	550	(9,10); 11(RS-1,B1)	SCHUYLER	86	76	CONTRACT NO. 72802				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.															
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CONTRACT NO. 72802																			
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FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.P. RTE. 550	SECTION (9,10); 11(RS-1,B1)	COUNTY SCHUYLER	TOTAL SHEETS 86	SHEET NO. 78
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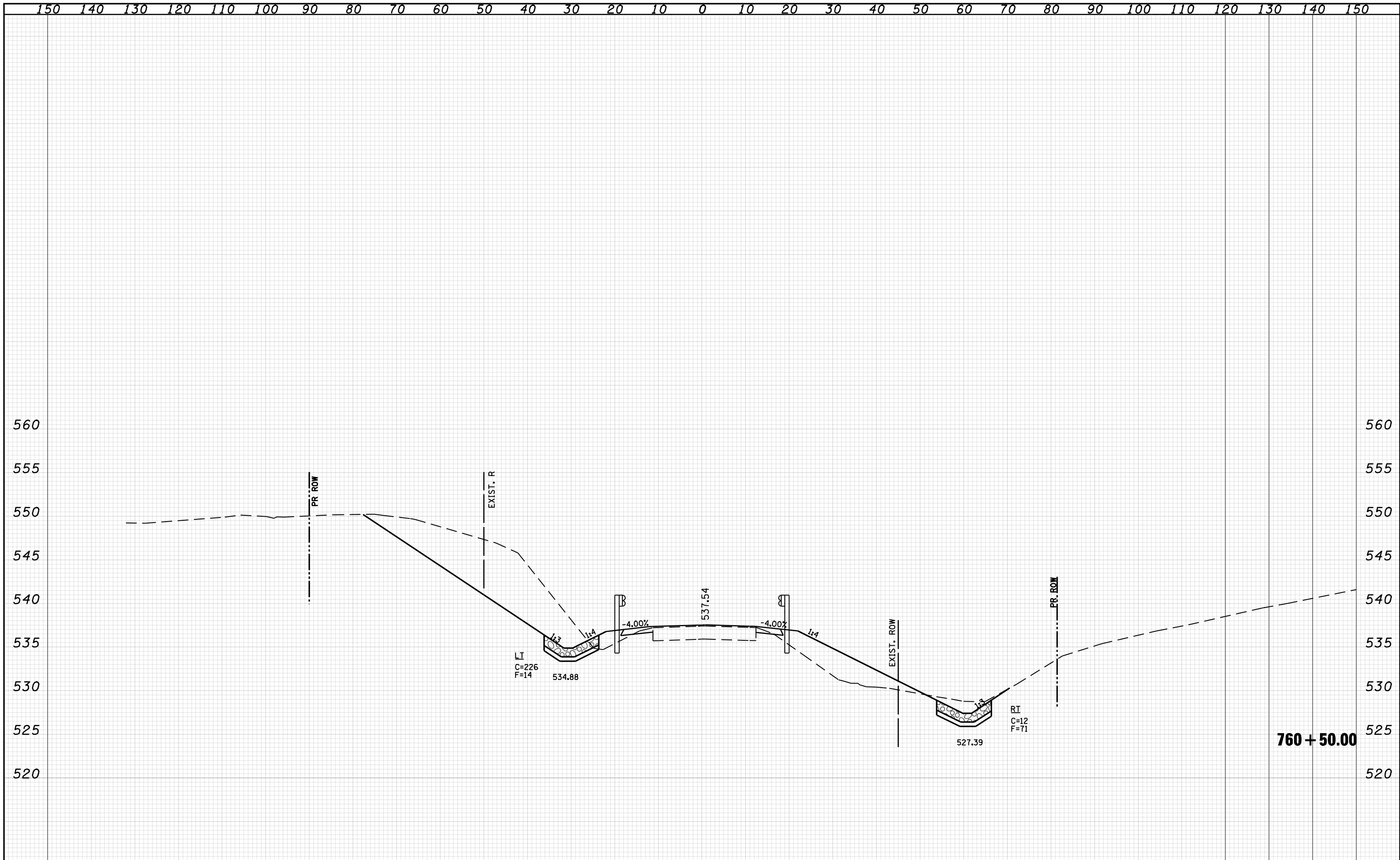
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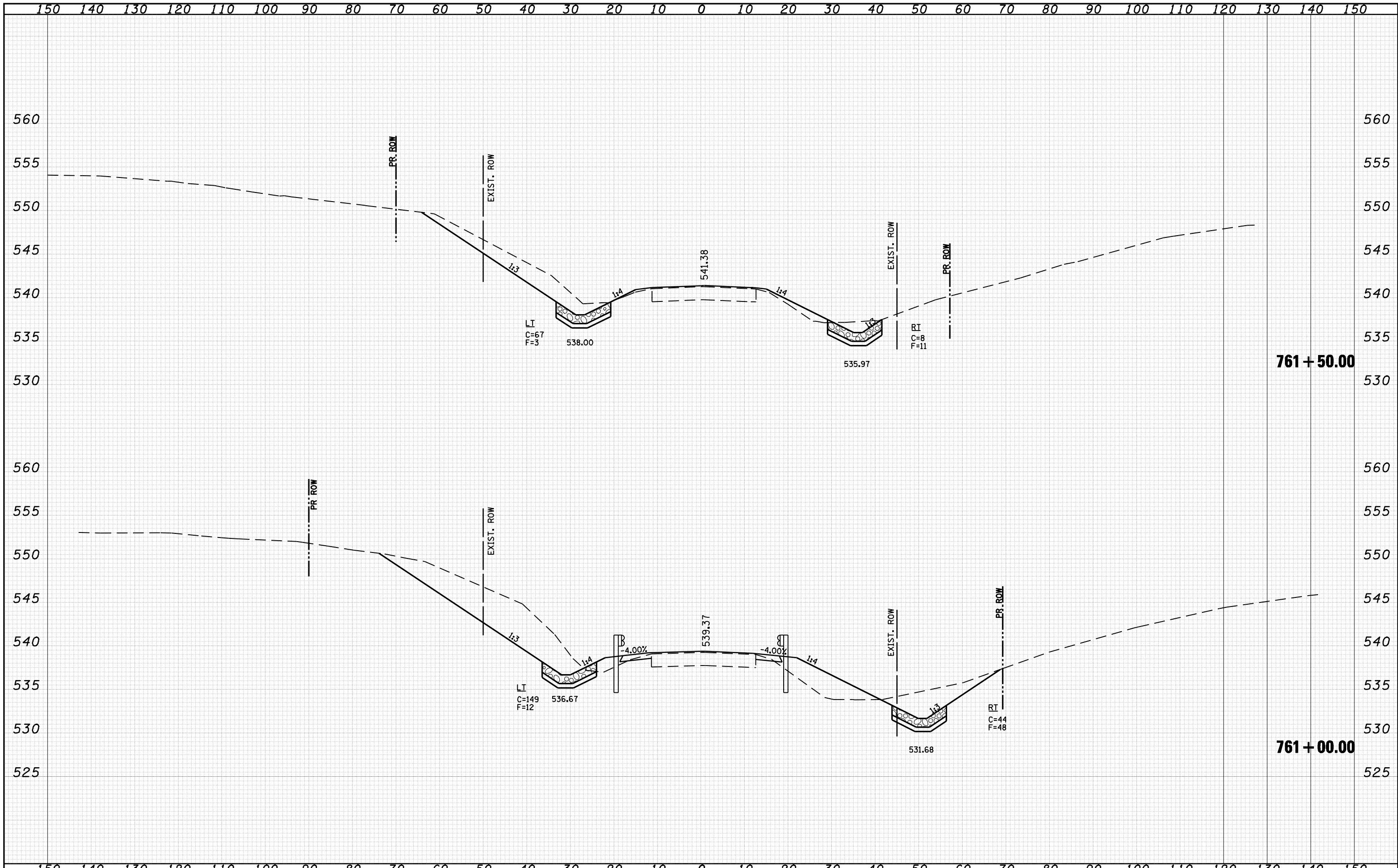
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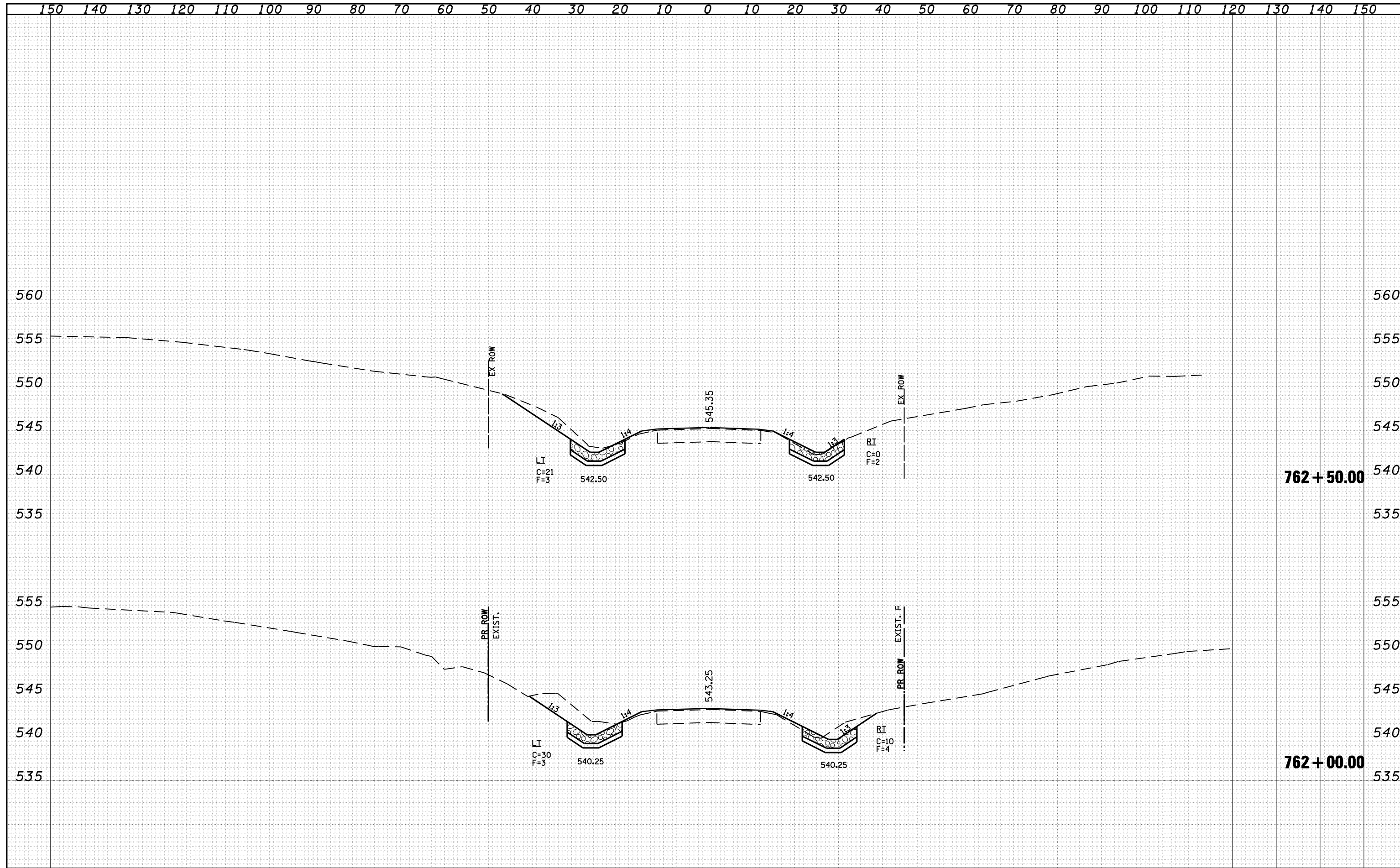
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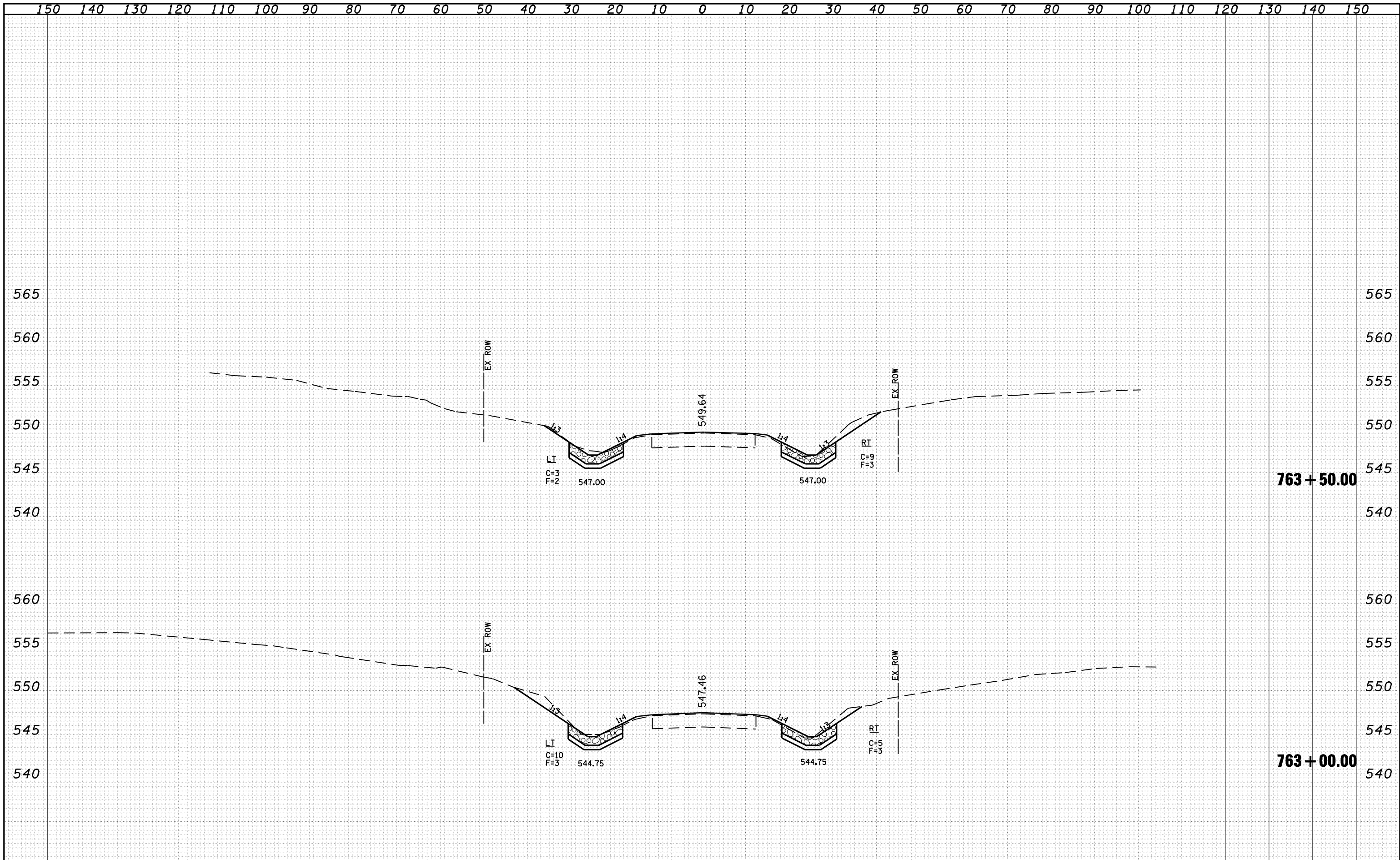


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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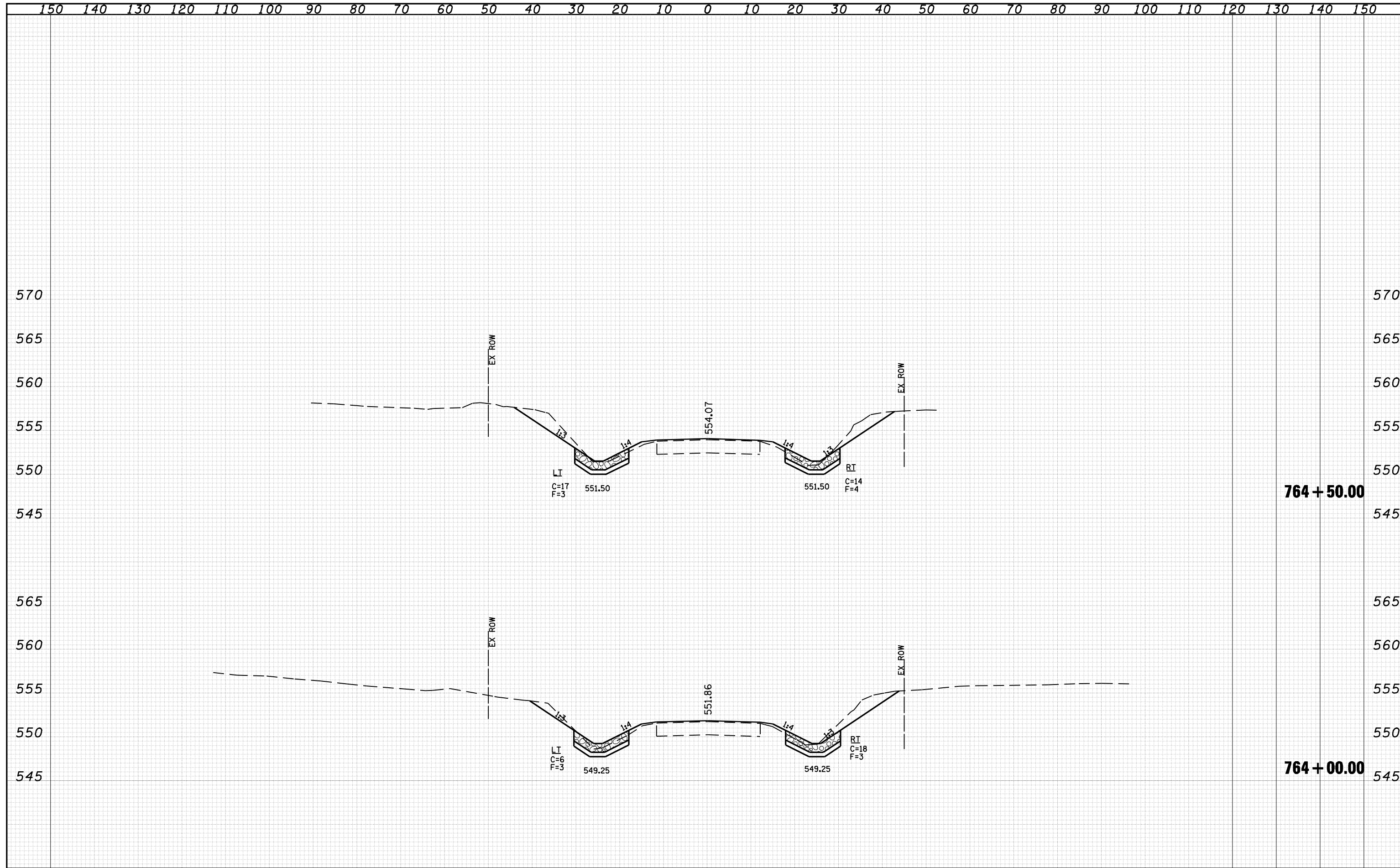
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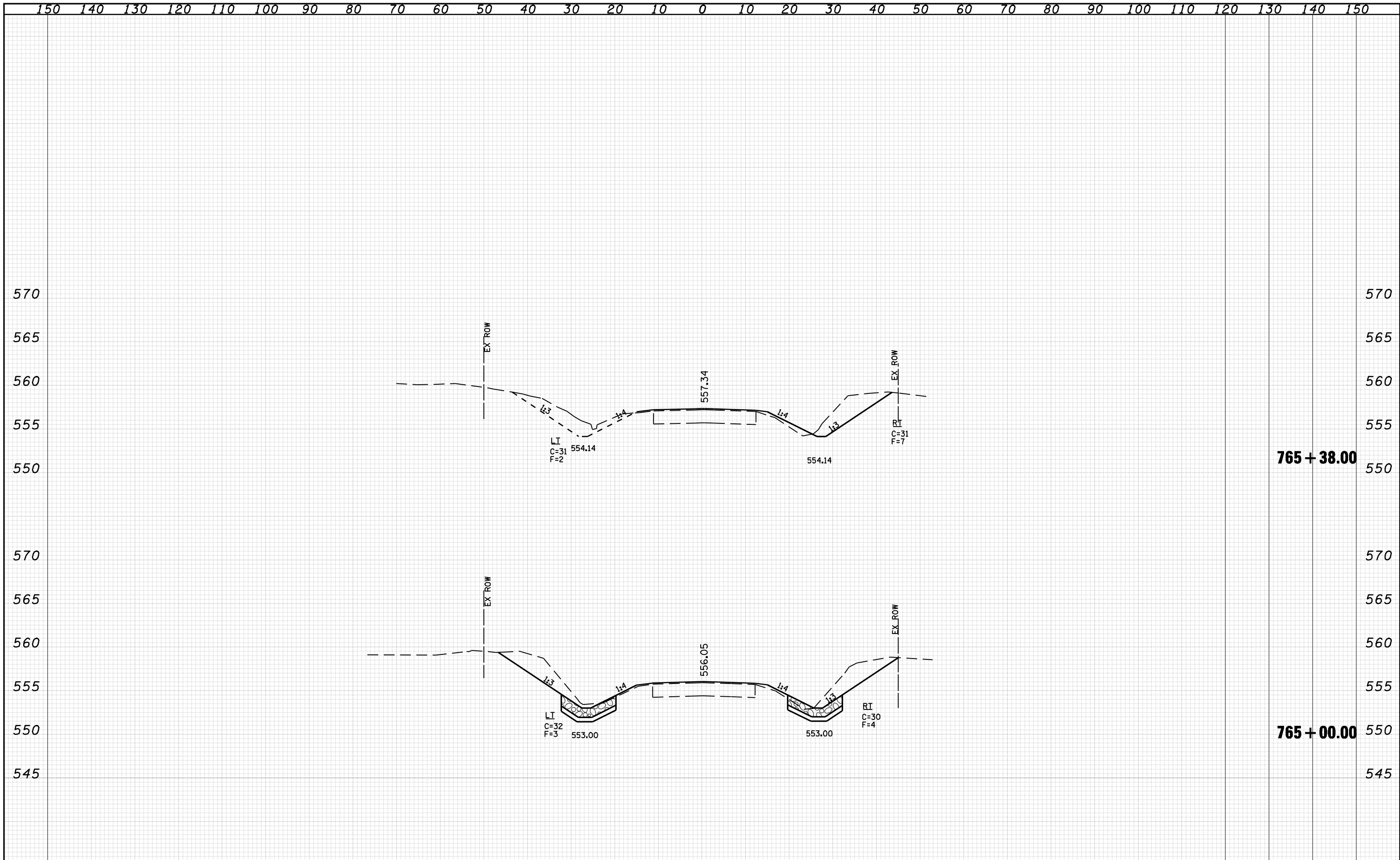
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.															
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CONTRACT NO. 72802																			
PLOT DATE = Apr-06-2010 01:22:13PM				ILLINOIS FED. AID PROJECT															

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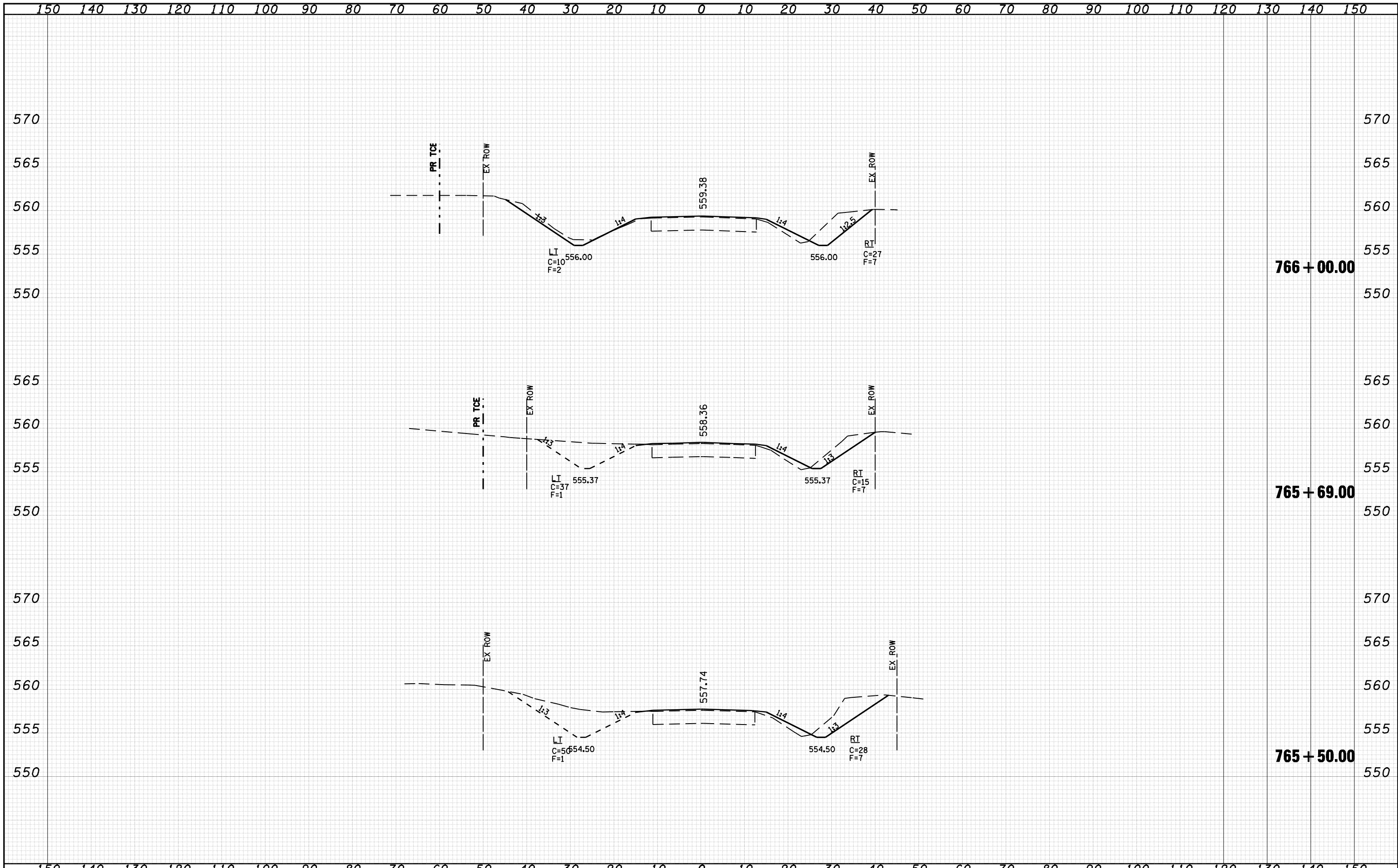
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