

06-14-2019 LETTING ITEM 238

INDEX OF SHEETS

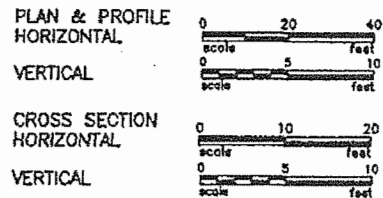
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- 701001-02 OFF ROAD OPERATIONS, 2 LINE 2 WAY MORE THAN 15 FEET AWAY
- 701006-05 OFF ROAD OPERATIONS, 2 LINE 2 WAY DAY ONLY
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- 630001-12 STEEL PLATE BEAM GUARDRAIL
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SCALES:

FULL SIZE PLANS ARE 22x34
 HALF SIZE PLANS SHOULD ADJUST FOR SCALE



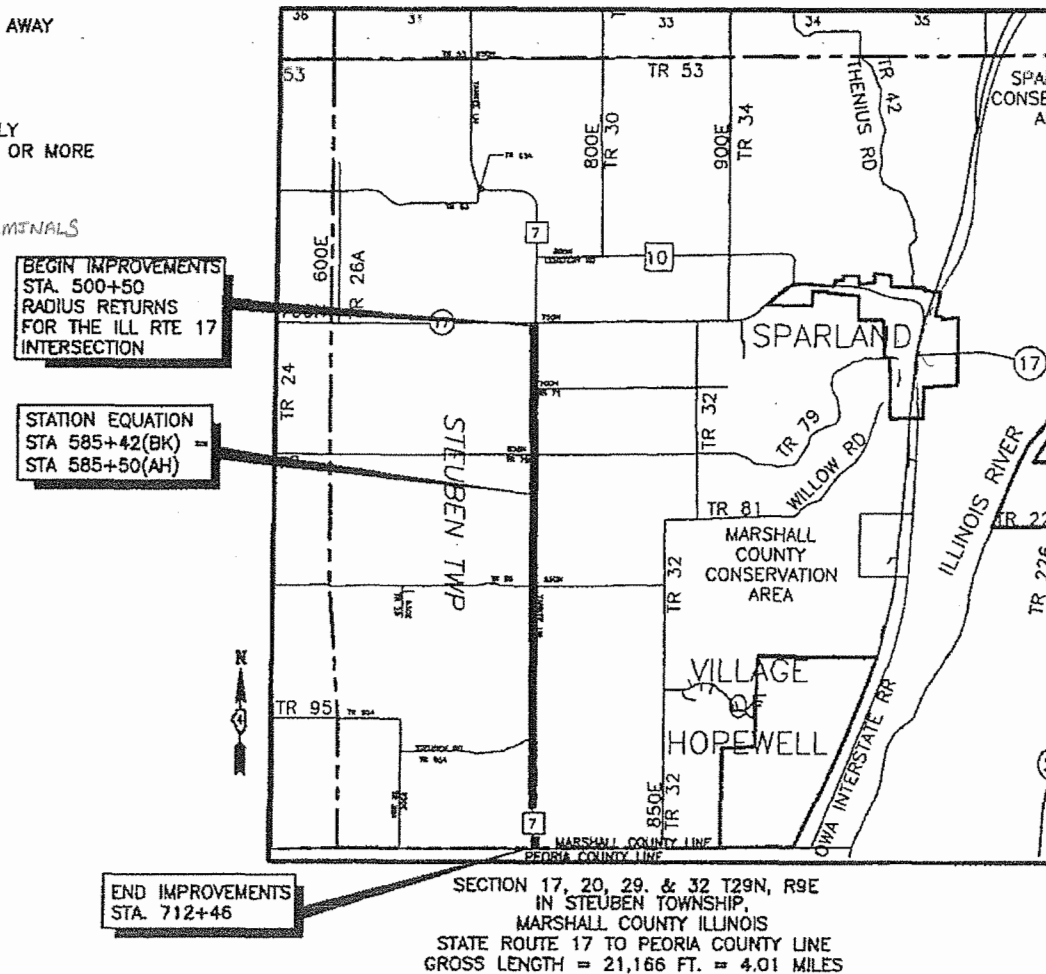
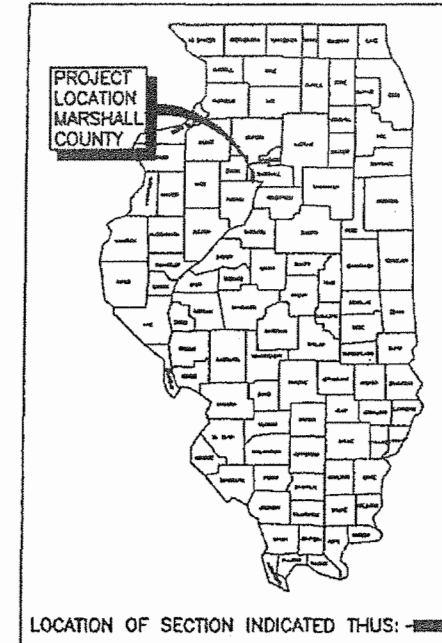
CALL JULIE 811
 WITH THE FOLLOWING:
 COUNTY: MARSHALL
 CITY-TOWNSHIP: STEUBEN
 SEC. & 1/4 SEC. NO.
48 HOURS BEFORE YOU DIG.
 EXCLUDING SAT., SUN., & HOLIDAYS

Enter your own locate request
 online using E-Request or
 simply call 8-1-1 or 1-800-892-0123.
 Call center agents are available 24/7.

CATALOG NO: 033484-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
YANKEE LANE CH 7, FAS RTE. 1371
RESURFACING AND CULVERT EXTENSIONS
 SECTION 06-00089-00-RS
 PROJECT: QLHV (207)
 C-94-041-07
 MARSHALL COUNTY, ILLINOIS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	1
FED. ROAD DIST. NO.	ILLINGS	CONTRACT NO.	89452	



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

APPROVED 2-25, 2019
Patrick Sloan
 MARSHALL COUNTY ENGINEER

PASSED 02-26, 2019
James Schumde
 DISTRICT FOUR ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON 2-26, 2019
 LIMITED REVIEW
Kenneth A. Barnett
 REGION THREE ENGINEER

Patrick Sloan 2-22-2019
 PATRICK SLOAN, PE DATE
 COUNTY ENGINEER MARSHALL COUNTY IL.
 LICENSED PROFESSIONAL ENGINEER
 ILLINOIS NO. 43444 EXPIRES 11-30-19

James Schumde 2-22-2019
 JAMES F. SCHUMUDE DATE
 LICENSED STRUCTURAL ENGINEER
 ILLINOIS NO. 4422 EXPIRES 11-30-20



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES:

THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2016 AND THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2018 SHALL GOVERN THE CONSTRUCTION OF THE PROPOSED WORK EXCEPT AS MODIFIED BY THE DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES ON SITE PRIOR TO ANY CONSTRUCTION AND WILL BE HELD RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THEIR FACILITIES. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS OF UTILITIES. THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 1-800-892-0123 FOR UTILITY LOCATIONS.

THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRS TO ANY UTILITY LINE AND EXISTING IMPROVEMENTS TO REMAIN THAT ARE DAMAGES AS A RESULT OF THE WORK.

ALL EXISTING SURROUNDING AREAS AND PROPERTIES SHALL BE PROTECTED FROM DAMAGE AND LEFT UNHARMED BY THE OPERATION OF THE CONTRACTOR. ANY OF THE SURROUNDING PROPERTY DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO AN EQUAL OR BETTER CONDITION THAN WHAT EXISTED PRIOR TO CONSTRUCTION AT THE CONTRACTOR'S EXPENSE.

ADJUSTMENTS OF PROPOSED GRADES TO MATCH EXISTING ENTRANCES OR OTHER FIELD CONDITIONS MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCY IMMEDIATELY.

THE SUMMARY OF QUANTITIES HAS BEEN PROVIDED FOR THE CONTRACTOR'S REFERENCE. CONTRACTOR IS ALERTED TO THE FACT THAT THESE NUMBERS ARE ESTIMATES AND IT IS RECOMMENDED THAT THE CONTRACTOR VERIFY QUANTITIES PRIOR TO ORDERING MATERIALS.

THE OWNER RESERVES THE RIGHT TO REDUCE ANY QUANTITY OR DELETE PAY ITEMS FROM THIS CONTRACT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

EXCESS MATERIAL, IF NOT USED FOR OTHER ON-SITE PURPOSES, SHALL BE COMPLETELY REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF OFF-SITE BY THE CONTRACTOR.

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.08 OF THE I.D.O.T. STANDARD SPECIFICATIONS, UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH PROPERTY OWNER AND A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

EXISTING ROAD SIGNS THAT INTERFERE WITH THE CONSTRUCTION WILL BE RELOCATED AS DIRECTED BY THE ENGINEER OR OWNER, AFTER CONSTRUCTION IS COMPLETE, THE CONTRACTOR SHALL REPLACE THE SIGNS AS DIRECTED, SIGN REMOVAL, STORAGE AND RELOCATION'S SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND WILL NOT BE PAID FOR SEPARATELY.

THE WORK AREA SHALL BE POSITIVELY DRAINED DURING CONSTRUCTION, FINAL GRADES SHALL BE PROTECTED AGAINST DAMAGE FROM EROSION, SEDIMENTATION, AND TRAFFIC.

CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A MANNER THAT EROSION AND WATER POLLUTION WILL BE MINIMIZED.

EROSION CONTROL IS A REQUIREMENT OF THIS PROJECT, ANY FINES OR PENALTIES LEVIED AGAINST THIS PROJECT FOR NONCOMPLIANCE WILL BE BORNE SOLELY BY THE CONTRACTOR.

PERIMETER EROSION BARRIER, TEMPORARY DITCH CHECKS, AND OTHER EROSION CONTROL ITEMS SHALL BE INSPECTED BY THE CONTRACTOR AFTER EACH RAIN EVENT AND REPAIRS SHALL BE MADE BY THE CONTRACTOR AS NEEDED.

ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUND, ETC.) AND/OR WASTE AREAS, THE CONTRACTORS SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS WILL NEED TO BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (CULTURAL AND NATURAL RESOURCES REVIEW OF BORROW AREAS)
- BDE FORM 2290 (WASTE/USE AREA REVIEW)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW AREA ENTRY AGREEMENT FORM-D4 P10101

PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED WASTE SITE ENVIRONMENTAL CLEARANCES AND SIX WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

COMMITMENTS

TREES LARGER THAN 3" DIAMETER, AT BREAST HEIGHT, SHALL NOT BE CLEARED BETWEEN APRIL 1ST AND SEPTEMBER 30TH. THE MARSHALL COUNTY HIGHWAY DEPARTMENT WILL LEVEL TREES MARKED FOR REMOVAL PRIOR TO APRIL 1ST, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING THE STUMPS TO BE PAID FOR AS "STUMP REMOVAL ONLY". MARSHALL COUNTY WILL FOLLOW IDOT POLICY REGARDING PRESERVATION AND REPLACEMENT OF TREES (EITHER EIGHT CONTAINER TREES OR 30 SEEDLING PLANTED THROUGHOUT THE COUNTY.)

HMA MIXTURE REQUIREMENTS

LOCATION(S):	PROJECT # RS1371(102)	
USE(S):	SURFACE & INCIDENTAL	LEVELING BINDER
PG:	64-22	64-22
DESIGN AIR VOIDS:	4.0% @ N=50	4.0% @ N=50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5	IL 9.5
FRICTION AGGREGATE:	N.A.	N.A.
MIXTURE WEIGHT:	112 LBS/IN/SQ YD	112 LBS/IN/SQ YD
QUALITY MANAGEMENT PROGRAM:	QCQA	QCQA
SUBLOT SIZE:	N.A.	N.A.

APPLICATION RATES:

- NUTRIENTS 90 LB/ACRE
- POROUS GRANULAR EMBANKMENT 2.0 TONS/CU. YD.
- EROSION CONTROL AGGREGATE 1.5 TONS/CU. YD.
- RIP RR4 1.5 TONS/ CU. YD. AT 16" THICK
- RIP RR3 1.5 TONS/ CU. YD. AT 8" THICK
- PRIME (RESIDUAL) 0.25 LB/SF
- TACK (RESIDUAL) 0.08 LB/SF

ITEM PAY CODE	ITEM	UNIT	TOTAL QUANTITY	SPECIAL PROVISION
20200100	EARTH EXCAVATION	CU YD	2954	
20400800	FURNISHED EXCAVATION	CU YD	199	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	153	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	161	
25000300	SEEDING, CLASS 3	ACRE	1.12	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	101	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	101	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	101	
25100115	MULCH METHOD 2	ACRE	1.12	
28000305	TEMPORARY DITCH CHECKS	FOOT	320	
28000400	PERIMETER EROSION BARRIER	FOOT	2668	
28100125	STONE RIPRAP, CLASS B3	SQ YD	173	*
28100207	STONE RIPRAP, CLASS A4	TON	58	*
28200200	FILTER FABRIC	SQ YD	89	
35101800	AGGREGATE BASE COURSE, TYPE B, 6"	SQ YD	3411	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	8335	
40600295	POLYMERIZED BITUMINOUS MATERIAL (TACK COAT)	POUND	76803	
40600627	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50	TON	4873	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	98	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	4420	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	91	
48101500	AGGREGATE SHOULDERS, TYPE B, 6"	SQ YD	1256	
48102100	AGGREGATE WEDGE SHOULDERS, TYPE B	TON	2124	
48203009	HOT-MIX ASPHALT SHOULDERS, 3"	SQ YD	3032	
50102400	CONCRETE REMOVAL	CU YD	11.7	
50200100	STRUCTURE EXCAVATION	CU YD	239	
50300225	CONCRETE STRUCTURES	CU YD	7.3	
50800105	REINFORCEMENT BARS	POUND	872	
54002020	EXPANSION BOLTS 3/4 INCH	EACH	36	
54010403	PRECAST CONCRETE BOX CULVERT 4X3	FOOT	60	*
54010404	PRECAST CONCRETE BOX CULVERT 4X4	FOOT	18	*
54010606	PRECAST CONCRETE BOX CULVERT 6X6	FOOT	26	*
54205059	PIPE CULVERT, SPECIAL 24"	FOOT	58	
54260315	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION	FOOT	10.5	*
60100935	PIPE DRAIN, 10"	FOOT	20	*
60218300	MANHOLE, TYPE A, 4' DIA. TYPE 1 FRAME OPEN LID	EACH	1	
60238800	INLETS, TYPE A	EACH	1	
Δ 63000001	SPBGR TYA 6FT POST	FOOT	1000	
Δ 63100167	TR BAR TRM T1 SPL TAN	EACH	8	
63200310	GUARDRAIL REMOVAL	FOOT	1917	
67100100	MOBILIZATION	L SUM	1	
70300220	TEMPORARY PAVEMENT MARKING-LINE, 4"	FOOT	2120	
Δ 78001110	PAINT PAVEMENT MARKING-LINE 4"	FOOT	61600	
X2010400	STUMP REMOVAL ONLY	UNIT	332	
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	*
Z0012755	STRUCTURAL REPAIR OF CONCRETE (GREATER THAN 5")	SQ FT	12	*
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	
Z0026408	TEMPORARY SHEET PILING (SPECIAL)	SQ FT	988	*
Z0034105	MATERIAL TRANSFER DEVICE	TON	9224	*
Z0054500	ROCK FILL	TON	158	*

Δ SPECIALTY ITEMS

DESIGNED - PGS	EXAMINED	DATE
CHECKED - PGS/JFS	ACTING ENGINEER OF BRIDGE DESIGN	REVISED
DRAWN - JLP	PASSED	REVISED
CHECKED - PGS/JFS	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND SUMMARY OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	2
FED. ROAD DIST. NO. -		ILLINOIS	CONTRACT NO. 89462	

EARTH WORK	20200100	EMBANKMENT	20400800
	EARTH EXCAVATION		FURNISHED EXCAVATION
	CU YD	CU YD	CU YD
STA 513+85 TO STA 514+40	130	195	107
STA 638+20 TO STA 640+60	434	694	
STA 682+90 TO STA 685+00	345	583	
STA 703+00 TO STA 711+22	2045	518	
TOTALS	2954	1990	

25000300 SEEDING, CLASS 3

STA 513+85 TO STA 515+70	0.11 ACRES
STA 638+20 TO STA 640+60	0.22 ACRES
STA 682+90 TO STA 685+00	0.13 ACRES
STA 703+00 TO STA 711+12	0.66 ACRES
TOTAL	1.12 ACRES

25000400 NITROGEN FERTILIZER NUTRIENT

STA 513+85 TO STA 515+70	10 POUNDS
STA 638+20 TO STA 640+60	20 POUNDS
STA 682+90 TO STA 685+00	12 POUNDS
STA 703+00 TO STA 711+12	59 POUNDS
TOTAL	101 POUNDS

25000500 PHOSPHORUS FERTILIZER NUTRIENT

STA 513+85 TO STA 515+70	10 POUNDS
STA 638+20 TO STA 640+60	20 POUNDS
STA 682+90 TO STA 685+00	12 POUNDS
STA 703+00 TO STA 711+12	59 POUNDS
TOTAL	101 POUNDS

25000600 POTASSIUM FERTILIZER NUTRIENT

STA 513+85 TO STA 515+70	10 POUNDS
STA 638+20 TO STA 640+60	20 POUNDS
STA 682+90 TO STA 685+00	12 POUNDS
STA 703+00 TO STA 711+12	59 POUNDS
TOTAL	101 POUNDS

25100115 MULCH METHOD 2

STA 513+85 TO STA 515+70	0.11 ACRES
STA 638+20 TO STA 640+60	0.22 ACRES
STA 682+90 TO STA 685+00	0.13 ACRES
STA 703+00 TO STA 711+12	0.66 ACRES
TOTAL	1.12 ACRES

40600275 BITUMINOUS MATERIALS (PRIME COAT)

LOCATION	SQ YD	POUND
SHLDR QUANTITIES TBL (SHT 4)	3032	6822
ENTRANCE TBL (SHT 19)	622	1400
MAILBOX TBL (SHT 19)	50	113
TOTALS	3704	8335

40600982 HMA SURFACE REMOVAL

MILLING	SQ YD
STA 500+50 TO STA 500+70	49
STA 712+26 TO STA 712+46	49
TOTALS	98

PAVING QUANTITIES
40600627 LEVELING BINDER (MACHINE METHOD) IL-9.5 FG N50 *

LOCATION	LENGTH FOOT	WIDTH	SQ YD	TON
STA 500+50 TO STA 501+10	60			24
STA 501+10 TO STA 552+94	5184	22.375	12888	1191
STA 552+94 TO STA 585+42	3248	22.375	8075	746
STA 585+50 TO STA 605+78	2028	22.375	5042	466
STA 605+78 TO STA 659+28	5350	22.375	13301	1229
STA 659+28 TO STA 666+98	770	22.375	1914	177
STA 666+98 TO STA 711+86	4488	22.375	11158	1031
STA 711+86 TO STA 712+46	60		24	2
SUBTOTAL	21188			4844

ENTRANCE TBL (SHT 19)	25
MAILBOX TURNOUT TBL (SHT 19)	4
TOTALS	4873

* INCLUDES 10% ADDITIONAL LEVELING BINDER TO ACHIEVE PROFILE

PAVING QUANTITIES
40603110 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50

LOCATION	LENGTH FOOT	WIDTH	SQ YD	TON
STA 500+50 TO STA 501+10	60		147	15
STA 501+10 TO STA 552+94	5184	22.125	12744	1070
STA 552+94 TO STA 585+42	3248	22.125	7985	671
STA 585+50 TO STA 605+78	2028	22.125	4986	419
STA 605+78 TO STA 659+28	5350	22.125	13152	1105
STA 659+28 TO STA 666+98	770	22.125	1893	159
STA 666+98 TO STA 711+86	4488	22.125	11033	927
STA 711+86 TO STA 712+46	60		147	15
SUBTOTAL	21168			4381

ENTRANCE TBL (SHT 19)	35
MAILBOX TURNOUT TBL (SHT 19)	4
TOTALS	4420

PAVING QUANTITIES
40600295 POLYMERIZED BITUMINOUS MATERIAL (TACK COAT)

LOCATION	LENGTH FOOT	SQ YD	POUND
STA 500+50 TO STA 501+10	60	171	123
STA 501+10 TO STA 552+94	5184	25632	18455
STA 552+94 TO STA 585+42	3248	16060	11563
STA 585+50 TO STA 605+78	2028	10027	7219
STA 605+78 TO STA 659+28	5350	26453	19046
STA 659+28 TO STA 666+98	770	3807	2741
STA 666+98 TO STA 711+86	4488	22191	15978
STA 711+86 TO STA 712+46	60	171	123
SUBTOTAL	21168		75248
PAVING, SIDEROAD TBL (SHT 4)		815	587
ENTRANCE TBL (SHT 19)		1244	896
MAILBOX TURNOUT TBL (SHT 19)		100	72
TOTALS			76803

PAVING QUANTITIES
Z003415 MATERIAL TRANSFER DEVICE

LOCATION	LENGTH FOOT	TON
STA 500+50 TO STA 501+10	60	17
STA 501+10 TO STA 552+94	5184	2261
STA 552+94 TO STA 585+42	3248	1417
STA 585+50 TO STA 605+78	2028	885
STA 605+78 TO STA 659+28	5350	2334
STA 659+28 TO STA 666+98	770	336
STA 666+98 TO STA 711+86	4488	1958
STA 711+86 TO STA 712+46	60	17
TOTALS	21168	9225

PAVEMENT MARKING	780001110					70300220
	DISTANCE	PAINT PAVEMENT MARKING--LINE 4"				TEMPORARY PAVEMENT MARKING--LINE 4"
		SKIP DASH	SOLID	GAPS	EDGE OF ROAD	YELLOW 4' PER 40'
LOCATION	FOOT	FOOT	FOOT	FOOT	FOOT	
STA 500+50 TO STA 526+65	2615	650	1700	25	5200	262
STA 526+65 TO STA 552+94	2629	650	1700	50	5200	263
STA 552+94 TO STA 585+42	3248	810	2200	25	6470	325
STA 585+50 TO STA 605+78	2028	500	1300	25	4030	203
STA 605+78 TO STA 666+98	6120	1530	4200	75	12160	612
STA 666+98 TO STA 712+46	4548	1130	3100	25	9070	455
SUBTOTALS		5270	14200	TOTAL YELLOW	42130	
TOTAL WHITE		19470				
PROJECT TOTAL				61600		2120

63200310 GUARDRAIL REMOVAL

STA. 513+34 RT. TO STA. 515+12 RT.	128 FOOT
STA. 514+27 LT. TO STA. 515+55 LT.	128 FOOT
STA. 576+05 RT. TO STA. 579+82 RT.	377 FOOT
STA. 577+25 LT. TO STA. 580+77 LT.	352 FOOT
STA. 676+66 RT. TO STA. 680+68 RT.	402 FOOT
STA. 677+67 LT. TO STA. 680+45 LT.	278 FOOT
STA. 681+40 RT. TO STA. 683+92 RT.	252 FOOT
TOTAL	1917 FOOT

	63100167 TRF TRM T1 SPL TAN	63000001 SPBGR TYA 6FT POSTS	DISTANCE Q TO FACE
STA. 572+58 RT. TO STA. 573+08 RT.	1 EACH		17 FOOT
STA. 573+08 RT. TO STA. 575+83 RT.		275 FOOT	
STA. 575+83 RT. TO STA. 576+33 RT.	1 EACH		
STA. 573+78 LT. TO STA. 574+28 LT.	1 EACH		17 FOOT
STA. 574+28 LT. TO STA. 576+78 LT.		250 FOOT	
STA. 576+78 LT. TO STA. 577+28 LT.	1 EACH		
STA. 676+66 RT. TO STA. 677+16 RT.	1 EACH		15 FOOT
STA. 677+16 RT. TO STA. 680+16 RT.		300 FOOT	
STA. 680+16 RT. TO STA. 680+66 RT.	1 EACH		
STA. 677+70 LT. TO STA. 678+20 LT.	1 EACH		15 FOOT
STA. 678+20 LT. TO STA. 679+95 LT.		175 FOOT	
STA. 679+95 LT. TO STA. 680+45 LT.	1 EACH		
TOTAL	8	1000 FOOT	

28100125 STONE RIPRAP, CLASS B3

	L FOOT	A FOOT	B FOOT	C FOOT	D	E	AREA SQ YD
STA 639+10 R42' TO STA 639+40 R58'	34	2	4	6	2	3	82
STA 639+15 L32' TO STA 639+29 L30'	16	2	8	4	FLAT	2	25
STA 683+50 R35' TO STA 683+93 R50'	46	2	3	6		2	66
TOTAL							173

DESIGNED -- PGS
CHECKED -- PGS
DRAWN -- JLP
CHECKED -- PGS

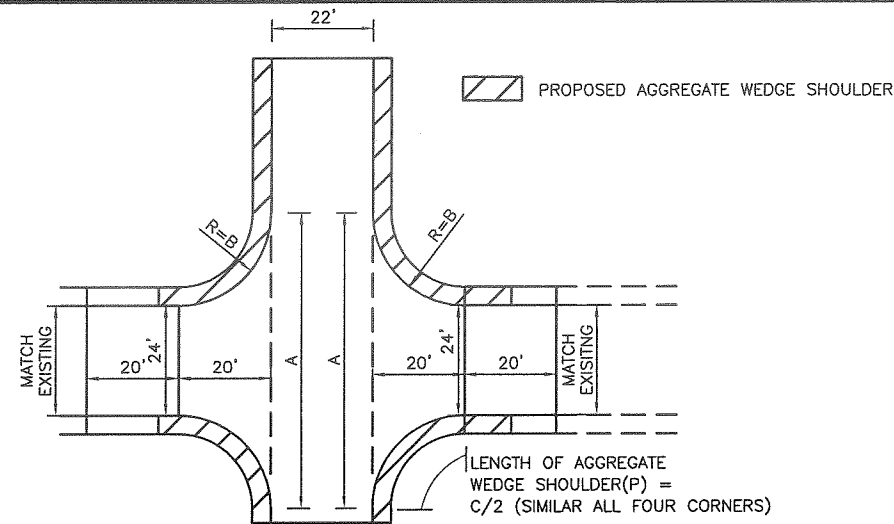
EXAMINED
PASSED
ACTING ENGINEER OF BRIDGE DESIGN
ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE
REVISED
REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	3
FED. ROAD DIST. NO. _	ILLINOIS	CONTRACT NO. 89462		



PAVING, SIDEROAD	MILE MARKER	WIDTH	A	B	AREA	40800050 INCIDENTAL HMA
		FOOT	FOOT	FOOT	SQ YD	TON
IL RTE 17	STA 499+91	0.00				
LEFT						
TR17 700N	STA 526+65 LT	0.51	24	74	25	136
TR 79 650N GIMLET RD	STA 552+94 LT	1.00	24	64	20	126
TR 85 550N	STA 605+78 LT	2.01	24	64	20	126
RIGHT						
TR 79 650N GIMLET RD	STA 552+94 RT	1.00	24	104	40	183
TR 85 550N	STA 605+78 RT	2.01	24	56	16	119
TR 95A STEUBEN	STA 666+98 RT	3.16	24	64	20	126
	INTERSECTION TOTAL					815
						91

NOTE: ASPHALT THICKNESS SHOWN IN SIDEROAD TAPER DETAILS

EROSION CONTROL--PERIMETER	28000400 PERIMETER EROSION CONTROL
LOCATION	FOOT
PLAN & PROFILE SHEET 8	
RIGHT STA 514+00 TO STA 515+40	142
LEFT STA 514+00 TO STA 515+40	142
PLAN & PROFILE SHEET 9	
RIGHT STA 638+20 TO STA 640+40	276
LEFT STA 638+20 TO STA 639+25	121
PLAN & PROFILE SHEET 10	
RIGHT STA 682+90 TO STA 684+80	215
LEFT STA 682+90 TO STA 683+56	66
LEFT STA 684+12 TO STA 684+63	51
PLAN & PROFILE SHEET 12	
RIGHT STA 703+00 TO STA 708+50	560
LEFT STA 703+00 TO STA 708+50	550
PLAN & PROFILE SHEET 13	
RIGHT STA 708+50 TO STA 711+20	270
LEFT STA 708+50 TO STA 711+20	275
TOTAL	2668

STORM SEWER	5405059	60100935	60218300	6023880
LOCATION	PIPE CULVERT, SPECIAL 24"	PIPE DRAIN, 10"	MANHOLE, TYPE A, 4' DIA TYPE 1 FRAME OPEN LID	INLETS, TYPE A
	FOOT	FOOT	EACH	EACH
P&P STRUCTURE 3480 (SHT 8) STA 514+69, L43				1
P&P STRUCTURE 3483 (SHT 9) STA 639+12, L26 TO STA 639+10, L45		20		
P&P STRUCTURE 3484 (SHT 10) STA 684+13, R50 TO STA 684+60 R23	58		1	
P&P STRUCTURE 3484 (SHT 10) STA 684+62 R23				
TOTAL	58	20	1	1

RIGHT SHOULDER		48102100	48203009	35100500	48101500	
STATION	FEET	WEDGE SHLDRS, TY B	HMA SHLDRS, 3"	AGG BASE CSE 6"	AGG SHLDRS, TY B 6"	
		TON	SQ YDS	SQ YDS	FOOT	SQ YD
RIGHT	TN/FT =	0.064			WIDTH	AREA
500 + 50	50	3				
501 + 00	1300	83				
514 + 00	125	STR 3480			6	83
515 + 25	880					
524 + 05	40	ENTR GRVL				
524 + 45	383					
528 + 28	44	ENTR GRVL				
528 + 72	58					
529 + 30	22	ENTR BIT				
529 + 52	1024					
539 + 76	30	FE GRVL				
540 + 06	93					
540 + 99	36	ENTR GRVL				
541 + 35	1159		74			
552 + 94	1284	650N	82			
565 + 78	26	FE DIRT				
566 + 04	117					
567 + 21	44	ENTR GRVL				
567 + 65	1203			535	602	
579 + 68	574					
585 + 42	8	STA EQ				
585 + 50	82		5			
586 + 32	46	ENTR GRVL	3			
586 + 78	123		8			
588 + 01	26	ENTR GRVL				
588 + 27	1751		112			
605 + 78	1798	550N	115			
623 + 76	24	FE GRVL				
624 + 00	1440					
638 + 40	200	STR 3483	92		6	133
640 + 40	261		17			
643 + 01	807			359	404	
651 + 08	38	ENTR GRVL				
651 + 46	1552		99			
666 + 98	851	STEUBEN	54			
675 + 49	34	ENTR GRVL				
675 + 83	717			319	359	
683 + 00	163	STR 3484	72	82	2	36
684 + 63	22	ENTR BIT				
684 + 85	15			7	8	
685 + 00	172			76	86	
686 + 72	22	ENTR BIT				
686 + 94	844		54			
695 + 38	40	ENTR GRVL				
695 + 78	55		4			
696 + 33	30	ENTR CONC				
696 + 63	39		2			
697 + 02	30	ENTR CONC				
697 + 32	98		6			
698 + 30	28	ENTR DRT				
698 + 58	164		10			
700 + 22	328		21			
703 + 50	720				4	320
710 + 70	176		11			
712 + 46						
TOTALS		1058	1368	1539		573

LEFT SHOULDER		48102100	48203009	35100800	48101500		
STATION	FEET	AGG WEDGE SHLDRS, TY B	HMA SHLDRS, 3"	AGG BASE CSE B 6"	AGG SHLDRS B 6"		
		TON	SQ YDS	SQ YDS	FOOT	SQ YD	
LEFT	TN/FT =	0.064			WIDTH	AREA	
500 + 50	50	3					
501 + 00	67	4					
501 + 67	60	ENTR GRVL					
502 + 27	205		13				
504 + 32	40	ENTR GRVL					
504 + 72	928		59				
514 + 00	125				6	83	
515 + 25	1140	700N	73				
526 + 65	2629	650N	168				
552 + 94	1587		102				
568 + 81	34	FE GRVL					
569 + 15	151		10				
570 + 66	30	ENTR GRVL					
570 + 96	872			388	436		
579 + 68	444						
584 + 12	14	FE DIRT					
584 + 26	116		7				
585 + 42	8	STA EQ					
585 + 50	2028		901	1014			
605 + 78	2152	550N	138				
627 + 30	12	ENTR DRT					
627 + 42	1108		71				
638 + 50	43		3				
638 + 93	34	ENTR DRT					
639 + 27	73		59				
640 + 00	281		18				
642 + 81	20	ENTR GRVL					
643 + 01	216		14				
645 + 17	74	ENTR GRVL					
645 + 91	294	STR 3483			6	196	
648 + 85	20	ENTR DRT					
649 + 05	255			113	128		
651 + 60	1059		68				
662 + 19	22	FE GRVL					
662 + 41	1328		85				
675 + 69	20	ENTR GRVL					
675 + 89	465			207	233		
680 + 54	20		1				
680 + 74	226		14				
683 + 00	56	STR 3484		25	28	2	12
683 + 56	56	ENTR BIT					
684 + 12	69	STR 3484		31	35	2	15
684 + 81	208		13				
686 + 89	18	ENTR DRT					
687 + 07	165		11				
688 + 72	20	FE DIRT					
688 + 92	290		19				
691 + 82	816		52				
692 + 06	328		21				
700 + 22	670					4	298
710 + 20	42		3			4	19
710 + 62	42	FE GRVL					
711 + 04	142		9				
712 + 46							
TOTALS LEFT		1066	1664	1873		624	
TOTALS RIGHT		1058	1368	1539		573	
ENTRANCE TABLE (SHT 19)						60	
SHOULDER TOTAL		2124	3032	3411		1256	

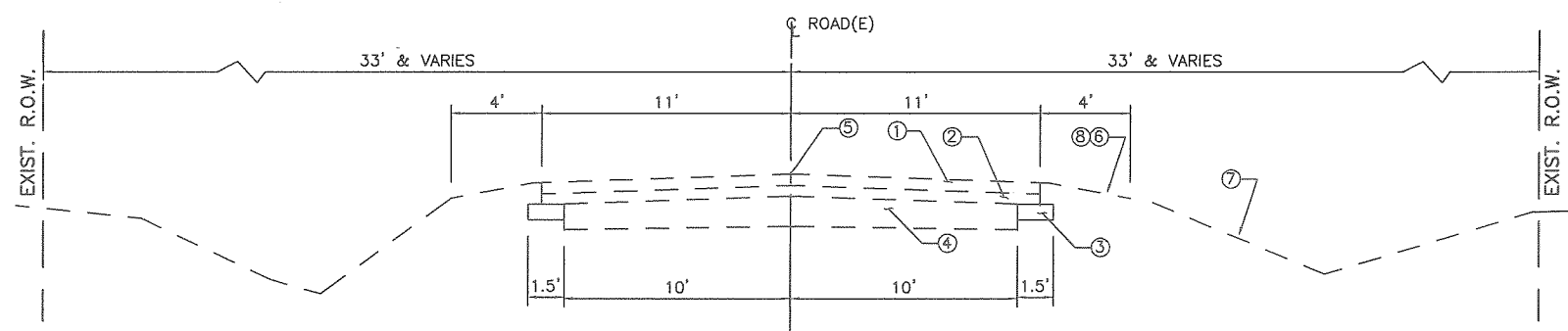
DESIGNED -- PGS	EXAMINED	DATE
CHECKED -- PGS	ACTING ENGINEER OF BRIDGE DESIGN	REVISED
DRAWN -- JLP	PASSED	REVISED
CHECKED -- PGS	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	4
FED. ROAD DIST. NO. _	ILLINOIS	CONTRACT NO. 89462		

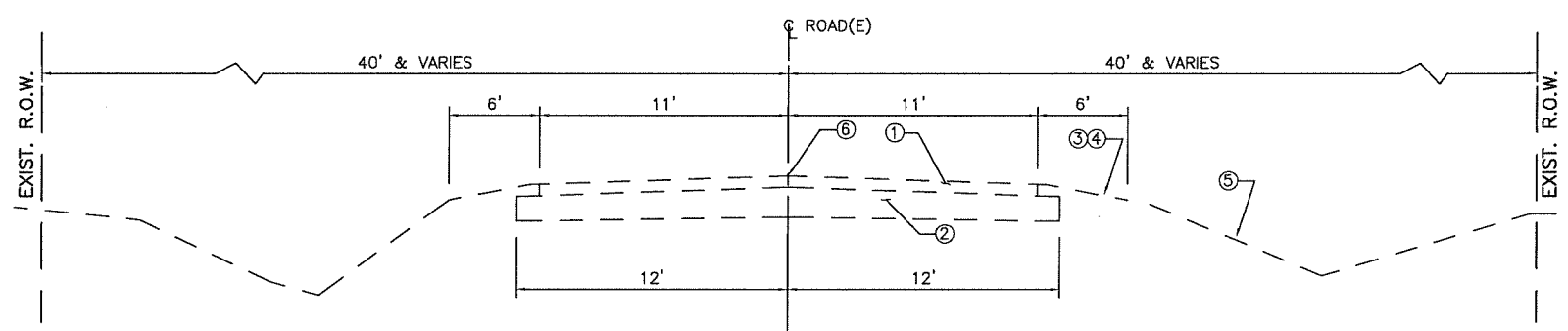
EROSION CONTROL--DITCH CHECKS				28000305
LOCATION	MAX SLOPE	HEIGHT OF DITCH CHECK (CENTER)	MAX SPACING AT MAX SLOPE	TEMPORARY DITCH CHECKS FOOT
PLAN & PROFILE SHEET 8				
RIGHT STA 514+00 TO STA 514+67	2.60%	1	40	
STA 514+35				9.5
RIGHT STA 514+71 TO STA 515+11	3.20%	1	25	
STA 514+80				9.5
LEFT STA 514+00 TO STA 514+67	4.40%	1	23	
STA 514+30				9.5
STA 514+53				9.5
LEFT STA 514+71 TO STA 515+30	6%	1	17	
STA 515+13				9.5
STA 514+96				9.5
STA 514+79				9.5
PLAN & PROFILE SHEET 9				
RIGHT STA 638+75 TO STA 639+10	6%	1	17	
STA 638+90				9.5
STA 639+07				9.5
LEFT STA 638+70 TO STA 639+00	4%	1	25	
STA 638+85				9.5
PLAN & PROFILE SHEET 10				
RIGHT STA 682+90 TO STA 683+50	8%	1	13	
STA 683+02				9.5
STA 683+19				9.5
STA 683+32				9.5
STA 683+45				9.5
PLAN & PROFILE SHEET 12				
RIGHT STA 703+00 TO STA 703+59	6.40%	1	16	
STA 703+25				11
STA 703+42				11
RIGHT STA 703+63 TO STA 708+50	0.40%	1	100	
STA 704+63				11
STA 705+63				11
STA 706+63				11
STA 707+63				11
LEFT STA 703+00 TO STA 703+59	3%	1	33	
STA 703+30				11
LEFT STA 703+78 TO STA 708+50	0.80%	1	100	
STA 704+78				11
STA 705+78				11
STA 706+78				11
STA 707+78				11
RIGHT STA 708+50 TO STA 711+20	0.74%	1	100	
STA 708+63				11
STA 709+63				11
STA 710+63				11
LEFT STA 708+50 TO STA 711+20	1%	1	100	
STA 708+78				11
STA 709+78				11
STA 710+78				11
TOTAL				320



- ① EXISTING BIT. CONC. SURF. CRSE., CLASS 1 3"
- ② EXISTING BIT. MATERIAL, A-3 PLUS SUCCESSIVE SEALS, 2" AND VARIES
- ③ EXISTING 10" GRAVEL WIDENING
- ④ EXISTING 10" GRAVEL BASE
- ⑤ EXISTING 2 3/4" STRAIGHT LINE CROWN IN 11'
- ⑥ MAX SLOPE 1"/FT
- ⑦ 2:1 & VARIES
- ⑧ EARTH SHOULDERS

EXISTING TYPICAL SECTION

STA. 500+50 TO STA. 571+00
STA. 586+00 TO STA. 712+24



- ① EXISTING BIT. CONC. SURF. CRSE., CLASS 1 3"
- ② EXISTING 10" GRAVEL BASE
- ③ MAX SLOPE 1"/FT
- ④ EARTH SHOULDERS
- ⑤ FRONT SLOPE 3:1 (2:1 OVER 10')
BACK SLOPE 3:1 (2:1 OVER 6')
- ⑥ EXISTING 2 3/4" STRAIGHT LINE CROWN IN 11'

EXISTING TYPICAL SECTION

STA. 571+00 TO STA. 585+42(BK)
STA. 585+50(AH) TO STA. 586+00

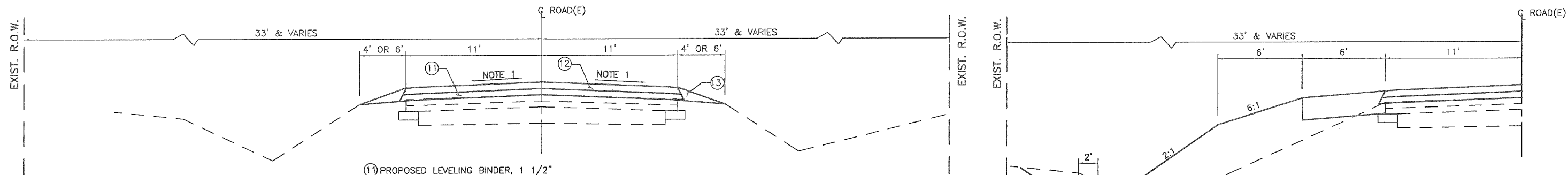
DESIGNED -- PGS	EXAMINED
CHECKED -- PGS	ACTING ENGINEER OF BRIDGE DESIGN
DRAWN -- JLP	PASSED
CHECKED -- PGS	ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE	
REVISED	
REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
EXISTING TYPICAL SECTIONS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	5
FED. ROAD DIST. NO. -	ILLINOIS	CONTRACT NO. 89462		



- ① PROPOSED LEVELING BINDER, 1 1/2"
- ② PROPOSED HMA SURFACE MIX "C" N50, 1 1/2"
- ③ SEE NOTE 2

PROPOSED TYPICAL RESURFACING SECTION

STA. 501+10 TO STA. 585+42(BK)
 STA. 585+50(AH) TO STA. 711+86

PROPOSED TRANSITION

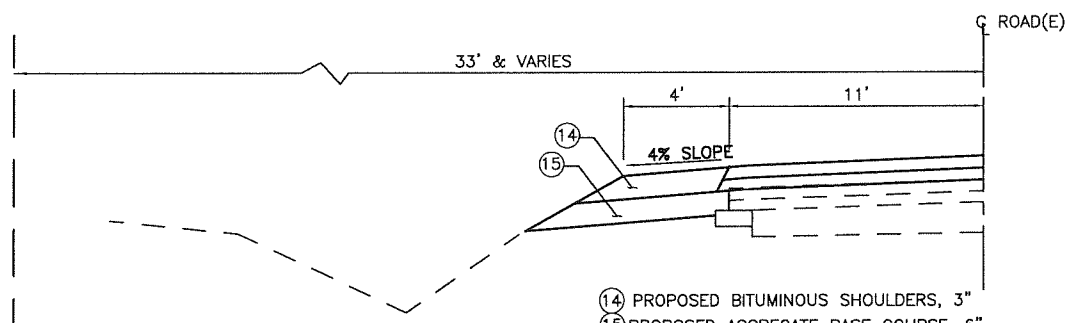
STA. 500+50 TO STA. 501+10
 STA. 711+86 TO STA. 712+46

PROPOSED EMBANKMENT RECONSTRUCTION

LEFT AND RIGHT STA. 514+00 TO STA. 515+25
 LEFT STA. 638+40 TO STA. 639+50
 RIGHT STA. 638+40 TO STA. 640+40
 LEFT STA. 683+00 TO STA. 683+63
 RIGHT STA. 683+00 TO STA. 684+80

PROPOSED TRANSITION

LEFT AND RIGHT STA. 513+85 TO STA. 514+00
 LEFT AND RIGHT STA. 515+25 TO STA. 515+40
 LEFT AND RIGHT STA. 638+20 TO STA. 638+40
 LEFT AND RIGHT STA. 682+90 TO STA. 683+00

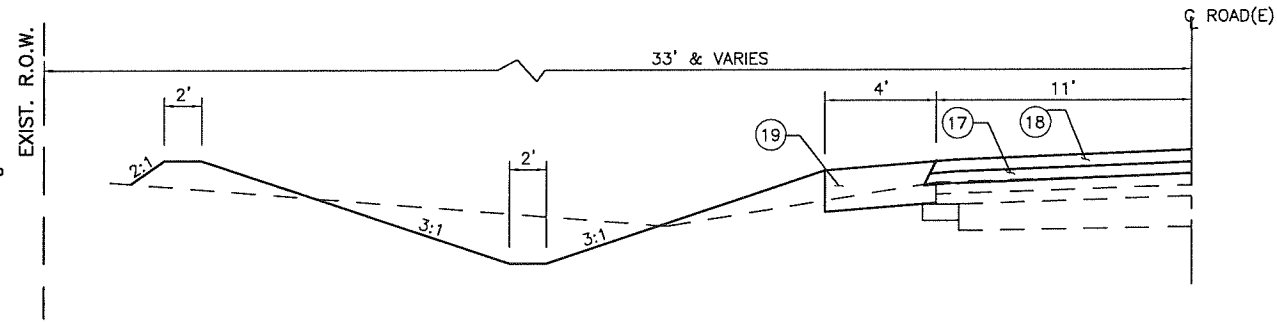


- ⑭ PROPOSED BITUMINOUS SHOULDERS, 3"
- ⑮ PROPOSED AGGREGATE BASE COURSE, 6" INSTALL PRIOR TO ANY ASPHALT PAVING

PROPOSED PAVED SHOULDER

RIGHT STA. 567+65 TO STA. 579+68
 LEFT STA. 570+96 TO STA. 579+68
 LEFT STA. 585+50 TO STA. 605+78
 RIGHT STA. 643+01 TO STA. 651+08
 LEFT STA. 649+05 TO STA. 651+05
 RIGHT STA. 675+83 TO STA. 684+63
 LEFT STA. 675+89 TO STA. 680+54
 RIGHT STA. 684+85 TO STA. 686+72
 LEFT STA. 683+00 TO STA. 683+56
 LEFT STA. 684+12 TO STA. 684+81

CRITERIA FOR RIGHT SIDE BERM BETWEEN STA 703+50 AND STA 710+50
 1. BERM HEIGHT AT STA 703+61 IS SET AT EL 637.8 THE TOP OF BERM (T/B) SHALL TRANSITION TO THE NORTH TO MEET EXISTING GROUND SURFACE AT STA 703+50. TO THE SOUTH FROM STA 703+61, THE TOP OF THE BERM TRANSITION TO EL 637.2 AT STA 703+70.
 2. FROM STA 704+00 TO STA 710+45, THE TOP OF BERM SHALL BE BUILT TO BE FOUR(4') ABOVE THE FLOWLINE OF THE DITCH.



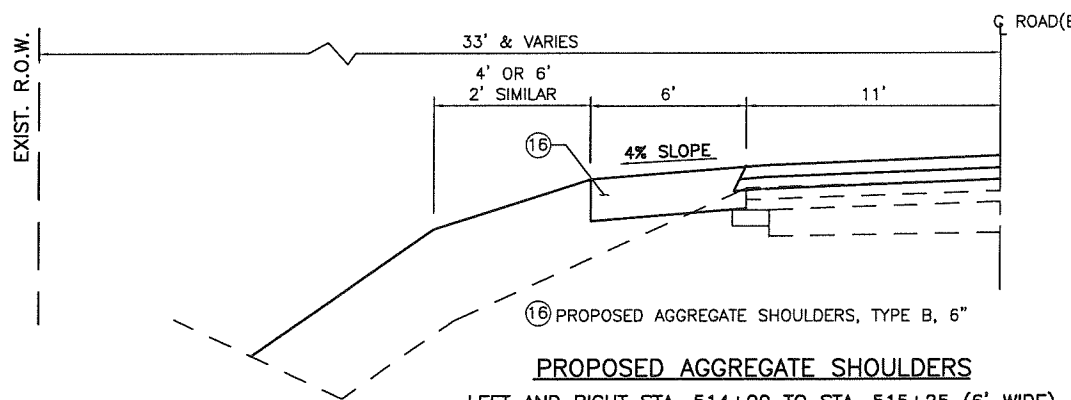
- ⑰ PROPOSED LEVELING BINDER, 1 1/2"
- ⑱ PROPOSED HMA SURFACE MIX "C" N50, 1 1/2"
- ⑲ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6"

PROPOSED DITCH IMPROVEMENTS

LEFT AND RIGHT STA. 703+50 TO STA. 710+70

PROPOSED TRANSITION

LEFT AND RIGHT STA. 703+00 TO STA. 703+50
 LEFT AND RIGHT STA. 710+70 TO STA. 711+20



- ⑳ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6"

PROPOSED AGGREGATE SHOULDERS

LEFT AND RIGHT STA. 514+00 TO STA. 515+25 (6' WIDE)
 LEFT AND RIGHT STA. 638+40 TO STA. 640+40 (6' WIDE)
 RIGHT STA. 683+00 TO STA. 684+63 (2' WIDE)
 LEFT STA. 683+00 TO STA. 683+56 (2' WIDE)
 LEFT STA. 684+12 TO STA. 684+81 (2' WIDE)
 LEFT AND RIGHT STA. 703+50 TO STA. 710+70 (4' WIDE)

PROPOSED TYPICAL SECTION NOTES:

1. MATCH EXISTING PAVEMENT SLOPE ON CROWN SECTIONS BUT SLOPE SHALL NOT EXCEED 2.0%. MATCH EXISTING PAVEMENT SLOPE IN SUPER ELEVATED SECTIONS AND IN THE TRANSITIONS FROM CROWN TO SUPER ELEVATED.
2. AGGREGATE WEDGE SHOULDERS SHALL BE USED FULL LENGTH EXCEPT OTHERWISE INDICATED BY THE PROPOSED PAVED SHOULDER SECTION OR THE PROPOSED AGGREGATE SHOULDER SECTION.

DESIGNED -- PGS	EXAMINED	DATE
CHECKED -- PGS	ACTING ENGINEER OF BRIDGE DESIGN	REVISED
DRAWN -- JLP	PASSED	REVISED
CHECKED -- PGS	ACTING ENGINEER OF BRIDGES AND STRUCTURES	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

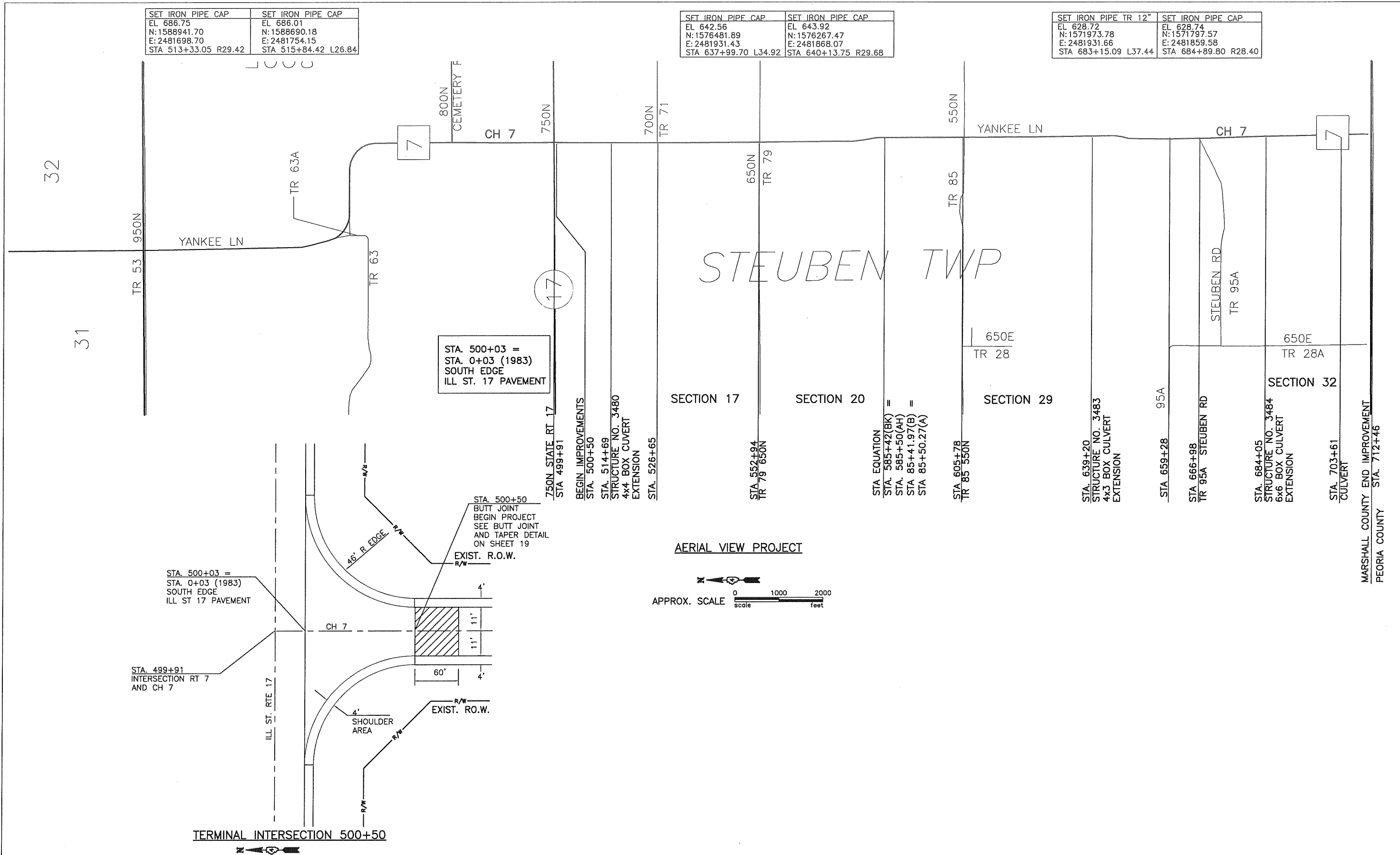
PROPOSED TYPICAL SECTIONS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	6
FED. ROAD DIST. NO. _	ILLINOIS	CONTRACT NO. 89462		

SET IRON PIPE CAP EL 686.75 N:1588941.70 E:2481698.70 STA 513+33.05 R29.42	SET IRON PIPE CAP EL 686.01 N:1588690.18 E:2481754.15 STA 515+84.42 L26.84
--	--

SET IRON PIPE CAP EL 642.56 N:1576481.89 E:2481931.43 STA 637+99.70 L34.92	SET IRON PIPE CAP EL 643.92 N:1576267.47 E:2481868.07 STA 640+13.75 R29.68
--	--

SET IRON PIPE TR 12" EL 628.72 N:1571973.78 E:2481931.66 STA 683+15.09 L37.44	SET IRON PIPE CAP EL 628.74 N:1571973.57 E:2481859.58 STA 684+89.80 R28.40
---	--



STA. 500+03 =
STA. 0+03 (1983)
SOUTH EDGE
ILL ST. 17 PAVEMENT

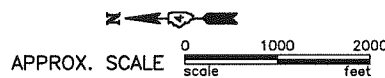
STA. 500+03 =
STA. 0+03 (1983)
SOUTH EDGE
ILL ST 17 PAVEMENT

STA. 499+91
INTERSECTION RT 7
AND CH 7

STA. 500+50
BUTT JOINT
BEGIN PROJECT
SEE BUTT JOINT
AND TAPER DETAIL
ON SHEET 19
EXIST. R.O.W.

TERMINAL INTERSECTION 500+50

AERIAL VIEW PROJECT

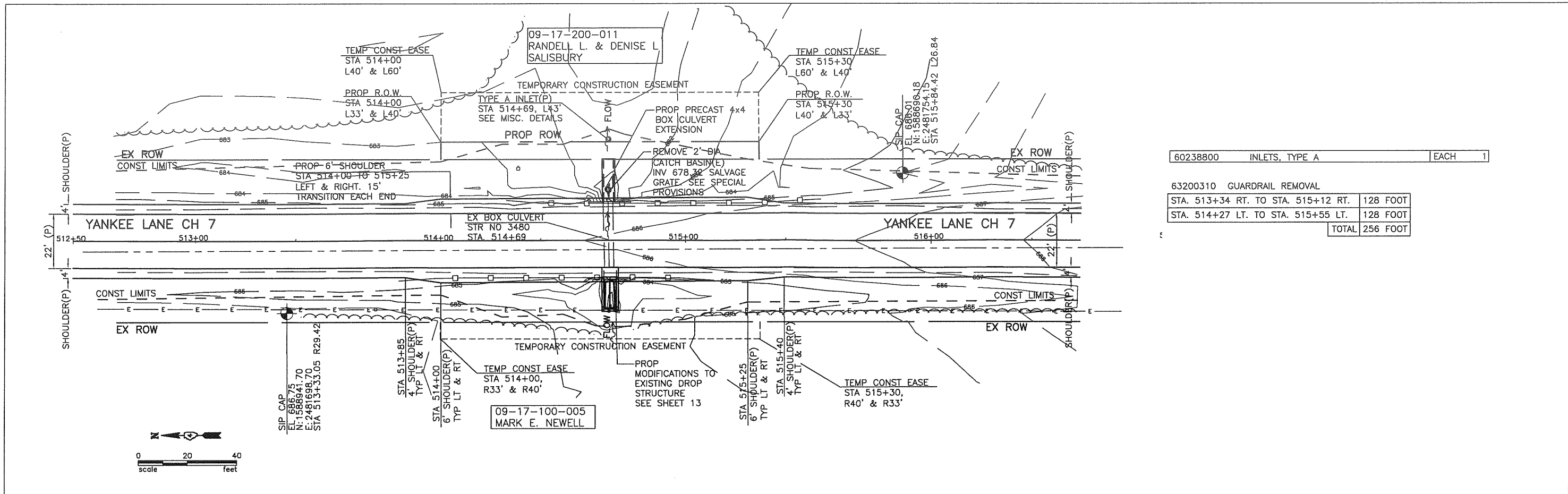


DESIGNED - PGS	EXAMINED	DATE
CHECKED - PGS	ACTING ENGINEER OF BRIDGE DESIGN	
DRAWN - JLP	PASSED	REVISED
CHECKED - PGS	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED

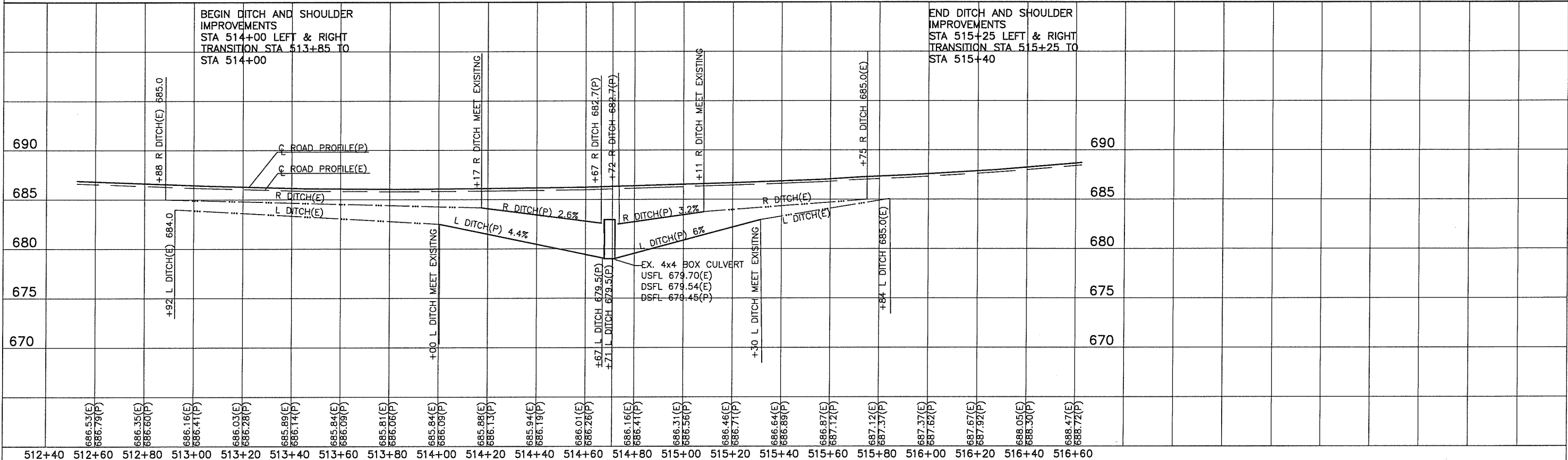
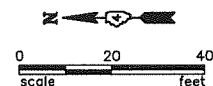
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT OVERVIEW

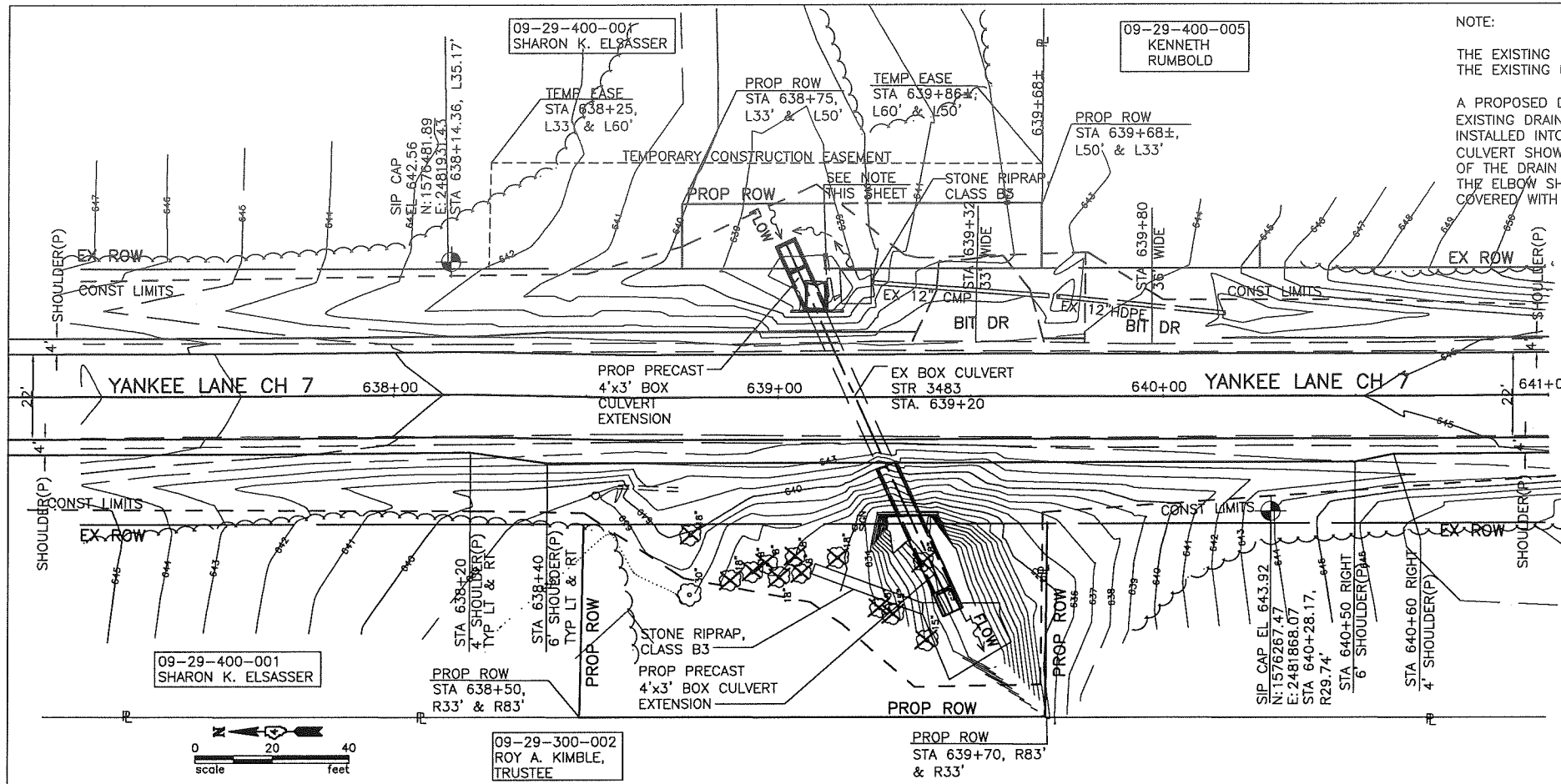
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	7
FED. ROAD DIST. NO. -		ILLINOIS	CONTRACT NO. 89462	



60238800	INLETS, TYPE A	EACH	1
63200310 GUARDRAIL REMOVAL			
STA. 513+34 RT. TO STA. 515+12 RT.	128 FOOT		
STA. 514+27 LT. TO STA. 515+55 LT.	128 FOOT		
TOTAL	256 FOOT		



DESIGNED - PGS	EXAMINED	DATE	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE STA. 512+60 TO STA. 516+60	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - PGS	ACTING ENGINEER OF BRIDGE DESIGN	REVISED			1371	06-00089-00-RS	MARSHALL	31	8
DRAWN - JLP	PASSED	REVISED			FED. ROAD DIST. NO. _	ILLINOIS	CONTRACT NO. 89462		
CHECKED - PGS	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED							



NOTE:
 THE EXISTING 10" DRAIN TILE DISCHARGES INTO THE EXISTING DROP BOX.
 A PROPOSED DRAIN PIPE 10", CONNECTING EXISTING DRAIN TILE TO PROPOSED 10" ELBOW INSTALLED INTO SIDE OF PROPOSED 4x3 BOX CULVERT SHOW ON SHEET 16. A MINIMUM OF 5' OF THE DRAIN TILE ON THE END CLOSEST TO THE ELBOW SHALL BE PERFORATED AND COVERED WITH A GEOFABRIC SOCK.

STUMP REMOVAL (DIA - INCHES)

STA 638+97, R43'	8
STA 639+27, R55'	8
STA 639+06, R46'	8
STA 639+06, R45'	8
STA 639+38, R42'	8
STA 639+29, R56'	15
STA 639+38, R63'	15
SUB TOTAL	70

STUMPS (OVER 15 UNIT DIA)

STA 638+77, R35'	18
STA 638+88, R47'	18
STA 638+93, R45'	18
STA 638+97, R43'	18
STA 639+00, R47'	18
SUB TOTAL	90
TOTAL	160

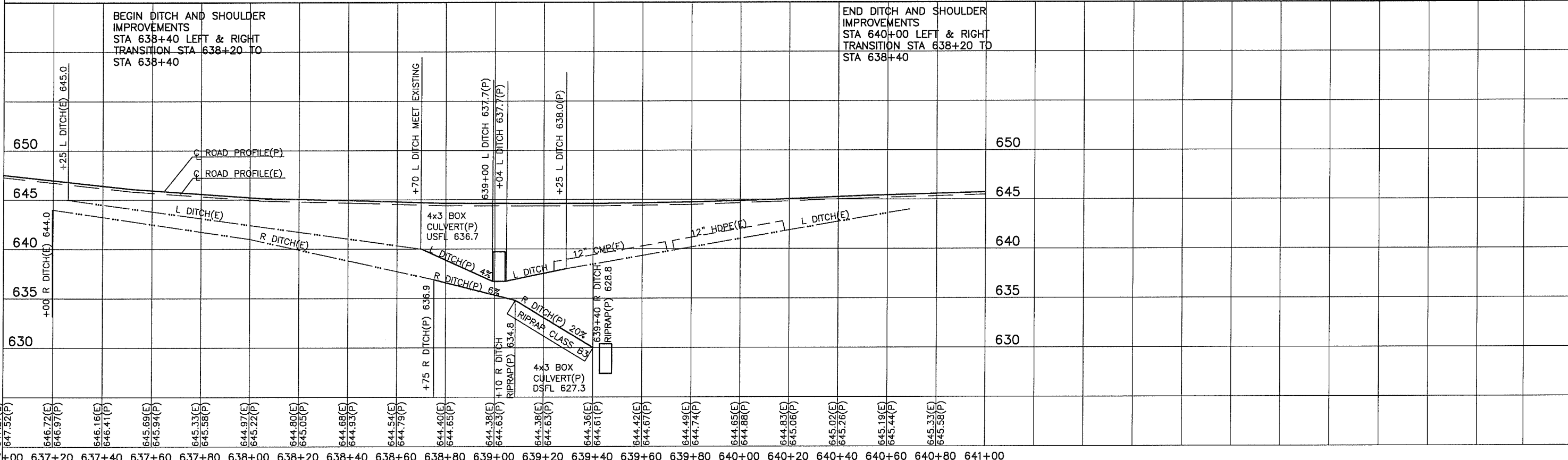
28100125 STONE RIPRAP, CLASS B3	SQ YD	212
60100935 PIPE DRAIN, 10"	FOOT	20
X2010400 STUMP REMOVAL ONLY	UNIT	160

SEE COMMITMENTS ON SHEET 2

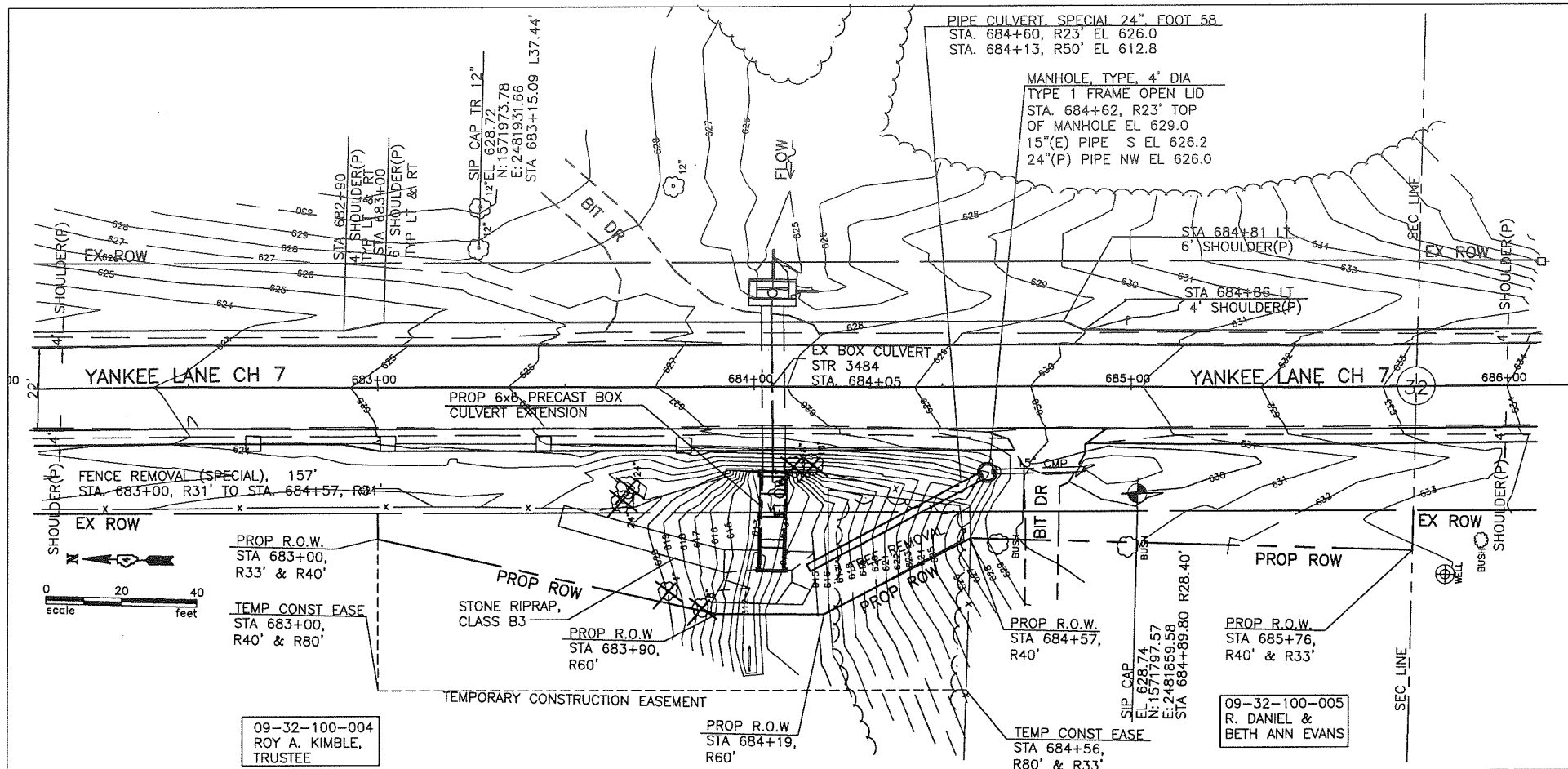
28100125 STONE RIPRAP, CLASS B3

	L	A	B	C	D	E	AREA
	FOOT	FOOT	FOOT	FOOT	FLAT		SQ YD
STA 639+10 R42' TO STA 639+40 R57'	34	2	4	6	2	3	82
STA 639+15 L32' TO STA 639+29 L30'	16	2	8	4			25
TOTAL							107

SECTION RIPRAP CLASS B3



DESIGNED - PGS	EXAMINED	DATE	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE STA. 637+00 TO STA. 641+00	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - PGS	PASSED	REVISED			1371	06-00089-00-RS	MARSHALL	31	9
DRAWN - JLP		REVISED			FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 89462		
CHECKED - PGS									



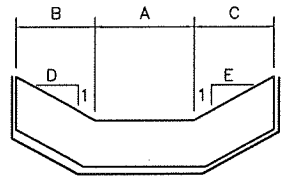
STUMP REMOVAL (DIA - INCHES)
 STUMPS (6 TO 15 UNITS DIA)
 STA 683+82, R124' 8
 STA 684+40± 40
 SUB TOTAL 48

STUMPS (OVER 15 UNITS DIAMETER)
 STA 683+61, R97' 24
 STA 683+62, R92' 24
 STA 684+06, R86' 18
 STA 684+11, R86' 18
 STA 684+40± 40
 SUB TOTAL 124
 TOTAL 172

63200310 GUARDRAIL REMOVAL

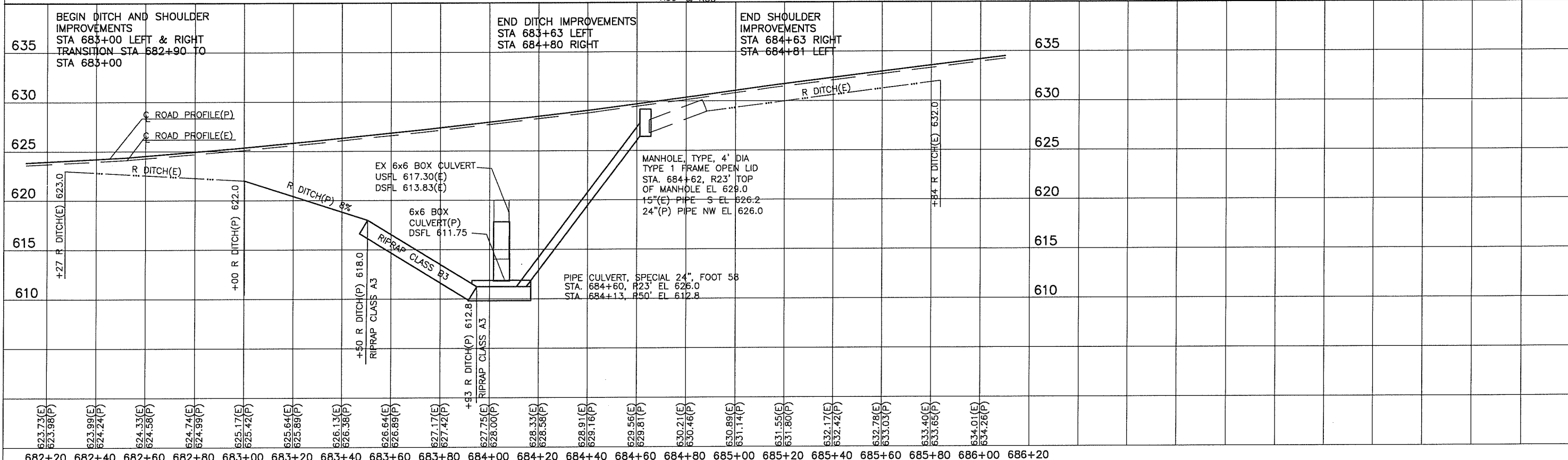
STA. 676+66 RT. TO STA. 680+68 RT.	402	FOOT
STA. 677+67 LT. TO STA. 680+45 LT.	278	FOOT
STA. 681+40 RT. TO STA. 683+92 RT.	252	FOOT
TOTAL	932	FOOT

5405059 PIPE CULVERT, SPECIAL 24"	FOOT 58
60218300 MANHOLE, TYPE A, 4' DIA. TYPE 1 FRAME OPEN LID EACH 1	
20100500 TREE REMOVAL	ACRES 0.02
28100125 STONE RIPRAP, CLASS B3	SQ YD 66
X2010400 STUMP REMOVAL ONLY	UNIT 172
SEE COMMITMENTS ON SHEET 2	



28100125 STONE RIPRAP, CLASS B3

STA. 683+50, R35' TO STA. 683+93, R50'	L	A	B	C	D	E	Sq Yd
	46'	2'	3'	6'	2'	3'	66

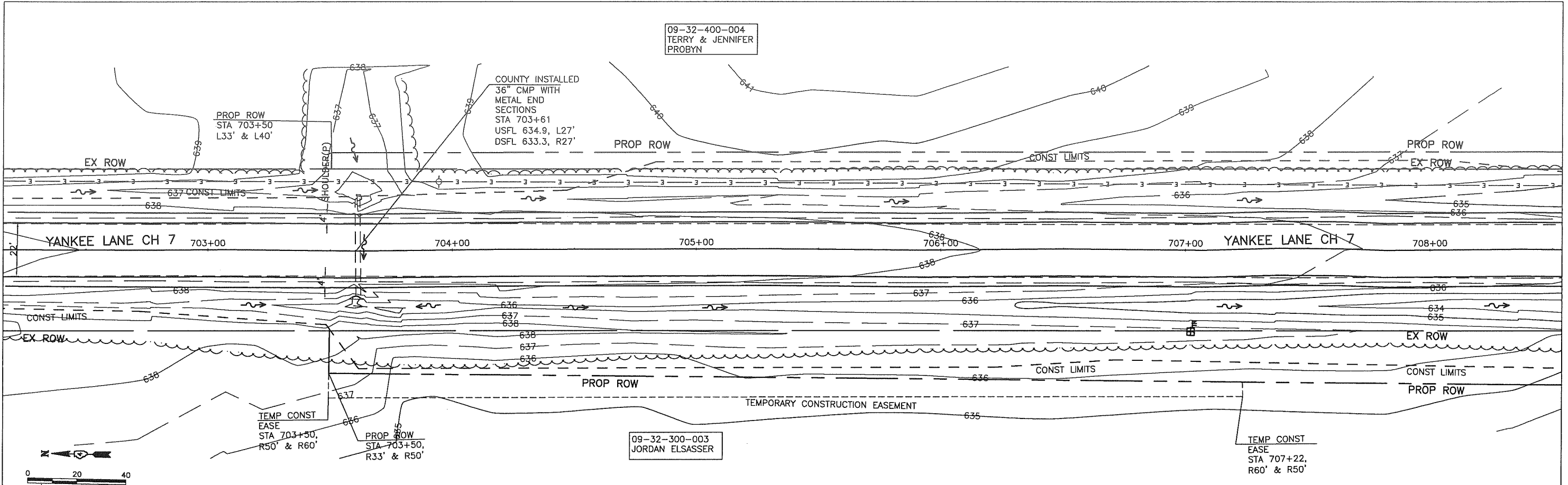


DESIGNED - PGS	EXAMINED - PASSED	DATE	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE STA. 682+20 TO STA. 686+20	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - PGS	ACTING ENGINEER OF BRIDGE DESIGN	REVISED			1371	06-00089-00-RS	MARSHALL	31	10
DRAWN - JLP	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED			FED. ROAD DIST. NO. -	ILLINOIS	CONTRACT NO. 89462		
CHECKED - PGS									

09-32-400-004
TERRY & JENNIFER
PROBYN

COUNTY INSTALLED
36" CMP WITH
METAL END
SECTIONS
STA 703+61
USFL 634.9, L27'
DSFL 633.3, R27'

09-32-300-003
JORDAN ELSASSER



640	L636.8(E)	+00 L MATCH EXIST	+22 L DITCH 636.0(P)	+59 L DITCH 634.9(P)	+62 L DITCH 634.9(P)	+76 L DITCH 635.5(P)	BEGIN DITCH AND SHOULDER IMPROVEMENTS STA 703+50 LEFT & RIGHT TRANSITION STA 703+00 TO STA 703+50	640
635	R DITCH(E)	L DITCH(E)	+22 R DITCH 636.6(P)	+59 R DITCH 633.2(P)	+63 R DITCH 633.2(P)	36" CMP STA 703+61 USFL 634.9 DSFL 633.3	<p>ROAD PROFILE(P)</p> <p>ROAD PROFILE(E)</p> <p>L DITCH(P) 0.2%</p> <p>R DITCH(P) 0.4%</p> <p>L DITCH(P) 0.4%</p> <p>L DITCH(P) 0.8%</p>	635
630	+00 R MATCH EXIST	+22 R DITCH 636.6(P)	+59 R DITCH 633.2(P)	+63 R DITCH 633.2(P)			<p>CRITERIA FOR RIGHT SIDE BERM BETWEEN STA 703+50 AND STA 710+50</p> <p>1. BERM HEIGHT AT STA 703+61 IS SET AT EL 637.8 THE TOP OF BERM (T/B) SHALL TRANSITION TO THE NORTH TO MEET EXISTING GROUND SURFACE AT STA 703+50. TO THE SOUTH FROM STA 703+61, THE TOP OF THE BERM TRANSITION TO EL 637.2 AT STA 703+70.</p> <p>2. FROM STA 704+00 TO STA 710+45, THE TOP OF BERM SHALL BE BUILT TO BE FOUR(4') ABOVE THE FLOWLINE OF THE DITCH.</p>	630

DESIGNED - PGS	EXAMINED	DATE	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE STA. 702+20 TO STA. 708+40	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CHECKED - PGS	PASSED	ACTING ENGINEER OF BRIDGE DESIGN			REVISED	1371	06-00089-00-RS	MARSHALL	31	11
DRAWN - JLP						FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 89462		

09-32-400-004
TERRY & JENNIFER
PROBYN

SIP
STA 711+37 L57'
N: 1569157.46
E: 2481983.44

32" HDPE(E)
STA 711+94 L42.6'
USFL 627.88
DSFL 626.95

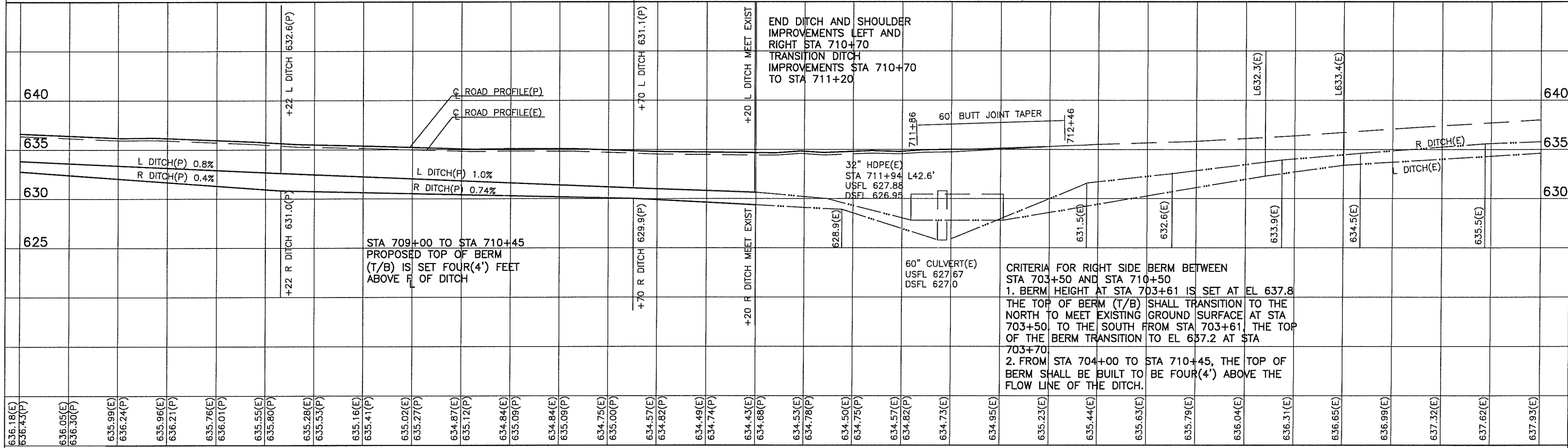
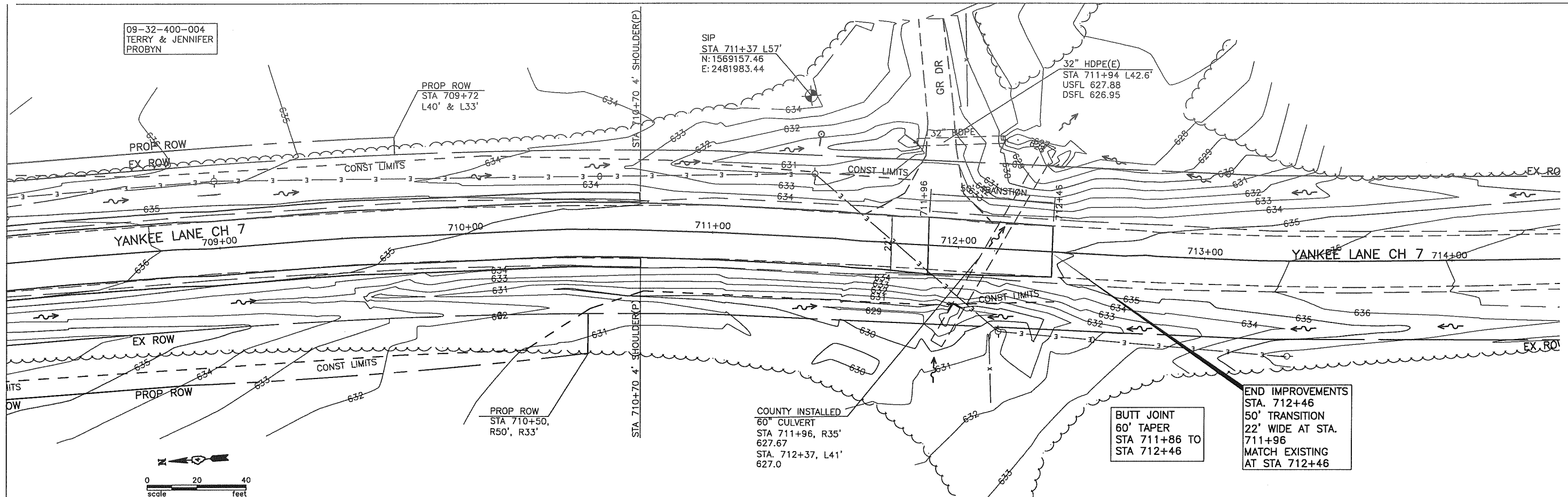
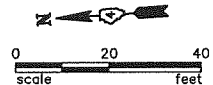
PROP ROW
STA 709+72
L40' & L33'

PROP ROW
STA 710+50,
R50', R33'

COUNTY INSTALLED
60" CULVERT
STA 711+96, R35'
627.67
STA. 712+37, L41'
627.0

BUTT JOINT
60' TAPER
STA 711+86 TO
STA 712+46

END IMPROVEMENTS
STA. 712+46
50' TRANSITION
22' WIDE AT STA.
711+96
MATCH EXISTING
AT STA 712+46



708+40 708+50 708+60 708+80 709+00 709+20 709+40 709+60 709+80 710+00 710+20 710+40 710+60 710+80 711+00 711+20 711+40 711+60 711+80 712+00 712+20 712+40 712+60 712+80 713+00 713+20 713+40 713+60 713+80 714+00 714+20 714+40

DESIGNED - PGS	EXAMINED	DATE
CHECKED - PGS	PASSED	REVISED
DRAWN - JLP	ACTING ENGINEER OF BRIDGE DESIGN	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
STA. 708+40 TO STA. 714+40

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	12
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 89462	

BM
SIP Cap
EI 686.75
Sta 513+33, R29'
SIP Cap
EI 686.01
Sta 515+84, L27'
NW Top of headwall EI 686.25
NE Top of headwall EI 685.75
Notes on Structure No. 3480 at Sta 514+69

DEPARTMENT OF TRANSPORTATION
STATE OF ILLINOIS

GENERAL NOTES:

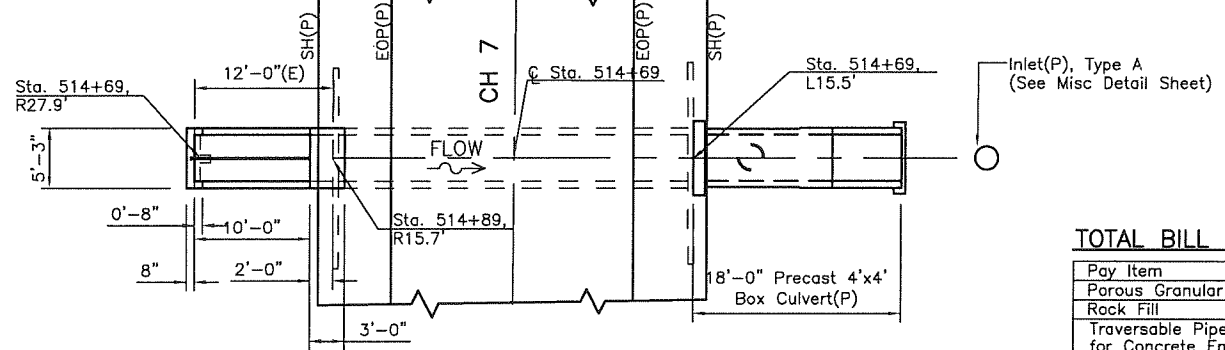
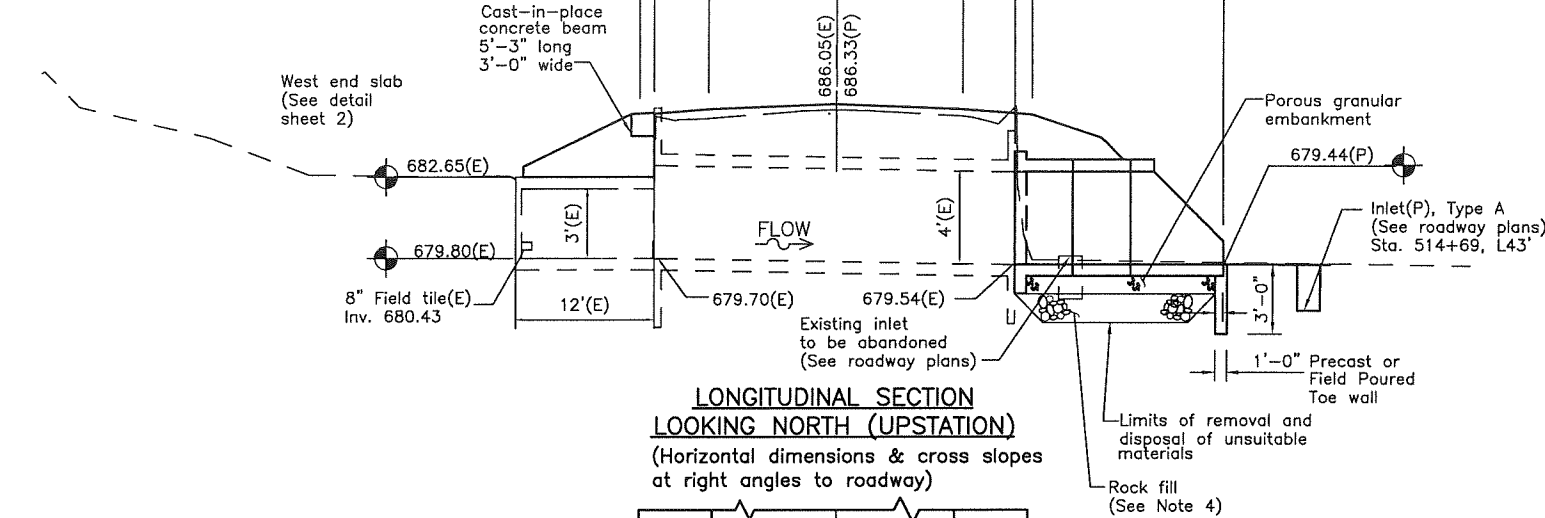
Reinforcement bars shall conform to the requirements of ASTM A706, GR 60 (IL Modified). See Special Provisions.
All construction joints shall be bonded. Exposed edges shall have standard 3/4" chamfer unless otherwise noted.
Precast Alternate not allowed.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	13
FED. ROAD DIST. NO. _____		ILLINOIS	CONTRACT NO. 89462	

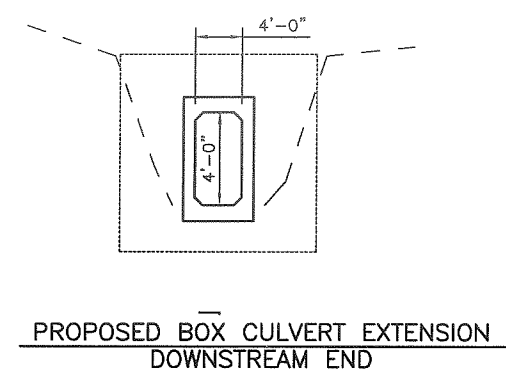
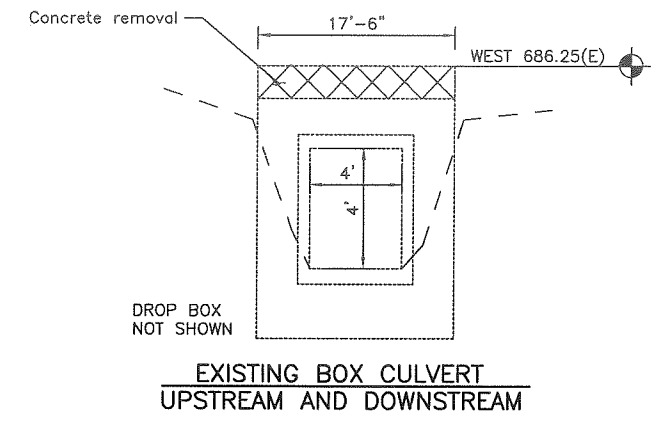
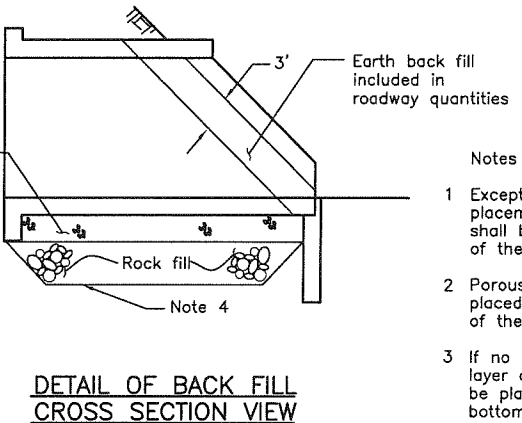
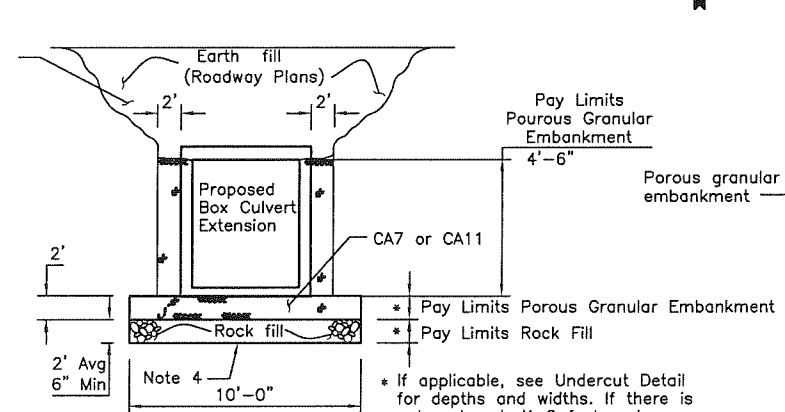
Sheet No 1
of 2 Sheets

Existing Structure: The existing structure is a cast-in-place 4' by 4' (span x rise) concrete box culvert with an unknown date of construction. The upstream and downstream headwalls are cast-in-place and extend parallel to the centerline of the highway. Measured face to face of the headwalls, the culvert is 31'-2" long. The upstream side has a cast-in-place drop structure believed to have been added to the original box at an unknown date. Existing structure shall remain except portions of the west headwall.

Drainage area 0.05 sq. mi. and is a tributary to Senachwine Creek



UPSTREAM INLET
MODIFICATIONS TO
DROP STRUCTURE



REINFORCEMENT BARS

Bar	No.	Size	Length	Shape
a1	11	#5	5'-0"	—
a2	4	#5	5'-0"	—
a3	6	#4	6'-3"	—
a4	6	#5	2'-3"	—
a5	4	#5	5'-0"	—
h1	8	#5	9'-0"	—
v1	16	#5	4'-1"	—
v2	8	#5	3'-8"	—
Expansion Bolts, 3/4"		Each	16	
Concrete Removal		Cu. Yd.	0.6	
Concrete Box Culverts		Cu. Yd.	3.1	
Reinforcement Bars		Pound	383	

CONNECTION COLLAR

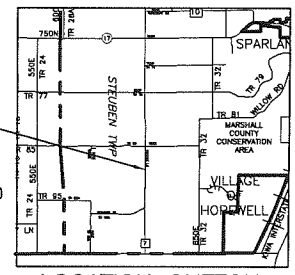
Bar	No.	Size	Length	Shape
a11	4	#4	9'-0"	L
a13	5	#4	5'-8"	—
h11	15	#4	0'-9"	—
h12	7	#4	4'-3"	—

TOTAL BILL OF MATERIALS

Pay Item	Unit	Total
Porous Granular Embankment	Cu Yd	28
Rock Fill	Ton	27
Traversable Pipe Gate for Concrete End Section	Foot	10.5
Structure Excavation	Cu Yd	14
Precast Concrete Box Culvert 4x4	Foot	18
Concrete Removal	Cu Yd	0.6
Concrete Structures	Cu Yd	3.1
Reinforcement Bars	Pound	383
Expansion Bolts, 3/4"	Each	16
Geotechnical Fabric for Ground Stabilization	Sq Yd	35

RIP RAP & GRANULAR EMBANKMENT

Description	Pay Item	Unit	Upstream	Downstream	Total
Granular Back fill	Porous Granular Embankment	Cu Yd	0	28	28
Rock Fill for Undercut (assumes 1" undercut required)	Rock Fill	Ton	0	27	27
	Geotechnical Fabric for Ground Stabilization	Sq Yd	0	35	35
Concrete Demolition	Concrete Removal	Cu Yd	0.6	0	0.6
Excavation	Structure Excavation	Cu Yd			14
Traversable Pipe Gate for Concrete End Section Sta 514+69, R17.5' to R28'		Foot		10.5	



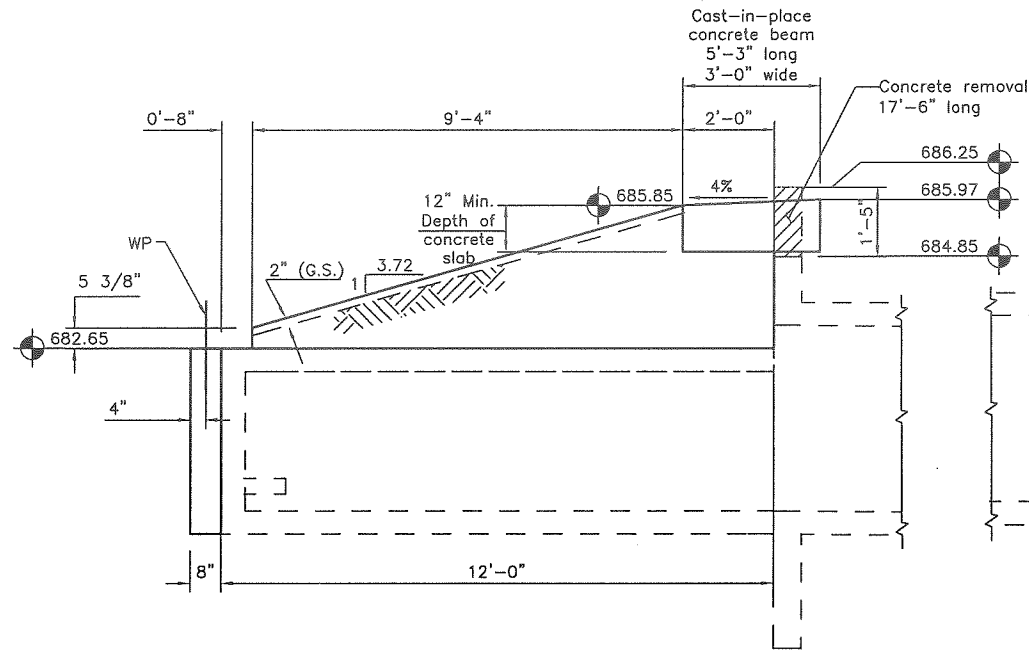
DESIGN STRESSES
f'c = 3500 psi (Collar and Drop Structure)
f'c = 4500 psi Min. (PCBC)
f'c = 3000 psi (Grout)
fy = 60000 psi (Reinforcement)

CULVERT DETAILS
YANKEE LANE CH 7, FAS RTE 1371
MARSHALL COUNTY
STA. 514+69
STRUCTURE NO. 3480
MARSHALL COUNTY ILLINOIS TRIBUTARY TO SENACHWINE CREEK

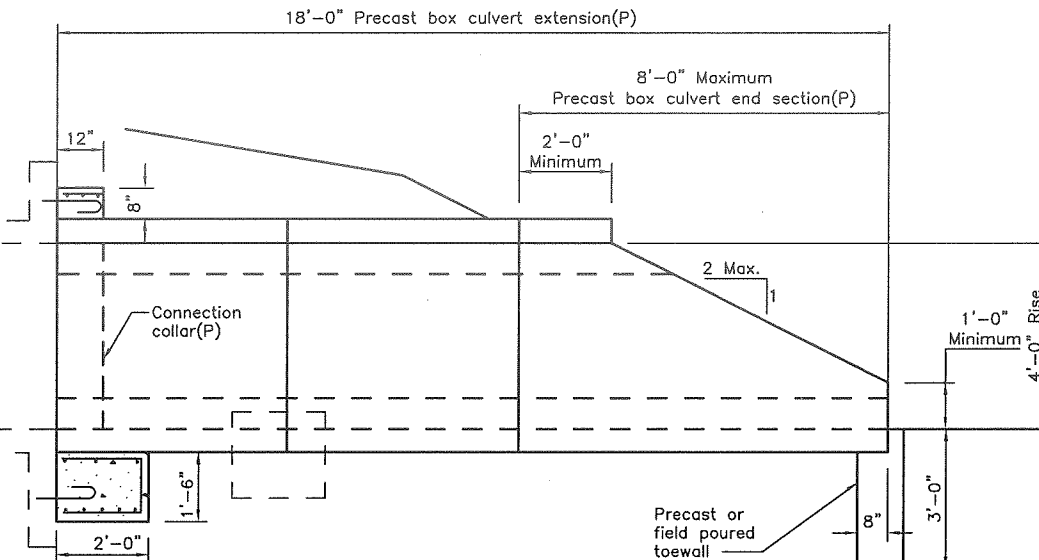
- Notes (Back fill and Undercut Details):
- Except as specified in this detail, the placement and compacting of back fill shall be in accordance with Article 502.10 of the Standard Specifications.
 - Porous Granular Embankment shall be placed in accordance with Section 207 of the Standard Specifications.
 - If no undercut is required, a 6" Minimum layer of Porous Granular Embankment shall be placed below the elevation of the bottom of the box culvert.
 - If undercut is required, place rock fill on Geotechnical Fabric for Ground Stabilization.

Designed	JFS
Checked	PGS
Drawn	JLP
Checked	PGS/JFS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	14
FED. ROAD DIST. NO. _	ILLINOIS	CONTRACT NO. 89462		

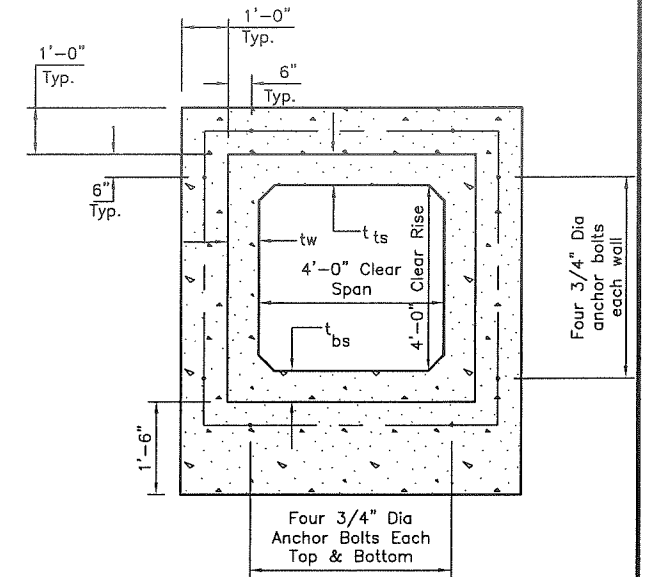


DETAIL WEST END SLAB
LOOKING NORTH



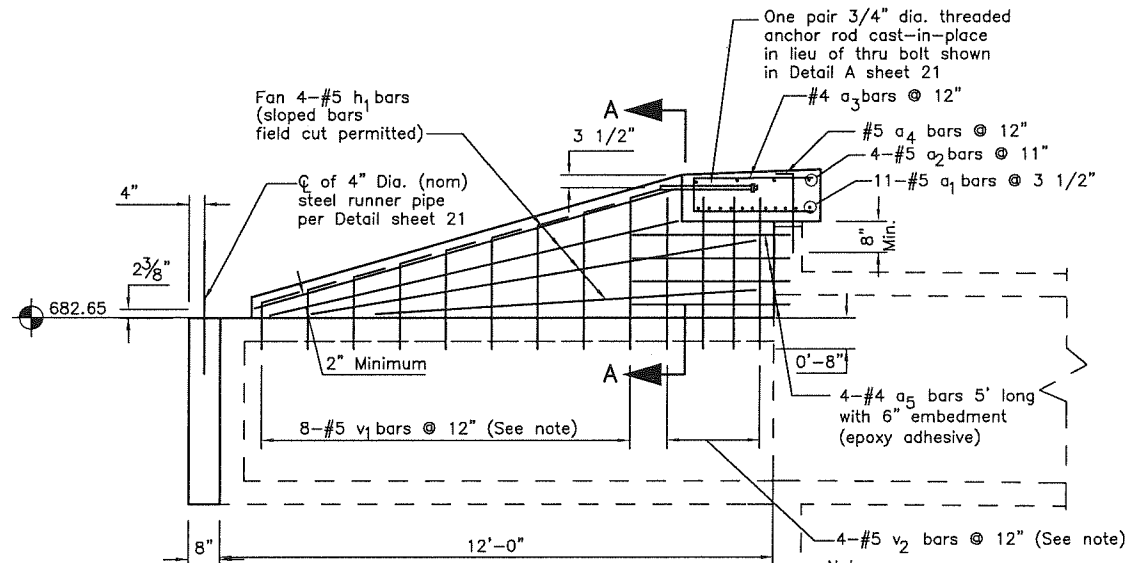
10'-0" PRECAST BOX
CULVERT EXTENSION
LOOKING NORTH

PRECAST BOX CULVERT
END SECTION EAST END
LOOKING NORTH

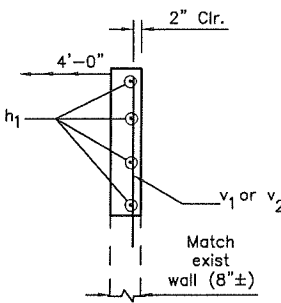


Notes:
1. PCBC wall t_d , top slab t_{ts} and bottom slab t_{ts} concrete thickness shall be determined by prestresser.
2. Expansion bolts shall consist of drilling expansion shields and $\frac{3}{8}$ " hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete. Minimum certified proof loading = 4080 lbs.

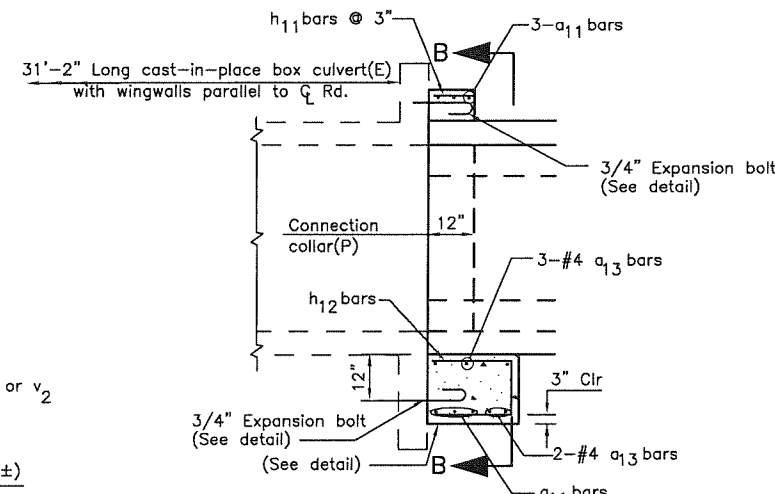
3/4" DIA. EXPANSION
BOLT LAYOUT
16 REQUIRED



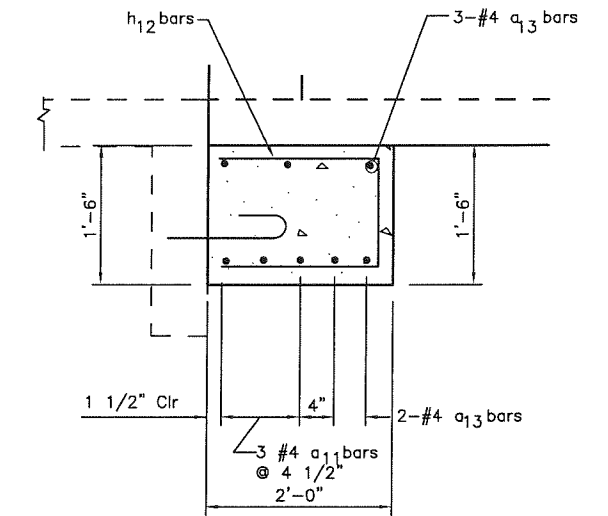
DETAIL WEST END SLAB
LOOKING NORTH



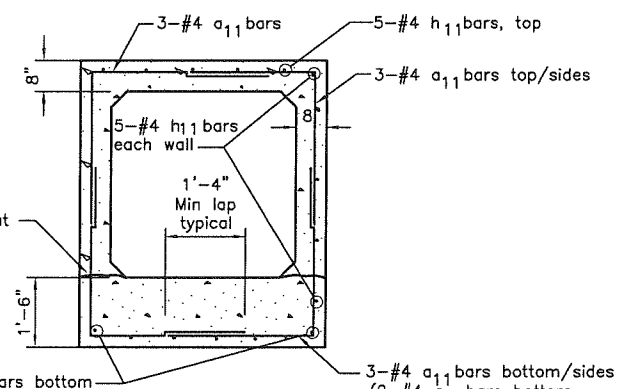
SECTION A-A



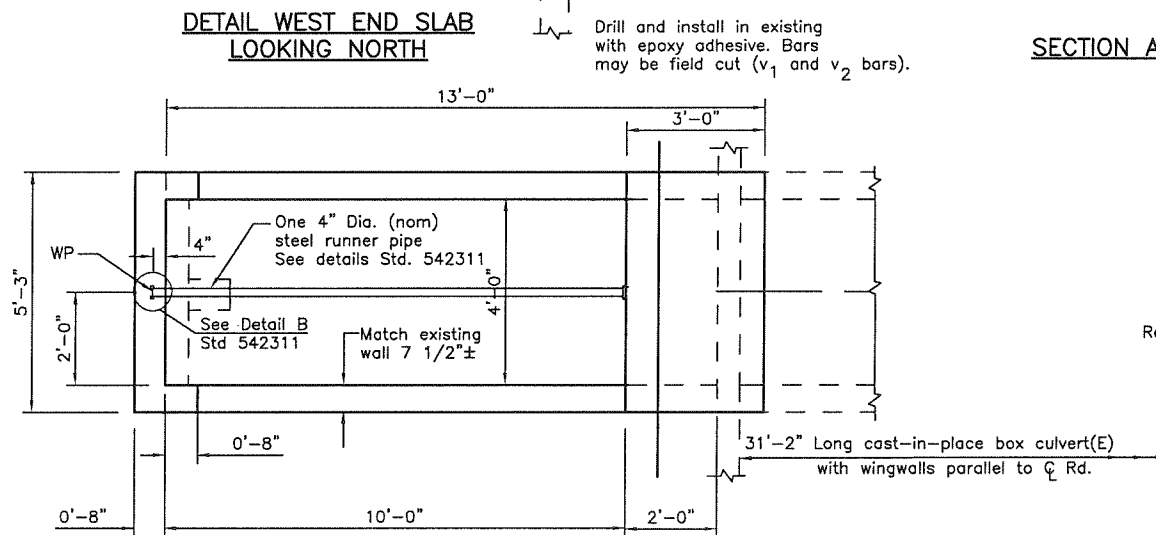
CONNECTION COLLAR
PROFILE VIEW
AT EAST END CULVERT
LOOKING NORTH



DETAIL



CONNECTION COLLAR
SECTION B-B



PLAN VIEW WEST END SLAB

Designed	JFS
Checked	PGS
Drawn	JLP
Checked	PGS/JFS

CULVERT DETAILS
YANKEE LANE CH 7, FAS RTE 1371
MARSHALL COUNTY
STRUCTURE NO. 3480
TRIBUTARY TO SENACHWINE CREEK

BM

NW Top headwall 632.99
 SW Top headwall 632.80
 NE Top headwall 637.17
 SE Top headwall 637.28

Notes on Structure No. 3483 at Sta 639+20

Existing Structure: The existing structure includes a 45 foot long original box culvert, a 12 foot long downstream extension and an upstream drop structure. The date of construction of any portion of the existing structure is not know. The original structure is a cast-in-place 4' by 3' (span x rise) concrete box culvert with an upstream headwall that is parallel to the centerline. It is not known if there is an existing headwall on the downstream end of the original box because of the twelve foot long extension. The rise vary over a portion of the length of the cast-in-place extension to account for the change in slope on the original to the extension (4'S by 3'R at west end). The downstream headwall of the extension is parallel to the centerline of the road. The upstream end of the original box has a cast-in-place drop structure. The upstream drop box, downstream box extension and a portion of the downstream end of the original box shall be demolished. The remainder of the existing original box shall remain.

Drainage area 0.07 sq. mi. and is a tributary to Senachwine Creek

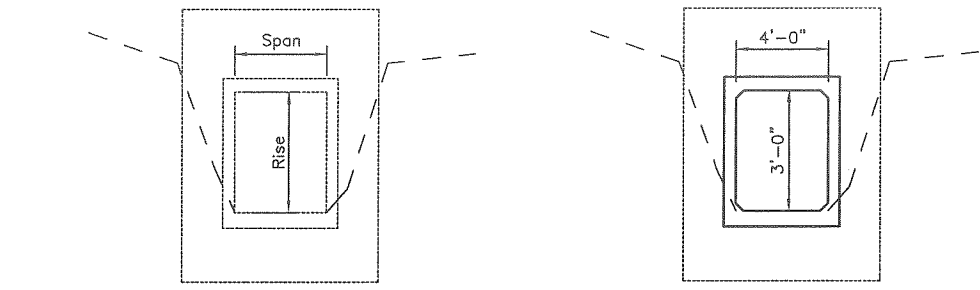
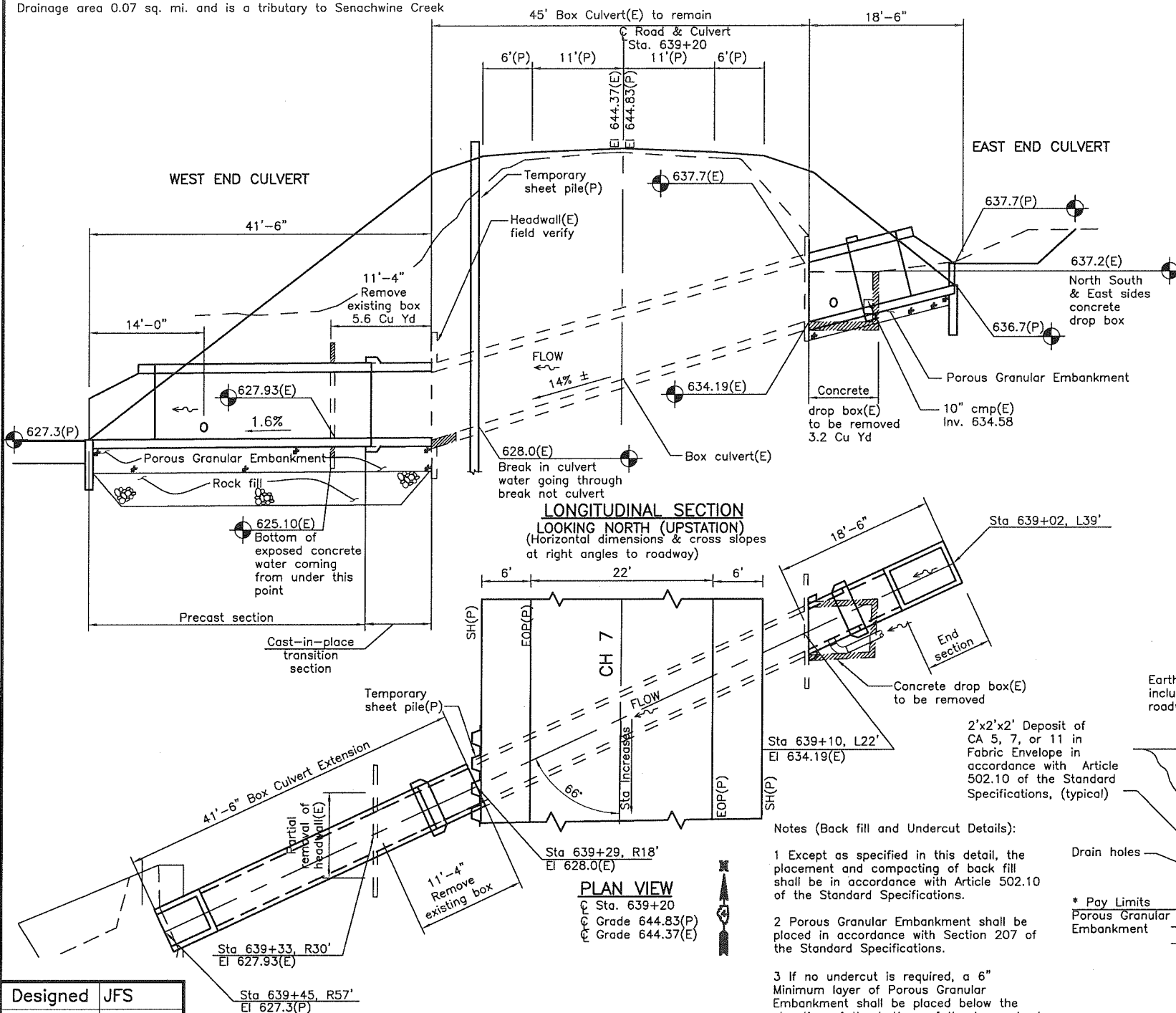
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	15
FED. ROAD DIST. NO. _____		ILLINOIS	CONTRACT NO. 89462	

Sheet No 1
 of 2 Sheets

GENERAL NOTES:

Reinforcement bars shall conform to the requirements of ASTM A706, GR 60 (IL. Modified). See Special Provisions.
 All construction joints shall be bonded.
 Exposed edges shall have standard 3/4" chamfer unless otherwise noted.
 Precast Alternate not allowed.



EXISTING BOX CULVERT L22' TO R18' UPSTREAM AND DOWNSTREAM

PROPOSED PRECAST CULVERT

RIP RAP & GRANULAR EMBANKMENT

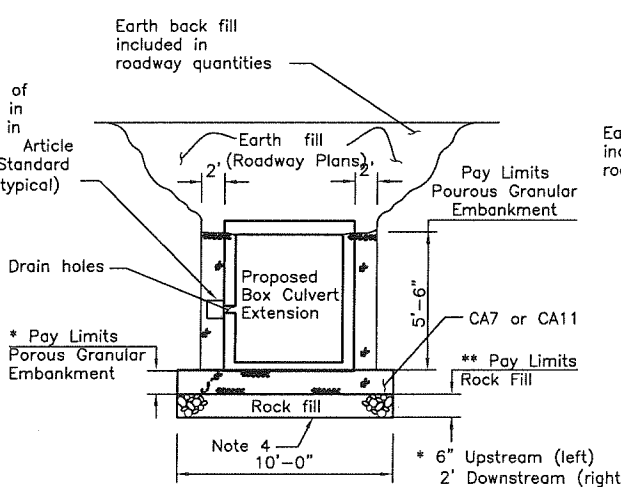
Description	Pay Item	Unit	Upstream	Downstream	Total
Granular Back fill	Porous Granular Embankment	Cu Yd	45	45	45
Rock Fill for Undercut (assumes 1' undercut required)	Rock Fill	Ton	0	62	62
	Geotechnical Fabric for Ground Stabilization	Sq Yd	0	72	72

TOTAL BILL OF MATERIALS

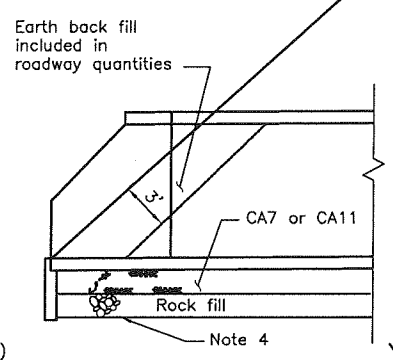
Pay Item	Unit	Total
Porous Granular Embankment	Cu Yd	80
Rock Fill	Ton	62
Geotechnical Fabric for Ground Stabilization	Sq Yd	72
Structure Excavation	Cu Yd	185
Precast Box Culvert 4x3	Foot	60
Concrete Removal	Cu Yd	11.1
Stone Riprap, Class A4	Sq Yd	33
Filter Fabric	Sq Yd	50
Temporary Sheet Piling (SPL)	Sq Ft	988
Structure Repair of Concrete (Greater than 5")	Sq Ft	12

LONGITUDINAL SECTION
 LOOKING NORTH (UPSTATION)
 (Horizontal dimensions & cross slopes at right angles to roadway)

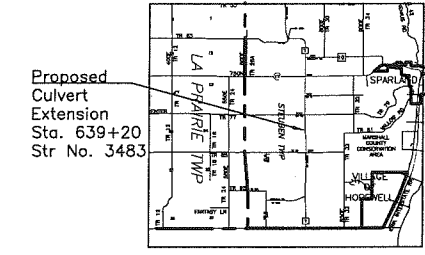
- Notes (Back fill and Undercut Details):
- Except as specified in this detail, the placement and compacting of back fill shall be in accordance with Article 502.10 of the Standard Specifications.
 - Porous Granular Embankment shall be placed in accordance with Section 207 of the Standard Specifications.
 - If no undercut is required, a 6" Minimum layer of Porous Granular Embankment shall be placed below the elevation of the bottom of the box culvert.
 - If undercut is required, place rock fill on Geotechnical Fabric for ground stabilization.



DETAIL OF BACK FILL ROADWAY PROFILE VIEW



DETAIL OF BACK FILL CROSS SECTION VIEW



Proposed Culvert Extension Sta. 639+20 Str No. 3483

NORTH HALF SECTION 29 IN STEUBEN TOWNSHIP, MARSHALL COUNTY ILLINOIS LOCATION SKETCH

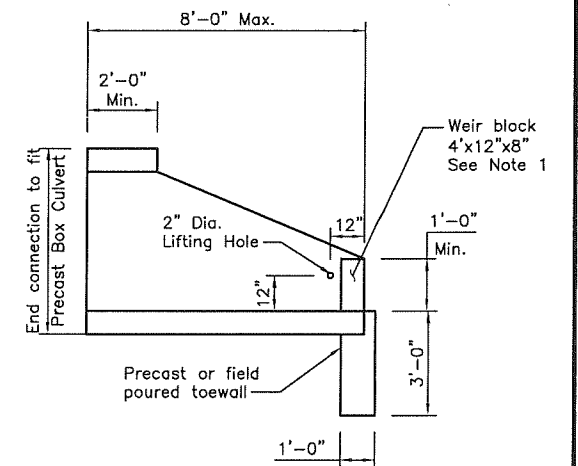
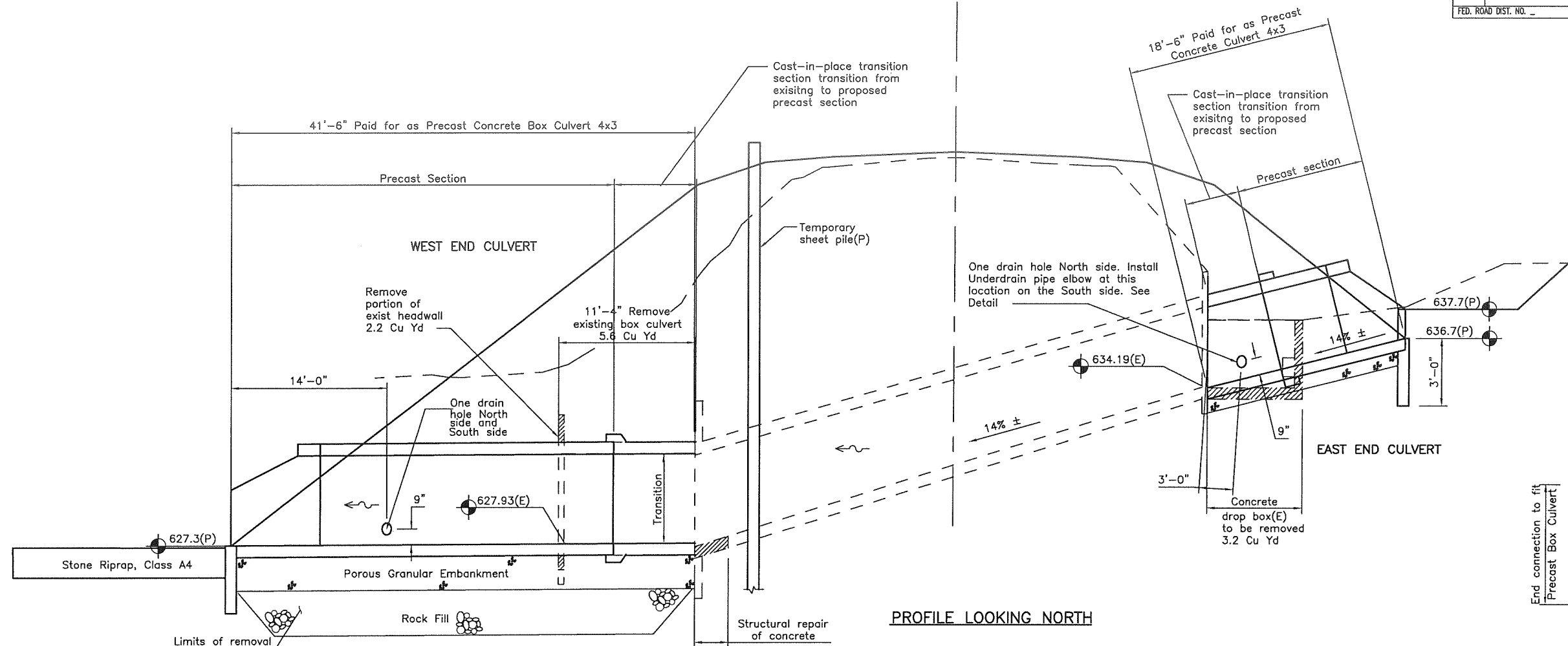
CULVERT DETAILS
 YANKEE LANE CH 7, FAS RTE 1371
 MARSHALL COUNTY
 STA. 639+20
 STRUCTURE NO. 3483
 TRIBUTARY TO SENACHWINE CREEK

Designed	JFS
Checked	PGS
Drawn	JLP
Checked	JFS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	16
FED. ROAD DIST. NO. _		ILLINOIS CONTRACT NO. 89462		

Sheet No 2
of 2 Sheets

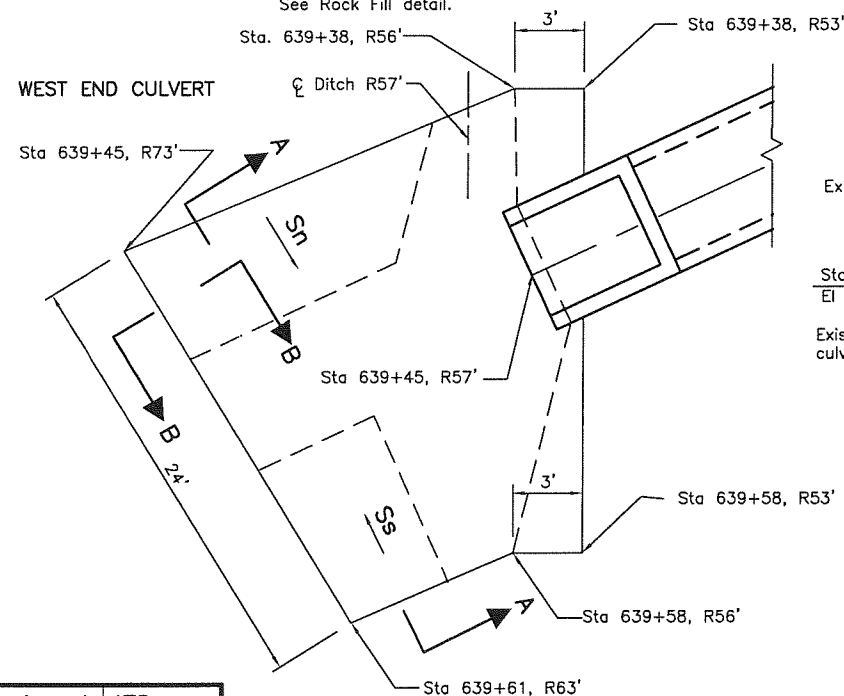


UPSTREAM PRECAST BOX CULVERT
END SECTION AASHTO M25.9

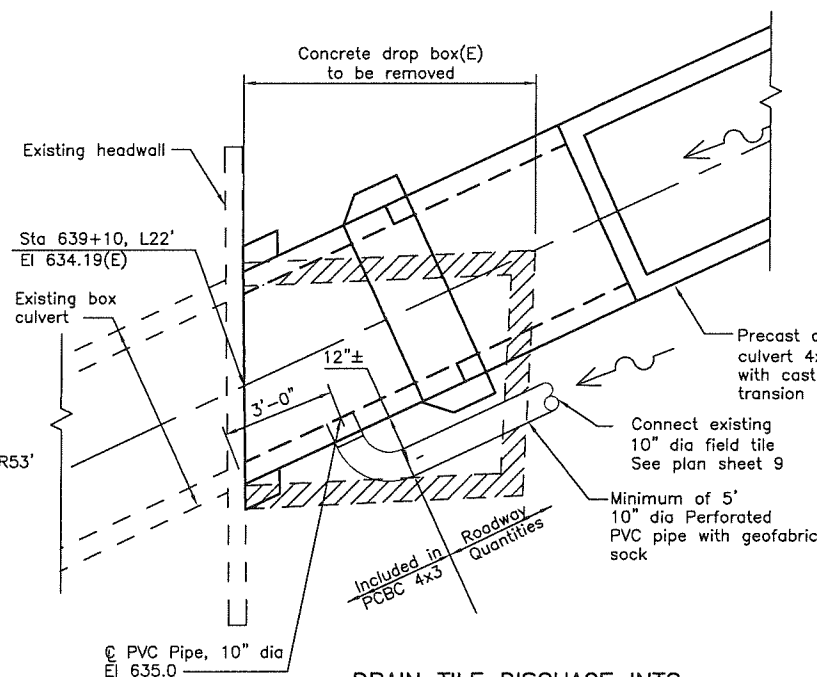
Notes:

- Weir block may either be
A. Precast block of reinforced concrete held in place with a minimum of two galvanized 3/4" dia dowel rods at each end.
B. cast-in-place reinforced concrete held in place with a minimum of two galvanized stainless steel 3/4" dia expansion bolts at each end.

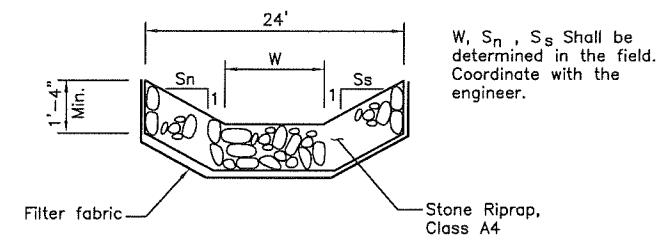
Limits of removal and disposal of unsuitable materials to be field determined. See Rock Fill detail.



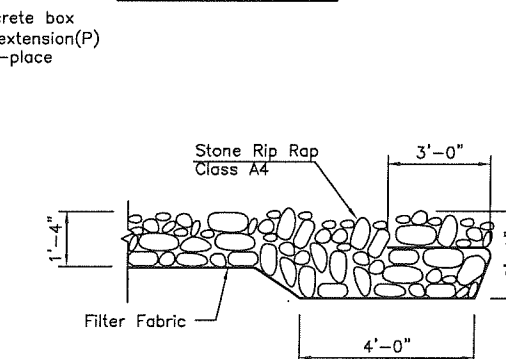
RIPRAP CLASS A4 DETAIL



DRAIN TILE DISCHARGE INTO
PRECAST BOX CULVERT EXTENSION



SECTION A-A
RIPRAP CLASS A4



SECTION B-B
RIPRAP CLASS A4
END ANCHOR TREATMENT

Designed	JFS
Checked	PGS
Drawn	JLP
Checked	JFS

CULVERT DETAILS
YANKEE LANE CH 7, FAS RTE 1371
MARSHALL COUNTY
STA. 639+20
STRUCTURE NO. 3483
TRIBUTARY TO SENACHWINE CREEK

BM
NW End headwall El 621.32
SE Corner drop box El 627.33
SIP Cap TR 12"
El 628.72
Sta 683+15.09 L37.44
Notes on Structure No. 3484 at Sta 684+05

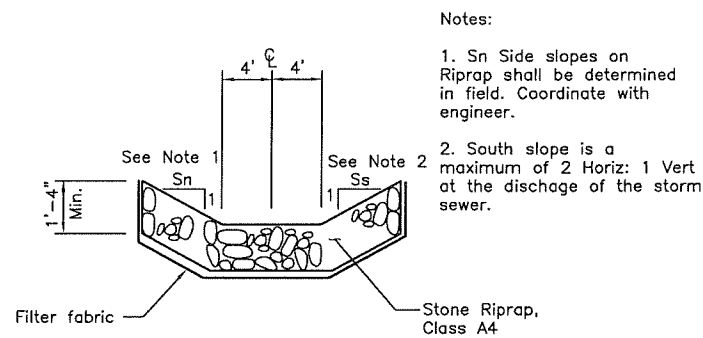
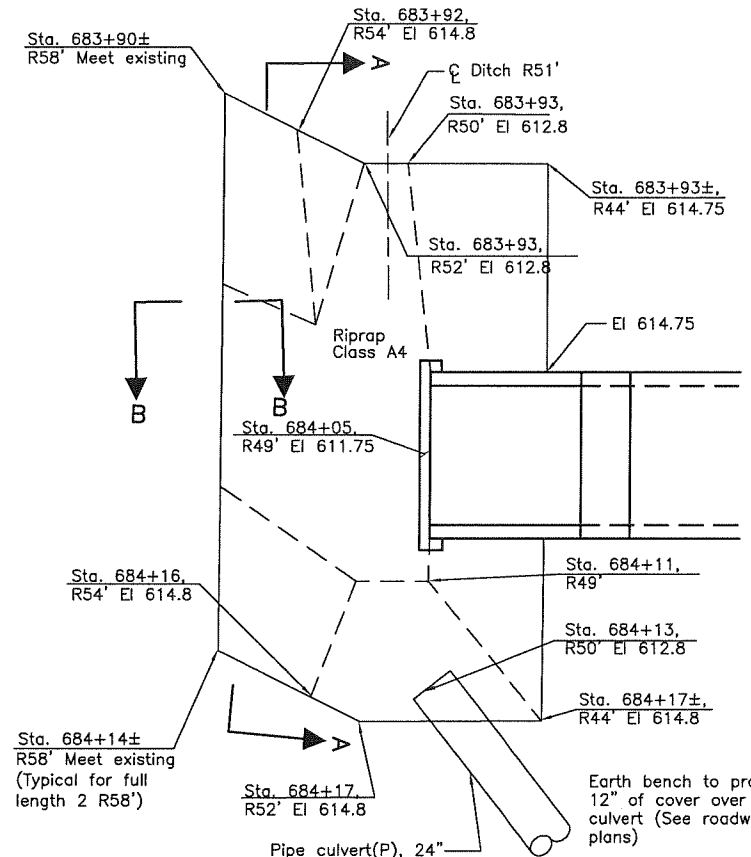
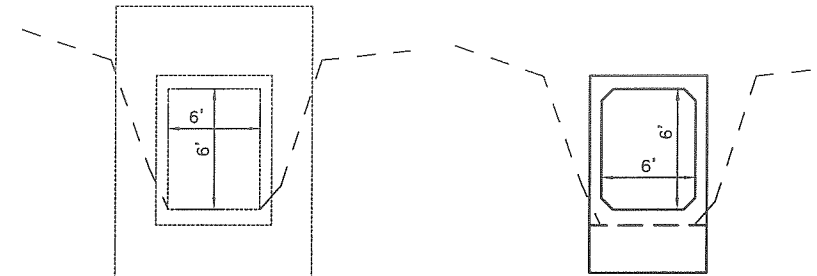
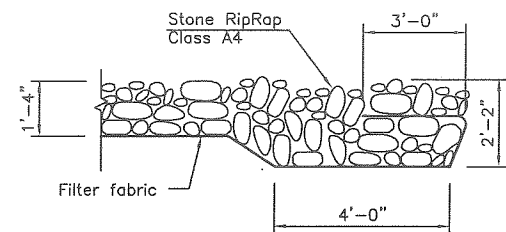
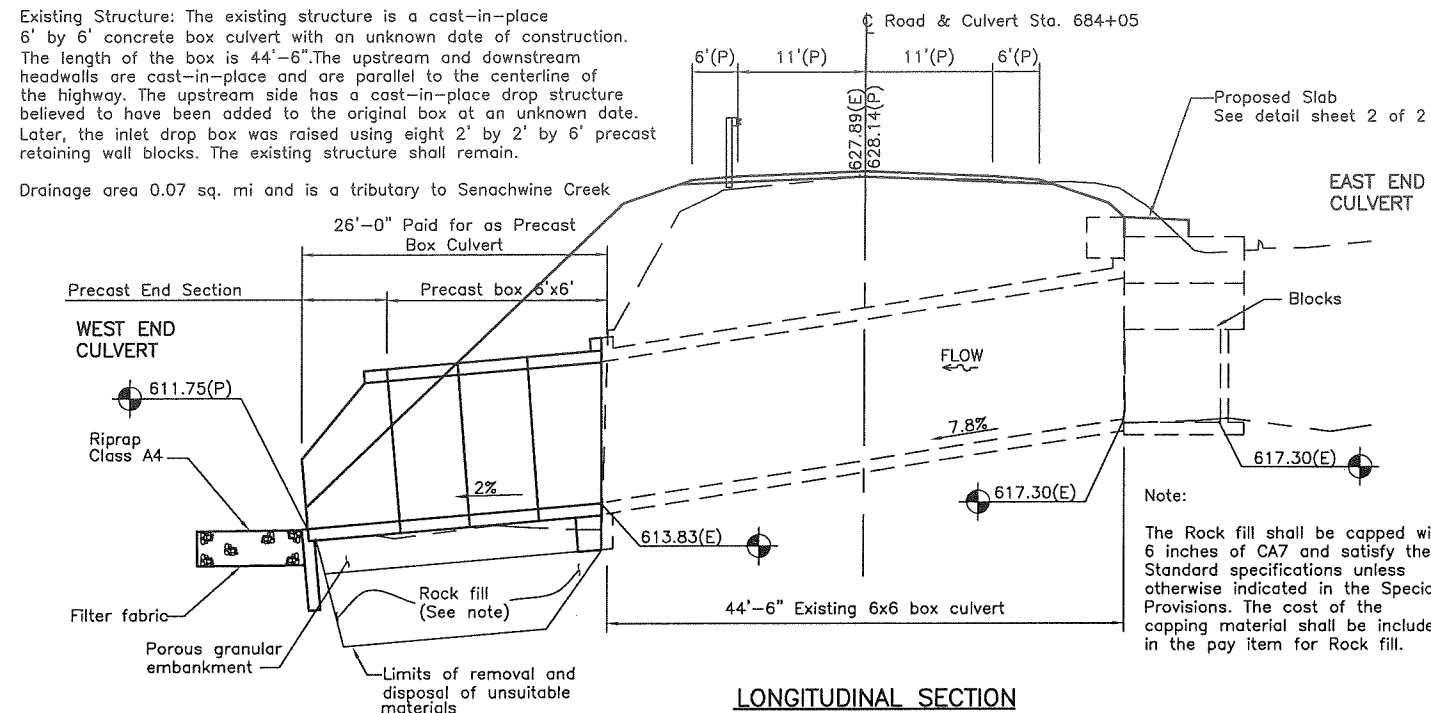
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES:

Reinforcement bars shall conform to the requirements of ASTM A706, GR 60 (IL. Modified). See Special Provisions. All construction joints shall be bonded. Exposed edges shall have standard 3/4" chamfer unless otherwise noted.

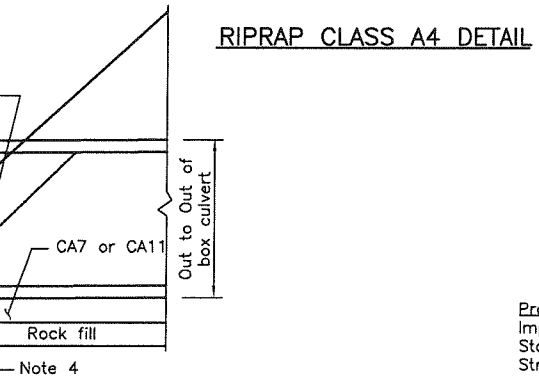
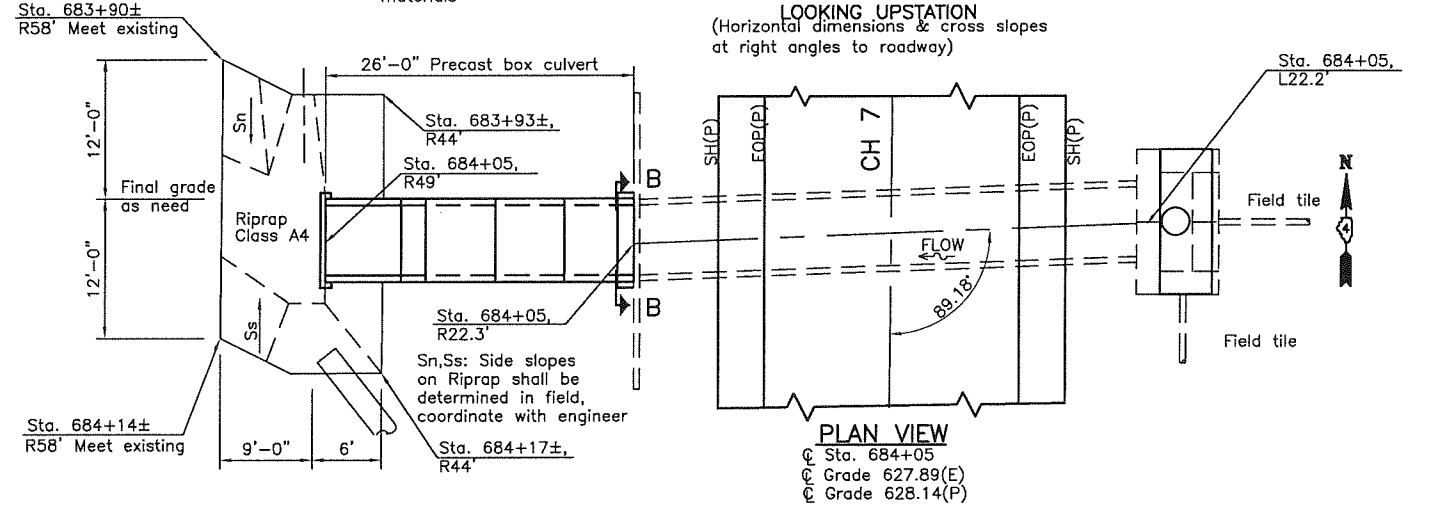
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1371	06-00089-00-RS	MARSHALL	31	17
FED. ROAD DIST. NO. _____		ILLINOIS	CONTRACT NO. 89462	

Sheet No 1
of 2 Sheets



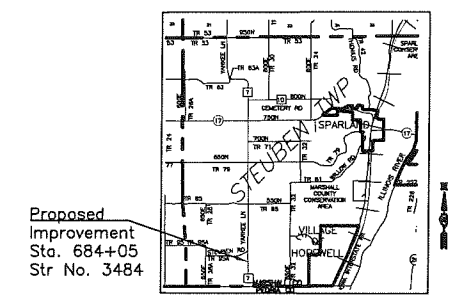
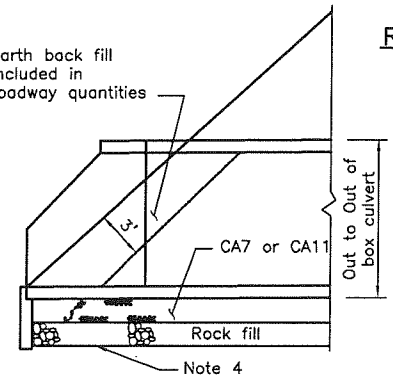
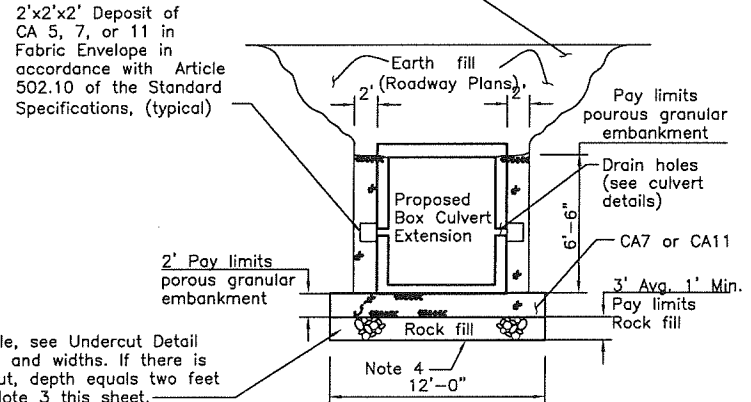
TOTAL BILL OF MATERIALS

Pay Item	Unit	Total
Porous Granular Embankment	Cu Yd	45
Stone Riprap, Class A4	Ton	25
Filter Fabric	Sq Yd	39
Geotechnical Fabric for Ground Stabilization	Sq Yd	54
Concrete Box Culvert	Cu Yd	47.3
Expansion Bolts, 3/4"	Each	20
Structure Excavation	Cu Yd	40
Concrete Structure	Cu Yd	4.2
Reinforcement Bars	Pound	479
Precast Concrete Box Culvert 6x6	Foot	26
Rock Fill	Ton	69



Notes (Back fill and Undercut Details):

- 1 Except as specified in this detail, the placement and compacting of back fill shall be in accordance with Article 502.10 of the Standard Specifications.
- 2 Porous Granular Embankment shall be placed in accordance with Section 207 of the Standard Specifications.
- 3 If no undercut is required, a 6" Minimum layer of Porous Granular Embankment shall be placed below the elevation of the bottom of the box culvert.
- 4 If undercut is required, place rock fill on Geotechnical Fabric for ground stabilization.



DESIGN STRESSES

f'c = 3500 psi (Collar and Slab)
f'c = 4500 psi Min. (PCBC)
f'c = 3000 psi (Grout)
fy = 60000 psi (Reinforcement)

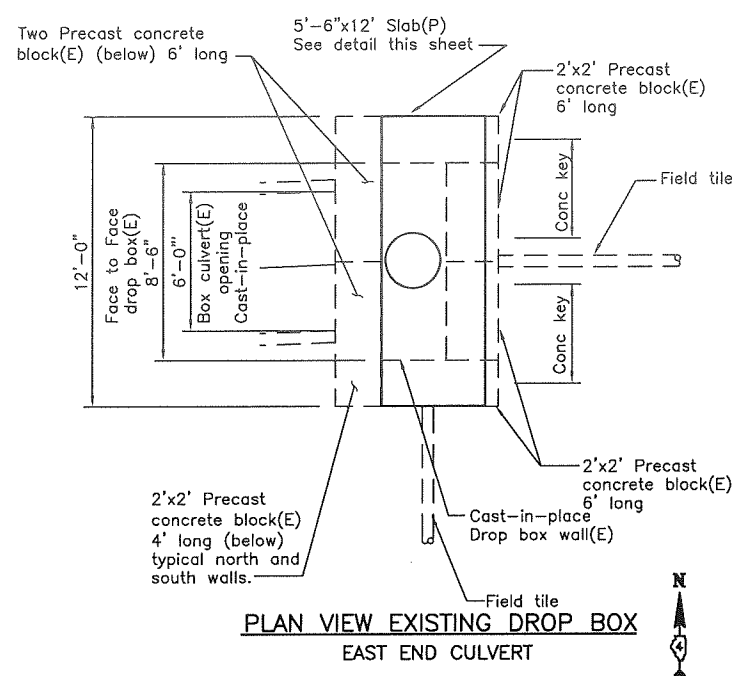
CULVERT DETAILS
YANKEE LANE CH 7, FAS RTE 1371
MARSHALL COUNTY
STA. 684+05
STRUCTURE NO. 3484
TRIBUTARY TO SENACHWINE CREEK

Designed	JFS
Checked	PGS
Drawn	JLP
Checked	PGS/JFS

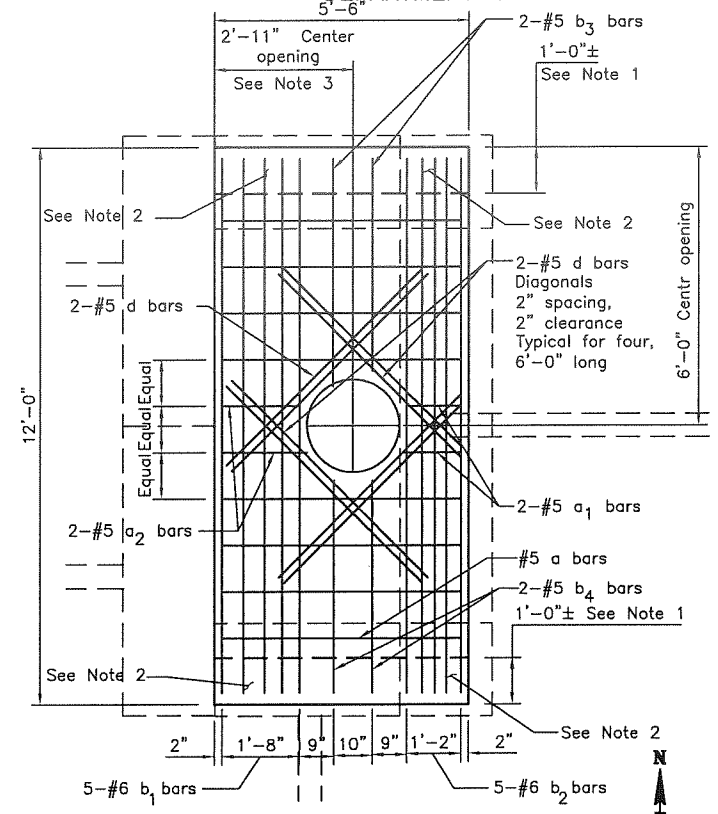
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	18
FED. ROAD DIST. NO. _____		ILLINOIS	CONTRACT NO. 89462	

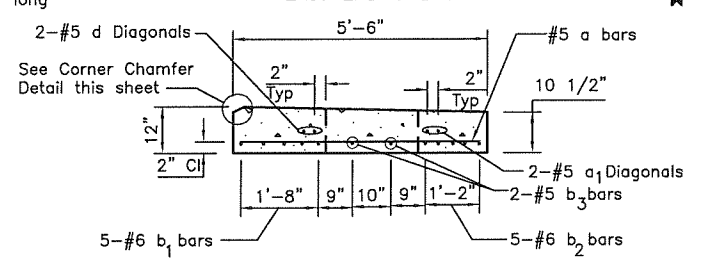
Sheet No 2
of 2 Sheets



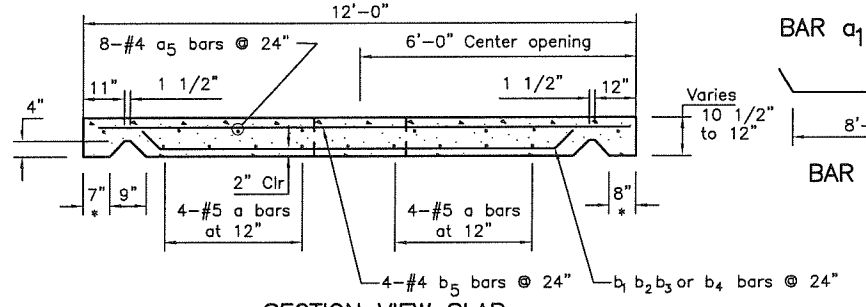
PLAN VIEW EXISTING DROP BOX
EAST END CULVERT



PLAN VIEW SLAB
EAST END CULVERT



SECTION VIEW SLAB
EAST END CULVERT
LOOKING NORTH

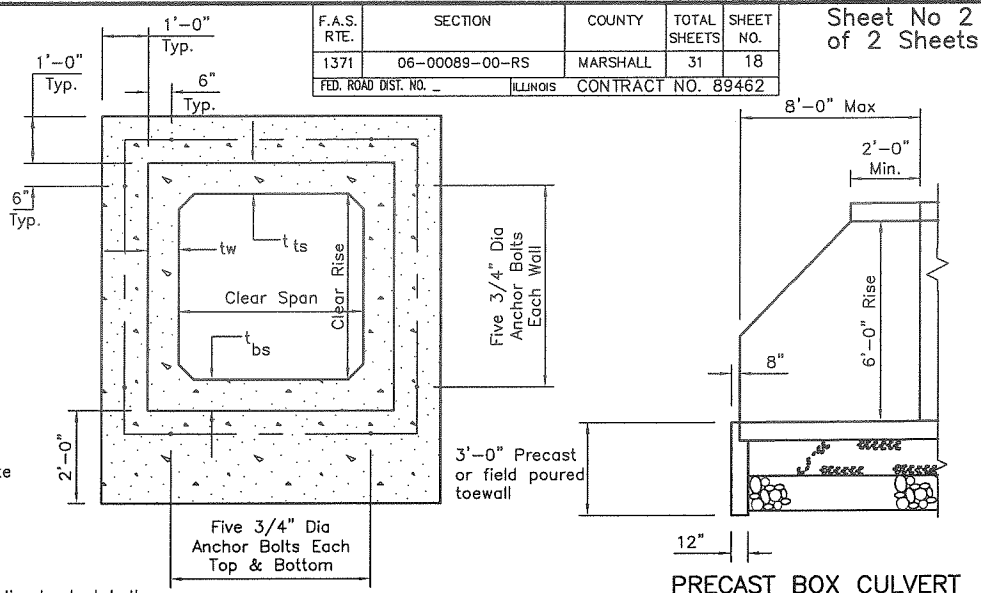


SECTION VIEW SLAB
EAST END CULVERT
LOOKING WEST

Slab Notes:

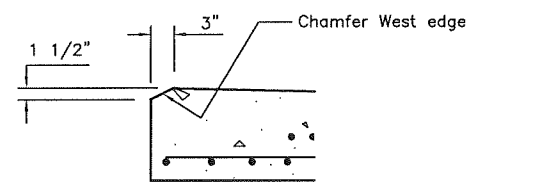
- Note 1
The Keyways (Female) on underside of proposed precast slab shall be located using dimensions taken by contractor to align with existing keys (Male).
- Note 2
Contractor shall include four(4) lifting loops on top of proposed precast slab which shall remain in place.
- Note 3
Frame type is a Neenah R-2565-C Manhole frame and open Lid. Frame shall be cast in the slab.
- Note 4:
Slab can be cast-in-place, precast on site or precast off site. refer to special provisions.

- Collar Notes:
1. Expansion bolts shall be 3/4" dia. hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.
2. PCBC wall (tw), top slab (tts), and bottom slab (tbs) shall be determined by Precaster.

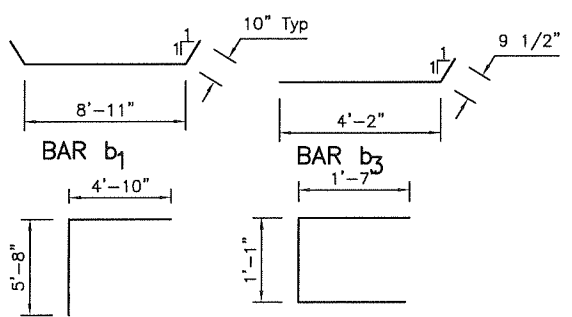


3/4" DIA. EXPANSION
BOLT LAYOUT
20 REQUIRED

PRECAST BOX CULVERT
END SECTION

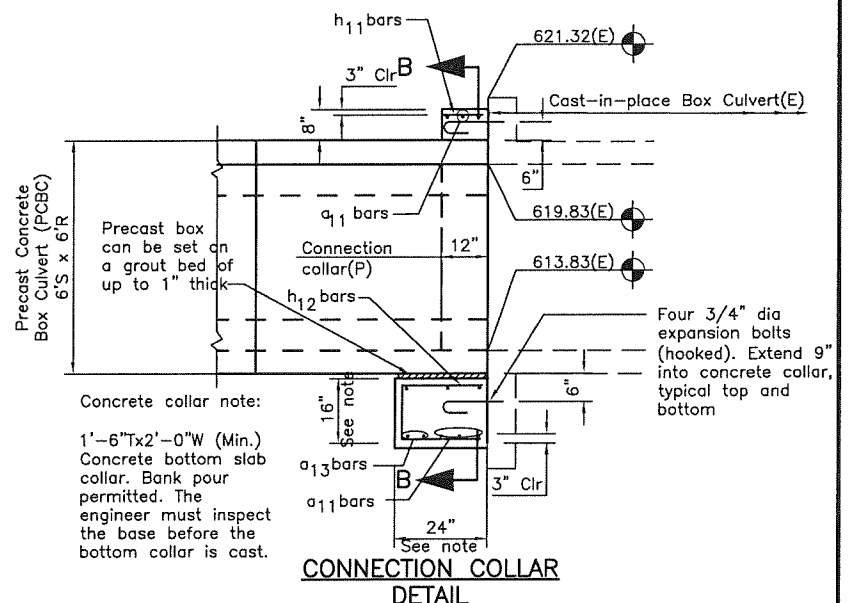


SLAB CORNER
CHAMFER DETAIL

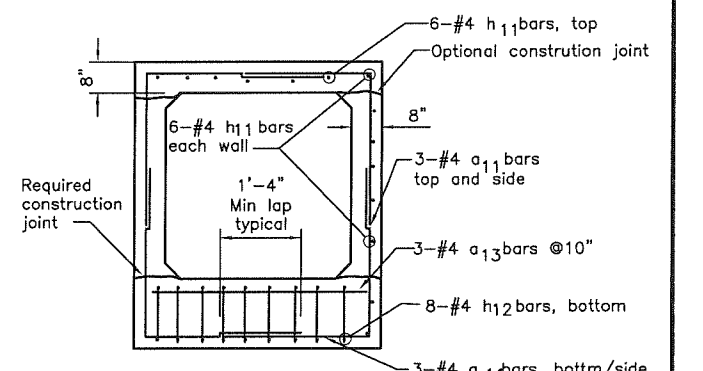


REINFORCEMENT BARS

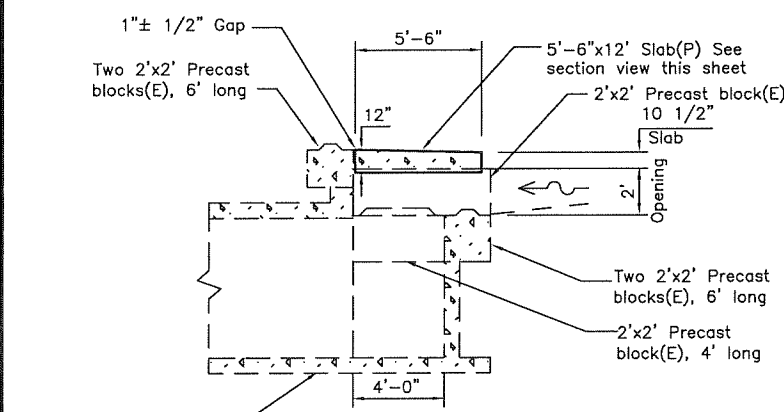
Bar	No.	Size	Length	Shape	
EAST SIDE SLAB					
a	8	#5	5'-3"		
a1	2	#5	1'-3"		
a2	2	#5	1'-7"		
a5	8	#4	5'-3"		
b1	5	#6	10'-7"		
b2	5	#6	10'-5"		
b3	2	#5	4'-11 1/2"		
b4	2	#5	5'-0 1/2"		
b5	4	#4	11'-9"		
d	8	#5	6'-0"		
WEST SIDE COLLAR					
a11	12	#4	10'-6"		
a13	5	#4	8'-0"		
h11	18	#4	0'-9"		
h12	8	#4	4'-3"		
Expansion Bolts, 3/4"				Each	20
Reinforcement Bars				Pound	479



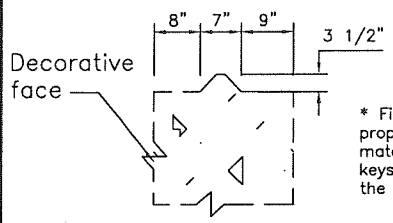
CONNECTION COLLAR
DETAIL



CONNECTION COLLAR
SECTION B-B

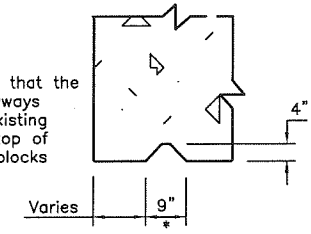


SECTION VIEW EXISTING DROP BOX
EAST END CULVERT
LOOKING NORTH



EXISTING KEY (MALE) DETAIL
IN PRECAST BLOCK

* Field verify that the proposed Keyways match the existing keys in the top of the precast blocks



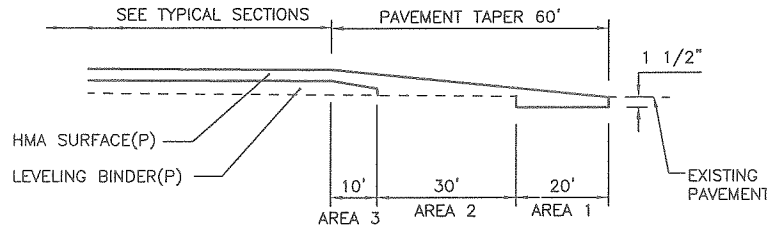
PROPOSED KEYWAY (FEMALE) DETAIL
IN SLAB

* Field verify that the proposed Keyways match the existing keys in the top of the precast blocks

Designed	JFS
Checked	PGS
Drawn	JLP
Checked	PGS/JFS

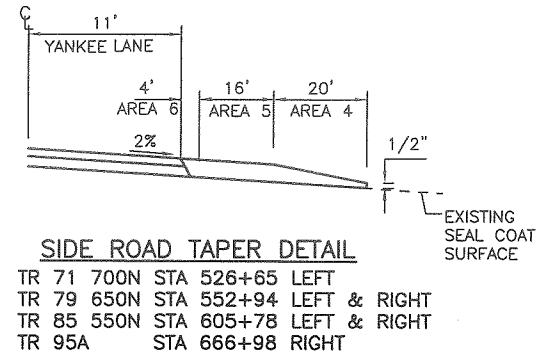
CULVERT DETAILS
YANKEE LANE CH 7, FAS RTE 1371
MARSHALL COUNTY
STA. 684+05
STRUCTURE NO. 3484
TRIBUTARY TO SENACHWINE CREEK

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

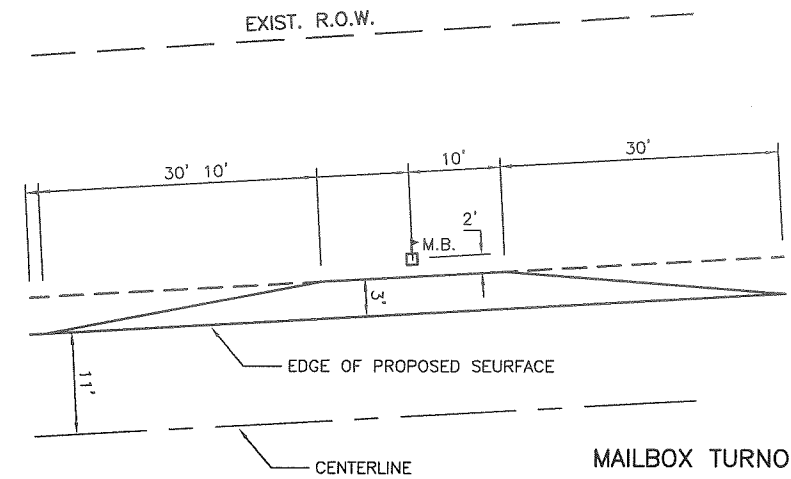


BUTT JOINT AND TAPER DETAIL
STA. 500+50 TO STA. 501+10
STA. 711+86 TO STA. 712+46

- AREA 1
REMOVE EXISTING SURFACE 1 1/2"
HMA MIX "C", N50 1 1/2' TO 2"
- AREA 2
HMA MIX "C", N50 1" TO 2 1/2"
- AREA 3
HMA MIX "C", N50 1 1/2"
LEVELING BINDER(MACHINE METHOD), IL-9.5 N50
1" TO 1 1/2"
- AREA 4
INCIDENTAL HMA SURFACE
AVG 1 1/2" (1/2" MIN TO 2" MIN, 3" MAX)
- AREA 5
INCIDENTAL HMA SURFACE
AVG 2 1/4" (2" MIN, 3" MAX)
- AREA 6
INCIDENTAL HMA SURFACE AT 2%
AVG 2 1/4" (2" MIN, 3" MAX)



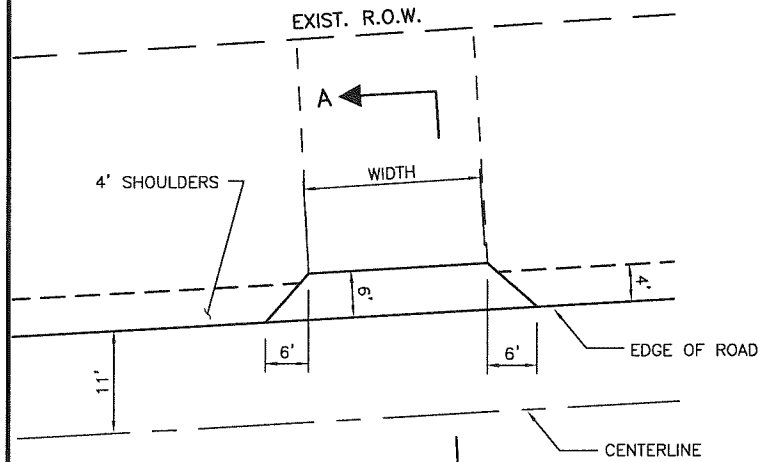
SIDE ROAD TAPER DETAIL
TR 71 700N STA 526+65 LEFT
TR 79 650N STA 552+94 LEFT & RIGHT
TR 85 550N STA 605+78 LEFT & RIGHT
TR 95A STA 666+98 RIGHT



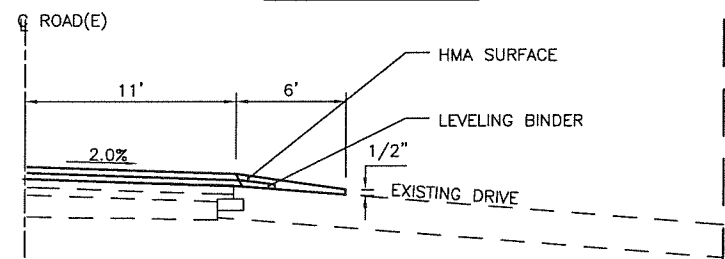
MAILBOX TURNOUT DETAIL

NOT:
MAILBOX NEXT TO HMA SHOULDER
DO NOT REQUIRE TURNOUT.

LOCATION	MILE MARKER	AREA SQ YD	LEVELING BINDER TON	HMA SURFACE TON
LT 541+14	0.78	16.7	1.4	1.4
RT 567+28	1.28	16.7	1.4	1.4
RT 588+70	1.68	16.7	1.4	1.4
		50	4	4



ENTRANCE DETAIL



**SECTION A-A
ENTRANCE DETAIL**

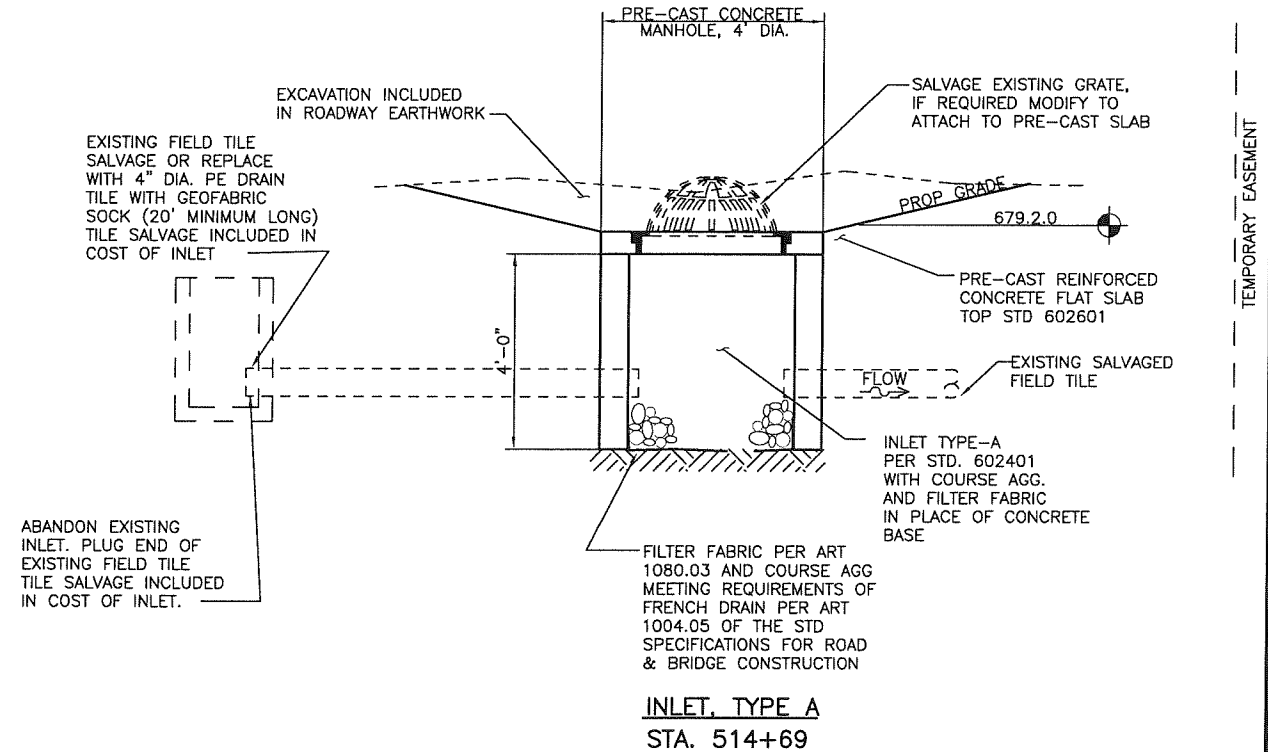
NOTE:

1. EXISTING HMA ENTRANCE ASPHALT TAPERS SHALL BE OVERLAIN WITH TOTAL ASPHALT THICKNESS THAT VARIES FROM 3" TO 1/2"±.

2. NEW ENTRANCES AND TURNOUTS OR ENTRANCES AND TURNOUTS NOT MEETING THE REQUIRED DIMENSIONS SHALL BE CORED OUT TO RECEIVE A MINIMUM OF 6" AGGREGATE BASE COURSE, TYPE B AND 3" HOT-MIX ASPHALT (HMA).

3. HMA QUANTITIES AND TURNOUTS ARE INCLUDED WITH MAIN LINE QUANTITIES, 40% BINDER AND 60% SURFACE COURSE.

ENTRANCES				LEVELING BINDER TON	HMA SURFACE TON	AGG BASE COURSE 6" SQ YD	MILE MARKER
LOCATION	SURFACE	WIDTH	SQ YD				
LT 501+97	GRAVEL	60	28.4	1.1	1.7	0	0.04
LT 504+52	GRAVEL	40	19.6	0.8	1.2	0	0.09
RT 524+25	GRAVEL	40	19.6	0.8	1.2	0	0.46
RT 528+50	GRAVEL	44	21.3	0.8	1.3	0	0.54
RT 529+41	ASPHALT	22	11.6	0.5	0.7	0	0.56
RT 539+91	FE GRAVEL	30	15.1	0.6	0.9	0	0.76
RT 541+17	GRAVEL	36	17.8	0.7	1.0	0	0.78
RT 565+91	FE DIRT	26	13.3	0.5	0.8	0	1.25
RT 567+43	GRAVEL	44	21.3	0.8	1.3	0	1.28
LT 568+98	FE GRAVEL	34	16.9	0.7	1.0	0	1.31
LT 570+81	GRAVEL	30	15.1	0.6	0.9	0	1.34
LT 584+19	FE DIRT	14	8.0	0.3	0.5	0	1.60
STATION EQ: 585+42 (BK) = 585+50 (AH)							
RT 586+55	GRAVEL	46	22.2	0.9	1.3	0	1.64
RT 588+14	GRAVEL	26	13.3	0.5	0.8	0	1.67
RT 623+88	FE GRAVEL	24	12.4	0.5	0.7	0	2.35
LT 627+36	FE DIRT	12	7.1	0.3	0.4	0	2.41
LT 639+10	FE DIRT	34	16.9	0.7	1.0	0	2.64
LT 642+91	GRAVEL	20	10.7	0.4	0.6	0	2.71
LT 645+54	GRAVEL	74	34.7	1.4	2.0	0	2.76
LT 648+95	FE DIRT	20	10.7	0.4	0.6	0	2.82
RT 651+27	GRAVEL	38	18.7	0.7	1.1	0	2.87
LT 662+30	FE GRAVEL	22	11.6	0.5	0.7	0	3.08
RT 675+66	GRAVEL	34	16.9	0.7	1.0	0	3.33
LT 675+79	FE DIRT	20	10.7	0.4	0.6	0	3.33
LT 680+64	GRAVEL	20	10.7	0.4	0.6	0	3.42
LT 683+24	GRAVEL	56	26.7	1.0	1.6	0	3.47
RT 684+14	ASPHALT	22	11.6	0.5	0.7	0	3.49
RT 686+83	ASPHALT	22	11.6	0.5	0.7	0	3.54
LT 686+98	DIRT	18	9.8	0.4	0.6	0	3.54
LT 688+82	FE DIRT	20	10.7	0.4	0.6	0	3.56
LT 691+94	FE DIRT	24	12.4	0.5	0.7	0	3.64
RT 695+58	GRAVEL	40	19.6	0.8	1.2	0	3.71
RT 696+48	CONCRETE	30	15.1	0.6	0.9	0	3.72
RT 697+17	CONCRETE	30	15.1	0.6	0.9	0	3.74
RT 698+44	FE DIRT	28	14.2	0.6	0.8	0	3.76
LT 710+83	FE GRAVEL	42	20.4	0.8	1.2	0	3.99
SUB TOTAL				562	22.7	33.8	0
UNIDENTIFIED ENTRANCE AGG BASE				60	2.5	1.7	60
TOTAL				622	25	35	60



**INLET TYPE A
STA. 514+69**

DESIGNED -- PGS	EXAMINED	DATE
CHECKED -- PGS	ACTING ENGINEER OF BRIDGE DESIGN	REVISED
DRAWN -- JLP	PASSED	REVISED
CHECKED -- PGS	ACTING ENGINEER OF BRIDGES AND STRUCTURES	

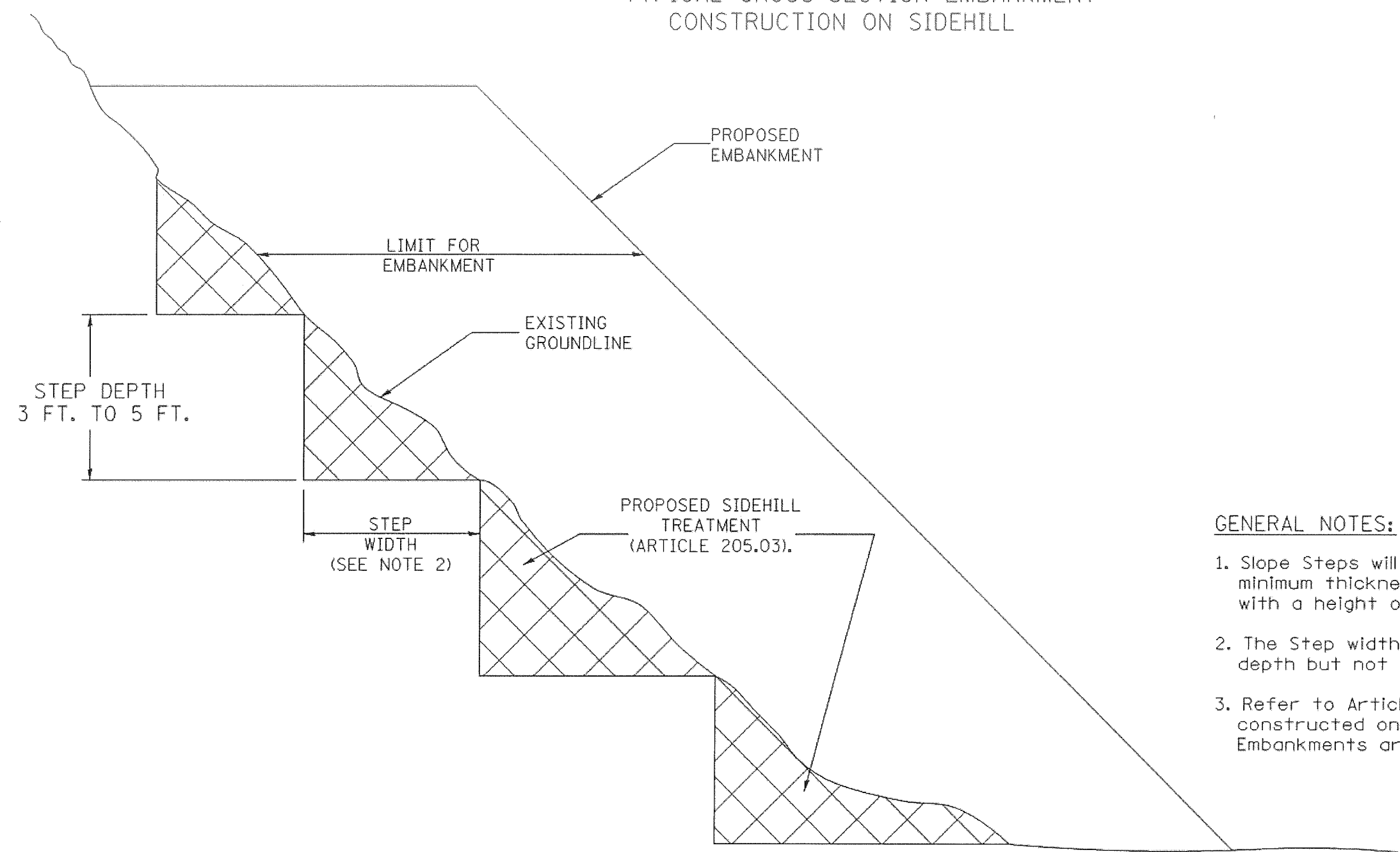
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	19
FED. ROAD DIST. NO. -	ILLINOIS	CONTRACT NO. 89462		

SLOPE STEPS DETAIL

TYPICAL CROSS-SECTION EMBANKMENT CONSTRUCTION ON SIDEHILL



DESIGNER NOTE:
 1. EACH PROJECT SHOULD BE REVIEWED INDEPENDENTLY FOR TREATMENT REQUIRED.
 2. REFER TO THIS DETAIL WITH NOTE ON APPLICABLE TYPICAL SECTIONS.

GENERAL NOTES:

1. Slope Steps will be required for all 12(300) minimum thickness "silver fills" and on a fills with a height of 10'(3.0m).
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 SPECIFICATION).

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

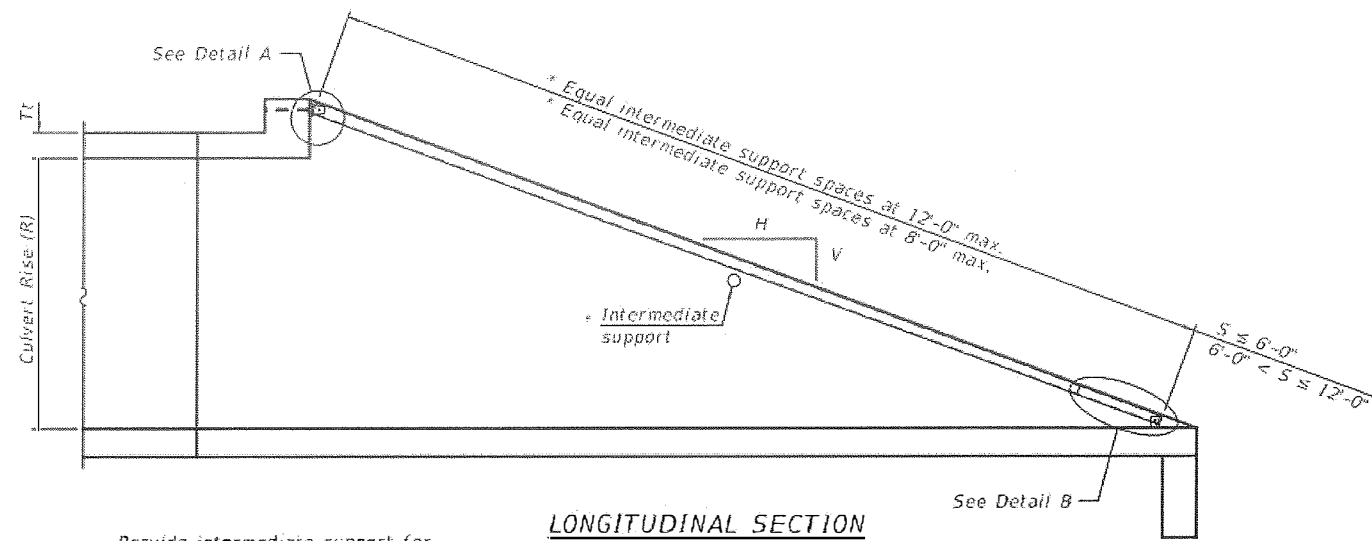
1-1-97	RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE	T.P.				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SLOPE STEPS DETAIL	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BOX, REVISED GENERAL NOTES.							1371	06-00089-00-RS		31	20
10-16-06	REVISED TO 2007 SPEC.	M.A.						FED. ROAD DIST. NO. _	ILLINOIS	CONTRACT NO. 89462		
								FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

NOT TO SCALE

CADD STD. 205001-04

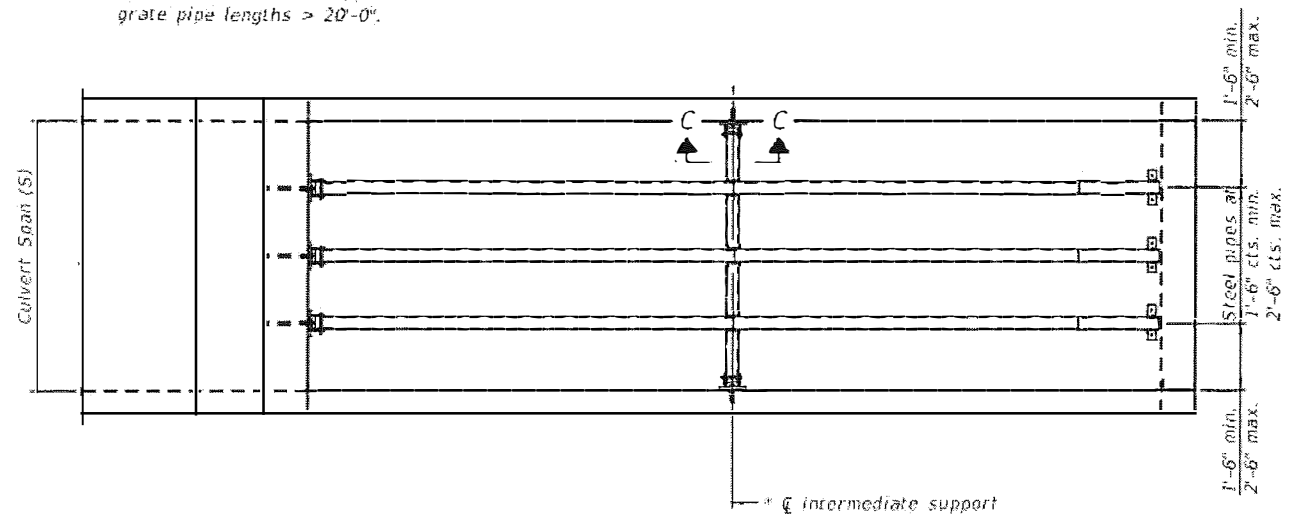
GENERAL NOTES

The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1 1/2" unless noted otherwise.
 This standard shall only be used on concrete end sections not skewed more than ±15 degrees with roadway.
 The Contractor may install the thru bolts using drilling and grouting in lieu of providing a formed hole using steel pipe. Installation shall be in accordance with Article 509.06 using a method that results in the annulus surrounding the bolt being completely filled with adhesive. The method of drilling shall not result in spalled concrete at the exit face. Epoxy grouted thru bolts shall be snug tightened followed by an additional 1/2 turn on the interior nut at final installation. Cost included with Traversable Pipe Grate.

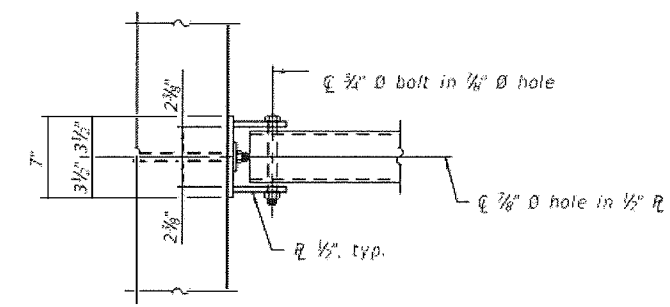


LONGITUDINAL SECTION

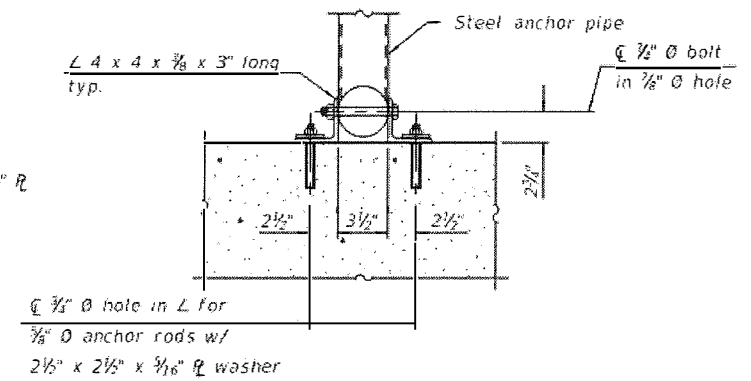
* Provide intermediate support for grate pipe lengths > 20'-0".



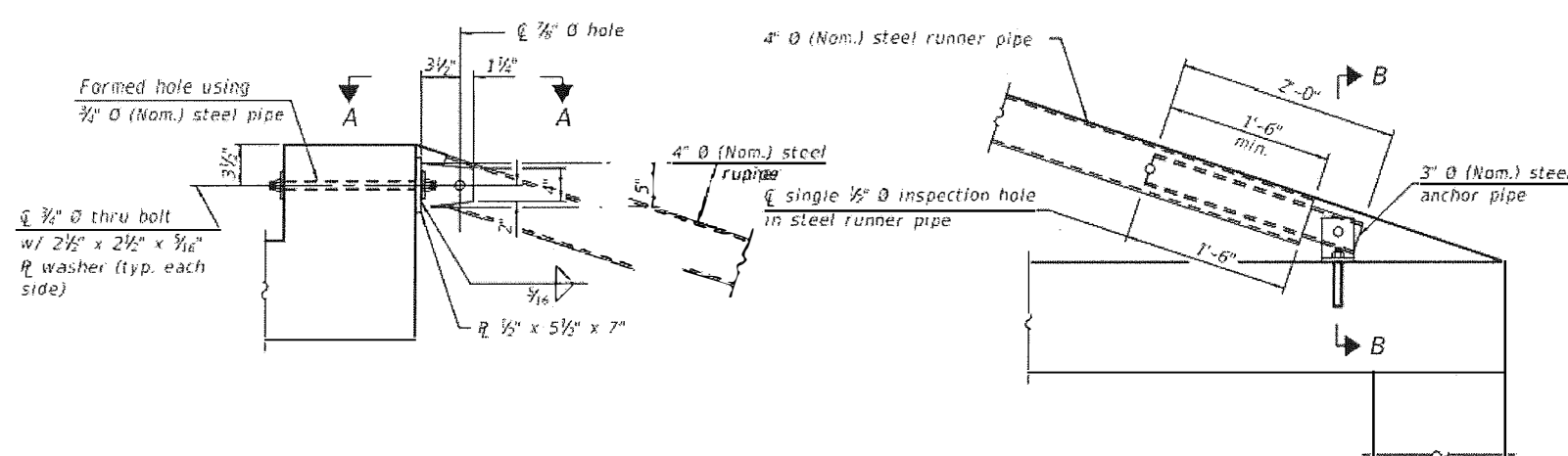
PLAN VIEW



VIEW A-A

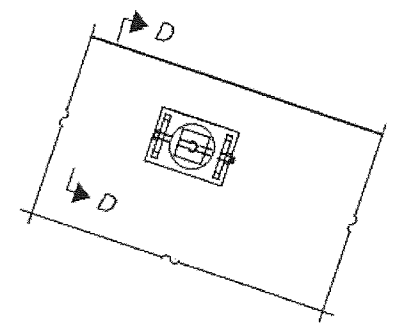


SECTION B-B

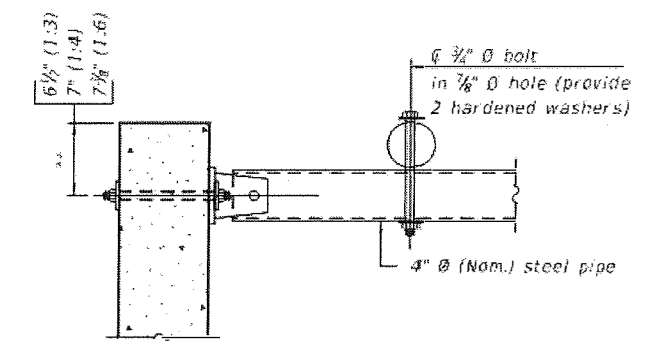


DETAIL A

DETAIL B



VIEW C-C
(See Detail A for dimensions and details not shown.)



SECTION D-D

Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.

TPGBC-ZS

2-17-2017

(Sheet 1 of 2)

DESIGNED — PGS	EXAMINED _____	DATE _____
CHECKED — PGS	PASSED _____	REVISED _____
DRAWN — JLP		REVISED _____
CHECKED — PGS		

TRAVERSABLE PIPE GRATE FOR BOX CULVERTS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	21
FED. ROAD DIST. NO. —		ILLINOIS CONTRACT NO. B9462		

PIPE-GRATE SCHEDULE FOR BOX CULVERT END SECTIONS

Precast Box Culvert Dimensions			Slope of End Section								
			1:3			1:4			1:6		
			Main Pipe No. / Length	Int. Support No. / Length	Total Length of Pipe	Main Pipe No. / Length	Int. Support No. / Length	Total Length of Pipe	Main Pipe No. / Length	Int. Support No. / Length	Total Length of Pipe
4	2	7.5	1 @ 8'-10"	N/A	8'-10"	1 @ 11'-7"	N/A	11'-7"	1 @ 17'-2"	N/A	17'-2"
4	2	5	1 @ 8'-2"	N/A	8'-2"	1 @ 10'-8"	N/A	10'-8"	1 @ 15'-11"	N/A	15'-11"
4	3	7.5	1 @ 12'-0"	N/A	12'-0"	1 @ 15'-8"	N/A	15'-8"	1 @ 23'-3"	1 @ 3'-7"	26'-10"
4	3	5	1 @ 11'-4"	N/A	11'-4"	1 @ 14'-10"	N/A	14'-10"	1 @ 22'-0"	1 @ 3'-7"	25'-7"
4	4	7.5	1 @ 15'-2"	N/A	15'-2"	1 @ 19'-10"	1 @ 3'-7"	23'-5"	1 @ 29'-4"	2 @ 3'-7"	36'-6"
4	4	5	1 @ 14'-6"	N/A	14'-6"	1 @ 18'-11"	N/A	18'-11"	1 @ 28'-1"	2 @ 3'-7"	35'-3"
5	2	8	1 @ 8'-11"	N/A	8'-11"	1 @ 11'-9"	N/A	11'-9"	1 @ 17'-5"	N/A	17'-5"
5	2	6	1 @ 8'-5"	N/A	8'-5"	1 @ 11'-1"	N/A	11'-1"	1 @ 16'-5"	N/A	16'-5"
5	3	8	1 @ 12'-1"	N/A	12'-1"	1 @ 15'-10"	N/A	15'-10"	1 @ 23'-6"	1 @ 4'-7"	28'-1"
5	3	6	1 @ 11'-7"	N/A	11'-7"	1 @ 15'-2"	N/A	15'-2"	1 @ 22'-6"	1 @ 4'-7"	27'-1"
5	4	8	1 @ 15'-3"	N/A	15'-3"	1 @ 20'-0"	1 @ 4'-7"	24'-7"	1 @ 29'-7"	2 @ 4'-7"	38'-9"
5	4	6	1 @ 14'-9"	N/A	14'-9"	1 @ 19'-3"	N/A	19'-3"	1 @ 28'-7"	2 @ 4'-7"	37'-9"
5	5	8	1 @ 18'-5"	N/A	18'-5"	1 @ 24'-1"	2 @ 4'-7"	33'-3"	1 @ 35'-8"	3 @ 4'-7"	49'-5"
5	5	6	1 @ 17'-11"	N/A	17'-11"	1 @ 23'-5"	1 @ 4'-7"	26'-0"	1 @ 34'-8"	2 @ 4'-7"	43'-10"
6	2	8	2 @ 8'-11"	N/A	17'-10"	2 @ 11'-9"	N/A	23'-6"	2 @ 17'-5"	N/A	34'-10"
6	2	7	2 @ 8'-8"	N/A	17'-4"	2 @ 11'-5"	N/A	22'-10"	2 @ 16'-11"	N/A	33'-10"
6	3	8	2 @ 12'-1"	N/A	24'-2"	2 @ 15'-10"	N/A	31'-8"	2 @ 23'-6"	1 @ 5'-7"	52'-7"
6	3	7	2 @ 11'-10"	N/A	23'-8"	2 @ 15'-6"	N/A	31'-0"	2 @ 23'-0"	1 @ 5'-7"	51'-7"
6	4	8	2 @ 15'-3"	N/A	30'-6"	2 @ 20'-0"	1 @ 5'-7"	45'-7"	2 @ 29'-7"	2 @ 5'-7"	70'-4"
6	4	7	2 @ 15'-0"	N/A	30'-0"	2 @ 19'-8"	1 @ 5'-7"	44'-11"	2 @ 29'-1"	2 @ 5'-7"	69'-4"
6	5	8	2 @ 18'-5"	N/A	36'-10"	2 @ 24'-1"	2 @ 5'-7"	59'-4"	2 @ 35'-8"	3 @ 5'-7"	88'-1"
6	5	7	2 @ 18'-2"	N/A	36'-4"	2 @ 23'-9"	2 @ 5'-7"	58'-8"	2 @ 35'-2"	2 @ 5'-7"	81'-6"
6	6	8	2 @ 21'-7"	1 @ 5'-7"	48'-9"	2 @ 28'-3"	2 @ 5'-7"	67'-8"	2 @ 41'-9"	3 @ 5'-7"	100'-3"
6	6	7	2 @ 21'-4"	1 @ 5'-7"	48'-3"	2 @ 27'-11"	2 @ 5'-7"	67'-0"	2 @ 41'-3"	3 @ 5'-7"	99'-3"
7	2	8	2 @ 8'-11"	N/A	17'-10"	2 @ 11'-9"	N/A	23'-6"	2 @ 17'-5"	N/A	34'-10"
7	3	8	2 @ 12'-1"	N/A	24'-2"	2 @ 15'-10"	N/A	31'-8"	2 @ 23'-6"	2 @ 6'-7"	60'-2"
7	4	8	2 @ 15'-3"	N/A	30'-6"	2 @ 20'-0"	2 @ 6'-7"	53'-2"	2 @ 29'-7"	3 @ 6'-7"	78'-11"
7	5	8	2 @ 18'-5"	N/A	36'-10"	2 @ 24'-1"	3 @ 6'-7"	67'-11"	2 @ 35'-8"	4 @ 6'-7"	97'-8"
7	6	8	2 @ 21'-7"	2 @ 6'-7"	56'-4"	2 @ 28'-3"	3 @ 6'-7"	76'-3"	2 @ 41'-9"	5 @ 6'-7"	116'-5"
7	7	8	2 @ 24'-9"	3 @ 6'-7"	69'-3"	2 @ 32'-4"	4 @ 6'-7"	91'-0"	2 @ 47'-10"	6 @ 6'-7"	135'-2"
8	2	8	3 @ 8'-11"	N/A	26'-9"	3 @ 11'-9"	N/A	35'-3"	3 @ 17'-5"	N/A	52'-3"
8	3	8	3 @ 12'-1"	N/A	36'-3"	3 @ 15'-10"	N/A	47'-6"	3 @ 23'-6"	2 @ 7'-7"	85'-8"
8	4	8	3 @ 15'-3"	N/A	45'-9"	3 @ 20'-0"	2 @ 7'-7"	75'-2"	3 @ 29'-7"	3 @ 7'-7"	111'-6"
8	5	8	3 @ 18'-5"	N/A	55'-3"	3 @ 24'-1"	3 @ 7'-7"	95'-0"	3 @ 35'-8"	4 @ 7'-7"	137'-4"
8	6	8	3 @ 21'-7"	2 @ 7'-7"	79'-11"	3 @ 28'-3"	3 @ 7'-7"	107'-6"	3 @ 41'-9"	5 @ 7'-7"	163'-2"
8	7	8	3 @ 24'-9"	3 @ 7'-7"	97'-0"	3 @ 32'-4"	4 @ 7'-7"	127'-4"	3 @ 47'-10"	6 @ 7'-7"	189'-0"
8	8	8	3 @ 27'-11"	3 @ 7'-7"	106'-6"	3 @ 36'-6"	4 @ 7'-7"	139'-10"	3 @ 53'-11"	6 @ 7'-7"	207'-3"
9	2	9	3 @ 9'-3"	N/A	27'-9"	3 @ 12'-1"	N/A	36'-3"	3 @ 17'-11"	N/A	53'-9"
9	3	9	3 @ 12'-4"	N/A	37'-0"	3 @ 16'-2"	N/A	48'-6"	3 @ 24'-0"	3 @ 8'-7"	97'-9"
9	4	9	3 @ 15'-6"	N/A	46'-6"	3 @ 20'-4"	2 @ 8'-7"	78'-2"	3 @ 30'-1"	3 @ 8'-7"	116'-0"
9	5	9	3 @ 18'-8"	N/A	56'-0"	3 @ 24'-5"	3 @ 8'-7"	99'-0"	3 @ 36'-2"	4 @ 8'-7"	142'-10"
9	6	9	3 @ 21'-10"	2 @ 8'-7"	82'-8"	3 @ 28'-7"	3 @ 8'-7"	111'-6"	3 @ 42'-3"	5 @ 8'-7"	169'-8"
9	7	9	3 @ 25'-0"	3 @ 8'-7"	100'-9"	3 @ 32'-8"	4 @ 8'-7"	132'-4"	3 @ 48'-4"	6 @ 8'-7"	196'-6"
9	8	9	3 @ 28'-2"	3 @ 8'-7"	110'-3"	3 @ 36'-10"	4 @ 8'-7"	144'-10"	3 @ 54'-5"	6 @ 8'-7"	214'-9"
9	9	9	3 @ 31'-4"	3 @ 8'-7"	119'-9"	3 @ 40'-11"	5 @ 8'-7"	165'-8"	3 @ 60'-6"	7 @ 8'-7"	241'-7"
10	2	10	3 @ 9'-6"	N/A	28'-6"	3 @ 12'-5"	N/A	37'-3"	3 @ 18'-5"	N/A	55'-3"
10	3	10	3 @ 12'-8"	N/A	38'-0"	3 @ 16'-6"	N/A	49'-6"	3 @ 24'-6"	3 @ 9'-7"	102'-3"
10	4	10	3 @ 15'-10"	N/A	47'-6"	3 @ 20'-8"	2 @ 9'-7"	81'-2"	3 @ 30'-7"	3 @ 9'-7"	120'-6"
10	5	10	3 @ 19'-0"	N/A	57'-0"	3 @ 24'-9"	3 @ 9'-7"	103'-0"	3 @ 36'-8"	4 @ 9'-7"	148'-4"
10	6	10	3 @ 22'-1"	2 @ 9'-7"	85'-5"	3 @ 28'-11"	3 @ 9'-7"	115'-6"	3 @ 42'-9"	5 @ 9'-7"	176'-2"
10	7	10	3 @ 25'-3"	3 @ 9'-7"	104'-6"	3 @ 33'-0"	4 @ 9'-7"	137'-4"	3 @ 48'-10"	6 @ 9'-7"	204'-0"
10	8	10	3 @ 28'-5"	3 @ 9'-7"	114'-0"	3 @ 37'-2"	4 @ 9'-7"	149'-10"	3 @ 54'-11"	6 @ 9'-7"	222'-3"
10	9	10	3 @ 31'-7"	4 @ 9'-7"	133'-1"	3 @ 41'-3"	5 @ 9'-7"	171'-8"	3 @ 61'-0"	7 @ 9'-7"	250'-1"
10	10	10	3 @ 34'-9"	4 @ 9'-7"	142'-7"	3 @ 45'-5"	5 @ 9'-7"	184'-2"	3 @ 67'-1"	8 @ 9'-7"	277'-11"
11	2	11	4 @ 9'-9"	N/A	39'-0"	4 @ 12'-9"	N/A	51'-0"	4 @ 18'-11"	N/A	75'-8"
11	3	11	4 @ 12'-11"	N/A	51'-8"	4 @ 16'-11"	N/A	67'-8"	4 @ 25'-0"	3 @ 10'-7"	131'-9"
11	4	11	4 @ 16'-1"	N/A	64'-4"	4 @ 21'-0"	2 @ 10'-7"	105'-2"	4 @ 31'-1"	3 @ 10'-7"	156'-1"
11	6	11	4 @ 22'-5"	2 @ 10'-7"	110'-10"	4 @ 29'-3"	3 @ 10'-7"	148'-9"	4 @ 43'-3"	5 @ 10'-7"	225'-11"
11	8	11	4 @ 28'-9"	3 @ 10'-7"	146'-9"	4 @ 37'-6"	4 @ 10'-7"	192'-4"	4 @ 55'-5"	6 @ 10'-7"	285'-2"
11	10	11	4 @ 35'-0"	4 @ 10'-7"	182'-4"	4 @ 45'-9"	5 @ 10'-7"	235'-11"	4 @ 67'-7"	8 @ 10'-7"	355'-0"
11	11	11	4 @ 38'-2"	4 @ 10'-7"	195'-0"	4 @ 49'-10"	6 @ 10'-7"	262'-10"	4 @ 73'-8"	9 @ 10'-7"	389'-11"
12	2	12	4 @ 10'-0"	N/A	40'-0"	4 @ 13'-1"	N/A	52'-4"	4 @ 19'-5"	N/A	77'-8"
12	3	12	4 @ 13'-2"	N/A	52'-8"	4 @ 17'-3"	N/A	69'-0"	4 @ 25'-6"	3 @ 11'-7"	136'-9"
12	4	12	4 @ 16'-4"	N/A	65'-4"	4 @ 21'-4"	2 @ 11'-7"	108'-6"	4 @ 31'-7"	4 @ 11'-7"	172'-8"
12	6	12	4 @ 22'-8"	2 @ 11'-7"	113'-10"	4 @ 29'-7"	3 @ 11'-7"	153'-1"	4 @ 43'-9"	5 @ 11'-7"	232'-11"
12	8	12	4 @ 29'-0"	3 @ 11'-7"	150'-9"	4 @ 37'-10"	4 @ 11'-7"	197'-8"	4 @ 55'-11"	7 @ 11'-7"	304'-9"
12	10	12	4 @ 35'-4"	4 @ 11'-7"	187'-8"	4 @ 46'-1"	5 @ 11'-7"	242'-3"	4 @ 68'-1"	8 @ 11'-7"	365'-0"
12	12	12	4 @ 41'-8"	5 @ 11'-7"	224'-7"	4 @ 54'-4"	6 @ 11'-7"	286'-10"	4 @ 80'-3"	10 @ 11'-7"	436'-10"

(Sheet 2 of 2)

DESIGNER - PGS
 CHECKED - PGS
 DRAWN - JLP
 CHECKED - PCS

EXAMINED _____
 PASSED _____

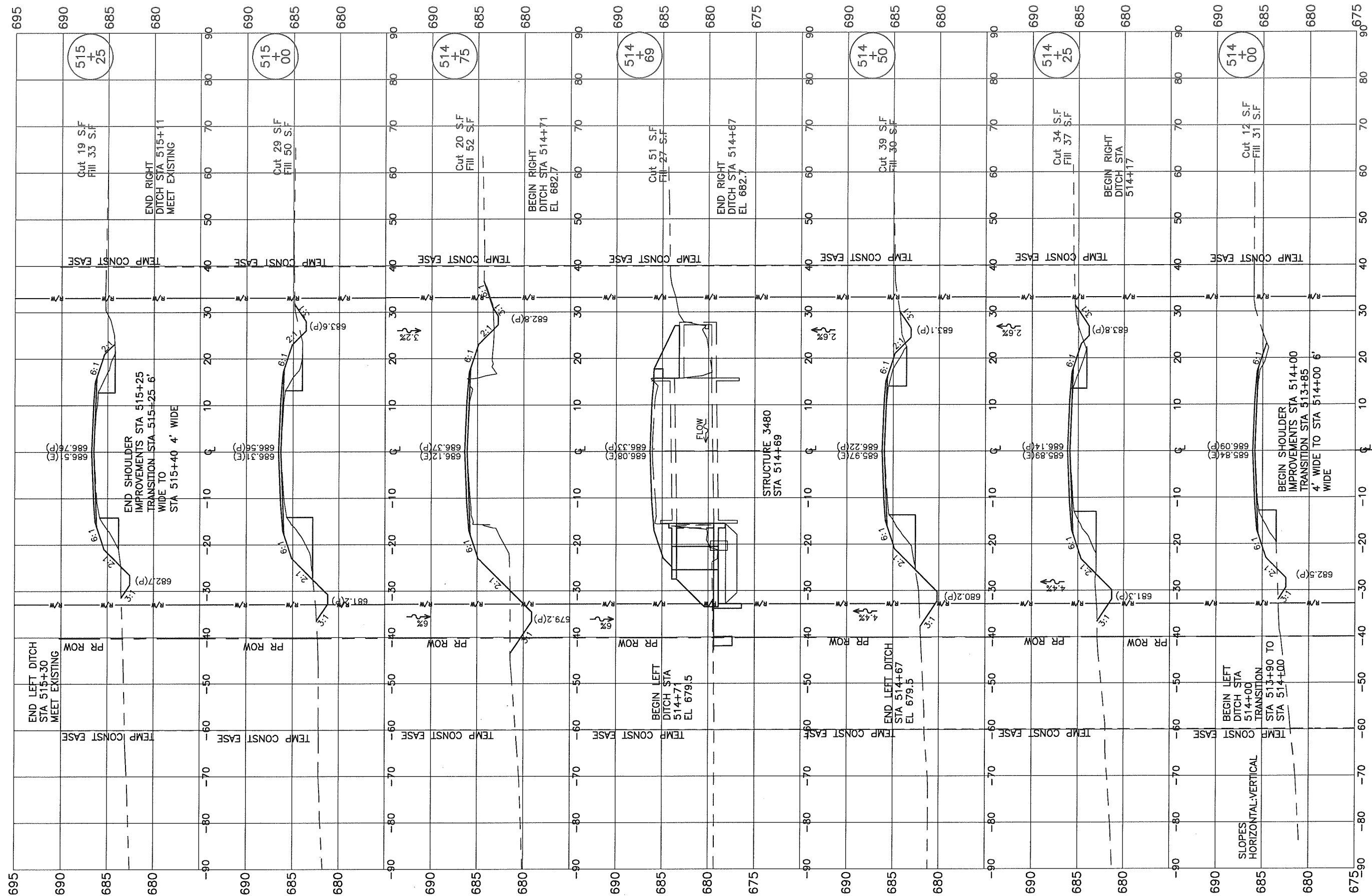
DATE _____
 REVISED _____
 REVISED _____

TRAVERSABLE PIPE GRATE FOR BOX CULVERTS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	22
FED. ROAD DIST. NO. -		ILLINOIS CONTRACT NO. 89462		

FINAL SURVEY	DATE
PLANTED	BY
NOTE BOOK	
AREAS CHECKED	
NO.	

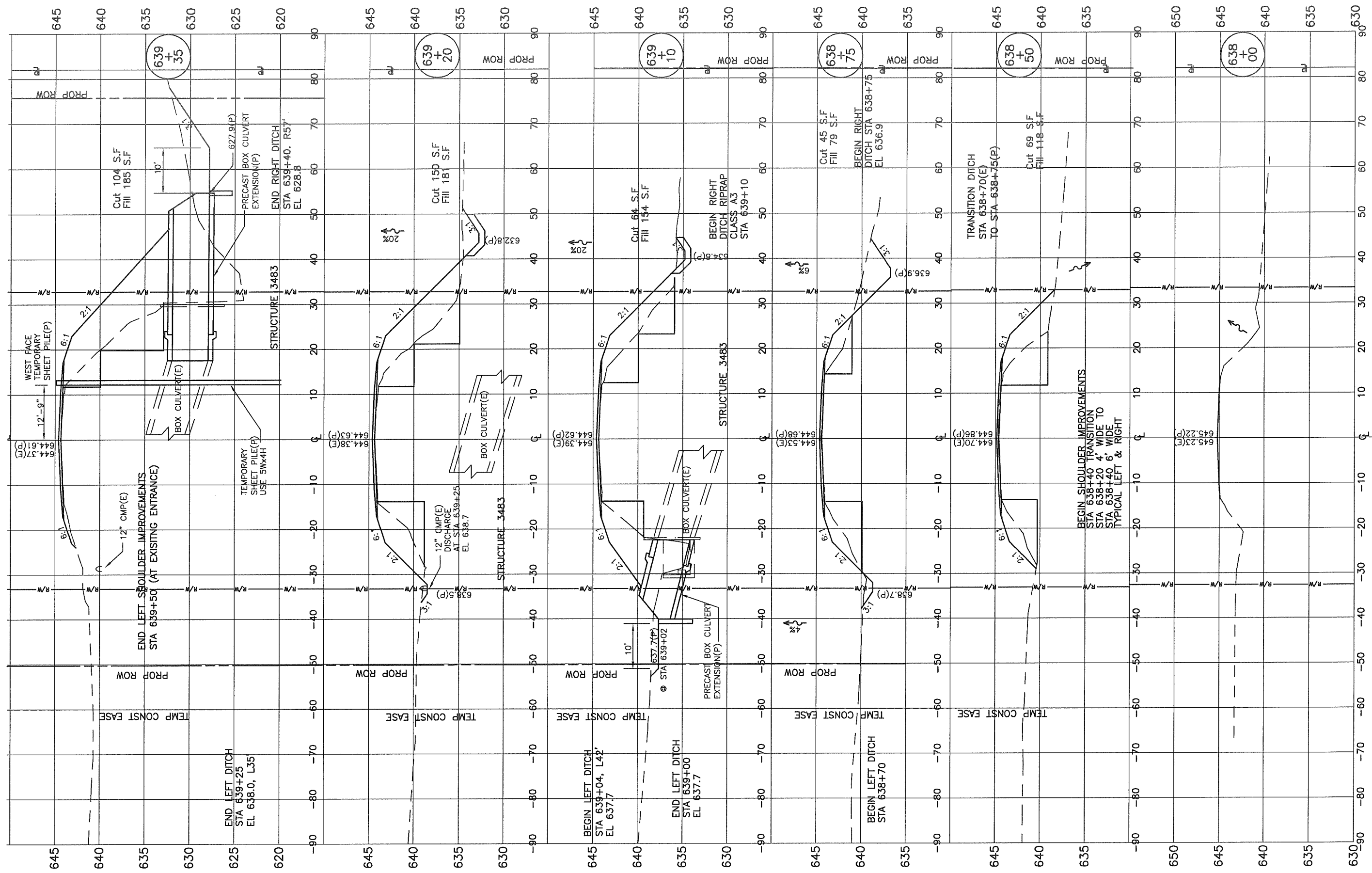
ORIGINAL SURVEY	DATE
PLANTED	BY
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =	USER NAME	DESIGNED PGS	REVISD	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS YANKEE LANE	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
MODEL NAME	DESIGNED PGS	REVISD	1371			06-00089-00-RS	MARSHALL	31	23		
	PLOT SCALE	DRAWN JLP	REVISD			SCALE: H:1"=10' V:1"=5' SHEET x OF x SHEETS STA. 514+00 TO STA. 515+25					
	PLOT DATE	CHECKED PGS	REVISD			FED. ROAD DIST. NO. ILLINOIS CONTRACT NO. 89462					

FINAL SURVEY	DATE
QUANDED	BY
PLOTTED	
TEMPLATE	
NOTE BOOK	

ORIGINAL SURVEY	DATE
QUANDED	BY
PLOTTED	
TEMPLATE	
NOTE BOOK	



FILE NAME =
 MODEL NAME

USER NAME	DESIGNED PGS	REVISED
PLOT SCALE	CHECKED PGS	REVISED
PLOT DATE	DRAWN JLP	REVISED
	CHECKED PGS	REVISED

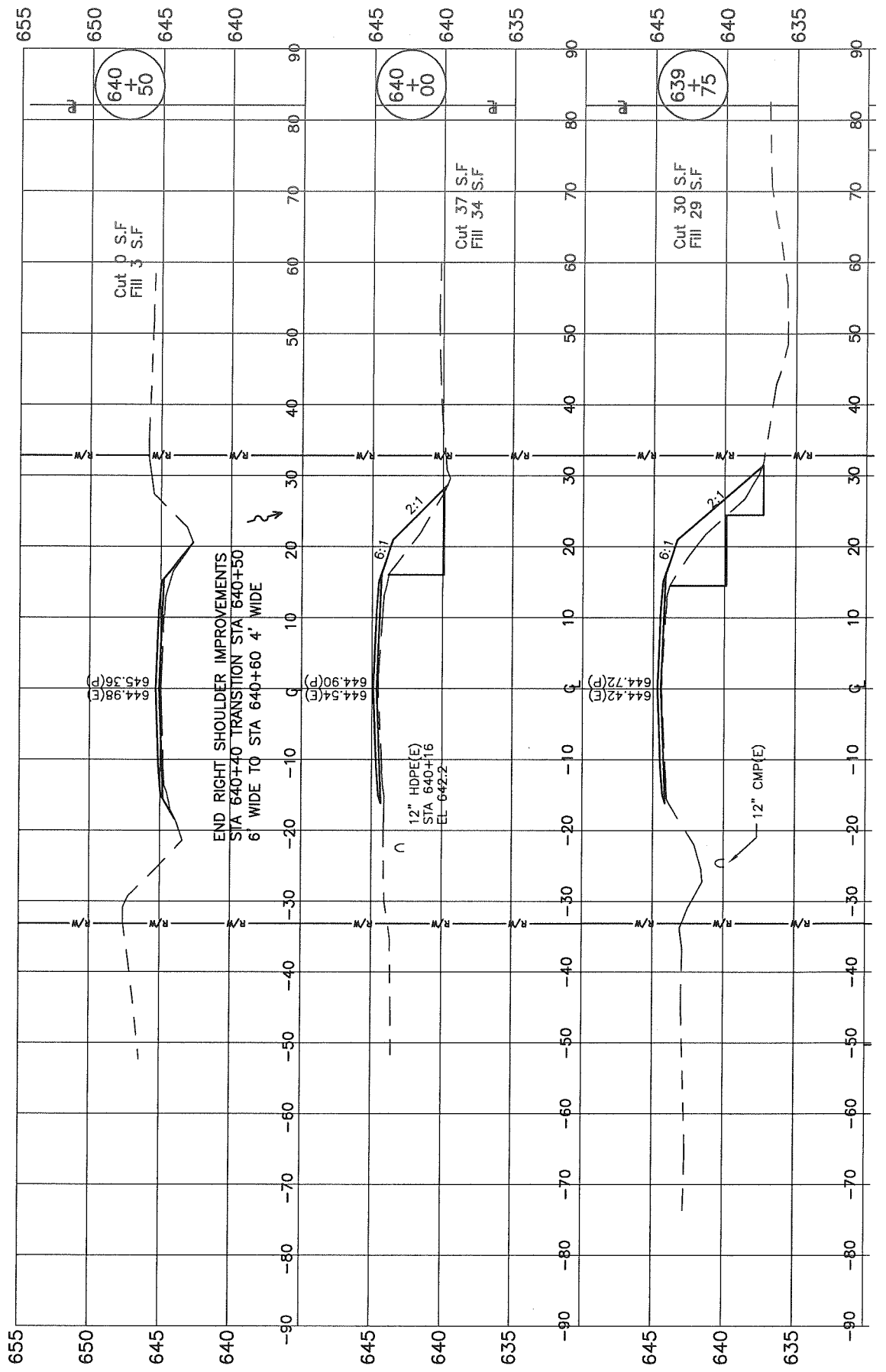
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 YANKEE LANE
 SCALE: H:1"=10' V:1"=5' SHEET x OF x SHEETS STA. 638+00 TO STA. 639+35

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	24
FED. ROAD DIST. NO. _		ILLINOIS	CONTRACT NO. 89462	

FINAL SURVEY NOTE BOOK	BY	DATE

ORIGINAL SURVEY NOTE BOOK	BY	DATE



FILE NAME =	USER NAME	DESIGNED PGS	REVISIONS
MODEL NAME	PLOT SCALE	CHECKED PGS	REVISIONS
	PLOT DATE	DRAWN JLP	REVISIONS
		CHECKED PGS	REVISIONS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

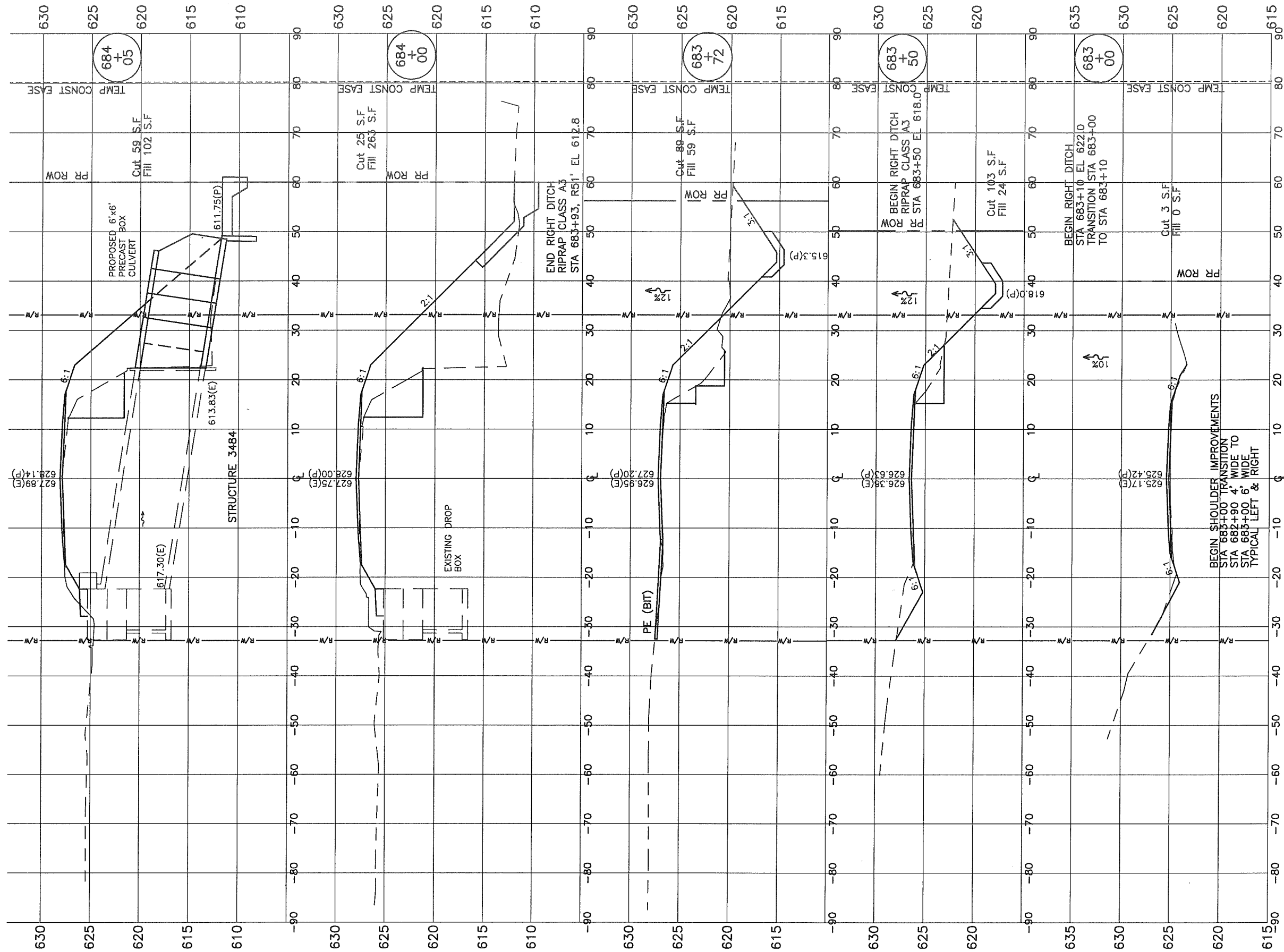
CROSS SECTIONS
 YANKEE LANE

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	25

SCALE: H:1"=10' V:1"=5' SHEET x OF x SHEETS STA. 638+75 TO STA. 640+50 FED. ROAD DIST. NO. ILLINOIS CONTRACT NO. 89462

FINAL SURVEY	DATE
BY	
SURVEYED	
NOTED	
PLATE	
AREAS	
CHECKED	
NO.	

ORIGINAL SURVEY	DATE
BY	
SURVEYED	
NOTED	
PLATE	
AREAS	
CHECKED	
NO.	



FILE NAME =	USER NAME	DESIGNED PGS	REVISED
MODEL NAME	PLOT SCALE	CHECKED PGS	REVISED
	PLOT DATE	DRAWN JLP	REVISED
		CHECKED PGS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

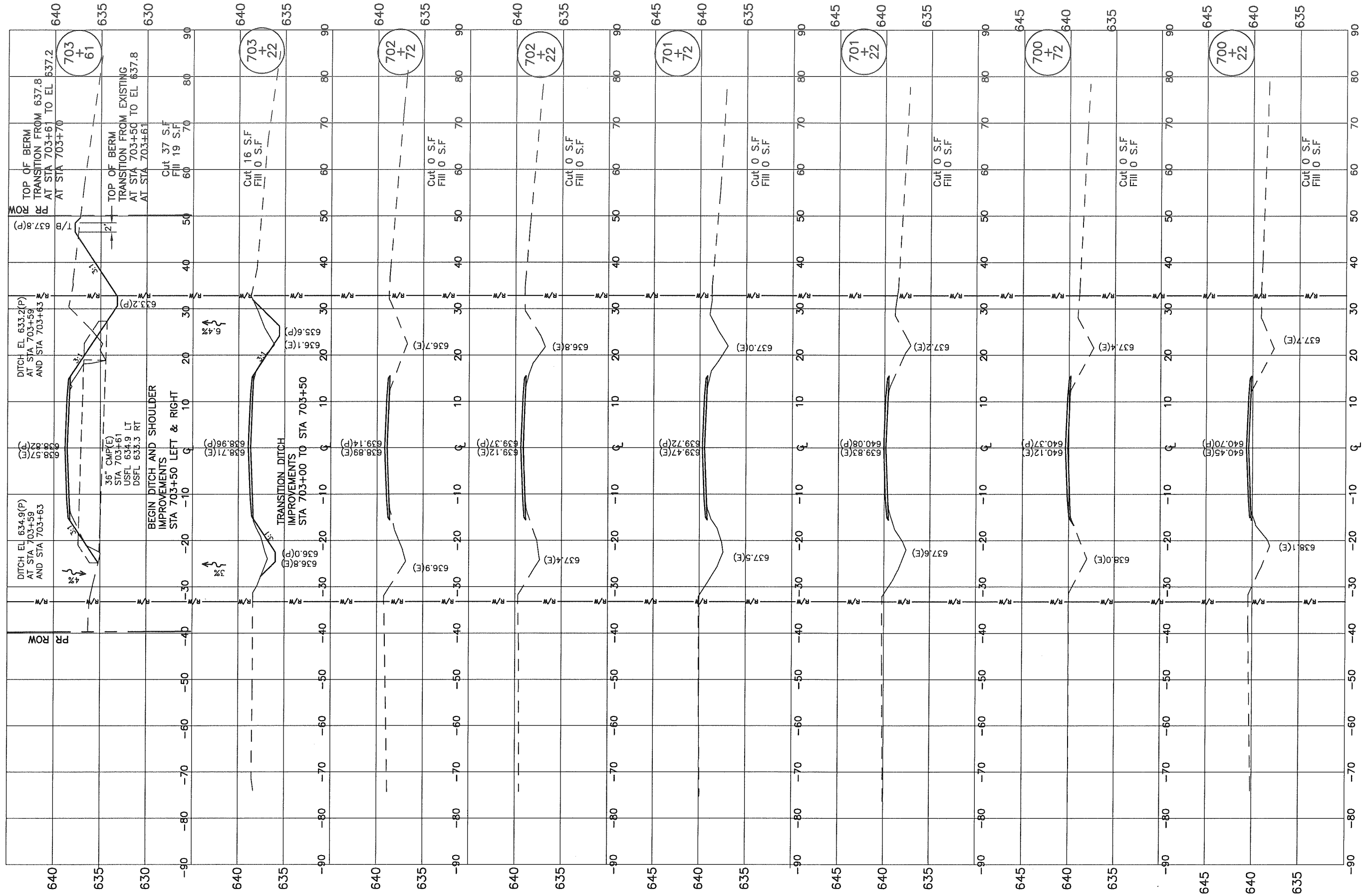
CROSS SECTIONS
YANKEE LANE

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	26

SCALE: H:1"=10' V:1"=5' SHEET x OF x SHEETS (STA. 683+00 TO STA. 684+05) FED. ROAD DIST. NO. ILLINOIS CONTRACT NO. 89462

FINAL SURVEY NO.	BY	DATE
SUBMITTED		
PLOTTED		
TEMPLATE		
AREAS CHECKED		

ORIGINAL SURVEY NO.	BY	DATE
SUBMITTED		
PLOTTED		
TEMPLATE		
AREAS CHECKED		



FILE NAME =
MODEL NAME

USER NAME	DESIGNED PGS	REVISED
PLOT SCALE	CHECKED PGS	REVISED
PLOT DATE	DRAWN JLP	REVISED
	CHECKED PGS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

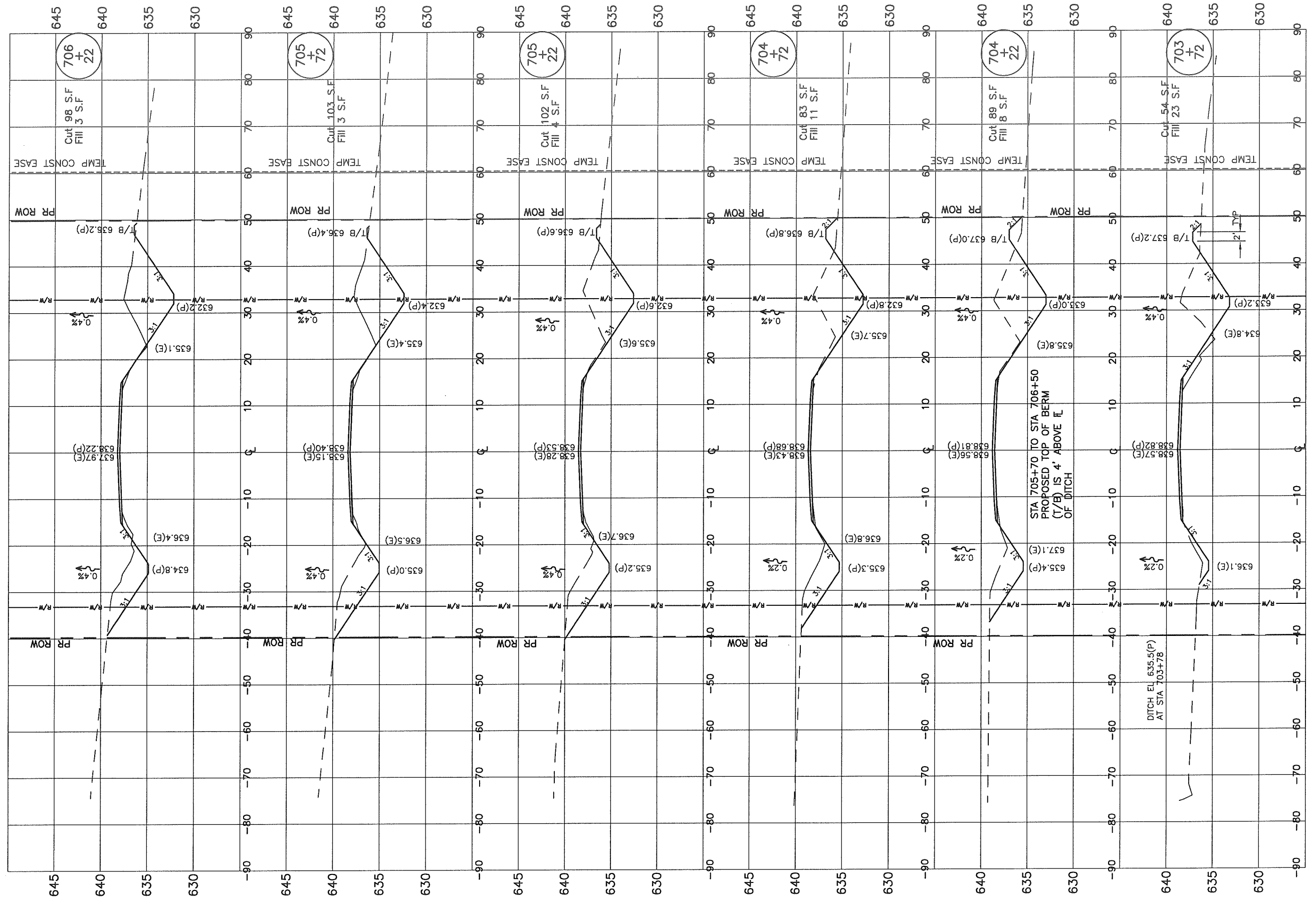
CROSS SECTIONS
YANKEE LANE
SCALE: H:1"=10' V:1"=5' SHEET x OF x SHEETS | STA. 700+22 TO STA. 703+61

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	28

FED. ROAD DIST. NO. ILLINOIS CONTRACT NO. 89462

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

ORIGINAL SURVEY	DATE
SURVEY	BY
NOTE BOOK	
AREAS	
AREAS CHECKED	
NO.	



FILE NAME =	USER NAME
MODEL NAME	DESIGNED PGS
	CHECKED PGS
	DRAWN JLP
	CHECKED PGS
	REVISED
	REVISED
	REVISED
	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

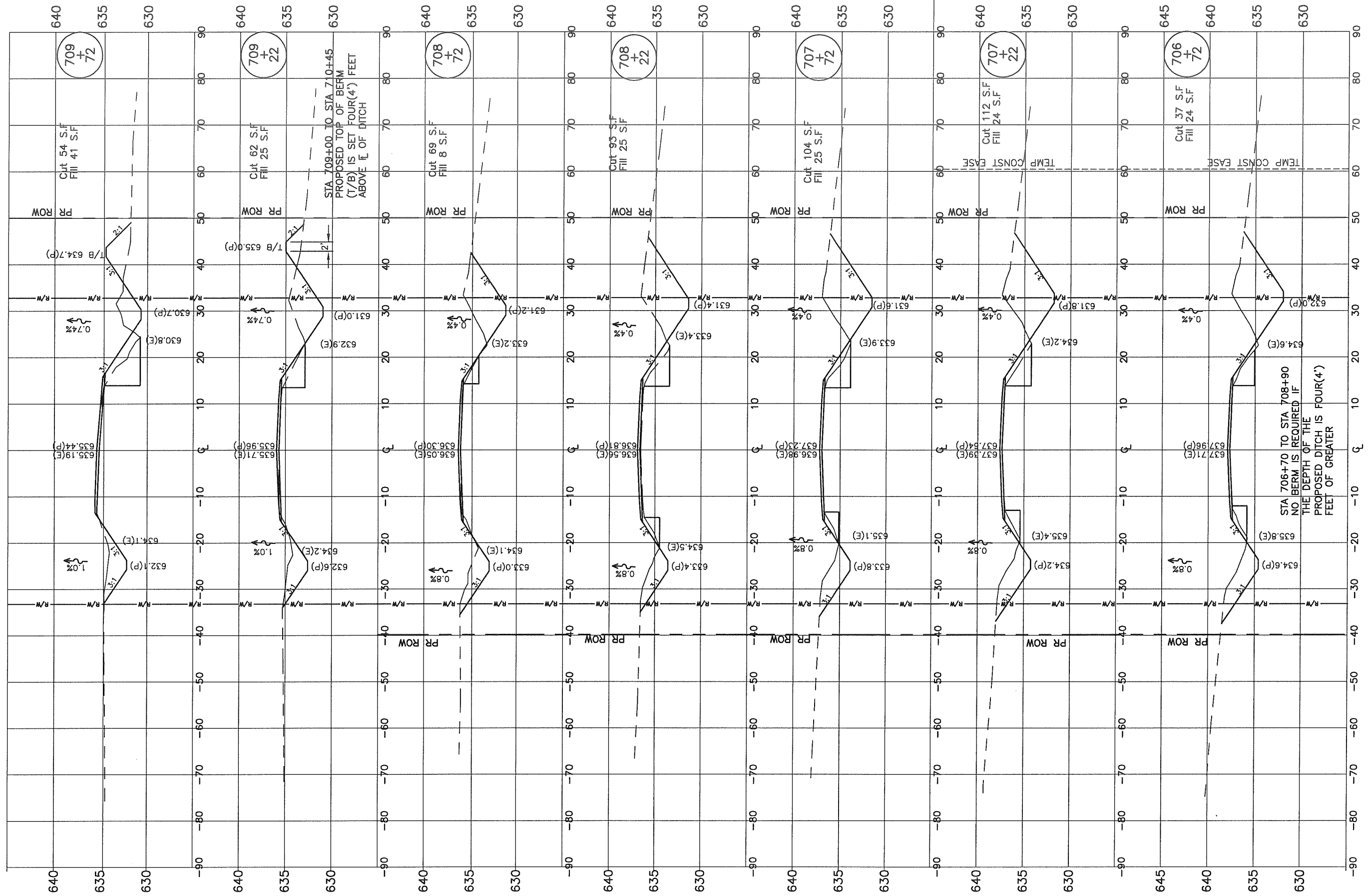
CROSS SECTIONS
YANKEE LANE

SCALE: H:1"=10' V:1"=5' SHEET x OF x SHEETS STA. 703+72 TO STA. 706+22

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	29
ILLINOIS		CONTRACT NO. 89462		

FINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
NO.	
AREAS CHECKED	

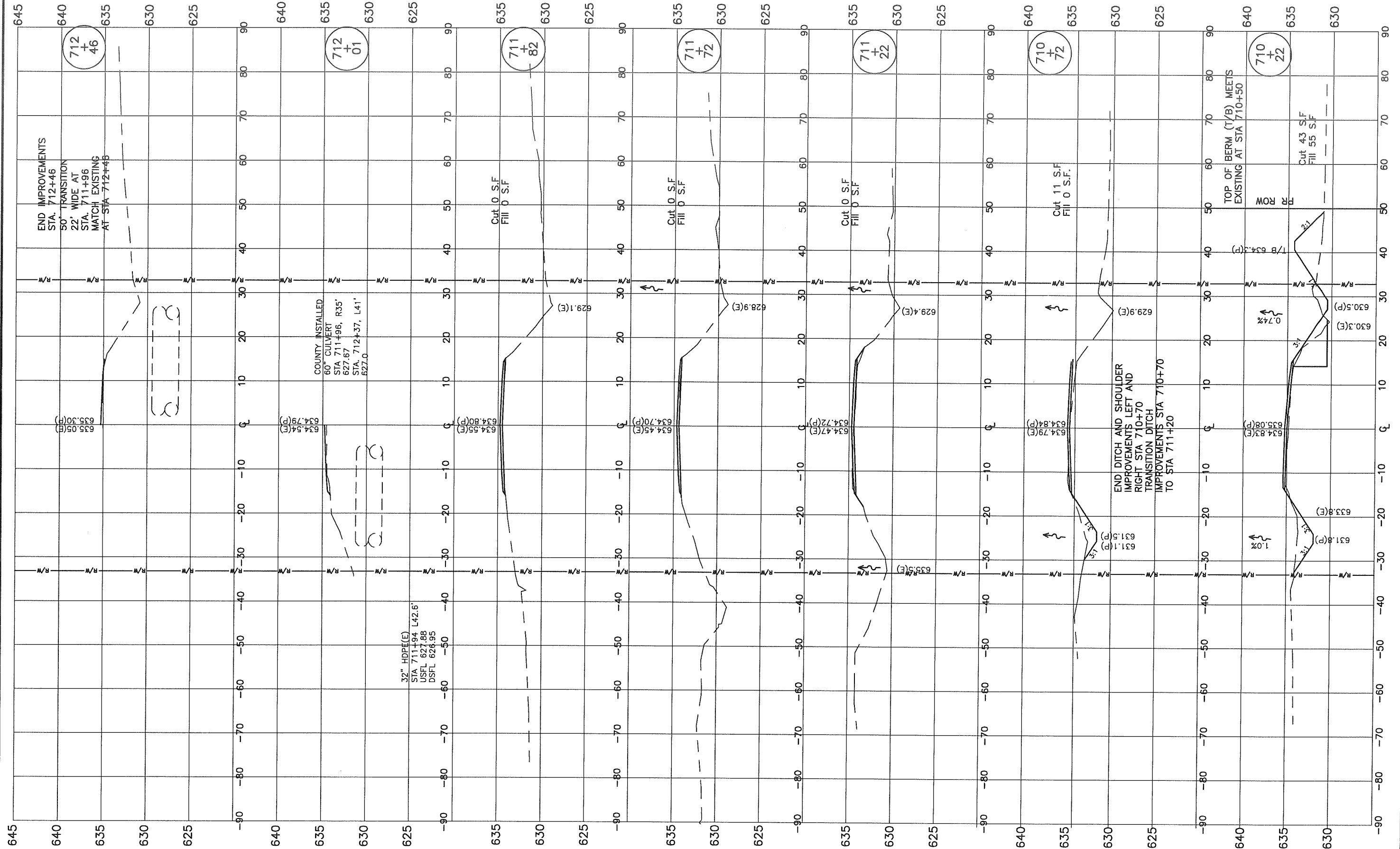
ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
NO.	
AREAS CHECKED	



FILE NAME =	USER NAME	DESIGNED PGS	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS YANKEE LANE	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
MODEL NAME	PLOT SCALE	DRAWN JLP	REVISED			1371	06-00089-00-RS	MARSHALL	31	30	
	PLOT DATE	CHECKED PGS	REVISED			SCALE: H:1"=10' V:1"=5' SHEET x OF x SHEETS STA. 706+72 TO STA. 709+72					
						FED. ROAD DIST. NO. ILLINOIS CONTRACT NO. 89462					

DATE	BY
SUBMITTED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	BY
SUBMITTED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =
MODEL NAME

USER NAME	DESIGNED PGS	REVISED
PLOT SCALE	CHECKED PGS	REVISED
PLOT DATE	DRAWN JLP	REVISED
	CHECKED PGS	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
YANKEE LANE

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1371	06-00089-00-RS	MARSHALL	31	31