

04-27-12 LETTING ITEM 141

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 623 (U.S. ROUTE 6)
SECTION (G-1) BR-2
PROJECT: F-0623(030)
SUPERSTRUCTURE REPLACEMENT
LASALLE COUNTY

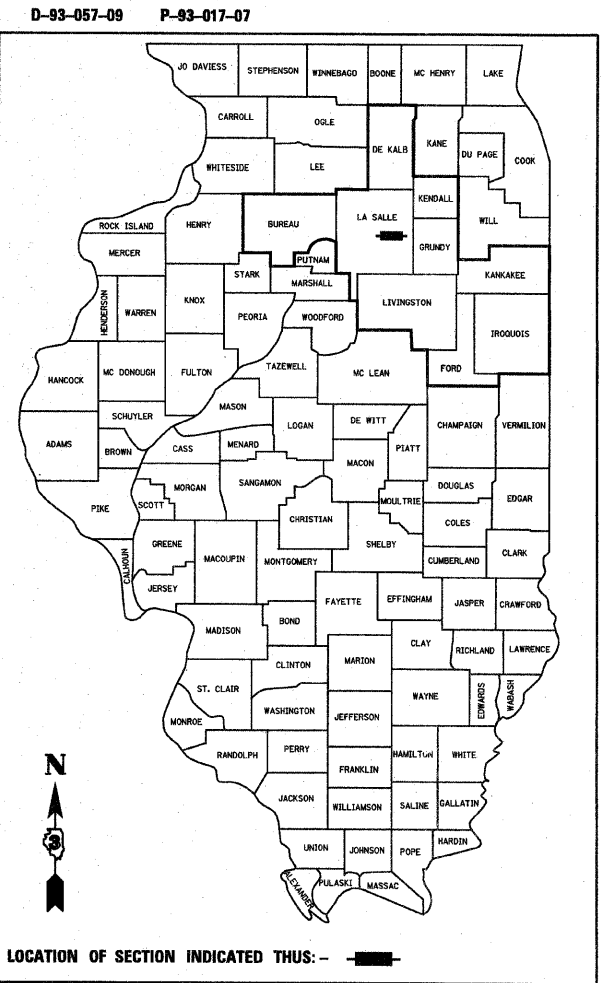
C-93-125-09

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G-1) BR-2	LASALLE	48	1
ILLINOIS CONTRACT NO. 66972			* 48 + 1 = 49	

INDEX OF SHEETS

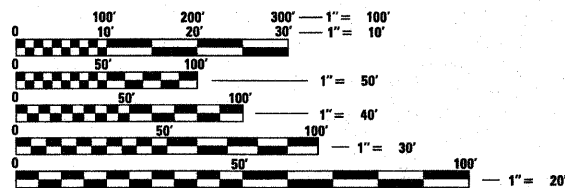
- 1 COVER SHEET
- 2 HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS
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- 43-48 CROSS SECTIONS

FOR LIST OF STANDARDS, SEE SHEET NO. 2



FUNCTIONAL CLASSIFICATION
RURAL MINOR ARTERIAL
(CLASS II TRUCK ROUTE)
2011 ADT = 3200

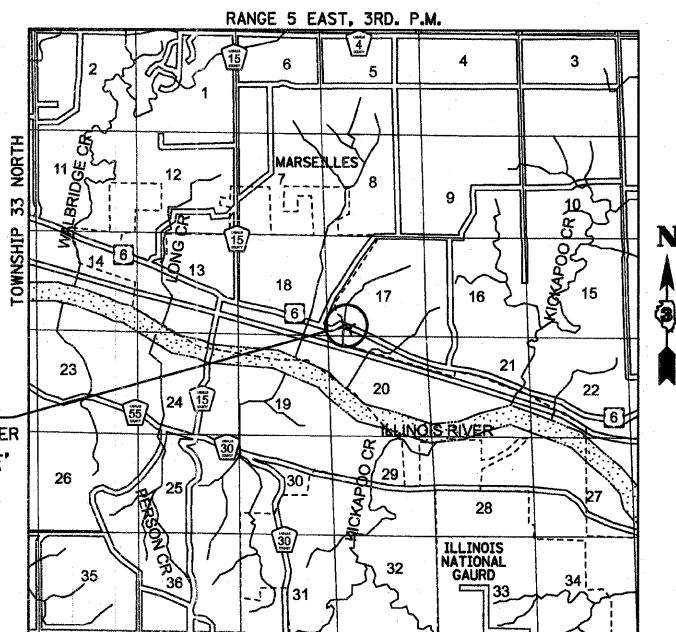
P.V. = 89.4% S.U. = 5.3% M.U. = 5.3%



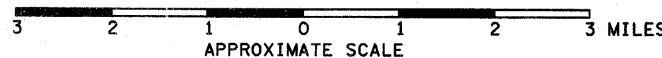
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

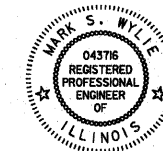
DISTRICT 3 NO. (815) 434-6131
PROJECT ENGINEER: JOE KANNEL, P.E.
UNIT CHIEF: PATRICK BRABOY
CONTRACT NO. 66972



LOCATION MAP



GROSS LENGTH = 435.0 FT. = 0.08 MILE
NET LENGTH = 435.0 FT. = 0.08 MILE



Mark S. Wylie Date 11/11/11
MARK S. WYLIE
REGISTERED PROFESSIONAL ENGINEER
NO. 062-043716
EXPIRATION 11/30/11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Feb 21 20 12
Eric S. Trudell
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 23 20 12
John D. Baranzelli, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

March 23 20 12
William R. Fier
acting DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

BRIDGE APPROACH PAVEMENT REMOVAL SHALL BE INCLUDED IN THE COST OF "PAVEMENT REMOVAL".

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF "FURNISHED EXCAVATION".

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE 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 INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

AN 8" THICK LAYER OF AGGREGATE WILL BE USED FOR TEMPORARY ACCESS AT THE DESIGNATED LOCATIONS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
BIT MATERIALS (PRIME COAT) ON AGGREGATE BASES	0.375	GAL / SQ YD
BITUMINOUS MATERIALS (PRIME COAT)	0.08	GAL / SQ YD
FOR ADDITIONAL HMA LIFTS "FOG COAT"	0.05	GAL / SQ YD
AGGREGATE PRIME COAT	0.002	TONS / SQ YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION
CALCIUM CHLORIDE	2	LB / SQ YD / APPLICATION
TEMPORARY DITCH CHECKS	5	TONS AGGREGATE

THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

1. AMEREN IP
2. MARSEILLES TELEPHONE
3. MEDIA COM
4. NICOR GAS COMPANY
5. CITY OF MARSEILLES

COMMITMENTS

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

1. GRADING IS LIMITED AS NOTED ON THE PLAN AND PROFILE SHEET DUE TO POTENTIAL SPECIAL WASTE.
2. THE PRIVATE ENTRANCE AT STA 115+45.5 RT WILL BE REMOVED AND RELOCATED TO STA 115+17.3 RT AS SHOWN ON THE PLAN AND PROFILE SHEET.
3. A VIDEO INSPECTION WILL BE MADE OF COUNTY HIGHWAY 15, COUNTY HIGHWAY 4 AND COUNTY HIGHWAY 25. THE RESIDENT ENGINEER AND A REPRESENTATIVE OF THE LASALLE COUNTY HIGHWAY DEPARTMENT WILL PERFORM THE INSPECTION BEFORE AND AFTER THE DETOUR IS IN EFFECT, TO DOCUMENT THESE ROADS' CONDITION AND TO DETERMINE IF ANY DAMAGE TO THE LOCAL SYSTEM CAN BE ATTRIBUTED TO THE STATE MARKED DETOUR BEING IN PLACE.
4. NOTIFY THE LOCAL EMERGENCY SERVICES BEFORE THE ROAD CLOSURE.
5. ENVIRONMENTAL COORDINATION.

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-06	TEMPORARY EROSION CONTROL SYSTEMS
420401-08	BRIDGE APPROACH PAVEMENT CONNECTOR
515001-03	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602401-03	MANHOLE TYPE A
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS TYPE 1
604006-04	FRAME AND GRATE TYPE 3
604036-02	GRATE TYPE 8
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-10	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-02	TRAFFIC CONTROL DEVICES
780001-03	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

REVIEWED BY: *Don Boril*
DISTRICT STUDIES & PLANS ENGINEER

DATE: 11-9-11

EXAMINED BY: *Hubert J. Phillips*
DISTRICT CONSTRUCTION ENGINEER

Wayne Phillips
DISTRICT MATERIALS ENGINEER

James A. Huskins
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = #USER#	DESIGNED - JML	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILEL#		DRAWN - JJO	REVISED -			623	(G-1) BR-2	LASALLE	48	2	
		CHECKED - MSW	REVISED -			CONTRACT NO. 66972					
		DATE - 11/07/11	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

80% FED / 20% STATE

CODE NUMBER	ITEM	UNIT	TOTAL	ROADWAY 0005	STRUCTURE NO. 050-0184 0040
20200100	EARTH EXCAVATION	CU YD	140	140	
20300100	CHANNEL EXCAVATION	CU YD	100	100	
20400800	FURNISHED EXCAVATION	CU YD	80	80	
20800150	TRENCH BACKFILL	CU YD	41	41	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	40	40	
25000100	SEEDING, CLASS 1	ACRE	0.15	0.15	
25000300	SEEDING, CLASS 3	ACRE	0.08	0.08	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	21	21	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	21	21	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	21	21	
25100630	EROSION CONTROL BLANKET	SQ YD	878	878	
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	300	300	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	200	200	
28000400	PERIMETER EROSION BARRIER	FOOT	565	565	
28000500	INLET AND PIPE PROTECTION	EACH	7	7	
28100107	STONE RIPRAP, CLASS A4	SQ YD	255		255
28200200	FILTER FABRIC	SQ YD	255		255
31100500	SUBBASE GRANULAR MATERIAL, TYPE A 6"	SQ YD	260	260	
31100910	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	60	60	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	18	18	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	48	48	

• SPECIALTY ITEM

80% FED / 20% STATE

CODE NUMBER	ITEM	UNIT	TOTAL	ROADWAY 0005	STRUCTURE NO. 050-0184 0040
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	247	247	
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	105	105	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	87	87	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	202	202	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	100	100	
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	36	36	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	112	112	
44000100	PAVEMENT REMOVAL	SQ YD	230	230	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	870	870	
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1		1
50102400	CONCRETE REMOVAL	CU YD	5.2		5.2
50300225	CONCRETE STRUCTURES	CU YD	24.5		24.5
50300255	CONCRETE SUPERSTRUCTURE	CU YD	148.8		148.8
50300260	BRIDGE DECK GROOVING	SQ YD	285		285
50300300	PROTECTIVE COAT	SQ YD	350		350
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	37,710		37,710
51500100	NAME PLATES	EACH	1		1
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	45	45	
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	8	8	
55100700	STORM SEWER REMOVAL 15"	FOOT	49	49	

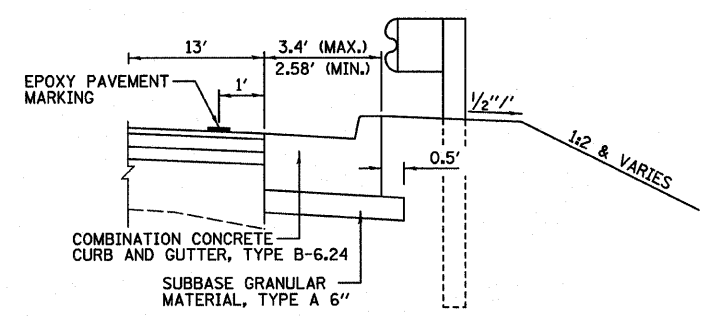
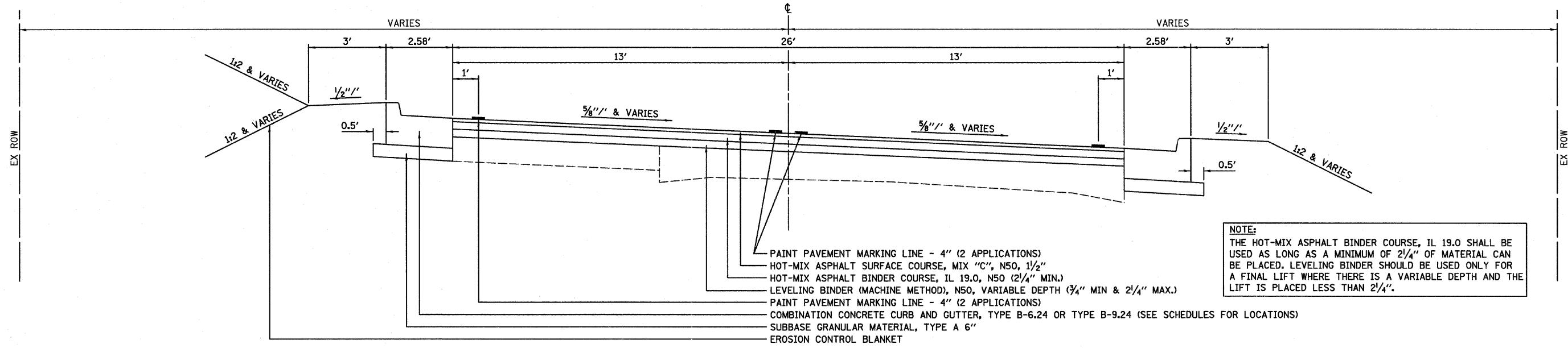
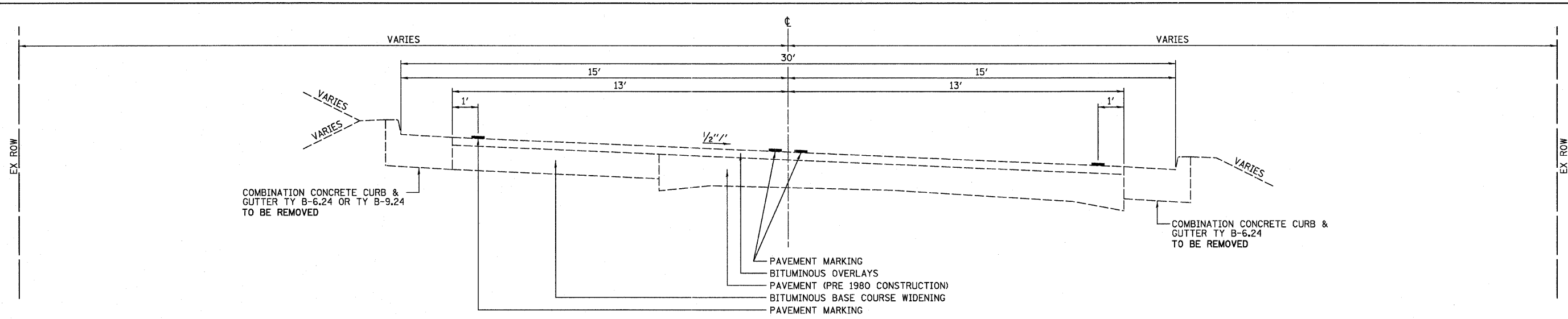
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		DRAWN - JJO	REVISED -					SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 66972	
		CHECKED - MSW	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE - 11/07/11	REVISED -									

80% FED. / 20% STATE					
CODE NUMBER	ITEM	UNIT	TOTAL	ROADWAY 0005	STRUCTURE NO. 050-0184 0040
60100945	PIPE DRAINS 12"	FOOT	14	14	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60260500	INLETS TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	2	2	
60261000	INLETS TO BE ADJUSTED WITH NEW TYPE 8 GRATE	EACH	1	1	
60500060	REMOVING INLETS	EACH	2	2	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	535	535	
60605500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (VARIABLE WIDTH GUTTER FLAG)	FOOT	88	88	
60607400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.24	FOOT	101	101	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	3	3	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	3	
63200310	GUARDRAIL REMOVAL	FOOT	120	120	
64300240	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	4	4	
64301090	ATTENUATOR BASE	SQ YD	10	10	
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	2	2	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2	
67100100	MOBILIZATION	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	3330	3330	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	12	12	

* SPECIALTY ITEM

80% FED. / 20% STATE					
CODE NUMBER	ITEM	UNIT	TOTAL	ROADWAY 0005	STRUCTURE NO. 050-0184 0040
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	9	9	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	3	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	12	12	
Z0073700	TEMPORARY WALL BRACING SYSTEM	L SUM	1		1
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100	
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	358	358	
X6023206	INLETS, TYPE A, TYPE 3 FRAME AND GRATE, SPECIAL	EACH	1	1	
X6060052	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SPECIAL)	FOOT	15	15	
X6060160	CURB AND GUTTER OUTLET, (SPECIAL) COMBINATION CONCRETE	EACH	2	2	
X6090150	TYPE B INLET BOX, STANDARD 609006 (SPECIAL)	EACH	1	1	
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1	

FILE NAME =	USER NAME = #USER#	DESIGNED - JML	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = #DATE#	CHECKED - MSW	REVISED -			CONTRACT NO. 66972					
		DATE - 11/07/11	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



DETAIL AT VARIABLE WIDTH CURB & GUTTER

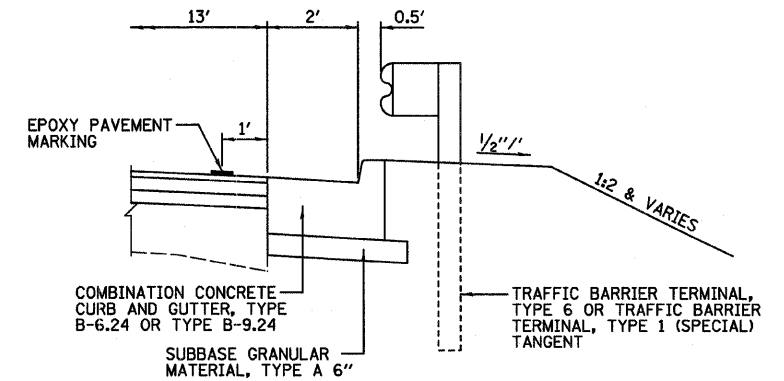
STA 115+90.84 LT TO WEST APPROACH SLAB
 STA 115+76.53 RT TO WEST APPROACH SLAB
 EAST APPROACH SLAB TO STA 117+13.62 LT
 EAST APPROACH SLAB TO STA 117+13.20 RT

PROPOSED TYPICAL CROSS SECTION

STA 113+90.00 TO STA 115+93.96
 STA 116+97.13 TO STA 118+25.00

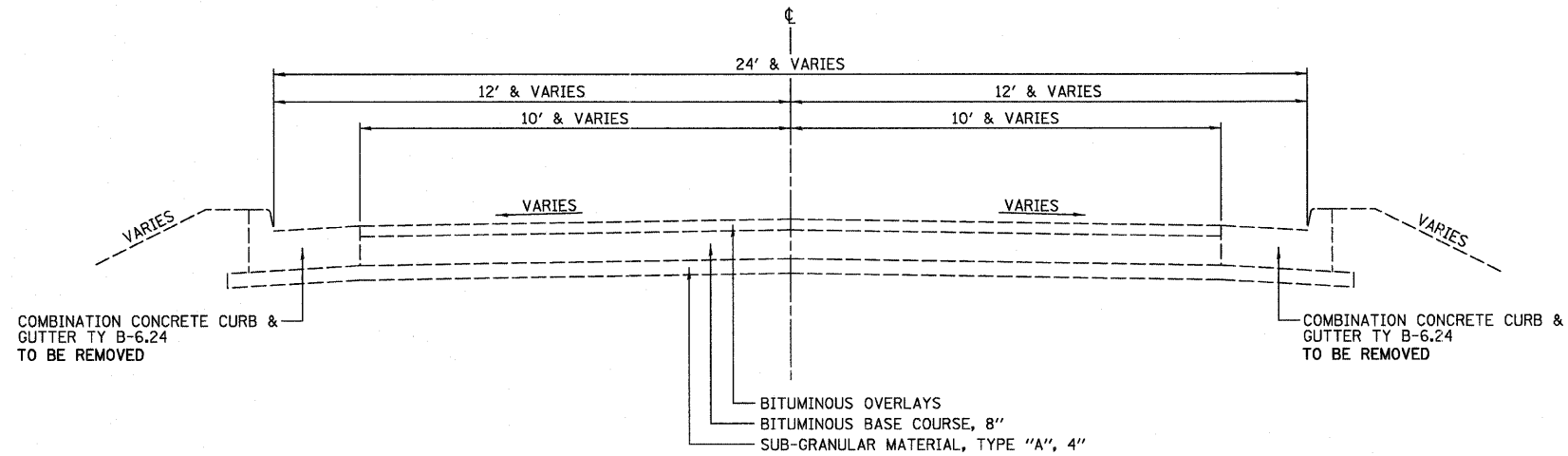
PROPOSED SE TRANSITION DATA	
TAN RUNOUT:	STA 113+89.99 TO STA 114+15.99
SE RUNOFF:	STA 114+15.99 TO STA 114+93.99
FULL SE:	STA 114+93.99 TO STA 117+21.00
SE RUNOFF:	STA 117+21.00 TO STA 117+99.00
TAN RUNOUT:	STA 117+99.00 TO STA 118+25.00

SEE STATE STANDARD 420401
 BRIDGE APPROACH PAVEMENT CONNECTOR
 STA 115+93.96 TO STA 116+05.31
 STA 116+90.44 TO STA 116+97.13

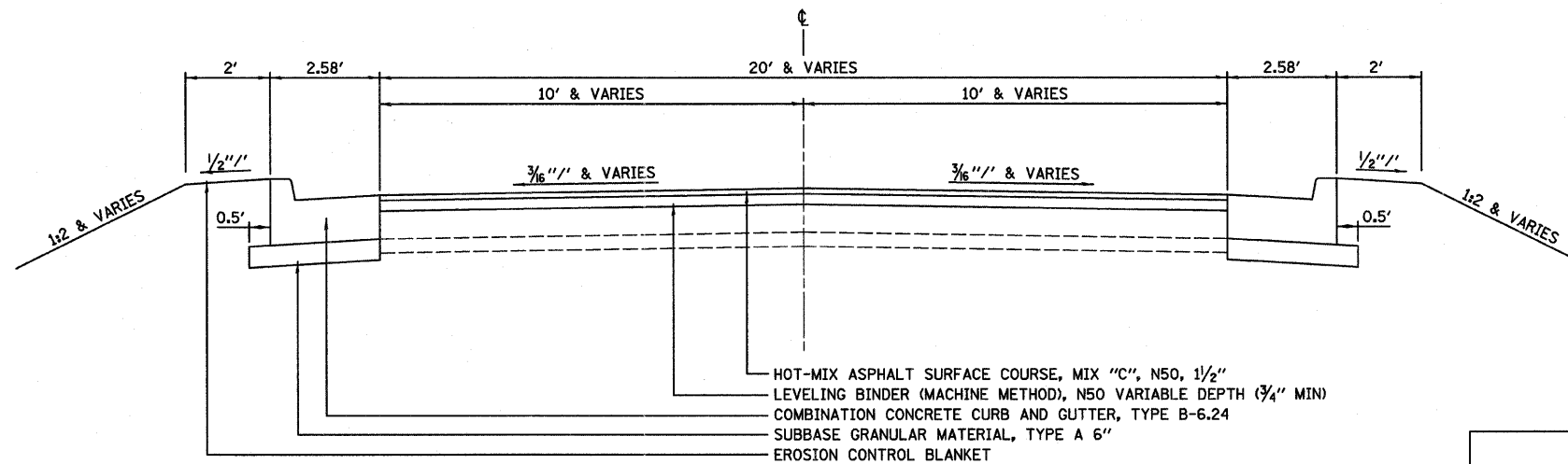


DETAIL AT TRAFFIC BARRIER TERMINAL

FILE NAME = #FILEL*	USER NAME = #USER*	DESIGNED - JML	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE. 623	SECTION (G-1) BR-2	COUNTY LASALLE	TOTAL SHEETS 48	SHEET NO. 5			
	PLOT SCALE = #SCALE*	DRAWN - JJO	REVISED -					CONTRACT NO. 66972							
	PLOT DATE = #DATE*	CHECKED - MSW	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE - 11/07/11	REVISED -					SCALE: SHEET NO. OF SHEETS STA. TO STA.							
FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 2709 MCGRAW DRIVE BLOOMINGTON, ILLINOIS 61704 (309) 663-8435 / (309) 663-1571 FAX 24-8559															



EXISTING TYPICAL CROSS SECTION
JEFFERSON STREET



PROPOSED TYPICAL CROSS SECTION
JEFFERSON STREET

STA 10+13.00 TO STA 10+63.73

	HMA BINDER	HMA LEVEL BINDER	HMA SURFACE
PG GRADE *	PG64-22	PG64-22	PG64-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION	IL 19.0	IL 9.5	IL 9.5
FRICTION AGGREGATE	-	-	MIXTURE C
DENSITY TEST METHOD	CORES	SATISFACTION OF ENGINEER	CORES

FILE NAME *	USER NAME = #USER#	DESIGNED - JML	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE. 623	SECTION (G-1) BR-2	COUNTY LASALLE	TOTAL SHEETS 48	SHEET NO. 6
#FILE#		DRAWN - JJO	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 66972				
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	PLOT DATE = #DATE#	DATE - 11/07/11	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

EARTHWORK				
LOCATION	EARTH EXCAVATION	TOTAL EXCAVATION ADJUSTED FOR 25% SHRINKAGE	EMBANKMENT	BALANCE WASTE (+) SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
STA 43+90 TO STA 118+25	140	105	185	-80

TRENCH BACKFILL	
LOCATION	CU YD
STA 116+61.75 RT	35
STA 116+88.4 RT (PE)	6
TOTAL	41

CHANNEL EXCAVATION	
LOCATION	CU YD
STA 116+20 TO STA 116+80	100
TOTAL	100

SEEDING/FERTILIZING								
LOCATION	SEEDING, CLASS 1	SEEDING, CLASS 3	NITROGEN FERTILIZER NUTRIENT	PHOSPHOROUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET	HEAVY DUTY EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING
	ACRE	ACRE	POUND	POUND	POUND	SQ YD	SQ YD	POUND
STA 113+90 LT TO STA 10+63.73 LT	0.01		1.36	1.36	1.36	60		9
STA 113+90 RT (PE) TO STA 114+03.4 RT (PE)	0.004		0.41	0.41	0.41	18		3
STA 114+03.4 RT (PE) TO STA 114+61.3 RT (PE)	0.01		1.31	1.31	1.31	58		9
STA 114+61.3 RT (PE) TO STA 115+17.3 RT (PE)	0.01		1.21	1.21	1.21	54		9
STA 114+80 LT TO STA 116+36 LT	0.04		4.26	4.26	4.26	188		35
STA 115+17.3 RT (PE) TO STA 116+36 RT	0.03		4.13	4.13	4.13	182		26
STA 116+60 LT TO STA 117+25 LT						127		
STA 116+60 RT TO STA 116+88.4 RT (PE)	0.02		2.34	2.34	2.34	104		17
STA 116+60 RT TO STA 118+25 LT		0.05	0.65	0.65	0.65			44
STA 116+88.4 RT (PE) TO STA 117+25 RT						62		
STA 116+88.4 RT (PE) TO STA 117+50 RT	0.02		2.23	2.23	2.23			17
STA 117+25 LT TO STA 117+75 LT							151	
STA 117+25 RT TO STA 118+25 RT							149	
STA 117+50 RT TO STA. 18+25 RT		0.03	2.54	2.54	2.54			26
STA 10+63.73 RT TO STA 114+80 LT	0.006		0.56	0.56	0.56	25		5
TOTAL	0.15	0.08	21	21	21	878	300	200

EROSION CONTROL		
LOCATION	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION
	FOOT	EACH
STA 114+00.93 LT		1
STA 114+44.39 RT		1
STA 114+79.48 LT		1
STA 114+96 LT TO STA 116+41 LT	163	
STA 115+28 RT TO STA 116+20 RT	89	
STA 115+73.59 RT		1
STA 116+57 RT TO STA 116+86 RT	26	
STA 116+61.75 RT		1
STA 116+63.52 RT		1
STA 116+98 LT TO STA 118+25 LT	135	
STA 116+90 RT TO STA 118+25 RT	132	
STA 117+09.77 RT		1
STA 10+70 LT	10	
STA 10+70 RT	10	
TOTAL	565	7

FILE NAME =	USER NAME = #USER#	DESIGNED - JML	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN - JJO	REVISED -			623	(G-1) BR-2	LASALLE	48	7	
	PLOT SCALE = #SCALE#	CHECKED - MSW	REVISED -			CONTRACT NO. 66972					
	PLOT DATE = #DATE#	DATE - 11/07/11	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

PAVING MATERIALS

LOCATION	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SUB-BASE GRAN MATL TY A 6"	SUB-BASE GRAN MATL TY A 12"	AGG SURF CSE, TYPE B	BIT MATLS PRIME COAT	LEVELING BINDER (MACHINE METHOD), N50	HMA SURFACE REMOVAL - BUTT JOINT	HMA BINDER CSE, IL-19.0, N50	HMA SURF CSE, MIX "C", N50	BR APPR PVT CON (FLX)	PCC DRIVEWAY PVT, 6"	HMA SURFACE REMOVAL, VARIABLE DEPTH
	SQ YD	SQ YD	SQ YD	TON	GALLON	TON	SQ YD	TON	TON	SQ YD	SQ YD	SQ YD
STA 113+90 TO STA 114+57.18												194
STA 113+90.00 TO STA 115+99.88					51				51			
STA 113+90.00 TO STA 116+05.88												
STA 113+90 LT TO STA 10+57.73 LT		32										
STA 113+90 RT TO STA 115+76.53 RT		62										
STA 113+90 TO STA 115+93.97											29	
STA 114+03.4 RT (PE)						60		128				
STA 114+20 TO STA 116+05.88					87							
STA 114+61.3 RT (PE)											29	
STA 115+17.3 RT (PE)											26	
STA 115+76.53 RT TO STA 116+05.88 RT		7										
STA 115+90.84 LT TO STA 116+05.88 LT		7										
STA 115+93.96 TO STA 116+32.43	20		40									
STA 115+93.96 TO STA 116+97.13						3		18	14			
STA 115+99.88 TO STA 116+05.88										18		
STA 116+57.49 TO STA 116+97.13	20		20									
STA 116+88.40 RT (PE)				18							28	
STA 116+90.88 TO STA 116+96.88										18		
STA 116+90.88 TO STA 117+47.00					39							
STA 116+90.88 LT TO STA 117+13.62 LT		8										
STA 116+90.88 RT TO STA 117+13.62 RT		8										
STA 116+97.13 TO STA 118+25						32						
STA 117+13.62 LT TO STA 118+25.00 LT		40										
STA 117+13.62 RT TO STA 118+25 RT		39										
STA 117+43.67 TO STA 117+95					24			56				
STA 117+43.67 TO STA 118+25.00					19				20			
STA 117+95 TO STA 118+25							87					
STA 10+13.00 TO STA 10+63.73					23	6			11			124
STA 10+57.73 LT TO STA 10+63.73 LT		3										
STA 10+57.73 RT TO STA 115+90.84 LT		51										
STA 10+63.73 RT TO STA 10+57.73 RT		3										
NW QUAD					2	2			2			16
NE QUAD					2	2			2			24
TOTAL	40	260	60	18	247	105	87	202	100	36	112	358

TEMPORARY PAVING MATERIALS

LOCATION	AGGREGATE FOR TEMPORARY ACCESS
	TON
STA 114+03.4 RT	12
STA 114+61.3 RT	12
STA 115+17.3 RT	12
STA 116+88.4 RT	12
TOTAL	48

REMOVAL OF PAVING MATERIALS

LOCATION	PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL
	SQ YD	FOOT
STA 10+60 RT TO STA 116+36 RT		201
STA 113+90 LT TO STA 10+60 LT		95
STA 113+90 RT TO STA 116+36 RT		234
STA 115+93.96 TO STA 116+32.43	113	
STA 116+57.49 TO STA 116+97.13	117	
STA 116+60 LT TO STA 117+47 LT		89
STA 116+60 RT TO STA 117+47 RT		89
STA 117+43.67 LT TO STA 118+25 LT		81
STA 117+43.67 RT TO STA 118+25 RT		81
TOTAL	230	870

FILE NAME =	USER NAME = #USER#	DESIGNED - JML	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
#FILE#		DRAWN - JJO	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	623	(G-1) BR-2	LASALLE	48	8
	PLOT SCALE = #SCALE#	CHECKED - MSW	REVISED -												
	PLOT DATE = #DATE#	DATE - 11/07/11	REVISED -												

DRAINAGE										
LOCATION	PRECAST REINFORCED CONC FLARED END SECTIONS, 15"	STORM SEWERS, CLASS A, TYPE 1, 12"	STORM SEWERS, CLASS A, TYPE 2, 15"	STORM SEWER REMOVAL 15"	PIPE DRAINS, 12"	COMBINATION CONCRETE CURB AND GUTTER				CURB AND GUTTER OUTLET, SPECIAL
	EACH	FOOT	FOOT	FOOT	FOOT	FOOT				EACH
						TY B-6.24	TY B-6.24 (SPECIAL)	TY B-6.24 (VARIABLE WIDTH GUTTER FLAG)	TY B-9.24	
STA 113+90 LT TO STA 10+57.73 LT						92				
STA 113+90 RT TO STA 115+76.53 RT						180				
STA 115+76.53 RT TO STA 116+05.88 RT								22		
STA 115+90.84 LT TO STA 116+05.88 LT								20		
STA 116+49 RT	1									
STA 116+49 RT TO STA 116+63.52 RT			8							
STA 116+56 RT TO STA 116+61.75 RT				13						
STA 116+61.75 RT TO STA 116+63.52 RT					14					
STA 116+61.75 RT TO STA 117+00 RT				36						
STA 116+63.52 RT TO STA 117+09.77 RT		45								
STA 116+90.88 LT TO STA 117+13.62 LT								23		
STA 116+90.88 RT TO STA 117+13.20 RT								23		
STA 117+13.62 LT TO STA 117+28.62 LT							15			
STA 117+13.20 RT TO STA 118+25 RT						114				
STA 117+28.62 LT TO STA 118+25 LT									101	
STA 10+57.73 LT & RT										2
STA 10+57.73 RT TO STA 115+90.84 LT						149				
TOTAL	1	45	8	49	14	535	15	88	101	2

RIGHT-OF-WAY MARKERS	
LOCATION	FURNISHING AND ERECTING EACH
STA 114+81.50 LT	1
STA 115+50.50 LT	1
TOTAL	2

INLETS AND MANHOLES							
LOCATION	MANHOLES, TY A, 4" -DIAM, TY 1 FRAME, CLOSED LID	MANHOLES TO BE ADJUSTED WITH NEW TY 1 FRAME, CLOSED LID	INLETS TO BE ADJUSTED WITH NEW FRAME AND GRATE		REMOVING INLETS	INLETS, TY A, TY 3 FRAME AND GRATE SPECIAL	TY B INLET BOX, STANDARD 609006 (SPECIAL)
	EACH	EACH	EACH		EACH	EACH	EACH
			TY 3	TY 8			
STA 114+00.93 LT			1				
STA 114+44.39 RT			1				
STA 114+79.48 LT				1			
STA 115+73.59 RT		1					
STA 116+61.75 RT					1		1
STA 116+63.52 RT	1						
STA 117+00 RT					1		
STA 117+09.77 RT						1	
TOTAL	1	1	2	1	2	1	1

GUARDRAIL			
LOCATION	TRAFFIC BARRIER TERMINAL		GUARDRAIL REMOVAL
	TY 6	TY 1 (SPECIAL)	FOOT
STA 115+33.68 RT TO STA 115+86 RT		1	
STA 115+50.8 LT TO STA 116+00.8 LT		1	
STA 115+82 RT TO STA 116+32 RT			40
STA 115+86 RT TO STA 116+33.13 RT	1		
STA 116+00.8 LT TO STA 116+44.55 LT	1		
STA 116+04.5 LT TO STA 116+45 LT			40
STA 116+63.66 LT TO STA 117+05 LT	1		
STA 116+64 LT TO STA 117+00 LT			40
STA 117+05 LT TO STA 117+49.29 LT		1	
TOTAL	3	3	120

PAINT PAVEMENT MARKING LINE	
LOCATION	4" FOOT
STA 113+90 LT TO STA 114+11 LT	42
STA 113+90 TO STA 118+25	1740
STA 113+90 RT TO STA 118+25 RT	870
STA 114+86 LT TO STA 118+25 LT	628
TOTAL (2 APPLICATIONS)	3330

REFLECTORS/MARKERS				
LOCATION	RAISED REFLECTIVE PAVEMENT MARKER	GUARDRAIL MARKERS, TY A	TERMINAL MARKER - DIRECT APPLIED	RAISED RELFECTIVE PAVEMENT MARKER REMOVAL
	EACH	EACH	EACH	EACH
STA 113+90 TO STA 118+25	12			12
STA 115+33.68 RT			1	
STA 115+33.68 RT TO STA 116+33 RT		3		
STA 115+50.80 LT			1	
STA 115+50.80 LT TO STA 116+44 LT		3		
STA 116+64 LT TO STA 117+49.24 LT		3		
STA 117+49.28 LT			1	
TOTAL	12	9	3	12

IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW) TEST LEVEL 2	
LOCATION	EACH
STA 116+65 RT	4
TOTAL	4

ATTENUATOR BASE	
LOCATION	SQ YD
STA 116+65 RT	10
TOTAL	10

FILE NAME =	USER NAME = #USER#	DESIGNED - JML	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - JJO	REVISED -						623	(G-1) BR-2	LASALLE	48	9
	PLOT SCALE = #SCALE#	CHECKED - MSW	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 66972			
	PLOT DATE = #DATE#	DATE - 11/07/11	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

EXIST CURVE DATA JEFFN-1
 PI STA. = 10+30.38
 $\Delta = 44^\circ 06' 07''$ (RT)
 D = 76' 23' 40"
 R = 75.00'
 T = 30.38'
 L = 57.73'
 E = 5.92'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA = 10+00.00
 P.T. STA = 10+57.73

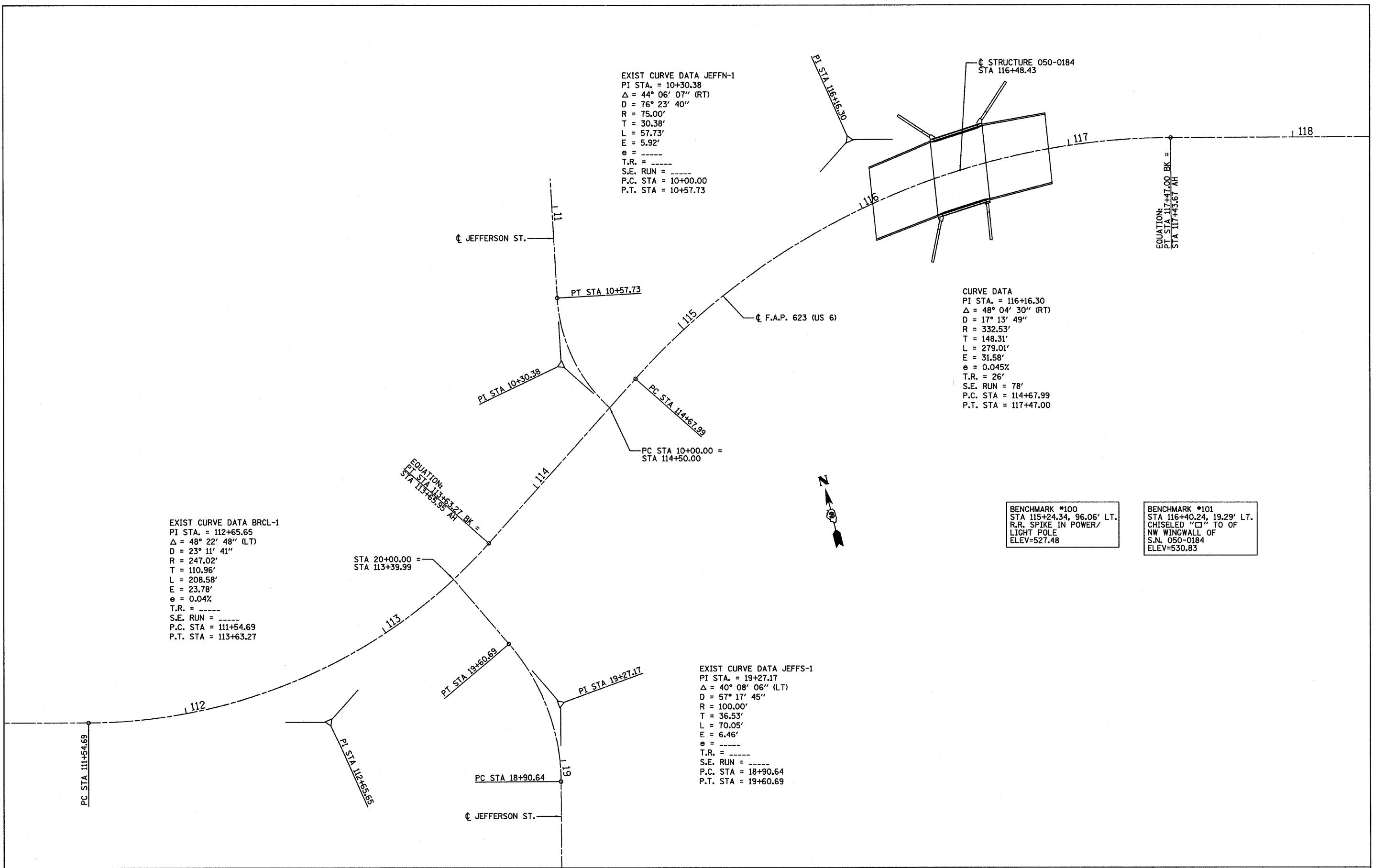
CURVE DATA
 PI STA. = 116+16.30
 $\Delta = 48^\circ 04' 30''$ (RT)
 D = 17' 13' 49"
 R = 332.53'
 T = 148.31'
 L = 279.01'
 E = 31.58'
 e = 0.045%
 T.R. = 26'
 S.E. RUN = 78'
 P.C. STA = 114+67.99
 P.T. STA = 117+47.00

EXIST CURVE DATA BRCL-1
 PI STA. = 112+65.65
 $\Delta = 48^\circ 22' 48''$ (LT)
 D = 23' 11' 41"
 R = 247.02'
 T = 110.96'
 L = 208.58'
 E = 23.78'
 e = 0.04%
 T.R. = -----
 S.E. RUN = -----
 P.C. STA = 111+54.69
 P.T. STA = 113+63.27

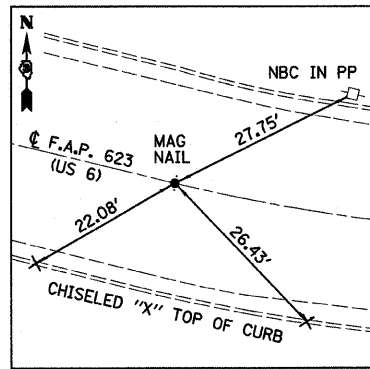
EXIST CURVE DATA JEFFS-1
 PI STA. = 19+27.17
 $\Delta = 40^\circ 08' 06''$ (LT)
 D = 57' 17' 45"
 R = 100.00'
 T = 36.53'
 L = 70.05'
 E = 6.46'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA = 18+90.64
 P.T. STA = 19+60.69

BENCHMARK #100
 STA 115+24.34, 96.06' LT.
 R.R. SPIKE IN POWER/
 LIGHT POLE
 ELEV=527.48

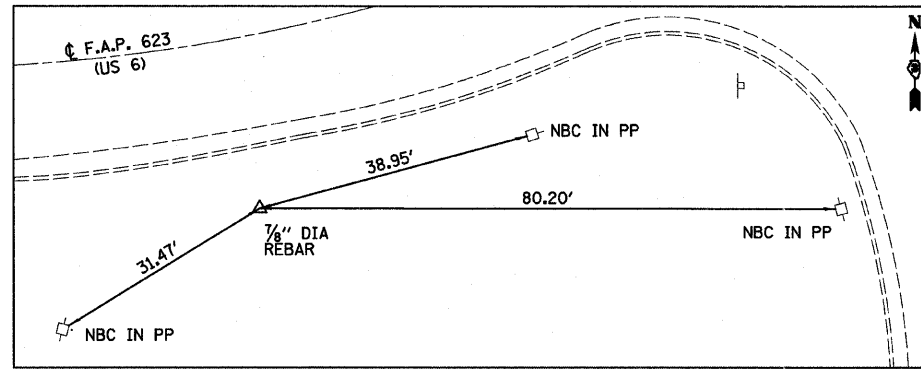
BENCHMARK #101
 STA 116+40.24, 19.29' LT.
 CHISELED "□" TO OF
 NW WINGWALL OF
 S.N. 050-0184
 ELEV=530.83



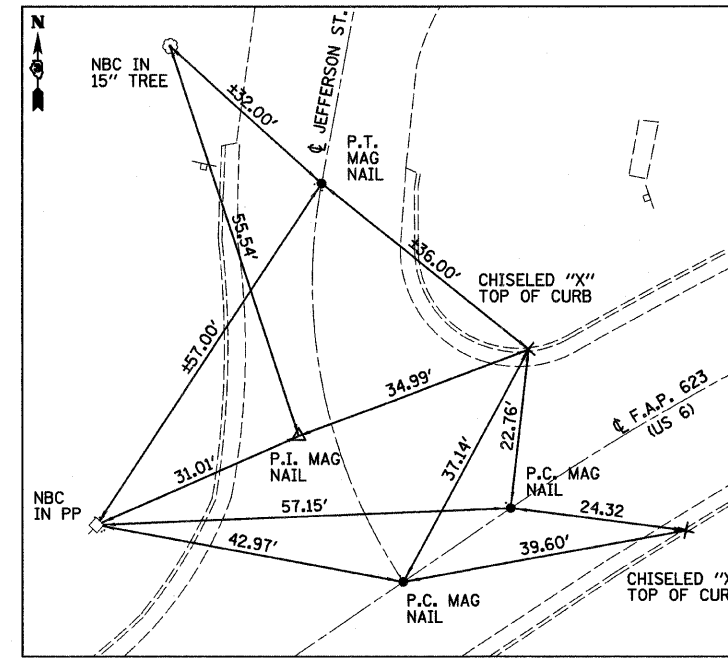
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#FILE#		DRAWN - JJO	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 66972				
		CHECKED - MSW	REVISED -					ILLINOIS FED. AID PROJECT				
		DATE - 11/07/11	REVISED -									



US 6
 STA 111+54.69 (P.C.)
 N = 1697446.257
 E = 886982.497

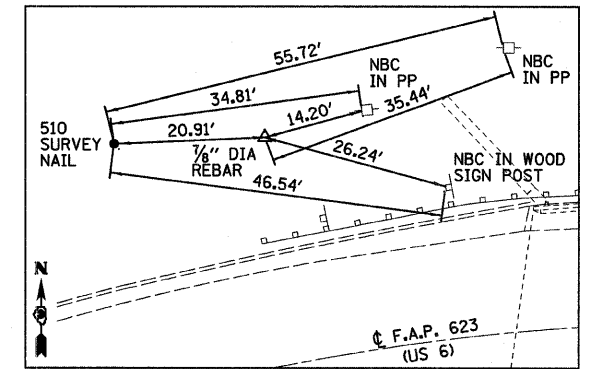


US 6
 STA 112+65.65, 23.78' RT (P.I.)
 N = 1697419.696
 E = 887090.234

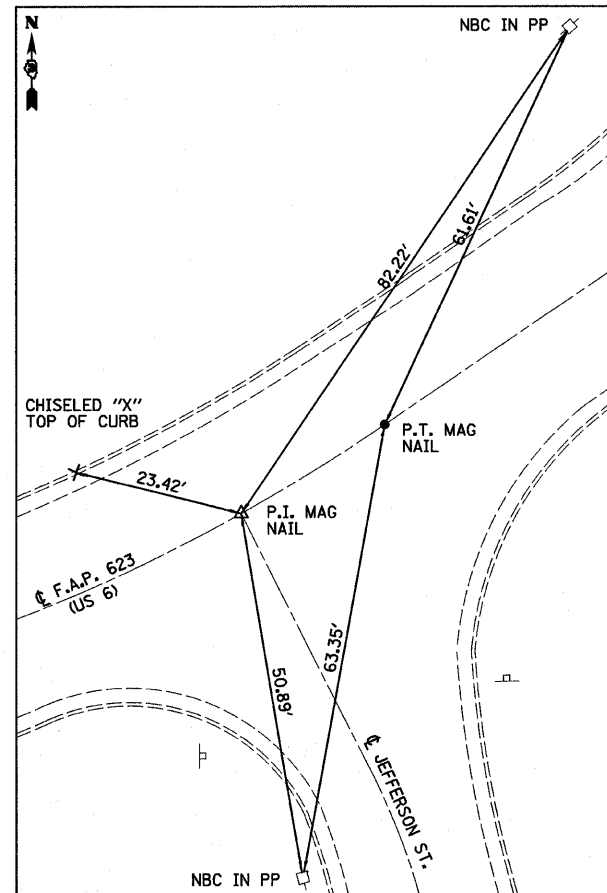


US 6
 STA 114+67.99 (P.C.)
 N = 1697540.444
 E = 887265.722
 STA 10+00.00 = STA 114+50.00 (P.C.)
 N = 1697530.253
 E = 887250.911

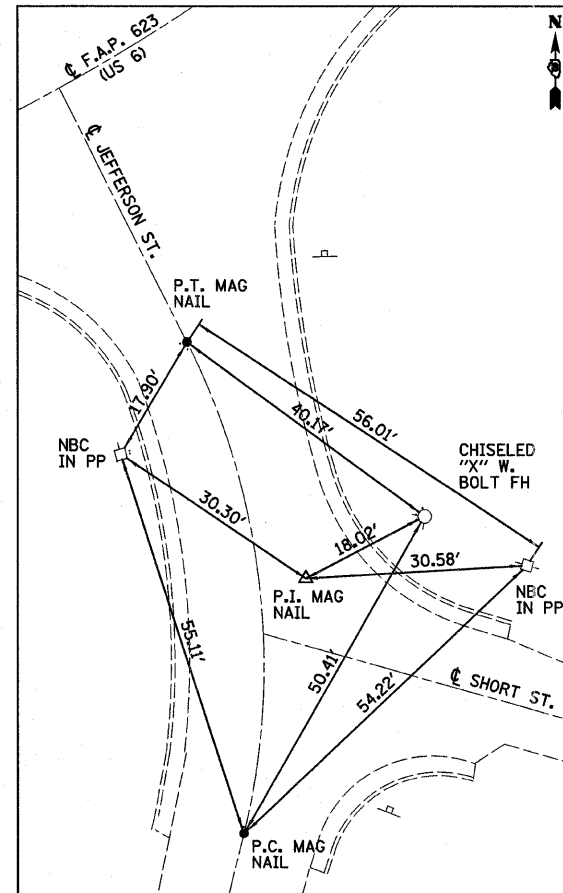
JEFFERSON STREET
 STA 10+30.38, 5.92' LT (P.I.)
 N = 1697555.571
 E = 887234.120
 STA 10+57.73 (P.T.)
 N = 1697585.437
 E = 887239.682



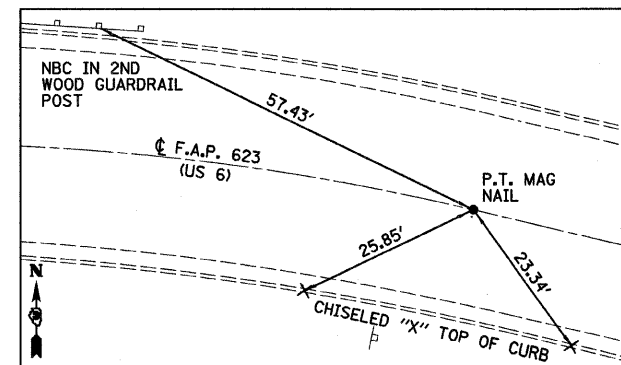
CONTROL POINT #510
 STA 115+88.85, 35.06' LT
 N = 1697623.624
 E = 887367.117
 ELEV = 527.295
 STA 116+16.30, 31.58' LT (P.I.)
 N = 1697624.515
 E = 887387.906



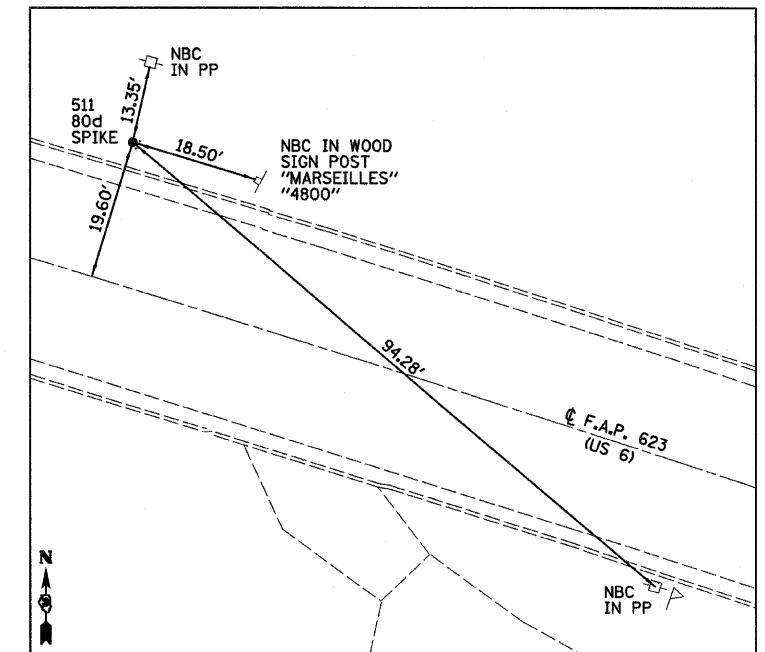
US 6
 STA 20+00.00 = STA 113+39.99 (P.I.)
 N = 1697470.325
 E = 887161.883
 STA 113+63.27 (P.T.) (BK) = STA 113+65.95 (AH)
 N = 1697482.595
 E = 887181.648



JEFFERSON STREET
 STA 19+60.69 (P.T.)
 N = 1697435.176
 E = 887179.493
 STA 19+27.17, 6.46' RT (P.I.)
 N = 1697402.516
 E = 887195.856
 STA 18+90.64 (P.C.)
 N = 1697366.998
 E = 887187.314

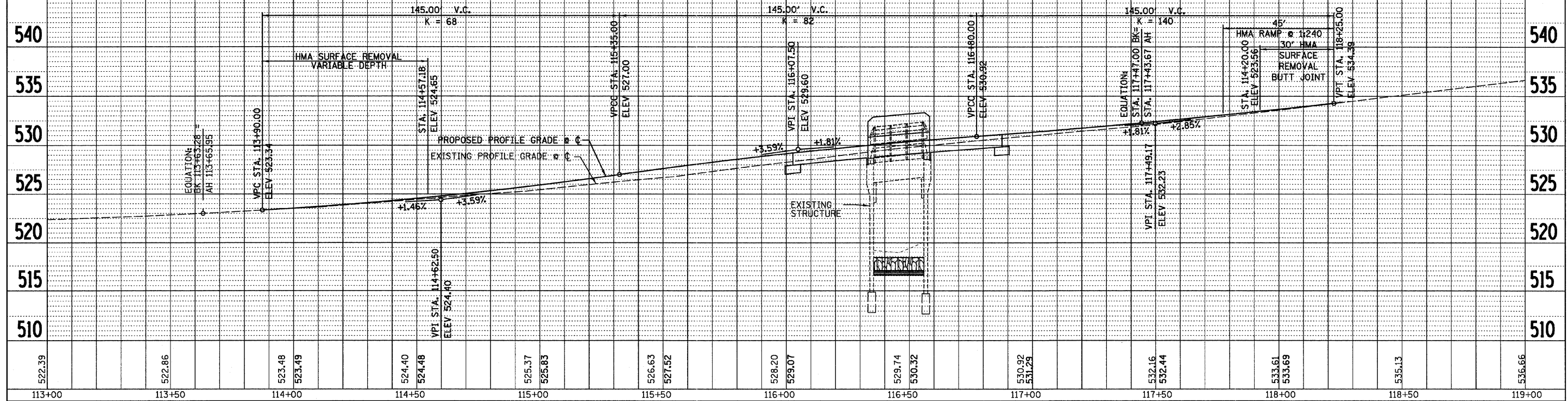
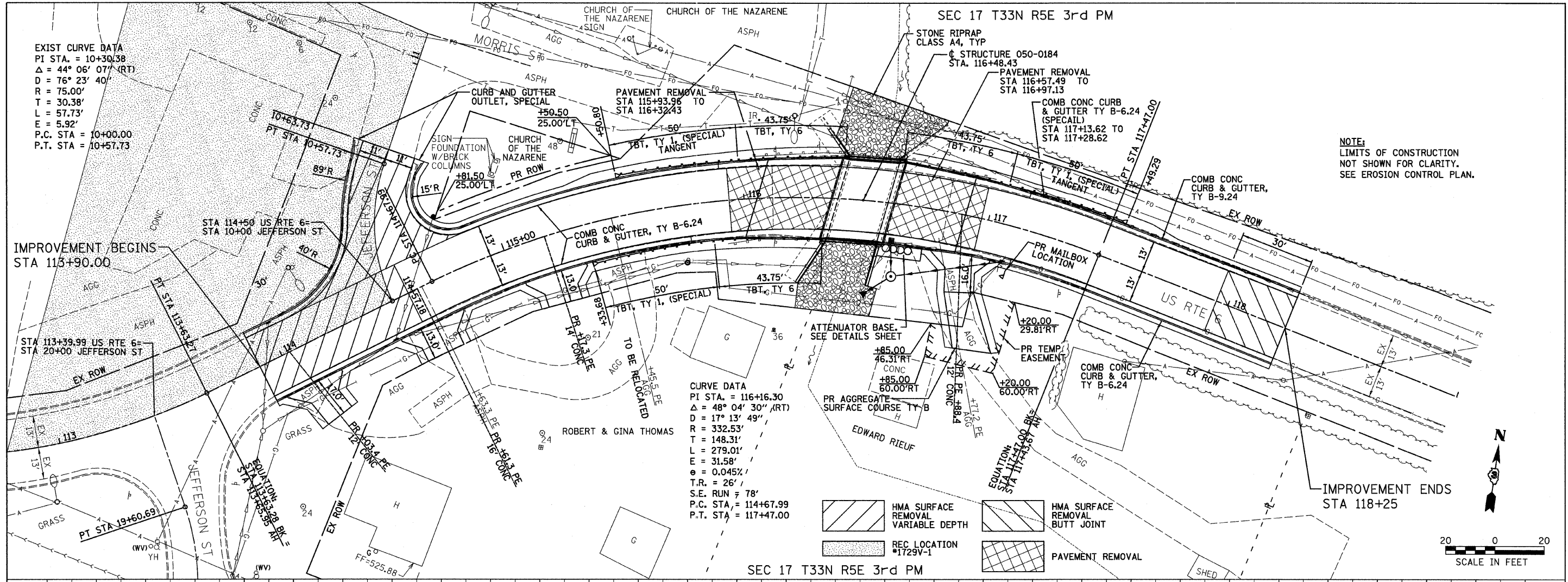


US 6
 STA 117+47.00 (P.T.) (BK) = 117+43.60 (AH)
 N = 1697589.781
 E = 887532.094



CONTROL POINT #511
 STA 123+23.64, 19.60' LT
 N = 1697458.766
 E = 888097.946
 ELEV = 550.043

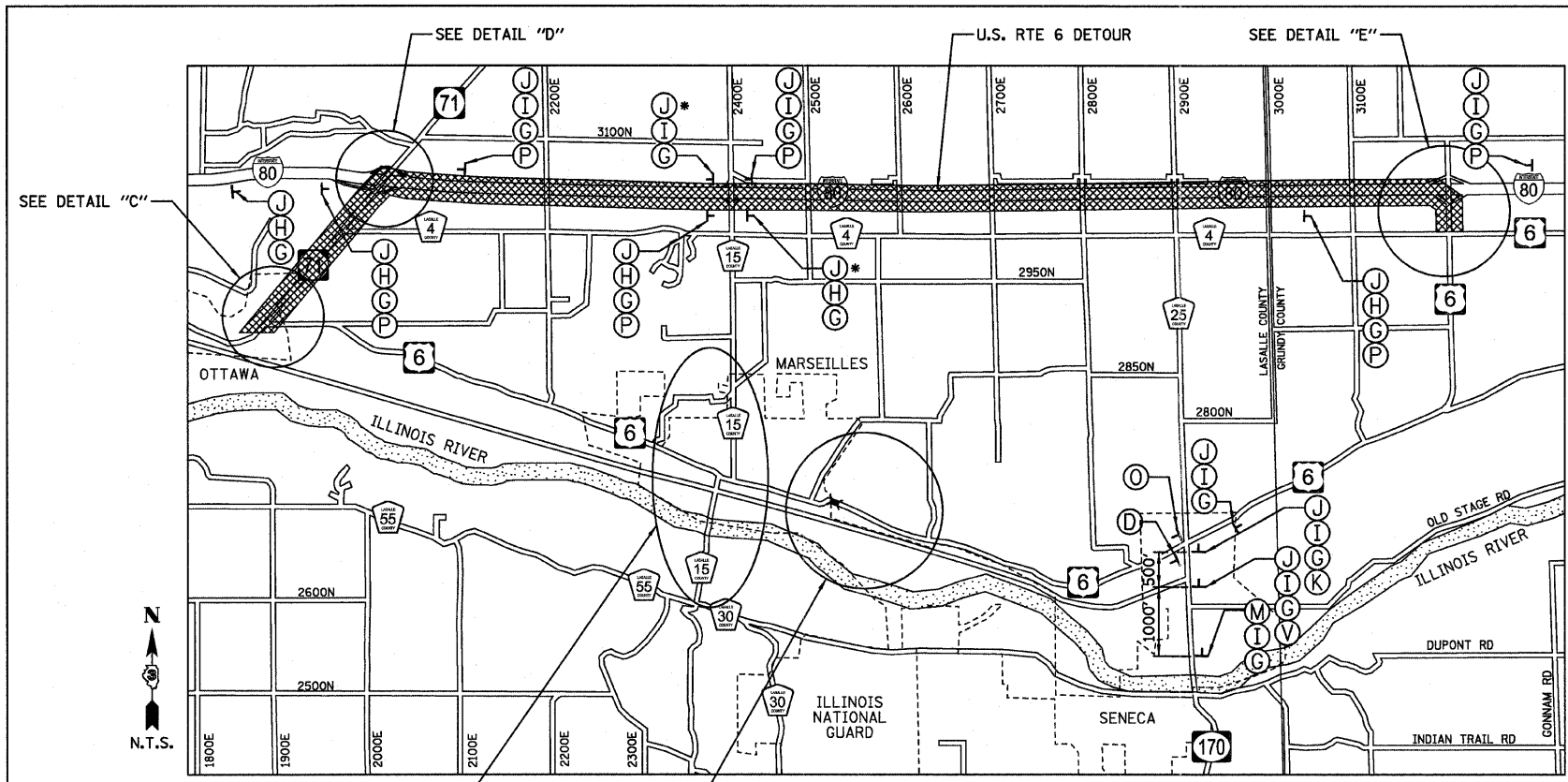
FILE NAME =	USER NAME = #USER#	DESIGNED - JML	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SURVEY TIES			F.A.P. RTE. 623	SECTION (G-1) BR-2	COUNTY LASALLE	TOTAL SHEETS 48	SHEET NO. 11
#FILE#	PLOT SCALE = #SCALE#	DRAWN - JJO	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 66972				
	PLOT DATE = #DATE#	CHECKED - MSW	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
		DATE - 11/07/11	REVISED -									



PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	REVISIONS	
	NO. OF WAY CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO. CAD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	REVISIONS	
	NO. OF WAY CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO. CAD FILE NAME	

FILE NAME =	USER NAME = #USER#	DESIGNED - JML	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE			F.A.P. RTE. 623	SECTION (G-1) BR-2	COUNTY LASALLE	TOTAL SHEETS 48	SHEET NO. 12
#FILE#		DRAWN - JJO	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 113+00 TO STA. 119+00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 66972		
PLOT SCALE = #SCALE#		CHECKED - MSW	REVISED -									
PLOT DATE = #DATE#		DATE - 11/07/11	REVISED -									



SEE DETAIL "C"

SEE DETAIL "A" SEE DETAIL "B"

DETOUR MAP
 *PLACE SIGN ADJACENT TO EAST/WEST I-80 MARKER.

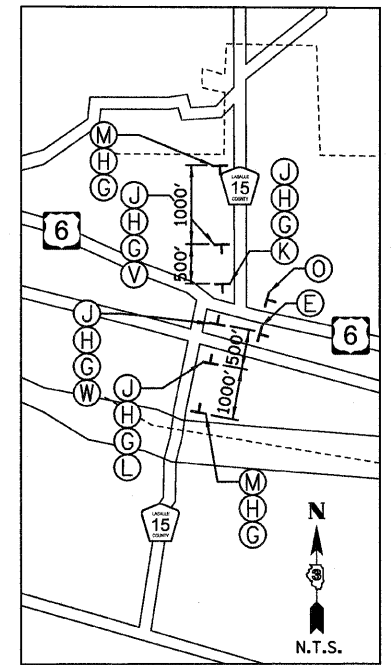
LEGEND

- TT TYPE III BARRICADES CONFORMING TO STD. 701901 "ROAD CLOSED TO ALL TRAFFIC" WITH 2 FLASHING LIGHTS PER BARRICADE
- TT TYPE III BARRICADES CONFORMING TO STD. 701901 "ROAD CLOSED TO THRU TRAFFIC" WITH 2 FLASHING LIGHTS PER BARRICADE
- ⊥ SIGNS ON PERMANENT SUPPORTS
- ⚡ FLASHING LIGHT ABOVE SIGN
- ◊ 18"x18" ORANGE FLAG ABOVE SIGN
- ▨ DETOUR ROUTE
- FO FLORESCENT ORANGE

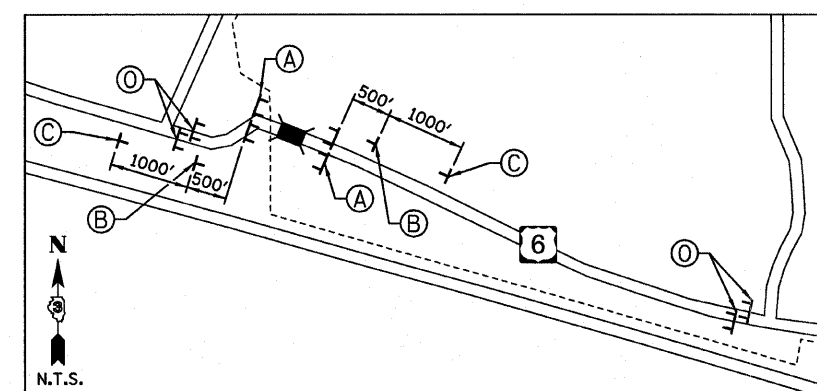
NOTES:

- 1.) ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
- 2.) ALL SIGNS NOT ATTACHED TO BARRICADES SHALL BE POST MOUNTED, UNLESS OTHERWISE NOTED.
- 3.) LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
- 4.) WORK SHALL BE DONE IN ACCORDANCE WITH BLR 21, EXCEPT THAT ALL WARNING SIGNS SHALL BE 48"x48".
- 5.) TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES, THE HIGHWAY STANDARDS AND SPECIAL PROVISIONS.
- 6.) COVER ANY SIGNS DENOTING WEST US ROUTE 6 WITHIN A MILE RADIUS OF THE INTERSECTION BETWEEN INTERSTATE 80 AND US ROUTE 6. COVER ANY SIGNS DENOTING EAST US ROUTE 6 WITHIN A MILE RADIUS OF THE INTERCHANGE BETWEEN IL ROUTE 71 AND US ROUTE 6.

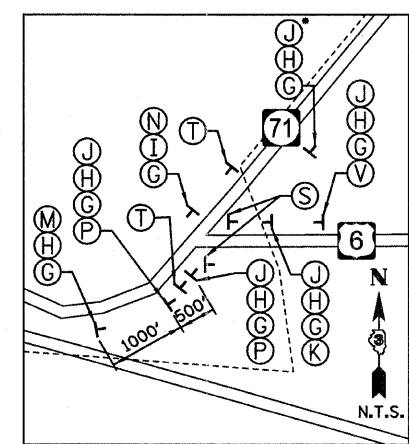
R11-2-4830 A	W20-3-4848 B	W20-3-4848 C	R11-3b-6030 D
R11-3b-6030 E	R11-3b-6030 F	M1-4-2424 G	M3-2-2412 H
M4-8-2412 J	M6-1-2115 K	M5-1-2115 L	W20-2-4848 M
R11-4-6030 O	M6-3-2115 P	M5-2-2115 Q	M6-2-2115 R
BLACK/FO T	BLACK/FO U	M5-1-2115 V	M6-1-2115 W
		M4-10-4818 N	R11-3b-6030 S



U.S. RTE 6 & C.H. 15 INTERSECTIONS (DETAIL "A")

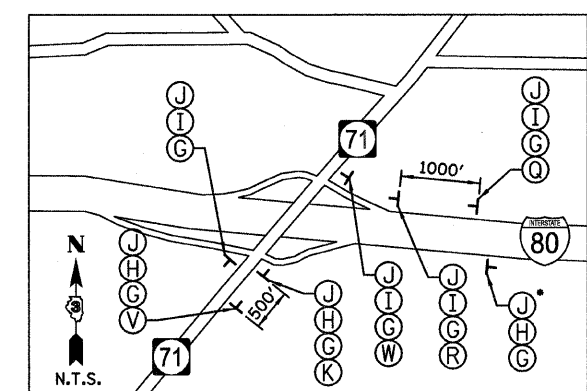


PROJECT LOCATION VICINITY (DETAIL "B")



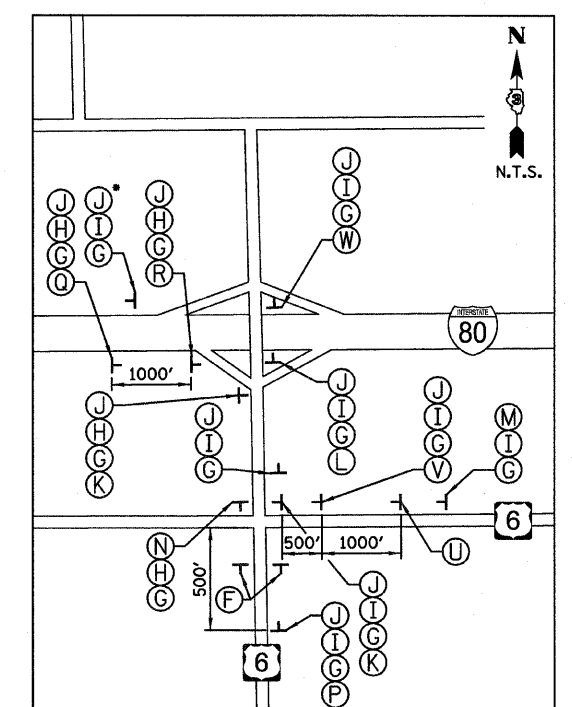
U.S. RTE. 6 & IL. RTE. 71 INTERSECTION (DETAIL "C")

*PLACES SIGN ADJACENT TO EAST IL-71 MARKER



I-80 & IL. RTE. 71 INTERCHANGE - EXIT 93 (DETAIL "D")

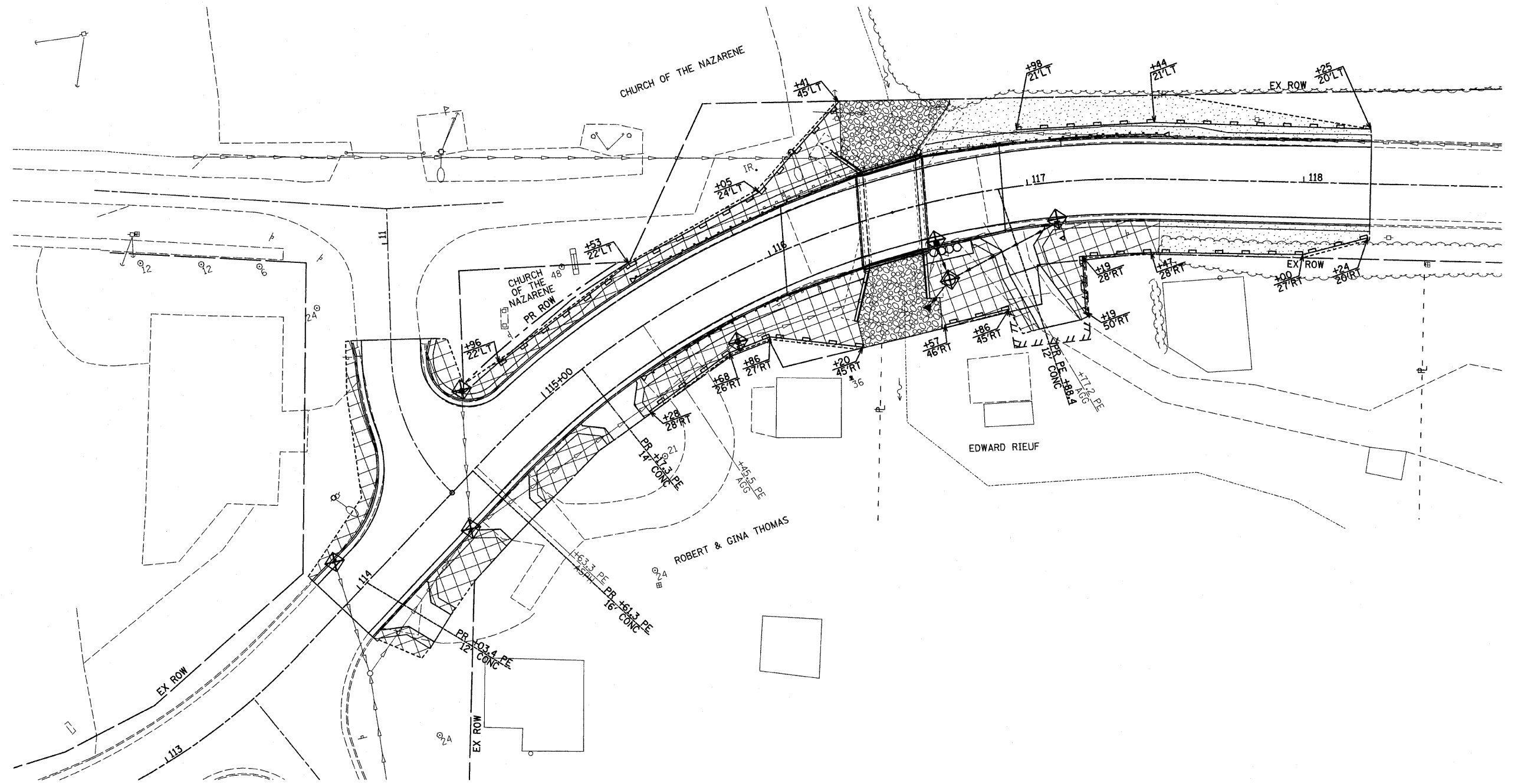
*PLACE SIGNS ADJACENT TO EAST I-80 MARKER



I-80 & U.S. RTE. 6 INTERCHANGE - EXIT 105 (DETAIL "E")

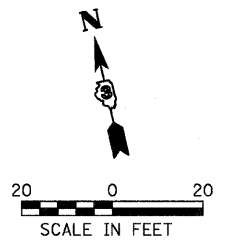
*PLACE SIGNS ADJACENT TO WEST I-80 MARKER

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - JML	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETOUR PLAN			F.A.P. RTE. 623	SECTION (G-1) BR-2	COUNTY LASALLE	TOTAL SHEETS 48	SHEET NO. 13
	PLOT SCALE = #SCALE#	CHECKED - MSW	REVISED -		SCALE:	SHEET NO. OF SHEETS STA.	TO STA.	CONTRACT NO. 66972				
	PLOT DATE = #DATE#	DATE - 11/07/11	REVISED -		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT							
					FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 2709 MCGRAW DRIVE BLOOMINGTON, ILLINOIS 61704 (309) 663-8435 / (309) 663-1571 FAX 24-8559							



LEGEND			
	INLET AND PIPE PROTECTION		TEMPORARY EROSION CONTROL SEEDING, EROSION CONTROL BLANKET & SEEDING, CLASS 1
	PERIMETER EROSION BARRIER		STONE RIPRAP, CLASS A4 & FILTER FABRIC
	TEMPORARY EROSION CONTROL SEEDING, EROSION CONTROL BLANKET & SEEDING, CLASS 3		LIMITS OF CONSTRUCTION

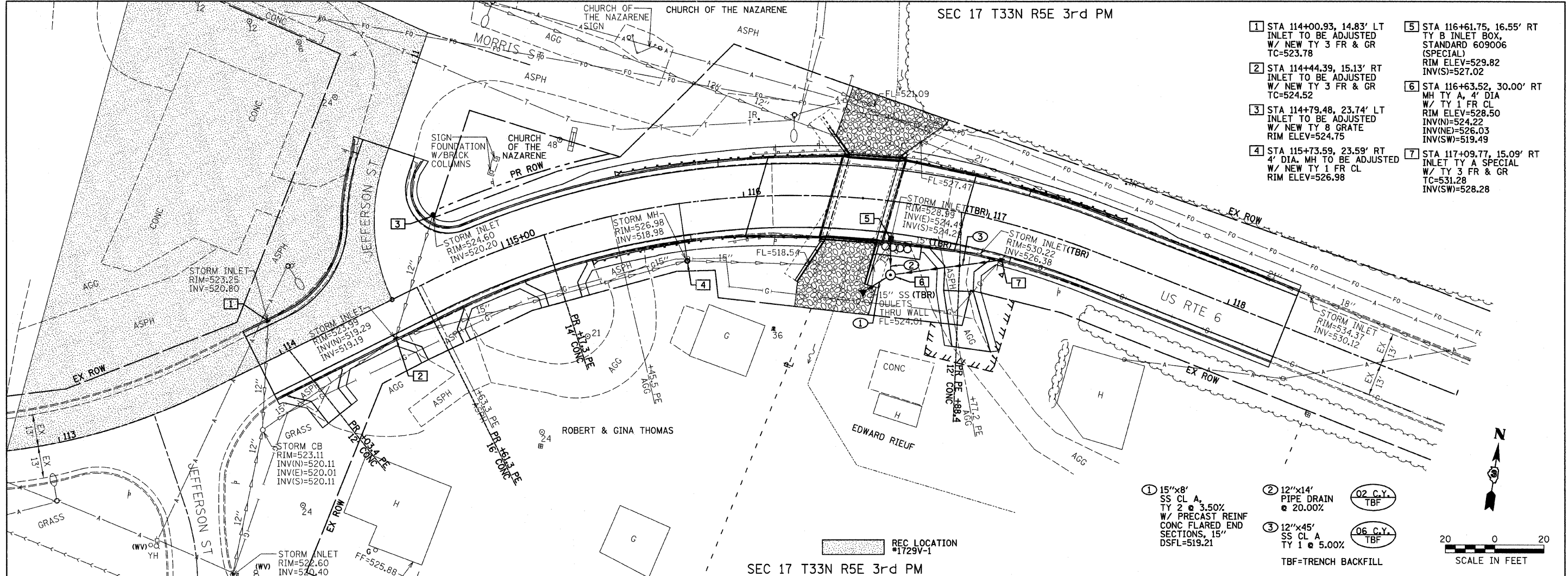
- NOTES:**
1. ALL SEDIMENT AND EROSION CONTROL SYSTEMS SHALL BE CONSTRUCTED WITHIN THE RIGHT-OF-WAY OR TEMPORARY EASEMENT.
 2. ALL SEDIMENT AND EROSION CONTROL SYSTEMS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EACH 1/2" OR GREATER RAIN EVENT.
 3. HEAVY DUTY EROSION CONTROL BLANKET SHALL BE PLACED ON ALL SLOPES GREATER THAN 1:2 (V:H), SEE CROSS SECTIONS.



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - JML	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN			F.A.P. RTE. 623	SECTION (G-1) BR-2	COUNTY LASALLE	TOTAL SHEETS 48	SHEET NO. 14
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PLOT DATE = #DATE#	DATE - 11/07/11	REVISOR -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
					FARNSWORTH GROUP, INC. CONSULTING ENGINEERS - 2709 MCGRAW DRIVE BLOOMINGTON, ILLINOIS 61704 (309) 663-8435 / (309) 663-1571 FAX							

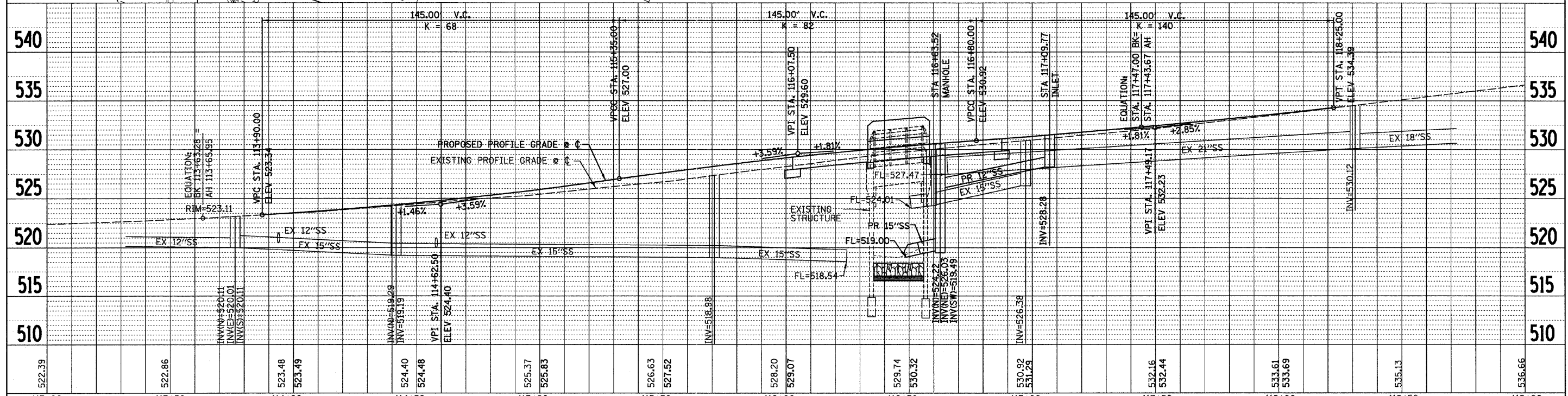
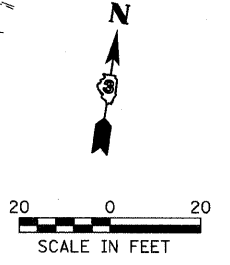
PLAN SURVEYED BY: DATE: _____
 PLOTTED BY: _____
 CHECKED BY: _____
 NOTE BOOK NO. _____
 DATE OF WAY CHECKED: _____
 CAD FILE NAME: _____

PROFILE SURVEYED BY: DATE: _____
 PLOTTED BY: _____
 CHECKED BY: _____
 NOTE BOOK NO. _____
 DATE OF WAY CHECKED: _____
 STRUCTURE NOTATIONS CHRD: _____



- 1 STA 114+00.93, 14.83' LT INLET TO BE ADJUSTED W/ NEW TY 3 FR & GR TC=523.78
- 2 STA 114+44.39, 15.13' RT INLET TO BE ADJUSTED W/ NEW TY 3 FR & GR TC=524.52
- 3 STA 114+79.48, 23.74' LT INLET TO BE ADJUSTED W/ NEW TY 8 GRATE RIM ELEV=524.75
- 4 STA 115+73.59, 23.59' RT 4' DIA. MH TO BE ADJUSTED W/ NEW TY 1 FR CL RIM ELEV=526.98
- 5 STA 116+61.75, 16.55' RT TY B INLET BOX, STANDARD 609006 (SPECIAL) RIM ELEV=529.82 INV(S)=527.02
- 6 STA 116+63.52, 30.00' RT MH TY A, 4' DIA W/ TY 1 FR CL RIM ELEV=528.50 INV(N)=524.22 INV(E)=526.03 INV(SW)=519.49
- 7 STA 117+09.77, 15.09' RT INLET TY A SPECIAL W/ TY 3 FR & GR TC=531.28 INV(SW)=528.28

- 1 15"x8' SS CL A, TY 2 @ 3.50% W/ PRECAST REINF CONC FLARED END SECTIONS, 15" DSFL=519.21
 - 2 12"x14' PIPE DRAIN @ 20.00% (02 C.Y.) TBF
 - 3 12"x45' SS CL A, TY 1 @ 5.00% (06 C.Y.) TBF
- TBF=TRENCH BACKFILL



522.39	522.86	523.48	523.49	524.40	524.48	525.37	525.83	526.63	527.52	528.20	529.07	529.74	530.32	530.92	531.29	532.16	532.44	533.61	533.69	535.13	536.66
113+00	113+50	114+00	114+50	115+00	115+50	116+00	116+50	117+00	117+50	118+00	118+50	119+00									

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 USER NAME = #USER*
 DRAWN - JJO
 CHECKED - MSW
 DATE - 11/07/11

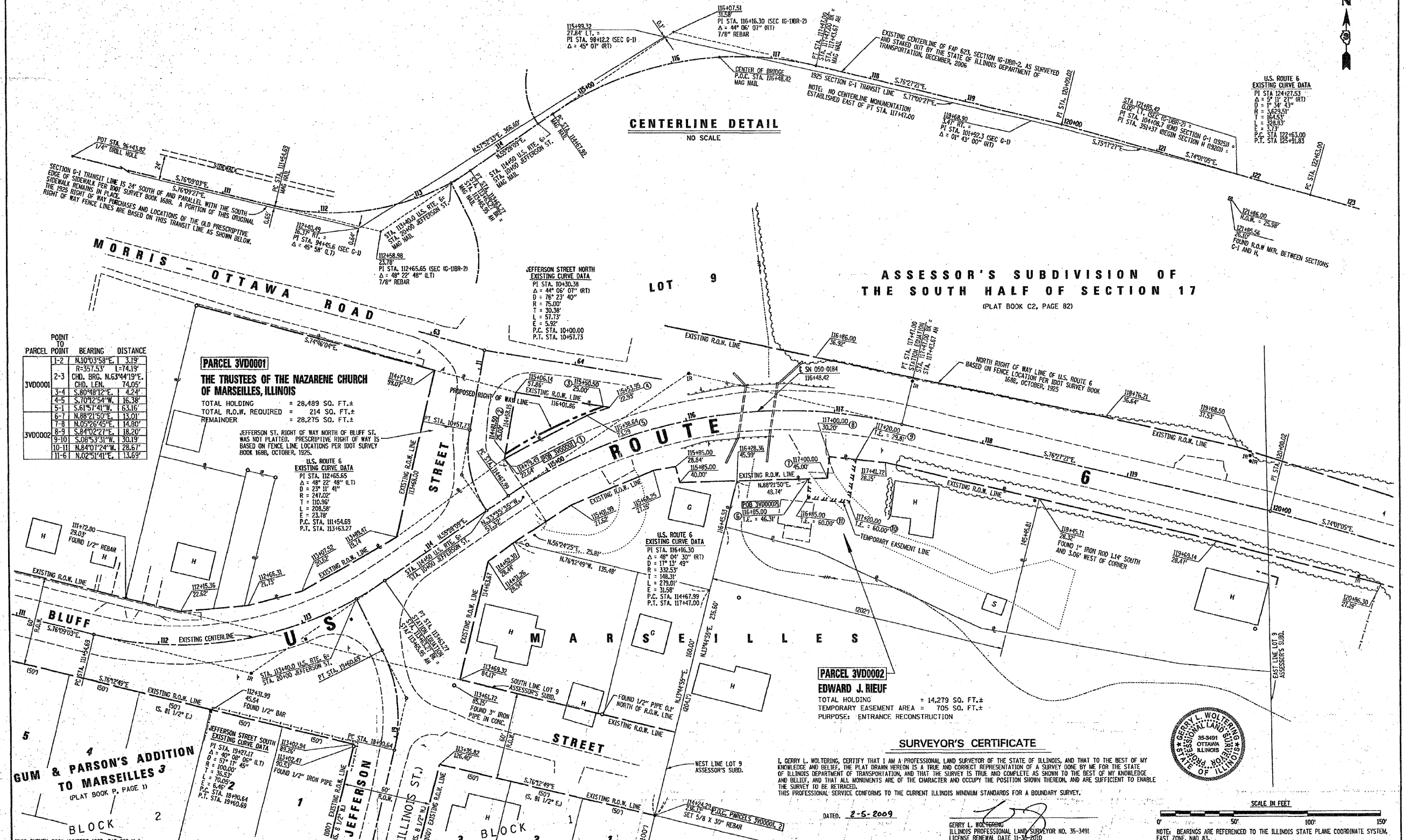
DESIGNED - JML
 REVISED -
 DRAWN - JJO
 REVISED -
 CHECKED - MSW
 REVISED -
 DATE - 11/07/11
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE
 PLAN AND PROFILE
 SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. 113+00 TO STA. 119+00

F.A.P. RTE. 623 SECTION (G-1) BR-2 COUNTY LASALLE TOTAL SHEETS 48 SHEET NO. 15 CONTRACT NO. 66972
 ILLINOIS FED. AID PROJECT

SW 1/4 OF SECTION 17, T. 33 N., R. 5 E., 3RD. P.M.



CENTERLINE DETAIL
NO SCALE

ASSESSOR'S SUBDIVISION OF THE SOUTH HALF OF SECTION 17
(PLAT BOOK C2, PAGE 82)

POINT TO	PARCEL POINT	BEARING	DISTANCE
	1-2	N.10°03'58"E	3.19'
	2-3	R-357.53'	L-74.19'
		CHD. BRG. N.63°44'19"E	CHD. LEN. 74.05'
	3-4	S.80°48'12"E	4.24'
	4-5	S.70°32'54"W	16.38'
	5-1	S.61°37'40"W	63.16'
	6-1	N.88°21'50"E	13.01'
	7-8	N.05°26'45"E	14.60'
	8-9	S.84°02'27"E	18.20'
	9-10	S.08°53'31"W	30.19'
	10-11	N.84°07'24"W	28.67'
	11-6	N.02°51'41"E	13.69'

PARCEL 3VD0001
THE TRUSTEES OF THE NAZARENE CHURCH OF MARSELLES, ILLINOIS
TOTAL HOLDING = 28,489 SQ. FT.±
TOTAL R.O.W. REQUIRED = 214 SQ. FT.±
REMAINDER = 28,275 SQ. FT.±

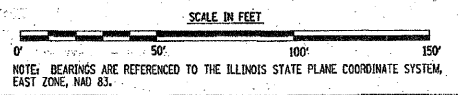
PARCEL 3VD0002
EDWARD J. RIEUF
TOTAL HOLDING = 14,279 SQ. FT.±
TEMPORARY EASEMENT AREA = 705 SQ. FT.±
PURPOSE: ENTRANCE RECONSTRUCTION

GUM & PARSON'S ADDITION TO MARSELLES 3 BLOCK
(PLAT BOOK P, PAGE 1)

SURVEYOR'S CERTIFICATE
I, GERRY L. WOLTERING, CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, AND THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE PLAT DRAWN HEREON IS A TRUE AND CORRECT REPRESENTATION OF A SURVEY DONE BY ME FOR THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT ALL MONUMENTS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



DATED: 2-5-2009



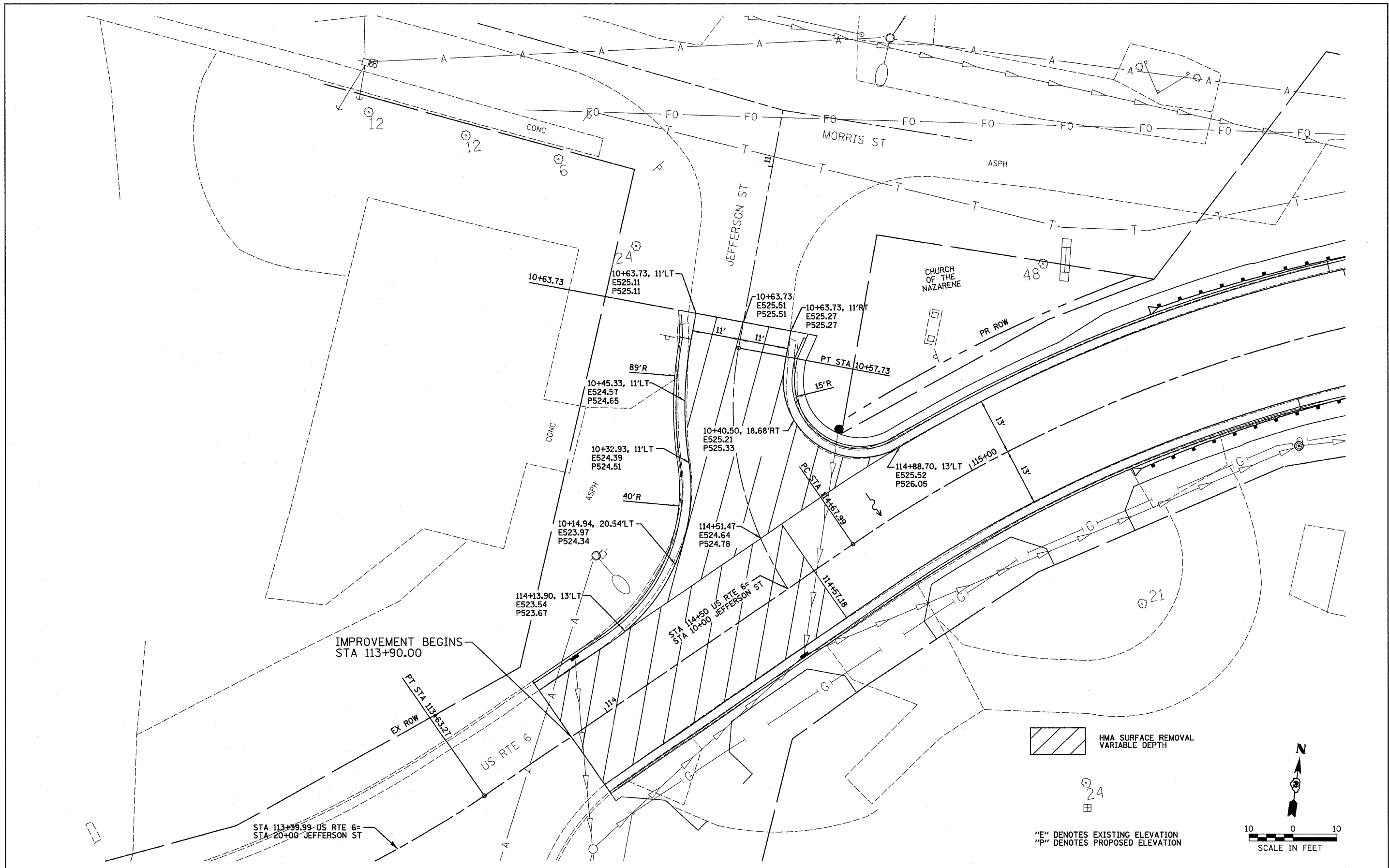
1001 SURVEY BOOK NUMBERS 1688, FAP 623-11-1

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ct:\pw\work\p\dot\w\olterings\fdms66647\rights of way plan sheet.dgn	USER NAME = #USER#	DRAWN - JJO	REVISED -
		CHECKED - MSW	REVISED -
		DATE - 11/07/11	REVISED -


ILLINOIS DEPARTMENT OF TRANSPORTATION
RIGHT-OF-WAY PLANS

FAP 623	SECTION (G)BR-2	LASALLE COUNTY	JOB NO. R-93-004-08
U.S. ROUTE 6			
SCALE: 1" = 30'	SHEET NUMBER 1 OF 1	STA. 111+00 TO STA. 120+00	

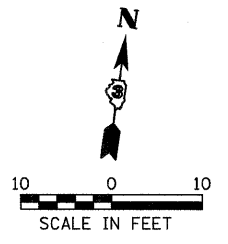
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		DRAWN - JJO	REVISED -				FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 66972		



 HMA SURFACE REMOVAL
VARIABLE DEPTH

24


"E" DENOTES EXISTING ELEVATION
"P" DENOTES PROPOSED ELEVATION



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - JML	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION DETAIL PLAN			F.A.P. RTE. 623	SECTION (G-1) BR-2	COUNTY LASALLE	TOTAL SHEETS 48	SHEET NO. 16A
	PLOT SCALE = #SCALE#	CHECKED - MSW	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 66972				
	PLOT DATE = #DATE#	DATE - 11/07/11	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
FARNSWORTH GROUP, INC.		CONSULTING ENGINEERS - 2709 MCGRAW DRIVE BLOOMINGTON, ILLINOIS 61704			(309) 663-8435 / (309) 663-1571 FAX			24-8559				

Benchmarks: 1.) BM #100 Railroad spike in power/light pole, Station 115+24.34/96.06' LT., Elevation = 527.48.
 2.) BM #101 Chiseled top of Northwest wingwall of bridge S.N. 050-0184, Station 116+40.24/19.29' LT., Elevation = 530.83.

Existing Structure: S.N. 050-0184 was constructed in 1980 as Section G-1-BR. The superstructure consists of a single span with eight precast, prestressed concrete deck beams with a cast-in-place curb, steel rail on each fascia beam and bituminous wearing surface. The substructure consists of concrete closed abutments and vertical cantilever wingwalls supported on spread footings. The back to back of abutments dimension measures 23'-5 1/2" and the out to out deck dimension measures 34'-8" with a 12° left forward skew. In 2008, temporary steel supports were added to support the three Southern-most precast prestressed deck beams. Bridge to be closed and traffic detoured during construction.

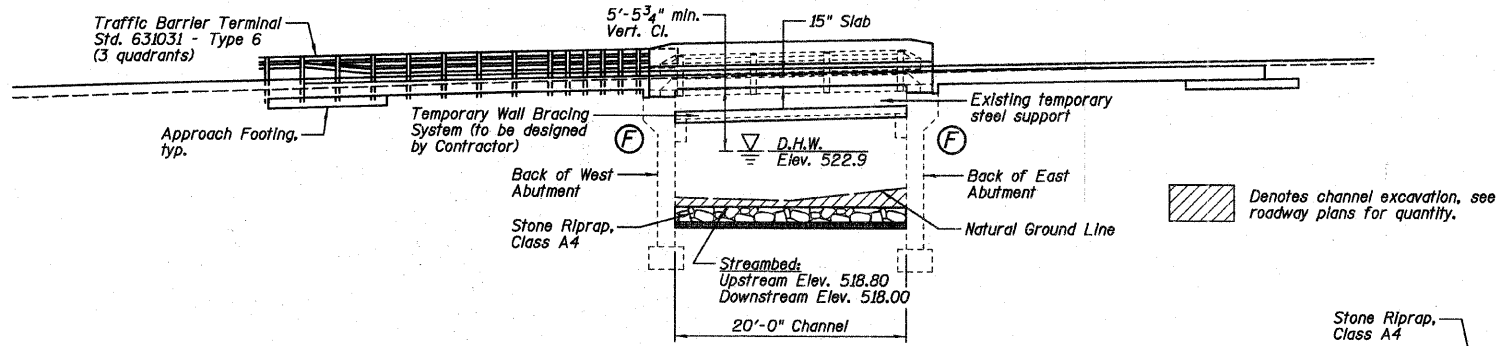
SCOUR INFORMATION

Design Scour Elevation	West Abutment	East Abutment
	514.54	515.67

WATERWAY INFORMATION

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Head - Ft.		Headwater El.	
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.
10	248	54	62	521.9	0.0	0.0	521.9	521.9
Design	50	390	74	82	522.9	0.0	0.0	522.9
Base	100	450	81	90	523.3	0.0	0.0	523.3
Overlapping								
Max. Calc.	500	596	98	106	524.1	0.1	0.0	524.2

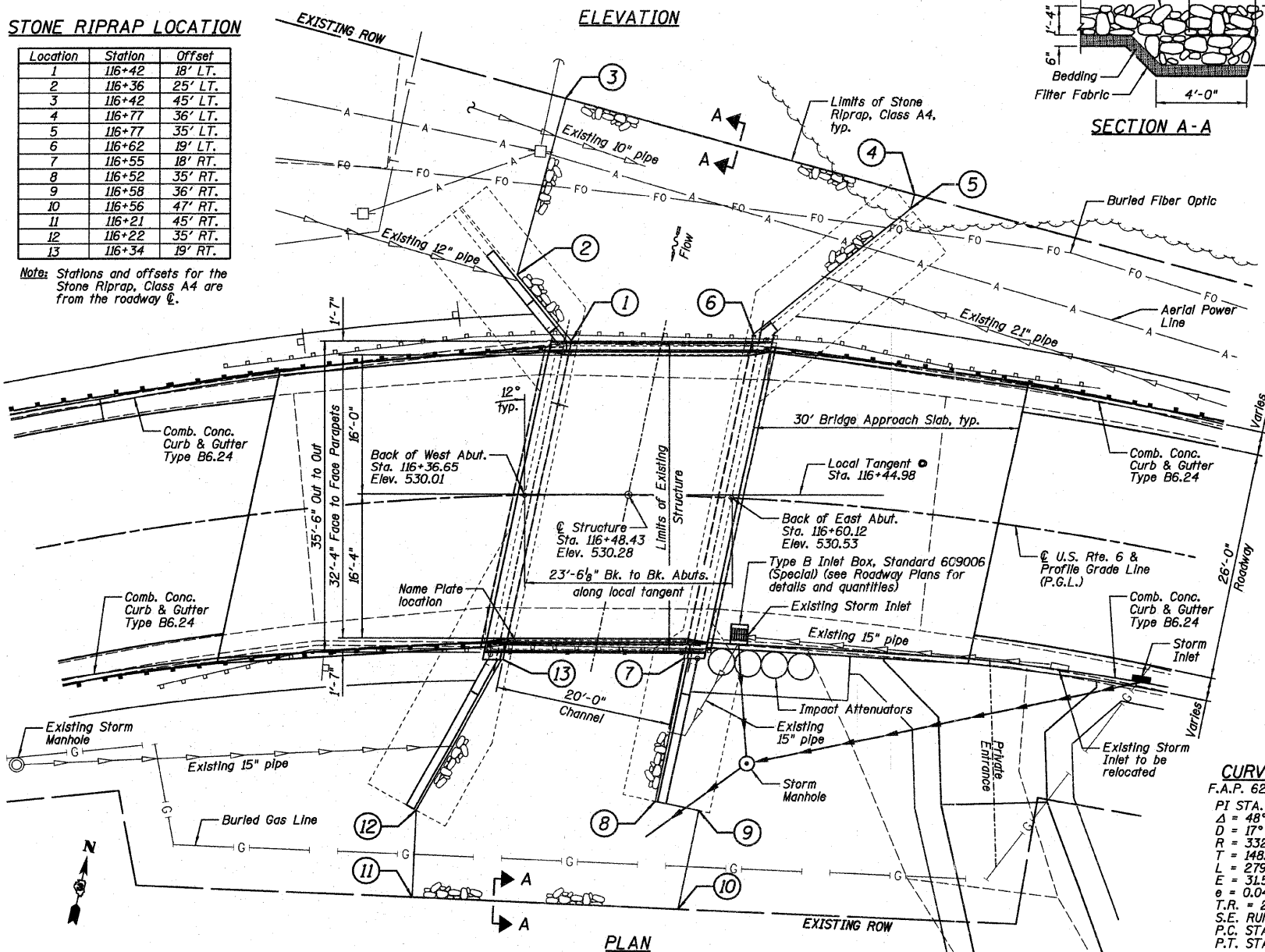
10 Yr. Velocity = 4.00 ft/sec. (Proposed)
 10 Yr. Velocity = 4.59 ft/sec. (Existing)



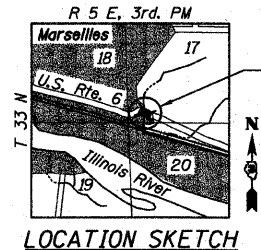
STONE RIPRAP LOCATION

Location	Station	Offset
1	116+42	18' LT.
2	116+36	25' LT.
3	116+42	45' LT.
4	116+77	36' LT.
5	116+77	35' LT.
6	116+62	19' LT.
7	116+55	18' RT.
8	116+52	35' RT.
9	116+58	36' RT.
10	116+56	47' RT.
11	116+21	45' RT.
12	116+22	35' RT.
13	116+34	19' RT.

Note: Stations and offsets for the Stone Riprap, Class A4 are from the roadway E.



CURVE DATA:
 F.A.P. 623 (U.S. Rte. 6)
 PI STA. = 116+16.30
 Δ = 48° 04' 30" (RT)
 D = 17° 13' 49"
 R = 332.53'
 T = 148.31'
 L = 279.01'
 E = 31.58'
 e = 0.045%
 T.R. = 26'
 S.E. RUN = 78'
 P.C. STA = 114+67.99
 P.T. STA = 117+47.00



DESIGN SPECIFICATIONS

2007 AASHTO LRFD Bridge Design Specifications, 4th Edition (with 2008 and 2009 Interim Revisions)

DESIGN STRESSES

FIELD UNITS
 f'c = 3,500 psi (Cast-In-Place)
 fy = 60,000 psi (Reinforcement)

EXISTING DESIGN STRESSES

fs = 24,000 psi (Reinforcement)
 fc = 1,000 psi (Cast-In-Place)
 vc = 56 psi
 n = 9

LOADING HL 93

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

SEISMIC DATA

NEW CONSTRUCTION

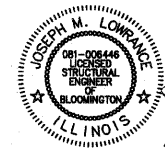
Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (SD1) = 0.071 g
 Design Spectral Acceleration at 0.2 sec. (SD2) = 0.127 g
 Soil Site Class = C

EXISTING SUBSTRUCTURE

Seismic Performance Category (SPC) = A
 Horizontal Bedrock Acceleration Coefficient = 0.039 g
 Site Coefficient = 1.0

INDEX TO SHEETS

SHEET NO.	TITLE
B1	GENERAL PLAN AND ELEVATION
B2	GENERAL DATA
B3	TOP OF SLAB ELEVATION LOCATIONS AND ELEVATIONS
B4	APPROACH SLAB ELEVATIONS
B5-B6	SUPERSTRUCTURE DECK
B7	SUPERSTRUCTURE CROSS SECTION
B8	SUPERSTRUCTURE DETAILS
B9	WEST BRIDGE APPROACH SLAB DETAILS
B10	EAST BRIDGE APPROACH SLAB DETAILS
B11	WEST ABUTMENT REMOVAL
B12	WEST ABUTMENT
B13	EAST ABUTMENT REMOVAL
B14	EAST ABUTMENT
B15-B20	EXISTING PLANS



JOSEPH M. LOWRANCE
 ILLINOIS STRUCTURAL ENGINEER
 NO. 081-006446
 Exp. Date 11/30/12

APPROVED
 FOR STRUCTURAL ADEQUACY ONLY
 ENGINEER OF BRIDGES AND STRUCTURES

GENERAL PLAN AND ELEVATION
U.S. ROUTE 6 OVER
UNNAMED TRIBUTARY
TO ILLINOIS RIVER
F.A.P. 623 - SECTION (G-1) BR-2
LASALLE COUNTY
STATION 116+48.43
STRUCTURE NO. 050-0184

Farnsworth GROUP, INC.
 2709 McGraw Drive
 Bloomington, Illinois 61704
 309/663-9435, 309/663-1571 fax

DESIGNED - JML	REVISOR
CHECKED - MSW	REVISOR
DRAWN - DJM	REVISOR
CHECKED - MSW	REVISOR

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. B1 OF 20 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G-1) BR-2	LASALLE	48	17

CONTRACT NO. 66972
 ILLINOIS FED. AID PROJECT

TOTAL BILL OF MATERIAL

ITEMS	UNITS	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.		255	255
Filter Fabric	Sq. Yd.		255	255
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		5.2	5.2
Concrete Structures	Cu. Yd.		24.5	24.5
Concrete Superstructure	Cu. Yd.	148.8		148.8
Bridge Deck Grooving	Sq. Yd.	285		285
Protective Coat	Sq. Yd.	350		350
Reinforcement Bars, Epoxy Coated	Pound	36,730	980	37,710
Name Plates	Each	1		1
Temporary Wall Bracing System	L Sum		1	1

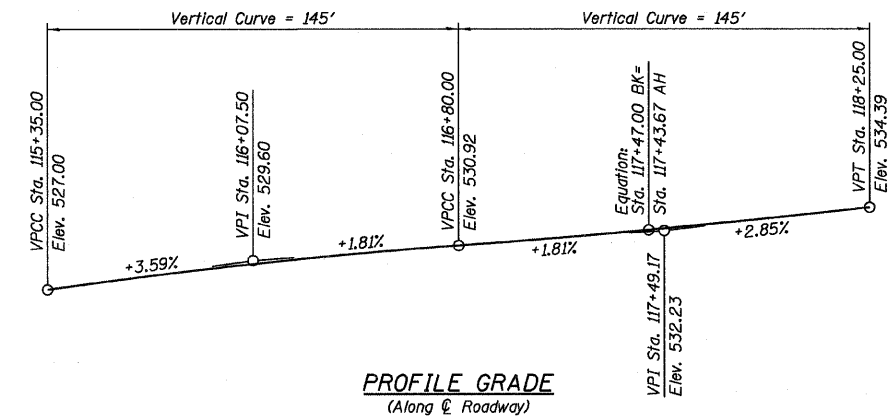
STATION 116+48.43
REBUILT 20__ BY
STATE OF ILLINOIS
F.A.P. RT. 623 SEC. (G-1) BR-2
LOADING HL93
STR. NO. 050-0184

NAME PLATE
See Standard 515001

Existing name plate shall be cleaned and relocated next to new name plate. Cost included with Name Plates.

GENERAL NOTES:

- 1.) Reinforcement bars shall conform to the requirements of ASTM A706 Gr. 60.
- 2.) Reinforcement bars designated (E) shall be epoxy coated.
- 3.) 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.
- 4.) Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- 5.) The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.
- 6.) Slipforming of parapets is not allowed.
- 7.) The Contractor is advised that the existing PPC deck beams are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures for the removal and replacement of the superstructure.
- 8.) The pay item Removal of Existing Superstructures shall include the removal of Temporary Support Connections at the Abutments, the Temporary Supports under the Superstructure Span and the removal of the Bituminous Wearing Surface on top of the existing deck.



Farnsworth
GROUP, INC.
2709 McGraw Drive
Bloomington, Illinois 61704
309/663-9435, 309/665-1571 fax

DESIGNED - JML	REVISED
CHECKED - MSW	REVISED
DRAWN - DJM	REVISED
DATE - 11/07/11	CHECKED - MSW
	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
STRUCTURE NO. 050-0184**

SHEET NO. B2 OF 20 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G-1) BR-2	LASALLE	48	18
CONTRACT NO. 66972			ILLINOIS FED. AID PROJECT	

NORTH FACE OF PARAPET

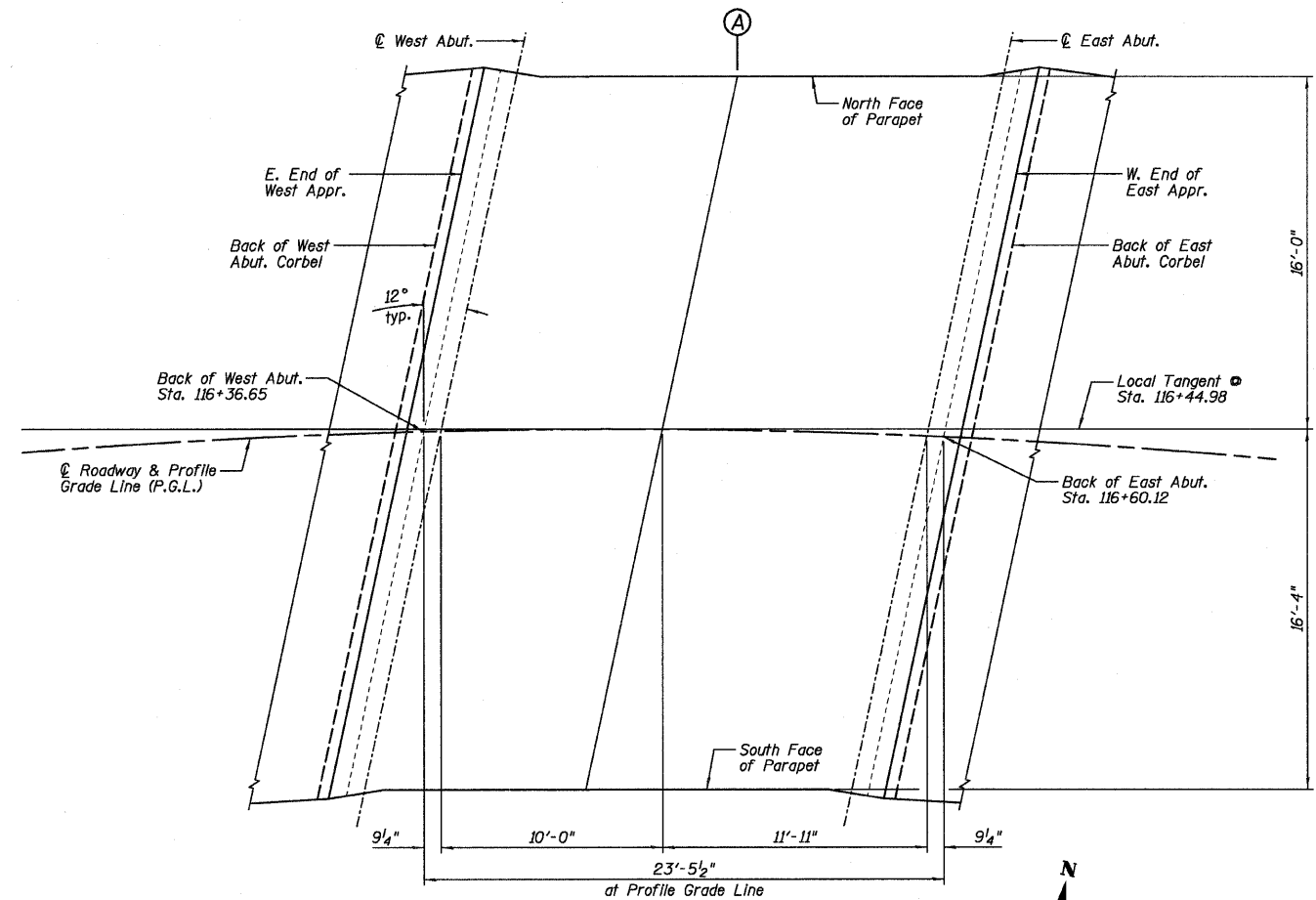
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Back of West Abut.	116+40.36	-16.33	530.84	530.84
☉ West Abut.	116+41.07	-16.19	530.85	530.85
A	116+50.56	-16.05	531.05	531.06
☉ East Abut.	116+62.01	-16.61	531.32	531.32
Back of East Abut.	116+62.76	-16.78	531.34	531.34

☉ ROADWAY & PROFILE GRADE LINE (P.G.L.)

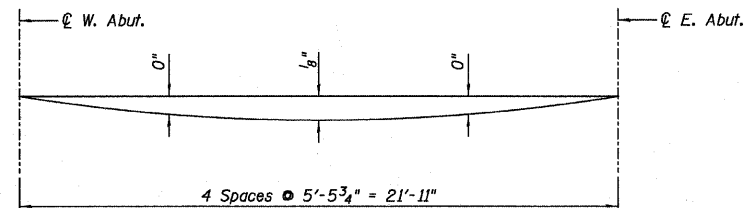
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Back of West Abut.	116+36.65	0.00	530.02	530.02
☉ West Abut.	116+37.42	0.00	530.03	530.03
A	116+47.42	0.00	530.26	530.27
☉ East Abut.	116+59.36	0.00	530.52	530.52
Back of East Abut.	116+60.12	0.00	530.53	530.53

SOUTH FACE OF PARAPET

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Back of West Abut.	116+32.53	16.40	529.18	529.18
☉ West Abut.	116+33.37	16.29	529.20	529.20
A	116+43.90	16.33	529.45	529.45
☉ East Abut.	116+56.48	16.31	529.72	529.72
Back of East Abut.	116+57.26	16.41	529.73	529.73



ELEVATION LOCATION PLAN



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only)

The above deflections are not for use in the field if the Engineer is working from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection."

NORTH CURB LINE

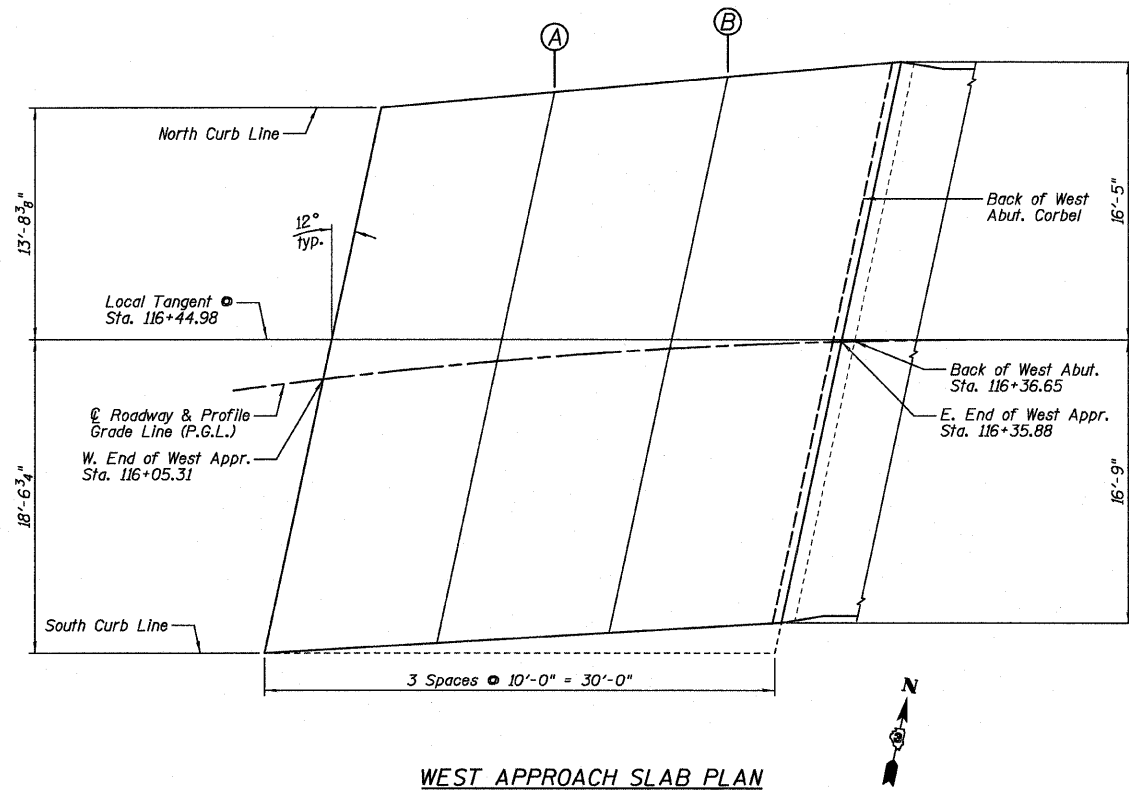
Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr.	116+10.38	-15.58	530.06
A	116+20.15	-15.58	530.31
B	116+29.92	-15.87	530.57
E. End of West Appr.	116+39.66	-16.46	530.83
Back of West Abut.	116+40.36	-16.33	530.84

☉ ROADWAY & PROFILE GRADE LINE (P.G.L.)

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr.	116+05.31	0.00	529.22
A	116+15.59	0.00	529.50
B	116+25.78	0.00	529.75
E. End of West Appr.	116+35.88	0.00	530.00
Back of West Abut.	116+36.65	0.00	530.02

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
W. End of West Appr.	115+99.70	15.93	528.35
A	116+10.34	16.24	528.63
B	116+21.01	16.53	528.89
E. End of West Appr.	116+31.69	16.50	529.16
Back of West Abut.	116+32.53	16.40	529.18



WEST APPROACH SLAB PLAN

NORTH CURB LINE

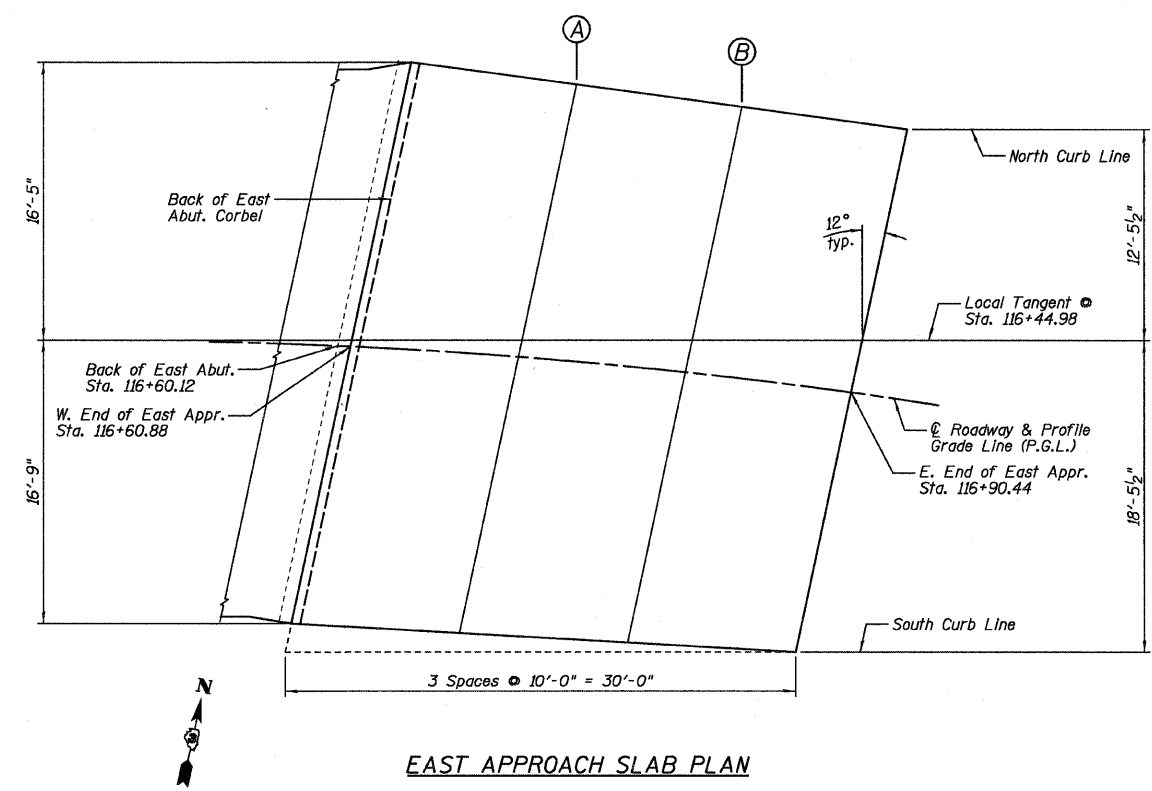
Location	Station	Offset	Theoretical Grade Elevations
Back of East Abut.	116+62.76	-16.78	531.34
W. End of East Appr.	116+63.51	-16.96	531.36
A	116+72.83	-16.32	531.52
B	116+82.18	-15.95	531.68
E. End of East Appr.	116+91.54	-15.86	531.85

☉ ROADWAY & PROFILE GRADE LINE (P.G.L.)

Location	Station	Offset	Theoretical Grade Elevations
Back of East Abut.	116+60.12	0.00	530.53
W. End of East Appr.	116+60.88	0.00	530.55
A	116+70.77	0.00	530.74
B	116+80.62	0.00	530.93
E. End of East Appr.	116+90.44	0.00	531.11

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
Back of East Abut.	116+57.26	16.41	529.73
W. End of East Appr.	116+58.05	16.51	529.75
A	116+68.46	16.53	529.95
B	116+78.87	16.25	530.16
E. End of East Appr.	116+89.24	15.65	530.39



EAST APPROACH SLAB PLAN

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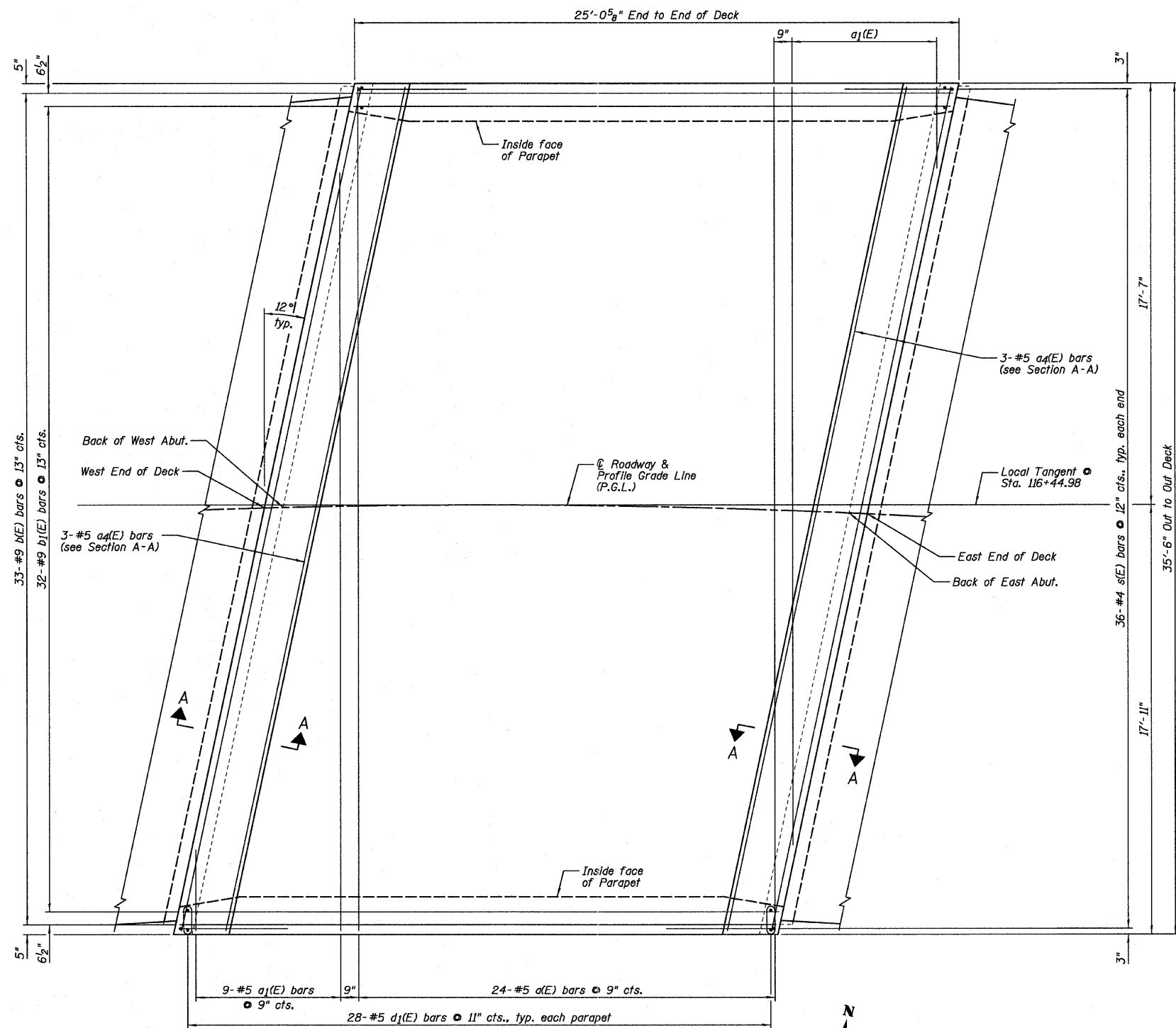
DESIGNED - JML	REVISED
CHECKED - MSW	REVISED
DRAWN - DJM	REVISED
DATE - 11/07/11	CHECKED - MSW
	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**APPROACH SLAB ELEVATIONS
 STRUCTURE NO. 050-0184**

SHEET NO. B4 OF 20 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G-1) BR-2	LASALLE	48	20
CONTRACT NO. 66972			ILLINOIS FED. AID PROJECT	

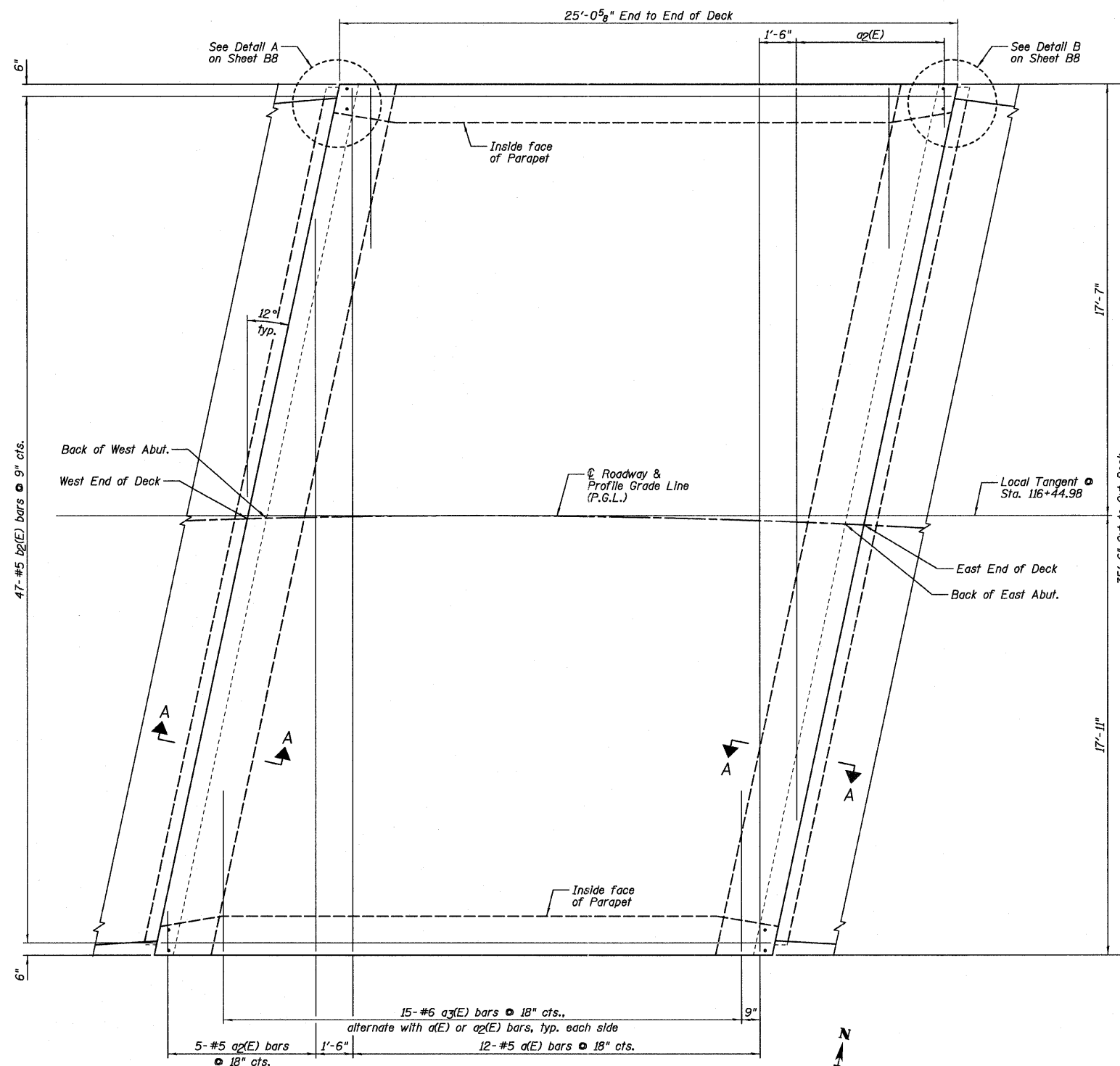


BOTTOM OF SLAB PLAN



- NOTES:**
- 1.) See Sheet B8 for Superstructure Details and Bill of Material.
 - 2.) See Sheet B7 for Section A-A.
 - 3.) Order a₁(E) bars full length. Cut according to Bar Cutting Diagram on Sheet B8. Use remainder of bars in opposite corner of deck.

Farnworth GROUP, INC. 2709 McCraw Drive Bloomington, Illinois 61704 309/663-8435, 309/663-1571 fax	DESIGNED - JML	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE DECK STRUCTURE NO. 050-0184	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CHECKED - MSW	REVISED			623	(G-1) BR-2	LASALLE	48	21
DRAWN - DJM	REVISED	CONTRACT NO. 66972							
DATE - 11/07/11	CHECKED - MSW	REVISED			ILLINOIS FED. AID PROJECT				
				SHEET NO. B5 OF 20 SHEETS					

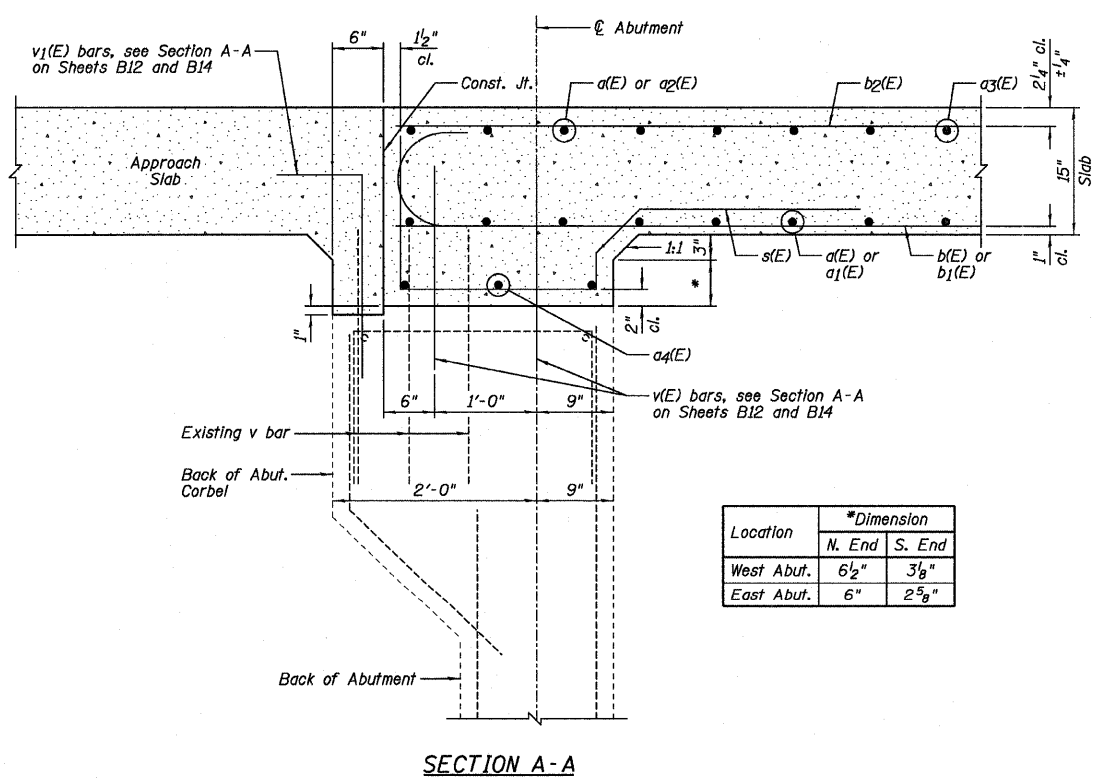
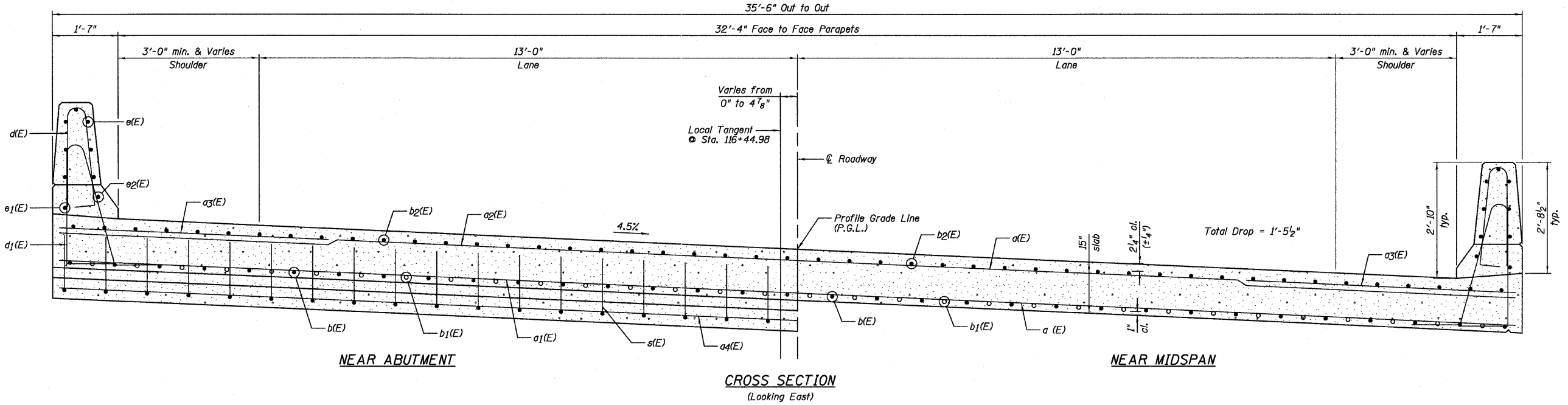


TOP OF SLAB PLAN

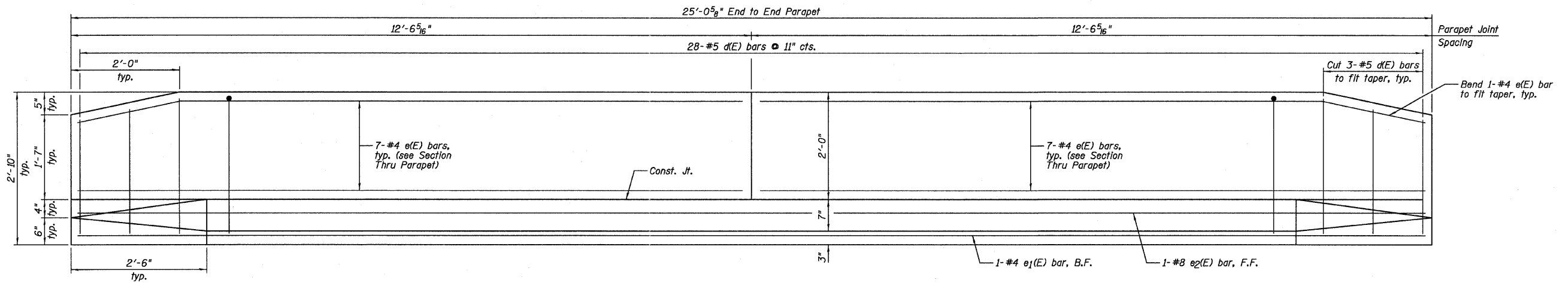
NOTES:

- 1.) See Sheet B8 for Superstructure Details and Bill of Material.
- 2.) See Sheet B7 for Section A-A.
- 3.) Order a1(E) bars full length. Cut according to Bar Cutting Diagram on Sheet B8. Use remainder of bars in opposite corner of deck.

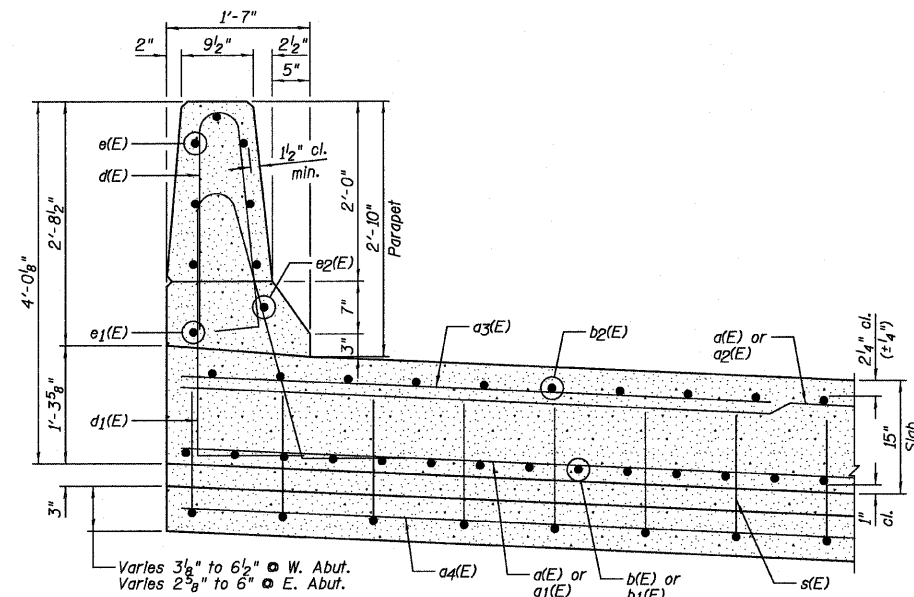
<p>Farnsworth GROUP, INC. 2709 McOran Drive Bloomington, Illinois 61704 309/863-9435, 309/863-1571 fax</p>	DESIGNED - JML	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE DECK STRUCTURE NO. 050-0184	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CHECKED - MSW	REVISED			623	(G-1) BR-2	LASALLE	48	22
	DRAWN - DJM	REVISED			CONTRACT NO. 66972				
	DATE - 11/07/11	CHECKED - MSW			REVISED	ILLINOIS FED. AID PROJECT			
					SHEET NO. B6 OF 20 SHEETS				



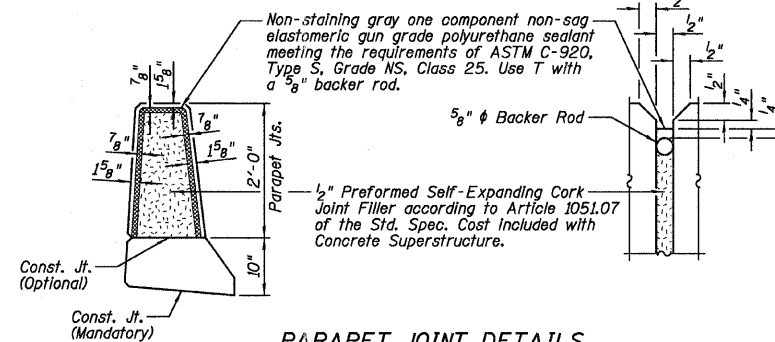
NOTES:
 1.) For Section Thru Parapet, see Sheet B8.
 2.) For locations of Section A-A, see Sheets B5 & B6.



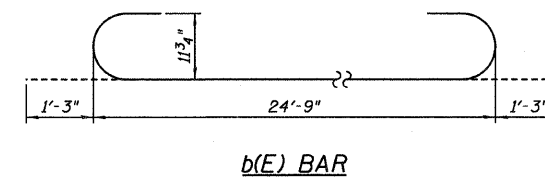
INSIDE ELEVATION OF PARAPET



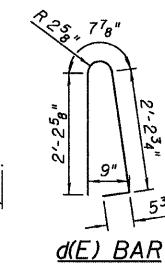
SECTION THRU PARAPET - NEAR ABUTMENT



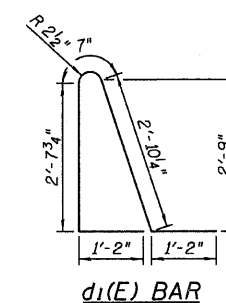
PARAPET JOINT DETAILS



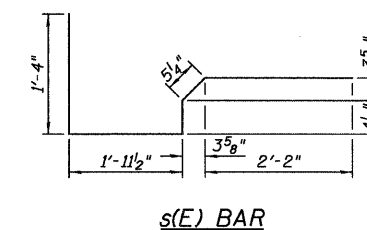
b(E) BAR



d(E) BAR



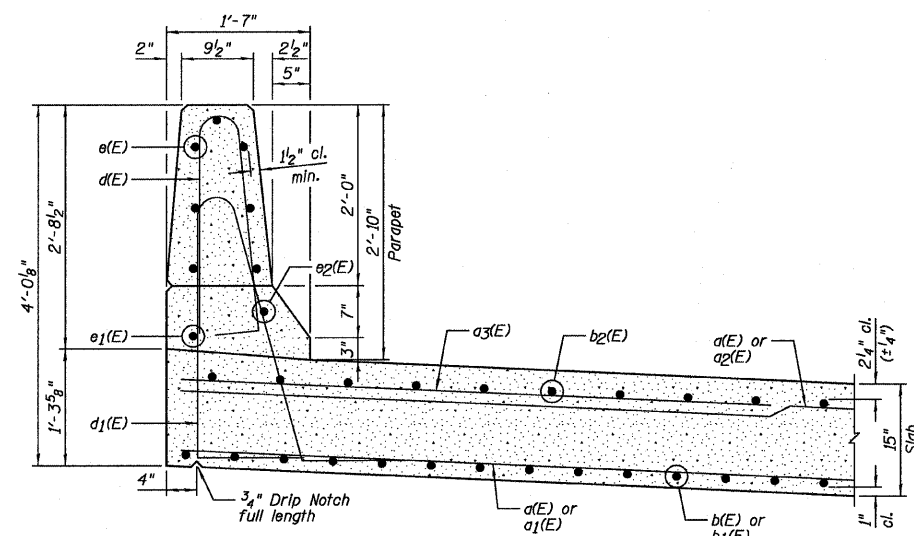
d1(E) BAR



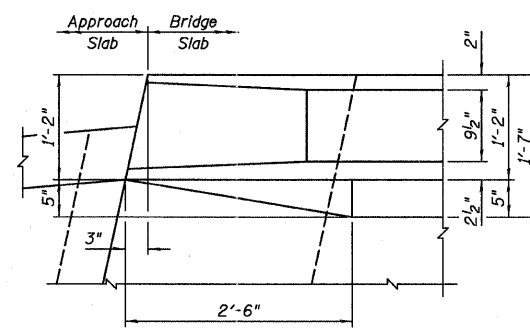
s(E) BAR

SUPERSTRUCTURE BILL OF MATERIAL

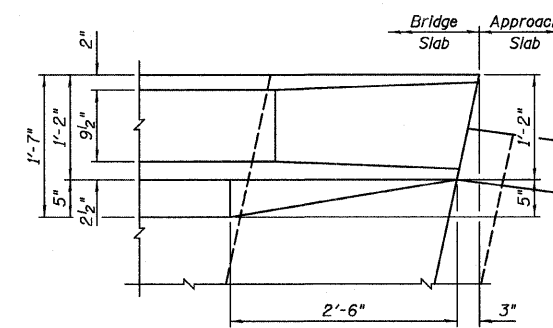
Bar	No.	Size	Length	Shape
a(E)	36	#5	35'-2"	
a1(E)	9	#5	34'-11"	
a2(E)	5	#5	31'-5"	
a3(E)	30	#6	6'-6"	
a4(E)	6	#5	35'-11"	
b(E)	33	#9	27'-3"	
b1(E)	32	#9	24'-9"	
b2(E)	47	#5	24'-9"	
d(E)	56	#5	5'-7"	
d1(E)	56	#5	8'-5"	
e(E)	28	#4	12'-3"	
e1(E)	2	#4	24'-9"	
e2(E)	2	#8	24'-9"	
s(E)	72	#4	6'-3"	
Item	Unit	Quantity		
Concrete Superstructure	Cu. Yd.	50.8		
Reinforcement Bars, Epoxy Coated	Pound	10,810		



SECTION THRU PARAPET - NEAR MIDSPAN

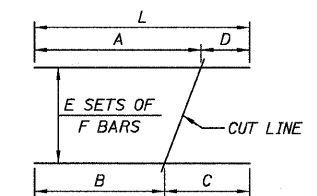


DETAIL A



DETAIL B

BAR CUTTING DIAGRAM



BAR	A	B	C	D	E	F	L
a1(E)	31'-7"	3'-4"	31'-7"	3'-4"	1	9	34'-11"
a2(E)	29'-10"	1'-7"	29'-10"	1'-7"	1	5	31'-5"

NOTES:

- 1.) B.F. Denotes Back Face and F.F. Denotes Front Face.
- 2.) For location of Detail A and Detail B, see Sheet B6.

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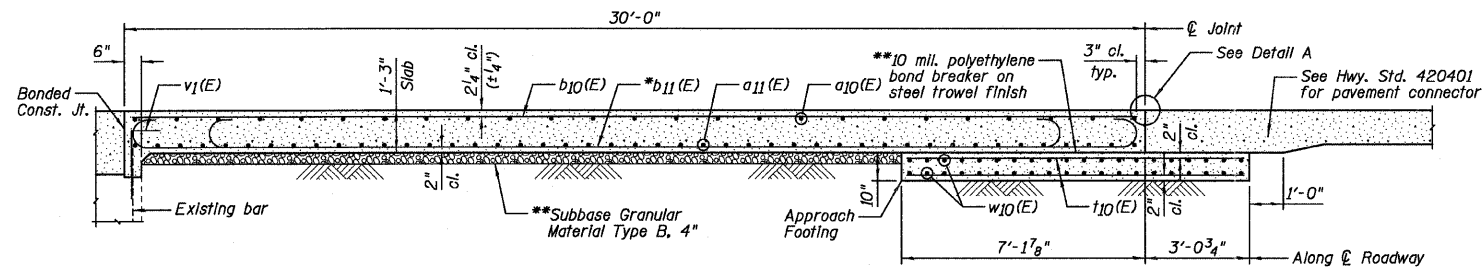
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 050-0184

SHEET NO. B8 OF 20 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G-1) BR-2	LASALLE	48	24
CONTRACT NO. 66972				
ILLINOIS FED. AID PROJECT				



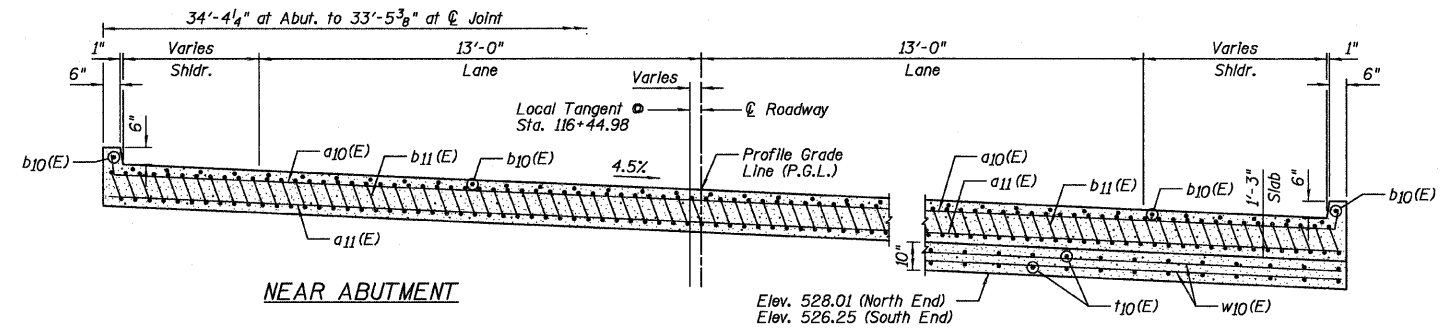
SECTION A-A

* Tilt #9 b11(E) bars as required to maintain clearance.
 ** Cost Included with Concrete Superstructure.

APPROACH FOOTING
 DIMENSION TABLE

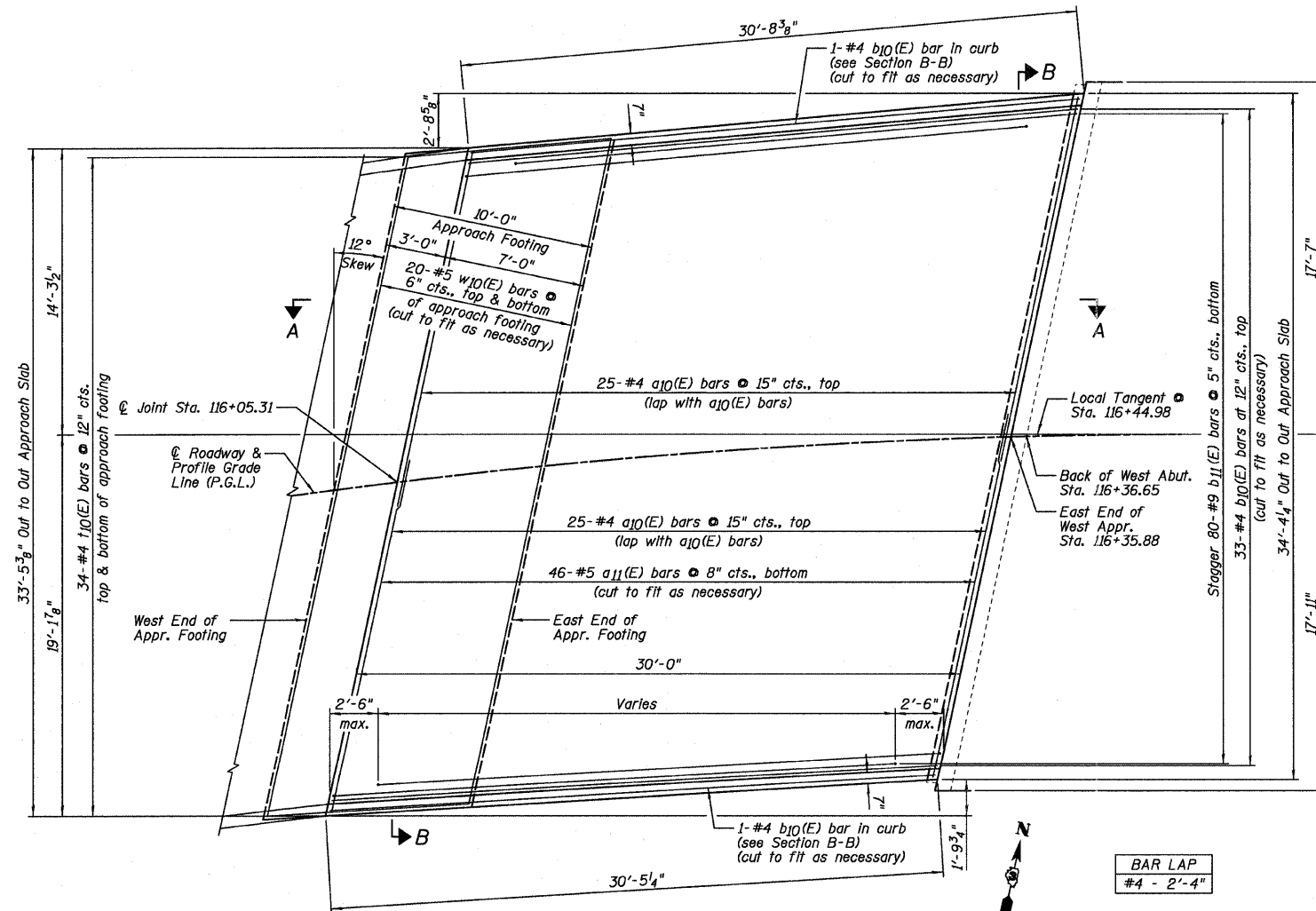
Location	Dimension
West End	33'-4 3/8"
East End	33'-8"

Note: Dimensions are measured perpendicular to Local Tangent Line.

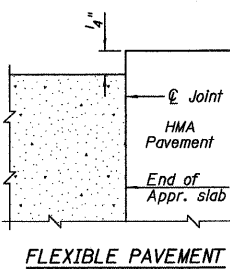
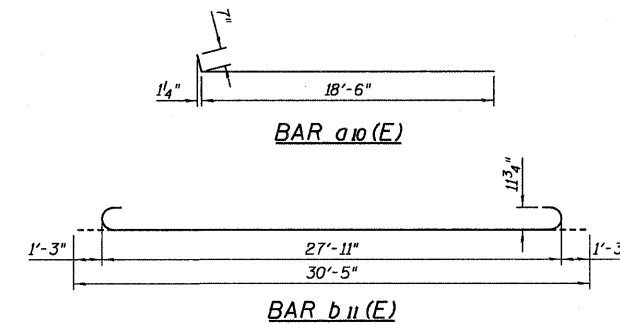


SECTION B-B

AT APPROACH FOOTING



WEST APPROACH PLAN



DETAIL A

WEST APPROACH SLAB
 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	50	#4	19'-1"	
a11(E)	46	#5	34'-9"	
b10(E)	35	#4	30'-4"	
b11(E)	80	#9	30'-5"	
t10(E)	68	#4	9'-10"	
w10(E)	40	#5	33'-9"	
Item	Unit	Quantity		
Concrete Structures	Cu. Yd.	10.3		
Concrete Superstructure	Cu. Yd.	50.4		
Reinforcement Bars, Epoxy Coated	Pound	13,140		

NOTES:

- a10(E) and a11(E) bar spacings measured along Local Tangent Line.
- Tilt #9 b11(E) bars as required to maintain clearance.
- Approach Slab concrete shall be paid for as Concrete Superstructure.
- Approach Footing concrete shall be paid for as Concrete Structures.
- Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
- For v1(E) bar details, see Sheet B12.
- The Approach Footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
- Cost of excavation for Approach Footing Included with Concrete Structures.

Farnsworth
 GROUP, INC.
 2709 McCraw Drive
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 309/663-8435, 309/663-1571 fax

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 CHECKED - MSW
 DATE - 11/07/11

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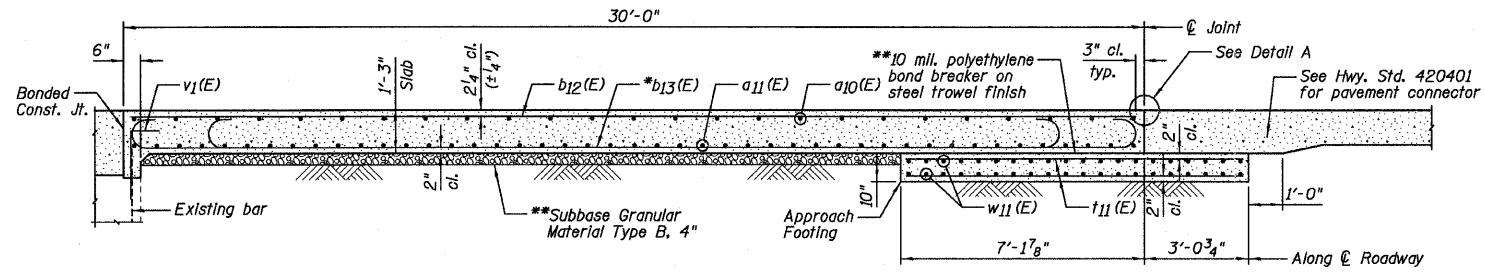
STATE OF ILLINOIS
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WEST BRIDGE APPROACH SLAB DETAILS
 STRUCTURE NO. 050-0184

SHEET NO. B9 OF 20 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G-1) BR-2	LASALLE	48	25
CONTRACT NO. 66972				

ILLINOIS FED. AID PROJECT



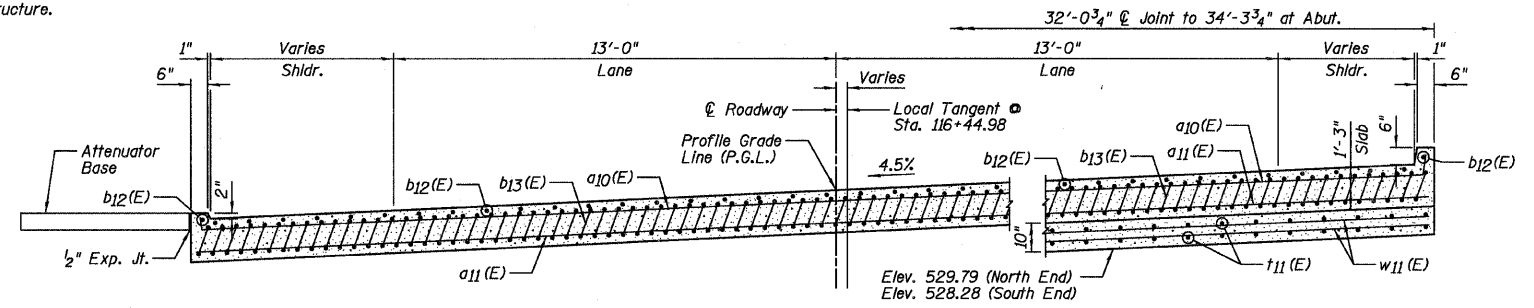
APPROACH FOOTING DIMENSION TABLE

Location	Dimension
West End	32'-7 1/4"
East End	31'-10"

Note: Dimensions are measured perpendicular to Local Tangent Line.

SECTION A-A

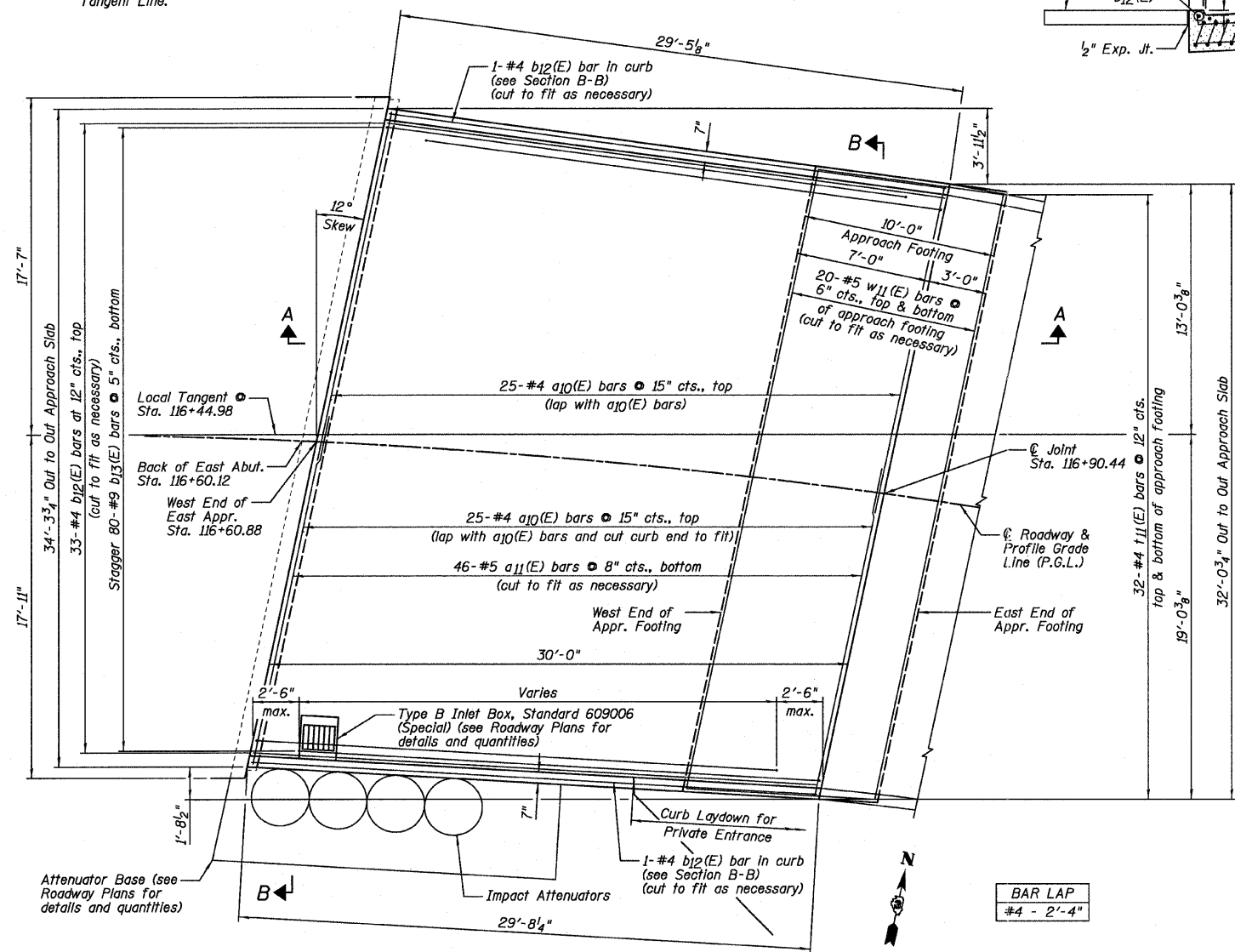
* Tilt #9 b11(E) bars as required to maintain clearance.
 ** Cost Included with Concrete Superstructure.



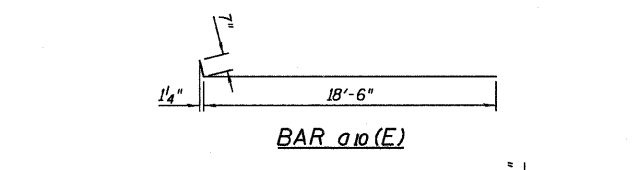
NEAR ABUTMENT

SECTION B-B

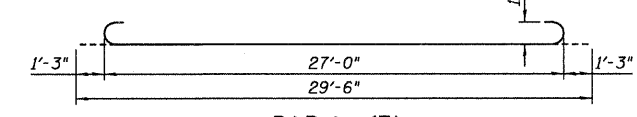
AT APPROACH FOOTING



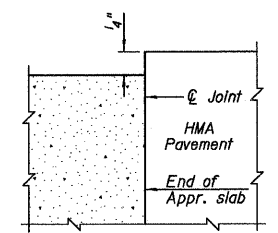
EAST APPROACH PLAN



BAR a10(E)



BAR b13(E)



FLEXIBLE PAVEMENT

DETAIL A

EAST APPROACH SLAB BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	50	#4	19'-1"	U
a11(E)	46	#5	34'-9"	U
b12(E)	35	#4	29'-4"	U
b13(E)	80	#9	29'-6"	U
t11(E)	64	#4	9'-11"	U
w11(E)	40	#5	32'-3"	U
Item				
Concrete Structures			Unit	Quantity
Concrete			Cu. Yd.	9.9
Concrete Superstructure			Cu. Yd.	47.6
Reinforcement Bars, Epoxy Coated			Pound	12,780

NOTES:

- 1.) a10(E) and a11(E) bar spacings measured along Local Tangent Line.
- 2.) Tilt #9 b11(E) bars as required to maintain clearance.
- 3.) Approach Slab concrete shall be paid for as Concrete Superstructure.
- 4.) Approach Footing concrete shall be paid for as Concrete Structures.
- 5.) Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
- 6.) For v1(E) bar details, see Sheet B14.
- 7.) The Approach Footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
- 8.) Cost of excavation for Approach Footing Included with Concrete Structures.

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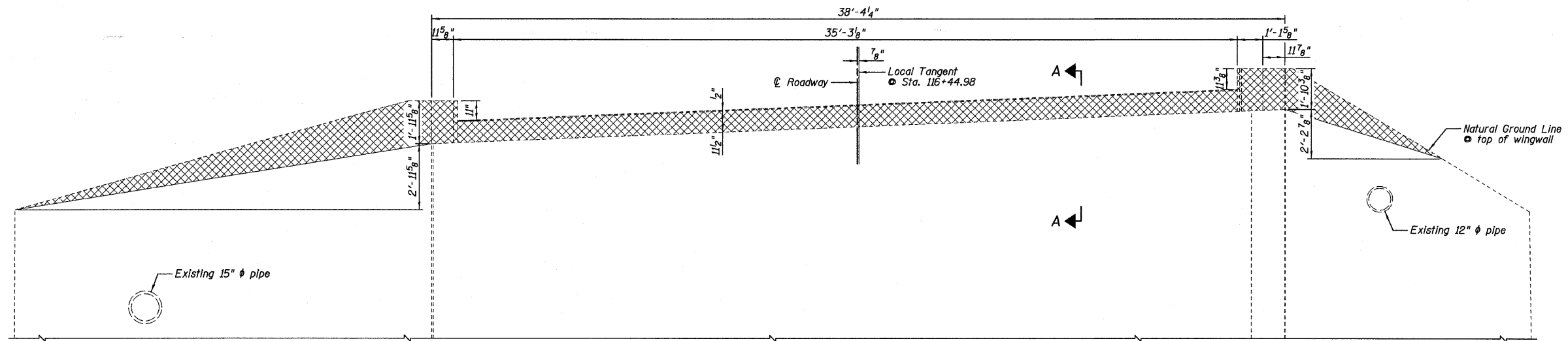
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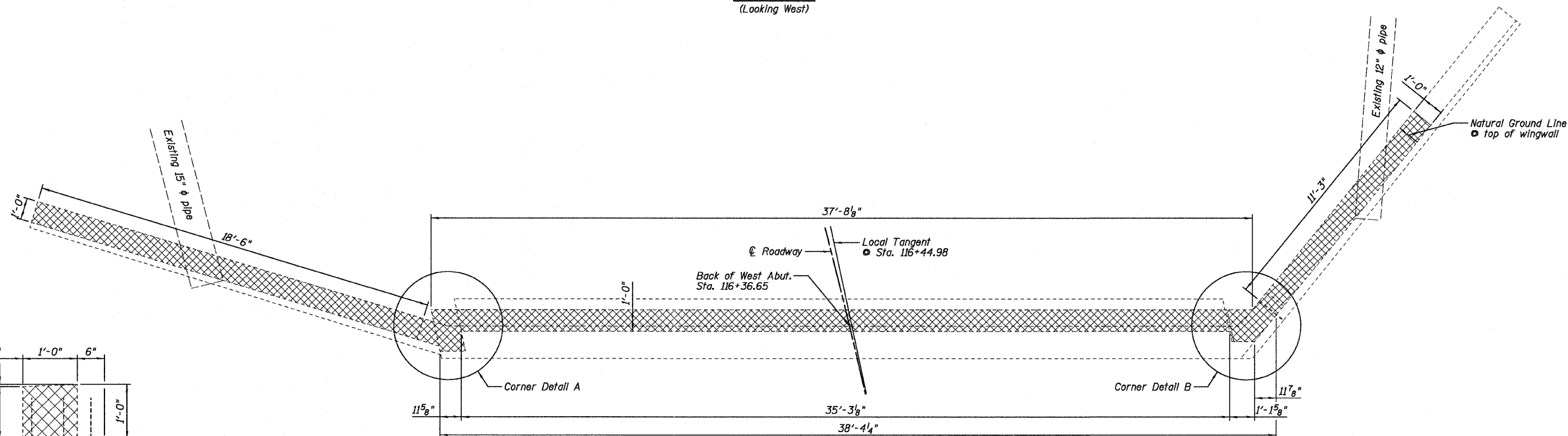
EAST BRIDGE APPROACH SLAB DETAILS STRUCTURE NO. 050-0184

SHEET NO. B10 OF 20 SHEETS

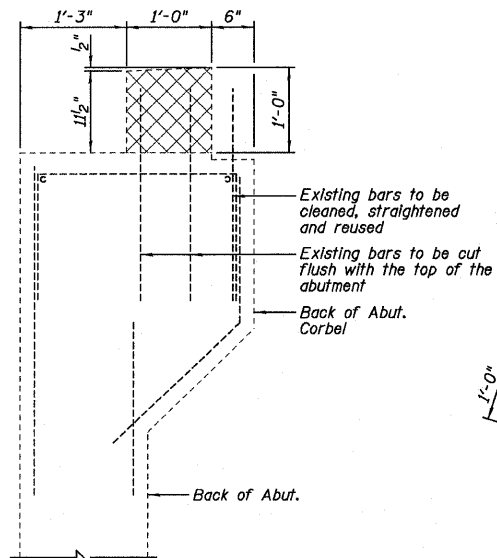
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G-1) BR-2	LASALLE	48	26
CONTRACT NO. 66972				
ILLINOIS FED. AID PROJECT				



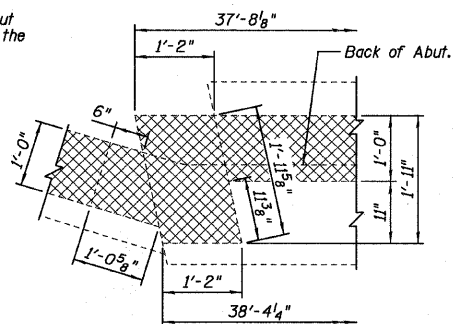
ELEVATION
(Looking West)



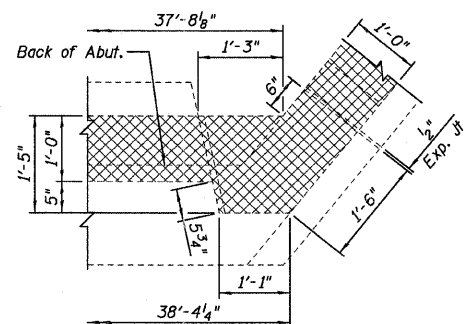
PLAN



SECTION A-A



CORNER DETAIL A



CORNER DETAIL B

LEGEND

Concrete Removal

BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	Cu. Yd.	2.7

NOTES:

- Existing reinforcement not extended into new concrete shall be cut off flush.
- Existing reinforcement extended into new concrete shall be cleaned, straightened and incorporated into new construction. Cost included with "Concrete Removal".

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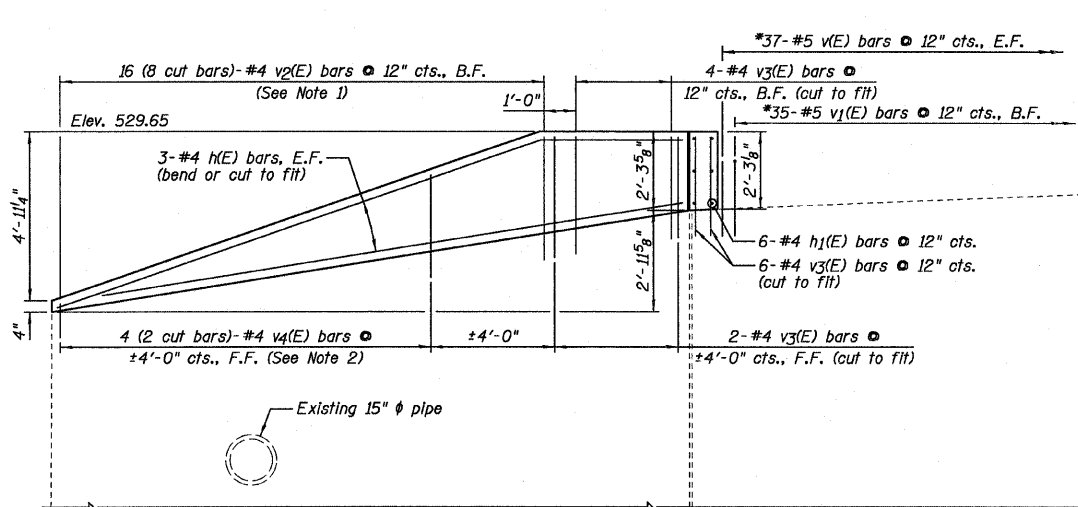
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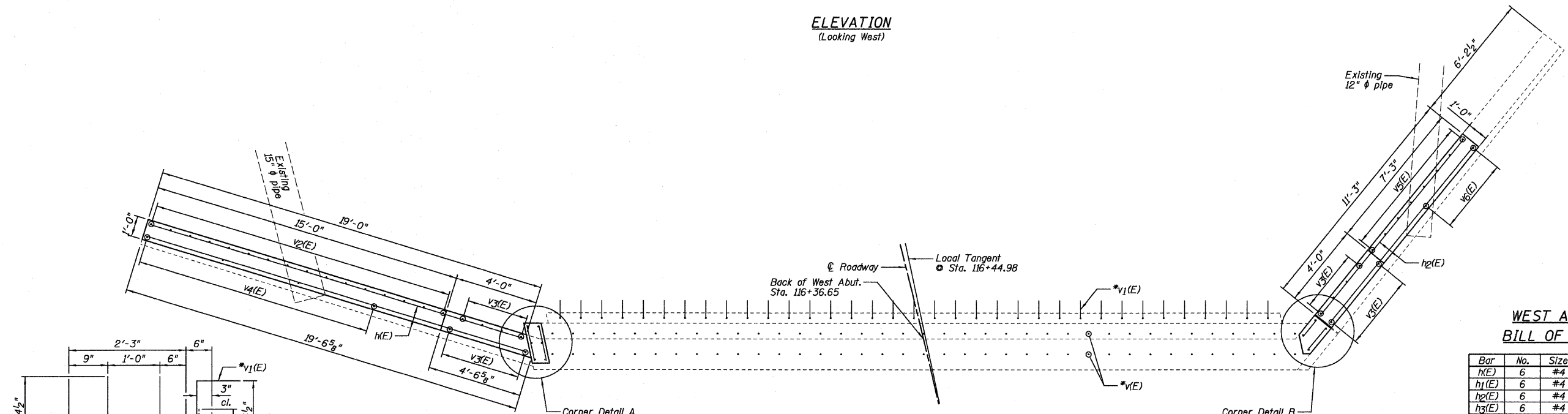
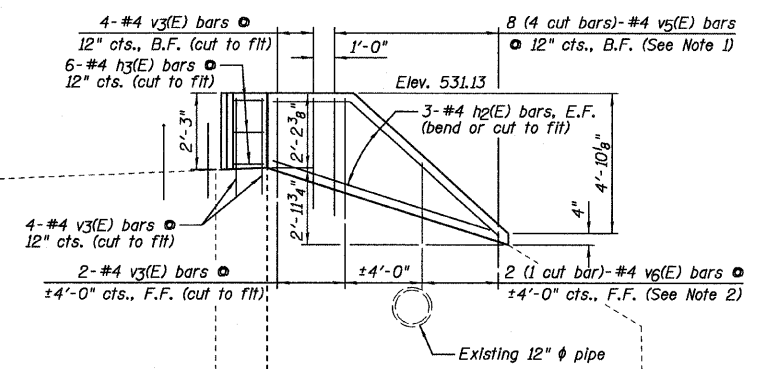
WEST ABUTMENT REMOVAL
STRUCTURE NO. 050-0184

SHEET NO. B11 OF 20 SHEETS

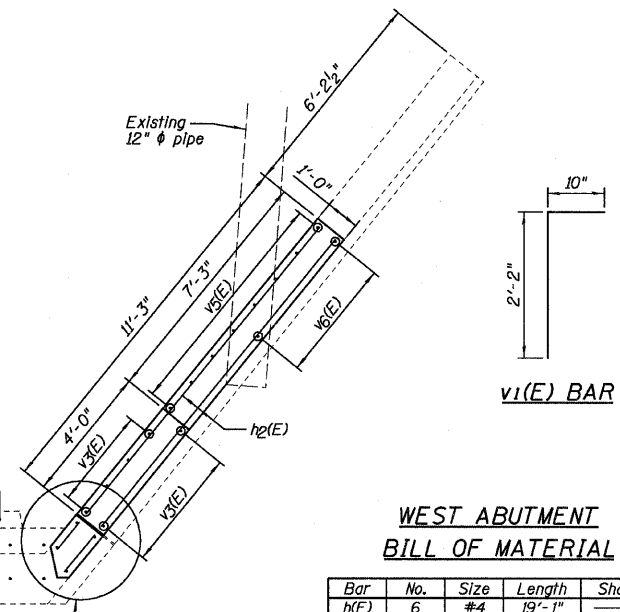
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G-1) BR-2	LASALLE	48	27
CONTRACT NO. 66972				
ILLINOIS FED. AID PROJECT				



ELEVATION
(Looking West)

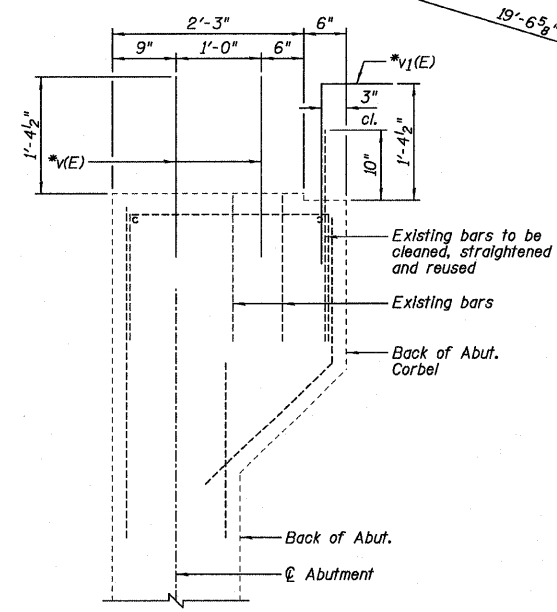


PLAN

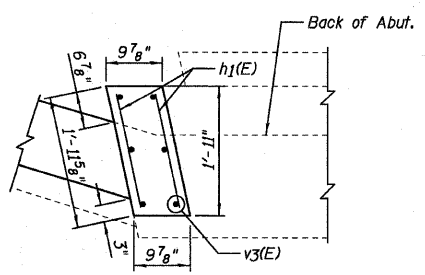


WEST ABUTMENT
BILL OF MATERIAL

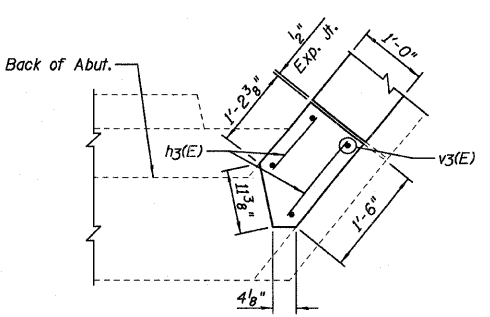
Bar	No.	Size	Length	Shape
h(E)	6	#4	19'-1"	
h1(E)	6	#4	1'-8"	
h2(E)	6	#4	10'-11"	
h3(E)	6	#4	1'-4"	
v(E)	74	#5	2'-2"	
v1(E)	35	#5	3'-0"	
v2(E)	8	#4	4'-7"	
v3(E)	22	#4	3'-9"	
v4(E)	2	#4	4'-0"	
v5(E)	4	#4	4'-9"	
v6(E)	1	#4	3'-5"	
Item		Unit	Quantity	
Concrete Structures		Cu. Yd.	2.4	
Reinforcement Bars, Epoxy Coated		Pound	510	



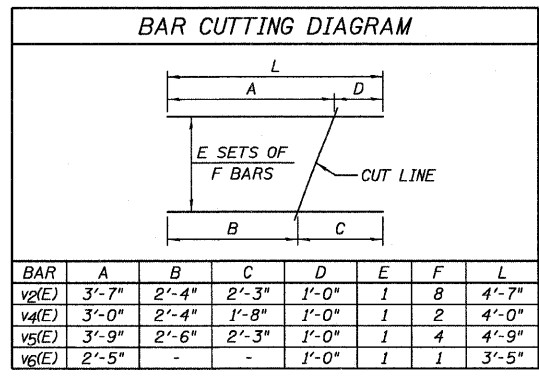
SECTION A-A



CORNER DETAIL A



CORNER DETAIL B



NOTES:

- Order v2(E) and v5(E) bars full length. Cut according to the Bar Cutting Diagram. Use all bars in the back face of the wall.
- Order v4(E) and v6(E) bars full length. Cut according to the Bar Cutting Diagram. Use all bars in the front face of the wall.
- Drill & epoxy grout v(E) thru v6(E) bars in min. 9" according to Section 584 of the Standard Specification. The type of epoxy grout shall be approved by the Engineer.
- *Drill & epoxy grout v(E) & v1(E) bars between existing v bars.
- B.F. denotes Back Face, F.F. denotes Front Face & E.F. denotes Each Face.

Farnsworth
GROUP, INC.
2709 McCreary Drive
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309/663-8435, 309/663-1571 fax

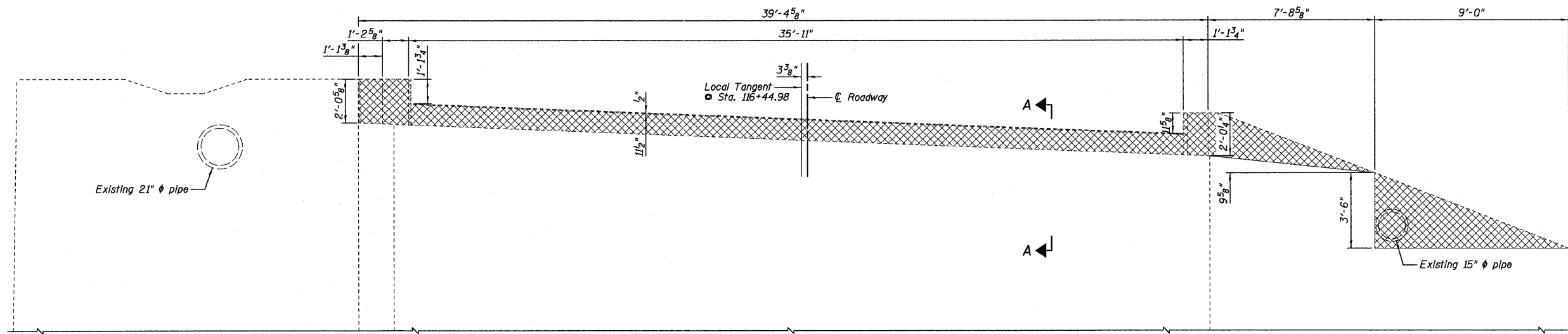
DESIGNED - JML
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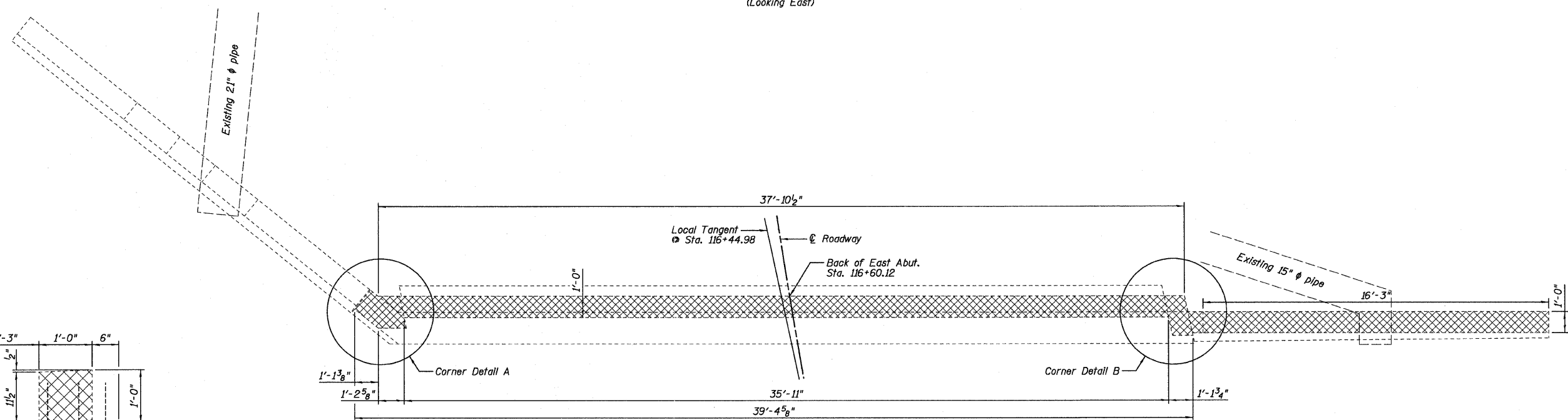
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT
STRUCTURE NO. 050-0184
SHEET NO. B12 OF 20 SHEETS

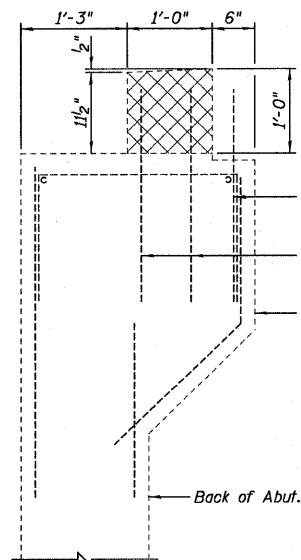
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G-1) BR-2	LASALLE	48	28
CONTRACT NO. 66972			ILLINOIS FED. AID PROJECT	



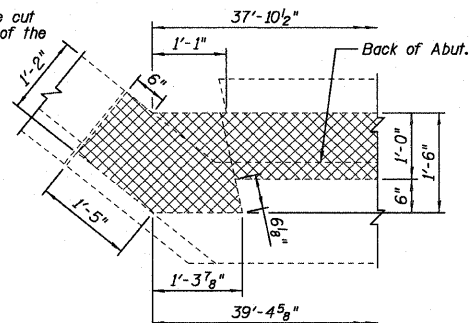
ELEVATION
(Looking East)



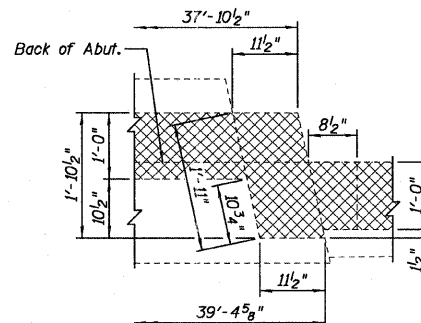
PLAN



SECTION A-A



CORNER DETAIL A



CORNER DETAIL B

LEGEND

Concrete Removal

BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	Cu. Yd.	2.5

NOTES:

- Existing reinforcement not extended into new concrete shall be cut off flush.
- Existing reinforcement extended into new concrete shall be cleaned, straightened and incorporated into new construction. Cost included with "Concrete Removal".

Farnsworth
GROUP, INC.
2709 McGraw Drive
Bloomington, Illinois 61704
309/663-9435, 309/663-1571 fax

DATE - 11/07/11

DESIGNED - JML
CHECKED - MSW
DRAWN - DJM
CHECKED - MSW

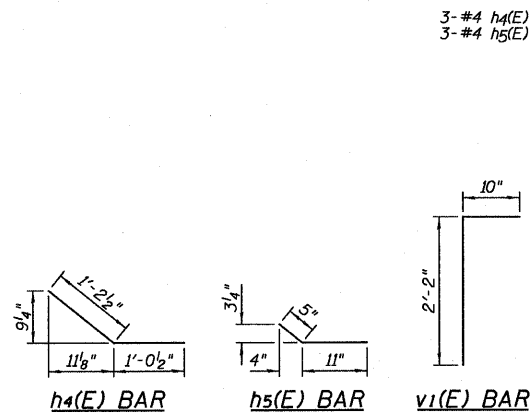
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REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT REMOVAL
STRUCTURE NO. 050-0184

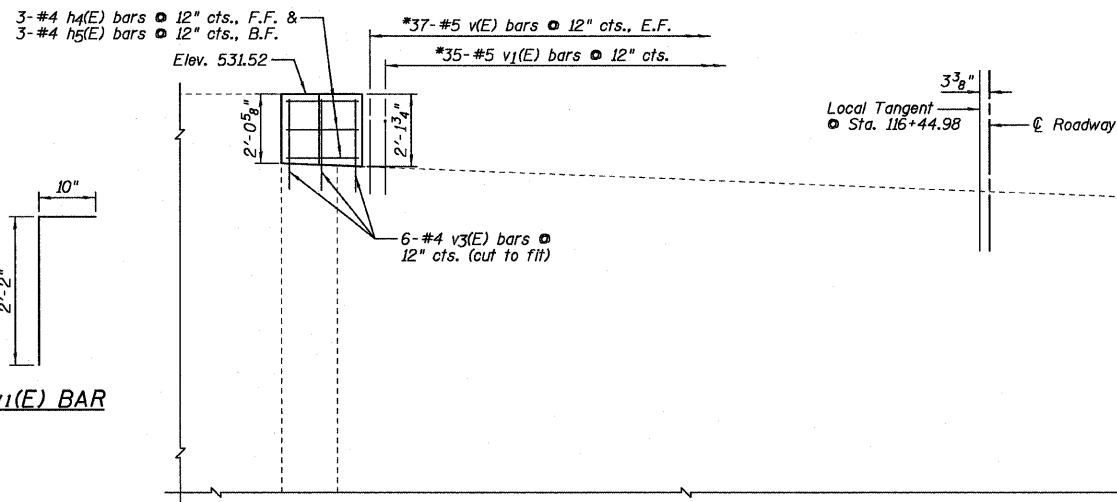
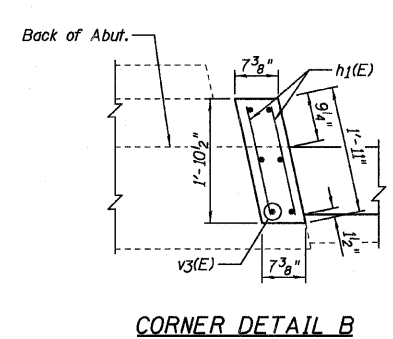
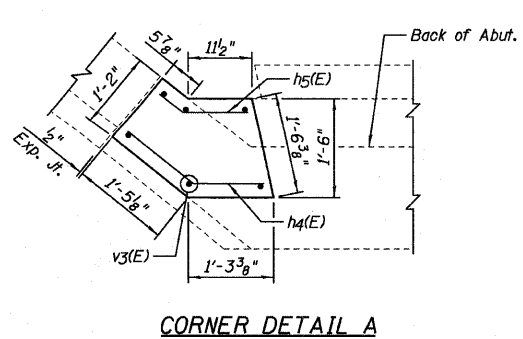
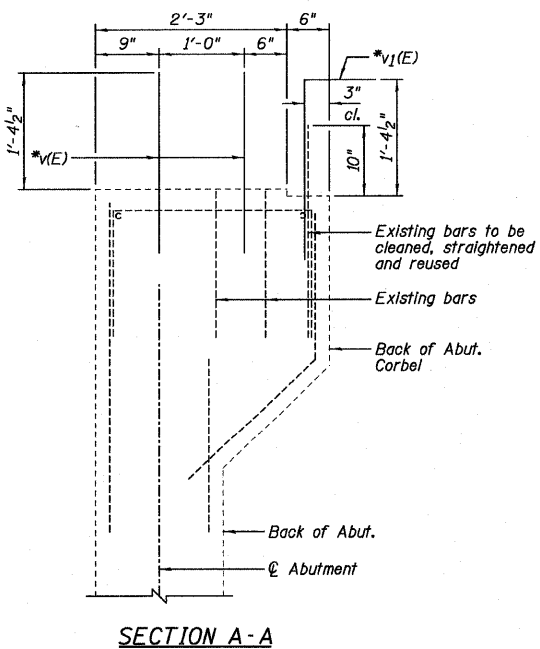
SHEET NO. B13 OF 20 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G-1) BR-2	LASALLE	48	29
CONTRACT NO. 66972				
ILLINOIS FED. AID PROJECT				

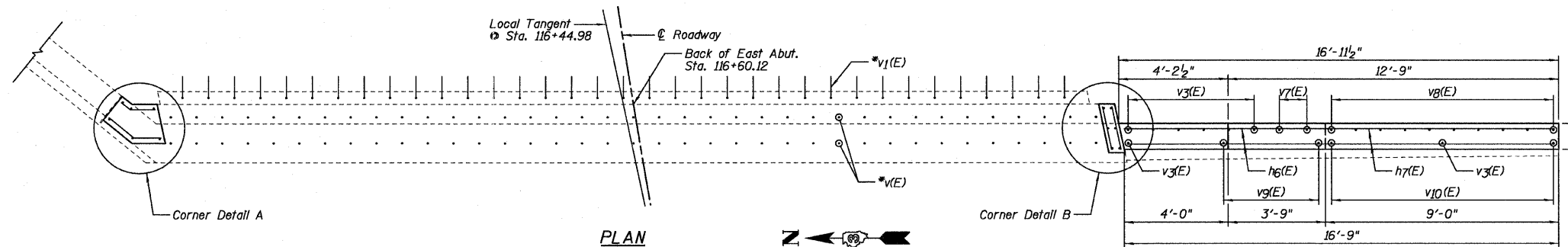


**EAST ABUTMENT
BILL OF MATERIAL**

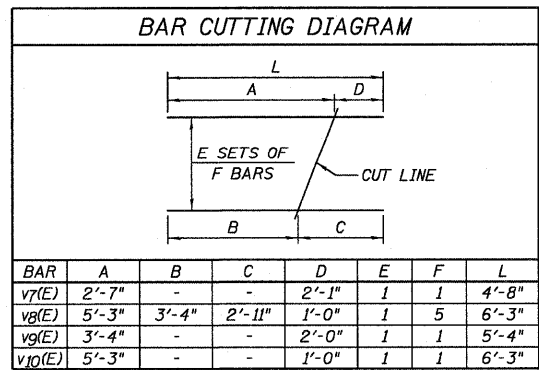
Bar	No.	Size	Length	Shape	
h1(E)	6	#4	1'-8"		
h4(E)	3	#4	2'-3"		
h5(E)	3	#4	1'-4"		
h6(E)	6	#4	9'-6"		
h7(E)	10	#4	9'-0"		
v(E)	74	#5	2'-2"		
v1(E)	35	#5	3'-0"		
v3(E)	20	#4	3'-9"		
v7(E)	1	#4	4'-8"		
vg(E)	5	#4	6'-3"		
vg(E)	1	#4	5'-4"		
v10(E)	1	#4	6'-3"		
Item				Unit	Quantity
Concrete Structures				Cu. Yd.	1.9
Reinforcement Bars, Epoxy Coated				Pound	470



**ELEVATION
(Looking East)**



PLAN



NOTES:

- Order v7(E) and vg(E) bars full length. Cut according to the Bar Cutting Diagram. Use all bars in the back face of the wall.
- Order vg(E) and v10(E) bars full length. Cut according to the Bar Cutting Diagram. Use all bars in the front face of the wall.
- Drill & epoxy grout v(E), v1(E), v3(E) & v7(E) thru v10(E) bars min. 9" according to Section 584 of the Standard Specification. The type of epoxy grout shall be approved by the Engineer.
- Drill & epoxy grout v(E) & v1(E) bars between existing v bars.
- B.F. denotes Back Face, F.F. denotes Front Face & E.F. denotes Each Face.

Farnsworth GROUP, INC.
2709 McGraw Drive
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309/663-9435, 309/663-1571 fax

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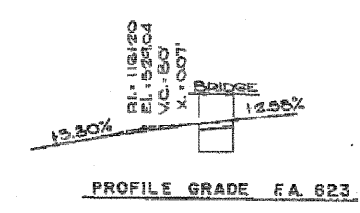
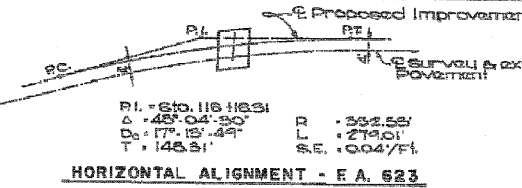
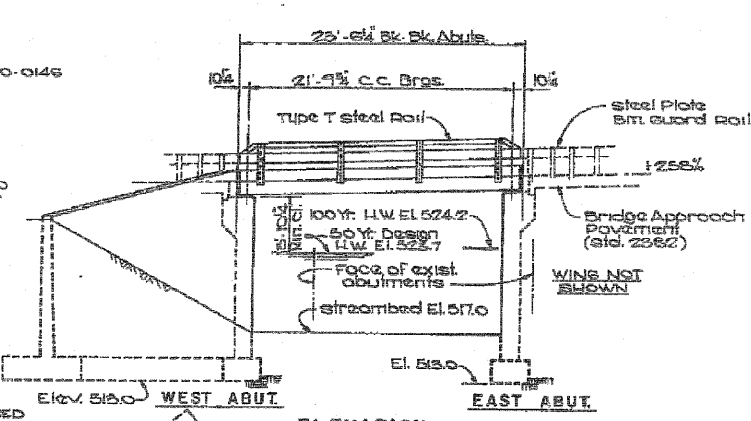
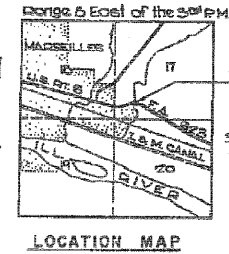
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EAST ABUTMENT
STRUCTURE NO. 050-0184**
SHEET NO. B14 OF 20 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G-1) BR-2	LASALLE	48	30
CONTRACT NO. 66972				
ILLINOIS FED. AID PROJECT				

BENCH MARK: 1/4 chis. iron S.W. wingwall of exist. bridge Elev. 523.61

EXISTING BRIDGE: Exst. str. No. 050-0145
 A one span P.C. slab 17' face to face, P.C. closed Abut. 50' Rdwy. with bit surface. Built 1926 on sec 6-1 SB. P.T. to be removed by bridge contractor in two stages. No salvage. North portion to E of survey (also E of exist. pvtl) to be removed as STAGE 1. Remainder removed as STAGE 2. One lane to be kept open at all times.



STATION 116+45.0
 BUILT 1980 BY
 STATE OF ILLINOIS
 F.A. RT. 623 SEC. 6-1 BR
 LOADING HS 20
 STR. NO. 050-0184

NAME PLATE LETTERING
 STD. 2113
 structure No. to be supplied by District

- INDEX OF BRIDGE SHEETS**
- 1 General Plan & Elevation
 - 2 Stage Construction
 - 3 Deck Details
 - 4 curb & steel railing
 - 5 West Abutment
 - 6 East Abutment

DESIGN DATA

FIELD UNITS
 F_s = 24,000 p.s.i.
 F_c = 1000 p.s.i.
 V_r = 85 p.s.i.
 n = 9

PRESTRESSED UNITS
 F_s = 5000 p.s.i.
 F_c = 4000 p.s.i.
 F_s = 270,000
 F_s = 189,000

Designed using AASHTO Specs. dated 1977 & Interim Specs. dated 1978 & 1979.

WATERWAY INFORMATION

DRAINAGE AREA 0.90 sq. Miles
 DESIGN DISCHARGE (50 YR.) 655 c.f.s.
 EXISTING OPENING 96 sq.
 REQUIRED OPENING 124 sq.
 PROPOSED OPENING 124 sq.
 CREATED HEAD (50 YR.) 0.12 foot
 100 YR. DISCHARGE 780 c.f.s.
 CREATED HEAD (100 YR.) 0.15 foot
 HIGH WATER ELEV. (100 YR.) 524.2

GENERAL NOTES

See Proposal for boring data.
 Backfill shall be placed behind the abutments after the deck beams have been set and dowel bars grouted in place. See Article 502.11 of the Standard Specifications.
 Reinforcement bars shall conform to AASHTO: M-31 or M-55, grade 60.
 The top surface of the beams shall be finished in accordance with Article 505.05 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners.
 Protective coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.
 A Calcium Nitrite corrosion inhibitor as covered in the special provisions, shall be used in the concrete for Precast Prestressed Concrete Deck Beams and Class X Concrete for curbs.

BILL OF MATERIAL - BRIDGE

ITEM	UNIT	SUB.	SUPER.	TOTAL
REMOVAL OF EXISTING STRUCTURES	EACH			1
STRUCTURE EXCAVATION	CUYDS.	886		886
PROTECTIVE COAT	SQYDS.			\$
CLASS X CONCRETE	CUYDS.	194.2	1.4	195.6
PRECAST PRESTRESSED CONCRETE DECK BEAM (17') 50 FT.			797	797
STEEL RAILING, TYPE T	LIN. FT.		48	48
REINFORCEMENT BARS	LSB.	14560	70	14630
NAME PLATES	EACH		1	1
PORTLAND CEMENT MORTAR FAIRING COURSE	LIN. FT.		151	151
WATERPROOFING MEMBRANE SYSTEM	SQYDS.		102	102
BITUMINOUS CONC. SURF. COURSE CL. I. MIX. D	TONS		8	8
TEMPORARY SHEET PILING	SQ. FT.	750		750
TEMPORARY BRIDGE RAIL	LIN. FT.		23	23

APPROVED
 FOR STRUCTURAL ACCURACY ONLY
 Carl E. Thompson
 REGISTERED PROFESSIONAL ENGINEER

STA. 116+45.0

SECTION G-1-BR
F.A. RT. 623 U.S. RT. 6
LA SALLE COUNTY

GENERAL PLAN & ELEVATION

DESIGNED BY: CARL E. THOMPSON
 DATE: OCT. 1979

CHANGED BY: CARL E. THOMPSON
 DATE: NOV. 1979

DESIGNED BY: CARL E. THOMPSON
 DATE: OCT. 1979

APPROVED BY: CARL E. THOMPSON
 DATE:

WILLETT
FORBES &
ASSOCIATES, Inc.
 Consulting Engineers

DATE: 12/17/79

JOB/FILE NO. BRIDGE SHEET NO. 1 OF 6 SHEETS

LOADING HS 20-44
 Allowance for 25 p.s.f. future wearing surface

NOTE:
 SEE NEXT SHEET FOR DETAILS OF STAGE CONSTRUCTION AND TEMPORARY SHEET PILING.

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 Bloomington, Illinois 61704
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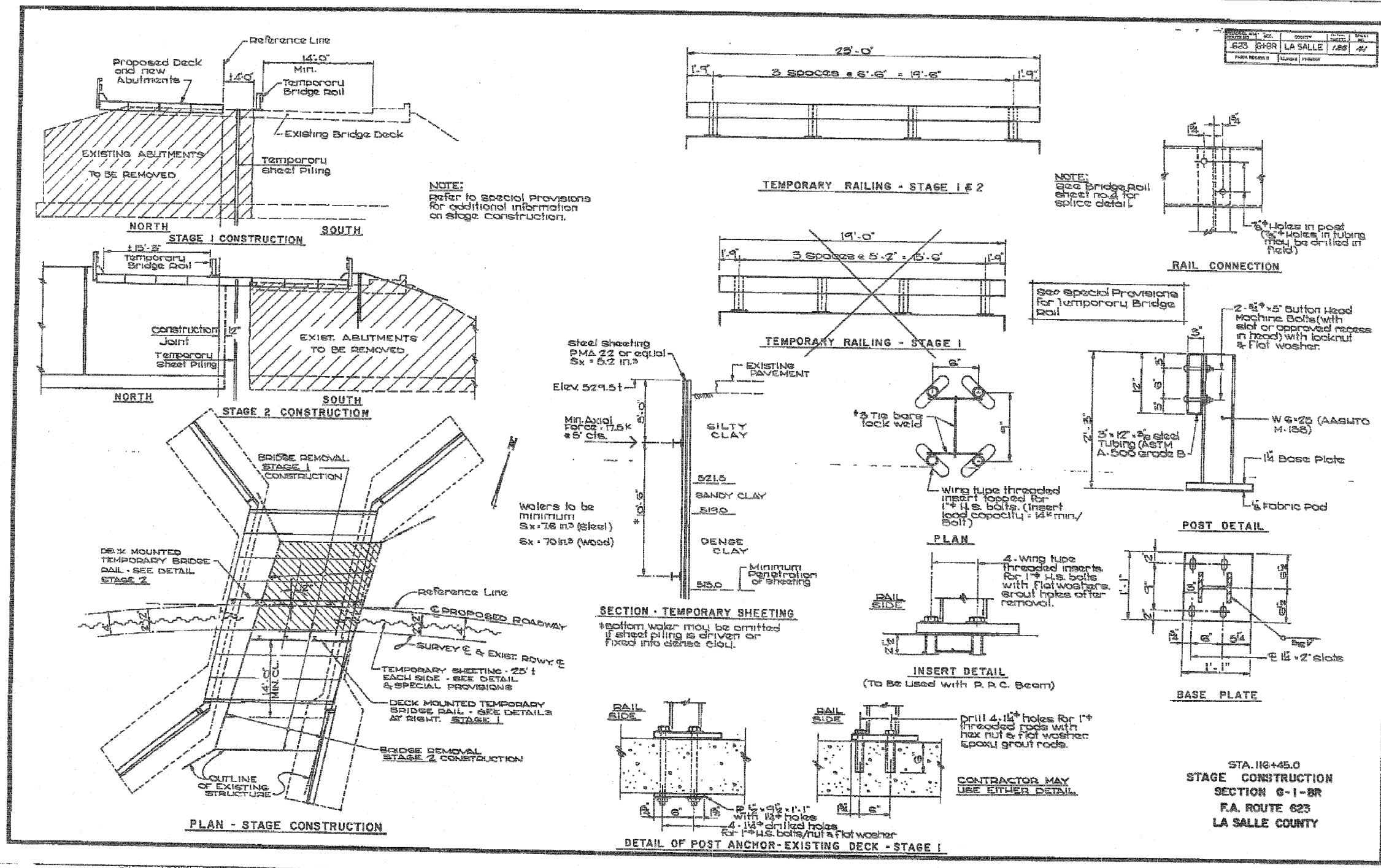
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CHECKED - MSW	REVISED
DRAWN - DJM	REVISED
CHECKED - MSW	REVISED

DATE - 11/07/11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 050-0184
 SHEET NO. B15 OF 20 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G-1) BR-2	LASALLE	48	31
CONTRACT NO. 66972				
ILLINOIS FED. AID PROJECT				



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GROUP, INC.
2709 McGraw Drive
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DRAWN - DJM	REVISED
CHECKED - MSW	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

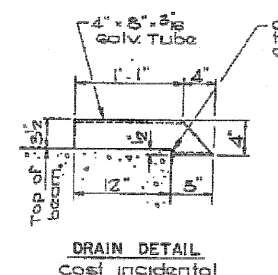
EXISTING PLANS
STRUCTURE NO. 050-0184

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G-1) BR-2	LASALLE	48	32
CONTRACT NO. 66972				

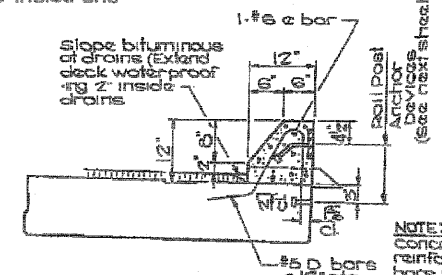
SHEET NO. B16 OF 20 SHEETS

ILLINOIS FED. AID PROJECT

PROJECT NO.	623	SECTION	G-1-BR	DRAWN BY	LASALLE	DATE	12/6/42
PROJECT NAME	LA SALLE COUNTY						

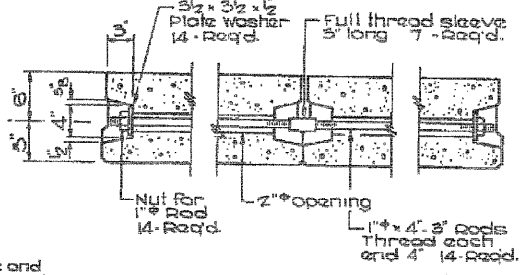


DRAIN DETAIL
Cost incidental



SECTION THRU CURB

curbs shall be poured in field (curb drains south side only)



TYPICAL TRANSVERSE TIE ASSEMBLY

GENERAL NOTES

A Calcium Nitrite corrosion inhibitor, as covered in the special provisions, shall be used in the concrete for Precast Prestressed concrete Deck Beams.

Prestressing steel shall be non-galvanized high strength, stress-relieved 7-wire strand, grade 270.

The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.158 sq. in.

Lifting loops shall be 1/2" diameter, 6x25 class wire rope with fiber core and shall have a minimum ultimate tensile strength of 21,000 lbs.

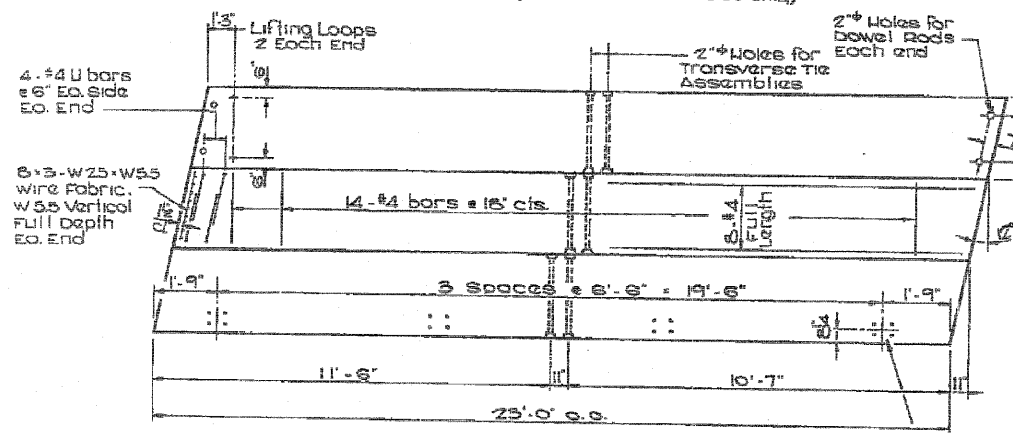
The 1/4" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place.

Longitudinal shear keys shall be packed with a very dry mix of 2:1 sand and P.C. mortar.

After beams have been erected, holes for the dowel anchors shall be drilled into the substructure and the anchor dowels shall be grouted in place.

Reinforcement bars shall conform to AASHTO: M-51 or M-55, grade 60.

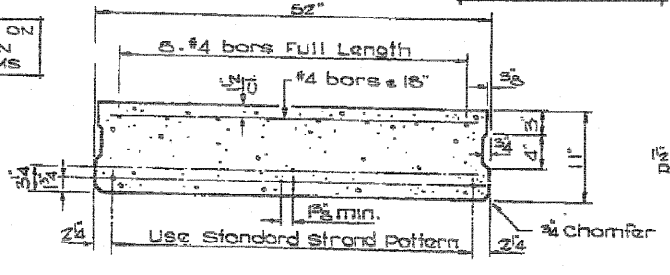
Cost of reinforcement and accessories cast into the beam, of bearing pads, and of grouting longitudinal shear keys is included in unit price bid for "Precast Prestressed Concrete Deck Beams."



PLAN VIEW
8 Beams required

Inserts for 1" U.S. bolts - see sheet 2 for details of insert. Inserts to be placed on interior beam only, see sec.

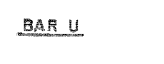
OMIT SHEAR KEY ON OUTSIDE FACE ON EXTERIOR BEAMS



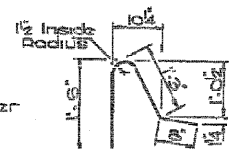
TYPICAL SECTION

2+ strands - Each strand stressed to 26,900 lbs.
6 - Strands up 1 3/4"
1 - Strand up 3/4"

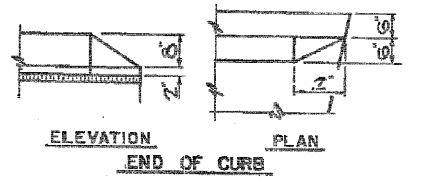
NOTE
Place strands symmetrically about center beam.



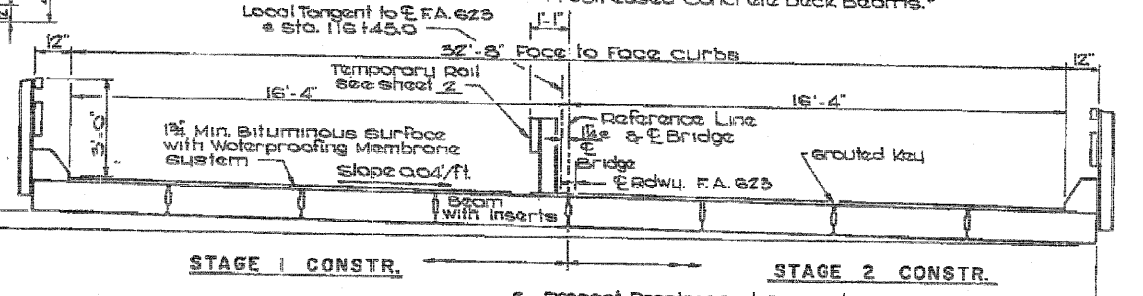
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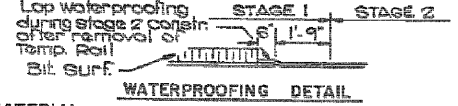
BAR D



ELEVATION PLAN
END OF CURB



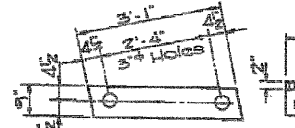
SECTION THRU DECK
(LOOKING EAST)



WATERPROOFING DETAIL

BILL OF MATERIAL

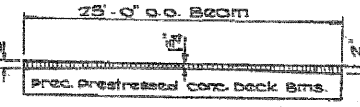
ITEM	UNIT	TOTAL
Precast Prestressed conc. Deck Beams (1')	Sq. Ft.	797



LIFTING LOOP



1/2 FABRIC BEARING PAD
(16 Required)



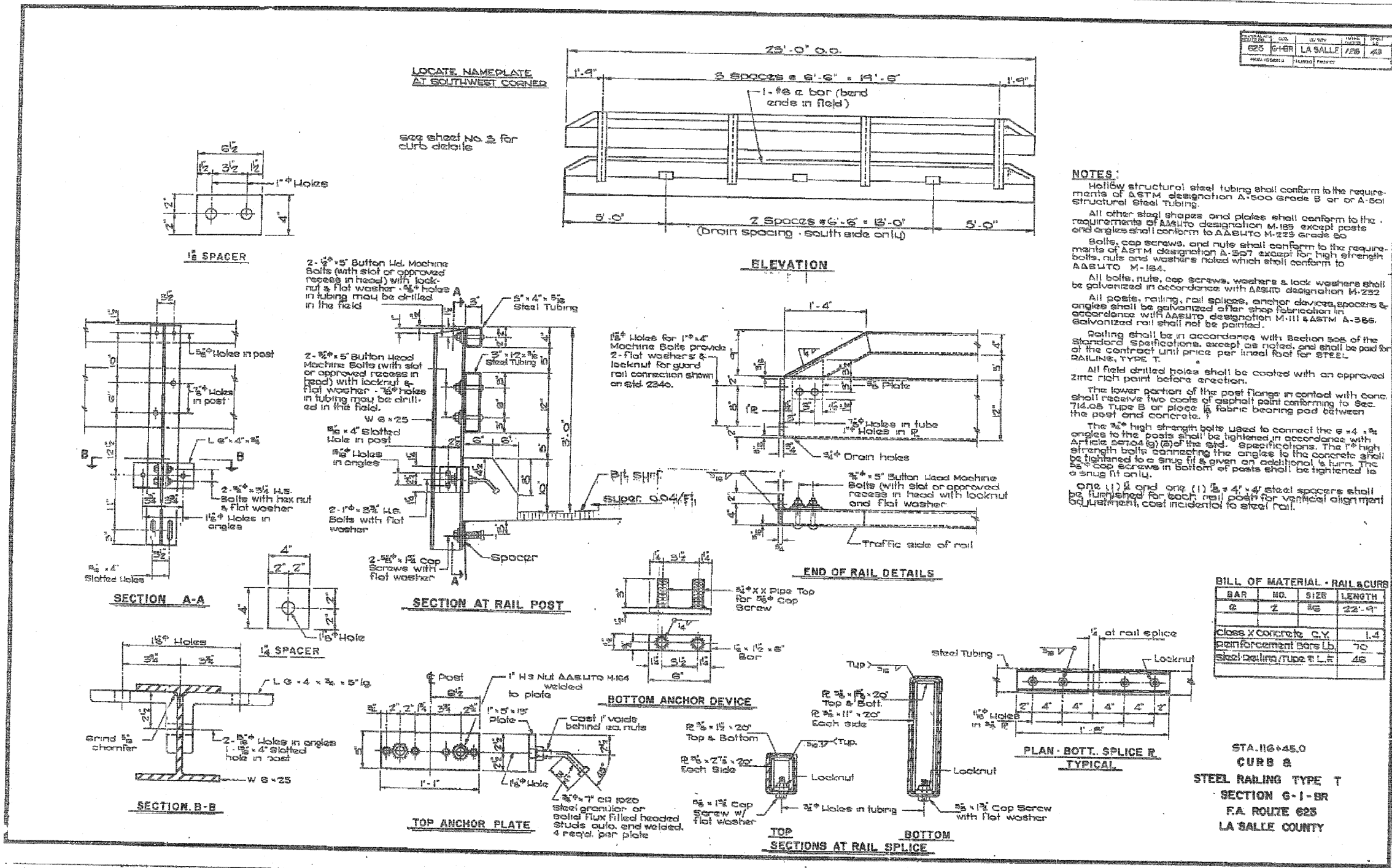
PROFILE OF WEARING SURFACE THICKNESS

STA. 116+45.0
DECK DETAILS
SECTION G-1-BR
F.A. ROUTE 623
LA SALLE COUNTY

BRIDGE SHEET 3 OF 6

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PROJECT NO.	625	CONTRACT	LA SALLE	DATE	FEB 43
DESIGNED BY	JML	CHECKED BY	MSW	DRAWN BY	DJM



NOTES:

Hollow structural steel tubing shall conform to the requirements of ASTM designation A-500 Grade B or or A-501 Structural Steel Tubing.

All other steel shapes and plates shall conform to the requirements of AASHTO designation M-183 except posts and angles shall conform to AASHTO M-225 grade 50.

Bolts, cap screws, and nuts shall conform to the requirements of ASTM designation A-307 except for high strength bolts, nuts and washers noted which shall conform to AASHTO M-184.

All bolts, nuts, cap screws, washers & lock washers shall be galvanized in accordance with AASHTO designation M-232.

All posts, railing, rail splices, anchor devices, spacers & angles shall be galvanized after shop fabrication in accordance with AASHTO designation M-111 & ASTM A-365. Galvanized rail shall not be painted.

Railing shall be in accordance with Section 505 of the Standard Specifications, except as noted, and shall be paid for of the contract unit price per linear foot for STEEL RAILING, TYPE T.

All field drilled holes shall be coated with an approved zinc rich paint before erection.

The lower portion of the post flange in contact with concrete shall receive two coats of asphalt paint conforming to Sec. 714.05 Type B or place a fabric bearing pad between the post and concrete.

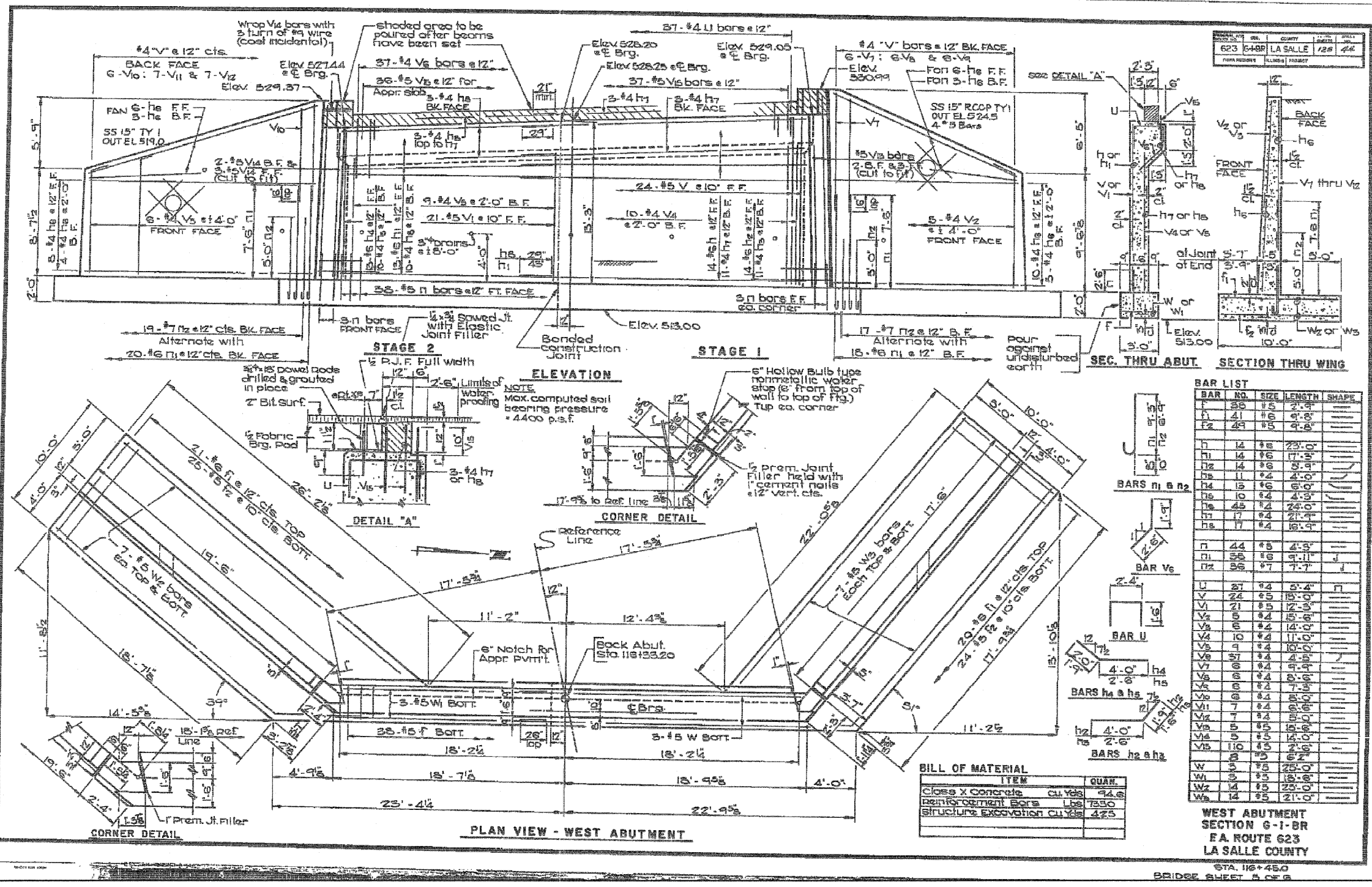
The 3/8" high strength bolts used to connect the 5" x 4" x 3/8" angles to the posts shall be tightened in accordance with Article Section (g) (2) of the Standard Specifications. The 1" high strength bolts connecting the angles to the concrete shall be tightened to a snug fit & given an additional 1/2 turn. The 5/8" cap screws in bottom of posts shall be tightened to a snug fit only.

One (1) 1/2" and one (1) 5/8" x 4" x 3/8" steel spacers shall be furnished for each rail post for vertical alignment adjustment, cost incidental to steel rail.

BILL OF MATERIAL - RAIL & CURB

BAR	NO.	SIZE	LENGTH
6	2	1 1/2" x 4" x 5/8"	22'-9"
Class X Concrete C.Y. 1.4			
Reinforcement Bars Lb. 70			
Steel Railing, Type T L.F. 46			

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 Skokie, Illinois 61704
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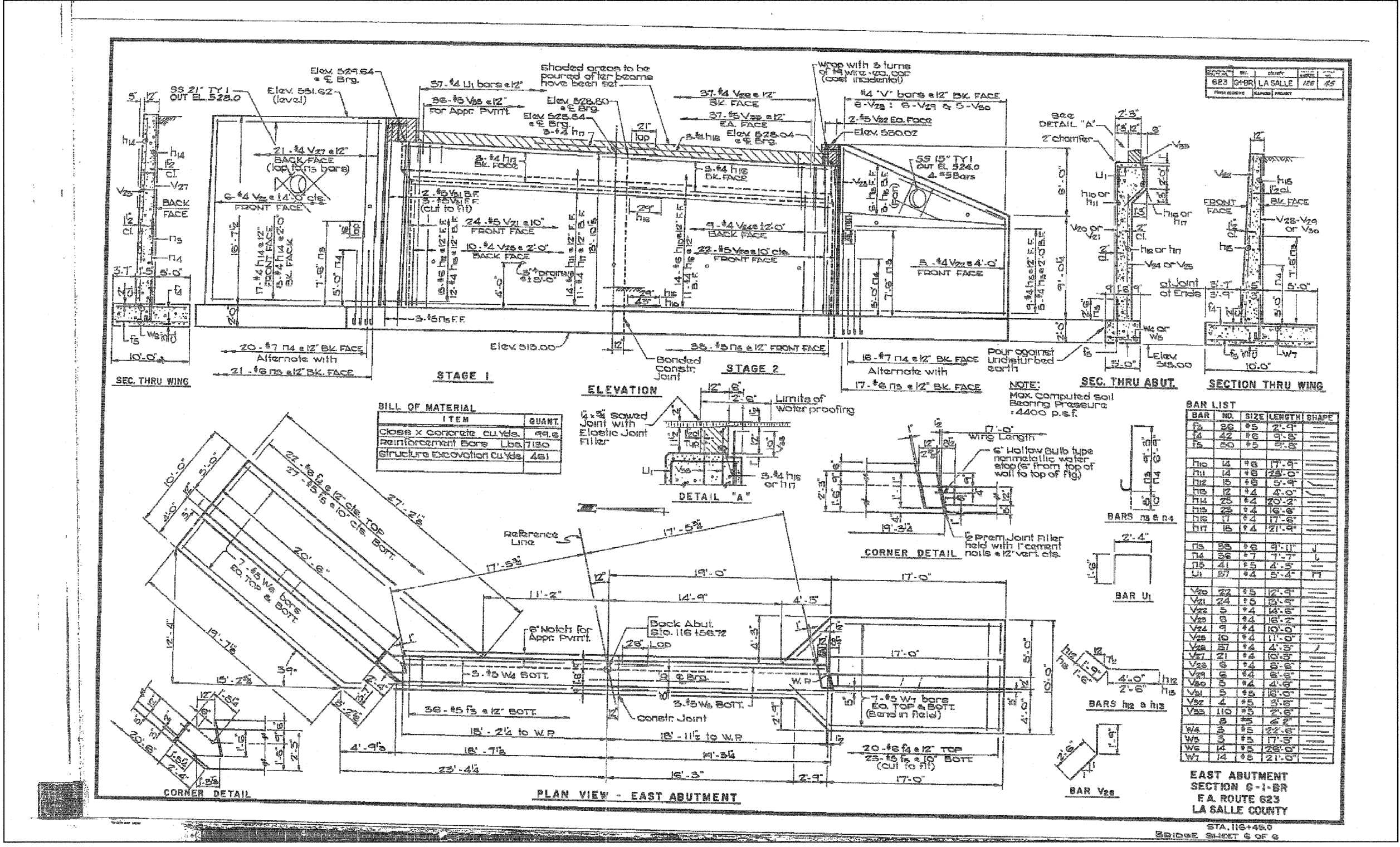
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CHECKED - MSW	REVISED
DRAWN - DJM	REVISED
CHECKED - MSW	REVISED

DATE - 11/07/11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 050-0184
 SHEET NO. B19 OF 20 SHEETS

F.A.P. RTE. 623	SECTION (G-1) BR-2	COUNTY LASALLE	TOTAL SHEETS 48	SHEET NO. 35
CONTRACT NO. 66972				ILLINOIS FED. AID PROJECT



623	0-1-1	LA SALLE	1/20	45
Revised	Revised	Revised	Revised	Revised

BILL OF MATERIAL

ITEM	QUANT.
Class X concrete cu.yds.	44.6
Reinforcement Bars Lbs.	7130
Structure Excavation Cu.yds.	461

BAR LIST

BAR NO.	SIZE	LENGTH	SHAPE
U1	#4	5'-4"	T
V20	#5	12'-9"	
V21	#5	15'-9"	
V22	#5	14'-6"	
V23	#5	18'-2"	
V24	#4	10'-0"	
V25	#4	11'-0"	
V26	#4	4'-3"	
V27	#4	8'-9"	
V28	#4	8'-9"	
V29	#4	4'-9"	
V30	#5	15'-0"	
V31	#5	3'-8"	
V32	#5	2'-6"	
W4	#5	22'-6"	
W5	#5	17'-3"	
W6	#5	28'-0"	
W7	#5	21'-0"	

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 Bloomington, Illinois 61704
 309/663-8435, 309/663-1571 fax

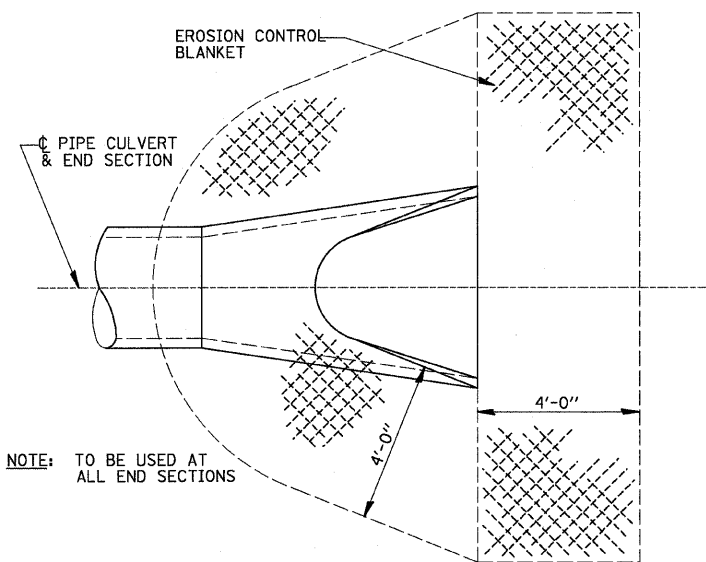
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CHECKED - MSW	REVISED
DRAWN - DJM	REVISED
CHECKED - MSW	REVISED

DATE - 11/07/11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 050-0184
 SHEET NO. B20 OF 20 SHEETS

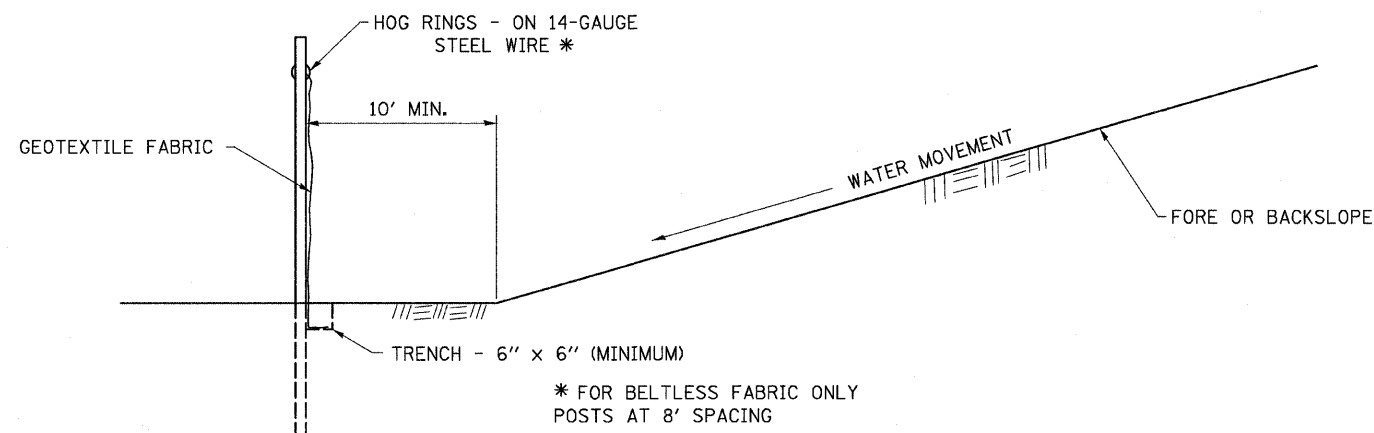
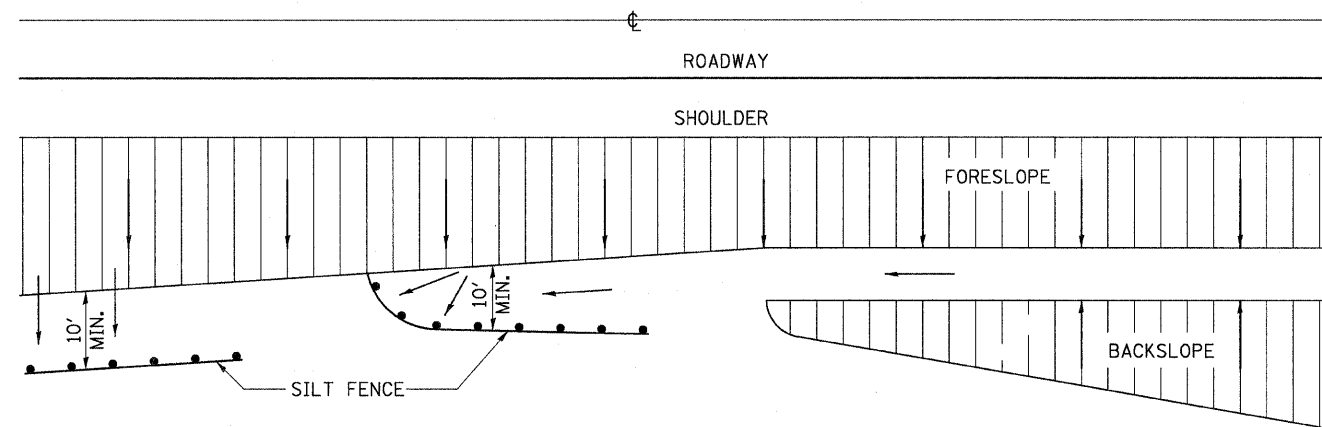
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ILLINOIS FED. AID PROJECT				CONTRACT NO. 66972



NOTE: TO BE USED AT ALL END SECTIONS

NOTE: PRC FLARED END SECTION SHOWN. TREATMENT SAME FOR OTHER END SECTIONS.

DETAIL OF EROSION CONTROL BLANKET LINING AROUND END SECTION



DETAILS OF SILT FENCE

EROSION CONTROL DETAILS FOR SILT FENCE

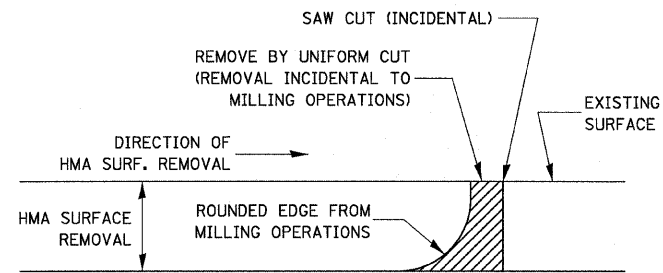
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	PLOT DATE = #DATE#	DATE - 11/07/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

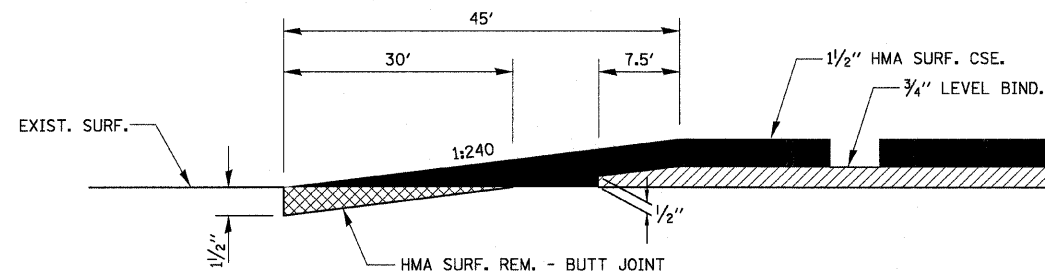
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G-1) BR-2	LASALLE	48	37
CONTRACT NO. 66972				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



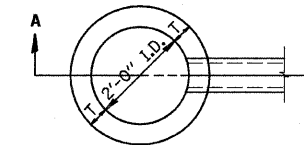
NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE,
THEN A SAW CUT SHALL BE USED TO MANUFACTURE
A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL.
THE ENGINEER SHALL BE THE SOLE JUDGE
CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS

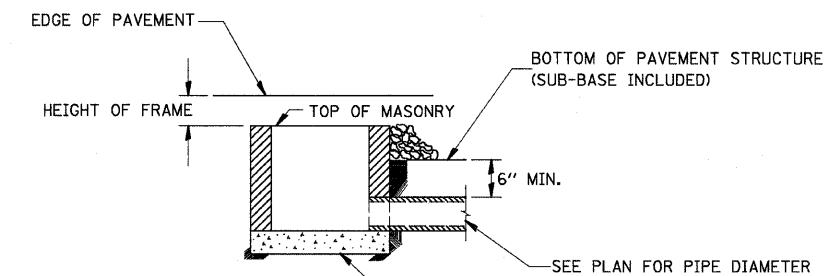


HMA DETAIL AT BUTT JOINTS

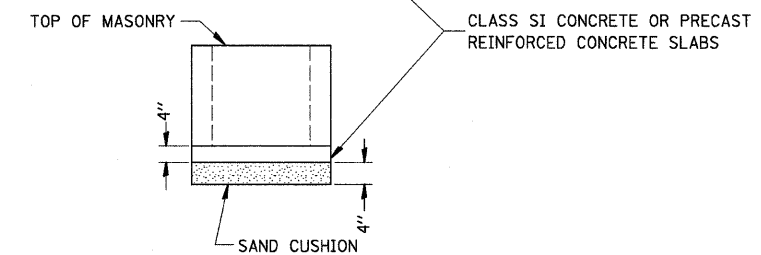
ALTERNATE MATERIALS FOR WALLS	T
PRECAST REINFORCED CONCRETE RISERS	3"
CONCRETE MASONRY UNITS	5"
CAST-IN-PLACE CONCRETE	6"
BUILDING BRICK, GRADE SW, FROM CLAY OR SHALE	8"



PLAN



SEC. A-A



NOTE:

1. THE CONTRACT UNIT PRICE FOR INLETS TYPE A (SPECIAL) SHALL NOT INCLUDE THE FRAME AND LID OR GRATE.
2. FURNISHING AND INSTALLING SAND CUSHION IS TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TYPE A (SPECIAL) INLETS.
3. THE TYPE A (SPECIAL) INLET SHOULD NOT BE USED AS A RECEIVER OF STORM WATER FROM ANOTHER INLET.

FOR INLET TYPE A (SPECIAL)

(TO BE USED AT PAVED SECTION WITH CURB & GUTTER)
NO SCALE

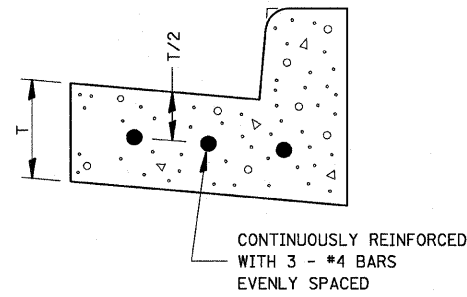
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

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

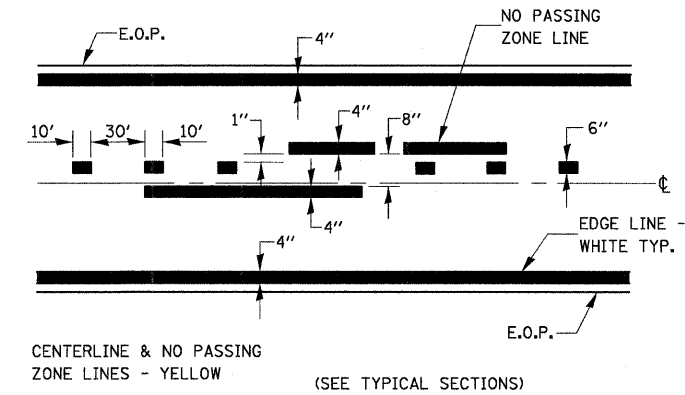
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(G-1) BR-2	LASALLE	48	38
CONTRACT NO. 66972				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



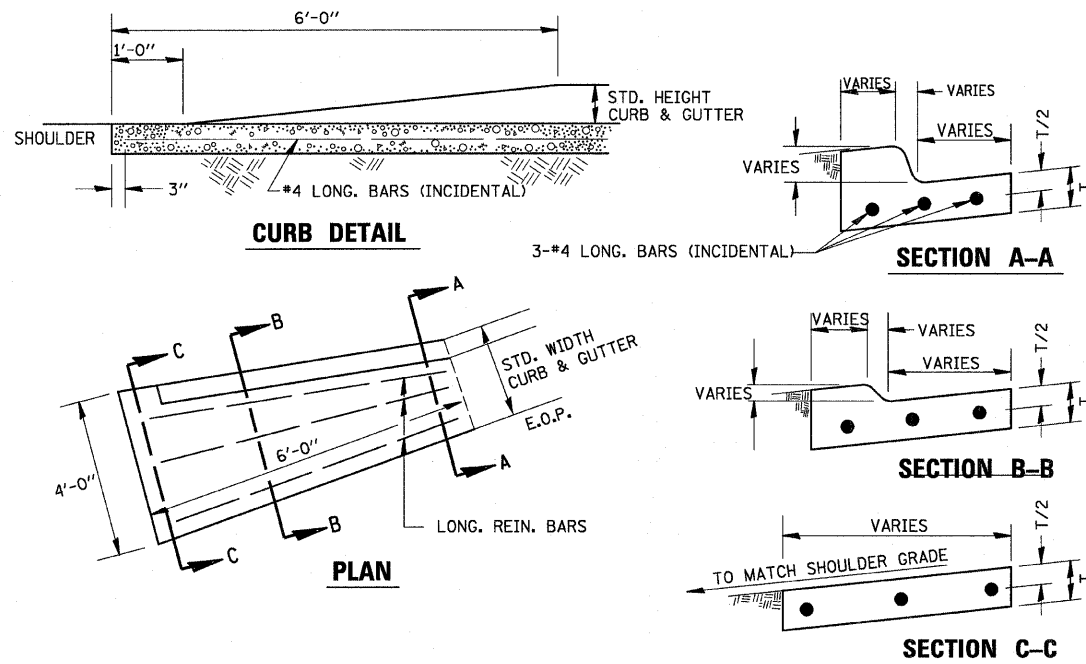
REINFORCEMENT SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CC&G.

**REINFORCEMENT DETAIL
FOR
COMBINATION CONCRETE
CURB AND GUTTER
TYPE B-6.24**

NOTE:
SIMILAR REINFORCEMENT USED FOR TRANSITION & TYPE B-9.24

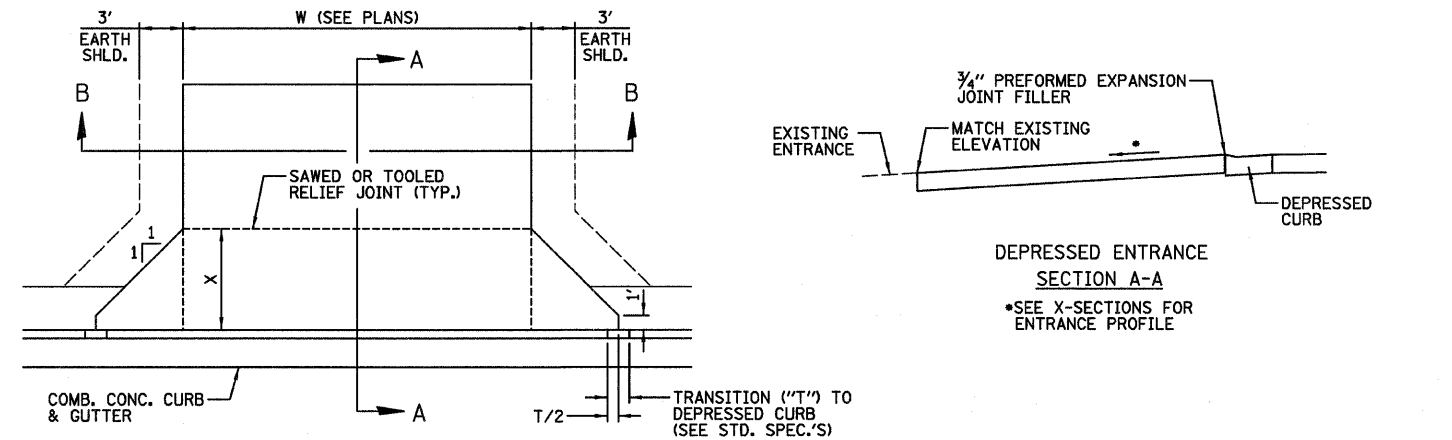


PAVEMENT MARKING



NOTE:
CLASS SI CONCRETE SHALL BE USED THROUGHOUT. OUTLET SHALL BE TIED TO CURB AND GUTTER AT CONTRACTION JOINTS AS SHOWN. COST TO BE INCLUDED IN THE UNIT PRICE PER CU. YD. FOR CLASS SI CONCRETE (OUTLET).

CURB & GUTTER OUTLET, SPECIAL



GENERAL NOTES:

- X = 7' (NON-COMMERCIAL) X = 15' (COMMERCIAL)
- COST OF EXPANSION JOINTS AND RELIEF JOINTS SHALL BE INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT.

PCC URBAN ENTRANCE

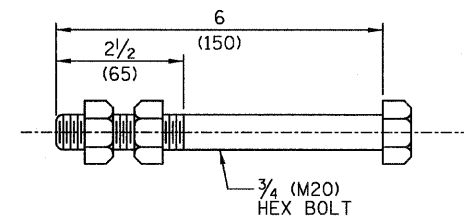
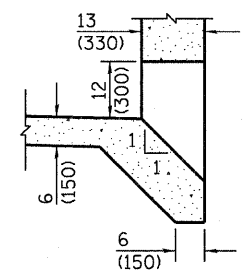
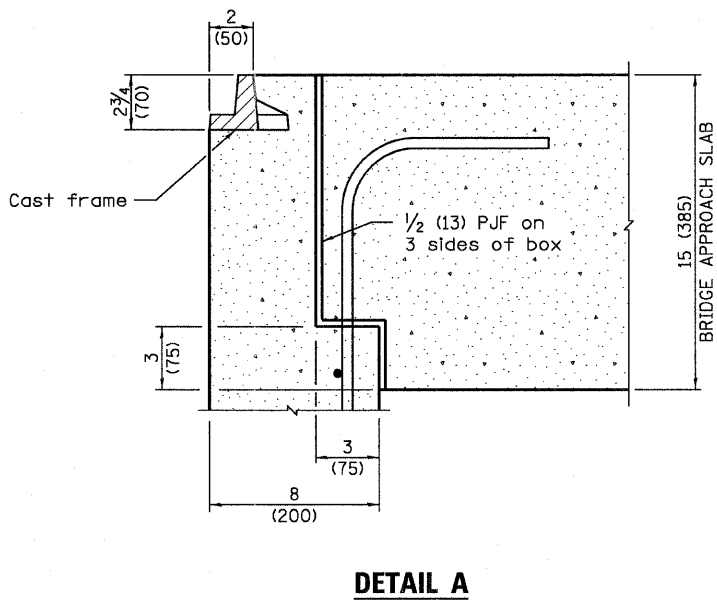
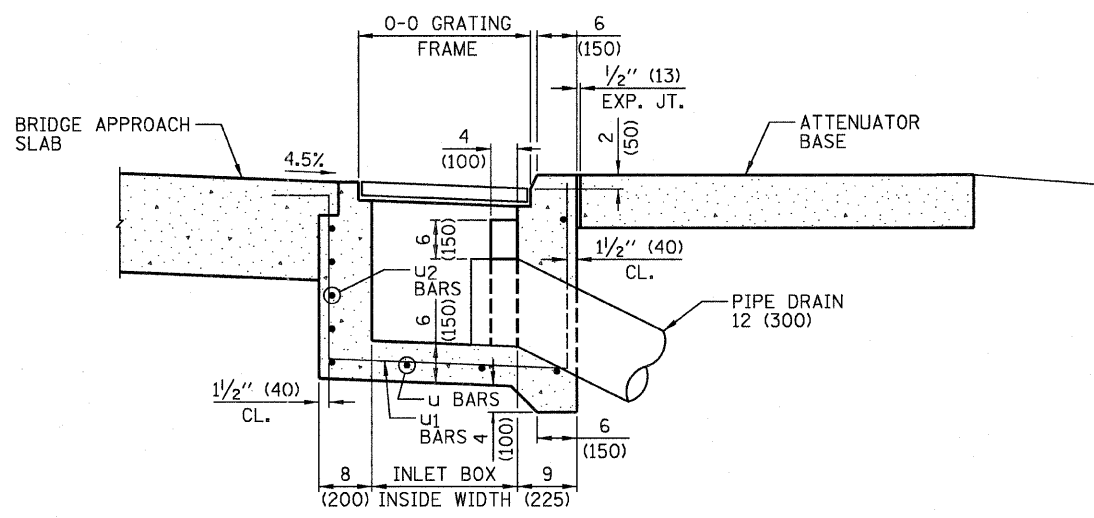
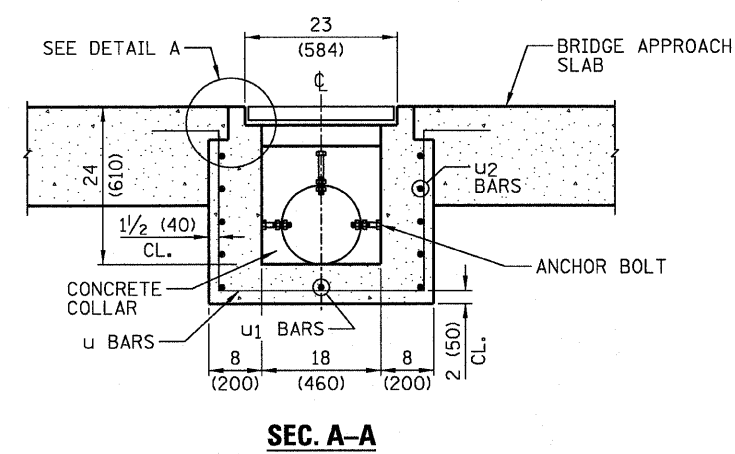
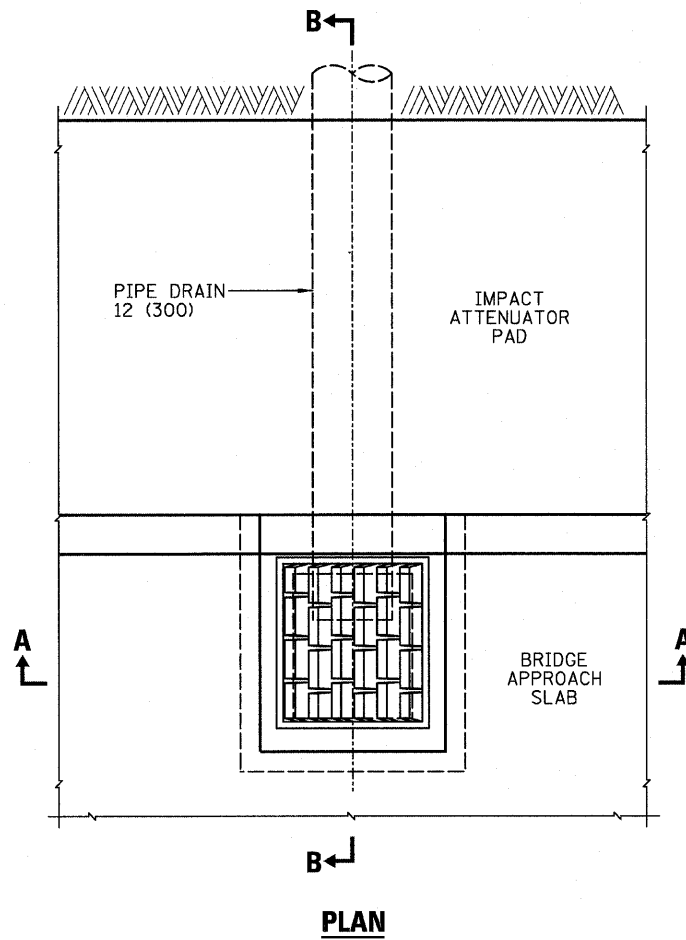
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.P. RTE. 623	SECTION (G-1) BR-2	COUNTY LASALLE	TOTAL SHEETS 48	SHEET NO. 39
CONTRACT NO. 66972				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



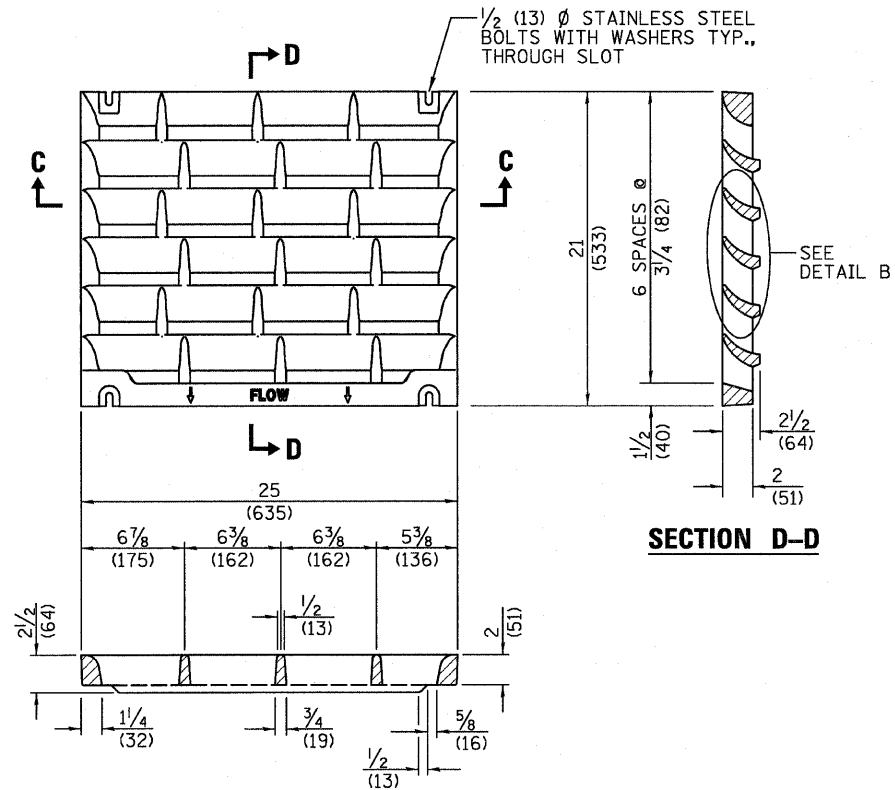
GENERAL NOTES

All exposed edges of the Inlet, except the upper perimeter, shall be beveled 3/4 (20).
All dimensions are in Inches (millimeters) unless otherwise shown.

INLET TYPE	SHOULDER WIDTH	O-O GRATING FRAME	INLET BOX INSIDE WIDTH	INLET BOX INSIDE LENGTH
Type B	Less than 5' (1.5 m)	2'-3" (0.690 m)	1'-10" (0.560 m)	18 (460)

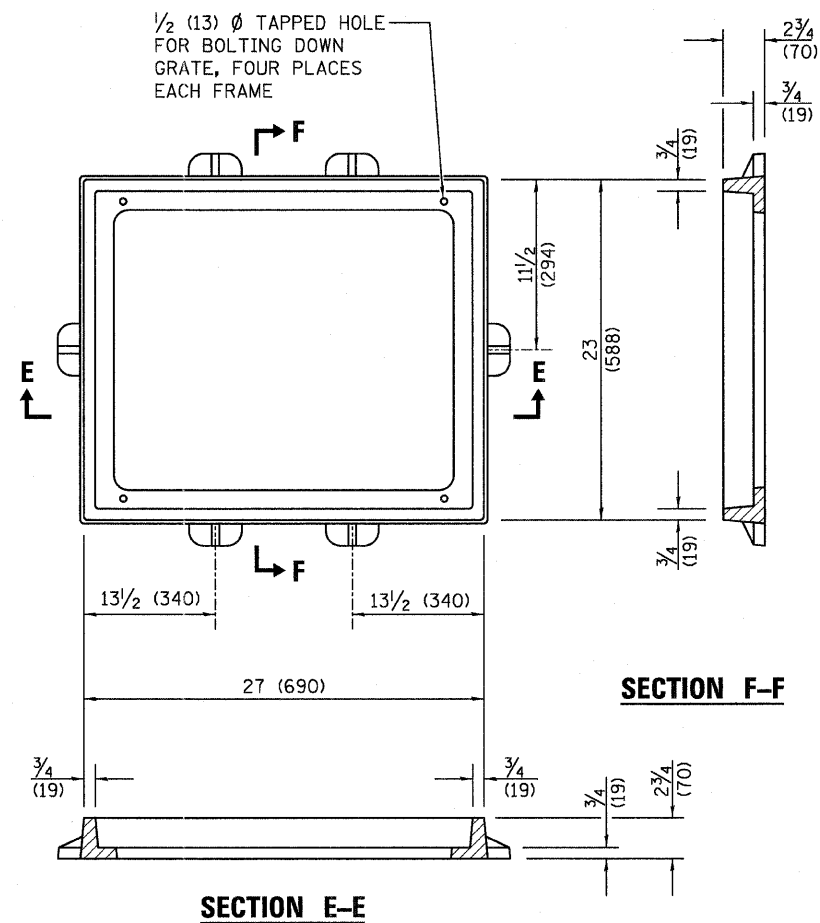
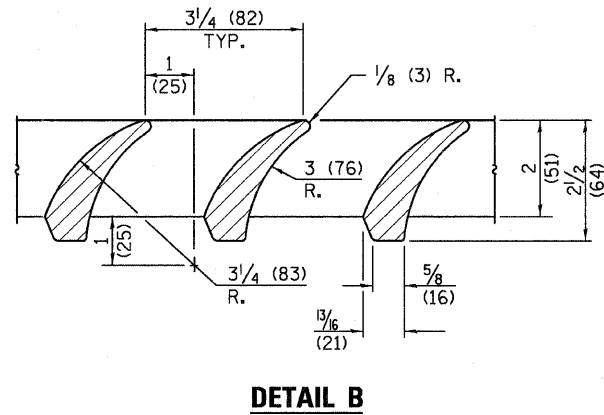
TYPE B INLET BOX, STANDARD 609006 (SPECIAL)

(SHEET 1 OF 2)



SECTION C-C

DETAIL OF CAST GRATE
TYPE B REQUIRES 1 GRATE

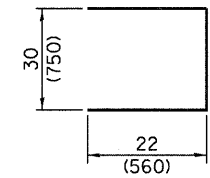
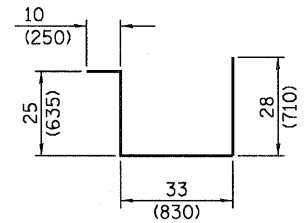
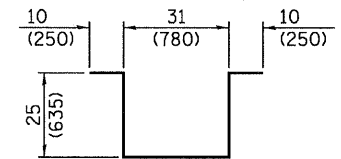


DETAIL OF CAST FRAME

SECTION F-F

INLET BOX

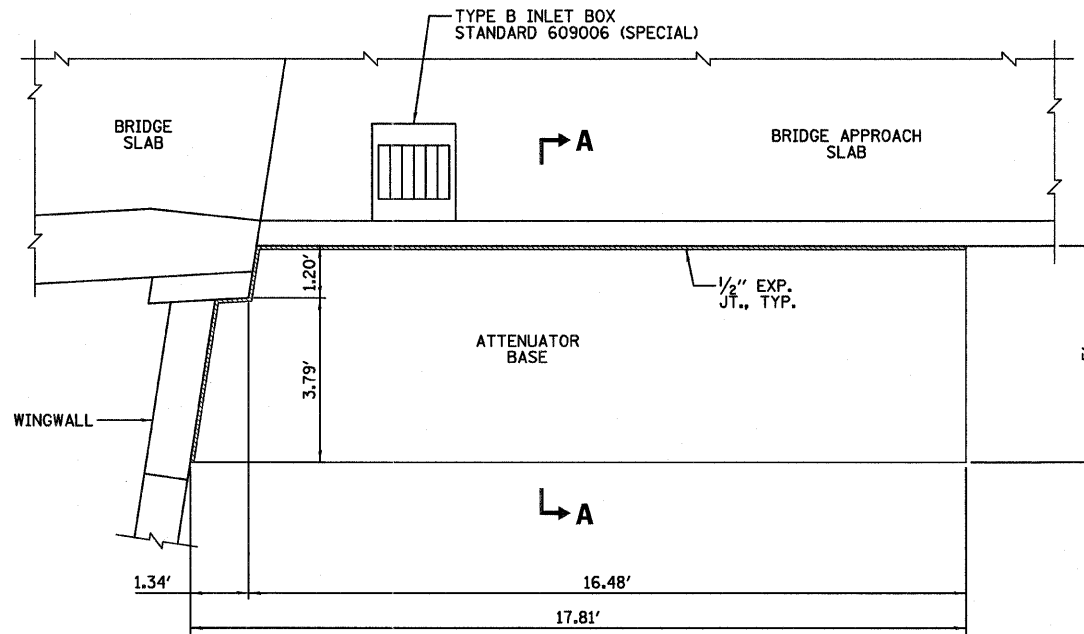
REQUIRED MATERIAL			
BAR	QTY.	SIZE	LENGTH
U	4	#4 (#13)	8'-5" (2,550 m)
U1	3	#4 (#13)	8'-0" (2,425 m)
U2	4	#4 (#13)	6'-2" (1,870 m)
CONCRETE	CU. YD. (m ³)		0.5 (0.4)
REINF. BARS	LBS. (kg)		55.0 (25.0)
GRATING	SQ. FT. (m ²)		3.6 (0.34)



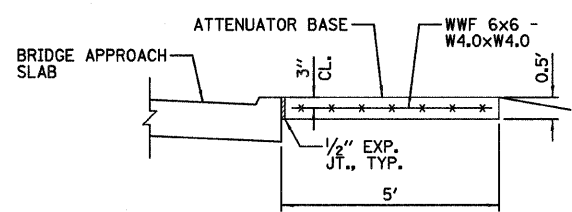
TYPE B INLET BOX,
STANDARD 609006 (SPECIAL)

(SHEET 2 OF 2)

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		DATE - 11/07/11	REVISED -									



PLAN



SEC. A-A

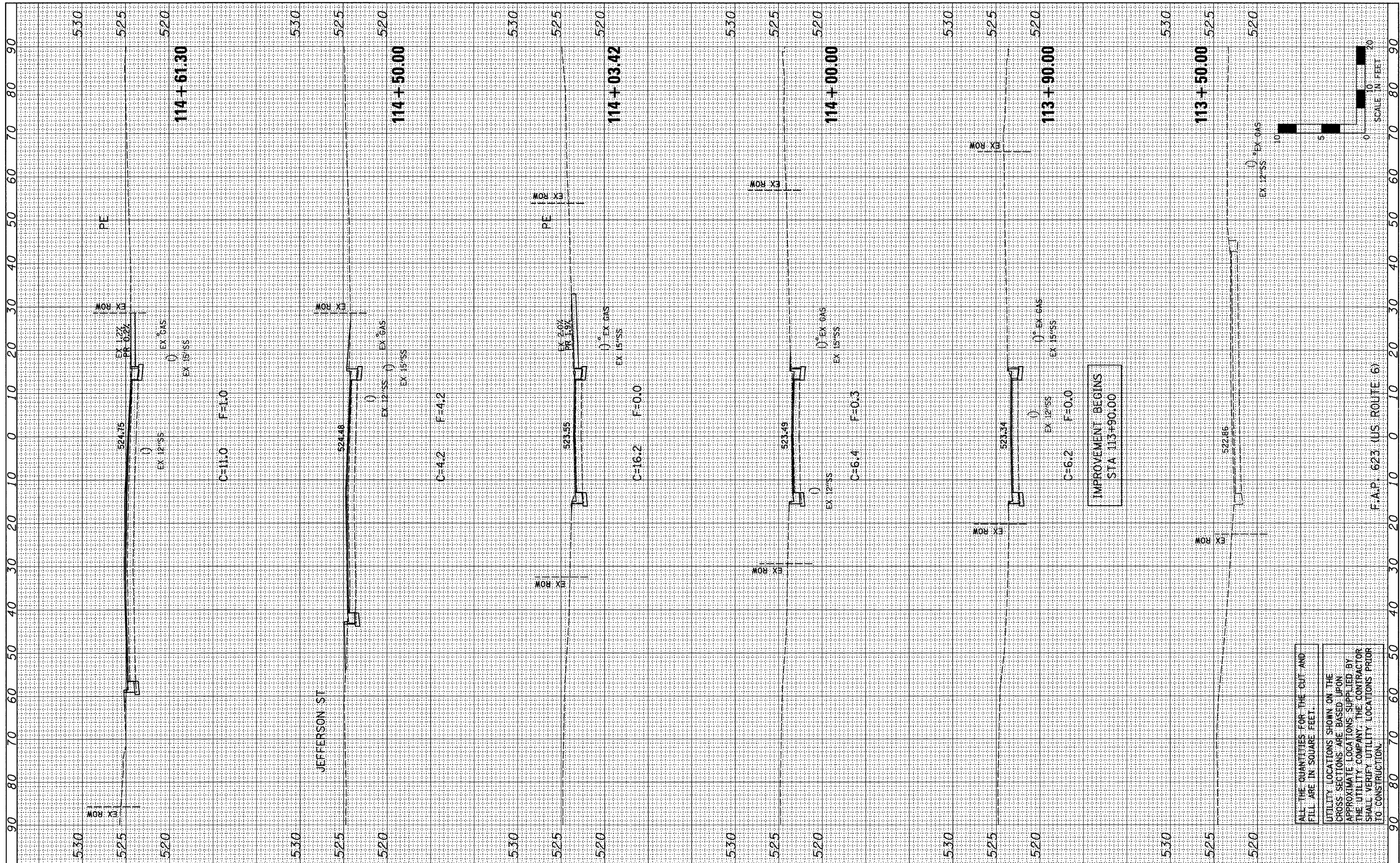
ATTENUATOR BASE DETAILS

NOTE: THE COST OF THE WELDED WIRE FABRIC AND EXPANSION JOINT MATERIAL SHALL BE INCLUDED IN THE PAY ITEM ATTENUATOR BASE.

FILE NAME = #FILEL*	USER NAME = #USER*	DESIGNED - JML	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS			F.A.P. RTE. 623	SECTION (G-1) BR-2	COUNTY LASALLE	TOTAL SHEETS 48	SHEET NO. 42
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FARNSWORTH GROUP, INC.					CONSULTING ENGINEERS - 2709 MCGRAW DRIVE BLOOMINGTON, ILLINOIS 61704 (309) 663-8435 / (309) 663-1571 FAX				24-8559			

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

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

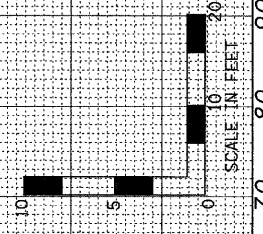


ALL THE QUANTITIES FOR THE CUT AND FILL ARE IN SQUARE FEET.

UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

IMPROVEMENT BEGINS
STA 113+90.00

F.A.P. 623 (US ROUTE 6)



FILE NAME =	USER NAME = #USER#
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DESIGNED - JML	REVISED -
DRAWN - JJO	REVISED -
CHECKED - MSW	REVISED -
DATE - 11/07/11	REVISED -

DESIGNED - JML	REVISED -
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DATE - 11/07/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

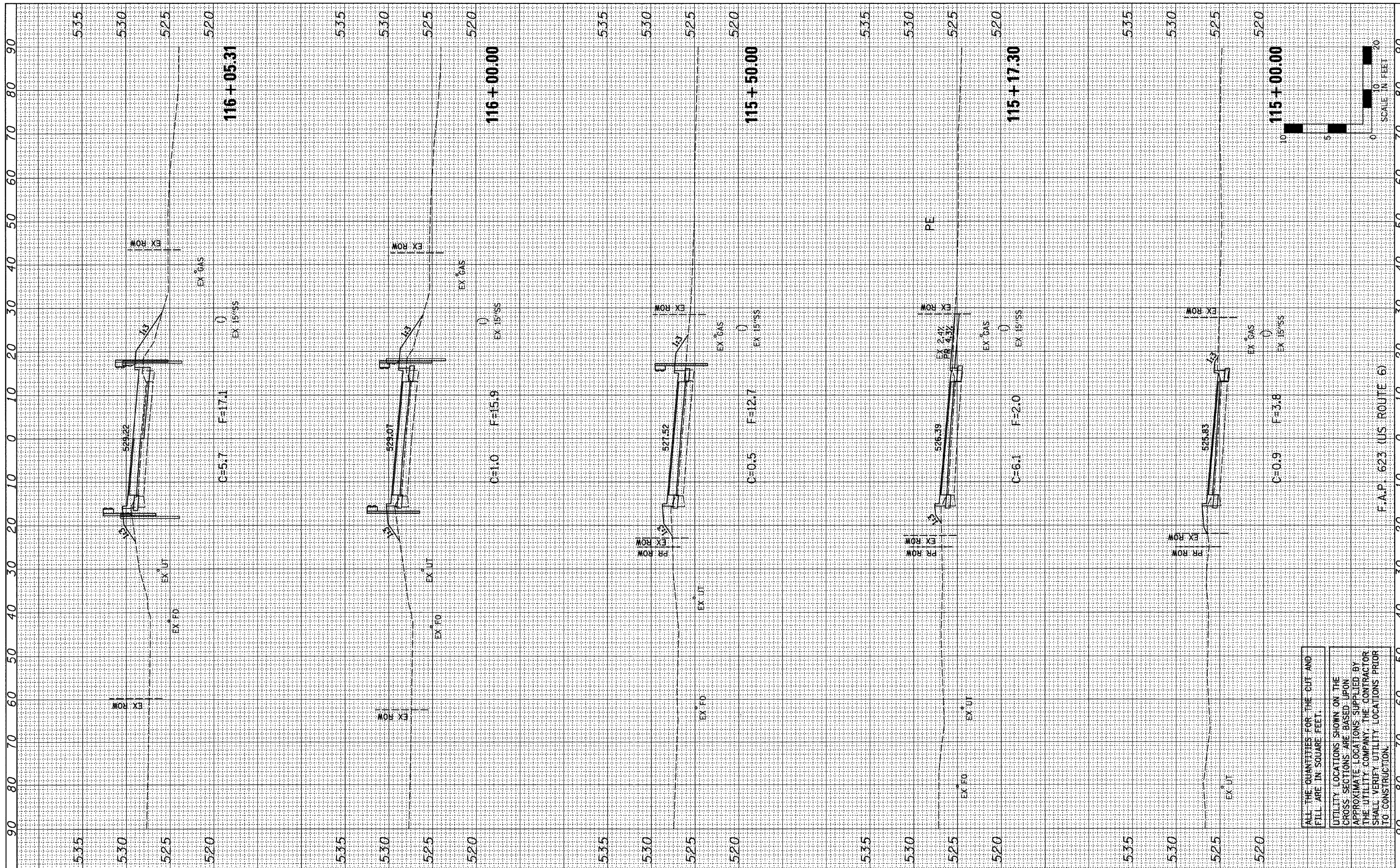
CROSS SECTIONS

SCALE: 1"=10' SHEET NO. OF SHEETS STA. 113+50.00 TO STA. 114+61.30

F.A.P. RTE. 623	SECTION (G-1) BR-2	COUNTY LASALLE	TOTAL SHEETS 48	SHEET NO. 43
CONTRACT NO. 66972				
ILLINOIS FED. AID PROJECT				

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

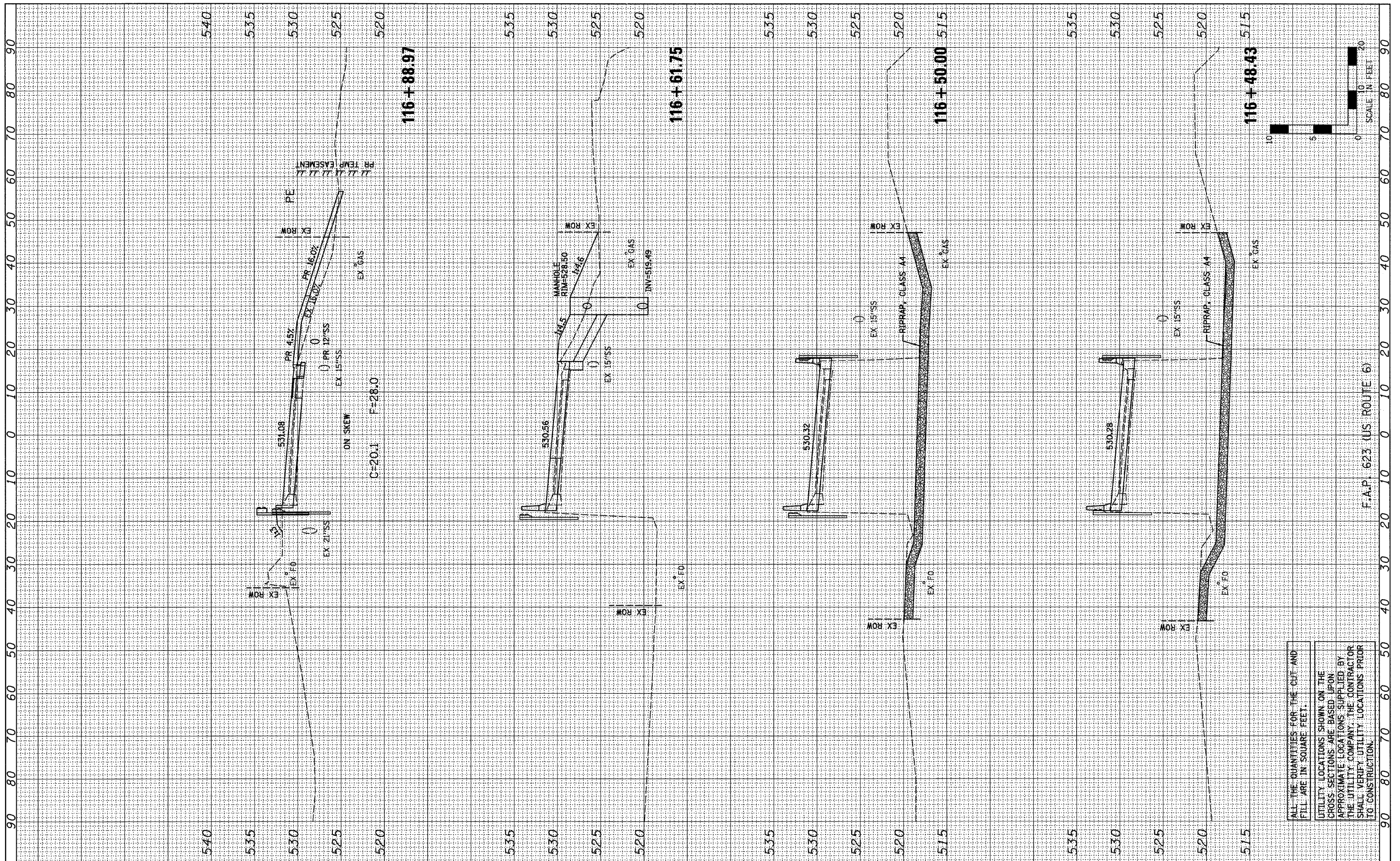


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 UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

FILE NAME =	USER NAME = #USER#	DESIGNED - JML	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.P. RTE. 623	SECTION (G-1) BR-2	COUNTY LASALLE	TOTAL SHEETS 48	SHEET NO. 44
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NOTE BOOK	PLOTTED		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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DESIGNED - JML	REVISED -
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DATE - 11/07/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

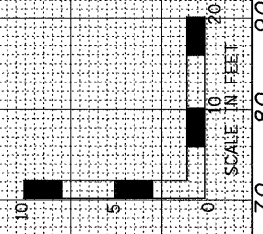
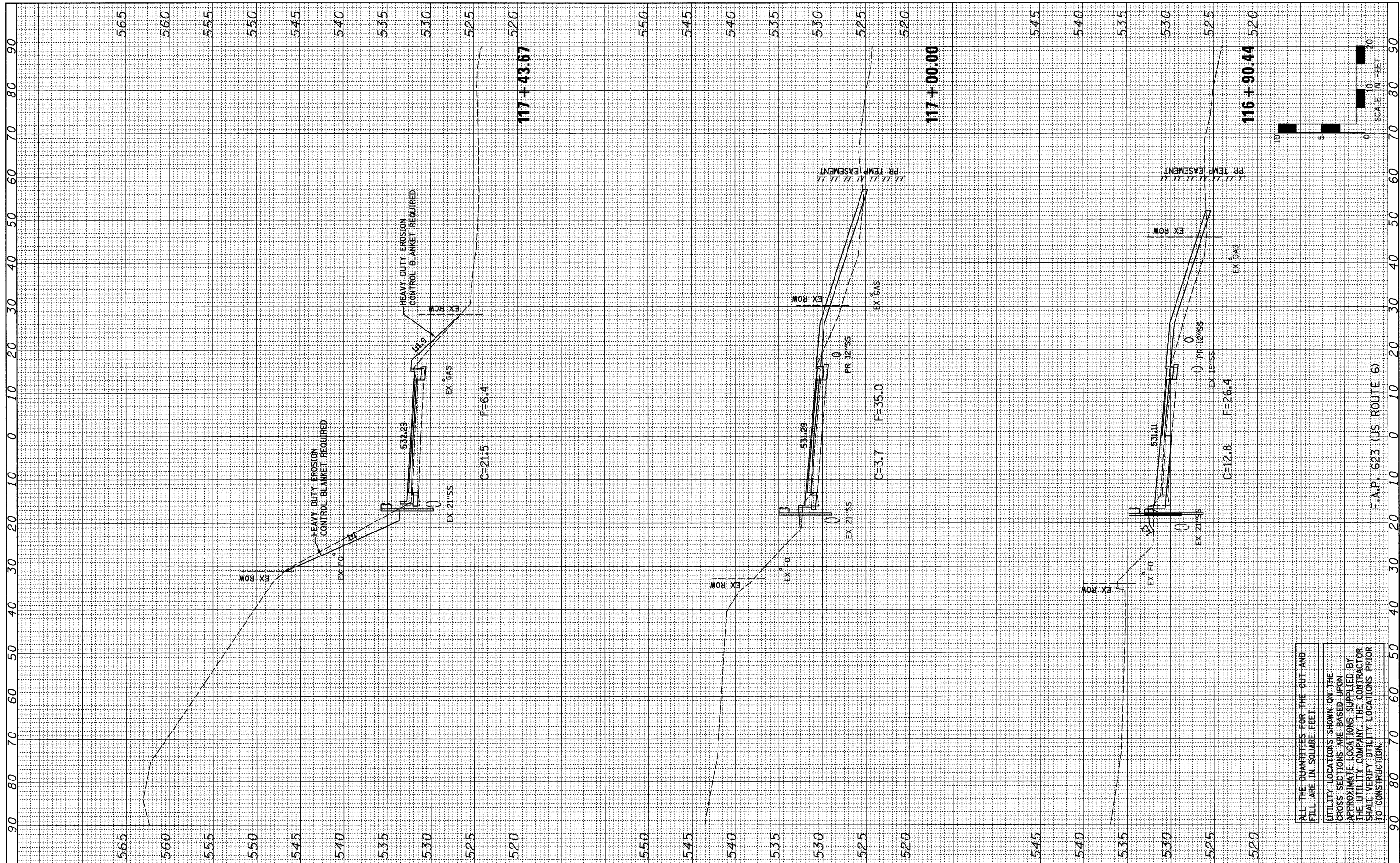
CROSS SECTIONS			
SCALE: 1"=10'	SHEET NO.	OF SHEETS	STA. 116+48.43 TO STA. 116+88.97

F.A.P. RTE. 623	SECTION (G-1) BR-2	COUNTY LASALLE	TOTAL SHEETS 48	SHEET NO. 45
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 66972		

ALL THE QUANTITIES FOR THE CUT AND FILL ARE IN SQUARE FEET.
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FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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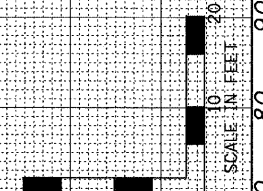
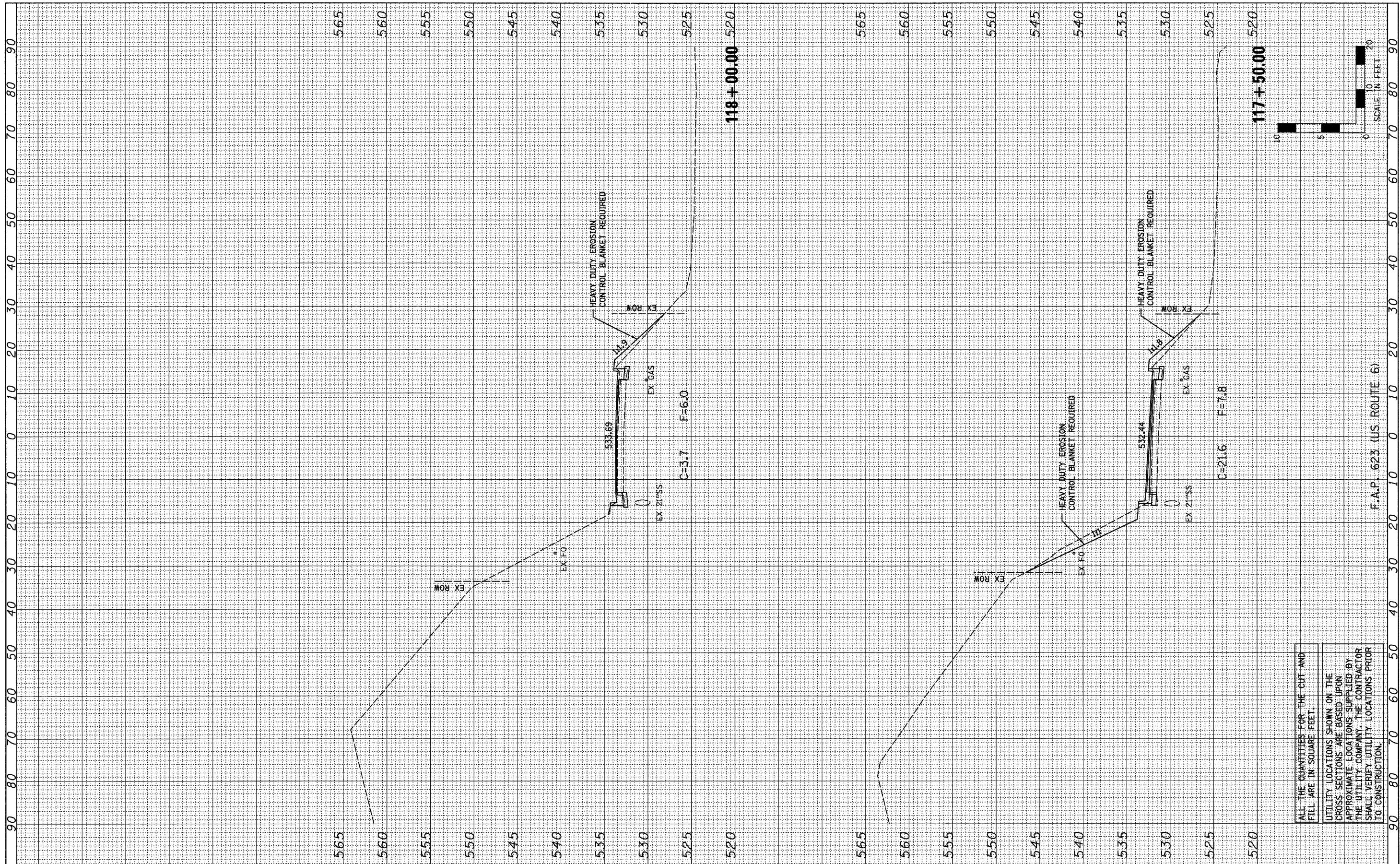
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	PLOT DATE = *DATE*	CHECKED - MSW	REVISED -	FARNSWORTH GROUP, INC.				CONSULTING ENGINEERS - 2709 MCGRAW DRIVE BLOOMINGTON, ILLINOIS 61704 (309) 663-8435 / (309) 663-1571 FAX				24-8559				

ALL THE QUANTITIES FOR THE CUT AND FILL ARE IN SQUARE FEET.
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F.A.P. 623 (US ROUTE 6)

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

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NOTE BOOK NO.	PLOTTED		
AREAS CHECKED	TEMPLATE		



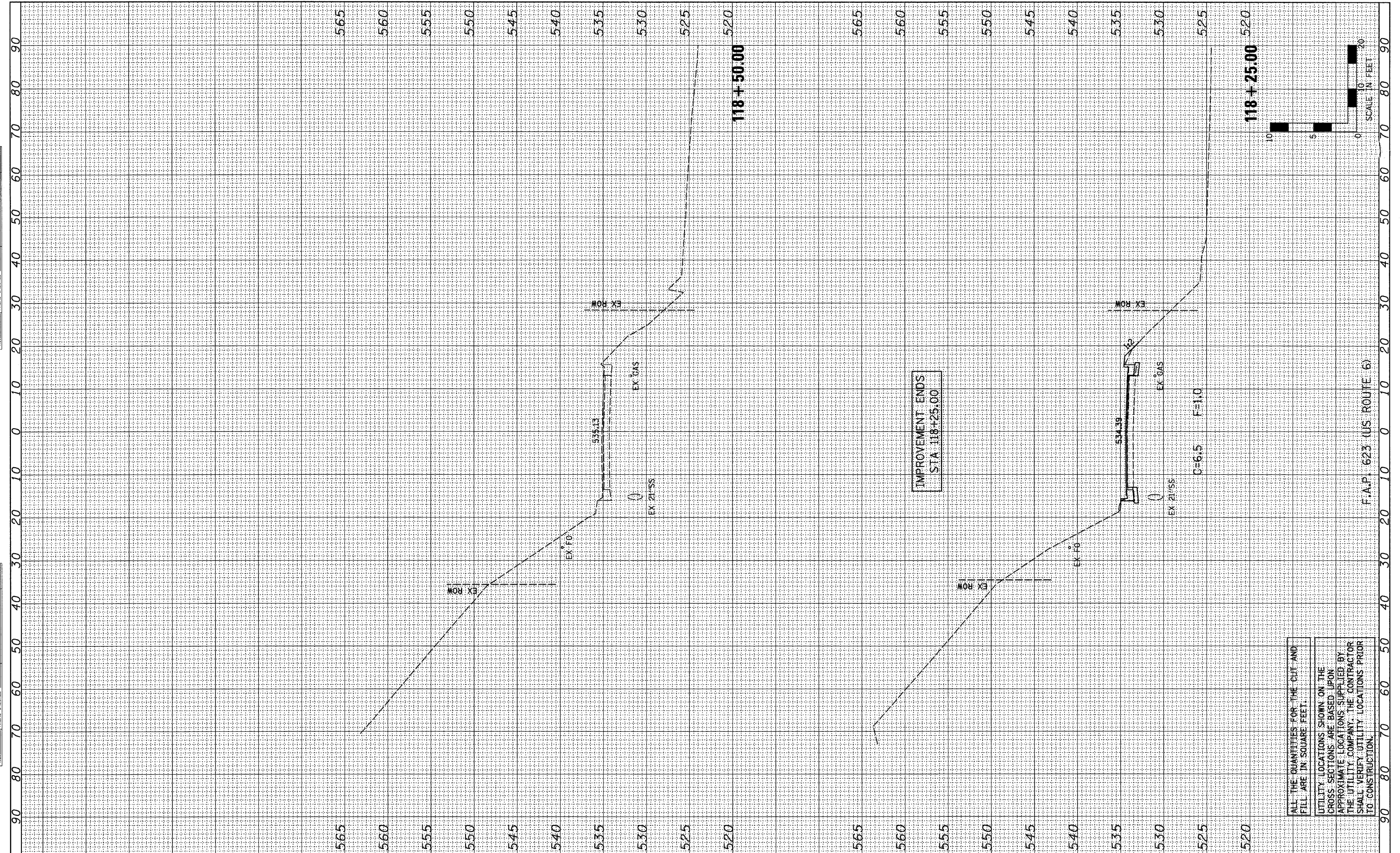
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		DATE - 11/07/11	REVISED -									

ALL THE QUANTITIES FOR THE CUT AND FILL ARE IN SQUARE FEET.

UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED UPON APPROXIMATE LOCATIONS SUPPLIED BY THE UTILITY COMPANY. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

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

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



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