

F.A.S. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	09-00657-00-BR	LASALLE	43	3
FED. ROAD DIST. NO. 7	ILLINOIS	CONTRACT NO. 87727		

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**PLANS FOR PROPOSED**  
**ILLINOIS SPECIAL BRIDGE PROGRAM**  
**LASALLE COUNTY**  
**SECTION 09-00657-00-BR**  
**F.A.S. 1283 (CH 5) OVER WOLF CREEK**  
**PROJECT NO. SFG8(697)**  
**JOB NUMBER C-93-015-20**

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
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**HIGHWAY STANDARDS (INCLUDED IN PROPOSAL)**

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420406	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
515001-04	NAME PLATE FOR BRIDGES
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
631032-09	TRAFFIC BARRIER TERMINAL, TYPE 6A
666001-01	RIGHT OF WAY MARKERS
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 23-4	TRAFFIC BARRIER TERMINAL TYPE 1

**UTILITY COMPANIES**

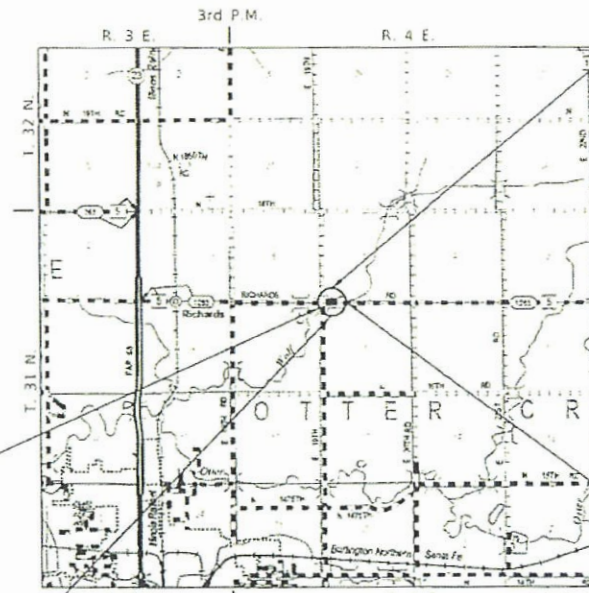
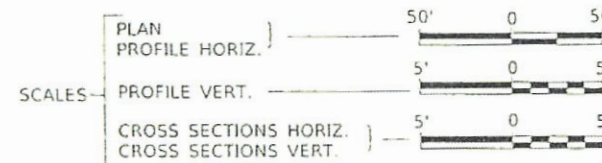
COMED  
JOLIET, ILLINOIS

FRONTIER COMMUNICATIONS  
NORMAL, ILLINOIS

NICOR GAS  
NAPERVILLE, ILLINOIS

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

**CONTRACT NO. 87727**



**LOCATION MAP**

1 MI 0 1 MI  
APPROXIMATE SCALE

NET LENGTH OF PROJECT = 800.00 FEET = 0.152 MILES  
DESIGN CLASSIFICATION: MAJOR COLLECTOR (NON-URBAN)  
DESIGN ADT = 1,583 (2040)  
DESIGN SPEED = 50 MPH

EXISTING STRUCTURE SN 050-3057  
SINGLE SPAN PRECAST PRESTRESSED DECK BEAM  
SUPERSTRUCTURE ON CONCRETE CLOSED ABUTMENTS  
ON CONCRETE FOOTINGS SUPPORTED ON TIMBER PILES.  
54'-0" BK. TO BK., 27'-0" O. TO O.,  
22° SKEW LT. AH. (TO BE REMOVED)

SECTION 09-00657-00-BR  
BEGINS  
STATION 16+00.00

SECTION 09-00657-00-BR  
ENDS  
STATION 24+00.00

PROPOSED STRUCTURE SN 050-3597  
SINGLE SPAN 42" PPC I-BEAM W/ CONCRETE DECK  
SUPERSTRUCTURE ON CONCRETE INTEGRAL  
ABUTMENTS, 77'-3" BK TO BK, AND  
31'-0" O. TO O. DECK, 20° SKEW LT. AH.



LOCATION OF SECTION INDICATED THUS: - - - -  
PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PLANS DESIGNED IN ACCORDANCE WITH BUREAU  
OF LOCAL ROADS AND STREETS MANUAL GUIDELINES  
FOR TWO LANE RURAL COLLECTORS - RECONSTRUCTION

APPROVED *FEB 18 2020*  
*David R. E.*  
LASALLE COUNTY ENGINEER

PASSED *February 21, 2020*  
*Stephen T. Mierwin*  
DISTRICT THREE ENGINEER OF  
LOCAL ROADS & STREETS

Released For  
Bid Based on  
Limited Review *February 21, 2020*  
*John P. ...*  
REGION TWO ENGINEER  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



**Hutchison Engineering, Inc.**  
JACKSONVILLE-SHOREWOOD  
PEORIA-QUAD CITIES

2020 JOB #4296

## GENERAL NOTES

THE REMOVAL OF EXISTING ASPHALT SURFACE AND GRAVEL OR CRUSHED STONE BASE COURSE WHICH MAY BE NECESSARY FOR THE CONSTRUCTION OF THE PROJECT SHALL BE REMOVED AS EARTH EXCAVATION AND NO COMPENSATION WILL BE ALLOWED FOR ADDITIONAL LABOR OR EQUIPMENT REQUIRED.

ALL WASTE OR UNDESIRABLE MATERIAL AS IDENTIFIED BY THE ENGINEER SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY AT THE CONTRACTOR'S EXPENSE.

ALL EXISTING PRIVATELY OWNED UTILITIES REQUIRING ADJUSTMENT WILL BE MADE BY THE UTILITY COMPANY INVOLVED, WHERE NO PROVISIONS HAVE BEEN MADE FOR ADJUSTMENTS ON THE PLANS, NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCES CAUSED BY THE SAID UTILITY ADJUSTMENTS.

THE PROFILE GRADE ELEVATIONS SHOWN ON THE PLAN AND PROFILE SHEETS AND IN THE STATION CROSS SECTIONS ARE TO THE TOP OF THE FINISHED SURFACE.

ALL EXISTING DRAINAGE STRUCTURES NOT BEING REMOVED BY THE CONTRACTOR THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

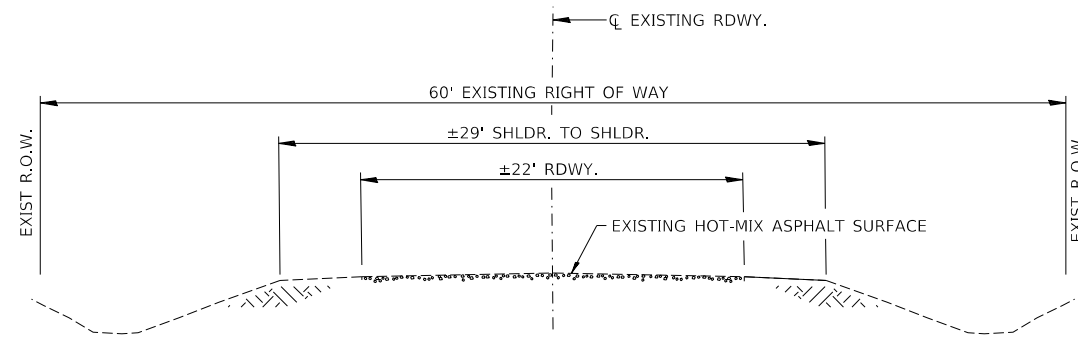
THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE COUNTY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL INDEMNIFY THE COUNTY, ITS OFFICERS AND EMPLOYEES AGAINST ALL CLAIMS DUE TO DAMAGE TO CORPORATE OR PRIVATE PROPERTY RESULTING FROM HIS CONSTRUCTION OPERATIONS AS DESCRIBED IN ARTICLES 107.20 AND 107.26 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS GRADING AND TRENCHING OPERATIONS AROUND TRANSMISSION POLES AND UNDER TRANSMISSION LINES. THE ADDED COST OF SO DOING SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

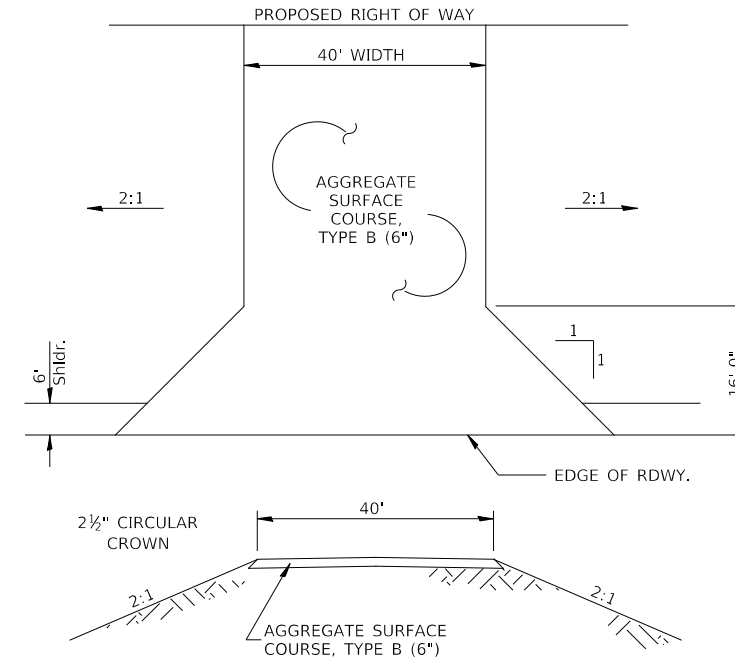
WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE PROPERTY MARKERS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT, HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE FINAL SURFACE OF ALL DISTURBED/EMBANKMENT AREAS SHALL BE SEEDED. THE TOP 4 INCHES OF THE SEEDED AREAS SHALL BE COHESIVE VEGETATION SUSTAINING SOIL SUBJECT TO THE APPROVAL OF THE ENGINEER. THE COST OF SHAPING THE SLOPES AND PROVIDING VEGETATION SUSTAINING SOIL WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION. TOPSOIL MAY BE STRIPPED AND STOCKPILED FROM THE SITE OR HAULED IN FROM AN ALTERNATE LOCATION AS APPROVED BY THE ENGINEER.

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

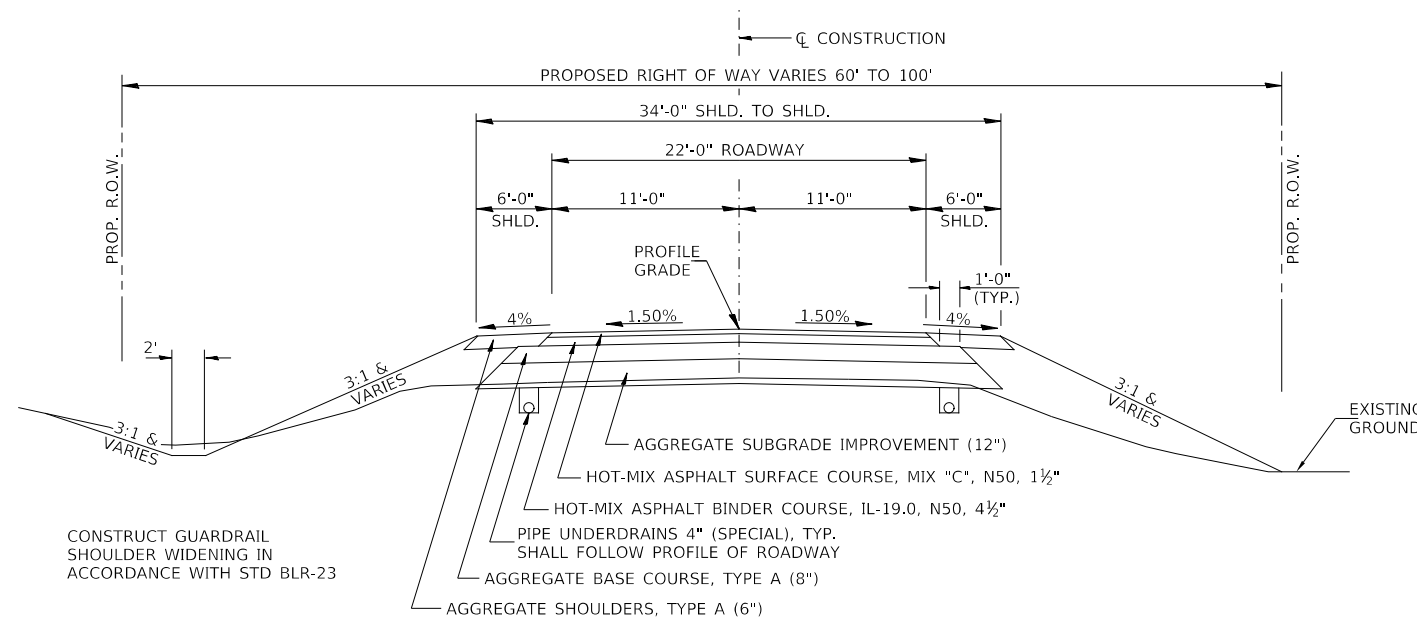


**EXISTING TYPICAL SECTION**



**PROPOSED FIELD ENTRANCE**

STA 18+20 LT



**PROPOSED TYPICAL SECTION**

STA. 16+00.00 TO STA. 19+13.80  
STA. 20+80.21 TO STA. 24+00.00  
EXCEPT TRANSITIONS

BRIDGE APPROACH PAVEMENT CONNECTOR  
STA. 19+13.80 TO STA. 19+29.44  
STA. 20+64.57 TO STA. 20+80.21

BRIDGE APPROACH PAVEMENT  
STA. 19+29.44 TO STA. 19+59.44  
STA. 20+34.57 TO STA. 20+64.57

BRIDGE OMISSION  
STA. 19+59.44 TO STA. 20+34.57

## STRUCTURAL DESIGN INFORMATION COUNTY HIGHWAY 5

ROAD CLASSIFICATION: CLASS III 80,000 lb./20 YEAR DESIGN  
STRUCTURAL DESIGN TRAFFIC:  
PV = 1,300 SU = 103 MU = 74  
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
P = 88% S = 7% M = 5%  
MINIMUM SUBGRADE SUPPORT RATING: FAIR  
FLEXIBLE PAVEMENT DESIGN: MINIMUM TF = 0.40  
ASPHALT PAVEMENT THICKNESS: 6"  
AGGREGATE BASE COURSE, TYPE A: 8"  
AGGREGATE SUBGRADE IMPROVEMENT: 12"

## HOT-MIX ASPHALT MIXTURE REQUIREMENTS

	HMA BINDER	HMA SURFACE
PG GRADE:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4% @ N50	4% @ N50
MIXTURE COMPOSITION:	IL-19.0	IL-9.5
FRICTION AGGREGATE:		MIXTURE C
DENSITY TEST METHOD:	CORES	CORES
MIXTURE WEIGHT:	112#/SQ YD/IN	112#/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A
LOCATION(S):	ENTIRE PROJECT	ENTIRE PROJECT

FILE NAME =	USER NAME = SMierzwa	DESIGNED -	REVISED -
V:\4296 - CH 5 over Wolf Creek (LeSalle)	CADD\CADD Sheets\4296t001.dgn	DRAWN -	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/17/2020	DATE -	REVISED -

**LASALLE COUNTY  
COUNTY HIGHWAY 5  
OVER WOLF CREEK**

## GENERAL NOTES, TYPICAL SECTIONS, PAVEMENT DESIGN INFORMATION, DETAILS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. 16+00.00 TO STA. 24+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	09-00657-00-BR	LASALLE	41	2
CONTRACT NO. 87727				
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT NO. 5FG8(697)

SUMMARY OF QUANTITIES				
CODE NO.	ITEM	UNIT	QUANTITY	
20200100	EARTH EXCAVATION	CU YD	1,085	
20300100	CHANNEL EXCAVATION	CU YD	210	
① 20400800	FURNISHED EXCAVATION	CU YD	1,005	
25100630	EROSION CONTROL BLANKET	SQ YD	3,503	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,000	
28000305	TEMPORARY DITCH CHECKS	FOOT	60	
① 28000400	PERIMETER EROSION BARRIER	FOOT	600	
① 28000500	INLET AND PIPE PROTECTION	EACH	1	
28100709	STONE RIPRAP, CLASS A5	SQ YD	880	
① 28200200	FILTER FABRIC	SQ YD	880	
① 30300011	AGGREGATE SUBGRADE IMPROVEMENT	TON	1,213	
35100100	AGGREGATE BASE COURSE, TYPE A	TON	759	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	57	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	3,959	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	705	
① 40603080	HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N50	TON	402	
① 40604050	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "C", N50	TON	131	
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	108	
48100100	AGGREGATE SHOULDERS, TYPE A	TON	337	
① 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	
50105220	PIPE CULVERT REMOVAL	FOOT	58	
50200100	STRUCTURE EXCAVATION	CU YD	215	
50300100	FLOOR DRAINS	EACH	10	
50300225	CONCRETE STRUCTURES	CU YD	63.3	
① 50300255	CONCRETE SUPERSTRUCTURE	CU YD	94.5	
50300260	BRIDGE DECK GROOVING	SQ YD	420	
50300300	PROTECTIVE COAT	SQ YD	475	
① 50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	87.9	
50400905	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 42 IN.	FOOT	372	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	62,670	
* 50901050	STEEL RAILING, TYPE SM	FOOT	211	
51200959	FURNISHING METAL SHELL PILES 14" X 0.312"	FOOT	336	
51202305	DRIVING PILES	FOOT	336	
51203200	TEST PILE METAL SHELLS	EACH	2	
51500100	NAME PLATES	EACH	1	
① 542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	52	
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	125	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	70	
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4	
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	40	
60108501	PIPE UNDERDRAINS, TYPE 3	FOOT	1,268	
* ① 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	
63200310	GUARDRAIL REMOVAL	FOOT	600	
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	8	
67100100	MOBILIZATION	L SUM	1	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,800	
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	6	
* ① LR631020	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	4	
① X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.7	
* ① X6650208	WOVEN WIRE FENCE REMOVAL AND REPLACEMENT	FOOT	465	
① X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	
① Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	140	
① XX009301	FIELD TILE ADJUSTMENT	FOOT	200	

① SEE SPECIAL PROVISIONS CONSTRUCTION CODE TYPE: 0010  
\* SPECIALTY ITEMS

EARTHWORK SUMMARY					
STATION TO STATION	EARTH EXCAVATION	CHANNEL EXCAVATION	STRUCTURE EXCAVATION	FILL	WASTE (SHORTAGE)
RDWY 16+00.00 - 19+58.38	674			964	(459)
RDWY 20+35.63 - 24+00.00	412			854	(545)
CHANNEL		210			
STRUCTURE			215		
TOTAL	1,086	210	215	1,818	(1,004)
USE	1,085	210	215	-	(1,005)

(@ 25% SHRINKAGE)

PAVEMENT SCHEDULE									
STATION TO STATION	WIDTH	LENGTH	AGGREGATE SUBGRADE IMPROVEMENT 140#/CF	AGGREGATE BASE CSE, TYPE A 140#/CF	BITUMINOUS MATERIALS (PRIME COAT) 0.25LBS/SQ FT	HOT-MIX ASPHALT BINDER CSE 112#/SQ YD/IN	BITUMINOUS MATERIALS (TACK COAT) 0.05LBS/SQ FT	HOT-MIX ASPHALT SURFACE CSE 112#/SQ YD/IN	PVMT CONN. (HMA) FOR BRIDGE APPR. SLAB
			TON	TON	POUND	TON	POUND	TON	SQ YD
16+00.00 16+50.00	27.27' AVG.	50.00'	96						
16+50.00 19+13.80	27.33'	263.80'	505						
20+80.21 23+50.00	27.33'	269.79'	516						
23+50.00 24+00.00	27.30' AVG.	50.00'	96						
16+00.00 16+50.00	25.60' AVG.	50.00'		60					
16+50.00 19+13.80	25.67'	263.80'		316					
20+80.21 23+50.00	25.67'	269.79'		323					
23+50.00 24+00.00	25.63 AVG.	50.00'		60					
16+00.00 16+50.00	24.93' AVG.	50.00'			312				
16+50.00 19+13.80	25.00'	263.80'			1,649				
20+80.21 23+50.00	25.00'	269.79'			1,686				
23+50.00 24+00.00	24.96' AVG.	50.00'			312				
16+00.00 16+50.00	22.56' AVG.	50.00'				32			
16+50.00 19+13.80	22.63'	263.80'				167			
20+80.21 23+50.00	22.63'	269.79'				171			
23+50.00 24+00.00	22.59' AVG.	50.00'				32			
16+00.00 16+50.00	22.19' AVG.	50.00'					55		
16+50.00 19+13.80	22.25'	263.80'					294		
20+80.21 23+50.00	22.25'	269.79'					300		
23+50.00 24+00.00	22.22' AVG.	50.00'					56		
16+00.00 16+50.00	22.06' AVG.	50.00'						10	
16+50.00 19+13.80	22.13'	263.80'						55	
20+80.21 23+50.00	22.13'	269.79'						56	
23+50.00 24+00.00	22.09' AVG.	50.00'						10	
19+13.80 19+29.44	31.00'	15.64'							54
20+64.57 20+80.21	31.00'	15.64'							54
TOTAL			1,213	759	3,959	402	705	131	108

FURNISHING AND ERECTING RIGHT OF WAY MARKERS				
STATION	SIDE	OFFSET	EACH	
16+00	LT	30'	1	
16+00	RT	30'	1	
18+00	LT	55'	1	
18+00	RT	45'	1	
19+75	LT	55'	1	
21+50	RT	45'	1	
22+50	LT	30'	1	
23+75	RT	30'	1	
TOTAL			8	

AGGREGATE SHOULDERS, TYPE A 140#/CF					
STATION TO STATION	STATION	SIDE	WIDTH	LENGTH	TON
16+00.00	16+50.00	LT	4.49' AVG.	50.00'	8
16+00.00	16+50.00	RT	4.66' AVG.	50.00'	8
16+50.00	18+40.51	RT	6.00'	190.51'	40
16+50.00	18+51.79	LT	6.00'	201.79'	42
18+40.51	18+63.01	RT	10.25' AVG.	22.50'	8
18+51.79	18+74.29	LT	10.25' AVG.	22.50'	8
18+63.01	18+88.01	RT	14.50'	25.00'	13
18+74.29	18+99.29	LT	14.50'	25.00'	13
18+88.01	19+13.01	RT	11.13' AVG.	25.00'	10
18+99.29	19+13.80	LT	12.54' AVG.	14.51'	6
19+13.01	19+13.80	RT	7.75'	0.79'	1
19+13.80	19+24.29	LT	4.67' AVG.	10.49'	2
19+13.80	19+39.47	RT	3.25'	25.67'	3
19+24.29	19+53.74	LT	3.25'	29.45'	3
19+39.47	19+52.54	RT	2.18' AVG.	13.07'	1
19+53.74	19+64.29	LT	2.35' AVG.	10.55'	1
20+29.72	20+40.27	RT	2.35' AVG.	10.55'	1
20+40.27	20+69.72	RT	3.25'	29.45'	3
20+41.47	20+54.54	LT	2.18' AVG.	13.07'	1
20+54.54	20+80.21	LT	3.25'	25.67'	3
20+69.72	20+80.21	RT	4.67' AVG.	10.49'	2
20+80.21	20+81.00	LT	7.75'	0.79'	1
20+80.21	20+94.72	RT	12.54' AVG.	14.51'	6
20+81.00	21+06.00	LT	11.13' AVG.	25.00'	10
20+94.72	21+19.72	RT	14.50'	25.00'	13
21+06.00	21+31.00	LT	14.50'	25.00'	13
21+19.72	21+42.22	RT	10.25' AVG.	22.50'	8
21+31.00	21+53.50	LT	10.25' AVG.	22.50'	8
21+42.22	23+50.00	RT	6.00'	207.78'	44
21+53.50	23+50.00	LT	6.00'	196.50'	41
23+50.00	24+00.00	RT	4.59' AVG.	50.00'	8
23+50.00	24+00.00	LT	4.55' AVG.	50.00'	8
TOTAL					337

AGGREGATE SURFACE COURSE, TYPE B			
STATION	WIDTH	LENGTH	TON
ENTR. - 18+20.00 LT	40' & VAR.	38.00'	57
TOTAL			57

PAINT PAVEMENT MARKING - LINE 4"			
STATION TO STATION	SIDE	DESCRIPTION	FOOT
16+00.00 24+00.00	LEFT	WHITE SOLID	800
16+00.00 24+00.00	CENTER	YELLOW SKIP DASH	200
16+00.00 24+00.00	RIGHT	WHITE SOLID	800
TOTAL			1,800

MODEL: ANODE MARKS  
FILE NAME: V12229 - 01\_5 over Wolf Creek (LASALLE) CADD/CDP Sheet4296001.dgn

USER NAME = SMierzwa	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 2/18/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**LASALLE COUNTY  
COUNTY HIGHWAY 5  
OVER WOLF CREEK**

**SUMMARY OF QUANTITIES,  
SCHEDULES OF QUANTITIES**

SCALE: NONE	SHEET 11 OF 2 SHEETS	STA. 16+00.00 TO STA. 24+00.00	F.A.S. RTE. 1283	SECTION 09-00657-00-BR	COUNTY LASALLE	TOTAL SHEETS 41	SHEET NO. 3
			FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT NO. SFG8(697)		

CONTRACT NO. 87727

EROSION CONTROL BLANKET					
STATION TO STATION	SIDE	WIDTH	LENGTH	AREA (SQ YD)	
16+00	18+00	LEFT	VARIES	200'	569
16+00	19+50	RIGHT	VARIES	350'	878
18+40	19+78	LEFT	VARIES	138'	494
20+19	24+00	RIGHT	VARIES	381'	892
20+44	24+00	LEFT	VARIES	356'	670
<b>TOTAL</b>					<b>3,503</b>

TEMPORARY DITCH CHECKS		
STATION	SIDE	FOOT
17+00	LEFT	12
18+25	RIGHT	12
19+80	LEFT	12
20+15	RIGHT	12
22+00	RIGHT	12
<b>TOTAL</b>		<b>60</b>

PERIMETER EROSION BARRIER			
STATION TO STATION	SIDE	FOOT	
17+94	18+50	LEFT	60
18+25	19+50	RIGHT	140
20+44	24+00	LEFT	375
23+75	24+00	RIGHT	25
<b>TOTAL</b>			<b>600</b>

INLET AND PIPE PROTECTION		
STATION	SIDE	EACH
17+94	LEFT	1
<b>TOTAL</b>		<b>1</b>

PIPE CULVERT REMOVAL			
STATION	SIZE	SIDE	FOOT
18+26	15"	LEFT	58
<b>TOTAL</b>			<b>58</b>

PIPE CULVERTS, CLASS D, TYPE 1 24"		
STATION	SIDE	FOOT
18+20	LEFT	52
<b>TOTAL</b>		<b>52</b>

WOVEN WIRE FENCE REMOVAL AND REPLACEMENT			
STATION TO STATION	SIDE	FOOT	
16+00	20+45	RT	465
<b>TOTAL</b>			<b>465</b>

CONCRETE HEADWALLS FOR PIPE UNDERDRAINS		
STATION	SIDE	EACH
16+05	LEFT	1
16+05	RIGHT	1
23+95	LEFT	1
23+95	RIGHT	1
<b>TOTAL</b>		<b>4</b>

PIPE UNDERDRAINS 4" (SPECIAL)		
STATION	SIDE	FOOT
16+05	LEFT	10
16+05	RIGHT	10
23+95	LEFT	10
23+95	RIGHT	10
<b>TOTAL</b>		<b>40</b>

PIPE UNDERDRAINS, TYPE 3			
STATION TO STATION	SIDE	FOOT	
16+00.00	19+13.80	LEFT	314
16+00.00	19+13.80	RIGHT	314
20+80.21	24+00.00	LEFT	320
20+80.21	24+00.00	RIGHT	320
<b>TOTAL</b>			<b>1,268</b>

GUARDRAIL REMOVAL			
STATION TO STATION	SIDE	FOOT	
17+80	19+68	RT	188
18+66	19+78	LT	112
20+22	21+34	RT	112
20+32	22+20	LT	188
<b>TOTAL</b>			<b>600</b>

TRAFFIC BARRIER TERMINAL, TYPE 6A			
STATION TO STATION	SIDE	EACH	
19+00.24	19+37.74	RT	1
19+11.52	19+49.02	LT	1
20+44.99	20+82.49	RT	1
20+56.27	20+93.77	LT	1
<b>TOTAL</b>			<b>4</b>

TRAFFIC BARRIER TERMINAL, TYPE 1			
STATION TO STATION	SIDE	EACH	
18+75.51	19+00.24	RT	1
18+86.79	19+11.52	LT	1
20+82.49	21+07.22	RT	1
20+93.77	21+18.50	LT	1
<b>TOTAL</b>			<b>4</b>

GUARDRAIL REFLECTORS, TYPE A			
STATION TO STATION	SIDE	GUARDRAIL REFLECTORS (EACH)	
18+75.51	21+07.22	RIGHT	3
18+86.79	21+18.50	LEFT	3
<b>TOTAL</b>			<b>6</b>

ALL GUARDRAIL REFLECTORS SHALL BE BI-DIRECTIONAL

MODEL: s:\MODEL\MAME FILE NAME: 031229 - C1.5 over Wolf Creek (L:\S\Info)\CADD\CADD Sheets\12396002.dgn

USER NAME = SMierzwa	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 100.0000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 2/18/2020	DATE - _____	REVISED - _____

**LASALLE COUNTY  
COUNTY HIGHWAY 5  
OVER WOLF CREEK**

**SUMMARY OF QUANTITIES,  
SCHEDULES OF QUANTITIES**

SCALE: NONE SHEET 2 OF 2 SHEETS STA. 16+00.00 TO STA. 24+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	09-00657-00-BR	LASALLE	41	4
CONTRACT NO. 87727				
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO. 5FG8(697)	

R 3 E | R 4 E, 3rd PM

- 1

ROAD CLOSED  
3/4 MILE AHEAD  
LOCAL TRAFFIC ONLY  
R11-3

ROAD CLOSED  
3/4 MILE AHEAD  
LOCAL TRAFFIC ONLY
- 2

ROAD CLOSED  
1 MILE AHEAD  
LOCAL TRAFFIC ONLY  
R11-3

ROAD CLOSED  
1 MILE AHEAD  
LOCAL TRAFFIC ONLY
- 3

ROAD CLOSED  
2 MILES AHEAD  
LOCAL TRAFFIC ONLY  
R11-3

ROAD CLOSED  
2 MILES AHEAD  
LOCAL TRAFFIC ONLY
- 4

ROAD CLOSED  
3 MILES AHEAD  
LOCAL TRAFFIC ONLY  
R11-3

ROAD CLOSED  
3 MILES AHEAD  
LOCAL TRAFFIC ONLY
- 5

ROAD CLOSED  
AHEAD  
W20-3

ROAD CLOSED  
AHEAD
- 6

ROAD CLOSED  
500 FT  
W20-3

ROAD CLOSED  
500 FT
- 7

TYPE III BARRICADES
- 8

TYPE III BARRICADES  
(STAGGERED)

SEE STANDARD BLR 21  
AND SPECIAL PROVISIONS

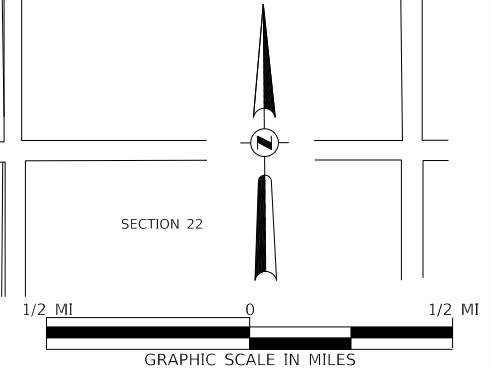


R 3 E | R 4 E, 3rd PM

**LASALLE COUNTY  
COUNTY HIGHWAY 5  
OVER WOLF CREEK**

**TRAFFIC CONTROL PLAN**

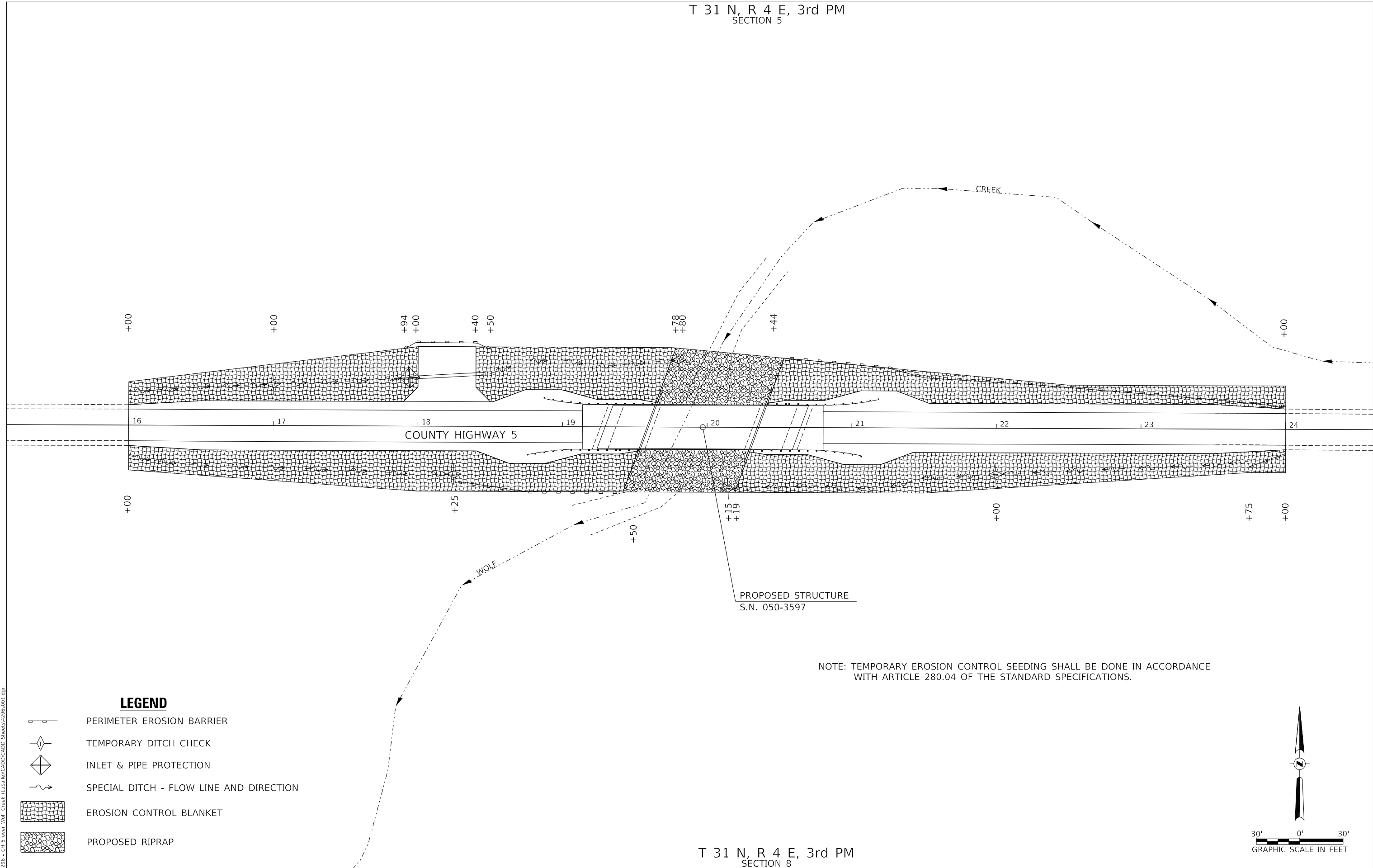
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





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USER NAME = SMierzwa	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 2,000' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/18/2020	DATE -	REVISED -	

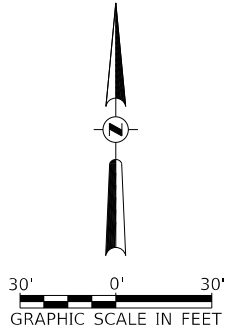
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	09-00657-00-BR	LASALLE	41	5
CONTRACT NO. 87727				
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT NO. SFG8(697)		



**LEGEND**

-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  INLET & PIPE PROTECTION
-  SPECIAL DITCH - FLOW LINE AND DIRECTION
-  EROSION CONTROL BLANKET
-  PROPOSED RIPRAP

NOTE: TEMPORARY EROSION CONTROL SEEDING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 280.04 OF THE STANDARD SPECIFICATIONS.



MODEL: \\MODEL\NAME  
 FILE NAME: \\12345 - C1 5 over Wolf Creek (LASALLE)\CADD\CADD Sheets\12345.dgn

USER NAME = SMierzwa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 60,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/18/2020	DATE -	REVISED -

**LASALLE COUNTY  
COUNTY HIGHWAY 5  
OVER WOLF CREEK**

**EROSION CONTROL PLAN**

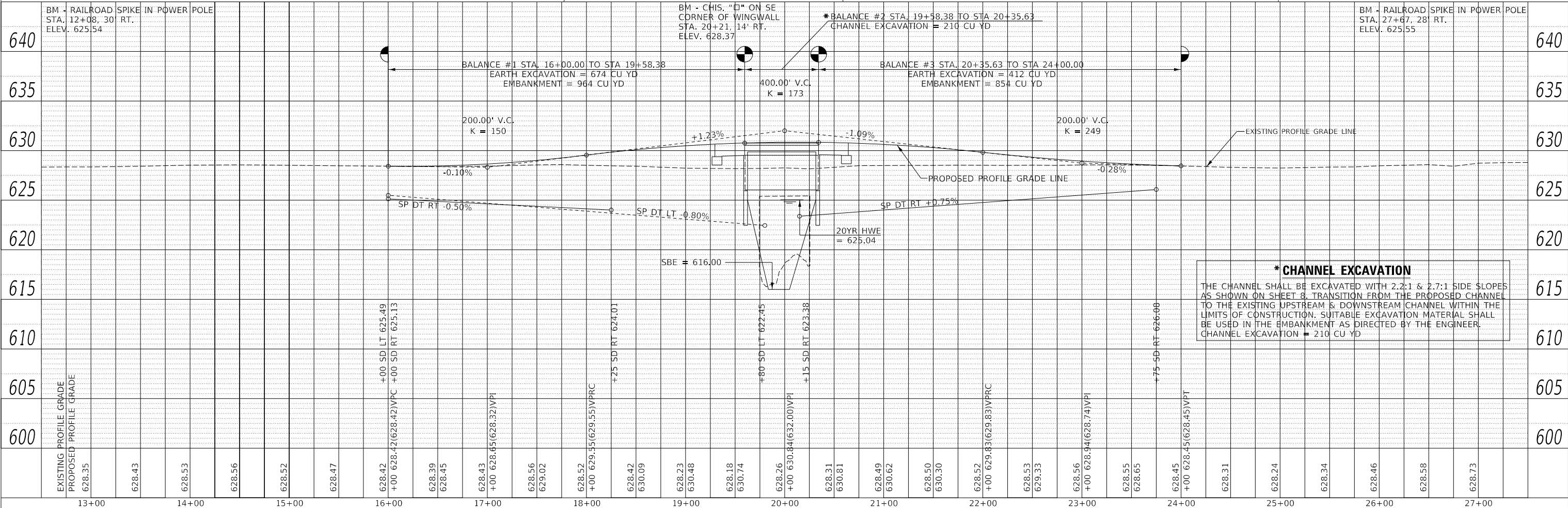
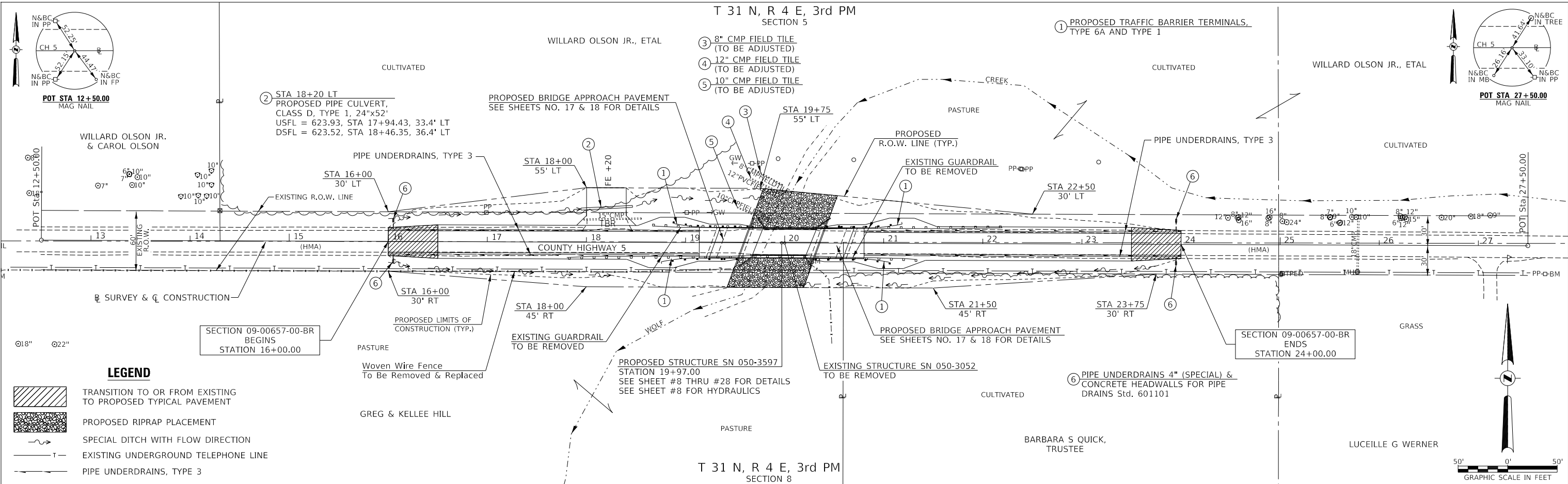
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	09-00657-00-BR	LASALLE	41	6
CONTRACT NO. 87727				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. 5FG8(697)		

DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	FILE NAME
	NO.

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES
	CHECKED
	STRUCTURE
	NOTATIONS
	NO.

MODEL: SPODELMAMES  
FILE NAME: V:\1299 - CH 5 over Wolf Creek (LUSALLE\CADD\CADD Sheets\296\001.dwg)



**\* CHANNEL EXCAVATION**  
THE CHANNEL SHALL BE EXCAVATED WITH 2.2:1 & 2.7:1 SIDE SLOPES AS SHOWN ON SHEET 8. TRANSITION FROM THE PROPOSED CHANNEL TO THE EXISTING UPSTREAM & DOWNSTREAM CHANNEL WITHIN THE LIMITS OF CONSTRUCTION. SUITABLE EXCAVATION MATERIAL SHALL BE USED IN THE EMBANKMENT AS DIRECTED BY THE ENGINEER.  
CHANNEL EXCAVATION = 210 CU YD

USER NAME	= SMierzwa	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 100.0000' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 2/18/2020	DATE	-	REVISED	-

**LASALLE COUNTY  
COUNTY HIGHWAY 5  
OVER WOLF CREEK**

<b>PLAN AND PROFILE</b>			
SCALE:	1"=50'	SHEET	1 OF 1 SHEETS
STA.	16+00.00	TO STA.	24+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	09-00657-00-BR	LASALLE	41	7
CONTRACT NO. 87727				
FED. ROAD DIST. NO. 7		ILLINOIS		
FED. AID PROJECT NO. 5FG(697)				

B.M.: RR Spike in Power Pole Sta. 12+08, 30' Rt. Elev. 625.54  
 RR Spike in Power Pole Sta. 27+67, 28' Rt. Elev. 625.55

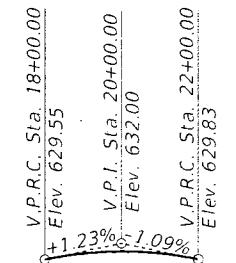
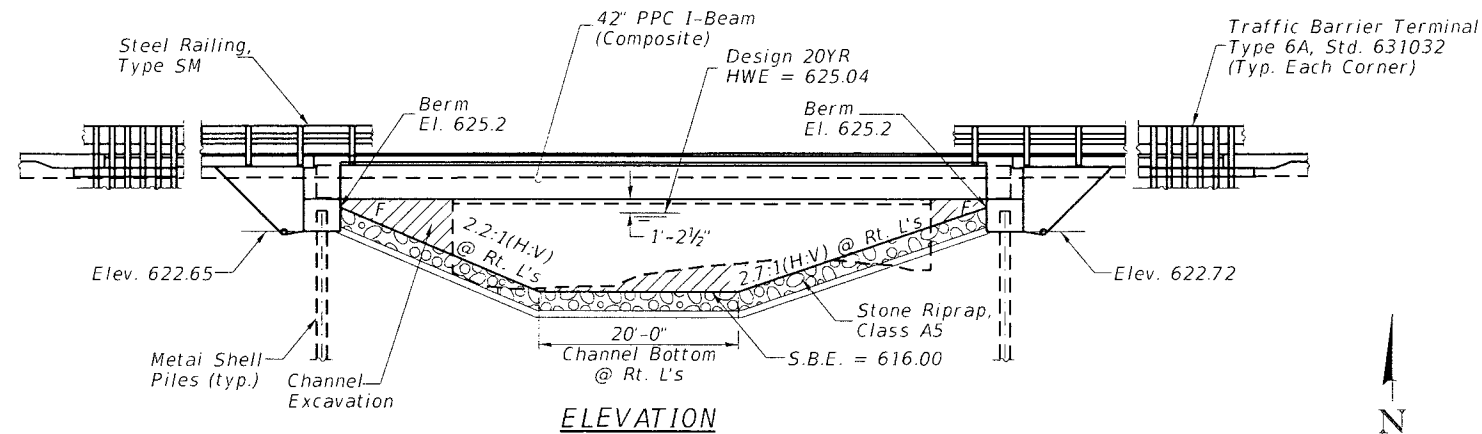
Note:  
 See Sheet 2 of 21 for Bill of Material,  
 General Notes and Section A-A.

**Existing Structure:**

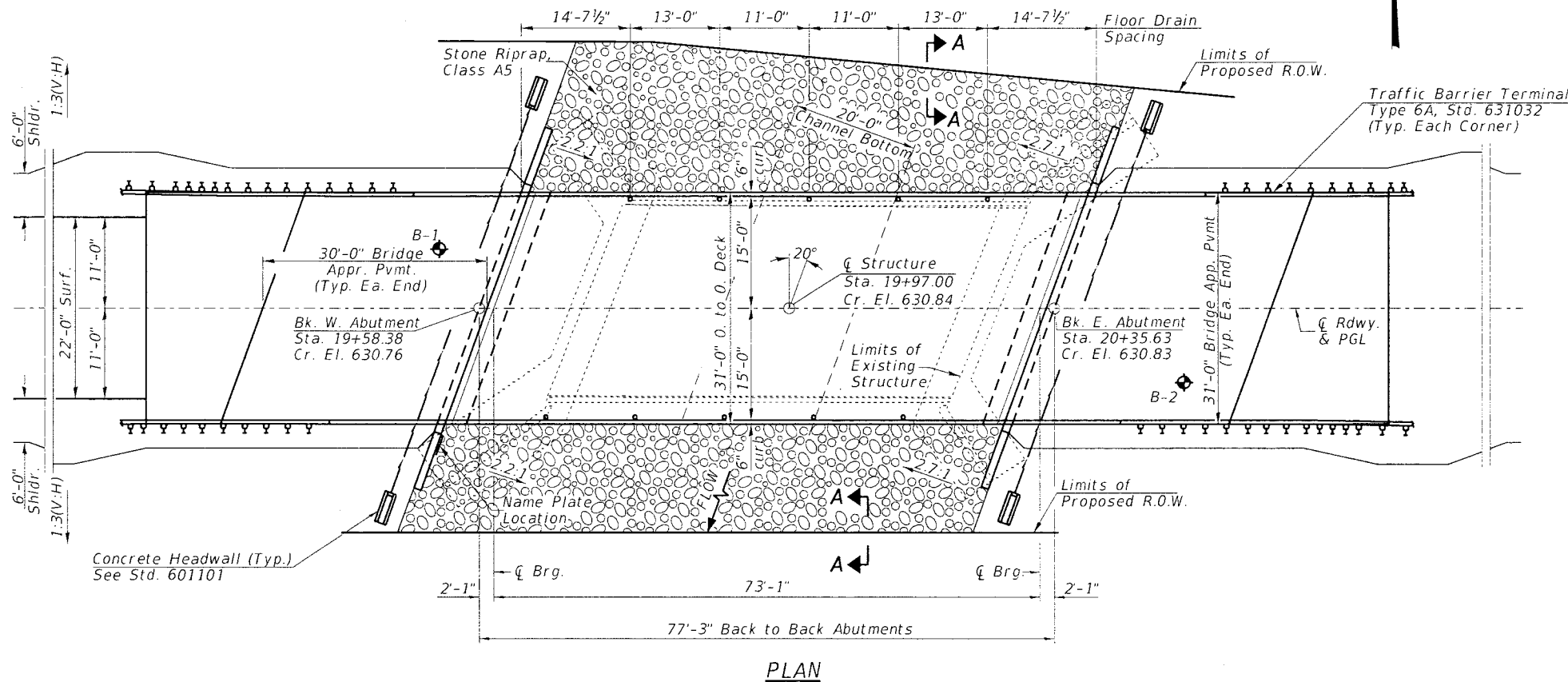
Single span precast prestressed deck beam bridge on concrete closed abutments on concrete footings supported on timber piles. The structure is 54'-0" back to back of abutments, 27'-0" out to out of deck with a 25'-0" drivable width, and is skewed 22° Lt. Ah. The structure was constructed in 1959. Str. No. 050-3052

Salvage: None

Road to be closed to traffic during construction.



**PROFILE GRADE**  
(CH 5)



**PLAN**

**DESIGN SCOUR ELEVATION TABLE**

Design Scour Elevations (ft.)		Item 113
W. Abut.	E. Abut.	
0100	622.7	8
0200	622.7	
Design	622.7	
Check	622.7	

**SEISMIC DATA**

Seismic Performance Zone (SPZ) = 1  
 Design Spectral Acceleration at 1.0 sec. ( $S_{0.1}$ ) = 0.103g  
 Design Spectral Acceleration at 0.2 sec. ( $S_{0.2}$ ) = 0.173g  
 Soil Site Class = D

**WATERWAY INFORMATION**

Drainage Area = 10.48 Sq. Mi.		Low Grade Elev. = 628.24 @ Sta. 25+00.00			
Flood	Freq. Yr.	0 C.F.S.	Opening Sq. Ft.	Nat. Head - Ft.	Headwater El.
Design	20	1,709	335	383	625.04
	100	2,540	353	446	626.01
Base	20	1,709	335	383	625.04
	100	2,540	353	446	626.01

Construction of this project complies with IDNR,  
 Office of Water Resources Statewide Permit No. 2

**LOADING HL-93**

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

**DESIGN SPECIFICATIONS**

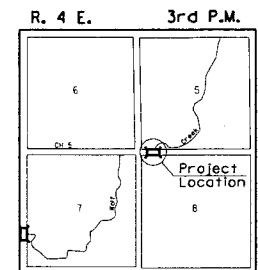
2017 AASHTO LRFD Bridge Design Specifications 8th Edition

**DESIGN STRESSES**

(FIELD UNITS)  
 $f'_c$  = 5,000 p.s.i. (Superstructure)  
 $f'_c$  = 3,500 p.s.i. (Substructure)  
 $f_y$  = 60,000 p.s.i. (Rein.)

(PRECAST PRESTRESSED UNITS)

$f'_c$  = 6,000 p.s.i.  
 $f'_c$  = 5,000 p.s.i.  
 $f'_s$  = 270,000 p.s.i. ( $\frac{1}{2}$ " Strands)  
 $f'_{si}$  = 201,960 p.s.i. ( $\frac{1}{2}$ " Strands)



**LOCATION SKETCH**

**INDEX OF SHEETS**

SHEET #'s	DESCRIPTION
1	General Plan & Elevation
2	Bill of Material, Details and General Notes
3-4	Top of Slab Elevations
5-6	Top of Approach Slab Elevations
7	Superstructure
8	Superstructure Details
9	Diaphragm Details
10-11	Bridge Approach Slab Details
12	Steel Railing, Type SM
13	Framing Plan and Details
14	42" PPC I-Beam
15	42" PPC I-Beam Details
16	Abutments
17	Metal Shell Pile Details
18-21	Soil Boring Logs

*(Signature)*  
 Lic. Exp. 11/30/2020

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO Standard Specification for Highway Bridges. This design complies with all requirements of the current AASHTO Guide Specifications for Seismic Design of highway bridges.

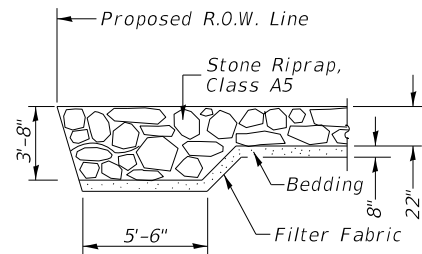
*(Signature)*  
 Illinois Structural No. 6527  
 Expires 11/30/2020

**GENERAL PLAN AND ELEVATION**

DESIGNED	S.T.M.
CHECKED	Z.L./B.A.N.
DRAWN	S.T.M.
CHECKED	Z.L./B.A.N.

Hutchison Engineering, Inc. JACKSONVILLE-SHOREWOOD-PEORIA-QUAD CITIES	SHEET NO. 1 21 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		1283	09-00657-00-BR	LASALLE	41	8
		S.N. 050-3597		CONTRACT NO. 87727		
		FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT NO. SFG8(697)		



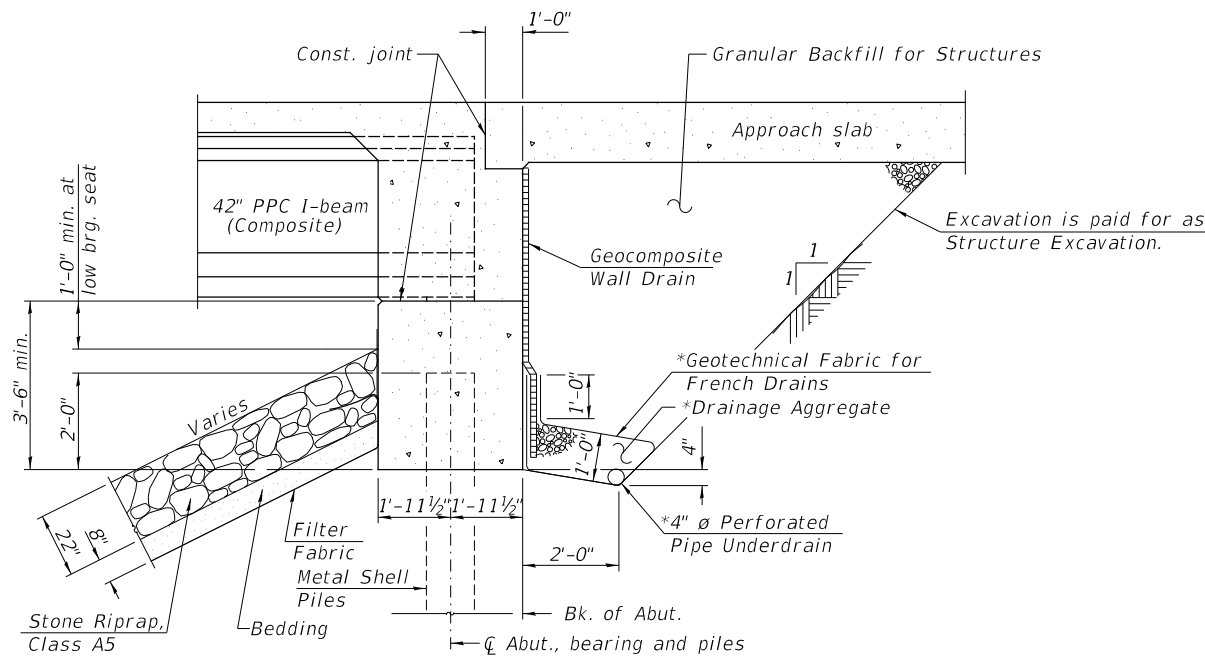


SECTION A-A

WOLF CREEK  
 BUILT 20\_\_ BY  
 LASALLE COUNTY  
 SEC. 09-00657-00-BR  
 C.H. 5 STATION 19+97.00  
 F.A. PROJ. NO. SFG8(697)  
 STR. NO. 050-3597 LOADING HL-93

NAME PLATE

Locate Name Plate on S.W. Wingwall  
 Corner of Bridge (See Std. 515001)



SECTION THRU INTEGRAL ABUTMENT

(Horiz. Dimensions @ Rt. L's)

\*Included in the cost of Pipe Underdrains for Structures 4".  
 (See Special Provisions)

Note:  
 All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into \*concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

GENERAL NOTES

The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.

If the Contractor elects to use cantilever forming brackets on the exterior beams, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

Reinforcement bars designated (E) shall be epoxy coated. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the engineer.

Protective Coat shall be applied to the top of the deck, approach pavement, and face and top of curbs.

Bridge Deck Grooving is figured 1'-0" from curb face. It shall be applied to the bridge deck and the approach pavements.

Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.

Partial removal of the existing footing at east abutment of existing structure will likely be required due to interference with proposed piles. Cost included in Removal of Existing Structures. See Sheets 28 thru 30 of 40 for existing structure plans.

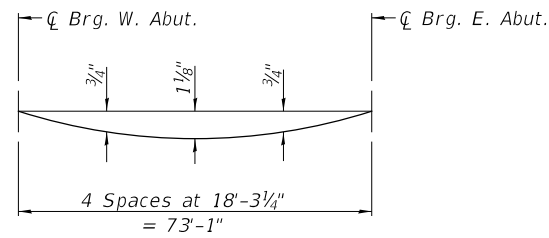
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	CU YD	—	210	210
Stone Riprap, Class A5	SQ YD	—	880	880
① Filter Fabric	SQ YD	—	880	880
① Removal of Existing Structures	EACH	—	—	1
Structure Excavation	CU YD	—	215	215
Floor Drains	EACH	10	—	10
Concrete Structures	CU YD	—	63.3	63.3
① Concrete Superstructure	CU YD	94.5	—	94.5
Bridge Deck Grooving	SQ YD	420	—	420
Protective Coat	SQ YD	475	—	475
① Concrete Superstructure (Approach Slab)	CU YD	87.9	—	87.9
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 42"	FOOT	372	—	372
Reinforcement Bars, Epoxy Coated	POUND	54,770	7,900	62,670
Steel Railing, Type SM	FOOT	211	—	211
Furnishing Metal Shell Piles 14"x0.312"	FOOT	—	336	336
Driving Piles	FOOT	—	336	336
Test Pile Metal Shells	EACH	—	2	2
Name Plates	EACH	—	1	1
Granular Backfill For Structures	CU YD	—	125	125
Geocomposite Wall Drain	SQ YD	—	70	70
① Pipe Underdrains for Structures, 4"	FOOT	—	140	140

① See Special Provisions

BILL OF MATERIAL, DETAILS,  
 AND GENERAL NOTES

SHEET NO. 2 21 SHEETS	F.A.S. RTE. 1283	SECTION 09-00657-00-BR	COUNTY LASALLE	TOTAL SHEETS 41	SHEET NO. 9
S.N. 050-3597			CONTRACT NO. 87727		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO. SFG8(697)		

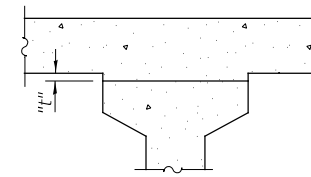


**DEAD LOAD DEFLECTION DIAGRAM**

(Includes weight of slab, fillet, curb, and rail, excluding beams).

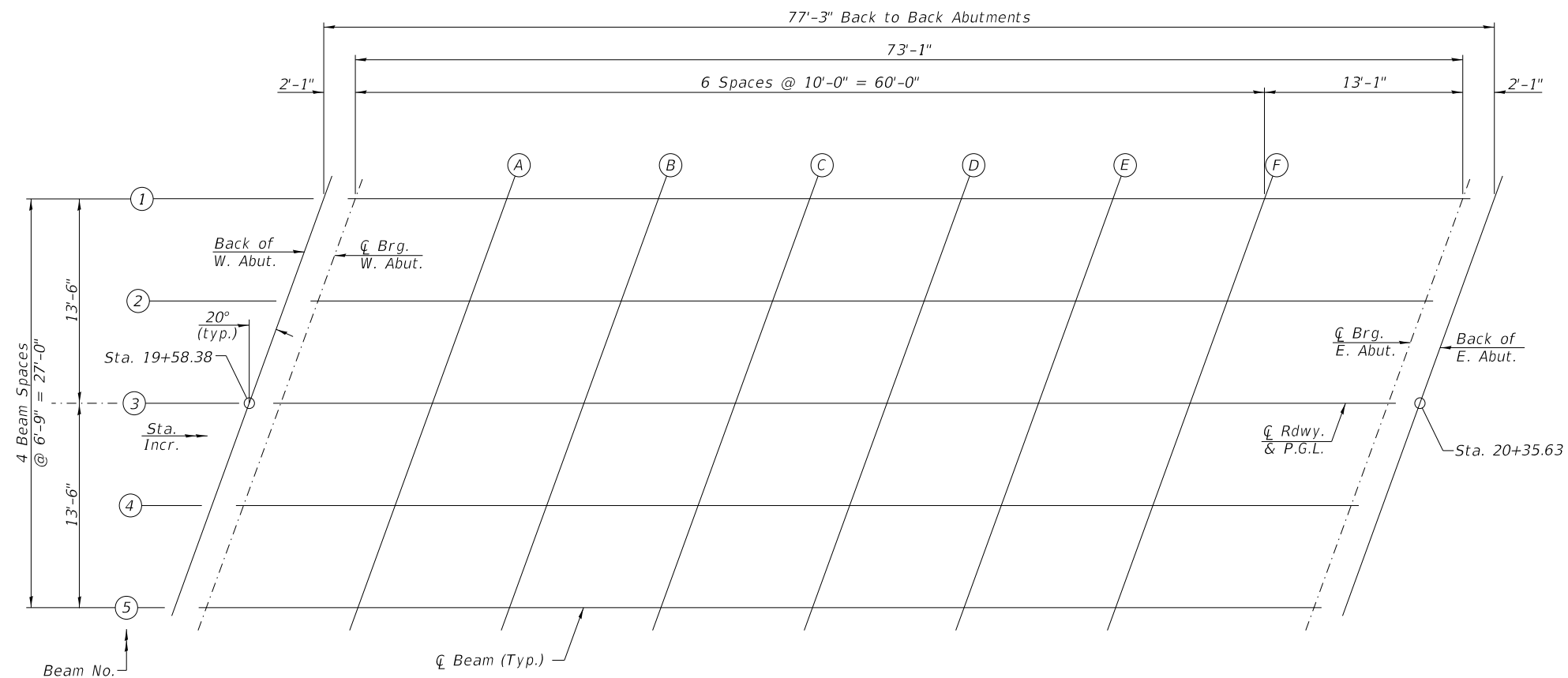
Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on Sheet 4 of 21.



To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" minus slab thickness, equals the fillet heights "t" above top flanges of beams.

**FILLET HEIGHTS**



**PLAN**



**TOP OF SLAB OF ELEVATIONS**

SHEET NO. 3 21 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1283	09-00657-00-BR	LASALLE	41	10
	S.N. 050-3597		CONTRACT NO. 87727		
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT NO. SFG8(697)			

**BEAM #1**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abutment	19+63.29	-13.50	630.55	630.55
CL Brg W. Abut.	19+65.38	-13.50	630.56	630.56
A	19+75.38	-13.50	630.58	630.62
B	19+85.38	-13.50	630.60	630.67
C	19+95.38	-13.50	630.62	630.70
D	20+05.38	-13.50	630.62	630.71
E	20+15.38	-13.50	630.62	630.70
F	20+25.38	-13.50	630.62	630.67
CL Brg E. Abut.	20+38.46	-13.50	630.60	630.60
Bk. E. Abutment	20+40.55	-13.50	630.60	630.60

**BEAM #2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abutment	19+60.84	-6.75	630.67	630.67
CL Brg W. Abut.	19+62.92	-6.75	630.67	630.67
A	19+72.92	-6.75	630.70	630.74
B	19+82.92	-6.75	630.72	630.79
C	19+92.92	-6.75	630.73	630.82
D	20+02.92	-6.75	630.74	630.83
E	20+12.92	-6.75	630.74	630.82
F	20+22.92	-6.75	630.74	630.79
CL Brg E. Abut.	20+36.00	-6.75	630.73	630.73
Bk. E. Abutment	20+38.09	-6.75	630.72	630.72

**CL RDWY, PROFILE GRADE LINE, & BEAM #3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abutment	19+58.38	0.00	630.76	630.76
CL Brg W. Abut.	19+60.46	0.00	630.77	630.77
A	19+70.46	0.00	630.80	630.83
B	19+80.46	0.00	630.82	630.89
C	19+90.46	0.00	630.83	630.92
D	20+00.46	0.00	630.84	630.93
E	20+10.46	0.00	630.85	630.92
F	20+20.46	0.00	630.85	630.89
CL Brg E. Abut.	20+33.55	0.00	630.83	630.83
Bk. E. Abutment	20+35.63	0.00	630.83	630.83

**BEAM #4**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abutment	19+55.92	6.75	630.65	630.65
CL Brg W. Abut.	19+58.01	6.75	630.66	630.66
A	19+68.01	6.75	630.69	630.72
B	19+78.01	6.75	630.71	630.78
C	19+88.01	6.75	630.72	630.81
D	19+98.01	6.75	630.74	630.82
E	20+08.01	6.75	630.74	630.82
F	20+18.01	6.75	630.74	630.79
CL Brg E. Abut.	20+31.09	6.75	630.73	630.73
Bk. E. Abutment	20+33.17	6.75	630.73	630.73

**BEAM #5**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. W. Abutment	19+53.47	13.50	630.52	630.52
CL Brg W. Abut.	19+55.55	13.50	630.53	630.53
A	19+65.55	13.50	630.56	630.60
B	19+75.55	13.50	630.58	630.65
C	19+85.55	13.50	630.60	630.69
D	19+95.55	13.50	630.62	630.70
E	20+05.55	13.50	630.62	630.70
F	20+15.55	13.50	630.62	630.67
CL Brg E. Abut.	20+28.63	13.50	630.62	630.62
Bk. E. Abutment	20+30.72	13.50	630.61	630.61

**TOP OF SLAB OF ELEVATIONS**

SHEET NO. 4 21 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1283	09-00657-00-BR	LASALLE	41	11
	S.N. 050-3597		CONTRACT NO. 87727		
	FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT NO. SFG8(697)		

**NORTH EDGE OF APPROACH SLAB**

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	19+35.08	-15.50	630.41
A	19+45.08	-15.50	630.45
B	19+55.08	-15.50	630.49
E. End of W. Appr. Slab	19+65.08	-15.50	630.52

**NORTH EDGE OF PAVEMENT**

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	19+33.44	-11.00	630.50
A	19+43.44	-11.00	630.54
B	19+53.44	-11.00	630.58
E. End of W. Appr. Slab	19+63.44	-11.00	630.61

**CL ROADWAY AND PROFILE GRADE LINE**

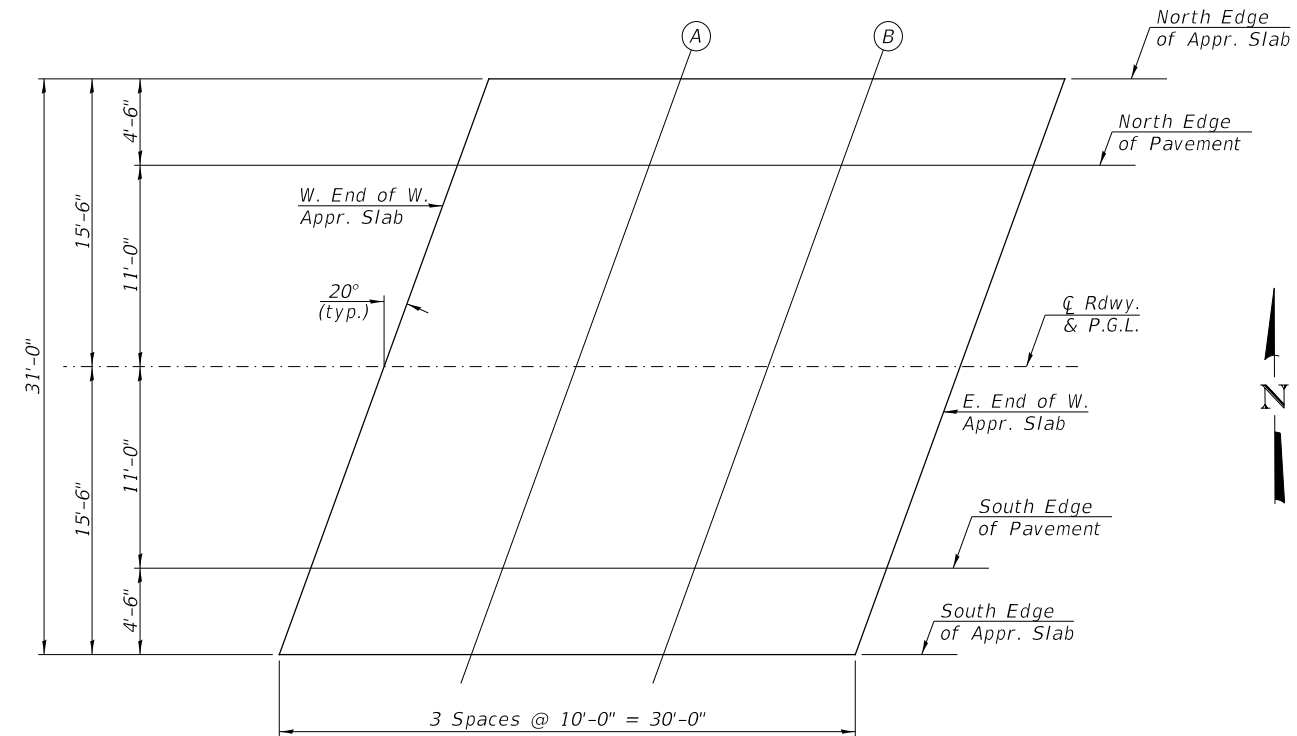
Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	19+29.44	0.00	630.65
A	19+39.44	0.00	630.69
B	19+49.44	0.00	630.73
E. End of W. Appr. Slab	19+59.44	0.00	630.77

**SOUTH EDGE OF PAVEMENT**

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	19+25.44	11.00	630.46
A	19+35.44	11.00	630.51
B	19+45.44	11.00	630.55
E. End of W. Appr. Slab	19+55.44	11.00	630.58

**SOUTH EDGE OF APPROACH SLAB**

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Appr. Slab	19+23.80	15.50	630.36
A	19+33.80	15.50	630.40
B	19+43.80	15.50	630.45
E. End of W. Appr. Slab	19+53.80	15.50	630.48



**WEST APPROACH PLAN**

**TOP OF WEST APPROACH SLAB ELEVATIONS**

SHEET NO. 5 21 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1283	09-00657-00-BR	LASALLE	41	12
	S.N. 050-3597		CONTRACT NO. 87727		
	FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT NO. SFG8(697)		

**NORTH EDGE OF APPROACH SLAB**

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr. Slab	20+40.20	-15.50	630.56
A	20+50.20	-15.50	630.54
B	20+60.20	-15.50	630.51
E. End of E. Appr. Slab	20+70.20	-15.50	630.48

**NORTH EDGE OF PAVEMENT**

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr. Slab	20+38.57	-11.00	630.66
A	20+48.57	-11.00	630.64
B	20+58.57	-11.00	630.61
E. End of E. Appr. Slab	20+68.57	-11.00	630.58

**CL ROADWAY AND PROFILE GRADE LINE**

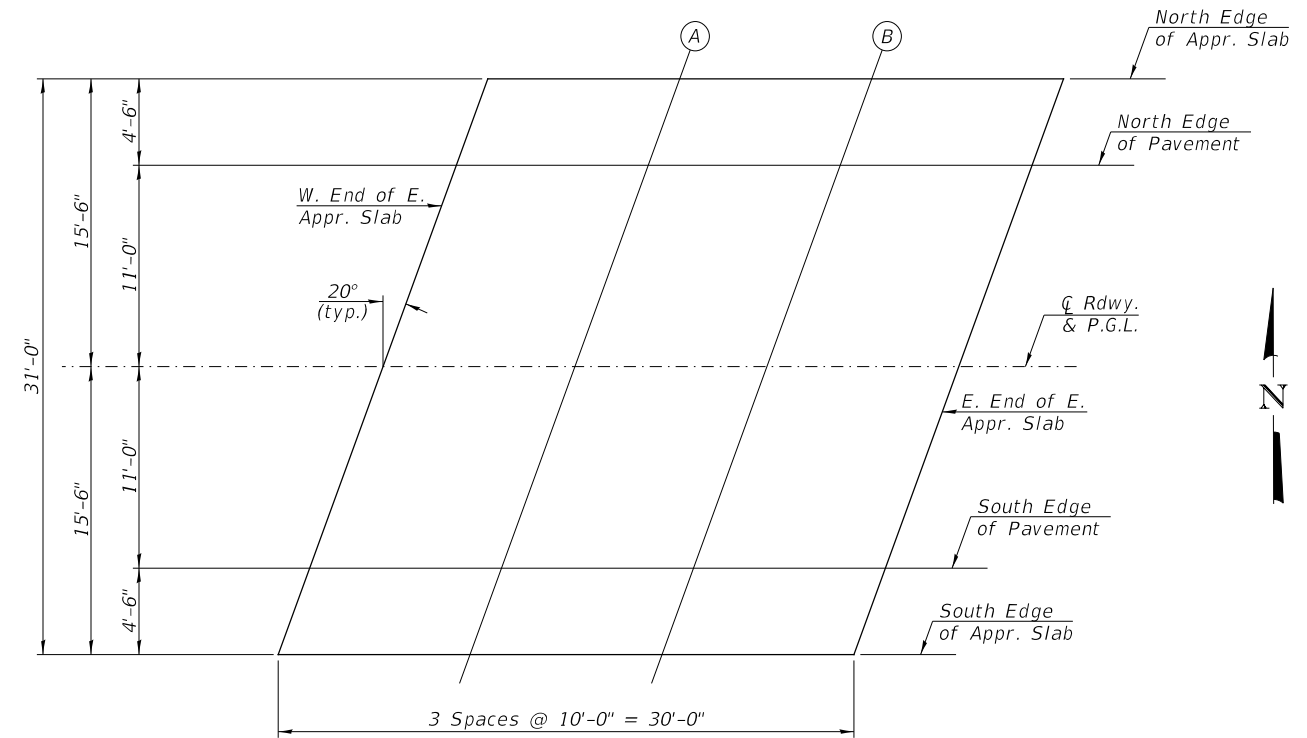
Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr. Slab	20+34.56	0.00	630.83
A	20+44.56	0.00	630.82
B	20+54.56	0.00	630.80
E. End of E. Appr. Slab	20+64.56	0.00	630.77

**SOUTH EDGE OF PAVEMENT**

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr. Slab	20+30.56	11.00	630.67
A	20+40.56	11.00	630.65
B	20+50.56	11.00	630.63
E. End of E. Appr. Slab	20+60.56	11.00	630.61

**SOUTH EDGE OF APPROACH SLAB**

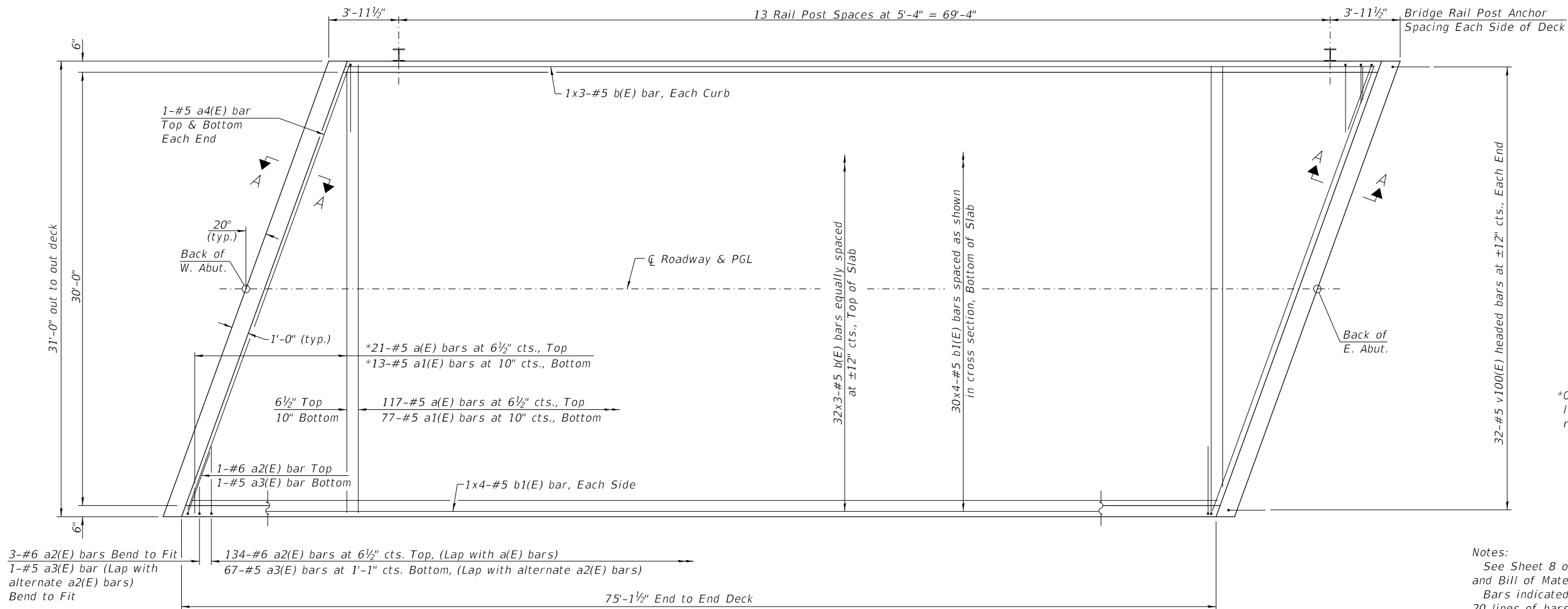
Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Appr. Slab	20+28.92	15.50	630.57
A	20+38.92	15.50	630.56
B	20+48.92	15.50	630.54
E. End of E. Appr. Slab	20+58.92	15.50	630.52



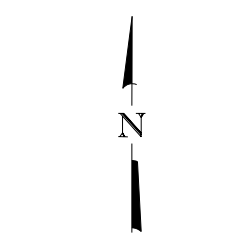
**EAST APPROACH PLAN**

**TOP OF EAST APPROACH SLAB ELEVATIONS**

SHEET NO. 6 21 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1283	09-00657-00-BR	LASALLE	41	13
	S.N. 050-3597		CONTRACT NO. 87727		
	FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT NO. SFG8(697)		



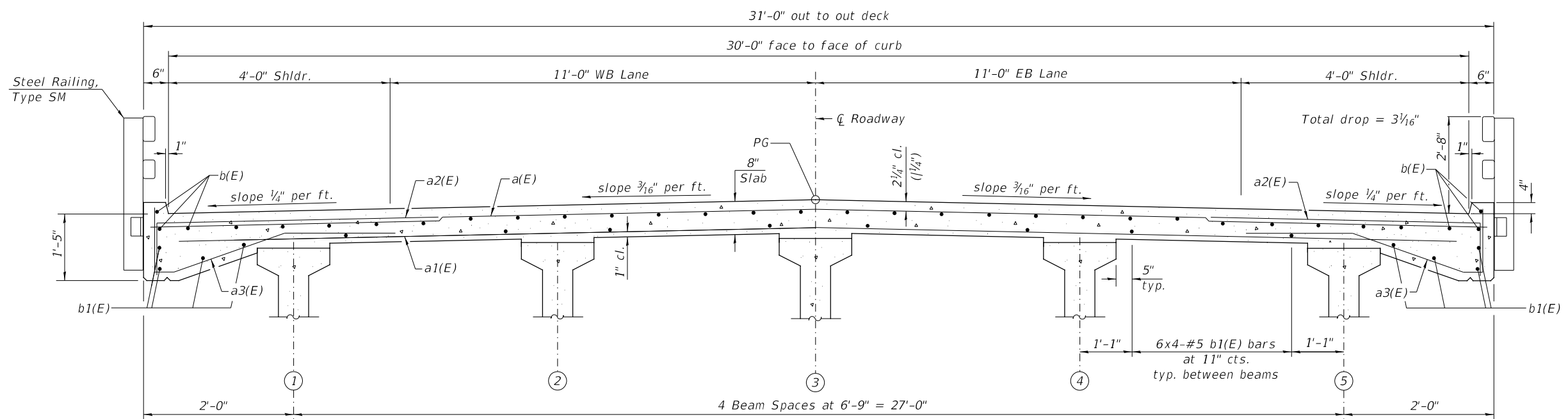
**PLAN**



**MIN. BAR LAP**  
#5 = 3'-6"

\*Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

Notes:  
See Sheet 8 of 21 for Superstructure Details and Bill of Material.  
Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.  
See Sheet 9 of 21 for Section A-A & Diaphragm Details.  
See Sheet 12 of 21 for Rail Post Anchor Details.  
See Sheet 8 of 21 for Rail Post Spacing.

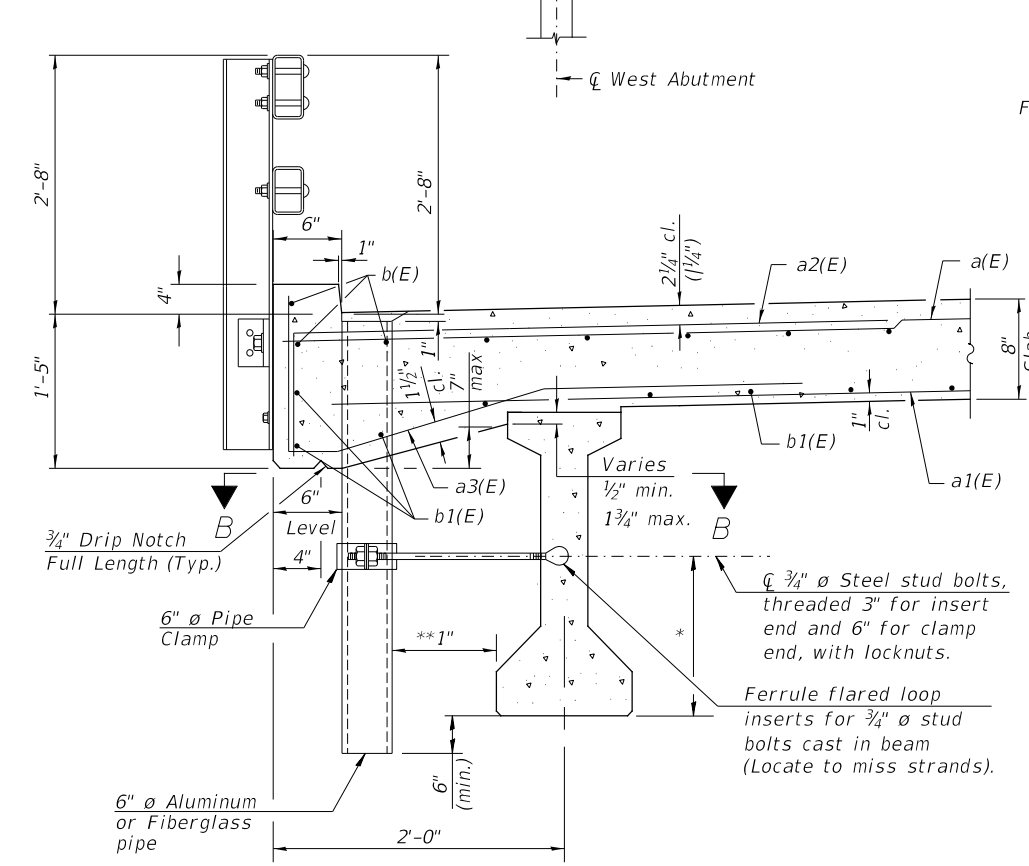
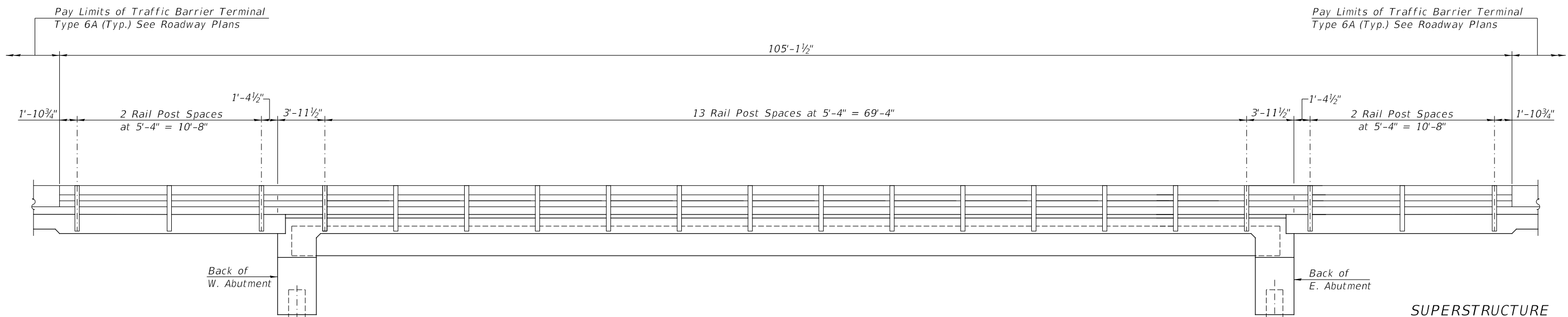


**CROSS SECTION**  
(Looking East)

**SUPERSTRUCTURE**

SHEET NO. 7 21 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1283	09-00657-00-BR	LASALLE	41	14
	S.N. 050-3597		CONTRACT NO. 87727		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO. SFG8(697)		

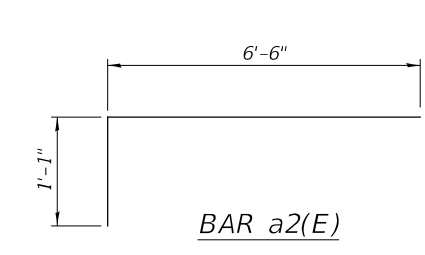
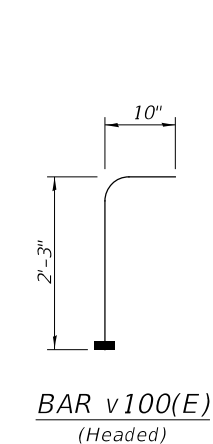
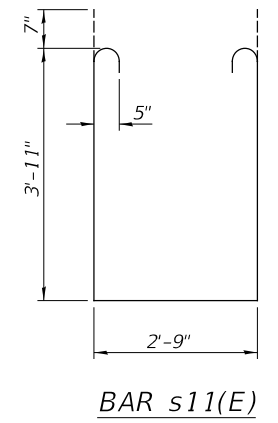
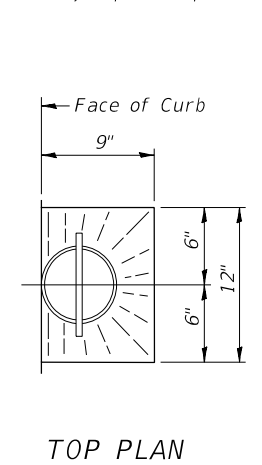
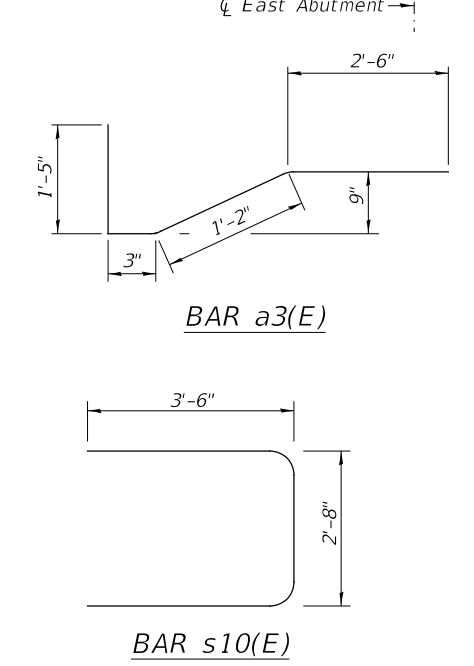
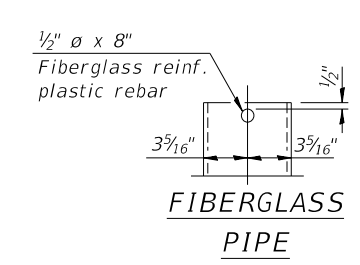
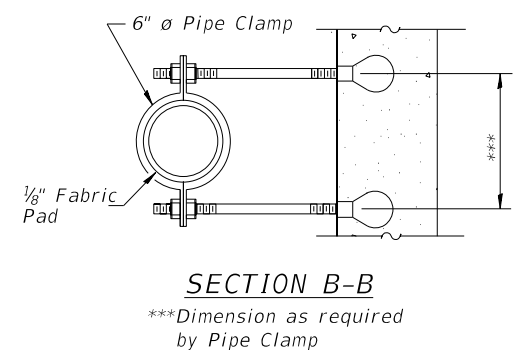
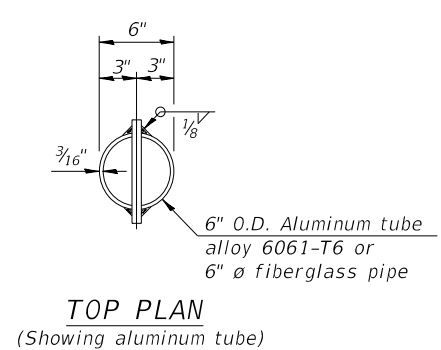
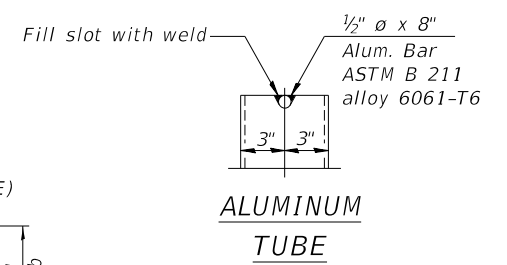
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\* See Sheet 14 of 21 for insert locations.  
 \*\* Tilt Floor Drain as necessary to maintain clearance.

**SECTION THRU DECK OVERHANG**  
 See Sheet 1 of 21 for Floor Drain locations.  
 See Sheet 12 of 21 for Rail Post Anchor Details.

**RAIL POST SPACING**



**SUPERSTRUCTURE BILL OF MATERIAL**

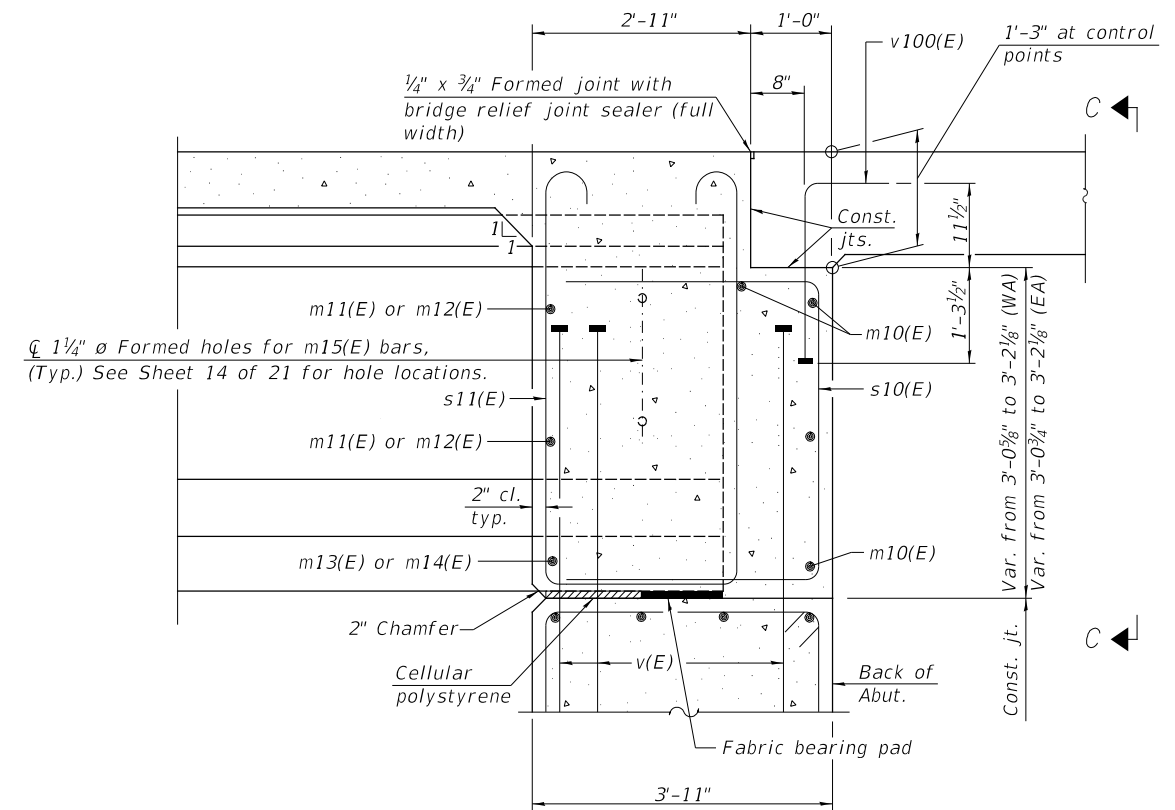
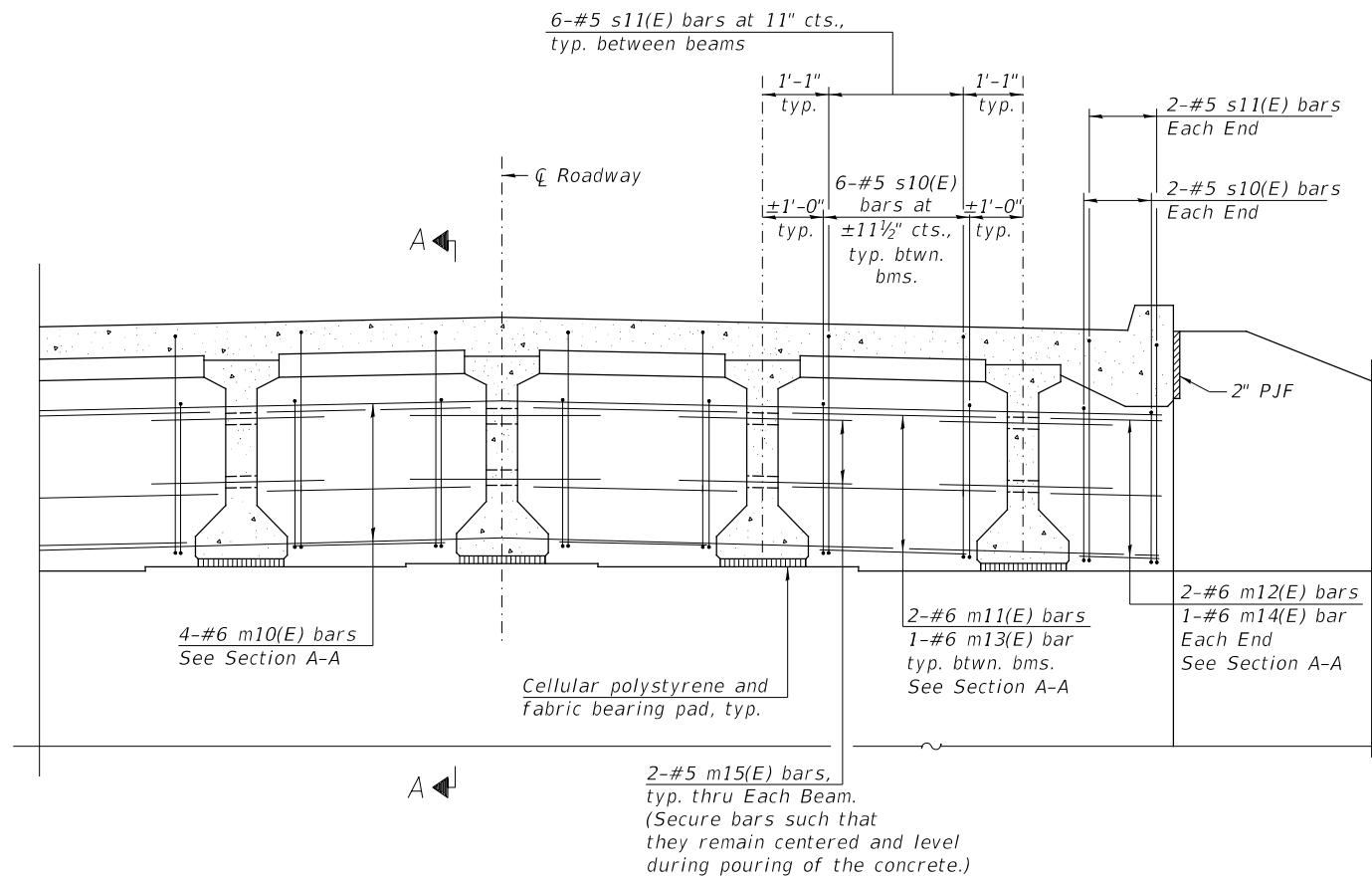
BAR	NO.	SIZE	LENGTH	SHAPE
a(E)	138	#5	30'-9"	—
a1(E)	90	#5	29'-9"	—
a2(E)	276	#6	7'-7"	┌
a3(E)	138	#5	5'-4"	┌
a4(E)	4	#5	32'-7"	—
b(E)	102	#5	27'-4"	—
b1(E)	128	#5	21'-4"	—
m10(E)	8	#6	32'-7"	—
m11(E)	16	#6	6'-3"	—
m12(E)	8	#6	1'-6"	—
m13(E)	8	#6	4'-11"	—
m14(E)	4	#6	0'-10"	—
m15(E)	20	#5	4'-0"	—
s10(E)	56	#5	9'-8"	┌
s11(E)	56	#5	11'-9"	┌
v100(E)	64	#5	3'-1"	┌
Reinforcement Bars, Epoxy Coated		POUND	19,190	
Concrete Superstructure		CU YD	94.5	

① See Special Provisions

**SUPERSTRUCTURE DETAILS**

SHEET NO. 8 21 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1283	09-00657-00-BR	LASALLE	41	15
	S.N. 050-3597		CONTRACT NO. 87727		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO. SFG8(697)		

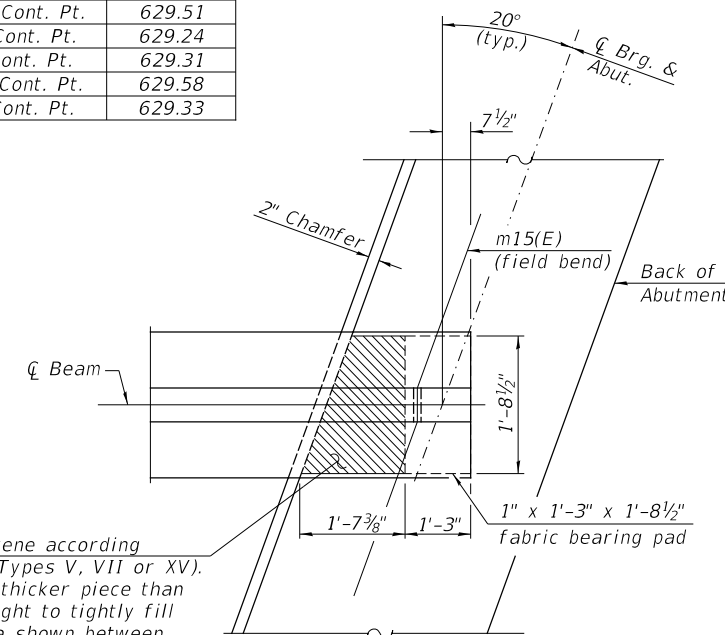
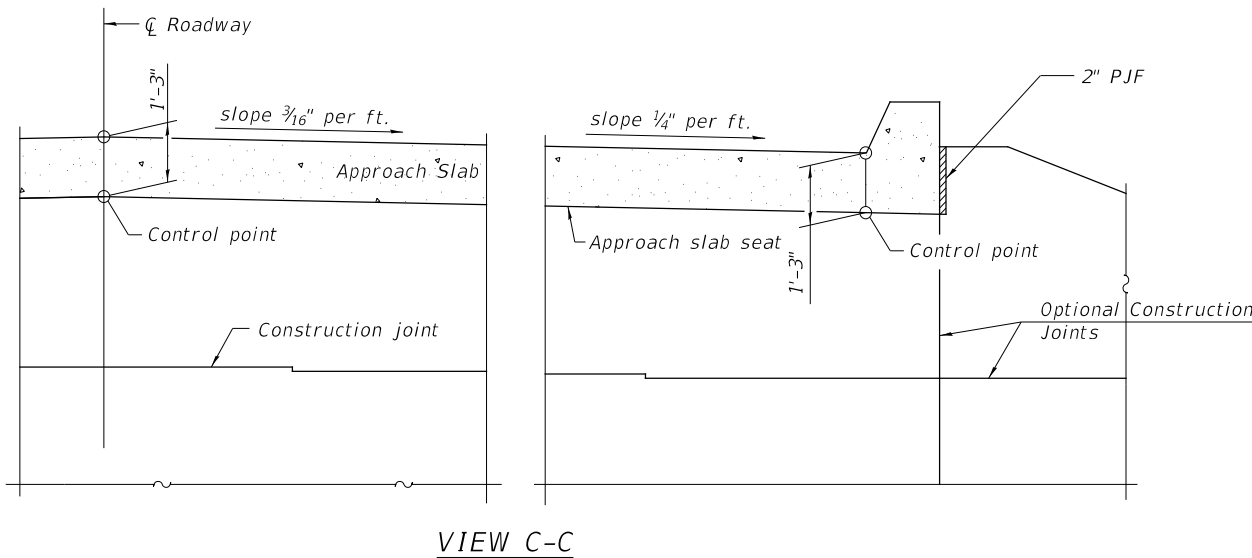
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**DIAPHRAGM AT ABUTMENT**

**CONTROL POINT ELEVATIONS**

LOCATION	ELEVATION
W. Abut. North Cont. Pt.	629.27
W. Abut. Center Cont. Pt.	629.51
W. Abut. South Cont. Pt.	629.24
E. Abut. North Cont. Pt.	629.31
E. Abut. Center Cont. Pt.	629.58
E. Abut. South Cont. Pt.	629.33



**SECTION A-A**  
(At right angles)

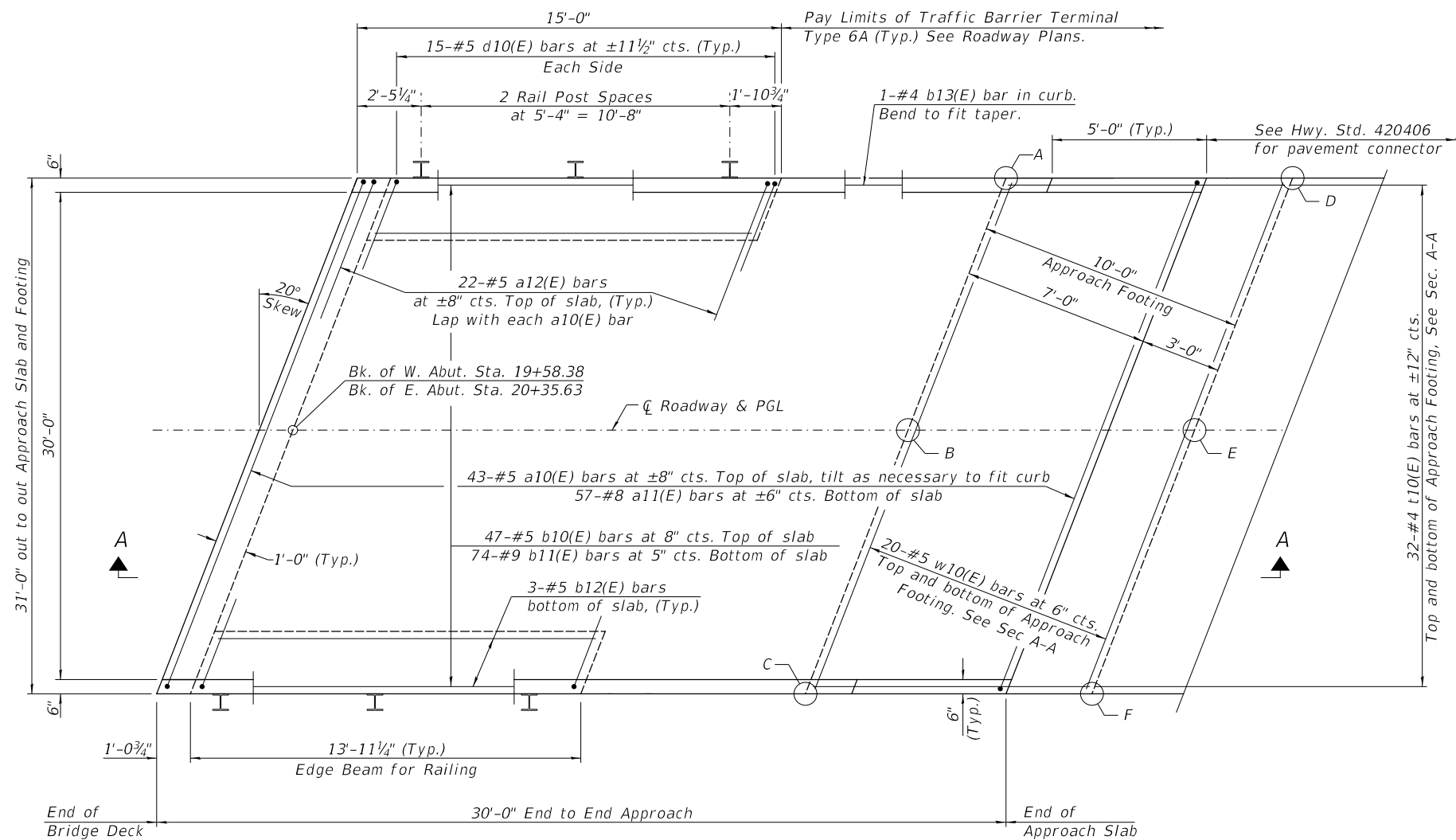
**PLAN AT ABUTMENT**  
(Showing bottom flange of beam)

Notes:  
 See Sheet 8 of 21 for Superstructure Details and Bill of Material.  
 See Sheet 8 of 21 for details of bar s10(E), s11(E), and v100(E).  
 See Sheet 10 of 21 for P.J.F. details.  
 See Sheet 16 of 21 for v(E) bar placement.  
 The s10(E) and s11(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.  
 The approach slab seat shall have a constant slope determined from the control points shown.  
 Cost of cellular polystyrene is included with Concrete Superstructure. Beams shall be braced for stability during erection and remain braced until deck is poured and cured.  
 Reinforcement bars in diaphragm are billed with Superstructure on Sheet 8 of 21.  
 Concrete in diaphragm is included with Concrete Superstructure on Sheet 8 of 21.

**DIAPHRAGM DETAILS**

SHEET NO. 9 21 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1283	09-00657-00-BR	LASALLE	41	16
	S.N. 050-3597		CONTRACT NO. 87727		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO. SFG8(697)		

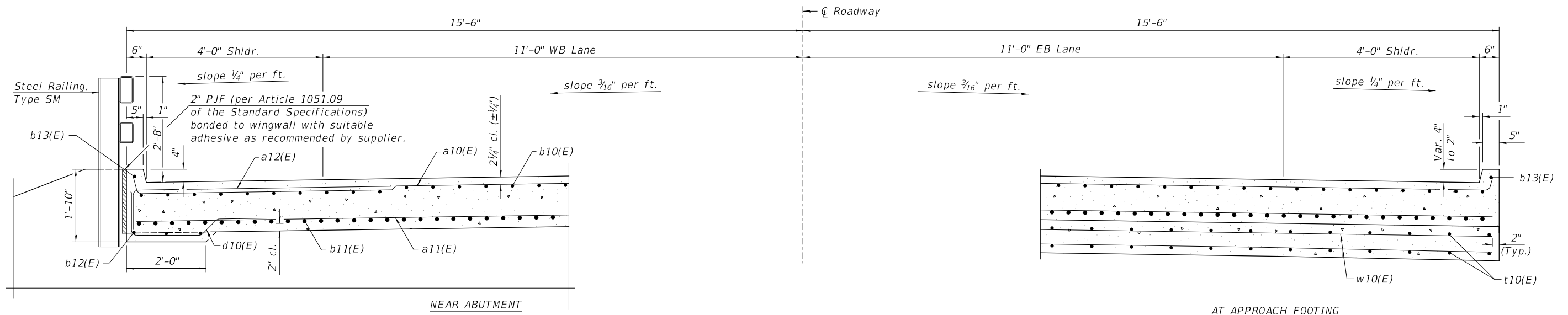
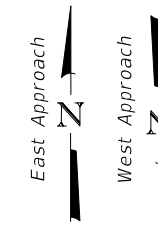




**PLAN**  
(East Approach Shown,  
West Approach Mirrored)

**TOP AND BOTTOM ELEVATIONS  
FOR APPROACH FOOTING**

Point	West Approach		East Approach	
	Top	Bottom	Top	Bottom
A	629.14	628.31	629.25	628.42
B	629.43	628.60	629.54	628.71
C	629.19	628.36	629.28	628.45
D	629.09	628.26	629.22	628.39
E	629.38	628.55	629.51	628.68
F	629.14	628.31	629.25	628.42



**NEAR ABUTMENT**

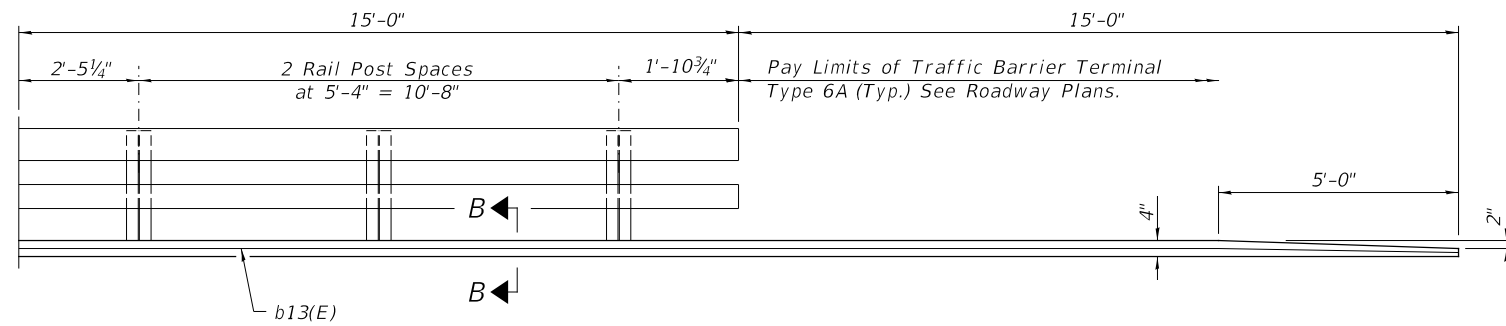
**CROSS SECTION**  
(Looking East)

**AT APPROACH FOOTING**

(Sheet 1 of 2)

**BRIDGE APPROACH SLAB DETAILS**

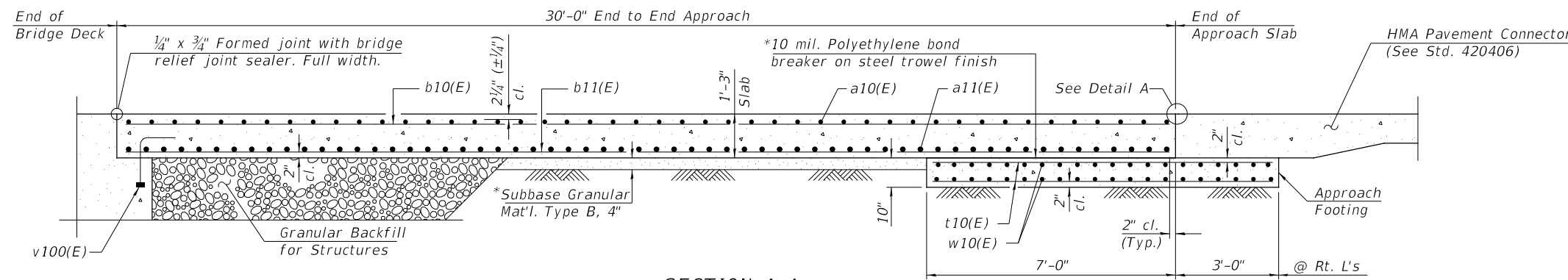
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	1283	09-00657-00-BR	LASALLE	41	17
	S.N. 050-3597		CONTRACT NO. 87727		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO. SFG8(697)		



INSIDE ELEVATION OF RAILING AND CURB

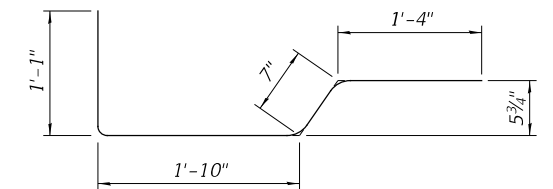
Notes:

Approach slab shall be paid for as Concrete Superstructure (Approach Slab).  
 Approach footing concrete shall be paid for as Concrete Structures.  
 The approach footing maximum applied service bearing pressure (Q<sub>max</sub>) = 2.0 ksf.  
 Cost of excavation for approach footing included with Concrete Structures.  
 For Granular Backfill for Structures and drainage treatment details, see Sheet 2 of 21.  
 For railing details, see Sheet 12 of 21.



SECTION A-A

\* Cost included with Concrete Superstructure (Approach Slab).

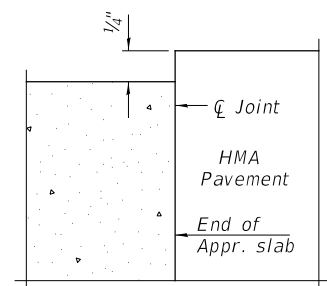


BAR d10(E)

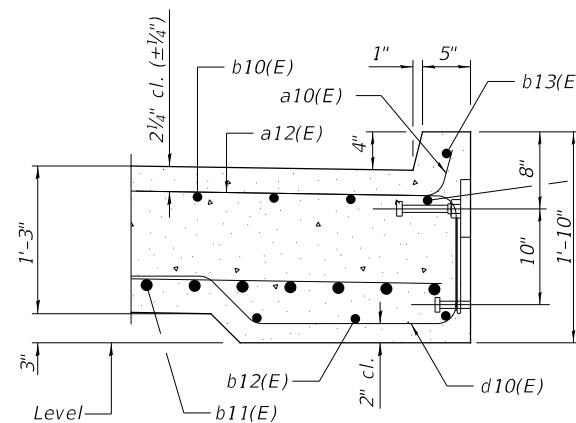
TWO APPROACHES  
 BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a10(E)	86	#5	33'-4"	U
a11(E)	114	#8	32'-7"	—
a12(E)	88	#5	7'-6"	—
b10(E)	94	#5	29'-8"	—
b11(E)	148	#9	29'-8"	—
b12(E)	12	#5	13'-7"	—
b13(E)	4	#4	29'-8"	—
d10(E)	60	#5	4'-10"	U
t10(E)	128	#4	10'-3"	—
w10(E)	80	#5	32'-7"	—
① Concrete Superstructure (Approach Slab)			CU YD	87.9
Concrete Structures			CU YD	20.4
Reinforcement Bars, Epoxy Coated			POUND	35,580

① See Special Provisions

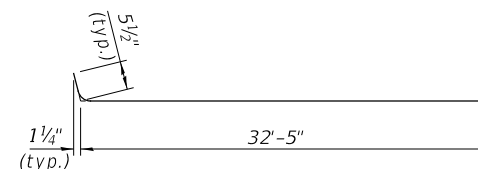


FLEXIBLE PAVEMENT  
 DETAIL A

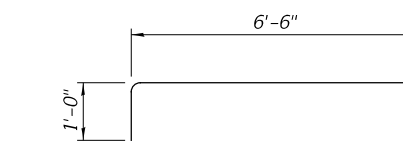


SECTION B-B

Place first b10(E) bar above rail anchorage



BAR a10(E)



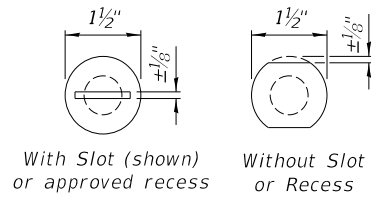
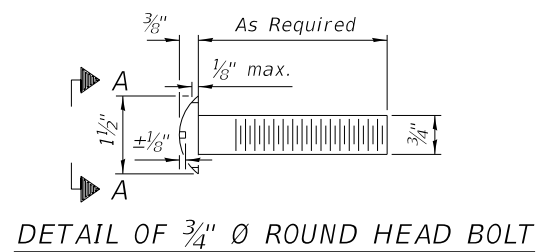
BAR a12(E)

(Sheet 2 of 2)

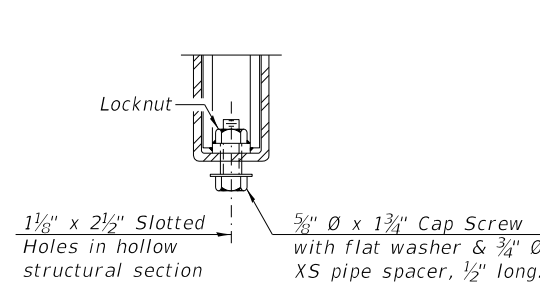
BRIDGE APPROACH SLAB DETAILS

SHEET NO.	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11	1283	09-00657-00-BR	LASALLE	41	18
21 SHEETS		S.N. 050-3597	CONTRACT NO. 87727		
		FED. ROAD DIST. NO. 7 ILLINOIS	FED. AID PROJECT NO. SFG8(697)		

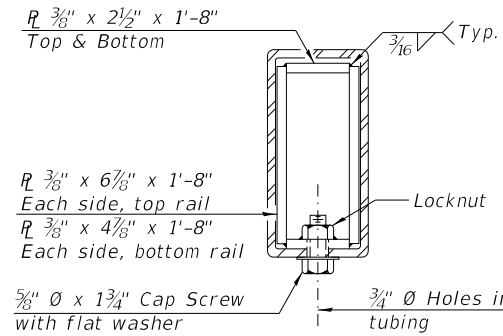
FOR RAIL POST SPACING SEE SHEET #8 OF 21.



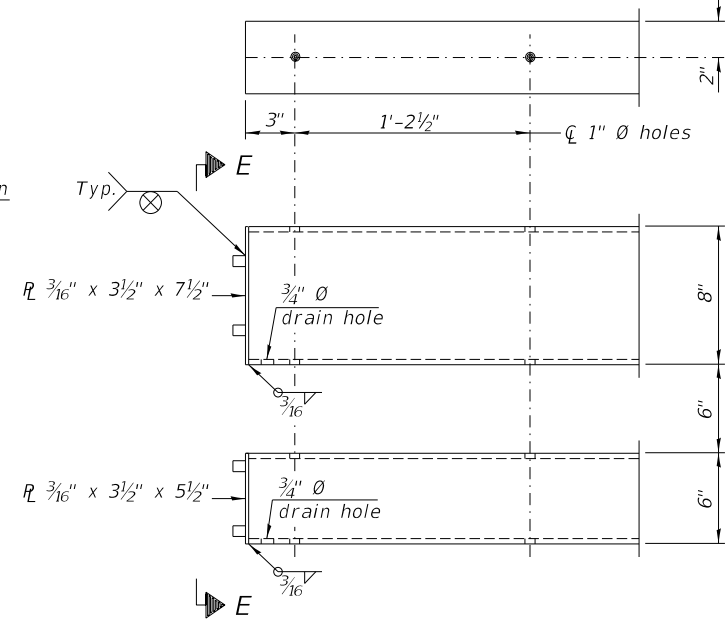
VIEW A-A



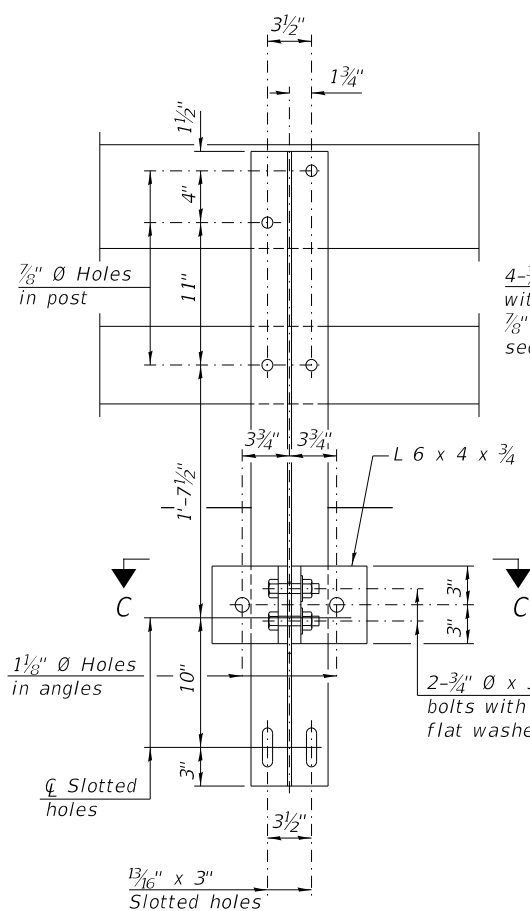
RAIL SPLICE CONNECTION AT EXPANSION JT.



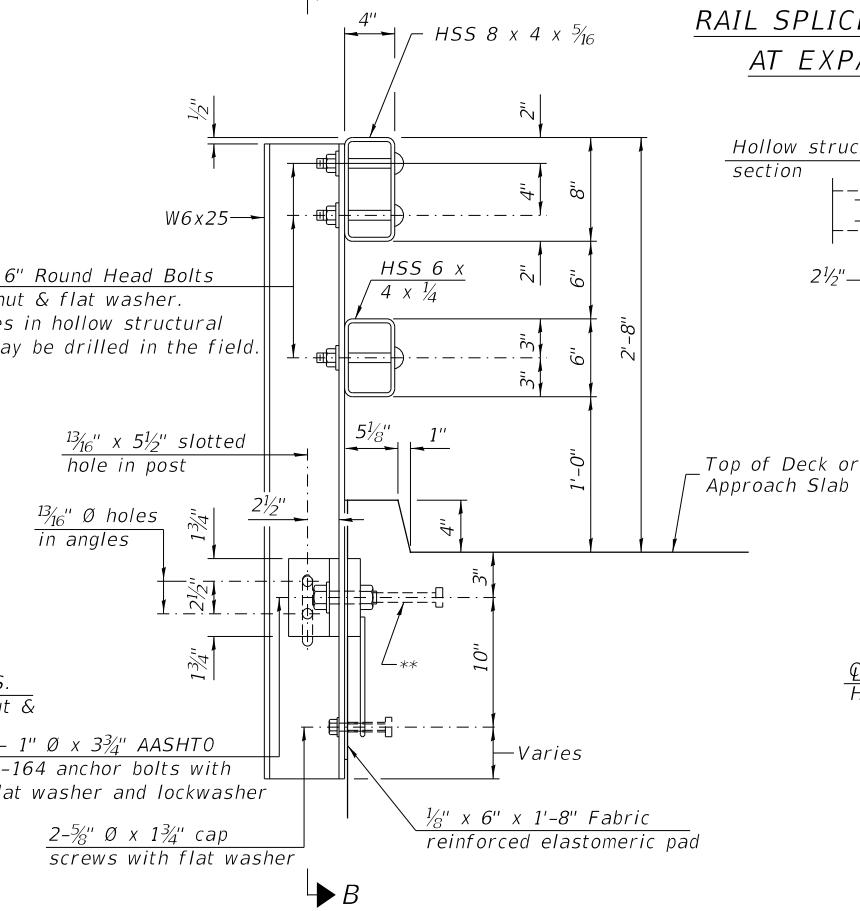
SECTION AT RAIL SPLICE



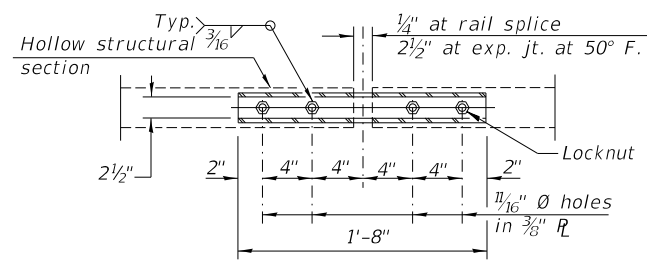
END OF RAIL DETAILS



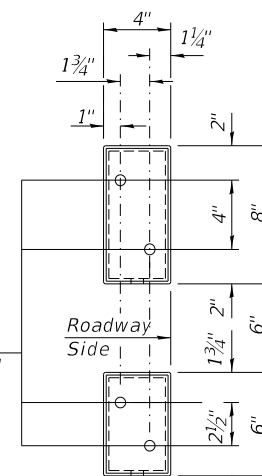
SECTION B-B



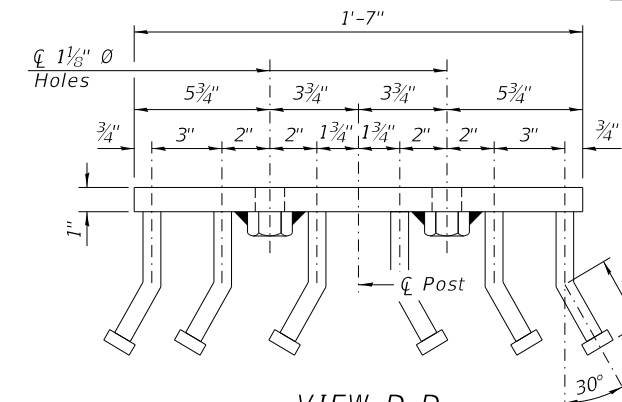
SECTION AT RAIL POST



PLAN-BOTT. SPLICE R TYPICAL

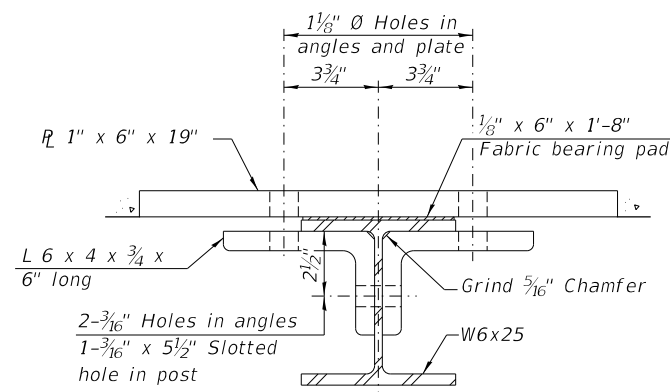


VIEW E-E

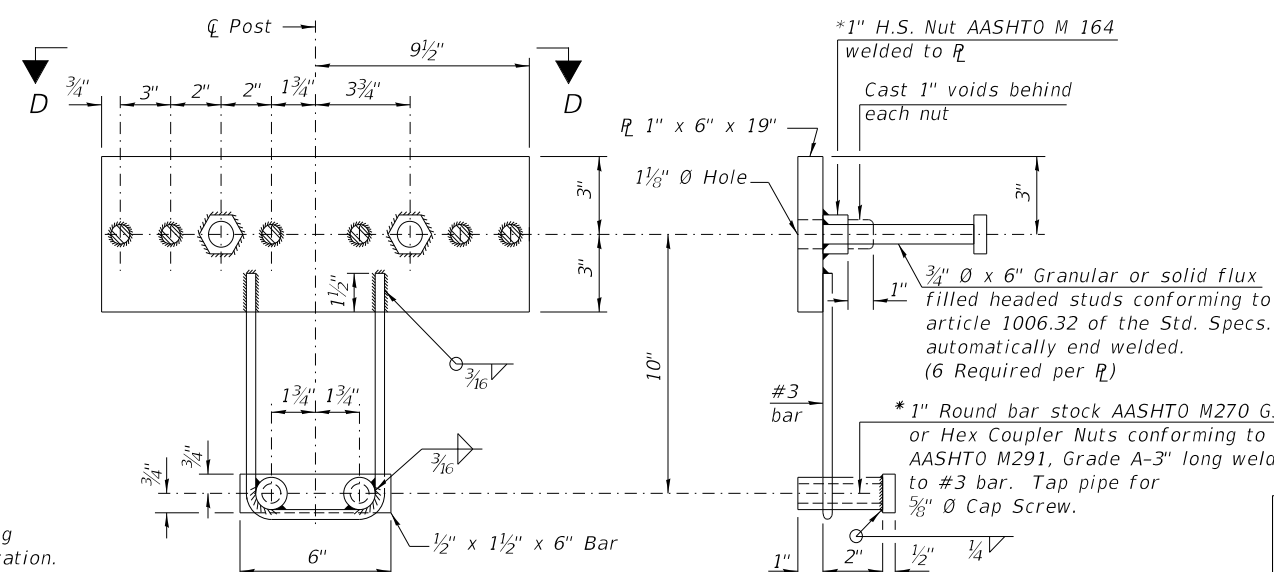


VIEW D-D

Notes:  
 All field drilled holes shall be coated with an approved zinc rich paint before erection.  
 For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.  
 All steel railing elements shall be galvanized according to Article 509.05 of the Standard Specifications.  
 \*\* The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.



SECTION C-C



ANCHOR DEVICE

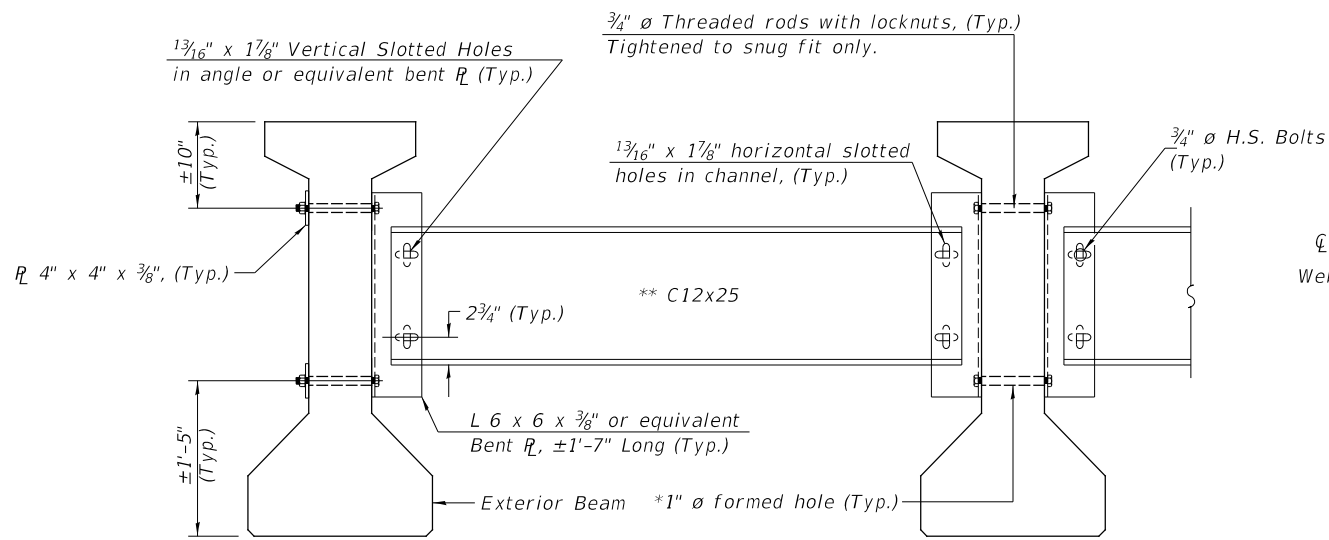
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Steel Railing, Type SM	FOOT	211

STEEL RAILING, TYPE SM

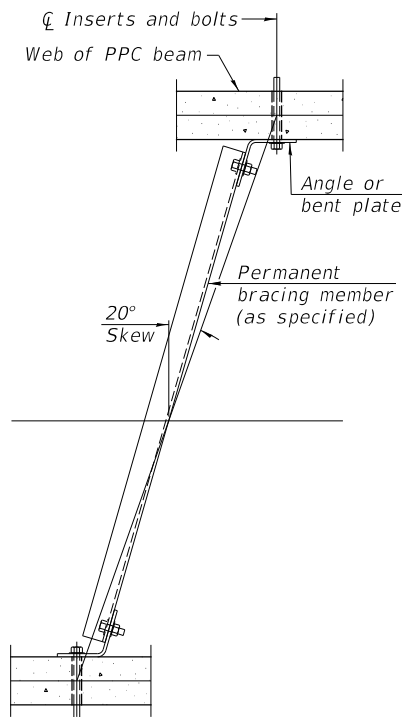
SHEET NO. 12 21 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1283	09-00657-00-BR	LASALLE	41	19
S.N. 050-3597			CONTRACT NO. 87727		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO. SFG8(697)		

\* Threaded areas shall be plugged or blocked off during pouring of deck or appr. slab. Galvanized after fabrication.



Notes:  
 All material for bracing shall be hot dip galvanized according to AASHTO M111 unless otherwise noted.  
 Two hardened washers are required for each set of oversized holes.  
 All holes shall be 1 5/16"  $\phi$  unless otherwise noted.  
 5/16" x 3" x 3" plate washers are required over all slotted holes.  
 All bolts, threaded rods, and hardware shall be galvanized according to AASHTO M232.  
 Threaded rods shall be ASTM F 1554 Grade 55.  
 Bracing shall be installed as beams are erected and tightened as soon as possible during erection.  
 Permanent bracing shall not be paid for separately, but shall be included in the cost of Furnishing and Erecting Precast Prestressed Concrete I-Beams.  
 All structural steel for permanent bracing shall be AASHTO M270 Gr. 50.

- \* Fabricator shall locate to miss strands within permissible tolerances.
- \*\* Alternate C12x30 channels are permitted to facilitate material acquisition.



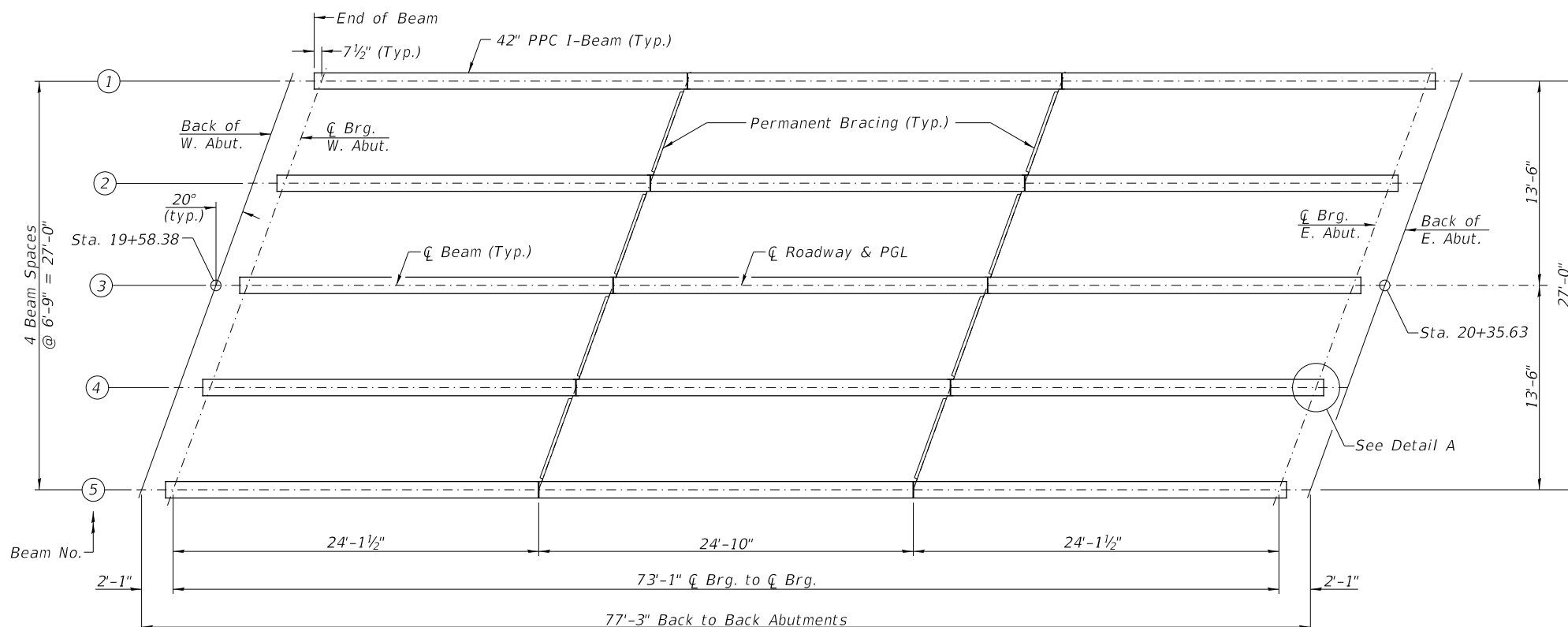
- $I$ : Non-composite moment of inertia of beam section ( $in^4$ ).
- $I'$ : Composite moment of inertia of beam section ( $in^4$ ).
- $S_b$ : Non-composite section modulus for the bottom fiber of the prestressed beam ( $in^3$ ).
- $S_b'$ : Composite section modulus for the bottom fiber of the prestressed beam ( $in^3$ ).
- $S_t$ : Non-composite section modulus for the top fiber of the prestressed beam ( $in^3$ ).
- $S_t'$ : Composite section modulus for the top fiber of the prestressed beam ( $in^3$ ).
- DC1: Un-factored non-composite dead load (kips/ft.).
- MDC1: Un-factored moment due to non-composite dead load (kip-ft.).
- DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
- MDC2: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
- DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
- MDW: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
- $M_L + IM$ : Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

INTERIOR BEAM MOMENT TABLE		
		0.5 Sp. 1
$I$	( $in^4$ )	90,956
$I'$	( $in^4$ )	306,176
$S_b$	( $in^3$ )	5,153
$S_b'$	( $in^3$ )	9,073
$S_t$	( $in^3$ )	3,736
$S_t'$	( $in^3$ )	37,096
DC1	( $k/ft.$ )	1.168
MDC1	( $k$ )	780
DC2	( $k/ft.$ )	0.05
MDC2	( $k$ )	33
DW	( $k/ft.$ )	0.338
MDW	( $k$ )	225
$M_L + IM$	( $k$ )	1,057

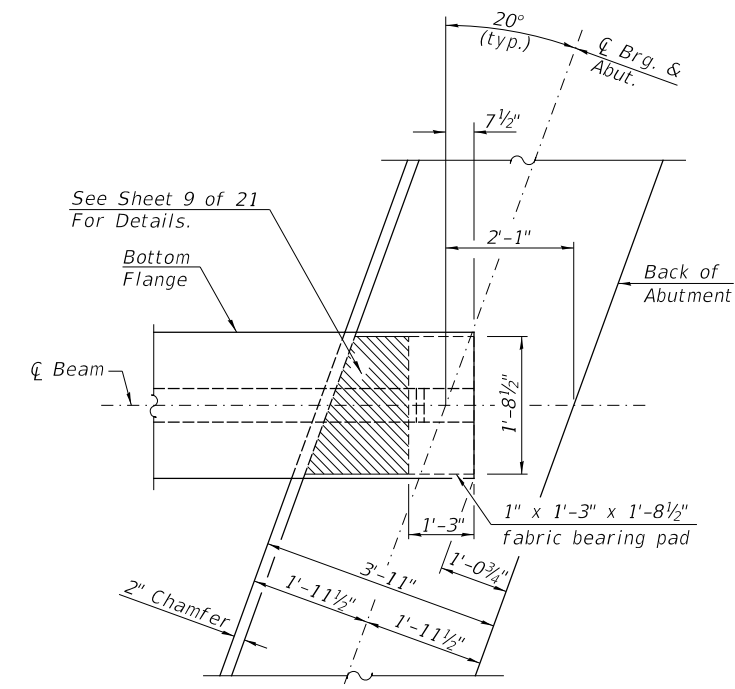
INTERIOR BEAM REACTION TABLE		
		Abut.
RDC1	( $k$ )	42.7
RDC2	( $k$ )	1.8
RDW	( $k$ )	12.3
$R_L + IM$	( $k$ )	83.1
RTotal	( $k$ )	139.9

**PERMANENT BRACING DETAILS**  
(No. Required = 8)

**PERMANENT BRACING PLAN**



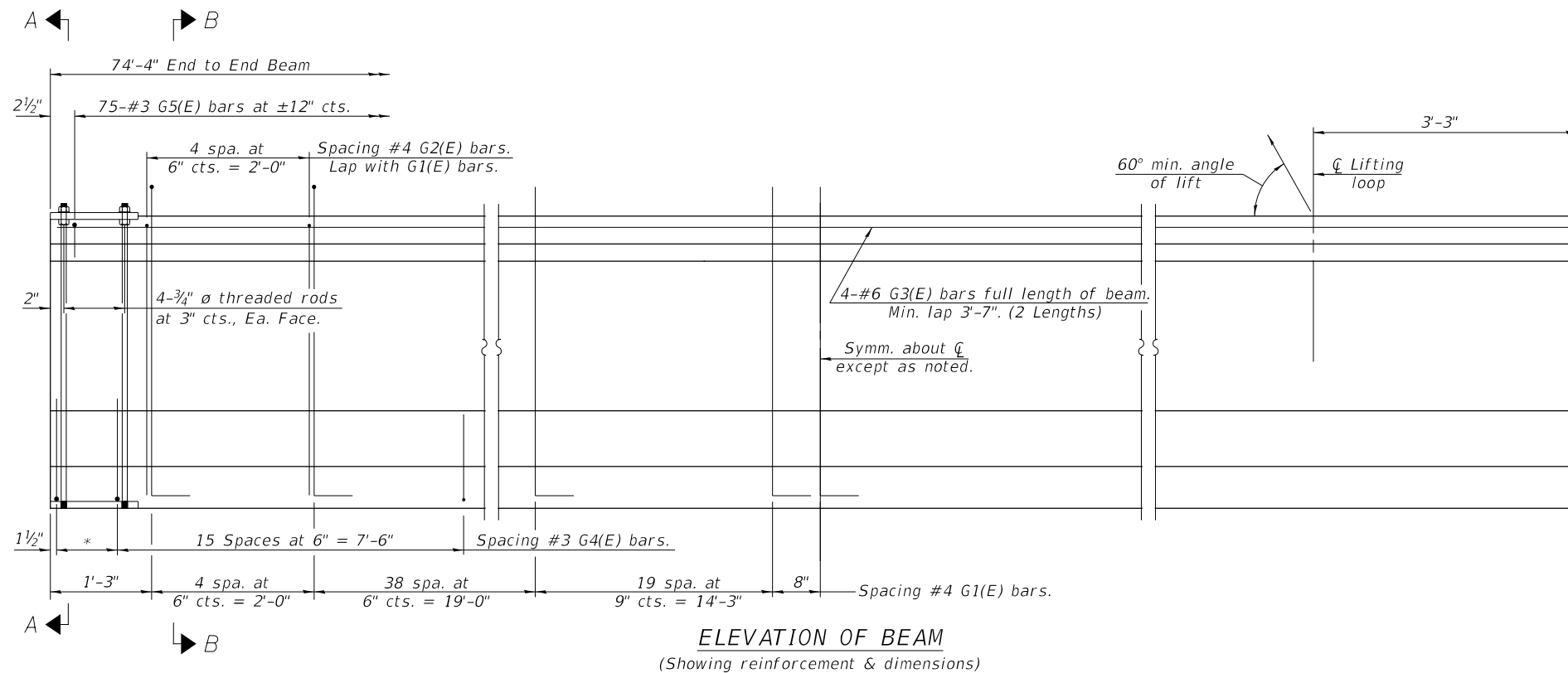
**FRAMING PLAN**



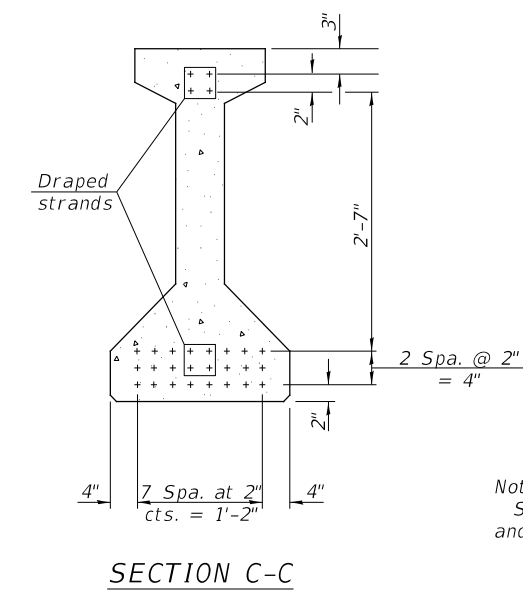
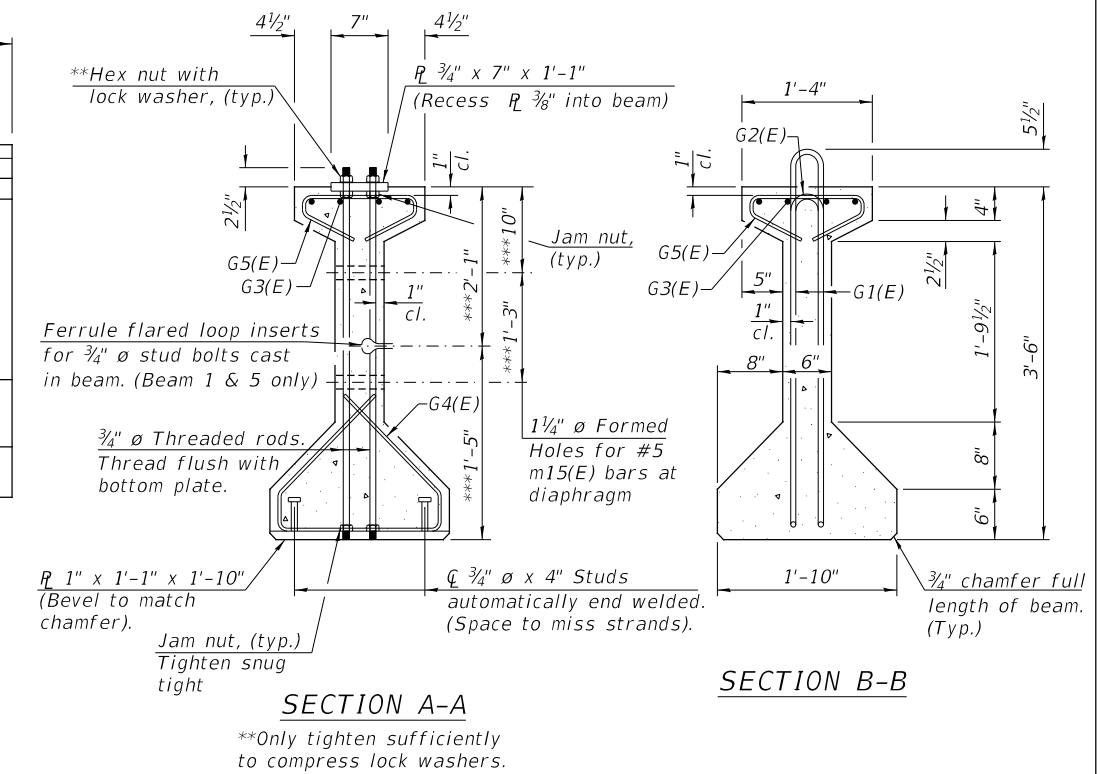
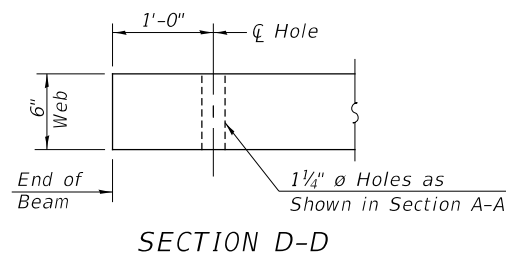
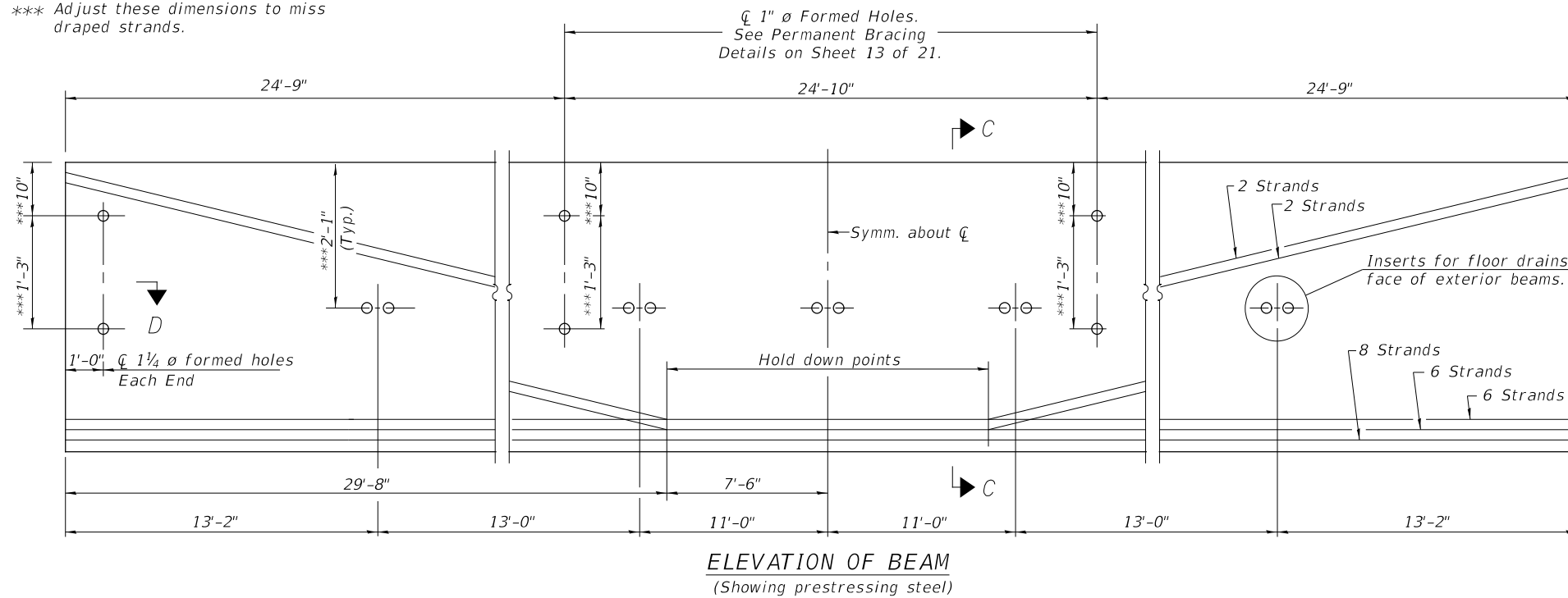
**DETAIL A**  
(Typical at Abutments)

**FRAMING PLAN AND DETAILS**

SHEET NO. 13 21 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1283	09-00657-00-BR	LASALLE	41	20
	S.N. 050-3597		CONTRACT NO. 87727		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO. SFG8(697)		



\* 3 spaces at 3" = 9".  
\*\*\* Adjust these dimensions to miss draped strands.



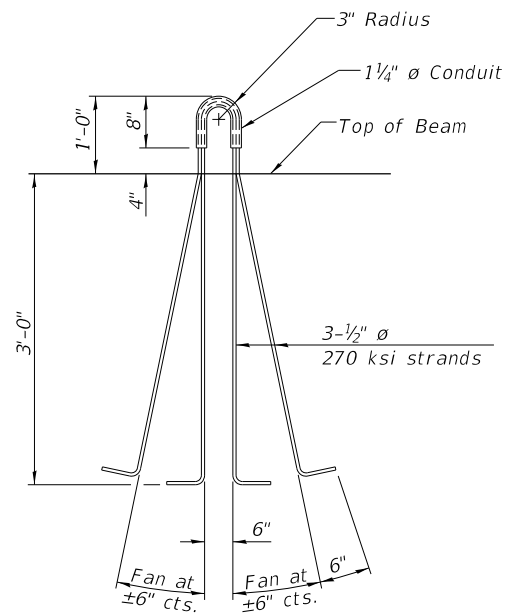
**BAR LIST**  
**ONE BEAM ONLY**  
(For information only)

BAR	NO.	SIZE	LENGTH	SHAPE
G1(E)	125	#4	8'-7"	∩ L
G2(E)	10	#4	6'-8"	∩
G3(E)	8	#6	38'-10"	—
G4(E)	38	#3	4'-11"	∩
G5(E)	75	#3	2'-6"	∩

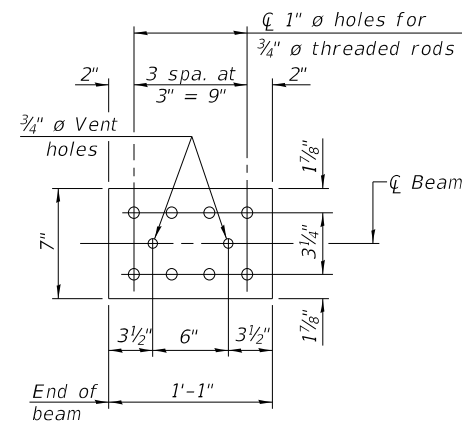
Notes:  
See Sheet 15 of 21 for additional details and Bill of Material.

**42" PPC I-BEAM**

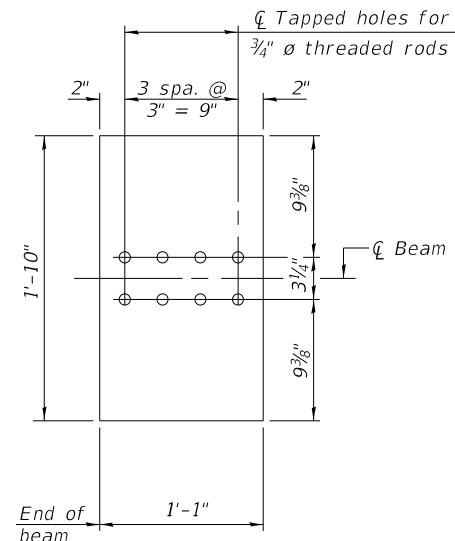
SHEET NO.	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14	1283	09-00657-00-BR	LASALLE	41	21
21 SHEETS		S.N. 050-3597	CONTRACT NO. 87727		
		FED. ROAD DIST. NO. 7 ILLINOIS	FED. AID PROJECT NO. SFG8(697)		



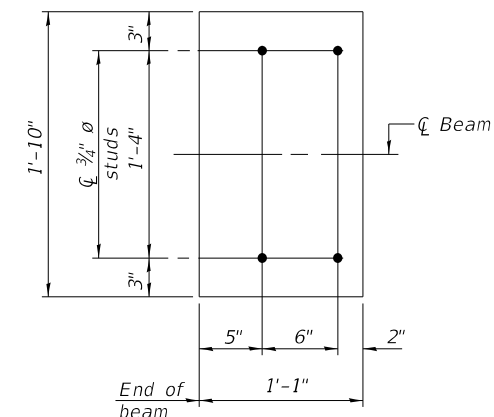
LIFTING LOOP DETAIL



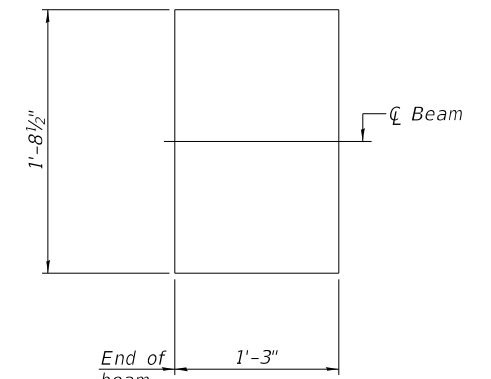
TOP PLATE



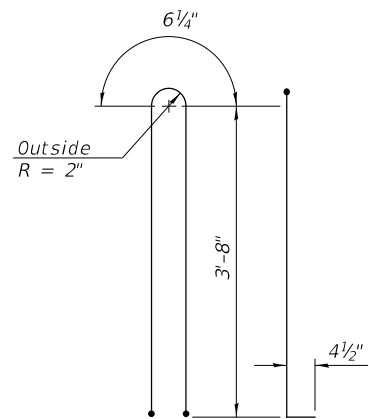
BOTTOM PLATE  
(Showing threaded rods)



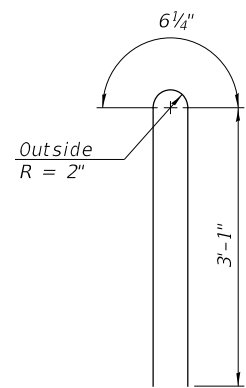
BOTTOM PLATE  
(Showing studs)



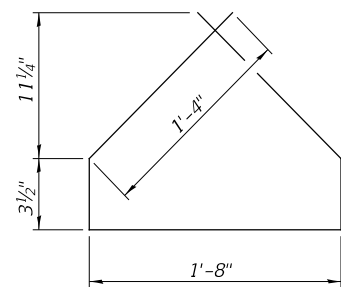
1" FABRIC BEARING PAD



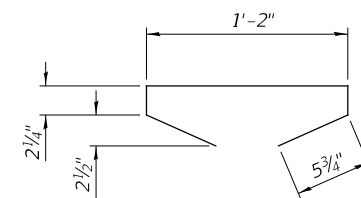
BAR G1(E)



BAR G2(E)



BAR G4(E)



BAR G5(E)

NOTES

Inserts for 3/4"  $\phi$  threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams.  
 Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.  
 The beams shall have a final concrete compressive strength,  $f'c$ , of 6,000 psi and a release concrete compressive strength,  $f'ci$ , 5,000 psi.  
 A minimum 2 1/2"  $\phi$  lifting pin shall be used to engage the lifting loops during handling.  
 The top and bottom plates shall be AASHTO M270 Grade 50.  
 The top and bottom plates shall be galvanized according to AASHTO M111. The threaded rods, nuts, and washers shall be galvanized according to AASHTO M232.  
 Threaded rods shall be ASTM F 1554 Grade 55.

BILL OF MATERIAL

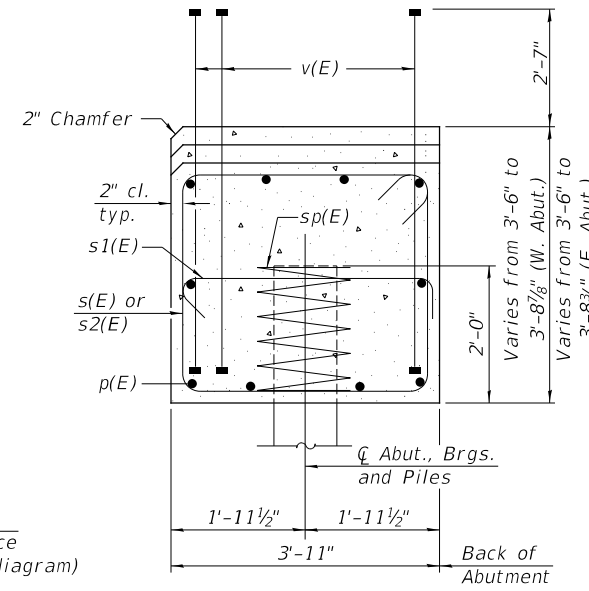
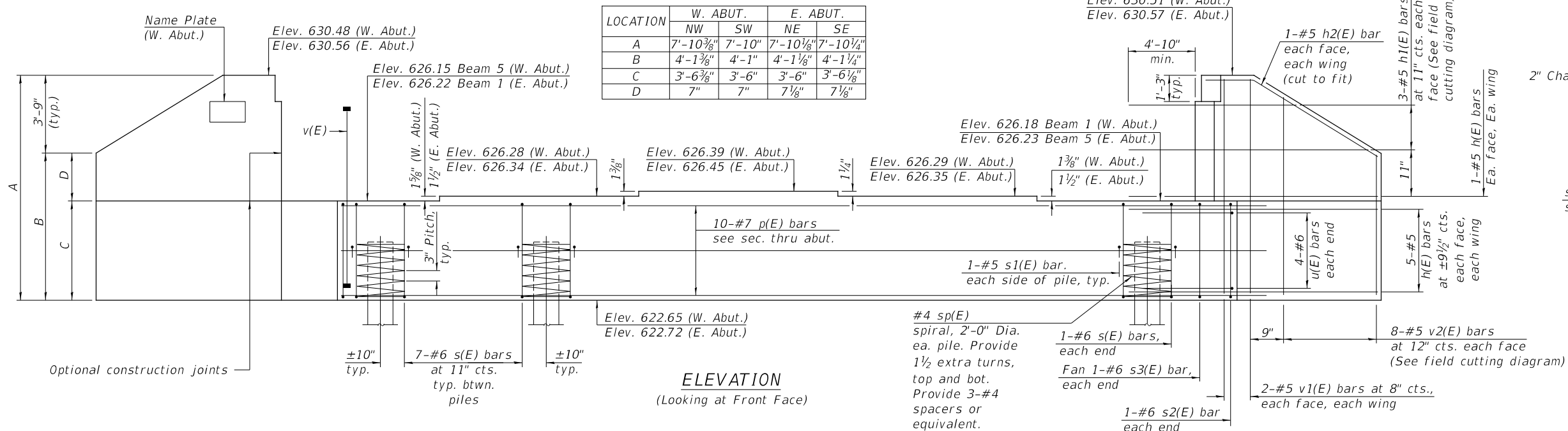
ITEM	UNIT	TOTAL
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 42"	FOOT	372

42" PPC I-BEAM DETAILS

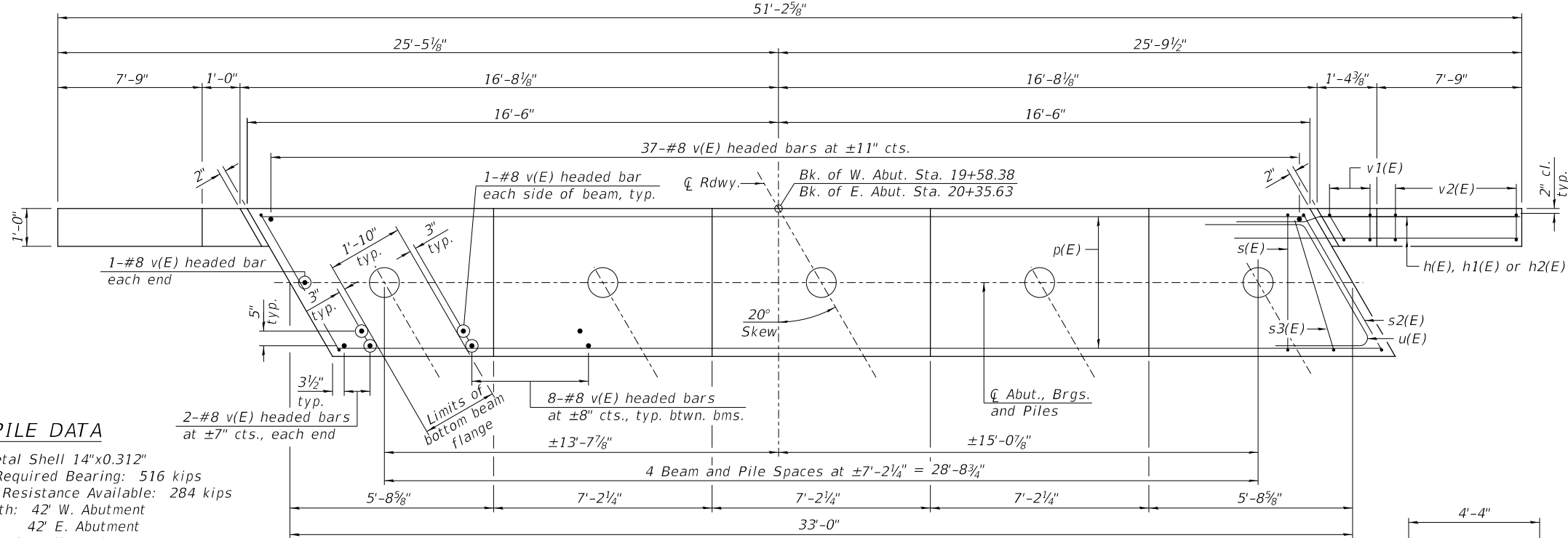
SHEET NO. 15 21 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1283	09-00657-00-BR	LASALLE	41	22
S.N. 050-3597			CONTRACT NO. 87727		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO. SFG8(697)		

**WINGWALL DIMENSIONS**

LOCATION	W. ABUT.		E. ABUT.	
	NW	SW	NE	SE
A	7'-10 3/8"	7'-10"	7'-10 1/8"	7'-10 1/4"
B	4'-1 3/8"	4'-1"	4'-1 1/8"	4'-1 1/4"
C	3'-6 3/8"	3'-6"	3'-6"	3'-6 1/8"
D	7"	7"	7 1/8"	7 1/8"



**SEC. THRU ABUT.**  
(Dimensions at right angles to abutment.)



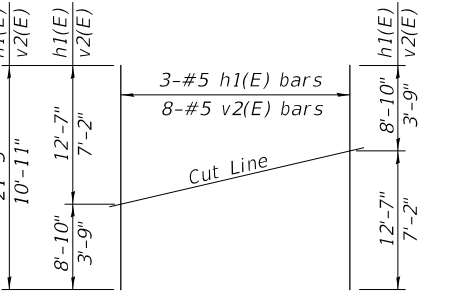
**PILE DATA**

Type: Metal Shell 14"x0.312"  
 Nominal Required Bearing: 516 kips  
 Factored Resistance Available: 284 kips  
 Est. Length: 42' W. Abutment  
 42' E. Abutment  
 No. Production Piles: 8  
 No. Test Piles: 2 (1 Test Pile at Ea. Abut.)

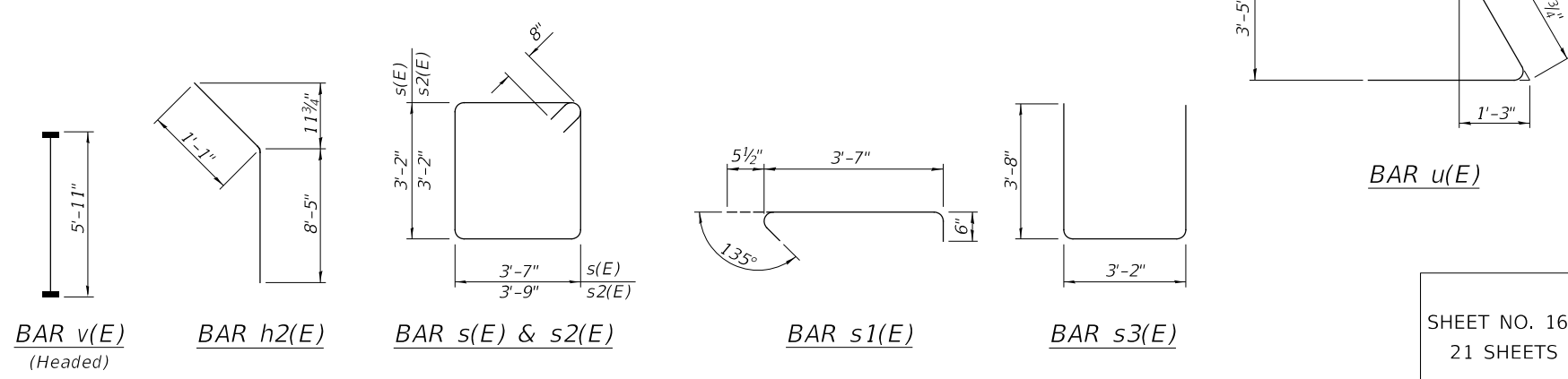
**BILL OF MATERIAL**  
**TWO ABUTMENTS**

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	48	#5	13'-11"	—
h1(E)	12	#5	21'-5"	—
h2(E)	8	#5	9'-6"	—
p(E)	20	#7	32'-8"	—
s(E)	60	#6	14'-10"	□
s1(E)	20	#5	4'-7"	□
s2(E)	4	#6	15'-2"	□
s3(E)	4	#6	10'-6"	□
sp(E)	10	#4	*2'-0"	≡
u(E)	16	#6	12'-4"	⌒
v(E)	170	#8	5'-11"	—
v1(E)	16	#5	7'-6"	—
v2(E)	32	#5	10'-11"	—
Structure Excavation		CU YD	215	
Concrete Structures		CU YD	42.9	
Reinforcement Bars, Epoxy Coated		POUND	7,900	
Furnishing Metal Shell Piles 14"x0.312"		FOOT	336	
Driving Piles		FOOT	336	
Test Pile Metal Shells		EACH	2	
Name Plates		EACH	1	

\*Length is height of spiral.  
 Notes:  
 All edges shall have standard 3/4" chamfer, unless noted otherwise.  
 Pour steps monolithically with cap.  
 Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.  
 For Details of Piles see Sheet 17 of 21.

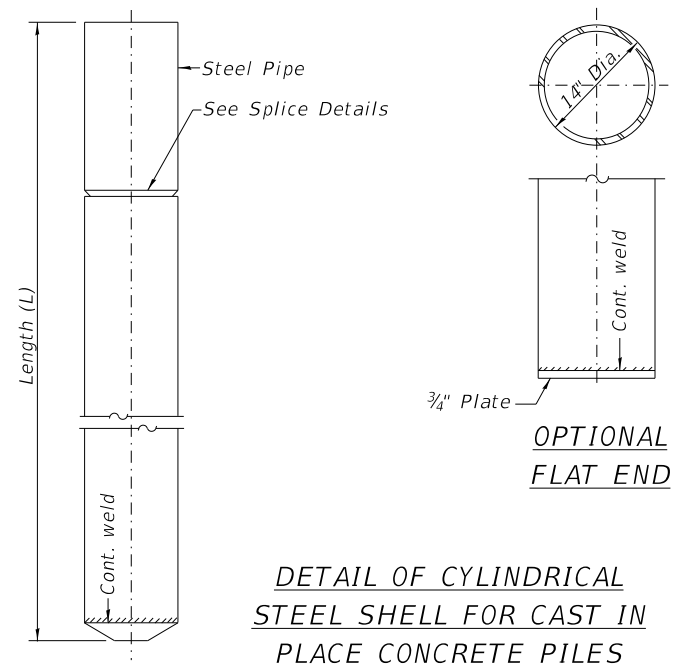


Order h1(E) and v2(E) full length. Cut as shown and use remainder of bars in opposite face.

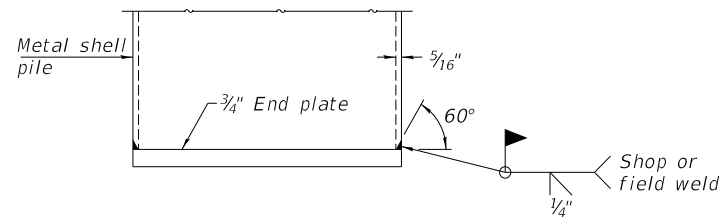


SHEET NO. 16 21 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1283	09-00657-00-BR	LASALLE	41	23
	S.N. 050-3597		CONTRACT NO. 87727		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO. SFG8(697)		

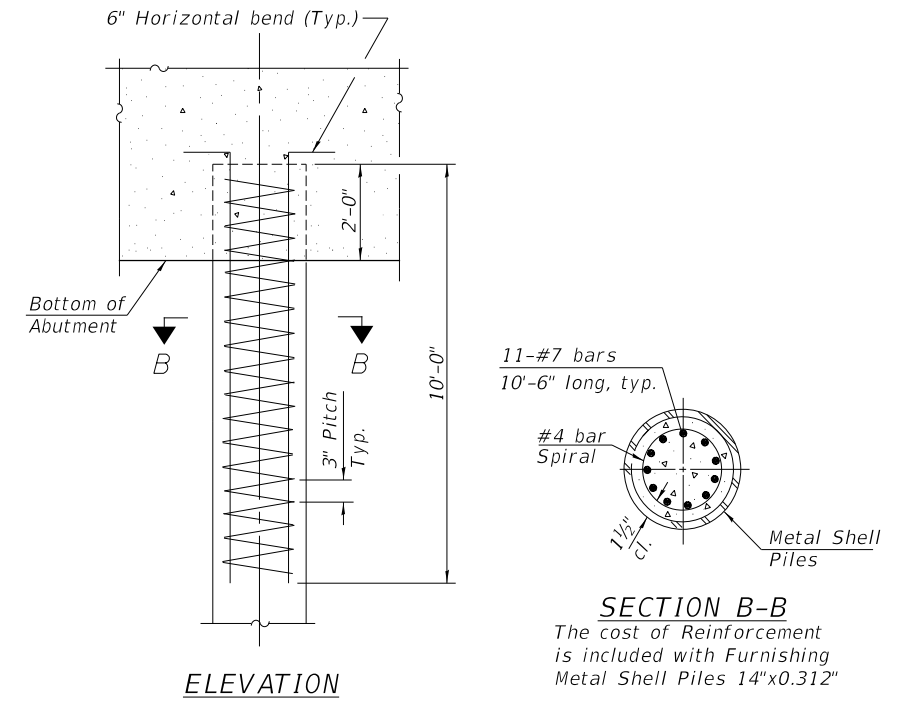
Notes: Driving and bearing ends of pipe shall be cut square. The thickness of the shell shall be 0.312 inches with a tolerance of 5%. The shell shall be according to Article 1006.05(a) of the Standard Specifications, and shall be ASTM A252 Grade 3.



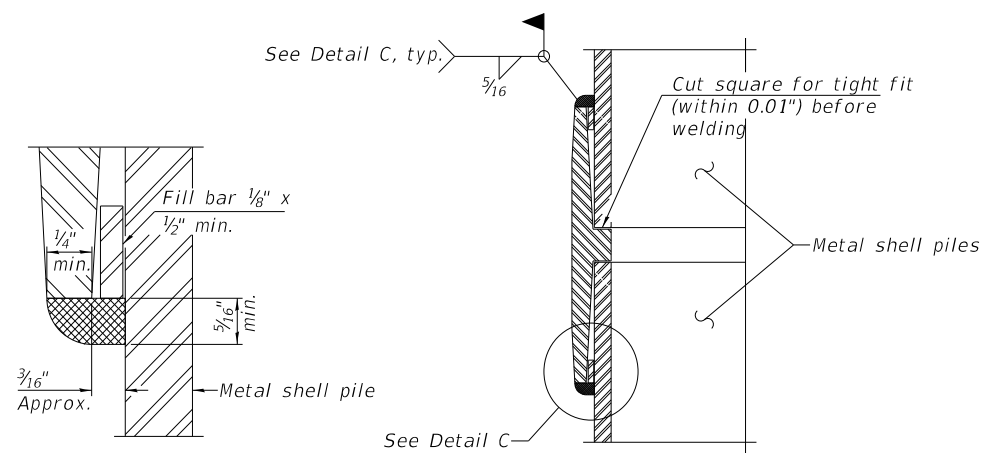
DETAIL OF CYLINDRICAL STEEL SHELL FOR CAST IN PLACE CONCRETE PILES



END PLATE ATTACHMENT



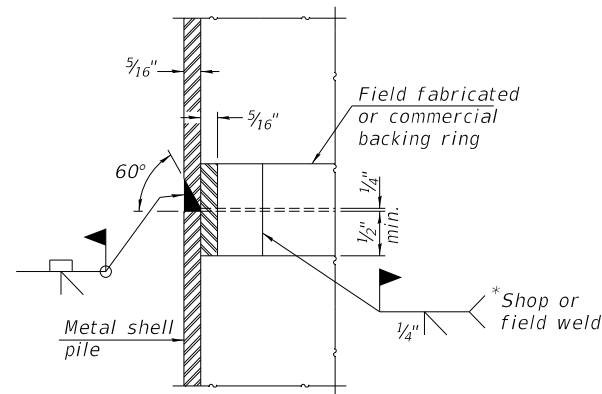
REINFORCEMENT AT ABUTMENTS



DETAIL C

Notes:  
The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.  
Pile segments shall be driven to solid contact with splicer before welding.

WELDED COMMERCIAL SPLICE



COMPLETE PENETRATION WELD SPLICE

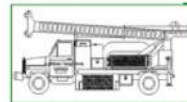
\* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.

Note:  
The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

METAL SHELL PILE DETAILS

SHEET NO. 17 21 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1283	09-00657-00-BR	LASALLE	41	24
	S.N. 050-3597		CONTRACT NO. 87727		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO. SFG8(697)		





**Midwest Testing Services, Inc.**  
3705 Progress Blvd.  
Peru, IL 61354

**BORING LOG**

Phone: 815-223-6696  
Fax: 815-223-6659  
e-mail: mts37@comcast.net

Sheet 1 of 4

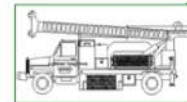
Client: Hutchison Engineering, Inc.  
Project Name: Section 15-00778-00-BR CH-5 Over Wolf Creek  
Project Site: LaSalle County, Illinois

Boring No. B-1  
Surface Elev. 628.10  
Auger Depth 71' Rotary Depth NA  
Start Date 09/22/18 Finish Date 09/22/18

Location: 50' West of Center of Existing Bridge  
And 8' North of Centerline of Roadway

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES					Dry Density (PCF)	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear		
628.10	11.5" Bituminous Pavement Over 6" Crushed Stone		1							
627.10			2							
626.10			3	1	SS	1.6	9	S	18	
625.10			4							
624.10	Stiff Black And Brown Clay (Fill)		5							
623.10			6	2	SS	1.6	9	B	19	
622.10			7							
621.10			8	3	SS	1.6	8	B	22	
620.10			9							
619.10	Stiff Black Clay		10							
618.10			11	4	SS	1.6	10	B	22	
617.10			12							
616.10			13	5	SS	1.8	10	B	18	
615.10	Stiff Brownish Gray Clay		14							
614.10			15							
613.10			16	6	SS	1.5	8	B	21	
612.10			17							
611.10	Loose Gray Silty Sand		18	7	SS	---	9	---	---	
610.10			19							
609.10			20	8	SS	2.1	12	B	14	
608.10	Very Stiff Gray Clay Till									

Groundwater Data: Static water level after auger removal -Elevation 615.0  
Comments:



**Midwest Testing Services, Inc.**  
3705 Progress Blvd.  
Peru, IL 61354

**BORING LOG**

Phone: 815-223-6696  
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e-mail: mts37@comcast.net

Sheet 2 of 4

Client: Hutchison Engineering, Inc.  
Project Name: Section 15-00778-00-BR CH-5 Over Wolf Creek  
Project Site: LaSalle County, Illinois

Boring No. B-1  
Surface Elev. 628.10  
Auger Depth 71' Rotary Depth NA  
Start Date 09/22/18 Finish Date 09/22/18

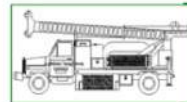
Location: 50' West of Center of Existing Bridge  
And 8' North of Centerline of Roadway

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES					Dry Density (PCF)	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear		
607.10			21							
606.10	Very Stiff Gray Clay Till		22							
605.10			23	9	SS	3.1	20	B	12	
604.10			24							
603.10			25							
602.10	Hard Gray Clay Till		26	10	SS	4.3	25	S	10	
601.10			27							
600.10			28	11	SS	4.1	24	S	10	
599.10			29							
598.10			30	12	SS	3.2	19	B	17	
597.10			31							
596.10			32							
595.10	Very Stiff Gray Clay Till With Silt Seams		33							
594.10			34							
593.10			35	13	SS	2.1	13	B	18	
592.10			36							
591.10			37							
590.10			38							
589.10	Medium Gray Silty Sand		39							
588.10			40	14	SS	---	20	---	---	
587.10			41							

Groundwater Data: Static water level after auger removal -Elevation 615.0  
Comments:

*SOIL BORING LOGS*

SHEET NO. 18 21 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1283	09-00657-00-BR	LASALLE	41	25
	S.N. 050-3597		CONTRACT NO. 87727		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO. SFG8(697)		



**Midwest Testing Services, Inc.**  
3705 Progress Blvd.  
Peru, IL 61354

**BORING LOG**

Sheet 3 of 4

Phone: 815-223-6696  
Fax: 815-223-6659  
e-mail: mts37@comcast.net

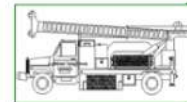
Client: Hutchison Engineering, Inc.  
Project Name: Section 15-00778-00-BR CH-5 Over Wolf Creek  
Project Site: LaSalle County, Illinois

Boring No. B-1  
Surface Elev. 628.10  
Auger Depth 71' Rotary Depth NA  
Start Date 09/22/18 Finish Date 09/22/18

Location: 50' West of Center of Existing Bridge  
And 8' North of Centerline of Roadway

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES					Dry Density (PCF)	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear		
586.10										
585.10			43							
584.10			44							
583.10			45							
582.10			46	15	SS	---	35	---	15	
581.10			47							
580.10			48							
579.10			49							
578.10			50							
577.10			51	16	SS	---	46	---	14	
576.10	Dense Gray Silt		52							
575.10			53							
574.10			54							
573.10			55							
572.10			56	17	SS	---	36	---	15	
571.10			57							
570.10			58							
569.10			59							
568.10			60							
567.10			61	18	SS	---	43	---	15	
566.10	Hard Gray Clay Till		62							

Groundwater Data: Static water level after auger removal -Elevation 615.0  
Comments:



**Midwest Testing Services, Inc.**  
3705 Progress Blvd.  
Peru, IL 61354

**BORING LOG**

Sheet 4 of 4

Phone: 815-223-6696  
Fax: 815-223-6659  
e-mail: mts37@comcast.net

Client: Hutchison Engineering, Inc.  
Project Name: Section 15-00778-00-BR CH-5 Over Wolf Creek  
Project Site: LaSalle County, Illinois

Boring No. B-1  
Surface Elev. 628.10  
Auger Depth 71' Rotary Depth NA  
Start Date 09/22/18 Finish Date 09/22/18

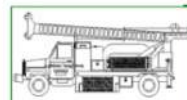
Location: 50' West of Center of Existing Bridge  
And 8' North of Centerline of Roadway

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES					Dry Density (PCF)	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear		
565.10										
564.10			64							
563.10			65							
562.10			66	19	SS	5.4	62	S	10	
561.10	Hard Gray Clay Till		67							
560.10			68							
559.10			69							
558.10			70							
557.10			71	20	SS	5.2	41	S	11	
556.10	Boring Terminated		72							
555.10			73							
554.10			74							
553.10			75							
552.10			76							
551.10			77							
550.10			78							
549.10			79							
548.10			80							
547.10			81							
546.10			82							
545.10			83							

Groundwater Data: Static water level after auger removal -Elevation 615.0  
Comments:

*SOIL BORING LOGS*

SHEET NO. 19 21 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1283	09-00657-00-BR	LASALLE	41	26
	S.N. 050-3597		CONTRACT NO. 87727		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO. SFG8(697)		



**Midwest Testing Services, Inc.**  
3705 Progress Blvd.  
Peru, IL 61354

**BORING LOG**

Phone: 815-223-6696  
Fax: 815-223-6659  
e-mail: mts37@comcast.net

Sheet 1 of 4

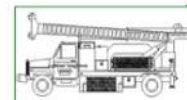
Client: Hutchison Engineering, Inc.  
Project Name: Section 15-00778-00-BR CH-5 Over Wolf Creek  
Project Site: LaSalle County, Illinois

Boring No. B-2  
Surface Elev. 628.10  
Auger Depth 71' Rotary Depth NA  
Start Date 09/22/18 Finish Date 09/22/18

Location: 50' East of Center of Existing Bridge  
And 10' South of Centerline of Roadway

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES					Dry Density (PCF)	DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear			
628.10	8.5" Bituminous Pavement Over 13" Crushed Stone		1						Randy Safranski Diedrich D-120		
627.10			2								
626.10			3	1	SS	1.4	9	S		14	
625.10			4								
624.10			5								
623.10	Stiff Black And Brown Clay (Fill)		6	2	SS	1.7	11	B		18	
622.10			7								
621.10			8	3	SS	1.5	8	B		20	
620.10			9								
619.10	Stiff Black Clay		10	4	SS	1.3	8	B		23	
618.10			11								
617.10	Stiff Brownish Gray Clay		12								
616.10			13	5	SS	1.6	9	B		19	
615.10			14								
614.10	Loose Gray Silty Sand		15	6	SS	---	5	---		---	
613.10			16								
612.10			17								
611.10			18	7	SS	---	7	---		---	
610.10			19								
609.10	Very Stiff Gray Clay Till		20	8	SS	2.7	15	B		13	
608.10											

Groundwater Data: Static water level after auger removal -Elevation 615.0  
Comments:



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**BORING LOG**

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Sheet 2 of 4

Client: Hutchison Engineering, Inc.  
Project Name: Section 15-00778-00-BR CH-5 Over Wolf Creek  
Project Site: LaSalle County, Illinois

Boring No. B-2  
Surface Elev. 628.10  
Auger Depth 71' Rotary Depth NA  
Start Date 09/22/18 Finish Date 09/22/18

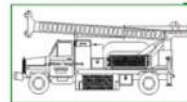
Location: 50' East of Center of Existing Bridge  
And 10' South of Centerline of Roadway

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES					Dry Density (PCF)	DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear			
607.10			21						Randy Safranski Diedrich D-120		
606.10			22								
605.10			23	9	SS	4.1	21	S		12	
604.10			24								
603.10			25								
602.10	Hard Gray Clay		26	10	SS	4.4	23	S		11	
601.10			27								
600.10			28	11	SS	4.2	20	S		11	
599.10			29								
598.10			30								
597.10			31	12	SS	4.5	20	S		12	
596.10			32								
595.10			33								
594.10	Very Stiff Gray Clay Till With Silt Seams		34								
593.10			35								
592.10			36	13	SS	2.3	14	B		17	
591.10			37								
590.10			38								
589.10	Medium Gray Silty Sand		39								
588.10			40								
587.10			41	14	SS	---	25	---	---		

Groundwater Data: Static water level after auger removal -Elevation 615.0  
Comments:

*SOIL BORING LOGS*

SHEET NO. 20 21 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1283	09-00657-00-BR	LASALLE	41	27
	S.N. 050-3597		CONTRACT NO. 87727		
	FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT NO. SFG8(697)		



**Midwest Testing Services, Inc.**  
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Peru, IL 61354

**BORING LOG**

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e-mail: mts37@comcast.net

Sheet 3 of 4

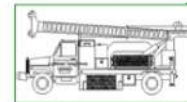
Client: Hutchison Engineering, Inc.  
Project Name: Section 15-00778-00-BR CH-5 Over Wolf Creek  
Project Site: LaSalle County, Illinois

Boring No. B-2  
Surface Elev. 628.10  
Auger Depth 71' Rotary Depth NA  
Start Date 09/22/18 Finish Date 09/22/18

Location: 50' East of Center of Existing Bridge  
And 10' South of Centerline of Roadway

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES					Dry Density (PCF)	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear		
586.10										
585.10			43							
584.10			44							
583.10	Very Dense Gray Silt		45	15	SS	---	61	---	14	
582.10			46							
581.10			47							
580.10			48							
579.10			49							
578.10			50	16	SS	---	46	---	14	
577.10			51							
576.10			52							
575.10			53							
574.10			54							
573.10			55	17	SS	---	37	---	15	
572.10	Dense Gray Silt		56							
571.10			57							
570.10			58							
569.10			59							
568.10			60	18	SS	---	40	---	15	
567.10			61							
566.10			62							

Groundwater Data: Static water level after auger removal -Elevation 615.0  
Comments:



**Midwest Testing Services, Inc.**  
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**BORING LOG**

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Sheet 4 of 4

Client: Hutchison Engineering, Inc.  
Project Name: Section 15-00778-00-BR CH-5 Over Wolf Creek  
Project Site: LaSalle County, Illinois

Boring No. B-2  
Surface Elev. 628.10  
Auger Depth 71' Rotary Depth NA  
Start Date 09/22/18 Finish Date 09/22/18

Location: 50' East of Center of Existing Bridge  
And 10' South of Centerline of Roadway

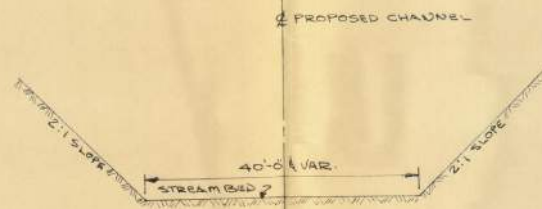
(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES					Dry Density (PCF)	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear		
565.10										
564.10			64							
563.10			65	19	SS	---	64	---	9	
562.10			66							
561.10	Hard Gray Clay Till With Cobbles From 63 to 65'		67							
560.10			68							
559.10			69							
558.10			70	20	SS	4.9	39	S	10	
557.10			71							
556.10	Boring Terminated		72							
555.10			73							
554.10			74							
553.10			75							
552.10			76							
551.10			77							
550.10			78							
549.10			79							
548.10			80							
547.10			81							
546.10			82							
545.10			83							

Groundwater Data: Static water level after auger removal -Elevation 615.0  
Comments:

*SOIL BORING LOGS*

SHEET NO. 21 21 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1283	09-00657-00-BR	LASALLE	41	28
	S.N. 050-3597			CONTRACT NO. 87727	
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO. SFG8(697)		

**TYPICAL SECTION**



**WATER WAY INFORMATION**

DRAINAGE AREA	10,000
CHARACTER	FLAT CULTIVATED
OPENING REQ'D. 15-YEAR FLOOD	310 SQ FT
PRES'ENT OPENING	265 SQ FT
PROPOSED OPENING	404 SQ FT

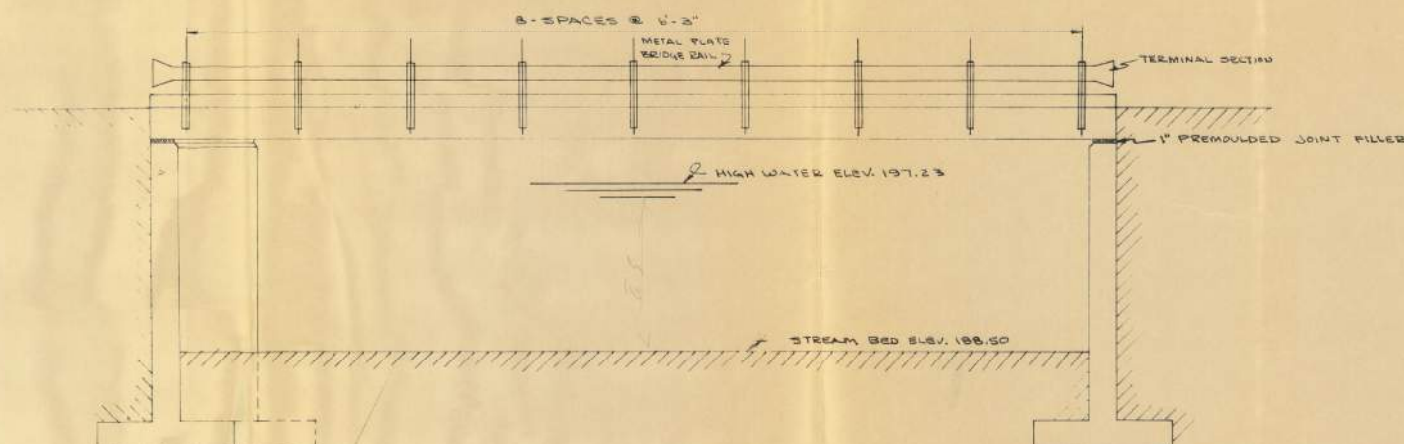
**GENERAL NOTES**

- FOR ITEM "METAL PLATE BRIDGE RAIL" SEE "SPECIAL PROVISIONS"
- CLASS "A" CONCRETE SHALL BE USED IN ABUTMENTS & CURBS
- CONTRACTOR SHALL DRIVE TEST PILES IN PERMANENT LOCATIONS AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINDER OF PILES
- ANY TREES OR BRUSH INTERFERING WITH NEW CONSTRUCTION SHALL BE REMOVED AND DISPOSED OF TO THE SATISFACTION OF THE ENGINEER BY THE CONTRACTOR FOR SEC. 42-B. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "CHANNEL EXCAVATION"
- PILING LENGTHS HAVE BEEN ESTIMATED UPON FIELD INSPECTION AND SERVE ONLY AS A GUIDE TO THE CONTRACTOR IN ESTIMATING QUANTITIES
- TIMBER AND PILES SHALL BE FURNISHED, INSTALLED AND PAID FOR IN ACCORDANCE WITH SECTION 57 & SECTION 60 OF THE STANDARD SPECIFICATIONS
- UPON COMPLETION OF THE STRUCTURE THE CONTRACTOR FOR SEC. 42-B SHALL SHAPE & SURFACE THE APPROACHES TO THE SATISFACTION OF THE ENGINEER

**PILE DATA**

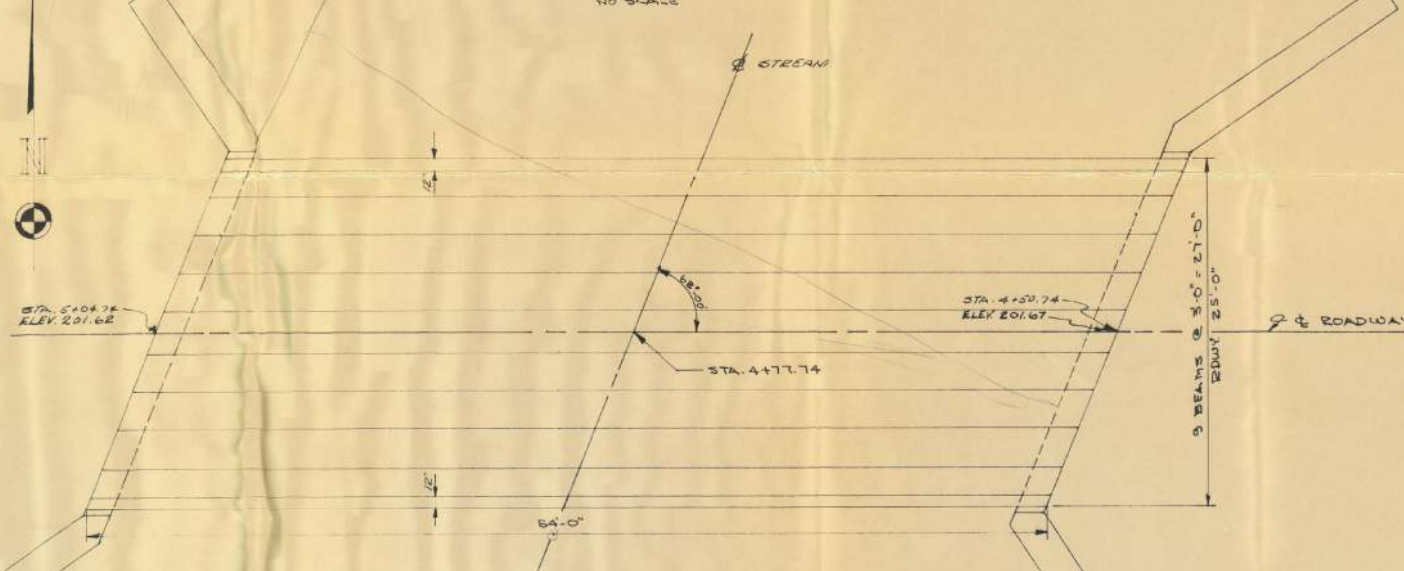
**BOTH ABUTMENTS**  
 ESTIMATED LENGTH 20 FT  
 NO. TEST PILES 50+2 TEST PILES  
 MIN. CAP. 18 TON/PILE  
 TYPE: 12" UNTREATED TIMBER PILES

NOTES:  
 TEST PILE TO BE 30'  
 TEST PILE TO BE DRIVEN BEFORE ORDERING  
 REMAINDER OF PILING.



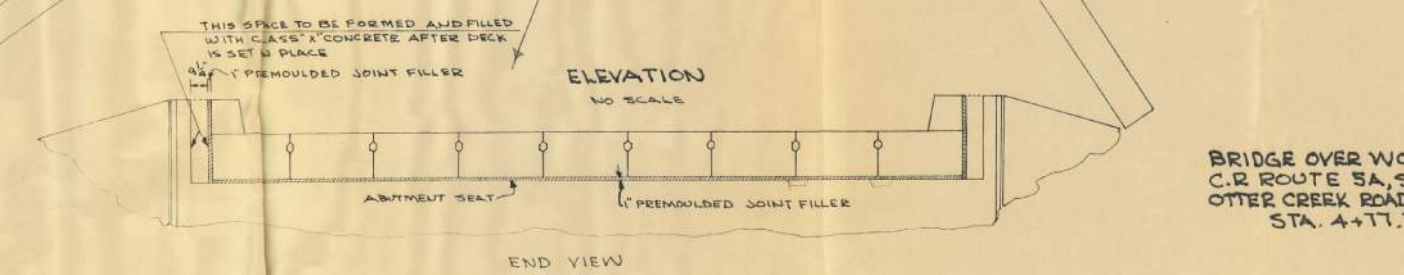
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NO SCALE



**ELEVATION**

NO SCALE



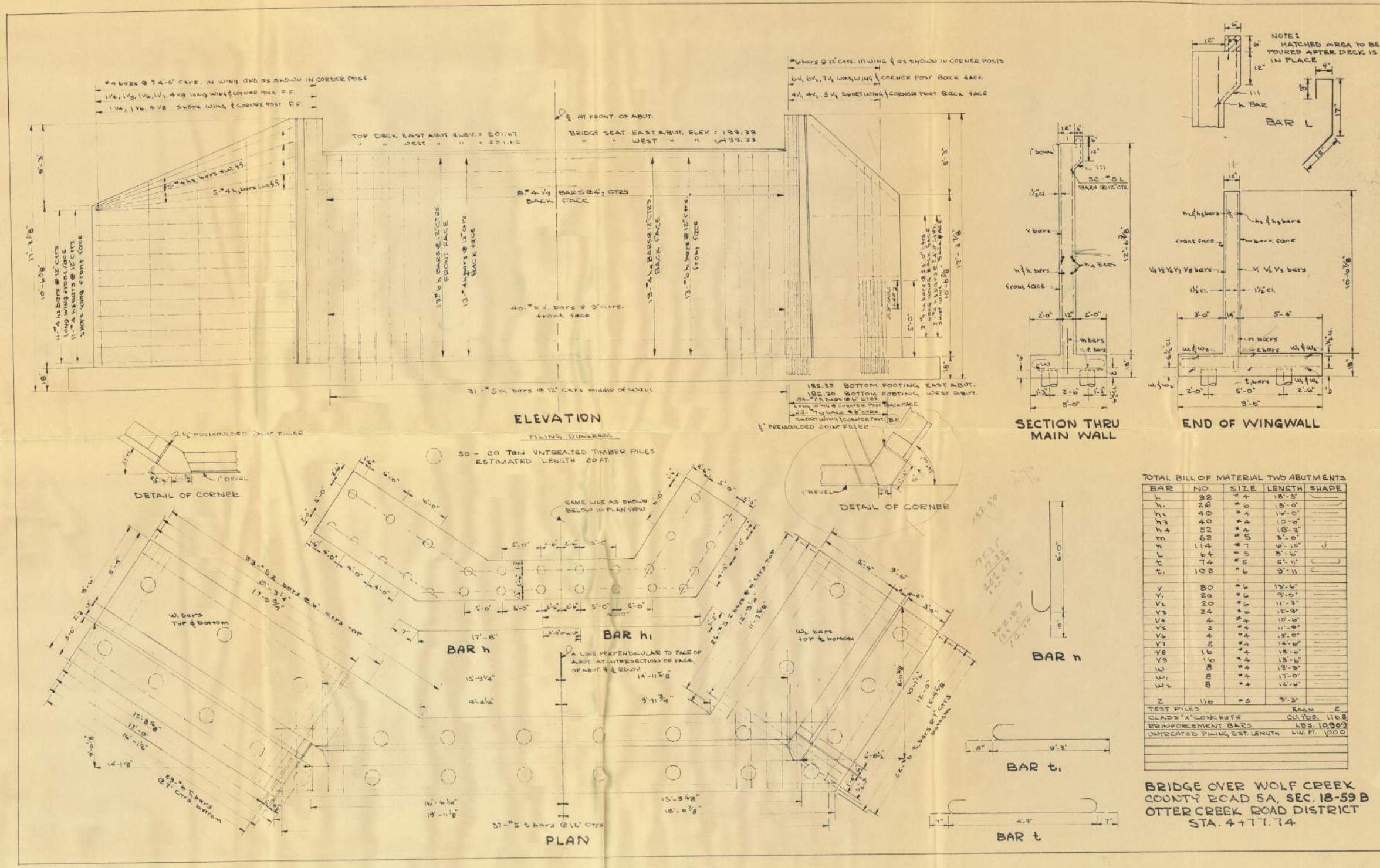
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NO SCALE

**BRIDGE OVER WOLF CREEK  
 C.R. ROUTE 5A, SEC. 18-59 B  
 OTTER CREEK ROAD DISTRICT  
 STA. 4+17.74**

**EXISTING STRUCTURE PLANS**

SHEET NO. 1 3 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1283	09-00657-00-BR	LASALLE	41	29
	S.N. 050-3597		CONTRACT NO. 87727		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO. SFG8(697)		



EXISTING STRUCTURE PLANS

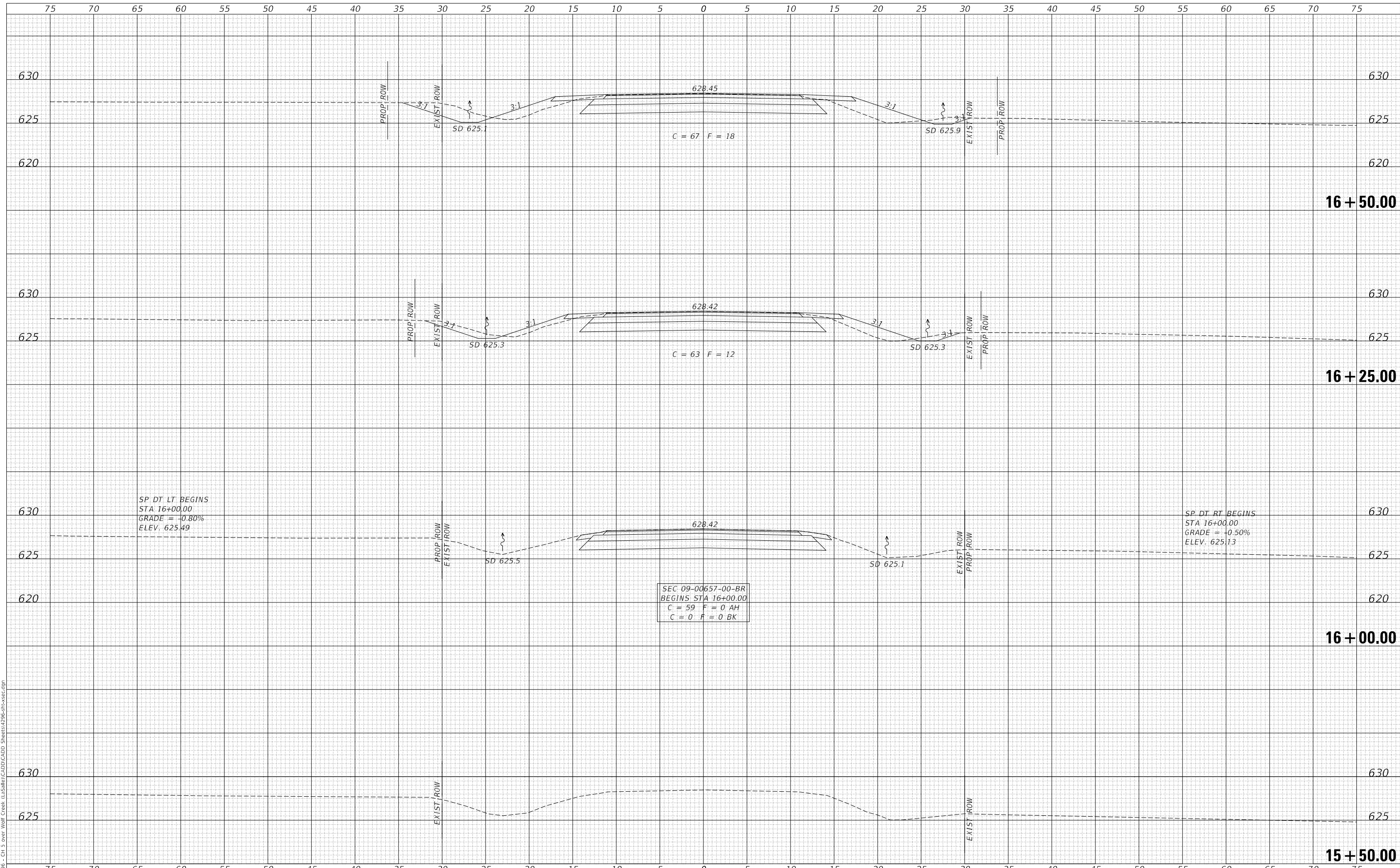
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	1283	09-00657-00-BR	LASALLE	41	30
	S.N. 050-3597		CONTRACT NO. 87727		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT NO. SFG8(697)		



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

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

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	DRAWN -	REVISED -
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PLOT DATE = 2/18/2020	DATE -	REVISED -

**LASALLE COUNTY  
 COUNTY HIGHWAY 5  
 OVER WOLF CREEK**

**CROSS SECTIONS**

SCALE: 1"=5' SHEET 1 OF 10 SHEETS STA. 15+50.00 TO STA. 16+50.00

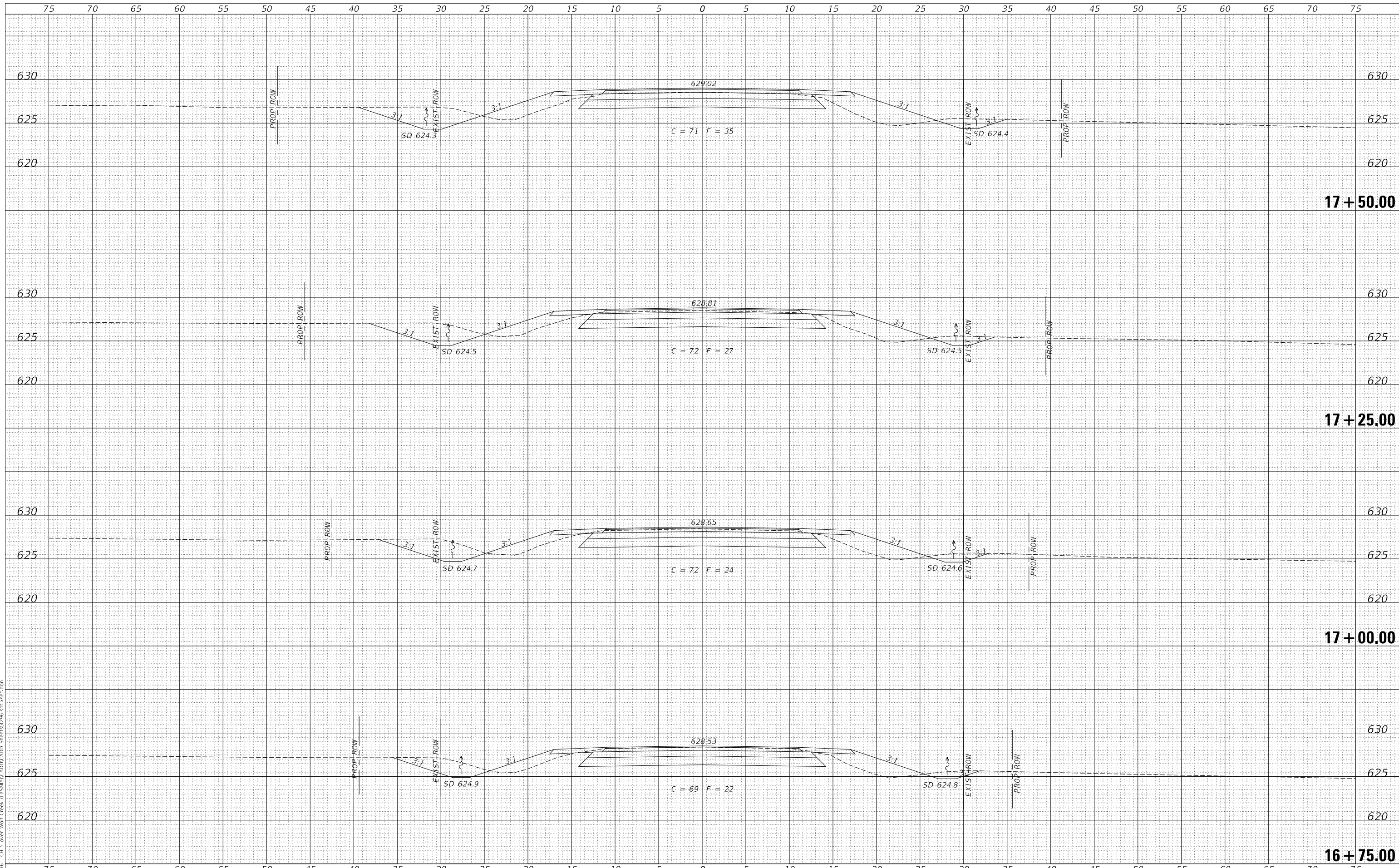
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	09-00657-00-BR	LASALLE	41	32
CONTRACT NO. 87727				
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO. 5FG8(697)	



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

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

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**LASALLE COUNTY  
 COUNTY HIGHWAY 5  
 OVER WOLF CREEK**

**CROSS SECTIONS**

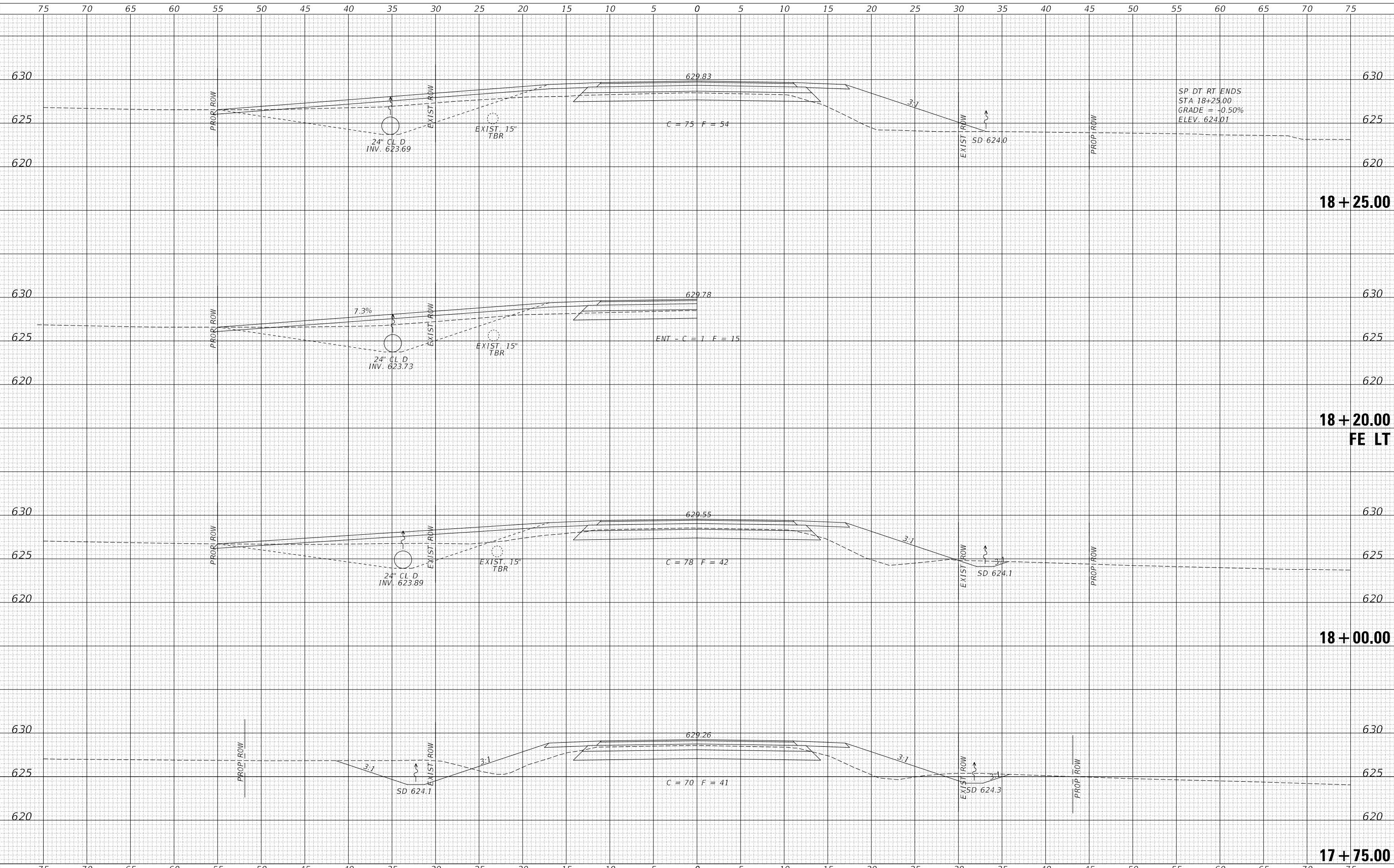
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	09-00657-00-BR	LASALLE	41	33
FED. ROAD DIST. NO. 7		ILLINOIS	CONTRACT NO. 87727	
		FED. AID PROJECT NO. 5FG8(697)		

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

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
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PLOT DATE = 2/18/2020	DATE -	REVISED -

**LASALLE COUNTY  
COUNTY HIGHWAY 5  
OVER WOLF CREEK**

SCALE: 1"=5' SHEET 3 OF 10 SHEETS STA. 17+75.00 TO STA. 18+25.00

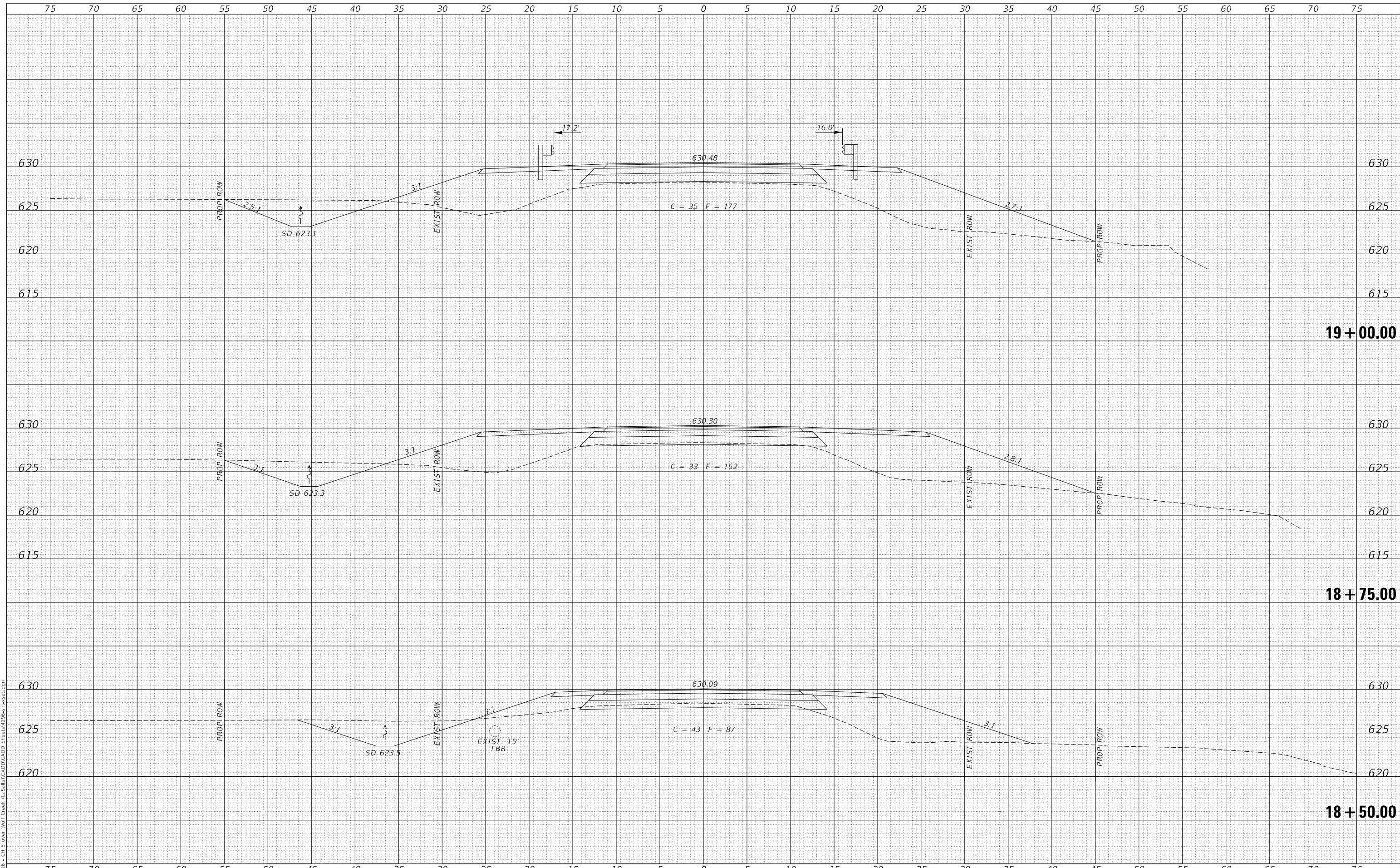
**CROSS SECTIONS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	09-00657-00-BR	LASALLE	41	34
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT NO. 5FG(697)
CONTRACT NO. 87727				

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

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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PLOT DATE = 2/18/2020	DATE -	REVISED -

**LASALLE COUNTY  
 COUNTY HIGHWAY 5  
 OVER WOLF CREEK**

**CROSS SECTIONS**

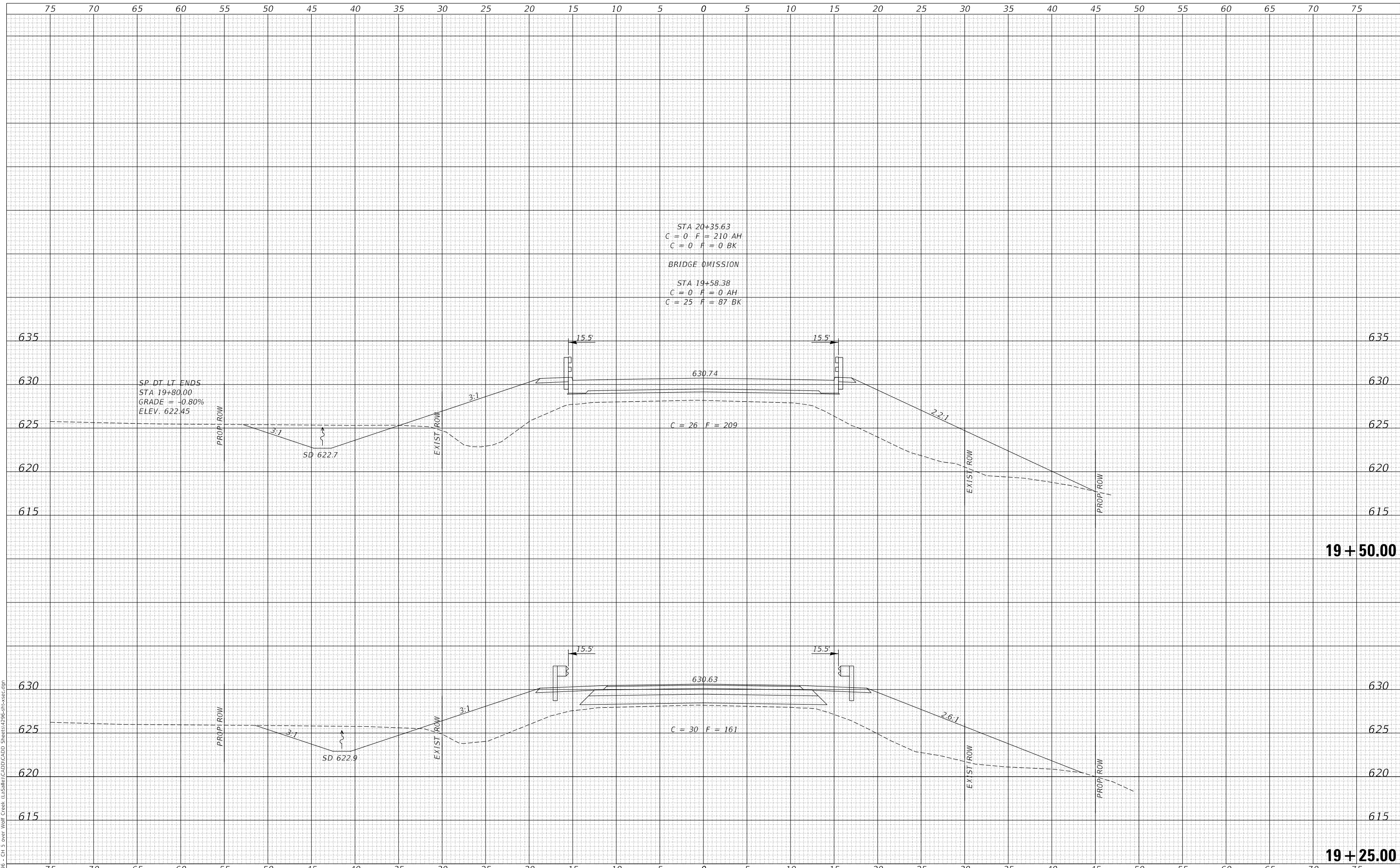
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	09-00657-00-BR	LASALLE	41	35
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 87727	
FED. AID PROJECT NO. 5FG8(697)				

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

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

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PLOT DATE = 2/18/2020	DATE -	REVISED -

**LASALLE COUNTY  
COUNTY HIGHWAY 5  
OVER WOLF CREEK**

**CROSS SECTIONS**

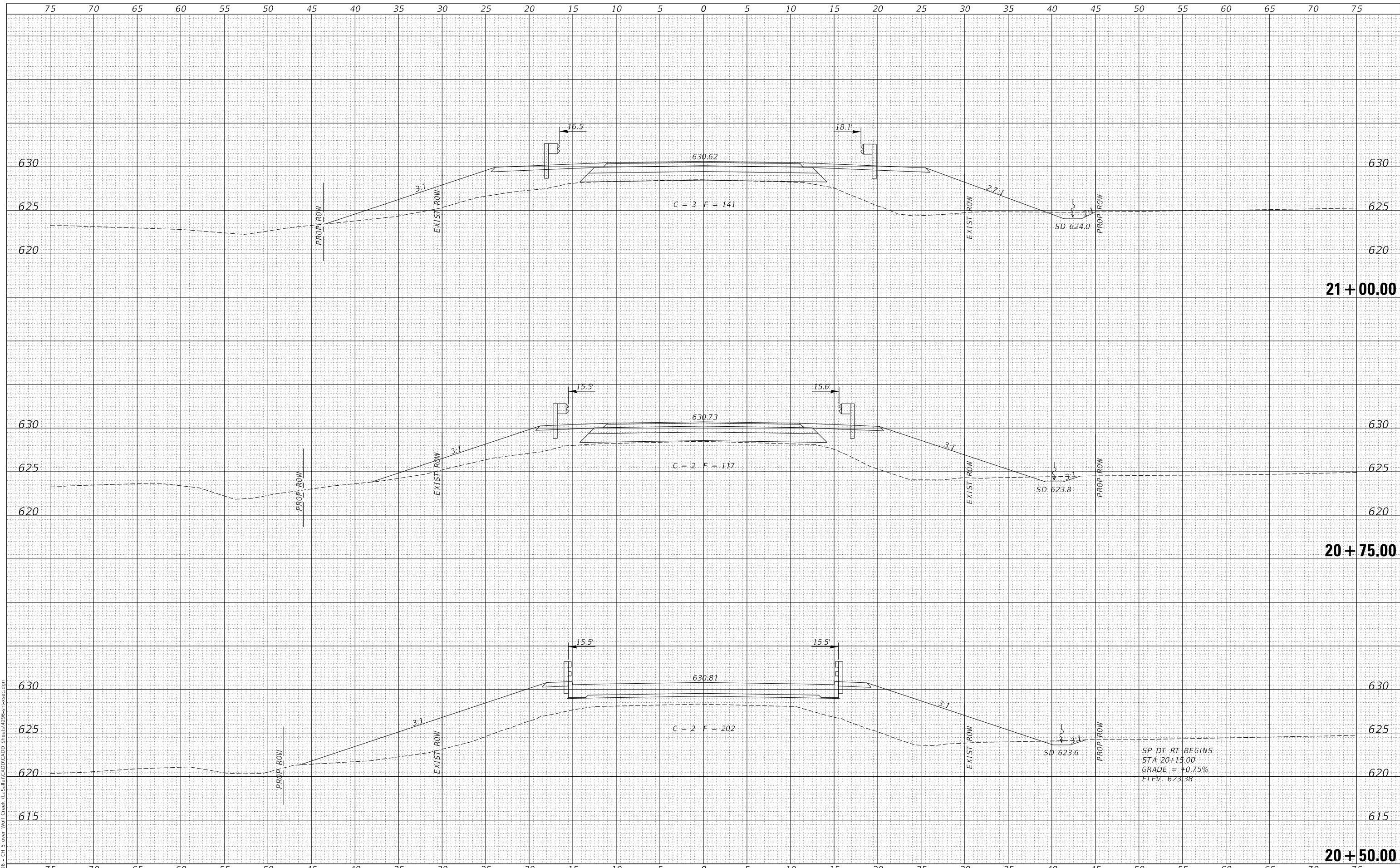
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	09-00657-00-BR	LASALLE	41	36
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO. 5FG(697)	
CONTRACT NO. 87727				

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

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED AREAS CHECKED	
NOTE BOOK	
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USER NAME = smierzwa	DESIGNED -	REVISED -
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PLOT DATE = 2/18/2020	DATE -	REVISED -

**LASALLE COUNTY  
 COUNTY HIGHWAY 5  
 OVER WOLF CREEK**

**CROSS SECTIONS**

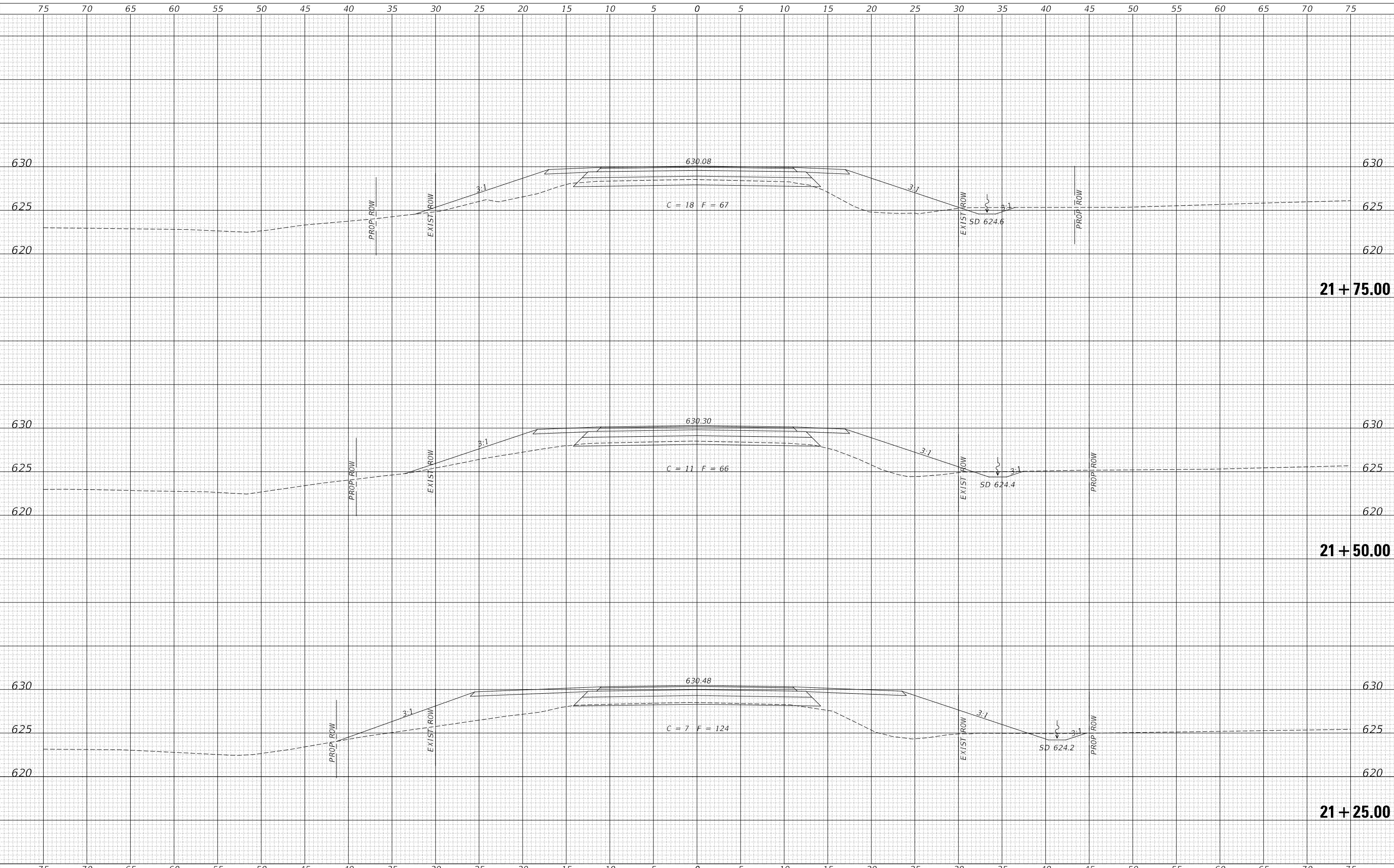
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	09-00657-00-BR	LASALLE	41	37
FED. ROAD DIST. NO. 7		ILLINOIS	CONTRACT NO. 87727	
			FED. AID PROJECT NO. 5FG8(697)	

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

DATE	
BY	
ORIGINAL SURVEY NO.	
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PLOT DATE = 2/18/2020	DATE -	REVISED -

**LASALLE COUNTY  
 COUNTY HIGHWAY 5  
 OVER WOLF CREEK**

**CROSS SECTIONS**

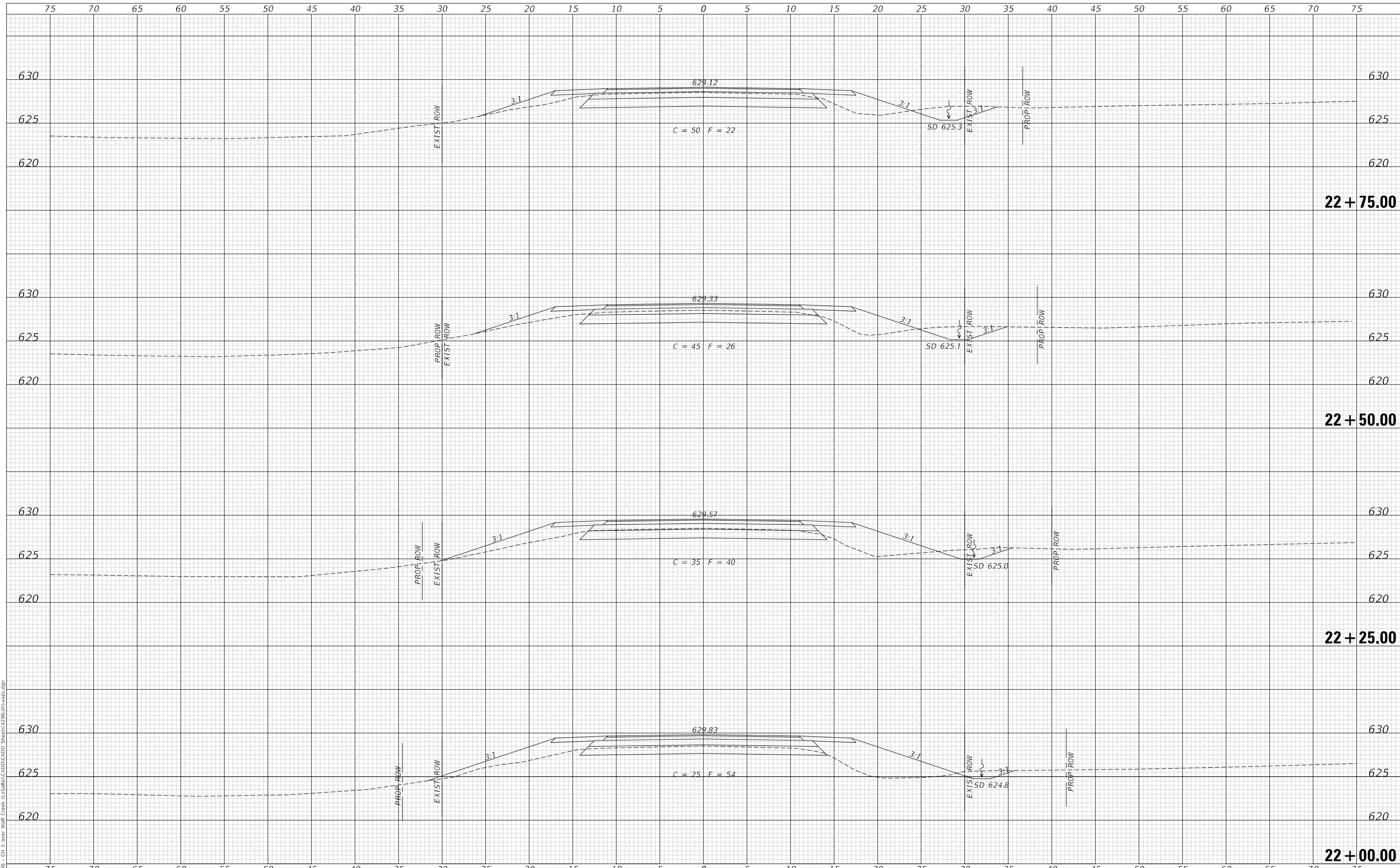
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	09-00657-00-BR	LASALLE	41	38
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 87727	
FED. AID PROJECT NO. 5FG8(697)				

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

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

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PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/18/2020	DATE -	REVISED -

**LASALLE COUNTY  
COUNTY HIGHWAY 5  
OVER WOLF CREEK**

**CROSS SECTIONS**

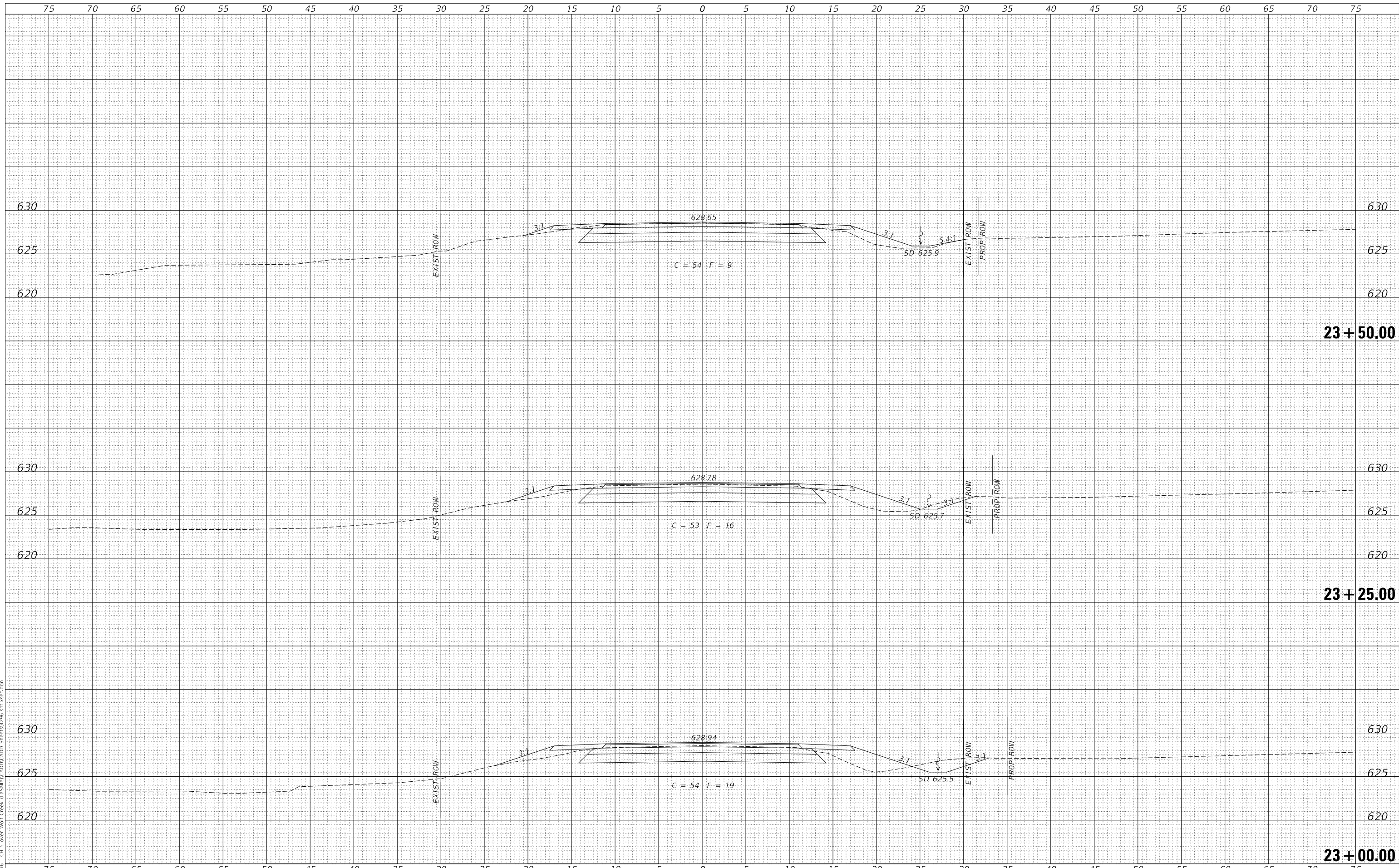
SCALE: 1"=5'    SHEET 8 OF 10 SHEETS    STA. 22+00.00 TO STA. 22+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	09-00657-00-BR	LASALLE	41	39
FED. ROAD DIST. NO. 7		ILLINOIS	CONTRACT NO. 87727	
			FED. AID PROJECT NO. 5FG8(697)	

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

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

MODEL: \$MODELNAME\$  
 FILE NAME: V:\1258 - Ch 5 Over Wolf Creek (Lasalle)\CADD\CADD Streets\98610000.dgn



USER NAME = smierzwa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/18/2020	DATE -	REVISED -

**LASALLE COUNTY  
 COUNTY HIGHWAY 5  
 OVER WOLF CREEK**

**CROSS SECTIONS**

SCALE: 1"=5' SHEET 9 OF 10 SHEETS STA. 23+00.00 TO STA. 23+50.00

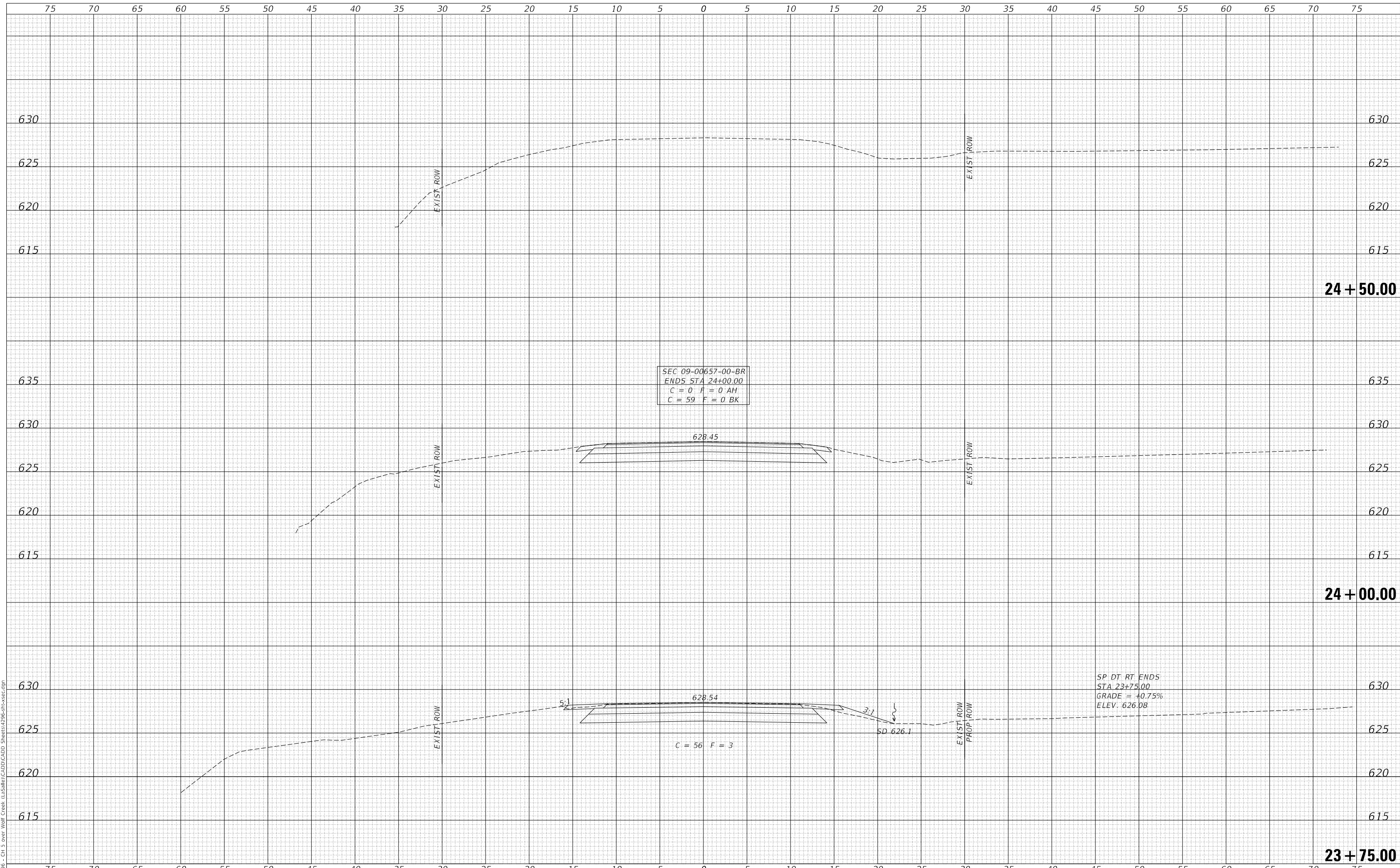
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	09-00657-00-BR	LASALLE	41	40
FED. ROAD DIST. NO. 7		ILLINOIS	CONTRACT NO. 87727	
			FED. AID PROJECT NO. SFG8(697)	



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

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

MODEL: \$MODELNAME\$  
 FILE NAME: V:\1258 - Ch 5 Over Wolf Creek (Lasalle)\CADD\CADD - Streets\98-09-00-00-00.dwg



USER NAME = smierzwa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/18/2020	DATE -	REVISED -

**LASALLE COUNTY  
 COUNTY HIGHWAY 5  
 OVER WOLF CREEK**

**CROSS SECTIONS**

SCALE: 1"=5' SHEET 10 OF 10 SHEETS STA. 23+75.00 TO STA. 24+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	09-00657-00-BR	LASALLE	41	41
FED. ROAD DIST. NO. 7		ILLINOIS	CONTRACT NO. 87727	
			FED. AID PROJECT NO. 5FG8(697)	