+1=80

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	1
FED. ROAD DIST. NO. 7	ILLINOIS	CONTRACT NO. 91567		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED
MAJOR BRIDGE PROGRAM
CITY OF DANVILLE
SECTION 08-00330-02-PV
F.A.U. 6999 (VOORHEES ST.) OVER STONEY CREEK
PROJECT NO. SH8B(742)
JOB NUMBER C-95-014-18
MAY ST AND ROGERS ST RECONSTRUCTION

UTILITY COMPANIES

AT&T
OAK BROOK, ILLINOIS

COMCAST
ELMHURST, ILLINOIS

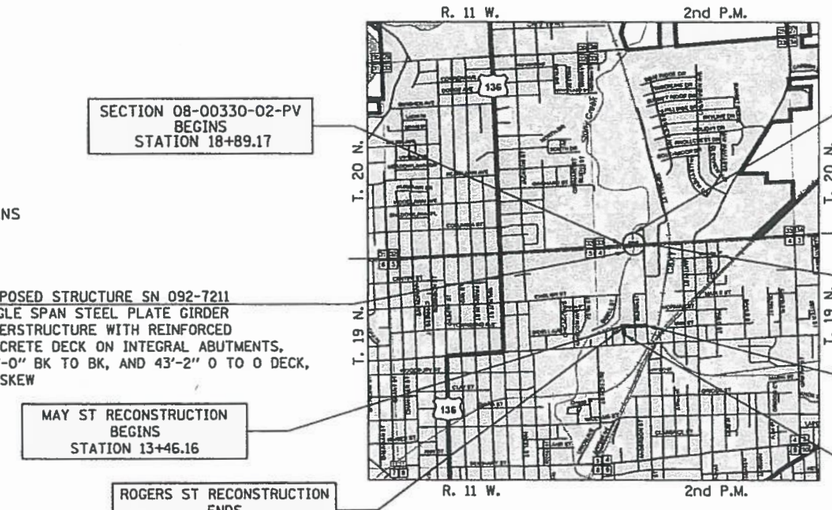
DANVILLE SANITARY DISTRICT
DANVILLE, ILLINOIS

AMEREN IP
BELLEVILLE, ILLINOIS

AQUA ILLINOIS
DANVILLE, ILLINOIS

WINDSTREAM
HIAWATHA, IOWA

INDEX OF SHEETS



LOCATION MAP

1/2 MI 0 1/2 MI

APPROXIMATE SCALE

LOCATION OF SECTION INDICATED THUS:- ■

SCALES
- PLAN, PROFILE HORIZ. — 20' 0 20'
- PROFILE VERT. — 5' 0 5'
- CROSS SECTIONS HORIZ., CROSS SECTIONS VERT. — 5' 0 5'

VOORHEES STREET OVER STONEY CREEK	MAY STREET & ROGERS STREET RECONSTRUCTION
NET LENGTH OF PROJECT = 223.00 FEET = 0.042 MILES	NET LENGTH OF PROJECT = 855.30 FEET = 0.162 MILES
DESIGN CLASSIFICATION: MINOR ARTERIAL (URBAN)	DESIGN CLASSIFICATION: LOCAL ROAD OR STREET
DESIGN ADT = 16,920 (37)	DESIGN ADT = 770 (37)
DESIGN SPEED = 35 MPH	DESIGN SPEED = 30 MPH

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

CONTRACT NO. 91567

3999-sht-VoorheesE01.dgn

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Hutchison Engineering, Inc.
JACKSONVILLE • PEORIA • SHOREWOOD • MOLINE
Illinois Professional Design Firm No. 184-000825
2017 JOB#3999

12/13/17
EXPIRES 11/30/2019
ANTHONY W. MILLER 062-050604 REGISTERED PROFESSIONAL ENGINEER STATE OF ILLINOIS
SIGNATURE
ENGINEER'S SEAL

ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED December 12 20 17
R. David Adkins
CITY OF DANVILLE
DIRECTOR OF URBAN SERVICES

PASSED DECEMBER 28 20 17
DISTRICT 5 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW DECEMBER 27 20 17
Kenneth G. Garnett CME
REGION 3 ENGINEER

GENERAL NOTES

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

WHEREVER IN THESE PLANS REFERENCE IS MADE TO THE "STANDARD SPECIFICATIONS", IT IS UNDERSTOOD TO INCLUDE THE "SUPPLEMENTAL SPECIFICATIONS" INCLUDED IN THE PROPOSAL.

PLAN QUANTITIES FOR TREE REMOVAL HAVE BEEN BASED ON ALL TREES WITHIN THE EXISTING RIGHT-OF-WAY AND TEMPORARY EASEMENT. THIS QUANTITY MAY BE REVISED DURING CONSTRUCTION, AT THE DIRECTION OF THE ENGINEER, BY DELETING FROM THE REMOVAL QUANTITIES, SUCH TREES THAT DO NOT INTERFERE WITH THE PROPOSED CONSTRUCTION.

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.

FRAMES AND GRATES ON EXISTING DRAINAGE OR SANITARY STRUCTURES, WHICH ARE TO BE REMOVED, ABANDONED, OR WHICH OTHERWISE ARE NOT INCORPORATED INTO THE IMPROVEMENT SHALL BECOME THE PROPERTY OF THE CITY OF DANVILLE. THE CONTRACTOR SHALL STORE THE FRAMES AND GRATES WITHIN THE RIGHT OF WAY AT LOCATIONS DESIGNATED BY THE ENGINEER.

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.

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.

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

THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION. THE CONTRACTOR WILL NOT BE ALLOWED TO BUILD FIRES ON THE SITE.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO THE LUMP SUM PAY ITEMS.

VERIFICATION OF DIMENSIONS : IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY OWNERS AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.

THE CONTRACTOR SHALL COOPERATE WITH THE CITY OF DANVILLE ON ANY UNDERGROUND CONSTRUCTION WHICH THE CITY MAY WISH TO PLACE BEFORE THE PROJECT IS COMPLETED.

EXISTING PAVEMENT, SIDEWALK, DRIVEWAY PAVEMENT, CURB AND GUTTER AND EXISTING DRAINAGE STRUCTURES NOT INCLUDED IN THE PLANS FOR REMOVAL, BUT DAMAGED DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

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.

EXISTING CONCRETE SIGN BASES AND OTHER MISCELLANEOUS CONCRETE NOT SPECIFICALLY SHOWN ON THE PLANS, BUT INTERFERING WITH PROPOSED CONSTRUCTION, SHALL BE REMOVED. COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE EARTH EXCAVATION.

THE REMOVAL OF HOT-MIX ASPHALT SURFACING NOT ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION.

WHENEVER IT IS NECESSARY TO REMOVE BITUMINOUS AGGREGATE MIXTURE, OIL AND CHIP SURFACE, EXISTING GRAVEL OR CRUSHED STONE BASE COURSE, IT SHALL BE REMOVED AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ADDITIONAL LABOR OR EQUIPMENT REQUIRED.

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 LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE CITY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL INDEMNIFY THE CITY, 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 SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 (TEN) DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES AS REGARDS TO THEIR FACILITIES.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR MUST CALL J.U.L.I.E. AT 1-800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE, GAS FACILITIES, AND ALL PUBLIC UTILITIES. A 48 HOUR NOTIFICATION IS REQUIRED.

THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWER AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE.

THE CONTRACTOR SHALL COMPLY WITH THE ENVIRONMENTAL PROTECTION AGENCY (E.P.A.) REGULATIONS WHICH APPLY TO STORM SEWER CONSTRUCTION REGARDING THE HORIZONTAL AND VERTICAL SEPARATION OF A STORM SEWER LINE FROM ANY EXISTING OR PROPOSED WATERMAIN. AT LOCATIONS WHERE THE SEPARATION IS INADEQUATE, THE CONTRACTOR SHALL ADJUST THE WATERMAIN TO PROVIDE THE REQUIRED SEPARATION OR CONSTRUCT THE STORM SEWER OF THE MATERIAL SPECIFIED IN THE E.P.A. REGULATIONS.

THE ELEVATIONS AND EXACT SIZE OF ALL EXISTING WATERMAINS AND SANITARY SEWERS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION OF EACH RUN OF STORM SEWER TRUNK LINE OR LATERAL LINE WITHIN WHICH A CROSSING OF EITHER OR BOTH TYPES OF THESE EXISTING UTILITIES IS TO BE ENCOUNTERED. THE CONTRACTOR SHALL THEN DETERMINE WHICH OF THE ABOVE OPTIONS HE WILL USE TO RESOLVE THE CONFLICT BETWEEN THE PROPOSED STORM SEWER AND THE EXISTING UTILITY. THE APPROVAL OF THE RESIDENT ENGINEER AND THE SUPERINTENDENT OF THE UTILITY SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO STARTING CONSTRUCTION OF THIS SEGMENT OF STORM SEWER.

DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SO AFFECTED SHALL BE FREE FROM ALL DEBRIS. THIS WORK SHALL BE INCLUDED WITH THE COST OF THE STORM SEWER.

THE COST OF ADDITIONAL LABOR AND MATERIALS NOT ACCOUNTED FOR ON THE PLANS, WHICH MIGHT BE INVOLVED IN CONNECTING EXISTING DRAIN TILE OR STORM SEWERS TO PROPOSED DRAINAGE STRUCTURES, SHALL BE INCLUDED WITH THE COST OF THE STORM SEWER.

THE ENDS OF EXISTING DRAINAGE LINES WHICH ARE NOT TO BE INCORPORATED INTO THE PROPOSED IMPROVEMENT ARE TO BE SEALED (PLUGGED) TO THE SATISFACTION OF THE ENGINEER. COST OF SUCH WORK SHALL BE INCLUDED WITH THE COST OF THE STORM SEWER.

GENERAL NOTES (CONTINUED)

FOR INLETS AND MANHOLES CONSTRUCTED IN CONJUNCTION WITH THE CURB/GUTTER, THE OFFSET DISTANCE SHOWN ON THE PLANS IS FROM THE CENTERLINE OF CONSTRUCTION TO THE FLOWLINE OF GUTTER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONSTRUCT EACH INLET OR MANHOLE, AT THE PROPOSED LOCATION SO THAT THE FRAME MATCHES THE CURB LINE.

ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES OUTSIDE THE PROPOSED PAVEMENT SHALL BE SEEDED IN ACCORDANCE WITH THE APPLICABLE SECTION 250 OF THE STANDARD SPECIFICATIONS.

TRAFFIC SIGNS REMOVED MUST BE RESET AT THEIR PERMANENT LOCATIONS IN A WORKMANLIKE MANNER AND VISIBLE TO TRAFFIC ON THE ROADWAY AS DIRECTED BY THE ENGINEER. THESE SIGNS SHALL BE RESET BEFORE THE ROADWAY IS OPEN TO TRAFFIC. COST OF SUCH WORK SHALL BE INCLUDED WITH THE COST OF THE PAVING.

REQUIRED HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420401-12	PERPENDICULAR CURB RAMPS
424001-10	DEPRESSED CORNER FOR SIDEWALKS
424021-04	PAVEMENT CONNECTOR (PPC) FOR BRIDGE APPROACH SLAB
515001-03	NAME PLATE FOR BRIDGES
602301-04	INLET, TYPE A
602306-03	INLET, TYPE B
602401-04	MANHOLE, TYPE A
602601-05	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS, TYPE 1
604036-03	GRATE, TYPE 8
604041-03	FRAME AND GRATE, TYPE 9
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45MPH
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-07	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
782006	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 (TWO-LANE TWO WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

LEGEND

⊙	PROPOSED MANHOLE
▬	PROPOSED INLET
TB 10	TRENCH BACKFILL - CU YD
	INLET AND PIPE PROTECTION (BEFORE PAVING INLET FILTER (AFTER PAVING)
R	STRUCTURE OR FIRE HYDRANT TO BE REMOVED
A	WATER VALVE OR METER TO BE ADJUSTED
A	FRAME AND LID TO BE ADJUSTED
A	FIRE HYDRANT TO BE ADJUSTED
M	FIRE HYDRANT TO BE MOVED
SSWMR	STORM SEWER (WATER MAIN REQUIREMENT)
L = 610.95	LID ELEVATION
INV = 608.30	INVERT ELEVATION
FL = 610.52	FLOWLINE ELEVATION
TBR	TO BE REMOVED
———	PROPOSED STORM SEWER
~~	STORM SEWER REMOVAL
——•——	PERIMETER EROSION BARRIER
	SIDEWALK REMOVAL
	PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL
	PROPOSED RIPRAP
	DETECTABLE WARNING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

LOCATION	VOORHEES	MAY & ROGERS	
MIXTURE USES	HMA SURF CRSE	HMA SURF CRSE	HMA BINDER COURSE
PG	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4% @ N50	4% @ N50	4% @ N50
MIX COMPOSITION: (GRADATION MIXTURE)	IL-9.5	IL-9.5	IL-19.0
FRICTION AGGREGATE	MIX "D"	MIX "D"	N/A
QUALITY MANAGEMENT	QC/QA	QC/QA	QC/QA
SUBLOT SIZE	N/A	N/A	N/A

HMA QUANTITIES CALCULATED USING 112 LB/SY/IN

FILE NAME = 3999sht-GenNotes.dgn	USER NAME = JDean	DESIGNED - AWM/BAN	REVISED -	CITY OF DANVILLE	VOORHEES ST BRIDGE AND MAY ST & ROGERS ST RECONSTRUCTION GENERAL NOTES, STANDARDS AND LEGEND
		DRAWN - TJD/CET	REVISED -		
$MODELNAME$	PLOT SCALE = 2.0000 '/ in.	CHECKED - AWM/BAN	REVISED -		
	PLOT DATE = 12/13/2017	DATE -	REVISED -		SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	2
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBBI742			

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 100% LOCAL ROADWAY 0004 URBAN	CONSTRUCTION CODE 80% FEDERAL 20% STATE BRIDGE 0010 092-7211
△	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	131		131
△	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	18		18
	20200100	EARTH EXCAVATION	CU YD	1546	1426	120
	20400800	FURNISHED EXCAVATION	CU YD	415		415
	20800150	TRENCH BACKFILL	CU YD	415	415	
△	25000200	SEEDING, CLASS 2	ACRE	0.75	0.5	0.25
△	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	51	33	18
△	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	51	33	18
△	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	51	33	18
△	25100125	MULCH, METHOD 3	ACRE	0.75	0.5	0.25
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	237	37	200
	28000400	PERIMETER EROSION BARRIER	FOOT	545	80	465
	28000500	INLET AND PIPE PROTECTION	EACH	12	12	
	28000510	INLET FILTERS	EACH	12	12	

▪ SEE SPECIAL PROVISIONS

△ SPECIALTY ITEMS

FILE NAME ▪ 3999-sht-S001.dgn	USER NAME ▪ JDean	DESIGNED - AWM	REVISED -	CITY OF DANVILLE
		DRAWN - TJD	REVISED -	
	PLOT SCALE ▪ 2.0000 ' / in.	CHECKED - AWM	REVISED -	
▪MODEL NAME▪	PLOT DATE ▪ 12/13/2017	DATE -	REVISED -	

VOORHEES ST BRIDGE AND MAY ST & ROGERS ST RECONSTRUCTION
SUMMARY OF QUANTITIES

SCALE▪ NONE | SHEET 1 OF 7 SHEETS | STA. N/A | TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	3
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBSR7421			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 100% LOCAL ROADWAY 0004 URBAN	CONSTRUCTION CODE 80% FEDERAL 20% STATE BRIDGE 0011 092-7211
28100107	STONE RIPRAP, CLASS A4	SQ YD	115	20	95
28200200	FILTER FABRIC	SQ YD	115	20	95
35100100	AGGREGATE BASE COURSE, TYPE A	TON	7		7
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	3095	3095	
35400475	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9 3/4"	SQ YD	5		5
40200500	AGGREGATE SURFACE COURSE, TYPE A 6"	SQ YD	38	38	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	5660	5660	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	616	566	50
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	317	317	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	261	247	14
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	60		60
42001300	PROTECTIVE COAT	SQ YD	1139	1139	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	183	183	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	6062	4884	1178

• SEE SPECIAL PROVISIONS

Δ SPECIALTY ITEMS

FILE NAME = 3999-sht-S002.dgn	USER NAME = bborgman	DESIGNED - AWM	REVISED -
		DRAWN - TJD	REVISED -
$MODELNAME$	PLOT SCALE = 2.0000 '/ in.	CHECKED - AWM	REVISED -
	PLOT DATE = 1/31/2018	DATE -	REVISED -

CITY OF DANVILLE

VOORHEES ST BRIDGE AND MAY ST & ROGERS ST RECONSTRUCTION
SUMMARY OF QUANTITIES

SCALE: NONE | SHEET 2 OF 7 SHEETS | STA. N/A | TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	4
		CONTRACT NO. 91567		
	ILLINOIS	FED. AID PROJECT SHBB(742)		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 100% LOCAL ROADWAY 0004 URBAN	CONSTRUCTION CODE 80% FEDERAL 20% STATE BRIDGE 0010 092-7211
42400800	DETECTABLE WARNINGS	SQ FT	105	105	
44000100	PAVEMENT REMOVAL	SQ YD	329		329
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	109		109
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	10	10	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	177		177
44000600	SIDEWALK REMOVAL	SQ FT	2169	913	1256
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1		1
50102400	CONCRETE REMOVAL	CU YD	41.7		41.7
50105220	PIPE CULVERT REMOVAL	FOOT	39	39	
50200100	STRUCTURE EXCAVATION	CU YD	415		415
50300225	CONCRETE STRUCTURES	CU YD	68.2		68.2
50300255	CONCRETE SUPERSTRUCTURE	CU YD	194.8		194.8
50300260	BRIDGE DECK GROOVING	SQ YD	525		525
50300280	CONCRETE ENCASEMENT	CU YD	59.8		59.8

* SEE SPECIAL PROVISIONS

△ SPECIALTY ITEMS

FILE NAME = 3999-sht-5001.dgn	USER NAME = JDean	DESIGNED - AWM	REVISED -	CITY OF DANVILLE	VOORHEES ST BRIDGE AND MAY ST & ROGERS ST RECONSTRUCTION SUMMARY OF QUANTITIES	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TJD	REVISED -			6999	08-00330-02-PV	VERMILION	79	5
	PLOT SCALE = 2.0000 ' / in.	CHECKED - AWM	REVISED -					CONTRACT NO. 91567		
$MODELNAME$	PLOT DATE = 12/13/2017	DATE -	REVISED -		SCALE: NONE SHEET 3 OF 7 SHEETS STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT SHOWN42		

					CONSTRUCTION CODE	
					100% LOCAL	80% FEDERAL 20% STATE
					ROADWAY	BRIDGE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY		0004	0010
					URBAN	092-7211
50300300	PROTECTIVE COAT	SQ YD	970			970
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	148.6			148.6
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1			1
50500505	STUD SHEAR CONNECTORS	EACH	2466			2466
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	103440			103440
△ ◦ 50901730	BRIDGE FENCE RAILING	FOOT	168			168
△ ◦ 50901735	BRIDGE FENCE RAILING (SIDEWALK)	FOOT	168			168
51100300	SLOPE WALL 6 INCH	SQ YD	85			85
51201900	FURNISHING STEEL PILES HP14X89	FOOT	595			595
51500100	NAME PLATES	EACH	1			1
52100520	ANCHOR BOLTS, 1"	EACH	24			24
55100200	STORM SEWER REMOVAL 6"	FOOT	27	27		
55100400	STORM SEWER REMOVAL 10"	FOOT	41	41		
55100500	STORM SEWER REMOVAL 12"	FOOT	104	104		

◦ SEE SPECIAL PROVISIONS

△ SPECIALTY ITEMS

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 100% LOCAL ROADWAY 0004 URBAN	CONSTRUCTION CODE 80% FEDERAL 20% STATE BRIDGE 0010 092-7211
	55100700	STORM SEWER REMOVAL 15"	FOOT	56	56	
	55100900	STORM SEWER REMOVAL 18"	FOOT	345	345	
△▪	56109210	WATER VALVES TO BE ADJUSTED	EACH	5	5	
△	56400100	FIRE HYDRANTS TO BE MOVED	EACH	1	1	
△▪	56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	2	2	
△▪	56500300	DOMESTIC METER VAULTS TO BE ADJUSTED	EACH	4	4	
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	56		56
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3	
	60221800	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 9 FRAME AND GRATE	EACH	1	1	
	60222000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1	
	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	5	5	
	60236600	INLETS, TYPE A, TYPE 9 FRAME AND GRATE	EACH	2	2	
	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	1	1	

▪ SEE SPECIAL PROVISIONS

△ SPECIALTY ITEMS

FILE NAME = 3999-sht-S005.dgn	USER NAME = JDean	DESIGNED - AWM	REVISED -	CITY OF DANVILLE	VOORHEES ST BRIDGE AND MAY ST & ROGERS ST RECONSTRUCTION SUMMARY OF QUANTITIES	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TJD	REVISED -			6999	08-00330-02-PV	VERMILION	79	7
$MODEL_NAME$	PLOT SCALE = 2.000 ' / in.	CHECKED - AWM	REVISED -					CONTRACT NO. 91567		
	PLOT DATE = 12/13/2017	DATE -	REVISED -		SCALE: NONE SHEET 5 OF 7 SHEETS STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT SHBHT421		

					CONSTRUCTION CODE	
					100% LOCAL	80% FEDERAL 20% STATE
					ROADWAY	BRIDGE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY		0004	0010
					URBAN	092-7211
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1		1	
60240310	INLETS, TYPE B, TYPE 11 FRAME AND GRATE	EACH	1		1	
60255500	MANHOLES TO BE ADJUSTED	EACH	4		3	1
60500040	REMOVING MANHOLES	EACH	3		3	
60500060	REMOVING INLETS	EACH	9		9	
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	907		856	51
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2			2
67100100	MOBILIZATION	L SUM	1		0.5	0.5
△ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	57			57
△ 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	222		222	
△ 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	38		38	
△ 02003772	EVERGREEN, THUJA OCCIDENTALIS (AMERICAN ARBORVITAE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	21			21
△ • XD323117	LANDSCAPING GRAVEL	SQ YD	70			70
• X2110104	TOPSOIL FURNISH AND PLACE, 4" (SPECIAL)	SQ YD	1338		1338	

• SEE SPECIAL PROVISIONS

△ SPECIALTY ITEMS

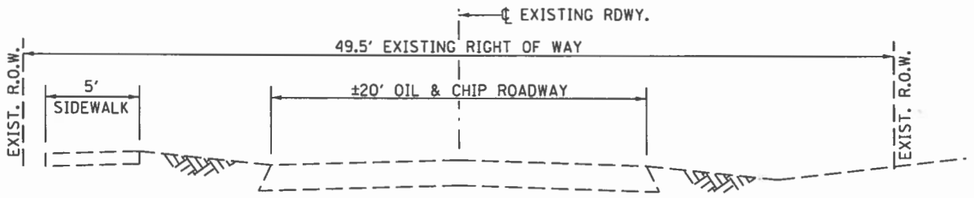
FILE NAME = 3999-sht-SD06.dgn	USER NAME = JDean	DESIGNED - AWM	REVISED -	CITY OF DANVILLE	VOORHEES ST BRIDGE AND MAY ST & ROGERS ST RECONSTRUCTION SUMMARY OF QUANTITIES	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TJD	REVISED -			6999	08-00330-02-PV	VERMILION	79	8
	PLOT SCALE = 2.8888 ' / in.	CHECKED - AWM	REVISED -					CONTRACT NO. 91567		
$MODELNAME$	PLOT DATE = 12/13/2017	DATE -	REVISED -		SCALE: NONE SHEET 6 OF 7 SHEETS STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT SHSBI(42)		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 100% LOCAL ROADWAY 0004 URBAN	CONSTRUCTION CODE 80% FEDERAL 20% STATE BRIDGE 0010 092-7211
*	X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	50	50	
*	X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	120		120
*	X6062400	CONCRETE GUTTER (SPECIAL)	FOOT	786	786	
△ *	X6640304	CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED	FOOT	50		50
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.5	0.5
*	Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	36		36
*	Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	47		47
*	Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	2		2
*	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	76		76
*	Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	340	340	
*	Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	294	294	
*	Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	34	34	
*	Z0065000	SETTING PILES IN ROCK	EACH	14		14

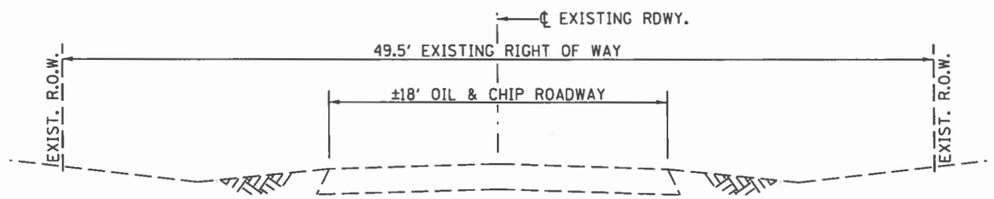
* SEE SPECIAL PROVISIONS

△ SPECIALTY ITEMS

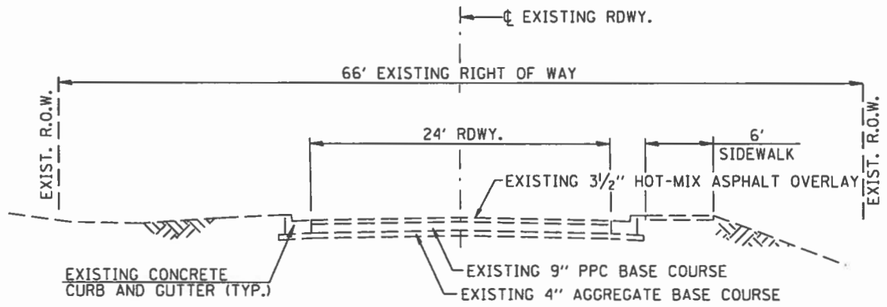
FILE NAME = 3999-sht-S007.dgn	USER NAME = JDean	DESIGNED - AWM	REVISED -	CITY OF DANVILLE	VOORHEES ST BRIDGE AND MAY ST & ROGERS ST RECONSTRUCTION SUMMARY OF QUANTITIES	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TJD	REVISED -			6999	08-00330-02-PV	VERMILION	79	9
	PLOT SCALE = 2.8808 ' / in.	CHECKED - AWM	REVISED -					CONTRACT NO. 91567		
$MODELNAME$	PLOT DATE = 12/13/2017	DATE -	REVISED -		SCALE: NONE SHEET 7 OF 7 SHEETS STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT SN88(142)		



MAY STREET
EXISTING TYPICAL SECTION



ROGERS STREET
EXISTING TYPICAL SECTION



VOORHEES STREET
EXISTING TYPICAL SECTION

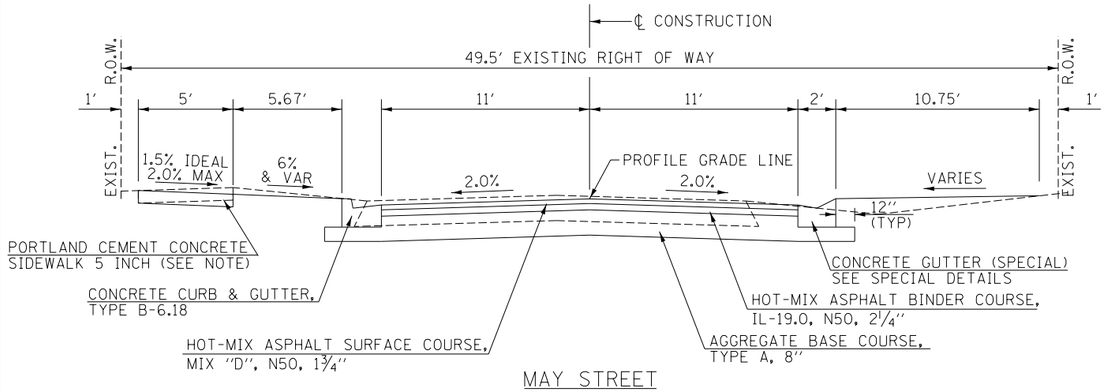
FILE NAME = 3999sht-ExTyp.dgn	USER NAME = JDean	DESIGNED - AWM/BAN	REVISED -
		DRAWN - TJD/CET	REVISED -
⊕MODELNAME⊕	PLOT SCALE = 2.0000 ' / in.	CHECKED - AWM/BAN	REVISED -
	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

VOORHEES ST BRIDGE AND MAY ST & ROGERS ST RECONSTRUCTION
EXISTING TYPICAL SECTIONS

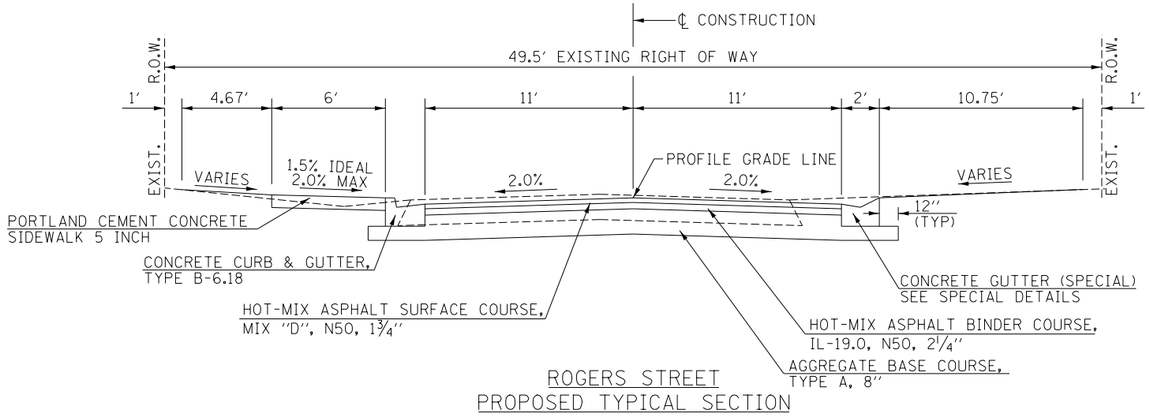
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	10
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBI(T42)			

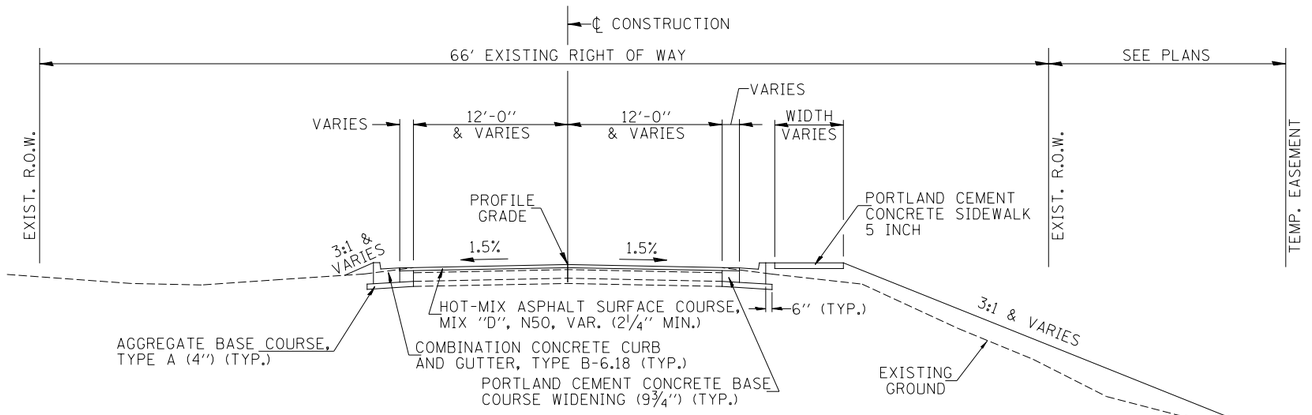


MAY STREET
PROPOSED TYPICAL SECTION

NOTE:
USE EXISTING SIDEWALK IN
AREAS SHOWN ON PLAN.



ROGERS STREET
PROPOSED TYPICAL SECTION



VOORHEES STREET
PROPOSED TYPICAL SECTION

STA. 18+83.17 TO STA. 19+03.17
STA. 20+92.17 TO STA. 21+12.17

BRIDGE OMISSION
STA. 19+49.17 TO STA. 20+52.17

BRIDGE APPROACH PAVEMENT
STA. 19+13.17 TO STA. 19+49.17
STA. 20+52.17 TO STA. 20+82.17

BRIDGE APPROACH CONNECTOR
STA. 19+03.17 TO STA. 19+13.17
STA. 20+82.17 TO STA. 20+92.17

FILE NAME = 3999sht-PrTyp.dgn	USER NAME = bborgman	DESIGNED - AWM/BAN	REVISED -
		DRAWN - TJD/CET	REVISED -
$MODELNAME$	PLOT SCALE = 2.0000 ′ / in.	CHECKED - AWM/BAN	REVISED -
	PLOT DATE = 1/31/2018	DATE -	REVISED -

CITY OF DANVILLE

VOORHEES ST BRIDGE AND MAY ST & ROGERS ST RECONSTRUCTION
PROPOSED TYPICAL SECTIONS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. N/A | TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	11
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBB(742)			

EARTHWORK

LOCATION	20200100 EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE •	EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD			
MAY ST	1,210.8	968.6	12.0	956.6
ROGERS ST	215.2	172.2	0.0	172.2
TOTAL	1,426.0	1,140.8	12.0	1,128.8
USE	1,426	1,141	12	1,129

• SHRINKAGE FACTOR = 20%

SEEDING

STATION TO STATION		X2110104 TOPSOIL FURNISH AND PLACE, 4" (SPECIAL)	25000200 SEEDING, CLASS 2	25000400 NITROGEN	25000500 PHOSPHORUS	25000600 POTASSIUM	25100125 MULCH, METHOD 3	28000250 TEMPORARY EROSION CONTROL SEEDING
				FERTILIZER NUTRIENT				
		SQ YD	ACRE	POUND			ACRE	POUND
ROGERS ST								
602+72.83	604+45.06	222.30	0.06	5.4	5.4	5.4	0.06	6.0
MAY ST								
13+18.66	16+75.60	609.40	0.15	13.2	13.2	13.2	0.15	14.7
16+96.40	19+84.99	506.00	0.12	10.6	10.6	10.6	0.12	11.8
COLLETT ST RT			0.04	3.7	3.7	3.7	0.04	4.1
VOORHEES ST								
18+83.17	21+12.17		0.25	18.0	18.0	18.0	0.25	200.0
TOTAL		1337.7	0.62	50.9	50.9	50.9	0.62	236.5
USE		1338	0.75	51	51	51	0.75	237

PERIMETER EROSION BARRIER

STATION TO STATION		28000400 PERIMETER EROSION BARRIER
		FOOT
MAY ST		
13+24.05	13+47.09	26.6
13+24.43	13+34.55	27.1
19+48.08	19+69.09	25.5
TOTAL		79.2
USE		80

INLET AND PIPE PROTECTION

STATION	OFFSET	SIDE	28000500 INLET AND PIPE PROTECTION	28000510 INLET FILTERS
	FOOT		EACH	
ROGERS ST				
603+90.00	12.00	RT	1	1
603+90.00	12.00	LT	1	1
MAY ST				
13+66.21	12.00	LT	1	1
14+05.00	19.65	RT	1	1
16+69.94	45.00	RT	1	1
16+70.27	47.01	LT	1	1
16+99.29	46.97	LT	1	1
16+97.94	47.00	RT	1	1
16+99.77	18.66	RT	1	1
17+08.84	13.27	LT	1	1
19+75.00	32.00	LT	1	1
19+76.96	31.01	RT	1	1
TOTAL			12	12
USE			12	12

STONE RIPRAP, CLASS A4

STATION TO STATION		SIDE	WIDTH	LENGTH	28100107 STONE RIPRAP, CLASS A4	28200200 FILTER FABRIC
			FT		SQ YD	
MAY ST						
13+36.2	13+46.2	LT	10	17.4	19.3	19.3
VOORHEES ST						
SEE STRUCTURE PLANS					95.0	95.0
TOTAL					114.3	114.3
USE					115	115

PAVEMENT SCHEDULE

STATION TO STATION		35100700 AGGREGATE BASE COURSE, TYPE A, 8"	40600275 BITUMINOUS MATERIALS PRIME COAT	40600290 BITUMINOUS MATERIALS TACK COAT	40603080 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	40603335 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
		SQ YD	POUND		TON	
ROGERS ST						
602+80.33	604+18.71	430.6	761.1	76.1	42.6	33.1
MAY ST						
13+46.16	14+28.20	410.1	779.2	77.9	43.6	33.9
14+28.20	16+52.16	696.8	1231.8	123.2	69.0	53.7
16+52.16	17+15.62	446.9	860.1	86.0	48.2	37.5
17+15.62	19+46.75	719.0	1271.2	127.1	71.2	55.4
19+46.75	20+11.54	391.4	756.2	75.6	42.3	32.9
TOTAL		3094.9	5659.5	565.9	316.9	246.5
USE		3095	5660	566	317	247

ENTRANCE SCHEDULE

LOCATION	42001300 PROTECTIVE COAT	40200500 AGGREGATE SURFACE COURSE, TYPE A 6"	42300200 PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 6"
	SQ YD		
ROGERS ST			
603+00.76 RT	10.1		10.1
603+05.76 LT	6.9		6.9
603+30.61 LT	5.7		5.7
603+44.83 RT	18.2		18.2
603+89.98 RT	16.9		16.9
MAY ST			
13+36.12		38.0	
15+08.33 RT	16.9		16.9
15+28.97 RT	18.2		18.2
16+14.39 LT	7.9		7.9
17+63.71 RT	14.3		14.3
17+68.97 LT	8.4		8.4
18+56.67 RT	23.3		23.3
18+21.7 LT	8.2		8.2
18+36.18 RT	18.0		18.0
18+37.32 LT	9.7		9.7
TOTAL	182.6	38.0	182.6
USE	183	38	183

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

STATION TO STATION		SIDE	WIDTH	42001300 PROTECTIVE COAT	42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
				SQ YD	SQ FT
ROGERS ST					
600+30.28	604+55.64	LT	6'	288.2	2593.8
MAY ST					
13+54.09	13+65.53	LT	6'	11.1	100.0
13+65.58	15+06.00	LT	5'	77.9	701.1
16+25.00	16+55.51	LT	5'	16.9	151.9
16+55.51	16+70.41	LT	6'	13.7	123.7
16+58.88	16+64.89	RT	5'-6'	8.4	76.0
16+99.02	17+13.35	LT	6'	16.4	147.3
17+01.39	17+07.4	RT	5'-6'	8.5	76.8
17+13.35	17+50.00	LT	5'	20.3	183.0
18+26.51	19+56.56	LT	5'	72.2	649.8
19+56.56	19+73.74	LT	6'	8.9	80.0
TOTAL				542.6	4883.4
USE				543	4884

LINEAR DETECTABLE WARNING

STATION TO STATION		OFFSET TO OFFSET		SIDE	42400800 DETECTABLE WARNINGS
					SQ FT
MAY ST					
13+54.59	13+59.59	13.08	15.08	LT	10.0
16+59.38	16+64.38	17.80	19.80	RT	10.0
17+01.91	17+06.91	17.83	19.83	RT	10.0
TOTAL					30.0
USE					30

RADIAL DETECTABLE WARNING

LOCATION	OUTER RADIUS	INNER RADIUS	OUTER ARC LENGTH	INNER ARC LENGTH	42400800 DETECTABLE WARNINGS
	FOOT				SQ FT
ROGERS ST & MAY ST					
SW CORNER	17.92	15.92	7.52	6.68	14.20
BALDWIN ST & MAY ST					
NW CORNER	17.92	15.92	12.66	9.36	22.03
NE CORNER	17.92	15.92	11.95	8.65	20.61
COLLETT ST & MAY ST					
NW CORNER	32.92	35.92	9.11	8.16	17.19
TOTAL					74.03
USE					75

ENTRANCE AND SIDEWALK REMOVAL

STATION TO STATION		SIDE	44000200 DRIVEWAY PAVEMENT REMOVAL	44000600 SIDEWALK REMOVAL
			SQ YD	SQ FT
ROGERS ST				
600+30.28	600+35.07	LT		3.5
603+25.18	603+34.44	LT	5.2	
MAY ST				
14+18.91	14+36.33	LT	4.6	
14+29.99	14+32.60	RT		19.9
14+37.75	15+06.00	LT		225.3
15+13.93	15+21.82	RT		64.6
16+25.00	16+66.54	LT		231.0
16+61.12	16+65.88	RT		24.6
17+02.5	17+07.48	RT		31.2
17+02.37	17+50.00	LT		289.0
17+74.59	17+84.67	LT		23.2
TOTAL			9.8	912.4
USE			10	913

PIPE CULVERT REMOVAL

STATION TO STATION		SIDE	50105220 PIPE CULVERT REMOVAL
			FOOT
MAY ST			
16+04.29	16+42.30	LT	38.1
TOTAL			38.1
USE			39

FILE NAME = 3999-sht-Schedule01.dgn	USER NAME = bborgman	DESIGNED - AWM	REVISED -
		DRAWN - TJD	REVISED -
$MODELNAME$	PLOT SCALE = 2.0000 ' / in.	CHECKED - AWM	REVISED -
	PLOT DATE = 1/31/2018	DATE -	REVISED -

CITY OF DANVILLE

MAY ST & ROGERS ST RECONSTRUCTION
SCHEDULES OF QUANTITIES

SCALE: NONE | SHEET 1 OF 3 SHEETS | STA. N/A | TO STA.N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	12
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBB(742)			

STORM SEWER REMOVAL

STATION TO STATION		20800150	55100200	55100400	55100500	55100700	55100900	60500040	60500060
		TRENCH BACKFILL	STORM SEWER REMOVAL					REMOVING MANHOLES	REMOVING INLETS
		CU YD	6"	10"	12"	15"	18"	EACH	
ROGERS ST									
604+44.44	604+67.13	5.7		24.8				1	1
604+43.71	604+67.13	4.1	27.0						1
MAY ST									
13+67.38	13+77.63	11.6		16.0					1
16+71.38	16+93.41	9.2			30.1				1
16+92.79	16+93.41	34.3					41.8		
16+93.41	16+96.96	15.3			36.7				1
16+93.41	16+97.78	4.3			20.7				1
16+95.54	17+11.71	5.0			16.3				1
16+93.41	19+97.99	5.1					302.6	2	
19+77.66	19+97.99	7.9				21.3			1
19+76.42	19+97.99	11.9				34.5			1
TOTAL		114.4	27.0	40.8	103.8	55.8	344.4	3	9
USE		115	27	41	104	56	345	3	9

PAINT PAVEMENT MARKING

STATION TO STATION		SIDE	78001130	78001180
			PAINT PAVEMENT MARKING - LINE	
			6" (WHITE SOLID)	24" (WHITE SOLID)
			FOOT	
MAY ST				
13+53.85		LT/RT	23.5	
13+60.35		LT/RT	27.9	
16+59.42		LT/RT	24.4	
16+65.93		LT/RT	32.2	
16+68.70		LT	31.6	
16+72.54		LT	24.2	
16+73.59		LT		11.1
16+83.18		RT		14.4
17+01.09		LT/RT	32.7	
17+07.59		LT/RT	24.6	
19+72.49		RT		12.3
TOTAL			221.1	37.8
USE			222	38

ADJUSTMENT ITEMS

STATION	OFFSET	SIDE	56109210	56400100	56400300	56500300	60255500
			WATER VALVES TO BE ADJUSTED	FIRE HYDRANTS		DOMESTIC METER VAULTS TO BE ADJUSTED	MANHOLES TO BE ADJUSTED
				TO BE MOVED	TO BE ADJUSTED		
	FOOT		EACH	EACH	EACH	EACH	EACH
ROGERS ST							
603+13.83	17.6	LT			1		
603+17.23	18.2	LT	1				
603+42.16	20.3	RT				1	
MAY ST							
14+62.04	17.0	RT				1	
15+26.12	23.2	LT				1	
15+31.99	0.2	RT					1
16+58.52	7.3	LT	1				
16+69.53	26.4	LT			1		
16+76.46	23.6	LT	1				
16+81.08	0.9	LT					1
16+97.66	43.6	RT				1	
18+36.56	0.4	RT					1
19+73.22	23.6	LT		1			
19+87.36	27.6	LT	1				
19+89.43	14.3	LT	1				
TOTAL			5	1	2	4	3
USE			5	1	2	4	3

STORM SEWER SCHEDULE

STATION	OFFSET	SIDE	TYPE	STANDARD AND DESIGN NUMBER	20800150	60218400	60221100	60221800	60222000	60236200	60236600	60236800	60240301	60240310	Z0056608	Z0056612	Z0056616
					TRENCH BACKFILL	MANHOLES				INLETS					STORM SEWER		
						4'	5'			TYPE A			TYPE B		WATER MAIN REQUIREMENTS		
						A-1-C	A-1-C	A-9	A-11	A-8	A-9	A-11	B-8	B-11	12"	18"	24"
	FOOT				CU YD	EACH									FOOT		
ROGERS ST																	
603+90.00	12.00	RT	INLET	602301, 604041							1						
			SS		2.9										22		
603+90.00	12.50	LT	INLET	602306, 604051										1			
			SS		17.5										90		
604+50.10	27.86	RT	INLET	602301, 604041							1						
			SS		6.3										48		
MAY ST																	
13+66.21	12.50	LT	MH	602401, 602601, 602701, 604051					1								
16+70.03	44.99	RT	INLET	602301, 604041						1							
			SS		4.7										20		
16+92.86	47.00	RT	MH	602401, 602601, 602701, 604001			1										
			SS		0.4										2		
16+98.03	46.99	RT	INLET	602301, 604036						1							
16+70.22	47.04	LT	INLET	602301, 604036						1							
			SS		3.7										28		
16+99.22	46.96	LT	INLET	602306, 604036									1				
			SS		5.2										34		
17+00.00	12.00	LT	MH	602401, 602601, 602701, 604001		1											
			SS		3.4										16		
17+00.00	7.26	RT	MH	602401, 602601, 602701, 604001			1										
			SS		2.4												8
16+99.80	18.63	RT	MH	602401, 602601, 602701, 604041				1									
			SS		7.1												26
17+09.02	13.74	LT	INLET	602301, 604051								1					
			SS		0.8										6		
19+75.03	32.01	LT	INLET	602301, 604036						1							
			SS		8.0										46		
19+76.96	31.00	RT	INLET	602301, 604036						1							
			SS		3.7										28		
19+97.99	10.13	RT	MH	602401, 602601, 602701, 604001			1										
			SS		233.1											294	
TOTAL					299.2	1	3	1	1	5	2	1	1	1	340	294	34
USE					300	1	3	1	1	5	2	1	1	1	340	294	34

CONCRETE CURB & GUTTER SCHEDULE

STATION TO STATION		SIDE	42001300	60604400	X6062399
			PROTECTIVE COAT	CONCRETE CURB & GUTTER, TYPE B-6.18	CONCRETE GUTTER (SPECIAL)
			SQ YD	FOOT	FOOT
ROGERS ST					
602+80.33	604+38.84	LT	44.0	158.5	
602+80.33	604+18.71	RT	30.7		138.4
MAY ST					
13+46.16	13+65.16	RT	8.1	29.0	
13+46.16	16+53.72	LT	85.4	307.6	
13+89.2	14+28.2	RT	13.6		61.3
14+28.2	16+52.16	RT	49.8		224.0
16+52.16	16+71.16	RT	6.6		29.8
16+66.84	16+71.16	RT	2.1		9.4
16+53.72	16+72.72	LT	8.1	29.0	
16+69.02	16+72.72	LT	3.3	11.8	
16+96.72	17+00.46	LT	3.3	11.7	
17+00.052	17+15.62	LT	8.1	29.0	
16+95.16	16+98.92	RT	2.1		9.4
16+95.16	17+14.14	RT	6.6		29.9
17+14.14	19+67.54	RT	56.3		253.4
17+15.62	19+46.75	LT	64.2	231.1	
19+46.75	19+83.63	LT	13.3	47.7	
19+67.54	19+86.54	RT	6.6		29.9
TOTAL			412.3	855.4	785.3
USE			413	856	786

STORM SEWERS TO BE CLEANED 12"

LOCATION	SIDE	X5537800
		STORM SEWERS TO BE CLEANED 12"
		FOOT
MAY ST		
FROM EXISTING INLET AT STA 13+67.4 LT TO OUTFALL TO THE NORTHWEST	LT	50
TOTAL		50

TREE REMOVAL

STATION	OFFSET	SIDE	20100110 6 TO 15 UNITS	20100210 OVER 15 UNITS
18+96	80'	RIGHT	8	
19+00	66'	RIGHT	8	
19+00	76'	RIGHT	6	
19+06	22'	RIGHT	10	
19+06	23'	RIGHT	10	
19+09	22'	RIGHT	6	
19+11	52'	RIGHT	6	
19+16	36'	RIGHT	6	
19+17	23'	RIGHT	9	
19+23	55'	RIGHT	8	
19+27	25'	RIGHT	14	
19+28	23'	RIGHT		18
19+44	73'	RIGHT	8	
19+46	46'	RIGHT	12	
19+51	39'	RIGHT	12	
19+71	27'	RIGHT	8	
		TOTAL	131	18

EARTHWORK SUMMARY

STATION TO STATION		20200100 EARTH EXCAVATION CU YD	50200100 STRUCTURE EXCAVATION CU YD	FILL CU YD	20400800 WASTE (SHORTAGE) CU YD
RDWY 18+83.17 - 19+49.17		57		501	(458)
RDWY 20+52.17 - 21+12.17		63		4	43
CHANNEL					
STRUCTURE			415		
COFFERDAM					
	TOTAL	120	415	505	(415)
	USE	120	415	-	(415)

(@ 25% SHRINKAGE)

PERIMETER EROSION BARRIER

STATION TO STATION	SIDE	28000400 FOOT
18+83 - 19+49	RIGHT	195
19+00 - 19+49	LEFT	55
20+52 - 21+12	LEFT	65
20+52 - 21+92	RIGHT	150
	TOTAL	465

AGGREGATE BASE COURSE, TYPE A

STATION TO STATION	SIDE	THICKNESS	WIDTH	LENGTH	35100100 TON
18+95.00 - 19+13.17	RIGHT	0.33'	3.44' AVG.	18.17'	1
19+00.00 - 19+13.17	LEFT	0.33'	2.88' AVG.	13.17'	1
20+82.17 - 21+12.17	LEFT	0.33'	3.18' AVG.	30.00'	2
20+82.17 - 21+12.17	RIGHT	0.33'	3.57' AVG.	30.00'	3
				TOTAL	7

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

STATION TO STATION	WIDTH	LENGTH	44000158 SQ YD
18+83.17 - 19+03.17	24.81' AVG.	20.00'	55
20+92.17 - 21+12.17	24.15' AVG.	20.00'	54
		TOTAL	109

MANHOLES TO BE ADJUSTED

STATION	OFFSET	SIDE	60255500 EACH
18+89	16'	RIGHT	1
		TOTAL	1

PORTLAND CEMENT BASE COURSE WIDENING 9 3/4"

STATION TO STATION	SIDE	WIDTH	LENGTH	35400475 SQ YD
18+95.00 - 19+03.17	RIGHT	0.37' AVG.	8.17'	1
19+00.00 - 19+03.17	LEFT	0.09' AVG.	3.17'	1
20+92.17 - 21+12.17	LEFT	0.62' AVG.	20.00'	1
20+92.17 - 21+12.17'	RIGHT	0.73' AVG.	20.00'	2
			TOTAL	5

PAVEMENT SCHEDULE

STATION TO STATION	WIDTH	LENGTH	40600290 TACK COAT POUND 0.05 LBS/SQ FT	40603335 HOT-MIX ASPHALT SURF CSE TON 112#/SQ YD/IN	42000080 PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB SQ YD
18+83.17 - 19+03.17	24.82' AVG.	20.00'	25	7	
19+03.17 - 19+13.17	26.84' AVG.	10.00'			30
20+82.17 - 20+92.17	27.12' AVG.	10.00'			30
20+92.17 - 21+12.17	24.12' AVG.	20.00'	25	7	
		TOTAL	50	14	60

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

STATION TO STATION	SIDE	WIDTH	LENGTH	42400200 SQ FT
18+83.17 - 19+13.17	RIGHT	VARIES	30.00'	238
20+82.17 - 21+91.89	RIGHT	9' & VAR.	139.72'	940
			TOTAL	1,178

PAVEMENT REMOVAL

STATION TO STATION	WIDTH	LENGTH	44000100 SQ YD
19+03.17 - 19+60.42	VARIES	57.25'	173
20+40.92 - 20+92.17	VARIES	51.25'	156
		TOTAL	329

COMBINATION CONCRETE CURB AND GUTTER REMOVAL

STATION TO STATION	SIDE	44000500 FOOT
18+95 - 19+40	RIGHT	45
19+00 - 19+37	LEFT	37
20+68 - 21+12	LEFT	44
20+61 - 21+12	RIGHT	51
	TOTAL	177

SIDEWALK REMOVAL

STATION TO STATION	SIDE	WIDTH	LENGTH	44000600 SQ FT
18+83.17 - 19+60.43	RIGHT	VARIES	77.26'	300
19+36.91 - 19+60.43	LEFT	2.16' AVG.	23.52'	51
20+40.84 - 20+67.24	LEFT	2.09' AVG.	26.40'	55
20+40.84 - 21+91.77	RIGHT	VARIES	150.93'	850
			TOTAL	1,256

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

STATION TO STATION	SIDE	60604400 FOOT
18+87 - 18+89	RIGHT	2
19+00 - 19+13	LEFT	13
21+06 - 21+12	LEFT	6
20+82 - 21+12	RIGHT	30
	TOTAL	51

PAINT PAVEMENT MARKING - LINE 4"

STATION TO STATION	SIDE	DESCRIPTION	78001110 FOOT
18+83.17 - 21+12.17	℄	YELLOW SKIP DASH	57
		TOTAL	57

CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED

STATION TO STATION	SIDE	X6640304 FOOT
18+83 - 19+31	RIGHT	50
	TOTAL	50

EVERGREEN, THUJA ACCIDENTALIS (AMERICAN ABBORVITAE), 6' HEIGHT, BALLED AND BURLAPPED

STATION TO STATION	SIDE	D2003772 EACH
19+13	LEFT	1
19+13	RIGHT	1
20+75	LEFT	1
20+75	RIGHT	1
20+80 - 21+75	LEFT	17
	TOTAL	21

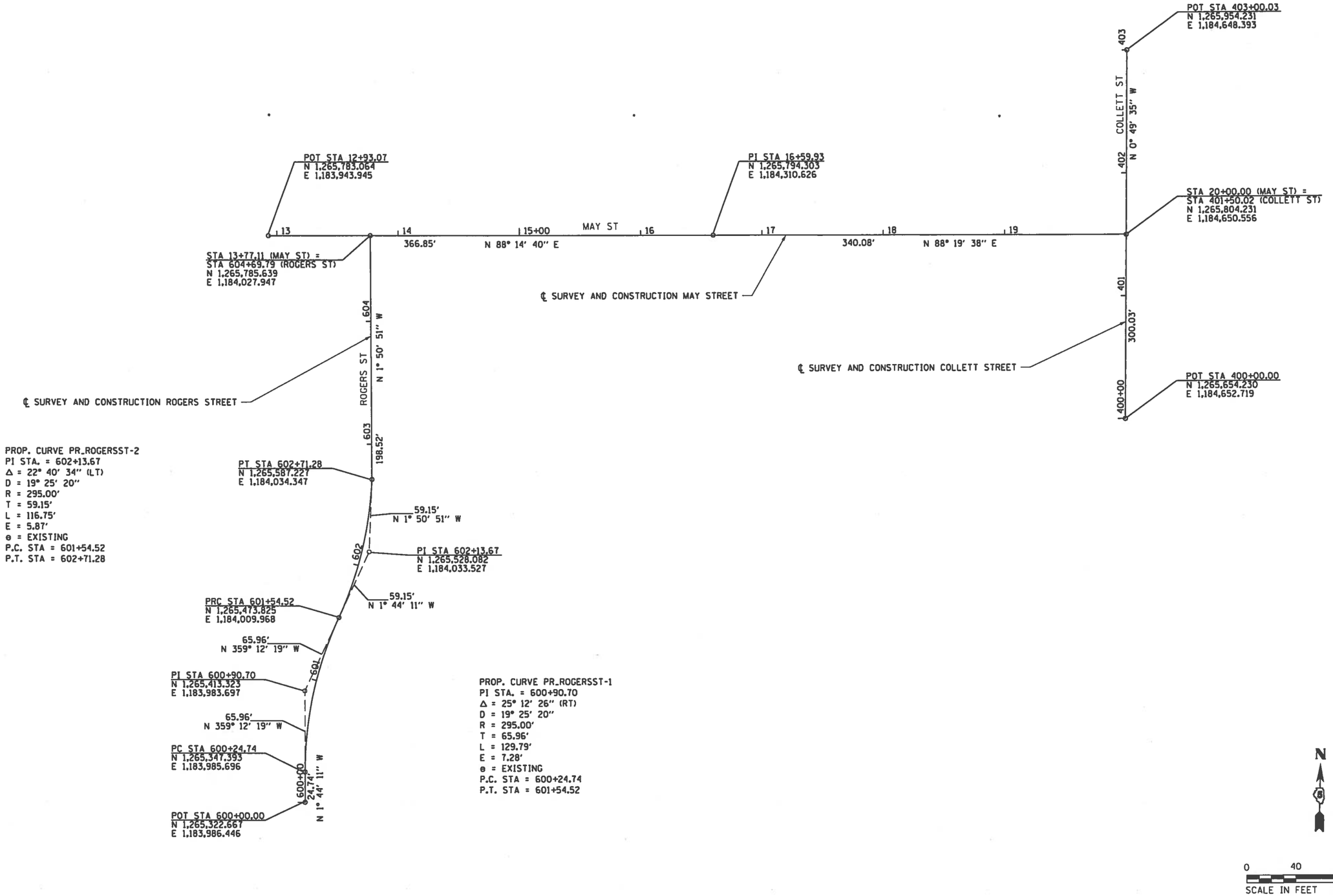
LANDSCAPING GRAVEL

STATION TO STATION	SIDE	WIDTH	LENGTH	X0323117 SQ YD
20+74 - 21+79	LEFT	6'	105'	70
			TOTAL	70

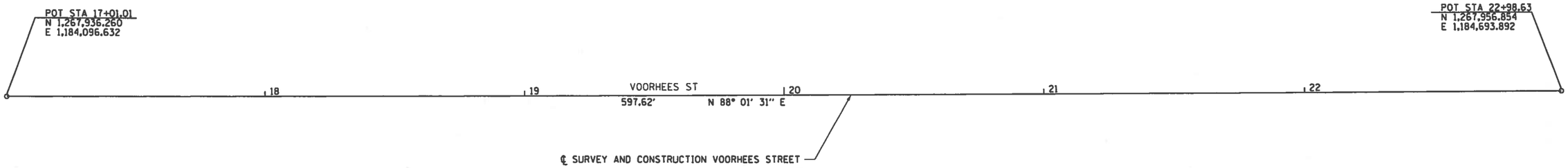
FILE NAME = 3999-sht-VoorheesG01.dgn	USER NAME = bborgman	DESIGNED - BAN	REVISED -	CITY OF DANVILLE	VOORHEES ST OVER STONEY CREEK SCHEDULES OF QUANTITIES
		DRAWN - CET	REVISED -		
$MODELNAME$	PLOT SCALE = 2.0000 ' / in.	CHECKED - BAN/CTM	REVISED -		
	PLOT DATE = 1/31/2018	DATE -	REVISED -		

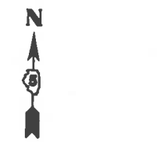
SCALE: NONE	SHEET 3 OF 3 SHEETS	STA. N/A	TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	14
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBB(742)			



FILE NAME = 3999-sht-Align2.dgn =MODEL NAME=	USER NAME = JDeen	DESIGNED - AWM	REVISED -	CITY OF DANVILLE	MAY ST & ROGERS ST RECONSTRUCTION ALIGNMENT PLAN	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JCW	REVISED -			6999	08-00330-02-PV	VERMILION	79	15
	PLOT SCALE = 80.0000 ' / in.	CHECKED - AWM	REVISED -					CONTRACT NO. 91567		
	PLOT DATE = 12/13/2017	DATE -	REVISED -		SCALE: 1"=40' SHEET 1 OF 2 SHEETS STA. 12+93.07 TO STA. 20+00.00			ILLINOIS FED. AID PROJECT SHBI(42)		





0 20 40 60
SCALE IN FEET

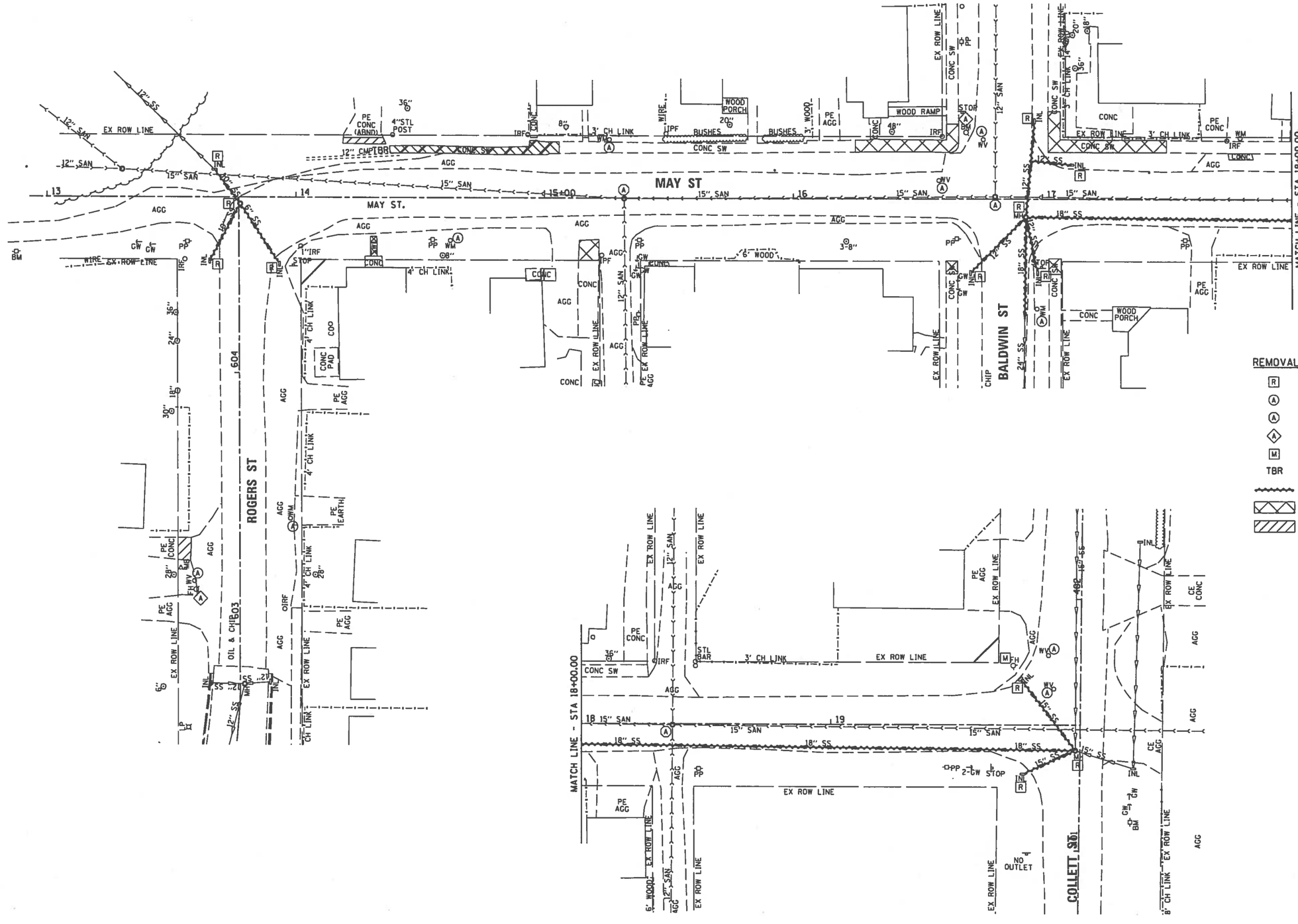
FILE NAME = 3999-sht-Align1.dgn	USER NAME = JDean	DESIGNED - BAN	REVISED -
		DRAWN - CET	REVISED -
#MODELNAME#	PLOT SCALE = 48.0000 '/ in.	CHECKED - BAN/CTM	REVISED -
	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

VOORHEES ST OVER STONEY CREEK
ALIGNMENT PLAN

SCALE: 1"=20' | SHEET 2 OF 2 SHEETS | STA. 17+01.01 TO STA. 22+98.63

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	16
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBBIT42)			



FILE NAME = 3999-sht-Removal.dgn	USER NAME = JDean	DESIGNED - AWM	REVISED -
		DRAWN - TJD	REVISED -
⊕MODELNAME⊕	PLOT SCALE = 40.0000 ' / in.	CHECKED - AWM	REVISED -
	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

MAY ST & ROGERS ST RECONSTRUCTION
REMOVAL AND ADJUSTMENT PLAN

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 12+93.07 TO STA. 20+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	17
		CONTRACT NO. 91567		
		ILLINOIS FED. AID PROJECT SHBI(142)		

PLAN | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | NOTE BOOK | NO. | BY | DATE

POT STA 13+77.11 (MAY ST) =
POT STA 604+69.79 (ROGERS ST)

PROPOSED STONE RIPRAP, CL A4
AND FILTER FABRIC, 20 SQ YD

MAY STREET
BEGINS
STATION 13+46.16

POT STA 12+93.07

BM #20

GRADE ENTRANCE TO
DRAIN TOWARDS RIPRAP
PROTECTED AREA

PROPOSED AGGREGATE
SURFACE COURSE, TYPE A, 6"
38 SQ YD

PROPOSED LIMITS
OF CONSTRUCTION

PROPOSED CONCRETE CURB &
GUTTER, TYPE B-6.18

PROPOSED PORTLAND CEMENT
CONCRETE SIDEWALK 5 INCH

STA 15+16.33 - CURB NOTCH

PROPOSED PORTLAND CEMENT
CONCRETE DRIVEWAY PAVEMENT,
6 INCH (TYP)

℄ CONSTRUCTION
MAY STREET

PROPOSED LIMITS
OF CONSTRUCTION

PROPOSED
ROW LINE

STA 14+11.90
24.75' RT

STA 14+01.92
34.75' RT

PROPOSED CONCRETE
GUTTER (SPECIAL)

PROPOSED PORTLAND CEMENT
CONCRETE DRIVEWAY PAVEMENT,
6 INCH (TYP)

PROPOSED PORTLAND CEMENT
CONCRETE SIDEWALK 5 INCH

PI STA
16+59.93

180°04'58"

90°05'31"

MAY ST.

ROGERS ST.

BALDWIN ST.

OIL & CHIP

MATCH LINE - STA 17+50.00

N

0 20 40 60
SCALE IN FEET

BM #20 - RR SPIKE IN 2nd PP W. OF S.W. QUAD.
OF MAY ST. & ROGERS ST.
STA. 12+87.84, 22' RT.
ELEV. 611.01

BM #21 - CHIS 'X' ON S.S.E. FLNG. BOLT @ N.W.
QUAD OF MAY ST. & BALDWIN ST.
STA. 16+69.48, 26.5' LT.
ELEV. 612.89

PROFILE | SURVEYED | PLOTTED | ALIGNMENT CHECKED | B.M. NOTED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO. | BY | DATE

EXISTING GROUND LINE

PROPOSED PROFILE GRADE LINE

+0.30%

+0.30%

+0.60%

+0.60%

+1.40%

VPI STA. 13+77.11
ELEVATION 609.58

VPI STA. 16+00.00
ELEVATION 610.25

VPI STA. 17+00.00
ELEVATION 610.85

90.00' V.C.

100.00' V.C.

+55.00 EL. 610.11

+50.00 EL. 610.52

+45.00 EL. 610.55

+50.00 EL. 611.55

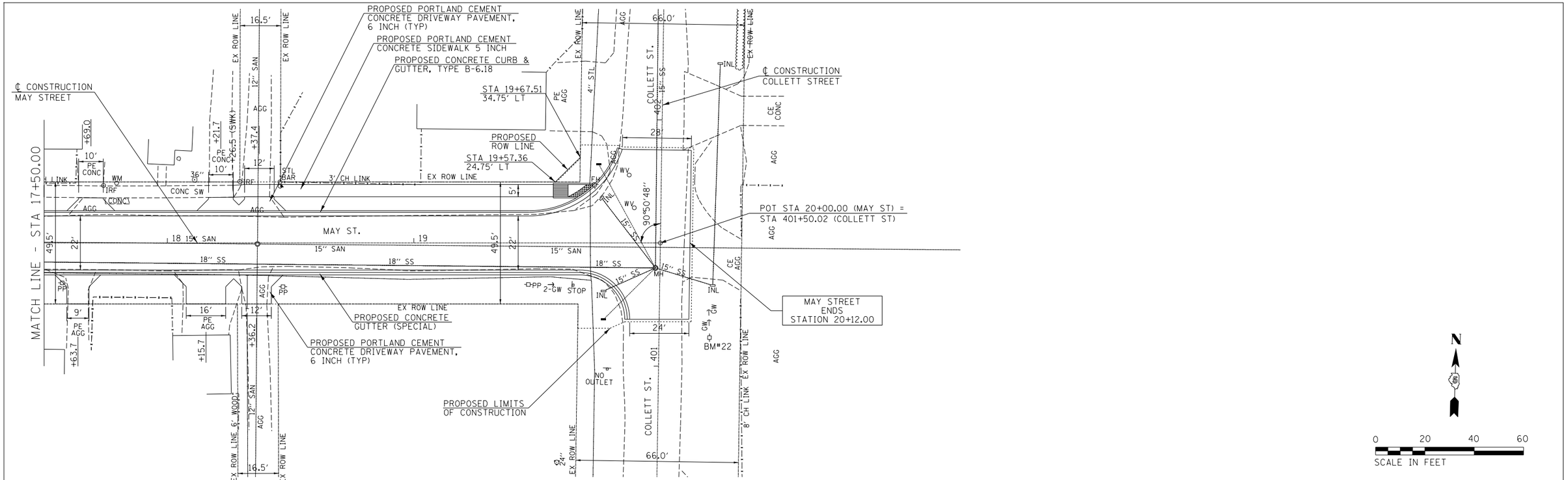
609.49

	13+50		14+00		14+50		15+00		15+50		16+00		16+50		17+00		17+50
(EXIST)	609.83	609.77	609.81	610.05	609.93	609.89	609.93	610.11	610.23	610.39	610.43	610.44	610.49	610.55	610.55	610.69	610.95	611.41	612.17	612.18	611.98	612.01	
(PROP)			609.53	609.59	609.65	609.71	609.77	609.83	609.89	609.95	610.01	610.07	610.13	610.20	610.28	610.38	610.49	610.61	610.76	610.95	611.16	611.41	

618 616 614 612 610 608 606 604 602

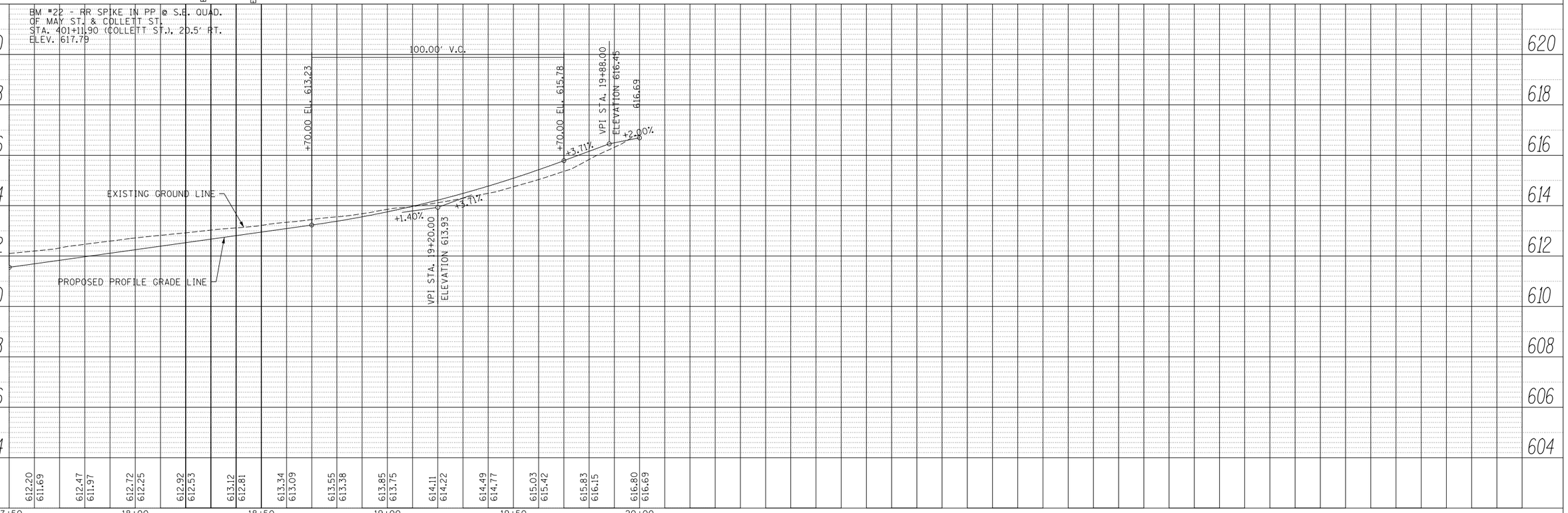
FILE NAME = 3999-sht-MayPP01.dgn	USER NAME = bborgman	DESIGNED - AWM	REVISED -	**CITY OF DANVILLE**	**MAY ST & ROGERS ST RECONSTRUCTION** **MAY ST ROADWAY PLAN & PROFILE**
$MODELNAME$		DRAWN - TJD	REVISED -		SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 12+93.07 TO STA. 17+50.00
	PLOT SCALE = 40.0000 ' / in.	CHECKED - AWM	REVISED -		
	PLOT DATE = 1/31/2018	DATE -	REVISED -		

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	18
		CONTRACT NO. 91567		
		ILLINOIS FED. AID PROJECT SHBB(742)		



0 20 40 60
SCALE IN FEET

BM #22 - RR SPIKE IN PP @ S.E. QUAD. OF MAY ST. & COLLETT ST. STA. 401+11.90 (COLLETT ST.), 20.5' RT. ELEV. 617.79



FILE NAME = 3999-sht-MayPP02.dgn $MODELNAME$	USER NAME = bborgman	DESIGNED - AWM	REVISED -
		DRAWN - TJD	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - AWM	REVISED -
	PLOT DATE = 1/31/2018	DATE -	REVISED -

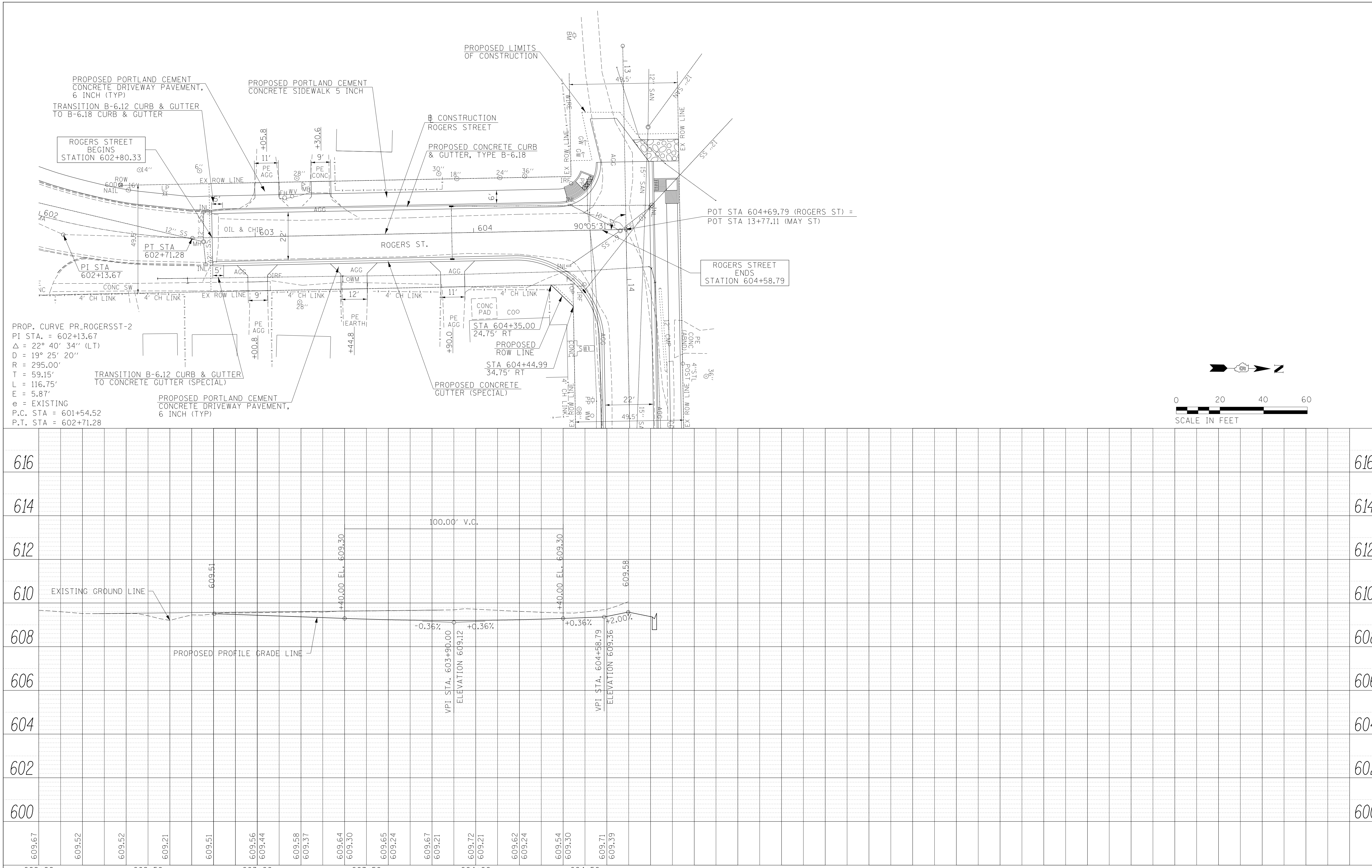
CITY OF DANVILLE

MAY ST & ROGERS ST RECONSTRUCTION
MAY ST ROADWAY PLAN & PROFILE
SCALE: 1"=20' | SHEET 2 OF 3 SHEETS | STA. 17+50.00 TO STA. 20+12.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	19
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBB(742)			

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO.____, BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, BM. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO.____, BY, DATE



PROPOSED LIMITS OF CONSTRUCTION
PROPOSED PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH (TYP)
TRANSITION B-6.12 CURB & GUTTER TO B-6.18 CURB & GUTTER
PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
℄ CONSTRUCTION ROGERS STREET
PROPOSED CONCRETE CURB & GUTTER, TYPE B-6.18
ROGERS STREET BEGINS STATION 602+80.33
EX ROW LINE
ROGERS ST.
OIL & CHIP
603
604
90°05'31"
POT STA 604+69.79 (ROGERS ST) = POT STA 13+77.11 (MAY ST)
ROGERS STREET ENDS STATION 604+58.79
PT STA 602+71.28
PI STA 602+13.67
CONC SW
4' CH LINK
STA 604+35.00 24.75' RT
PROPOSED ROW LINE
STA 604+44.99 34.75' RT
PROP. CURVE PR_ROGERSST-2
PI STA. = 602+13.67
Δ = 22° 40' 34" (LT)
D = 19° 25' 20"
R = 295.00'
T = 59.15'
L = 116.75'
E = 5.87'
e = EXISTING
P.C. STA = 601+54.52
P.T. STA = 602+71.28
TRANSITION B-6.12 CURB & GUTTER TO CONCRETE GUTTER (SPECIAL)
PROPOSED PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH (TYP)
PROPOSED CONCRETE GUTTER (SPECIAL)
SCALE IN FEET
0
20
40
60
100.00' V.C.
EXISTING GROUND LINE
PROPOSED PROFILE GRADE LINE
+40.00 EL. 609.30
-0.36%
+0.36%
+2.00%
VPI STA. 603+90.00 ELEVATION 609.12
VPI STA. 604+58.79 ELEVATION 609.36
616
614
612
610
608
606
604
602
600
602+00
602+50
603+00
603+50
604+00
604+50

FILE NAME = 3999-sht-RogersPP01.dgn	USER NAME = bborgman	DESIGNED - AWM	REVISED -
		DRAWN - TJD	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - AWM	REVISED -
$MODELNAME$	PLOT DATE = 1/31/2018	DATE -	REVISED -

CITY OF DANVILLE

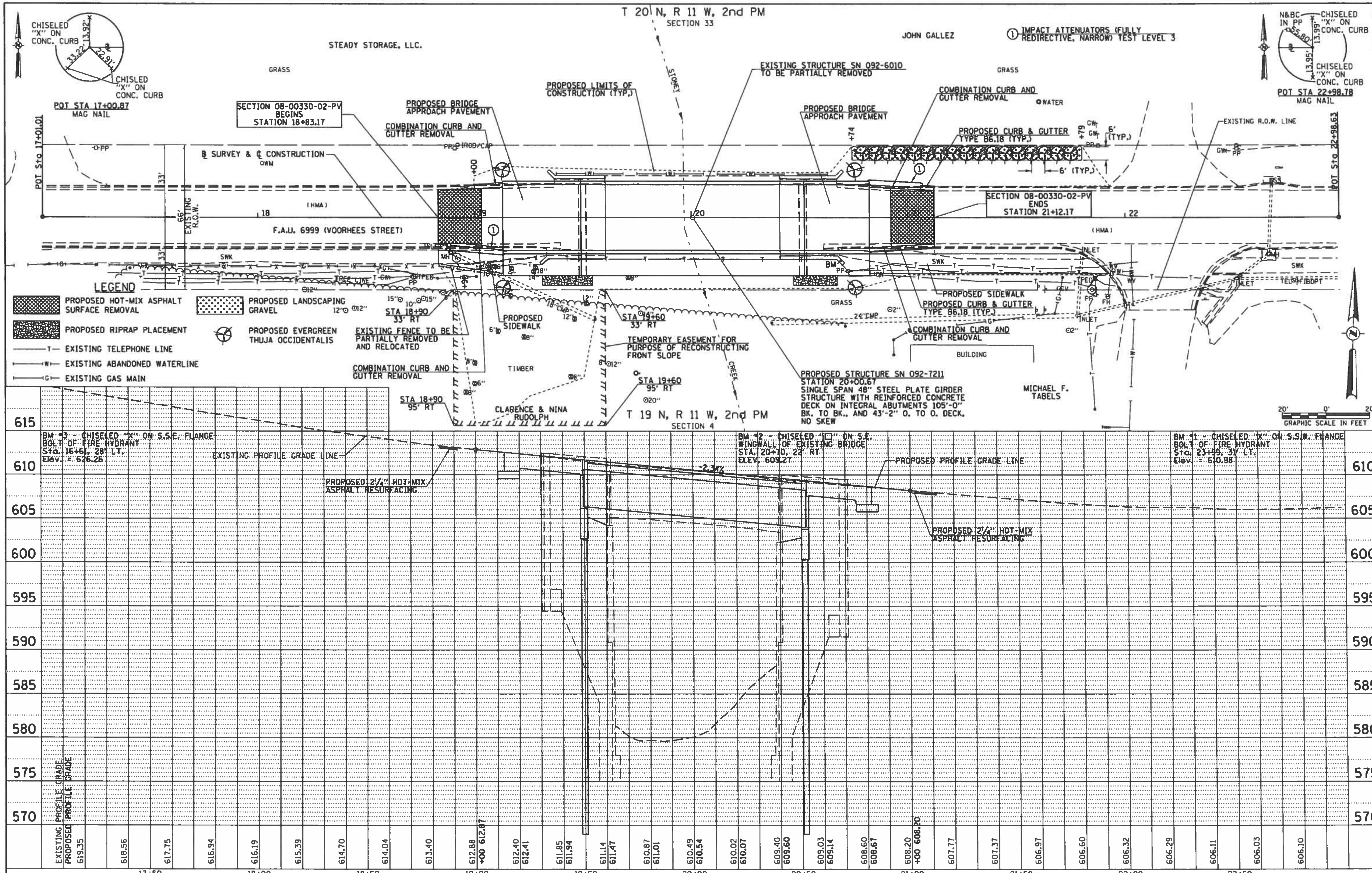
MAY ST & ROGERS ST RECONSTRUCTION
ROGERS ST ROADWAY PLAN & PROFILE

SCALE: 1"=20' | SHEET 3 OF 3 SHEETS | STA. 602+00.00 TO STA. 604+69.79

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	20

CONTRACT NO. 91567

ILLINOIS FED. AID PROJECT SHBB(742)



T 20 N, R 11 W, 2nd PM
SECTION 33
CHISELED "X" ON CONC. CURB
CHISLED "X" ON CONC. CURB
33.22'
13.92'
22.91'
STEADY STORAGE, LLC.
GRASS
POT STA 17+00.87
MAG NAIL
SECTION 08-00330-02-PV BEGINS STATION 18+83.17
PROPOSED BRIDGE APPROACH PAVEMENT
COMBINATION CURB AND GUTTER REMOVAL
PROPOSED LIMITS OF CONSTRUCTION (TYP.)
EXISTING STRUCTURE SN 092-6010 TO BE PARTIALLY REMOVED
JOHN GALLEZ
① IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3
N&BC IN PP
55.80'
13.99'
13.95'
CHISELED "X" ON CONC. CURB
POT STA 22+98.78
MAG NAIL
WATER
PROPOSED CURB & GUTTER TYPE B6.18 (TYP.)
EXISTING R.O.W. LINE
6' (TYP.)
POT Sta 17+01.01
POT Sta 22+98.63
℄ SURVEY & ℄ CONSTRUCTION
IROD/CAP
SECTION 08-00330-02-PV ENDS STATION 21+12.17
(HMA)
F.A.U. 6999 (VOORHEES STREET)
EXISTING R.O.W.
66'
33'
18
20
22
SWK
LEGEND
PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL
PROPOSED LANDSCAPING GRAVEL
PROPOSED RIPRAP PLACEMENT
PROPOSED EVERGREEN THUJA OCCIDENTALIS
EXISTING TELEPHONE LINE
EXISTING ABANDONED WATERLINE
EXISTING GAS MAIN
STA 18+90 33' RT
PROPOSED SIDEWALK
EXISTING FENCE TO BE PARTIALLY REMOVED AND RELOCATED
COMBINATION CURB AND GUTTER REMOVAL
STA 19+60 33' RT
TEMPORARY EASEMENT FOR PURPOSE OF RECONSTRUCTING FRONT SLOPE
STA 19+60 95' RT
STA 18+90 95' RT
TIMBER
CLARENCE & NINA RUDOLPH
T 19 N, R 11 W, 2nd PM
SECTION 4
STONEY CREEK
GRASS
PROPOSED SIDEWALK
PROPOSED CURB & GUTTER TYPE B6.18 (TYP.)
COMBINATION CURB AND GUTTER REMOVAL
BUILDING
PROPOSED STRUCTURE SN 092-7211
STATION 20+00.67
SINGLE SPAN 48" STEEL PLATE GIRDER STRUCTURE WITH REINFORCED CONCRETE DECK ON INTEGRAL ABUTMENTS 105'-0" BK. TO BK., AND 43'-2" O. TO O. DECK, NO SKEW
MICHAEL F. TABELS
GRAPHIC SCALE IN FEET
BM #3 - CHISELED "X" ON S.S.E. FLANGE BOLT OF FIRE HYDRANT Sta. 16+61, 28' LT. Elev. = 626.26
EXISTING PROFILE GRADE LINE
PROPOSED 2¼" HOT-MIX ASPHALT RESURFACING
BM #2 - CHISELED "□" ON S.E. WINGWALL OF EXISTING BRIDGE STA. 20+70, 22' RT ELEV. 609.27
-2.34%
PROPOSED PROFILE GRADE LINE
BM #1 - CHISELED "X" ON S.S.W. FLANGE BOLT OF FIRE HYDRANT Sta. 23+99, 31' LT. Elev. = 610.98
PROPOSED 2¼" HOT-MIX ASPHALT RESURFACING
615
610
605
600
595
590
585
580
575
570
EXISTING PROFILE GRADE
PROPOSED PROFILE GRADE
619.35
618.56
617.75
616.94
616.19
615.39
614.70
614.04
613.40
612.88 +00 612.87
612.40 612.41
611.85 611.94
611.14 611.47
610.87 611.01
610.49 610.54
610.02 610.07
609.40 609.60
609.03 609.14
608.60 608.67
608.20 +00 608.20
607.77
607.37
606.97
606.60
606.32
606.29
606.11
606.03
606.10
17+50
18+00
18+50
19+00
19+50
20+00
20+50
21+00
21+50
22+00
22+50

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. CHECKED, CADD FILE NAME — NOTE BOOK NO. — BY — DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, BM. NOTED, STRUCTURE NOTATIONS CHKD — NOTE BOOK NO. — BY — DATE

FILE NAME = 3999-sht-VoorheesPP01.dgn	USER NAME = JDeen	DESIGNED - BAN	REVISED -
		DRAWN - CET	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - BAN/CTM	REVISED -
	PLOT DATE = 12/13/2017	DATE - 9/15/2016	REVISED -

CITY OF DANVILLE

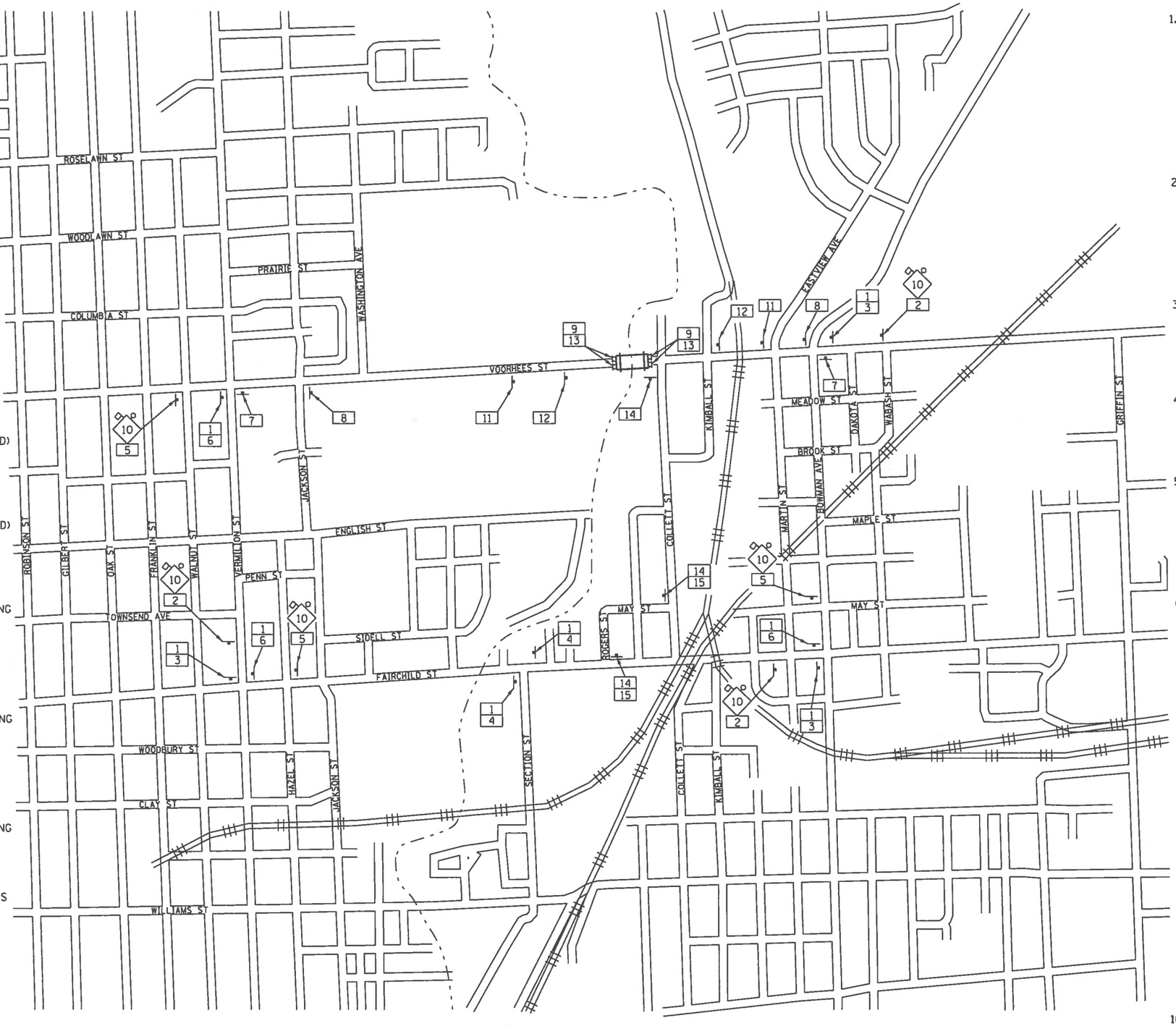
VOORHEES ST BRIDGE OVER STONEY CREEK
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 18+89.17 TO STA. 21+12.17

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	21
	SN 092-7211	CONTRACT NO. 91567		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SH88(742)		

SIGN LEGEND

1	DETOUR	M4-8 (8 REQ'D)
2		M5-1 L (3 REQ'D)
3		M6-1 L (3 REQ'D)
4		M6-3 (2 REQ'D)
5		M5-1 R (3 REQ'D)
6		M6-1 R (3 REQ'D)
7	END DETOUR	M4-8A (2 REQ'D)
8	ROAD CLOSED TO THRU TRAFFIC	R11-4 (2 REQ'D)
9	ROAD CLOSED	R11-2 (4 REQ'D)
10	DETOUR AHEAD	W20-2, 48" x 48" WITH AMBER FLASHING LIGHT AND FLAG. (6 REQ'D)
11	ROAD CLOSED AHEAD	W20-3, 48" x 48" WITH AMBER FLASHING LIGHT AND FLAG. (2 REQ'D)
12	ROAD CLOSED 500 FT	W20-3, 48" x 48" WITH AMBER FLASHING LIGHT AND FLAG. (2 REQ'D)
13		TYPE III BARRICADES (4 REQ'D)
14	LOCAL TRAFFIC ONLY	24"x24" (3 REQ'D)
15	NO TRUCKS	R5-2a (2 REQ'D)



DETOUR GENERAL NOTES

1. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016", "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES ADOPTED 2010", AND THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".
2. THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES FOR APPROVAL OF SUCH DATE.
3. THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF HIS REPRESENTATIVES RESPONSIBLE FOR THE DETOUR SIGNING PRIOR TO THE START OF WORK.
4. IF REQUESTED BY THE CONTRACTOR IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT, THE ENGINEER WILL FIELD LOCATE THE POSITION OF ANY SIGNS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS AND OTHER DEVICES INSTALLED BY HIM ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.
6. THE CONTRACTOR SHALL MAKE ALL CHANGES IN SIGNING THAT ARE DEEMED NECESSARY BY THE ENGINEER.
7. THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) HOURS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE APPROPRIATE AGENCIES AND INTERESTED PARTIES.
8. IN ADDITION TO THE DETOUR SIGNING, THE CONTRACTOR SHALL PROVIDE ROAD CLOSURE SIGNING IN ACCORDANCE WITH BLR 21-9 AND AS DIRECTED BY THE ENGINEER.

1000' 0 1000'

GRAPHIC SCALE IN MILES

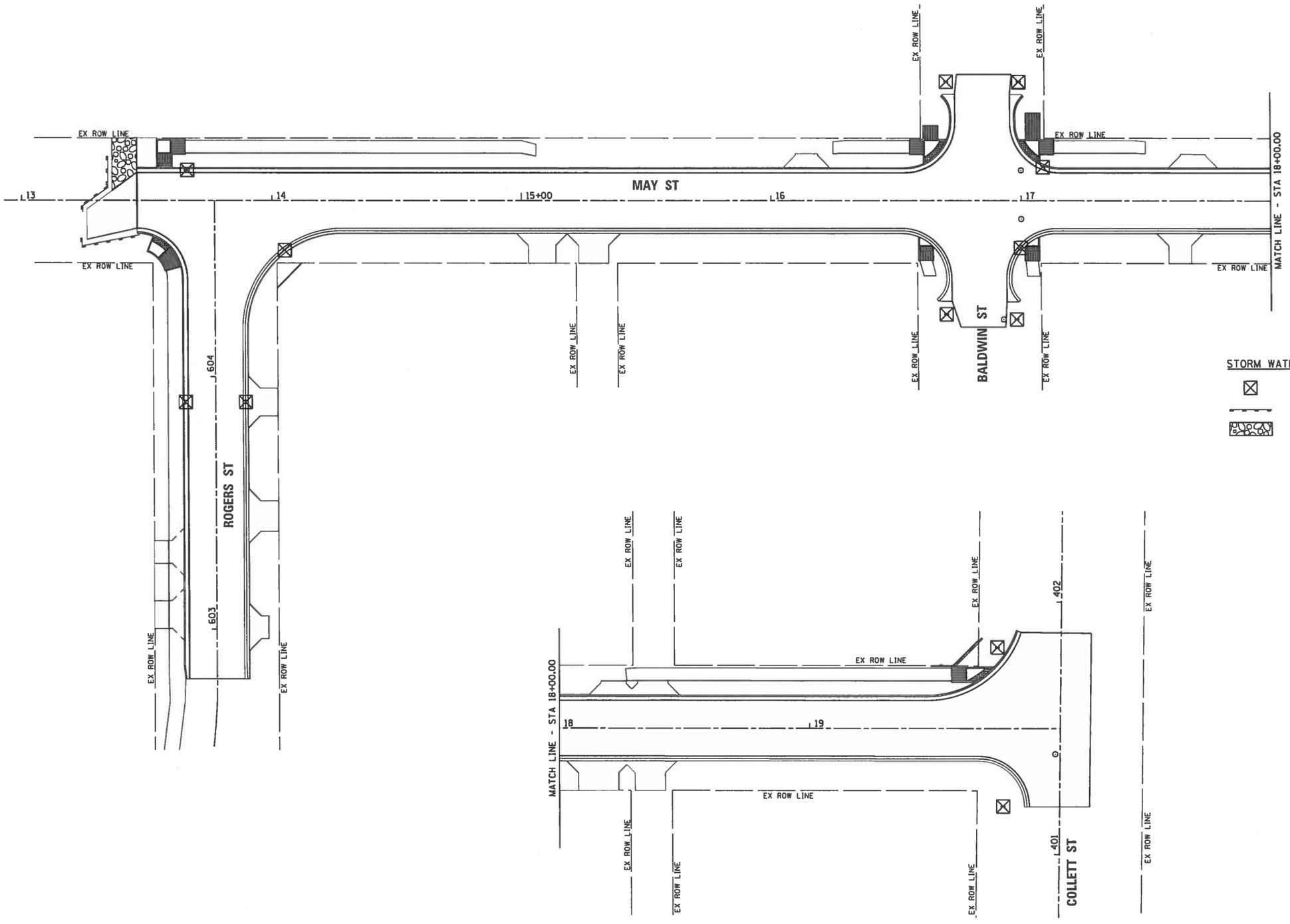
FILE NAME = 3999-sht-VoorheesH01.dgn	USER NAME = JDean	DESIGNED -	REVISED -
		DRAWN -	REVISED -
©MODELNAME©	PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

VOORHEES ST BRIDGE OVER STONEY CREEK AND MAY ST /ROGERS ST RECONSTRUCTION
TRAFFIC CONTROL PLAN

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. 18+89.17 TO STA. 21+12.17

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	22
	SN 092-7211	CONTRACT NO. 91567		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBBIT421		



STORM WATER POLLUTION PREVENTION PLAN LEGEND

- INLET AND PIPE PROTECTION (BEFORE PAVING) INLET FILTERS (AFTER PAVING)
- PERIMETER EROSION BARRIER
- STONE RIPRAP, CLASS A4 WITH FILTER FABRIC

N

0 20 40 60

SCALE IN FEET

FILE NAME = 3999-sht-Erosion.dgn	USER NAME = JDean	DESIGNED - AWM	REVISED -
		DRAWN - TJD	REVISED -
$MODELNAME$	PLOT SCALE = 40.0000 ' / in.	CHECKED - AWM	REVISED -
	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

MAY ST & ROGERS ST RECONSTRUCTION
STORM WATER POLLUTION PREVENTION PLAN

SCALE: 1"=20' | SHEET 1 OF 2 SHEETS | STA. 12+93.07 TO STA. 20+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	23
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBBI742)			

T 20 N, R 11 W, 2nd PM
SECTION 33

STONEY CREEK

+00

+49

+52

+12

19

20

21

PROPOSED STRUCTURE
S.N. 092-7211

+52

+92

BUILDING

+83

+49

T 19 N, R 11 W, 2nd PM
SECTION 4

LEGEND

PERIMETER EROSION BARRIER

PROPOSED RIPRAP PLACEMENT

10' 0' 10'
GRAPHIC SCALE IN FEET

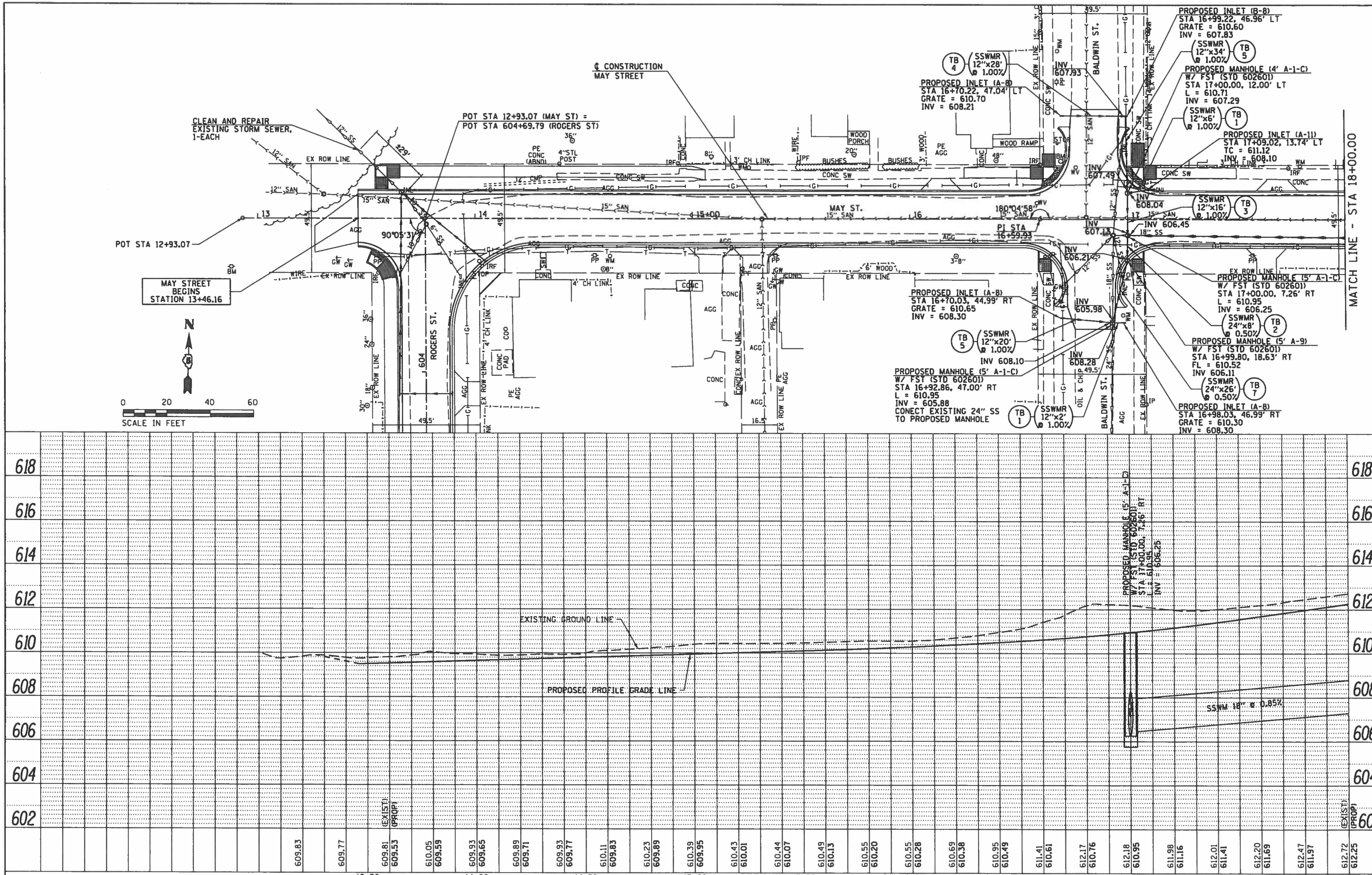
FILE NAME = 3999-sht-VoorheesEROS.dgn	USER NAME = JDean	DESIGNED -	REVISED -
		DRAWN -	REVISED -
⊕MODELNAME⊕	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

VOORHEES ST OVER STONEY CREEK
EROSION CONTROL PLAN

SCALE: 1"=10' | SHEET 1 OF 1 SHEETS | STA. 18+89.17 TO STA. 21+12.17

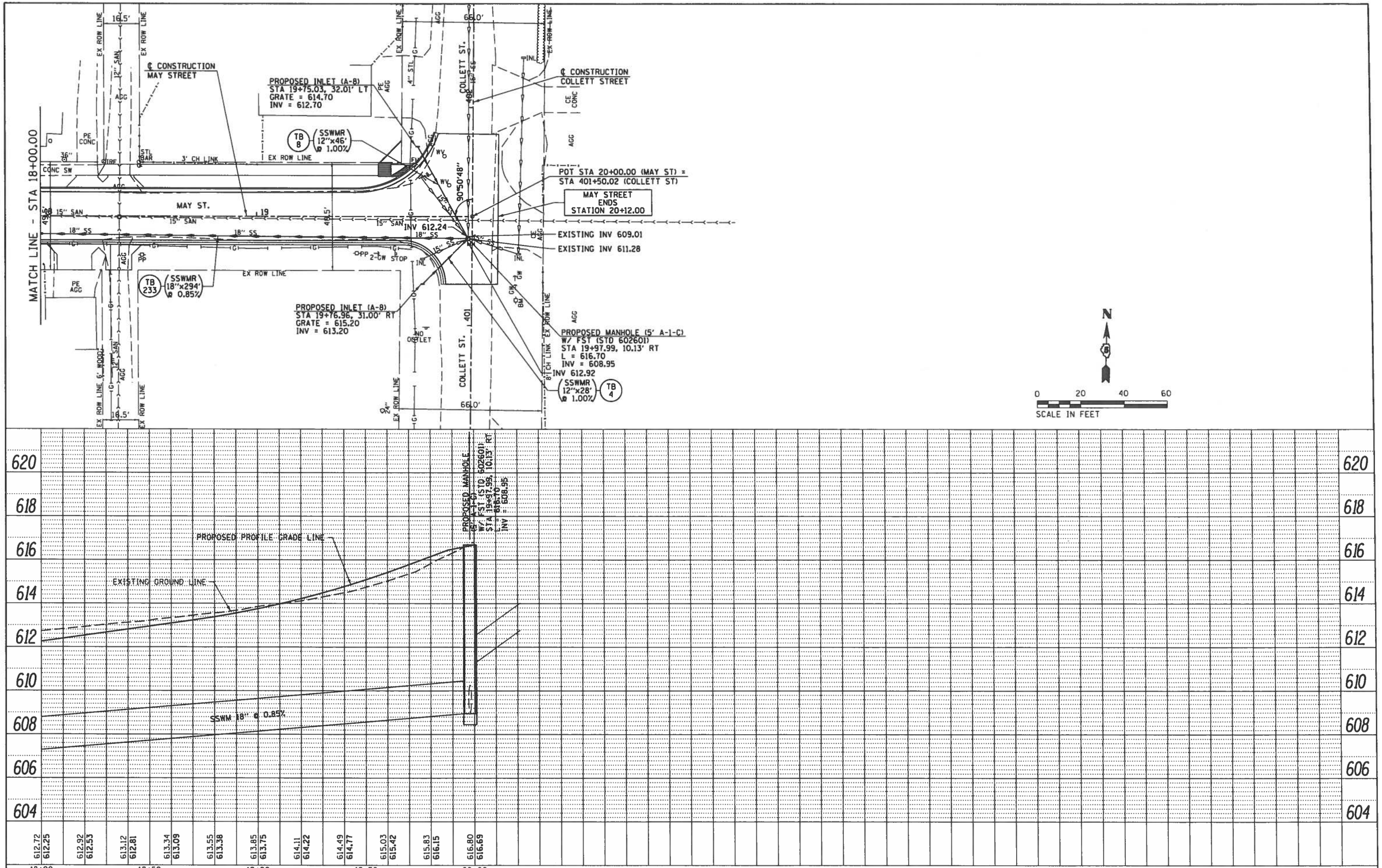
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	24
	SN 092-7211	CONTRACT NO. 91567		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBBIT421		



CLEAN AND REPAIR EXISTING STORM SEWER, 1-EACH
POT STA 12+93.07 (MAY ST) = POT STA 604+69.79 (ROGERS ST)
℄ CONSTRUCTION MAY STREET
POT STA 12+93.07
MAY STREET BEGINS STATION 13+46.16
ROGERS ST.
MAY ST.
BALDWIN ST.
MATCH LINE - STA 18+00.00
SCALE IN FEET
0 20 40 60
PI STA 16+59.93
180°04'58"
90°05'31"
PROPOSED INLET (B-8) STA 16+99.22, 46.96' LT GRATE = 610.60 INV = 607.83
SSWMR 12"x34' @ 1.00% TB 5
PROPOSED MANHOLE (4' A-1-C) W/ FST (STD 602601) STA 17+00.00, 12.00' LT L = 610.71 INV = 607.29
SSWMR 12"x6' @ 1.00% TB 1
PROPOSED INLET (A-11) STA 17+09.02, 13.74' LT TC = 611.12 INV = 608.10
SSWMR 12"x16' @ 1.00% TB 3
TB 4 SSWMR 12"x28' @ 1.00%
PROPOSED INLET (A-8) STA 16+70.22, 47.04' LT GRATE = 610.70 INV = 608.21
PROPOSED MANHOLE (5' A-1-C) W/ FST (STD 602601) STA 17+00.00, 7.26' RT L = 610.95 INV = 606.25
SSWMR 24"x8' @ 0.50% TB 2
PROPOSED MANHOLE (5' A-9) W/ FST (STD 602601) STA 16+99.80, 18.63' RT FL = 610.52 INV 606.11
SSWMR 24"x26' @ 0.50% TB 7
PROPOSED INLET (A-8) STA 16+98.03, 46.99' RT GRATE = 610.30 INV = 608.30
PROPOSED INLET (A-8) STA 16+70.03, 44.99' RT GRATE = 610.65 INV = 608.30
TB 5 SSWMR 12"x20' @ 1.00%
INV 608.10
PROPOSED MANHOLE (5' A-1-C) W/ FST (STD 602601) STA 16+92.86, 47.00' RT L = 610.95 INV = 605.88 CONECT EXISTING 24" SS TO PROPOSED MANHOLE
TB 1 SSWMR 12"x2' @ 1.00%
INV 607.93
INV 607.49
INV 608.04
INV 606.45
INV 607.11
INV 606.21
INV 605.98
INV 608.28
EX ROW LINE
CONC SW
AGG
WOOD PORCH
WOOD RAMP
BUSHES
3' CH LINK
4' CH LINK
6' WOOD
CONC PAD
EXISTING GROUND LINE
PROPOSED PROFILE GRADE LINE
SSWM 18" @ 0.85%
PROPOSED MANHOLE (5' A-1-C) W/ FST (STD 602601) STA 17+00.00, 7.26' RT L = 610.95 INV = 606.25
618 616 614 612 610 608 606 604 602
(EXIST) (PROP)
609.83 609.77 609.81 609.53 610.05 609.59 609.93 609.65 609.89 609.71 609.93 609.77 610.11 609.83 610.23 609.89 610.39 609.95 610.43 610.01 610.44 610.07 610.49 610.13 610.55 610.20 610.55 610.28 610.69 610.38 610.95 610.49 611.41 610.61 612.17 610.76 612.18 610.95 611.98 611.16 612.01 611.41 612.20 611.69 612.47 611.97 612.72 612.25
13+50 14+00 14+50 15+00 15+50 16+00 16+50 17+00 17+50 18+00

FILE NAME = 3999-sht-MayDrain01.dgn	USER NAME = JDean	DESIGNED - AWM	REVISED -	CITY OF DANVILLE	MAY ST & ROGERS ST RECONSTRUCTION
#MODELNAME#	PLOT SCALE = 40.0000 ' / in.	DRAWN - TJD	REVISED -		MAY ST DRAINAGE PLAN & PROFILE
	PLOT DATE = 12/13/2017	CHECKED - AWM	REVISED -		SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 12+93.07 TO STA. 17+50.00
		DATE -	REVISED -		

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	25
		CONTRACT NO. 91567		
		ILLINOIS FED. AID PROJECT SH8B(742)		



PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
INT. OF RAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

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

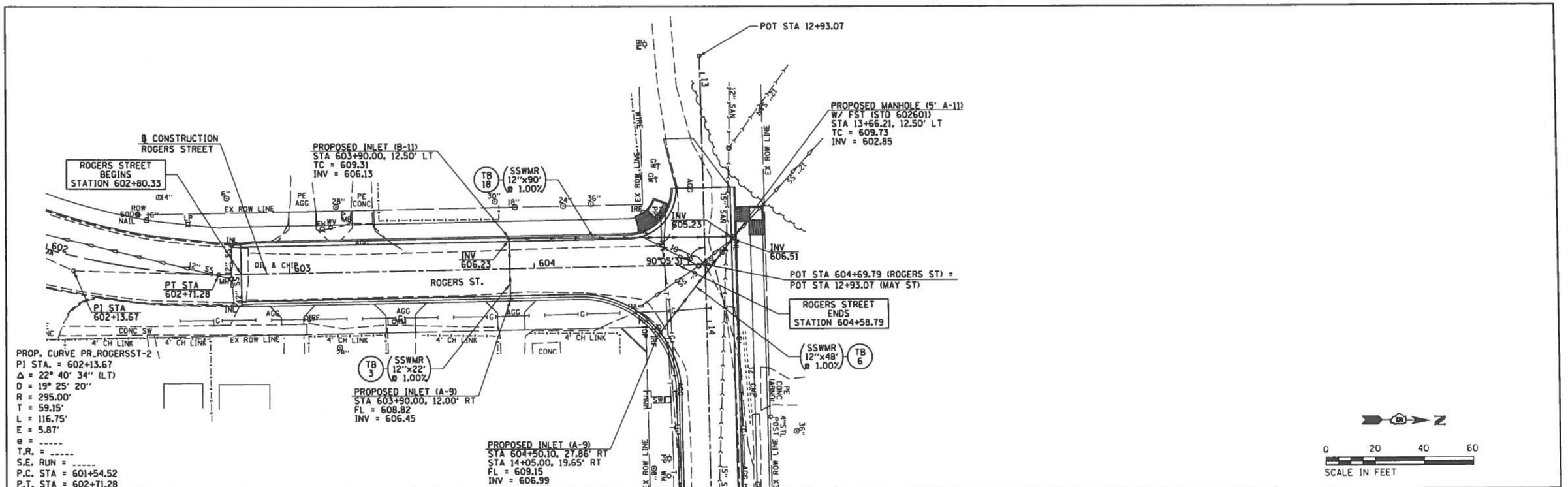
FILE NAME = 3999-sht-MayDrain02.dgn	USER NAME = JDean	DESIGNED - AWM	REVISED -
		DRAWN - TJD	REVISED -
MODELNAME	PLOT SCALE = 40.8000 ' / in.	CHECKED - AWM	REVISED -
	PLOT DATE = 12/13/2017	DATE -	REVISED -

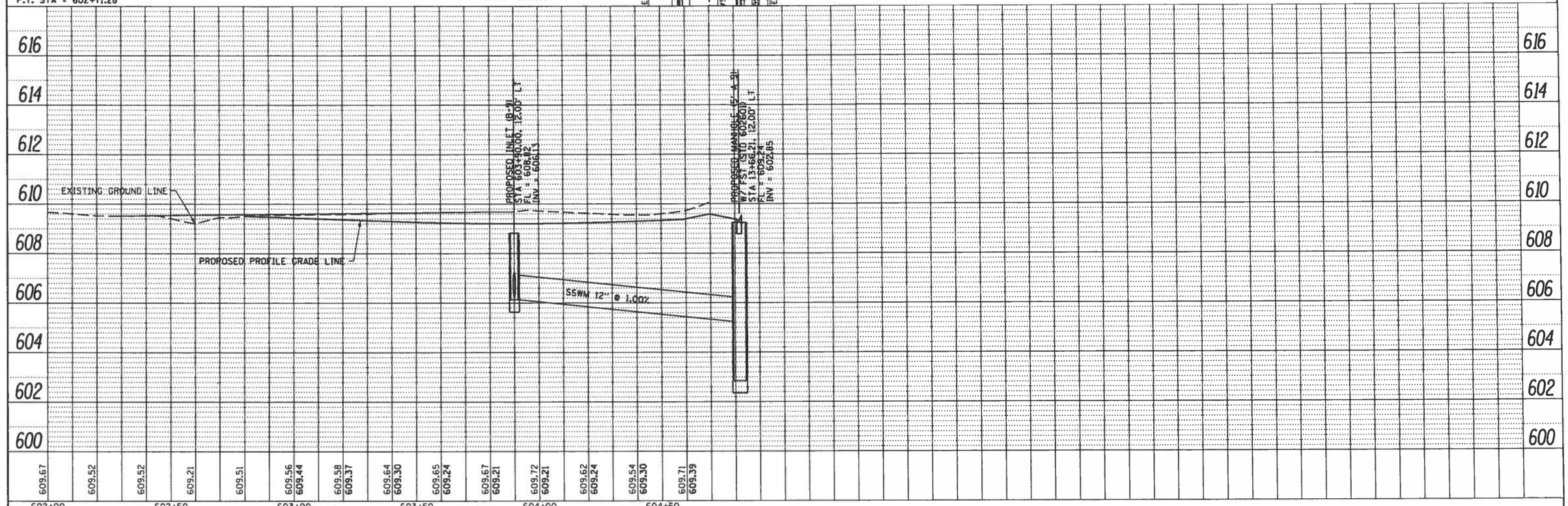
CITY OF DANVILLE

MAY ST & ROGERS ST RECONSTRUCTION
MAY ST DRAINAGE PLAN & PROFILE

SCALE: 1"=20' | SHEET 2 OF 3 SHEETS | STA. 17+50.00 TO STA. 20+12.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	26
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBB(742)			





FILE NAME = 3999-sht-RogersDrain01.dgn	USER NAME = JDeen	DESIGNED - AWM	REVISED -
		DRAWN - TJD	REVISED -
MODELNAME	PLOT SCALE = 40.0000 ' / in.	CHECKED - AWM	REVISED -
	PLOT DATE = 12/13/2017	DATE -	REVISED -

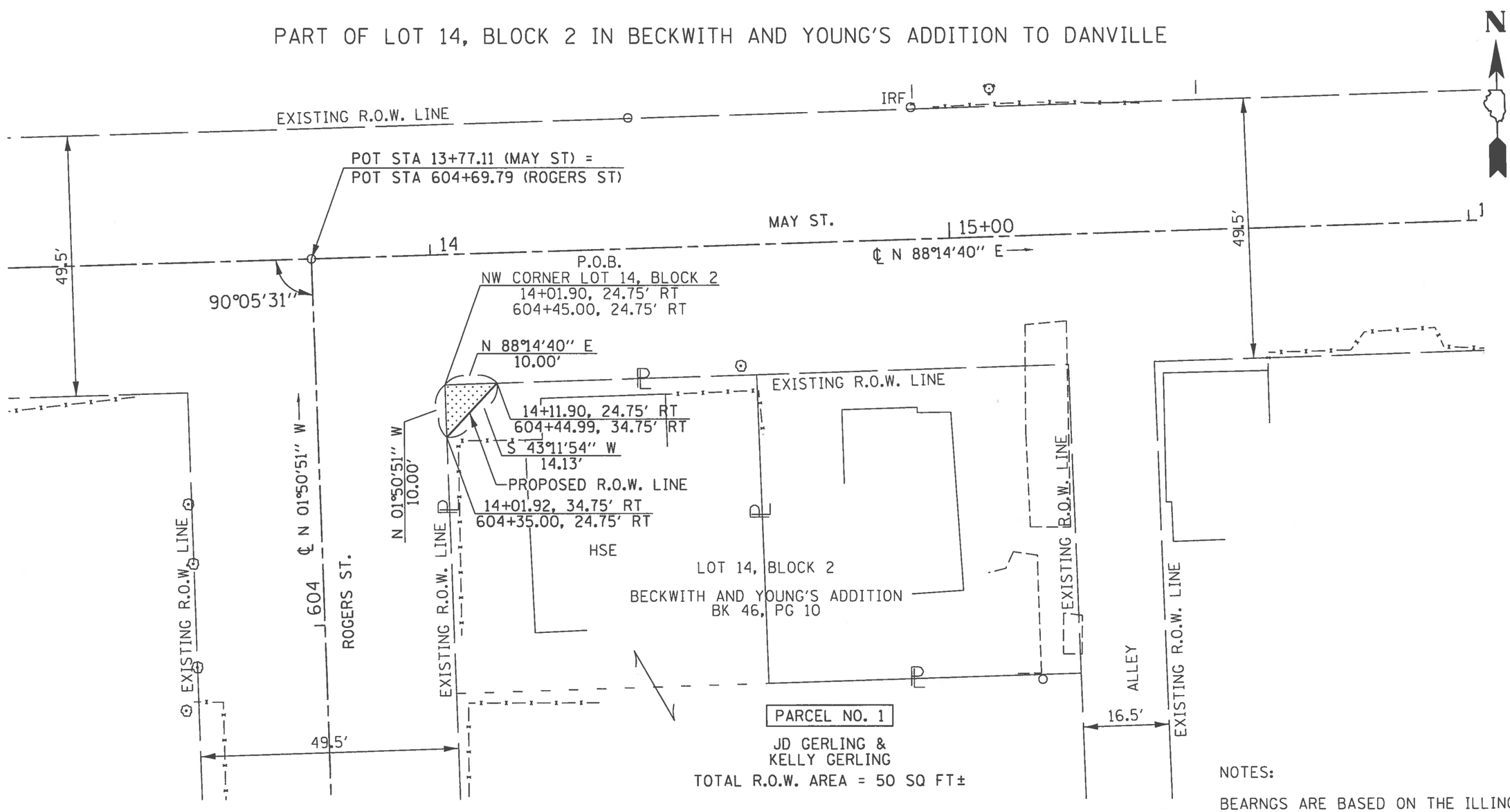
CITY OF DANVILLE

MAY ST & ROGERS ST RECONSTRUCTION
ROGERS ST DRAINAGE PLAN & PROFILE

SCALE: 1"=20' | SHEET 3 OF 3 SHEETS | STA. 602+00.00 TO STA. 604+69.79

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	27
		CONTRACT NO. 91567		
		ILLINOIS FED. AID PROJECT SHBIT42(		

PART OF LOT 14, BLOCK 2 IN BECKWITH AND YOUNG'S ADDITION TO DANVILLE



NOTES:

BEARNGS ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD 83 (2011 ADJ) - EAST ZONE

I, TIMOTHY C. QUIGG, A PROFESSIONAL LAND SURVEYOR IN THE STATE OF ILLINOIS DO HEREBY CERTIFY THAT THE PLAT AND DESCRIPTION HEREON IS A TRUE AND CORRECT REPRESENTATION OF THE SURVEY MADE UNDER MY SUPERVISION. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Timothy C. Quigg 7/24/17

TIMOTHY C. QUIGG
PROFESSIONAL LAND SURVEYOR NO. 3063

TIMOTHY C. QUIGG
3063
PROFESSIONAL
LAND
SURVEYOR
STATE OF
ILLINOIS
JACKSONVILLE, IL

EXPIRES: 11/30/2018

LEGEND

- = PROPERTY LINE
- = TEMPORARY EASEMENT LINE
- = PERMANENT EASEMENT LINE
- = PROPOSED ROW LINE
- = SECTION LINE
- = EXISTING ROW LINE
- = REQUIRED ROW

20' 0' 20'
GRAPHIC SCALE IN FEET

HUTCHISON ENGINEERING, INC.
1801 W. LAFAYETE AVE.
P.O. BOX 820
JACKSONVILLE, IL 62651

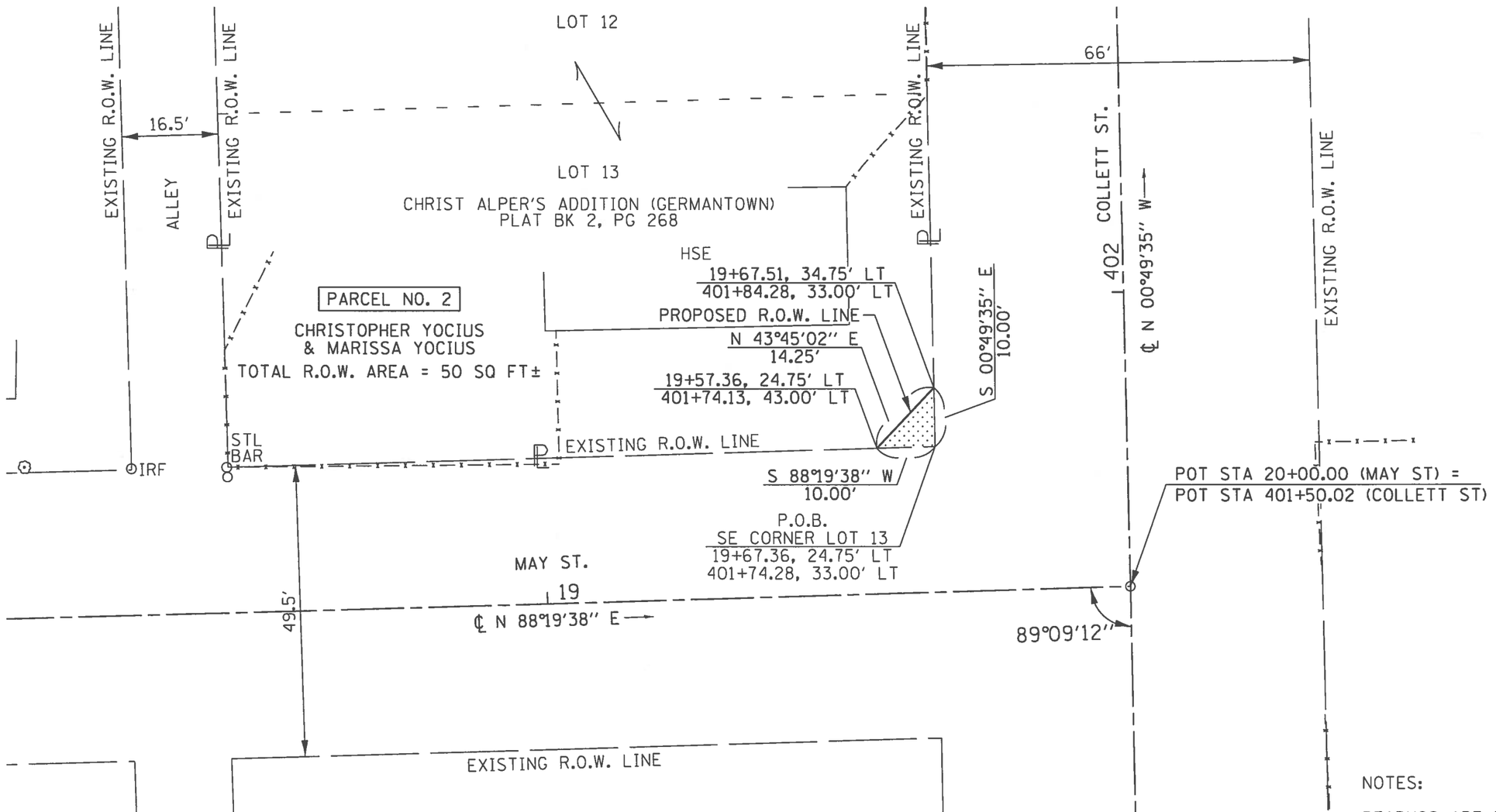
ILLINOIS PROFESSIONAL DESIGN
FIRM NO. 184-000825

RIGHT OF WAY PLAT

PARCEL	1
ROUTE	MAY ST.
CITY	DANVILLE
COUNTY	VERMILION
STATION	14+01.90 TO 14+11.90
SCALE:	1"=20'
SHEET NO.	28 OF 79

V:\3999 - Voorhees St over Stoney Creek & Detour (Danville)\CADD\CADD Sheets\3999-Parcel 1.dgn

PART OF LOT 13 IN CHRIST ALPER'S ADDITION TO GERMANTOWN, NOW PART OF DANVILLE



NOTES:

BEARNGS ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD 83 (2011 ADJ) - EAST ZONE

I, TIMOTHY C. QUIGG, A PROFESSIONAL LAND SURVEYOR IN THE STATE OF ILLINOIS DO HEREBY CERTIFY THAT THE PLAT AND DESCRIPTION HEREON IS A TRUE AND CORRECT REPRESENTATION OF THE SURVEY MADE UNDER MY SUPERVISION. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Timothy C. Quigg 7/24/17

TIMOTHY C. QUIGG
PROFESSIONAL LAND SURVEYOR NO. 3063

TIMOTHY C. QUIGG
3063
PROFESSIONAL
LAND
SURVEYOR
STATE OF
ILLINOIS
JACKSONVILLE, IL

EXPIRES: 11/30/2018

LEGEND

- P = PROPERTY LINE
- = TEMPORARY EASEMENT LINE
- = PERMANENT EASEMENT LINE
- = PROPOSED ROW LINE
- = SECTION LINE
- = EXISTING ROW LINE
- = REQUIRED ROW

20' 0' 20'
GRAPHIC SCALE IN FEET

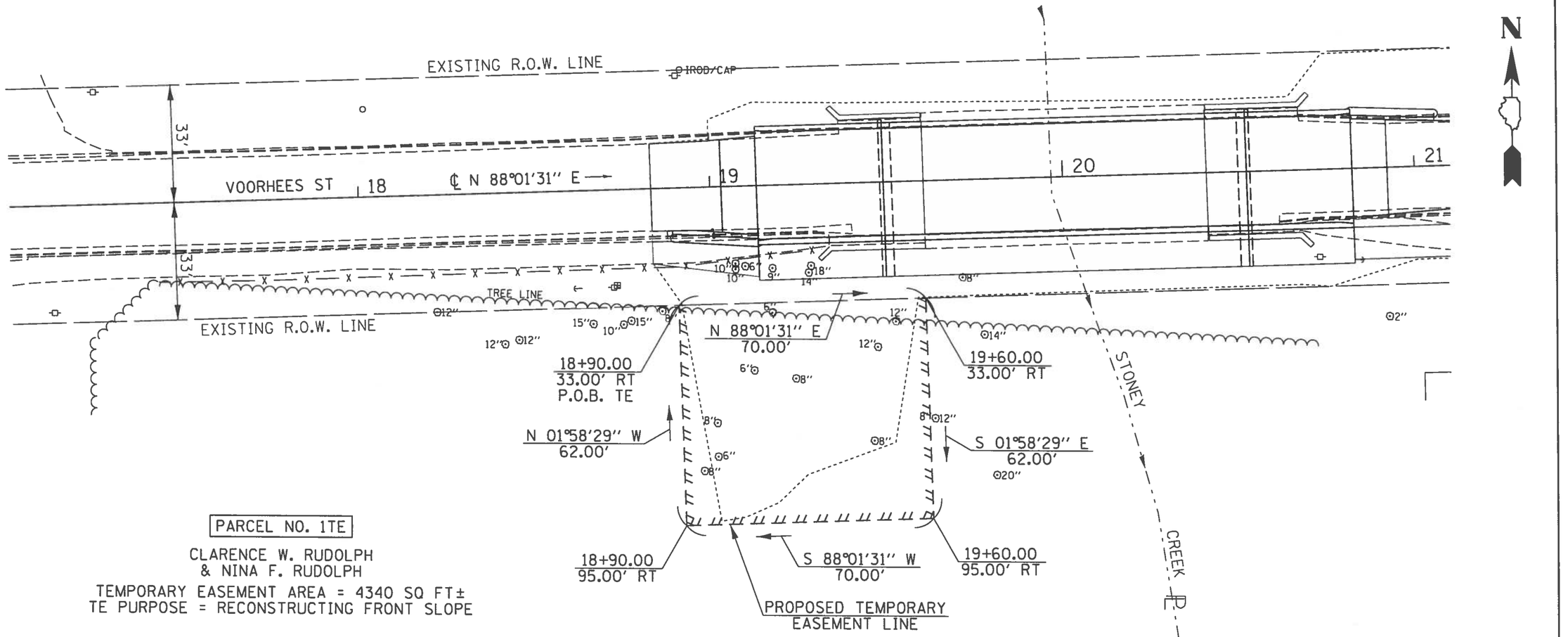
HUTCHISON ENGINEERING, INC.
1801 W. LAFAYETE AVE.
P.O. BOX 820
JACKSONVILLE, IL 62651

ILLINOIS PROFESSIONAL DESIGN
FIRM NO. 184-000825

RIGHT OF WAY PLAT

PARCEL	2
ROUTE	MAY ST.
CITY	DANVILLE
COUNTY	VERMILION
STATION	19+57.36 TO 19+67.51
SCALE:	1"=20'
SHEET NO.	29 OF 79

V:\3999 - Voorhees St over Stoney Creek & Detour (Danville)\CADD\CADD Sheets\3999-Parcel 2.dgn



PARCEL NO. 1TE

CLARENCE W. RUDOLPH
& NINA F. RUDOLPH

TEMPORARY EASEMENT AREA = 4340 SQ FT±
TE PURPOSE = RECONSTRUCTING FRONT SLOPE

PART OF THE NW 1/4, NW 1/4, SECTION 4, T 19 N, R 11 W, 2ND PM, VERMILION COUNTY

NOTES:

BEARNGS ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD 83 (2011 ADJ) - EAST ZONE

I, TIMOTHY C. QUIGG, A PROFESSIONAL LAND SURVEYOR IN THE STATE OF ILLINOIS DO HEREBY CERTIFY THAT THE PLAT AND DESCRIPTION HEREON IS A TRUE AND CORRECT REPRESENTATION OF THE SURVEY MADE UNDER MY SUPERVISION. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Timothy C. Quigg 9/11/17
TIMOTHY C. QUIGG
PROFESSIONAL LAND SURVEYOR NO. 3063

TIMOTHY C. QUIGG
3063
PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
JACKSONVILLE, IL

EXPIRES: 11/30/2018

LEGEND

- P = PROPERTY LINE
- = TEMPORARY EASEMENT LINE
- = PERMANENT EASEMENT LINE
- = PROPOSED ROW LINE
- = SECTION LINE
- = EXISTING ROW LINE
- = REQUIRED ROW

30' 0' 30'
GRAPHIC SCALE IN FEET

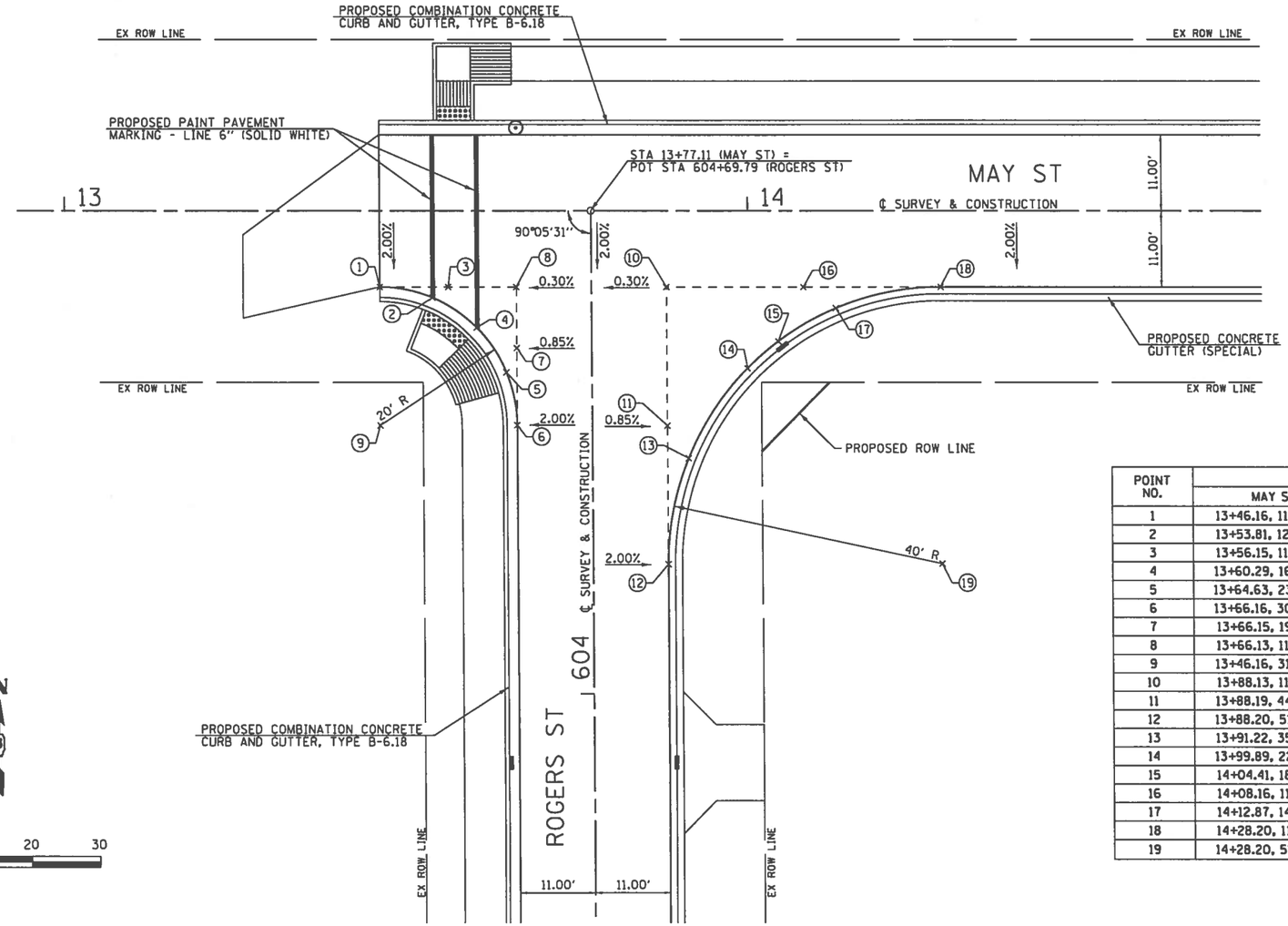
HUTCHISON ENGINEERING, INC.
1801 W. LAFAYETE AVE.
P.O. BOX 820
JACKSONVILLE, IL 62651

ILLINOIS PROFESSIONAL DESIGN
FIRM NO. 184-000825

TEMPORARY EASEMENT PLAT

PARCEL	1TE
ROUTE	VOORHEES ST
CITY	DANVILLE
COUNTY	VERMILION
STATION	18+90.00 TO 19+60.00
SCALE:	1"=30'
SHEET NO.	30 OF 79

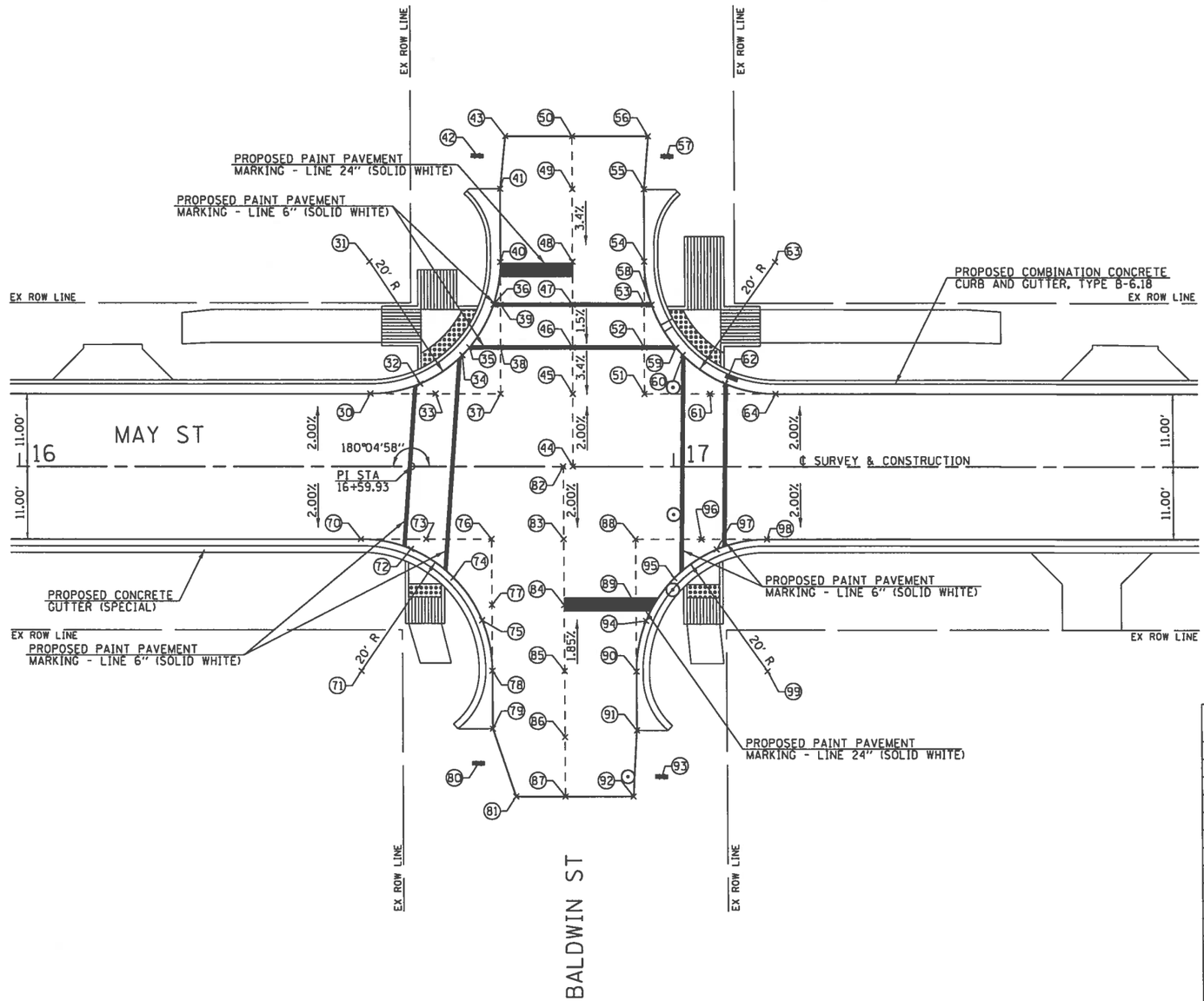
V:/3999/3999-Voorhees Parcel 1TE.dgn



POINT NO.	STATION - OFFSET		ELEVATION
	MAY ST	ROGERS ST	
1	13+46.16, 11.00' RT	604+58.84, 30.97' LT	609.27
2	13+53.81, 12.52' RT	604+57.31, 23.32' LT	609.22
3	13+56.15, 11.00' RT	604+58.82, 20.98' LT	609.30
4	13+60.29, 16.85' RT	604+52.97, 16.85' LT	609.17
5	13+64.63, 23.32, RT	604+46.49, 12.52' LT	609.12
6	13+66.16, 30.97' RT	604+38.84, 11.00' LT	609.07
7	13+66.15, 19.81' RT	604+50.00, 11.00' LT	609.24
8	13+66.13, 11.00' RT	604+58.81, 11.00' LT	609.33
9	13+46.16, 31.00' RT	604+38.84, 31.00' LT	
10	13+88.13, 11.00' RT	604+58.77, 11.00' RT	609.39
11	13+88.19, 44.77' RT	604+38.74, 11.00' RT	609.20
12	13+88.20, 51.06' RT	604+18.71, 11.00' RT	609.02
13	13+91.22, 35.74' RT	604+34.03, 14.05' RT	609.14
14	13+99.89, 22.74' RT	604+47.02, 22.74' RT	609.27
15	14+04.41, 18.84' RT	604+50.90, 27.26' RT	609.31
16	14+08.16, 11.00' RT	604+58.74, 31.03' RT	609.45
17	14+12.87, 14.05' RT	604+55.68, 35.74' RT	609.39
18	14+28.20, 11.00' RT	604+58.71, 51.06' RT	609.51
19	14+28.20, 51.00' RT	604+18.71, 51.00' RT	

FILE NAME = 3999-sht-intDet81.dgn	USER NAME = JDean	DESIGNED - TJD	REVISED -	CITY OF DANVILLE	MAY ST & ROGERS ST RECONSTRUCTION INTERSECTION DETAIL		F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TJD	REVISED -				6999	08-00330-02-PV	VERMILION	79	31
	PLOT SCALE = 20.0000 ' / in.	CHECKED - AWM	REVISED -						CONTRACT NO. 91567		
$MODELNAME$	PLOT DATE = 12/13/2017	DATE -	REVISED -		SCALE: 1"=10'	SHEET 1 OF 3 SHEETS STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT SHBBIT42)		

POINT NO.	STATION - OFFSET MAY ST	ELEVATION
30	16+53.72, 11.00' LT	610.35
31	16+53.72, 31.00' LT	
32	16+61.34, 12.52' LT	610.37
33	16+63.66, 11.00' LT	610.42
34	16+67.81, 16.84' LT	610.45
35	16+68.88, 18.00' LT	610.48
36	16+72.59, 24.50' LT	610.64
37	16+73.62, 11.00' LT	610.49
38	16+73.64, 18.00' LT	610.66
39	16+73.66, 24.50' LT	610.69
40	16+73.67, 30.94' LT	610.84
41	16+73.71, 42.03' LT	611.10
42	16+70.22, 47.04' LT	610.70
43	16+74.53, 50.00' LT	611.32
44	16+84.59, ℄	610.80
45	16+84.62, 11.00' LT	610.58
46	16+84.64, 18.00' LT	610.82
47	16+84.66, 24.50' LT	610.92
48	16+84.67, 31.00' LT	611.14
49	16+84.71, 42.00' LT	611.52
50	16+84.73, 50.00' LT	611.79
51	16+95.62, 11.00' LT	610.69
52	16+85.64, 18.00' LT	610.74
53	16+95.66, 24.50' LT	610.77
54	16+95.68, 31.06' LT	610.87
55	16+95.71, 41.97' LT	611.04
56	16+96.38, 50.00' LT	611.12
57	16+99.22, 46.96' LT	610.60
58	16+96.76, 24.50' LT	610.75
59	17+00.48, 18.00' LT	610.66
60	17+01.49, 16.90' LT	610.65
61	17+05.62, 11.00' LT	610.79
62	17+07.97, 12.54' LT	610.68
63	17+15.68, 31.00' LT	
64	17+15.62, 11.00' LT	610.90



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0 10 20 30
SCALE IN FEET

POINT NO.	STATION - OFFSET MAY ST	ELEVATION
70	16+52.16, 11.00' RT	610.34
71	16+52.16, 31.00' RT	
72	16+59.80, 12.52' RT	610.38
73	16+62.16, 11.00' RT	610.41
74	16+66.31, 16.84' RT	610.42
75	16+70.66, 23.31' RT	610.47
76	16+72.14, 11.00' RT	610.48
77	16+72.17, 20.97' RT	610.50
78	16+72.20, 30.95' RT	610.52
79	16+72.23, 39.73' RT	610.55
80	16+70.03, 44.99' RT	610.65
81	16+75.76, 50.00' RT	610.81
82	16+83.11, ℄	610.79
83	16+83.14, 11.00' RT	610.57
84	16+83.17, 21.00' RT	610.75
85	16+83.20, 31.00' RT	610.93
86	16+83.23, 41.00' RT	611.11
87	16+83.26, 50.00' RT	611.29
88	16+94.14, 11.00' RT	610.67
89	16+94.17, 21.03' RT	610.71
90	16+94.20, 31.05' RT	610.75
91	16+94.23, 39.97' RT	610.79
92	16+93.68, 50.00' RT	610.86
93	16+98.03, 46.99' RT	610.30
94	16+95.71, 23.39' RT	610.64
95	17+00.04, 16.88' RT	610.62
96	17+04.17, 11.00' RT	610.77
97	17+06.53, 12.53' RT	610.72
98	17+14.20, 11.00' RT	610.88
99	17+14.20, 31.00' RT	

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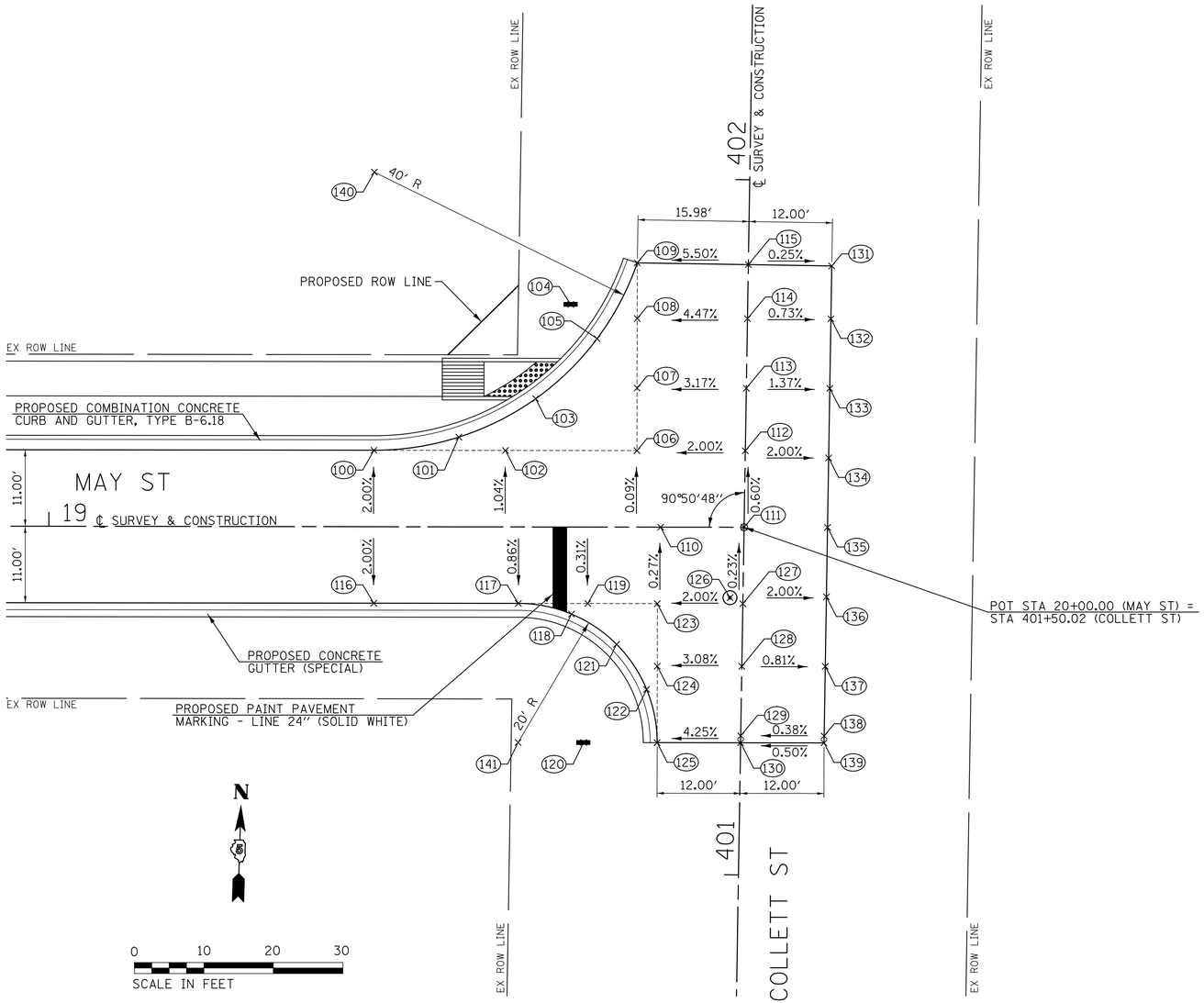
		DRAWN - TJD	REVISED -
⊕MODELNAME⊕	PLOT SCALE = 20.0000 ' / in.	CHECKED - AWM	REVISED -
	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

MAY ST & ROGERS ST RECONSTRUCTION
INTERSECTION DETAIL

SCALE: 1"=10' | SHEET 2 OF 3 SHEETS | STA. N/A | TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	32
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBBIT42)			



POINT NO.	STATION - OFFSET		ELEVATION
	MAY ST	COLLETT ST	
100	19+46.75, 11.00′ LT	401+60.23, 53.41′ LT	614.76
101	19+58.95, 12.91′ LT	401+62.32, 41.24′ LT	614.93
102	19+65.66, 11.00′ LT	401+60.51, 34.50′ LT	615.51
103	19+69.99, 18.45′ LT	401+68.02, 30.28′ LT	615.11
104	19+75.03, 32.01′ LT	401+81.66, 25.44′ LT	614.70
105	19+78.81, 27.09′ LT	401+76.79, 21.58′ LT	615.28
106	19+84.58, 11.00′ LT	401+60.79, 15.58′ LT	616.31
107	19+84.58, 20.00′ LT	401+69.79, 15.71′ LT	616.07
108	19+84.58, 30.00′ LT	401+79.79, 15.86′ LT	615.80
109	19+84.58, 38.01′ LT	401+87.80, 15.98′ LT	615.45
110	19+88.00, ℄	401+49.84, 12.00′ LT	616.45
111	20+00.00, ℄	401+50.02, ℄	616.69
112		401+61.02, ℄	616.63
113		401+70.02, ℄	616.57
114		401+80.02, ℄	616.51
115		401+87.80, ℄	616.47
116	19+46.75, 11.00′ RT	401+38.23, 53.08′ LT	614.76
117	19+67.54, 11.00′ RT	401+38.54, 32.30′ LT	615.60
118	19+75.19, 12.52′ RT	401+37.13, 24.62′ LT	615.76
119	19+77.54, 11.00′ RT	401+38.69, 22.30′ LT	616.03
120	19+76.96, 31.00′ RT	401+18.68, 22.58′ LT	615.20
121	19+81.68, 16.86′ RT	401+32.89, 18.07′ LT	615.93
122	19+86.02, 23.35′ RT	401+26.47, 13.64′ LT	616.08
123	19+87.54, 11.00′ RT	401+38.83, 12.30′ LT	616.48
124	19+87.54, 20.00′ RT	401+29.83, 12.17′ LT	616.37
125	19+87.54, 31.00′ RT	401+18.84, 12.00′ LT	616.25
126	19+97.99, 10.13′ RT	401+39.85, 1.86′ LT	616.70
127	19+99.84, 11.00′ RT	401+39.02, ℄	616.72
128	19+99.70, 20.00′ RT	401+30.01, ℄	616.74
129	19+99.56, 30.00′ RT	401+20.01, ℄	616.76
130	19+99.54, 31.00′ RT	401+19.01, ℄	616.75
131		401+87.80, 12.00′ RT	616.44
132		401+80.19, 12.00′ RT	616.42
133		401+70.19, 12.00′ RT	616.40
134		401+60.19, 12.00′ RT	616.39
135		401+50.19, 12.00′ RT	616.45
136		401+40.19, 12.00′ RT	616.47
137		401+30.19, 12.00′ RT	616.64
138		401+20.19, 12.00′ RT	616.81
139		401+19.19, 12.00′ RT	616.82
140	19+46.75, 51.00′ LT	402+00.22, 54.00′ LT	
141	19+67.54, 31.00′ RT	401+18.54, 32.00′ LT	

FILE NAME = 3999-sht-IntDet03.dgn	USER NAME = JWhite	DESIGNED - TJD	REVISED -
		DRAWN - TJD	REVISED -
$MODELNAME$	PLOT SCALE = 10.0000 ' / in.	CHECKED - AWM	REVISED -
	PLOT DATE = 1/30/2018	DATE -	REVISED -

CITY OF DANVILLE

MAY ST & ROGERS ST RECONSTRUCTION
INTERSECTION DETAIL

SCALE: 1"=10' | SHEET 3 OF 3 SHEETS | STA. N/A | TO STA.N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	33
		CONTRACT NO. 91567		
	ILLINOIS	FED. AID PROJECT SHBB(742)		

B.M. #1: Chiseled "X" on S.S.W. Flange Bolt of Fire Hydrant Sta. 23+99, 31' LT. Elev. = 610.98

B.M. #2: Chiseled "□" on end of S.E. Wingwall of Existing Bridge Sta. 20+70, 22' RT. Elev. = 609.27

B.M. #3: Chiseled "X" on S.S.E. Flange Bolt of Fire Hydrant Sta. 16+61, 28' LT. Elev. = 626.26

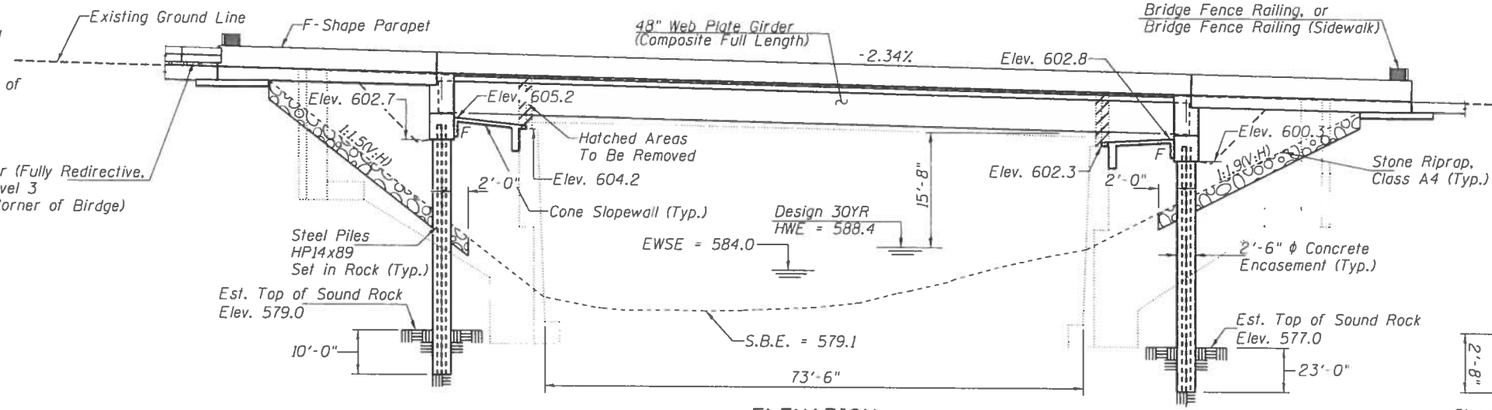
Existing Structure: Single span steel plate girder superstructure with reinforced concrete deck on closed concrete abutments supported on concrete footings. The structure is 80'-6" back to back of abutments, 38'-0" out to out of deck, with a 30'-0" face to face of curb driving surface. Built in 1955. No skew.
Structure Number 092-6010

Salvage: None

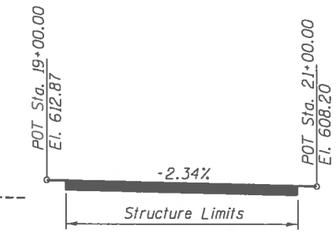
Road to be closed to traffic during construction.

Indicates Soil Boring Location

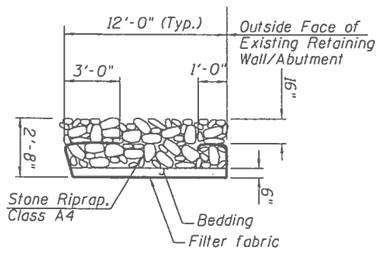
Impact Attenuator (Fully Redirective, Narrow), Test Level 3 (Typ. NE & SW Corner of Birdge)



ELEVATION

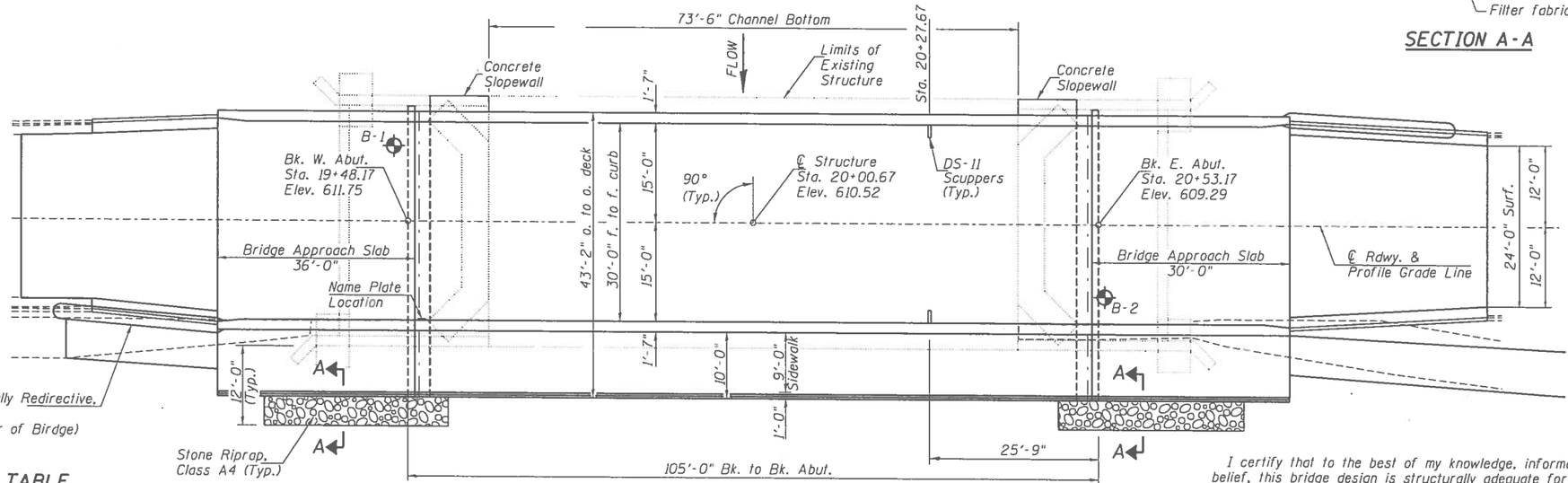


PROFILE GRADE
(Voorhees St.)



SECTION A-A

Note:
See Sheet 2 of 30 for Total Bill of Materials, Index of Sheets and Section Thru Integral Abutment.



PLAN

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevations (ft.)					Item 113
	W. Abut.	W. Abut. South Pile	E. Abut.	E. Abut. South Pile	
0100	602.7	576.4	600.3	574.0	B
0200	602.7	576.4	600.3	574.0	
Design	602.7	576.4	600.3	574.0	
Check	602.7	576.4	600.3	574.0	

Construction of this project complies with IDNR, Office of Water Resources Statewide Permit No. 12.

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.09g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.17g
Soil Site Class = C

DESIGN STRESSES

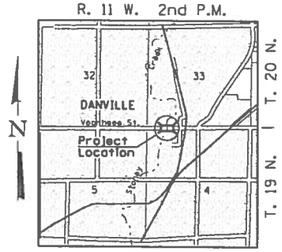
(FIELD UNITS)
f'c = 4,000 p.s.i. (Superstructure)
f'c = 3,500 p.s.i. (Substructure)
fy = 60,000 p.s.i. (Reinforcement)
fy = 50,000 p.s.i. (Structural Steel)
(AASHTO M270 Grade 50W)

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Design Specifications 7th Edition with Interims.

LOADING HL-93

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



LOCATION SKETCH

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.

Craig T. Moore 12/13/17

Illinois Structural No. 7999
Expires 11/30/2018

Lic. Exp. 11/30/18

GENERAL PLAN & ELEVATION
F.A.U. 6999 (VOOREES ST.)
OVER STONEY CREEK
SECTION 08-00330-02-PV
VERMILION COUNTY
STATION 20+00.67
STRUCTURE NO. 092-7211

DESIGNED - CTM	DATE - 10/24/2017	REVISED —	CITY OF DANVILLE
CHECKED - BAN		REVISED —	
DRAWN - CET/CTM		REVISED —	
CHECKED - BAN		REVISED —	

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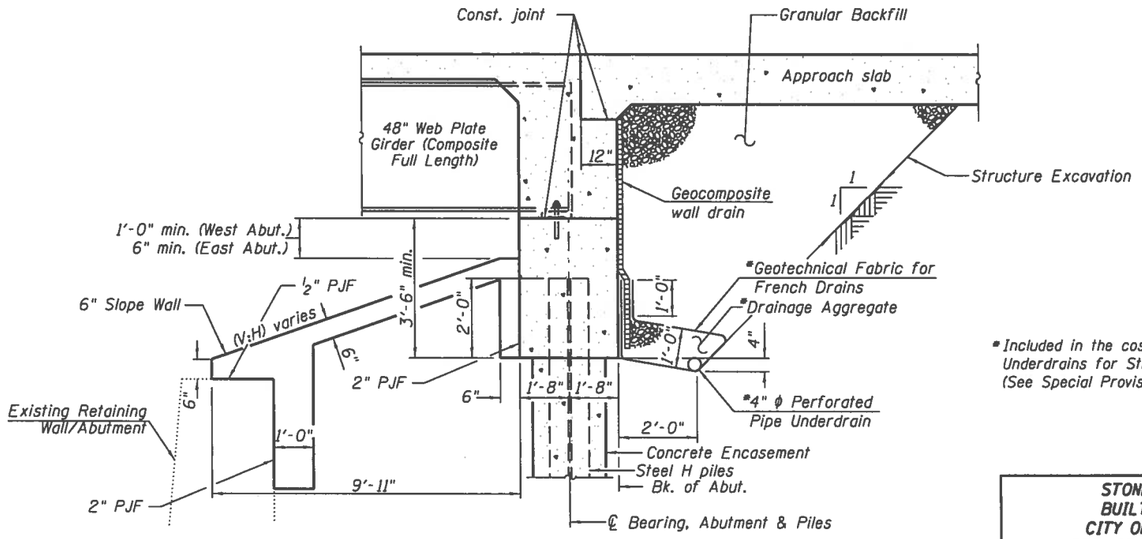
GENERAL PLAN & ELEVATION
SHEET NO. 1 OF 30 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	34
	SN 092-7211	CONTRACT NO. 91567		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBI(142)		



*Included in the cost of Pipe Underdrains for Structures (See Special Provisions)

SECTION THRU INTEGRAL ABUTMENT

Note:
All drainage system components shall extend to inside face of each existing wingwall except the *pipe underdrain shall extend to the outside face of existing wingwalls. A *hole shall be drilled into the existing wingwalls for the pipe underdrain to exit through.

GENERAL NOTES

Fasteners shall be ASTM A325 type 3. Bolts $\frac{3}{4}$" ϕ. holes $\frac{15}{16}$" ϕ. unless otherwise noted.

Calculated weight of Structural Steel = 124,310 lb (AASHTO M270 Gr. 50W)

All structural steel shall be AASHTO M270 Gr. 50W.

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

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

Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required.

Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

See Special Provisions for soil boring logs.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall be not cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection for the approach slabs.

STONEY CREEK
BUILT 201_ BY
CITY OF DANVILLE
SEC. 08-00330-02-PV
VOORHEES ST. STATION 20+00.67
F.A. PROJ. SHBBI(742)
STR. NO. 092-7211 LOADING HL-93

NAME PLATE

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

INDEX OF SHEETS

TOTAL BILL OF MATERIAL

	ITEM	UNIT	SUPER	SUB	TOTAL
	Stone Riprap, Class A4	SQ YD	——	95	95
	Filter Fabric	SQ YD	——	95	95
	Granular Backfill for Structures	CU YD	——	120	120
①	Removal of Existing Superstructure	EACH	——	——	1
	Structure Excavation	CU YD	——	415	415
	Concrete Structures	CU YD	——	68.2	68.2
	Concrete Superstructure	CU YD	194.8	——	194.8
	Concrete Superstructure (Approach Slab)	CU YD	148.6	——	148.6
	Bridge Deck Grooving	SQ YD	525	——	525
	Protective Coat	SQ YD	970	——	970
	Furnishing and Erecting Structural Steel	L SUM	1	——	1
	Reinforcement Bars, Epoxy Coated	POUND	96,140	7,300	103,440
	Stud Shear Connectors	EACH	2,466	——	2,466
	Anchor Bolts, 1"	EACH	——	24	24
①	Structural Repair of Concrete (Depth equal to or less than 5")	SQ FT	——	36	36
①	Structural Repair of Concrete (Depth more than 5")	SQ FT	——	47	47
	Slope Wall 6 Inch	SQ YD	——	85	85
	Furnishing Steel Piles HP14x89	FOOT	——	595	595
①	Setting Piles in Rock	EACH	——	14	14
	Name Plates	EACH	1	——	1
	Concrete Encasement	CU YD	——	59.8	59.8
①	Bridge Fence Railing (Sidewalk)	FOOT	168	——	168
①	Bridge Fence Railing	FOOT	168	——	168
	Concrete Removal	CU YD	——	41.7	41.7
	Geocomposite Wall Drain	SQ YD	——	56	56
①	Pipe Underdrains For Structures 4"	FOOT	——	76	76
	Drainage Scuppers, DS-11	EACH	2	——	2

① See Special Provisions

DESIGNED - CTM	REVISED ——	CITY OF DANVILLE	BILL OF MATERIAL, DETAILS AND GENERAL NOTES
CHECKED - BAN	REVISED ——		
DRAWN - CET/CTM	REVISED ——		SHEET NO. 2 OF 30 SHEETS
CHECKED - BAN	REVISED ——		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	35
	SN 092-7211	CONTRACT NO. 91567		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBBI(742)		

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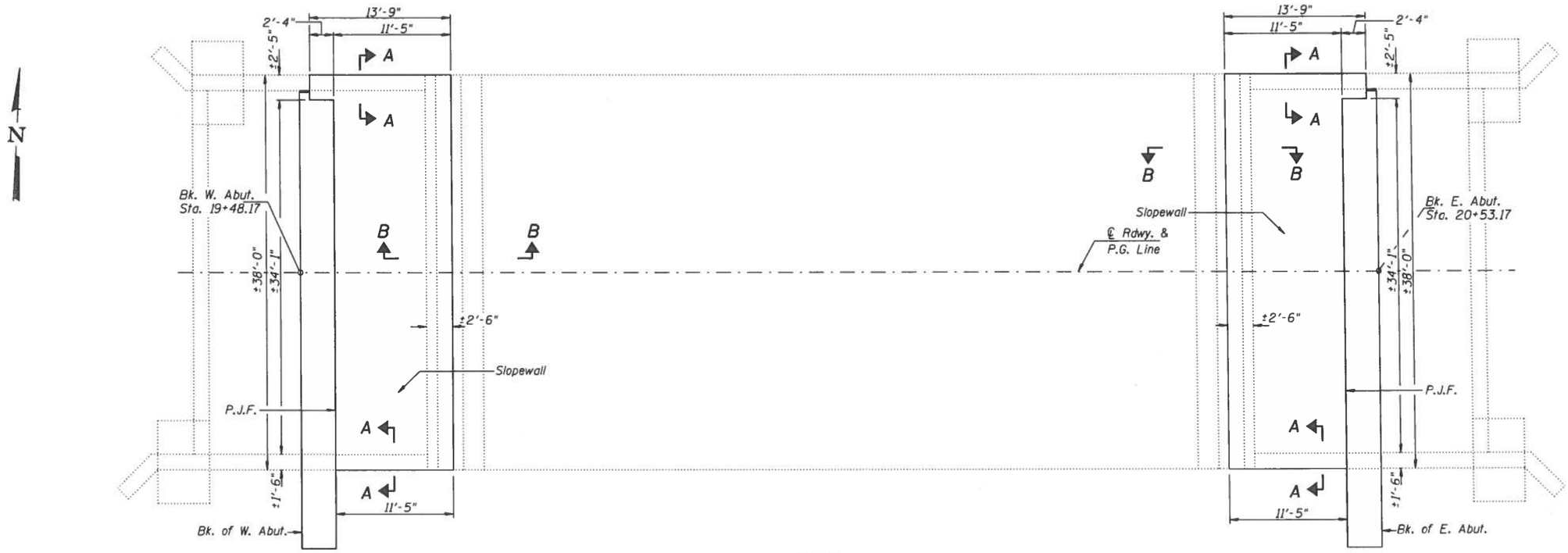
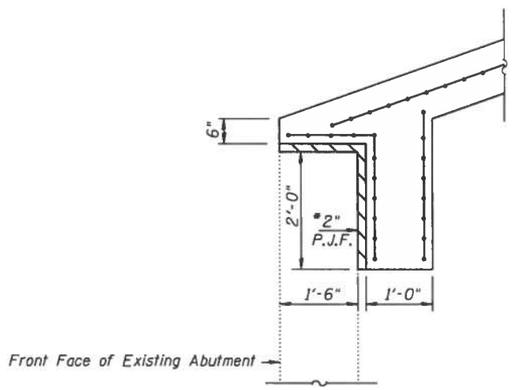
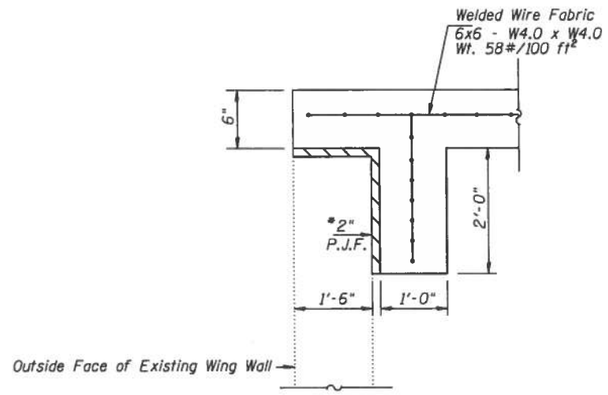


PLAN



SECTION B-B



SECTION A-A

*Cost included with Slope Wall 6 Inch.

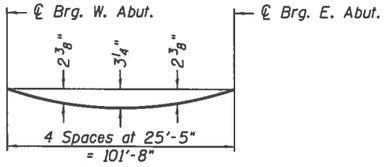
Note:
Slopewall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Slope Wall 6 Inch	SQ YD	85

DESIGNED - CTM		REVISED	CITY OF DANVILLE	SLOPE WALL DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - BAN		REVISED			6999	08-00330-02-PV	VERMILION	79	36
DRAWN - CET/CTM		REVISED				SN 092-7211	CONTRACT NO. 91567		
CHECKED - BAN		REVISED		SHEET NO. 3 OF 30 SHEETS	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBBIT42)		

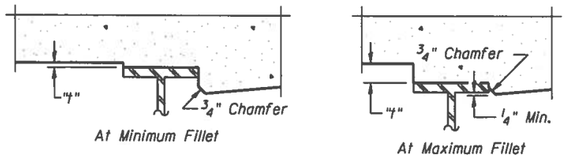
V:\3999 - Voorhees St over Stoney Creek & Detour (Danville)\CADD\CADD Sheets\3999b003.dgn



DEAD LOAD DEFLECTION DIAGRAM

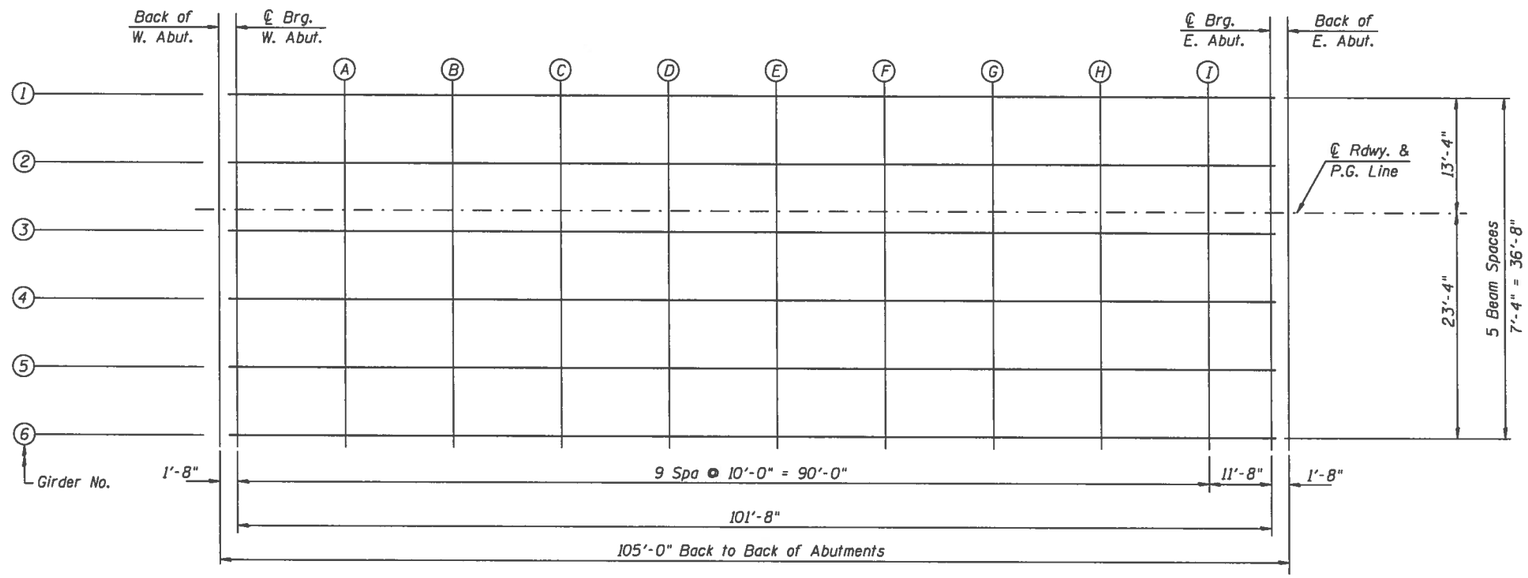
(Includes weight of concrete only.)

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 5 of 30.



To determine "t": After all structural steel has 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" shown in tables on Sht. 5 of 30, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



TOP OF SLAB ELEVATIONS

DESIGNED - CTM		REVISED	CITY OF DANVILLE	TOP OF SLAB ELEVATIONS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - BAN		REVISED			6999	08-00330-02-PV	VERMILION	79	37
DRAWN - CET/CTM		REVISED		SHEET NO. 4 OF 30 SHEETS		SN 092-7211	CONTRACT NO. 91567		
CHECKED - BAN		REVISED			FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBI(742)		

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BEAM #1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abutment	19+48.17	-13.33	611.53	611.53
CL Brg W. Abut.	19+49.84	-13.33	611.49	611.49
A	19+59.84	-13.33	611.26	611.34
B	19+69.84	-13.33	611.02	611.18
C	19+79.84	-13.33	610.79	611.01
D	19+89.84	-13.33	610.56	610.81
E	19+99.84	-13.33	610.32	610.59
F	20+09.84	-13.33	610.09	610.35
G	20+19.84	-13.33	609.86	610.08
H	20+29.84	-13.33	609.62	609.79
I	20+39.84	-13.33	609.39	609.49
CL Brg E. Abut.	20+51.50	-13.33	609.12	609.12
Bk E. Abutment	20+53.17	-13.33	609.08	609.08

BEAM #2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abutment	19+48.17	-6.00	611.65	611.65
CL Brg W. Abut.	19+49.84	-6.00	611.61	611.61
A	19+59.84	-6.00	611.38	611.46
B	19+69.84	-6.00	611.15	611.30
C	19+79.84	-6.00	610.91	611.13
D	19+89.84	-6.00	610.68	610.94
E	19+99.84	-6.00	610.45	610.72
F	20+09.84	-6.00	610.21	610.47
G	20+19.84	-6.00	609.98	610.20
H	20+29.84	-6.00	609.74	609.91
I	20+39.84	-6.00	609.51	609.61
CL Brg E. Abut.	20+51.50	-6.00	609.24	609.24
Bk E. Abutment	20+53.17	-6.00	609.20	609.20

PROFILE GRADE LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abutment	19+48.17	0.00	611.75	611.75
CL Brg W. Abut.	19+49.84	0.00	611.71	611.71
A	19+59.84	0.00	611.47	611.56
B	19+69.84	0.00	611.24	611.40
C	19+79.84	0.00	611.01	611.22
D	19+89.84	0.00	610.77	611.03
E	19+99.84	0.00	610.54	610.81
F	20+09.84	0.00	610.31	610.57
G	20+19.84	0.00	610.07	610.30
H	20+29.84	0.00	609.84	610.01
I	20+39.84	0.00	609.60	609.70
CL Brg E. Abut.	20+51.50	0.00	609.33	609.33
Bk E. Abutment	20+53.17	0.00	609.29	609.29

BEAM #3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abutment	19+48.17	1.33	611.72	611.72
CL Brg W. Abut.	19+49.84	1.33	611.69	611.69
A	19+59.84	1.33	611.45	611.54
B	19+69.84	1.33	611.22	611.38
C	19+79.84	1.33	610.98	611.20
D	19+89.84	1.33	610.75	611.01
E	19+99.84	1.33	610.52	610.79
F	20+09.84	1.33	610.28	610.55
G	20+19.84	1.33	610.05	610.28
H	20+29.84	1.33	609.82	609.99
I	20+39.84	1.33	609.58	609.68
CL Brg E. Abut.	20+51.50	1.33	609.31	609.31
Bk E. Abutment	20+53.17	1.33	609.27	609.27

BEAM #4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abutment	19+48.17	8.67	611.61	611.61
CL Brg W. Abut.	19+49.84	8.67	611.57	611.57
A	19+59.84	8.67	611.34	611.42
B	19+69.84	8.67	611.10	611.26
C	19+79.84	8.67	610.87	611.09
D	19+89.84	8.67	610.64	610.89
E	19+99.84	8.67	610.40	610.67
F	20+09.84	8.67	610.17	610.43
G	20+19.84	8.67	609.94	610.16
H	20+29.84	8.67	609.70	609.87
I	20+39.84	8.67	609.47	609.57
CL Brg E. Abut.	20+51.50	8.67	609.20	609.20
Bk E. Abutment	20+53.17	8.67	609.16	609.16

BEAM #5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abutment	19+48.17	16.00	611.47	611.47
CL Brg W. Abut.	19+49.84	16.00	611.44	611.44
A	19+59.84	16.00	611.20	611.29
B	19+69.84	16.00	610.97	611.13
C	19+79.84	16.00	610.73	610.95
D	19+89.84	16.00	610.50	610.76
E	19+99.84	16.00	610.27	610.54
F	20+09.84	16.00	610.03	610.30
G	20+19.84	16.00	609.80	610.03
H	20+29.84	16.00	609.57	609.74
I	20+39.84	16.00	609.33	609.43
CL Brg E. Abut.	20+51.50	16.00	609.06	609.06
Bk E. Abutment	20+53.17	16.00	609.02	609.02

BEAM #6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abutment	19+48.17	23.33	611.32	611.32
CL Brg W. Abut.	19+49.84	23.33	611.28	611.28
A	19+59.84	23.33	611.05	611.13
B	19+69.84	23.33	610.82	610.97
C	19+79.84	23.33	610.58	610.80
D	19+89.84	23.33	610.35	610.61
E	19+99.84	23.33	610.12	610.39
F	20+09.84	23.33	609.88	610.14
G	20+19.84	23.33	609.65	609.87
H	20+29.84	23.33	609.41	609.58
I	20+39.84	23.33	609.18	609.28
CL Brg E. Abut.	20+51.50	23.33	608.91	608.91
Bk E. Abutment	20+53.17	23.33	608.87	608.87

DESIGNED - CTM		REVISED	CITY OF DANVILLE	TOP OF SLAB ELEVATIONS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - BAN		REVISED			6999	08-00330-02-PV	VERMILION	79	38
DRAWN - CET/CTM		REVISED				SN 092-7211	CONTRACT NO. 91567		
CHECKED - BAN		REVISED		SHEET NO. 5 OF 30 SHEETS	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBI(742)		

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INSIDE FACE OF NORTH PARAPET

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Approach Slab	19+13.17	-15.00	612.31
A	19+23.17	-15.00	612.08
B	19+33.17	-15.00	611.85
C	19+43.17	-15.00	611.61
E. End W. Approach Slab	19+49.17	-15.00	611.47

NORTH EDGE OF ROADWAY PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Approach Slab	19+13.17	-12.00	612.37
A	19+23.17	-12.00	612.14
B	19+33.17	-12.00	611.91
C	19+43.17	-12.00	611.67
E. End W. Approach Slab	19+49.17	-12.00	611.53

℄ ROADWAY & PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Approach Slab	19+13.17	0.00	612.56
A	19+23.17	0.00	612.33
B	19+33.17	0.00	612.10
C	19+43.17	0.00	611.86
E. End W. Approach Slab	19+49.17	0.00	611.72

SOUTH EDGE OF ROADWAY PAVEMENT

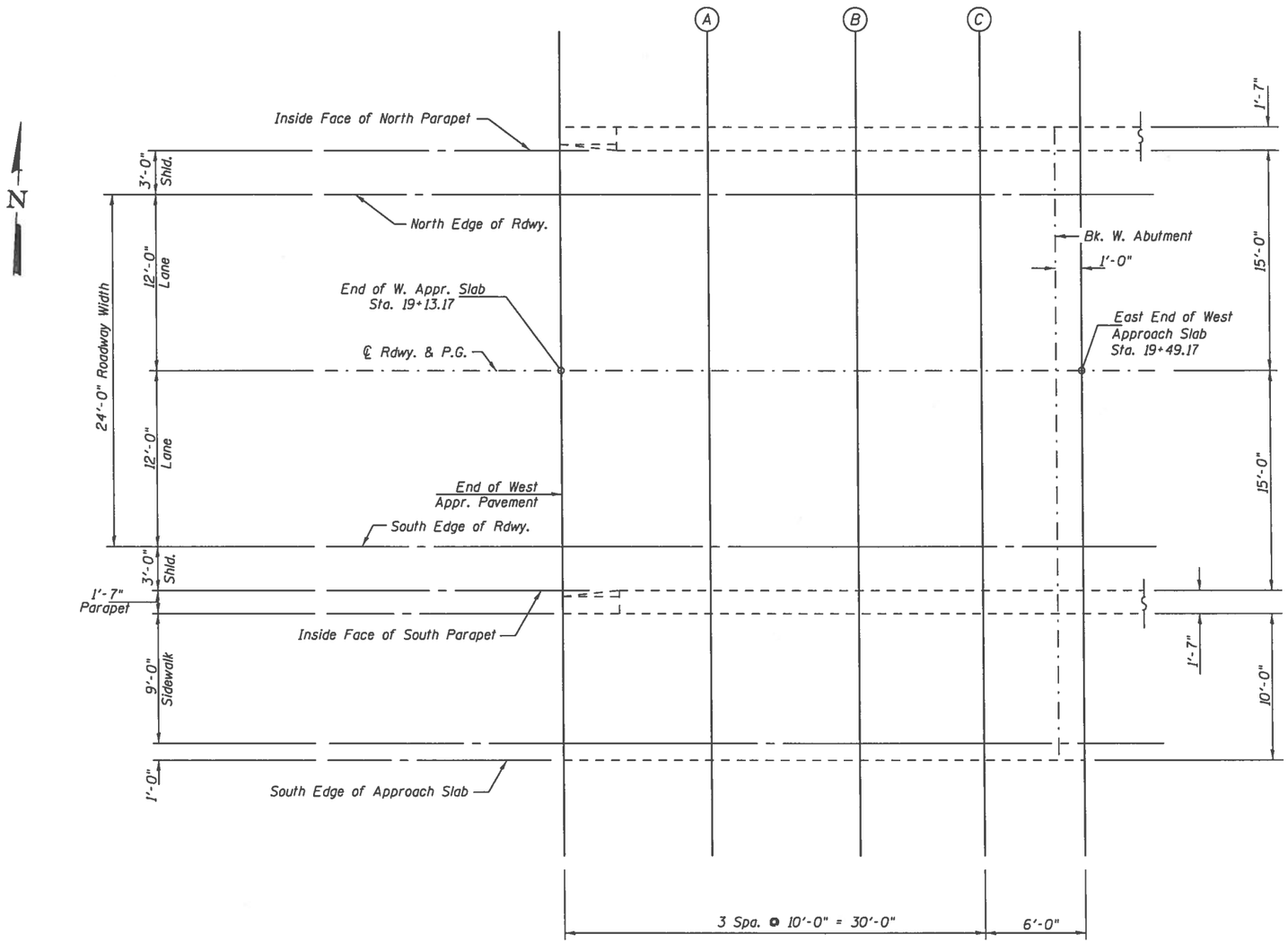
Location	Station	Offset	Theoretical Grade Elevations
W. End W. Approach Slab	19+13.17	12.00	612.37
A	19+23.17	12.00	612.14
B	19+33.17	12.00	611.91
C	19+43.17	12.00	611.67
E. End W. Approach Slab	19+49.17	12.00	611.53

INSIDE FACE OF SOUTH PARAPET

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Approach Slab	19+13.17	15.00	612.31
A	19+23.17	15.00	612.08
B	19+33.17	15.00	611.85
C	19+43.17	15.00	611.61
E. End W. Approach Slab	19+49.17	15.00	611.47

SOUTH EDGE OF APPROACH SLAB

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Approach Slab	19+13.17	26.58	612.07
A	19+23.17	26.58	611.84
B	19+33.17	26.58	611.60
C	19+43.17	26.58	611.37
E. End W. Approach Slab	19+49.17	26.58	611.23



PLAN WEST APPROACH SLAB

DESIGNED - CTM		REVISED —	CITY OF DANVILLE
CHECKED - BAN		REVISED —	
DRAWN - CET/CTM		REVISED —	
CHECKED - BAN		REVISED —	

TOP OF WEST APPROACH SLAB ELEVATIONS

SHEET NO. 6 OF 30 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	39
	SN 092-7211	CONTRACT NO. 91567		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBBI(42)		

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INSIDE FACE OF NORTH PARAPET

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Approach Slab	20+52.17	-15.00	609.07
A	20+62.17	-15.00	608.83
B	20+72.17	-15.00	608.60
E. End E. Approach Slab	20+82.17	-15.00	608.37

NORTH EDGE OF ROADWAY PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Approach Slab	20+52.17	-12.00	609.13
A	20+62.17	-12.00	608.90
B	20+72.17	-12.00	608.66
E. End E. Approach Slab	20+82.17	-12.00	608.43

℄ ROADWAY & PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Approach Slab	20+52.17	0.00	609.32
A	20+62.17	0.00	609.08
B	20+72.17	0.00	608.85
E. End E. Approach Slab	20+82.17	0.00	608.62

SOUTH EDGE OF ROADWAY PAVEMENT

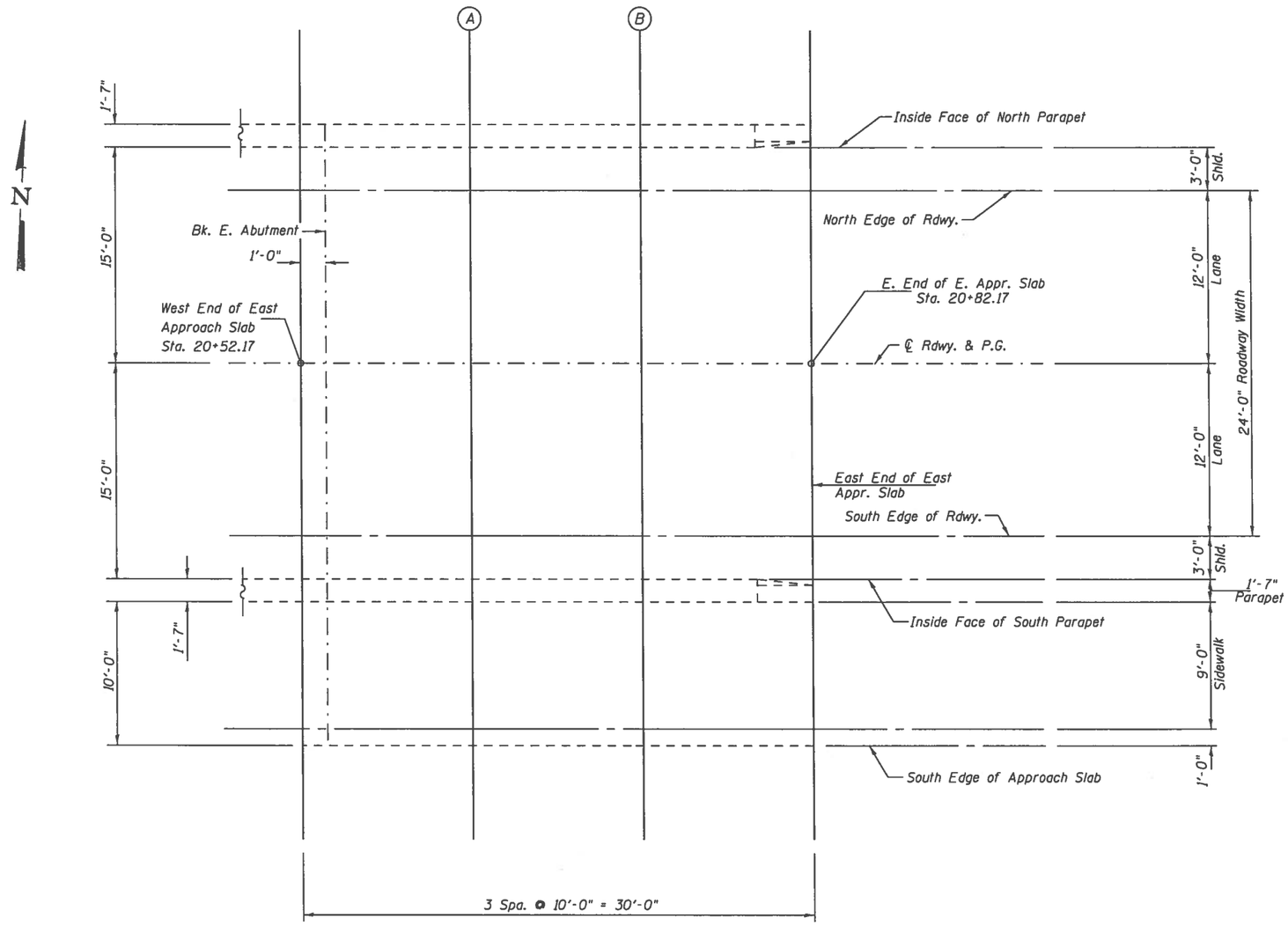
Location	Station	Offset	Theoretical Grade Elevations
W. End E. Approach Slab	20+52.17	12.00	609.13
A	20+62.17	12.00	608.90
B	20+72.17	12.00	608.66
E. End E. Approach Slab	20+82.17	12.00	608.43

INSIDE FACE OF SOUTH PARAPET

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Approach Slab	20+52.17	15.00	609.07
A	20+62.17	15.00	608.83
B	20+72.17	15.00	608.60
E. End E. Approach Slab	20+82.17	15.00	608.37

SOUTH EDGE OF APPROACH SLAB

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Approach Slab	20+52.17	26.58	608.83
A	20+62.17	26.58	608.59
B	20+72.17	26.58	608.36
E. End E. Approach Slab	20+82.17	26.58	608.13



PLAN EAST APPROACH SLAB

DESIGNED - CTM	REVISED	CITY OF DANVILLE	TOP OF EAST APPROACH SLAB ELEVATIONS
CHECKED - BAN	REVISED		
DRAWN - CET/CTM	REVISED		SHEET NO. 7 OF 30 SHEETS
CHECKED - BAN	REVISED		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	40
	SN 092-7211	CONTRACT NO. 91567		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBI(742)		

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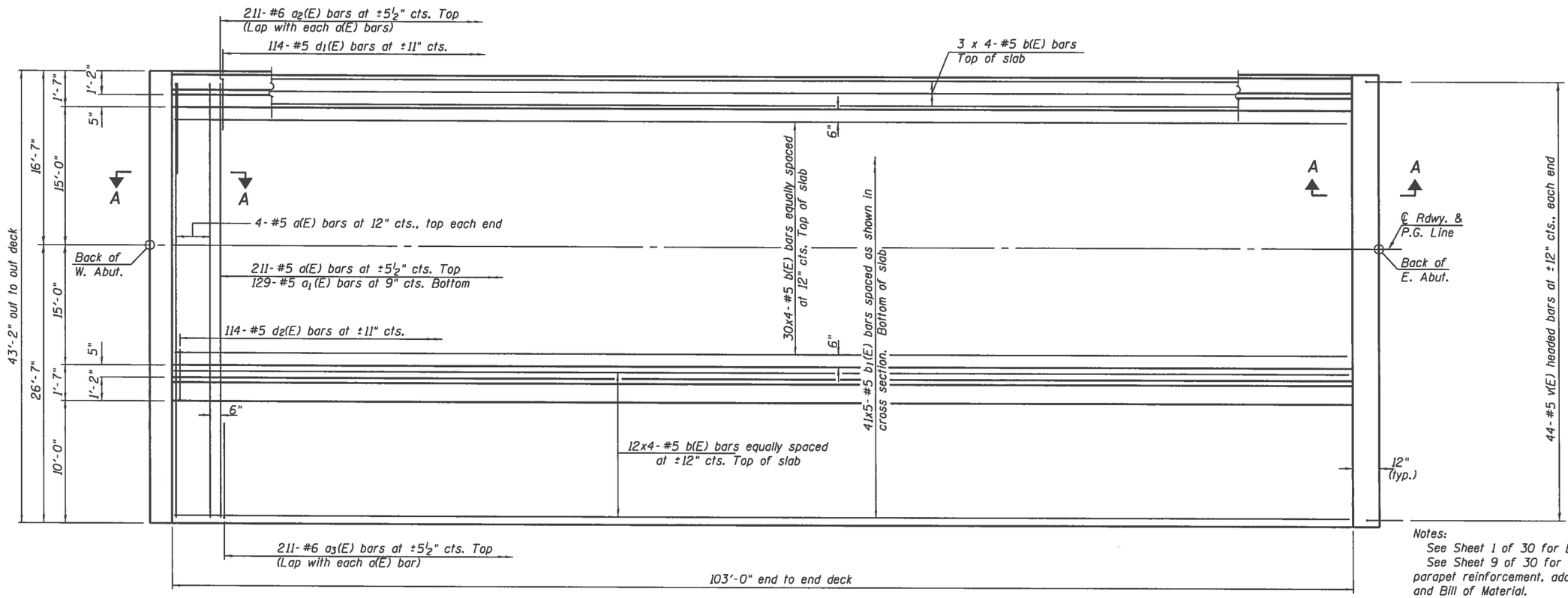
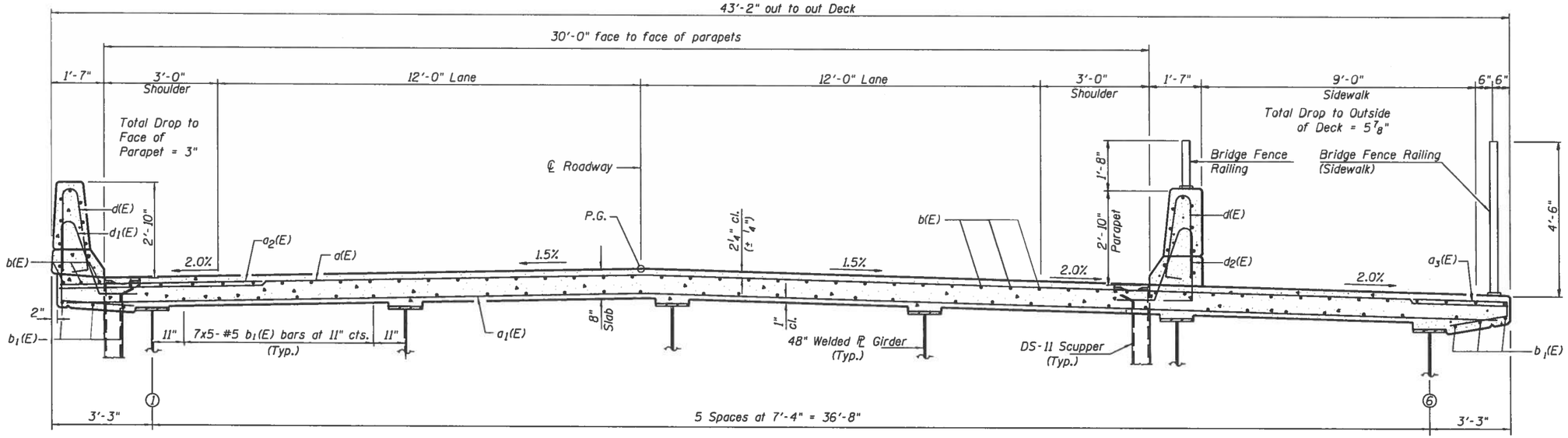


PLAN

Notes:
See Sheet 1 of 30 for Drainage Scupper locations.
See Sheet 9 of 30 for superstructure details, parapet reinforcement, additional scupper reinforcement and Bill of Material.
Bars indicated thus 30 x 4-#5 etc. indicates 30 lines of bars with 4 lengths per line.
See Sheet 10 of 30 for Section A-A.
See Sheet 17 of 30 for Rail Post Spacing.



CROSS SECTION
(Looking East)

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

DESIGNED - CTM		REVISED	CITY OF DANVILLE	SUPERSTRUCTURE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - BAN		REVISED			6999	08-00330-02-PV	VERMILION	79	41
DRAWN - CET/CTM		REVISED				SN 092-7211	CONTRACT NO. 91567		
CHECKED - BAN		REVISED		SHEET NO. 8 OF 30 SHEETS	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBI(742)		

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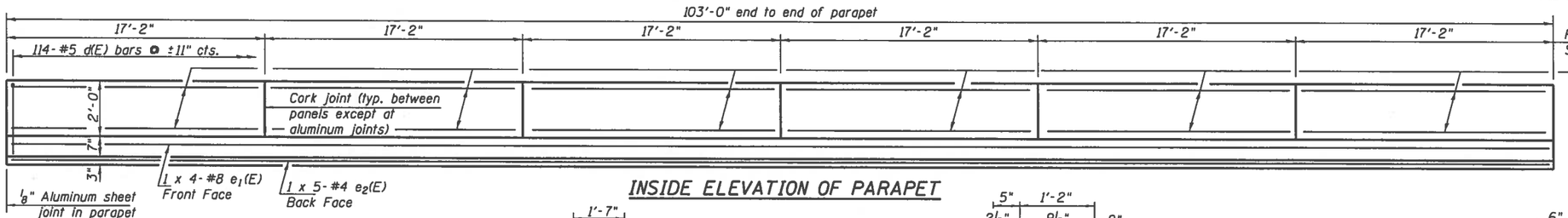
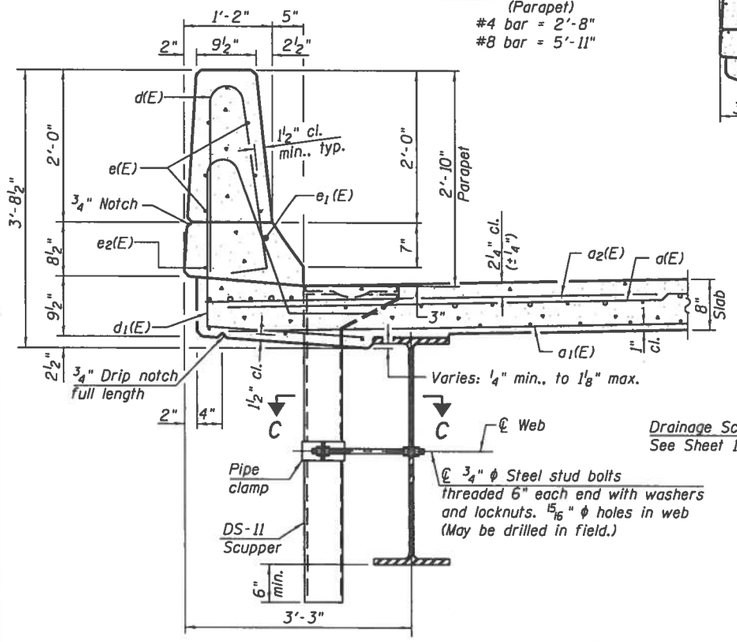


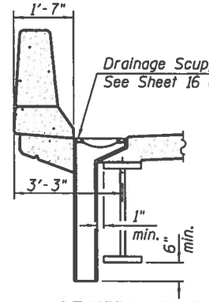
INSIDE ELEVATION OF PARAPET

MINIMUM BAR LAP

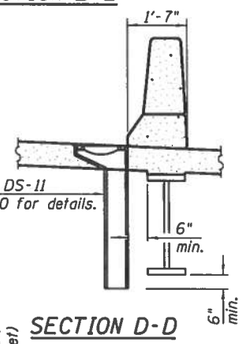
(Parapet)
#4 bar = 2'-8"
#8 bar = 5'-11"



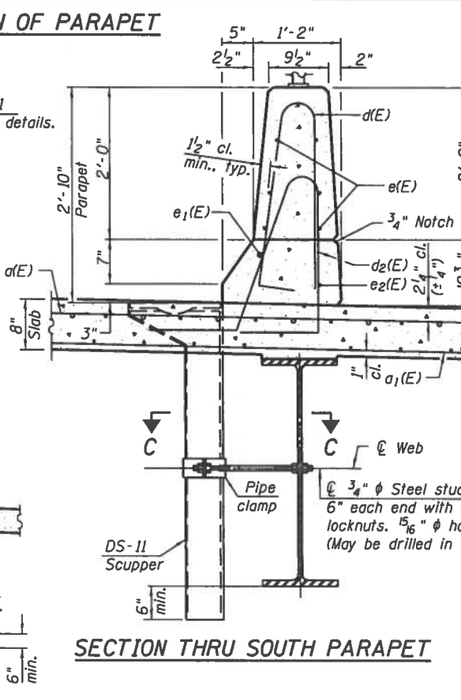
SECTION THRU NORTH PARAPET



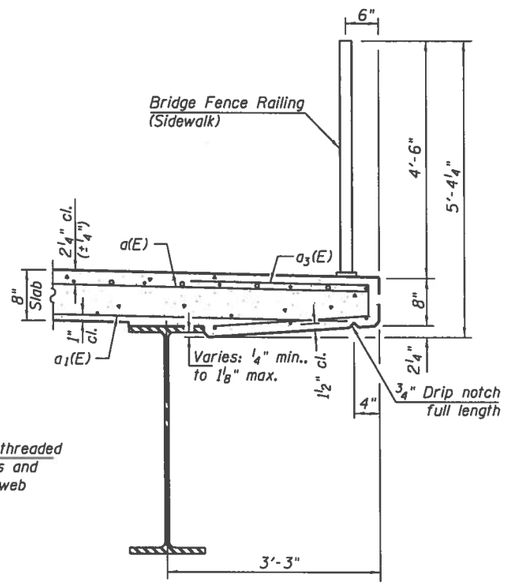
SECTION B-B



SECTION D-D



SECTION THRU SOUTH PARAPET



SECTION THRU SOUTH OVERHANG

SUPERSTRUCTURE BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a(E)	219	#5	42'-6"	
a1(E)	129	#5	41'-6"	
a2(E)	211	#6	6'-6"	
a3(E)	211	#6	9'-4"	
a7(E)	16	#5	1'-6"	
b(E)	180	#5	28'-4"	
b1(E)	205	#5	23'-4"	
d(E)	228	#5	5'-7"	
d1(E)	114	#5	8'-0"	
d2(E)	114	#5	6'-10"	
e(E)	84	#4	16'-11"	
e1(E)	8	#8	30'-2"	
e2(E)	10	#4	22'-9"	
m(E)	10	#6	42'-10"	
m1(E)	50	#6	6'-11"	
m2(E)	20	#6	2'-10"	
m3(E)	60	#5	4'-0"	
s(E)	86	#5	8'-1"	
s1(E)	86	#5	12'-6"	
v(E)	88	#5	3'-1"	
v3(E)	24	#4	3'-2"	
Reinforcement Bars, Epoxy Coated			Pound	39,160
Concrete Superstructure			Cu. Yds.	181.1

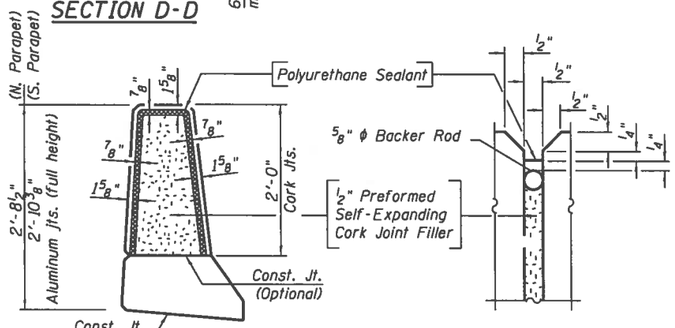
Bars indicated thus 1 x 4-#8 etc. indicates 1 line of bars with 4 lengths per line.

PLAN OF NORTH PARAPET

Cut longitudinal reinforcement to clear drainage scuppers.

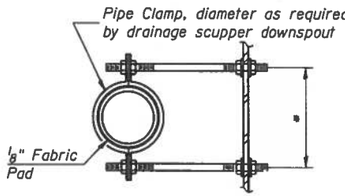
PLAN OF SOUTH PARAPET

Cut longitudinal reinforcement to clear drainage scuppers.



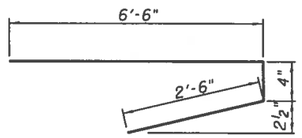
PARAPET JOINT DETAILS

Notes:
The clamping device shall be galvanized according to AASHTO M 232. Cost of clamping device included with DS-11 Scuppers.
The ⅛" Aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
The Polyurethane Sealant shall be non-staining gray one component non-sag elastomeric gun grade meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25. Use T with a ⅝" backer rod.
The ½" Preformed Self-Expanding Cork Joint Filler shall be according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.
Headed bars shall conform to ASTM A970 Class HA. Cost included with Reinforcement Bars, Epoxy Coated.

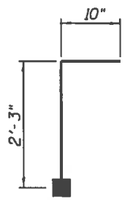


SECTION C-C

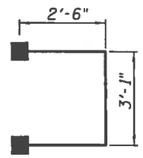
*Dimension as required by Pipe Clamp



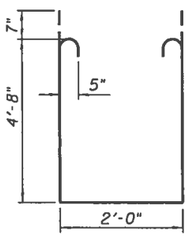
a3(E) BAR



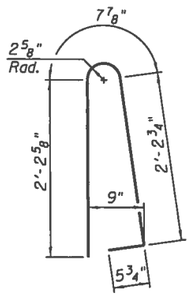
BAR v(E)
(Headed)



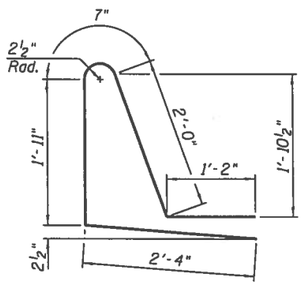
BAR s(E)
(Headed)



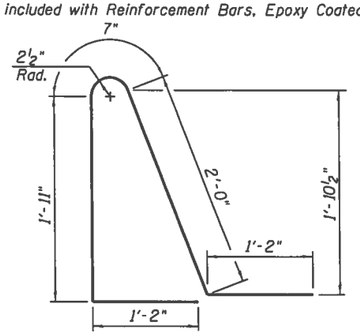
BAR s1(E)



BAR d(E)



BAR d1(E)



BAR d2(E)

DESIGNED - CTM		REVISED	
CHECKED - BAN		REVISED	
DRAWN - CET/CTM		REVISED	
CHECKED - BAN		REVISED	

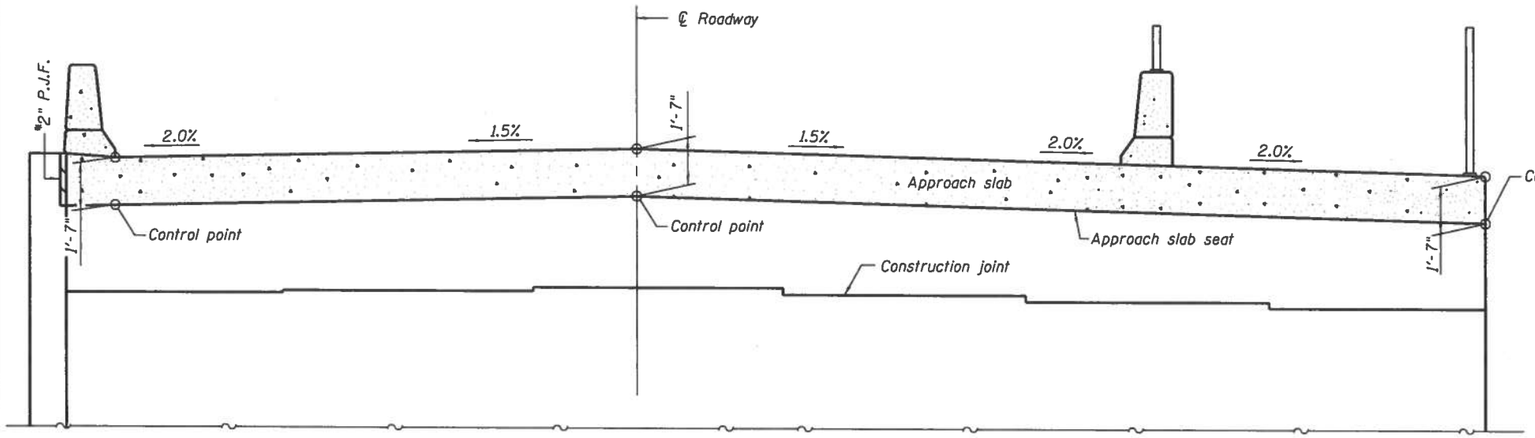
CITY OF DANVILLE

SUPERSTRUCTURE DETAILS

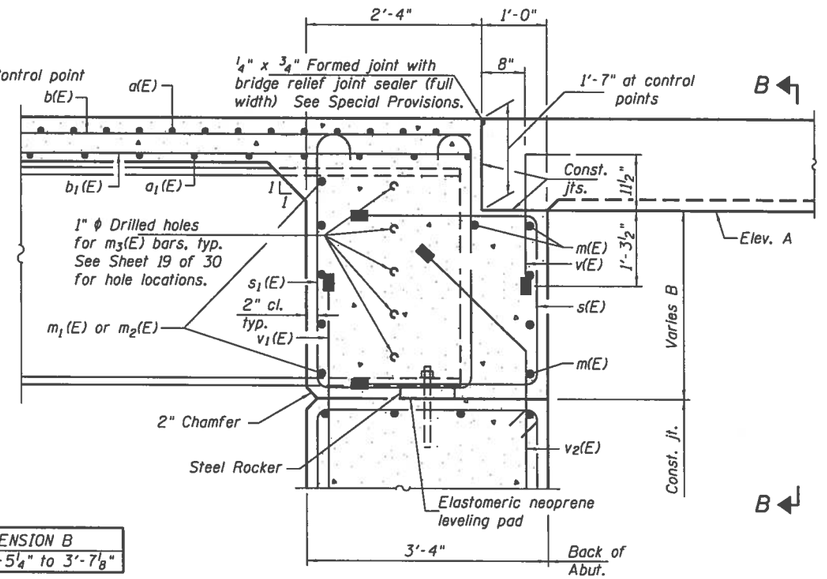
SHEET NO. 9 OF 30 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	42
	SN 092-7211	CONTRACT NO. 91567		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBBI(42)		

V:\3999 - Voorhees St over Stoney Creek & Detour (Danville)\CADD\CADD Sheets\3999b009.dgn



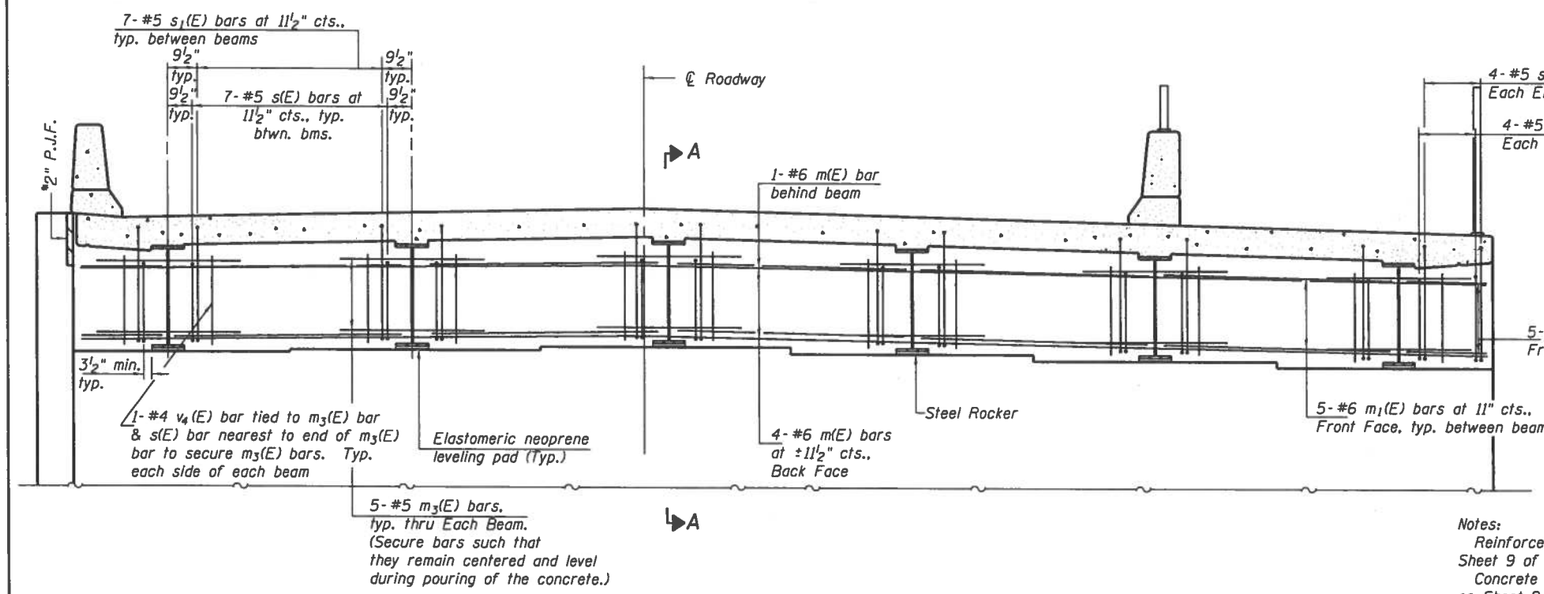
VIEW B-B
(Looking East)



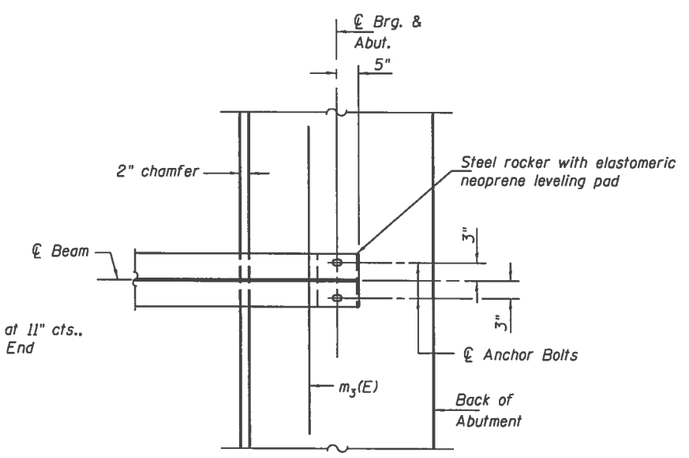
SECTION A-A

*Cost included with Concrete Structures.

ELEVATION A	DIMENSION B
Varies 609.64 to 610.13	Varies 3'-5 1/4" to 3'-7 1/8"



DIAPHRAGM AT ABUTMENT
(Looking East)

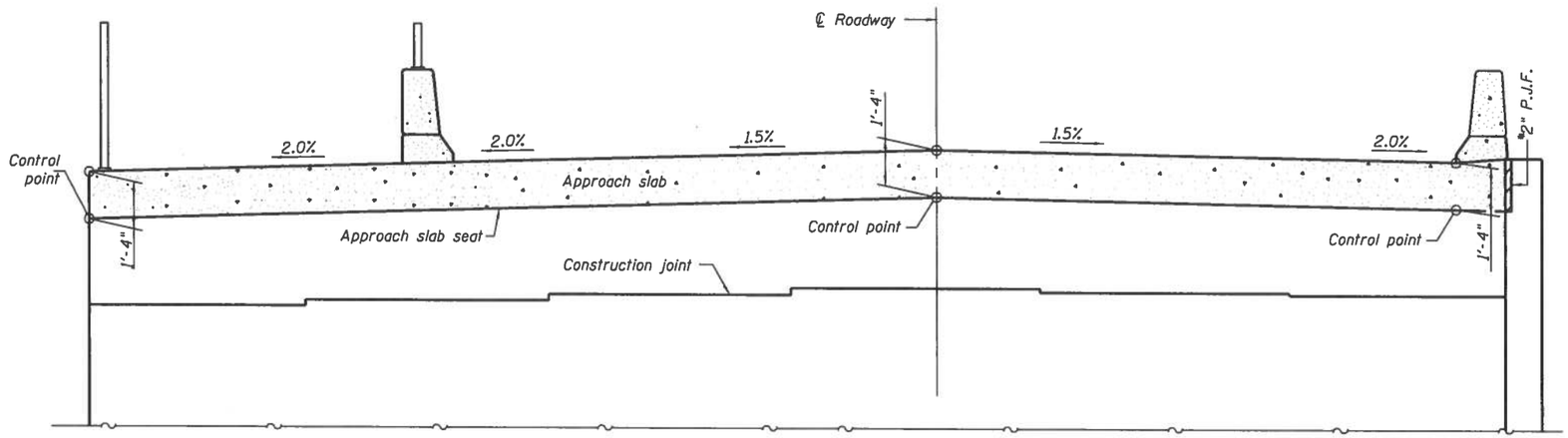


PARTIAL PLAN AT ABUTMENT
(Showing bottom flange of beam)

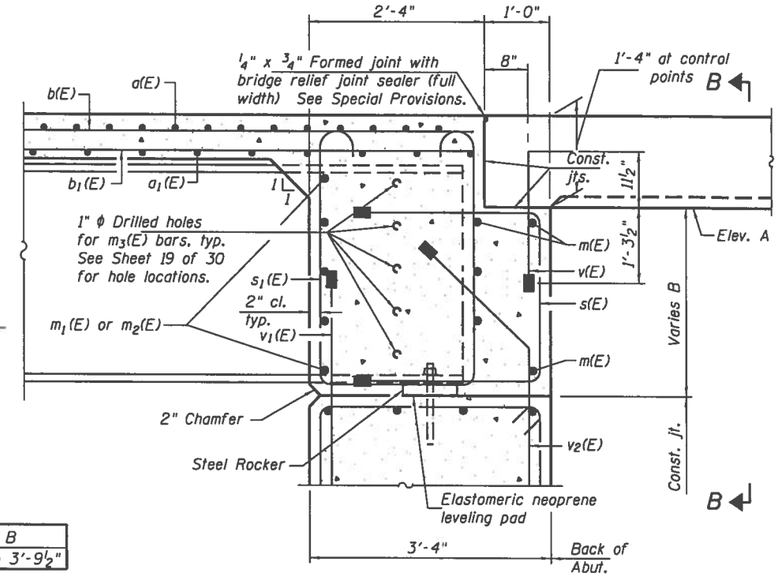
Notes:
Reinforcement bars in diaphragm are billed with superstructure on Sheet 9 of 30.
Concrete in diaphragm is included with Concrete Superstructure on Sheet 9 of 30.
See Sheet 9 of 30 for details of bars s(E), s_1(E), v(E) and v_1(E).
The approach slab seat shall have a constant slope determined from the control points shown.
See Sheet 21 of 30 for bearing details.
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DESIGNED - CTM		REVISED	CITY OF DANVILLE	WEST DIAPHRAGM DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - BAN		REVISED			6999	08-00330-02-PV	VERMILION	79	43
DRAWN - CET/CTM		REVISED				SN 092-7211	CONTRACT NO. 91567		
CHECKED - BAN		REVISED		SHEET NO. 10 OF 30 SHEETS	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBBI(42)		

V:\3999 - Voorhees St over Stoney Creek & Detour (Danville)\CADD\CADD Sheets\3999b010.dgn



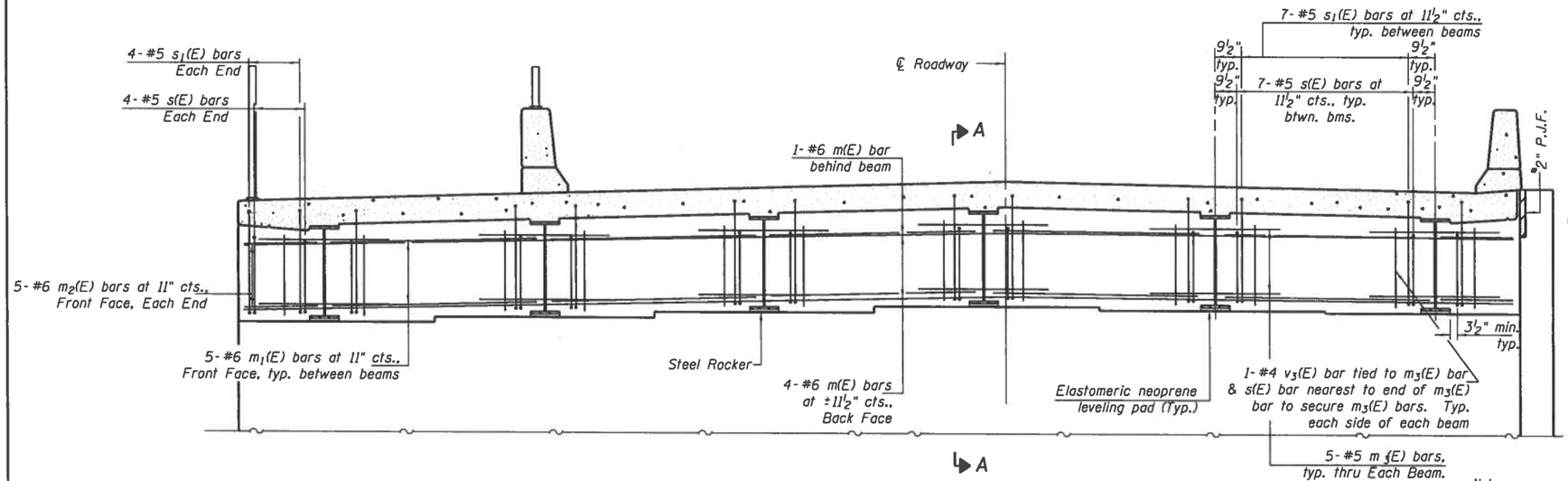
VIEW B-B
(Looking West)



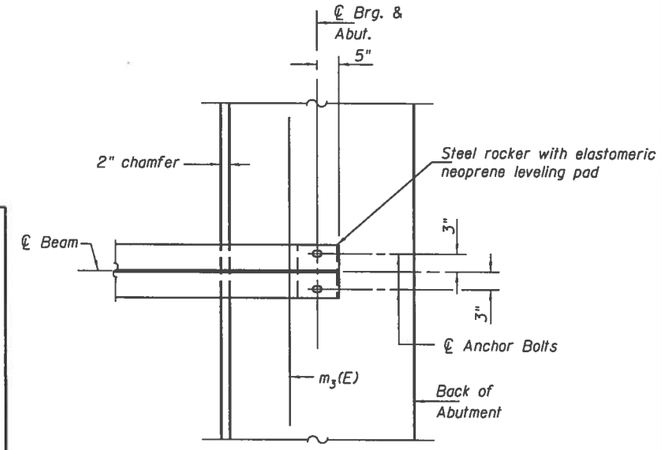
SECTION A-A

*Cost included with Concrete Structures.

ELEVATION A	DIMENSION B
Varies 607.46 to 607.96	Varies 3'-7⅝" to 3'-9½"



DIAPHRAGM ELEVATION AT ABUTMENT
(Looking West)



PARTIAL PLAN AT ABUTMENT
(Showing bottom flange of beam)

Notes:
Reinforcement bars in diaphragm are billed with superstructure on Sheet 9 of 30.
Concrete in diaphragm is included with Concrete Superstructure on Sheet 9 of 30.
See Sheet 9 of 30 for details of bars s(E), s_1(E), v(E) and v_1(E).
The approach slab seat shall have a constant slope determined from the control points shown.
See Sheet 21 of 30 for bearing details.
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

DESIGNED - CTM		REVISED
CHECKED - BAN		REVISED
DRAWN - CET/CTM		REVISED
CHECKED - BAN		REVISED

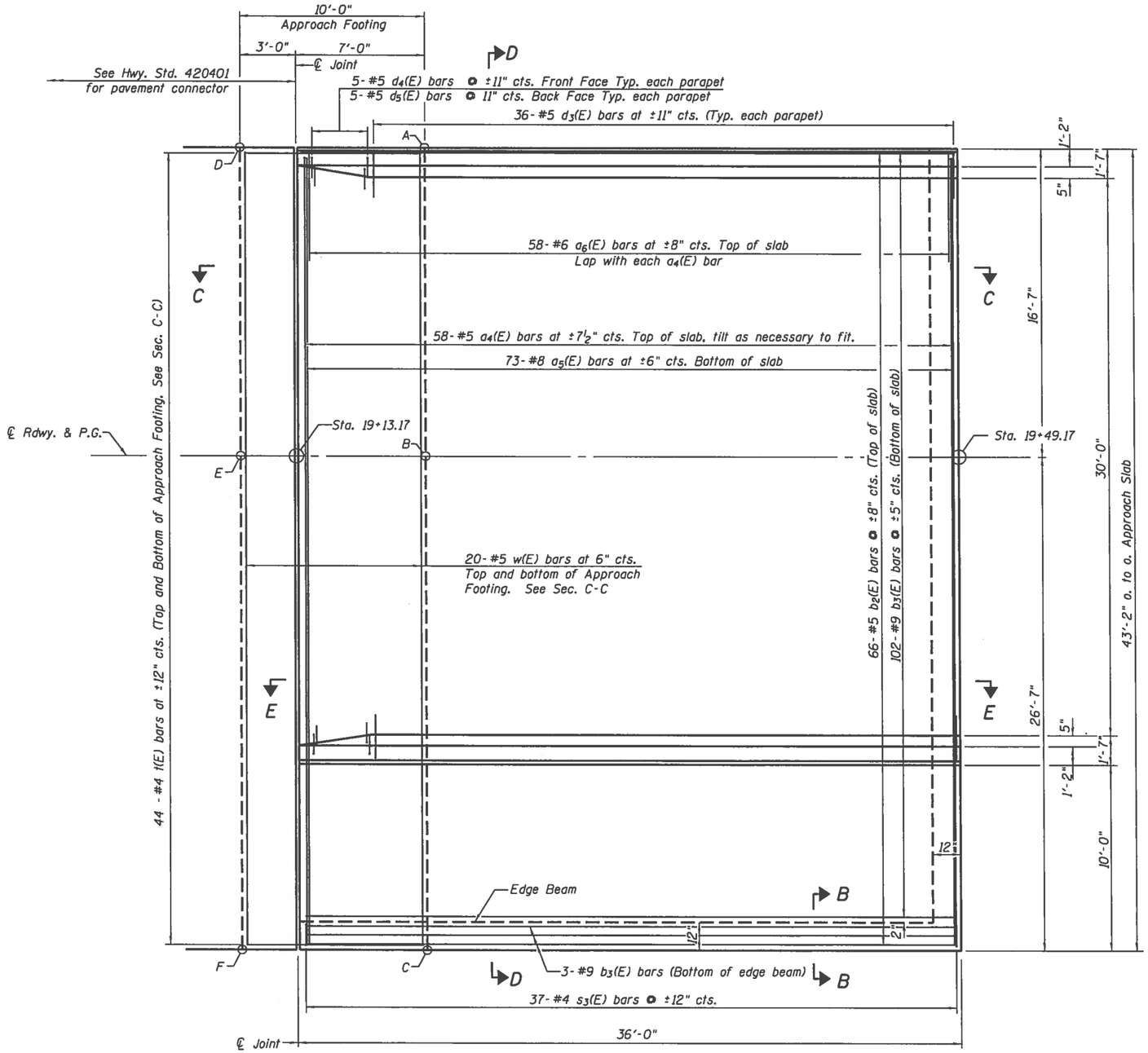
CITY OF DANVILLE

EAST DIAPHRAGM DETAILS

SHEET NO. 11 OF 30 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	44
	SN 092-7211	CONTRACT NO. 91567		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT BRS-SHBR(742)		

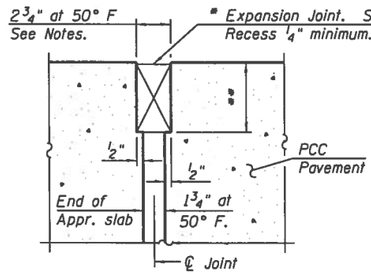
V:\3999 - Voorhees St over Stoney Creek & Detour (Danville)\CADD\CADD Sheets\3999b011.dgn



PLAN

Notes:
See sheet 13 of 30 for Sections C-C & D-D and View E-E.
The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement.

N

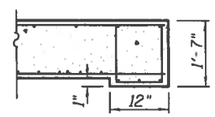


DETAIL A

* Cost included with Concrete Superstructure (Approach Slab).
** Per manufacturer recommendations

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTINGS

POINT	TOP	BOTTOM
A	610.53	609.70
B	610.82	609.98
C	610.32	609.49
D	610.77	609.93
E	611.05	610.22
F	610.56	609.72

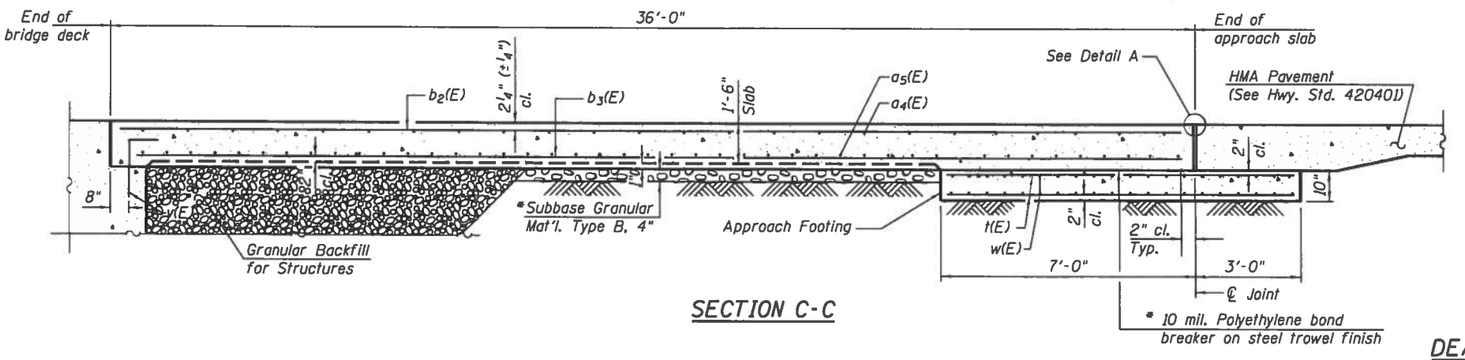


VIEW B-B

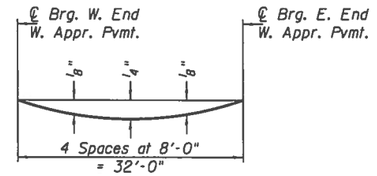
DESIGNED - CTM		REVISED —	CITY OF DANVILLE	WEST BRIDGE APPROACH SLAB DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - BAN		REVISED —			6999	08-00330-02-PV	VERMILION	79	45
DRAWN - CET/CTM		REVISED —				SN 092-7211	CONTRACT NO. 91567		
CHECKED - BAN		REVISED —		SHEET NO. 12 OF 30 SHEETS	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT BRS-SHBBIT42)		

V:\3999 - Voorhees St over Stoney Creek & Detour (Danville)\CADD\CADD Sheets\3999b012.dgn

Notes:
See Sheet 12 of 30 for Detail A.
See Sheet 9 of 30 for v(E) bar details.
Parapet concrete shall be paid for as Concrete Superstructure.
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 (Qmax) = 2.4 ksf.
Cost of excavation for approach footing included with Concrete Structures.
For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 30.

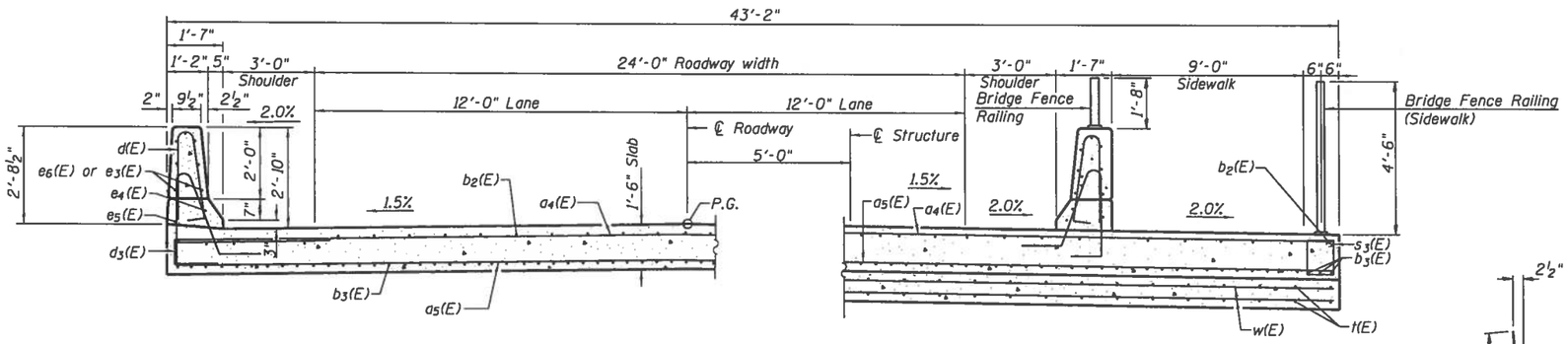


SECTION C-C



DEAD LOAD DEFLECTION DIAGRAM FOR SIDEWALK OVERHANG
(Includes weight of concrete only.)

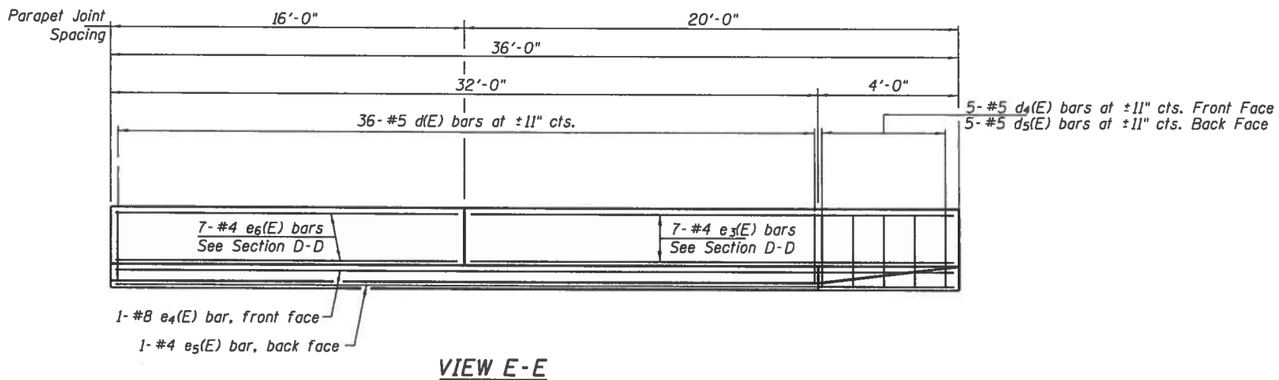
* Cost included with Concrete Superstructure (Approach Slab).
** Per manufacturer recommendations



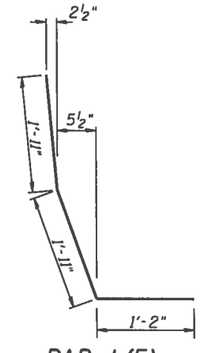
NEAR ABUTMENT

AT APPROACH FOOTING

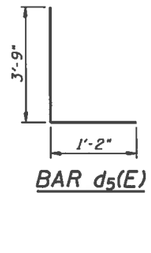
SECTION D-D
(Looking East)



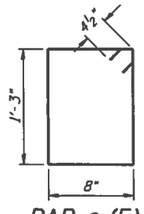
VIEW E-E
(Parapet rail spacing shown on Sh. 17 of 30.)



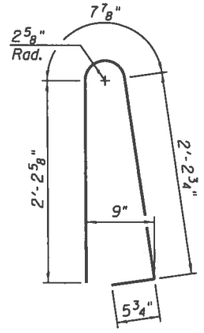
BAR d_4(E)



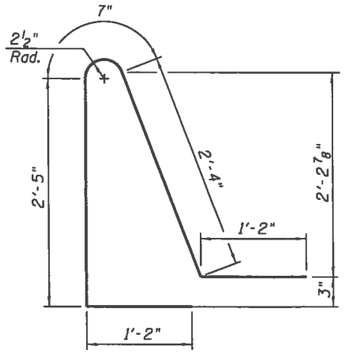
BAR d_5(E)



BAR s_3(E)



BAR d(E)



BAR d_3(E)

WEST APPROACH SLAB BILL OF MATERIAL

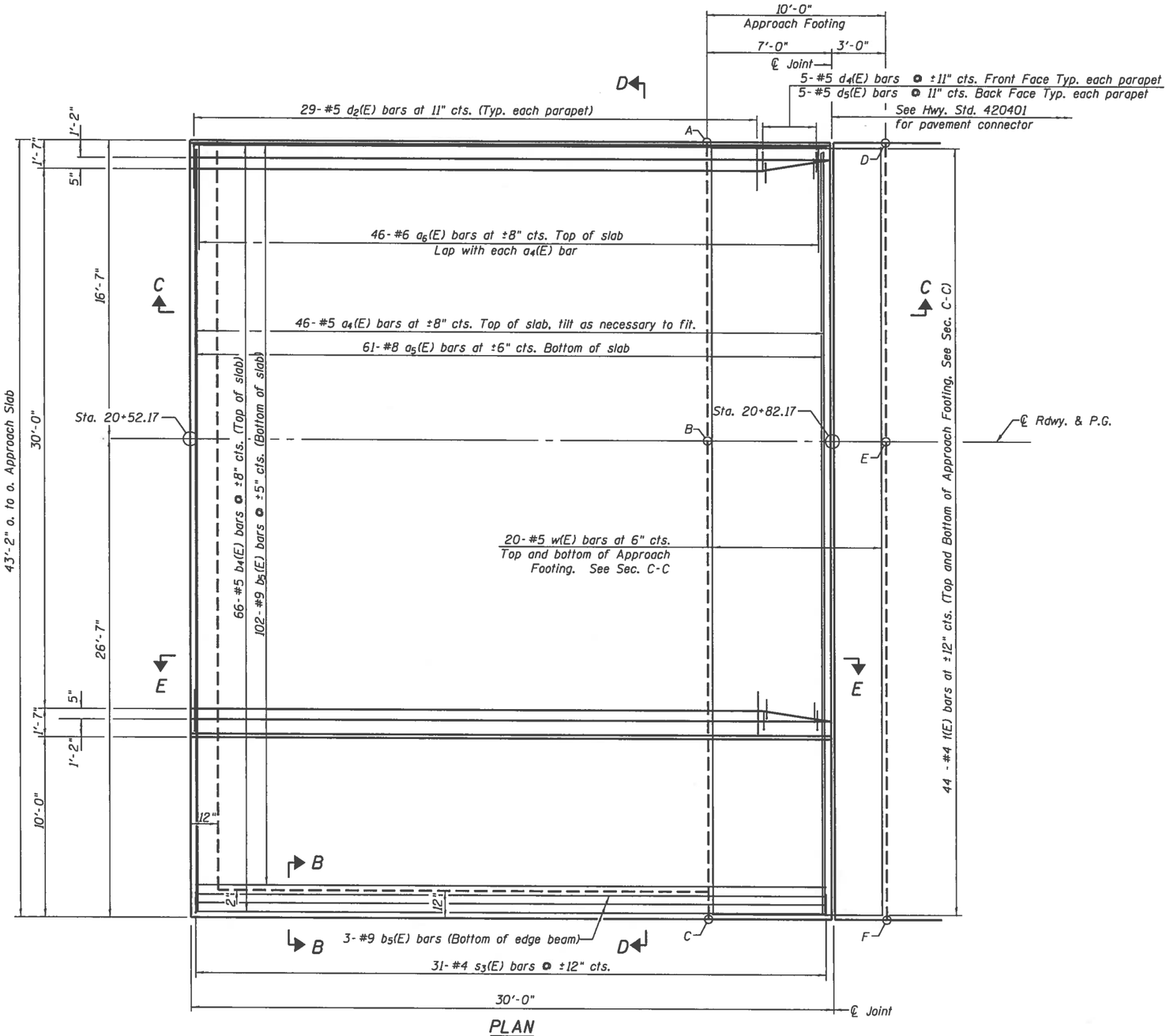
BAR	NO.	SIZE	LENGTH	SHAPE
a_4(E)	58	#5	42'-10"	
a_5(E)	73	#8	42'-10"	
a_6(E)	58	#6	6'-6"	
b_2(E)	66	#5	35'-8"	
b_3(E)	105	#9	35'-8"	
d(E)	72	#5	5'-7"	
d_3(E)	72	#5	7'-8"	
d_4(E)	14	#5	5'-0"	
d_5(E)	14	#5	4'-11"	
e_3(E)	14	#4	19'-8"	
e_4(E)	2	#8	35'-8"	
e_5(E)	2	#4	35'-8"	
e_6(E)	14	#4	15'-8"	
s_3(E)	37	#5	4'-7"	
t(E)	88	#4	9'-8"	
w(E)	40	#5	42'-10"	
Concrete Superstructure		CU YD	7.5	
Concrete Superstructure (Approach Slab)		CU YD	87.5	
Concrete Structures		CU YD	13.3	
Reinforcement Bars, Epoxy Coated		POUND	30,940	

DESIGNED - CTM	REVISED	CITY OF DANVILLE	WEST APPROACH SLAB DETAILS
CHECKED - BAN	REVISED		
DRAWN - CET/CTM	REVISED		SHEET NO. 13 OF 30 SHEETS
CHECKED - BAN	REVISED		

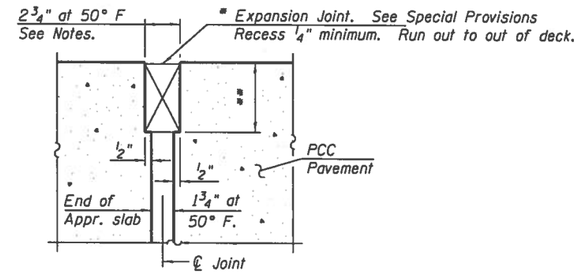
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	46
	SN 092-7211	CONTRACT NO. 91567		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBBIT42)		

V:\3999 - Voorhees St over Stoney Creek & Detour (Danville)\CADD\CADD Sheets\3999b013.dgn

Notes:
See sheet 15 of 30 for Sections C-C & D-D and View E-E.
The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement.



PLAN

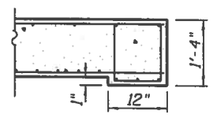


DETAIL A

* Cost included with Concrete Superstructure (Approach Slab).
** Per manufacturer recommendations

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTINGS

POINT	TOP	BOTTOM
A	607.16	606.33
B	607.45	606.61
C	606.96	606.12
D	606.93	606.10
E	607.21	606.38
F	606.72	605.89

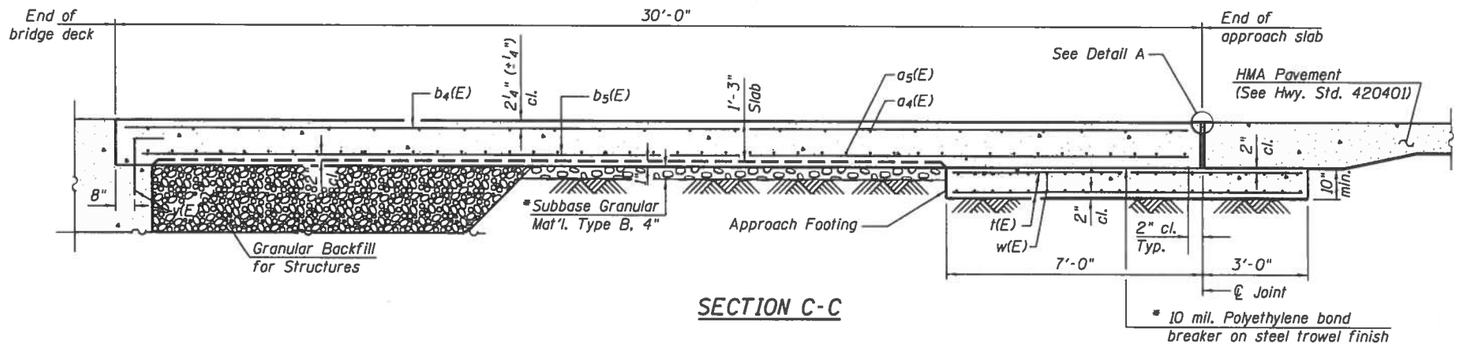


VIEW B-B

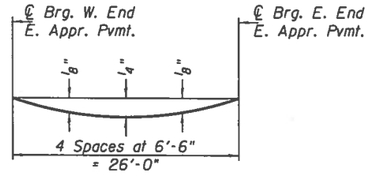
DESIGNED - CTM		REVISED	CITY OF DANVILLE	EAST APPROACH SLAB DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - BAN		REVISED			6999	08-00330-02-PV	VERMILION	79	47
DRAWN - CET/CTM		REVISED				SN 092-7211	CONTRACT NO. 91567		
CHECKED - BAN		REVISED		SHEET NO. 14 OF 30 SHEETS	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBR1742)		

V:\3999 - Voorhees St over Stoney Creek & Detour (Danville)\CADD\CADD Sheets\3999b014.dgn

Notes:
See Sheet 14 of 30 for Detail A.
Approach slab concrete shall be paid for as Concrete Superstructure.
Approach footing concrete shall be paid for as Concrete Structures.
See Sheet 9 of 30 for v(E) bar details.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
Cost of excavation for approach footing included with Concrete Structures.
See Sheet 2 of 30 for Granular Backfill for Structures and drainage treatment details.



SECTION C-C

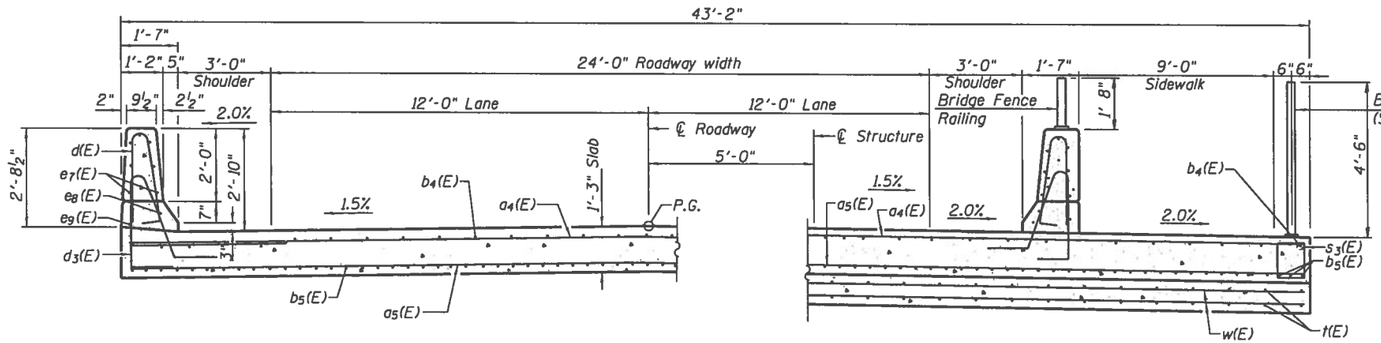


DEAD LOAD DEFLECTION DIAGRAM FOR SIDEWALK OVERHANG

(Includes weight of concrete only.)

* Cost included with Concrete Superstructure (Approach Slab).

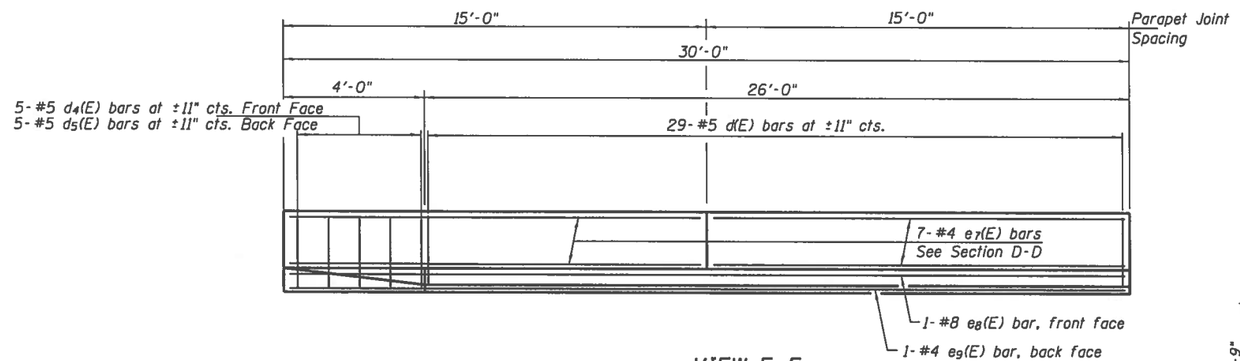
** Per manufacturer recommendations



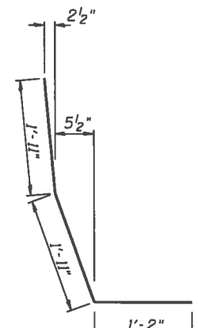
NEAR ABUTMENT

AT APPROACH FOOTING

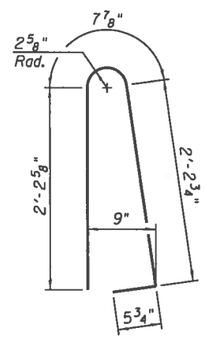
SECTION D-D
(Looking East)



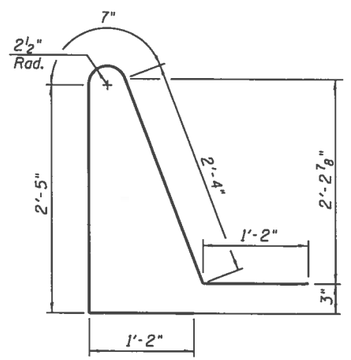
VIEW E-E
(Parapet rail spacing shown on Sh. 17 of 30.)



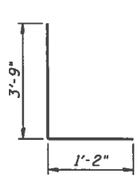
BAR d4(E)



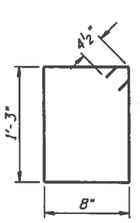
BAR d(E)



BAR d3(E)



BAR d5(E)



BAR s3(E)

EAST APPROACH SLAB BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a4(E)	46	#5	42'-10"	
a5(E)	61	#8	42'-10"	
a6(E)	46	#6	6'-6"	
b4(E)	66	#5	29'-8"	
b5(E)	105	#9	29'-8"	
d(E)	58	#5	5'-7"	
d3(E)	58	#5	7'-8"	
d4(E)	14	#5	5'-0"	
d5(E)	14	#5	4'-11"	
e7(E)	28	#4	14'-8"	
e8(E)	2	#8	29'-8"	
e9(E)	2	#4	29'-8"	
s3(E)	31	#5	4'-7"	
t(E)	88	#4	9'-8"	
w(E)	40	#5	42'-10"	
Concrete Superstructure		CU YD	6.2	
Concrete Superstructure (Approach Slab)		CU YD	61.1	
Concrete Structures		CU YD	13.3	
Reinforcement Bars, Epoxy Coated		POUND	26,040	

DESIGNED - CTM		REVISED	CITY OF DANVILLE
CHECKED - BAN		REVISED	
DRAWN - CET/CTM		REVISED	
CHECKED - BAN		REVISED	

EAST APPROACH SLAB DETAILS

SHEET NO. 15 OF 30 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	48
	SN 092-7211	CONTRACT NO. 91567		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBB(142)		

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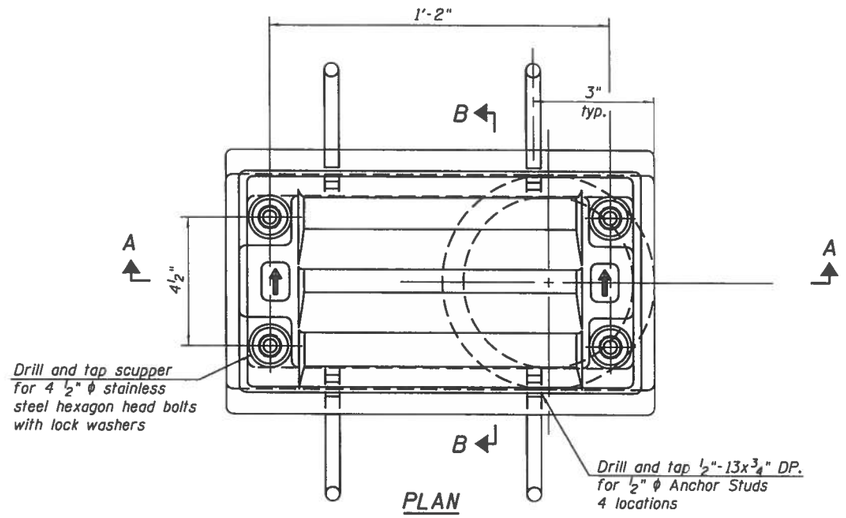
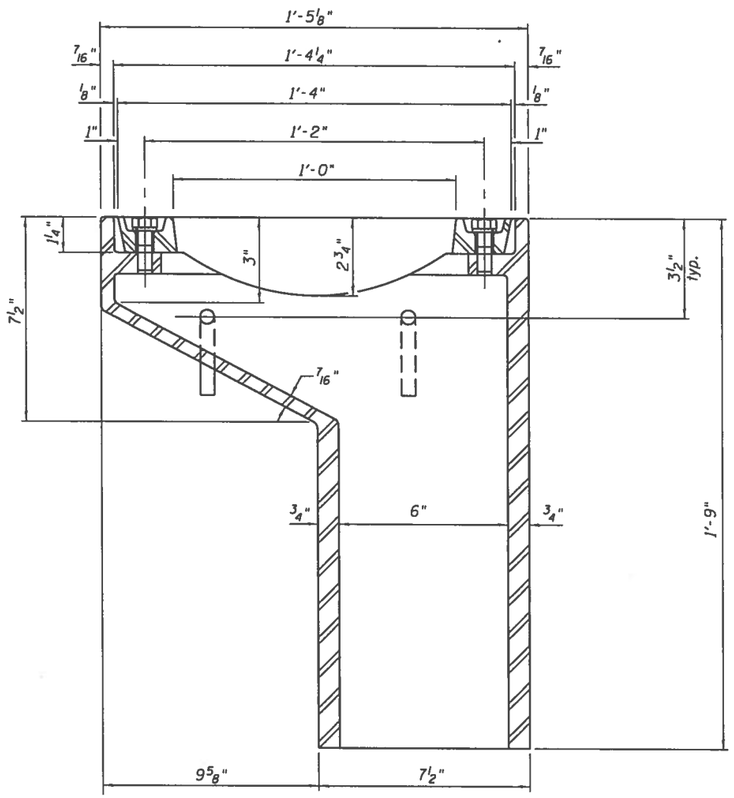
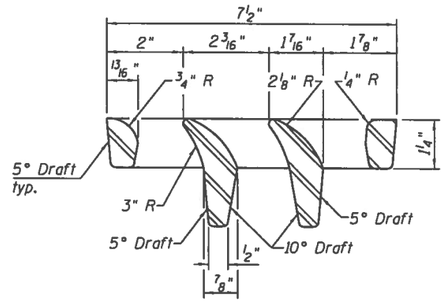


PLAN

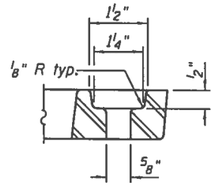


SECTION A-A

See sheet 9 of 30 for scupper location relative to parapet.



VANE GRATE DETAIL



BOLT HOLE DETAIL

Notes:

All cast iron parts shall be gray iron conforming to the requirements of AASHTO M 105, Class 35B.

Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.

Downspouts located on the exterior side of a painted steel fascia beam shall be painted with the finish coat specified for the exterior side of the fascia beam.

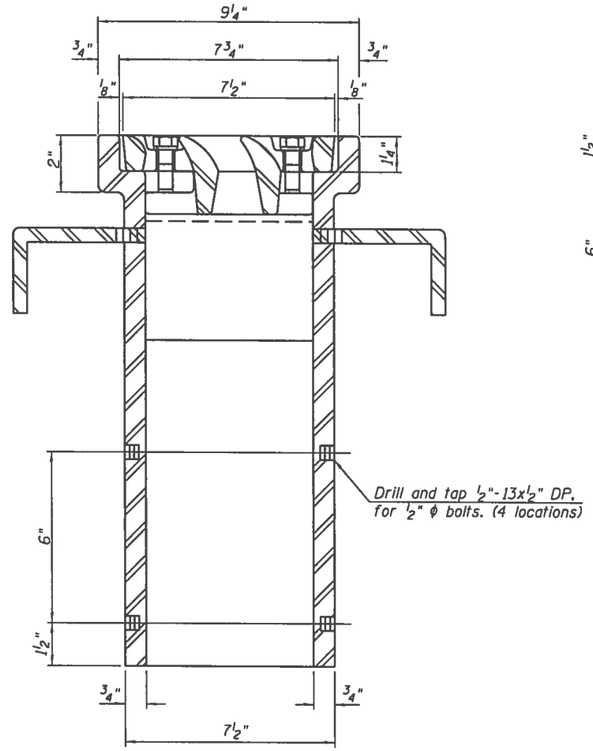
As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard Specifications.

Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frame. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and downspouts shall be galvanized according to AASHTO M111.

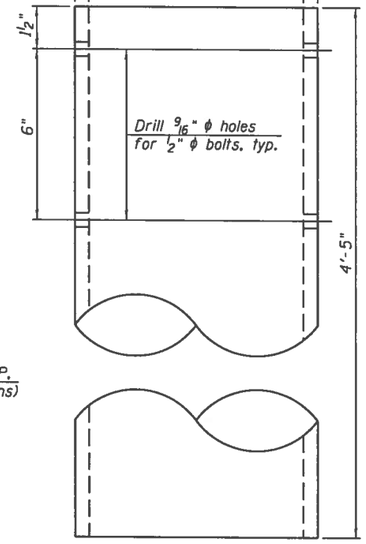
The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-11.

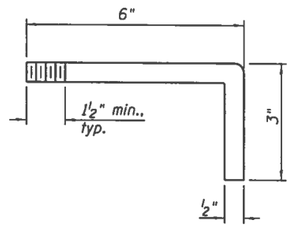
Alternate fiberglass downspout conforming to ASTM D 2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. may be used in lieu of the cast iron or steel equivalent.



SECTION B-B



DOWNSPOUT



ANCHOR STUD DETAIL

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-11	EACH	2

DESIGNED - CTM		REVISED	CITY OF DANVILLE	DRAINAGE SCUPPER, DS-11	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - BAN		REVISED			6999	08-00330-02-PV	VERMILION	79	49
DRAWN - CET/CTM		REVISED				SN 092-7211	CONTRACT NO. 91567		
CHECKED - BAN		REVISED		SHEET NO. 16 OF 30 SHEETS		FED. ROAD DIST. NO. 7 ILLINOIS	FED. AID PROJECT SHBBIT42)		

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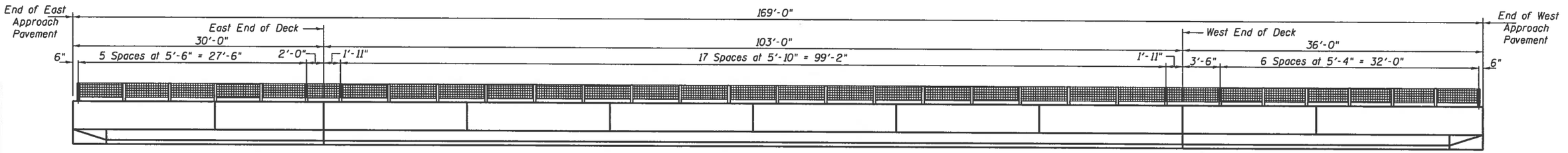
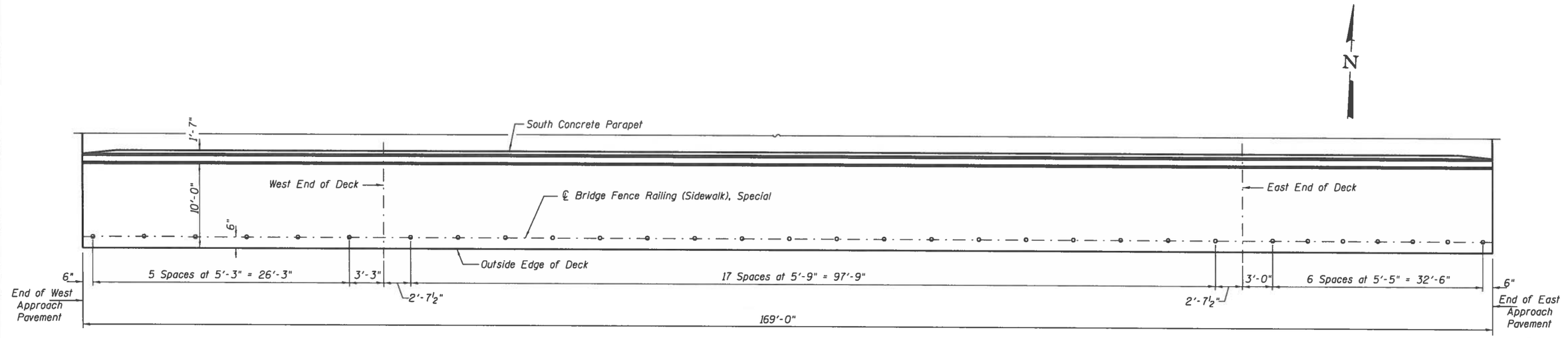


BRIDGE FENCE RAILING POST SPACING

(Inside Elevation)
(Looking South)



PLAN - SOUTH EDGE OF STUCTURE
BRIDGE FENCE RAILING (SIDEWALK) POST SPACING

DESIGNED - CTM		REVISED	CITY OF DANVILLE	RAIL POST SPACING DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
CHECKED - BAN		REVISED			6999	08-00330-02-PV	VERMILION	79 / 50
DRAWN - CET/CTM		REVISED		SHEET NO. 17 OF 30 SHEETS		SN 092-7211	CONTRACT NO. 91567	
CHECKED - BAN		REVISED				FED. ROAD DIST. NO. 7 ILLINOIS	FED. AID PROJECT SHBB(142)	

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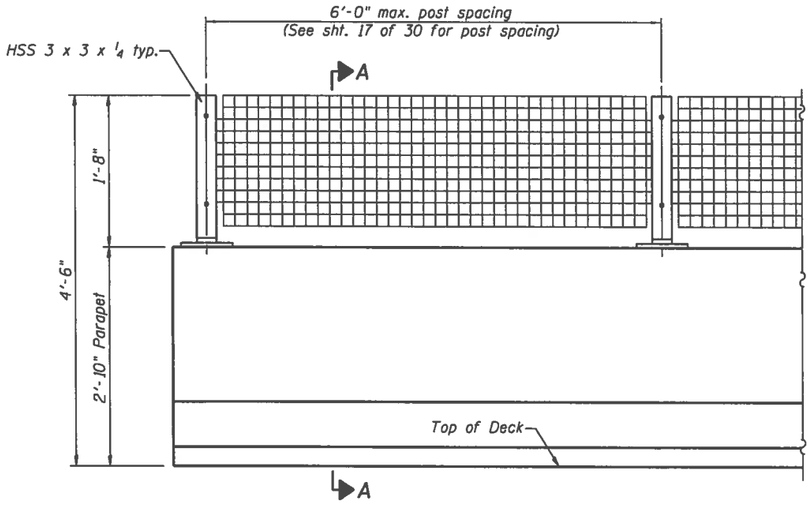
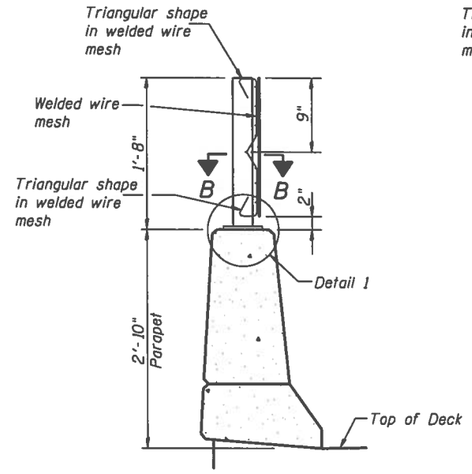
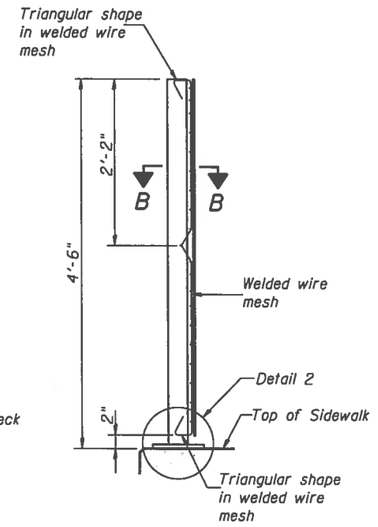


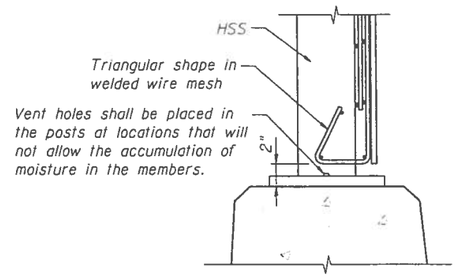
ELEVATION
(Inside Face of Bridge Fence Railing)



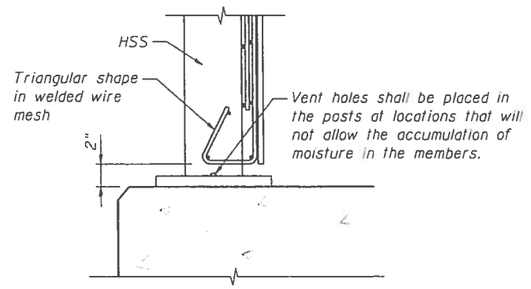
SECTION A-A
(Bridge Fence Railing)



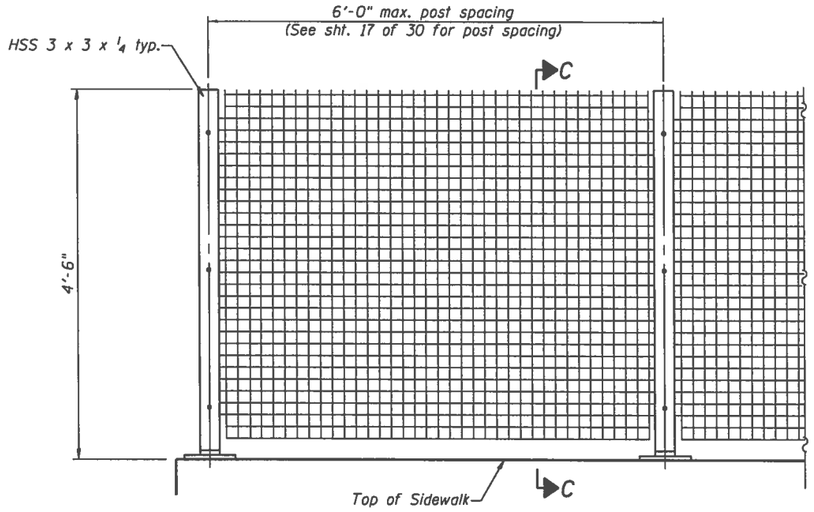
SECTION C-C
(Bridge Fence Railing (Sidewalk))



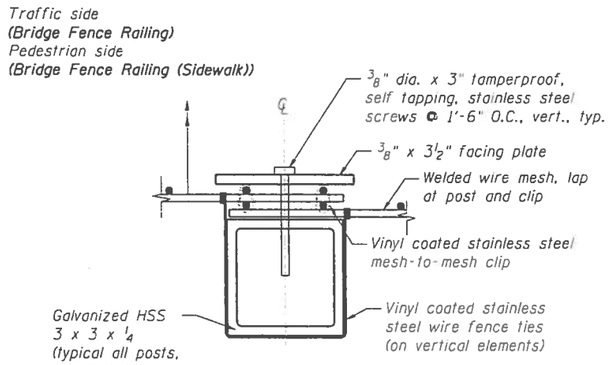
DETAIL 1
(At parapet)



DETAIL 2
(At shared-use path)



ELEVATION
(Inside Face of Bridge Fence Railing (Sidewalk))



SECTION B-B
(Typical at each post)

Notes:
All steel rail elements shall be galvanized and powder coated per the Special Provision for "Bridge Fence Railing."
Work this sheet with Bridge Fence Railing Details 2 of 2.

BILL OF MATERIAL

	ITEM	UNIT	QUANTITY
①	Bridge Fence Railing (Sidewalk)	Foot	168
①	Bridge Fence Railing	Foot	168

① See Special Provisions

DESIGNED - CTM		REVISED	
CHECKED - BAN		REVISED	
DRAWN - CET/CTM		REVISED	
CHECKED - BAN		REVISED	

CITY OF DANVILLE

BRIDGE FENCE RAILING DETAILS 1 OF 2

SHEET NO. 18 OF 30 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	51
	SN 092-7211	CONTRACT NO. 91567		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBI(142)		

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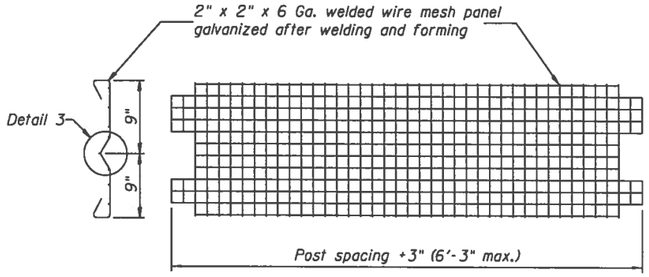
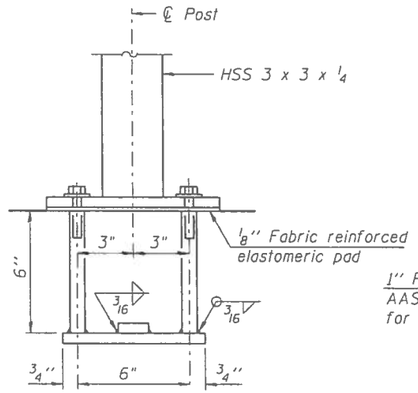
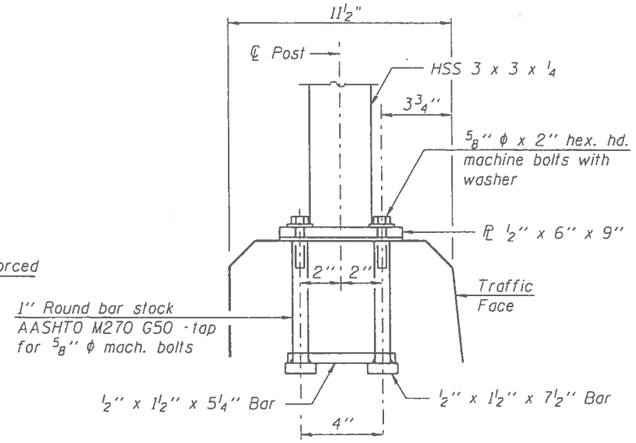
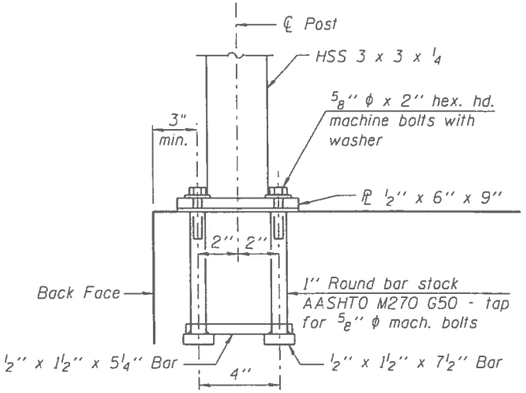


WELDED WIRE MESH PANEL
(Bridge Fence Railing)

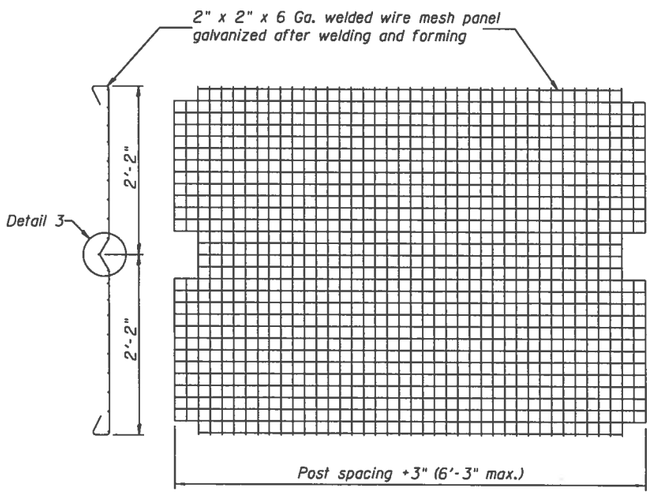




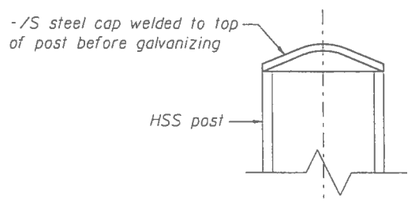


ANCHOR BOLT DETAILS
(Bridge Fence Railing and Bridge Fence Railing (Sidewalk))

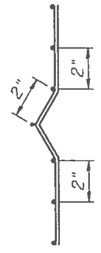
In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" ϕ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



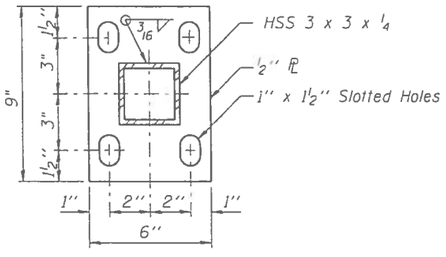
WELDED WIRE MESH PANEL
(Bridge Fence Railing (Sidewalk))



CAP DETAIL



DETAIL 3
(Bend Detail)



BASE PL

DESIGNED - CTM		REVISED ___	CITY OF DANVILLE	BRIDGE FENCE RAILING DETIALS 2 OF 2	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - BAN		REVISED ___			6999	08-00330-02-PV	VERMILION	79	51A
DRAWN - CET/CTM		REVISED ___				SN 092-7211	CONTRACT NO. 91567		
CHECKED - BAN		REVISED ___		SHEET NO. 18A OF 30 SHEETS	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBBI7421		

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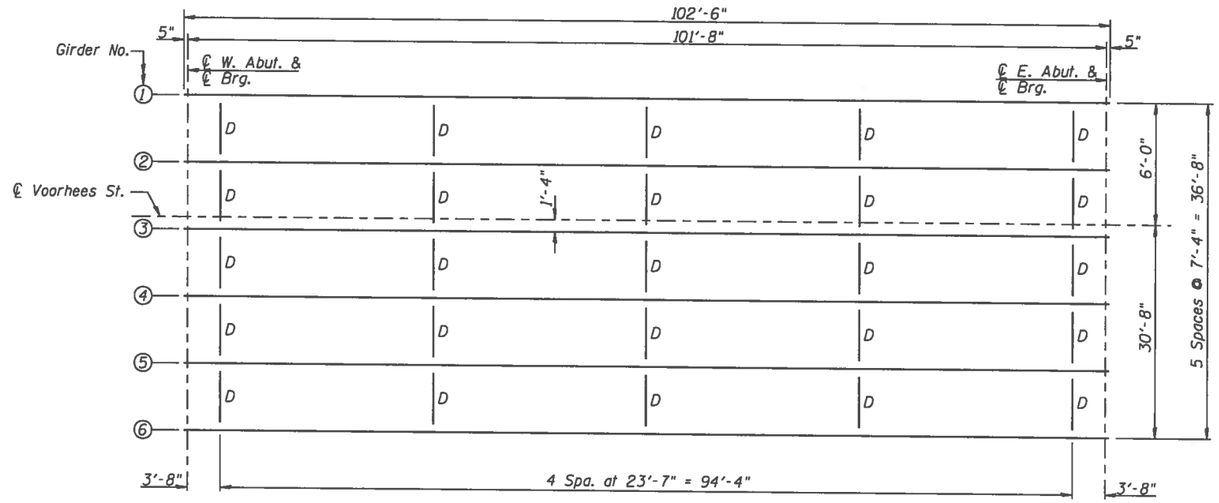
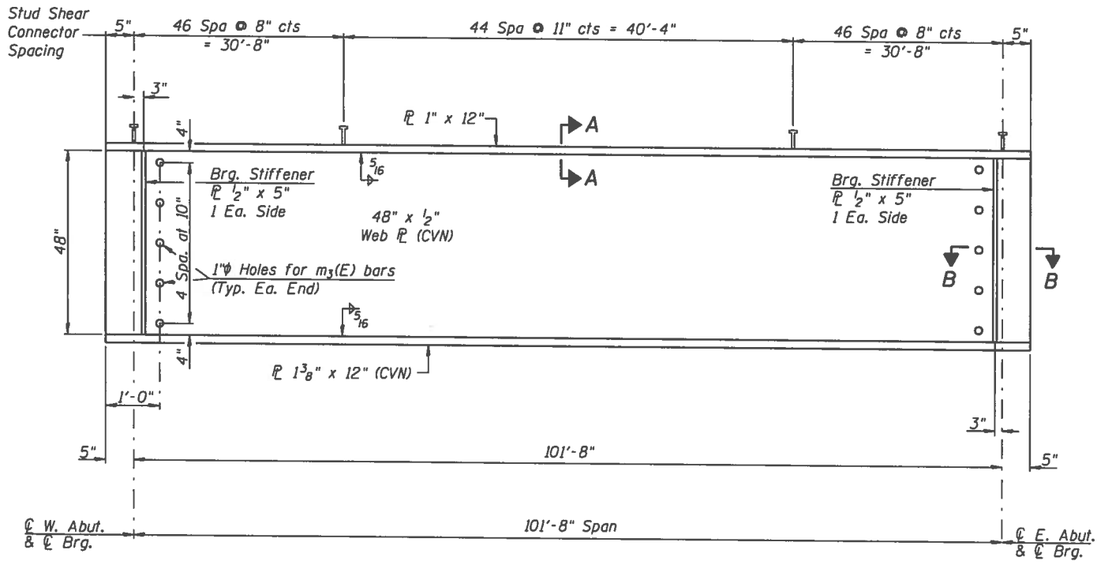


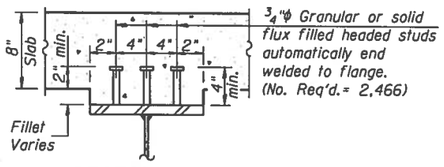
FRAMING PLAN



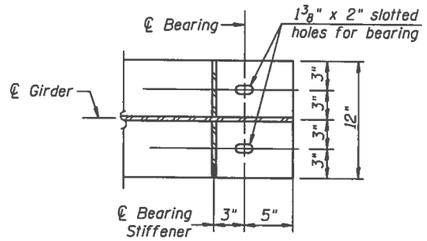
GIRDER ELEVATION

All plates and bearing stiffeners shall be AASHTO M270, Grade 50W.

Notes:
"CVN" denotes Charpy-V-Notch impact energy requirements, zone 2.
See Sheets 20 of 30 for Structural Steel Details.



SECTION A-A



SECTION B-B

DESIGNED - CTM		REVISED	CITY OF DANVILLE	FRAMING PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - BAN		REVISED			6999	08-00330-02-PV	VERMILION	79	52
DRAWN - CET/CTM		REVISED				SN 092-7211	CONTRACT NO. 91567		
CHECKED - BAN		REVISED		SHEET NO. 19 OF 30 SHEETS		FED. ROAD DIST. NO. 7 ILLINOIS	FED. AID PROJECT SHBR(742)		

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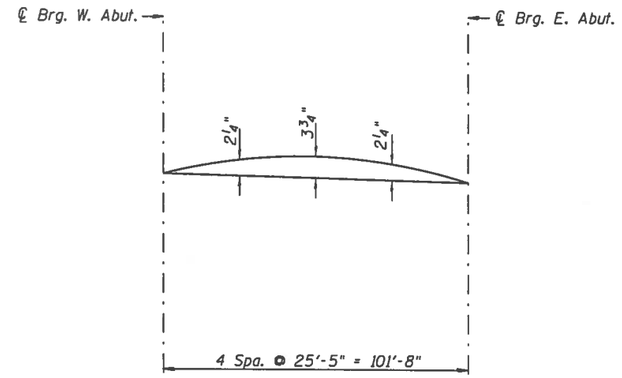
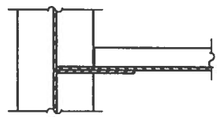


CAMBER DIAGRAM

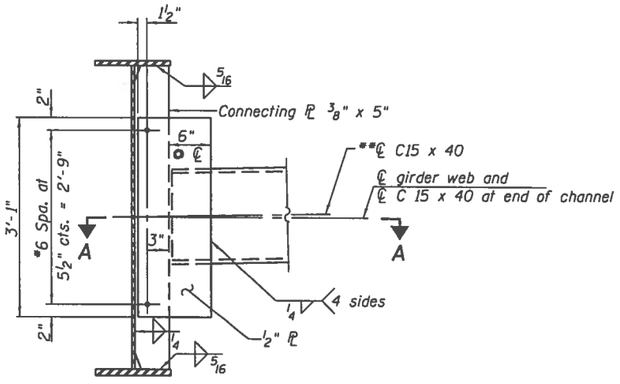


SECTION A-A

*TOP OF WEB ELEVATIONS

LOCATION	GIRDER 1	GIRDER 2	GIRDER 3	GIRDER 4	GIRDER 5	GIRDER 6
℄ Brg. at W. Abut.	610.67	610.79	610.86	610.75	610.61	610.46
℄ Brg. at E. Abut.	608.30	608.42	608.49	608.38	608.24	608.09

*For fabrication only



DIAPHRAGM D

(25 Required)

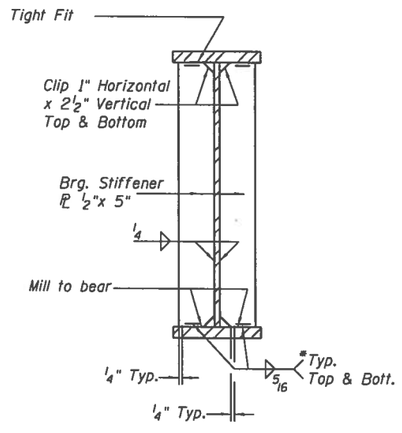
Note:

Two hardened washers required for each set of oversized holes.

*¾" ϕ HS bolts, 15/16" ϕ holes

**Alternate channels are permitted to facilitate material acquisition. Calculated weight of structural steel is based on the lighter section. The alternate, C15x50, if utilized, shall be provided at no additional cost to the City.

All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.



SECTION AT ABUTMENTS

*Terminate ¼" (±⅛") from the end of plate intersects.

INTERIOR GIRDER MOMENT TABLE		0.5 SP. 1
I_s	(in^4)	21,628
$I_c(n)$	(in^4)	54,032
$I_c(3n)$	(in^4)	40,059
$I_c(cr)$	(in^4)	-
S_s	(in^3)	931
$S_c(n)$	(in^3)	1,265
$S_c(3n)$	(in^3)	1165
$S_c(cr)$	(in^3)	-
DC1	(k/')	0.947
M_{DC1}	('k)	1,224
DC2	(k/')	0.175
M_{DC2}	('k)	226
DW	(k/')	0.367
M_{DW}	('k)	474
$M_{ℓ} + I_M$	('k)	1,972
M_u (Strength I)	('k)	5,974
$\phi_r M_n$	('k)	6,813
f_s DC1	(ksi)	15.78
f_s DC2	(ksi)	2.33
f_s DW	(ksi)	4.88
f_s (ℓ+IM)	(ksi)	18.71
f_s (Service II)	(ksi)	47.30
$0.95R_hF_{yf}$	(ksi)	47.50
f_s (Total)(Strength I)	(ksi)	-
$\phi_r F_n$	(ksi)	-
V_r	(k)	55.5

INTERIOR GIRDER REACTION TABLE		ABUT.
R_{DC1}	(k)	48.1
R_{DC2}	(k)	8.9
R_{DW}	(k)	18.7
$R_{ℓ} + I_M$	(k)	92.3
R_{Total}	(k)	168.0

I_s, S_s: Non-composite moment of inertia and section modulus of the steel section used for computing f_s (Total-Strength I, and Service II) due to non-composite dead loads ($in.^4$ and $in.^3$).

$I_c(n)$, $S_c(n)$: Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing f_s (Total-Strength I, and Service II) due to short-term composite live loads ($in.^4$ and $in.^3$).

$I_c(3n)$, $S_c(3n)$: Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing f_s (Total-Strength I, and Service II) in uncracked sections due to long-term composite (superimposed) dead loads ($in.^4$ and $in.^3$).

$I_c(cr)$, $S_c(cr)$: Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing f_s (Total -Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads ($in.^4$ and $in.^3$).

DC1: Un-factored non-composite dead load (kips/ft.).

M_{DC1}: 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.).

M_{DC2}: 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.).

M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

$M_{ℓ} + I_M$: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

M_u (Strength I): Factored design moment (kip-ft.).
$1.25 (M_{DC1} + M_{DC2}) + 1.5 M_{DW} + 1.75 M_{ℓ} + I_M$

$\phi_r M_n$: Compact composite positive moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article A6.1.1 or A6.1.2 (kip-ft).

f_s DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
M_{DC1} / S_{nc}

f_s DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
$M_{DC2} / S_c(3n)$ or $M_{DC2} / S_c(cr)$ as applicable.

f_s DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
$M_{DW} / S_c(3n)$ or $M_{DW} / S_c(cr)$ as applicable.

f_s (ℓ+IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live plus impact loads as calculated below (ksi).
$M_{ℓ} + I_M / S_c(n)$ or $M_{ℓ} + I_M / S_c(cr)$ as applicable.

f_s (Service II): Sum of stresses as computed below (ksi).
$f_{sDC1} + f_{sDC2} + f_{sDW} + 1.3 f_s (ℓ + I_M)$

$0.95R_hF_yf$: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).

f_s (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
$1.25 (f_{sDC1} + f_{sDC2}) + 1.5 f_{sDW} + 1.75 f_s (ℓ + I_M)$

$\phi_r F_n$: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).

V_r: Maximum factored shear range in span computed according to Article 6.10.10.

DESIGNED	-	CTM	
CHECKED	-	BAN	
DRAWN	-	CET/CTM	
CHECKED	-	BAN	

REVISED	
REVISED	
REVISED	
REVISED	

CITY OF DANVILLE

STRUCTURAL STEEL DETAILS

SHEET NO. 20 OF 30 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	53
	SN 092-7211	CONTRACT NO. 91567		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBI(142)		

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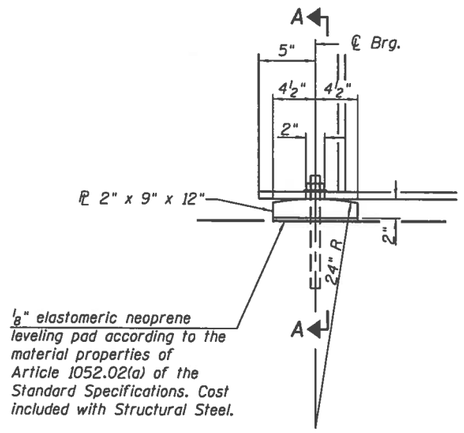
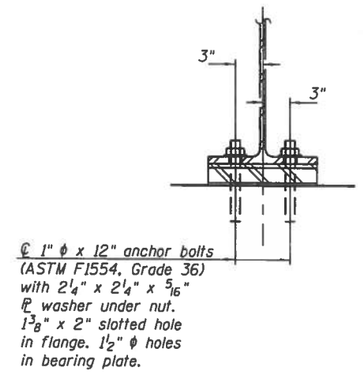


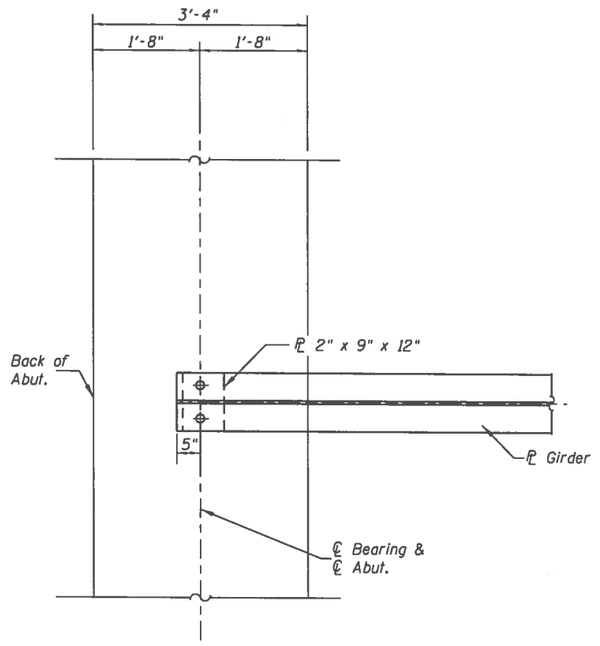
ELEVATION AT ABUTMENT



SECTION A-A

FIXED BEARING AT ABUTMENTS

(12 Required)



PARTIAL PLAN AT ABUTMENTS

Notes:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

The structural steel bearing plates shall conform to the requirements of AASHTO M270 Grade 50W.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after members are in place.

Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

Anchor bolts at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Anchor Bolts, 1"	EACH	24

DESIGNED - CTM		REVISED	CITY OF DANVILLE	BEARING DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - BAN		REVISED			6999	08-00330-02-PV	VERMILION	79	54
DRAWN - CET/CTM		REVISED		SHEET NO. 21 OF 30 SHEETS		SN 092-7211	CONTRACT NO. 91567		
CHECKED - BAN		REVISED			FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBB(T42)		

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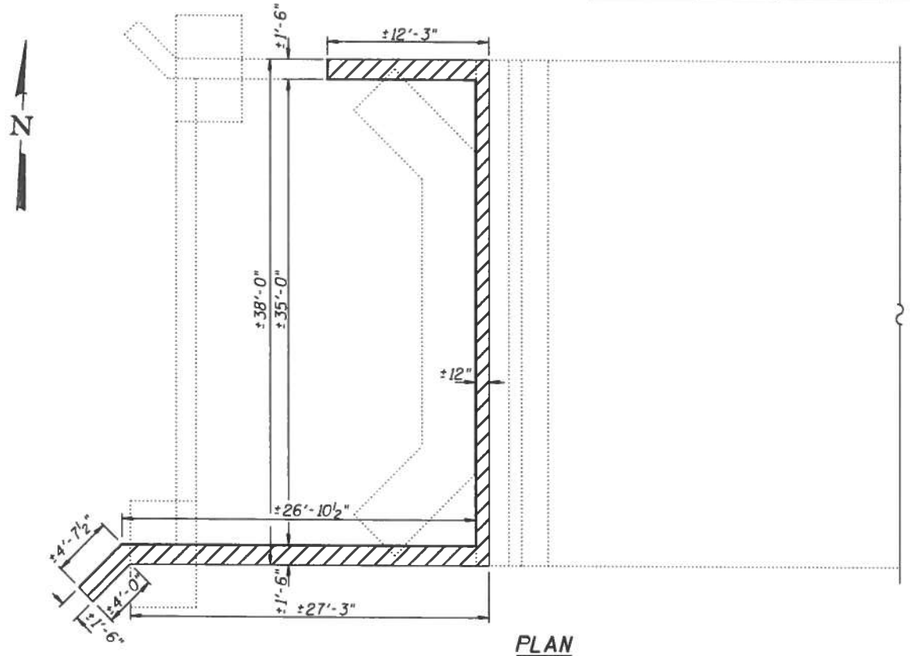
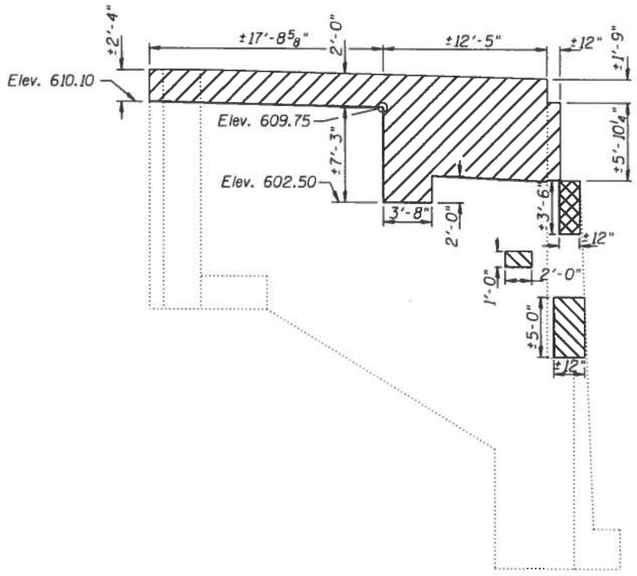
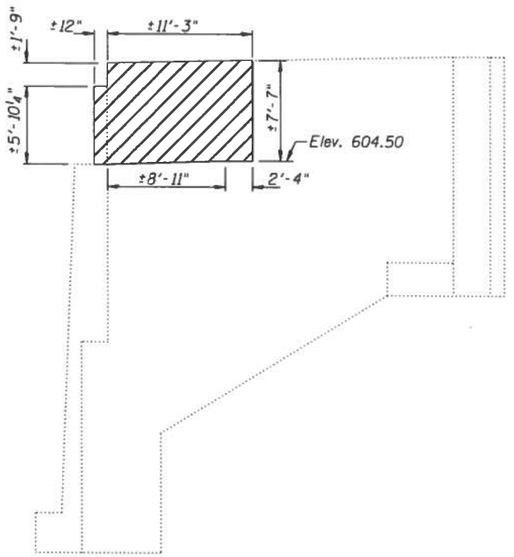


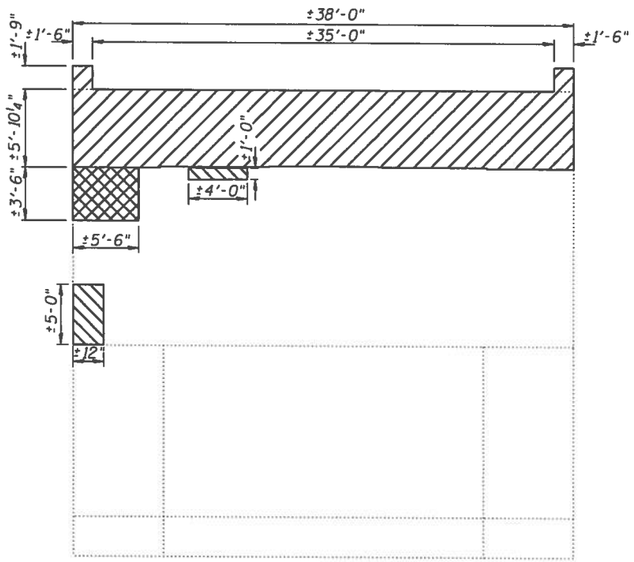
PLAN



SOUTH WINGWALL ELEVATION
(West Abut. Looking North)



NORTH WINGWALL ELEVATION
(Looking South)



ABUTMENT ELEVATION
(Looking West)

Hatched area indicates portion of abutment to be removed.

Hatched area indicates Structural Repair of Concrete (Depth Equal to or Less than 5 In.)

Hatched area indicates Structural Repair of Concrete (Depth more than 5 In.)

BILL OF MATERIAL

	ITEM	UNIT	TOTAL
	Concrete Removal	CU YD	20.8
①	Structural Repair of Concrete (Depth Equal to or Less Than 5 In.)	SQ FT	16
①	Structural Repair of Concrete (Depth More Than 5 In.)	SQ FT	23

① See Special Provisions

DESIGNED - CTM		REVISED	
CHECKED - BAN		REVISED	
DRAWN - CET/CTM		REVISED	
CHECKED - BAN		REVISED	

CITY OF DANVILLE

EXISTING WEST ABUTMENT CONCRETE REMOVAL & REPAIR

SHEET NO. 22 OF 30 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	55
	SN 092-7211	CONTRACT NO. 91567		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBB(742)		

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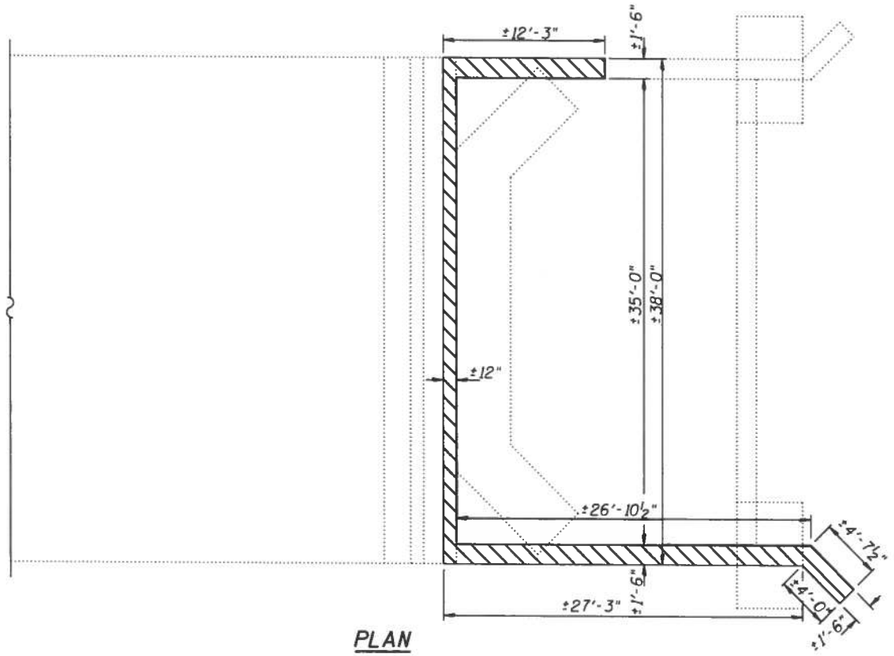
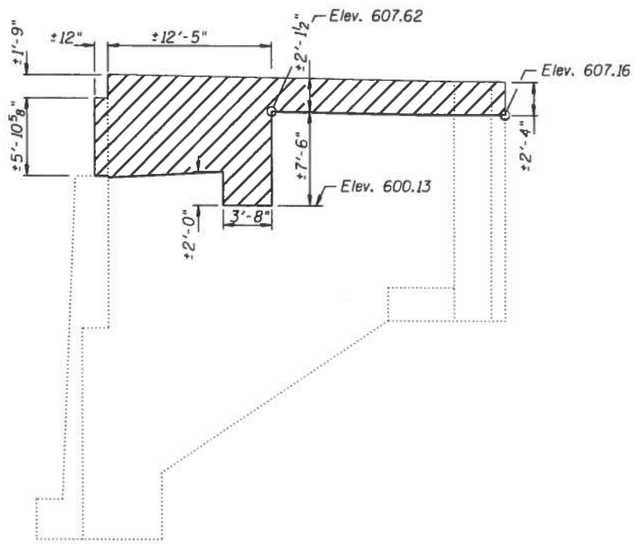
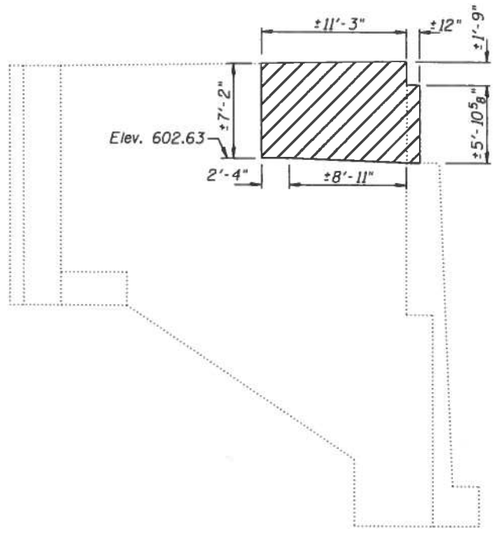


PLAN



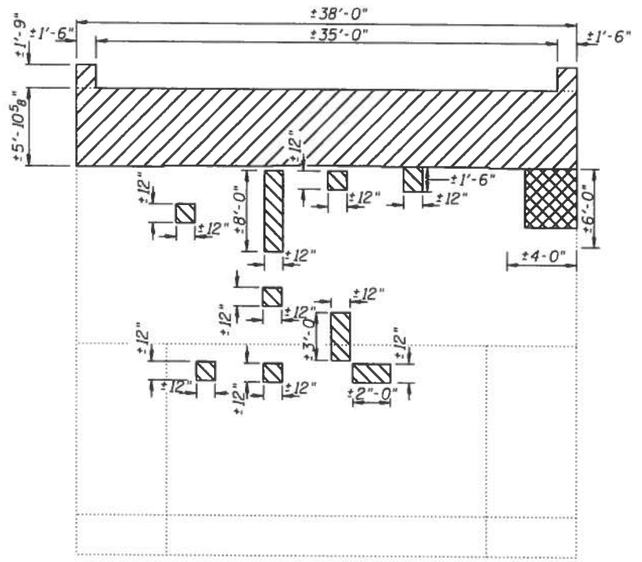
SOUTH WINGWALL ELEVATION

(East Abut. Looking North)



NORTH WINGWALL ELEVATION

(East Abut. Looking South)



ABUTMENT ELEVATION

(East Abut. Looking East)

Hatched area indicates portion of abutment to be removed.

Hatched area indicates Structural Repair of Concrete (Depth Equal to or Less than 5 In.)

Hatched area indicates Structural Repair of Concrete (Depth more than 5 In.)

BILL OF MATERIAL

	ITEM	UNIT	TOTAL
	Concrete Removal	CU YD	20.9
①	Structural Repair of Concrete (Depth Equal to or Less Than 5 In.)	SQ FT	20
①	Structural Repair of Concrete (Depth More Than 5 In.)	SQ FT	24

① See Special Provisions

DESIGNED - CTM		REVISED	
CHECKED - BAN		REVISED	
DRAWN - CET/CTM		REVISED	
CHECKED - BAN		REVISED	

CITY OF DANVILLE

EXISTING EAST ABUTMENT CONCRETE REMOVAL & REPAIR

SHEET NO. 23 OF 30 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	56
	SN 092-7211	CONTRACT NO. 91567		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBI(742)		

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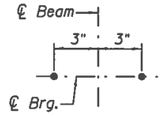
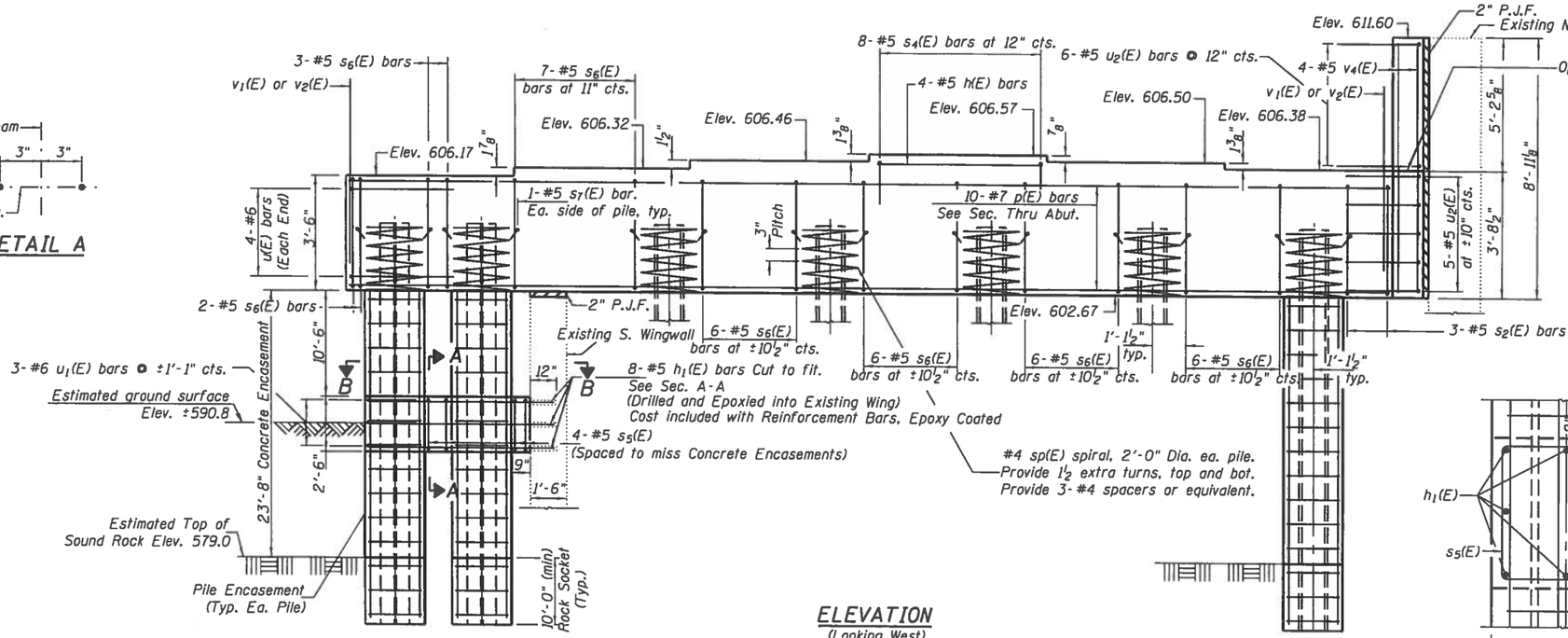
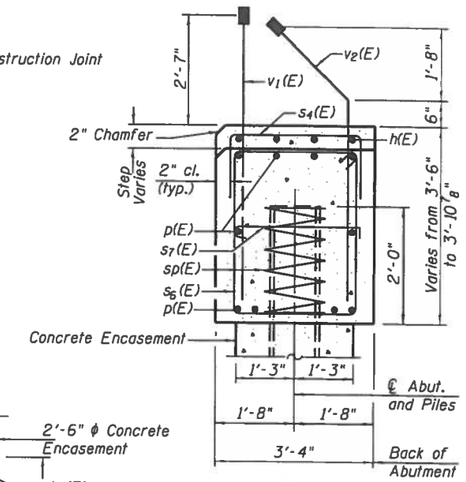
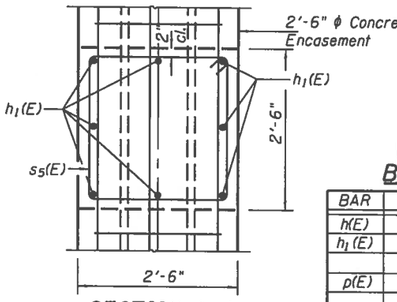


DETAIL A





SEC. THRU ABUT.



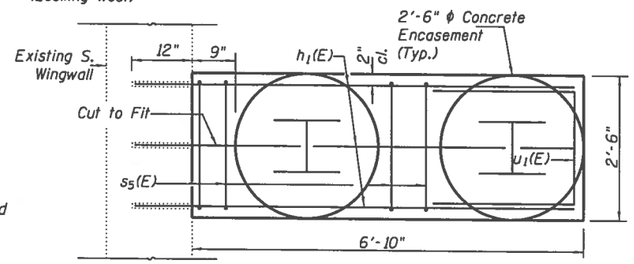
SECTION A-A

PILE DATA

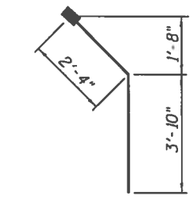
Type: Steel HP14x89
Nominal Required Bearing: Set in Rock (705 kips)
Factored Resistance Available: Set in Rock (388 kips)
Est. Length: 36'
No. Production Piles: 7

Notes:
Pour steps monolithically with cap.
All edges shall have standard ¾" chamfer.
For details of H-Piles and concrete encasement, see sheet 26 of 30.
Space reinforcement to miss anchor bolts.
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.

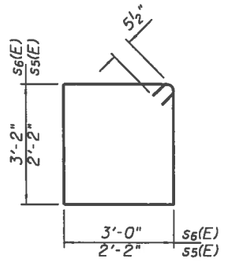
ELEVATION
(Looking West)



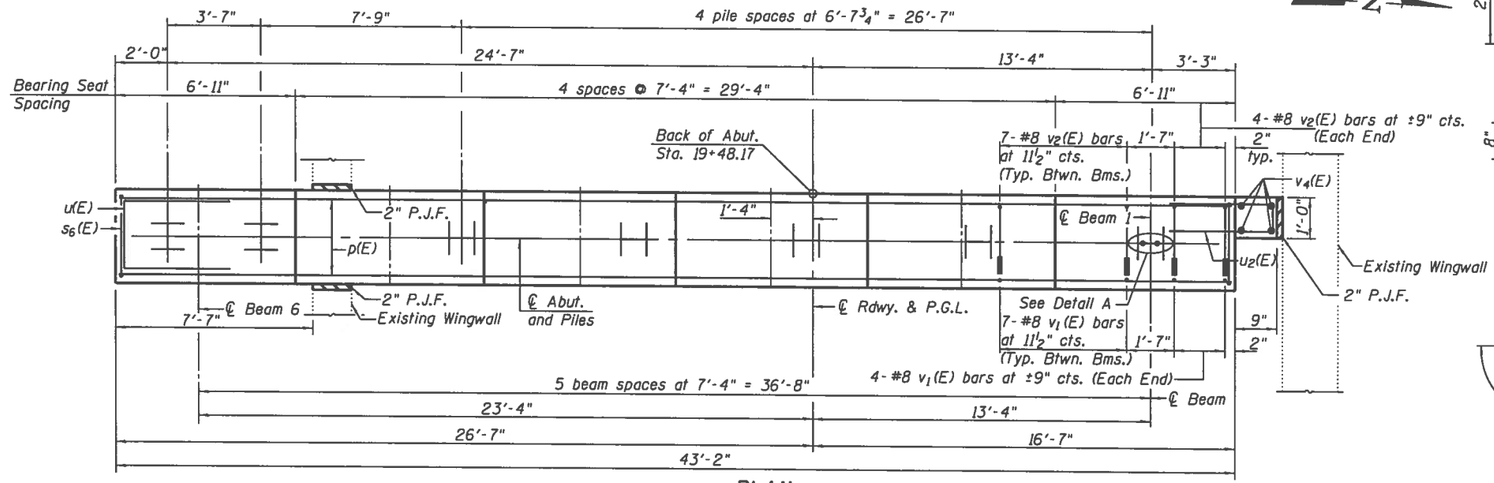
SECTION B-B



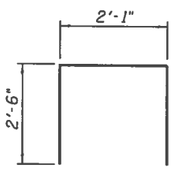
BAR v2(E)
(Headed)



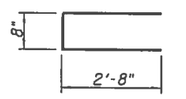
BARS s6(E) & s5(E)



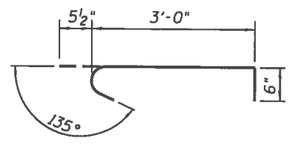
PLAN



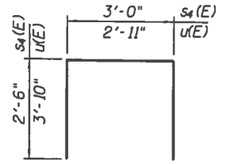
BAR u1(E)



BAR u2(E)



BAR s7(E)



BARS s4(E) & u(E)

WEST ABUTMENT BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	4	#5	7'-0"	
h1(E)	8	#5	7'-8"	
p(E)	10	#7	42'-10"	
s4(E)	8	#5	8'-0"	
s5(E)	4	#5	9'-7"	
s6(E)	39	#5	13'-3"	
s7(E)	14	#5	4'-0"	
*sp(E)	7	#4	2'-0"	
u(E)	8	#6	10'-7"	
u1(E)	3	#6	7'-1"	
u2(E)	11	#5	6'-0"	
v1(E)	43	#8	5'-11"	
v2(E)	43	#8	6'-2"	
v4(E)	4	#5	8'-7"	
Structure Excavation			CU YD	210
Concrete Structures			CU YD	20.8
Reinforcement Bars, Epoxy Coated			POUND	3,650
Furnishing Steel Piles HP 14x89			FOOT	252
① Setting Piles in Rock			EACH	7
Concrete Encasement			CU YD	30.1

① See Special Provisions
*Length is height of spiral.

DESIGNED - CTM	REVISED	CITY OF DANVILLE	WEST ABUTMENT
CHECKED - BAN	REVISED		SHEET NO. 24 OF 30 SHEETS
DRAWN - CET/CTM	REVISED		
CHECKED - BAN	REVISED		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	57
	SN 092-7211	CONTRACT NO. 91567		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBB(142)		

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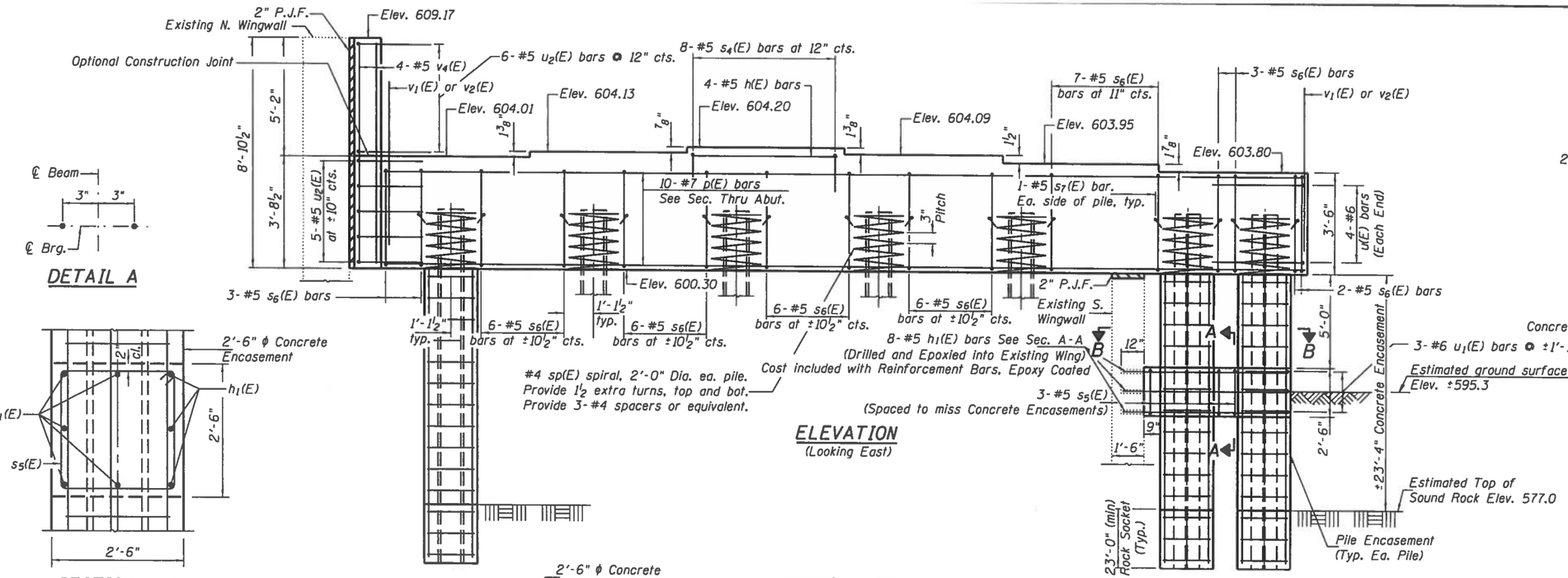
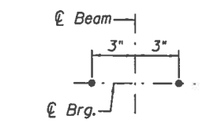
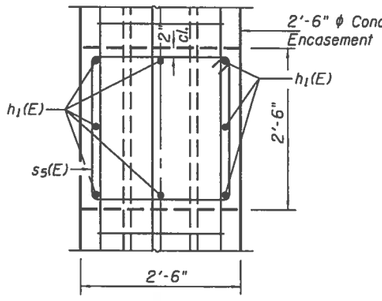


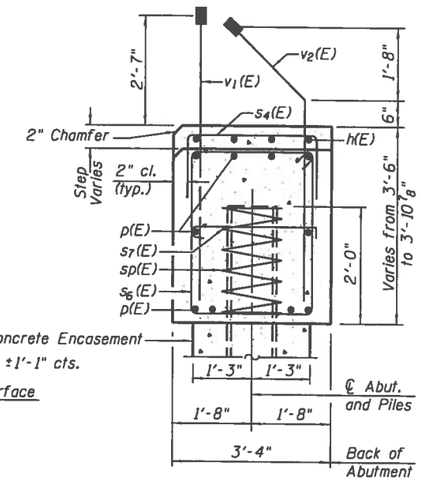
ELEVATION
(Looking East)



DETAIL A



SECTION A-A



SEC. THRU ABUT.

EAST ABUTMENT BILL OF MATERIAL

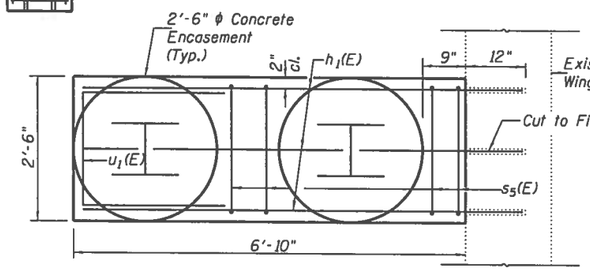
BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	4	#5	7'-0"	——
h1(E)	8	#5	7'-8"	——
p(E)	10	#7	42'-10"	——
s4(E)	8	#5	8'-0"	⊓
s5(E)	4	#5	9'-7"	⊓
s6(E)	39	#5	13'-3"	⊓
s7(E)	14	#5	4'-0"	⊓
*sp(E)	7	#4	2'-0"	WWW
u(E)	8	#6	10'-7"	⊐
u1(E)	3	#6	7'-1"	⊐
u2(E)	11	#5	6'-0"	⊐
v1(E)	43	#8	5'-11"	——
v2(E)	43	#8	6'-2"	⌐
v4(E)	4	#5	8'-7"	——

Structure Excavation	CU YD	205
Concrete Structures	CU YD	20.8
Reinforcement Bars, Epoxy Coated	POUND	3,650
Furnishing Steel Piles HP 14x89	FOOT	343
① Setting Piles in Rock	EACH	7
Concrete Encasement	CU YD	29.7

① See Special Provisions
*Length is height of spiral.

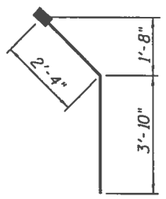
PILE DATA

Type: Steel HP14x89
Nominal Required Bearing: Set in Rock (705 kips)
Factored Resistance Available: Set in Rock (388 kips)
Est. Length: 49'
No. Production Piles: 7

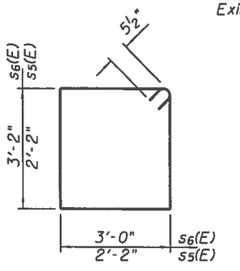


SECTION B-B

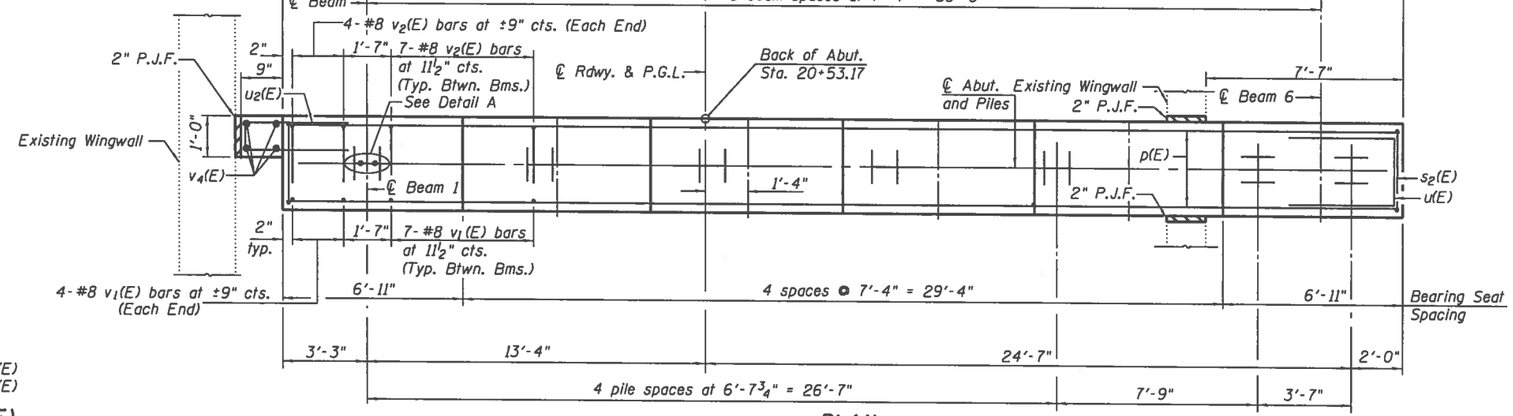
Notes:
Pour steps monolithically with cap.
All edges shall have standard ¾" chamfer.
For details of H-Piles and concrete encasement, see sheet 26 of 30.
Space reinforcement to miss anchor bolts.
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.



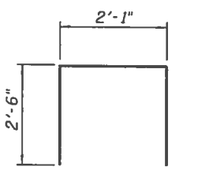
BAR v1(E)
(Headed)



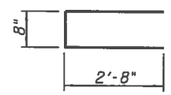
BARS s5(E) & s6(E)



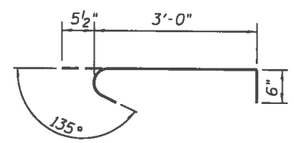
PLAN



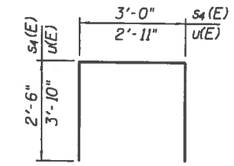
BAR u1(E)



BAR u2(E)



BAR s7(E)



BARS s4(E) & u(E)

DESIGNED - CTM		REVISED	CITY OF DANVILLE	EAST ABUTMENT	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - BAN		REVISED			6999	08-00330-02-PV	VERMILION	79	58
DRAWN - CET/CTM		REVISED		SHEET NO. 25 OF 30 SHEETS		SN 092-7211		CONTRACT NO. 91567	
CHECKED - BAN		REVISED				FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBB(742)	

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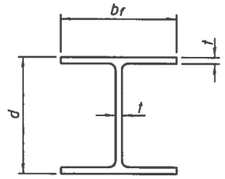
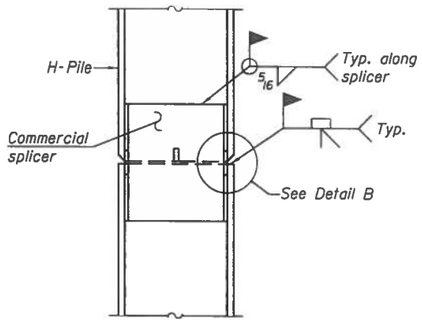
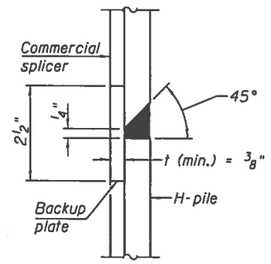


STEEL PILE TABLE

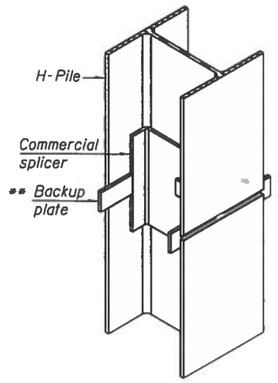
Designation	Depth d	Flange width b_f	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	11/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	11/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



ELEVATION

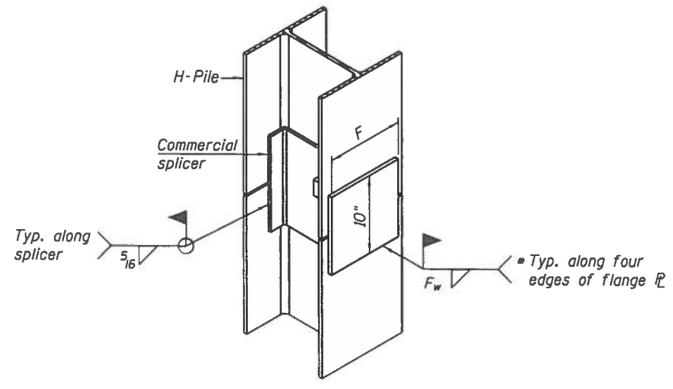


DETAIL "B"



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE

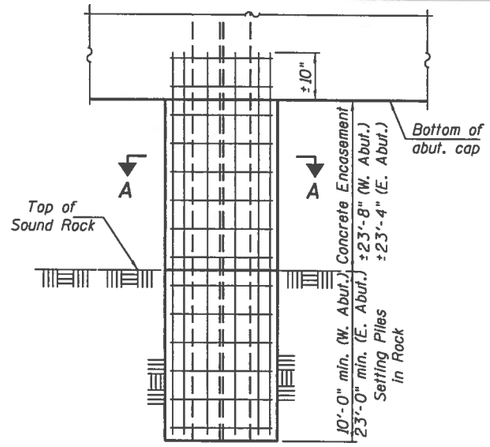


ISOMETRIC VIEW

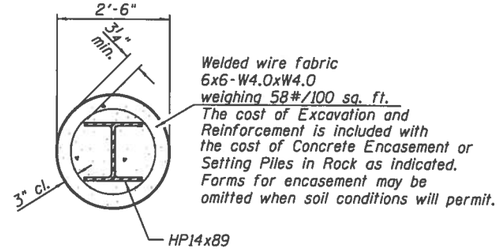
WELDED COMMERCIAL SPLICE ALTERNATE

* Interrupt welds 1/4" from end of web and/or each flange.

** Remove portions of backup plates that extend outside the flanges.

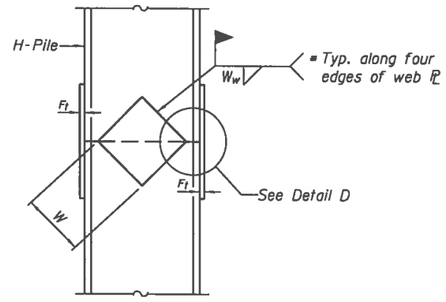


ABUTMENT ELEVATION

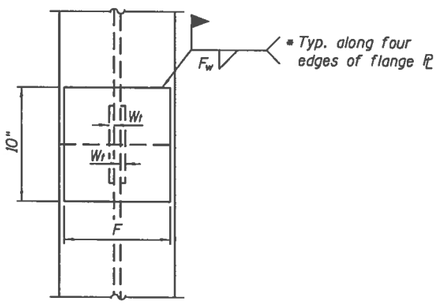


SECTION A-A

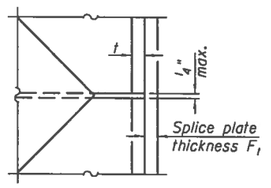
PILE ENCASEMENT



ELEVATION



END VIEW



DETAIL D

Designation	F	F_f	F_w	W	W_f	W_w
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	11/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	11/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	11/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

WELDED PLATE FIELD SPLICE

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

DESIGNED - CTM		REVISED	CITY OF DANVILLE	HP PILE DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - BAN		REVISED			6999	08-00330-02-PV	VERMILION	79	59
DRAWN - CET/CTM		REVISED				SN 092-7211	CONTRACT NO. 91567		
CHECKED - BAN		REVISED		SHEET NO. 26 OF 30 SHEETS	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBI(742)		

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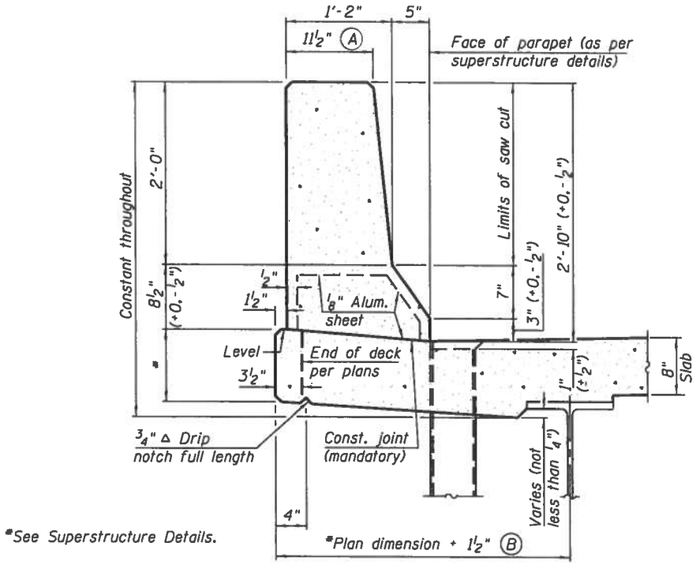
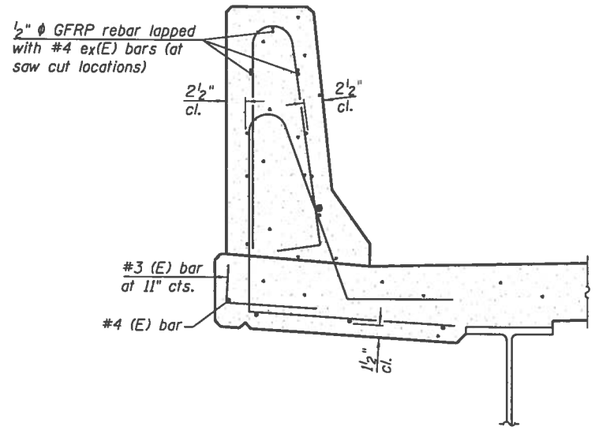


*See Superstructure Details.

34" F SHAPE PARAPET SECTION

(Showing dimensions)



SECTION

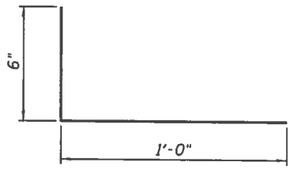
(34" parapet shown - 42" parapet similar)
(Showing reinforcement clearances for slip forming and additional reinforcement bars)

GENERAL NOTES

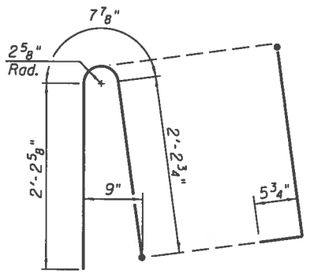
All dimensions shall remain the same as shown on superstructure details, except dimensions A and B which are to be revised as shown to provide additional clearance. Additional concrete needed to revise dimension A and B = 0.0165 cu. yds./ft. for 34" parapet or = 0.0223 cu. yds./ft. for 42" parapet.

Place aluminum sheet in curb portion at and near piers. Full thickness saw cut at all joint locations in lieu of cork joint filler.

Steel superstructure shown. Other superstructure types similar.

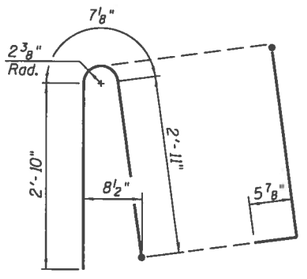


#3 (E) BAR



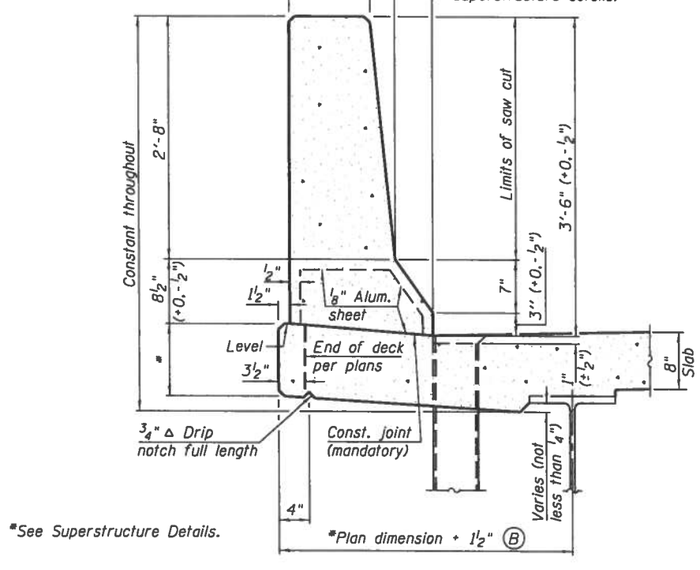
ALTERNATE BAR d(E)

(For 34" parapet when conduit is present)



ALTERNATE BAR d(E)

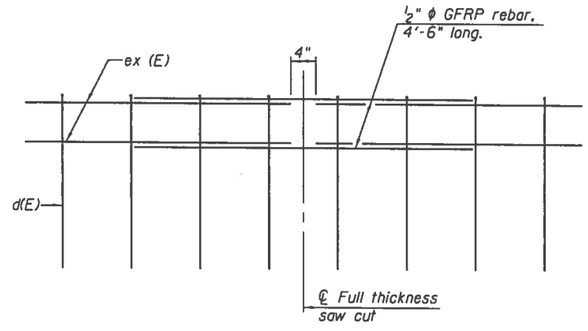
(For 42" parapet when conduit is present)



*See Superstructure Details.

42" F SHAPE PARAPET SECTION

(Showing dimensions)



GFRP REBAR STIFFENING DETAIL

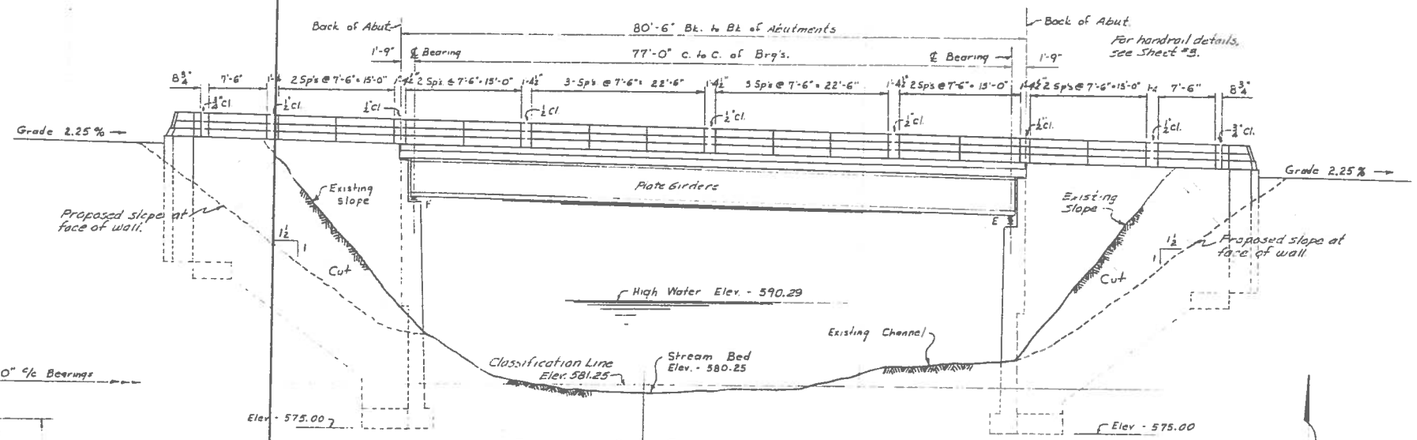
(Place as shown in parapet section at each parapet joint location.)

SFP 34-42

DESIGNED - CTM		REVISED	CITY OF DANVILLE	CONCRETE PARAPET SLIPFORMING OPTION	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - BAN		REVISED			6999	08-00330-02-PV	VERMILION	79	60
DRAWN - CET/CTM		REVISED				SN 092-7211	CONTRACT NO. 91567		
CHECKED - BAN		REVISED		SHEET NO. 27 OF 30 SHEETS	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBBI(742)		

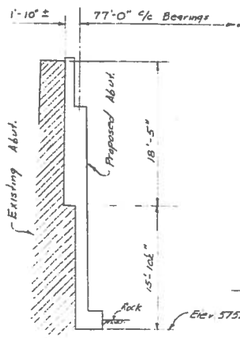
V:\3999 - Voorhees St over Stoney Creek & Detour (Danville)\CADD\CADD Sheets\3999b027.dgn

Note: The Contractor is responsible for any damage to existing abutments occurring during construction. It is suggested that the Contractor shore existing abutments until concrete for new abutments is poured up to an elevation equal to existing ground line and backfill has been placed up to existing ground line, or that, in lieu of shoring, the backfill behind the existing abutments be excavated down to an elevation not greater than 596.00.



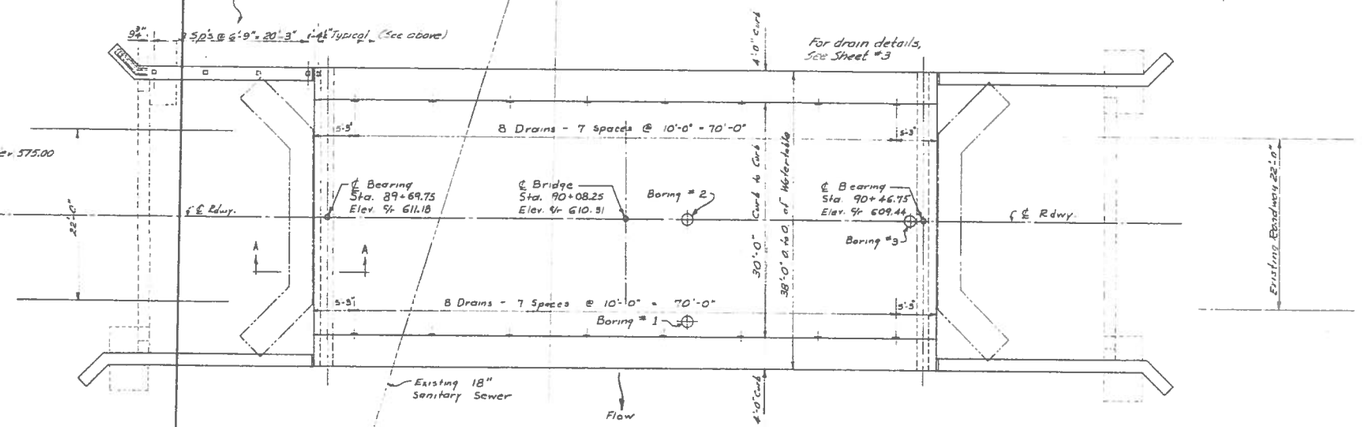
ELEVATION OF PROPOSED STRUCTURE

Scale: ⅛" = 1'-0"



SECTION A-A

Scale: ⅛" = 1'-0"



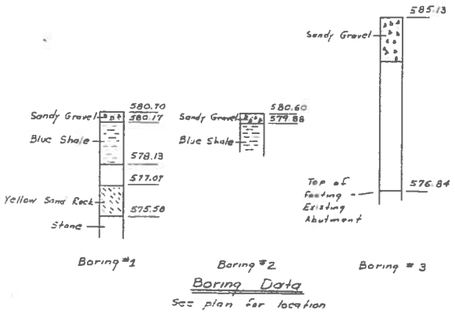
PLAN OF PROPOSED STRUCTURE

Scale: ⅛" = 1'-0"

GENERAL NOTES

- Class X Concrete shall be used throughout except handrail and posts.
- —
- Hundron Corporate shall be used in the handrail end posts.
- The Standard Specifications hereinafter referred to are the "Standard Specifications for Road and Bridge Construction" adopted January 2, 1952.
- Metal handrail and posts shall receive one shop coat of rust-inhibitive primer and two field coats of aluminum paint. All paint shall be furnished and applied by the Contractor.
- Reinforcement Bars shall conform to A.S.T.M. Specification A-305.
- The concrete slab shall be finished in accordance with Art. 51.18 (a) of the Standard Specifications.
- Structural Steel shall conform to A.S.T.M. Specification A-7. It shall receive one shop coat of red lead paint and two field coats of aluminum paint. See no paint on top of girders. All paint to be furnished and applied by the Contractor.
- All field connections shall be riveted except as noted.
- All bearings, bearing plates, lead plates, and anchor bolts shall be set in accordance with Art. 51.14 of the Standard Specifications and included for payment as Structural Steel.
- The anchor bolts shall be set in accordance with Art. 55.6(f.) of the Standard Specifications.
- All metal handrail including rail post anchors is included for payment as Metal Handrail. The number of Lin. Ft. is measured c to c. of the handrail channels, without any deductions for open joints.

Inspection of Structural Steel and Handrail by Ill. Div. of Highways.



Boring Data

See plan for location

NOTE

Existing structure consists of old stone abutments. Superstructure has been removed. No channel change is involved under this contract.

WATERWAY DATA

Drainage Area	15,000 Acres
Character	Rolling, Wooded and Cultivated
Present Opening	603.8 Sq. Ft.
Required Opening	540.0 Sq. Ft.
Provided Opening	599.0 Sq. Ft.

DESIGN STRESSES

f_s = 18,000 p.s.i. - Structural Steel
f_s = 20,000 p.s.i. - Reinforcement Bars
f_c = 1,400 p.s.i. (n=10) - Concrete

LOADING

H20 - S16 - 44

VOORHEES STREET BRIDGE
BUILT 1955 BY
CITY OF DANVILLE
SECTION 50-B-CS
LOADING H20-S16

NAME PLATE DATA

See Ill. Std. 2113 for details. Locate on handrail between first two posts on N.E. corner of bridge. Drill 7/16" holes in handrail to match holes in name plate, for ⅜" bolts.

HARRY BALKE ENGINEERS
CONSULTING ENGINEERS
URBANA, ILLINOIS

DESIGNED - CTM		REVISED —	CITY OF DANVILLE	EXISTING PLANS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - BAN		REVISED —			6999	08-00330-02-PV	VERMILION	79	61
DRAWN - CET/CTM		REVISED —				SN 092-7211	CONTRACT NO. 91567		
CHECKED - BAN		REVISED —		SHEET NO. 28 OF 30 SHEETS		FED. ROAD DIST. NO. 7 ILLINOIS	FED. AID PROJECT SHBBIT421		

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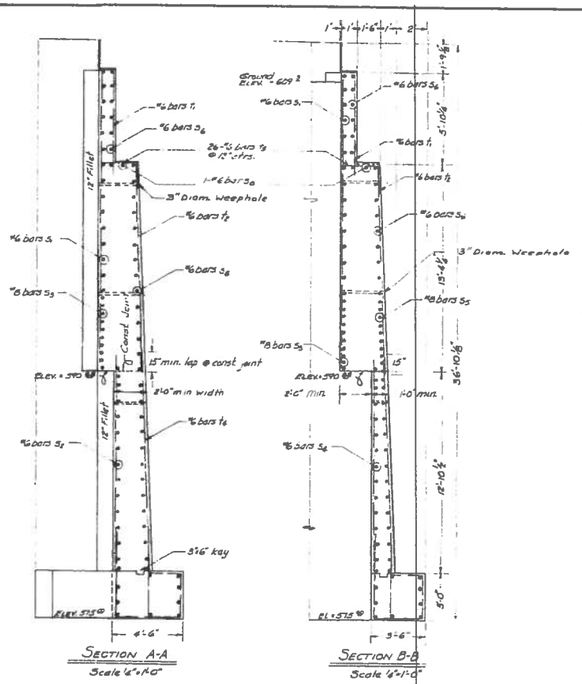

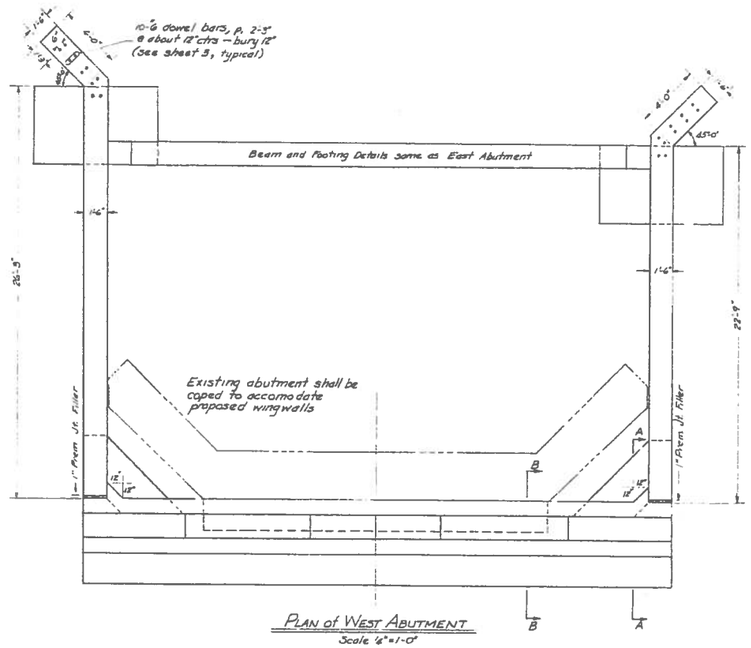

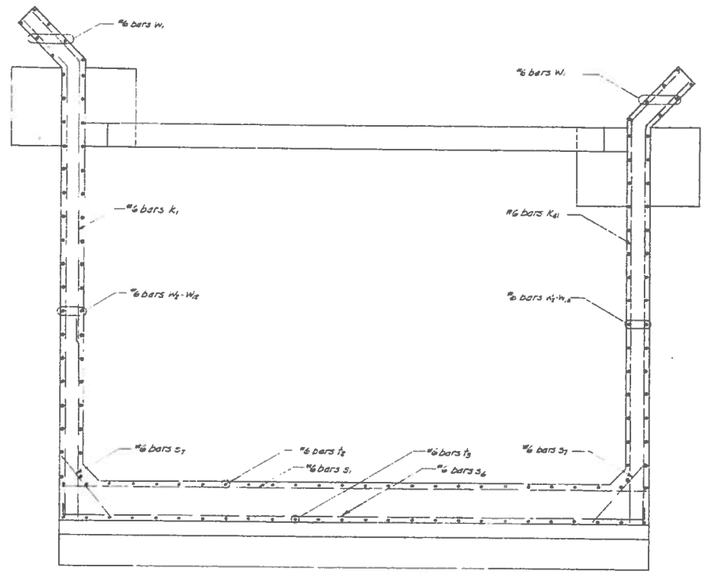

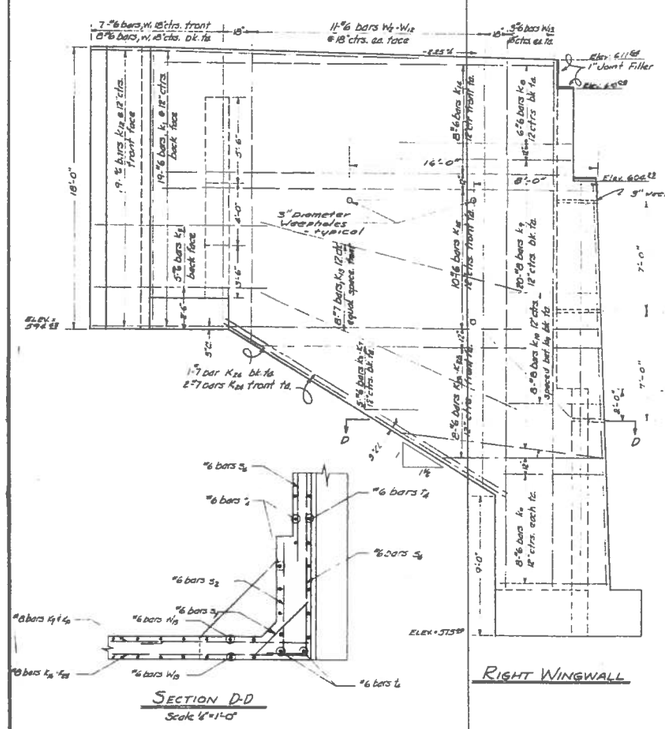

SECTION A-A
Scale ¼"=1'-0"

SECTION B-B
Scale ¼"=1'-0"

PLAN of WEST ABUTMENT
Scale ¼"=1'-0"

SECTION C-C
Scale ¼"=1'-0"

RIGHT WINGWALL

SECTION D-D
Scale ¼"=1'-0"

ELEVATION of WEST ABUTMENT
Scale ¼"=1'-0"

LEFT WINGWALL

NOTE
Min. concrete protection for reinforcement = 1½ except when noted: 3"cl.

Note: New abutment to be poured directly against outside face of existing abutment. Because the outside face of existing abutment is not smooth, only minimum thicknesses of new abutment are shown.

HARRY BALKE ENGINEERS
CONSULTING ENGINEERS
URBANA, ILLINOIS

SHEET 5 OF 8

DESIGNED - CTM	REVISED	
CHECKED - BAN	REVISED	
DRAWN - CET/CTM	REVISED	
CHECKED - BAN	REVISED	

CITY OF DANVILLE

EXISTING PLANS

SHEET NO. 29 OF 30 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	62
	SN 092-7211	CONTRACT NO. 91567		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT SHBB(742)		

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SECTION (E)-(E)

SECTION (D)-(D)

TOP PLAN EAST ABUTMENT

SECTION (G)-(G)

SECTION (F)-(F)

SECTION (B)-(B)

SECTION (C)-(C)

SECTION (A)-(A)

TYPICAL WINGWALL ELEVATION

ABUTMENT ELEVATION

NOTE

All scales 1/4" = 1'-0" unless noted otherwise

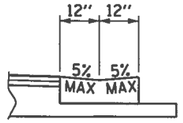
All clearances to reinf. are 1 1/2" except as shown 3" clr. for footings & tiebeam.

Note: New abutment to be poured directly against outside face of existing abutment. Because the outside face of existing abutment is not smooth, only minimum thicknesses of new abutment are shown.

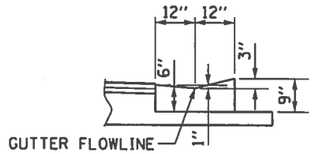
HARRY BALKE ENGINEERS
CONSULTING ENGINEERS
URBANA, ILLINOIS

DESIGNED - CTM		REVISED	CITY OF DANVILLE	EXISTING PLANS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - BAN		REVISED			6999	08-00330-02-PV	VERMILION	79	63
DRAWN - CET/CTM		REVISED				SN 092-7211	CONTRACT NO. 91567		
CHECKED - BAN		REVISED		SHEET NO. 30 OF 30 SHEETS		FED. ROAD DIST. NO. 7 ILLINOIS	FED. AID PROJECT SHBBT42)		

V:\3999 - Vaughaes St over Stoney Creek & Detour (Danville)\CADD\CADD Sheets\3999b030.dgn

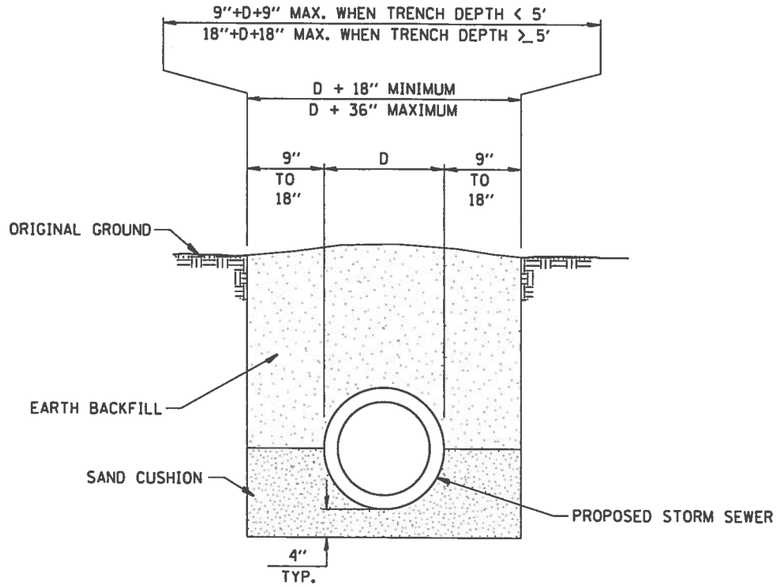


DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED.

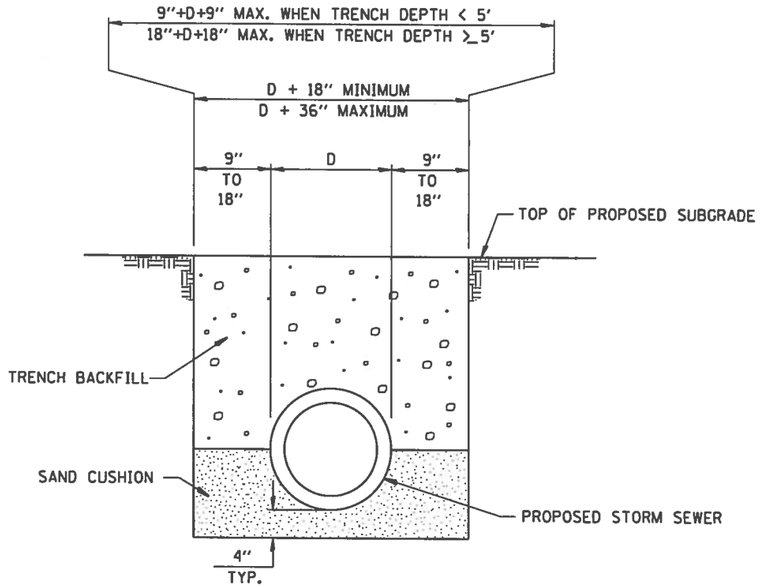


CONCRETE GUTTER (SPECIAL)

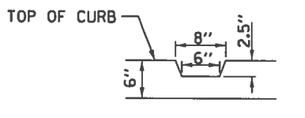
NOTE: FINAL SURFACE LIFT TO EXTEND 1/4" ABOVE GUTTER PAN AT EDGE OF PAVEMENT.



DETAIL OF TRENCH EXCAVATION AND BACKFILL UNDER TURF

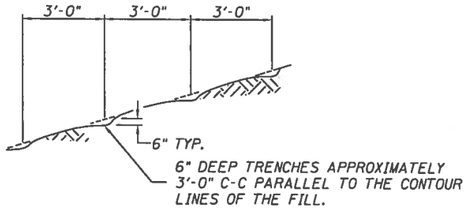


DETAIL OF TRENCH EXCAVATION AND BACKFILL UNDER PROPOSED ROADWAY PAVEMENT AND ENTRANCES



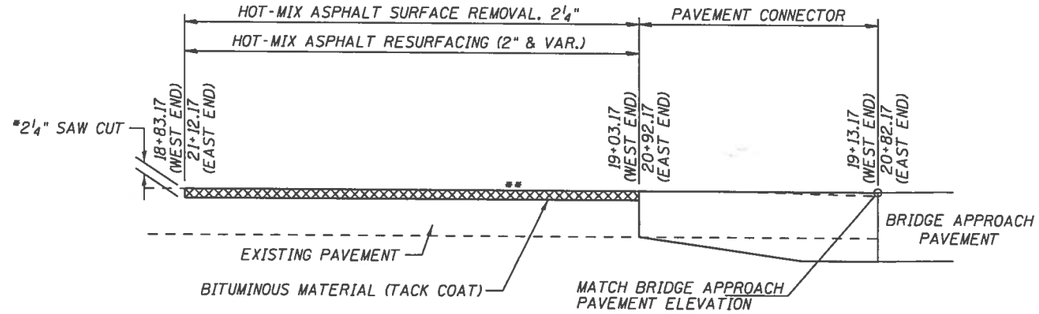
STA 15+16.33, 12.50' LT

CURB NOTCH



NOTE: ALL SLOPES 3:1 OR STEEPER AND GREATER THAN 5' IN HEIGHT SHALL BE CONTOUR PLOWED AS SHOWN IN DETAIL. COST SHALL BE INCLUDED WITH SEEDING, CLASS 2.

DETAIL OF CONTOUR PLOWING

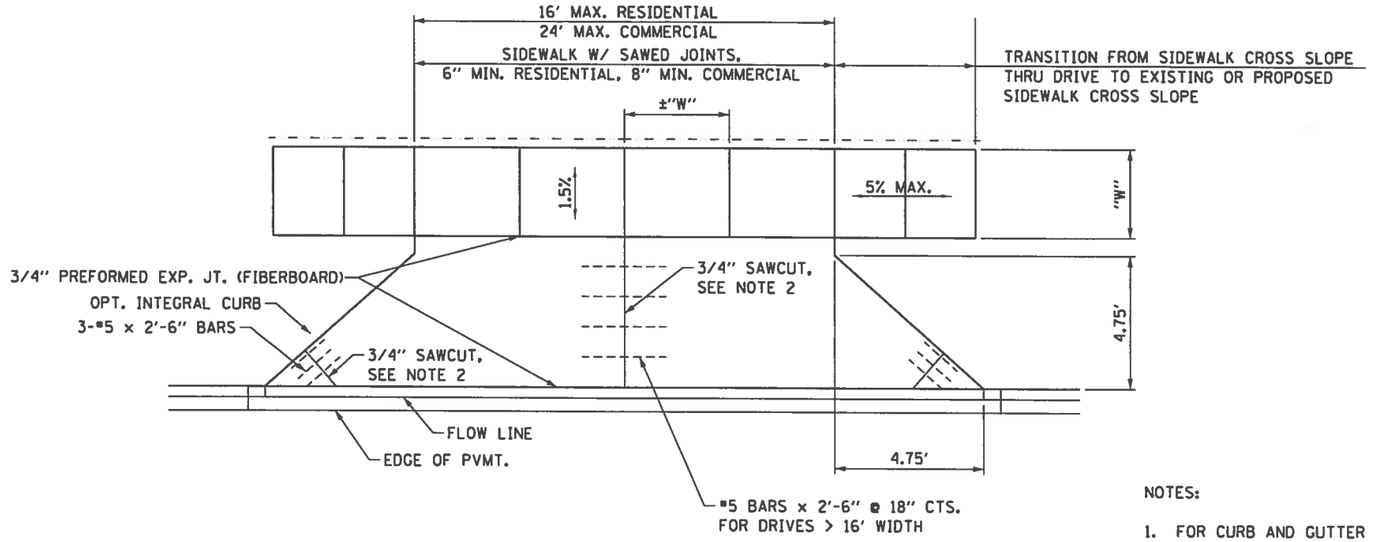


*COST INCLUDED IN HOT-MIX ASPHALT SURFACE REMOVAL.

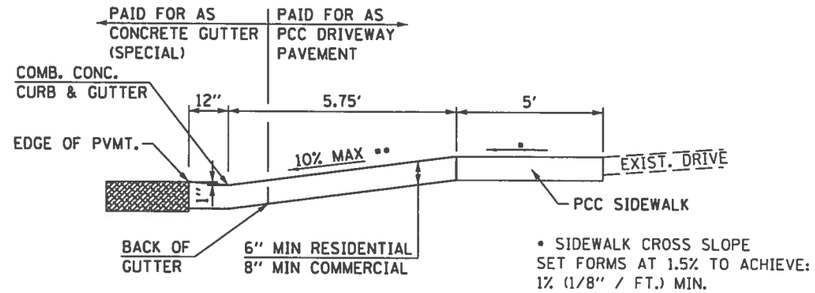
**CONSTRUCT THE VARIABLE DEPTH RESURFACING WITH A CONSTANT GRADE FROM 2" MIN. AT STATION SHOWN TO APPROACH PAVEMENT CONNECTOR ELEV.

HOT-MIX ASPHALT RESURFACING DETAIL

FILE NAME = 3999sht-detail.dgn	USER NAME = JDeen	DESIGNED - AWM/BAN	REVISED -	CITY OF DANVILLE	VOORHEES ST BRIDGE AND MAY ST & ROGERS ST RECONSTRUCTION SPECIAL DETAILS	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TJD/CET	REVISED -			6999	08-00330-02-PV	VERMILION	79	64
	PLOT SCALE = 2.0000 ' / in.	CHECKED - AWM/BAN	REVISED -					CONTRACT NO. 91567		
⊕MODELNAME⊕	PLOT DATE = 12/13/2017	DATE -	REVISED -		SCALE: NONE SHEET 1 OF 2 SHEETS STA. N/A TO STA. N/A			ILLINOIS FED. AID PROJECT SHBI(742)		



DRIVEWAY PLAN VIEW

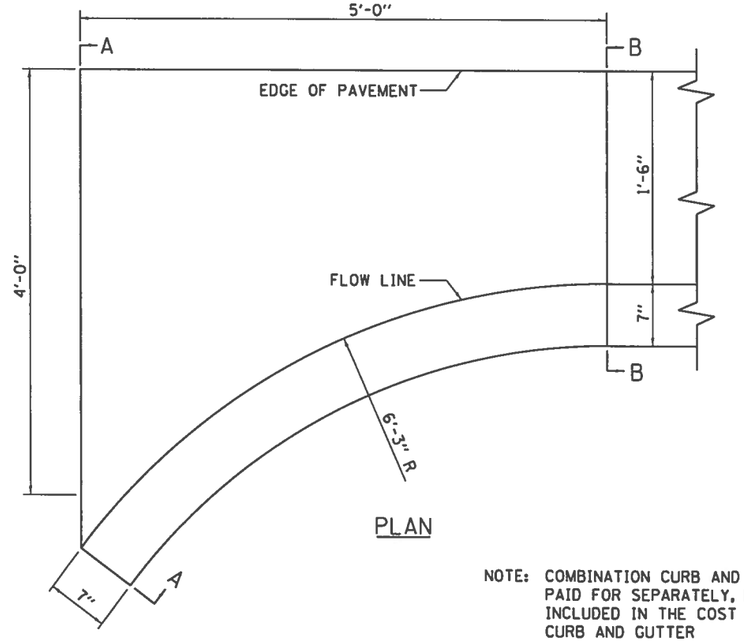


DRIVEWAY CROSS SECTION

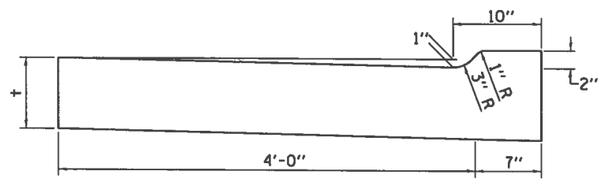
NOTES:

1. FOR CURB AND GUTTER AND SIDEWALK DETAILS, SEE CURRENT HIGHWAY STANDARDS.

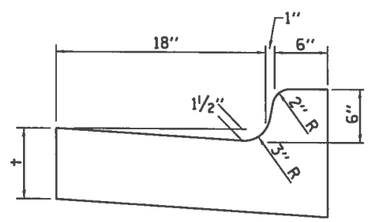
2. FILL JOINTS WITH JOINT SEALANT.



PLAN



SECTION A-A



SECTION B-B

NOTE: COMBINATION CURB AND GUTTER TAPERS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE TYPE B-6.18 COMBINATION CURB AND GUTTER

DETAIL OF TAPER FOR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

FILE NAME = 3999sht-detail_2.dgn	USER NAME = JDean	DESIGNED - AWM	REVISED -
		DRAWN - TJD	REVISED -
#MODELNAME#	PLOT SCALE = 2.0000 ' / in.	CHECKED - AWM	REVISED -
	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

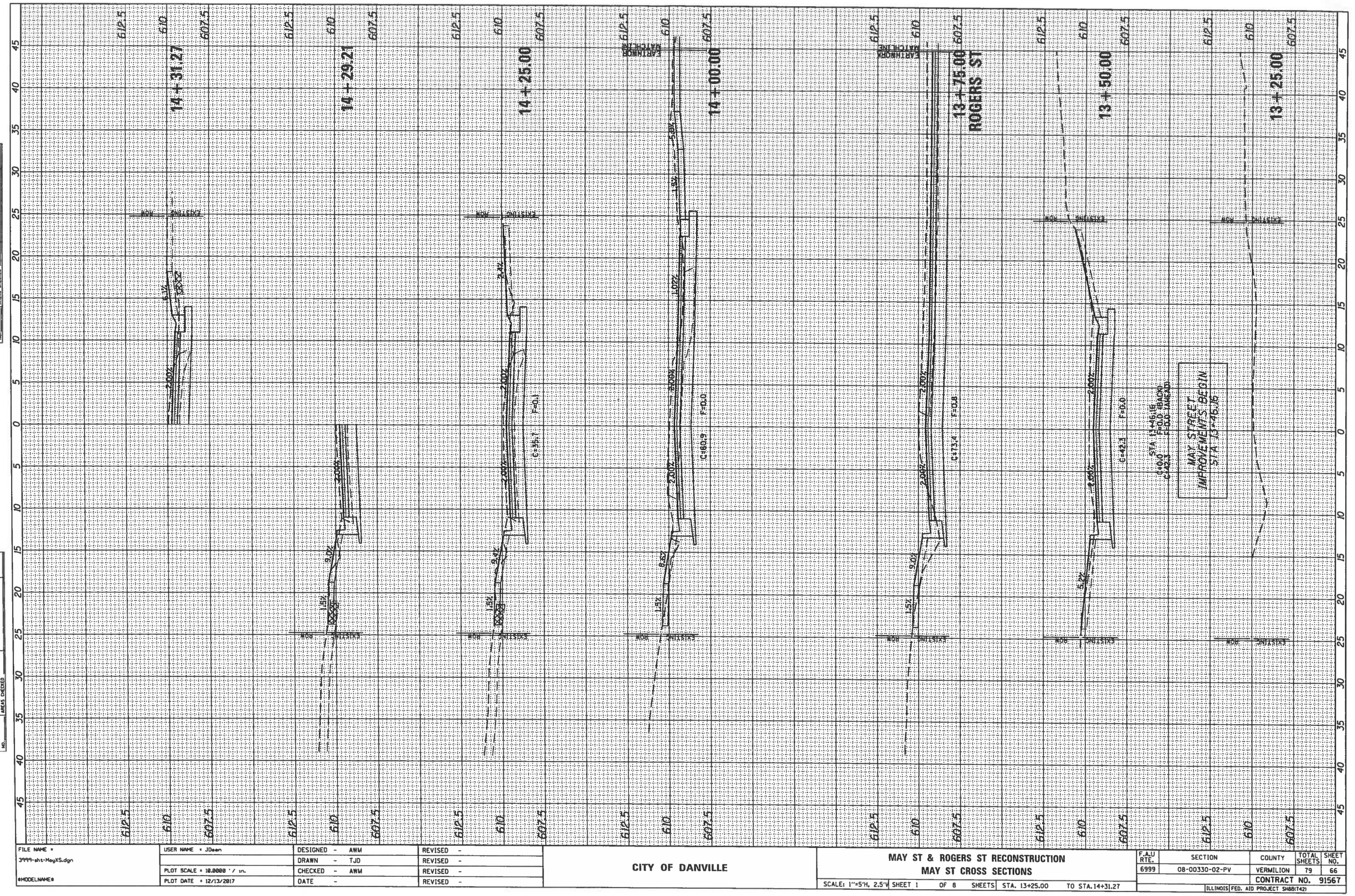
MAY ST & ROGERS ST RECONSTRUCTION
SPECIAL DETAILS

SCALE: NONE | SHEET 2 OF 2 SHEETS | STA. N/A | TO STA. N/A

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	65
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBB(742)			

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

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



FILE NAME = 3999-sht-MayXS.dgn	USER NAME = JDean	DESIGNED - AWM	REVISED -
		DRAWN - TJD	REVISED -
⊕MODELNAME⊕	PLOT SCALE = 10.0000 ' / in.	CHECKED - AWM	REVISED -
	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

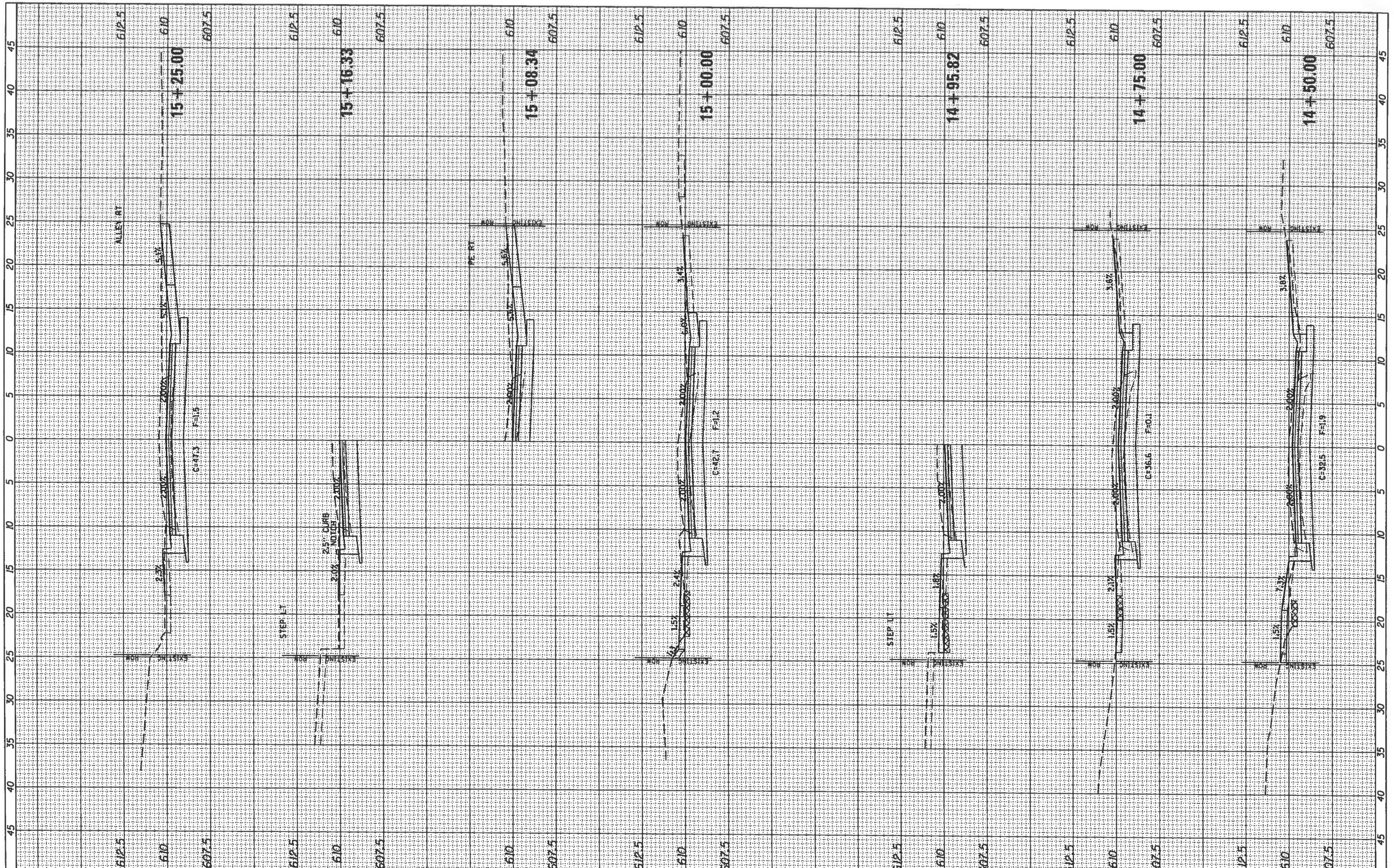
MAY ST & ROGERS ST RECONSTRUCTION
MAY ST CROSS SECTIONS

SCALE: 1"=5'H, 2.5'V | SHEET 1 OF 8 SHEETS | STA. 13+25.00 TO STA. 14+31.27

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	66
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBB(742)			

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

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



FILE NAME =	USER NAME = JDean	DESIGNED - AWM	REVISED -
3999-sht-MayXS.dgn		DRAWN - TJD	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED - AWM	REVISED -
⊕MODELNAME⊕	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

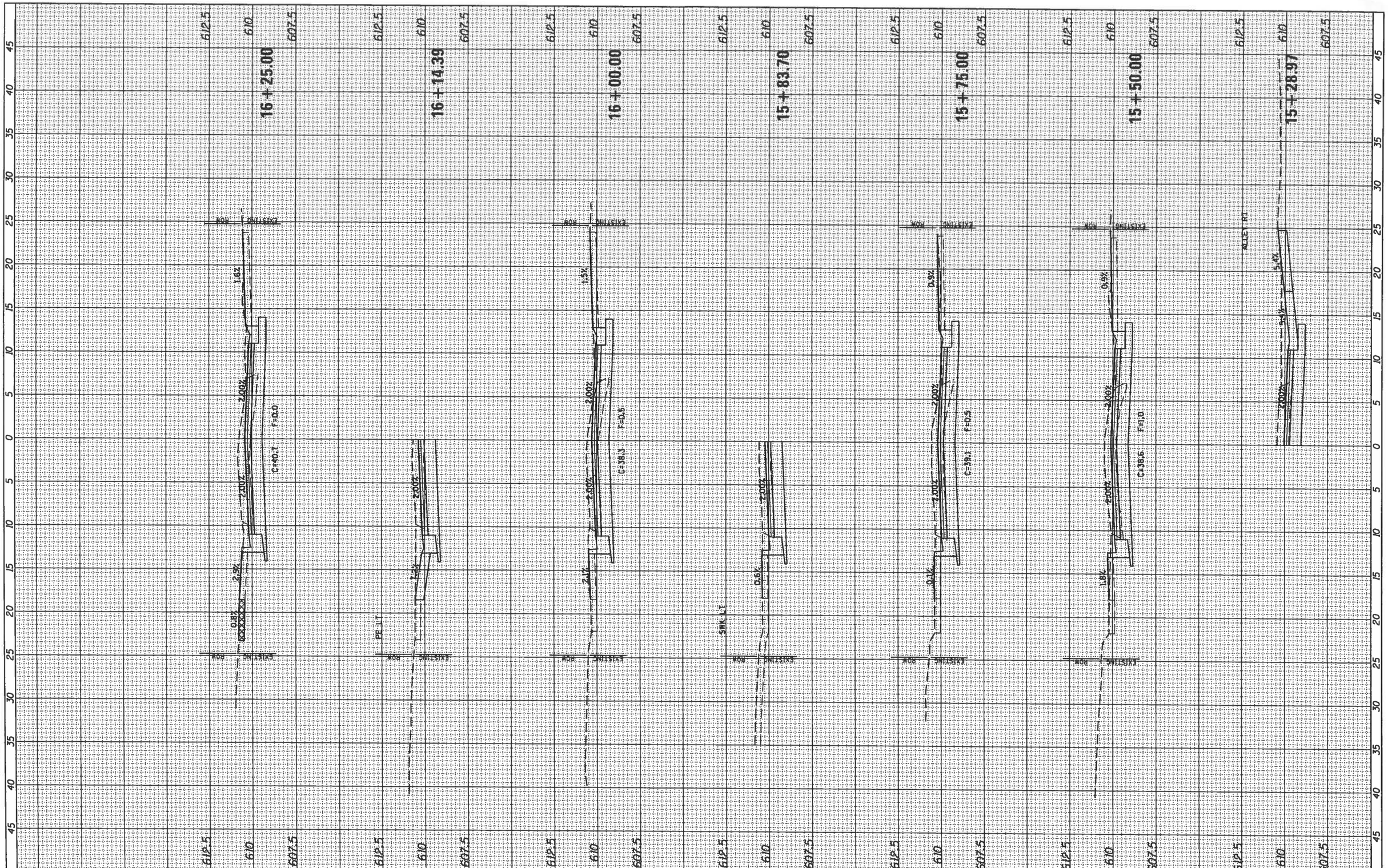
MAY ST & ROGERS ST RECONSTRUCTION
MAY ST CROSS SECTIONS

SCALE: 1"=5'H, 2.5'V | SHEET 2 OF 8 SHEETS | STA. 14+50.00 TO STA. 15+25.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	67
		CONTRACT NO. 91567		
		ILLINOIS FED. AID PROJECT SHBBI(742)		

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

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



FILE NAME =	USER NAME = JDean	DESIGNED - AWM	REVISED -
3999-sht-MayXS.dgn		DRAWN - TJD	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED - AWM	REVISED -
#MODELNAME#	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

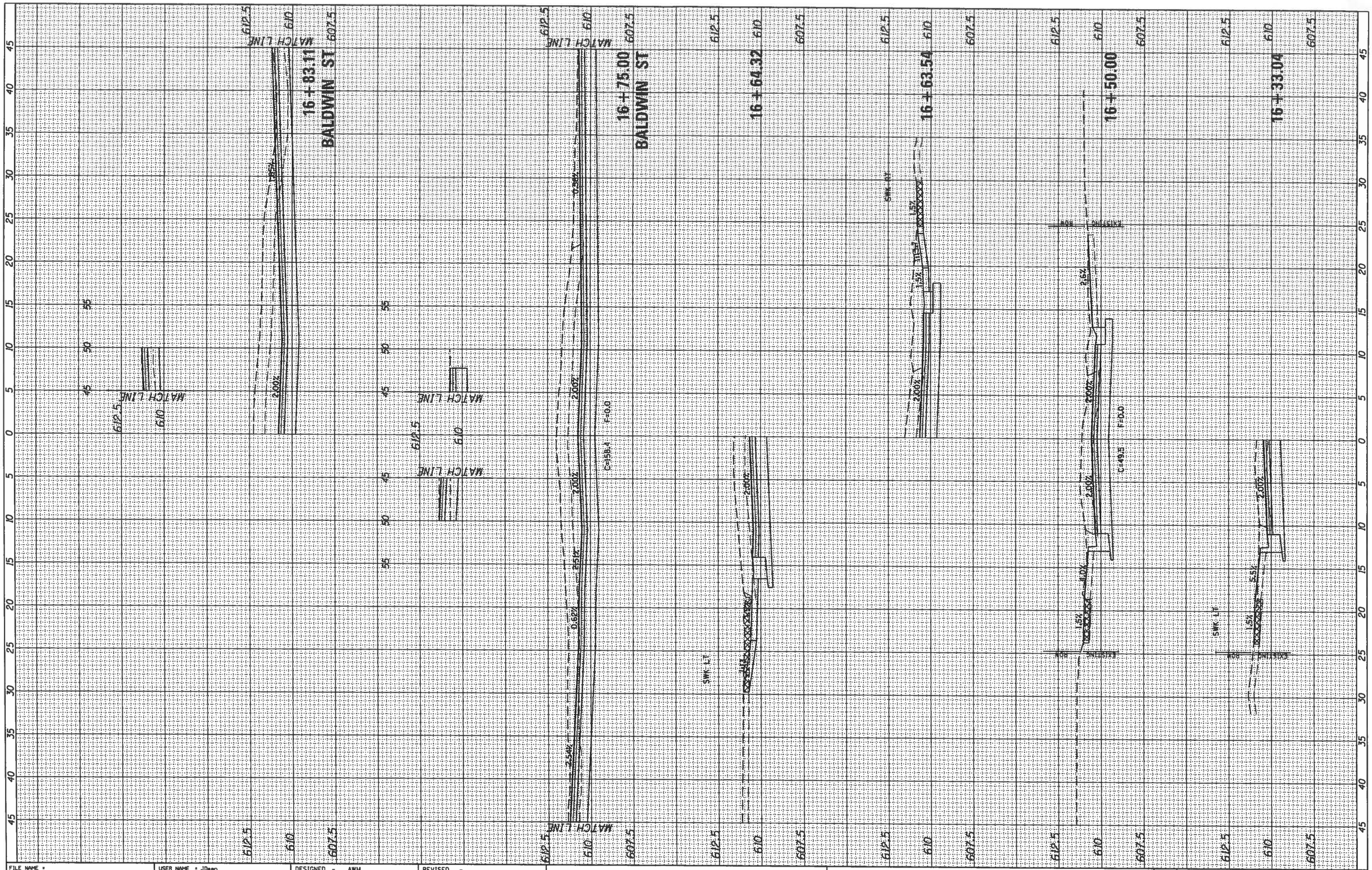
MAY ST & ROGERS ST RECONSTRUCTION
MAY ST CROSS SECTIONS

SCALE: 1"=5'H, 2.5'V | SHEET 3 OF 8 SHEETS | STA. 15+28.97 TO STA. 16+25.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	68
		CONTRACT NO. 91567		
		ILLINOIS FED. AID PROJECT SHBBI(742)		

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

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



FILE NAME = 3999-sht-MayXS.dgn	USER NAME = JDean	DESIGNED - AWM	REVISED -
		DRAWN - TJD	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED - AWM	REVISED -
@MODELNAME@	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

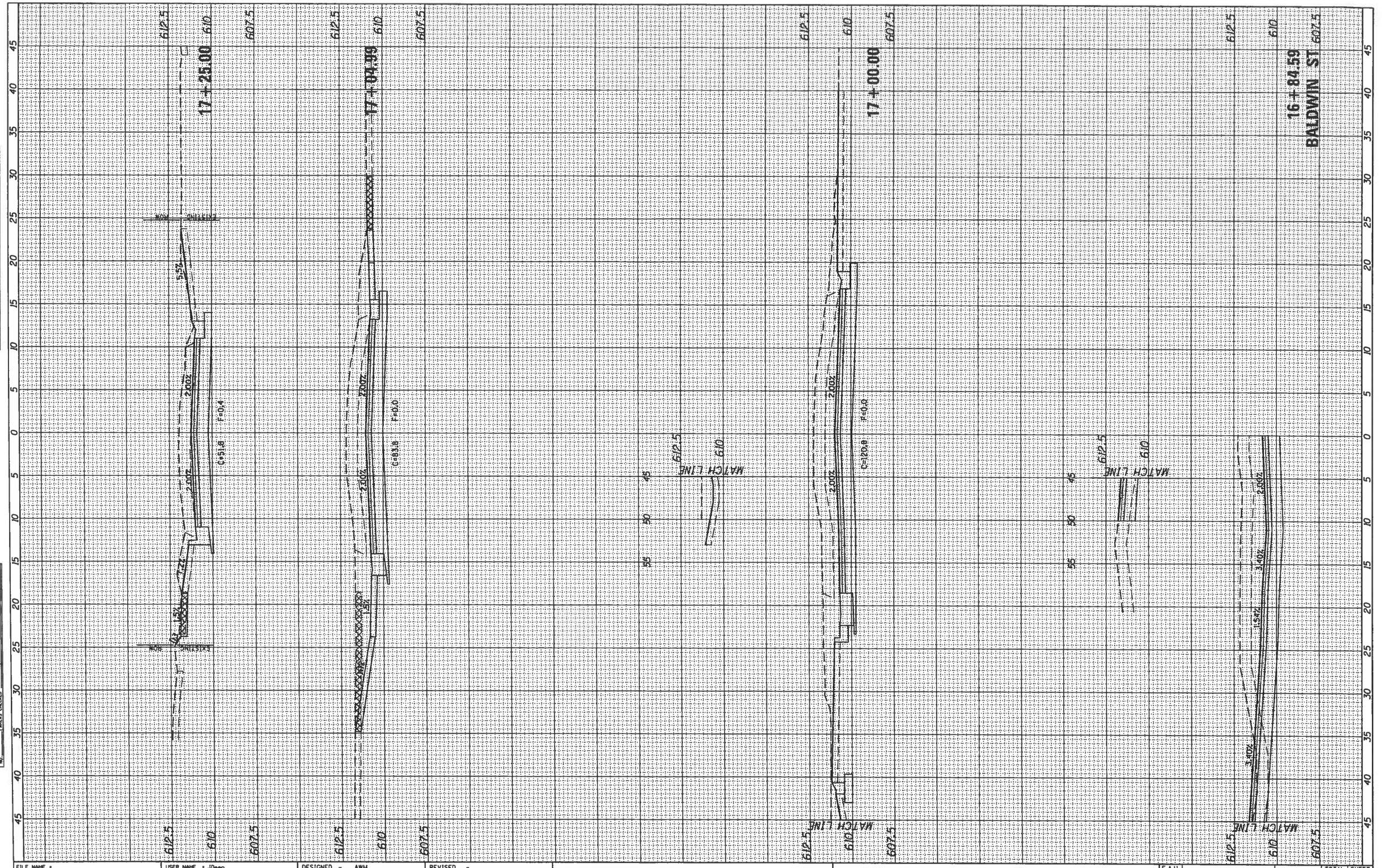
MAY ST & ROGERS ST RECONSTRUCTION
MAY ST CROSS SECTIONS

SCALE: 1"=5'H, 2.5'V | SHEET 4 OF 8 SHEETS | STA. 16+33.04 TO STA. 16+83.11

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	69
		CONTRACT NO. 91567		
		ILLINOIS FED. AID PROJECT SHBI(742)		

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

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



FILE NAME =	USER NAME = JDean	DESIGNED - AWM	REVISED -
3999-sht-MayXS.dgn		DRAWN - TJD	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED - AWM	REVISED -
⊕MODELNAME⊕	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

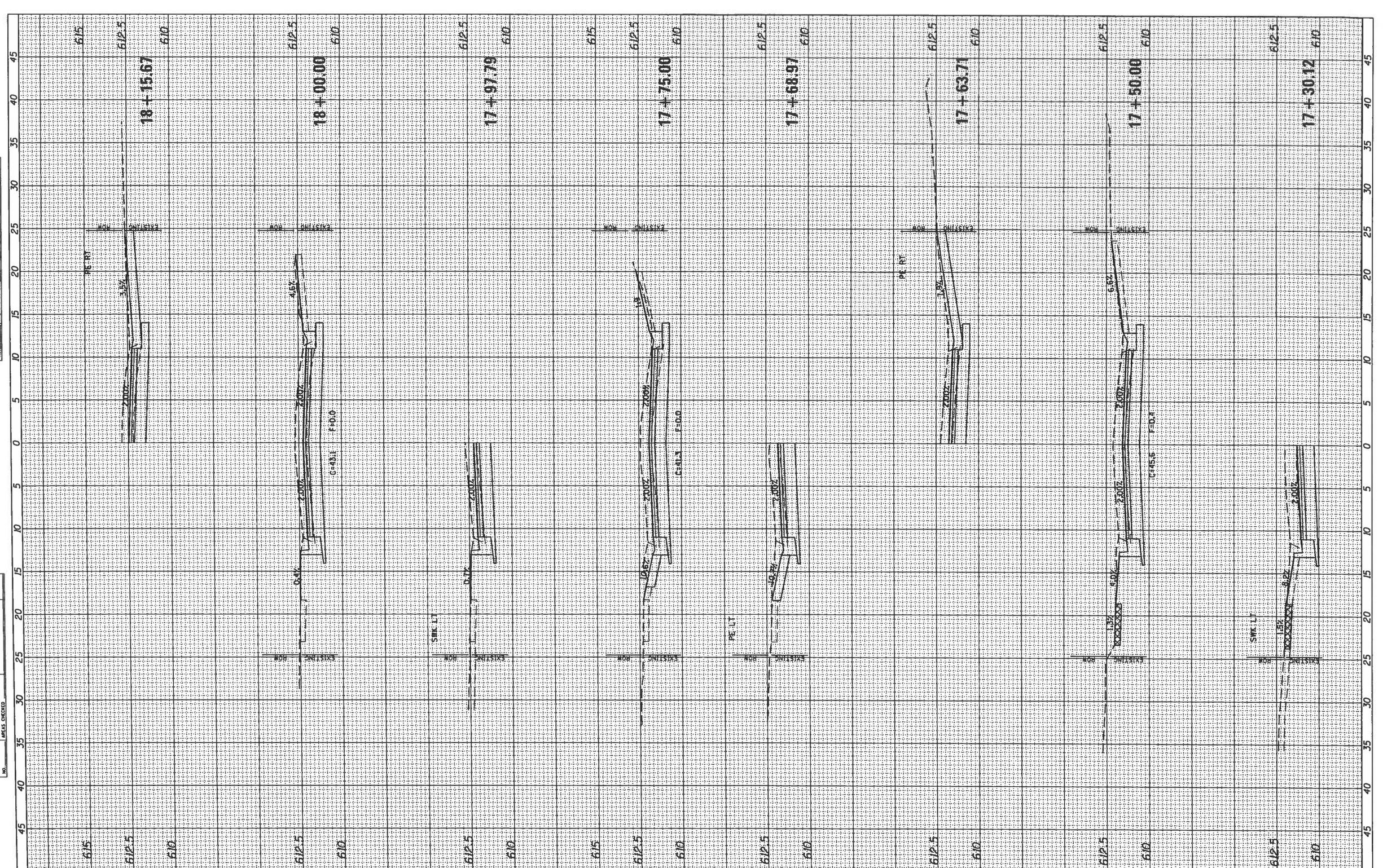
MAY ST & ROGERS ST RECONSTRUCTION
MAY ST CROSS SECTIONS

SCALE: 1"=5'H, 2.5'V | SHEET 5 OF 8 SHEETS | STA. 16+84.59 TO STA. 17+25.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	70
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBB(742)			

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

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



FILE NAME =	USER NAME = JDean	DESIGNED - AWM	REVISED -
3999-sht-MayXS.dgn		DRAWN - TJD	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED - AWM	REVISED -
#MODELNAME#	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

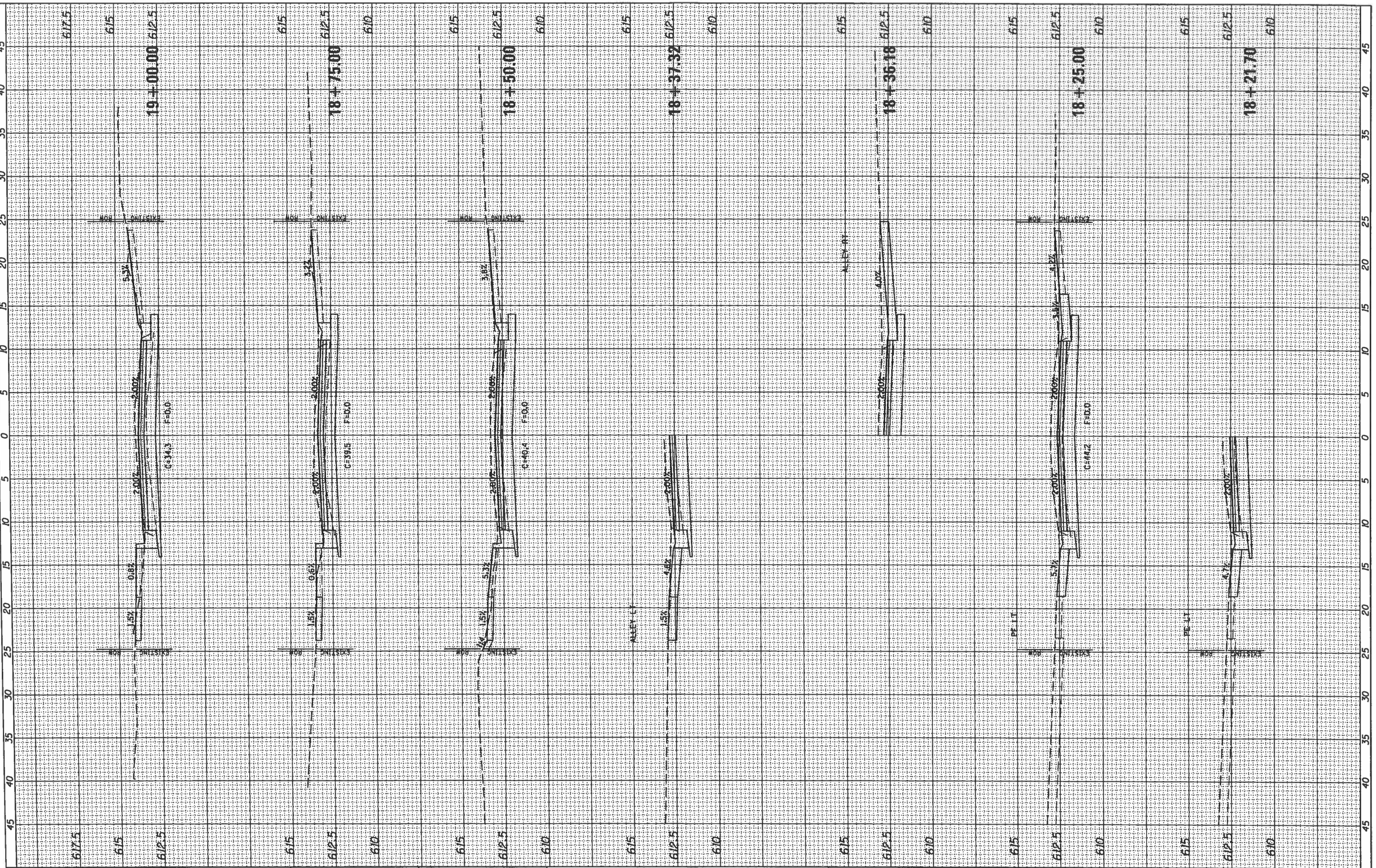
MAY ST & ROGERS ST RECONSTRUCTION
MAY ST CROSS SECTIONS

SCALE: 1"=5'H, 2.5'V | SHEET 6 OF 8 SHEETS | STA. 17+30.12 TO STA. 18+15.67

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	71
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBBIT42)			

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

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



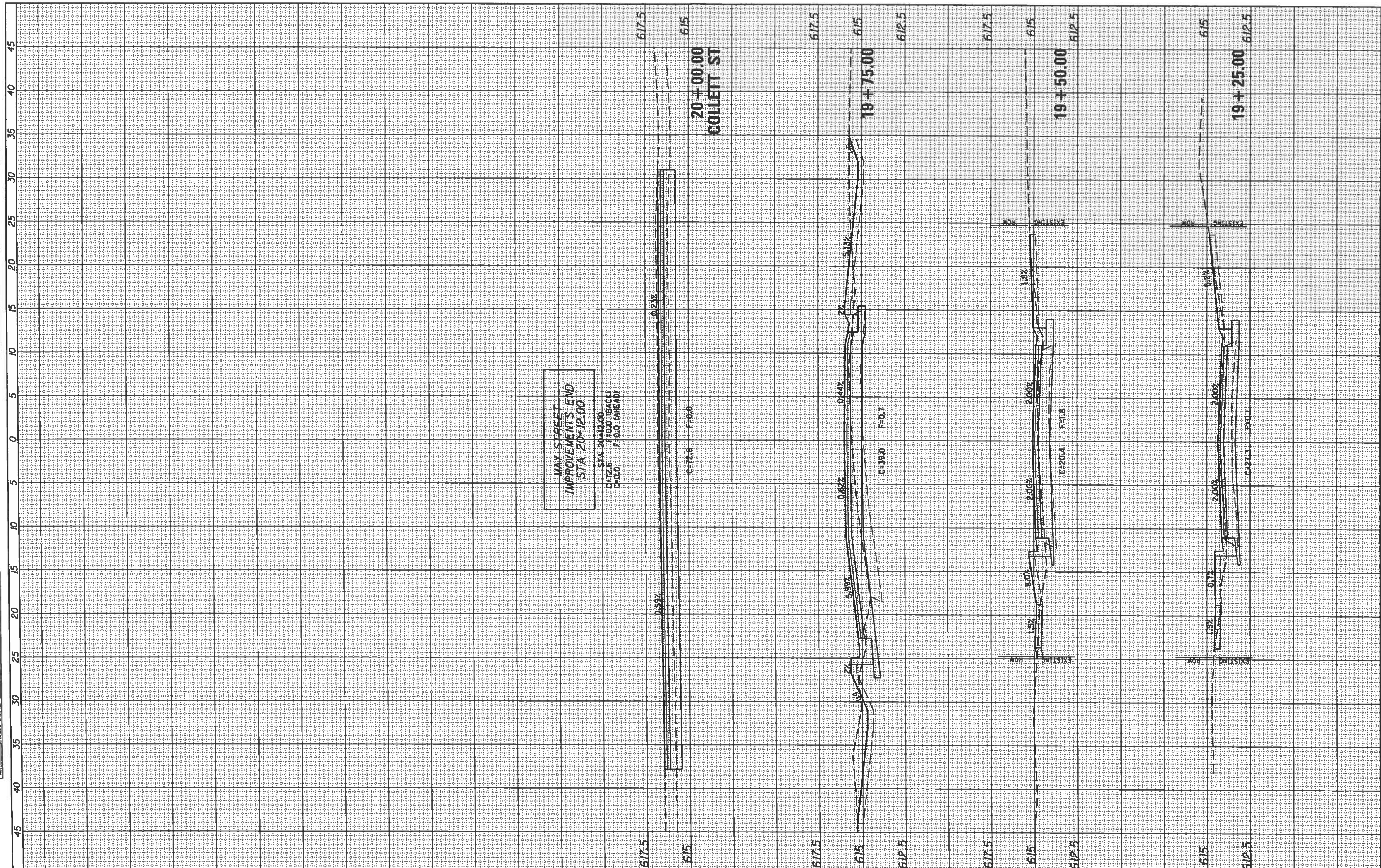
FILE NAME =	USER NAME = JDean	DESIGNED - AWM	REVISED -
3999-sht-MayXS.dgn		DRAWN - TJD	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED - AWM	REVISED -
@MODELNAME@	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

MAY ST & ROGERS ST RECONSTRUCTION
MAY ST CROSS SECTIONS

SCALE: 1"=5'H, 2.5'V | SHEET 7 OF 8 SHEETS | STA. 18+21.70 TO STA. 19+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	72
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBB(742)			



FILE NAME = 3999-sht-MayXS.dgn	USER NAME = JDean	DESIGNED - AWM	REVISED -
		DRAWN - TJD	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED - AWM	REVISED -
$MODELNAME$	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

MAY ST & ROGERS ST RECONSTRUCTION
MAY ST CROSS SECTIONS

SCALE: 1"=5'H, 2.5'V | SHEET 8 OF 8 SHEETS | STA. 19+25.00 TO STA. 20+00.00

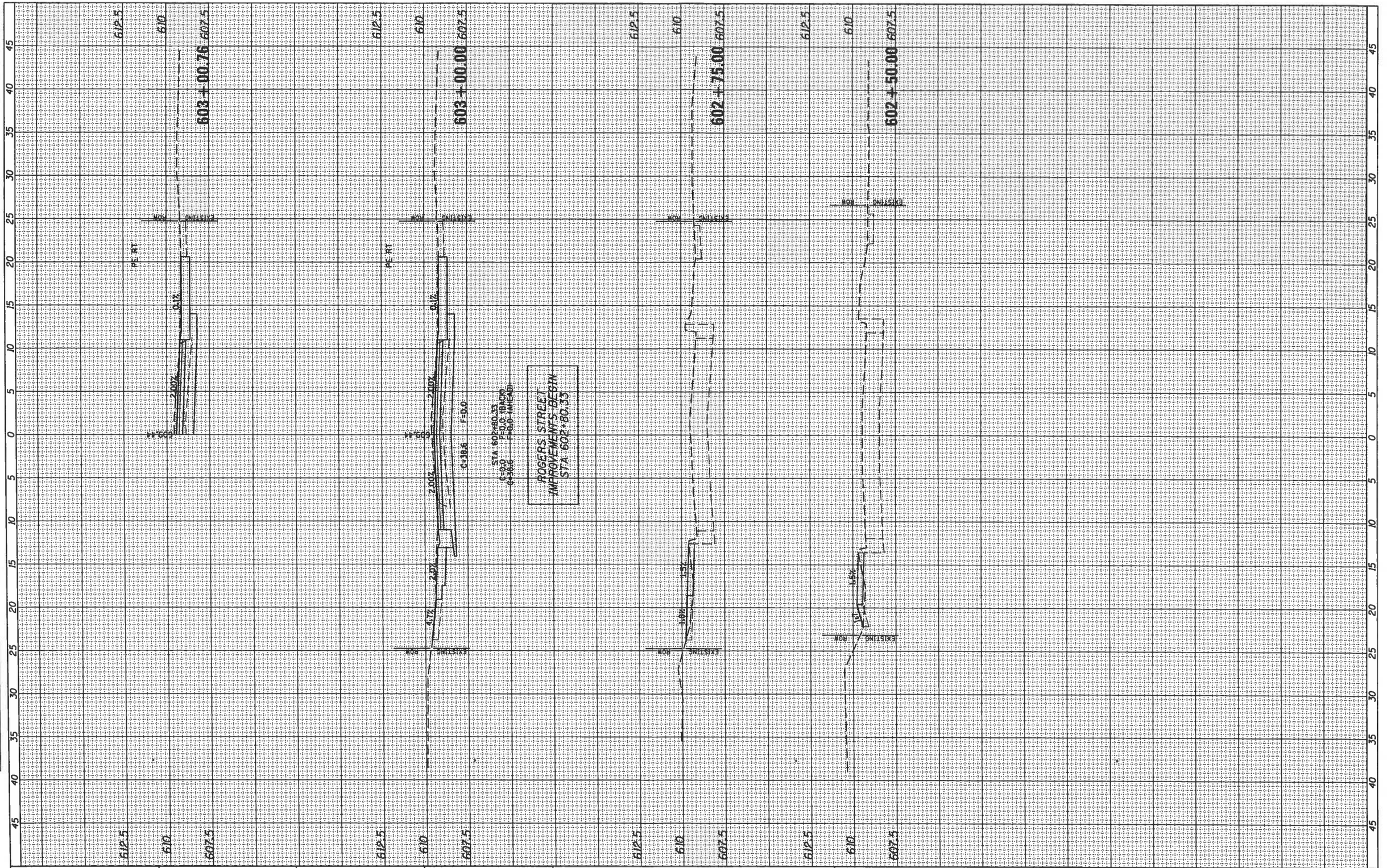
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	73

CONTRACT NO. 91567

ILLINOIS FED. AID PROJECT SH88(T42)

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

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



FILE NAME = 3999-sht-RogersXS.dgn	USER NAME = JDean	DESIGNED - AWM	REVISED -
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	PLOT SCALE = 10.0000 ' / in.	CHECKED - AWM	REVISED -
$MODELNAME$	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

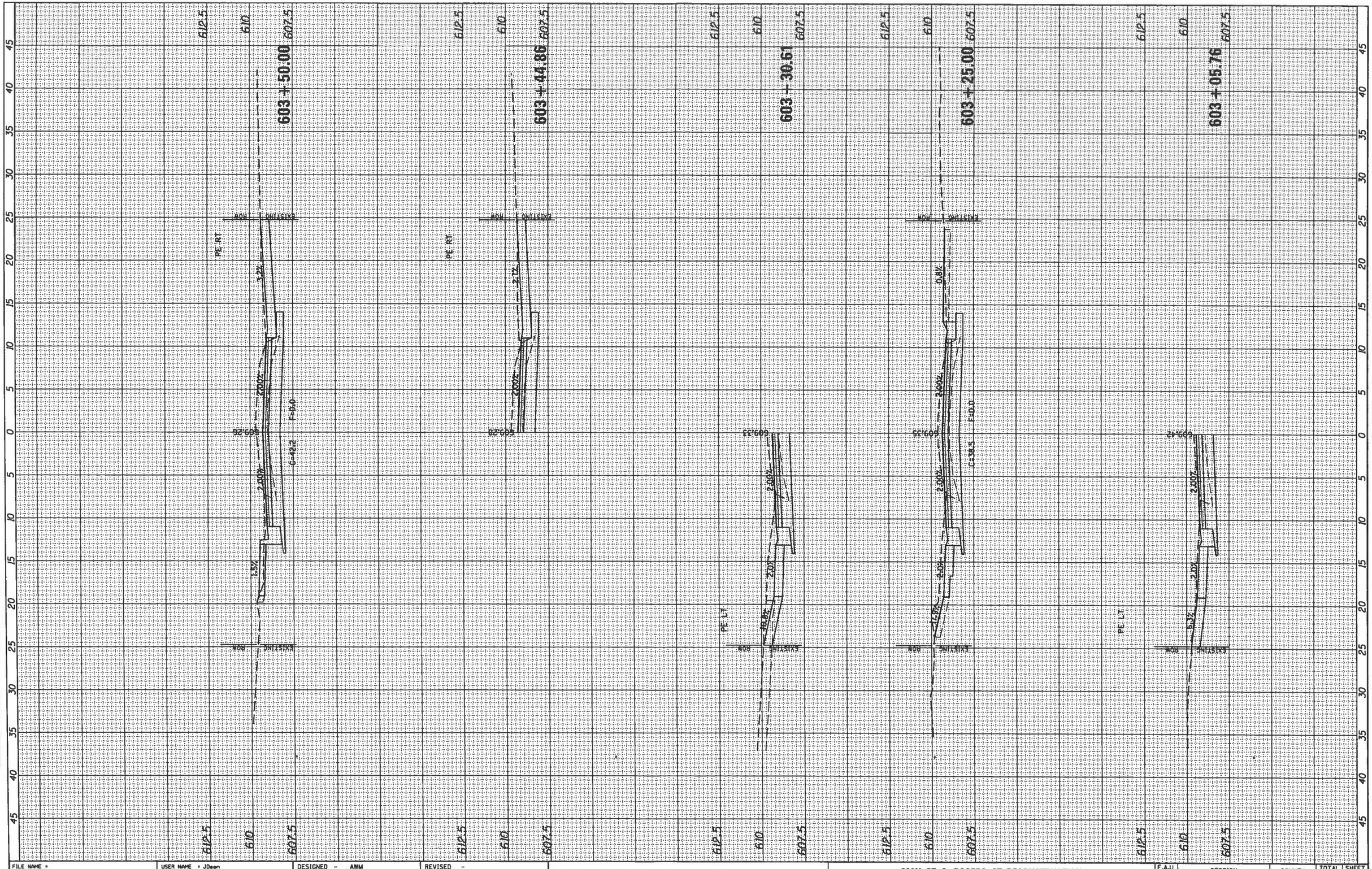
MAY ST & ROGERS ST RECONSTRUCTION
ROGERS ST CROSS SECTIONS

SCALE: 1"=5'H, 2.5'V | SHEET 1 OF 3 SHEETS | STA. 602+50.00 TO STA. 603+00.76

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	74
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBI7423			

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

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



FILE NAME = 3999-sht-RogersXS.dgn	USER NAME = JDean	DESIGNED - AWM	REVISED -
		DRAWN - TJD	REVISED -
$MODELNAME$	PLOT SCALE = 10.0000 ' / in.	CHECKED - AWM	REVISED -
	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

MAY ST & ROGERS ST RECONSTRUCTION
ROGERS ST CROSS SECTIONS

SCALE: 1"=5'H, 2.5'V | SHEET 2 OF 3 SHEETS | STA. 603+05.76 TO STA. 603+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	75
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBBIT42D			

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

ROGERS STREET
IMPROVEMENTS END
STA 604+88.79

604+50.00

604+25.00

604+00.00

603+90.01

603+75.00

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

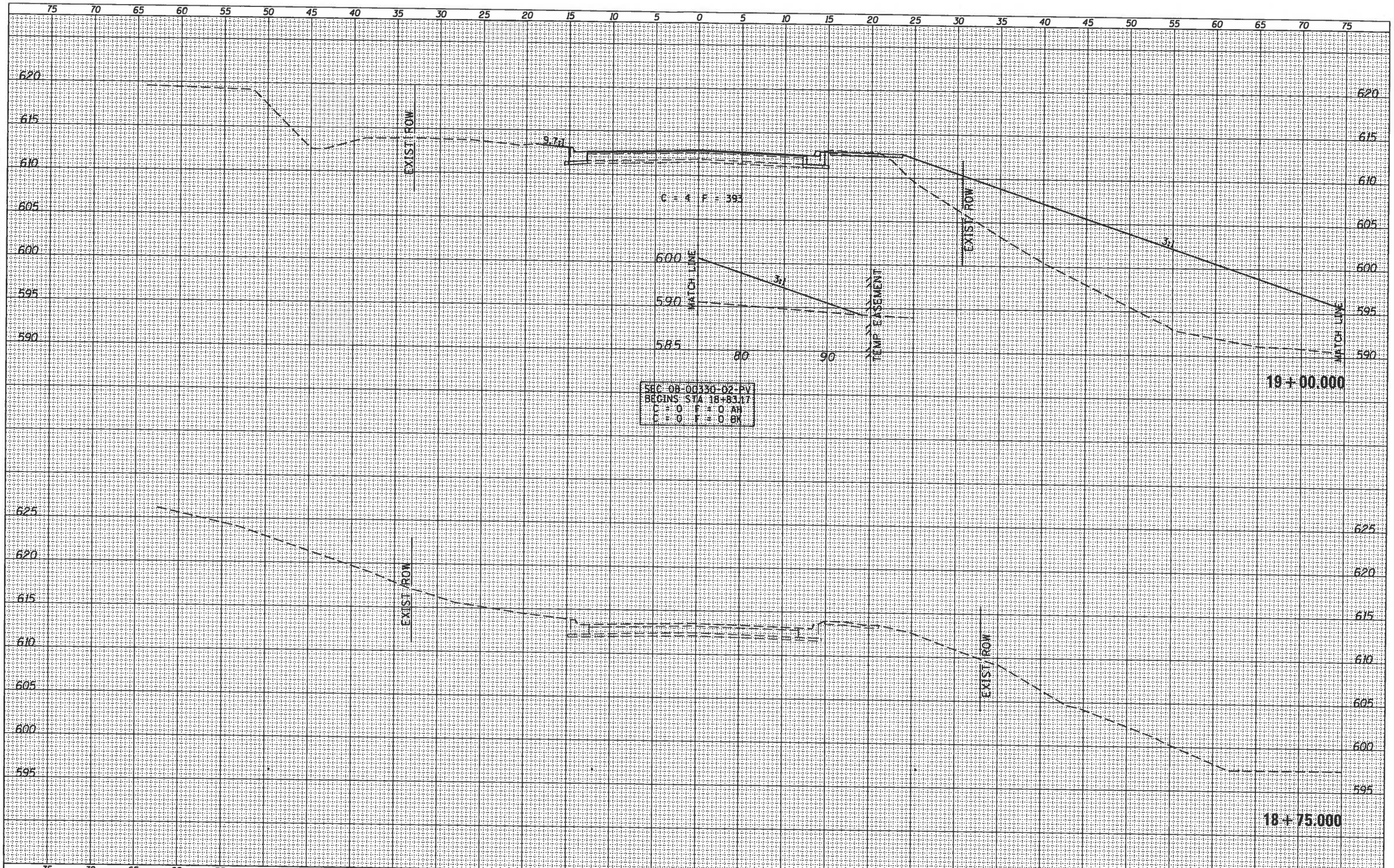
FILE NAME = 3999-sht-RogersXS.dgn	USER NAME = JDeen	DESIGNED - AWM	REVISED -
		DRAWN - TJD	REVISED -
⊕MODELNAME⊕	PLOT SCALE = 10.0000 ' / in.	CHECKED - AWM	REVISED -
	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

MAY ST & ROGERS ST RECONSTRUCTION
ROGERS ST CROSS SECTIONS

SCALE: 1"=5'H, 2.5'V | SHEET 3 OF 3 SHEETS | STA. 603+75.00 TO STA. 604+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	76
		CONTRACT NO. 91567		
	ILLINOIS FED. AID PROJECT SHBBKT42)			



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

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

FILE NAME = 3999-sht-VoorheesXSHTS.dgn	USER NAME = JDean	DESIGNED - BAN	REVISED -
		DRAWN - CET	REVISED -
⊕MODELNAME⊕	PLOT SCALE = 10.0000 ' / in.	CHECKED - BAN	REVISED -
	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

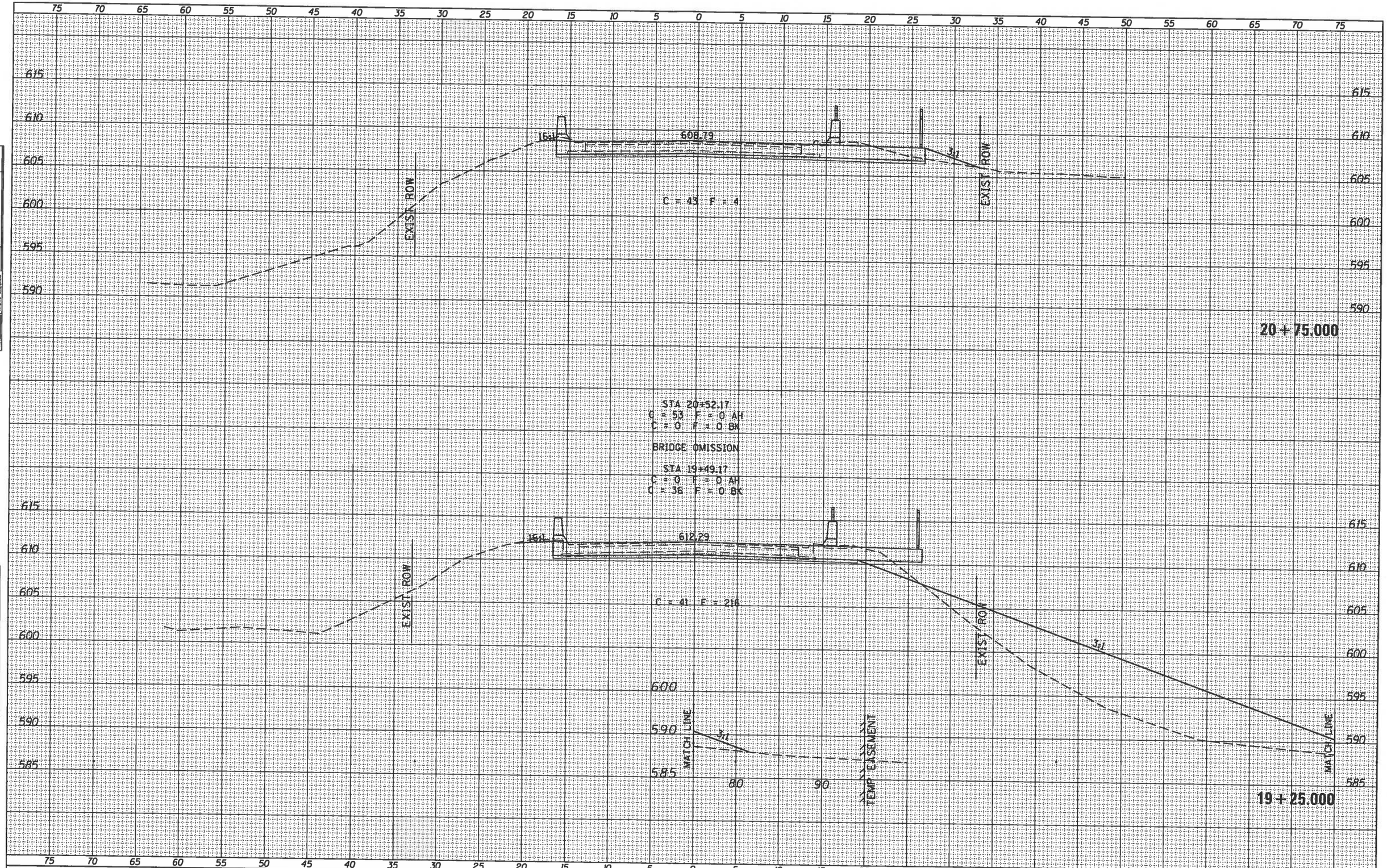
VOORHEES ST OVER STONEY CREEK
CROSS SECTIONS

SCALE: 1"=5'H, 5'V | SHEET 1 OF 3 SHEETS | STA. 18+75.00 TO STA. 19+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	77

CONTRACT NO. 91567

ILLINOIS | FED. AID PROJECT SHBR1742)



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

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

FILE NAME = 3999-sht-VoorheesXSHTS.dgn	USER NAME = JDean	DESIGNED - BAN	REVISED -
		DRAWN - CET	REVISED -
#MODELNAME#	PLOT SCALE = 10.0000 ' / in.	CHECKED - BAN	REVISED -
	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

VOORHEES ST OVER STONEY CREEK
CROSS SECTIONS

SCALE: 1"=5'H, 5'V | SHEET 2 OF 3 SHEETS | STA. 19+25.00 TO STA. 20+75.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	78
		CONTRACT NO. 91567		
		ILLINOIS FED. AID PROJECT SHBR(T42)		

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

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

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

610 605 600 595

EXIST. ROW

EXIST. ROW

21 + 25.000

SEC 08-00330-02-PV
ENDS STA 21+12.17
C = 0 F = 0 AH
C = 0 F = 0 BK

615 610 605 600 595 590

16:1

16:1

C = 4 F = 0

EXIST. ROW

EXIST. ROW

21 + 00.000

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

FILE NAME = 3999-sht-VoorheesXSHTS.dgn	USER NAME = JDean	DESIGNED - BAN	REVISED -
		DRAWN - CET	REVISED -
⊕MODELNAME⊕	PLOT SCALE = 10.0000 ' / in.	CHECKED - BAN	REVISED -
	PLOT DATE = 12/13/2017	DATE -	REVISED -

CITY OF DANVILLE

VOORHEES ST OVER STONEY CREEK
CROSS SECTIONS

SCALE: 1"=5'H, 5'V | SHEET 3 OF 3 SHEETS | STA. 21+00.00 TO STA. 21+25.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-02-PV	VERMILION	79	79

CONTRACT NO. 91567

ILLINOIS FED. AID PROJECT SHBB(742)