~~3-10-06 Letting, Item 058~~

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	1
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

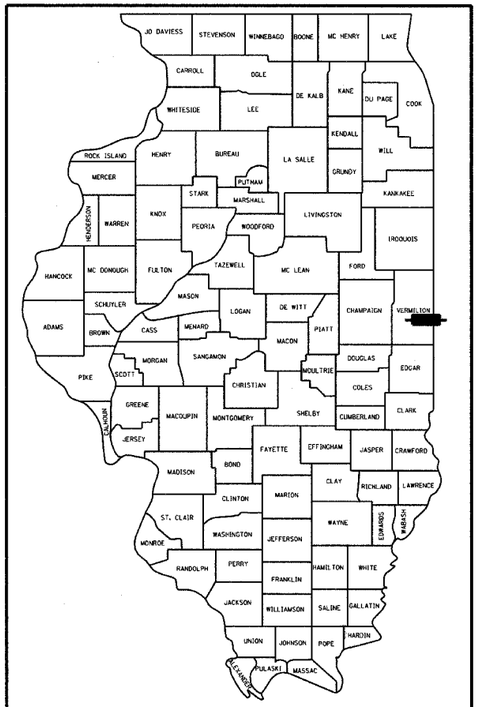
PLAN | SURVEYED | BY | DATE
PLOTTED | CHECKED
ALIGNMENT | CHECKED
RT. OF WAY | CHECKED
NOTE BOOK | CADD FILE NAME
NO.

INDEX OF SHEETS

CITY OF DANVILLE
VERMILION COUNTY

PLANS FOR PROPOSED WINTER AVENUE OVER STONEY CREEK BRIDGE REPLACEMENT

FAU ROUTE 6998 (WINTER AVENUE)
SECTION: 99-00209-02-PV
CONSTRUCTION JOB NO.: C-95-302-06
PROJECT NO.: HPP-2309(001)



LOCATION OF SECTION INDICATED THUS:- ▬

SCALES: PLAN 0 20' 40' | PROFILE HORIZ. 0 20' 40' | PROFILE VERT. 0 5' 10' | CROSS SECTIONS HORZ. 0 10' 20' | CROSS SECTIONS VERT. 0 5' 10'

JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS
J.U.L.I.E. Telephone No. Toll Free 1-800-892-0123

UTILITIES NOTE:
Utilities Shown Are As Reported to Us and As Indicated On Existing Utility Base Maps and Reference Data Provided to Us. No Attempt Has Been Made to Excavate, Uncover or Expose These Facilities to Field Check The Existence, Size, Depth, Condition, Capacity or Exact Location of These Utilities. For Additional Information Contact:

CITY OF DANVILLE
ENGINEERING DIVISION OF THE
PUBLIC WORKS DEPARTMENT
17 WEST MAIN STREET
DANVILLE, IL 61832
PHONE: 217-431-2383
FAX: 217-431-2237

SANITARY SEWERS, STORM SEWERS:
CITY OF DANVILLE
SEWER DEPARTMENT
17 WEST MAIN STREET
DANVILLE, IL 61832
PHONE: 217-431-2380
FAX: 217-431-2237

WATER:
CONSUMERS ILLINOIS WATER COMPANY
1300 WEST FAIRCHILD STREET
DANVILLE, IL 61832
PHONE: 217-442-3063
FAX: 217-442-0178

POWER:
AMERENIP
1112 WEST ANTHONY DRIVE
PO BOX 17070
URBANA, IL 61803-7070
PHONE: 1-800-755-5000
FAX: 217-424-7007

GAS:
AMERENIP
2460 NORTH JASPER STREET
DECATUR, IL 62526
PHONE: 1-800-755-5000
FAX: 217-425-4151

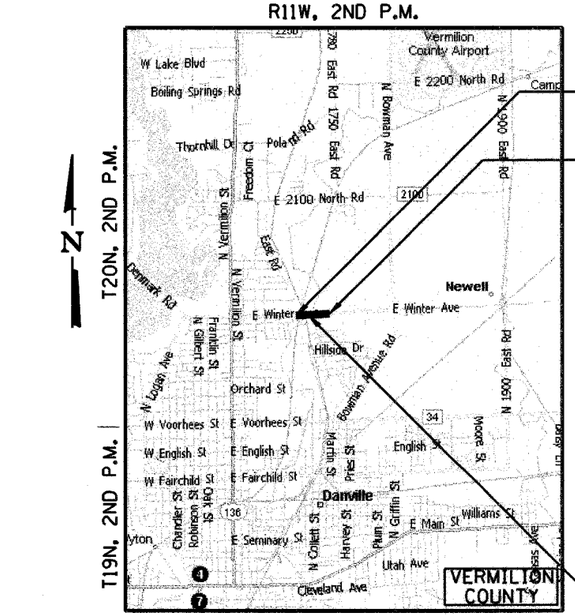
CABLE TELEVISION:
INSIGHT COMMUNICATIONS
806½ EAST MAIN STREET
DANVILLE, IL 61832
PHONE: 217-443-2941
FAX: 217-443-3907

TELEPHONE:
AMERITECH
320 NORTH WALNUT STREET
DANVILLE, IL 61832
PHONE: 217-443-7830
FAX: 217-443-7883

FIRE DEPARTMENT
DANVILLE FIRE DEPARTMENT
1111 NORTH GRIFFIN
DANVILLE, IL 61832
EMERGENCY CALLS PHONE: 911
NON-EMERGENCY CALLS
PHONE: 217-431-2350
FAX: 217-431-2359

CORPORATE SEAL OF THE CITY OF DANVILLE ILLINOIS

R11W, 2ND P.M.



STA. 102+36.00
Improvement Begins

STA. 111+50.00
Improvement Ends

STA. 105+81.20 TO 106+88.20
Structure No. 092-6033
Bridge over Stoney Creek

LOCATION MAP
Approximate Scale 0 1 MI. 2 MI.

CONTRACT NO.: 91356

DESIGN DESIGNATIONS:
Winter Avenue (F.A.U. 6998)
ADT (2025) = 11,000
Design Speed: 30 m.p.h.
Highway Class: Minor Arterial

Total Length of Improvement
= 914.00 ft. = 0.173 mi.
Net Length of Improvement
= 423.36 ft. = 0.080 mi.

APPROVED January 3 20 06
R. David Ashville
CITY ENGINEER

PASSED 1/9 20 06
David A Smith
DISTRICT 5 ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID BASED ON LIMITED REVIEW 1/9 20 06
Joseph E Lenzini
REGIONAL ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEPHEN M. KELVE 62-048103 REGISTERED PROFESSIONAL ENGINEER STATE OF ILLINOIS

Stephen M Kelve
Illinois Professional No. 62-048103

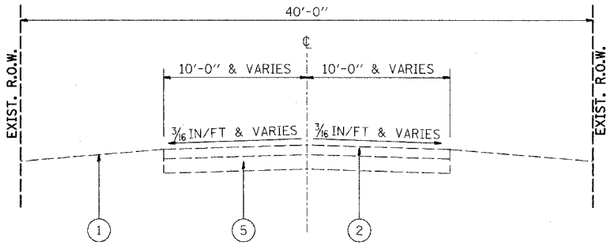
1-3-06
Date
Expires: 11-30-2007

URS CORPORATION
3040 N. UNIVERSITY AVE., SUITE 1
DECATUR, IL 62526
217-875-4800

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

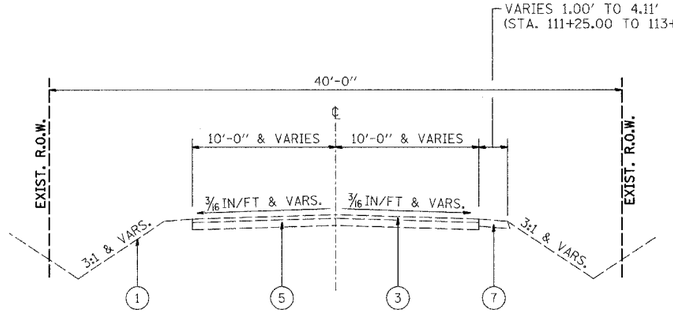
CONTRACT NO.: 91356

PLAN
SURVEYED BY: DATE:
DRAWN BY: DATE:
CHECKED BY: DATE:
NOTE BOOK
ALIGNMENT CHECKED AT: ON:
NO.
CADD FILE NAME:



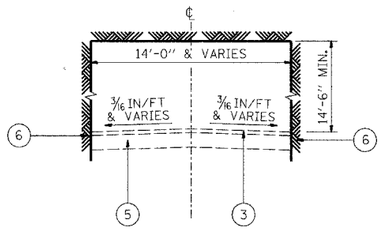
EXISTING TYPICAL SECTION (E1)

STA. 103+00.00 TO STA. 104+16.23



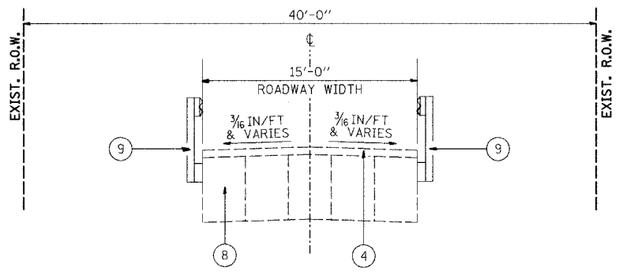
EXISTING TYPICAL SECTION (E3)

STA. 104+65.54 TO STA. 106+03.31
STA. 106+68.25 TO STA. 113+00.00



EXISTING TYPICAL SECTION (E2)

STA. 104+16.23 TO STA. 104+65.54



EXISTING TYPICAL SECTION (E4)

STA. 106+03.31 TO STA. 106+68.25

LEGEND:

1. EX. GROUND LINE
2. EX. BIT. SURFACE, 4"
3. EX. O&C SURFACE, 1½"
4. EX. O&C SURFACE, 2"
5. EX. AGG. BASE COURSE, 6"
6. EX. ABUTMENT
7. EX. BITUMINOUS PAVEMENT, 6" (FROM CONTRACT 1)
8. EX. CONC. DECK BEAMS 36"X27"
9. EX. STEEL PLATE BEAM GUARDRAIL

(E1) TO (E4) = LABELS FOR PLANS SHEET TO REFERENCE EXISTING TYPICALS

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS

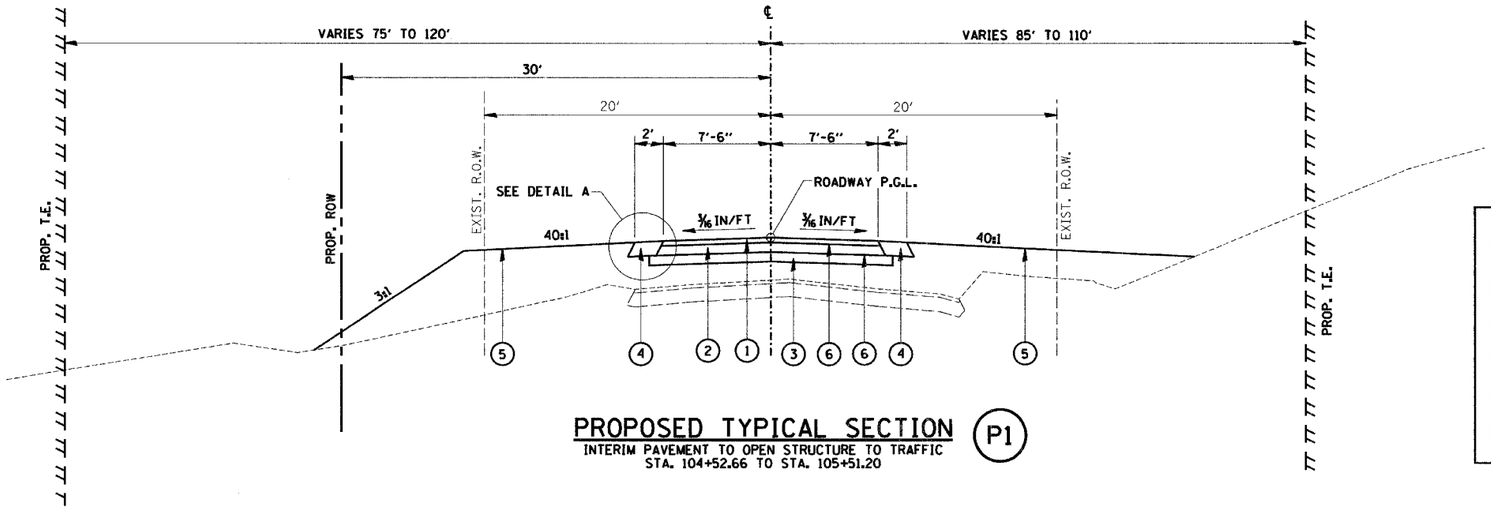
WINTER AVENUE RECONSTRUCTION
EXISTING TYPICAL SECTIONS
E1-E4
WINTER AVENUE

SCALE: NTS DATE: 12/30/05
DRAWN BY: MLS CHECKED BY: MBF

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	3
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

PLAN
SURVEYED BY DATE
DRAWN BY
CHECKED BY
ALIGNMENT CHECKED
PLANS CHECKED
NOTE BOOK
NO.
CADD FILE NAME

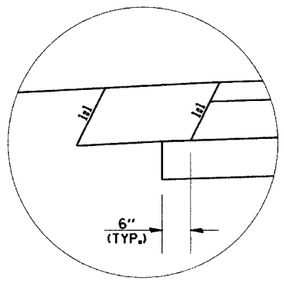


PROPOSED TYPICAL SECTION (P1)

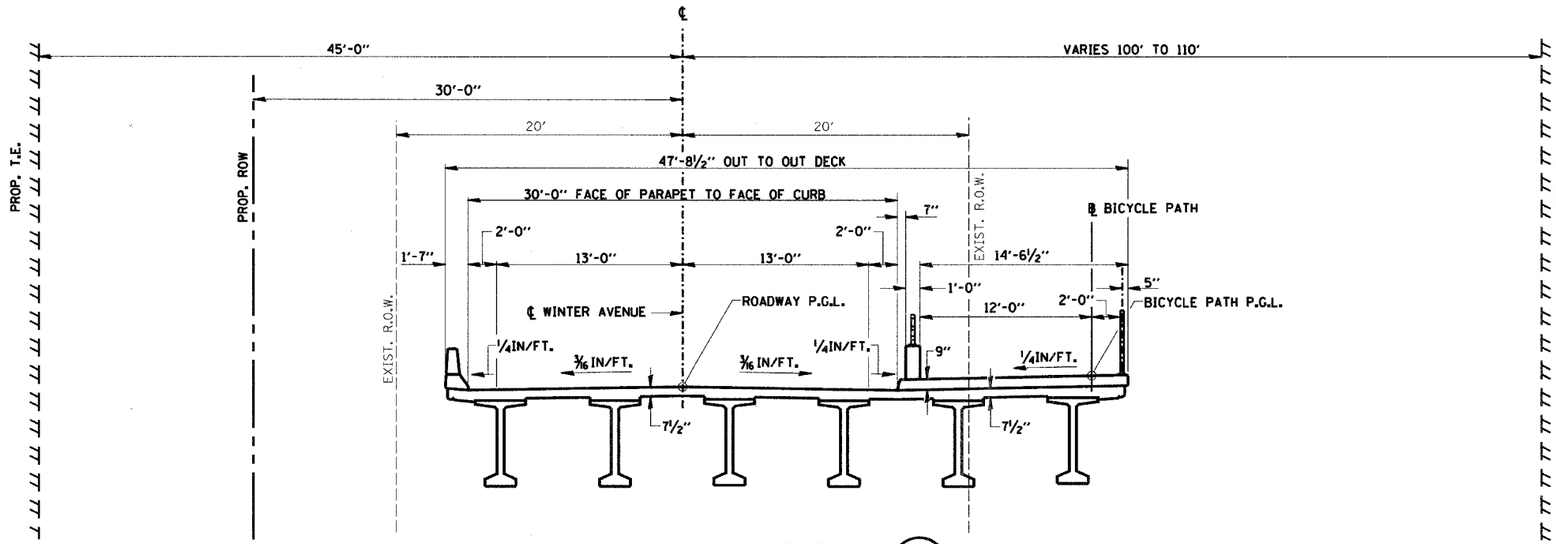
INTERIM PAVEMENT TO OPEN STRUCTURE TO TRAFFIC
STA. 104+52.66 TO STA. 105+51.20

PROPOSED LEGEND:

1. BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 2"
2. BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50, 4"
3. AGGREGATE BASE COURSE, TYPE B, 4"
4. AGGREGATE SHOULDER, TYPE B, 6"
5. SEEDING CLASS 7 WITH MULCH METHOD 1
6. PRIME COAT



DETAIL A



PROPOSED TYPICAL SECTION (P2)

STA. 105+81.20 TO STA. 106+88.20
*STA. 105+51.20 TO STA. 105+81.20
*STA. 106+88.20 TO STA. 107+18.20

*BRIDGE APPROACH PAVEMENT (SPECIAL)

(P1) TO (P4) = LABELS FOR PLANS SHEET TO REFERENCE EXISTING TYPICALS

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS
WINTER AVENUE RECONSTRUCTION
PROPOSED TYPICAL SECTIONS
P1-P2
WINTER AVENUE

SCALE: NTS DATE: 12/30/05
DRAWN BY: SRS CHECKED BY: MBF

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	4
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

PLAN
SURVEYED
DRAWN
ALIGNMENT CHECKED
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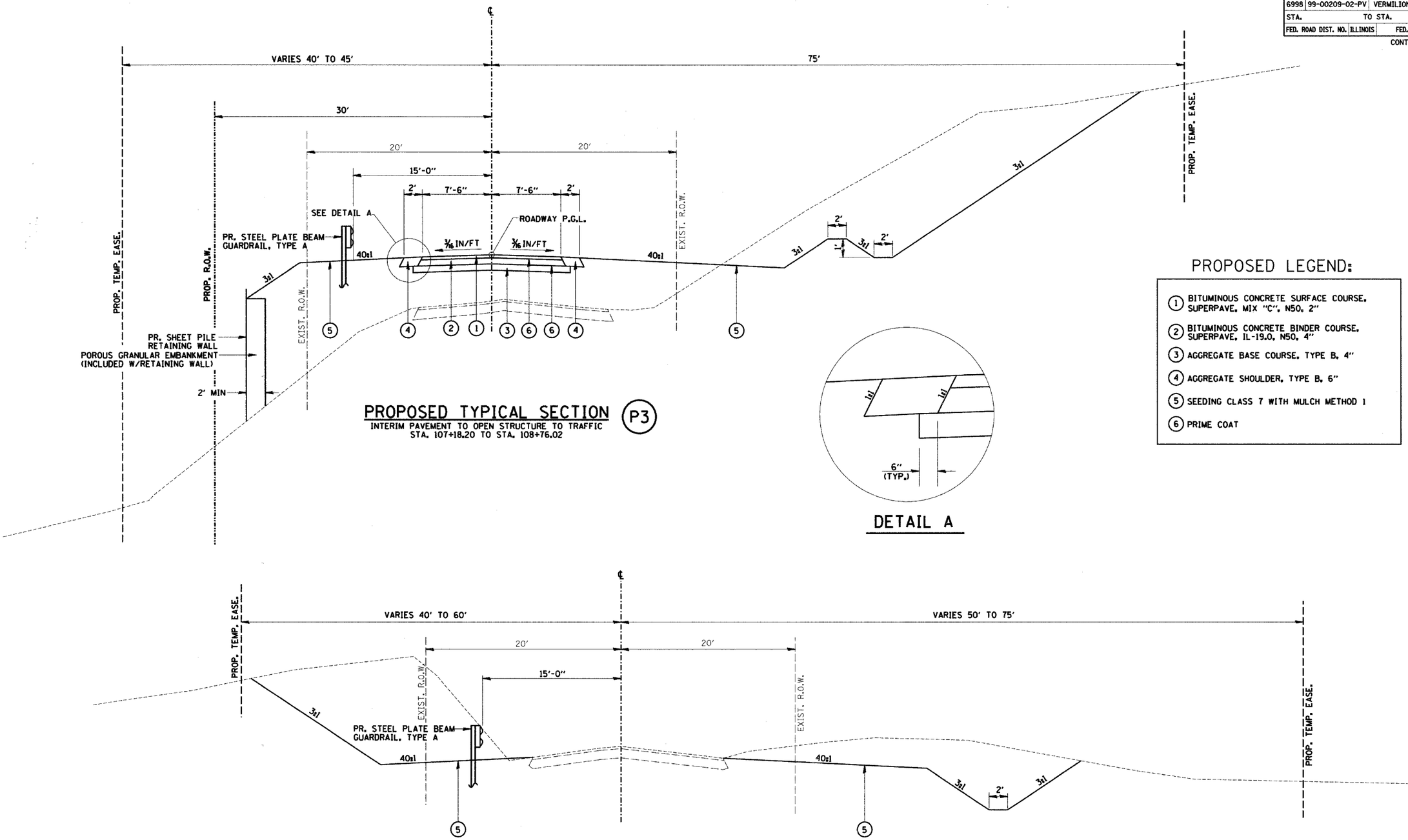
NOTE BOOK
NO.
CADD FILE NAME

BY	DATE



PROPOSED TYPICAL SECTION (P3)

INTERIM PAVEMENT TO OPEN STRUCTURE TO TRAFFIC
STA. 107+18.20 TO STA. 108+76.02

DETAIL A

PROPOSED LEGEND:

1. BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50, 2"
2. BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50, 4"
3. AGGREGATE BASE COURSE, TYPE B, 4"
4. AGGREGATE SHOULDER, TYPE B, 6"
5. SEEDING CLASS 7 WITH MULCH METHOD 1
6. PRIME COAT

PROPOSED TYPICAL SECTION (P4)

STA. 108+76.02 TO STA. 111+50 LT.
STA. 108+76.02 TO STA. 111+00 RT.

(P1) TO (P4) = LABELS FOR PLANS SHEET TO REFERENCE EXISTING TYPICALS

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS
WINTER AVENUE RECONSTRUCTION
PROPOSED TYPICAL SECTIONS
P3-P4
WINTER AVENUE

SCALE: NTS DATE: 12/30/05
DRAWN BY: SRS CHECKED BY: MBF

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	5
STA. N/A	TO STA. N/A			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

PLAN
NOTE BOOK
NO.
ADDITIONS
ALIGNMENT CHECKED
PLOT SCALE VERIFIED
CADD FILE NAME
DELETED
ADDITIONS
BY
DATE

List of Standards

No.	Description
000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
420401-05	BRIDGE APPROACH PAVEMENT
515001-02	NAME PLATE FOR BRIDGES
542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
606001-02	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-05	STEEL PLATE BEAM GUARDRAIL
630301-03	SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS
631031-05	TRAFFIC BARRIER TERMINAL, TYPE 6
635001	DELINEATORS
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DEVICES
702001-05	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
BLR17-3	TRAFFIC CONTROL DEVICES - DAY LABOR CONSTRUCTION
BLR21-6	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR22-4	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

Project Specific General Notes

1. COMPLETE IMPROVEMENTS TO WINTER AVENUE WILL BE CONSTRUCTED IN MULTIPLE CONTRACTS. THIS CONTRACT CONSTRUCTS THE STONEY CREEK BRIDGE PORTION OF THE OVERALL IMPROVEMENT.
2. ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
3. NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.
4. TREES NOT MARKED FOR REMOVAL SHALL BE CONSIDERED AS DESIGNATED TO BE SAVED AND PROTECTED UNDER THE PROVISIONS OF ARTICLE 201.05 OF THE STANDARD SPECIFICATIONS.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITY FACILITIES. HE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR THEIR MARKING OF THE EXACT LOCATION
6. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
7. UTILITY ADJUSTMENTS SHALL BE MADE BY THE UTILITY COMPANIES, EXCEPT FOR THOSE, WHICH HAVE BEEN NOTED AS PAY ITEMS.
8. MAILBOXES SHALL REMAIN IN SERVICE AT ALL TIMES AND SHALL BE RELOCATED AS NECESSARY DURING CONSTRUCTION. FINAL LOCATION OF MAILBOX SHALL BE DETERMINED BY THE ENGINEER BUT SHOULD BE AS NEAR AS PRACTICAL TO ITS ORIGINAL LOCATION AND PLACED BEHIND THE PROPOSED CURB OR PCC DRIVEWAY PAVT.
9. THE CONTRACTOR SHALL DEVELOP A PLAN TO ACCOMPLISH THIS WORK AND MINIMIZE DISRUPTION OF ACCESS. THIS PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
10. WHERE ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
11. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.
12. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS SHOWN ON THE TITLE SHEET.
13. IT IS THE CONTRACTORS RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE PROJECT.
14. THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION.
15. UNLESS INDICATED ON THE PLANS ALL MANHOLES SHALL BE FURNISHED WITH ECCENTRIC CONES, OR FLAT SLAB TOPS HAVING ECCENTRIC OPENINGS. MANHOLE LIDS THAT FALL IN THE DRIVING LANE SHALL BE ALIGNED SUCH THAT THE OFFSET SHOWN IN THE PLAN IS TO THE CENTER OF THE STRUCTURE AND THE CENTER OF THE LID.
16. REMOVAL OF AGGREGATE DRIVEWAY MATERIAL AS SHOWN IN THE PLANS IS INCLUDED IN THE COST OF EARTH EXCAVATION.
17. ALL SAW CUTS ARE INCLUDED IN THE COST OF THE FOLLOWING PAY ITEMS: PAVEMENT REMOVAL.
18. ALL ELEVATIONS REFER TO NATIONAL GEODETIC VERTICAL DATUM OF 1929.
19. THE PAINT PAVEMENT MARKING - LINE 4" HAS BEEN DIVIDED AS FOLLOWS:

1284.0	WHITE LINES
298.0	YELLOW LINES
1582.0	TOTAL

20. SEEDING, CLASS 7 AND MULCH, METHOD 1 IS INCLUDED IN THIS CONTRACT TO SEED DISTURBED AREAS UNTIL LATER CONTRACTS CAN COMPLETE THE EARTHWORK AND PERMANENTLY SEED THE AREAS.
22. THE EXTENT OF THE CONSTRUCTION ACTIVITIES WITHIN THE CSX RAILROAD ROW SHALL BE LIMITED TO THE ITEMS AS SHOWN ON THE PLANS. NO EQUIPMENT STORAGE SHALL BE ALLOWED WITHIN THE LIMITS OF THE CSX RAILROAD ROW.
23. F.A.U. 6998 (WINTER AVENUE) SHALL NOT BE REOPENED TO TRAFFIC UNTIL THE CITY OF DANVILLE HAS COMPLETED THE INTERIM TRAFFIC CONTROL ITEMS AS SHOWN IN THE PROPOSED INTERIM TRAFFIC CONTROL PLAN / STRIPING SHEETS.

Commitments

NONE

INTERIM PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC: YEAR 2008
PV = 4512 SU = 240 MU = 48
ROAD/STREET CLASSIFICATION: CLASS II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 94.0 S = 5.0 M = 1.0
TRAFFIC FACTOR: TF = 0.037 D_T = 2.46 (REQUIRED)
D_T = 2.56 (PROVIDED)
SURFACE AND TOP BINDER = PG 64-22
BOTTOM BINDER = PG 64-22
SUBGRADE SUPPORT RATING:
IBR = 3
PAVEMENT STRUCTURE MATERIALS:
BITUMINOUS SURFACE COURSE; a_1 = 0.40
BITUMINOUS BINDER COURSE; a_2 = 0.33
AGGREGATE BASE COURSE; a_3 = 0.11

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS
WINTER AVENUE RECONSTRUCTION

LIST OF STANDARDS, GENERAL NOTES & COMMITMENTS

SCALE: NTS DATE: 12/30/05
DRAWN BY: MBF CHECKED BY: SMK

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	6
STA. N/A	TO STA. N/A			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

PLAN
NOTE BOOK
NO.
SURVEYED
DRAWN
ALIGMENT CHECKED
PLANS PREPARED
CADD FILE NAME
BY
DATE

District 5
General Notes

G. N. -100
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G. N. -107.12
THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE LOCAL RAILROAD CONTACT IS:

Mr. Gale Free
Roadmaster
CSX Transportation
564 CSX Lane
Danville, IL 61834
217-442-0126

SPECIAL ATTENTION IS CALLED TO ARTICLE 107.12 REGARDING RAILROAD FLAGGERS. THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE RAILROAD FLAGGER CONTACT IS:

David Clifford
CSX Transportation
1700 West 167th Street
Calumet City, IL 60409
708-832-2170

G. N. -107.31
UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/ OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED. J.U.L.I.E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800)892-0123.

G. N. -201
TREES THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ANY TREE DUE TO ITS LOCATION AND DEEMED SUITABLE FOR SAVING BY THE ENGINEER SHALL BE PROTECTED DURING CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS.

G. N. -202
GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE AS DIRECTED BY THE ENGINEER.

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G. N. -281
THE RIPRAP GRADATION SHALL BE IN ACCORDANCE WITH THE GRADATION SPECIFIED IN THE PLANS OR, WITH APPROVAL OF THE ENGINEER, A RIPRAP GRADATION MEETING A D50 GREATER THAN OR EQUAL TO 0.5' FOR A-3 & B-3, AND 0.8' FOR A-4 & B-4. D50 IS DEFINED AS THE MEAN ROCK SIZE AS DESCRIBED IN THE FHWA HYDRAULIC ENGINEERING CIRCULARS (HEC 11, HEC 14 AND HEC 15).

IF GRAVEL IS USED FOR THE BEDDING MATERIAL UNDER RIPRAP, THE GRAVEL SHALL BE CRUSHED AS ALLOWED UNDER ARTICLE 1005.01.

G. N. -406D
ALL LEVELING BINDER OR BINDER SHALL BE GIVEN A FOG COAT OF PRIME BEFORE THE SURFACE COURSE IS PLACED WHEN DIRECTED BY THE ENGINEER.

THE FOG COAT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER GALLON FOR BITUMINOUS MATERIAL (PRIME COAT) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G. N. -406H
MIXTURE REQUIREMENTS
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION	WINTER AVENUE	WINTER AVENUE
MIXTURE USE	2" SURFACE	4" BINDER
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	15%	25%
DESIGN AIR VOIDS	4.0% @ N_{des} = 50	4.0% @ N_{des} = 50
MIX COMP (GRADATION)	IL-9.5	IL-19.0
FRICTION AGGREGATE	MIX C	N.A.

G. N. -542
BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.

G. N. -542.07
AT LOCATIONS WHERE END SECTIONS ARE SPECIFIED, CAST-IN-PLACE CONCRETE HEADWALLS WILL NOT BE ALLOWED.

G. N. -542B (SPL)
ALL THE ENTRANCE CULVERTS LENGTHS SHOWN IN THE PLANS WERE CALCULATED WITH THE ASSUMPTION THAT CONCRETE PIPES AND CONCRETE END SECTIONS WOULD BE USED.

G. N. -631
IF THE CONTRACTOR ELECTS TO USE THE ALTERNATE MOUNTING METHOD OF THRU DRILLING THE MOUNTING HOLES FOR THE TRAFFIC BARRIER TERMINALS, TYPE 6, THE HOLES SHALL BE DRILLED USING A CORE DRILL. A HAMMER DRILL WILL NOT BE ALLOWED.

G. N. -1004.01
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

G. N. -1004.03
REVISE ARTICLE 1004.03 (c) NOTE 5/ OF THE STANDARD SPECIFICATIONS TO READ:

'5/ GRADATION CA-16 SHALL BE USED IN LIEU OF CA-13 WHEN THE SURFACE COURSE IS LESS THAN 1 3/4 INCHES IN THICKNESS. CA-13 OR CA-16 MAY BE USED WHEN THE SURFACE COURSE IS 1 3/4 INCHES OR MORE IN THICKNESS.'

G. N. -Z0038 (SPL)
AN ALUMINUM TABLET OF THE TYPE SHOWN ON STANDARD 667101 SHALL BE PLACED ON THE PROPOSED STRUCTURE AS DIRECTED BY THE ENGINEER. THE BENCH MARK ELEVATION WILL BE ESTABLISHED AND MARKED BY THE DEPARTMENT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR PERMANENT BENCH MARKS, TYPE I.

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS
WINTER AVENUE RECONSTRUCTION

LIST OF STANDARDS, GENERAL NOTES & COMMITMENTS

SCALE: NTS DATE: 12/30/05
DRAWN BY: MBF CHECKED BY: SMK

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	MINOR ARTERIAL ROADWAY 80% FEDERAL 0% STATE 20% CITY 1000-2A	BRIDGE S.N. 092-6033 80% FEDERAL 0% STATE 20% CITY X081-2A
20100500	TREE REMOVAL, ACRES	ACRES	0.25	0.25	
20200100	EARTH EXCAVATION	CU YD	1980	1980	
20300100	CHANNEL EXCAVATION	CU YD	1148		1148
20400800	FURNISHED EXCAVATION	CU YD	485	485	
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	333		333
25000350	SEEDING, CLASS 7	ACRE	1.00	1.00	
25100105	MULCH, METHOD 1	ACRE	0.75	0.75	
25100630	EROSION CONTROL BLANKET	SQ YD	238	238	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	89	89	
28000300	TEMPORARY DITCH CHECKS	EACH	23	23	
28000400	PERIMETER EROSION BARRIER	FOOT	1084	1084	
28000500	INLET AND PIPE PROTECTION	EACH	1	1	
28100107	STONE RIPRAP, CLASS A4	SQ YD	716		716
28200200	FILTER FABRIC	SQ YD	836	120	716
28300100	FIBER MAT	SQ YD	183	183	
28300400	AGGREGATE DITCH	TON	72	72	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	97	97	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	24	24	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	286	286	
42001300	PROTECTIVE COAT	SQ YD	214	214	
42001400	BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ YD	209	209	
44000100	PAVEMENT REMOVAL	SQ YD	822	822	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	31	31	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50105220	PIPE CULVERT REMOVAL	FOOT	53	53	
50200100	STRUCTURE EXCAVATION	CU YD	403.0		403.0
50300225	CONCRETE STRUCTURES	CU YD	56.4	3.3	53.1
50300255	CONCRETE SUPERSTRUCTURE	CU YD	279.9		279.9
50300260	BRIDGE DECK GROOVING	SQ YD	333		333
50300300	PROTECTIVE COAT	SQ YD	667	25	642
50400745	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE BULB T-BEAMS 72"	FOOT	632.0		632.0
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	4670		4670
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	49290	300	48990
51201100	FURNISHING METAL PILE SHELLS 14"	FOOT	1060		1060
51202600	DRIVING AND FILLING SHELLS	FOOT	1060		1060
51203200	TEST PILE METAL SHELLS	EACH	2		2
51500100	NAME PLATES	EACH	1		1
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2	
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	54	54	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	136		136
60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	202		202
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1	
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	2	2	
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	300	300	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1	
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	1	1	
63200310	GUARDRAIL REMOVAL	FOOT	233	233	
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	0.5	0.5
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	334	334	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1582	1582	
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	25	25	
78200405	GUARDRAIL MARKERS	EACH	5	5	
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1	
X0323830	DRAINAGE SCUPPERS, DS-11	EACH	2		2
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	1	1	

* SPECIALTY ITEMS

PLAN
NOTE BOOK NO.
PLOTTED
ALIGNMENT CHECKED
ALIGNMENT REVISED
CADD FILE NAME
BY
DATE

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS
WINTER AVENUE RECONSTRUCTION

SUMMARY OF QUANTITIES

SCALE:
DATE: 12/30/05
DRAWN BY: MBF
CHECKED BY: ___

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	8
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	MINOR ARTERIAL ROADWAY 80% FEDERAL 0% STATE 20% CITY 1000-2A	BRIDGE S.N. 092-6033 80% FEDERAL 0% STATE 20% CITY X081-2A
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	48	48	
X4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50	TON	100	100	
X5121800	PERMANENT STEEL SHEET PILING	SQ FT	5763		5763
Z0002600	BAR SPLICERS	EACH	94		94
Z0003900	BICYCLE RAILING	FOOT	146	39	107
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5	0.5
Z0038800	PERMANENT BENCH MARKS, TYPE I	EACH	1		1
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
XX006462	PORTLAND CEMENT CONCRETE SIDEWALK 9 INCH, SPECIAL	SQ FT	609	609	

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	MINOR ARTERIAL ROADWAY 80% FEDERAL 0% STATE 20% CITY 1000-2A	BRIDGE S.N. 092-6033 80% FEDERAL 0% STATE 20% CITY X081-2A

PLAN
SURVEYED
ADDED
ALIGNMENT CHECKED
PLAN TRACKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION

SUMMARY OF QUANTITIES

SCALE:
DRAWN BY: MBF
DATE: 12/30/05
CHECKED BY: ___

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	9
STA. N/A	TO STA. N/A			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

PLAN
NOTE BOOK
NO.
SURVEYED
DRAWN
ALIGNMENT CHECKED
PLANS PREPARED
CADD FILE NAME
BY
DATE

SCHEDULE OF QUANTITIES

SEEDING SCHEDULE

FROM STATION	TO STATION	LT/RT	FINAL SEEDING: SEEDING CL 7 ACRE 25000350	FINAL SEEDING: MULCH METHOD 1 ACRE 25100105	FINAL SEEDING: EROSION CONTR BLANKET SQ YD 25100630
WINTER AVENUE					
104+64	106+38	LT	0.082	0.060	108.4
104+68	106+12	RT	0.063	0.054	45.5
106+88	109+00	LT	0.129	0.129	-
106+39	109+00	RT	0.285	0.253	83.6
109+00	111+50	LT	0.147	0.147	-
109+00	110+98	RT	0.186	0.163	-
		TOTALS	0.892	0.806	237.5
		USE	1.00	0.75	238

PAVEMENT SCHEDULE

FROM STATION	TO STATION	AGG BASE CSE B TON 35101400	BIT MATLS PR CT GALLON 40600100	AGGREGATE SHLDS B TON 48101200	BC SC SUPER "C" N50 TON X4066414	BCBC SUP IL-19.0 N50 TON X4066614
WINTER AVENUE						
104+52.66	105+51.20	37.0	109.7	10.3	18.5	38.2
107+18.20	108+76.02	59.6	176.6	21.0	29.8	61.5
	TOTALS	96.6	286.3	31.3	48.3	99.7
	USE	97	286	31	48	100

• BITUMINOUS MATERIALS PRIME COAT QUANTITIES ARE BASED ON ONE APPLICATION OVER THE AGGREGATE BASE COURSE (0.50 GAL./SQ.YD.) AND ONE APPLICATION OVER THE BINDER COURSE (0.10 GAL./SQ.YD.).
•• AGGREGATE CONVERSION RATE = 1.80 TONS/CU YD

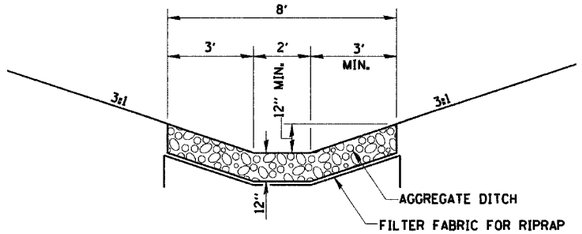
QUANTITIES NOT OTHERWISE SCHEDULED

LOCATION	MOBILIZATION L SUM 67100100	TRAF CONT & PROT L SUM 70101700	CONSTRUCTION LAYOUT L SUM Z0013798	RR PROT LIABILITY INS L SUM Z0048665
PROJECT LIMITS TOTALS	1	1	1	1

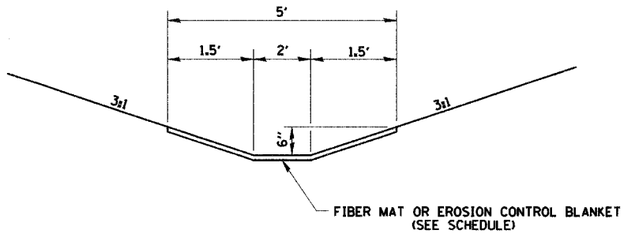
EARTHWORK SCHEDULE

LOCATION	EXCAVATION (CUT) (CU YD)	EXCAVATION (CUT) (ADJUSTED FOR SHRINKAGE) (CU YD)	EMBANKMENT (FILL) (CU YD)	EARTHWORK BALANCE WASTE (+) OR FURNISHED EXCAVATION (-) (CU YD)
SEGMENT 1 - STA. 104+52.66 TO STA. 105+81.20	5.6	4.2	539.3	-535.1
SEGMENT 2 - STA. 106+56.03 TO STA. 108+76.02	758.5	568.9	1,433.9	-865.0
SEGMENT 3 - STA. 108+76.02 TO STA. 111+50.00	1,216.9	912.7	0.0	912.7
TOTAL	1,981.0	1,485.8	1,973.2	-487.4
USE	1,980			485

(NOTE: PER BDE PROCEDURE MEMO NO. 24-02, USE SHRINKAGE FACTOR = 25%)
(NOTE: EMBANKMENT IS FOR INFORMATION ONLY & NOT A PAY ITEM)



AGGREGATE DITCH DETAIL



DITCH LINING DETAIL

DITCH LINING SCHEDULE

FROM STATION	TO STATION	LT/RT	FIBER MAT SQ YD 28300100	AGGREGATE DITCH TON 28300400	FILTER FAB FOR RIPRAP SQ YD 28200100
WINTER AVENUE					
106+56.03	107+75.00	RT		71.8	119.7
107+75.00	109+00.00	RT	72.9		
109+00.00	110+89.22	RT	110.4		
		TOTALS	183.3	71.8	119.7 •
		USE	183	72	

• - NOT A TOTAL QUANTITY

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS
WINTER AVENUE RECONSTRUCTION
SCHEDULE OF QUANTITIES

SCALE: NTS
DRAWN BY: MBF
DATE: 12/30/05
CHECKED BY:

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	10
STA. 95+00	TO STA. 116+50			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

PLAN
SURVEYED
DRAWN
ALIGNMENT CHECKED
PLOT OF MP'S CHECKED
PLAN FILE NAME
NOTE BOOK
NO.
DATE
BY

LEGEND

BB-1 - BB-4 = BRIDGE SOIL BORINGS
SP-1 = SPECIAL BORINGS
PDB-1 - PDB-4 = PAVEMENT DESIGN BORINGS
TSB-1 - TSB-4 = TRAFFIC SIGNAL SOIL BORINGS
DCB-1 = DEEP CUT BORINGS

PARCEL 23
CITY OF DANVILLE
AN ILLINOIS MUNICIPAL CORPORATION

PARCEL 22
PENNSYLVANIA
LINES LLC

CSX TRANSPORTATION INC.

PARCEL 26
LANCE A. DILLON AND
TERRA L. DILLON

BEGIN IMPROVEMENT
STA. 102+36.00

STA. 104+48.53 WINTER AVE. =
STA. 27+62.68 EAST TRACK

PROP. CSX STRUCT.
STA. 104+40.79

STA. 104+32.98 WINTER AVE. =
STA. 5527+59.81 WEST TRACK

STA. 103+46.80
120' LT.

STA. 103+52.30
95' LT.

STA. 103+05.71
50' LT.

STA. 101+78.17
25' & 50' LT.

STA. 105+05.48
120' LT.

STA. 105+15
75' LT.

STA. 105+24.14
30' LT.

STA. 105+65
45' & 75' LT.

STA. 99+51.76 WINTER AVE. =
STA. 16+00.00 MONTEREY ST.

PROP. FUTURE ℄ WINTER AVE.

CONTROL PT. NO. 8
(BM-2)

6 P.I. KINK STA. 201+74.13

STA. 100+10
20' & 25' LT.

PROP. T.E.

EXIST. R.O.W.

℄ PR. INTERIM PAVEMENT

PROP. R.O.W.

BB-2

BB-3

CURVE NO. TR02

CONTROL PT. NO. 7

PDB-1

BB-1

PK NAIL

I PIN

95+00

100+00

105+00

200+00

205+00

EXIST. R.O.W.

TR01 P.O.T. STA. 104+11.39

CURVE NO. 4

CURVE NO. 3

PROP. STONEY CREEK STRUCT.
STA. 106+34.70 (WINTER AVE.)

MATCHLINE 106+50
(WINTER AVE)

MATCHLINE 206+50
(BICYCLE PATH)

1 P.O.T. STA. 94+96.37

5 P.O.T. STA. 198+99.22

PROP. ℄ SIDEWALK

STA. 199+49.76 SIDEWALK =
STA. 15+77.39 MONTEREY ST.

EXIST ℄ MONTEREY ST.

15+00

A STA. 100+57.25, 25' RT.
B STA. 100+56.26, 45' RT.
C STA. 100+80, 30' & 45' RT.
D STA. 101+20, 30' & 45' RT.
E STA. 101+50, 30' & 45' RT.
F STA. 101+70.14, 30' RT.
G STA. 101+71.85, 25' RT.

PROP. T.E.

PROP.

STA. 101+63.35
50' RT.

STA. 103+10
50' RT.

STA. 103+76.67
50' RT.

STA. 103+70
110' RT.

STA. 204+53.97 BICYCLE PATH =
STA. 27+93.23 EAST TRACK

STA. 105+30.70
85' RT.

STA. 105+35.47
110' RT.

PROP. T.E.

℄ STONEY CREEK

STA. 105+75
85' & 110' RT.

STA. 204+38.81 BICYCLE PATH =
STA. 5527+90.44 WEST TRACK

7 P.I. KINK STA. 202+24.67

PROP. ℄ BICYCLE PATH

℄ EXISTING WEST TRACK

℄ EXISTING EAST TRACK

RR

PARCEL 21
JACK O. CRAWLEY AND
JOYCE E. CRAWLEY

PARCEL 22
PENNSYLVANIA
LINES LLC

PARCEL 24
CITY OF DANVILLE

CSX TRANSPORTATION INC.

PARCEL 16
CITY OF DANVILLE

N

0 50 100
1" = 50'

PARCEL 26
LANCE A. DILLON AND
TERRA L. DILLON

PARCEL 14B
STANLEY K. JEWELL

PARCEL 15
CATHERINE L. JEWELL

PARCEL 14A
STANLEY K. JEWELL

BEGIN OMISSION
STA. 114+50.00

℄ STONEY CREEK & ℄

CONTROL PT. NO. 6

STA. 111+35
40' & 60' LT.

STA. 112+00
30' & 60' LT.

STA. 115+65
20' & 35' LT.

STA. 115+60
30' & 40' LT.

STA. 107+60
40' & 45' LT.

STA. 108+50
30' & 20' LT.

DCB-1

PROP. ℄ WINTER AVE.

PROP. T.E.

PROP. R.O.W.

EXIST. R.O.W.

I PIN W/CAP

I PIN W/CAP

SP-1

110+00

115+00

BB-4

210+00

215+00

EXIST. R.O.W.

MATCHLINE 106+50
(WINTER AVE)

MATCHLINE 206+50
(BICYCLE PATH)

MATCHLINE 116+50
(WINTER AVE.)

MATCHLINE 216+50
(BICYCLE PATH)

END IMPROVEMENT
STA. 111+50.00

CURVE NO. 6

CURVE NO. 5

STA. 110+50
75' RT.

STA. 111+50
50' RT.

CONTROL PT. NO. 5

PROP. ℄ BICYCLE PATH

STA. 107+25
75' RT.

STA. 106+75
110' RT.

PARCEL 16
CITY OF DANVILLE

N

0 50 100
1" = 50'

NOTES:

SEE ATB SHEET 5 OF 6 FOR ALIGNMENT TIES, CONTROL POINTS & BENCHMARKS.

SEE ATB SHEET 6 OF 6 FOR CURVE DATA.

ATB SHEET 1 OF 6

REVISIONS	
NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION
ALIGNMENT, TIES, R.O.W., EASEMENTS, & BENCHMARKS
WINTER AVENUE/BICYCLE PATH
STA. 95+00 TO STA. 116+50

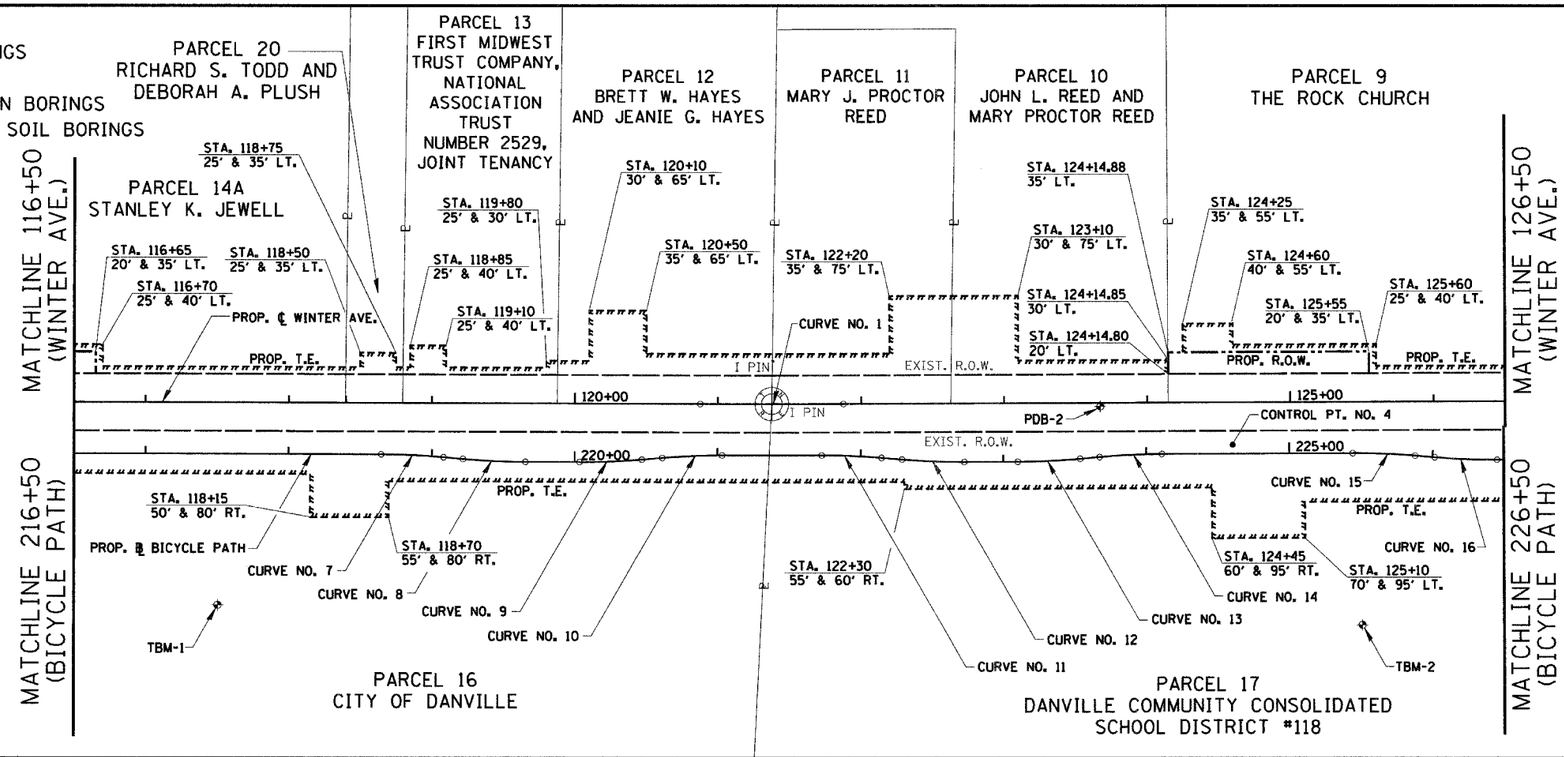
SCALE: 1" = 50' DATE: 12/30/05

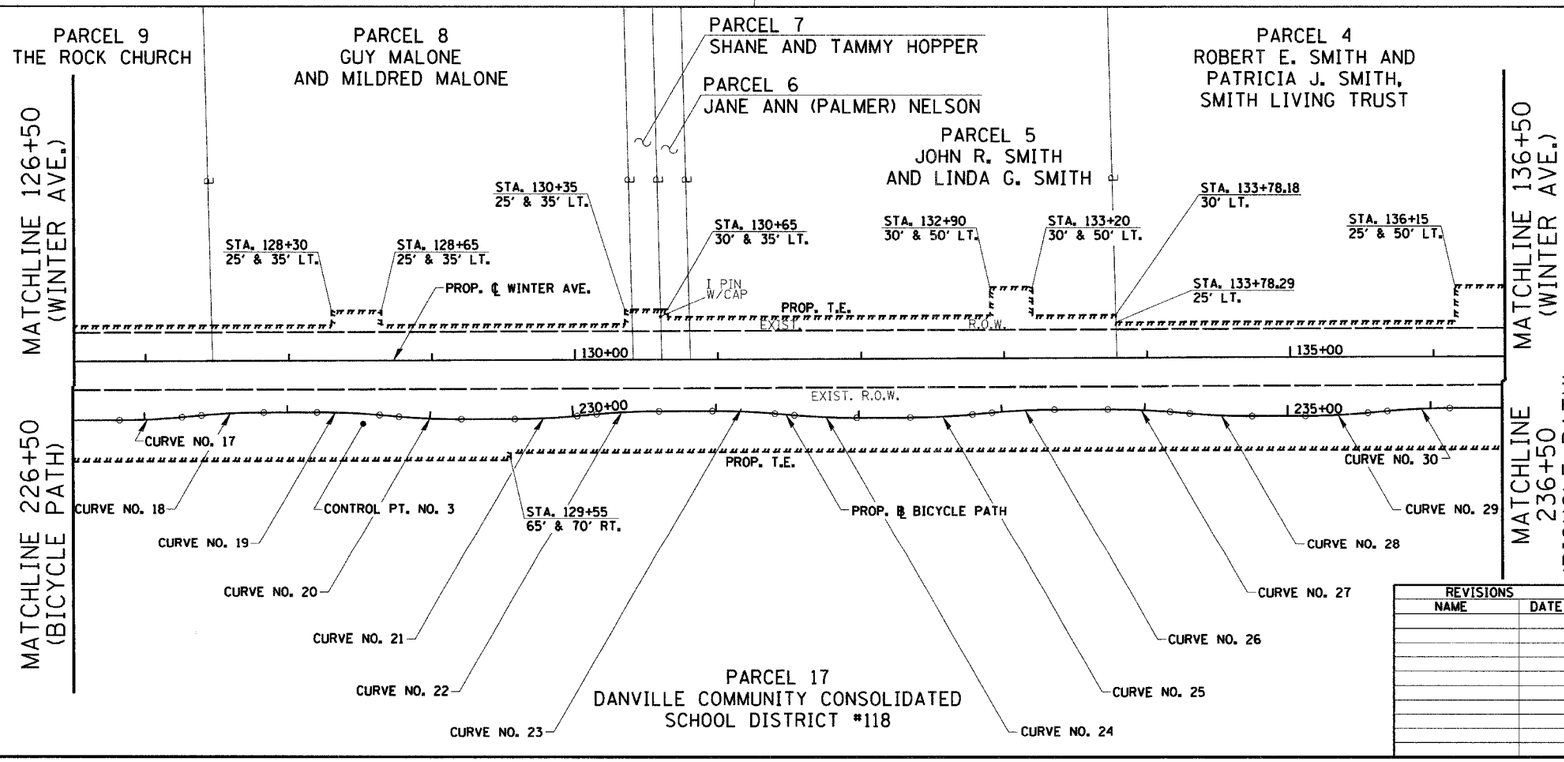
DRAWN BY: NIL CHECKED BY: SMK

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	11
STA. 116+50	TO STA. 136+50			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		
		CONTRACT NO.: 91356		

LEGEND

BB-1 - BB-4 = BRIDGE SOIL BORINGS
SP-1 = SPECIAL BORINGS
PDB-1 - PDB-4 = PAVEMENT DESIGN BORINGS
TSB-1 - TSB-4 = TRAFFIC SIGNAL SOIL BORINGS
DCB-1 = DEEP CUT BORINGS





NOTES:

SEE ATB SHEET 5 OF 6 FOR ALIGNMENT TIES, CONTROL POINTS & BENCHMARKS.

SEE ATB SHEET 6 OF 6 FOR CURVE DATA.

ATB SHEET 2 OF 6

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION
ALIGNMENT, TIES, R.O.W., EASEMENTS & BENCHMARKS
WINTER AVENUE/BICYCLE PATH
STA. 116+50 TO STA. 136+50

SCALE: 1" = 50' DATE: 12/30/05
DRAWN BY: NIL CHECKED BY: SMK

PLAN: SURVEYED / COMPUTED / ALIGNMENT CHECKED / PLAN CHECKED / NOTE BOOK / NO. / PLAN FILE NAME / BY / DATE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	12
STA. 136+50	TO STA. 157+93.36			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

PLAN | SURVEYED | DRAWN | ALIGNMENT CHECKED | PT. OF BEG. CHECKED | NOTE BOOK | NO. | DATE | BY

PARCEL 3
JAMES A. LAMAR
AND DEBBIE L. LAMAR

PARCEL 2
SARA E. BROWN

PARCEL 1
MICHAEL P. COZATT
AND SANDRA COZATT

PARCEL 27
BANK ILLINOIS, AS GUARDIAN
OF THE ESTATE OF JOHN W.
BROOKS, A DISABLED PERSON

PARCEL 28
MARGARET COZATT, AS
TRUSTEE OF THE MARGARET
COZATT SELF DECLARATION
OF TRUST DATED
FEBRUARY 8, 1995

PARCEL 30
MARGARET J. COZATT
AND VICKIE LYNN
COZATT MARTIN

MATCHLINE 136+50
(WINTER AVE.)

MATCHLINE 146+50
(WINTER AVE.)

MATCHLINE 236+50
(BICYCLE PATH)

MATCHLINE 246+50
(BICYCLE PATH)

STA. 138+10
25' & 45' LT.

STA. 137+70
25' & 45' LT.

P.O.T. STA. 137+19.84 WINTER AVE. =
P.O.T. STA. 24+00.00 PARK ENTRANCE (10)

STA. 142+14.10
25' LT.

STA. 142+46.00
26.12 & 38.00' LT.

STA. 143+40.00
29.40 & 40.00' LT.

STA. 146+50.00
35.00' LT.

STA. 138+58.60
50' LT.

STA. 140+35
25' & 45' LT.

STA. 143+65.00
30.28 & 40.00' LT.

STA. 136+55
25' & 50' LT.

STA. 138+59.16
25' LT.

STA. 138+95
25' & 50' LT.

STA. 140+70
25' & 45' LT.

STA. 142+67.42
26.86 & 38.00' LT.

STA. 145+00.00
35.00' LT.

CONTROL PT. NO. 9

I PIN W/CAP

PROP. ℄ WINTER AVE.

PROP. T.E.

EXIST. R.O.W.

PROP. R.O.W.

I PIN

PDB-3

140+00

145+00

CONTROL PT. NO. 2

240+00

245+00

STA. 139+03.98
31.93' & 55' RT.

STA. 140+19.12
34.11' & 50' RT.

STA. 141+26.51
50' RT.

PROP. PERM. EASE.

CURVE NO. 35

CURVE NO. 36

STA. 144+85.00
55.00' RT.

STA. 146+12.50
70.00' RT.

STA. 141+26.24
55' RT.

STATION EQUATION
STA 241+13.10 BK
STA 241+13.55 AH

STA. 237+22.05 BIKE PATH
STA. 23+64.00 PARK ENTRANCE

PROP. ℄ PARK ENTRANCE

PROP. ℄ BICYCLE PATH

PARCEL 17
DANVILLE COMMUNITY
CONSOLIDATED SCHOOL
DISTRICT #118

PARCEL 18
ILLINOIS POWER
COMPANY

PARCEL 19
DAVID N. PRICE

PARCEL 29
CONSECO FINANCE
SERVICING CORP.

N

0 50 100
1" = 50'

LEGEND

BB-1 - BB-4 = BRIDGE SOIL BORINGS
SP-1 = SPECIAL BORINGS
PDB-1 - PDB-4 = PAVEMENT DESIGN BORINGS
TSB-1 - TSB-4 = TRAFFIC SIGNAL SOIL BORINGS
DCB-1 = DEEP CUT BORINGS

N

0 50 100
1" = 50'

MATCHLINE 64+00 (BOWMAN AVE.)

P.I. KINK STA. 147+93.37 WINTER AVE. (2)
= P.O.T. STA. 61+87.86 BOWMAN AVE.

PARCEL 28
(SEE ABOVE)

PARCEL 33
KENNETH R. PASCO AND
JANICE K. PASCO IN
JOINT TENANCY

PARCEL 34
CAROL MOORE

PARCEL 32B
NEW LIFE CHRISTIAN CENTER
OF DANVILLE, INC.

PARCEL 36
KINNEY ET AL

MATCHLINE 146+50
(WINTER AVE.)

MATCHLINE 246+50
(BICYCLE PATH)

STA. 152+05.00
35.00' & 40.00' LT.

STA. 156+35.00
35.00' & 40.00' LT.

STA. 151+00.00
40.00' LT.

STA. 152+60.00
35.00' & 50.00' LT.

STA. 156+35.00
23.55' & 35.00' LT.

STA. 151+00.00
35.00' LT.

STA. 153+00.00
40.00' & 50.00' LT.

CONTROL PT. NO. 13

STA. 62+49.59
45.00' LT.

STA. 62+45.33
50.00' LT.

STA. 62+39.19
57.21' LT.

PROP. R.O.W.

I PIN W/CAP

88°41'04"

91°44'25"

TSB-2

TSB-3

PROP. ℄ WINTER AVE.

PROP. T.E.

EXIST. R.O.W.

I PIN

150+00

155+00

RR SPIKE

P.O.T. STA. 157+93.36 (3)

TSB-1

TSB-4

PROP. ℄ BICYCLE PATH

CONTROL PT. NO. 10

PDB-4

STA. 149+00.00
35.00' RT.

STA. 150+55.00
35.00' & 45.00' RT.

STA. 151+05.51
35.00' RT.

STA. 148+55.00
40.00' RT.

P.O.T. STA. 248+55.02 (8)

STA. 61+25.00
40.00' RT.

STA. 151+05.82
45.00' RT.

SECTION LINE

TBM-3

STA. 60+60.00
40.00' & 50.00' RT.

P.O.T. STA. 247+97.59 BIKE PATH =
P.O.T. STA. 61+39.85 BOWMAN AVE.

STA. 60+20.00
40.00' & 50.00' RT.

STA. 147+45.00
70.00' RT.

STA. 60+90.00
40.00' LT.

STA. 60+55.00
40.00' & 45.00' LT.

STA. 136+95
65' & 325' RT.

STA. 137+60
55' & 325' RT.

20+00

9 P.O.T. STA. 20+00.00

CONTROL PT. NO. 1
(BM-1)

PARCEL 17
DANVILLE COMMUNITY
SCHOOL DISTRICT #118

PARCEL 29
CONSECO FINANCE
SERVICING CORP.

60+00

PARCEL 35
CORPORATION OF THE PRESIDING BISHOP OF THE
CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS,
A UTAH CORPORATION SOLE, AND UNKNOWN OWNERS

PARCEL 36
KINNEY ET AL

MATCHLINE 59+50
(BOWMAN AVE.)

POINT	STATION	OFFSET
A	62+80.00	45.00' RT
B	62+50.00	55.00' RT
C	148+80.00	45.00' LT
D	149+75.00	45.00' LT
E	63+10.00	45.00' RT
F	148+50.00	120.00' LT
G	148+95.00	120.00' LT
H	148+95.00	100.00' LT
I	149+15.00	100.00' LT
J	149+15.00	50.00' LT
K	149+75.00	50.00' LT

NOTES:

SEE ATB SHEET 5 OF 6 FOR ALIGNMENT TIES, CONTROL POINTS & BENCHMARKS.

SEE ATB SHEET 6 OF 6 FOR CURVE DATA.

ATB SHEET 3 OF 6

REVISIONS	
NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION ALIGNMENT, TIES, R.O.W., EASEMENTS & BENCHMARKS WINTER AVENUE/BICYCLE PATH STA. 136+50 TO STA. 157+93.36

SCALE: 1" = 50' DATE: 12/30/05

DRAWN BY: NIL CHECKED BY: SMK

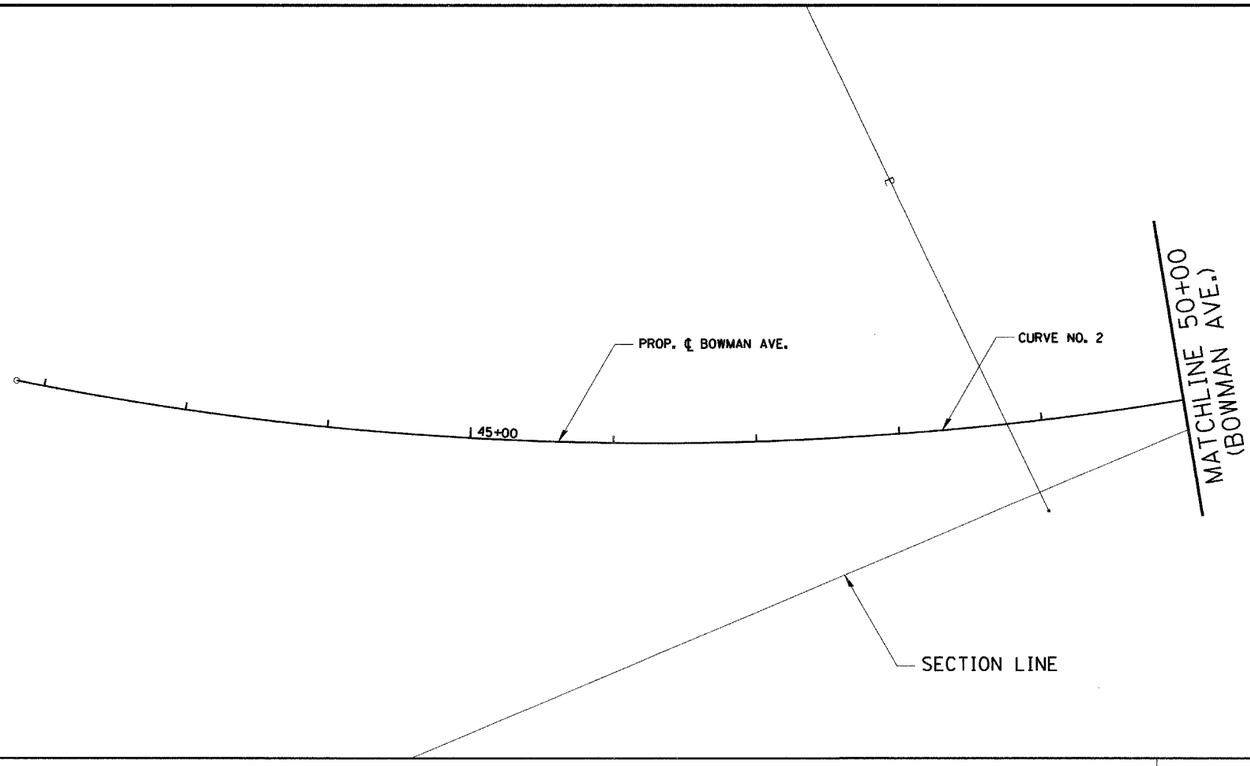
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	13
STA. 41+80.18	TO STA. 59+50			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

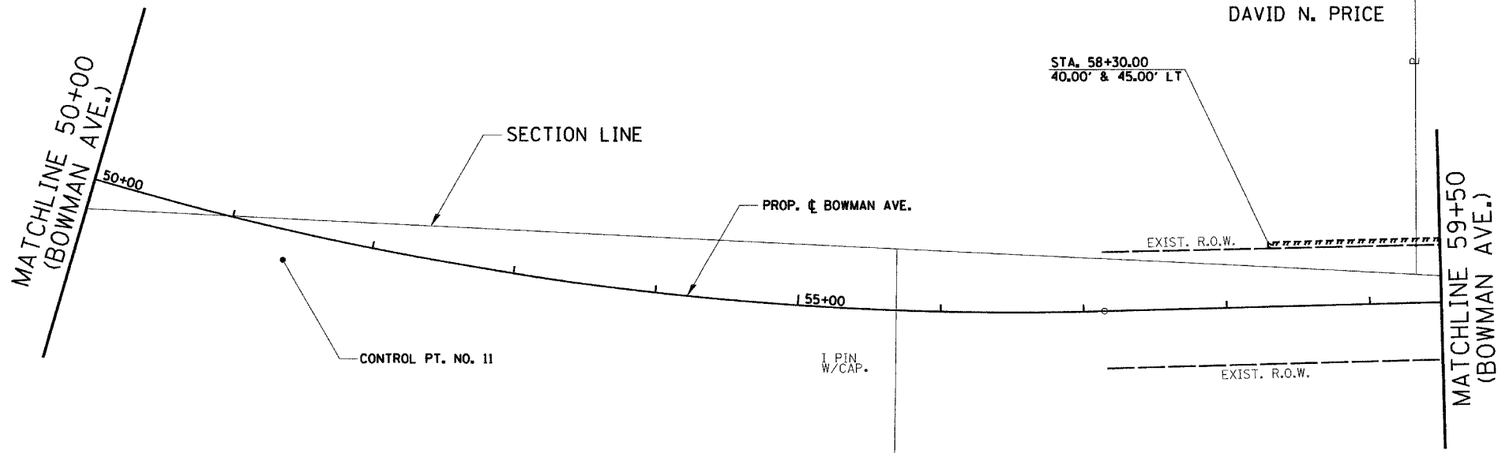
CONTRACT NO.: 91356

PLAN
SURVEYED
ADDED
ALIGNMENT CHECKED
PLT. OF R/W CHECKED
NOTE BOOK
NO.
ROAD FILE NAME
BY
DATE

LEGEND

BB-1 - BB-4 = BRIDGE SOIL BORINGS
SP-1 = SPECIAL BORINGS
PDB-1 - PDB-4 = PAVEMENT DESIGN BORINGS
TSB-1 - TSB-4 = TRAFFIC SIGNAL SOIL BORINGS
DCB-1 = DEEP CUT BORINGS





NOTES:

SEE ATB SHEET 5 OF 6 FOR ALIGNMENT TIES, CONTROL POINTS & BENCHMARKS.

SEE ATB SHEET 6 OF 6 FOR CURVE DATA.

ATB SHEET 4 OF 6

REVISIONS	
NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION
ALIGNMENT, TIES, R.O.W., EASEMENTS & BENCHMARKS
BOWMAN AVENUE
STA. 41+80.18 TO STA. 59+50

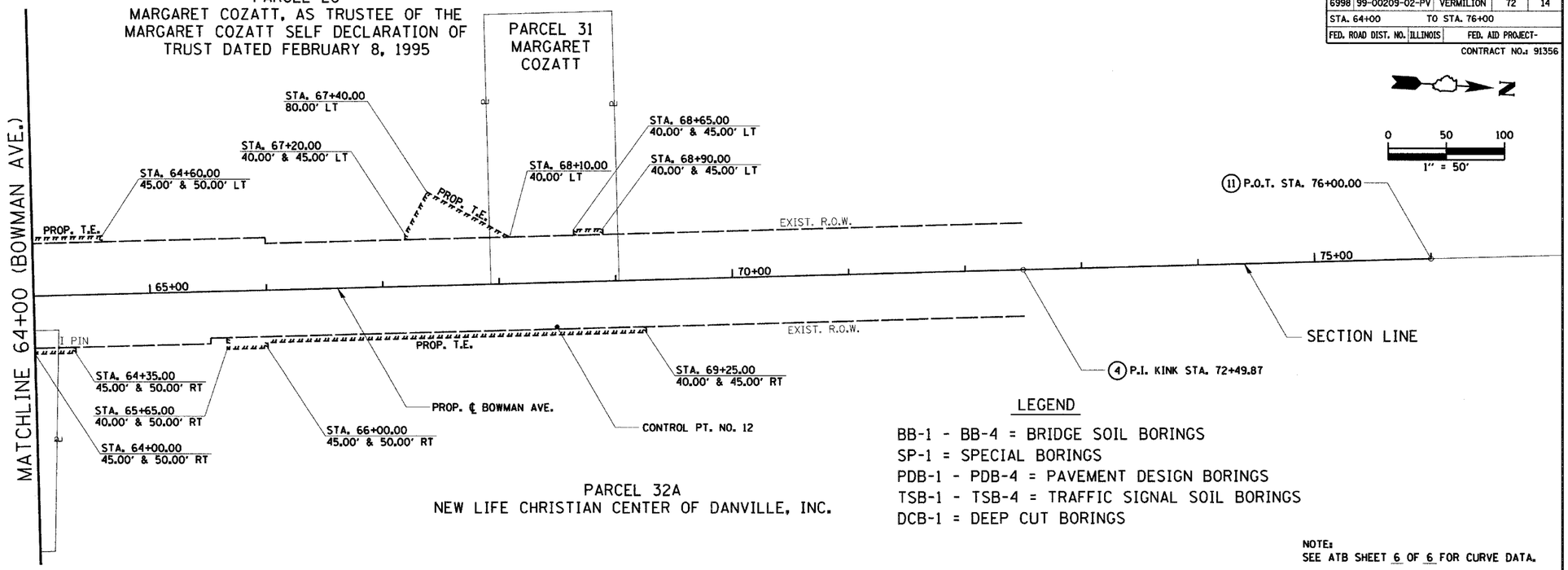
SCALE: 1" = 50' DATE: 12/30/05

DRAWN BY: NIL CHECKED BY: SMK

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	14
STA. 64+00	TO STA. 76+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

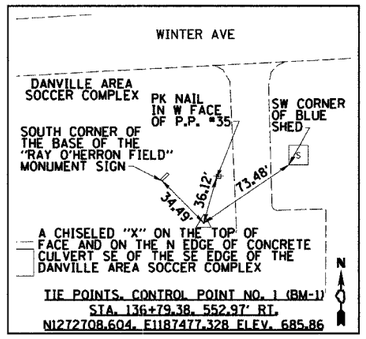
PLAN SURVEYED ____ DATE
DRAWN ____ BY
ALIGNMENT CHECKED
PLAT OF MAP CHECKED
NOTE BOOK ____
NO. ____



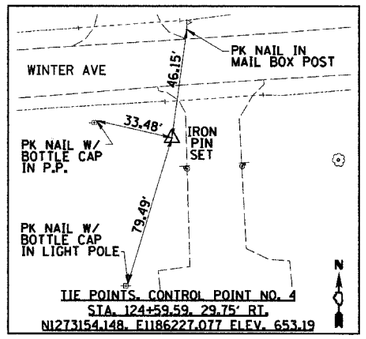
LEGEND

BB-1 - BB-4 = BRIDGE SOIL BORINGS
SP-1 = SPECIAL BORINGS
PDB-1 - PDB-4 = PAVEMENT DESIGN BORINGS
TSB-1 - TSB-4 = TRAFFIC SIGNAL SOIL BORINGS
DCB-1 = DEEP CUT BORINGS

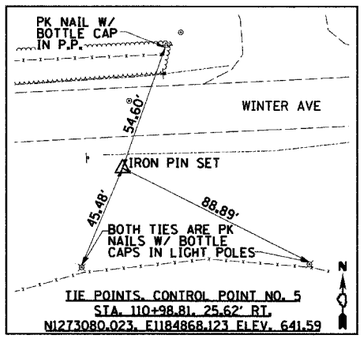
NOTE:
SEE ATB SHEET 6 OF 6 FOR CURVE DATA.



TIE POINTS, CONTROL POINT NO. 1 (BM-1)
STA. 136+79.38, 552.97' RT.
N1272708.604, E1187477.328 ELEV. 685.86



TIE POINTS, CONTROL POINT NO. 4
STA. 124+59.59, 29.75' RT.
N1273154.148, E1186227.077 ELEV. 653.19



TIE POINTS, CONTROL POINT NO. 5
STA. 110+98.81, 25.62' RT.
N1273080.023, E1184868.123 ELEV. 641.59

CONTROL POINT NO. 2, NO TIE POINTS
STA. 136+86.32, 28.08' RT.
N1273232.886, E1187451.286 ELEV. 688.85

CONTROL POINT NO. 3, NO TIE POINTS
STA. 128+51.94, 44.13' RT.
N1273164.451, E1186619.556 ELEV. 670.56

CONTROL POINT NO. 6, NO TIE POINTS
STA. 107+40.22, 9.34' LT.
N1273094.904, E1184508.140 ELEV. 618.14

CONTROL POINT NO. 11, NO TIE POINTS
STA. 147+66.21, 1047.44' RT.
N1272283.390, E1188593.080 ELEV. 696.72

CONTROL POINT NO. 12, NO TIE POINTS
STA. 148+11.34, 661.57' LT.
N1273992.016, E1188535.650 ELEV. 698.64

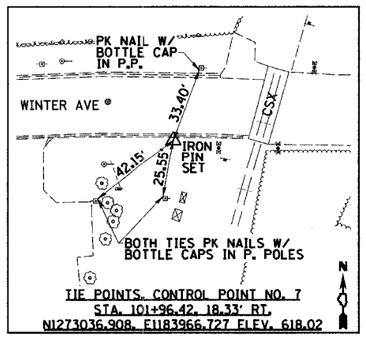
CONTROL POINT NO. 13, NO TIE POINTS
STA. 152+91.32, 24.41' LT.
N1273382.438, E1189050.214 ELEV. 695.93

TEMPORARY BENCHMARK DESCRIPTIONS:

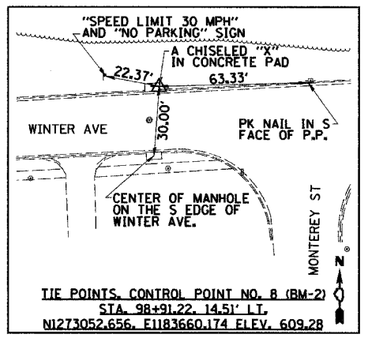
TBM-1: STA. 117+50, 141' RT. (WINTER AVE.)
NE CORNER OF HANDHOLD EAST OF EAST PAVILION FOR PLAYGROUND NEAR LIGHT POLE NO. 40.
ELEV. = 637.31

TBM-2: STA. 125+49.15, 156.80' RT. (WINTER AVE.)
NE BOLT OF LIGHT POLE FOR SOCCER FIELD SOUTH OF FLAG POLE AT AUTOZONE FIELD.
ELEV. = 666.07

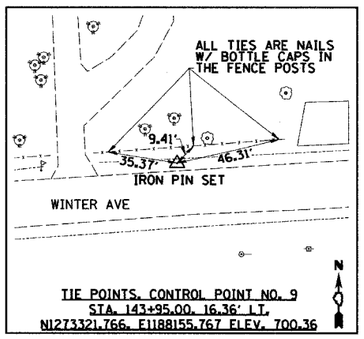
TBM-3: STA. 60+98.27, 32.73' RT. (BOWMAN AVE.)
HEADBOLT CLOSEST TO THE "M" IN MUELLER ON FIRE HYDRANT IN THE SE QUADRANT OF THE WINTER AVE. AT BOWMAN AVE. INTERSECTION.
ELEV. = 698.68



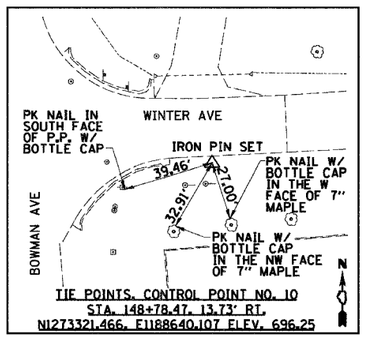
TIE POINTS, CONTROL POINT NO. 7
STA. 101+96.42, 18.33' RT.
N1273036.908, E1183966.727 ELEV. 618.02



TIE POINTS, CONTROL POINT NO. 8 (BM-2)
STA. 98+91.22, 14.51' LT.
N1273052.656, E1183660.174 ELEV. 609.28



TIE POINTS, CONTROL POINT NO. 9
STA. 143+95.00, 16.36' LT.
N1273321.766, E1188155.767 ELEV. 700.36



TIE POINTS, CONTROL POINT NO. 10
STA. 148+78.47, 13.73' RT.
N1273321.466, E1188640.107 ELEV. 696.25

POINT LOCATION	COORDINATES NORTHING	EASTING
TRO1 P.O.T. STA. 104+11.39 (INTERIM PVMT.)	1,273,054.35	1,184,182.01
1 P.O.T. STA. 94+96.37 (WINTER)	1,273,016.12	1,183,266.75
2 P.I. KINK STA. 147+93.37 (WINTER) P.O.T. STA. 61+87.86 (BOWMAN)	1,273,330.47	1,188,554.38
3 P.O.T. STA. 157+93.36 (WINTER)	1,273,385.89	1,189,552.84
4 P.I. KINK STA. 72+49.87 (BOWMAN)	1,274,388.57	1,188,463.34
5 P.O.T. STA. 198+99.22 (BICYCLE PATH)	1,273,016.12	1,183,671.11
6 P.I. KINK STA. 201+74.13 (BICYCLE PATH)	1,273,031.47	1,183,945.58
7 P.I. KINK STA. 202+24.67 (BICYCLE PATH)	1,273,026.86	1,183,995.92
8 P.O.T. STA. 248+55.02 (BICYCLE PATH)	1,273,286.24	1,188,615.81
9 P.O.T. STA. 20+00.00 (PARK ENT.)	1,272,863.81	1,187,508.10
10 P.O.T. STA. 137+19.84 (WINTER) P.O.T. STA. 24+00.00 (PARK ENT.)	1,273,263.02	1,187,482.97
11 P.O.T. STA. 76+00.00 (BOWMAN)	1,274,737.41	1,188,433.31

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION ALIGNMENT, TIES, R.O.W., EASEMENTS & BENCHMARKS BOWMAN AVENUE STA. 64+00 TO STA. 76+00

SCALE: 1" = 50' DATE: 12/30/05
DRAWN BY: NIL CHECKED BY: SMK

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	15
STA. N/A		TO STA. N/A		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

PLAN
NOTE BOOK
NO.
SURVEYED
DRAWN
ALIGNMENT CHECKED
PLAT OF R/W CHECKED
JOB FILE NAME
BY
DATE

CURVE	NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6	NO. 7	NO. 8	NO. 9	NO. 10
P.I. STA.	121+37.67	49+77.62	205+38.98	205+65.59	207+20.40	207+81.34	218+86.52	219+43.86	220+25.30	220+82.41
P.I. COORD.	N 1,273,163.62	N 1,272,064.47	N 1,273,044.41	N 1,273,047.31	N 1,273,055.95	N 1,273,051.93	N 1,273,113.65	N 1,273,111.85	N 1,273,116.40	N 1,273,124.55
	E 1,185,903.93	E 1,188,663.31	E 1,184,309.73	E 1,184,336.19	E 1,184,490.77	E 1,184,551.64	E 1,185,655.18	E 1,185,712.52	E 1,185,793.85	E 1,185,850.41
Δ	0° 24' 03" (LT)	38° 29' 33" (LT)	3° 03' 01" (LT)	3° 03' 01" (RT)	6° 58' 57" (RT)	6° 58' 57" (LT)	5° 00' 00" (RT)	5° 00' 00" (LT)	5° 00' 00" (LT)	4° 47' 59" (RT)
D	0° 24' 02"	2° 30' 31"	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"
T	50.01	797.44	13.31	13.31	30.5	30.5	21.83	21.83	21.83	20.95
L	100.03	1,534.44	26.62	26.62	60.93	60.93	43.63	43.63	43.63	41.88
R	14,300.00	2,284.00	500	500	500	500	500	500	500	500
E	0.09	135.21	0.18	0.18	0.93	0.93	0.48	0.48	0.48	0.44
P.C. STA.	120+87.66	41+80.18	205+25.66	205+52.28	206+89.90	207+50.83	218+64.69	219+22.03	220+03.47	220+61.46
P.C. COORD.	N 1,273,160.83	N 1,271,400.07	N 1,273,043.66	N 1,273,045.86	N 1,273,054.25	N 1,273,053.94	N 1,273,112.43	N 1,273,112.53	N 1,273,115.18	N 1,273,121.56
	E 1,185,853.99	E 1,188,222.30	E 1,184,296.44	E 1,184,322.96	E 1,184,460.31	E 1,184,521.21	E 1,185,633.38	E 1,185,690.70	E 1,185,772.06	E 1,185,829.67
P.T. STA.	121+87.69	57+14.62	205+52.28	205+78.90	207+50.83	208+11.77	219+08.32	219+65.66	220+47.10	221+03.34
P.T. COORD.	N 1,273,166.76	N 1,272,858.97	N 1,273,045.86	N 1,273,048.05	N 1,273,053.94	N 1,273,053.63	N 1,273,112.96	N 1,273,113.07	N 1,273,119.51	N 1,273,125.79
	E 1,185,953.85	E 1,188,594.95	E 1,184,322.96	E 1,184,349.48	E 1,184,521.21	E 1,184,582.10	E 1,185,676.99	E 1,185,734.31	E 1,185,815.46	E 1,185,871.33

CURVE	NO. 11	NO. 12	NO. 13	NO. 14	NO. 15	NO. 16	NO. 17	NO. 18	NO. 19	NO. 20
P.I. STA.	221+93.87	222+50.99	223+31.96	223+89.30	225+66.17	226+23.51	227+04.48	227+61.82	228+42.79	229+00.14
P.I. COORD.	N 1,273,131.16	N 1,273,129.77	N 1,273,134.86	N 1,273,143.44	N 1,273,154.55	N 1,273,153.15	N 1,273,158.24	N 1,273,166.82	N 1,273,171.91	N 1,273,170.51
	E 1,185,961.70	E 1,186,018.82	E 1,186,099.66	E 1,186,156.39	E 1,186,332.93	E 1,186,390.28	E 1,186,471.12	E 1,186,527.85	E 1,186,608.69	E 1,186,666.04
Δ	4° 47' 59" (RT)	5° 00' 00" (LT)	5° 00' 00" (LT)	5° 00' 00" (RT)	5° 00' 00" (RT)	5° 00' 00" (LT)	5° 00' 00" (LT)	5° 00' 00" (RT)	5° 00' 00" (RT)	5° 00' 00" (LT)
D	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"
T	20.95	21.83	21.83	21.83	21.83	21.83	21.83	21.83	21.83	21.83
L	41.88	43.63	43.63	43.63	43.63	43.63	43.63	43.63	43.63	43.63
R	500	500	500	500	500	500	500	500	500	500
E	0.44	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
P.C. STA.	221+72.92	222+29.16	223+10.13	223+67.47	225+44.34	226+01.68	226+82.65	227+39.99	228+20.96	228+78.30
P.C. COORD.	N 1,273,129.92	N 1,273,130.30	N 1,273,133.49	N 1,273,140.17	N 1,273,153.18	N 1,273,153.69	N 1,273,156.87	N 1,273,163.56	N 1,273,170.54	N 1,273,171.05
	E 1,185,940.78	E 1,185,997.00	E 1,186,077.88	E 1,186,134.80	E 1,186,311.14	E 1,186,368.46	E 1,186,449.34	E 1,186,506.26	E 1,186,586.90	E 1,186,644.21
P.T. STA.	222+14.80	222+72.79	223+53.76	224+11.10	225+87.97	226+45.31	227+26.28	227+83.63	228+64.60	229+21.94
P.T. COORD.	N 1,273,130.65	N 1,273,131.14	N 1,273,138.12	N 1,273,144.81	N 1,273,154.02	N 1,273,154.53	N 1,273,161.51	N 1,273,168.20	N 1,273,171.38	N 1,273,171.88
	E 1,185,982.65	E 1,186,040.61	E 1,186,121.25	E 1,186,178.17	E 1,186,354.76	E 1,186,412.07	E 1,186,492.71	E 1,186,549.63	E 1,186,630.51	E 1,186,687.83

CURVE	NO. 21	NO. 22	NO. 23	NO. 24	NO. 25	NO. 26	NO. 27	NO. 28	NO. 29	NO. 30
P.I. STA.	229+81.11	230+38.45	231+19.42	231+76.76	232+57.73	233+15.07	233+96.05	234+53.39	235+34.36	235+91.70
P.I. COORD.	N 1,273,175.60	N 1,273,184.18	N 1,273,189.27	N 1,273,187.87	N 1,273,192.96	N 1,273,201.54	N 1,273,206.63	N 1,273,205.23	N 1,273,210.32	N 1,273,218.90
	E 1,186,746.88	E 1,186,803.60	E 1,186,884.44	E 1,186,941.79	E 1,187,022.63	E 1,187,079.36	E 1,187,160.20	E 1,187,217.55	E 1,187,298.39	E 1,187,355.11
Δ	5° 00' 00" (LT)	5° 00' 00" (RT)	5° 00' 00" (RT)	5° 00' 00" (LT)	5° 00' 00" (LT)	5° 00' 00" (RT)	5° 00' 00" (RT)	5° 00' 00" (LT)	5° 00' 00" (LT)	5° 00' 00" (RT)
D	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"	11° 27' 33"
T	21.83	21.83	21.83	21.83	21.83	21.83	21.83	21.83	21.83	21.83
L	43.63	43.63	43.63	43.63	43.63	43.63	43.63	43.63	43.63	43.63
R	500	500	500	500	500	500	500	500	500	500
E	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
P.C. STA.	229+59.28	230+16.62	230+97.59	231+54.93	232+35.90	232+93.24	233+74.22	234+31.56	235+12.53	235+69.87
P.C. COORD.	N 1,273,174.23	N 1,273,180.92	N 1,273,187.90	N 1,273,188.40	N 1,273,191.59	N 1,273,198.28	N 1,273,205.26	N 1,273,205.76	N 1,273,208.95	N 1,273,215.64
	E 1,186,725.09	E 1,186,782.02	E 1,186,862.65	E 1,186,919.97	E 1,187,000.85	E 1,187,057.77	E 1,187,138.41	E 1,187,195.72	E 1,187,276.60	E 1,187,333.53
P.T. STA.	230+02.91	230+60.25	231+41.22	231+98.56	232+79.54	233+36.88	234+17.85	234+75.19	235+56.16	236+13.50
P.T. COORD.	N 1,273,178.87	N 1,273,185.55	N 1,273,188.74	N 1,273,189.24	N 1,273,196.23	N 1,273,202.91	N 1,273,206.10	N 1,273,206.60	N 1,273,213.58	N 1,273,220.27
	E 1,186,768.46	E 1,186,825.39	E 1,186,906.26	E 1,186,963.58	E 1,187,044.22	E 1,187,101.14	E 1,187,182.02	E 1,187,239.33	E 1,187,319.97	E 1,187,376.90

CURVE	NO. 35	NO. 36
P.I. STA.	244+44.80	245+90.94
P.I. COORD.	N 1,273,272.47	N 1,273,269.65
	E 1,188,206.10	E 1,188,352.24
Δ	4° 42' 33" (RT)	4° 42' 33" (LT)
D	11° 27' 33"	11° 27' 33"
T	20.56	20.56
L	41.1	41.1
R	500	500
E	0.42	0.42
P.C. STA.	244+24.24	245+70.38
P.C. COORD.	N 1,273,271.18	N 1,273,270.04
	E 1,188,185.58	E 1,188,331.68
P.T. STA.	244+65.34	246+11.48
P.T. COORD.	N 1,273,272.07	N 1,273,270.94
	E 1,188,226.66	E 1,188,372.76

CURVE	NO. TRO2
P.I. STA.	104+78.81
P.I. COORD.	N 1,273,070.97
	E 1,184,247.36
Δ	11° 04' 09" (RT)
D	11° 27' 33"
T	48.45'
L	96.60'
R	500.00'
E	2.34'
P.C. STA.	104+30.37
P.C. COORD.	N 1,273,059.02
	E 1,184,200.40
P.T. STA.	105+26.96
P.T. COORD.	N 1,273,073.67
	E 1,184,295.73

CURVE NO. 1 : PROPOSED WINTER AVENUE

CURVE NO. 2 : PROPOSED BOWMAN AVENUE

CURVES NO. 3 - NO. 36 : PROPOSED BICYCLE PATH

CURVE NO. TRO2 : PROPOSED INTERIM PAVEMENT

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION ALIGNMENT, TIES, R.O.W., EASEMENTS & BENCHMARKS CURVE DATA

SCALE: NTS DATE: 12/30/05

DRAWN BY: NIL CHECKED BY: MBF

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	16
STA. 103+00	TO STA. 109+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		
		CONTRACT NO.: 91356		

N

0 20 40

1" = 20'

PLAN

NOTE BOOK	SURVEYED	BY	DATE
NO.	ROUTE:		
	ALIGNMENT CHECKED		
	PLANS PREPARED		
	CADD FILE NAME		

REMOVAL LEGEND

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- TREE REMOVAL (AC)
- GUARDRAIL REMOVAL
- TREE REMOVAL

MANHOLE SCHEDULE (SEE NOTE)

	MAN RECONST (EACH)	MAN RECONST (EACH)	MAN ADJ (EACH)
STATION	107+69.31	105+29.00	108+50.00
OFFSET (ft)	6.00 LT	33.38 LT	6.00 LT
TYPE	MH-A	MH	MH-A
DIA. (ft)	5.00		5.00
F&G	T1-CL		T1-CL
RIM EL.	**624.01**	**613.75**	**628.04**
TOTAL	1	1	1
	2		

NOTE:

EXISTING MANHOLES OR MANHOLES PLACED IN PREVIOUS CONTRACT ARE TO BE ADJUSTED OR RECONSTRUCTED TO RIM ELEVATIONS SHOWN IN BOLD.

SW 1/4 SEC. 28 T20N-R11W 2nd P.M.

TREE REMOVAL SCHEDULE (ACRES)

FROM STATION	TO STATION	LT/RT	TREE REMOV (ACRES)
104+87	105+26	LT	0.017
104+95	105+33	RT	0.010
105+70	106+11	RT	0.030
105+77	106+24	LT	0.024
106+98	109+00	LT	0.108
SHEET TOTAL			0.189

(E1) TO (E4) = REFERENCE EXISTING TYPICAL SECTIONS

SHEET PILES REMOVAL INCLUDED IN EARTHWORK

INTERIM PAVEMENT BEGINS
BEGIN PAVEMENT REMOVAL
STA. 104+52.66

INTERIM PAVEMENT ENDS
END PAVEMENT REMOVAL
STA. 108+76.02

MATCHLINE 109+00
(WINTER AVENUE)

MATCHLINE 209+00
(BICYCLE PATH)

NW 1/4 SEC. 33 T20N-R11W 2nd P.M.

PAVEMENT REMOVAL SCHEDULE

FROM STATION	TO STATION	PAVEMENT REM (SY)
104+52.66	106+03.04	386.9
106+69.22	108+76.02	434.9
SHEET TOTAL		821.8

CULVERT REMOVAL SCHEDULE

TYPE	FROM STATION	O/S	LT/RT	TO STATION	O/S	LT/RT	SIZE (IN)	PIPE CULVERT REMOV (FOOT)
RCCP	105+31.60	35.00'	LT	105+84.32	31.95'	LT	24	52.8
SHEET TOTAL								52.8

GUARDRAIL REMOVAL SCHEDULE

FROM STATION	TO STATION	LT/RT	GUARDRAIL REMOV (FOOT)
105+78.67	106+03.99	LT	25.5
105+78.83	106+04.66	RT	26.1
106+67.37	106+95.34	RT	28.1
106+67.91	106+92.92	LT	25.4
106+93.92	108+21.84	LT	128.0
SHEET TOTAL			233.1

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION
EXISTING REMOVAL PLAN
WINTER AVENUE/BICYCLE PATH
STA. 103+00 TO STA. 109+00

SCALE: 1" = 20' DATE: 12/30/05

DRAWN BY: NIL CHECKED BY: XXX

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	17
STA. 103+00	TO STA. 109+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		
		CONTRACT NO.: 91356		

PLAN
SURVEYED
DRAWN
ALIGNMENT CHECKED
NOTE BOOK
NO.
CADD FILE NAME
BY
DATE

ENTRANCE QUANTITY SCHEDULE

TYPE	STATION	LT/RT	AGG SURF CSE B (TONS)	TEMP ACCESS-PRIV ENT (EACH)
P.E.	105+50.41	LT	24.0	1
SHEET TOTALS			24.0	1

GUARDRAIL SCHEDULE

FROM STATION	TO STATION	LT/RT	TRAF BAR TERM T6 (EACH)	SPBGR TY A (FT)	GUARDRAIL MARKERS (EACH)
106+85.70	107+18.85	LT	1		
107+18.85	109+00.00	LT		181.15	3
SHEET TOTALS			1	181.15	3

(P1) TO (P4) = REFERENCE PROPOSED TYPICAL SECTIONS

SW 1/4 SEC. 28 T20N-R11W 2nd P.M.

SEE ENTRANCE DETAILS FOR ENTRANCE DIMENSIONS

N

0 20 40

1" = 20'

℄ EXISTING WEST TRACK

℄ EXISTING EAST TRACK

5526

26

27

28

29

5527

5528

5529

CSX

RR

PROP. T.E.

EXIST. R.O.W.

TREES & BRUSH

BEGIN INTERIM PAVEMENT
STA. 104+52.66

104+52.66

PR. FUTURE ℄ WINTER AVE.

24" SAN. S.

STA. 104+11.39
BEGIN PR. ℄ INTERIM PAVEMENT

2' AGG. SHDR.

SECTION LINE

PROP. R.O.W.

RET. WALL

PR. FUTURE ℄ BICYCLE PATH

PR. ℄ INTERIM PAVEMENT

P.E. 105+50.41
12" W

105+51.20

105+81.20

106+88.20

107+18.20

108+76.02

AGG

GATE POST

24" RCCP

TREES & BRUSH
P CUL CL A 2 24 - 54 FT
U.S.F.L.: STA. 105+27.75
O/S 38.44' LT. EL. 611.00
D.S.F.L.: STA. 105+81.73
O/S 37.00' LT. EL. 609.35
W/ PRC FLAR END SEC 24 - 2 EACH

BEGIN STONEY CREEK BRIDGE
STA. 105+81.20

END STONEY CREEK BRIDGE
STA. 106+88.20

STONEY CREEK

PR. TBT TY. 6

PR. SPBGR TY. A

PR. SHEET PILING (SEE BRIDGE PLANS)

SHEET PILES

PROP. R.O.W.

CONST. LIMITS

WINTER AVE

O&C

MATCHLINE 109+00
(WINTER AVENUE)

MATCHLINE 209+00
(BICYCLE PATH)

205+00

206

207

208

STA. 205+61.98

STA. 207+07.94

30' BRIDGE APPROACH PAVEMENT (SPECIAL)
(SEE DETAIL SHEET)

PR. FIBER MAT
(SEE DITCH LINING SCHEDULE)

END INTERIM PAVEMENT
STA. 108+76.02

PR. AGGREGATE DITCH
(SEE DITCH LINING SCHEDULE)

EX. RIPRAP

CONST. LIMITS

NW 1/4 SEC. 33 T20N-R11W 2nd P.M.

DITCH CONTROL

1. STA. 106+73.4, 82.3' RT.
2. STA. 106+82.2, 77.3' RT.
3. STA. 107+03.6, 62.2' RT.
4. STA. 107+22.0, 55.6' RT.
5. STA. 107+27.1, 74.0' RT.
6. STA. 107+50.00, 46.3' RT.
7. STA. 107+75.00, 41.2' RT.
8. STA. 108+00.00, 42.0' RT.
9. STA. 108+50.00, 42.0' RT.

PORTLAND CEMENT CONCRETE SIDEWALK 9" SPECIAL SCHEDULE

FROM STATION	TO STATION	PC CONC SIDEWALK 9" SP (SF)
205+61.98	205+80.90	296.0
206+87.90	207+07.94	313.0
SHEET TOTALS		609.0

BRIDGE APPROACH PAVEMENT (SPECIAL)

FROM STATION	TO STATION	BRIDGE APPR PAVT SPL (SY)	PROTECTIVE COAT (SY)
105+51.20	105+81.20	104.7	107.2
106+88.20	107+18.20	103.9	107.2
SHEET TOTALS		208.6	214.4

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION
PROPOSED ROADWAY PLAN
WINTER AVENUE/BICYCLE PATH
STA. 103+00 TO STA. 109+00

SCALE: 1" = 20'
DATE: 12/30/05
DRAWN BY: NIL
CHECKED BY: XXX

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	18
STA. 109+00	TO STA. 115+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

PLAN — SURVEYED / DRAWN / ALIGNMENT CHECKED / PLANS CHECKED / CADD FILE NAME: ____ / NOTE BOOK: ____ / NO.: ____ — BY / DATE

(E1) TO (E4) = REFERENCE EXISTING TYPICAL SECTIONS

SW 1/4 SEC. 28 T20N-R11W 2nd P.M.

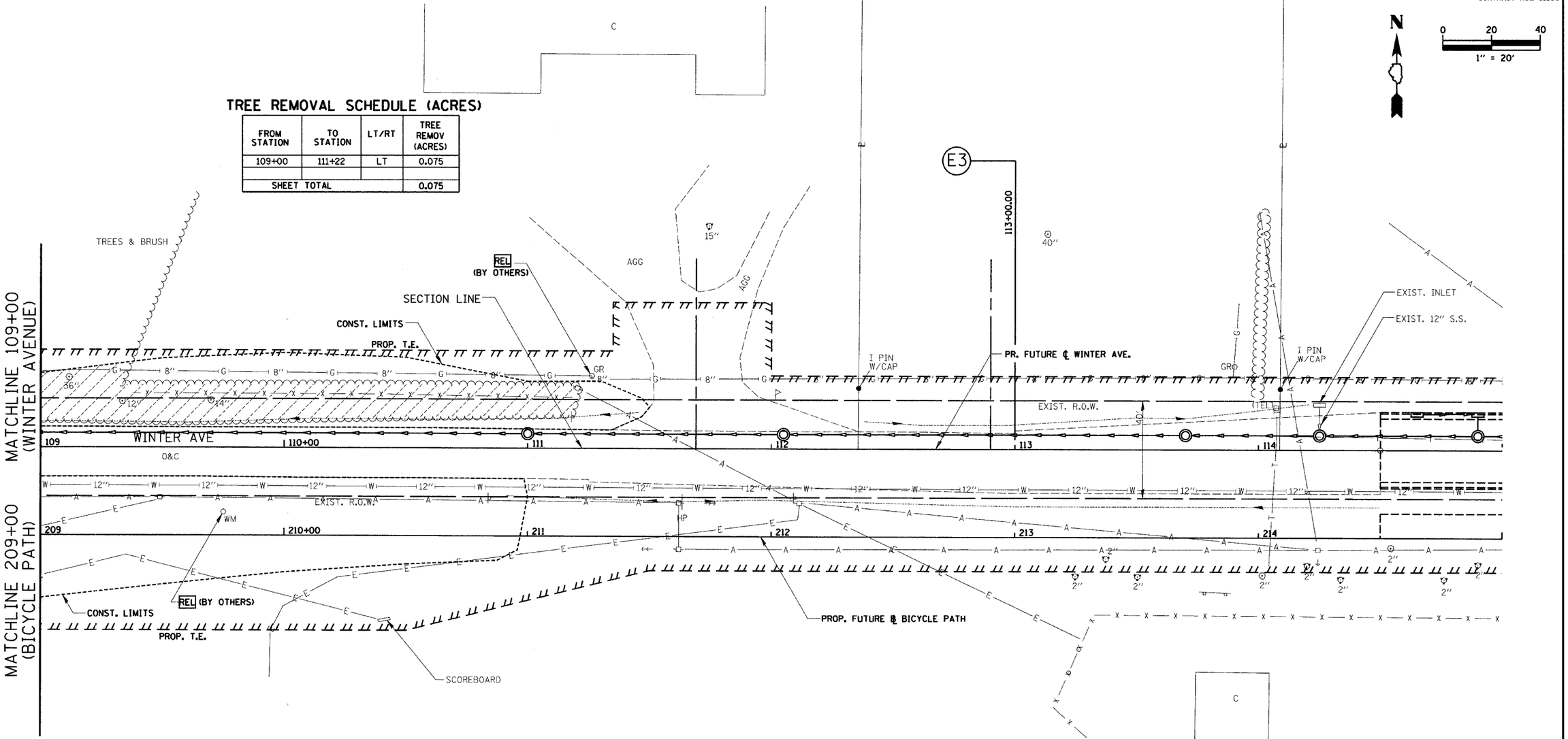
N

0 20 40

1" = 20'

TREE REMOVAL SCHEDULE (ACRES)

FROM STATION	TO STATION	LT/RT	TREE REMOV (ACRES)
109+00	111+22	LT	0.075
SHEET TOTAL			0.075



REMOVAL LEGEND

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- TREE REMOVAL (AC)
- GUARDRAIL REMOVAL
- TREE REMOVAL

NW 1/4 SEC. 33 T20N-R11W 2nd P.M.

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION
EXISTING REMOVAL PLAN
WINTER AVENUE/BICYCLE PATH
STA. 109+00 TO STA. 115+00

SCALE: 1" = 20' DATE: 12/30/05

DRAWN BY: NIL CHECKED BY: XXX

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	19
STA. 109+00	TO STA. 115+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		
		CONTRACT NO.: 91356		

GUARDRAIL SCHEDULE

FROM STATION	TO STATION	LT/RT	SPBGR TY A (FT)	TR BAR TRM TI SPL TAN (EACH)	GUARDRAIL MARKERS (EACH)	TERMINAL MARKER DA (EACH)
109+00.00	110+18.85	LT	118.85		2	
110+18.85	110+68.85	LT		1		1
SHEET TOTALS			118.85	1	2	1

(P1) TO (P4) = REFERENCE PROPOSED TYPICAL SECTIONS

SW 1/4 SEC. 28 T20N-R11W 2nd P.M.

N

0 20 40

1" = 20'

MATCHLINE 109+00 (WINTER AVENUE)

MATCHLINE 209+00 (BICYCLE PATH)

TREES & BRUSH

PR. TBT TY. 1 SPL (TAN)

SECTION LINE

CONST. LIMITS

PROP. T.E.

PR. SPBGR TY. A

P4

AGG

C.E. 111+69.08

111+50.00

P.E. 112+90.00

PR. FUTURE ℄ WINTER AVE.

1 PIN W/CAP

EXIST. R.O.W.

WINTER AVE

O&C

WM

HP

PR. FIBER MAT (SEE DITCH LINING SCHEDULE)

CONST. LIMITS

PROP. T.E.

SCOREBOARD

111+00.00

PR. FUTURE ℄ BICYCLE PATH

NW 1/4 SEC. 33 T20N-R11W 2nd P.M.

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION
PROPOSED ROADWAY PLAN
WINTER AVENUE/BICYCLE PATH
STA. 109+00 TO STA. 115+00

SCALE: 1" = 20' DATE: 12/30/05

DRAWN BY: NIL CHECKED BY: XXX

PLAN
NOTE BOOK
NO.
SURVEYED
DRAWN
ALIGNMENT CHECKED
PLAN CHECKED
CADD FILE NAME
BY
DATE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	20
STA. 97+00	TO STA. 109+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO. 91356

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

DATE
BY

635 630 625 620 615 610 605 600 595

EX. PROFILE WINTER AVE.

MATCH EXISTING
STA. 100+10.00
ELEV. 610.36

+10.00 EL. 610.36

K = 53
150.00' V.C.

VPI STA. 100+85.00
ELEVATION 611.24

+60.00 EL. 614.24

+82.50 EL. 615.14

SSD = 223'
K = 33
150.00' V.C.

VPI STA. 102+57.50
ELEVATION 618.14

+1.17%
+4.00%
+4.00%
-0.50%

PR. FUTURE PROFILE WINTER AVE.

609.42 609.44 609.32 609.18 609.28 609.69 610.25 611.11 612.75 615.35 617.66 618.62 617.50

97+00 97+50 98+00 98+50 99+00 99+50 100+00 100+50 101+00 101+50 102+00 102+50 103+00

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

DATE
BY

635 630 625 620 615 610 605 600 595

PROPOSED PROFILE THIS CONTRACT

PR. FUTURE PROFILE WINTER AVE.

EX. STRUCTURE CSX RAILROAD

+32.50 EL. 617.76

+64.42 EL. 617.11

K = 55
300.00' V.C.

+64.42 EL. 623.85

PR. INTERIM PAVEMENT PROFILE

+5.00 %

END BRIDGE
STA. 106+88.20

BEGIN BRIDGE
STA. 105+81.20

VPI STA. 106+14.42
ELEVATION 616.36

EX. PROFILE WINTER AVE.

+1.09 %

-0.50%

+5.00%

+15.00% (RT)

RT DITCH
STA. 107+75.00
ELEV. 624.24

MATCH EXISTING
STA. 108+76.02
ELEV. 629.43

PR. INTERIM PAVEMENT PROFILE

BRIDGE APPROACH PAVEMENT
STA. 105+51.20
ELEV. 617.36

MATCH EXISTING
STA. 104+52.66
ELEV. 616.29

2:1

+4.12% (RT)

SPL DITCH, RT

RT DITCH
STA. 107+00.00
ELEV. 612.99

RT DITCH
STA. 106+75.00
ELEV. 611.96

CHANNEL EXCAVATION

CHANNEL EXCAVATION

STONEY CREEK

BR. APPROACH PVMT.
STA. 107+18.20
ELEV. 621.74

617.50 616.79 624.27 616.33 615.29 616.80 614.89 617.35 615.33 618.11 615.87 619.33 616.79 621.01 619.38 623.15 623.14 625.63 627.32 628.13 631.38

103+00 103+50 104+00 104+50 105+00 105+50 106+00 106+50 107+00 107+50 108+00 108+50 109+00

REVISIONS	
NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION
PROPOSED ROADWAY PROFILE
WINTER AVENUE
STA. 97+00 TO STA. 109+00

SCALE: 1" = 20' HORZ.
1" = 5' VERT.

DATE: 12/30/05

DRAWN BY: NIL

CHECKED BY:

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	21
STA. 109+00	TO STA. 121+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

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

SSD = 286'
K = 62
350.00' V.C.

+62.58 EL. 633.76

VPI STA. 111+37.58
ELEVATION 642.51

+5.00%

-0.69%

+12.58 EL. 641.31

EX. PROFILE WINTER AVE.

MATCH PAVEMENT FROM CONTRACT 1
STA. 114+50.00
EL. 640.36

+35.00 EL. 640.05

PR. FUTURE PROFILE WINTER AVE.

PR. PROFILE WINTER AVE.
FROM CONTRACT 1

	631.38		635.31		638.61		640.81		642.11		642.89		642.99		642.48		642.07		641.60		641.13		640.36		640.02
	630.63		633.13		635.52		637.51		639.10		640.28		641.05		641.42		641.38		641.05		640.71		640.36		
	109+00		109+50		110+00		110+50		111+00		111+50		112+00		112+50		113+00		113+50		114+00		114+50		115+00

655 650 645 640 635 630 625 620 615

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

K = 150
350.00' V.C.

VPI STA. 116+70.00
ELEVATION 638.85

+45.00 EL. 641.74

-0.69%

+1.65%

PR. PROFILE WINTER AVE.
FROM CONTRACT 1

	640.02		639.78		639.70		639.79		640.05		640.47		641.06		641.82		642.65		643.47		644.30		645.12		645.95
	115+00		115+50		116+00		116+50		117+00		117+50		118+00		118+50		119+00		119+50		120+00		120+50		121+00

655 650 645 640 635 630 625 620 615

REVISIONS	
NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION
PROPOSED ROADWAY PROFILE
WINTER AVENUE
STA. 109+00 TO STA. 121+00

SCALE: 1" = 20' HORZ.
1" = 5' VERT.

DATE: 12/30/05

DRAWN BY: NIL

CHECKED BY:

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	22
STA. 199+50	TO STA. 209+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / NOTE BOOK / NO. / STRUCTURE NOTATIONS CHK'D — BY / DATE

MATCH EX. SIDEWALK
STA. 199+98.65
ELEV. 609.90

+28.04 EL. 610.57

K = 66
100.00' V.C.

EX. GROUND PROFILE

+28.04 EL. 613.59

PR. FUTURE BICYCLE PATH PROFILE

BEGIN PR. BICYCLE PATH
STA. 202+24.67
ELEV. 617.10

VPI STA. 202+67.72
ELEVATION 618.88

+3.79%

-0.50%

+2.26%

+3.79%

VPI STA. 200+78.04
ELEVATION 611.70

PR. FUTURE SIDEWALK PROFILE

+92.72 EL. 616.04

K = 35
150.00' V.C.

609.19 | 609.91 | 611.00 | 612.42 | 614.37 | 617.53 | 616.56 | 617.05

199+50 | 200+00 | 200+50 | 201+00 | 201+50 | 202+00 | 202+50 | 203+00

635 / 630 / 625 / 620 / 615 / 610 / 605 / 600 / 595

PROPOSED PROFILE THIS CONTRACT

EX. GROUND PROFILE

K = 55
300.00' V.C.

+64.12 EL. 617.89

+64.12 EL. 624.64

END BRIDGE
STA. 206+87.90

PR. BICYCLE PATH PROFILE

BEGIN BRIDGE
STA. 205+80.90

PR. FUTURE BICYCLE PATH PROFILE

+42.72 EL. 618.50

PR. FUTURE BICYCLE PATH PROFILE

-0.50%

+5.00%

VPI STA. 206+14.12
ELEVATION 617.14

BEGIN BIKE PATH PROFILE
STA. 205+61.98
ELEV. 618.28

END BIKE PATH PROFILE
STA. 207+07.94
ELEV. 622.12

617.05 | 616.71 | 622.54 | 640.80 | 615.87 | 614.03 | 604.45 618.90 | 605.17 620.13 | 614.35 621.81 | 618.00 | 628.59 | 635.63 | 635.36

203+00 | 203+50 | 204+00 | 204+50 | 205+00 | 205+50 | 206+00 | 206+50 | 207+00 | 207+50 | 208+00 | 208+50 | 209+00

635 / 630 / 625 / 620 / 615 / 610 / 605 / 600 / 595

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION
PROPOSED PROFILE
BICYCLE PATH
STA. 199+50 TO STA. 209+00

SCALE: 1" = 20' HORZ.
1" = 5' VERT.

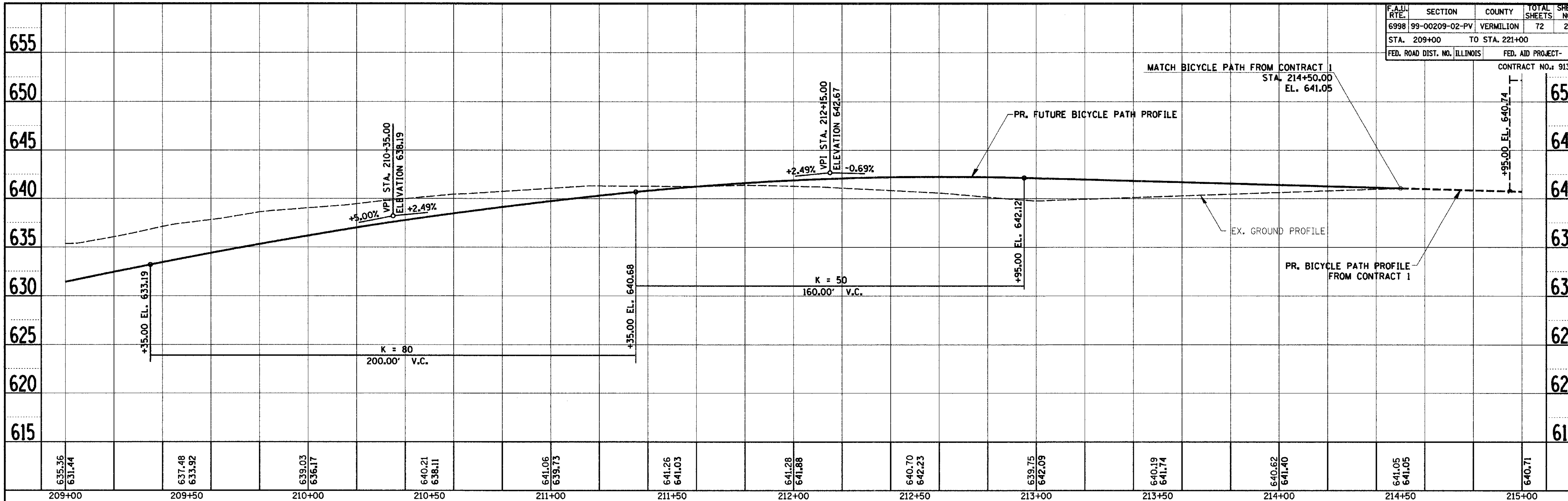
DATE: 12/30/05

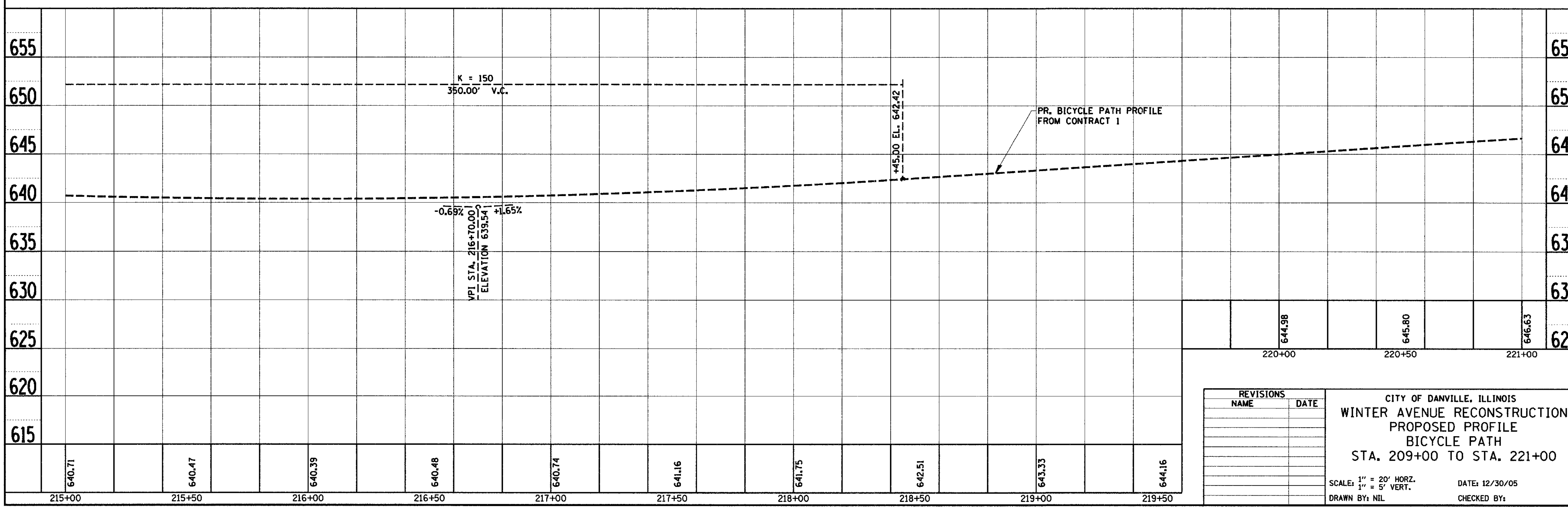
DRAWN BY: NIL

CHECKED BY:

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	23
STA. 209+00	TO STA. 221+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356





PROFILE — NOTE BOOK NO. ___ — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CHK'D — BY — DATE

PROFILE — NOTE BOOK NO. ___ — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CHK'D — BY — DATE

REVISIONS	
NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION
PROPOSED PROFILE
BICYCLE PATH
STA. 209+00 TO STA. 221+00

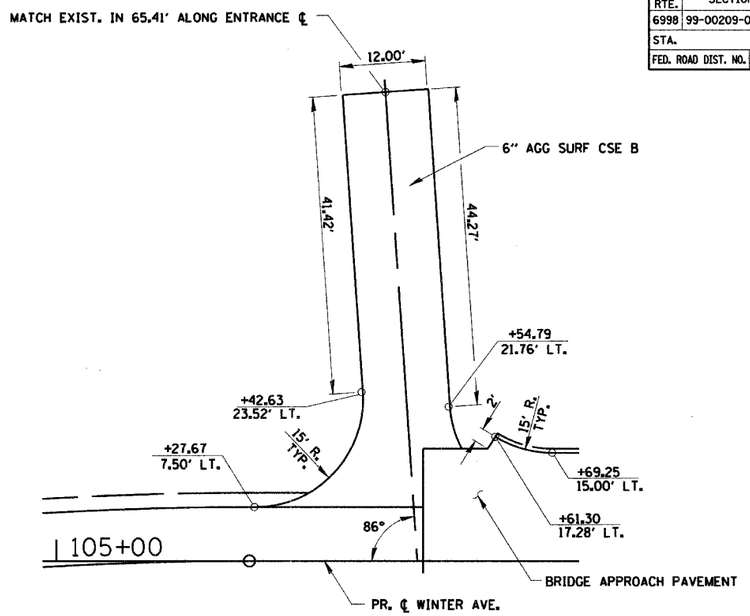
SCALE: 1" = 20' HORZ. 1" = 5' VERT. DATE: 12/30/05

DRAWN BY: NIL CHECKED BY:

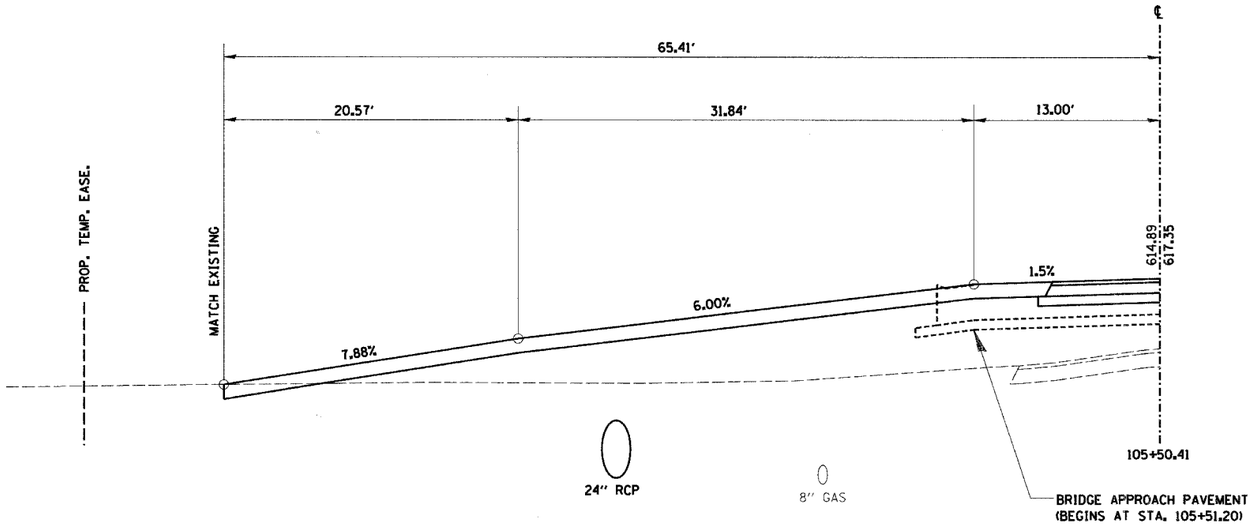
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	24
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

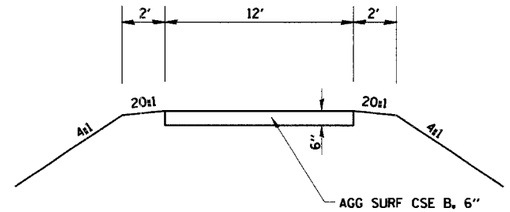
PLAN	BY	DATE
SURVEYED AUTH:		
ALIGNMENT CHECKED AS: MONUMENTED		
NOTE BOOK NO.		
CADD FILE NAME		



PRIVATE ENTRANCE DETAIL
(P.E.) 105+50.41



ENTRANCE PROFILE DETAIL
NTS



TYPICAL ENTRANCE SECTION
NTS

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS
WINTER AVENUE RECONSTRUCTION

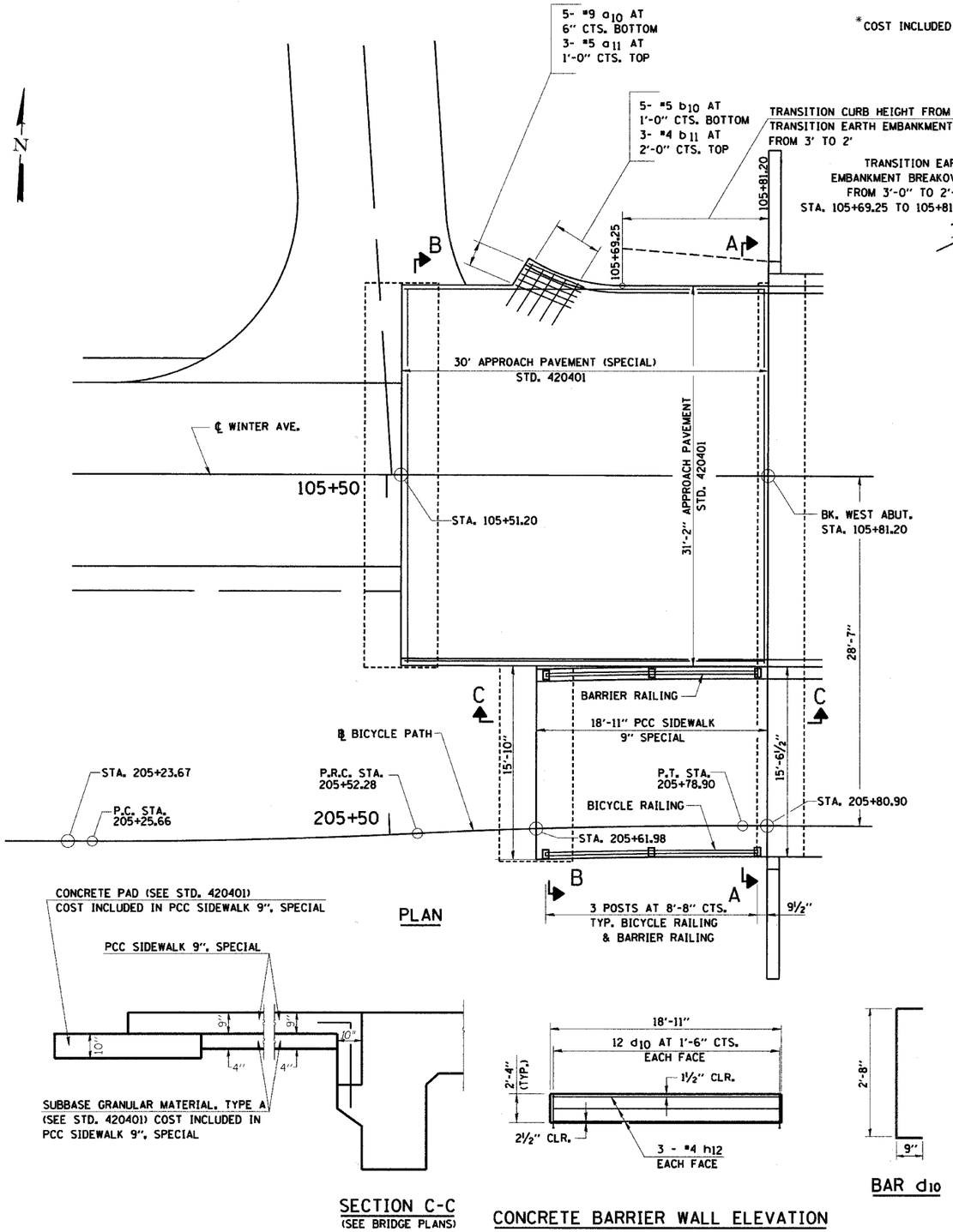
ENTRANCE DETAILS

SCALE: 1" = 10' DATE: 12/30/05
DRAWN BY: SRS CHECKED BY: MBF

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	25
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

PLAN
SURVEYED
ALIGNMENT CHECKED
R/T. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE



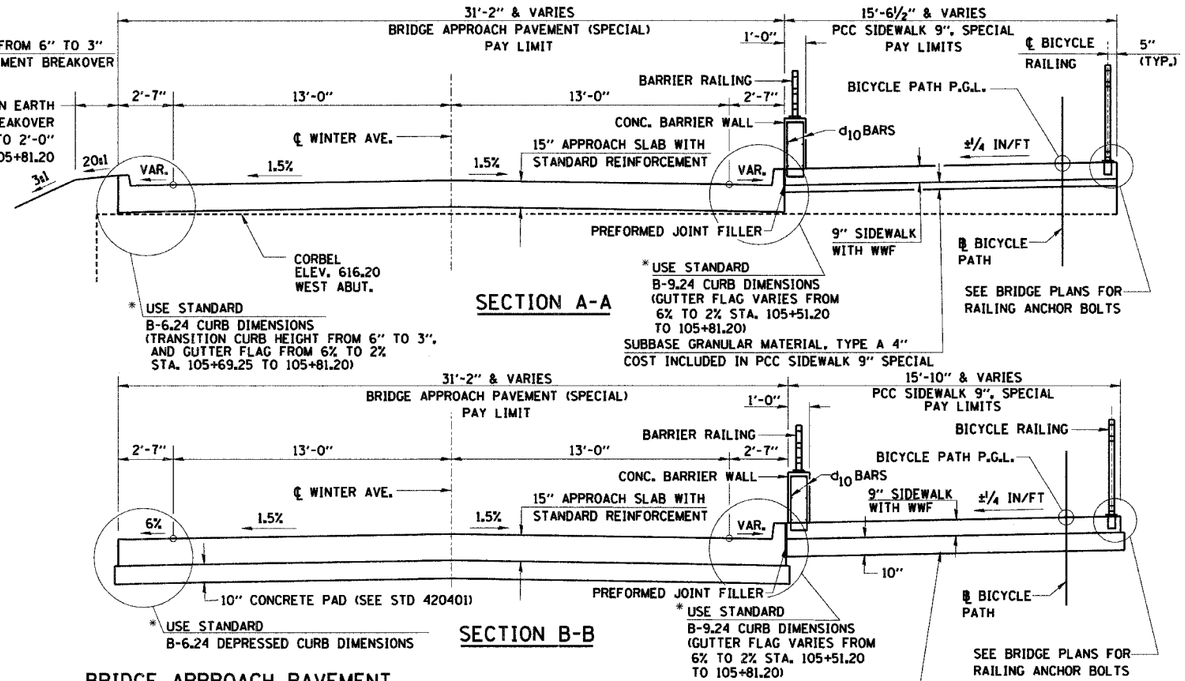
PLAN

SECTION C-C
(SEE BRIDGE PLANS)

CONCRETE BARRIER WALL ELEVATION

BAR d_{10}

*COST INCLUDED IN BRIDGE APPROACH PAVEMENT (SPECIAL)



SECTION A-A

SECTION B-B

BRIDGE APPROACH PAVEMENT (WEST END) BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a_{10}	5	#9	5'-0"	——
a_{11}	3	#5	5'-0"	——
b_{10}	5	#5	4'-0"	——
b_{11}	3	#4	4'-0"	——

CONCRETE BARRIER WALL (WEST END) BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d_{10}	24	#4	4'-2"	⌐¬
h_{12}	6	#4	18'-7"	——
* Reinforcement Bars, Epoxy Coated			Pound	140
* Concrete Structures			Cu. Yds.	1.6
* Protective Coat			Sq. Yds.	12
* Bicycle Railing			Foot	19

BARRIER RAILING SHALL NOT BE QUANTIFIED SEPERATELY BUT SHALL BE CONSIDERED INCLUDED IN THE INSTALLATION AND COST OF BICYCLE RAILING. (SEE SHEET 48 OF 72 FOR BARRIER RAILING AND BICYCLE RAILING DETAILS)

BAR d_{10} SHALL BE CAST IN PCC SIDEWALK 9", SPECIAL

* NOT A TOTAL QUANTITY. (FOR TOTAL QUANTITY ADD SIMILAR PAY ITEMS).

NOTES:

f'c = 3500 psi
fy = 60,000 psi (REINF.)

THE BRIDGE APPROACH PAVEMENT BILL OF MATERIAL PROVIDED ON THIS SHEET IS FOR INFORMATION ONLY. COST OF REINFORCEMENT IS INCLUDED IN THE BRIDGE APPROACH PAVEMENT (SPECIAL).

WORK THIS SHEET WITH ROADWAY ENTRANCE DETAILS AND BRIDGE PLANS.

AVOID REINFORCEMENT WHEN SPACING RAIL ANCHOR ASSEMBLY. SEE BRIDGE PLANS FOR RAIL ANCHOR DETAILS.

9" THICK SIDEWALK FROM STA. 205+61.98 TO 205+80.90 SHALL BE REINFORCED WITH WIRE FABRIC, 6" X 6" - W4.0 X W4.0 WEIGHING 58 LBS. PER 100 SQ. FT. COST INCLUDED WITH PCC SIDEWALK 9", SPECIAL.

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION BRIDGE APPROACH PAVEMENT & BICYCLE PATH DETAILS WEST END

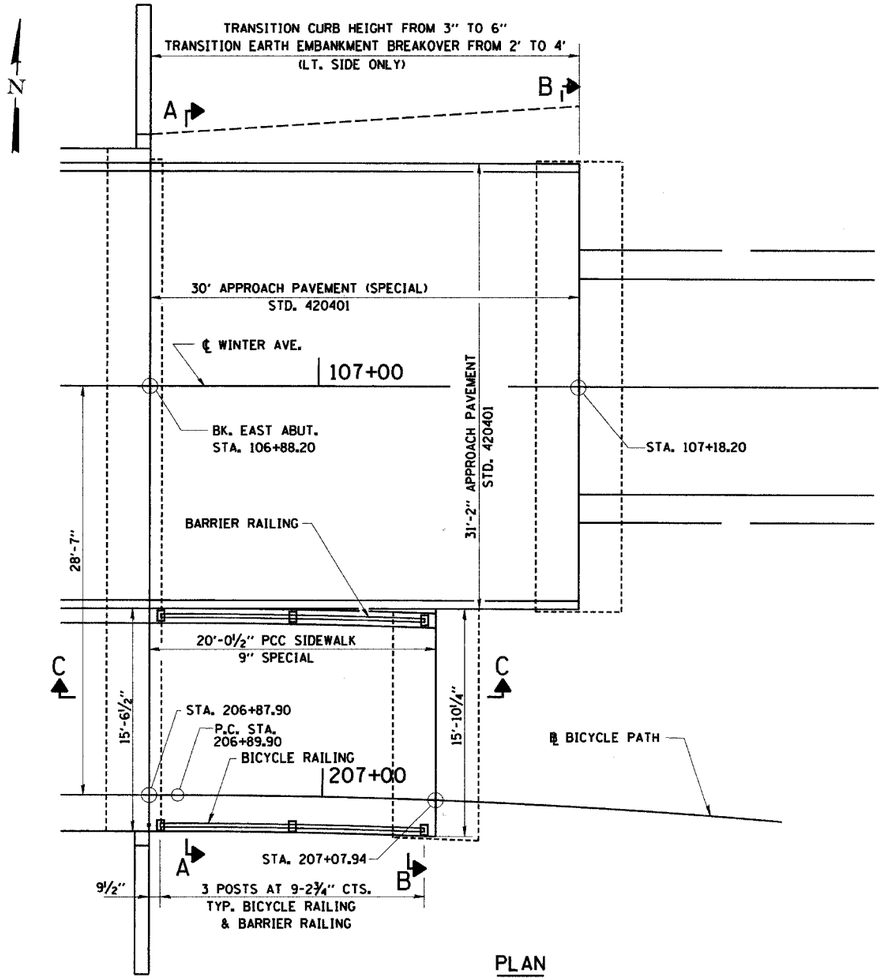
SCALE: N.T.S. DATE: 12/30/05
DRAWN BY: ACW CHECKED BY:

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	26
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

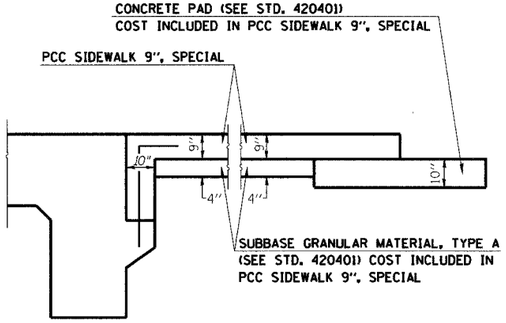
CONTRACT NO.: 91356

PLAN
SURVEYED
ALIGNMENT CHECKED
ALIGNMENT VERIFIED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

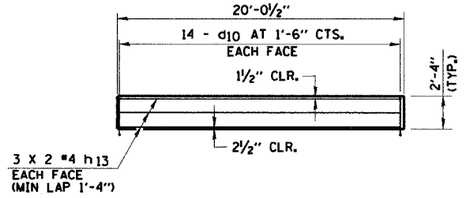
*COST INCLUDED IN BRIDGE APPROACH PAVEMENT (SPECIAL)



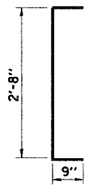
PLAN



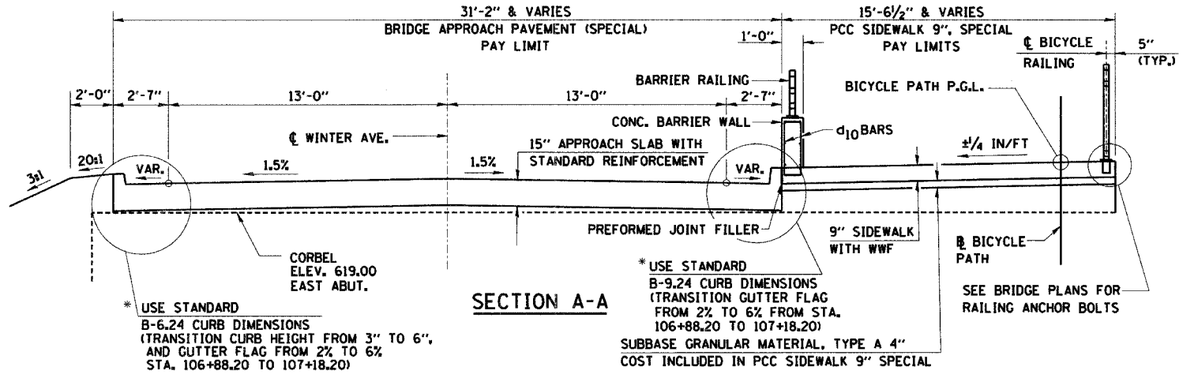
SECTION C-C
(SEE BRIDGE PLANS)



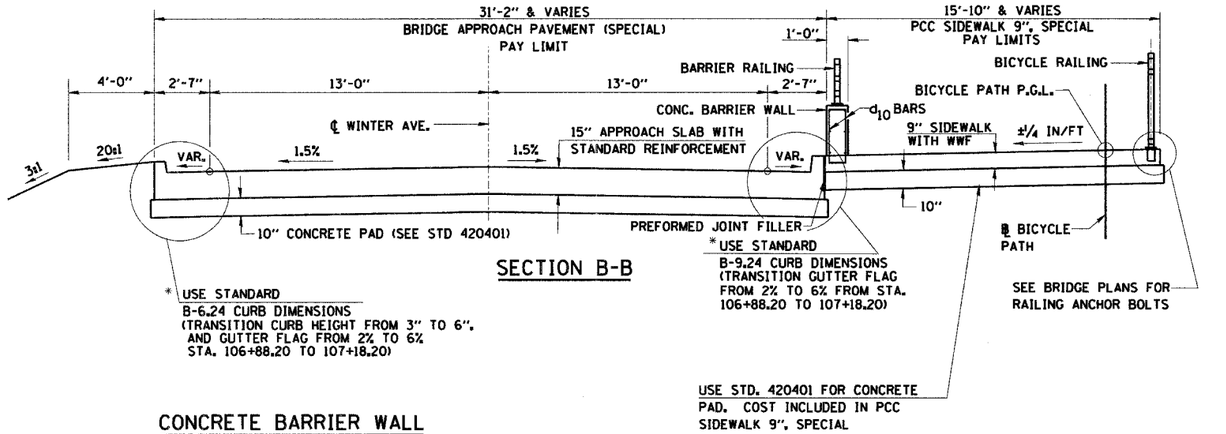
CONCRETE BARRIER WALL ELEVATION



BAR d_{10}



SECTION A-A



SECTION B-B

CONCRETE BARRIER WALL (EAST END) BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d_{10}	28	#4	4'-2"	⌴
h_{13}	12	#4	10'-8"	—
* Reinforcement Bars, Epoxy Coated			Pound	160
* Concrete Structures			Cu. Yds.	1.7
* Protective Coat			Sq. Yds.	13
* Bicycle Railing			Foot	20

BARRIER RAILING SHALL NOT BE QUANTIFIED SEPERATELY BUT SHALL BE CONSIDERED INCLUDED IN THE INSTALLATION AND COST OF BICYCLE RAILING. (SEE SHEET 48 OF 72 FOR BARRIER RAILING AND BICYCLE RAILING DETAILS)

BAR d_{10} SHALL BE CAST IN PCC SIDEWALK 9", SPECIAL

* NOT A TOTAL QUANTITY. (FOR TOTAL QUANTITY ADD SIMILAR PAY ITEMS).

NOTES:

f'c = 3500 psi
fy = 60,000 psi (REINF.)

WORK THIS SHEET WITH BRIDGE PLANS.

AVOID REINFORCEMENT WHEN SPACING RAIL ANCHOR ASSEMBLY. SEE BRIDGE PLANS FOR RAIL ANCHOR DETAILS.

9" THICK SIDEWALK FROM STA. 206+87.90 TO 207+07.94 SHALL BE REINFORCED WITH WIRE FABRIC, 6" X 6" - W4.0 X W4.0 WEIGHING 58 LBS. PER 100 SQ. FT. COST INCLUDED WITH PCC SIDEWALK 9", SPECIAL.

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION BRIDGE APPROACH PAVEMENT & BICYCLE PATH DETAILS EAST END

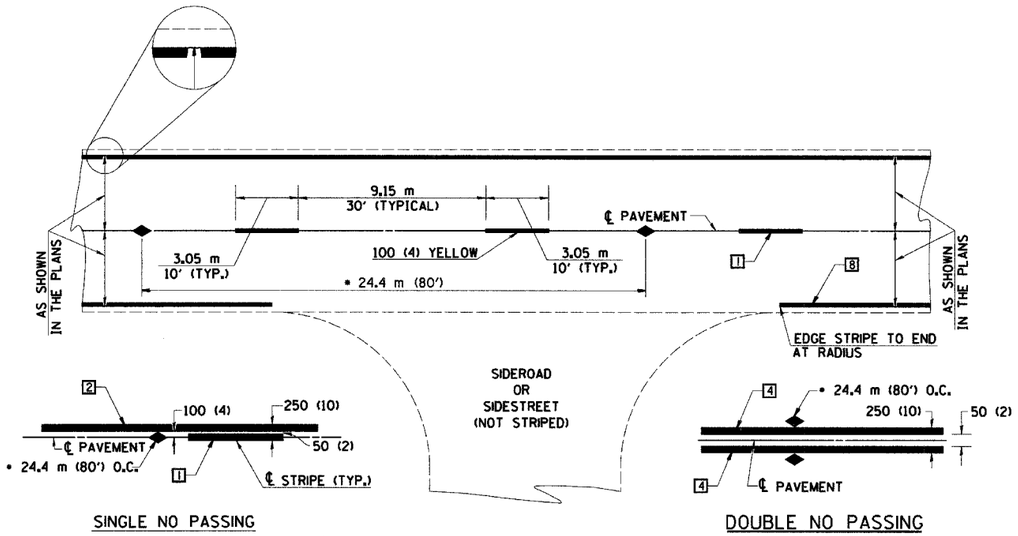
SCALE: N.T.S. DATE: 12/30/05
DRAWN BY: ACW CHECKED BY:

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	27
STA. N/A	TO STA. N/A			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

PLAN
NOTE BOOK
NO.
SURVEYED
DRAWN
ALIGNMENT CHECKED
PLAN OF R/W CHECKED
PLANS FILE NAME
BY
DATE

TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



* REDUCE TO 12.2 m (40') O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 70 km/h (45 mph) OR LESS.

TYPICAL PAVEMENT MARKING LEGEND

1 100 (4) SKIP-DASH (YELLOW)

2 100 (4) SOLID (YELLOW)

3 300 (12) DIAGONAL (YELLOW)

4 100 (4) DOUBLE YELLOW (NARROW)

5 RESERVED

6 RESERVED

7 100 (4) SKIP-DASH (WHITE)

8 100 (4) SOLID (WHITE)

9 300 (12) DIAGONAL (WHITE)

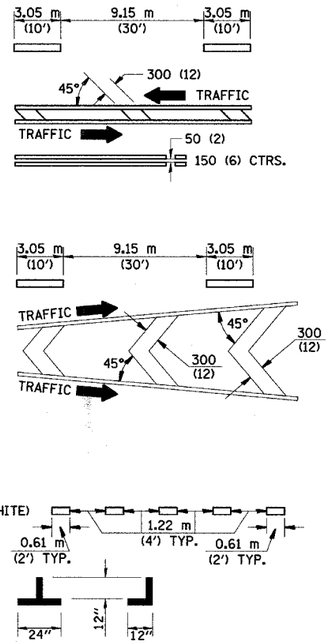
10 150 (6) CROSS WALK (WHITE)

11 600 (24) STOP BAR (WHITE)

12 200 (8) SOLID (WHITE)

13 100 (4) LANE LINE EXTENSIONS (WHITE)

14 100 (4) PARKING (WHITE)



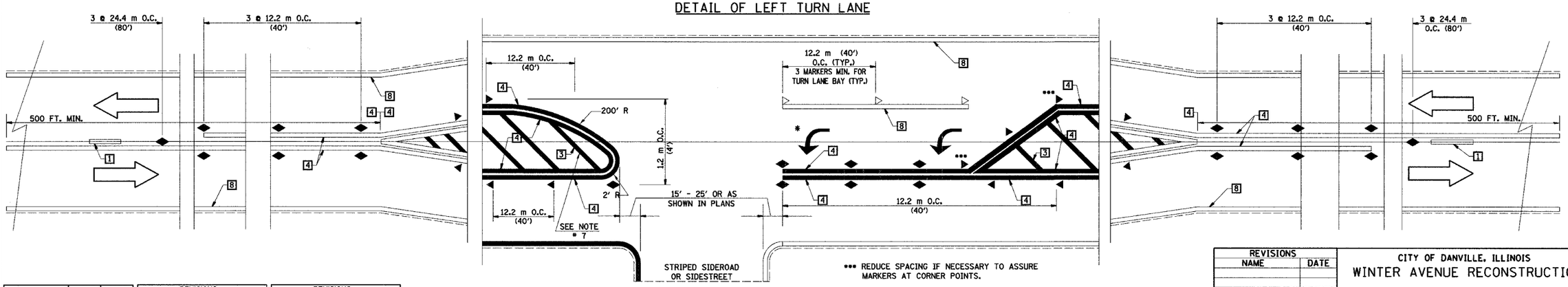
TYPICAL PAVEMENT MARKERS LEGEND

◆ TWO-WAY AMBER MARKER

▶ ONE-WAY AMBER MARKER

▷ ONE-WAY CRYSTAL MARKER

DETAIL OF LEFT TURN LANE



••• REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

* TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED

	NAME	DATE
DESIGNED	J.M.H.	5-85
CHECKED	F.M.S.	6-85
CADD NO.	F-5.25	

SHEET 1 OF 3

REVISIONS	
NAME	DATE
J.M.H.	5-3-88
J.M.H.	10-88

REVISIONS	
NAME	DATE
D.L.P.	11-96
D.L.P.	5-97
D.L.P.	4-01
GEOMETRICS	6-01
K.A.G.	7-02

REVISIONS	
NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION

IDOT DISTRICT 5
CADD DETAILS

SCALE: N/A DATE: 12/30/05

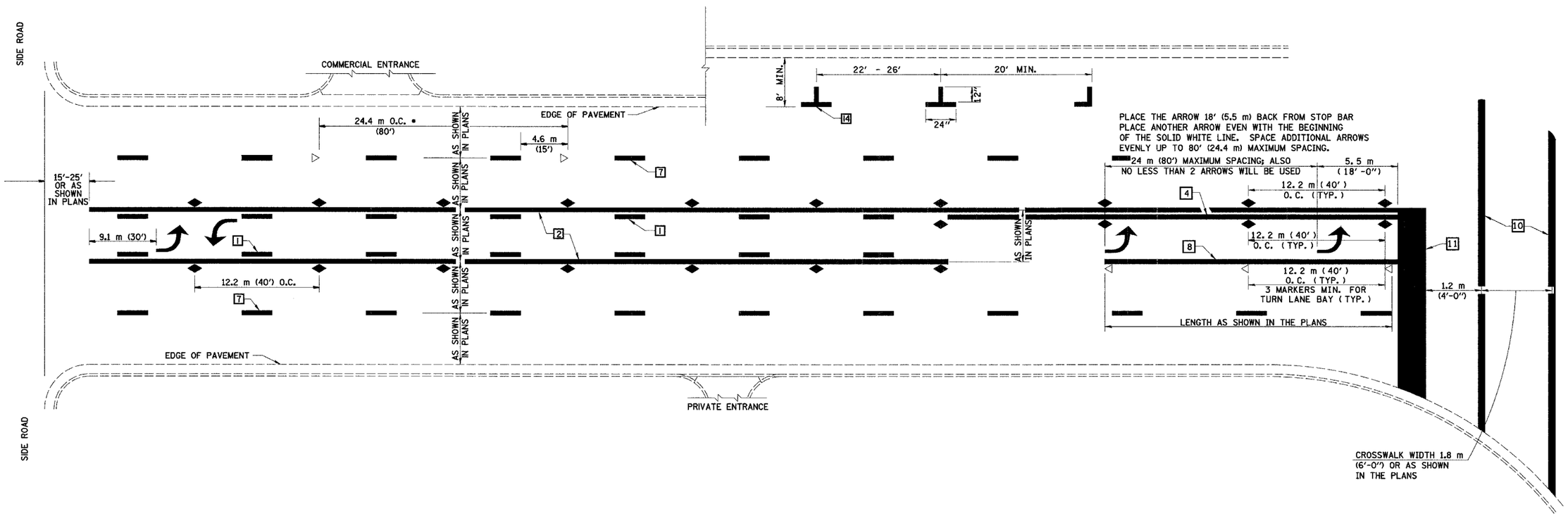
DRAWN BY: SRS CHECKED BY: MBF

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	28
STA. N/A	TO STA. N/A			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

PLAN — SURVEYED / DRAWN / ALIGNMENT CHECKED / P.I. & BEARINGS CHECKED / PLOT FILE NAME / NOTE BOOK / NO. — BY / DATE

TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



SPECIAL NOTES:

TURN ARROW PAIRS SHALL BE PLACED AT 75 m (250') INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.

THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.

THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ABOVE.

• REDUCE TO 12.2 METERS (40 FEET) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15 kph (10 MPH) LOWER THAN POSTED SPEEDS.

•• WHERE DOUBLE LANE LINE MARKERS ARE SPECIFIED, THEY SHALL BE SPACED AS SHOWN ABOVE.

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

	NAME	DATE
DESIGNED	J.M.H.	6/88
CHECKED	C.T.D.	6/88
CADD NO.	F-5.25	

SHEET 2 OF 3

REVISIONS	
NAME	DATE
G.A.M.	11/95
CHECKED D.L.P.	12/95

REVISIONS	
NAME	DATE
D.L.P.	8/97
GEOMETRICS	6/01

REVISIONS	
NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION

IDOT DISTRICT 5
CADD DETAILS

SCALE: N/A — DATE: 12/30/05

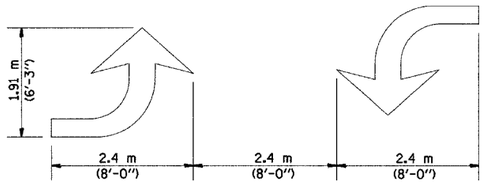
DRAWN BY: SRS — CHECKED BY: MBF

TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	29
STA. N/A	TO STA. N/A			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

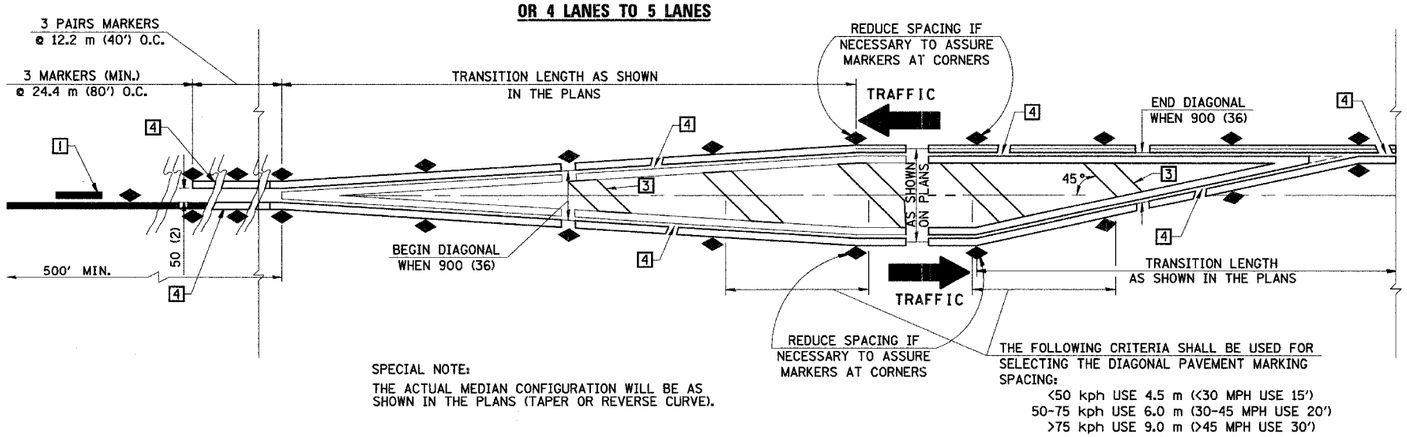
PLAN — SURVEYED — BY — DATE
DRAWN — BY — DATE
NOTE BOOK — ALIGNMENT CHECKED — BY — DATE
NO. — OF M.F.'s CHECKED — BY — DATE
CADD FILE NAME



TYPICAL DOUBLE TURN ARROWS (WHITE)

2 LANES TO 3 LANES OR 4 LANES TO 5 LANES

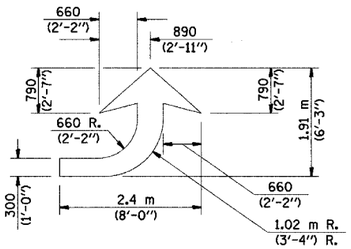
LEFT TURN LANE



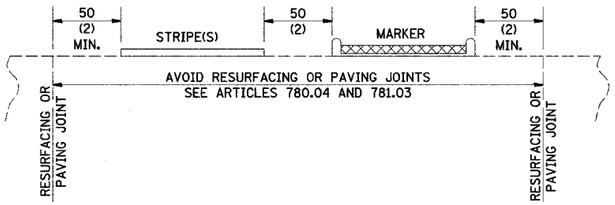
SPECIAL NOTE:
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).

THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:
<50 kph USE 4.5 m (<30 MPH USE 15')
50-75 kph USE 6.0 m (30-45 MPH USE 20')
>75 kph USE 9.0 m (>45 MPH USE 30')

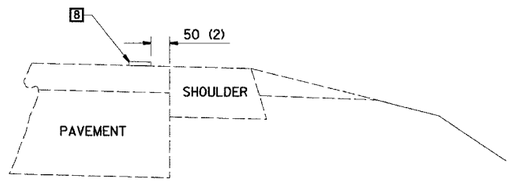
TYPICAL MEDIAN TRANSITIONS



LEFT ARROW
REVERSE FOR
RIGHT ARROW
AREA= 1.47 m^2 (15.6 SQ. FT.)
(WHITE)



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



RELATIONSHIP OF EDGE STRIPE TO SAFETY SHOULDER OR PAVED SURFACE

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SCALE: NONE
3. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
4. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
5. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
6. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
7. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
   < 50 kph USE 4.5 m (< 30 MPH USE 15')
   50-75 kph USE 6.0 m (30-45 MPH USE 20')
   > 75 kph USE 9.0 m (> 45 MPH USE 30')

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

	NAME	DATE
DESIGNED	J.M.H.	6/88
CHECKED	C.T.D.	6/88
CADD NO.	F-5.25	

SHEET 3 OF 3

REVISIONS	
NAME	DATE
G.A.M.	11/95
CHECKED D.L.P.	12/95

REVISIONS	
NAME	DATE
D.L.P.	8/97
GEOMETRICS	6/01

REVISIONS	
NAME	DATE

CITY OF DANVILLE, ILLINOIS
WINTER AVENUE RECONSTRUCTION

IDOT DISTRICT 5
CADD DETAILS

SCALE: N/A — DATE: 12/30/05
DRAWN BY: SRS — CHECKED BY: MBF

PERMANENT PAVEMENT MARKING SUMMARY

CODE NO.	ITEM	UNIT	QUANTITY
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	334
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1582
78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	25

LEGEND

PR. DOUBLE VERTICAL PANEL (BY OTHERS)

PR. SIGN ON PERMANENT SUPPORT (BY OTHERS)

PR. POLE & TRAFFIC SIGNAL HEAD (BY OTHERS)

N

ALL PAVEMENT MARKINGS ARE PAINT UNLESS OTHERWISE NOTED

0 20 40
1" = 20'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	30
STA. 97+00	TO STA. 109+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

PLAN — SURVEYED — DRAWN — ALIGNMENT CHECKED — PLANS CHECKED — CADD FILE NAME: — NOTE BOOK — NO. — BY — DATE

LANE LINE 4" WHITE - 54.0 FT

BEGIN PERMANENT STRIPING
STA. 102+36.00

STA. 99+51.76 WINTER AVE.
STA. 16+00.00 MONTEREY ST.

PR. FUTURE ℄ WINTER AVE.

EXIST. R.O.W.

PROP. T.E.

97 98 99 100+00 101 102

199 200+00 201 202

EXIST. R.O.W.

+00 +00 +15 +41 +46

ROAD CONSTRUCTION AHEAD

EX ℄ MONTEREY ST.

PR. FUTURE ℄ SIDEWALK

PROP. T.E.

ONE LANE ROAD AHEAD

PR. FUTURE ℄ BICYCLE PATH

+36

PROP. R.O.W.

CENTERLINE 2 @ 6" C-C
4" YELLOW - 118.0 FT

LANE LINE 4" WHITE - 64.0 FT

13+88

ROAD CONSTRUCTION AHEAD

L15+00

MATCHLINE 103+00 (WINTER AVENUE)

MATCHLINE 203+00 (BICYCLE PATH)

LANE LINE 4" WHITE - 251.2 FT

PR. FUTURE ℄ WINTER AVE.

EXIST. R.O.W.

CENTERLINE 2 @ 6" C-C
4" YELLOW - 30.0 FT

103 104 105+00 106 107 108

203 204 205+00 206 207 208

+90 +65 +15

PROP. R.O.W.

STOP LINE 24" WHITE - 14.8 FT

LANE LINE 4" WHITE - 251.2 FT

STOP HERE ON RED

EXIST. R.O.W.

PROP. T.E.

PR. ℄ INTERIM PAVEMENT

BRIDGE APPROACH PAVEMENT
STA. 105+51.20
END PAINT PAVEMENT MARKING
BEGIN PAVEMENT MARKING TAPE TYPE III

15527 21 15528 28

105+81.20

LANE LINE 4" WHITE TAPE - 167.0 FT

25' (TYP.)

15' 15'

106+88.20

LANE LINE 4" WHITE TAPE - 167.0 FT

LANE LINE 4" WHITE - 181.8 FT

PROP. T.E.

PROP. R.O.W.

EXIST. R.O.W.

LANE LINE 4" WHITE - 181.8 FT

PR. FUTURE ℄ BICYCLE PATH

BRIDGE APPROACH PAVEMENT
STA. 107+18.20
END PAVEMENT MARKING TAPE TYPE III
BEGIN PAINT PAVEMENT MARKING

MATCHLINE 209+00 (WINTER AVENUE)

MATCHLINE 209+00 (BICYCLE PATH)

ALL PAVEMENT MARKINGS ARE PAINT UNLESS OTHERWISE NOTED

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION
PROPOSED INTERIM TRAFFIC CONTROL PLAN/STRIPING
WINTER AVENUE/BICYCLE PATH
STA. 97+00 TO STA. 109+00

SCALE: 1" = 20' DATE: 12/30/05

DRAWN BY: SRS CHECKED BY: MBF

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	31
STA. 109+00	TO STA. 121+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

PLAN
SURVEYED
DRAWN
ALIGNMENT CHECKED
PLANS CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

LEGEND

- PR. DOUBLE VERTICAL PANEL (BY OTHERS)
- PR. SIGN ON PERMANENT SUPPORT (BY OTHERS)
- PR. POLE & TRAFFIC SIGNAL HEAD (BY OTHERS)

ALL PAVEMENT MARKINGS ARE PAINT UNLESS OTHERWISE NOTED

N

0 20 40
1" = 20'

MATCHLINE 109+00 (WINTER AVENUE)

MATCHLINE 209+00 (BICYCLE PATH)

STOP LINE 24" WHITE - 9.8 FT

LANE LINE 4" WHITE - 150.0 FT

STOP HERE ON RED

PROP. T.E.

ONE LANE ROAD AHEAD

PR. FUTURE ℄ WINTER AVE.

EXIST. R.O.W.

109 | 110+00 | 111 | 112 | 113 | 114

CENTERLINE 2 @ 6" C-C
4" YELLOW - 150.0 FT

209 | 210+00 | 211 | 212 | 213 | 214

LANE LINE 4" WHITE - 150.0 FT

PR. FUTURE ℄ BICYCLE PATH

PROP. T.E.

END PERMANENT STRIPING
STA. 110+50.00

MATCHLINE 115+00 (WINTER AVENUE)

MATCHLINE 215+00 (BICYCLE PATH)

ROAD CONSTRUCTION AHEAD

PROP. R.O.W.

EXIST. R.O.W.

PR. FUTURE ℄ WINTER AVE.

PROP. T.E.

115+00 | 116 | 117 | 118 | 119 | 120+00

EXIST. R.O.W.

215+00 | 216 | 217 | 218 | 219 | 220+00

PR. FUTURE ℄ BICYCLE PATH

PROP. T.E.

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION
PROPOSED INTERIM TRAFFIC CONTROL PLAN/STRIPING
WINTER AVENUE/BICYCLE PATH
STA. 109+00 TO STA. 121+00

SCALE: 1" = 20' DATE: 12/30/05

DRAWN BY: SRS CHECKED BY: MBF

BENCHMARK:

A chiseled "X" in a concrete pad.
B.M.-2 Sta. 98+91.22 , 14.51 Lt.
Elevation 609.28

EXISTING STRUCTURE:

Existing Str. No. 092-6009: PPC Deck Beams on Closed Concrete Abutments with Concrete Wingwalls.
±15'-0" O.-O. of Deck
±65'-0" Bk.-Bk. Abutments

PROPOSED STRUCTURE:

Single Span PPC Bulb-T beam shown below.
107'-0" Bk.-Bk. of Integral Abutments

STAGING

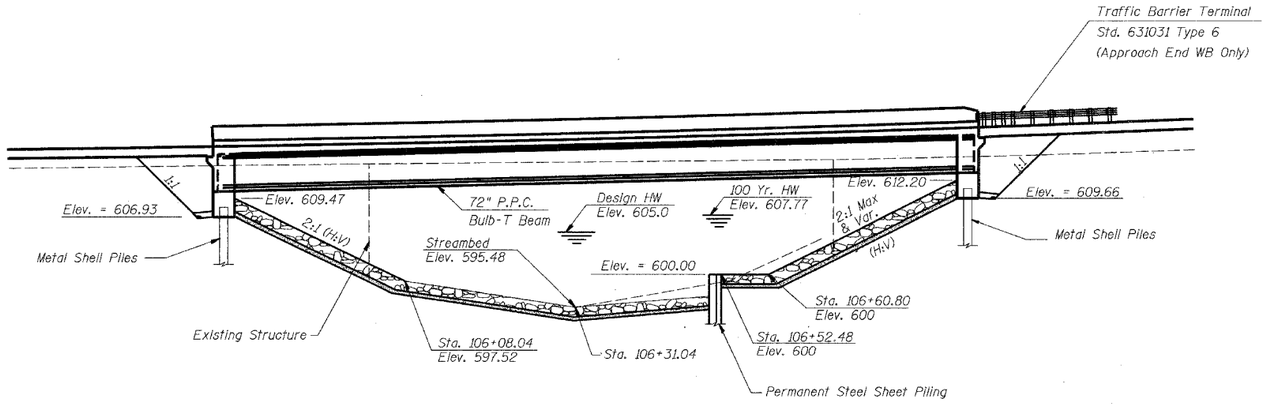
Road will be closed for construction.

SALVAGE

No Salvage.

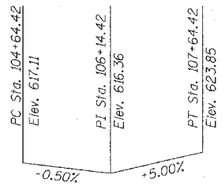
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	32
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

CONTRACT NO. 91356

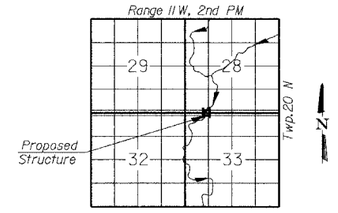


ELEVATION

Along ℄ Winter Ave.



PROFILE GRADE



LOCATION SKETCH

STONEY CREEK
BUILT 200 , BY
CITY OF DANVILLE
SECTION 99-00209-02-PV
STA. 106+34.70
STR. NO. 092-6033 LOADING HS-20

NAME PLATE

(See Std. 515001)

DESIGN SPECIFICATIONS

2002 AASHTO

LOADING HS20-44

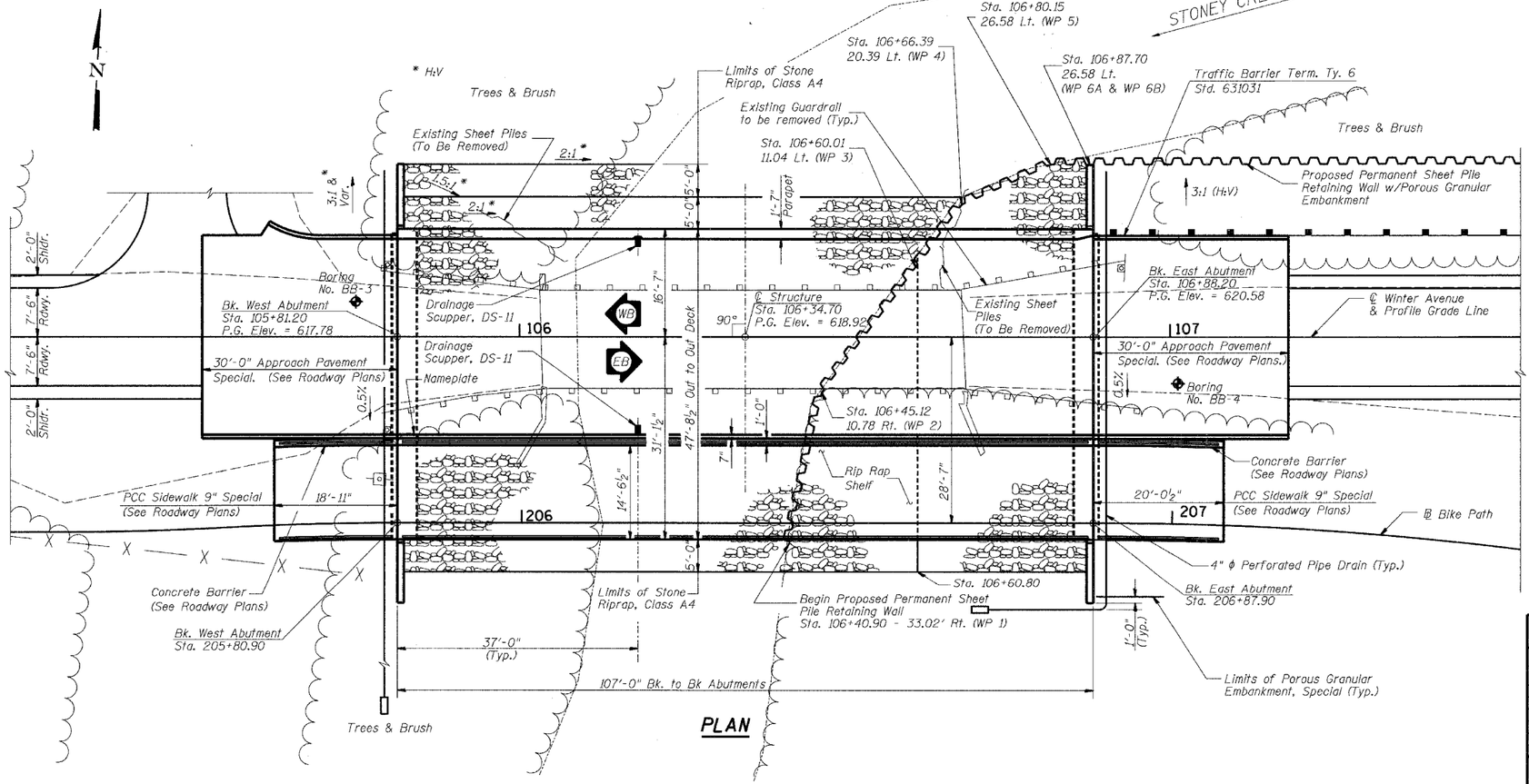
Allowed 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

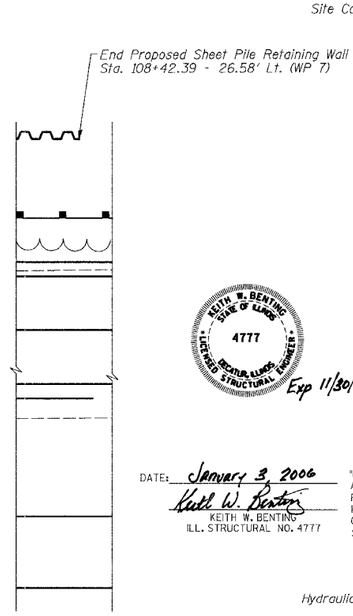
FIELD UNITS	PPC UNITS
f'c = 3,500 p.s.i.	f'ci = 5,000 p.s.i.
fy = 60,000 p.s.i.	f'c = 6,000 p.s.i.
n = 9	f's = 270,000 p.s.i.
	f'si = 189,000 p.s.i.

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.047
Site Coefficient (S) = 1.5



PLAN



KEITH W. BENTING
STATE OF ILLINOIS
4777
REGISTERED STRUCTURAL ENGINEER
Exp 11/30/2006

DATE: January 3, 2006
Keith W. Benting
KEITH W. BENTING
ILL. STRUCTURAL NO. 4777

"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 SPECIFICATIONS FOR HIGHWAY BRIDGES'."

Hydraulics approved based on Statewide Permit #12.

GENERAL PLAN AND ELEVATION

Date	Designed ACW	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	Sheet No. 1 of 21
Revisions	Drawn BKN		
	Checked KWB		
	Approved KWB		

Prepared by: URS 3040 North University Avenue Decatur, Il. 62526

URS Job No. 36430866

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	33
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

CONTRACT NO. 91356

GENERAL NOTES

Reinforcement bars shall conform to the requirements of AASHTO M31, M42, or M53 Grade 60.

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

Permanent Steel Sheet Piling shall be in place beneath bridge prior to placing superstructure.

The contractor shall drive a 14" Metal Shell test pile in each of the following permanent locations as directed by the Engineer before ordering the remainder of piles:

- one (1) 14" ϕ Metal Shell - West Abutment
- one (1) 14" ϕ Metal Shell - East Abutment

The 9" thick bicycle path shall be placed AFTER the full width 7½" thick bridge deck is composite.

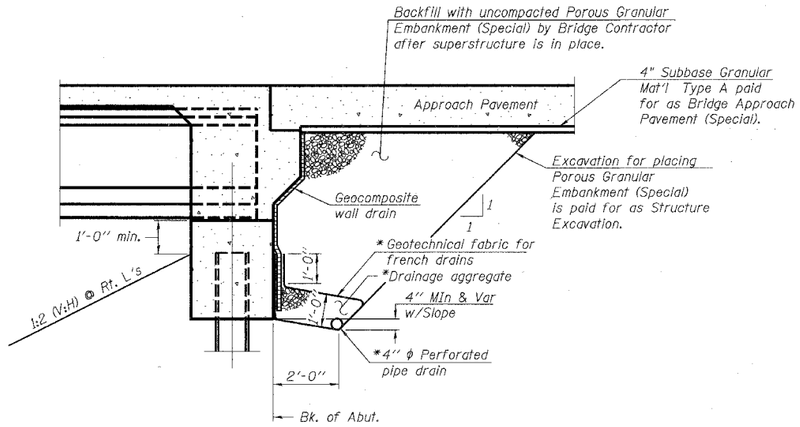
The cost of removing and disposal of the existing sheet piling shall be included in Channel Excavation.

All construction joints shall be bonded.

Reinforcement bars designated (E) shall be epoxy coated.

Place a minimum width of two (2) feet of Porous Granular Embankment along the roadway face of sheet piling from Back of East Abutment to WP 7 where fill is required. Cost included in Permanent Steel Sheet Piling.

An aluminum tablet of the type shown on Standard 667101 shall be placed on the proposed structure as directed by the Engineer. The bench mark elevation will be established and marked by the City of Danville with the City's desired logo or emblem. This work shall be paid for at the contract unit price Each for Permanent Bench Marks, Type I.



SECTION THRU INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. L's)

* Included in the cost of Pipe Underdrains for Structures.

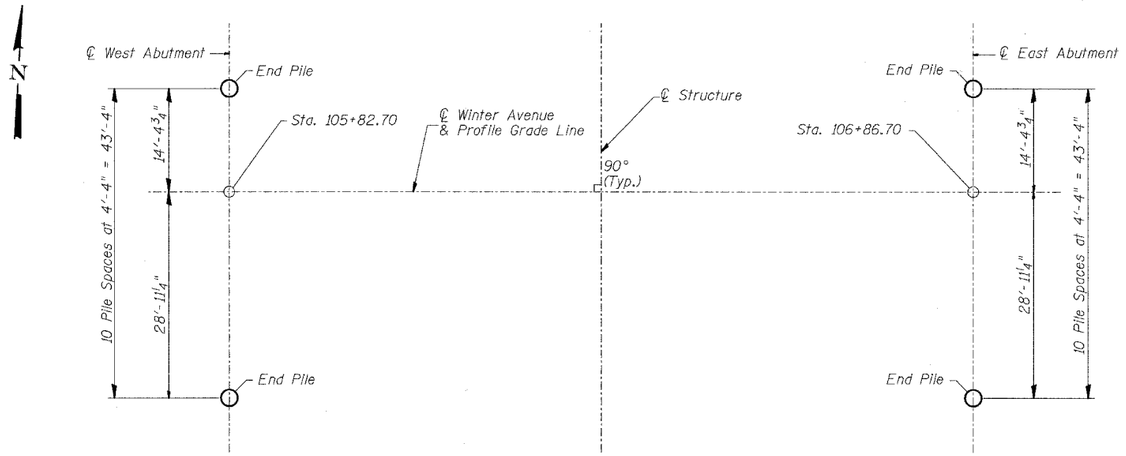
Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes or as shown. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

INDEX OF SHEETS

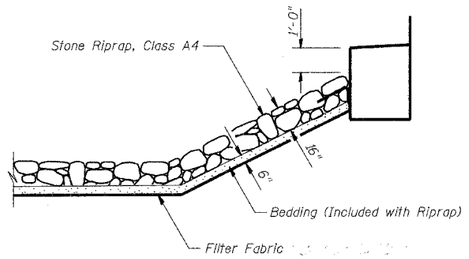
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.		1,148	1,148
Porous Granular Embankment	Cu. Yd.		142	142
Porous Granular Embankment, Special	Cu. Yd.		333	333
Stone Riprap, Class A4	Sq. Yd.		716	716
Filter Fabric	Sq. Yd.		716	716
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		403	403
Concrete Structures	Cu. Yd.		53.1	53.1
Concrete Superstructure	Cu. Yd.	279.9		279.9
Bridge Deck Grooving	Sq. Yd.	333		333
Protective Coat	Sq. Yd.	642		642
F & E P.P.C Bulb T-Beams, 72"	Foot	632.0		632.0
Furnishing & Erecting Structural Steel	Pound		4,670	4,670
Reinforcement Bars, Epoxy Coated	Pound	41,330	7,660	48,990
Furnishing Metal Pile Shells 14"	Foot		1,060	1,060
Driving and Filling Shells	Foot		1,060	1,060
Test Pile Metal Shells	Each		2	2
Permanent Steel Sheet Piling	Sq. Ft.		5,763	5,763
Name Plates	Each	1		1
Drainage Scuppers, DS-11	Each	2		2
Geocomposite Wall Drain	Sq. Yd.		136	136
Pipe Underdrains for Structure 4"	Foot		202	202
Bar Splicers	Each	94		94
Bicycle Railing	Foot	107		107
Permanent Bench Marks, Type I	Each		1	1

• Cost of Porous Granular Embankment is included in Permanent Steel Sheet Piling.



SUBSTRUCTURE LAYOUT



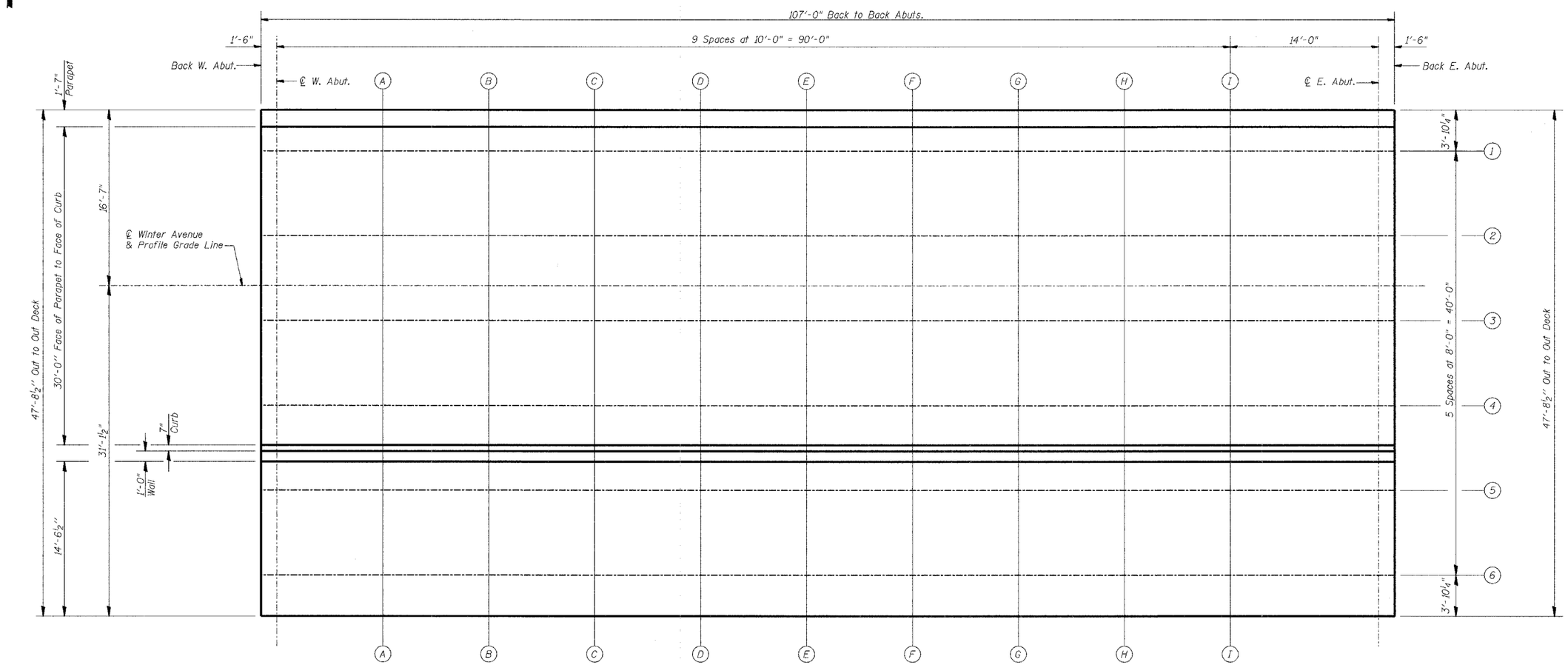
STONE RIPRAP DETAIL

GEN. NOTES, TOTAL BILL OF MATERIAL & DETAILS

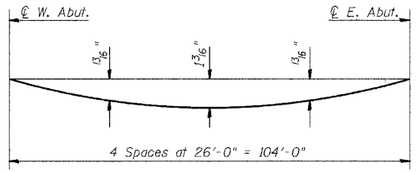
Date / Revisions	Designed ACW Drawn BKN Checked KWB Approved KWB	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	Sheet No. 2 of 21
Prepared by: URS 3040 North University Avenue, Decatur, Il. 62526			URS Job No. 36430866

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	34
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

CONTRACT NO. 91356



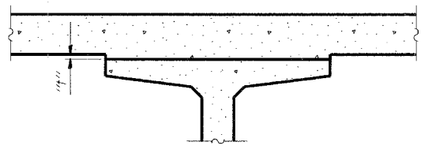
PLAN



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete, excluding beams).

Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on the following sheet.



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

FILLET HEIGHTS

TOP OF SLAB ELEVATIONS

Date	Designed ACW	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	Sheet No. 3 of 21
Revisions	Drawn BKN		
	Checked KWB		
	Approved KWB		
Prepared by: URS	3040 North University Avenue Decatur, Il. 62526		URS Job No. 36430866

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	35
FED. ROAD DIST. NO.		ILLINOIS	PROJECT	

CONTRACT NO. 91356

BEAM 1

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. OF W. ABUT.	105+81.20	-12.73	617.58	617.58
CL W. ABUT.	105+82.70	-12.73	617.60	617.60
A	105+92.70	-12.73	617.78	617.81
B	106+02.70	-12.73	617.97	618.03
C	106+12.70	-12.73	618.19	618.26
D	106+22.70	-12.73	618.42	618.51
E	106+32.70	-12.73	618.67	618.76
F	106+42.70	-12.73	618.93	619.03
G	106+52.70	-12.73	619.22	619.30
H	106+62.70	-12.73	619.52	619.59
I	106+72.70	-12.73	619.85	619.89
CL E. ABUT.	106+86.70	-12.73	620.33	620.33
BK. OF E. ABUT	106+88.20	-12.73	620.38	620.38

BEAM 2

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. OF W. ABUT.	105+81.20	-4.73	617.70	617.70
CL W. ABUT.	105+82.70	-4.73	617.73	617.73
A	105+92.70	-4.73	617.90	617.93
B	106+02.70	-4.73	618.10	618.15
C	106+12.70	-4.73	618.31	618.39
D	106+22.70	-4.73	618.54	618.63
E	106+32.70	-4.73	618.79	618.89
F	106+42.70	-4.73	619.06	619.15
G	106+52.70	-4.73	619.34	619.43
H	106+62.70	-4.73	619.65	619.71
I	106+72.70	-4.73	619.97	620.01
CL E. ABUT.	106+86.70	-4.73	620.45	620.45
BK. OF E. ABUT	106+88.20	-4.73	620.51	620.51

℄ WINTER AVENUE & PROFILE GRADE LINE

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. OF W. ABUT.	105+81.20	0.00	617.78	617.78
CL W. ABUT.	105+82.70	0.00	617.80	617.80
A	105+92.70	0.00	617.98	618.01
B	106+02.70	0.00	618.17	618.23
C	106+12.70	0.00	618.38	618.46
D	106+22.70	0.00	618.62	618.71
E	106+32.70	0.00	618.86	618.96
F	106+42.70	0.00	619.13	619.23
G	106+52.70	0.00	619.42	619.50
H	106+62.70	0.00	619.72	619.79
I	106+72.70	0.00	620.05	620.09
CL E. ABUT.	106+86.70	0.00	620.53	620.53
BK. OF E. ABUT	106+88.20	0.00	620.58	620.58

BEAM 3

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. OF W. ABUT.	105+81.20	3.27	617.73	617.73
CL W. ABUT.	105+82.70	3.27	617.75	617.75
A	105+92.70	3.27	617.93	617.96
B	106+02.70	3.27	618.12	618.18
C	106+12.70	3.27	618.33	618.41
D	106+22.70	3.27	618.56	618.66
E	106+32.70	3.27	618.81	618.91
F	106+42.70	3.27	619.08	619.18
G	106+52.70	3.27	619.37	619.45
H	106+62.70	3.27	619.67	619.74
I	106+72.70	3.27	619.99	620.04
CL E. ABUT.	106+86.70	3.27	620.48	620.48
BK. OF E. ABUT	106+88.20	3.27	620.53	620.53

BEAM 4

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. OF W. ABUT.	105+81.20	11.27	617.60	617.60
CL W. ABUT.	105+82.70	11.27	617.62	617.62
A	105+92.70	11.27	617.80	617.83
B	106+02.70	11.27	618.00	618.05
C	106+12.70	11.27	618.21	618.29
D	106+22.70	11.27	618.44	618.53
E	106+32.70	11.27	618.69	618.79
F	106+42.70	11.27	618.96	619.05
G	106+52.70	11.27	619.24	619.33
H	106+62.70	11.27	619.55	619.61
I	106+72.70	11.27	619.87	619.91
CL E. ABUT.	106+86.70	11.27	620.35	620.35
BK. OF E. ABUT	106+88.20	11.27	620.41	620.41

BEAM 5

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. OF W. ABUT.	105+81.20	19.27	617.62	617.62
CL W. ABUT.	105+82.70	19.27	617.65	617.65
A	105+92.70	19.27	617.82	617.85
B	106+02.70	19.27	618.02	618.07
C	106+12.70	19.27	618.23	618.31
D	106+22.70	19.27	618.46	618.55
E	106+32.70	19.27	618.71	618.81
F	106+42.70	19.27	618.98	619.07
G	106+52.70	19.27	619.26	619.35
H	106+62.70	19.27	619.57	619.63
I	106+72.70	19.27	619.89	619.93
CL E. ABUT.	106+86.70	19.27	620.37	620.37
BK. OF E. ABUT	106+88.20	19.27	620.43	620.43

BEAM 6

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
BK. OF W. ABUT.	105+81.20	27.27	617.79	617.79
CL W. ABUT.	105+82.70	27.27	617.81	617.81
A	105+92.70	27.27	617.99	618.02
B	106+02.70	27.27	618.18	618.24
C	106+12.70	27.27	618.39	618.47
D	106+22.70	27.27	618.63	618.72
E	106+32.70	27.27	618.88	618.97
F	106+42.70	27.27	619.14	619.24
G	106+52.70	27.27	619.43	619.51
H	106+62.70	27.27	619.73	619.80
I	106+72.70	27.27	620.06	620.10
CL E. ABUT.	106+86.70	27.27	620.54	620.54
BK. OF E. ABUT	106+88.20	27.27	620.59	620.59

TOP OF SLAB ELEVATIONS

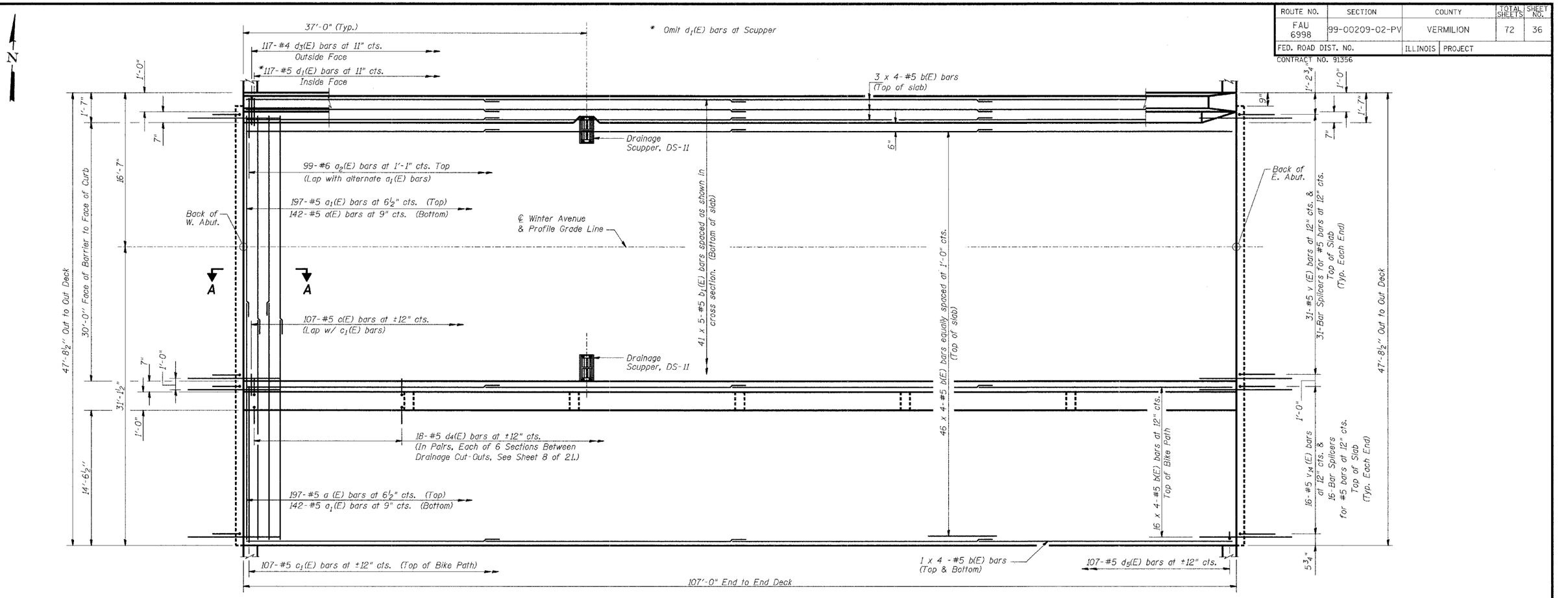
Date	Designed ACW	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	Sheet No. 4 of 21
Revisions	Drawn BKN		
	Checked KWB		
	Approved KWB		

Prepared by: URS 3040 North University Avenue Decatur, Il. 62526

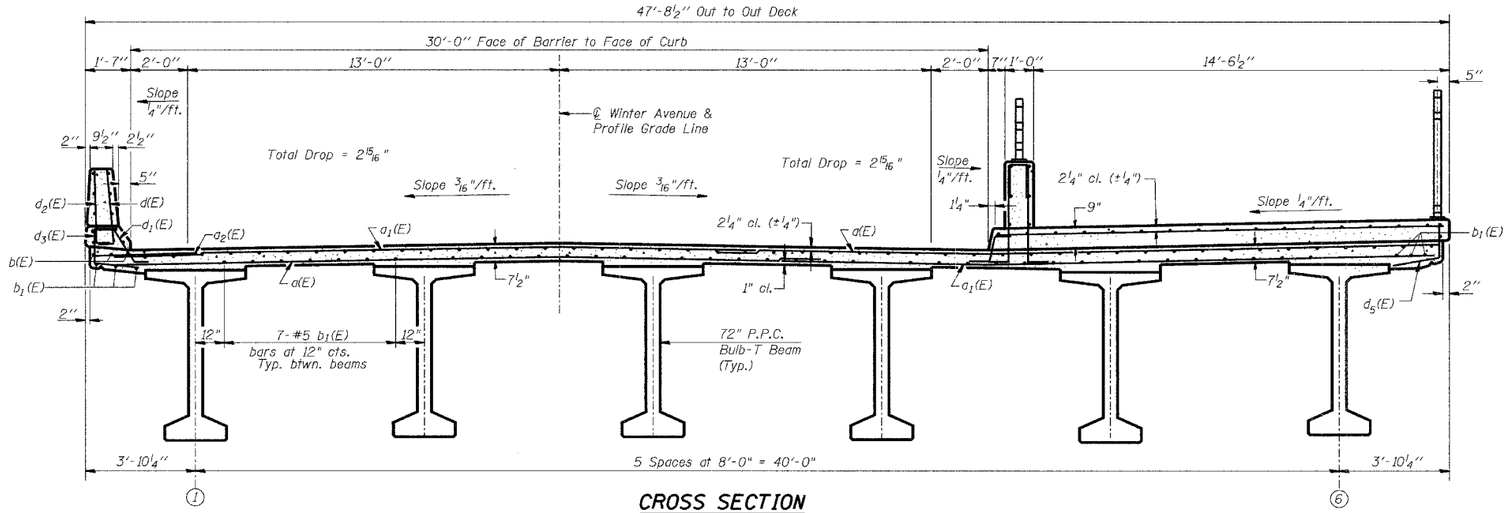
URS Job No. 36430866

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	36
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

CONTRACT NO. 91356



PLAN OF DECK



CROSS SECTION

(Looking East)

MIN. BAR LAP

#5 = 1'-8"
#6 = 2'-9"

Notes:

See sheet 8 of 21 for Bill of Material.

See sheet 6 of 21 for Section A-A.

Reinforcement bars designated (E) shall be epoxy coated.

Bars indicated thus 46 x 4-#5 etc. indicates 46 lines of bars with 4 lengths per line.

For additional reinforcement at drainage scuppers, see sheets 7 & 8 of 21.

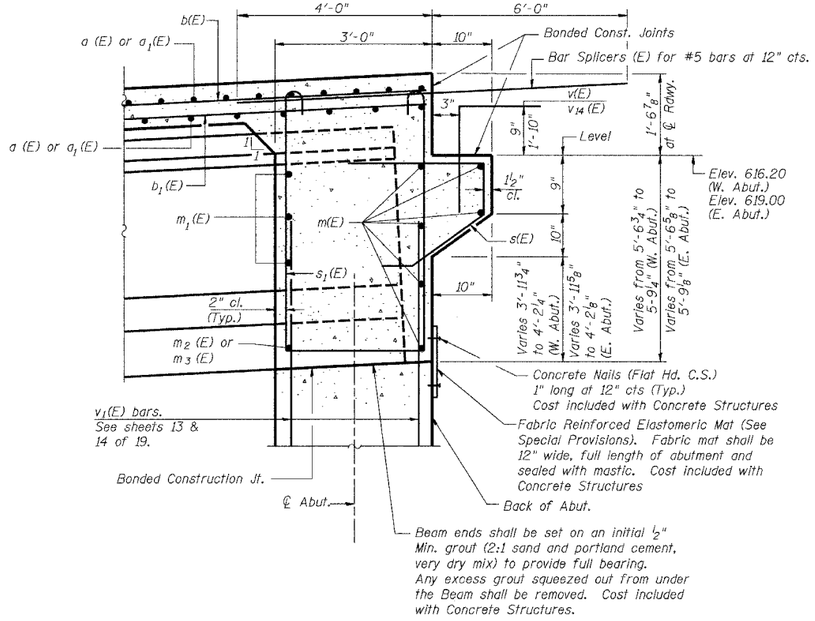
Field bend a (E) & a_1(E) bars to fit slope of deck.

SUPERSTRUCTURE

Date	Designed ACW	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	Sheet No. 5 of 21
Revisions	Drawn BKN		
	Checked KWB		
	Approved KWB		
Prepared by: URS	3040 North University Avenue Decatur, Il. 62526		URS Job No. 36430866

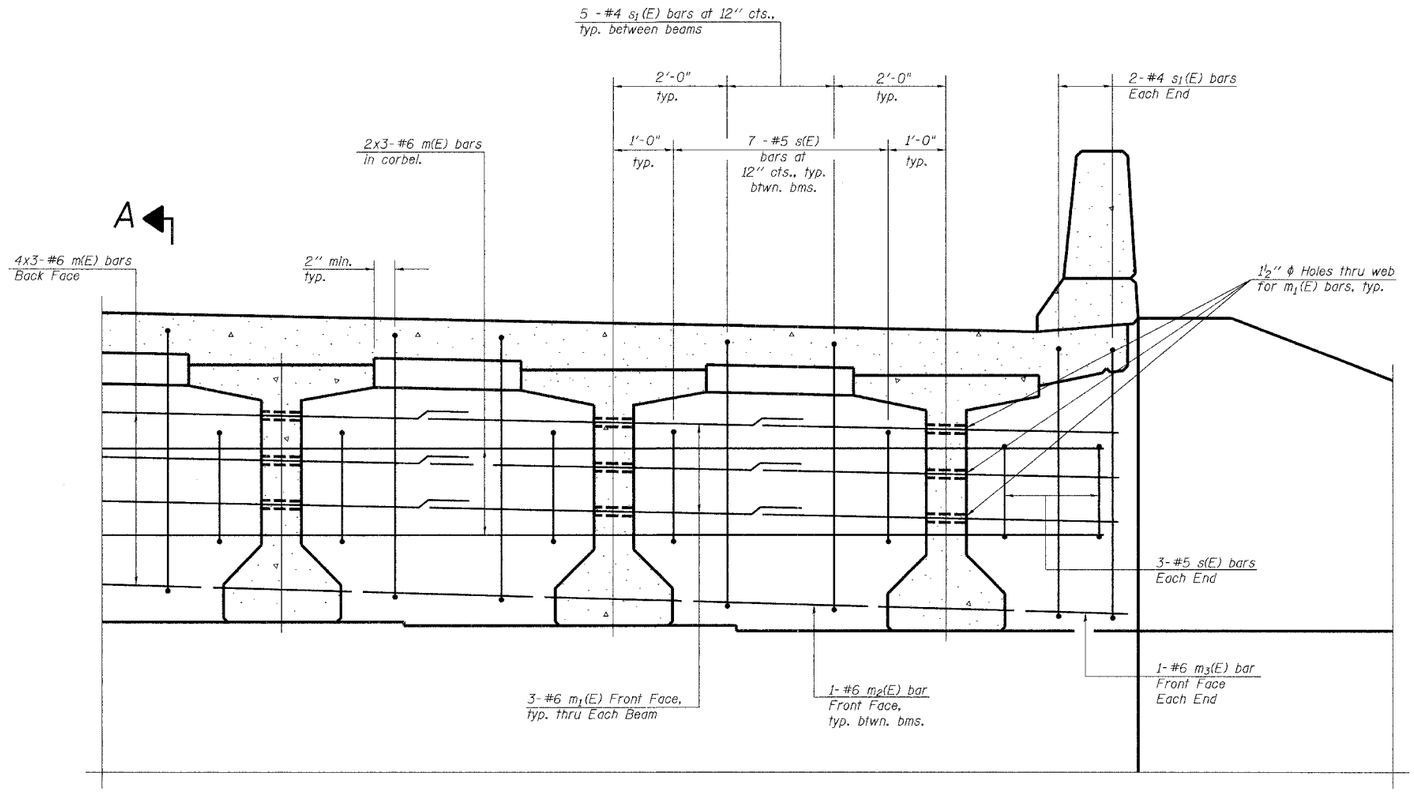
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	37
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

CONTRACT NO. 91356



SECTION A-A

Dimensions at right angles to abutment, except as shown.



DIAPHRAGM ELEVATION AT ABUTMENT

MIN. BAR LAP

#6 bar = 2'-9"

Note:

See sheet 8 of 21 for Bill of Material.

DIAPHRAGM DETAILS

Date	Designed ACW	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	Sheet No. 6 of 21
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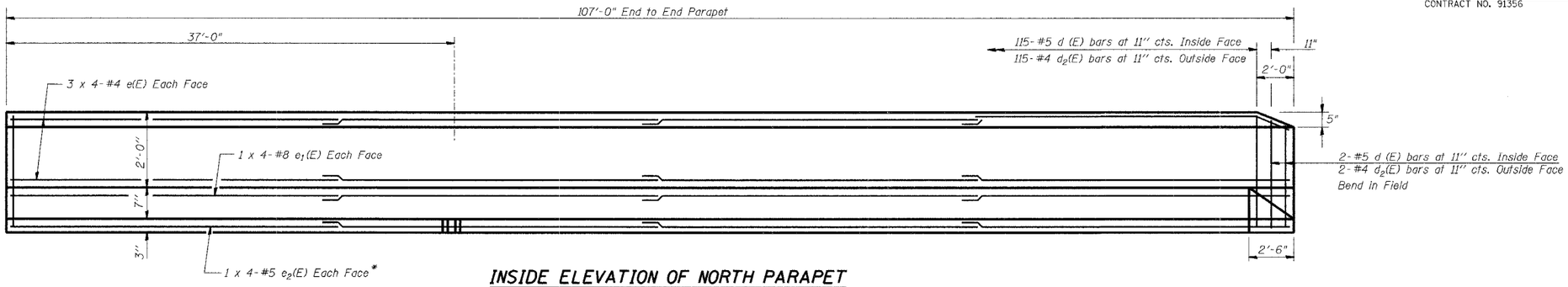
	Checked KWB		
	Approved KWB		
Prepared by: URS 3040 North University Avenue Decatur, Il. 62526			URS Job No. 36430866

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	38
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

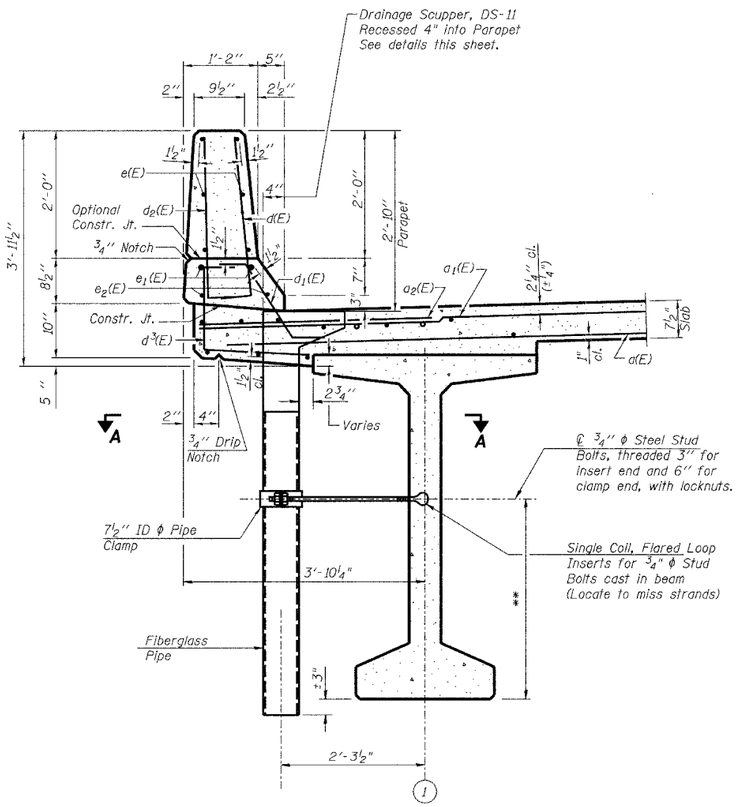
CONTRACT NO. 91356



INSIDE ELEVATION OF NORTH PARAPET

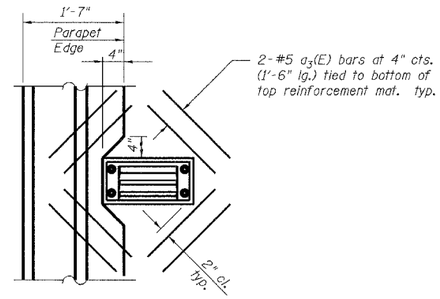
(Looking North)

* Cut $e_2(E)$ bar in Front Face at Recess



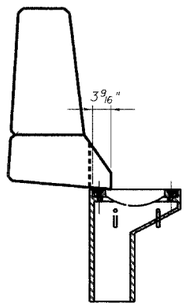
SECTION THRU PARAPET

**For insert locations see Sht. 11 of 21.



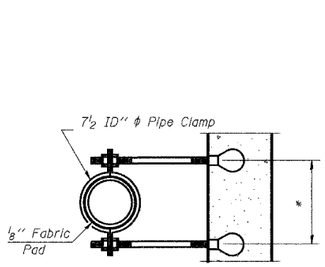
REINFORCEMENT PLAN AT DS-11 SCUPPERS

(North Parapet)



SECTION THRU PARAPET AT DS-11 SCUPPERS

(North Parapet)

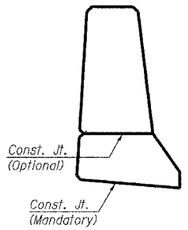


*Dimension as required by Pipe Clamp

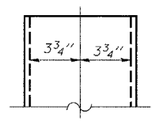
SECTION A-A

MIN. BAR LAP

#4 = 1'-4"
#5 = 1'-8"
#8 = 3'-5"



PARAPET JOINT DETAIL



FIBERGLASS PIPE

Notes:

Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.

The clamping device and inserts shall be galvanized according to AASHTO M 232.

SUPERSTRUCTURE DETAILS

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Revisions	Drawn BKN		
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	Approved KWB		
Prepared by: URS	3040 North University Avenue Decatur, Il. 62526		URS Job No. 36430866

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	39
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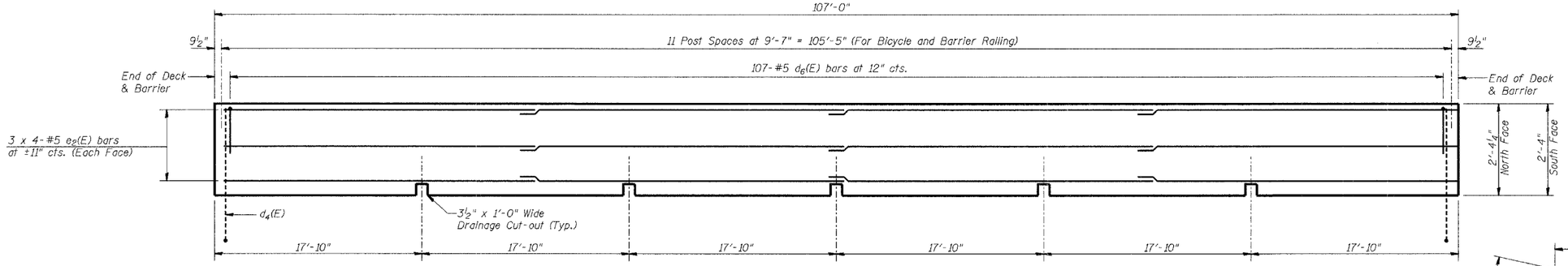
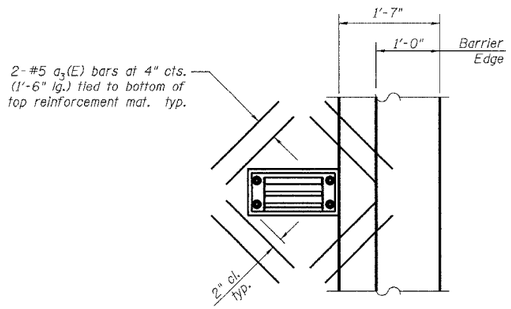
CONTRACT NO. 91356



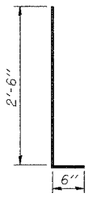
ELEVATION OF SOUTH BARRIER

(Looking South)

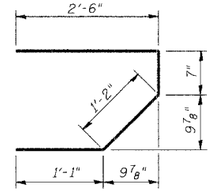


REINFORCEMENT PLAN AT DS-11 SCUPPERS

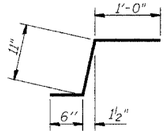
(South Barrier)



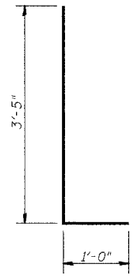
BARS d(E) & d2(E)



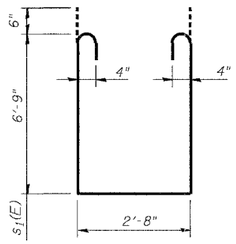
BAR s(E)



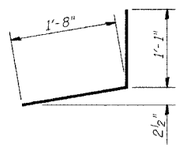
BAR c(E)



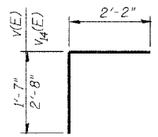
BAR d4(E)



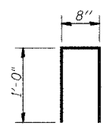
BAR s1(E)



BAR d5(E)



BARS v(E) & v14(E)



BAR d6(E)

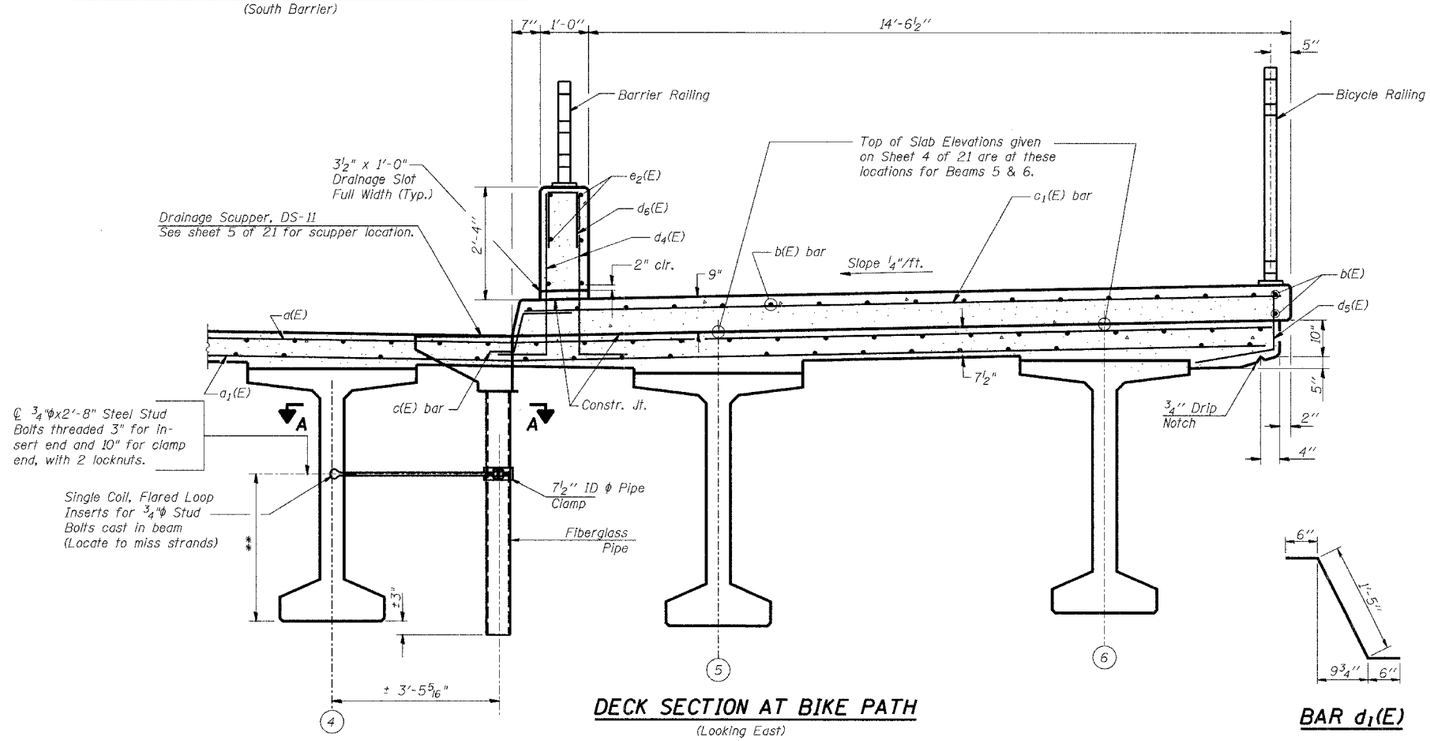
MIN. BAR LAP

#4 = 1'-4"
#5 = 1'-8"
#8 = 3'-5"

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	339	#5	24'-11"	
a1(E)	339	#5	23'-1"	
a2(E)	99	#6	6'-6"	
a3(E)	16	#5	1'-6"	
b(E)	268	#5	27'-11"	
b1(E)	205	#5	22'-8"	
c(E)	107	#5	2'-5"	
c1(E)	107	#5	15'-8"	
d(E)	117	#5	3'-0"	
d1(E)	117	#5	2'-5"	
d2(E)	117	#4	3'-0"	
d3(E)	117	#4	3'-4"	
d4(E)	216	#5	4'-5"	
d5(E)	107	#5	2'-9"	
d6(E)	107	#5	2'-8"	
* d10(E)	108	#5	2'-6"	
* d11(E)	216	#5	2'-3"	
e(E)	24	#4	27'-8"	
e1(E)	8	#8	29'-3"	
e2(E)	32	#5	27'-11"	
m(E)	36	#6	17'-9"	
m1(E)	36	#6	10'-9"	
m2(E)	10	#6	5'-2"	
m3(E)	4	#6	2'-2"	
s(E)	82	#5	5'-4"	
s1(E)	58	#4	17'-2"	
v(E)	62	#5	3'-9"	
v14(E)	32	#5	4'-10"	
Reinforcement Bars, Epoxy Coated		Pound	41,330	
Concrete Superstructure		Cu. Yds.	279.9	
Protective Coat		Sq. Yds.	642	
Bar Splicers		Each	94	

* See Sht. 11 of 21 for location.

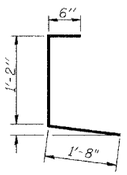


DECK SECTION AT BIKE PATH

(Looking East)

**For insert locations see Sht. 11 of 21.

BAR d1(E)



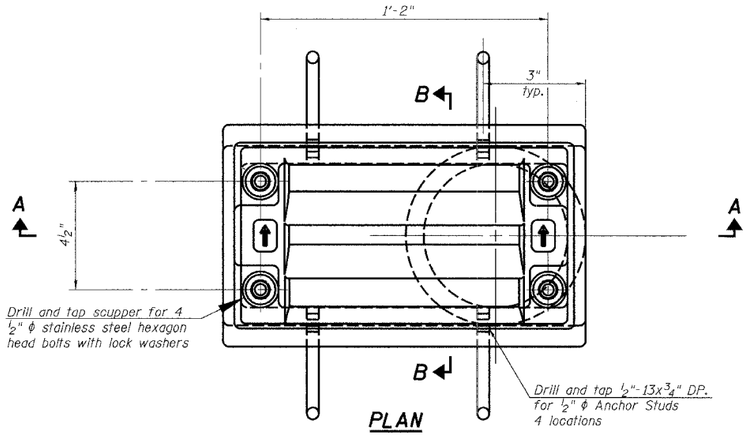
BAR d3(E)

SUPERSTRUCTURE DETAILS

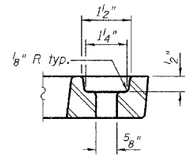
Date	Designed ACW	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	Sheet No. 8 of 21
Revisions	Drawn BKN		
	Checked KWB		
	Approved KWB		
Prepared by: URS	3040 North University Avenue Decatur, Il. 62526		URS Job No. 36430866

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	40
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

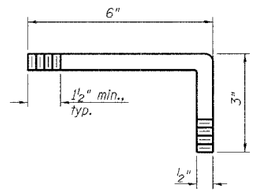
CONTRACT NO. 91356



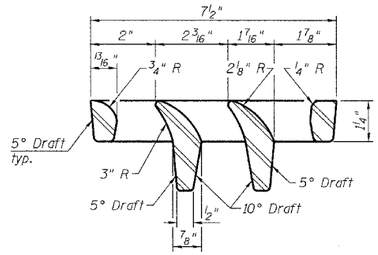
PLAN



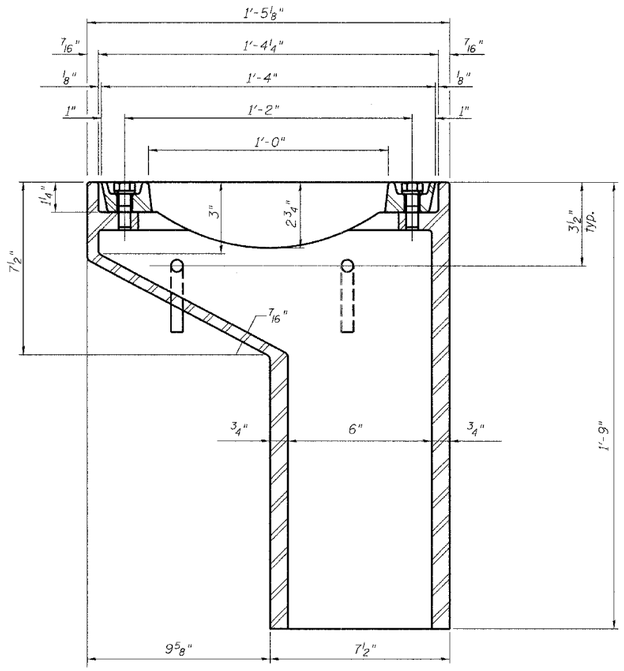
BOLT HOLE DETAIL



ANCHOR STUD DETAIL

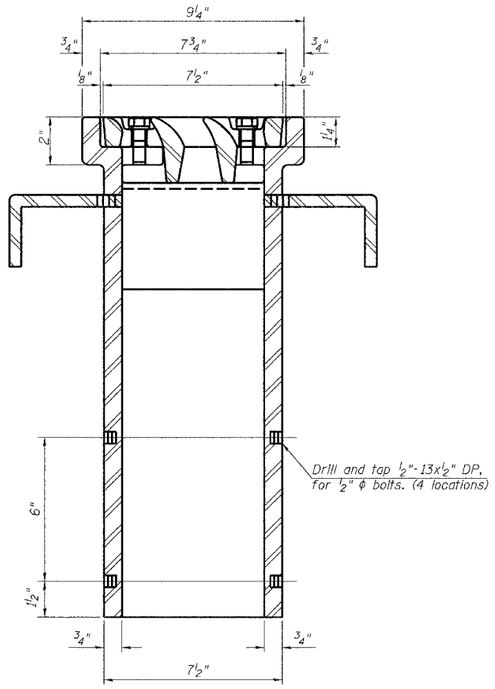


VANE GRATE DETAIL



SECTION A-A

See sheets 7 & 8 of 21 for scupper location relative to parapet & barrier.



SECTION B-B

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.

The grate, frame and downspout shall be galvanized according to AASHTO M 111 and ASTM A 385. 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 cast iron. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval.

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.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-11	Each	2

DRAINAGE SCUPPER, DS-11

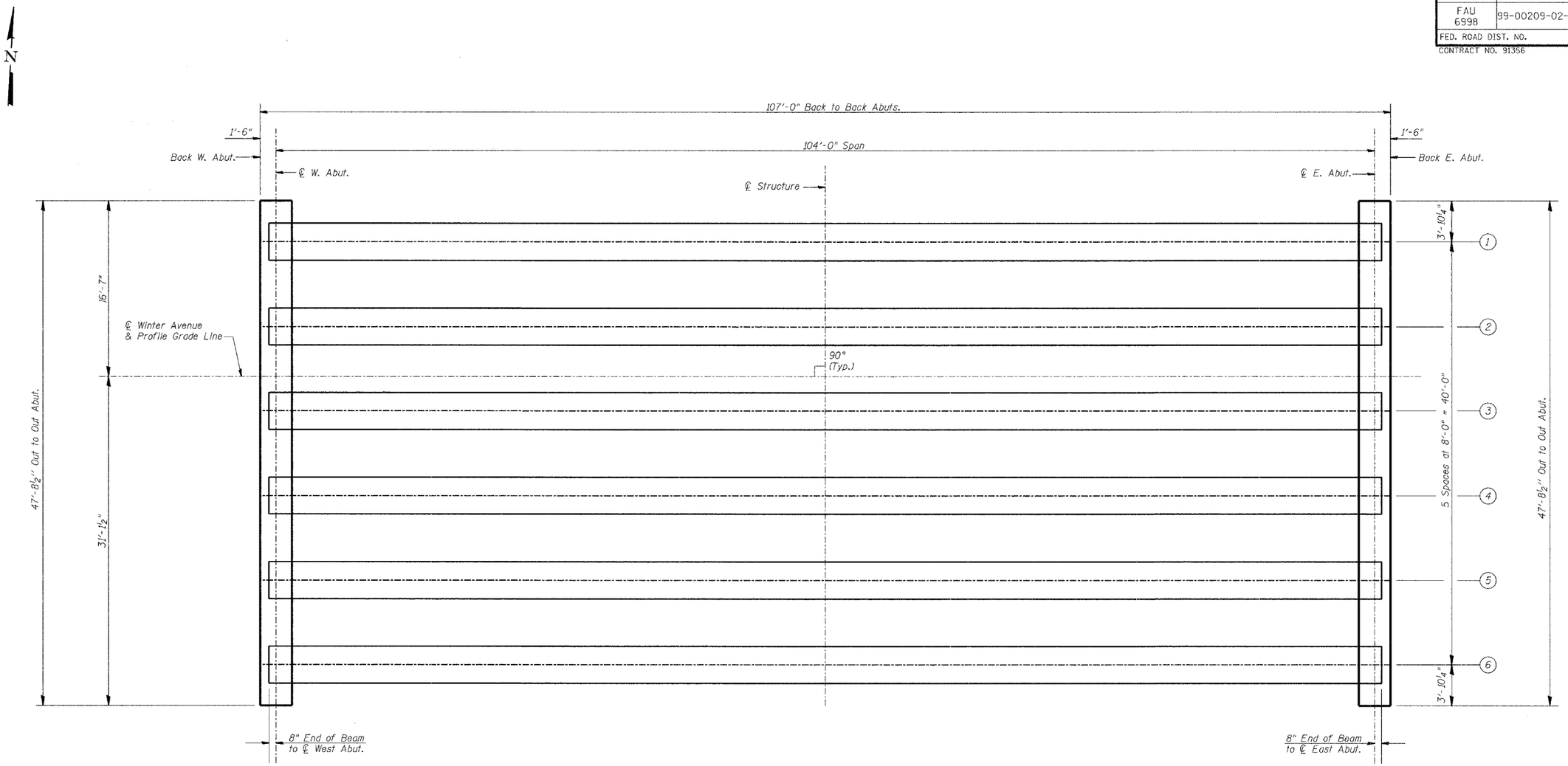
Date	Designed	ACW	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	Sheet No. 9 of 21
Revisions	Drawn	BKN		
	Checked	KWB		
	Approved	KWB		

Prepared by: URS 3040 North University Avenue Decatur, Il. 62526

URS Job No. 36430866

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	41
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

CONTRACT NO. 91356



FRAMING PLAN

INTERIOR BEAM MOMENT TABLE		0.5 Span
I	(in^4)	545894
I'	(in^4)	1039373
S_b	(in^3)	14915
$S_{b'}$	(in^3)	19630
S_t	(in^3)	15421
$S_{t'}$	(in^3)	54555
w_{ℓ}	(k/')	1.71
M_{ℓ}	(k')	2316
s_{ℓ}	(k/')	0.83
$M_{s\ell}$	(k')	1129
M_L	(k')	1161
M (Imp)	(k')	253
M_u	(k')	7543
M_{cap}	(k')	8749

INTERIOR BEAM REACTION TABLE		E. & W. Abuts.
R_{ℓ}	(k)	89
$R_{s\ell}$	(k)	43
R_L	(k)	49
Imp.	(k)	11
R (Total)	(k)	192

I and I' are the moment of inertia and composite moment of inertia of the beam section.

S_b and $S_{b'}$ are the non-composite and composite section modulus for the bottom fiber of the prestressed beam.

S_t and $S_{t'}$ are the non-composite and composite section modulus for the top fiber of the prestressed beam.

M_{ℓ} is the moment due to dead loads on the non-composite prestressed beam. It is conservatively calculated at 0.5 of the span.

$M_{s\ell}$ is the moment due to dead loads on the composite section.

M_L is the moment due to live load on the composite section.

M (Imp) is the moment due to live load impact on the composite section.

FRAMING PLAN

Date	Designed ACW	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	Sheet No. 10 of 21
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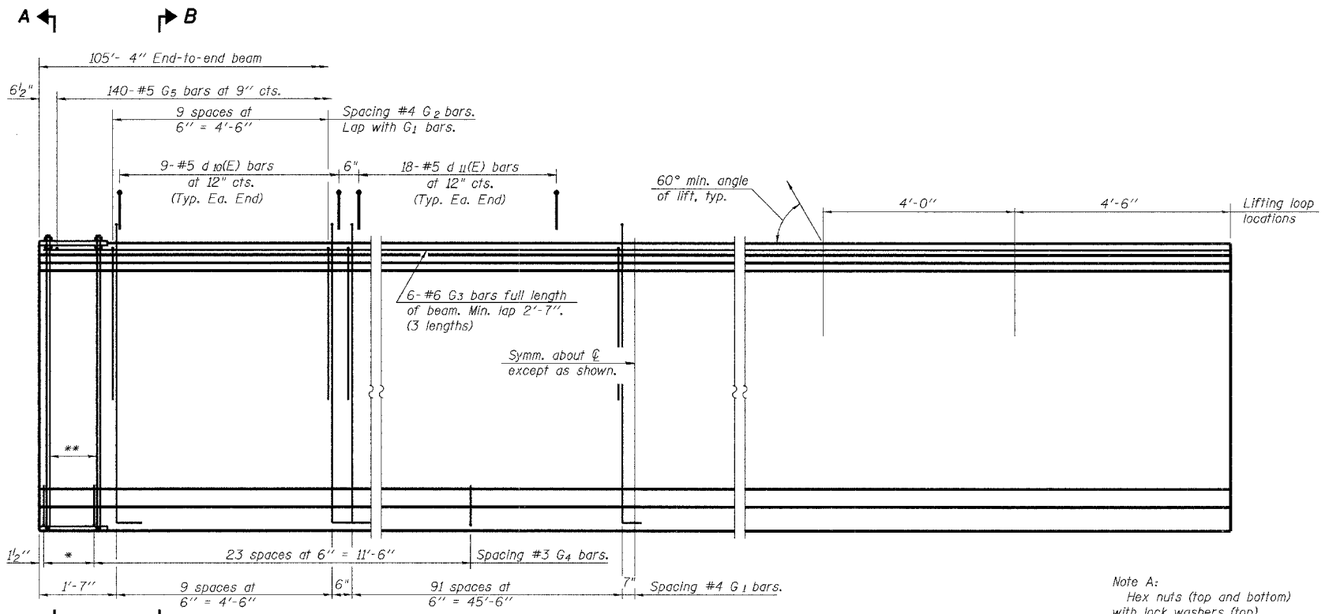
Prepared by: URS 3040 North University Avenue Decatur, Il. 62526			URS Job No. 36430866

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	42
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

CONTRACT NO. 91356

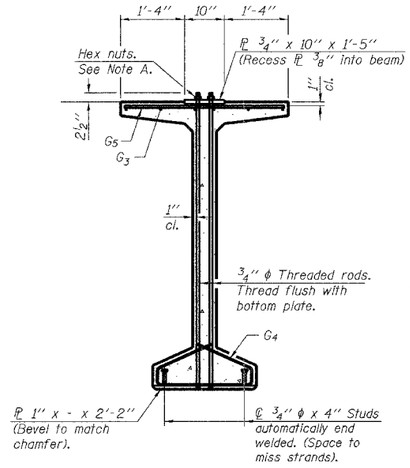


* 4 spaces at 3¼" = 1'-1".
** 5-¾" ϕ threaded dowel rods at 3¼" cts., each face.

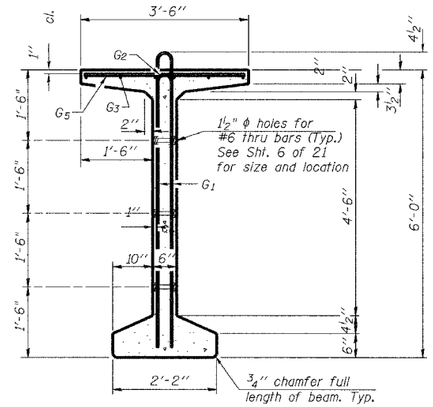
ELEVATION OF BEAM

(Showing reinforcement & dimensions)

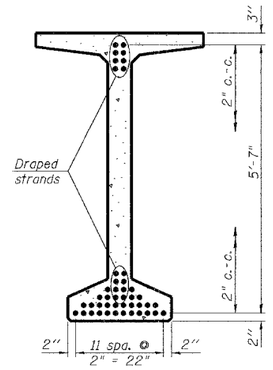
Note A:
Hex nuts (top and bottom) with lock washers (top). Only tighten sufficiently to compress lock washers.



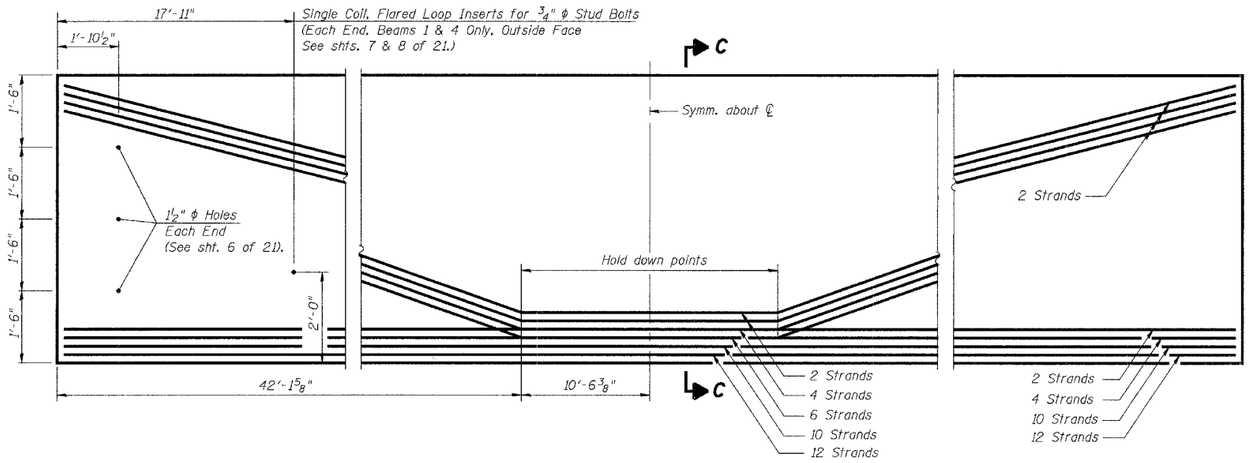
SECTION A-A



SECTION B-B



SECTION C-C



ELEVATION OF BEAM

(Showing Prestressing Steel)

BAR LIST
ONE BEAM ONLY

Bar	No.	Size	Length	Shape
G_1	204	#4	13'-5"	
G_2	20	#4	7'-0"	
G_3	18	#6	36'-9"	
G_4	56	#3	4'-11"	
G_5	140	#5	3'-4"	

Notes:
See sheet 12 of 21 for additional details and Bill of Material.
Required release strength, f'ci, shall be 5000 psi.

PPC BULB-T BEAM

Date	Designed ACW	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	Sheet No. 11 of 21
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Prepared by: URS	3040 North University Avenue Decatur, Il. 62526		URS Job No. 36430866

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FAU 6998	99-00209-02-PV	VERMILION	72	43
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CONTRACT NO. 91356

NOTES

Inserts for $\frac{3}{4}''$ ϕ threaded dowel rods, when specified, are to be two strut, coil type for interior beams and single coil, flared loop type for exterior beams.

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270.

The nominal diameter shall be $\frac{1}{2}''$ and the nominal cross-sectional area shall be 0.153 sq. in.

Non-prestressing steel shall conform to AASHTO designation M-31 or M 322, Grade 60.

A minimum $2\frac{1}{2}''$ ϕ lifting pin shall be used to engage the lifting loops during handling.

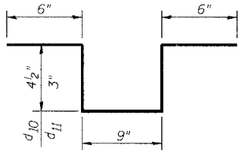
Reinforcement bars designated (E) shall be epoxy coated.

Cut G_6 bars when necessary to maintain $1\frac{1}{2}''$ clearance.

The bottom plates and studs shall be galvanized according to AASHTO M111 and ASTM A385.

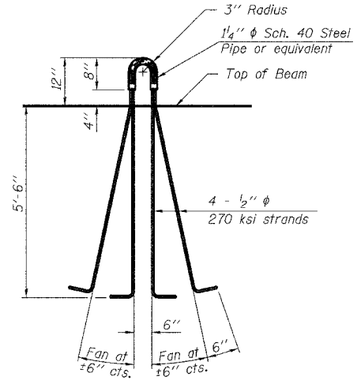
Threaded rods shall be ASTM F 1554 Grade 55.

The cut strands at each beam end shall be given two coats of zinc dust spray or paint meeting the requirements of ASTM A 780. The zinc dust spray or paint shall be applied before corrosion appears and allowed to dry according to the manufacturer's specifications prior to another coat of zinc. A concrete sealer meeting the requirements of Section 587 of the Standard Specifications shall be applied to all portions of the I-beam or Bulb-T beam, except the top surface of the top flange and the bottom surface of the bottom flange, starting at each beam end and extending out a distance of 72 inches. The sealer shall be applied after visible crack growth has subsided. This work shall be performed by the producer and included with the cost of the beam.

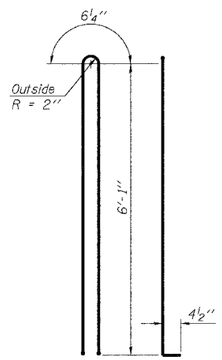


BARS d_{10}(E) & d_{11}(E)

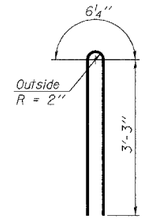
See sht. 8 of 21 for Bill of Material.
Bars d_{10}(E) & d_{11}(E) shall be placed in the deck & spaced as shown. Tie to the G_1 bars of the beam.



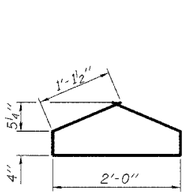
LIFTING LOOP DETAIL



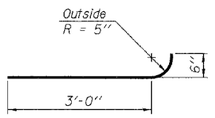
BAR G1



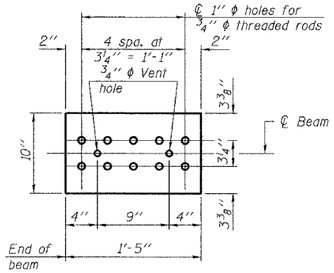
BAR G2



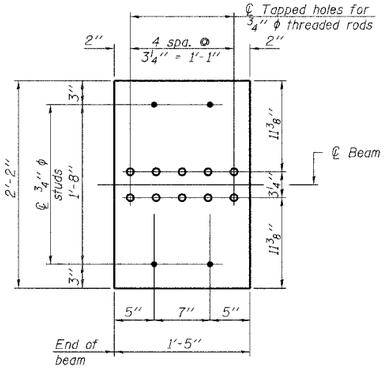
BAR G4



BAR G6



TOP PLATE



BOTTOM PLATE

See bearing details for pintle hole locations when required.

BILL OF MATERIAL

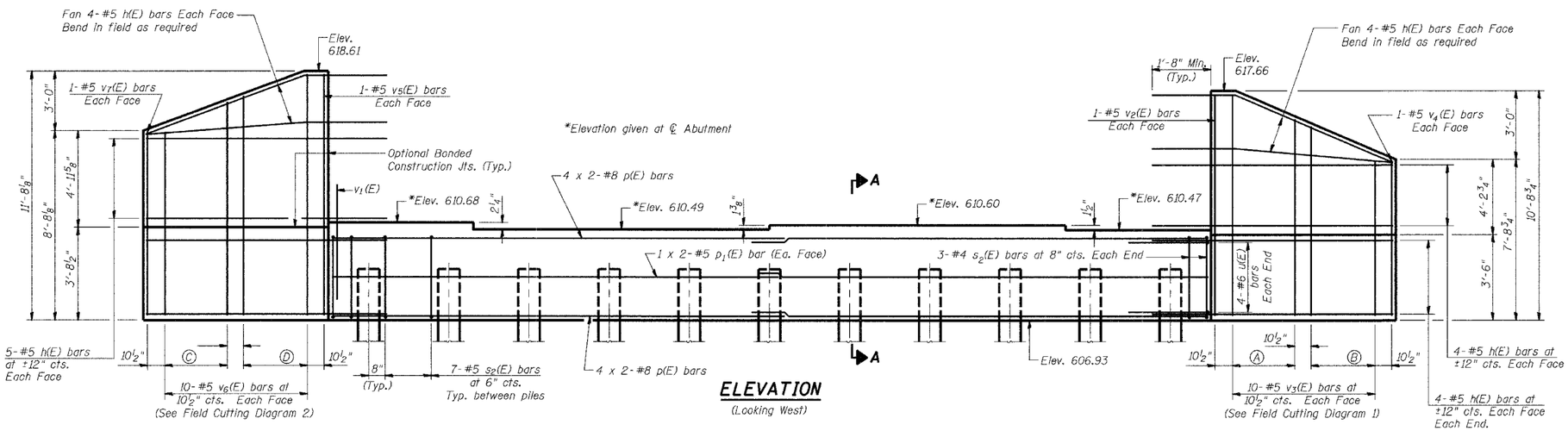
Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete Bulb T-Beams, 72"	Ft.	632.0

PPC BULB-T BEAM DETAILS

Date	Designed ACW	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	Sheet No. 12 of 21
Revisions	Drawn BKN		
	Checked KWB		
	Approved KWB		
Prepared by: URS	3040 North University Avenue Decatur, Il. 62526		URS Job No. 36430866

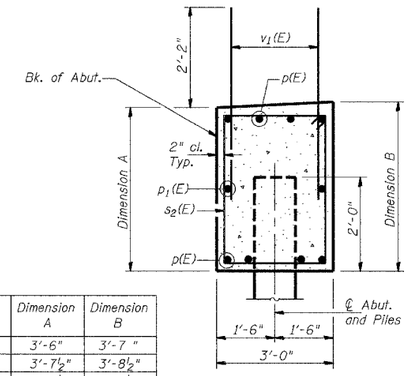
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	44
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

CONTRACT NO. 91356



ELEVATION

(Looking West)

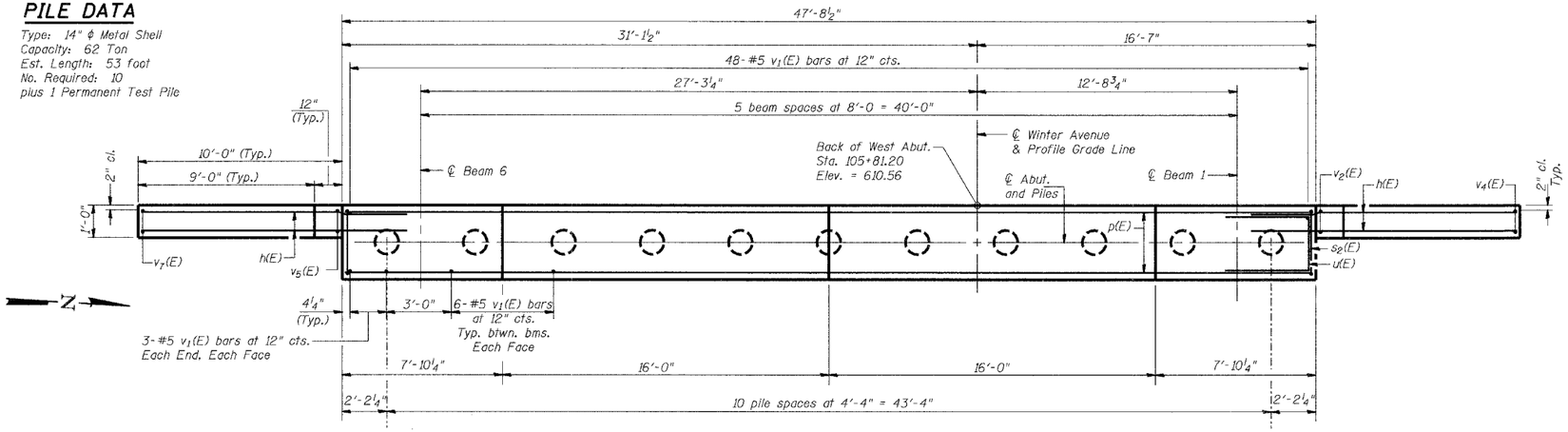


Beam	Dimension A	Dimension B
1	3'-6"	3'-7"
2 & 3	3'-7½"	3'-8½"
4 & 5	3'-6¼"	3'-7¼"
6	3'-8½"	3'-9½"

SECTION A-A

PILE DATA

Type: 14" ϕ Metal Shell
Capacity: 62 Ton
Est. Length: 53 foot
No. Required: 10
plus 1 Permanent Test Pile



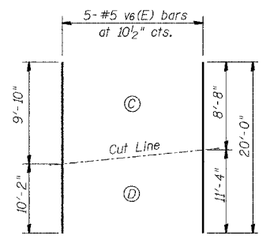
PLAN

MIN. BAR LAP

#5 = 2'-2"
#8 = 6'-4"

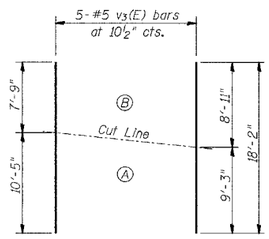
WEST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length (m)	Shape
h(E)	50	#5	12'-1"	
p(E)	16	#8	26'-11"	
p1(E)	4	#5	24'-10"	
s2(E)	76	#5	12'-7"	
u(E)	8	#6	8'-6"	
v1(E)	84	#5	4'-4"	
v2(E)	2	#5	10'-3"	
v3(E)	10	#5	18'-2"	
v4(E)	2	#5	7'-3"	
v5(E)	2	#5	11'-2"	
v6(E)	10	#5	20'-0"	
v7(E)	2	#5	8'-2"	
Concrete Structures		Cu. Yd.	26.5	
Reinforcement Bars Epoxy Coated		Pound	3840	
Structure Excavation		Cu. Yd.	224	
Metal Pile Shells 14"		Foot	530	
Test Pile Metal Shells		Each	1	



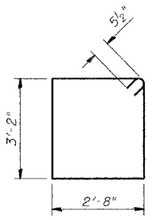
FIELD CUTTING DIAGRAM 2

Order $v_6(E)$ full length. Cut and place as shown.

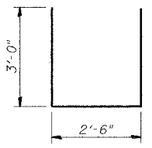


FIELD CUTTING DIAGRAM 1

Order $v_3(E)$ full length. Cut and place as shown.



BAR $s_2(E)$



BAR u(E)

Notes:

Pour steps monolithically with cap.

Reinforcement bars designated (E) shall be epoxy coated.

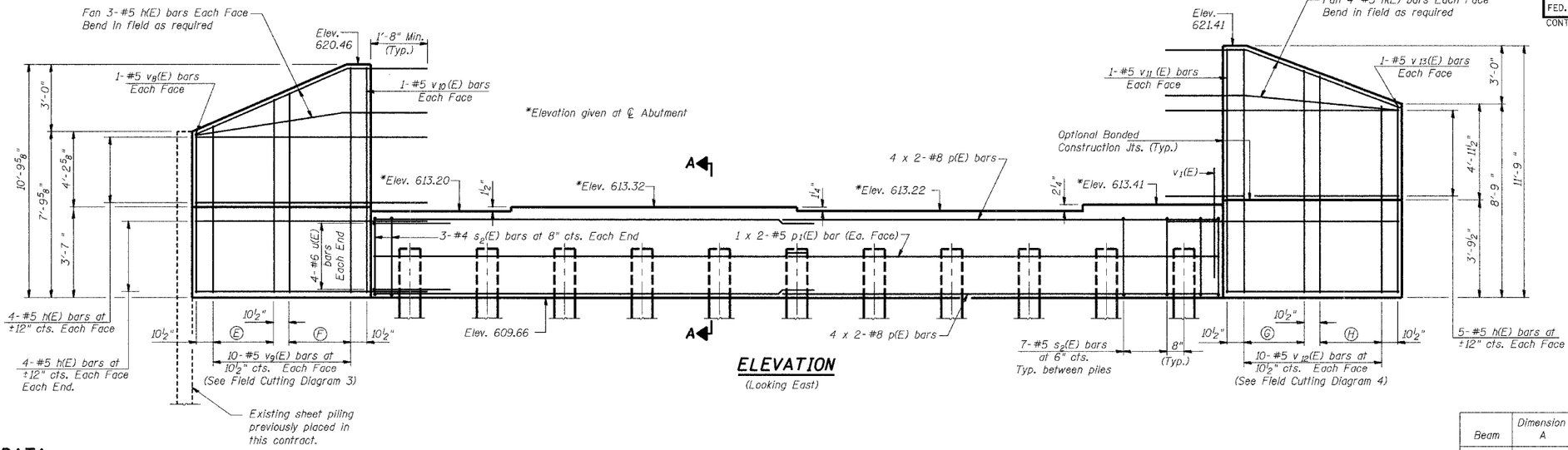
Bars indicated thus 4 x 2-#8 etc. Indicates 4 lines of bars with 2 lengths per line.

WEST ABUTMENT

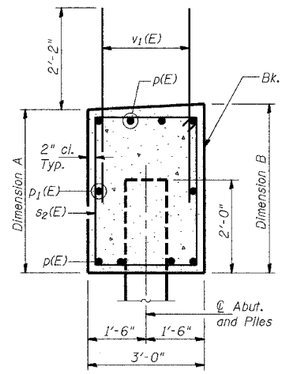
Date	Designed ACW	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	Sheet No. 13 of 21
Revisions	Drawn BKN		
	Checked KWB		
	Approved KWB		
Prepared by: URS 3040 North University Avenue Decatur, Il. 62526			URS Job No. 36430866

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	45
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

CONTRACT NO. 91356



ELEVATION
(Looking East)

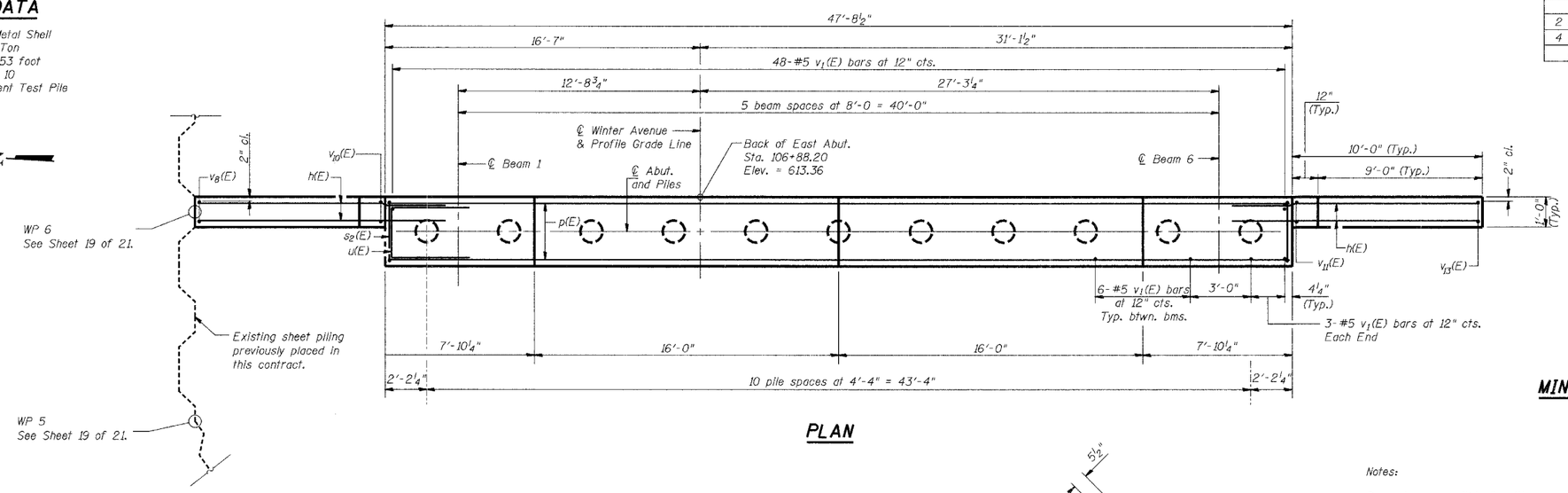


SECTION A-A

Beam	Dimension A	B
1	3'-6"	3'-7"
2 & 3	3'-7½"	3'-8½"
4 & 5	3'-6¼"	3'-7¼"
6	3'-8½"	3'-9½"

PILE DATA

Type: 14" ϕ Metal Shell
Capacity: 62 Ton
Est. Length: 53 foot
No. Required: 10
plus 1 Permanent Test Pile



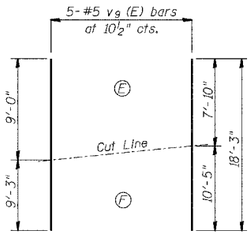
PLAN

MIN. BAR LAP

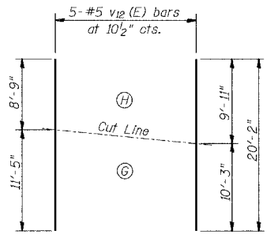
#5 = 2'-2"
#8 = 6'-4"

EAST ABUTMENT BILL OF MATERIAL

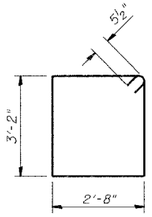
Bar	No.	Size	Length (m)	Shape
h(E)	48	#5	12'-1"	
p(E)	16	#8	26'-11"	
p1(E)	4	#5	24'-10"	
s2(E)	76	#5	12'-7"	
u(E)	8	#6	8'-6"	
v1(E)	84	#5	4'-4"	
v8(E)	2	#5	7'-4"	
v9(E)	10	#5	18'-3"	
v10(E)	2	#5	10'-4"	
v11(E)	2	#5	11'-3"	
v12(E)	10	#5	20'-2"	
v13(E)	2	#5	8'-4"	
Concrete Structures			Cu. Yd.	26.6
Reinforcement Bars Epoxy Coated			Pound	3820
Structure Excavation			Cu. Yd.	179
Metal Pile Shells 14"			Foot	530
Test Pile Metal Shells			Each	1



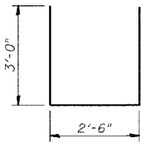
FIELD CUTTING DIAGRAM 3
Order v9(E) full length. Cut and place as shown.



FIELD CUTTING DIAGRAM 4
Order v12 (E) full length. Cut and place as shown.



BAR s2(E)



BAR u(E)

Notes:

Pour steps monolithically with cap.

Reinforcement bars designated (E) shall be epoxy coated.

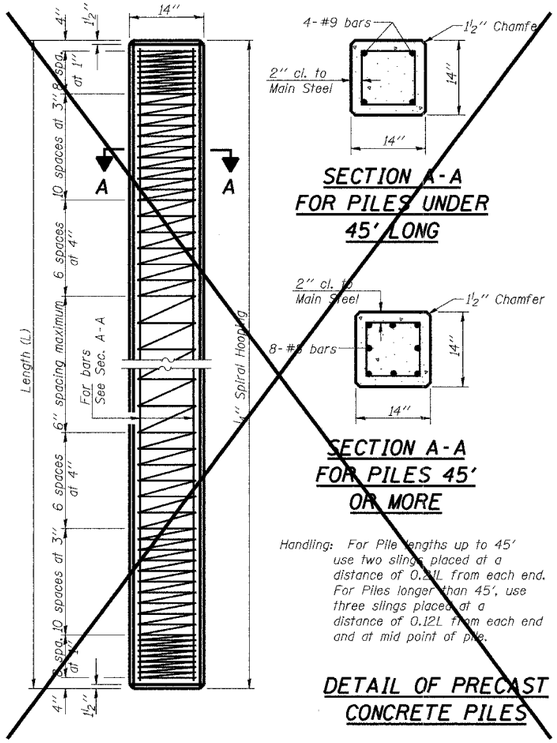
Bars indicated thus 4 x 2-#8 etc. indicates 4 lines of bars with 2 lengths per line.

EAST ABUTMENT

Date	Designed ACW	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	Sheet No. 14 of 21
Revisions	Drawn BKN		
	Checked KWB		
	Approved KWB		
Prepared by: URS	3040 North University Avenue Decatur, Il. 62526		URS Job No. 36430866

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	46
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

CONTRACT NO. 91356



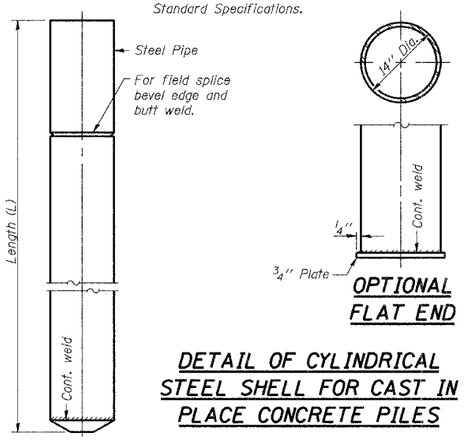
SECTION A-A FOR PILES UNDER 45' LONG

SECTION A-A FOR PILES 45' OR MORE

Handling: For Pile lengths up to 45' use two slings placed at a distance of 0.21L from each end. For Piles longer than 45', use three slings placed at a distance of 0.12L from each end and at mid point of pile.

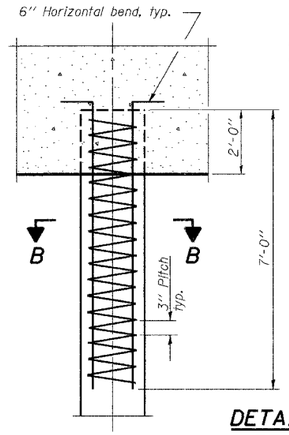
DETAIL OF PRECAST CONCRETE PILES

Notes: Driving and bearing ends of pipe shall be cut square. The thickness of the shell shall be 0.250 inches with a tolerance of 5 % . The shell shall be according to Article 1006.05(a) of the Standard Specifications.

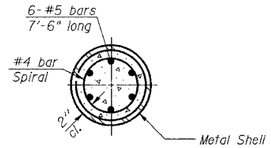


OPTIONAL FLAT END

DETAIL OF CYLINDRICAL STEEL SHELL FOR CAST IN PLACE CONCRETE PILES

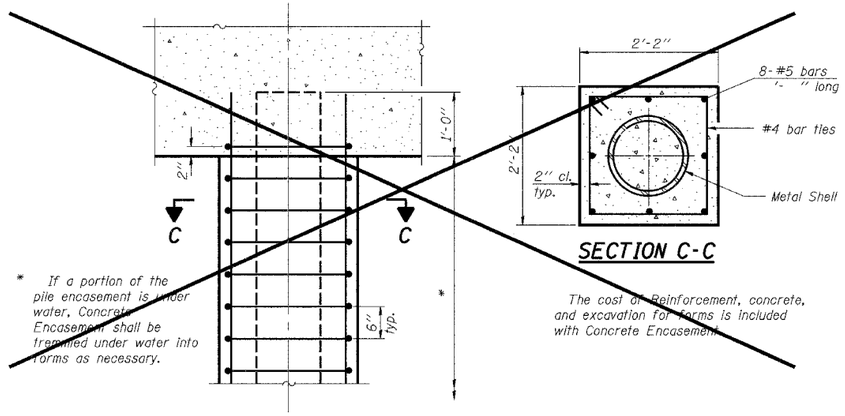


The cost of Reinforcement is incidental to the cost of furnishing piles.



SECTION B-B

DETAIL OF REINFORCEMENT FOR METAL SHELLS AT ABUTMENTS



SECTION C-C

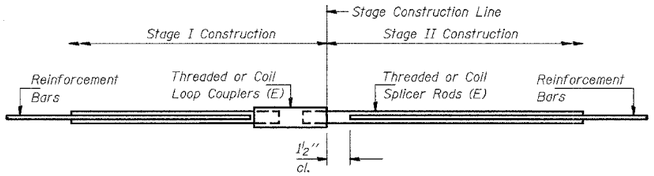
DETAIL OF PROTECTION FOR METAL SHELLS AT PIERS

PILE DETAILS

Date	Designed ACW	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	Sheet No. 15 of 21
Revisions	Drawn BKN		
	Checked KWB		
	Approved KWB		
Prepared by: URS	3040 North University Avenue Decatur, Il. 62526		URS Job No. 36430866

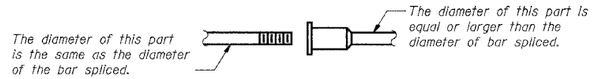
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	47
FED. ROAD DIST. NO.	ILLINOIS | PROJECT			

CONTRACT NO. 91356



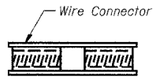
SPLICER DETAIL

Bar Size	No. Assemblies Required	Location



ROLLED THREAD DOWEL BAR

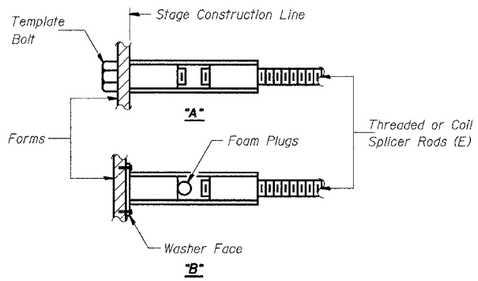
** ONE PIECE



WELDED SECTIONS

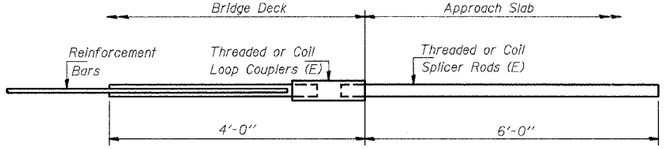
BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



INTEGRAL ABUTMENT BAR SPLICER ASSEMBLY DETAIL FOR #5 BAR

Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 9.2 kips - tension
No. Required = 94

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.

All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.

Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

① Minimum Capacity (Tension in kips) = $1.25 \times f_y \times A_t$

② Minimum *Pull-out Strength (Tension in kips) = $1.25 \times fs_{allow} \times A_t$

Where f_y = Yield strength of lapped reinforcement bars in ksi.

fs_{allow} = Allowable tensile stress in lapped reinforcement bars in ksi (Service Load)

A_t = Tensile stress area of lapped reinforcement bars.

* = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#5	2'-0"	23.0	9.2
#6	2'-7"	33.1	13.3
#7	3'-5"	45.1	18.0
#8	4'-6"	58.9	23.6

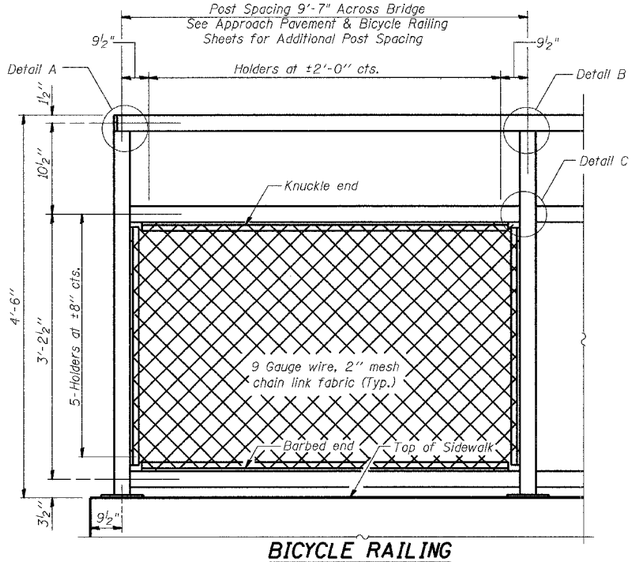
Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."

BAR SPLICER ASSEMBLY DETAILS

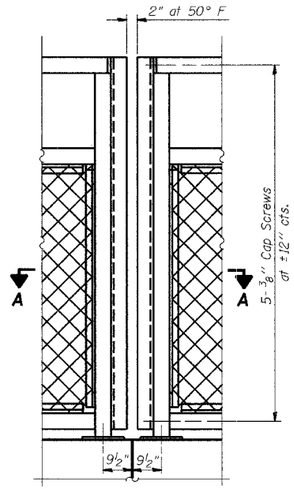
Date / Revisions			Sheet No.
	Designed ACW Drawn BKN Checked KWB Approved KWB	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	16 of 21
Prepared by: URS 3040 North University Avenue, Decatur, Il. 62526			URS Job No. 36430866

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	48
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

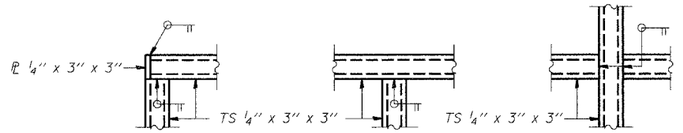
CONTRACT NO. 91356



BICYCLE RAILING



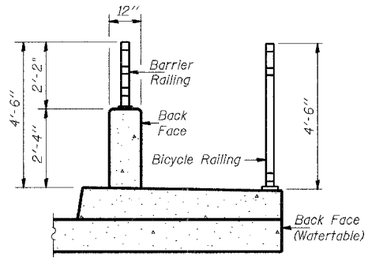
BICYCLE RAILING



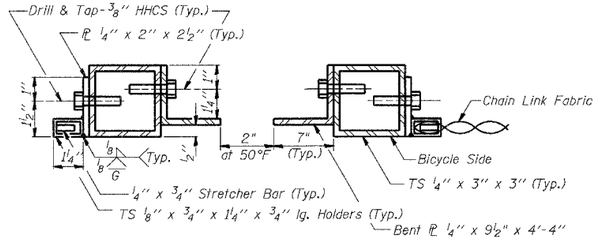
DETAIL A

DETAIL B

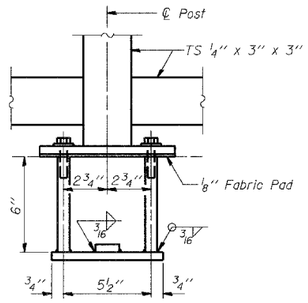
DETAIL C

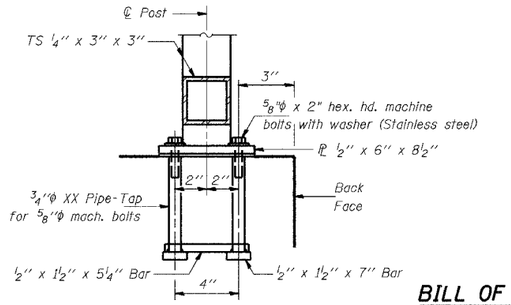


SECTION THRU SIDEWALK



SECTION A-A





ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and epoxy grouting ⅝" ϕ anchor rods. Embedment shall be according to the manufacturer's specifications.

NOTES

Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the Contract Unit Price per foot for Bicycle Railing.

The 9 gauge fabric ties shall be according to Article 1006.27 (d) of the Standard Specifications.

Installation of the chain link fabric shall be according to Section 664 of the Standard Specifications.

Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing.

All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36.

The Barrier Railing, furnished and installed shall not be paid for separately but shall be included in the unit bid price for "Bicycle Railing."

The chain link fabric shall be placed along Bicycle Side as shown on Section A-A.

Stretcher bars shall be used at all four sides of each panel.

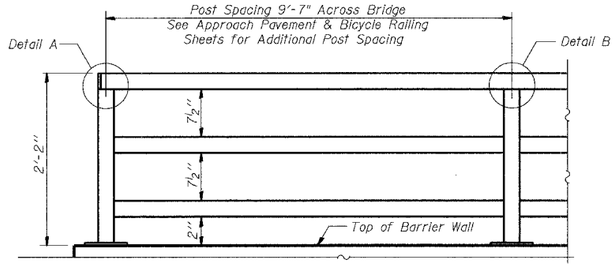
If the option of drilling and epoxy grouting the anchor rods is chosen, the Contractor shall use the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Illinois Department of Transportation. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures. The capsule or the adhesive cartridge shall be sealed with premeasured amounts of the adhesive chemical.

Space reinforcement to miss anchor rods.

The chain link fabric shall be black vinyl coated and conform to the requirements of Article 1006.27(a)(1)d of the Standard Spec's.

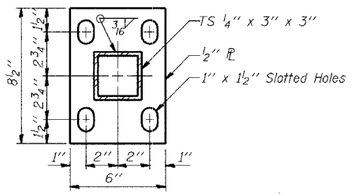
Upon approval from the City of Danville, all post, railing, splices, anchor devices, and bent plates shall be painted using one of the two following paint systems:
1. Inorganic Zinc-rich/Waterborne Acrylic for shop and field applications
2. Organic Zinc-rich/Epoxy/Urethane for full shop application.

Finish paint color shall be N1-Black.

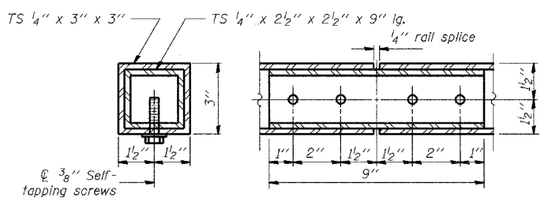


BARRIER RAILING ELEVATION

(Inside Face of Three Element Rail)



BASE PL



RAIL SPLICE

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	107

Note:
Quantity shown is for Bridge only and includes the barrier and bicycle railing.
See Roadway Plans for additional railing.

BICYCLE RAILING DETAILS

Date	Designed ACW	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	Sheet No. 17 of 21
Revisions	Drawn BKN		
	Checked KWB		
	Approved KWB		
Prepared by: URS	3040 North University Avenue Decatur, Il. 62526		URS Job No. 36430866

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	49
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

CONTRACT NO. 91356

BRIDGE FOUNDATION SOIL BORING LOG
midwest engineering services, inc.

Route: Winter Avenue
Section:
County: Vermilion
Structure No. 092-6009
Station: 5+90
Offset: 8' Left

Boring: BB-3
Page: 1 of 2
Date of Boring: 9-12-02
Drilled By: Roger Burton
Checked By: Daniel E. Tappendorf, P.E.
MES Project No: 1-23038

Ground Water Elevation:
when drilling: 605.5 FT.
at completion: 606.0 FT.
Ground Surface Elevation: 615.5 FT.

DEPTH (ft.)	BLOWS (6")	Q_u (tsf)	MC (%)	Soil Description
0			14	Dark brown silty CLAY with sand and small gravel, brick fragments (OL), Fill
	4 4 4	4.3P	12	Brown clayey SILT with sand and small gravel (ML), Fill
				EL. 611.0 FT.
5	2 3 3		8	Brown fine to medium SAND (SP)
				EL. 608.5 FT.
	2 2 2		18	Dark brown fine clayey SAND (SP-SC)
				EL 606.0 FT.
10	1 1 2		49	Brown fine to coarse clayey SAND (SW-SC)
				EL 603.5 FT.
	1 2 1	4.5+P	9	Gray silty CLAY with sand and small gravel (CL-ML), Till
15	6 9 12	4.2S	9	
				EL 598.5 FT.
	4 7 10		20	Gray fine SAND (SP)
				EL. 596.0 FT.
20	16 15 10	3.8B	8	Gray silty CLAY with sand and small gravel (CL), Till
	4 5 6	5.2B	9	
25	4 6 9	6.1B	9	continued next page

Gray silty CLAY with sand and small gravel (CL), Till

DEPTH (ft.)	BLOWS (6")	Q_u (tsf)	MC (%)
30	5 10 8	2.8B	9
35	10 13 13	2.2B	10
40	2 6 9	1.5P	11
45	3 6 5	1.5P	10
50	4 5 5	1.5P	11

Note: Boring BB-3 was drilled to 51.5 ft depth on 9-12-02 and was extended down to 76.5 ft. depth on 1-3-03

N - Standard Penetration Test (SPT) = Sum of last two blow values in sample
MC- Moisture Content - Percent of dry weight
Qu- Unconfined Compressive Strength- tons per square foot (tsf)

Type Failure: Qu test
B-Bulge
S-Shear
P-Penetrometer

BRIDGE FOUNDATION SOIL BORING LOG
midwest engineering services, inc.

Route: Winter Avenue
Section:
County: Vermilion
Structure No. 092-6009
Station: 5+90
Offset: 8' Left

Boring: BB-3
Page: 2 of 2
Date of Boring: 1-03-03
Drilled By: Roger Burton
Checked By: Daniel E. Tappendorf, P.E.
MES Project No: 1-23038

Ground Water Elevation:
when drilling: 605.5 FT.
at completion: 606.0 FT.
Ground Surface Elevation: 615.5 FT.

DEPTH (ft.)	BLOWS (6")	Q_u (tsf)	MC (%)	Soil Description
55	4 7 9	2.6 B	9	Gray silty CLAY with sand and small gravel (CL), Till
				EL. 562.5 FT.
	12 18 16	-	12	
60	4 7 9	-	19	
65				Gray fine to medium SAND (SP) Wet
	3 5 7	-	19	
70	9 13 21	-	19	
75				END OF BORING AT 76.5 FEET
	3 7 16	-	20	EL. 539.0 FT.

DEPTH (ft.)	BLOWS (6")	Q_u (tsf)	MC (%)
80			
85			
90			
95			

N - Standard Penetration Test (SPT) = Sum of last two blow values in sample
MC- Moisture Content - Percent of dry weight
Qu- Unconfined Compressive Strength- tons per square foot (tsf)

Type Failure: Qu test
B-Bulge
S-Shear
P-Penetrometer

BRIDGE FOUNDATION SOIL BORING LOG
midwest engineering services, inc.

Route: Winter Avenue
Section:
County: Vermilion
Structure No. 092-6009
Station: 6+95
Offset: 8' Left

Boring: BB-4
Page: 1 of 1
Date of Boring: 9-13-02
Drilled By: Roger Burton
Checked By: Daniel E. Tappendorf, P.E.
MES Project No: 1-23038

Ground Water Elevation:
when drilling: 607.0 FT.
at completion: 605.0 FT.
Ground Surface Elevation: 617.0 FT.

DEPTH (ft.)	BLOWS (6")	Q_u (tsf)	MC (%)	Soil Description
0			12	Dark brown clayey SILT with sand and small gravel (OL), Fill
	2 3 2	2.5P	18	Brown silty CLAY (CL), Fill
				EL. 612.5 FT.
5	3 2 2	3.0P	17	Brown silty CLAY with sand and small gravel (CL), Fill
	2 2 2	1.8B	19	
				EL 607.5 FT.
10	2 1 2	0.8P	21	Dark brown sandy CLAY (CL), Fill
				EL 605.0 FT.
	4 4 3		19	Dark gray fine clayey SAND (SP-SC), Fill
				EL 602.5 FT.
15	1 4 12	0.8P	20	Gray silty clayey and fine to coarse sand, Mixed Fill
				EL. 600.0 FT.
	14 15 15	7.8B	10	Gray silty CLAY with sand and small gravel (CL), Till
20	5 12 8	4.5P	9	
	10 9 8	5.2B	9	
25	4 7 8	4.4S	9	

DEPTH (ft.)	BLOWS (6")	Q_u (tsf)	MC (%)
30	16 16 8	4.5+P	8
35	7 10 10	4.8S	9
40	9 12 12	6.2B	8
45	10 16 12	6.8S	8
50	8 12 14	7.6S	7

Gray silty CLAY with sand and small gravel (CL), Till

EL. 565.5 FT.

END OF BORING AT 51.5 FEET

N - Standard Penetration Test (SPT) = Sum of last two blow values in sample
MC- Moisture Content - Percent of dry weight
Qu- Unconfined Compressive Strength- tons per square foot (tsf)

Type Failure: Qu test
B-Bulge
S-Shear
P-Penetrometer

Soil Boring BB-3 Sta 5+90, 8' Lt. equals Sta 105+74.81, 5.57' Lt. (For Boring Location Only)
Soil Boring BB-4 Sta 6+95, 8' Lt. equals Sta 107+01.20, 7.10' Rt. (For Boring Location Only)

BRIDGE BORING LOGS

Date
Revisions

Designed ACW
Drawn BKN
Checked KWB
Approved KWB

WINTER AVENUE OVER STONEY CREEK
SECTION 99-00209-02-PV
CITY OF DANVILLE, IL
VERMILION COUNTY
STA. 106+34.70
PROP. STR. NO. 092-6033

Sheet No. 18 of 21

Prepared by: URS 3040 North University Avenue, Decatur, Il. 62526

URS Job No. 36430866

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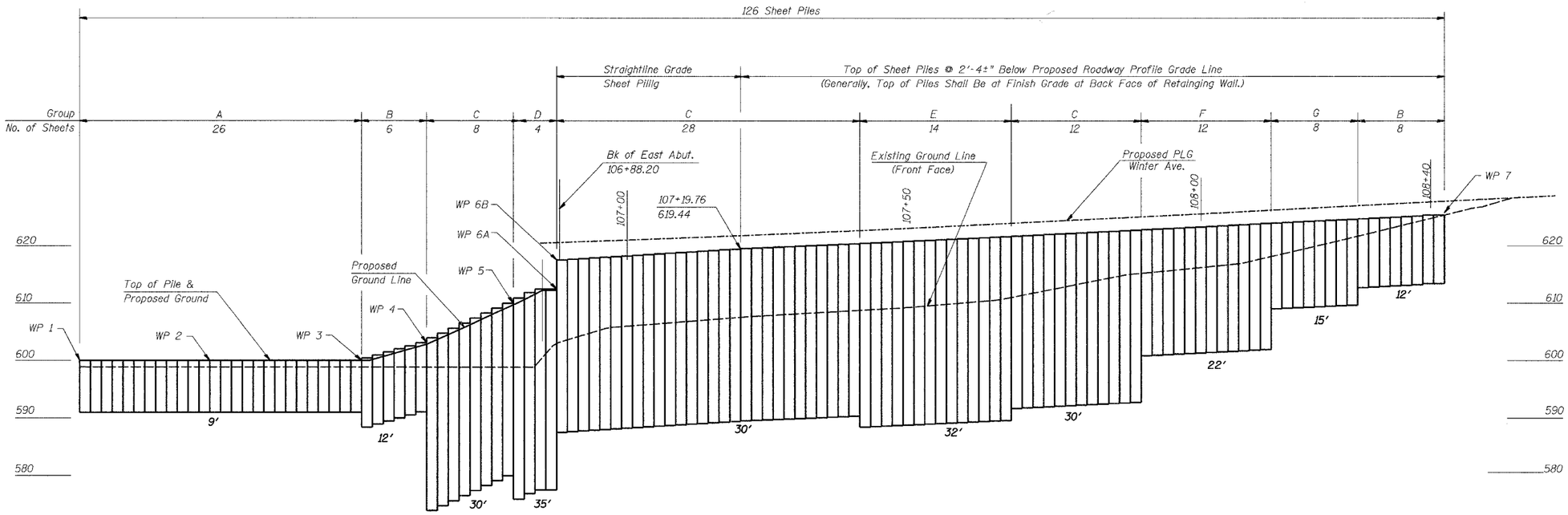
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	50
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

CONTRACT NO. 91356



DEVELOPED ELEVATION

(Back Face)

WORK POINT LOCATIONS & ELEVATIONS

WP No.	Station	Offset	Northing	Easting	Proposed Ground Elevation	Top of Pile Elevation
1	106+40.90	33.02 RT.	1273047.12	1184411.33	600.00	600.00
2	106+45.12	10.78 RT.	1273069.51	1184414.31	600.00	600.00
3	106+60.01	11.04 LT.	1273092.12	1184427.96	600.00	600.00
4	106+66.39	20.39 LT.	1273101.82	1184433.80	602.80	603.05
5	106+80.15	26.58 LT.	1273108.77	1184447.20	609.68	609.93
6A	106+87.70	26.58 LT.	1273109.19	1184454.73	612.12	612.45
6B	106+87.70	26.58 LT.	1273109.19	1184454.73	617.46	617.46
7	108+42.39	26.58 LT.	1273117.83	1184609.20	625.41	625.41

SHEET PILE SUMMARY

Group	Pile Length	Number of Sheets
A	9'	26
B	12'	14
C	30'	48
D	35'	4
E	32'	14
F	22'	12
G	15'	8

RETAINING WALL BILL OF MATERIAL

PILE TYPE	QTY (SQ. FT.)
PZ35	5,310
TOTAL	5,310

The above estimate is for the Steel Sheet Pile Retaining Wall and shall be paid for at the contract unit price per square foot of PERMANENT STEEL SHEET PILING. See Special Provisions.

NOTES:

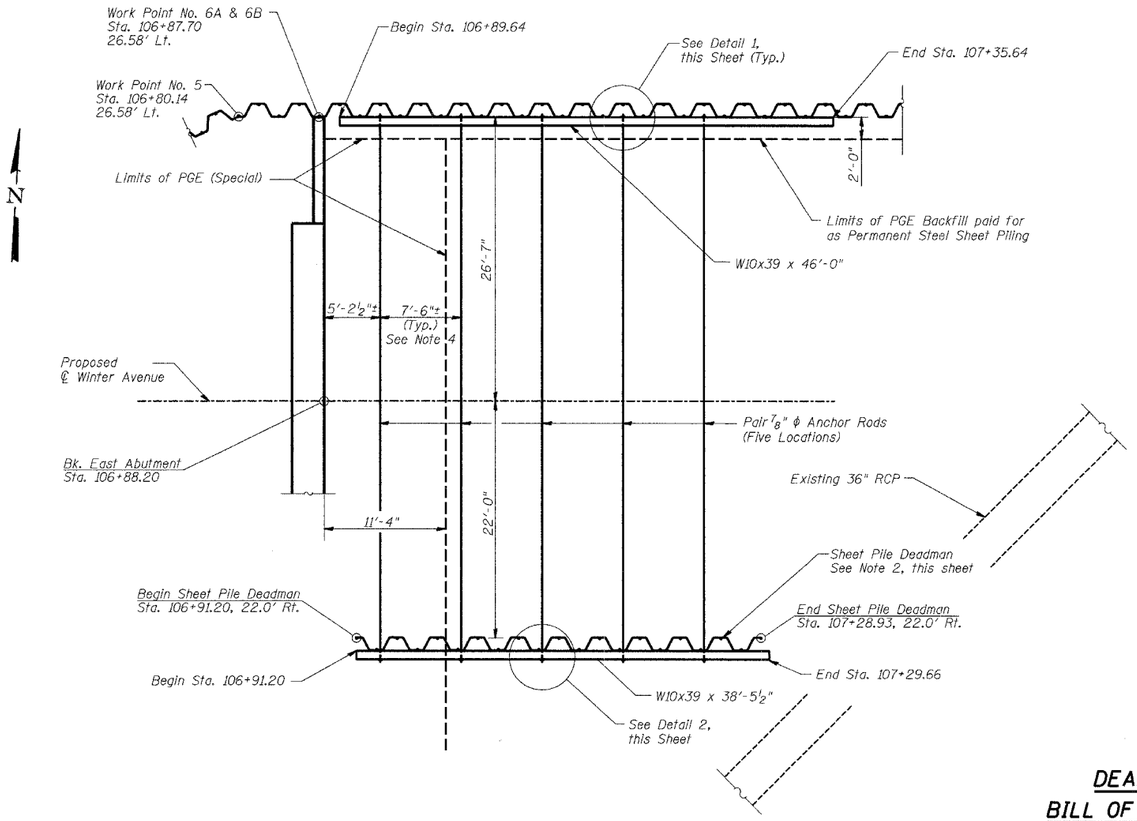
1. All Sheet Piles shall be PZ35 and shall have minimum section modulus of 48.5 $in.^3$/ foot of wall and conform to ASTM A 572, Grade 50.
2. Top of piles parallel to roadway baseline and easterly from the back of the east abutment shall be approximately 2'-4" below Proposed PGL elevation.
3. Work this Sheet with Sheet 20 of 21.

PERMANENT STEEL SHEET PILING

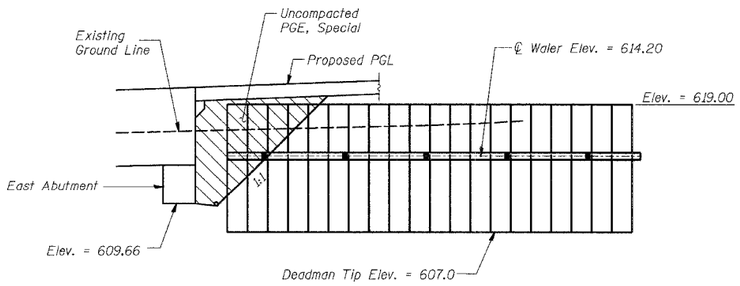
Date / Revisions			Sheet No.
	Designed ACW	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	19 of 21
	Drawn BKN		
	Checked KWB		
	Approved KWB		
Prepared by: URS 3040 North University Avenue Decatur, Il. 62526			URS Job No. 36430866

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	51
FED. ROAD DIST. NO.		ILLINOIS	PROJECT	

CONTRACT NO. 91356



DEADMAN PLAN



DEADMAN ELEVATION

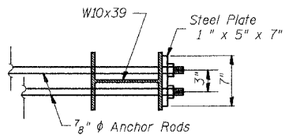
DEADMAN BILL OF MATERIAL

PILE TYPE	QTY (SQ. FT.)
PZ35	454
TOTAL	454

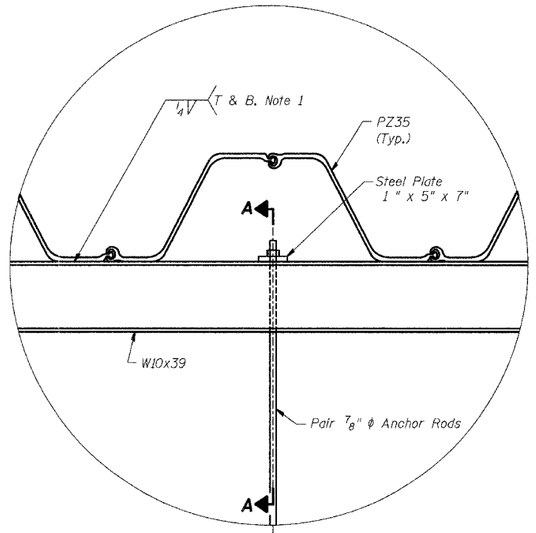
The above estimate is for the Steel Sheet Pile Deadman and shall be paid for at the contract unit price per square foot of PERMANENT STEEL SHEET PILING. See Special Provisions.

NOTES:

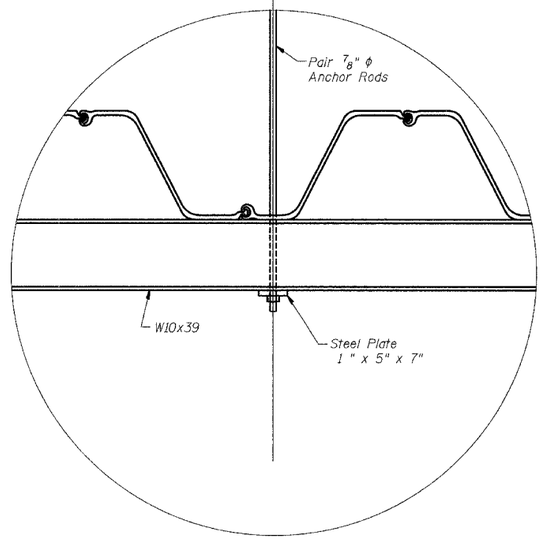
1. All Sheet Piles shall be PZ35 and shall have minimum section modulus of 48.5 in.^{3}/ foot of wall and conform to ASTM A 572, Grade 50.
2. Deadman Sheet Piling shall be 12'-0" Long and shall have a tip elevation of 607.00.
3. Tieback Details are Typical for Sheet Pile Retaining Wall and Sheet Pile Deadman.
4. In lieu of field welding the waler to the sheet piling, Contractor may use 2 - ¾" ϕ A325 H.S. Bolts at 4" centers per sheet pile. Use holes in W10x42 as a template to field drill $\frac{15}{16}$" ϕ holes in the sheeting. The cost of which shall not be measured separatly but shall be included in the cost of Furnishing & Erecting Structural Steel.
5. Structural steel shapes, plates, anchor rods shall be paid for as Furnishing & Erecting Structural Steel in accordance with the Specicial Provision Permanent Steel Sheet Piling.
6. Work this Sheet with Sheet 19 of 21.



SECTION A-A



DETAIL 1



DETAIL 2

PERMANENT STEEL SHEET PILING DETAILS

Date	Designed ACW	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	Sheet No. 20 of 21
Revisions	Drawn BKN		
	Checked KWB		
	Approved KWB		
Prepared by: URS	3040 North University Avenue Decatur, Il. 62526		URS Job No. 36430866

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 6998	99-00209-02-PV	VERMILION	72	52
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

CONTRACT NO. 91356

SOIL BORING LOG
midwest engineering services, inc.

Route: Winter Avenue
Section:
County: Vermilion
Structure No.
Station: 7+90
Offset: 8' Left

Boring: SP-1
Page: 1 of 1
Date of Boring: 9-13-02
Drilled By: Roger Burton
Checked By: Daniel E. Tappendorf, P.E.
MES Project No: 1-23038

Ground Water Elevation:
when drilling: 607.0 FT.
completion: DRY

Ground Surface Elevation: 623.0 FT.

DEPTH (ft.)	BLOWS (6")	Q_u (tsf)	MC (%)
6" Dark brown silty CLAY with sand and small gravel (OL), Fill			10
Brown clayey SILT with sand and small gravel (ML), Till	6 8 10	4.5+P	14
5	4 9 10	4.5+P	15
EL. 616.0 FT.			
Gray silty CLAY with sand and small gravel (CL), Till	4 5 6	5.0B	14
EL. 613.5 FT.			
10			
Pinkish-gray silty CLAY with sand and small gravel (CL), Till	4 4 3	1.0B	14
EL. 611.0 FT.			
Gray silty CLAY with sand and small gravel (CL), Till	2 3 6	4.2B	9
15			
EL 607.0 FT.	7 9 11	4.5+P	9
Brown fine to coarse SAND (SW)			
EL. 606.0 FT.			
	6 9 13	4.5+P	11
20			
Gray silty CLAY with sand and small gravel (CL), Till	6 10 13	8.4B	10
	4 7 8	4.0P	12
25			
	6 8 8	3.2B	11

DEPTH (ft.)	BLOWS (6")	Q_u (tsf)	MC (%)
Gray silty CLAY with sand and small gravel (CL), Till			
30	7 5 8	5.8B	10
EL. 591.5 FT.			
END OF BORING AT 31.5 FEET			

N - Standard Penetration Test (SPT) = Sum of last two blow values in sample
MC- Moisture Content - Percent of dry weight
Qu- Unconfined Compressive Strength- tons per square foot (tsf)

Type Failure Qu test
B-Bulge
S-Shear
P-Penetrometer

Soil Boring SP-1 Sta 7+90, 8' Lt. equals Sta 107+74.81, 8' Lt. (For Boring Location Only)

PERMANENT STEEL SHEET PILING BORING LOG

Date	Designed ACW	WINTER AVENUE OVER STONEY CREEK SECTION 99-00209-02-PV CITY OF DANVILLE, IL VERMILION COUNTY STA. 106+34.70 PROP. STR. NO. 092-6033	Sheet No. 21 of 21
Revisions	Drawn BKN		
	Checked KWB		
	Approved KWB		
Prepared by: URS	3040 North University Avenue Decatur, Il. 62526		URS Job No. 36430866

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	53
STA. N/A	TO STA. N/A			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO.: 91356

PLAN
NOTE BOOK
NO.
ALIGNMENT CHECKED
DATA VERIFIED BY
CADD FILE NAME
SURVEYED
DRAWN
BY
DATE

STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN WAS ESTABLISHED TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME: THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY EROSION CONTROL SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN, CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THIS PLAN. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER, AS SHOWN IN THE PLAN DETAILS, AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

THE FOLLOWING IMPROVEMENTS WILL BE MADE TO F.A.U. 6998 (WINTER AVENUE)

1. RECONSTRUCTION OF BRIDGE OVER STONEY CREEK AND THE CONSTRUCTION OF WINTER AVE. INTERIM PAVEMENT FROM APPROX. 129' WEST OF BRIDGE TO APPROX. 188' EAST OF BRIDGE.

2. WINTER AVE. RECONSTRUCTION INCLUDES REMOVAL OF PAVEMENT, CULVERTS AND APPURTENANCES. THE EXCAVATION AND GRADING, DITCH CONSTRUCTION, CULVERT CONSTRUCTION, PAVING, AND OTHER MISCELLANEOUS WORK TO COMPLETE A ONE LANE INTERIM PAVEMENT AND ONE BRIDGE OVER STONEY CREEK.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB EARTH AND LEAD TO POSSIBLE EROSION FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

EXCAVATION WILL BE COMPLETED TO CONSTRUCT THE PROPOSED DITCHES, CULVERTS AND EMBANKMENTS.

PLACEMENT, MAINTENANCE, REMOVAL AND PROPER CLEAN-UP OF TEMPORARY EROSION CONTROL ITEMS INCLUDING EROSION CONTROL FENCE, DITCH CHECKS, SEEDING, SODDING AND OTHER MISCELLANEOUS EROSION CONTROL MEASURES.

PLACEMENT OF PERMANENT EROSION CONTROL ITEMS, INCLUDING AGGREGATE DITCH AND LININGS, EROSION CONTROL BLANKET, AND SEEDING, ETC.

FINAL ROADWAY GRADING AND OTHER MISCELLANEOUS ITEMS.

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE ±2.1 ACRES OF WHICH ±1.3 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING AND OTHER ACTIVITIES.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THIS STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

ILLINOIS URBAN MANUAL, IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (ADOPTED JANUARY 1, 2002).

EROSION CONTROL SUMMARY

	CODE NO.	ITEM	UNIT	TOTAL
*	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	89
	28000300	TEMPORARY DITCH CHECKS	EACH	23
	28000400	PERIMETER EROSION BARRIER	FOOT	1084
	28000500	INLET AND PIPE PROTECTION	EACH	1

* QUANTITY INCLUDES ONE (1) APPLICATION.

DRAINAGE TRIBUTARIES RECEIVING WATER FROM THIS CONSTRUCTION SITE:

1. WINTER AVE OUTLETS TO STONEY CREEK.

CONTROLS-EROSION CONTROL AND SEDIMENT CONTROL DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

1. DURING ROADWAY CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION SLOPE LIMITS, AS OUTLINED PREVIOUSLY HEREIN, SHALL BE PROTECTED FROM DAMAGING EFFECTS OF CONSTRUCTION. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.

(A) WITHIN THE CONSTRUCTION ZONE, CRITICAL AREA WHICH HAVE HIGH FLOWS OF WATER AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

(B) EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

(C) AS THE CONTRACTOR CONSTRUCTS A PORTION OF ROADWAY IN A FILL SECTION THEY SHALL FOLLOW THE FOLLOWING STEPS AS DIRECTED BY THE ENGINEER:

I PLACE TEMPORARY EROSION CONTROL SYSTEMS AT LOCATIONS WHERE WATER LEAVES AND RETURNS FROM THE CONSTRUCTION ZONE.

II TEMPORARILY SEED HIGHLY ERODIBLE AREAS OUTSIDE THE CONSTRUCTION SLOPE LIMITS.

III CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.

IV TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS.

V BUILD NECESSARY EMBANKMENT AT CULVERT LOCATIONS AND THEN EXCAVATE AND PLACE CULVERT.

VI CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAME TIME PLACING PERMANENT EROSION CONTROL SUCH AS RIPRAP, OR DITCH LINING, AND CONDUCT FINAL SHAPING TO THE SLOPES.

(D) EXCAVATED AREAS AND EMBANKMENTS SHALL BE PERMANENTLY SEEDED OR SODDED WHEN FINAL GRADED. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR FOURTEEN DAYS.

(E) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS OR AS DIRECTED BY THE ENGINEER. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUN-OFF IN COMPLIANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.

(F) THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT ON A REGULAR BASIS, COMPLETING FORM NPDES / EROSION CONTROL INSPECTION REPORT BC 2259 (4/96) AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF EACH 0.5 INCH RAINFALL OR EQUIVALENT SNOWFALL, TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

(G) SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. PERIMETER EROSION BARRIER SHALL HAVE SEDIMENT REMOVED WHEN IT REACHES 75% OF THE HEIGHT OF THE CONTROL DEVICE. THE COST OF THE MAINTENANCE AND CLEANING OF THE EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INCLUDED IN THE RESPECTIVE PAY ITEMS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

(H) THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER EVERY USE IF NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE TEMPORARY EROSION CONTROL SYSTEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

(I) IF PORTIONS OF THE STORM SEWER ARE CONSTRUCTED IN AN EARLIER STAGE BY THE CONTRACTOR, THE APPROPRIATE INLET AND PIPE PROTECTION SHOWN IN A LATER STAGE WILL APPLY. THE COST OF MAINTAINING EROSION CONTROL MEASURES FOR INLETS, PIPES, AND STRUCTURES SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RESPECTIVE TEMPORARY EROSION CONTROL ITEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

DESCRIPTIONS OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED WITH A PROPER STAND.

ONCE EROSION CONTROL SYSTEMS AND ITEMS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED, AND DISTURBED TURF RESEEDED OR SODDED.

MAINTENANCE AFTER CONSTRUCTION:

1. FINAL INSPECTION WILL OCCUR AFTER ALL ROADWAY AND DRAINAGE CONSTRUCTION IS COMPLETE AND THE ROADWAY SIGNING IS IN PLACE AND THE ROAD COMPLETELY OPENED TO TRAFFIC.

2. CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE IS RECEIVED AT THE FINAL INSPECTION.

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION

TEMPORARY EROSION CONTROL PLAN
GENERAL NOTES AND LEGEND

SCALE: NTS DATE: 12/30/05

DRAWN BY: TDN CHECKED BY: MBF

TEMPORARY EROSION CONTROL LEGEND:

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- TEMPORARY EROSION CONTROL SEEDING
- PERIMETER EROSION BARRIER

INTENDED SEQUENCE

1. PLACEMENT OF PERIMETER EROSION CONTROL BARRIER PRIOR TO THE COMMENCEMENT OF ANY WORK. SEE STANDARD 280001.
2. REMOVAL OF EXISTING ROADWAY ITEMS AND EXISTING STRUCTURE.
3. CONSTRUCTION OF THE PROPOSED SHEET PILE RETAINING WALL AND PROPOSED STRUCTURE.
4. CONSTRUCTION OF THE ROADWAY EMBANKMENT INCLUDING DITCHES AND DRAINAGE ITEMS.
5. PLACEMENT OF STONE RIPRAP AND AGGREGATE DITCH.
6. PLACEMENT AND MAINTENANCE OF TEMPORARY EROSION CONTROLS INCLUDING INLET AND PIPE PROTECTION, TEMPORARY DITCH CHECKS AND TEMPORARY EROSION CONTROL SEEDING.
7. FINAL GRADING AND SHAPING INCLUDING PAVEMENT AND SHOULDER CONSTRUCTION, ENTRANCE CONSTRUCTION AND GUARDRAIL.
8. REMOVAL AND PROPER CLEAN UP OF TEMPORARY EROSION CONTROLS.
9. PLACEMENT OF FINAL SEEDING, MULCH, EROSION CONTROL BLANKET AND FIBER MAT.

N

0 20 40

1" = 20'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	54
STA. 97+00	TO STA. 109+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		
CONTRACT NO.: 91356				

PLAN SURVEYED BY DRAWN BY ALIGNMENT CHECKED BY CROSS SECTIONED BY NOTE BOOK NO. CADD FILE NAME DATE

TREES & BRUSH

PERIMETER EROSION BARRIER - 89 FT
STA. 104+88 TO STA. 105+38

INLET AND PIPE PROTECTION (TYP.) - 1 EA

TEMP EROS CONTR SEED - 4.0 LB

P CUL CL A 2 24

PR. FUTURE ℄ WINTER AVE.

PERIMETER EROSION BARRIER - 181 FT
STA. 105+49 TO STA. 106+40

TEMP EROS CONTR SEED - 4.2 LB

PR. ℄ WINTER AVE.

CONST. LIMITS

TEMP EROS CONTR SEED - 12.9 LB

PERIMETER EROSION BARRIER - 178 FT
STA. 106+98 TO STA. 108+75

PR. ℄ INTERIM PAVEMENT

TEMP EROS CONTR SEED - 6.3 LB

PERIMETER EROSION BARRIER - 174 FT
STA. 104+94 TO STA. 106+10

PERIMETER EROSION BARRIER - 330 FT
STA. 106+22 TO STA. 107+24

PR. DITCH

PR. AGG. DITCH

TEMP EROS CONTR SEED - 28.5 LB

PR. ℄ BICYCLE PATH

TEMPORARY DITCH CHECK (TYP.) - 16 EA

EX. RIPRAP

PROP. T.E.

GATE POSTS

WINTER AVE

MONTEREY ST.

CSX RR

STONEY CREEK

MATCHLINE 103+00 (WINTER AVENUE)

MATCHLINE 203+00 (BICYCLE PATH)

MATCHLINE 109+00 (WINTER AVENUE)

MATCHLINE 209+00 (BICYCLE PATH)

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION

TEMPORARY EROSION CONTROL PLAN
WINTER AVENUE/BICYCLE PATH
STA. 97+00 TO STA. 109+00

SCALE: 1" = 20' DATE: 12/30/05

DRAWN BY: MLS CHECKED BY: MBF

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	55
STA. 109+00	TO STA. 121+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		
		CONTRACT NO.: 91356		

TEMPORARY EROSION CONTROL LEGEND:

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- TEMPORARY EROSION CONTROL SEEDING
- PERIMETER EROSION BARRIER

N

0 20 40
1" = 20'

MATCHLINE 109+00 (WINTER AVENUE)

MATCHLINE 209+00 (BICYCLE PATH)

CONST. LIMITS

TEMP EROS CONTR SEED - 14.7 LB

WINTER AVE

O&C

PR. DITCH

CONST. LIMITS

TEMPORARY DITCH CHECKS (TYP.) 7 EA

TEMP EROS CONTR SEED - 18.6 LB

PERIMETER EROSION BARRIER - 132 FT
STA. 110+00 TO STA. 111+03

SCOREBOARD

PR. FUTURE ℄ WINTER AVE.

PROP. T.E.

PR. FUTURE ℄ BICYCLE PATH

MATCHLINE 115+00 (WINTER AVENUE)

MATCHLINE 215+00 (BICYCLE PATH)

6" TILE

PR. FUTURE ℄ WINTER AVE.

WINTER AVE

BIT

PLANTER

PLAYGROUND

24" CPP

CONC

REVISIONS NAME	DATE

CITY OF DANVILLE, ILLINOIS

WINTER AVENUE RECONSTRUCTION

TEMPORARY EROSION CONTROL PLAN WINTER AVENUE/BICYCLE PATH STA. 109+00 TO STA. 121+00

SCALE: 1" = 20' DATE: 12/30/05

DRAWN BY: MLS CHECKED BY: MBF

PLAN
SURVEYED
DRAWN
ALIGNMENT CHECKED
GRADES CHECKED
NOTE BOOK
NO.
CADD FILE NAME
BY
DATE

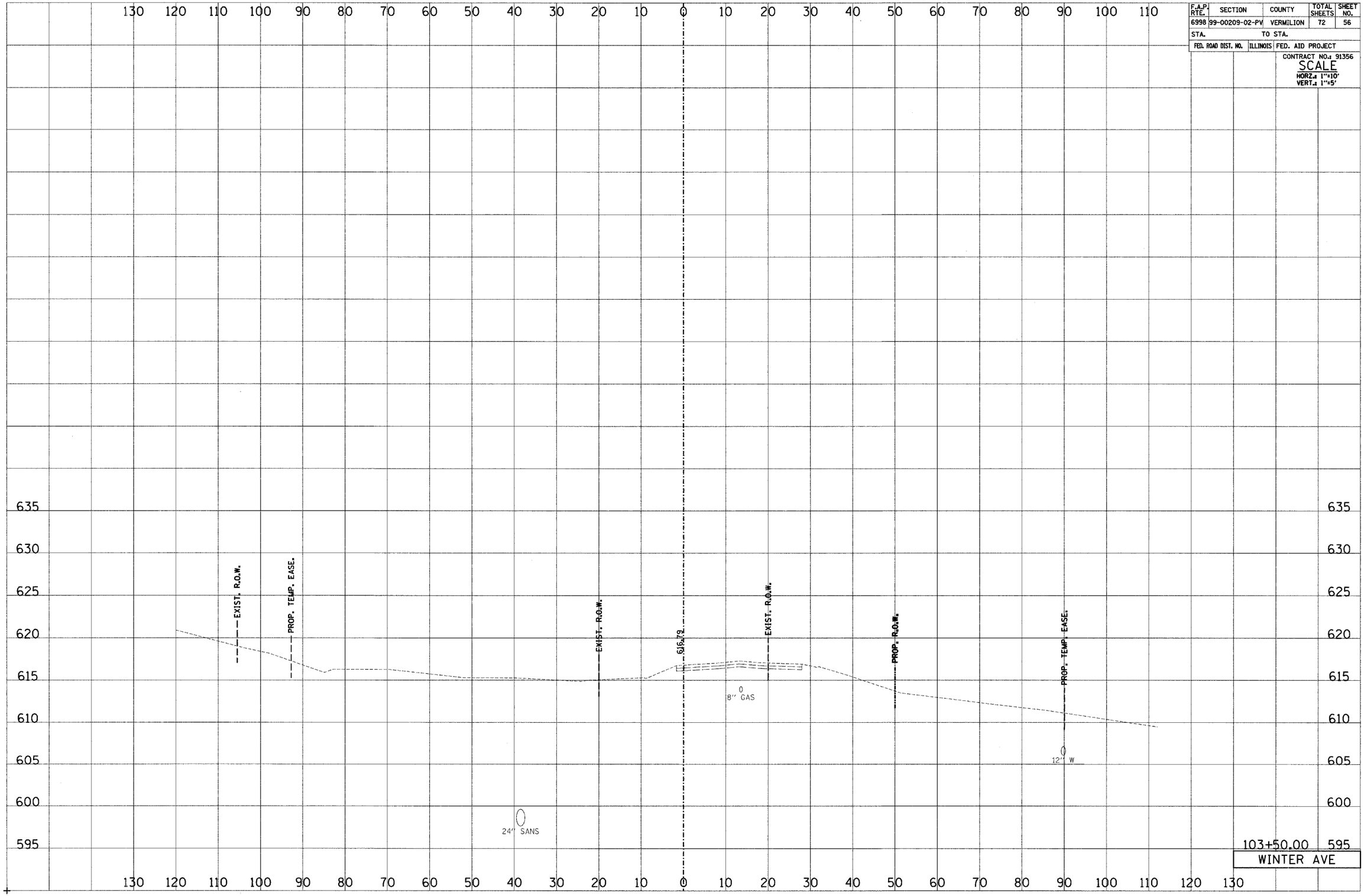
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	56
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO.: 91356

SCALE
HORZ.: 1"=10'
VERT.: 1"=5'

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

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



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	57
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO.: 91356

SCALE
HORZ.: 1"=10'
VERT.: 1"=5'

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

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

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110

655 650 645 640 635 630 625 620 615 610 605 600 595 590

PROP. TEMP. EASE.

624.27

0
8" GAS

0
24" SANS
W/36" CASING

104+00.00

WINTER AVE

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	58
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO.: 91356

SCALE
HORZ.: 1"=10'
VERT.: 1"=5'

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

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110

655 650 645 640 635 630 625 620 615 610 605 600 595 590

PROP. TEMP. EASE.

PROP. TEMP. EASE.

8.2%

9.2%

0
8" GAS

0
24" SANS
W/36" CASING

BEGIN INTERIM PAVEMENT
STA. 104+52.66

C=2.9
F=0.0

104+52.66

WINTER AVE

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	59
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO.: 91356

SCALE
HORZ.: 1"=10'
VERT.: 1"=5'

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

PROP. TEMP. EASE.
PROP. R.O.W.
EXIST. R.O.W.
614.89
617.35
7.88 %
6.00 %
1.50 %
4:1
3:1
24" RCP
0
8" GAS
24" SANS
PROP. TEMP. EASE.

C=1.9
F=211.9

105+50.41
(℄ P.E. LT.)

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

PROP. TEMP. EASE.
3:1
4:1
4:1
615.29
616.80
0
8" GAS
24" SANS
W/36" CASING

C=0.0
F=85.9

105+00.00

WINTER AVE

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

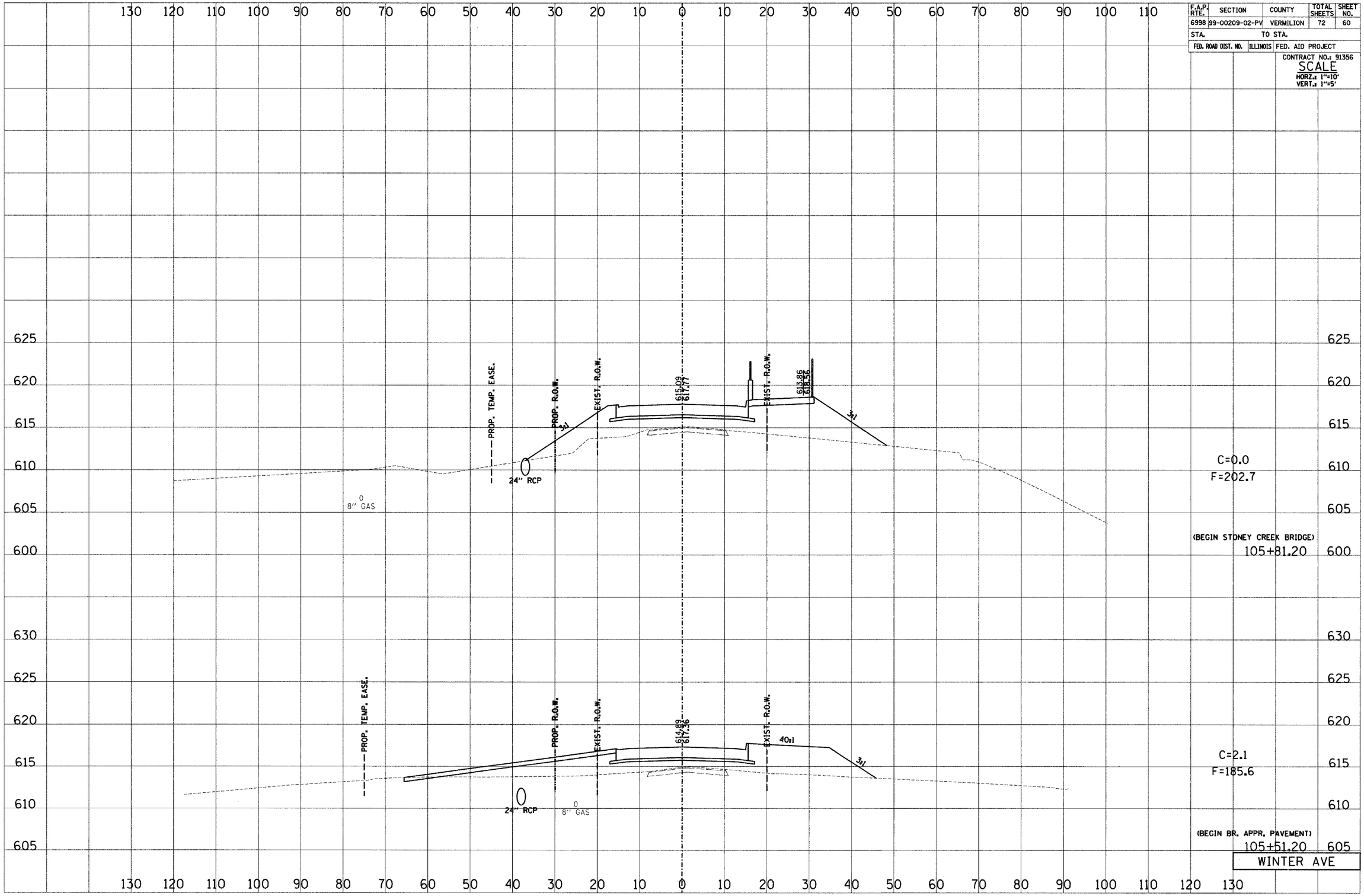
630 625 620 615 610 605 600 595 590

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	60
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO.: 91356

SCALE
HORZ.: 1"=10'
VERT.: 1"=5'

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



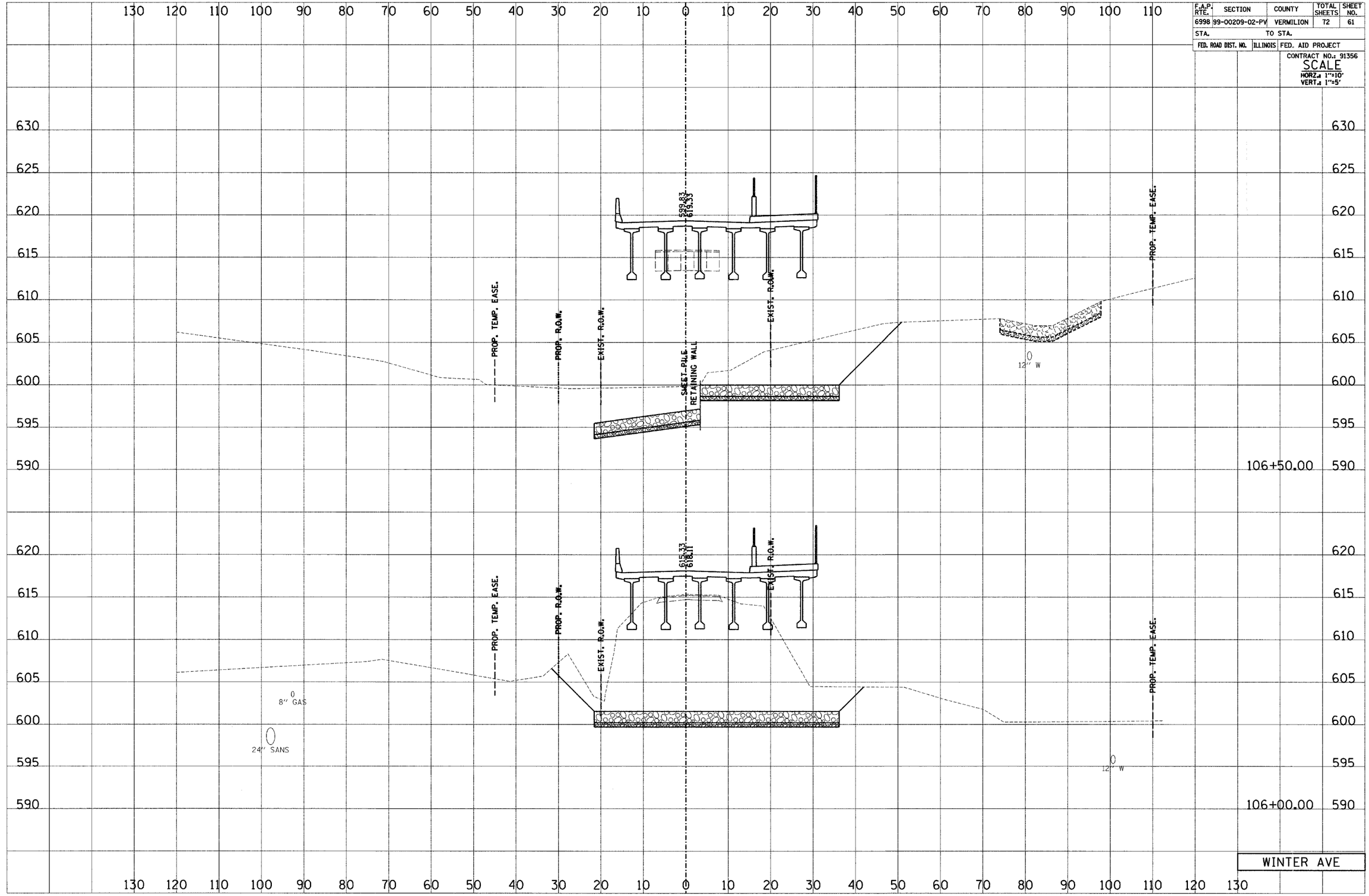
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	61
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO.: 91356

SCALE
HORZ.= 1"=10'
VERT.= 1"=5'

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	



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	62
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO.: 91356

SCALE
HORZ.: 1"=10'
VERT.: 1"=5'

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

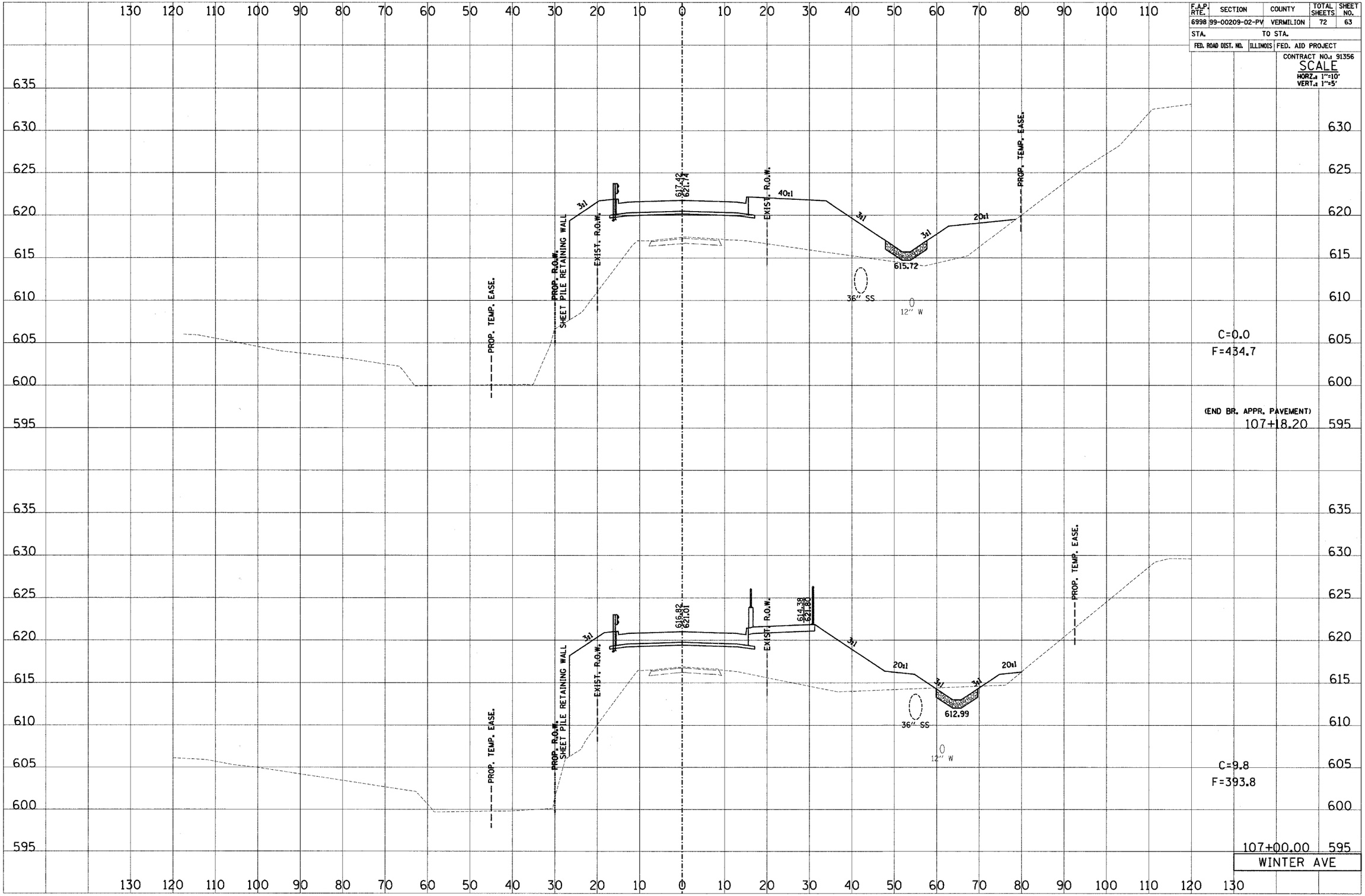
ORIGINAL SURVEY
NOTE BOOK
NO.
BY
DATE
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	63
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO.: 91356

SCALE
HORZ.: 1"=10'
VERT.: 1"=5'

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



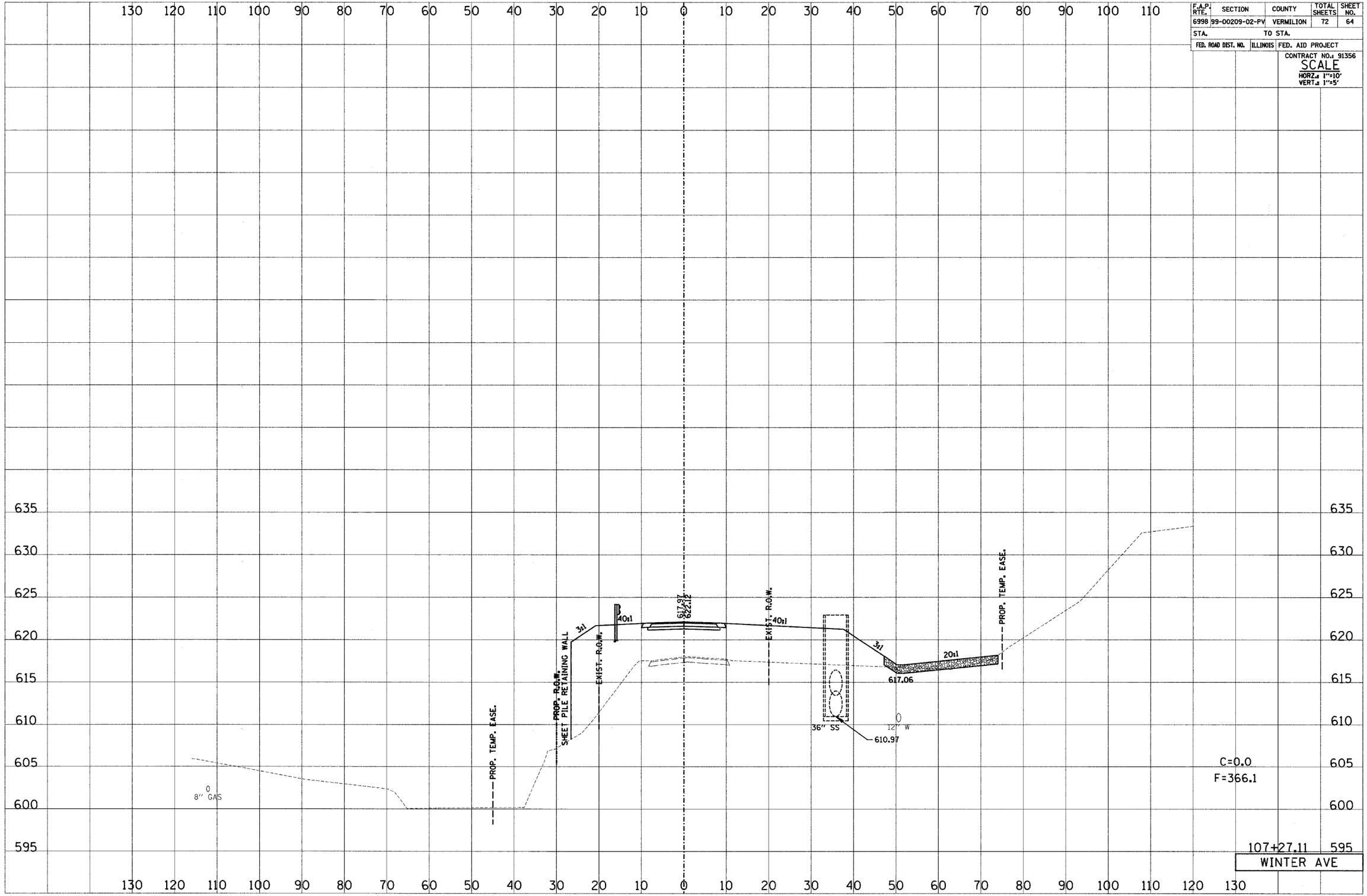
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	64
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO.: 91356

SCALE
HORZ.: 1"=10'
VERT.: 1"=5'

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

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



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	65
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO.: 91356

SCALE
HORZ.: 1"=10'
VERT.: 1"=5'

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

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

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110

645 640 635 630 625 620 615 610 605 600 595

PROP. TEMP. EASE.
PROP. R.O.W.
SHEET PILE RETAINING WALL
EXIST. R.O.W.
3:1
40:1
619.38
621.15
EXIST. R.O.W.
40:1
3:1
3:1
620.49
PROP. TEMP. EASE.
8" GAS
36" SS
12" W
C=0.0
F=324.8
107+50.00
WINTER AVE

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	66
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO.: 91356

SCALE
HORZ.: 1"=10'
VERT.: 1"=5'

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

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

PROP. TEMP. EASE.
PROP. R.O.W.
SHEET PILE RETAINING WALL
EXIST. R.O.W.
3:1
40:1
620.67
624.10
623.39
36" SS
8" GAS
12" W
C=37.0
F=242.2
107+69.31
WINTER AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	67
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO.: 91356

SCALE
HORZ.: 1"=10'
VERT.: 1"=5'

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

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

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110

650 645 640 635 630 625 620 615 610 605 600

PROP. TEMP. EASE.
PROP. R.O.W.
SHEET PILE RETAINING WALL
EXIST. R.O.W.
40:1
3:1
623.14
625.63
EXIST. R.O.W.
40:1
3:1
3:1
625.49
3:1
PROP. TEMP. EASE.
ELEC
12" W
36" SS
8" GAS

C=131.2
F=150.7

108+00.00

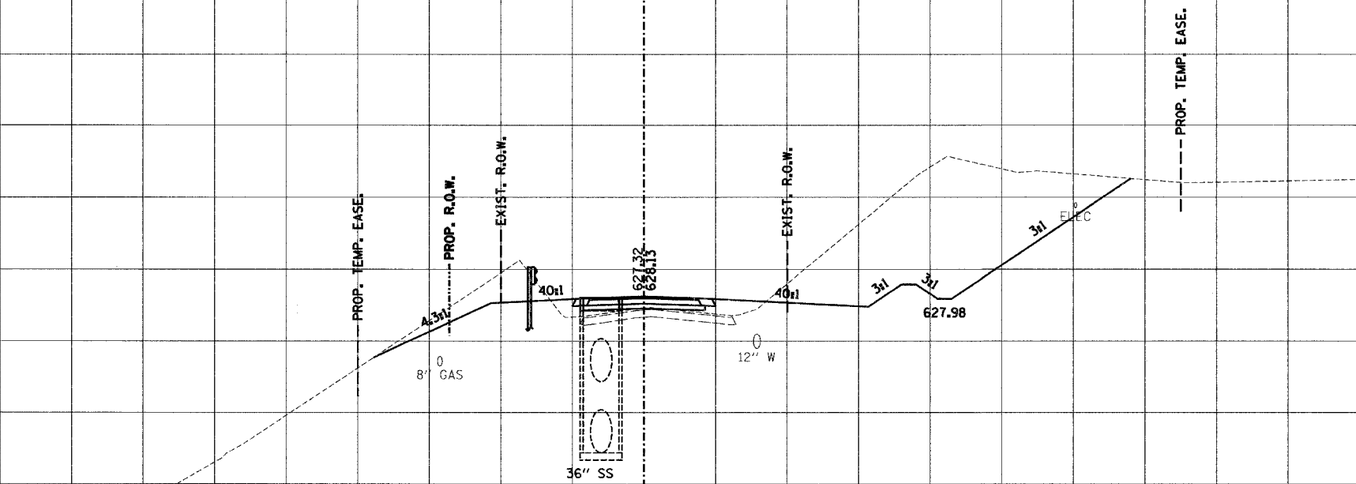
WINTER AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	68
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO.: 91356

SCALE
HORZ.: 1"=10'
VERT.: 1"=5'

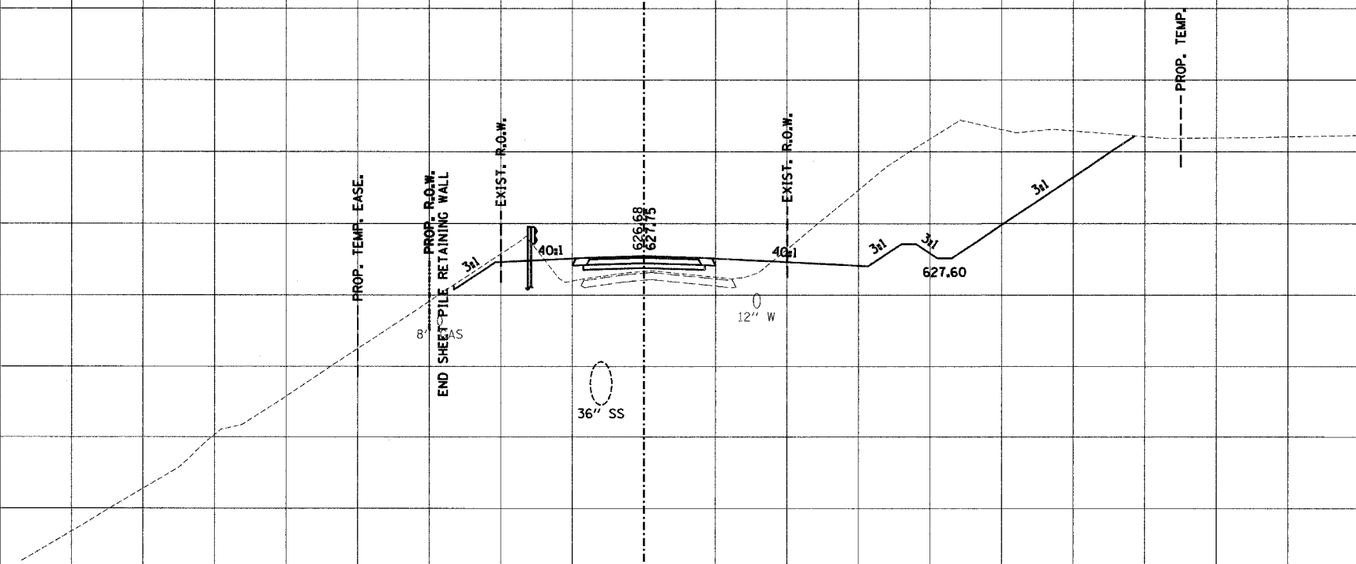
FINAL SURVEY	DATE
NOTE BOOK	BY
SURVEYED	
PLOTTED	
DRAWN	
AREAS	
AREAS CHECKED	
NO.	



C=280.7
F=25.8

108+50.00

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



C=249.9
F=34.6

108+42.38

WINTER AVE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	69
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO.: 91356

SCALE
HORZ.: 1"=10'
VERT.: 1"=5'

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

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

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110

650 645 640 635 630 625 620

PROP. TEMP. EASE.
EXIST. R.O.W.
EXIST. R.O.W.
PROP. TEMP. EASE.

3:1
40:1
630.38
8" GAS
12" W
36" SS
ELEC
3:1
3:1
630.48
3:1
ELEC

END INTERIM PAVEMENT
STA. 108+76.02

C=202.3
F=0.0

109+00.00

PROP. TEMP. EASE.
EXIST. R.O.W.
EXIST. R.O.W.
PROP. TEMP. EASE.

12.1:1
40:1
629.43
629.43
8" GAS
36" SS
12" W
40:1
3:1
3:1
629.28
ELEC
3:1

C=264.8
F=2.9

108+76.02

WINTER AVE

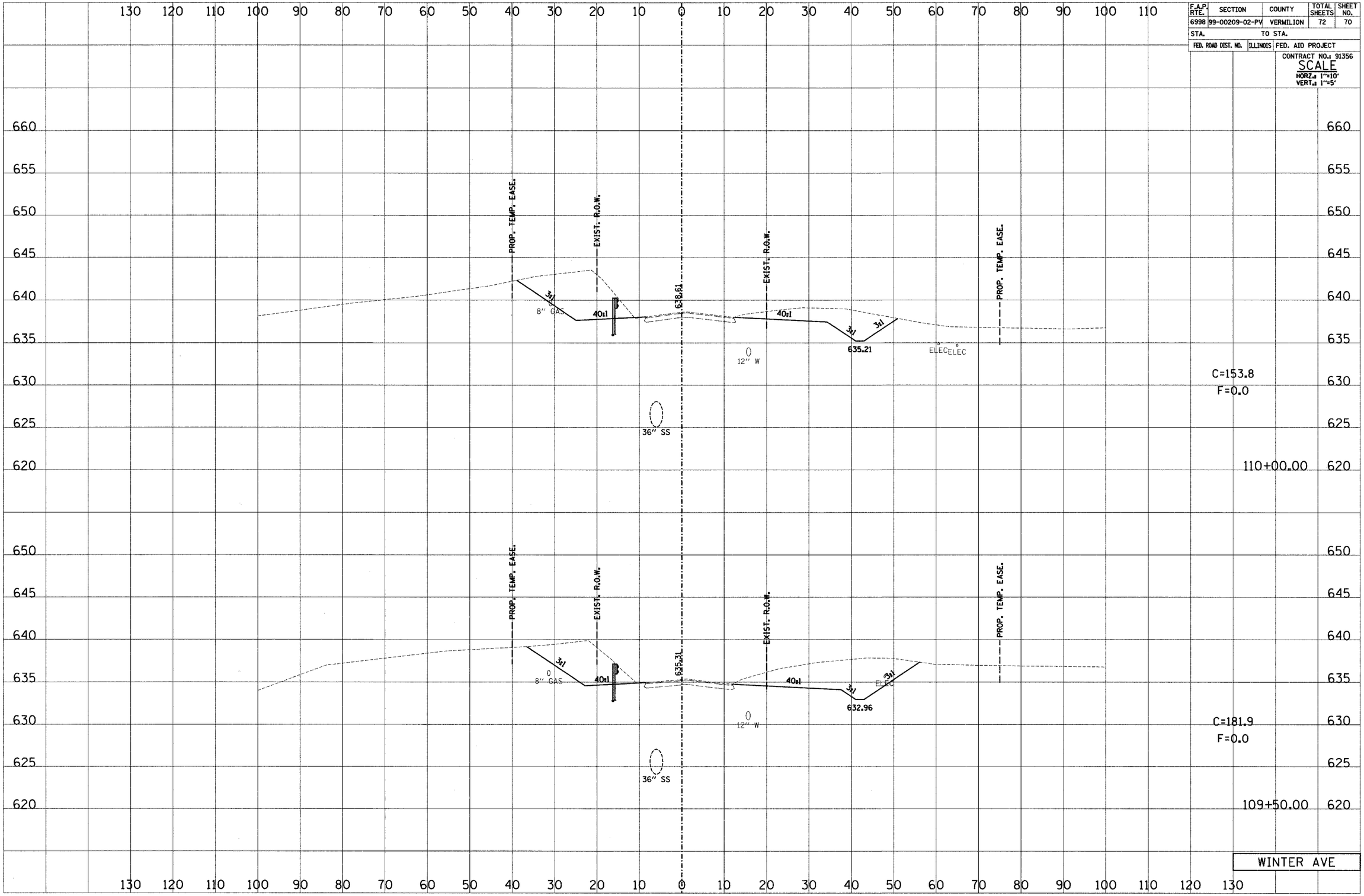
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	70
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO.: 91356

SCALE
HOR'Z.: 1"=10'
VERT.: 1"=5'

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

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

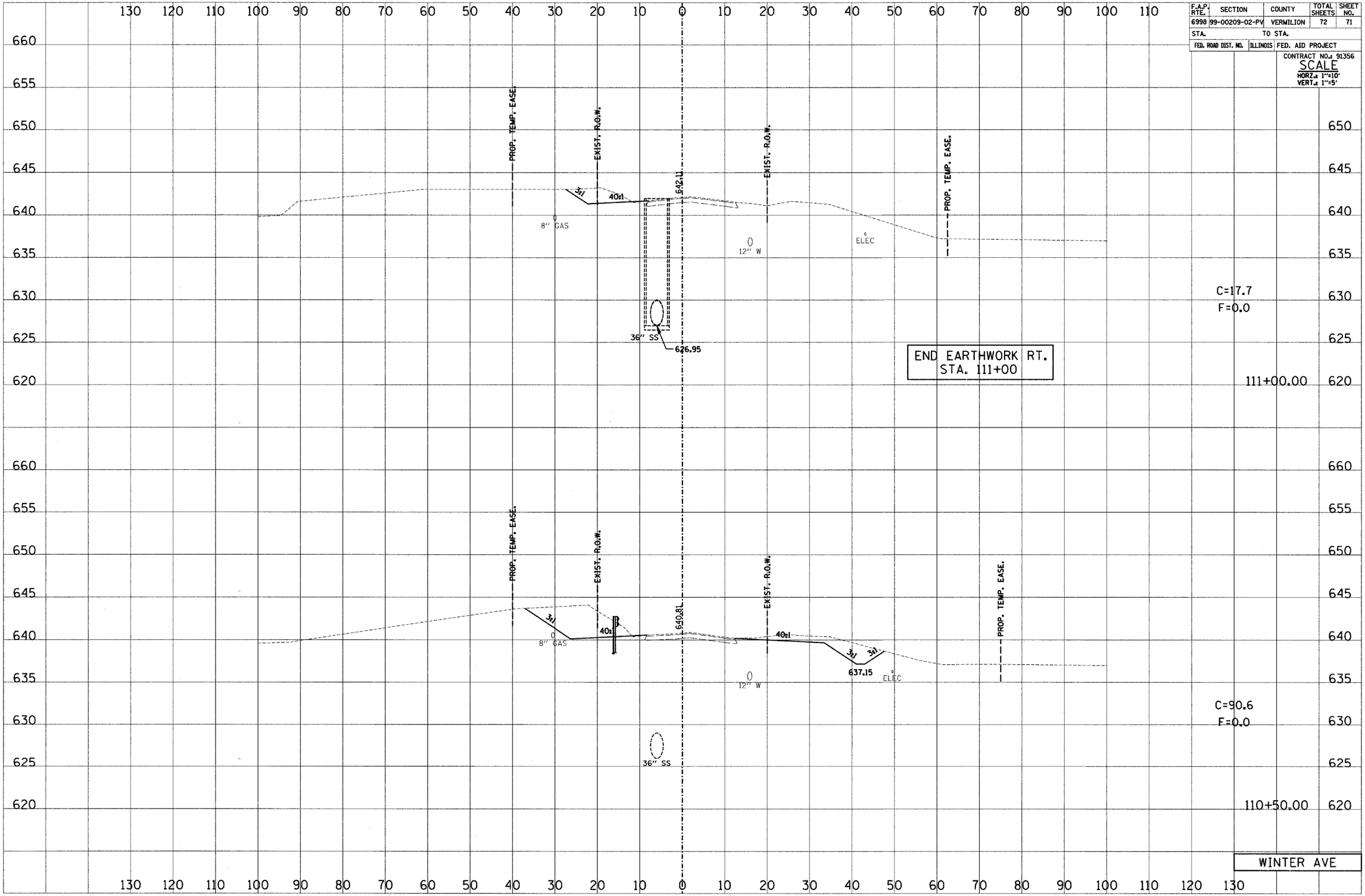


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	71
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO.: 91356

SCALE
HORZ.: 1"=10'
VERT.: 1"=5'

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



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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6998	99-00209-02-PV	VERMILION	72	72
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO.: 91356

SCALE
HORZ.: 1"=10'
VERT.: 1"=5'

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TOPSOIL		
AREAS		
AREAS CHECKED		

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TOPSOIL		
AREAS		
AREAS CHECKED		

BY	DATE

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110

660 655 650 645 640 635 630 625

PROP. TEMP. EASE.
PROP. TEMP. EASE.
EXIST. R.O.W.
642.99
EXIST. R.O.W.
PROP. TEMP. EASE.
8" GAS
12" W
ELEC
36" SS

112+00.00

PROP. TEMP. EASE.
EXIST. R.O.W.
642.89
EXIST. R.O.W.
PROP. TEMP. EASE.
8" GAS
12" W
ELEC
36" SS

END EARTHWORK LT.
STA. 111+50

111+50.00

WINTER AVE

130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130