F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	1
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS FED. AID PROJECT 2MQY(061)			

INDEX OF SHEETS:

06-12-2020 LETTING ITEM 206

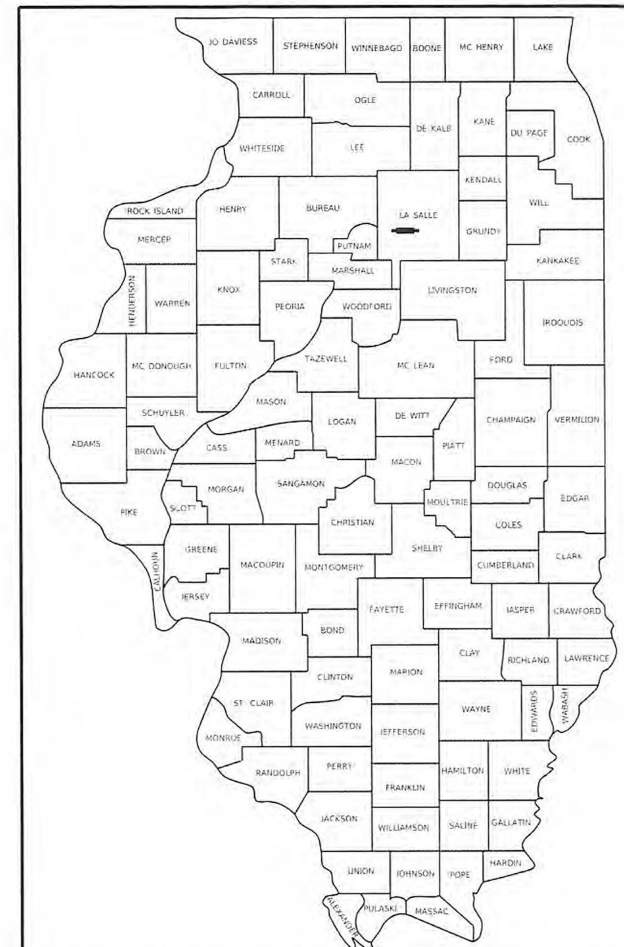
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID PROJECT ILLINOIS SPECIAL BRIDGE PROGRAM (FY–20)

F.A.S. 263 (C.H. 5)
SECTION 14–00763–00–BR
PROJECT 2MQY(061)
STRUCTURE REPLACEMENT
LASALLE COUNTY

C–93–007–19



LOCATION OF SECTION INDICATED THUS:

LOCATION MAP SCALE 0 1 2 4 MILES

RANGE 2 EAST OF 3RD PM

RANGE 3 EAST OF 3RD PM

PROPOSED STRUCTURE: S.N. 050-3601
A SINGLE SPAN (214'-0") REINFORCED CONCRETE DECK ON COMPOSITE STEEL PLATE GIRDER BRIDGE ON VERTICAL ABUTMENTS AT STATION 20+00. NO SKEW.

EXISTING STRUCTURE: S.N. 050-3019
A THREE SPAN (50'-0":192'-0":50'-0") RIVETED PRATT THRU TRUSS REINFORCED CONCRETE DECK BRIDGE ON STEEL PILE STUB ABUTMENTS AT STATION 20+00. NO SKEW.

CONSTRUCTION BEGINS STATION 10+00.00

CONSTRUCTION ENDS STATION 30+00.00

GROSS LENGTH = 2,000 FT = 0.379 MILE
NET LENGTH = 2,000 FT = 0.379 MILE

FOR LIST OF UTILITIES SEE SHEET NO. 02

1" = 100' 1" = 10' 1" = 50' 1" = 40' 1" = 30' 1" = 20'

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

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

PROJECT ENGINEER – PLP
PROJECT MANAGER – BKC

CONTRACT NO. 87692

FUNCTIONAL CLASSIFICATION
MAJOR COLLECTOR
DESIGN SPEED 50 MPH
2019 ADT = 1,295
3R GUIDELINES

LASALLE COUNTY HIGHWAY DEPARTMENT

APPROVED 3-26 2020
LASALLE COUNTY ENGINEER

PASSED 4-9 2020
DISTRICT 3 LOCAL ROADS & STREETS ENGINEER

RELEASING FOR BID BASED ON LIMITED REVIEW 4-9 2020
REGION 2 ENGINEER

GEOFFREY F. SMITH 062-049202 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

DATE: 3/26/2020
EXPIRES 11/30/21

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T 815-284-3381 DESIGN FIRM #184-000918

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HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABREVIATIONS, AND PATTERNS
001001-02	AREA OF REINFORCEMENT BARS
280001-07	TEMPORARY EROSOIN CONTROL SYSTEMS
420406-00	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
515001-04	NAME PLATE FOR BRIDGES
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602401-06	PRECAST MANHOLE TYPE A 4' DIAMETER
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-16	TRAFFIC BARRIER TERMINAL, TYPE 6
635001-02	DELINEATORS
666001-01	RIGHT OF WAY MARKERS
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUADRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS **(2-LANE 2 WAY RURAL TRAFFIC.) (RD. CLOSED TO THRU TRAFF.)**

GENERAL NOTES

A NATIONWIDE 404 PERMIT HAS BEEN ISSUED FOR THIS PROJECT AND THE CONDITIONS OF THAT PERMIT MUST BE ADHERED TO.

EXISTING STRUCTURES (INCLUDING FOUNDATIONS, WALLS, CISTERNS, WELLS, OR OTHER UNDERGROUND STRUCTURES) WITHIN THE RIGHT OF WAY SHALL BE REMOVED IN ACCORDANCE WITH ARTICLE 501.04 AND 501.05 OF THE STANDARD SPECIFICATIONS, WITHOUT ADDITIONAL COMPENSATION, UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIAL PROVISIONS.

THE REMOVAL OF BITUMINOUS SURFACING LESS THAN 6 INCH THICKNESS NOT ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION. THE REMOVAL OF BITUMINOUS SURFACING ON A RIGID TYPE BASE OR A THICKNESS OF 6 INCHES OR MORE ON A FLEXIBLE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PAVEMENT REMOVAL OF THE TYPE SPECIFIED.

THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS.

THE FINAL TOP FOUR INCHES OF SOIL IN ANY RIGHT-OF-WAY AREA DISTURBED BY THE CONTRACTOR MUST BE CAPABLE OF SUPPORTING VEGETATION. THE SOIL MUST BE FROM THE A HORIZON (ZERO TO 2' DEEP) OF SOIL PROFILES OF LOCAL SOILS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES BID FOR TOPSOIL FURNISH AND PLACE, 4" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE COUNTY PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.

FERTILIZER NUTRIENTS SHALL BE APPLIED AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS SHALL BE INCLUDED IN THE COST OF THE SEEDING OR SODDING.

4' MANHOLE AT STATION 21+23.81 IS A DEEP MANHOLE (26.57'). THIS MANHOLE CAN BE CONSTRUCTED IN SECTIONS AS FILL MATERIAL IS PLACED TO BRING THE ROADWAY BACK UP TO GRADE.

ALL "AGGREGATE SUBGRADE IMPROVEMENT"(BDE SP 80247), SHALL BE COMPLETED IN ACCORDANCE WITH ARTICLES 311.04, 311.05, 311.05(A), 311.06 AND 311.07. ALL AGGREGATE SUBGRADE THICKNESSES EQUAL TO OR LESS THAN 12 INCHES SHALL BE CONSTRUCTED OF AGGREGATE OF CA02 GRADATION. ALL AGGREGATE SUBGRADE THICKNESSES GREATER THAN 12 INCHES SHALL BE CONSTRUCTED OF CS02.

PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:

1. ALL WORDS, SUCH AS ONLY, SHALL BE 8 FEET HIGH.
2. ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
3. THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8 INCHES, NOT 7 INCHES, AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.

WHERE THE PROPOSED CONSTRUCTION MEETS AN EXISTING BITUMINOUS OR CONCRETE SURFACE, OR WHERE SAWING IS STATED ON THE PLANS, THE EXISTING SURFACE SHALL BE SAWED IN A NEAT, STRAIGHT LINE. COST OF SAWING IS TO BE INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

ALL PAVEMENT SHALL BE CLEANED AND "FRESH OIL" SIGNS SHALL BE PLACED AT ALL INTERSECTIONS OF THE STREETS PRIOR TO APPLYING BITUMINOUS MATERIALS (PRIME COAT).

GENERAL NOTES (CONT.)

THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL FIELD TILES, UNDERGROUND AND SURFACE UTILITIES AS OUTLINED IN SECTION 107 OF THE STANDARD SPECIFICATIONS, EVEN THOUGH THEY MAY NOT BE SHOWN IN THE PLANS. ANY FIELD TILE THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKERS AND SECTION OR SUBSECTION MONUMENTS ENCOUNTERED UNTIL AN OWNER, AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. ANY PROPERTY MARKERS AND SECTION OR SUBSECTION MONUMENTS, UNLESS REFERENCED, DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

ALL CONSTRUCTION MATERIALS WITHIN THE COUNTY ROW MUST BE IDOT CERTIFIED. DOCUMENTATION OF MATERIAL CERTIFICATION SHALL BE SUBMITTED PRIOR TO ENGINEER APPROVAL. ALL CONSTRUCTION MATERIAL NEEDING INSPECTION SHALL BE DONE ACCORDING TO THE LATEST IDOT PROJECT AND PROCEDURES GUIDE.

REMOVAL OF CONCRETE DRIVEWAY RIGHT STATION 21+87 IS INCLUDED IN THE QUANTITIES FOR PAVEMENT REMOVAL.

ALL UTILITY POLES, GAS PIPES, ETC. IN THE WAY OF THE IMPROVEMENTS SHALL BE MOVED BY THE UTILITIES PRIOR TO CONSTRUCTION AND SHALL NOT BE INCLUDED IN THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE RESPECTIVE UTILITIES TO MAKE THE NECESSARY ADJUSTMENTS PRIOR TO CONSTRUCTION.

THE LOCATION AND ELEVATION OF THE VARIOUS UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE NOT TO BE TAKEN AS EXACT. THE CONTRACTOR SHALL USE SPECIAL CARE WHEN CONDUCTING CONSTRUCTION OPERATIONS NEAR THEM TO PREVENT DAMAGE.

THE LOCATION OF EXISTING FIELD TILES AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN IN THE PLANS ARE NOT TO BE TAKEN AS EXACT. EXACT LOCATION OF ALL FIELD TILES AND UTILITIES IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

COMED
PUBLIC RELOCATION DEPT
ONE LINCOLN CENTRE,
OAKBROOK TERRACE, IL
CONTACT: KYLE ISEK

FRONTIER COMMUNICATIONS
112 ELM STREET
SYCAMORE IL 60178
CONTACT: KALIN HINSHAW
PHONE: (815) 895 - 1515
EMAIL: KALIN.HINSHAW@FTR.COM
DESIGN STAGE TICKETS: X0420652

LASALLE COUNTY HIGHWAY DEPT.
P.O. BOX 128
1400 N. 27TH ROAD
LASALLE, IL 61350
CONTACT: MICHAEL BUITING
PHONE: (815) 434 - 0743
EMAIL: MBUITING@LASALLECOUNTYHIGHWAY.ORG

THE CROSS SECTION CUTS AND FILLS ARE SHOWN IN SPREAD SHEET FORM ON SHEET #72 CROSS SECTION - EARTHWORK.

THE AREA TO BE PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAYS PRODUCTIVITY, BUT NO MORE THAN FIVE (5) DAYS IN ADVANCE OF THE PLACEMENT OF THE HMA, UNLESS APPROVED BY THE ENGINEER.

WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY DEBRIS IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THIS DEBRIS SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.

AS PART OF THE BIDDING PROCEDURE, THE CONTRACTOR SHALL VERIFY THAT THE QUANTITIES FOR PAY ITEMS AS PRESENTED IN THESE PLAN DOCUMENTS ARE SUBSTANTIALLY CORRECT; IF DISCREPANCIES ARE DETECTED THE CONTRACTORS SHALL NOTIFY THE ENGINEER AND OWNER AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION IN ORDER TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION. WORK PERFORMED OR MATERIALS AND EQUIPMENT INSTALLED WITHOUT INSPECTION MAY BE CONSIDERED UNACCEPTABLE AT THE DISCRETION OF THE ENGINEER AND MAY HAVE TO BE REPLACED AT NO COST TO THE ENGINEER OR OWNER.

FINAL INSPECTION OF THE WORK PERFORMED UNDER THIS CONTRACT WILL BE DONE BY THE ENGINEER OR OWNER PRIOR TO FINAL ACCEPTANCE; DEFECTS SHALL BE CORRECTED BY THE CONTRACTOR WITHOUT COST TO THE OWNER PRIOR TO ISSUANCE OF THE FINAL PAYMENT. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE GUARANTEED WITH REGARD TO WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER DATE OF FINAL PAYMENT TO THE CONTRACTOR; DEFECTS WHICH ARISE DURING THE GUARANTEE PERIOD SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER WITHIN 30 DAYS OF RECEIVING NOTIFICATION OF THE DEFECT.

CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURE DURING THE COURSE OF THE PROJECT.

GENERAL NOTES (CONT.)

AT THE END OF EACH WORK DAY, THE CONTRACTOR SHALL SWEEP OR CLEAN (NOT FLUSH) ANY CONSTRUCTION SOIL MATERIAL FROM THE STREET TO PREVENT TRACKING. THE ENGINEER SHALL HAVE AUTHORIZATION TO DETERMINE THE ADEQUACY OF CONTRACTOR'S EROSION CONTROL EFFORTS. THE OWNER SHALL HAVE AUTHORITY TO SUSPEND OR LIMIT THE CONTRACTOR'S OPERATIONS PENDING ADEQUATE PERFORMANCE.

BRIDGE FLOWS MUST BE MAINTAINED THROUGHOUT THE PROJECT. NORMAL FLOW SHALL BE ALLOWED TO PASS AT THE RATE IT ENTERS THE JOB SITE. HIGH FLOWS SHALL BE ALLOWED TO PASS WITHOUT CAUSING DAMAGE TO UPSTREAM PROPERTIES.

DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL INSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. SITE DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING, OR ANY OTHER METHOD ACCEPTABLE TO THE ENGINEER. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUIRED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF.

ALL DUST ON-SITE SHALL BE CONTROLLED BY THE USE OF WATER BASED PRODUCTS ONLY. NO OILS OR PETROLEUM BASED AGENTS SHALL BE PERMITTED FOR DUST CONTROL.

THE APPLICABLE PORTIONS OF ARTICLE 105.07 OF THE STANDARD SPECIFICATION SHALL APPLY EXCEPT FOR THE FOLLOWING: THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE THE VERTICAL DEPTHS OF THE UNDERGROUND UTILITIES WHICH MAY INTERFERE WITH CONSTRUCTION OPERATIONS. THIS WORK WILL NOT BE MEASURED OR PAID FOR SEPARATELY. BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICE FOR THE ITEM OF CONSTRUCTION INVOLVED.

COMMITMENTS

1. ALL TREE CLEARING SHALL TAKE PLACE BETWEEN OCTOBER 1ST AND MARCH 31ST TO SATISFY USFWS BAT REQUIREMENTS.
2. THE CONTRACTOR SHALL TAKE EXTRA CARE TO STAY CLEAR OF AND NOT DISTURB THE IDNR PROPERTY LEFT OF STATION 20+50 TO STATION 30+00.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE DESIGN	HMA BINDER	HMA SURFACE
PG GRADE:	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION	IL 19.0	IL 9.5
FRICTION AGGREGATE	N/A	C
DENSITY TEST METHOD	CORES	CORES
MIX UNIT WEIGHT	112LBS/SY/IN	112LBS/SY/IN
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA
SUBLOT SIZE	N/A	N/A
LOCATION(S)	ENTIRE PROJECT	ENTIRE PROJECT

PROJECT CONTROL

VERTICAL CONTROL

BENCHMARK	STATION	ELEVATION	DESCRIPTION
400	15.00' LT 13+30	573.35	RR SPK IN TOP OF WOOD GUARD RAIL POST
401	13.00' LT 18+50	562.14	CHIS "□" ON NW WINGWALL OF STRUCTURE
402	13.00' RT 21+50	562.21	CHIS "□" ON SE WINGWALL OF STRUCTURE
403	15.00' LT 24+50	570.01	CHIS "□" ON TOP OF CURB
404	14.00' LT 27+31	586.98	CHIS "□" ON TOP OF CURB

HORIZONTAL CONTROL

POINT #	STATION	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	16.78' LT 13+10	1649044.51	826693.33	571.23	3/8" IPS ±8' WEST OF END OF GUARDRAIL NORTH SIDE OF CH 5
2	33.50' LT 18+10	1649043.90	827184.36	557.59	5/8" NORTH WEST QUADRANT OF BRIDGE
3	22.26' LT 21+86	1649013.44	827558.95	558.88	5/8" IPS BETWEEN OLD BIT. ENT & GUADRAIL SE QUADREANT OF BRIDGE
4	15.90' RT 28+36	1649017.43	828206.46	593.18	PK NAIL IN ENTRANCE TO GUN CLUB SOUTH SIDE OF CH 5

REVISION	DATE	BY	REMARKS

DESIGNED GBG
DRAWN GBG
REVIEWED LGN
APPROVED GFS

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 81 5-428 38 1E DGN F IRM #184-0009 18

GENERAL NOTES, HMA MIX DESIGN & PROJECT CONTROL
STRUCTURE NO. 050-3019

SHEET NO. 1 OF 1 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	02

WHA# 1160D14
CONTRACT NO. 87692
ILLINOIS FED. AID PROJECT 2MQY(061)

SUMMARY OF QUANTITIES

SPECIAL	PAY CODE	PAY ITEM NAME	UNIT	QUANTITY
Δ	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	21
Δ	20100500	TREE REMOVAL, ACRES	ACRE	1.5
*	20200200	ROCK EXCAVATION	CU YD	1,267
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	94
	20300100	CHANNEL EXCAVATION	CU YD	897
	20400800	FURNISHED EXCAVATION	CU YD	11,100
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	7,443
Δ	25100630	EROSION CONTROL BLANKET	SQ YD	7,443
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	308
	28000305	TEMPORARY DITCH CHECKS	FOOT	240
	28000400	PERIMETER EROSION BARRIER	FOOT	2,564
	28000500	INLET AND PIPE PROTECTION	EACH	7
*	28100207	STONE RIPRAP, CLASS A4	TON	6,385
	28300400	AGGREGATE DITCH	TON	1,044
*	30300011	AGGREGATE SUBGRADE IMPROVEMENT	TON	3,431

SPECIAL	PAY CODE	PAY ITEM NAME	UNIT	QUANTITY
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	11,179
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,101
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,262
	40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	445
	42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	244
	44000100	PAVEMENT REMOVAL	SQ YD	3,732
	44000400	GUTTER REMOVAL	FOOT	199
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	451
	48100100	AGGREGATE SHOULDERS, TYPE A	TON	466
*	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
	50200100	STRUCTURE EXCAVATION	CU YD	3,499
*	50300225	CONCRETE STRUCTURES	CU YD	1,225.3
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	350.8
	50300260	BRIDGE DECK GROOVING	SQ YD	993
	50300300	PROTECTIVE COAT	SQ YD	1,260

Δ SPECIALTY ITEMS

REVISION	DATE	BY	REMARKS

DESIGNED GFS
DRAWN GBG
REVIEWED LGN
APPROVED GFS

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SUMMARY OF QUANTITIES

SHEET NO. 1 OF 3 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	03

WHA# 1160D14 CONTRACT NO. 87692
ILLINOIS | FED. AID PROJECT 2MQY(061)

SUMMARY OF QUANTITIES

SPECIAL	PAY CODE	PAY ITEM NAME	UNIT	QUANTITY
	50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	103.2
	50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1
*	50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	157,420
*	50500505	STUD SHEAR CONNECTORS	EACH	3,410
	50700305	HARDWARE	POUND	2,760
	50800105	REINFORCEMENT BARS	POUND	170,820
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	235,670
	51500100	NAME PLATES	EACH	1
*	51602000	PERMANENT CASING	FOOT	110
*	51603000	DRILLED SHAFT IN SOIL	CU YD	259.2
*	51604000	DRILLED SHAFT IN ROCK	CU YD	420.4
	52100540	ANCHOR BOLTS, 1 1/2"	EACH	30
	52200015	PERMANENT SHEET PILING	SQ FT	27,370
	54262715	METAL FLARED END SECTIONS 15"	EACH	2
*	542D1060	PIPE CULVERTS, CLASS D, TYPE 2 15"	FOOT	50

	SPECIAL	PAY CODE	PAY ITEM NAME	UNIT	QUANTITY
		550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	120
	*	58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	6,273
		59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	1,908
		59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	261.3
		60219100	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 9 FRAME AND GRATE	EACH	1
		60602500	CONCRETE GUTTER, TYPE A	FOOT	1,208
△		63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	2,500.0
△		63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4
△		63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
		63200310	GUARDRAIL REMOVAL	FOOT	2,669
		66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	1
	*	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	16
		67100100	MOBILIZATION	L SUM	1
△		72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
△		78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	7,981

△ SPECIALTY ITEMS

REVISION	DATE	BY	REMARKS

DESIGNED GFS
DRAWN GBG
REVIEWED LGN
APPROVED GFS

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000916

SUMMARY OF QUANTITIES
SHEET NO. 2 OF 3 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	04
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

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SUMMARY OF QUANTITIES

	SPECIAL	PAY CODE	PAY ITEM NAME	UNIT	QUANTITY
Δ		78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	25
	*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
	*	Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	6
	*	Z0022800	FENCE REMOVAL	FOOT	151
	*	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	1,409
Δ	*	Z0051500	REMOVING AND RESETTING STREET SIGNS	EACH	7
	*	X0324058	OUTLET SPECIAL	EACH	3
	*	X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	4,301
Δ	*	X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.53
	*	X2810212	STONE RIPRAP, CLASS A6 (SPECIAL)	TON	778
	*	X5210160	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 450K	EACH	5
	*	X6024240	INLETS, SPECIAL	EACH	5
	*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
	*	XX009379	STAINLESS STEEL REINFORCEMENT	POUND	560

Δ SPECIALTY ITEMS

REVISION	DATE	BY	REMARKS

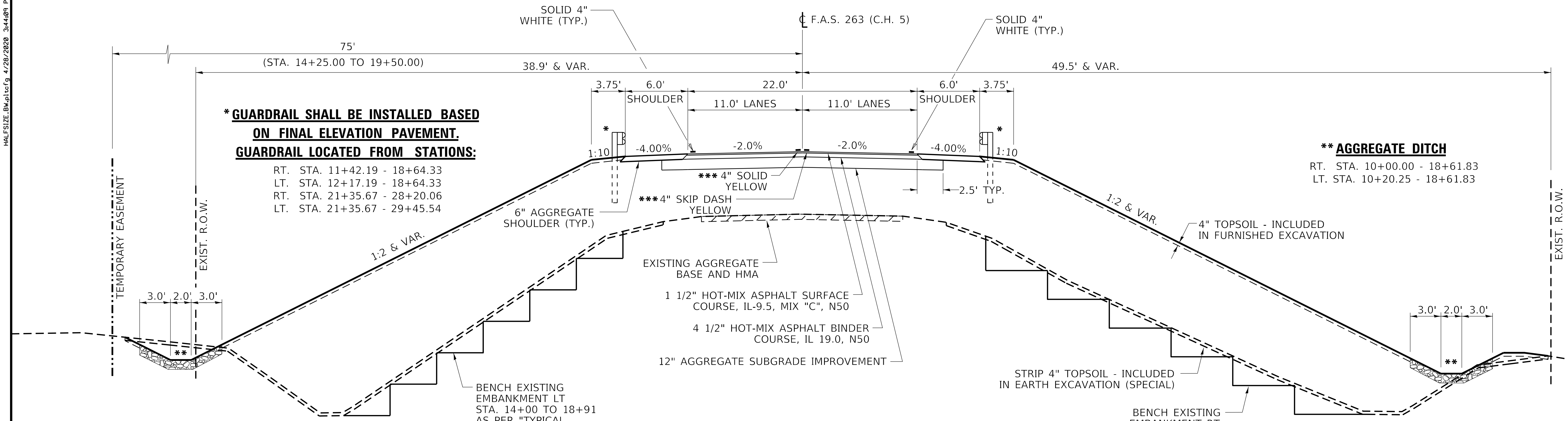
DESIGNED GFS
DRAWN GBG
REVIEWED LGN
APPROVED GFS

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000916

SUMMARY OF QUANTITIES
SHEET NO. 3 OF 3 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	05
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS FED. AID PROJECT 2MQY(061)			



***GUARDRAIL SHALL BE INSTALLED BASED ON FINAL ELEVATION PAVEMENT. GUARDRAIL LOCATED FROM STATIONS:**

RT. STA. 11+42.19 - 18+64.33
LT. STA. 12+17.19 - 18+64.33
RT. STA. 21+35.67 - 28+20.06
LT. STA. 21+35.67 - 29+45.54

**** AGGREGATE DITCH**

RT. STA. 10+00.00 - 18+61.83
LT. STA. 10+20.25 - 18+61.83

PROPOSED TYPICAL SECTION

STA. 11 + 42.19 – STA. 18.61.83

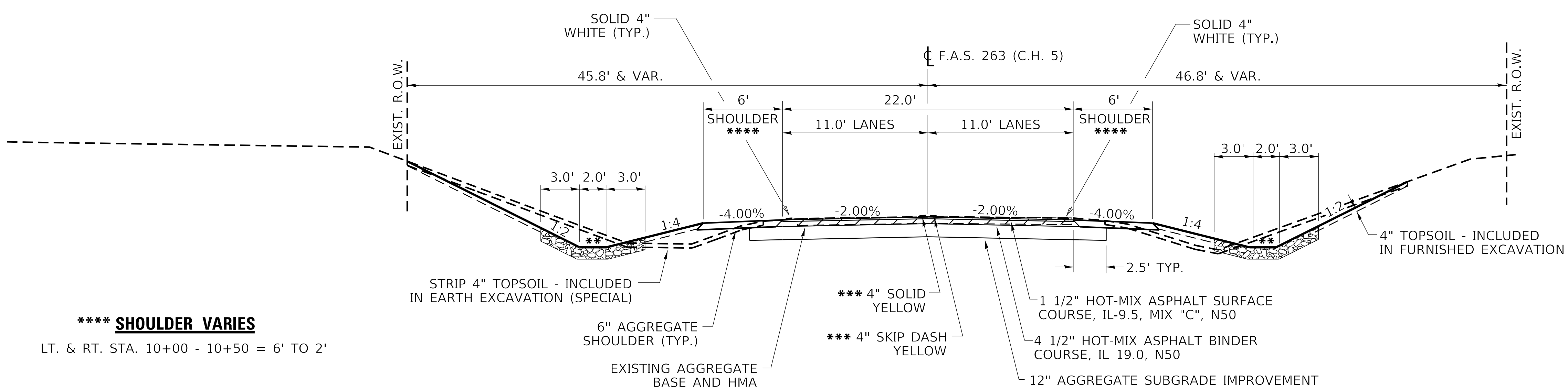
(BRIDGE OMITTED STA. 18 + 61.83 – STA. 21 + 38.16)

***** PAVEMENT MARKINGS**

SOLID YELLOW & SKIP DASH @ CL STA. 10+00 - STA. 15+66

SKIP DASH YELLOW @ CL STA. 15+66 - STA. 22+20

SOLID YELLOW & SKIP DASH @ CL STA. 22+20 - 30+00



**** AGGREGATE DITCH**

RT. STA. 10+00.00 - 18+61.83
LT. STA. 10+20.25 - 18+61.83

****** SHOULDER VARIES**

LT. & RT. STA. 10+00 - 10+50 = 6' TO 2'

PROPOSED TYPICAL SECTION

STA. 10 + 50.00 – 11 + 42.19

REVISION	DATE	BY	REMARKS		
				DESIGNED	GFS
				DRAWN	DLB
				REVIEWED	LGN
				APPROVED	GFS

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

TYPICAL SECTIONS

SHEET NO. 1 OF 2 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	06
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		

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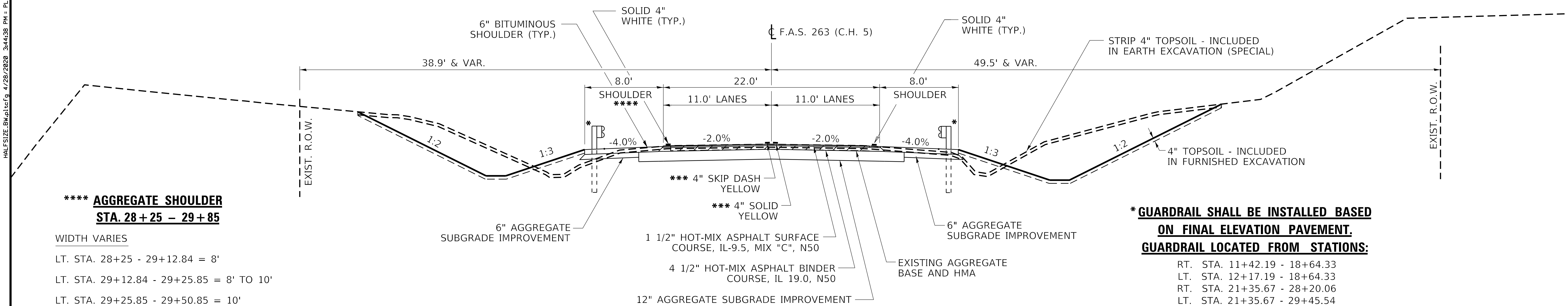


**** **AGGREGATE SHOULDER**
STA. 28+25 – 29+85

WIDTH VARIES

LT. STA. 28+25 - 29+12.84 = 8'

LT. STA. 29+12.84 - 29+25.85 = 8' TO 10'

LT. STA. 29+25.85 - 29+50.85 = 10'

LT. STA. 29+50.85 - 29+85 = 10' TO 2'

* **GUARDRAIL SHALL BE INSTALLED BASED ON FINAL ELEVATION PAVEMENT. GUARDRAIL LOCATED FROM STATIONS:**

RT. STA. 11+42.19 - 18+64.33
LT. STA. 12+17.19 - 18+64.33
RT. STA. 21+35.67 - 28+20.06
LT. STA. 21+35.67 - 29+45.54

PROPOSED TYPICAL SECTION

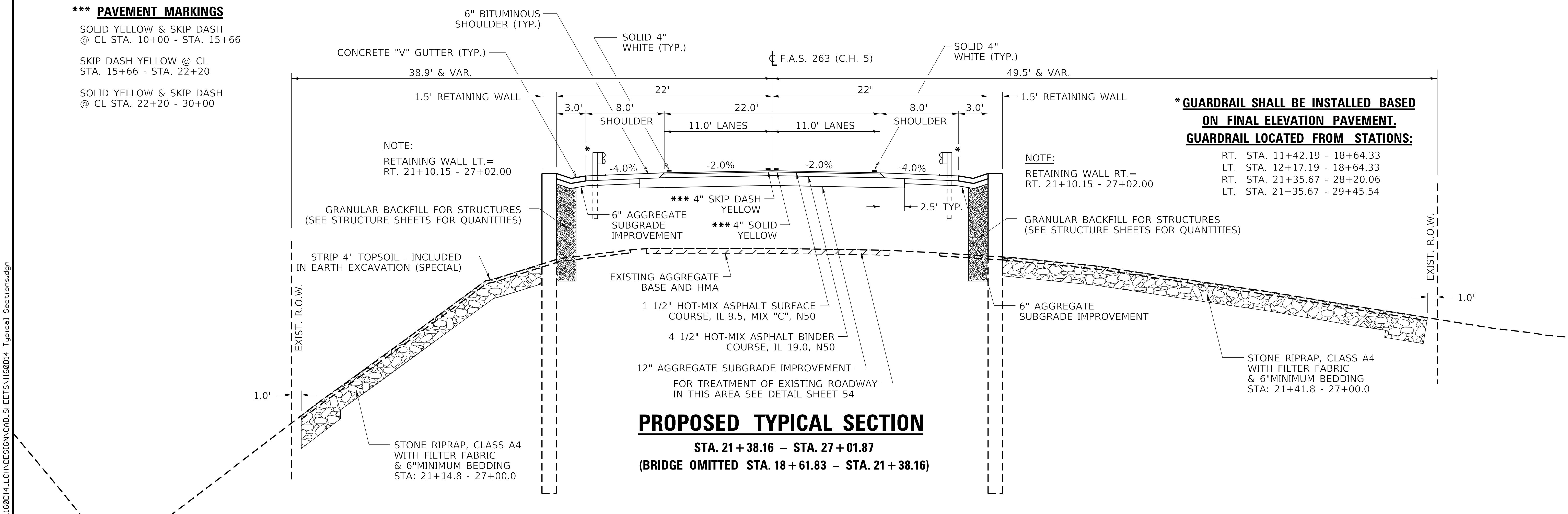
STA. 27+01.87 – STA. 28+25.00

*** **PAVEMENT MARKINGS**

SOLID YELLOW & SKIP DASH @ CL STA. 10+00 - STA. 15+66

SKIP DASH YELLOW @ CL STA. 15+66 - STA. 22+20

SOLID YELLOW & SKIP DASH @ CL STA. 22+20 - 30+00



* **GUARDRAIL SHALL BE INSTALLED BASED ON FINAL ELEVATION PAVEMENT. GUARDRAIL LOCATED FROM STATIONS:**

RT. STA. 11+42.19 - 18+64.33
LT. STA. 12+17.19 - 18+64.33
RT. STA. 21+35.67 - 28+20.06
LT. STA. 21+35.67 - 29+45.54

PROPOSED TYPICAL SECTION

STA. 21+38.16 – STA. 27+01.87
(BRIDGE OMITTED STA. 18+61.83 – STA. 21+38.16)

TEMPORARY EASEMENT

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REVISION	DATE	BY	REMARKS

DESIGNED GFS
DRAWN DLB
REVIEWED LGN
APPROVED GFS

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

TYPICAL SECTIONS

SHEET NO. 2 OF 2 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	07
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT	2MQY(061)	

SCHEDULE OF QUANTITIES

LASALLE COUNTY - F.A.S. 263 (C.H. 5) OVER VERMILION RIVER

	A	B	C	D	E	F
LOCATION	EARTH EXCAVATION (SPECIAL) X2020410* (CU YD)	CHANNEL EXCAVATION 20300100 (CU YD)	CHANNEL EXCAVATION REDUCED 50% (0.5 X B)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE 25% (0.75 X (A+C))	EMBANKMENT (CU YD)	FURNISHED EXCAVATION 20400800 (CU YD) (E - D)
F.A.S. 263 STA. 10+00 TO 30+00	4,301			3,226	14,663	11,437
VERMILION RIVER		897	449	337		-337
TOTALS	4,301	897				11,100

TREE REMOVAL (6 TO 15 UNITS DIAMETER)

STATION	UNIT	REMARKS
F.A.S. 263		
58.94' LT 18+25	8	8" DIAMETER
54.44' LT 18+50	6	6" DIAMETER
51.11' LT 18+79	7	7" DIAMETER
PROJECT TOTAL	21	

20100110

TREE REMOVAL, ACRES

STATION	ACRE	REMARKS
F.A.S. 263		
RT 13+74 - 18+86	0.5	
LT 13+72 - 15+15	0.2	
RT 20+85 - 28+36	0.4	
LT 21+14 - 30+00	0.4	
PROJECT TOTAL	1.5	

20100500

ROCK EXCAVATION

STATION	CU YD	REMARKS
F.A.S. 263		
ROADWAY	100	CONTINGENCY ITEM
PROJECT TOTAL	100	

20200200

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

STATION	CU YD	REMARKS
F.A.S. 263		
ENTIRE PROJECT	94	CONTINGENCY ITEM
		5% OF PAVEMENT AREA
PROJECT TOTAL	94	

20201200

TOPSOIL FURNISH AND PLACE, 4"

STATION	SQ YD	REMARKS
F.A.S. 263		
RT 10+00 - 18+91	2,949	
LT 10+00 - 18+91	2,951	
RT 26+50 - 28+42	498	
LT 27+00 - 30+00	987	
RT 28+59 - 28+80	58	
PROJECT TOTAL	7,443	

21101615

EROSION CONTROL BLANKET

STATION	SQ YD	REMARKS
F.A.S. 263		
RT 10+00 - 18+91	2,949	
LT 10+00 - 18+91	2,951	
RT 26+50 - 28+42	498	
LT 27+00 - 30+00	987	
RT 28+59 - 28+80	58	
PROJECT TOTAL	7,443	

25100630

TEMPORARY EROSION CONTROL SEEDING

STATION	POUND	REMARKS
F.A.S. 263		
ENTIRE PROJECT	308	TWO APPLICATIONS
		100 LBS / ACRE
PROJECT TOTAL	308	

28000250

TEMPORARY DITCH CHECKS

STATION	FOOT	REMARKS
F.A.S. 263		
22.04' RT 10+50	6	2FT DITCH FLOWLINE
22.04' LT 10+50	6	2FT DITCH FLOWLINE
25.35' RT 11+00	6	2FT DITCH FLOWLINE
25.35' LT 11+00	6	2FT DITCH FLOWLINE
29.55' RT 11+50	6	2FT DITCH FLOWLINE
27.16' LT 11+50	6	2FT DITCH FLOWLINE
27.68' RT 12+00	6	2FT DITCH FLOWLINE
28.74' LT 12+00	6	2FT DITCH FLOWLINE
28.69' RT 12+50	6	2FT DITCH FLOWLINE
30.93' LT 12+50	6	2FT DITCH FLOWLINE
29.27' RT 13+00	6	2FT DITCH FLOWLINE
29.28' LT 13+00	6	2FT DITCH FLOWLINE
30.97' RT 13+50	6	2FT DITCH FLOWLINE
30.98' LT 13+50	6	2FT DITCH FLOWLINE
35.39' RT 13+75	6	2FT DITCH FLOWLINE
35.34' LT 13+75	6	2FT DITCH FLOWLINE
39.86' RT 14+00	6	2FT DITCH FLOWLINE
39.74' LT 14+00	6	2FT DITCH FLOWLINE
48.28' RT 14+25	6	2FT DITCH FLOWLINE
48.22' LT 14+25	6	2FT DITCH FLOWLINE
56.66' RT 14+50	6	2FT DITCH FLOWLINE
56.66' LT 14+50	6	2FT DITCH FLOWLINE
58.91' RT 15+00	6	2FT DITCH FLOWLINE
58.91' LT 15+00	6	2FT DITCH FLOWLINE
56.72' RT 16+00	6	2FT DITCH FLOWLINE
56.72' LT 16+00	6	2FT DITCH FLOWLINE
56.32' RT 17+00	6	2FT DITCH FLOWLINE
56.32' LT 17+00	6	2FT DITCH FLOWLINE
57.78' RT 17+50	6	2FT DITCH FLOWLINE
57.78' LT 17+50	6	2FT DITCH FLOWLINE
62.25' RT 18+00	6	2FT DITCH FLOWLINE
59.64' LT 18+00	6	2FT DITCH FLOWLINE
41.76' RT 27+00	6	2FT DITCH FLOWLINE
31.60' RT 27+25	6	2FT DITCH FLOWLINE
29.31' RT 27+50	6	2FT DITCH FLOWLINE
29.30' RT 28+00	6	2FT DITCH FLOWLINE
28.06' LT 28+00	6	2FT DITCH FLOWLINE
24.69' LT 28+50	6	2FT DITCH FLOWLINE
26.07' LT 29+00	6	2FT DITCH FLOWLINE
26.96' LT 29+50	6	2FT DITCH FLOWLINE
PROJECT TOTAL	240	

28000305

PERIMETER EROSION BARRIER

STATION	FOOT	REMARKS
F.A.S. 263		
RT 14+00 - 18+78	484	
LT 14+00 - 18+78	484	
RT 21+13 - 28+00	690	
LT 20+96 - 30+00	906	
PROJECT TOTAL	2,564	

28000400

INLET & PIPE PROTECTION

STATION	EACH	REMARKS
F.A.S. 263		
RT 21+23.8	1	MANHOLE, 4' DIA - OPEN LID
LT 21+23.8	1	INLET SPECIAL
RT 23+75.06	1	INLET SPECIAL
LT 23+75.06	1	INLET SPECIAL
RT 26+25.06	1	INLET SPECIAL
LT 26+25.06	1	INLET SPECIAL
RT 28+71.81	1	FLARED END SECTION
PROJECT TOTAL	7	

28000500

STONE RIPRAP, CLASS A4

STATION	TON	REMARKS
F.A.S. 263		
RT 21+41.8 - 27+00.0	3,891	SLOPE PROTECTION - SOUTH
LT 21+41.8 - 27+00.0	2,494	SLOPE PROTECTION - NORTH
PROJECT TOTAL	6,385	

28100207*

AGGREGATE DITCH

STATION	TON	REMARKS
F.A.S. 263		
RT 10+00.00 - 18+61.83	528	WIDTH - 8FT
LT 10+20.25 - 18+61.83	516	WIDTH - 8FT
PROJECT TOTAL	1,044	

28300400

AGGREGATE SUBGRADE IMPROVEMENT

STATION	TON	REMARKS
F.A.S. 263		
10+50.00 - 18+61.83	1,603	ROADWAY, 12"
21+38.17 - 28+25.00	1,356	ROADWAY, 12"
RT 21+10.15 - 28+32.50	233	GUTTER & SHOULDER , 6"
LT 21+10.15 - 28+25.00	210	GUTTER & SHOULDER , 6"
RT 28+50	29	PRIVATE ENTRANCE, 6"
PROJECT TOTAL	3,431	

30300011*

SCHEDULE OF QUANTITIES

BITUMINOUS MATERIALS (PRIME COAT)

STATION	POUND	REMARKS
F.A.S. 263		
10+50.00 - 18+61.83	4,465	0.25 LB/SF - AGG
21+38.17 - 28+25.00	3,778	0.25 LB/SF - AGG
LT 21+38.17 - 28+25.00	1,373	0.25 LB/SF - AGG - SHOULDER
RT 21+38.17 - 28+25.00	1,378	0.25 LB/SF - AGG - SHOULDER
RT 28+50	185	0.25 LB/SF - AGG - PRIVATE ENTRANCE
PROJECT TOTAL	11,179	

40600275

BITUMINOUS MATERIALS (TACK COAT)

STATION	POUND	REMARKS
F.A.S. 263		
10+50.00 - 18+61.83	447	0.025 LB/SF - HMA
21+38.17 - 28+25.00	378	0.025 LB/SF - HMA
LT 21+38.17 - 28+25.00	138	0.025 LB/SF - HMA - SHOULDER
RT 21+38.17 - 28+25.00	138	0.025 LB/SF - HMA - SHOULDER
PROJECT TOTAL	1,101	

40600290

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50

STATION	TON	REMARKS
F.A.S. 263		
10+50.00 - 18+11.83	506	ROADWAY - 4.5"
21+88.17 - 28+25.00	423	ROADWAY - 4.5"
LT 21+38.17 - 28+25.00	166	SHOULDER - 4.5"
RT 21+38.17 - 28+25.00	167	SHOULDER - 4.5"
PROJECT TOTAL	1,262	

40603080

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50

STATION	TON	REMARKS
F.A.S. 263		
10+50.00 - 18+11.83	169	ROADWAY - 1.5"
21+88.17 - 31+85.00	141	ROADWAY - 1.5"
LT 21+38.17 - 28+25.00	56	SHOULDER - 1.5"
RT 21+38.17 - 28+25.00	56	SHOULDER - 1.5"
RT 28+50	23	PRIVATE ENTRANCE, 3"
PROJECT TOTAL	445	

40604050

PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB

STATION	SQ YD	REMARKS
F.A.S. 263		
18+11.83 - 18+61.83	122	50' - WEST OF STRUCTURE
21+38.17 - 21+88.17	122	50' - EAST OF STRUCTURE
PROJECT TOTAL	244	

42000070

PAVEMENT REMOVAL

STATION	SQ YD	REMARKS
F.A.S. 263		
10+50.00 - 18+51.77	1,876	EX. RDWY WEST OF EX STRUCTURE
21+49.17 - 28+25.00	1,686	EX. RDWY EAST OF EX STRUCTURE
RT 21+87	95	EX CONC ENTRANCE
RT 28+50	75	EX HMA ENTRANCE
PROJECT TOTAL	3,732	

44000100*

GUTTER REMOVAL

STATION	FOOT	REMARKS
F.A.S. 263		
27.9' LT 13+58 - 53.4' LT 15+03	149	
22.5' RT - 13+54 - 31.6' RT 14+04	50	
PROJECT TOTAL	199	

44000400

COMBINATION CURB AND GUTTER REMOVAL

STATION	FOOT	REMARKS
F.A.S. 263		
58.5' LT 23+01 - 18.3' LT 27+54	451	
PROJECT TOTAL	451	

44000500

AGGREGATE SHOULDERS, TYPE A

STATION	TON	REMARKS
F.A.S. 263		
RT 10+00.00 - 18+61.83	203	6"
LT 10+00.00 - 18+61.83	203	6"
LT 28+25.00 - 29+85.00	51	6"
RT 28+50	9	PRIVATE ENTRANCE - 6"
PROJECT TOTAL	466	

48100100

METAL FLARED END SECTIONS 15"

STATION	EACH	REMARKS
F.A.S. 263		
RT 28+20.23	1	ENTRANCE CULVERT
RT 28+69.67	1	ENTRANCE CULVERT
PROJECT TOTAL	2	

54262715

PIPE CULVERTS, CLASS D, TYPE 2 15"

STATION	FOOT	REMARKS
F.A.S. 263		
RT 28+20.23 - 28+69.67	50	ENTRANCE CULVERT
PROJECT TOTAL	50	

542D1060*

STORM SEWERS, CLASS A, TYPE 1 12"

STATION	FOOT	REMARKS
F.A.S. 263		
LT - RT 21+23.8	40	
LT - RT 23+75.06	40	
LT - RT 26+25.06	40	
PROJECT TOTAL	120	

550A0050

MANHOLES, TYPE A, 4' DIAMETER, TYPE 9 FRAME AND GRATE

STATION	EACH	REMARKS
F.A.S. 263		
RT 21+23.8	1	
PROJECT TOTAL	1	

60219100

CONCRETE GUTTER, TYPE A

STATION	FOOT	REMARKS
F.A.S. 263		
RT 21+10.2 - 27+14.0	604	
LT 21+10.2 - 27+14.0	604	
PROJECT TOTAL	1,208	

60602500

STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

STATION	FOOT	REMARKS
F.A.S. 263		
17.0' RT 11+93.7 - 18+18.7	625.0	50 SECTIONS (12.5 FT)
17.0' LT 12+69.7 -18+18.7	550.0	44 SECTIONS (12.5 FT)
17.0' RT 21+75.1 - 27+71.7	600.0	48 SECTIONS (12.5 FT)
17.0' LT 21+75.1 - 28+97.2	725.0	58 SECTIONS (12.5 FT)
PROJECT TOTAL	2,500.0	

63000001*

TRAFFIC BARRIER TERMINAL, TYPE 6

STATION	EACH	REMARKS
F.A.S. 263		
17.0' RT 18+18.7 - 18+64.3	1	
17.0' LT 18+18.7 - 18+64.3	1	
17.0' RT 21+35.7 - 21+75.1	1	
17.0' LT 21+35.7 - 21+75.1	1	
PROJECT TOTAL	4	

63100085

SCHEDULE OF QUANTITIES

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

STATION	EACH	REMARKS
F.A.S. 263		
17.0' RT 11+42.2 - 11+93.7	1	
17.0' LT 12+17.2 - 12+68.7	1	
17.0' RT 27+71.7 - 28+23.2	1	
17.0' LT 28+97.2 - 29+48.7	1	
PROJECT TOTAL	4	

63100167

GUARDRAIL REMOVAL

STATION	FOOT	REMARKS
F.A.S. 263		
RT 12+36 - 18+48	613	
LT 13+23 - 18+48	524	
RT 21+50 - 28+38	688	
LT 21+45 - 29+15	770	
LT 24+58 - 24+92	35	
LT 24+78 - 25+16	39	
PROJECT TOTAL	2,669	

63200310

PERMANENT SURVEY MARKERS, TYPE I

STATION	EACH	REMARKS
F.A.S. 263		
LOCATION TO BE DETERMINED	1	
PROJECT TOTAL	1	

66700205*

TERMINAL MARKER - DIRECT APPLIED

STATION	EACH	REMARKS
F.A.S. 263		
17.0' RT 11+42.19	1	
17.0' LT 12+17.19	1	
17.0' RT 28+23.2	1	
17.0' LT 29+48.7	1	
PROJECT TOTAL	4	

72501000

EPOXY PAVEMENT MARKING - LINE 4"

STATION	FOOT	REMARKS
F.A.S. 263		
LT 10+00 - 30+00	2,000	WHITE, SOLID EDGE LINE - NORTH
RT 10+00 - 30+00	2,000	WHITE, SOLID EDGE LINE - SOUTH
10+00 - 15+66	566	SOLID YELLOW CENTERLINE
10+00 - 30+00	500	YELLOW, SKIP DASH CENTERLINE
22+20 - 30+00	780	SOLID YELLOW CENTERLINE
LT 10+50 - 31+50	2,135	WHITE, SOLID EDGE LINE - SOUTH
PROJECT TOTAL	7,981	

78005110

GUARDRAIL REFLECTORS, TYPE A

STATION	EACH	REMARKS
F.A.S. 263		
RT 11+42.2 - 18+64.3	6	
LT 12+17.2 - 18+64.3	6	
RT 21+35.7 - 28+23.2	6	
LT 21+35.7 - 29+48.7	7	
PROJECT TOTAL	25	

78200005

OUTLET SPECIAL

STATION	EACH	REMARKS
F.A.S. 263		
RT 21+23.8	1	
RT 23+75.06	1	
RT 26+25.06	1	
PROJECT TOTAL	3	

X0324058*

SEEDING, CLASS 2 (SPECIAL)

STATION	ACRE	REMARKS
F.A.S. 263		
RT 10+00 - 18+91	0.61	
LT 10+00 - 18+91	0.61	
RT 26+50 - 28+42	0.10	
LT 27+00 - 30+00	0.20	
RT 28+59 - 28+80	0.01	
PROJECT TOTAL	1.53	

X2501000*

INLETS, SPECIAL

STATION	EACH	REMARKS
F.A.S. 263		
LT 21+23.8	1	
RT 23+75.06	1	
LT 23+75.06	1	
RT 26+25.06	1	
LT 26+25.06	1	
PROJECT TOTAL	5	

X6024240*

FENCE REMOVAL

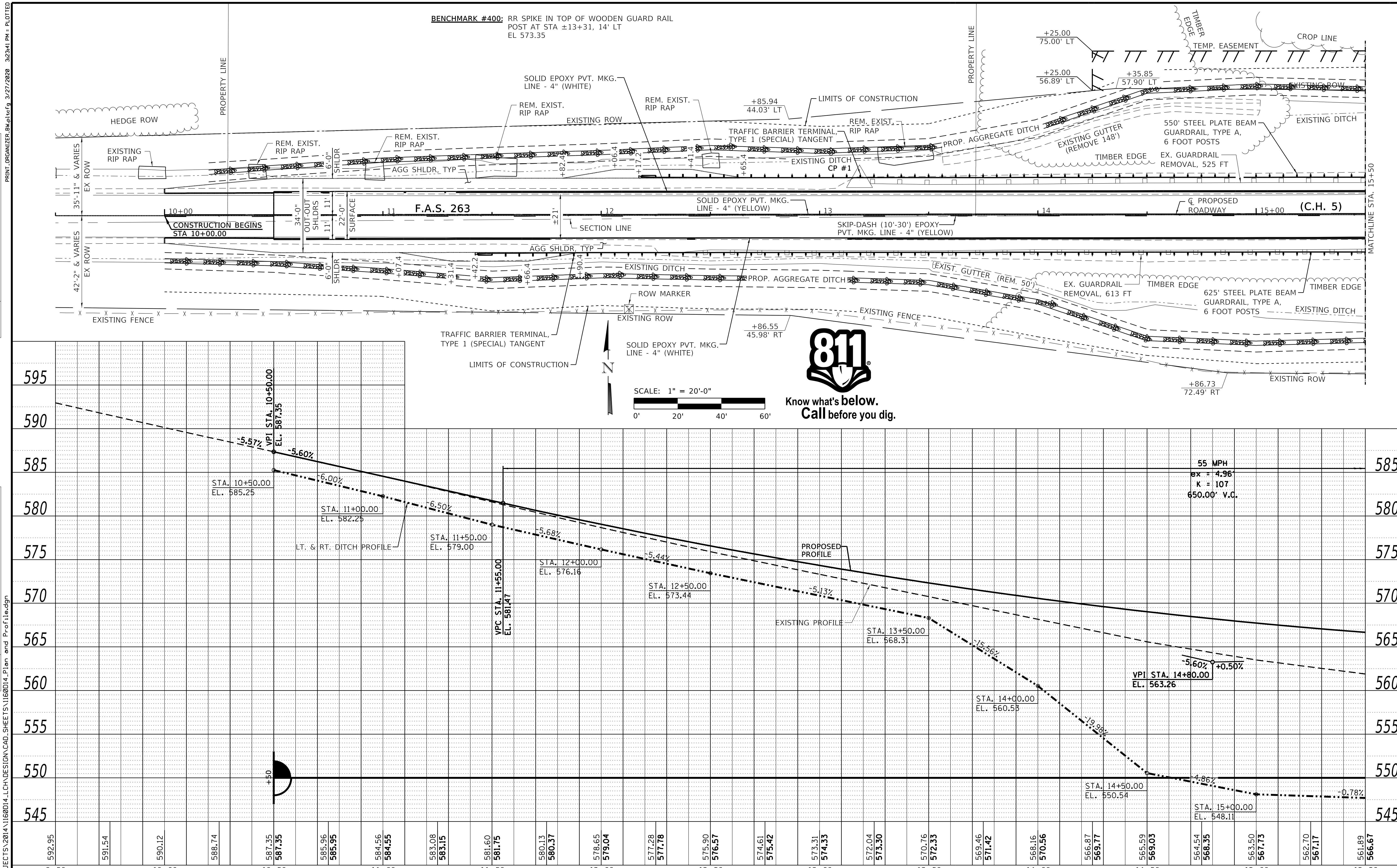
STATION	FOOT	REMARKS
F.A.S. 263		
43.58' RT 12+38 - 13+02	64	EX. FENCE
71.52' RT 17+60 - 18+47	87	EX. FENCE
PROJECT TOTAL	151	

Z0022800*

REMOVING AND RESETTING STREET SIGNS

STATION	EACH	REMARKS
F.A.S. 263		
19.1' LT 15+66	1	DO NOT PASS
18.5' RT 18+40	1	SANDY FORD BRIDGE
35.5' RT 21+22	1	NO TRESPASSING
18.7' LT 21+58	1	VERMILION RIVER
17.2' RT 22+20	1	DO NOT PASS
40.3' LT 27+86	1	ILLINOIS WILDLIFE
38.5' RT 28+77	1	GUN CLUB
PROJECT TOTAL	7	

Z0051500*



REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

PLAN AND PROFILE

SCALE: 1" = 20'-0" | SHEET NO. 1 OF 5 SHEETS | STA. 9+50.00 TO STA. 15+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	11

WHA# 1160D14 CONTRACT NO. 87692
ILLINOIS FED. AID PROJECT 2MQY(061)

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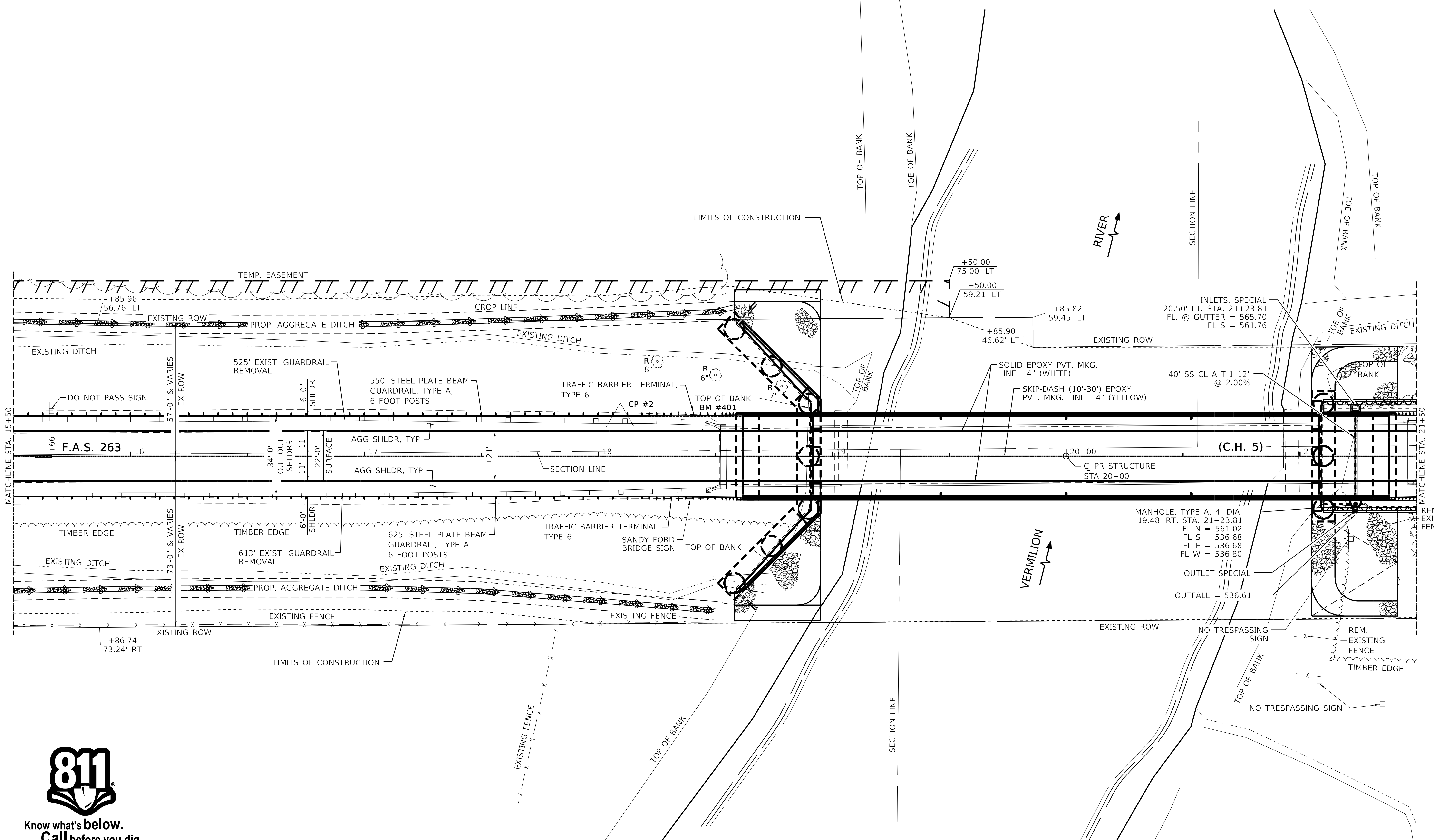
BENCHMARK #401: CHISELED "□" ON NORTHWEST WINGWALL
AT STA ±18+51, 13' LT
EL 562.14

BENCHMARK #402: CHISELED "□" ON SOUTHEAST WINGWALL
AT STA ±21+50, 12' RT
EL 562.21



EXISTING STRUCTURE: S.N. 050-3019
A THREE SPAN (50'-0":192'-0":50'-0") RIVETED PRATT THRU TRUSS REINFORCED CONCRETE DECK BRIDGE ON STEEL PILE STUB ABUTMENTS AT STATION 20+00. NO SKEW.

PROPOSED STRUCTURE: S.N. 050-3601
A SINGLE SPAN (214'-0") REINFORCED CONCRETE DECK ON COMPOSITE STEEL PLATE GIRDER BRIDGE ON VERTICAL ABUTMENTS AT STATION 20+00. NO SKEW.

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

PLAN AND PROFILE

SCALE: 1" = 20'-0" | SHEET NO. 2 OF 5 SHEETS | STA. 15+50.00 TO STA. 21+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	12

WHA# 1160D14 — CONTRACT NO. 87692
ILLINOIS | FED. AID PROJECT 2MQY(061)

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

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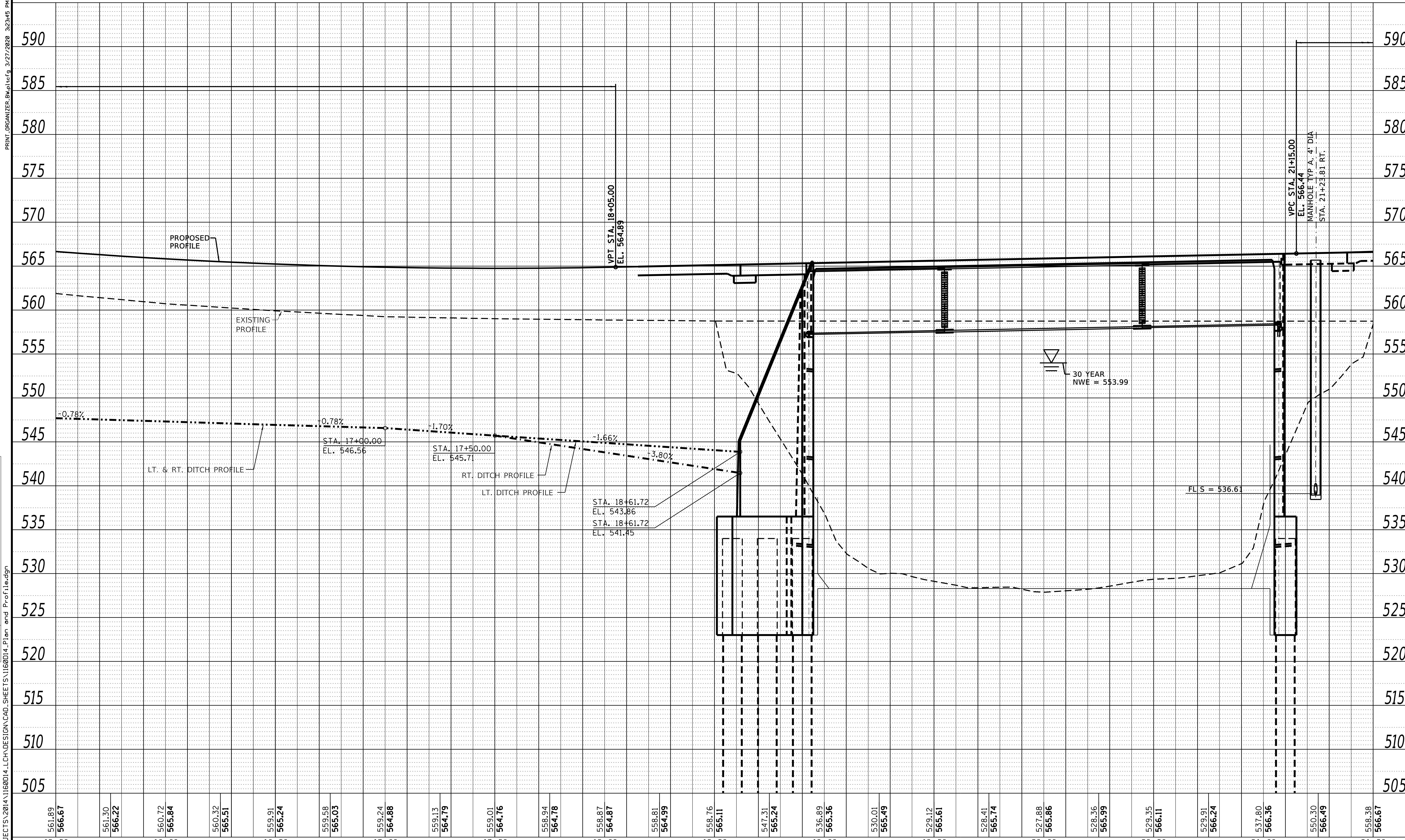

PROFILE	
NOTE BOOK NO. ____	
SURVEYED	
PLOTTED	
GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS CHKD	
BY	
DATE	

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REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

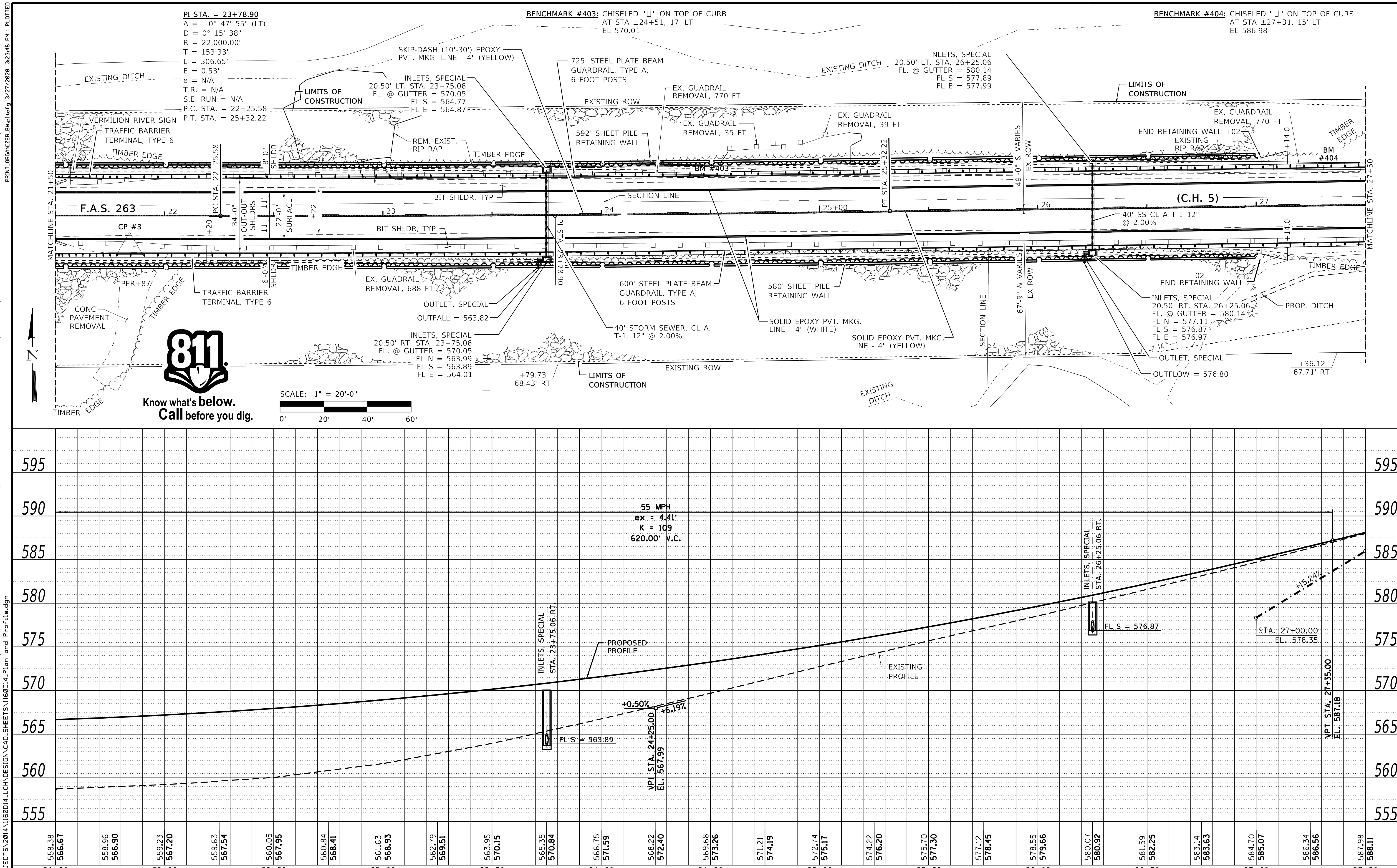
LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

PLAN AND PROFILE

SCALE: 1" = 20'-0" | SHEET NO. 3 OF 5 SHEETS | STA. 15+50.00 TO STA. 21+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	13
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)



REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

PLAN AND PROFILE

SCALE: 1" = 20'-0" | SHEET NO. 4 OF 5 SHEETS | STA. 21+50.00 TO STA. 27+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	14
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT 2MQY(061)		

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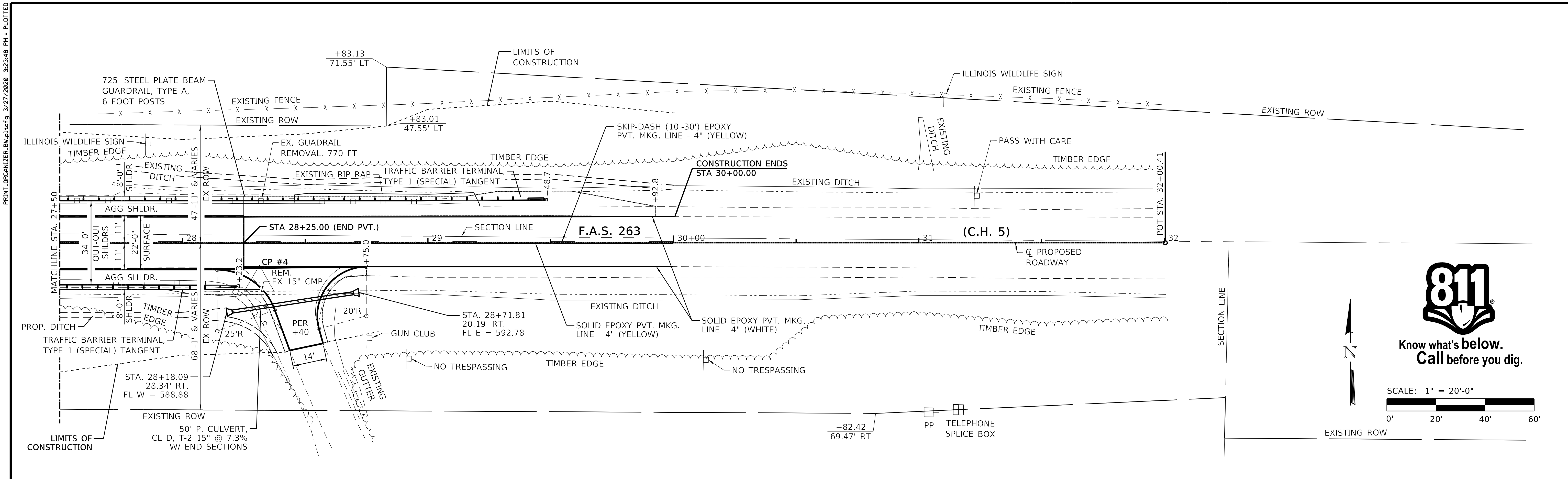

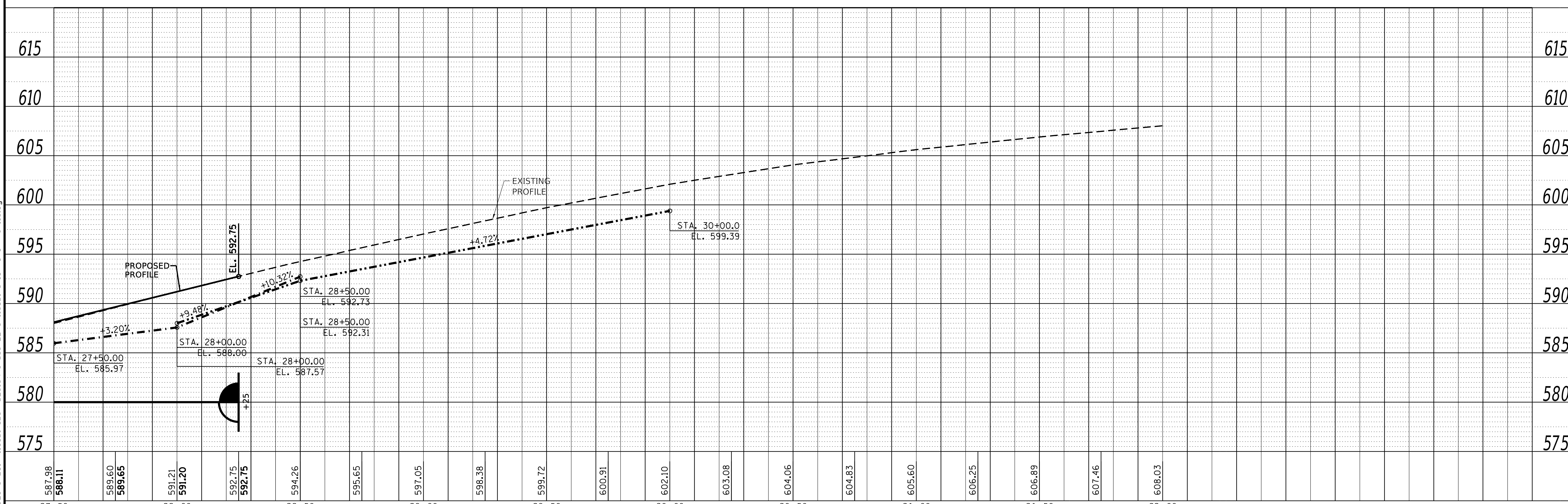

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

PLAN AND PROFILE

SCALE: 1" = 20'-0" | SHEET NO. 5 OF 5 SHEETS | STA. 27+50.00 TO STA. 32+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	15

WHA# 1160D14 — CONTRACT NO. 87692
ILLINOIS FED. AID PROJECT 2MQY(061)

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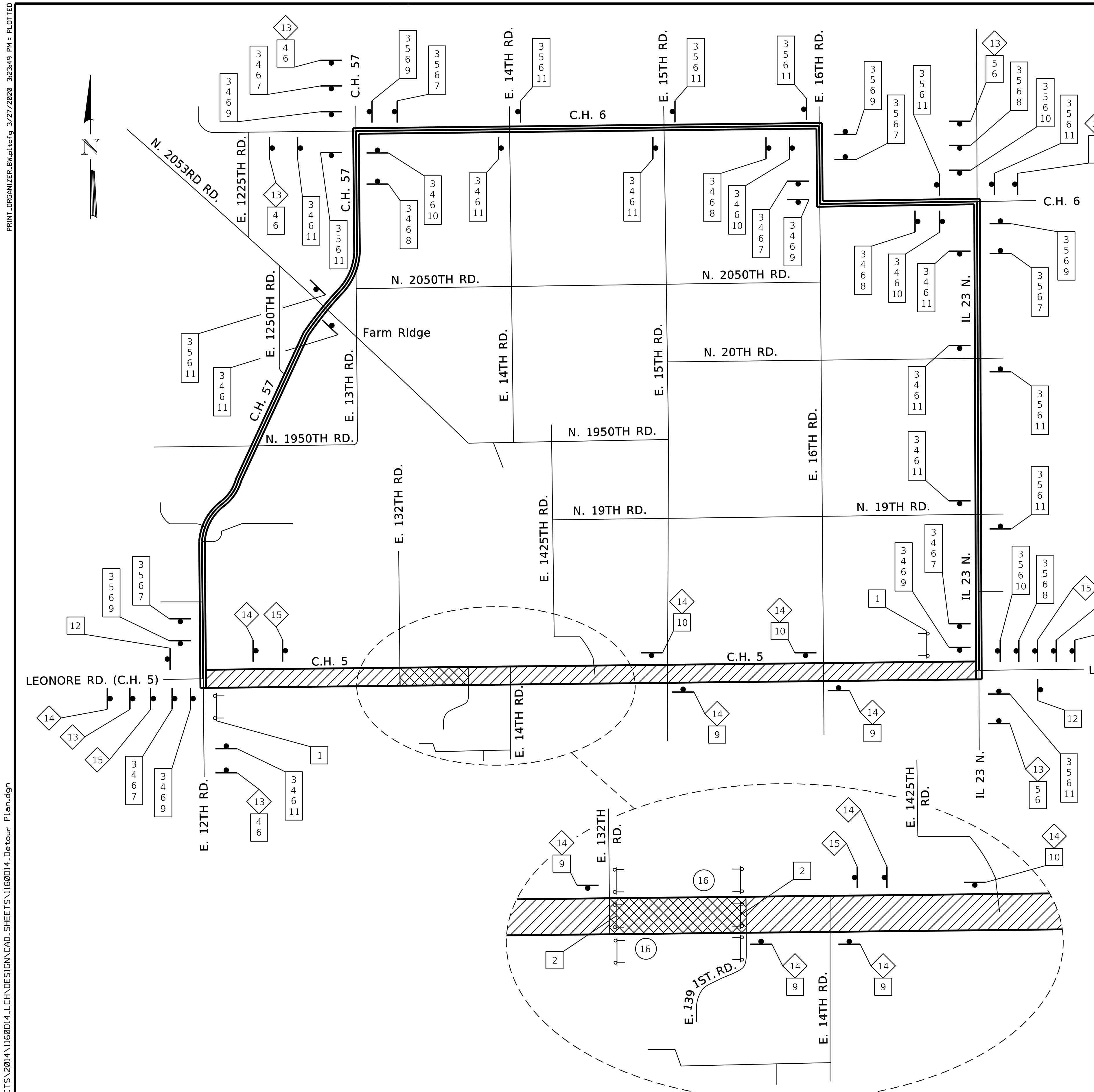
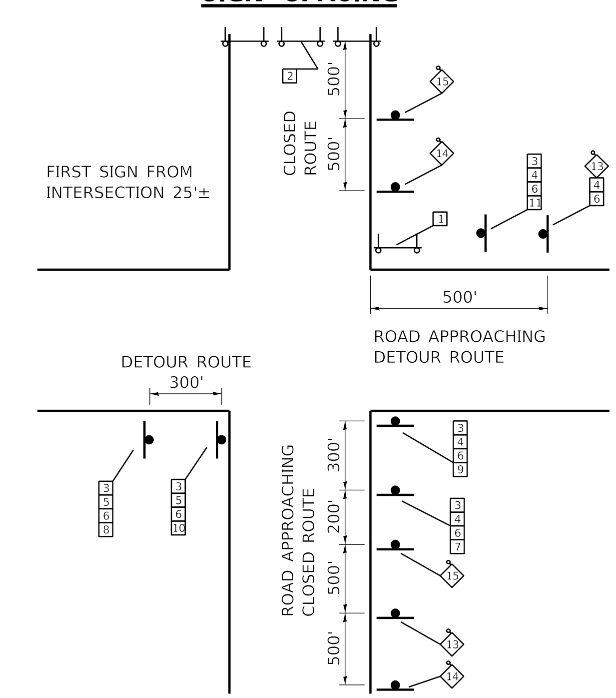


SIGN LEGEND

1	ROAD CLOSED 1 MILE AHEAD LOCAL TRAFFIC ONLY	R11-4, 60" X 30"
2	ROAD CLOSED	R11-2, 48" X 30"
3	DETOUR	M4-8, 24" X 12"
4	EAST	M3-1(0), 24" X 12"
5	WEST	M3-3(0), 24" X 12"
6	LEONORE ROAD	Special, 24" X 18" See Sign Design (Sht. 2 of 2)
7		M5-1L(0), 21" X 15"
8		M5-1R(0), 21" X 15"
9		M6-1L(0), 21" X 15"
10		M6-1R(0), 21" X 15"
11		M6-3(0), 21" X 15"
12	END DETOUR	M4-8a, 24" X 18"
13	DETOUR AHEAD	W20-2, 48" X 48" WITH AMBER FLASHING LIGHTS AND FLAG.
14	ROAD CLOSED AHEAD	W20-3, 48" X 48" WITH AMBER FLASHING LIGHTS AND FLAG.
15	ROAD CLOSED 500 FT	W20-3, 48" X 48" WITH AMBER FLASHING LIGHTS AND FLAG.
16		CHANGEABLE MESSAGE SIGN

TYPICAL DETOUR & ROAD CLOSURE SIGN SPACING



LEGEND

- DETOUR ROUTE
- ROAD CLOSURE PARTIALLY CLOSED PORTION
- ROAD CLOSURE COMPLETELY CLOSED PORTION
- 48" X 48" CONSTRUCTION SIGN WITH AMBER FLASHING LIGHT NUMBER DENOTES SIGN TYPE
- TYPE III BARRICADE W/ FLASHING LIGHTS
- OTHER DETOUR SIGNS, NUMBER DENOTES TYPE

REVISION	DATE	BY	REMARKS

DESIGNED LGN
DRAWN DLB
REVIEWED GBG
APPROVED GFS

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
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DETOUR PLAN
STRUCTURE NO. 050–3601
SHEET NO. 1 OF 2 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	16
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT	2MQY(061)	

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LEONORE ROAD SIGN DESIGN

3.0" Radius, 0.5" Border, Black on Orange;
"Leonore" C 2K; "Road" C 2K;

DETOUR GENERAL NOTES

TOTAL LENGTH OF THE DETOUR IS 11.3 MILES.

CHANGEABLE MESSAGE SIGNS ONLY REQUIRED PRIOR TO LEONORE ROAD CLOSURE. SIGNS CAN BE REMOVED ONCE THE DETOUR IS IN PLACE.

ALL DETOUR SIGNS, SHALL BE COMPLETELY COVERED AT ALL TIMES THE ROADWAY IS NOT CLOSED TO TRAFFIC.

ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR IN A MANNER APPROVED BY THE ENGINEER.

LONGITUDINAL DIMENSIONS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

THE CONTRACTOR SHALL MAKE ALL CHANGES IN SIGNING THAT ARE DEEMED NECESSARY BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED BY HIM ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.

THE CONTRACTOR SHALL SCHEDULE ALL WORK IN AN EXPEDIENT MANNER TO REDUCE THE LENGTH OF TIME THAT THE DETOUR NEEDS TO BE IN EFFECT.

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

PROFILE — NOTE BOOK NO. — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD — BY — DATE

STORM WATER POLLUTION PREVENTION PLAN

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

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

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SECTION 280, TEMPORARY EROSION CONTROL, OF THE STANDARD SPECIFICATIONS ADDITIONALLY SUPPLEMENTS THIS PLAN.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

1. THE PROJECT CONSISTS OF A BRIDGE REPLACEMENT ON F.A.S. 262 (C.H. 5) OVER VERMILION RIVER, ROAD & APPROACH ROADWAY WORK THERETO.

2. CONSTRUCTION INCLUDES EARTH EXCAVATION, ENTRANCES, CHANNEL EXCAVATION, VARIOUS PAVEMENT ITEMS, CULVERT ITEMS AND OTHER MISCELLANEOUS ITEMS OF CONSTRUCTION.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

1. EARTH EXCAVATION.
2. CHANNEL EXCAVATION.
3. FURNISHED EXCAVATION.
4. ROADWAY AGGREGATE BASE AND SHOULDERS
5. PLACEMENT OF PERMANENT EROSION CONTROL INCLUDING SEEDING AND RIP RAP.

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 5.40 ACRES OF WHICH 4.43 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

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

1. INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM SOIL BORINGS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.

2. PROJECT PLAN DOCUMENTS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

VERMILION RIVER

CONTROLS – EROSION CONTROLS AND SEDIMENT CONTROL

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION.

1. THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, PERIMETER EROSION BARRIER, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

   (A) AREAS OF EXISTING VEGETATION (WOOD AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.

   (B) DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.

   (C) AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.

   (D) BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODIBLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN 7 DAYS.

   (E) AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), TEMPORARY DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE.

2. ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND WILL SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/MOWING AND OVER SEEDING CAN BE COMPLETED.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

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

   (A) WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION 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 14 DAYS.

   (C) AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:

      I. PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.

      II. TEMPORARILY SEED ERODIBLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE AREA WITHIN THE CONTRACT LIMITS.

   (D) EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 7 DAYS.

   (E) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE 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 DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2 INCH OR GREATER OR EQUIVALENT SNOWFALL DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

   (G) SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

   (H) THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING

1. 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.

2. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEEDED.

MAINTENANCE AFTER CONSTRUCTION

1. CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE BY IDOT'S FINAL INSPECTION. MAINTENANCE UP TO THIS DATE WILL BE BY THE CONTRACTOR.

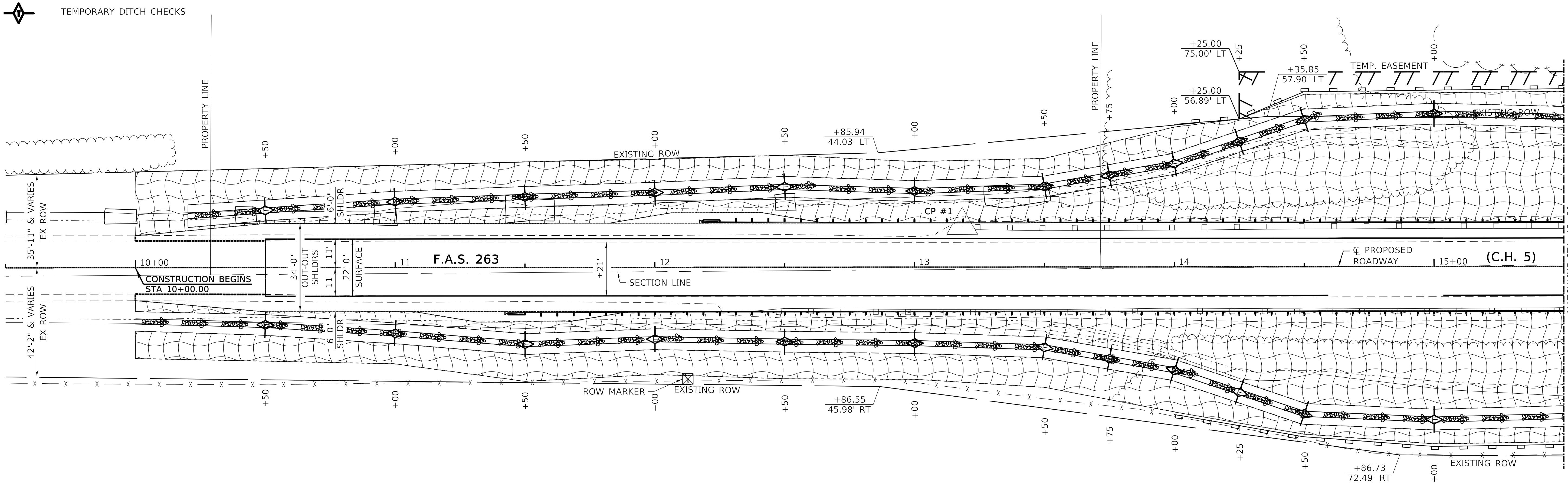
MISCELLANEOUS

ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

BENCHMARK #400: RR SPIKE IN TOP OF WOODEN GUARD RAIL POST AT STA ±13+31, 15' LT EL 573.35

LEGEND

- RIPRAP
- AGGREGATE DITCH
- PERIMETER EROSION BARRIER
- SEEDING, CLASS 2A (SPECIAL) EROSION CONTROL BLANKET
- INLET AN PIPE PROTECTION
- TEMPORARY DITCH CHECKS



N

SCALE: 1" = 20'-0"

0' 20' 40' 60'

Know what's below. Call before you dig.

REVISION	DATE	BY	REMARKS

DESIGNED	GFS
DRAWN	GBG
REVIEWED	LGN
APPROVED	GFS

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

EROSION CONTROL PLAN

SCALE: 1" = 20'-0" | SHEET NO. 2 OF 5 SHEETS | STA. 10+00.00 TO STA. 15+50.00

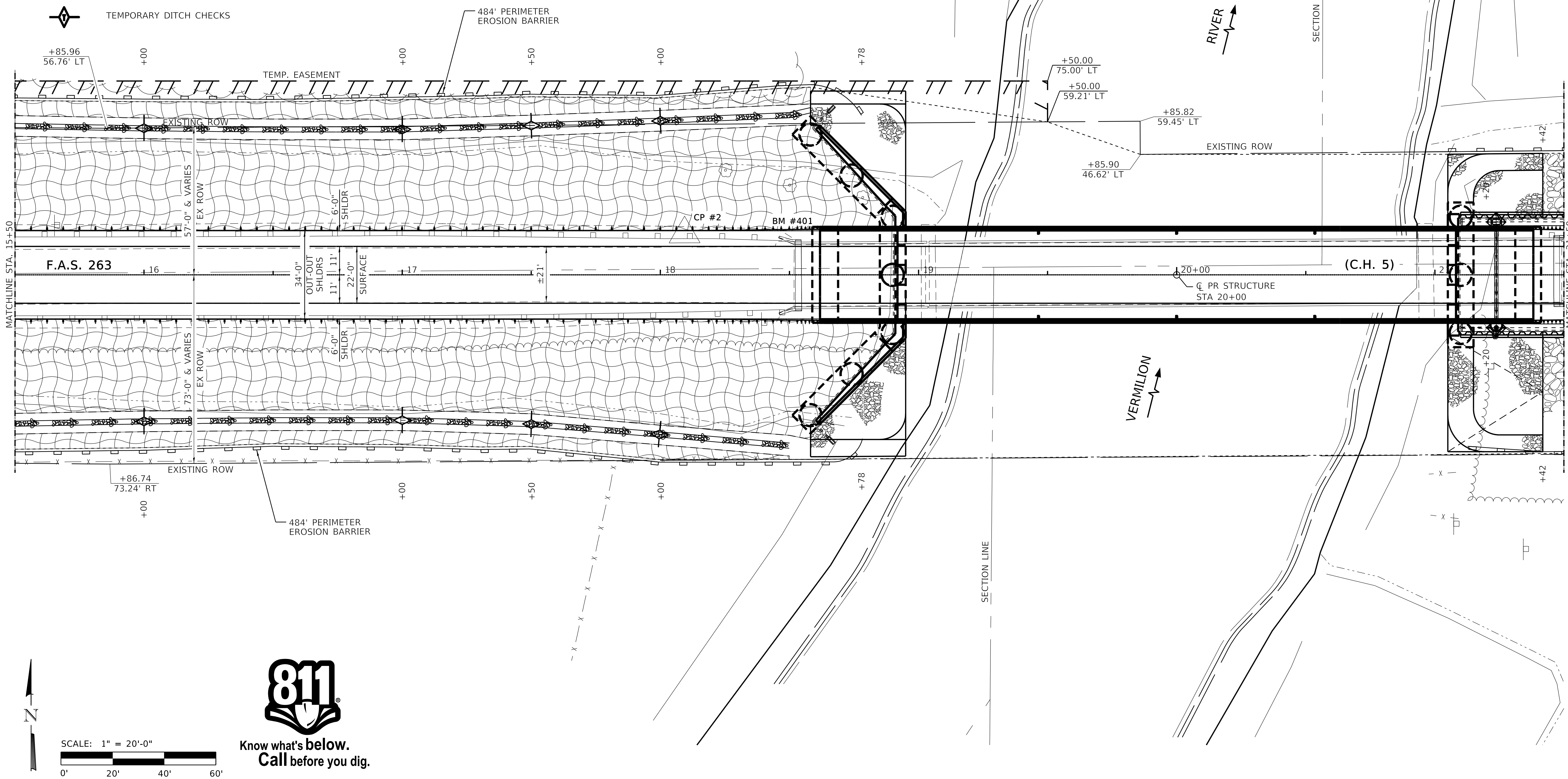
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	19
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS FED. AID PROJECT 2MQY(061)			

BENCHMARK #401: CHISELED "□" ON NORTHWEST WINGWALL
AT STA ±18+51, 13' LT
EL 562.14

BENCHMARK #402: CHISELED "□" ON SOUTHEAST WINGWALL
AT STA ±21+50, 13' RT
EL 562.21

LEGEND

- RIPRAP
- AGGREGATE DITCH
- PERIMETER EROSION BARRIER
- SEEDING, CLASS 2A (SPECIAL) EROSION CONTROL BLANKET
- INLET AN PIPE PROTECTION
- TEMPORARY DITCH CHECKS



N

SCALE: 1" = 20'-0"
0' 20' 40' 60'

811
Know what's **below.**
Call before you dig.

REVISION	DATE	BY	REMARKS

DESIGNED	GFS
DRAWN	GBG
REVIEWED	LGN
APPROVED	GFS

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

EROSION CONTROL PLAN

SCALE: 1" = 20'-0" | SHEET NO. 3 OF 5 SHEETS | STA. 15+50.00 TO STA. 21+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	20
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS FED. AID PROJECT 2MQY(061)			

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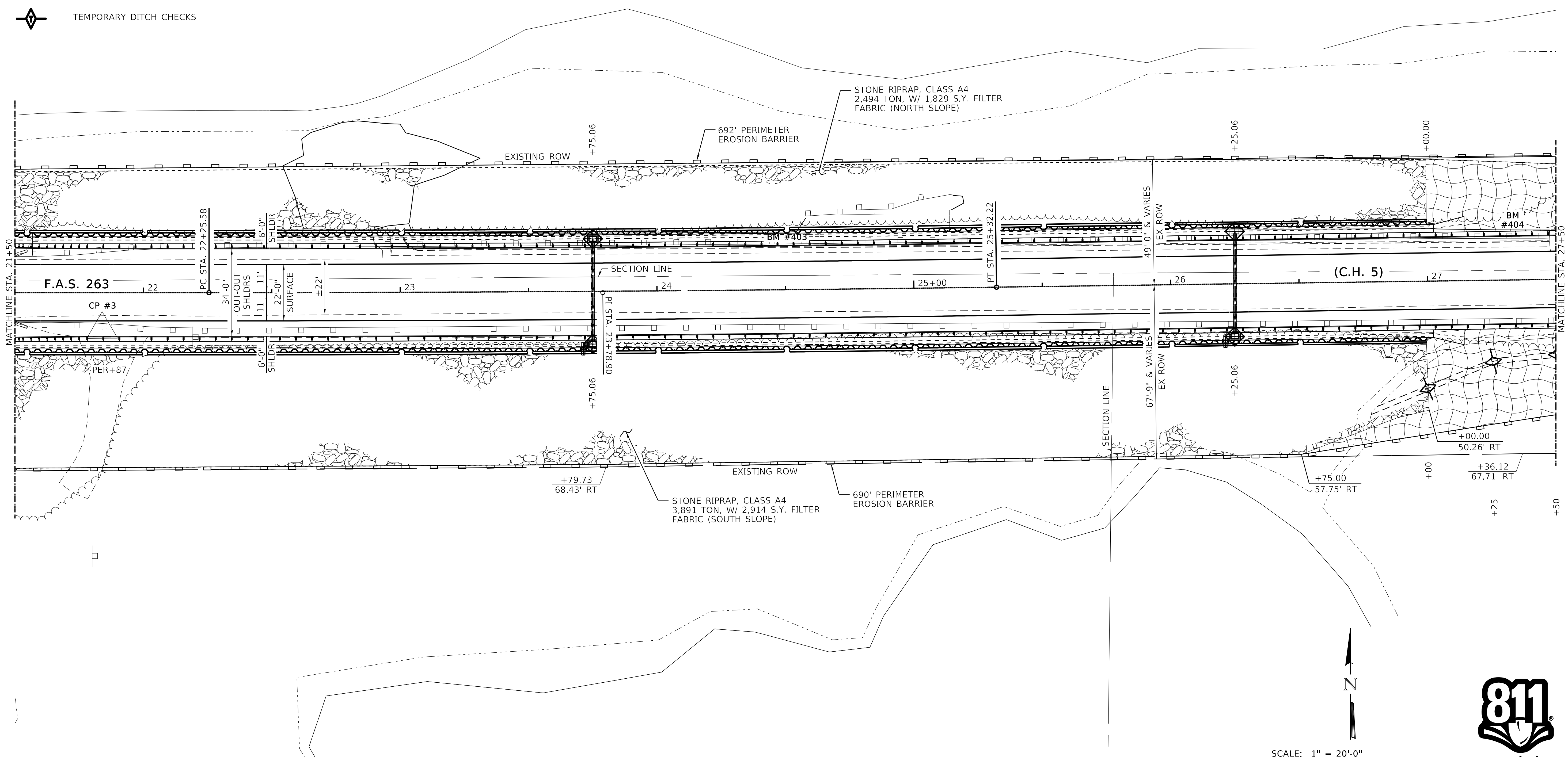
LEGEND

- RIPRAP
- AGGREGATE DITCH
- PERIMETER EROSION BARRIER
- SEEDING, CLASS 2A (SPECIAL) EROSION CONTROL BLANKET
- INLET AN PIPE PROTECTION
- TEMPORARY DITCH CHECKS

BENCHMARK #403: CHISELED "□" ON TOP OF CURB
AT STA ±24+51, 15' LT
EL 570.01

BENCHMARK #404: CHISELED "□" ON TOP OF CURB
AT STA ±27+31, 14' LT
EL 586.98



811
Know what's below.
Call before you dig.

REVISION	DATE	BY	REMARKS

DESIGNED	GFS
DRAWN	GBG
REVIEWED	LGN
APPROVED	GFS

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

EROSION CONTROL PLAN

SCALE: 1" = 20'-0" | SHEET NO. 4 OF 5 SHEETS | STA. 21+50.00 TO STA. 27+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	21
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS FED. AID PROJECT 2MQY(061)			

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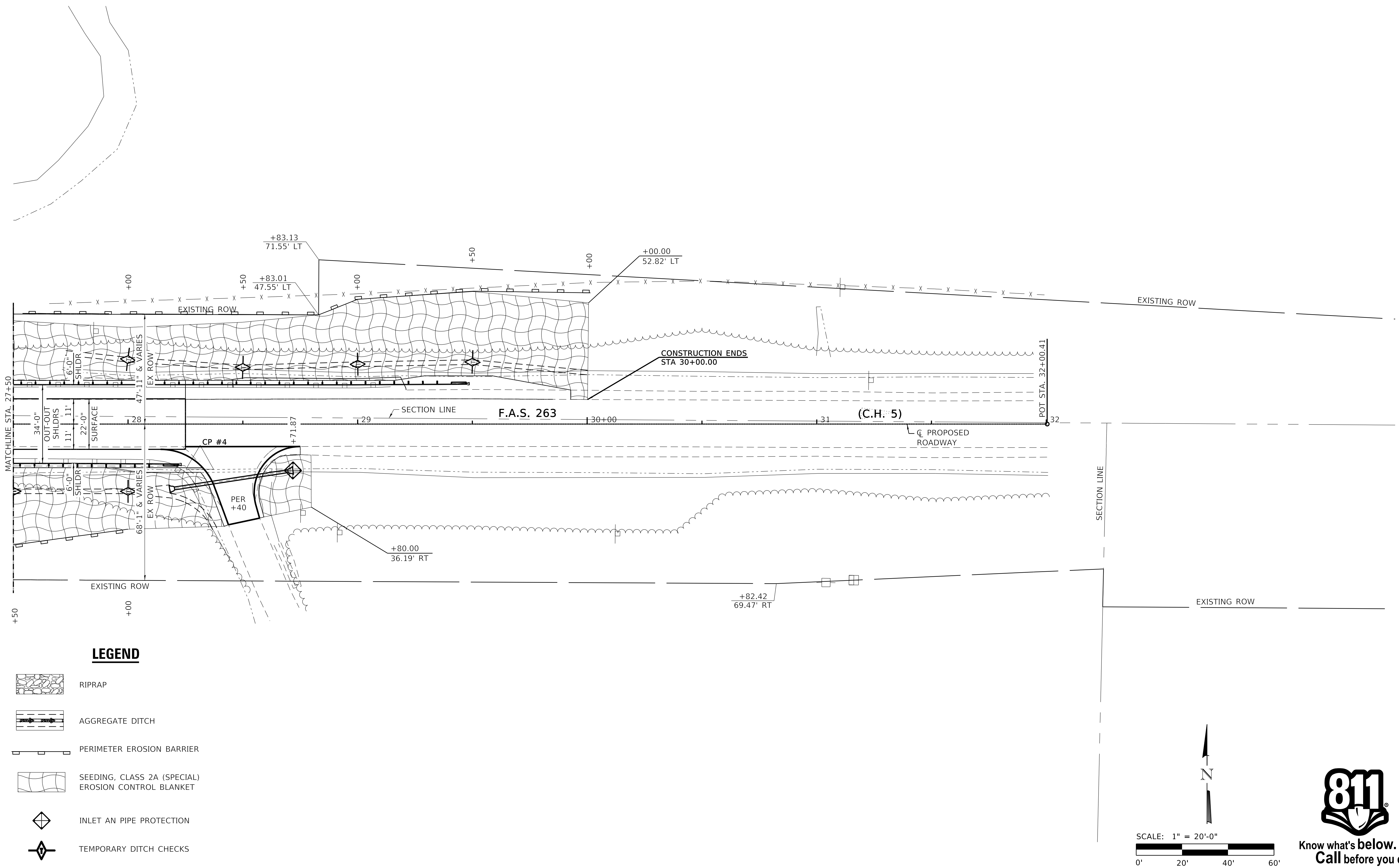

LEGEND

RIPRAP

AGGREGATE DITCH

PERIMETER EROSION BARRIER

SEEDING, CLASS 2A (SPECIAL)
EROSION CONTROL BLANKET

INLET AN PIPE PROTECTION

TEMPORARY DITCH CHECKS

811 Know what's below. Call before you dig.

REVISION	DATE	BY	REMARKS

DESIGNED	GFS
DRAWN	GBG
REVIEWED	LGN
APPROVED	GFS

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

EROSION CONTROL PLAN

SCALE: 1" = 20'-0" | SHEET NO. 5 OF 5 SHEETS | STA. 27+50.00 TO STA. 32+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	22
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		

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EXISTING STRUCTURE: S.N. 050-3019
Originally constructed in 1959 as a single-span riveted Pratt through-truss with single approach spans on each end. Span lengths are 50'-0", 192'-0" and 50'-0" and the total length back to back of abutments is 298'-11". The deck is 26'-0" out to out and carries one lane of traffic in each direction. The deck is reinforced concrete with stringers between floor beams at truss chord nodes. The stub abutments are supported on steel piles and the solid wall piers are founded on rock-bearing spread footings. In 2005 the deck was patch-repaired and the east span deck slab was reconstructed. The existing structure is to be removed and replaced.

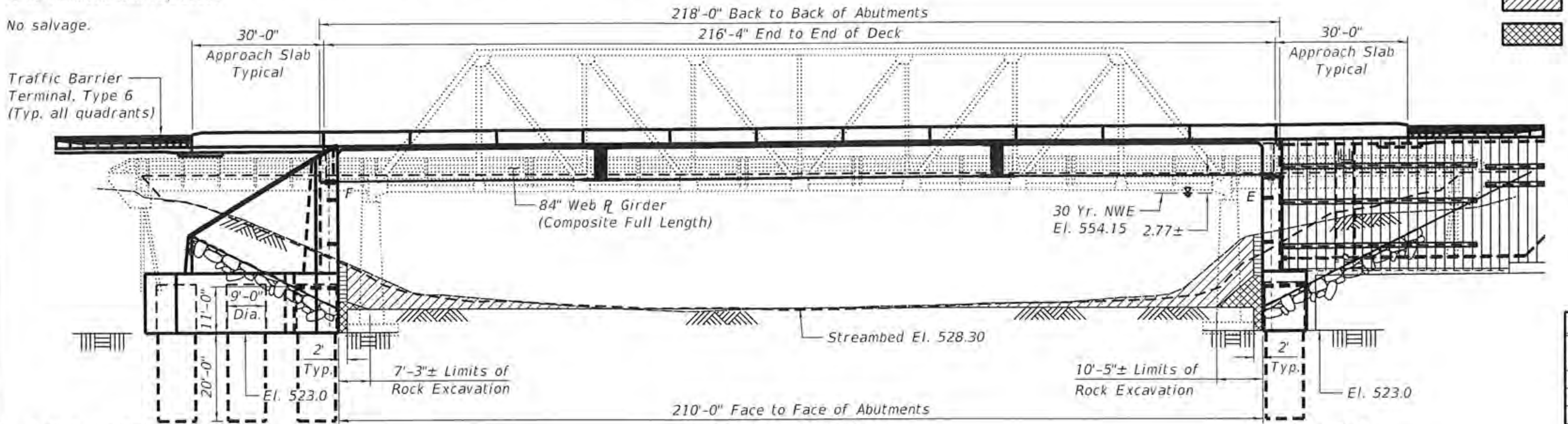
No salvage.

BENCH MARK #401: Chis. "□" on the NW Wingwall of structure, El. 562.14
BENCH MARK #402: Chis. "□" on the SE Wingwall of structure, El. 562.21

LEGEND

- Structure Excavation
- Channel Excavation
- Rock Excavation

INDEX OF SHEETS



ELEVATION VIEW
(Looking North)

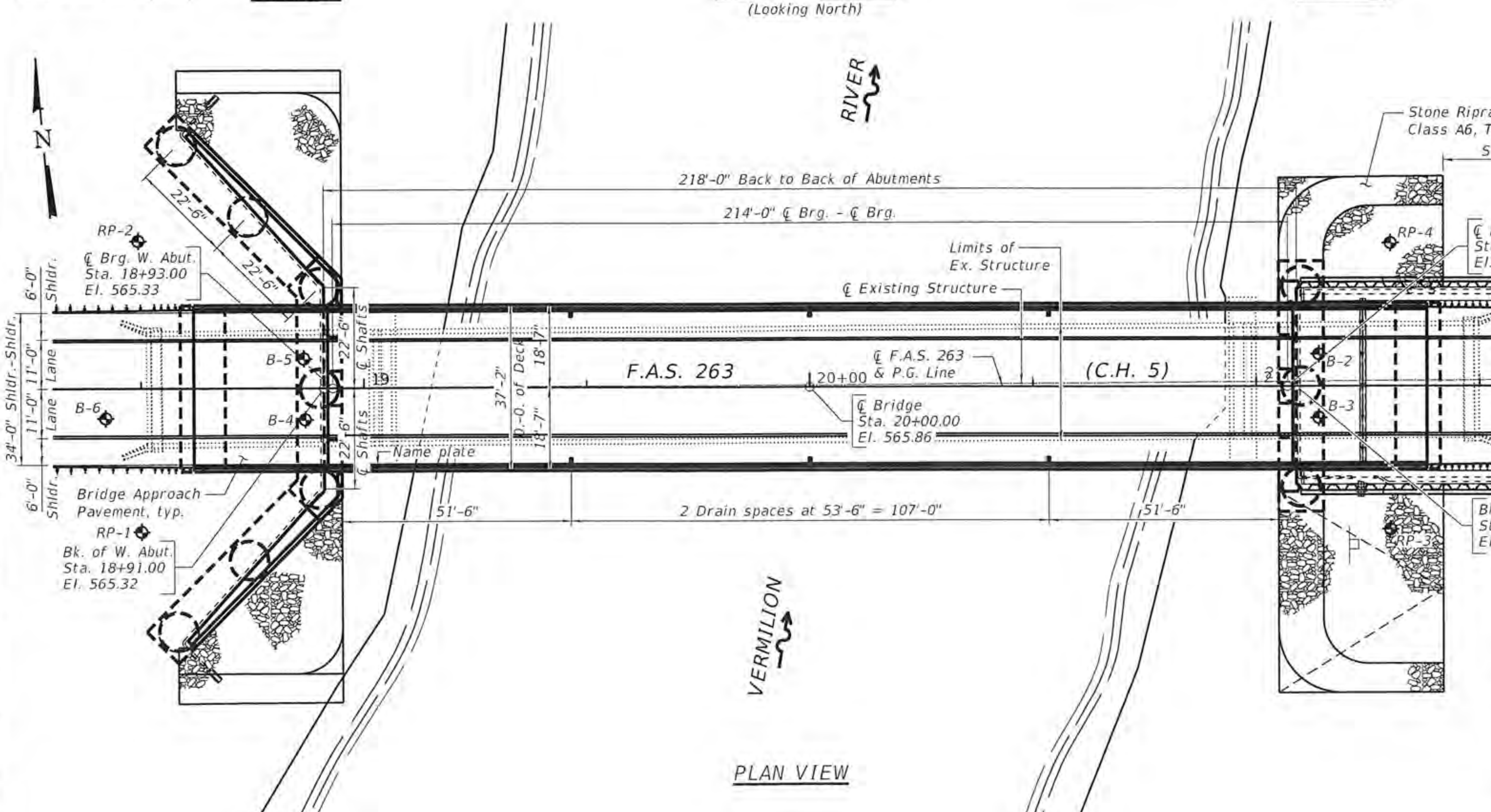
WATERWAY INFORMATION

Drainage Area = 1,248 sq. mi. Low Grade Elev. 565.22 @ Sta. 20+24									
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
	10	22,600	4,270	4,897	551.6	0.1	0.1	551.7	551.7
Design	30	30,000	5,406	5,429	554.2	0.2	0.2	554.4	554.4
Base	100	37,700	5,612	5,909	556.5	0.8	0.3	557.3	556.8
Scour Check	200	42,200	5,612	5,909	557.7	1.1	0.9	558.8	558.6
*** Max. Calc.	500	47,900	5,763	5,909	559.1	1.4	1.2	560.5	560.3

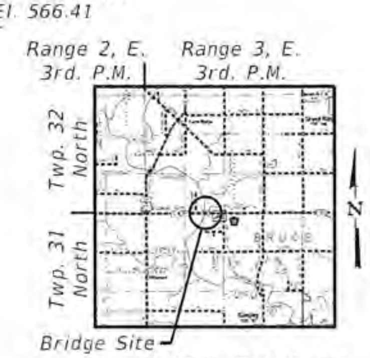
*** = Existing Overtopping

BRIDGE DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elevations (ft.)		
	W. Abut.	E. Abut.	Item 113
Q100	523.68	525.07	8
Q200	523.44	525.06	
Design	523.00	523.00	
Check	523.00	523.00	



PLAN VIEW



LOCATION SKETCH

DATE: 3/27/2020
EXPIRES 11/30/20

"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 COMPLIES WITH REQUIREMENTS OF THE CURRENT 'AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES'."

GENERAL PLAN AND ELEVATION
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
SEC. 14-00763-00-BR
LASALLE COUNTY
STATION 20+00
STRUCTURE NO. 050-3601

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM #184-000918

GENERAL PLAN AND ELEVATION
STRUCTURAL SHEET NO. 1 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	23

WHA# 1160D14
CONTRACT NO. 87692
ILLINOIS FED. AID PROJECT

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
f'c = 4,000 psi (Superstructure Concrete)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50W) For Bearings and Cross Frames
fy = 70,000 psi (HPS Grade 70W where noted) For Plate Girder Flanges, Webs, Splicer Plates and Bearing Stiffeners

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.04 g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.105 g
Soil Site Class = B

DESIGN SPECIFICATIONS

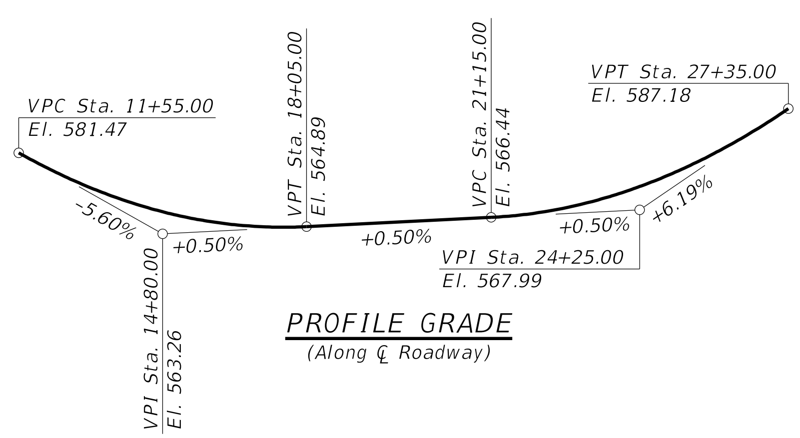
2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

LOADING HL-93

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

VERMILION RIVER
BUILT 2020 BY
LASALLE COUNTY
SECTION 14-00763-00-BR
F.A.S. RT. 263 STA. 20+00
STR. NO. 050-3601 LOADING HL-93

NAME PLATE LETTERING



PROFILE GRADE
(Along ℄ Roadway)

HORIZONTAL CURVE DATA

PI STA. = 23+78.90
Δ = 0° 47' 55" (LT)
D = 0° 15' 38"
R = 22,000.00'
T = 153.33'
L = 306.65'
E = 0.53'
e =
T.R. =
S.E. RUN =
P.C. STA. = 22+25.58
P.T. STA. = 25+32.22

BILL OF MATERIAL - BRIDGE

ITEM	UNIT	SUPER	SUB	TOTAL
Rock Excavation	Cu Yd	—	1,167	1,167
Channel Excavation	Cu Yd	—	897	897
Removal of Existing Structures	Each	—	—	1
Structure Excavation	Cu Yd	—	3,499	3,499
Concrete Structures	Cu Yd	22.9	1,202.4	1,225.3
Concrete Superstructure	Cu Yd	350.8		350.8
Bridge Deck Grooving	Sq Yd	993	—	993
Protective Coat	Sq Yd	1,260	—	1,260
Concrete Superstructure (Approach Slab)	Cu Yd	103.2	—	103.2
Furnishing and Erecting Structural Steel	L Sum	1	—	1
Furnishing and Erecting Structural Steel	Pound	—	157,420	157,420
Stud Shear Connectors	Each	3,410	—	3,410
Hardware	Pound	—	2,760	2,760
Reinforcement Bars	Pound	—	170,820	170,820
Reinforcement Bars, Epoxy Coated	Pound	120,740	114,930	235,670
Name Plates	Each	1	—	1
Permanent Casing	Foot	—	110	110
Drilled Shaft In Soil	Cu Yd	—	259.2	259.2
Drilled Shaft In Rock	Cu Yd	—	420.4	420.4
Anchor Bolts, 1½"	Each	30	—	30
Permanent Sheet Piling	Sq Ft	—	27,370	27,370
Granular Backfill For Structures	Cu Yd	—	6,273	6,273
Geocomposite Wall Drain	Sq Yd	—	1,908	1,908
Controlled Low-Strength Material	Cu Yd	—	261.3	261.3
Drainage Scuppers, DS-11	Each	6	—	6
Pipe Underdrains For Structures 4"	Foot	—	1,409	1,409
Stone Riprap, Class A6 (Special)	Ton	—	778	778
High Load Multi-Rotational Bearings, Guided Expansion, 450K	Each	5	—	5
Stainless Steel Reinforcement	Pound	—	560	560

* See Special Provisions

GENERAL NOTES:

Fasteners shall be ASTM A325 Type 3, Bolts ⅞ in. Ø, holes 15/16 in. Ø, unless otherwise noted.

Splicer bolts shall be as specified per Framing Pan sheet.

Calculated weight of Structural Steel (L. Sum) = 550,980 lbs. (Grade 70W), 21,850 (Grade 50W) & 8,200 (Bolts, Nuts & Washers)

All bearings and cross frames shall be AASHTO M 270 Grade 50W.

All plate girder flanges, webs, splicer plates and bearing stiffeners shall be AASHTO M 270 HPS Grade 70W.

Surface preparation and blast-cleaning of weathering steel shall be as specified per Art. 506.07 and the Framing Plan sheet.

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

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

Reinforcement bars designated (E) shall be epoxy coated.

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

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

Slipforming Parapet is not allowed.

Structural steel shall be painted for a distance equal to the depth of the embedment into the concrete cap plus 18 inches. Painted areas shall be primed in the shop with a department approved zinc rich primer. Field painting will not be required.

The proposed structure contains concrete structures with thickness greater than five feet. A Thermal Control Plan per Art. 1020.15 is required.

GENERAL DATA
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
SEC. 14-00763-00-BR
LASALLE COUNTY
STATION 20+00
STRUCTURE NO. 050-3601

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

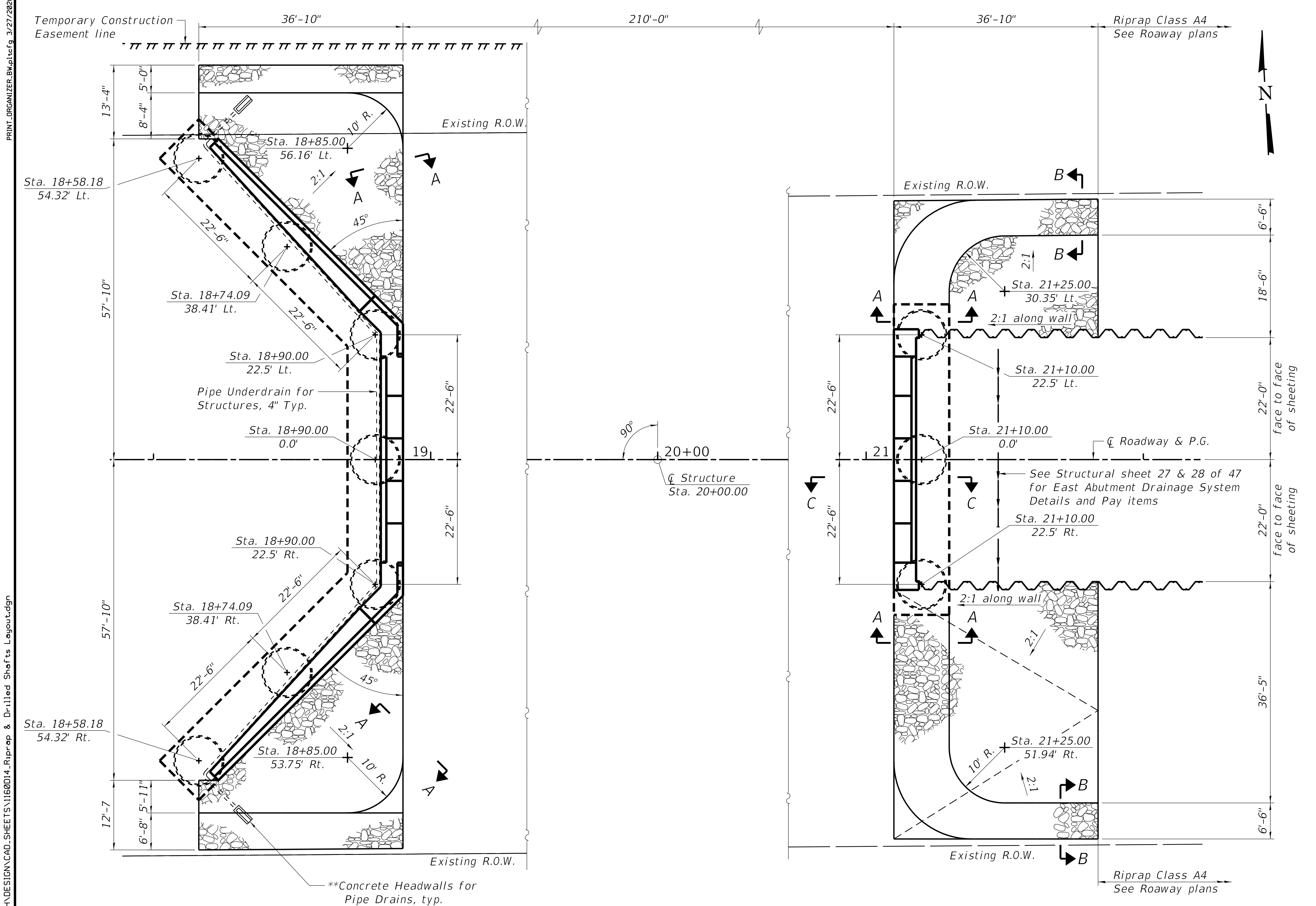
WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

GENERAL DATA

STRUCTURAL SHEET NO. 2 OF 47 SHEETS

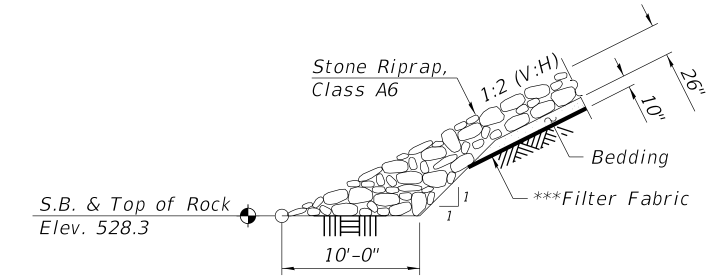
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	24

WHA# 1160D14 CONTRACT NO. 87692
ILLINOIS FED. AID PROJECT 2MQY(061)

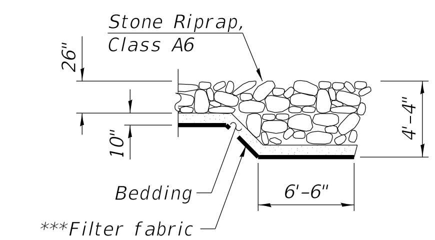


PLAN VIEW

(All dimensions are based off of ℄ of Structure)



SECTION A-A



SECTION B-B

BILL OF MATERIAL

	Item	Unit	Quantity
****	Pipe Underdrain for Structures, 4"	Foot	249
*	Stone Riprap, Class A6 (Special)	Ton	778

NOTES:

Pipe Underdrain shall daylight from riprap slope.

* See Special Provisions.

** Included in the cost of Pipe Underdrain for Structures (See Special Provisons).

*** Included in the cost of Stone Riprap, Class A6 (Special) (See Special Provisons).

**** Pipe Underdrain quantity this sheet includes Linear Foot from inlet at Sta. 21+23.81to manhole at East Abutment and all of West Abutment.

REVISION	DATE	BY	REMARKS

DESIGNED SM · DRAWN FDL · REVIEWED BKC · APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

RIPRAP AND DRILLED SHAFT LAYOUT
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 3 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	25
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

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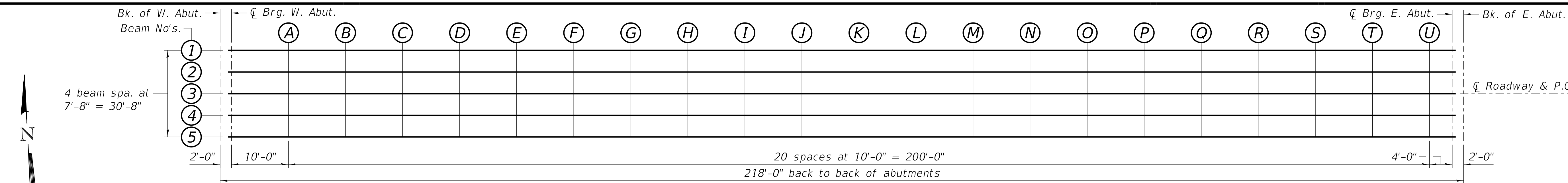


PLAN VIEW

BEAM 1

Location	Station	Offset Lt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	18+91.00	15.33	565.06	565.06
℄ Brg. W. Abut.	18+93.00	15.33	565.07	565.07
A	19+03.00	15.33	565.12	565.24
B	19+13.00	15.33	565.17	565.40
C	19+23.00	15.33	565.22	565.55
D	19+33.00	15.33	565.27	565.70
E	19+43.00	15.33	565.32	565.83
F	19+53.00	15.33	565.37	565.95
G	19+63.00	15.33	565.42	566.06
H	19+73.00	15.33	565.47	566.15
I	19+83.00	15.33	565.52	566.24
J	19+93.00	15.33	565.57	566.30
K	20+03.00	15.33	565.62	566.36
L	20+13.00	15.33	565.67	566.39
M	20+23.00	15.33	565.72	566.42
N	20+33.00	15.33	565.77	566.43
O	20+43.00	15.33	565.82	566.43
P	20+53.00	15.33	565.87	566.41
Q	20+63.00	15.33	565.92	566.38
R	20+73.00	15.33	565.97	566.34
S	20+83.00	15.33	566.02	566.29
T	20+93.00	15.33	566.07	566.23
U	21+03.00	15.33	566.12	566.17
℄ Brg. E. Abut.	21+07.00	15.33	566.14	566.14
Bk. E. Abut.	21+09.00	15.33	566.15	566.15

BEAM 2

Location	Station	Offset Lt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	18+91.00	7.67	565.20	565.20
℄ Brg. W. Abut.	18+93.00	7.67	565.21	565.21
A	19+03.00	7.67	565.26	565.37
B	19+13.00	7.67	565.31	565.53
C	19+23.00	7.67	565.36	565.69
D	19+33.00	7.67	565.41	565.83
E	19+43.00	7.67	565.46	565.97
F	19+53.00	7.67	565.51	566.09
G	19+63.00	7.67	565.56	566.20
H	19+73.00	7.67	565.61	566.29
I	19+83.00	7.67	565.66	566.37
J	19+93.00	7.67	565.71	566.44
K	20+03.00	7.67	565.76	566.49
L	20+13.00	7.67	565.81	566.53
M	20+23.00	7.67	565.86	566.56
N	20+33.00	7.67	565.91	566.57
O	20+43.00	7.67	565.96	566.56
P	20+53.00	7.67	566.01	566.55
Q	20+63.00	7.67	566.06	566.52
R	20+73.00	7.67	566.11	566.48
S	20+83.00	7.67	566.16	566.43
T	20+93.00	7.67	566.21	566.37
U	21+03.00	7.67	566.26	566.31
℄ Brg. E. Abut.	21+07.00	7.67	566.28	566.28
Bk. E. Abut.	21+09.00	7.67	566.29	566.29

BEAM 3

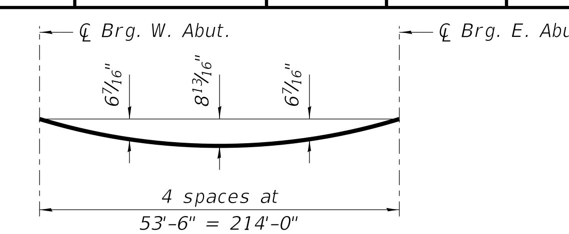
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	18+91.00	0.00	565.32	565.32
℄ Brg. W. Abut.	18+93.00	0.00	565.33	565.33
A	19+03.00	0.00	565.38	565.49
B	19+13.00	0.00	565.43	565.65
C	19+23.00	0.00	565.48	565.81
D	19+33.00	0.00	565.53	565.95
E	19+43.00	0.00	565.58	566.09
F	19+53.00	0.00	565.63	566.21
G	19+63.00	0.00	565.68	566.32
H	19+73.00	0.00	565.73	566.41
I	19+83.00	0.00	565.78	566.49
J	19+93.00	0.00	565.83	566.56
K	20+03.00	0.00	565.88	566.61
L	20+13.00	0.00	565.93	566.65
M	20+23.00	0.00	565.98	566.68
N	20+33.00	0.00	566.03	566.69
O	20+43.00	0.00	566.08	566.68
P	20+53.00	0.00	566.13	566.67
Q	20+63.00	0.00	566.18	566.64
R	20+73.00	0.00	566.23	566.60
S	20+83.00	0.00	566.28	566.55
T	20+93.00	0.00	566.33	566.49
U	21+03.00	0.00	566.38	566.43
℄ Brg. E. Abut.	21+07.00	0.00	566.40	566.40
Bk. E. Abut.	21+09.00	0.00	566.41	566.41

BEAM 4

Location	Station	Offset Rt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	18+91.00	7.67	565.20	565.20
℄ Brg. W. Abut.	18+93.00	7.67	565.21	565.21
A	19+03.00	7.67	565.26	565.37
B	19+13.00	7.67	565.31	565.53
C	19+23.00	7.67	565.36	565.69
D	19+33.00	7.67	565.41	565.83
E	19+43.00	7.67	565.46	565.97
F	19+53.00	7.67	565.51	566.09
G	19+63.00	7.67	565.56	566.20
H	19+73.00	7.67	565.61	566.29
I	19+83.00	7.67	565.66	566.37
J	19+93.00	7.67	565.71	566.44
K	20+03.00	7.67	565.76	566.49
L	20+13.00	7.67	565.81	566.53
M	20+23.00	7.67	565.86	566.56
N	20+33.00	7.67	565.91	566.57
O	20+43.00	7.67	565.96	566.56
P	20+53.00	7.67	566.01	566.55
Q	20+63.00	7.67	566.06	566.52
R	20+73.00	7.67	566.11	566.48
S	20+83.00	7.67	566.16	566.43
T	20+93.00	7.67	566.21	566.37
U	21+03.00	7.67	566.26	566.31
℄ Brg. E. Abut.	21+07.00	7.67	566.28	566.28
Bk. E. Abut.	21+09.00	7.67	566.29	566.29

BEAM 5

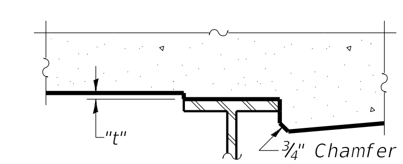
Location	Station	Offset Rt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	18+91.00	15.33	565.06	565.06
℄ Brg. W. Abut.	18+93.00	15.33	565.07	565.07
A	19+03.00	15.33	565.12	565.24
B	19+13.00	15.33	565.17	565.40
C	19+23.00	15.33	565.22	565.55
D	19+33.00	15.33	565.27	565.70
E	19+43.00	15.33	565.32	565.83
F	19+53.00	15.33	565.37	565.95
G	19+63.00	15.33	565.42	566.06
H	19+73.00	15.33	565.47	566.15
I	19+83.00	15.33	565.52	566.24
J	19+93.00	15.33	565.57	566.30
K	20+03.00	15.33	565.62	566.36
L	20+13.00	15.33	565.67	566.39
M	20+23.00	15.33	565.72	566.42
N	20+33.00	15.33	565.77	566.43
O	20+43.00	15.33	565.82	566.43
P	20+53.00	15.33	565.87	566.41
Q	20+63.00	15.33	565.92	566.38
R	20+73.00	15.33	565.97	566.34
S	20+83.00	15.33	566.02	566.29
T	20+93.00	15.33	566.07	566.23
U	21+03.00	15.33	566.12	566.17
℄ Brg. E. Abut.	21+07.00	15.33	566.14	566.14
Bk. E. Abut.	21+09.00	15.33	566.15	566.15



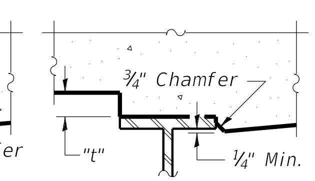
DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

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



At Minimum Fillet



At Maximum Fillet

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

FILLET HEIGHTS

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	RDA
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 050-3601
STRUCTURAL SHEET NO. 4 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	26
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

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LEFT EDGE OF SHOULDER

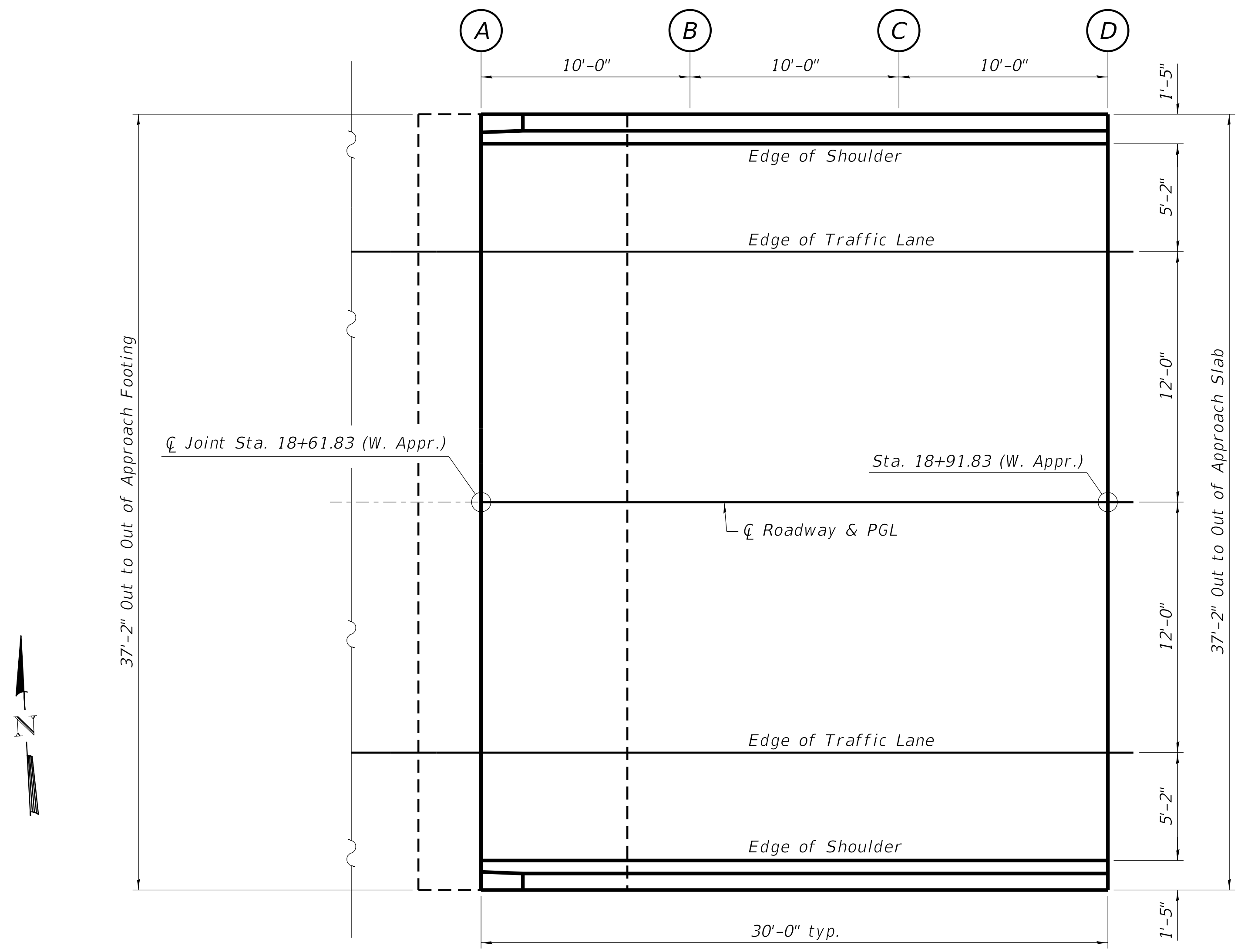
Location	Station	Offset Lt.	Theoretical Grade Elevations
A	18+61.83	17.17	564.88
B	18+71.83	17.17	564.93
C	18+81.83	17.17	564.98
D	18+91.83	17.17	565.03

LEFT EDGE OF TRAFFIC LANE

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	18+61.83	12.00	564.99
B	18+71.83	12.00	565.04
C	18+81.83	12.00	565.09
D	18+91.83	12.00	565.14

CENTERLINE OF ROADWAY & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations
A	18+61.83	0.00	565.17
B	18+71.83	0.00	565.22
C	18+81.83	0.00	565.27
D	18+91.83	0.00	565.32



PLAN

RIGHT EDGE OF TRAFFIC LANE

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	18+61.83	12.00	564.99
B	18+71.83	12.00	565.04
C	18+81.83	12.00	565.09
D	18+91.83	12.00	565.14

RIGHT EDGE OF SHOULDER

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	18+61.83	17.17	564.88
B	18+71.83	17.17	564.93
C	18+81.83	17.17	564.98
D	18+91.83	17.17	565.03

LEFT EDGE OF SHOULDER

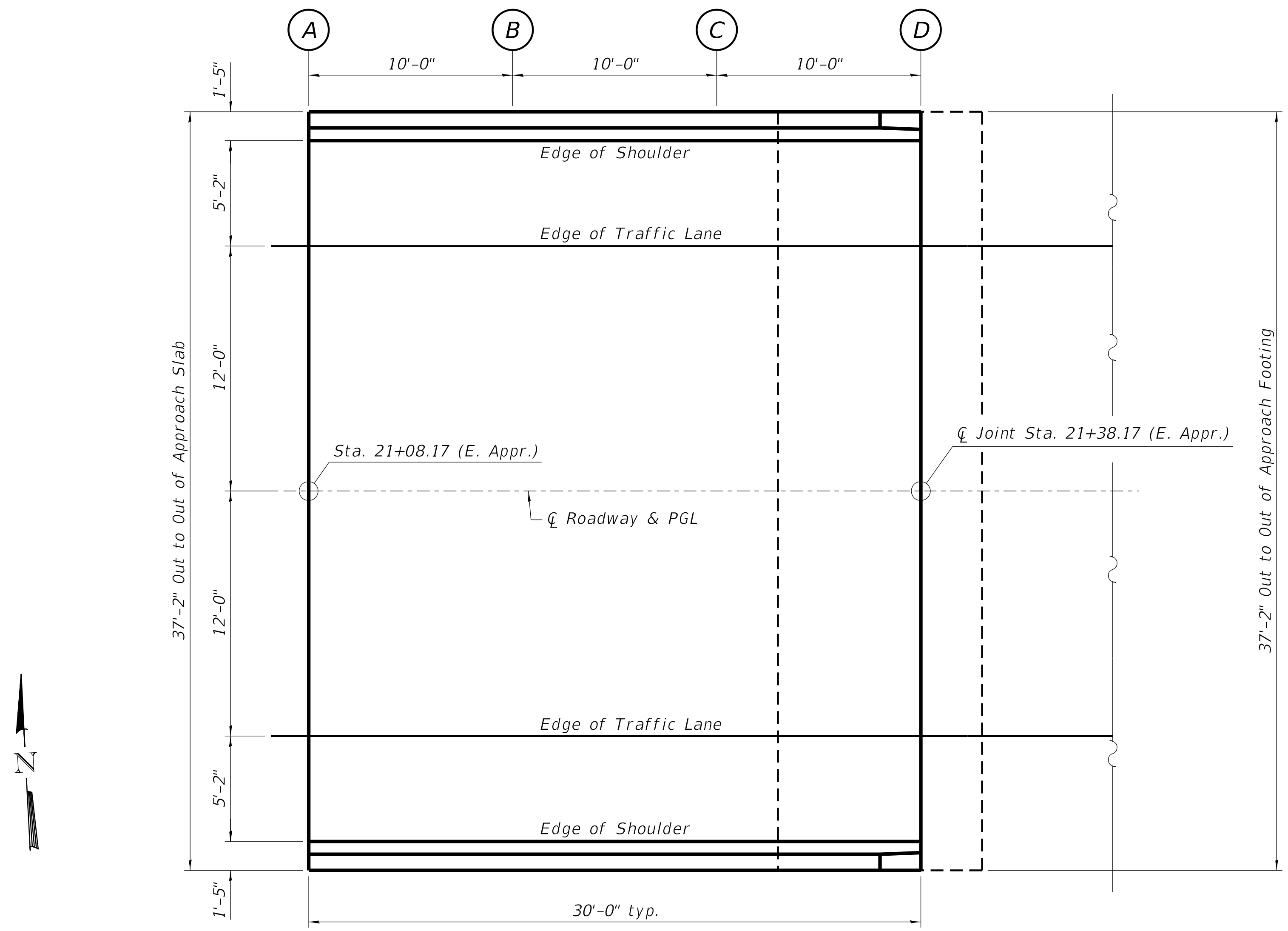
Location	Station	Offset Lt.	Theoretical Grade Elevations
A	21+08.17	17.17	566.11
B	21+18.17	17.17	566.16
C	21+28.17	17.17	566.22
D	21+38.17	17.17	566.28

LEFT EDGE OF TRAFFIC LANE

Location	Station	Offset Lt.	Theoretical Grade Elevations
A	21+08.17	12.00	566.22
B	21+18.17	12.00	566.27
C	21+28.17	12.00	566.33
D	21+38.17	12.00	566.39

CENTERLINE OF ROADWAY & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations
A	21+08.17	0.00	566.41
B	21+18.17	0.00	566.46
C	21+28.17	0.00	566.51
D	21+38.17	0.00	566.58



PLAN

RIGHT EDGE OF TRAFFIC LANE

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	21+08.17	12.00	566.22
B	21+18.17	12.00	566.27
C	21+28.17	12.00	566.33
D	21+38.17	12.00	566.39

RIGHT EDGE OF SHOULDER

Location	Station	Offset Rt.	Theoretical Grade Elevations
A	21+08.17	17.17	566.11
B	21+18.17	17.17	566.16
C	21+28.17	17.17	566.22
D	21+38.17	17.17	566.28

REVISION	DATE	BY	REMARKS

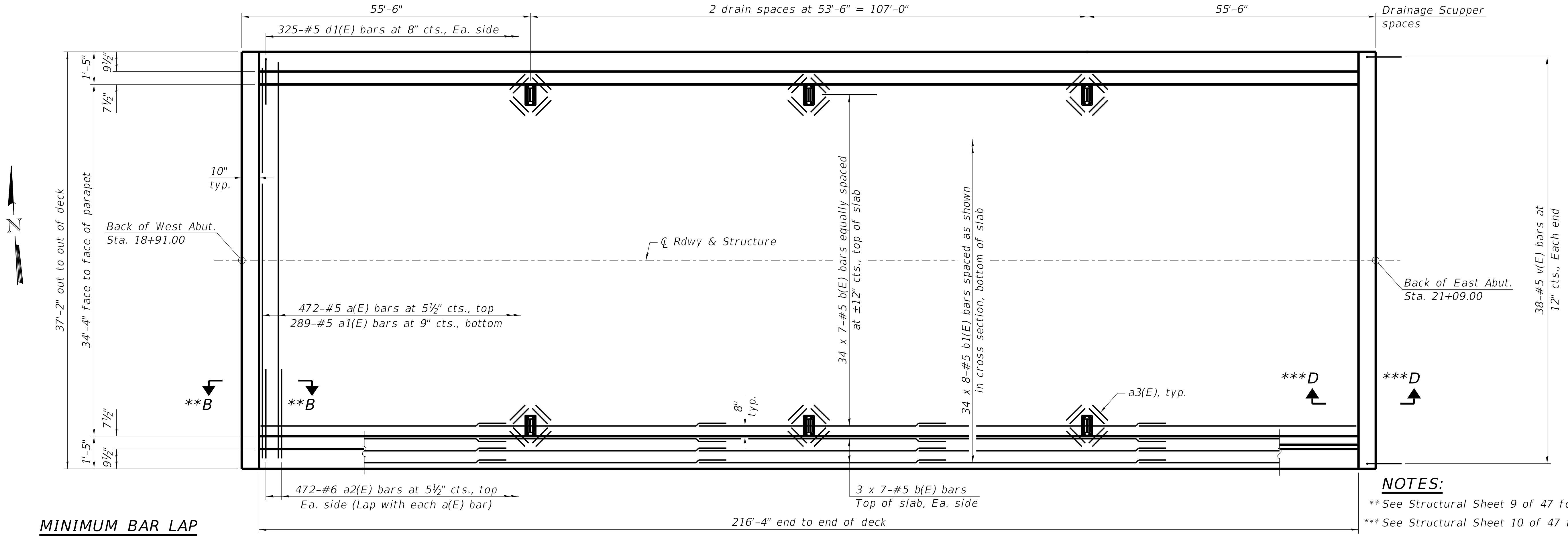
DESIGNED PV
DRAWN RDA
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

TOP OF EAST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 050–3601
STRUCTURAL SHEET NO. 6 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	28
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS FED. AID PROJECT 2MQY(061)			



PLAN

MINIMUM BAR LAP

#5 bar = 3'-6"

NOTES:

** See Structural Sheet 9 of 47 for Section B-B.

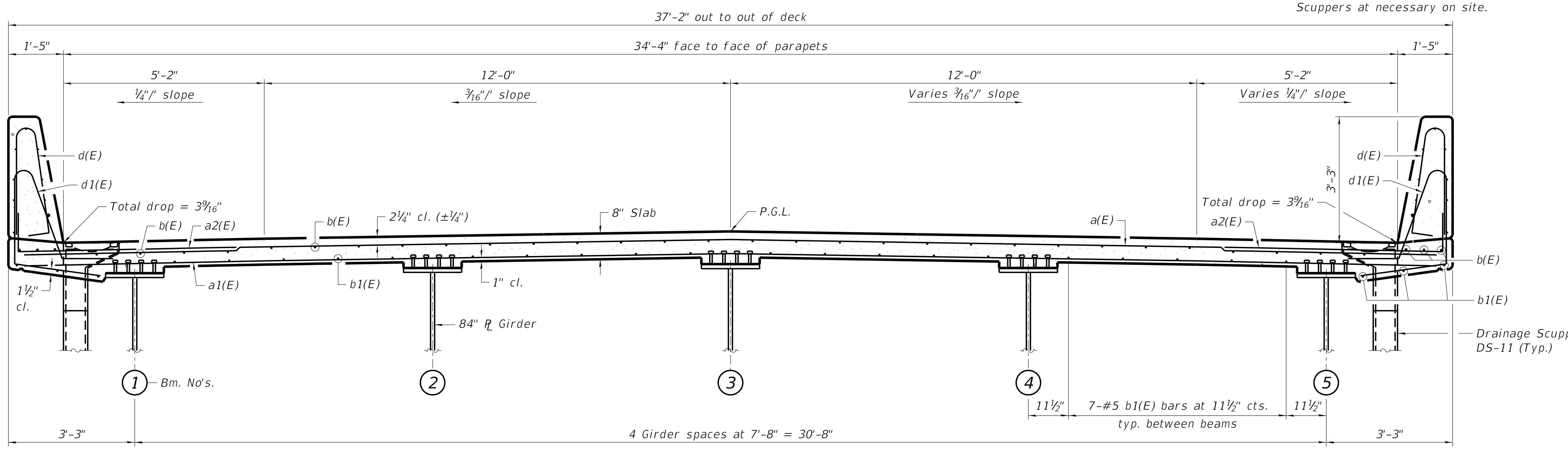
*** See Structural Sheet 10 of 47 for Section D-D.

See Structural Sheet 8 of 47 for superstructure details and Bill of Material.

Bars indicated thus 34 x 7-#5 etc. indicates 34 lines of bars with 7 lengths per line.

See Structural Sheet 8 of 47 for parapet reinforcement.

Trim to fit a(E), a1(E), a2(E) bars near the Drainage Scuppers at necessary on site.



CROSS SECTION

(Looking East)

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	RDA
REVIEWED	BKC
APPROVED	PLP

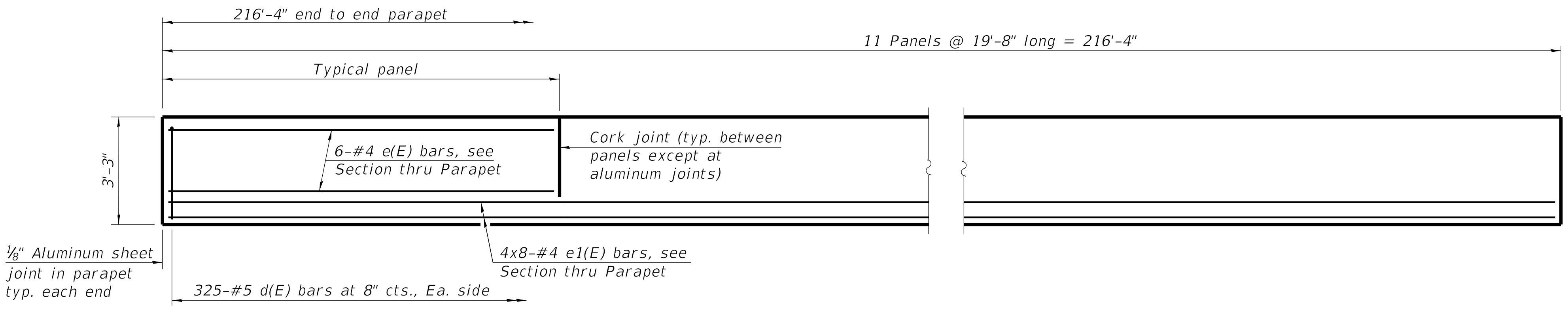
LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SUPERSTRUCTURE
STRUCTURE NO. 050-3601

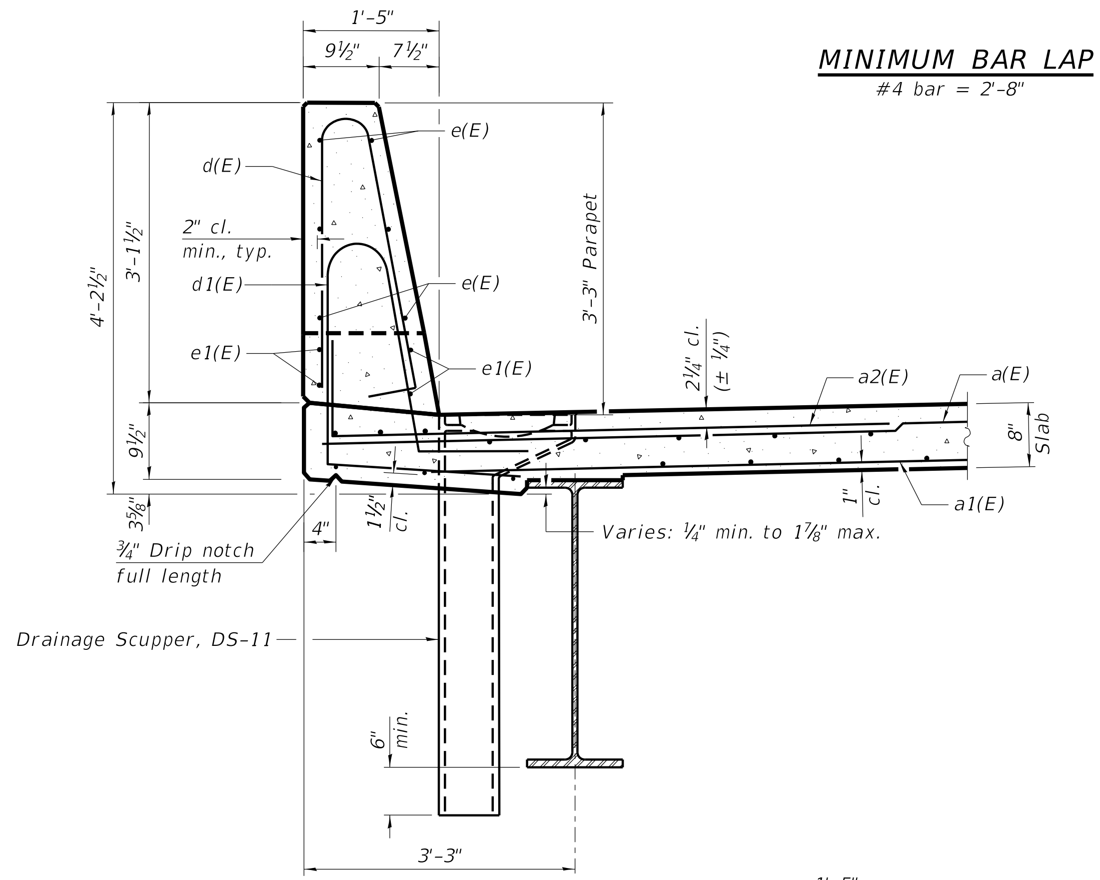
STRUCTURAL SHEET NO. 7 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	29
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

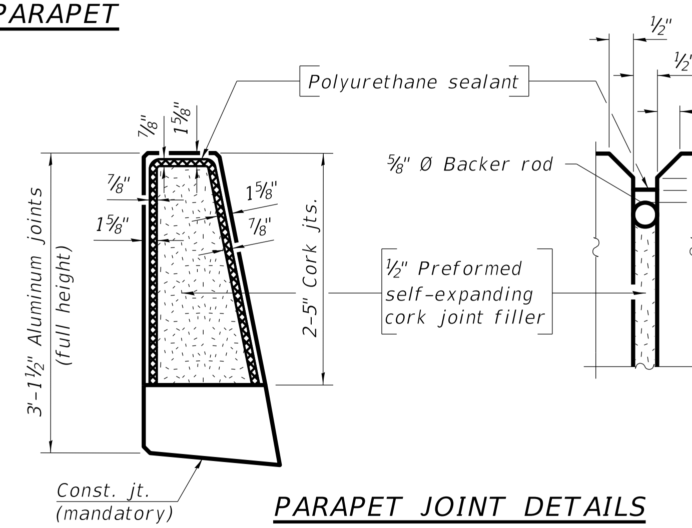


INSIDE ELEVATION OF PARAPET

MINIMUM BAR LAP
#4 bar = 2'-8"



SECTION THRU PARAPET



PARAPET JOINT DETAILS

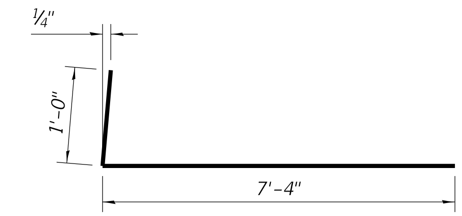
NOTES:

The ⅛" aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.

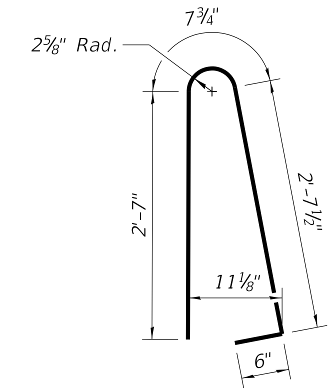
The polyurethane sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.

Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

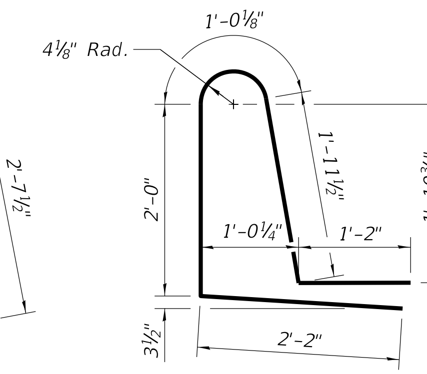
For Drainage Scupper details and Bill of Material, See Structural Sheet 16 of 47.



BAR a2(E)



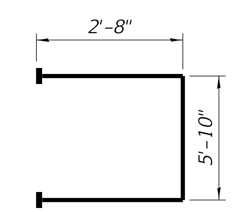
BAR d(E)



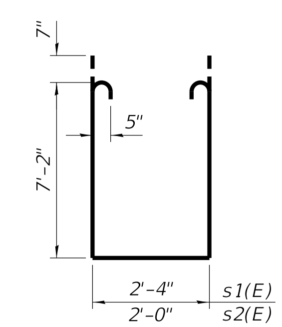
BAR d1(E)

SUPERSTRUCTURE BILL OF MATERIAL

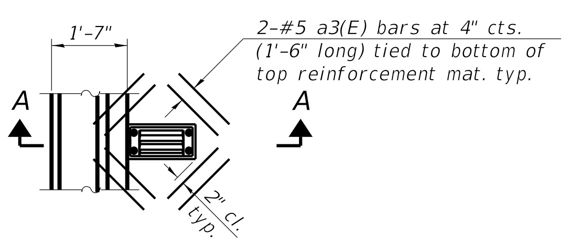
Bar	No.	Size	Length	Shape
a(E)	472	#5	36'-10"	
a1(E)	289	#5	36'-2"	
a2(E)	944	#6	8'-4"	
a3(E)	48	#5	1'-6"	
b(E)	280	#5	33'-10"	
b1(E)	272	#5	30'-1"	
d(E)	650	#5	6'-5"	
d1(E)	650	#5	8'-4"	
e(E)	132	#4	19'-4"	
e1(E)	64	#4	29'-4"	
m(E)	31	#6	36'-10"	
m1(E)	64	#6	7'-4"	
m2(E)	70	#6	6'-2"	
m3(E)	4	#6	2'-11"	
s(E)	68	#5	11'-2"	
s1(E)	34	#5	17'-10"	
s2(E)	34	#5	17'-6"	
u(E)	12	#6	9'-1"	
u1(E)	76	#5	4'-8"	
u2(E)	12	#6	8'-9"	
v(E)	76	#5	3'-1"	
Reinforcement Bars, Epoxy Coated		Pound	78,370	
Concrete Superstructure		Cu. Yd.	335.2	
Protective Coat		Sq. Yd.	986	
Bridge Deck Grooving		Sq. Yd.	777	



BAR s(E)
(Headed)

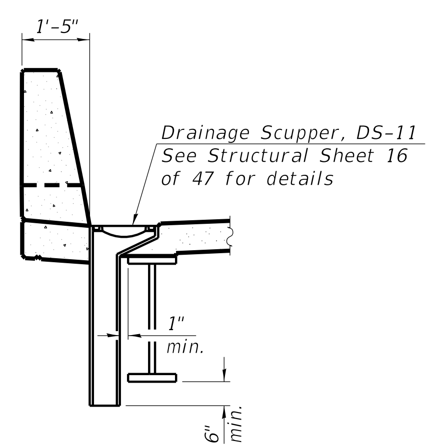


BAR s1(E) or s2(E)

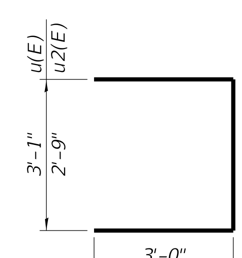


PLAN

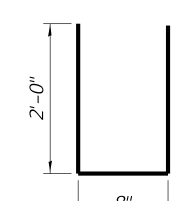
NOTE:
Cut longitudinal reinforcement to clear drainage scuppers.



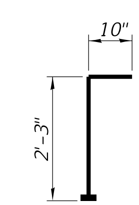
SECTION A-A



BAR u(E) or u2(E)



BAR u1(E)



BAR v(E)
(Headed)

NOTE:
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN RDA
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 8 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	30
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS FED. AID PROJECT 2MQY(061)			

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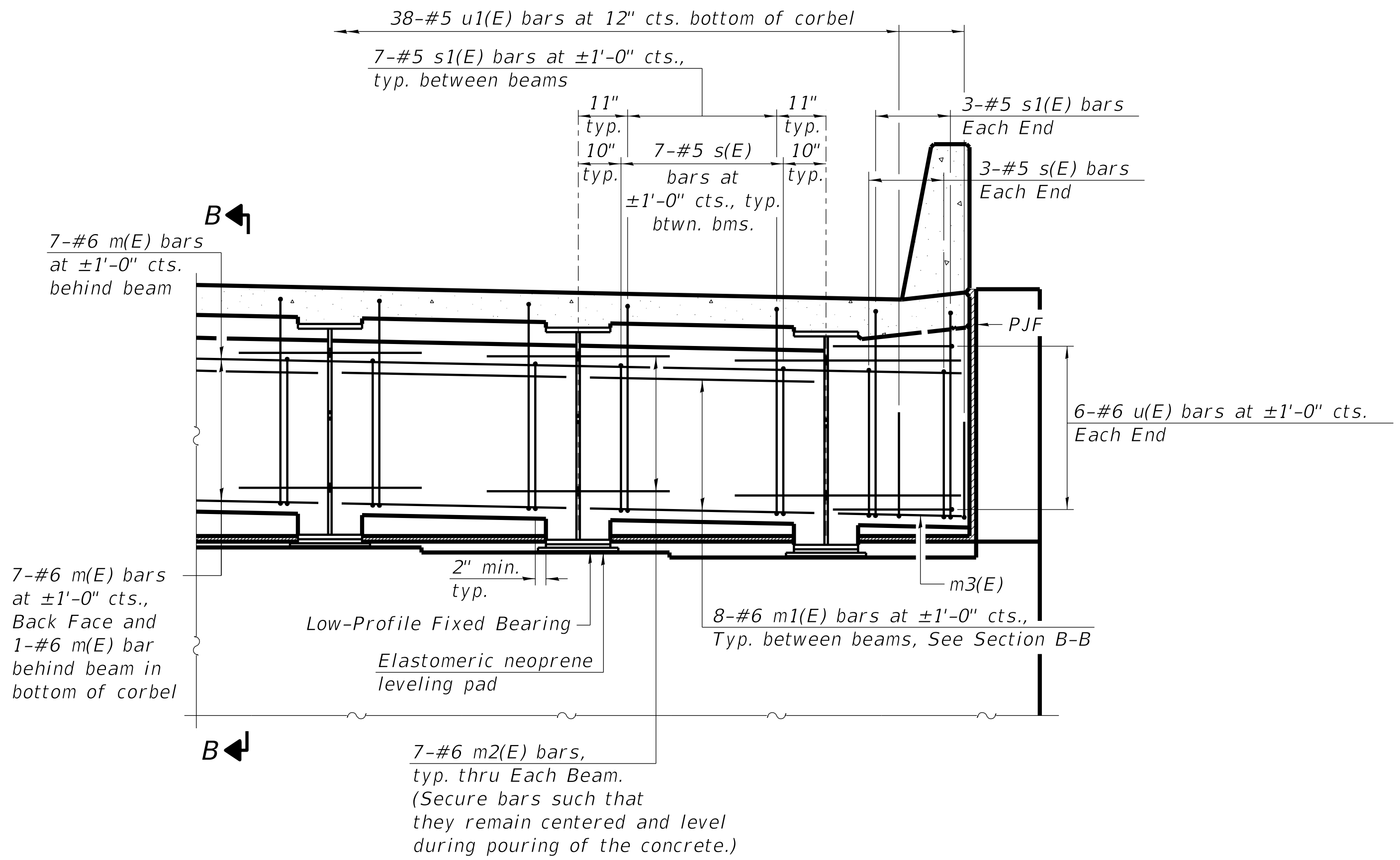
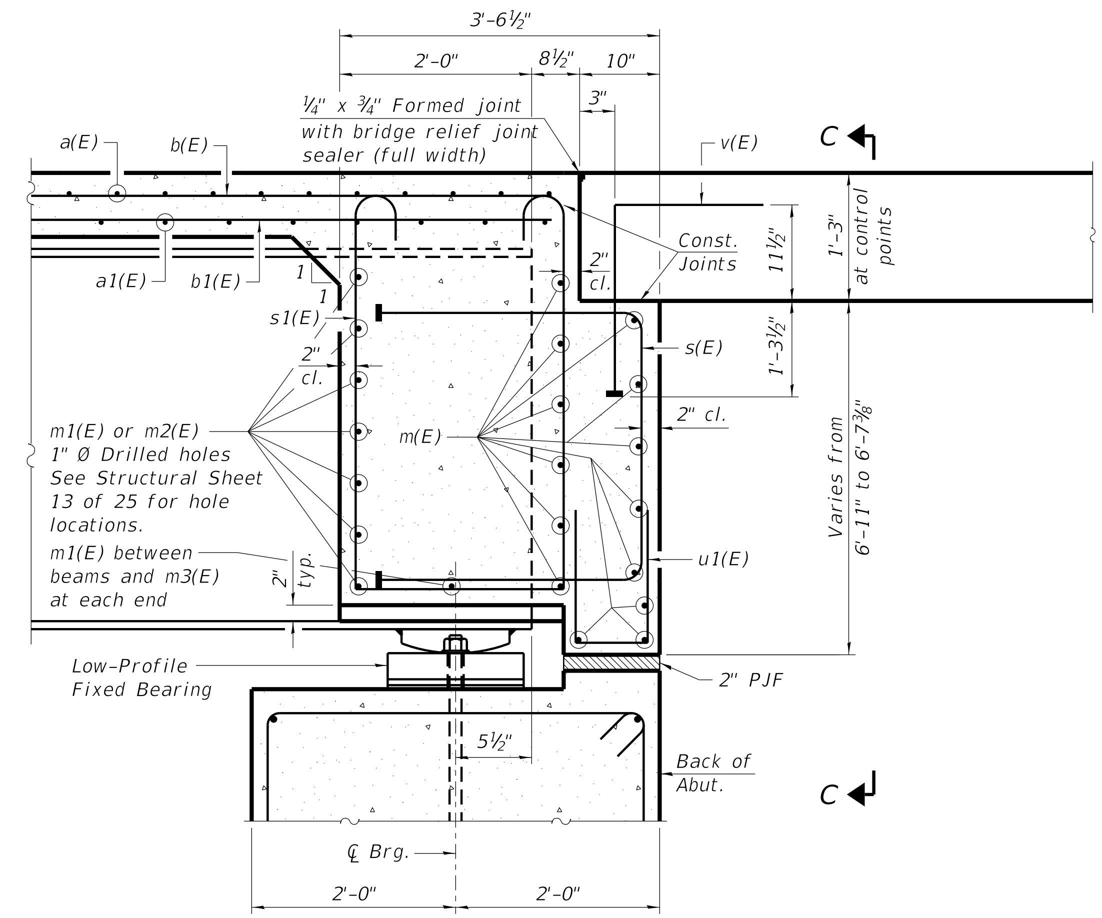
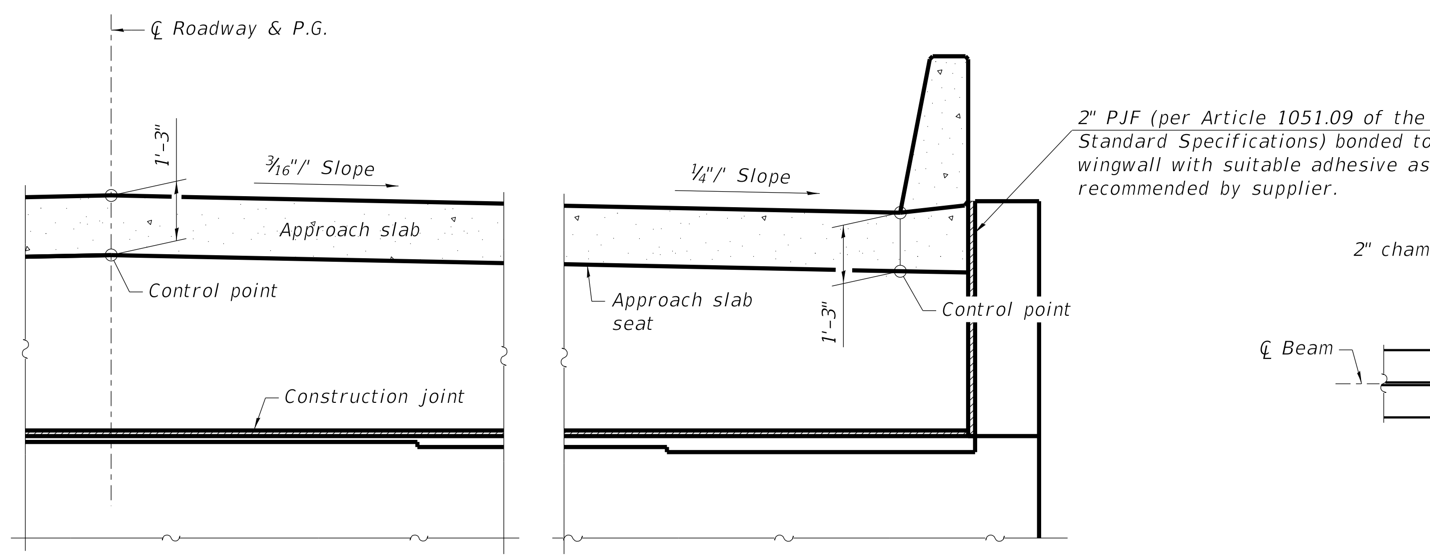


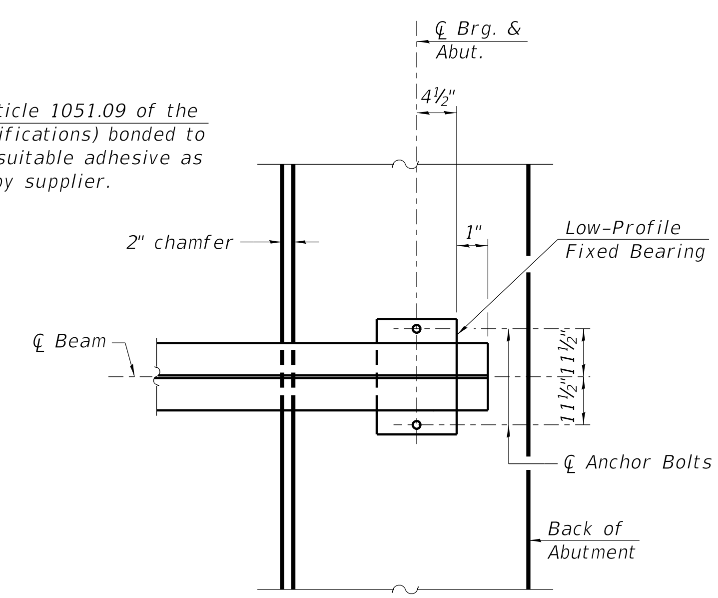
DIAPHRAGM ELEVATION AT WEST ABUTMENT



SECTION B-B



SECTION C-C



PARTIAL PLAN AT WEST ABUTMENT

(Showing bottom flange of beam)

NOTES:

Reinforcement bars in diaphragm are billed with superstructure on Structural Sheet 8 of 31.

Concrete in diaphragm is included with Concrete Superstructure on Structural Sheet 8 of 31.

For details of bars s(E), s1(E), u(E), u1(E), and v(E), see Structural Sheet 8 of 31.

The approach slab seat shall have a constant slope determined from the control points shown.

For bearing details, see Structural Sheet 15 of 31.

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN RDA
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

WEST ABUTMENT DIAPHRAGM DETAILS
STRUCTURE NO. 050–3601
STRUCTURAL SHEET NO. 9 OF 31 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	31

WHA# 1160D14 CONTRACT NO. 87692
ILLINOIS FED. AID PROJECT 2MQY(061)

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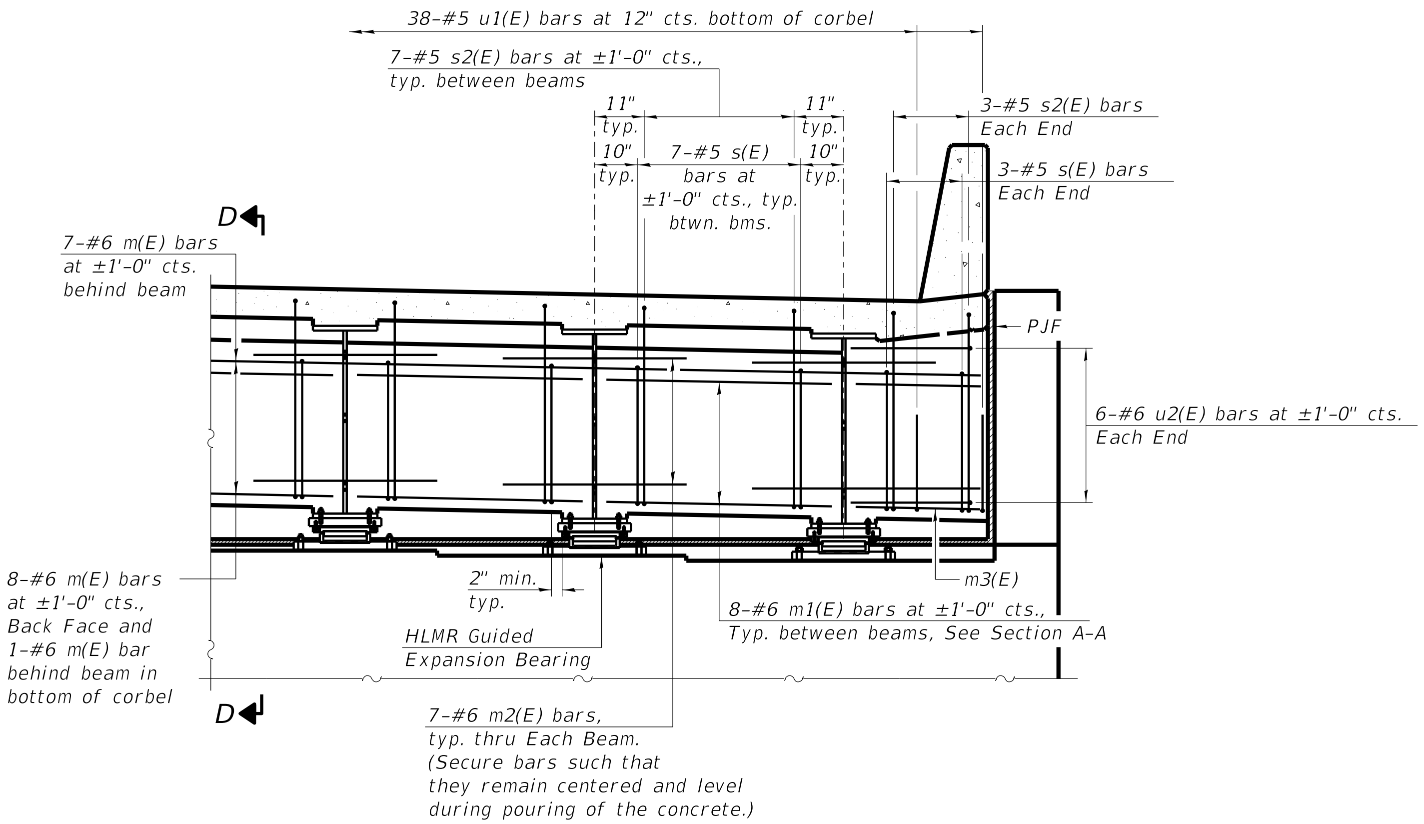
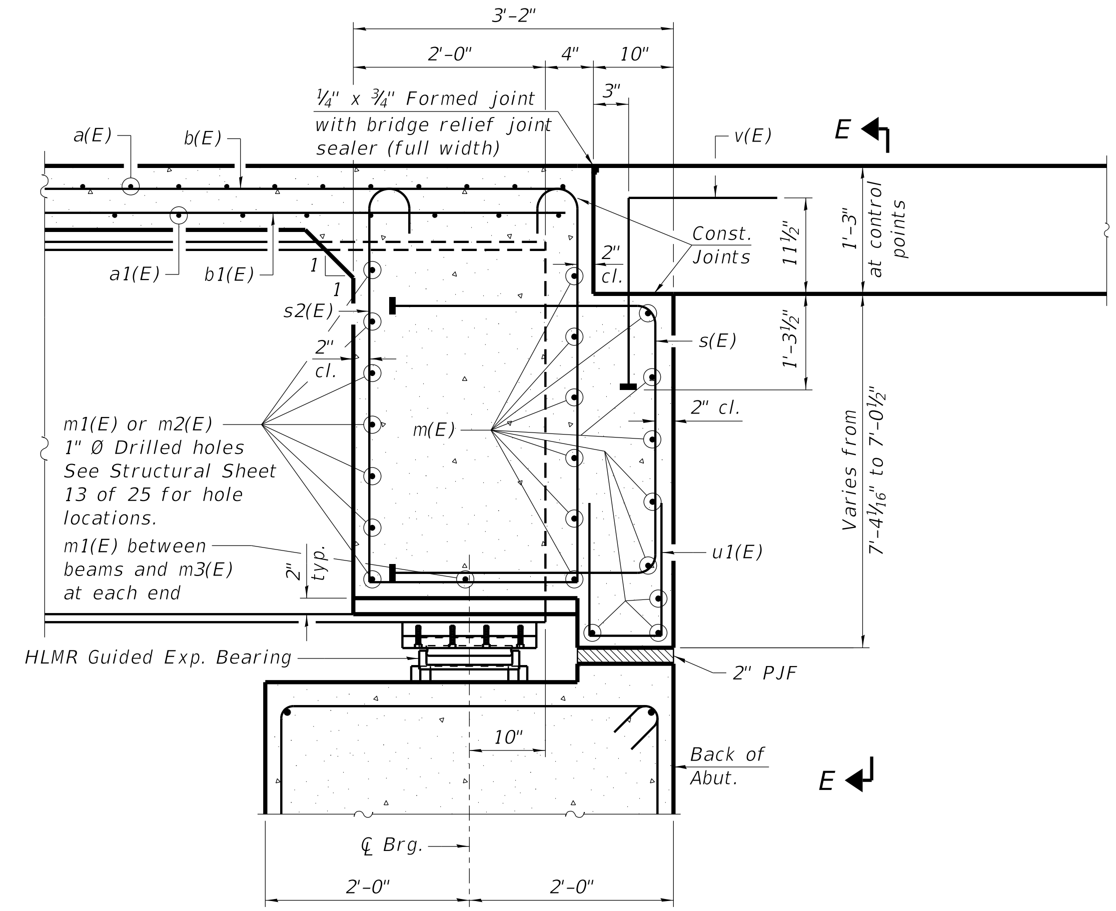
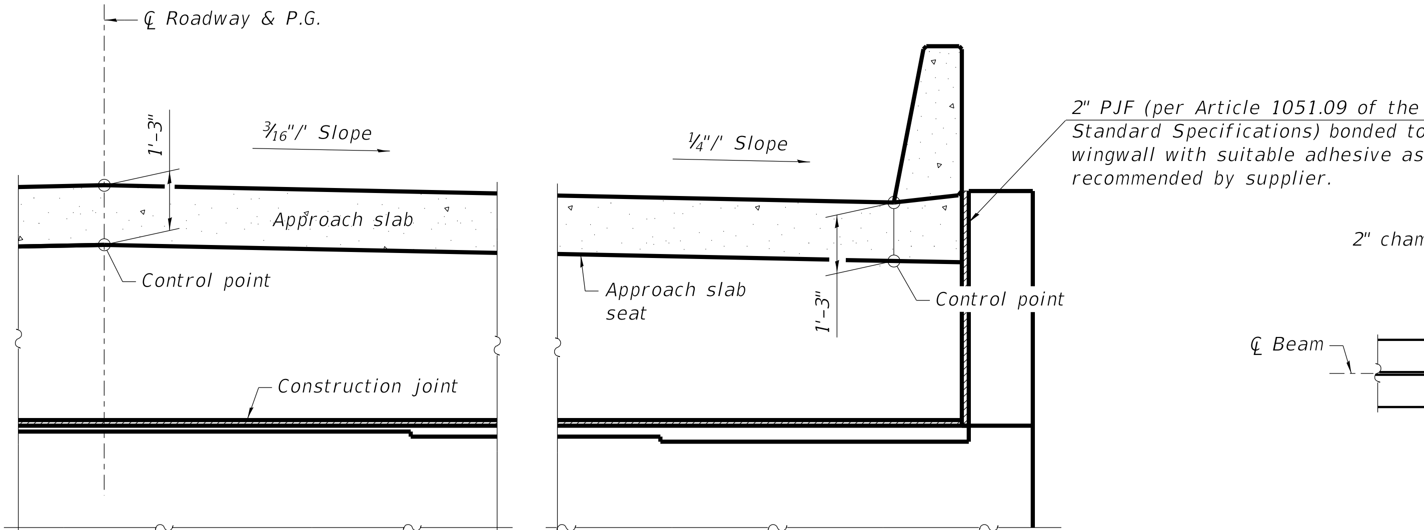


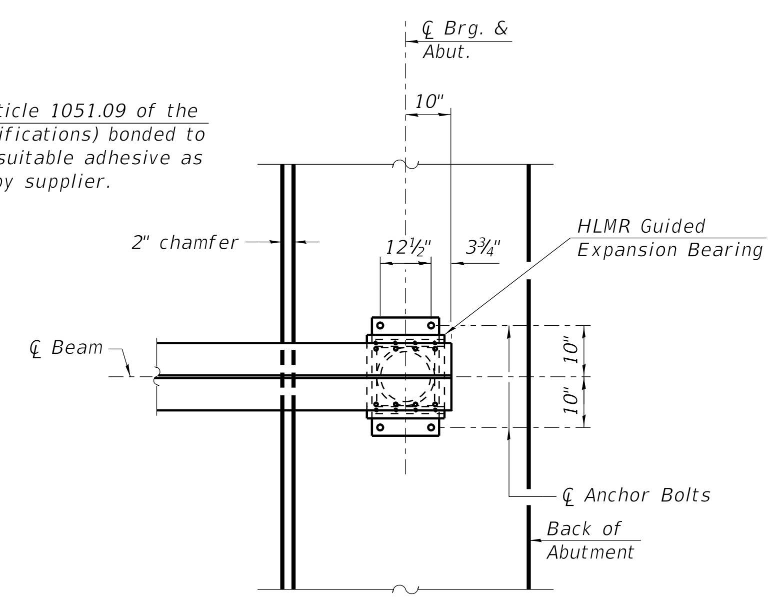
DIAPHRAGM ELEVATION AT EAST ABUTMENT



SECTION D-D



SECTION E-E



PARTIAL PLAN AT EAST ABUTMENT
(Showing bottom flange of beam)

NOTES:

Reinforcement bars in diaphragm are billed with superstructure on Structural Sheet 8 of 31.

Concrete in diaphragm is included with Concrete Superstructure on Structural Sheet 8 of 31.

For details of bars s(E), s2(E), u1E), u2(E), and v(E), see Structural Sheet 8 of 31.

The approach slab seat shall have a constant slope determined from the control points shown.

For bearing details, see Structural Sheet 15 of 31.

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	RDA
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

EAST ABUTMENT DIAPHRAGM DETAILS
STRUCTURE NO. 050-3601
STRUCTURAL SHEET NO. 10 OF 31 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	32
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT	2MQY(061)	

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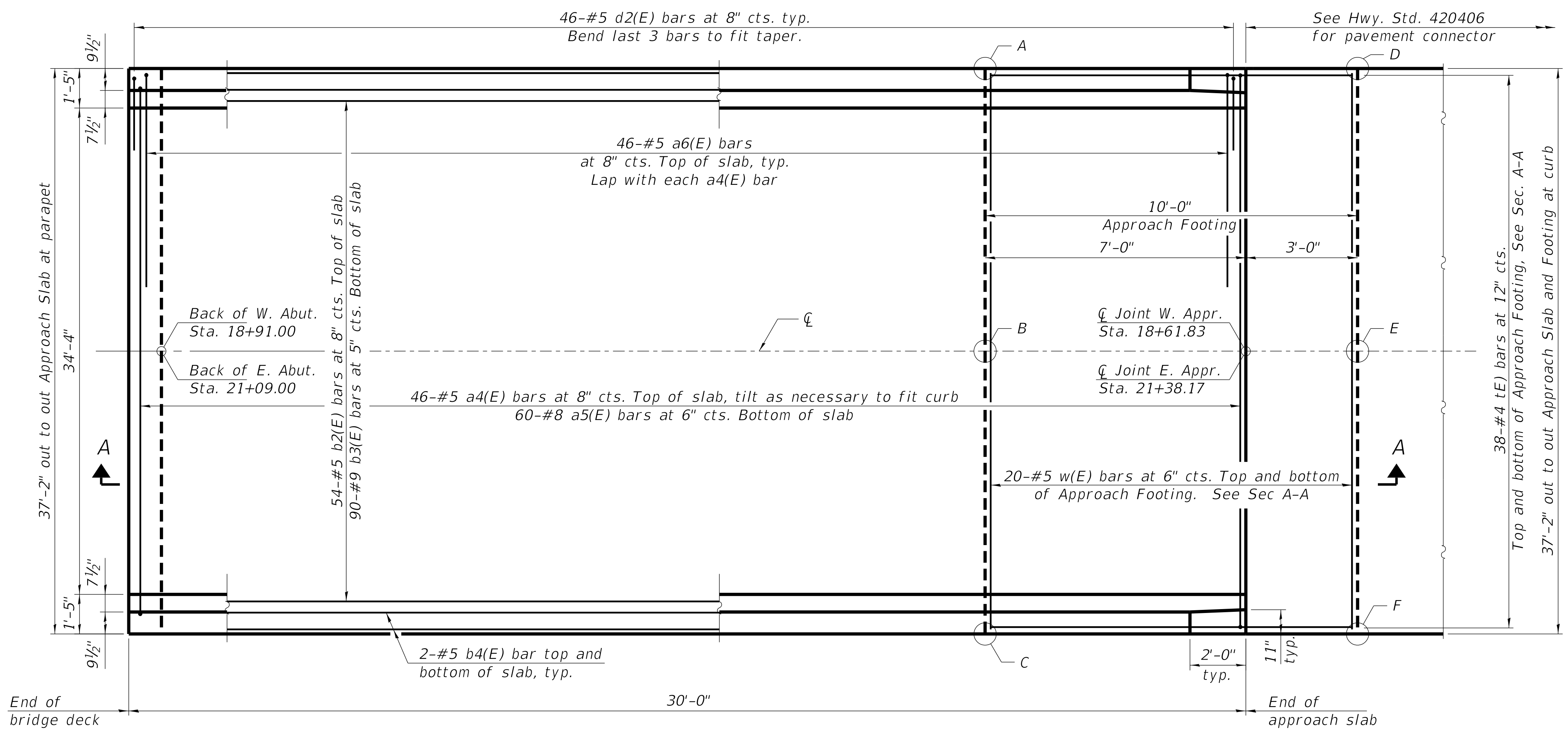
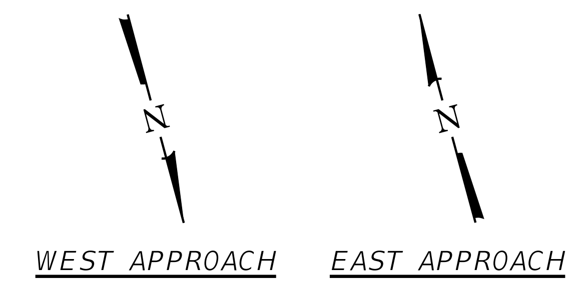


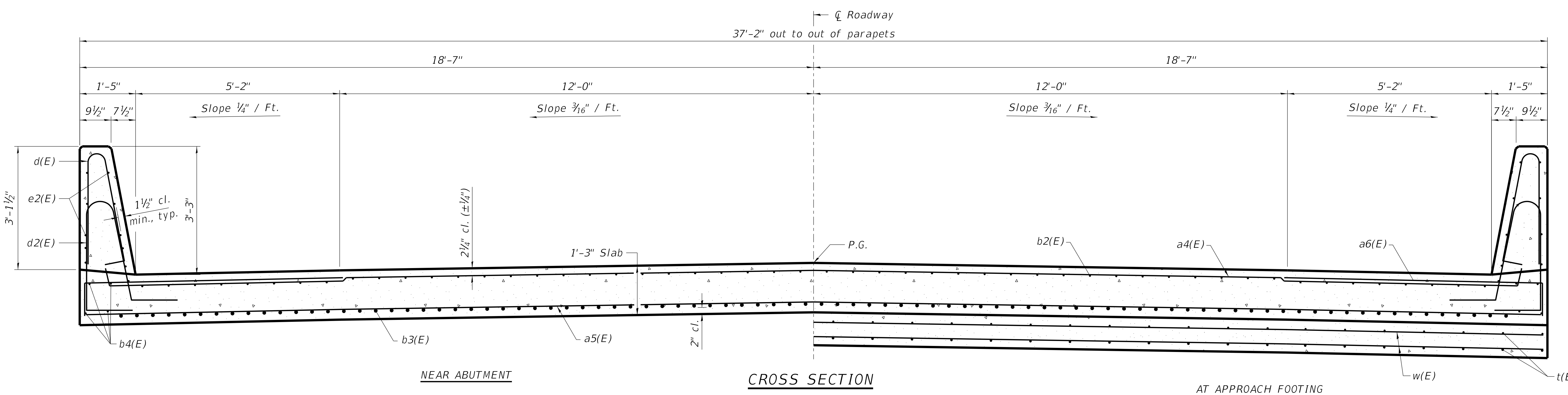
PLAN



TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING

Point	West Approach Top	West Approach Bottom	East Approach Top	East Approach Bottom
A	563.63	562.80	564.96	564.12
B	563.96	563.13	565.28	564.45
C	563.63	562.80	564.96	564.12
D	563.58	562.75	565.03	564.19
E	563.91	563.08	565.35	564.52
F	563.58	562.75	565.03	564.19

NOTE:
See Structural Sheet 12 of 47 for Section A-A.



CROSS SECTION

(Sheet 1 of 2)

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

WEST & EAST BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 11 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	33

WHA# 1160D14 CONTRACT NO. 87692
ILLINOIS FED. AID PROJECT 2MQY(061)

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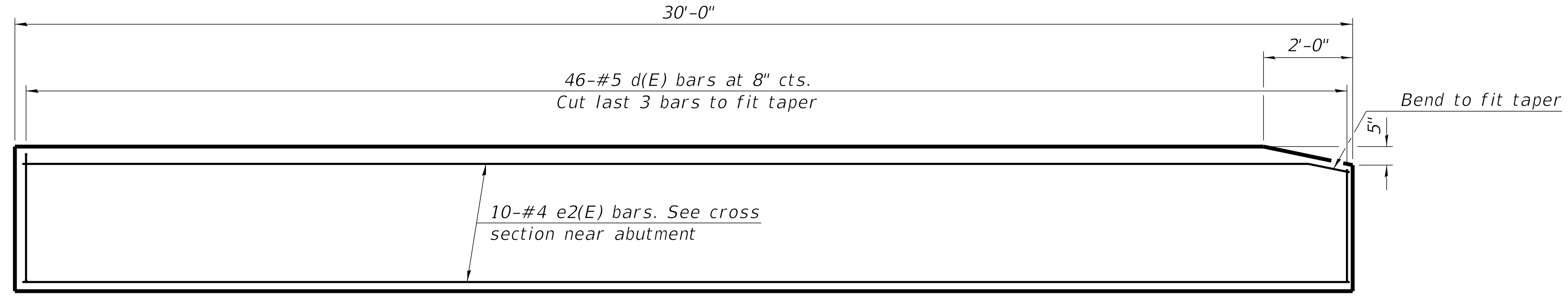
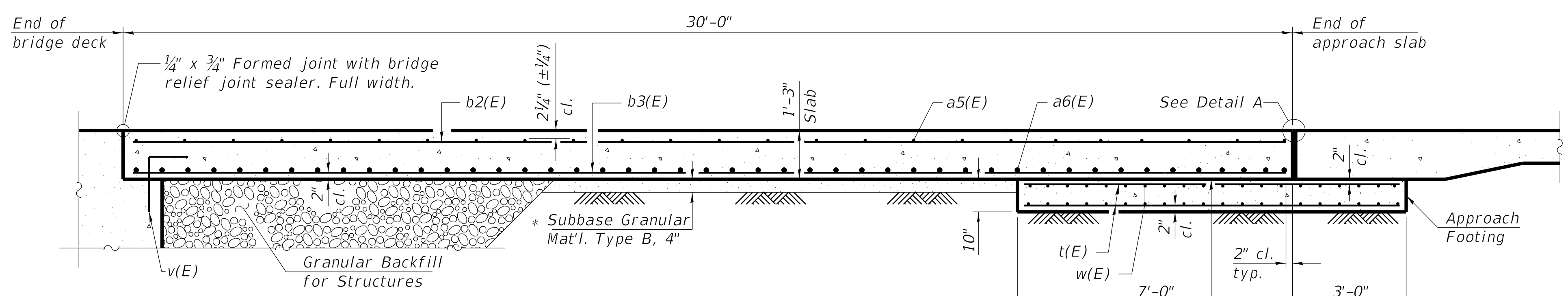
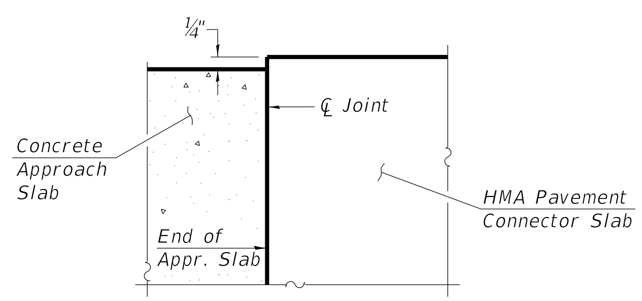


INSIDE ELEVATION OF PARAPET AND CURB



SECTION A-A



DETAIL A

NOTES:

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.

Parapet concrete shall be paid for as Concrete Superstructure.

Approach slab shall be paid for as Concrete Superstructure (Approach Slab).

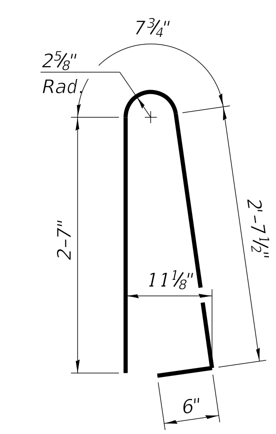
Approach footing concrete shall be paid for as Concrete Structures.

The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.

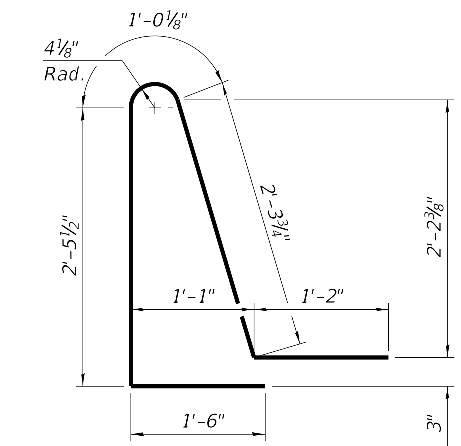
Cost of excavation for approach footing included with Concrete Structures.

For Granular Backfill for Structures and drainage treatment details, see structural sheets 17 & 22 of 47.

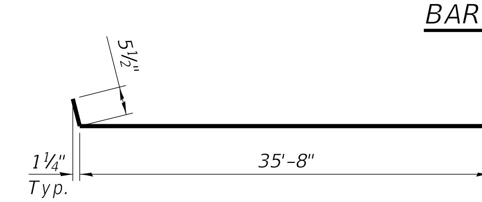
*Cost included with Concrete Superstructure (Approach Slab).



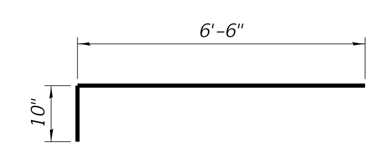
BAR d(E)



BAR d2(E)



BAR a4(E)



BAR a6(E)

TWO APPROACHES BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a4(E)	92	#5	36'-7"	
a5(E)	120	#8	36'-10"	
a6(E)	184	#5	7'-4"	
b2(E)	108	#5	29'-8"	
b3(E)	180	#9	29'-8"	
b4(E)	16	#5	29'-8"	
d(E)	184	#5	6'-5"	
d2(E)	184	#5	8'-6"	
e2(E)	40	#4	29'-8"	
t(E)	152	#4	9'-8"	
w(E)	80	#5	36'-10"	
Protective Coat			Sq. Yd.	274
Concrete Superstructure			Cu. Yd.	15.6
Concrete Superstructure (Approach Slab)			Cu. Yd.	103.2
Concrete Structures			Cu. Yd.	22.9
Reinforcement Bars, Epoxy Coated			Pound	46,420
Bridge Deck Grooving			Sq. Yd.	216

(Sheet 2 of 2)

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
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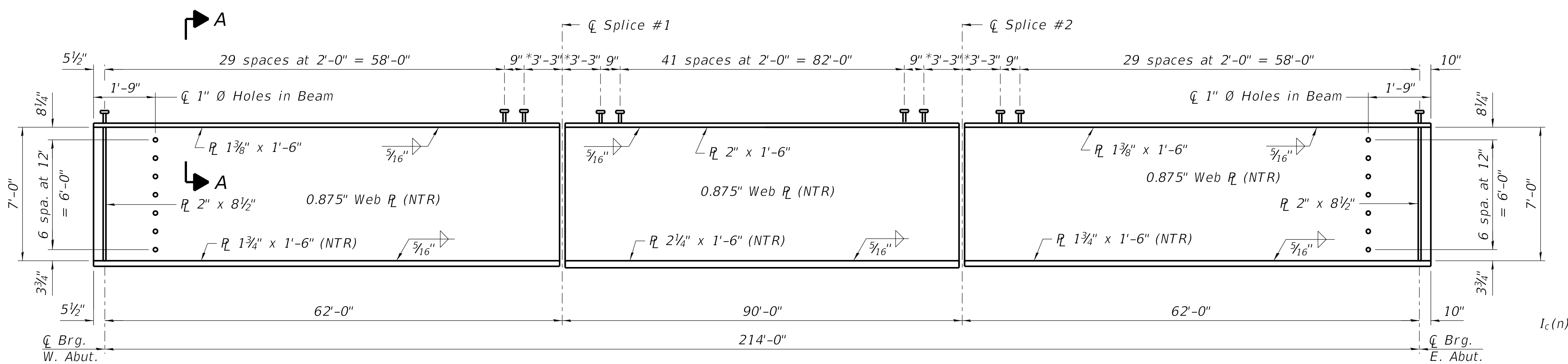
T: 815-284-3381 DESIGN FIRM: #184-000918

WEST & EAST BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 12 OF 47 SHEETS

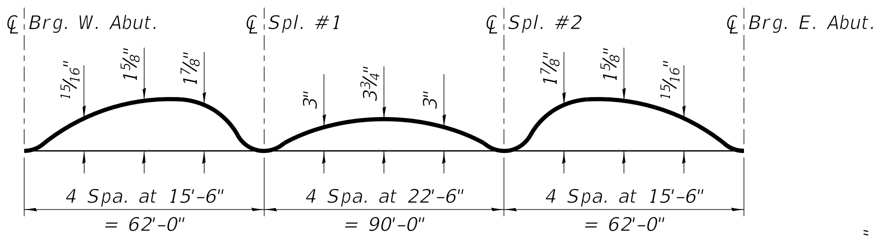
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	34

WHA# 1160D14 CONTRACT NO. 87692
ILLINOIS FED. AID PROJECT 2MQY(061)



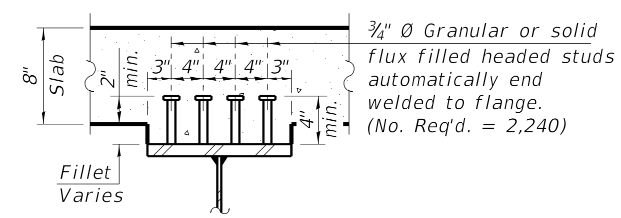
GIRDER ELEVATION

Load carrying components designated "NTR" shall conform to the Impact Testing Requirement, Zone 2.

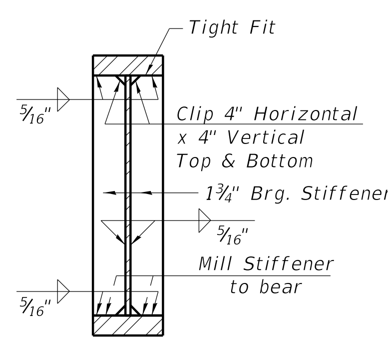


CAMBER DIAGRAM

(Typical for all Beams)



SECTION A-A



SECTION AT ABUTMENT

TOP OF WEB ELEVATIONS (FOR FABRICATORS USE ONLY)				
Beam Number	℄ Brg W. Abut.	Splice #1	Splice #2	℄ Brg. E. Abut.
1	564.208	565.324	565.774	565.278
2	564.345	565.461	565.911	565.415
3	564.465	565.581	566.031	565.535
4	564.345	565.461	565.911	565.415
5	564.208	565.324	565.774	565.278

NOTES:

* See Structural Sheet 14 of 47 for shear stud connector spacing on splice PL's.

All bearings and cross frames shall be AASHTO M 270 Grade 50W.

All plate girder flanges, webs, splicer plates and bearing stiffeners shall be AASHTO M 270 HPS Grade 70W.

INTERIOR GIRDER MOMENT TABLE		
		0.5 Sp. 1
I_s	(in⁴)	184,868
$I_c(n)$	(in⁴)	329,774
$I_c(3n)$	(in⁴)	249,512
$I_c(cr)$	(in⁴)	—
S_s	(in³)	4,306
$S_c(n)$	(in³)	5,314
$S_c(3n)$	(in³)	4,847
$S_c(cr)$	(in³)	—
DC1	(k/')	1.38
M_{DC1}	('k)	7,899
DC2	(k/')	0.21
M_{DC2}	('k)	1,202
DW	(k/')	0.383
M_{DW}	('k)	2,194
LLDF		0.536
M_{LL+IM}	('k)	4,509
M_u (Strength I)	('k)	22,506
$\emptyset_f M_n$	('k)	—
f_s DC1	(ksi)	22.01
f_s DC2	(ksi)	2.98
f_s DW	(ksi)	5.43
f_s (LL+IM)	(ksi)	10.18
f_s (Service II)	(ksi)	43.65
$0.95R_hF_{yf}$	(ksi)	66.50
f_s (Total)(Strength I)	(ksi)	57.2
$\emptyset_f F_n$	(ksi)	70
V_f	(k)	28.8

INTERIOR GIRDER REACTION TABLE		
		Abut.
LLDF		0.791
OCF		—
R_{DC1}	(k)	200
R_{DC2}	(k)	22.5
R_{DW}	(k)	41.0
R_{LL}	(k)	130.2
R_{IM}	(k)	21.3
R_{Total}	(k)	415

BILL OF MATERIAL

Item	Unit	Total
Stud Shear Connectors	Each	2,270
Furnishing and Erecting Structural Steel	L. Sum	1

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

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

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

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

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

M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

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

LLDF: Moment live load distribution factor.

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

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

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

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

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

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

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

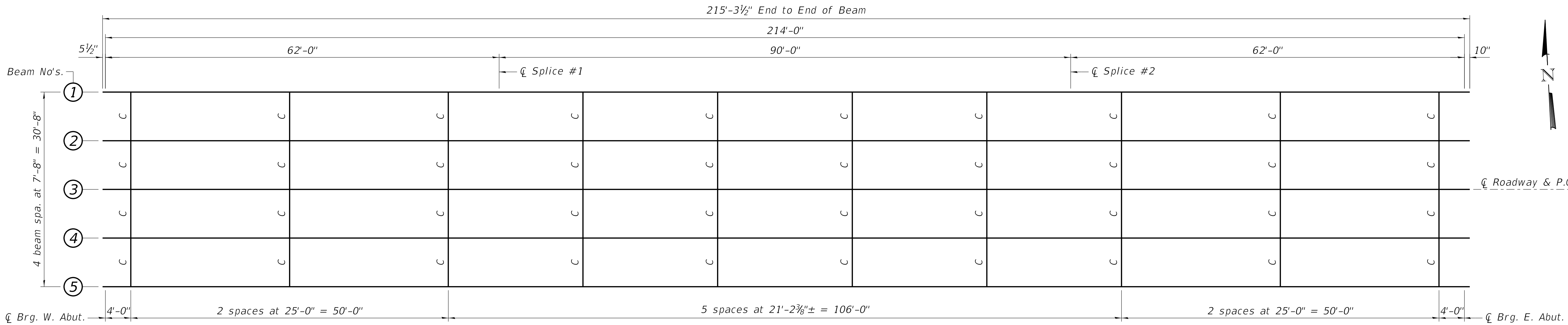
f_s (Service II): Sum of stresses as computed below (ksi).
$f_{sDC1} + f_{sDC2} + f_{sDW} + 1.3\ f_s(_{LL+IM})$

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

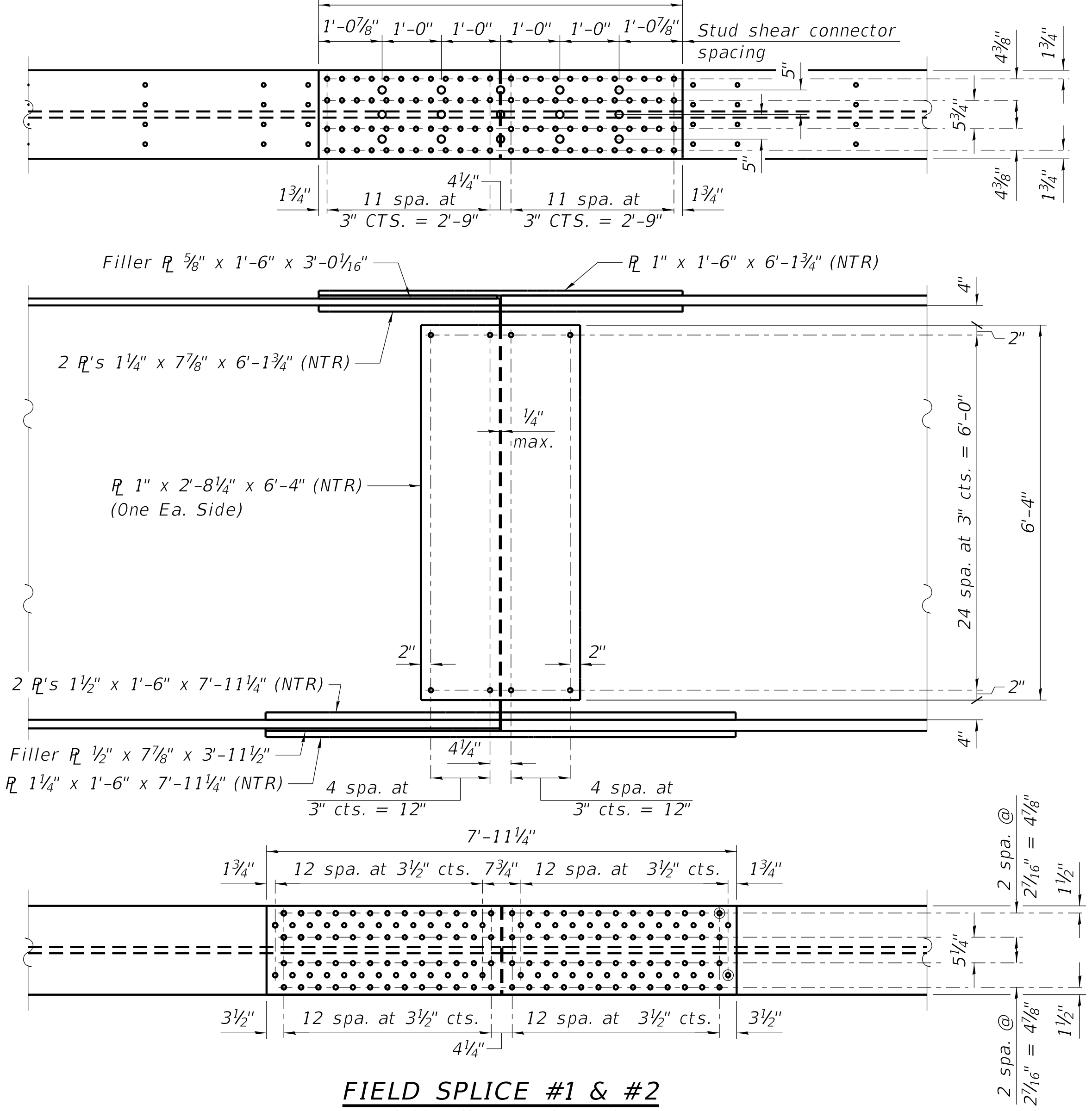
f_s (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
$1.25\ (f_{sDC1} + f_{sDC2}) + 1.5\ f_{sDW} + 1.75\ f_s(_{LL+IM})$

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

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



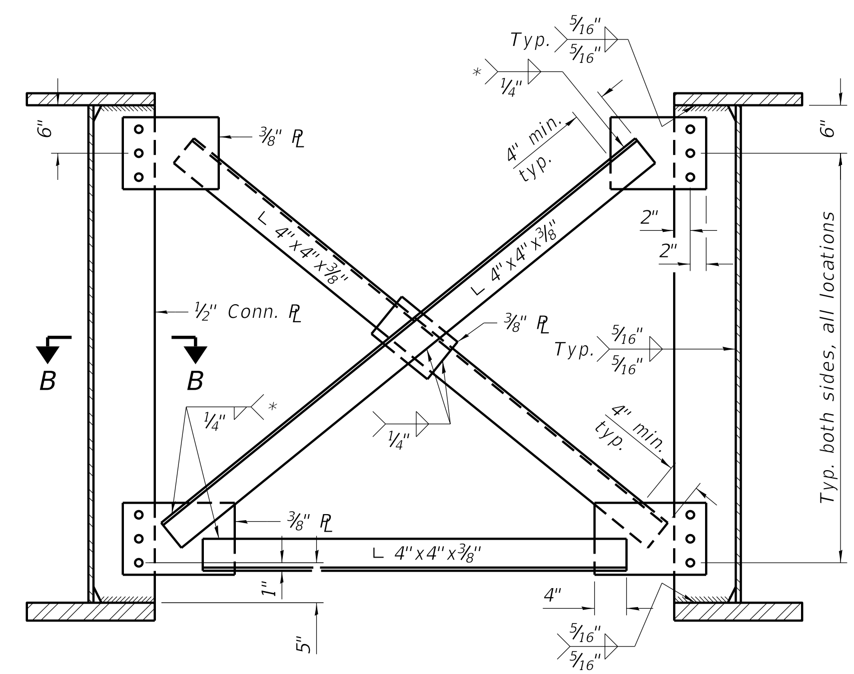
FRAMING PLAN



FIELD SPLICE #1 & #2

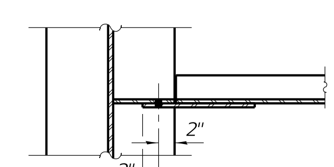
Field Splice #2 mirrored.

Load carrying components designated "NTR" shall conform to the Impact Testing Requirement, Zone 2.



INTERIOR CROSS FRAME (C)

*Fillet weld ∠'s along 3 sides on one face of gusset ℙ



SECTION B-B

NOTES:

All bearings and cross frames shall be AASHTO M270 Grade 50W.

All ℙ girder flanges, webs, splicer ℙ's, and bearing stiffeners shall be AASHTO M270 HPS Grade 70W.

CROSS FRAMES

Bolts shall be ¾" Ø HS bolts, ¹⁵⁄₁₆" Ø holes.

Two hardened washers required for each set of oversized holes.

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

All cross frame ℙ's., members and hardware are included with Furnishing and Erecting Structural Steel on Structural Sheet 13 of 47.

SPLICES

All splice bolts shall be ⅞" Ø A490 H.S. bolts.

All splice ℙ's and hardware are included with Furnishing and Erecting Structural Steel on Structural Sheet 13 of 31.

Contact surfaces for splice bolted connections, for both splice plates and base metal of plate girders, shall be roughened as specified per Art. 506.07 for blast cleaning to a Class B Surface.

REVISION	DATE	BY	REMARKS

DESIGNED PV | DRAWN RDA | REVIEWED BKC | APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

FRAMING PLAN
STRUCTURE NO. 050-3601
STRUCTURAL SHEET NO. 14 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	36
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		

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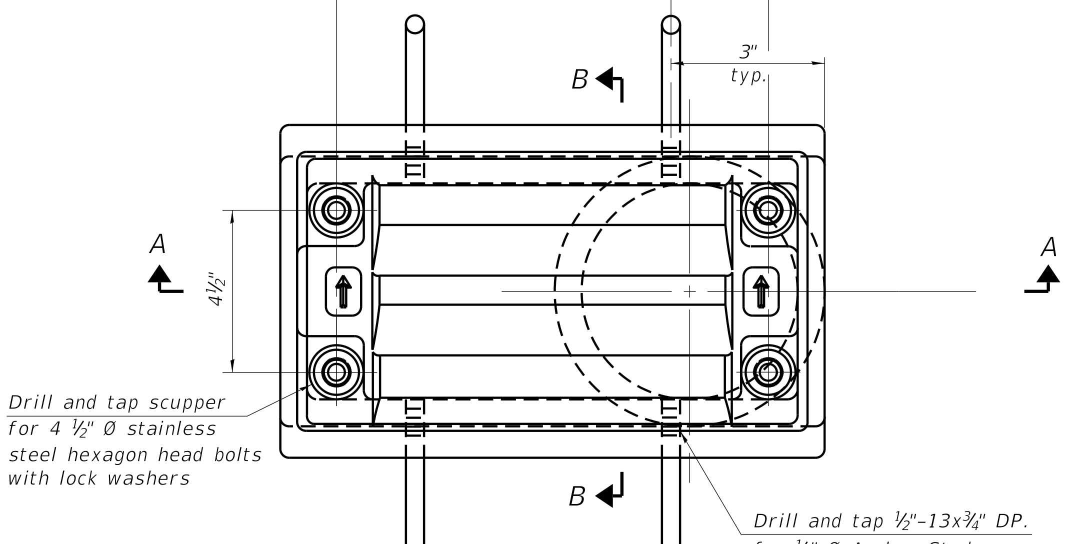

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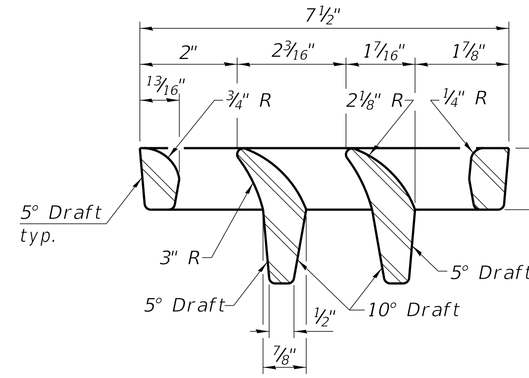
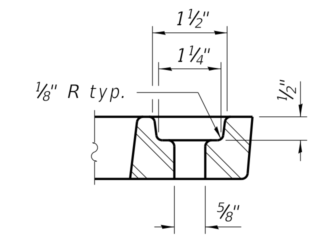


VANE GRATE DETAIL



BOLT HOLE DETAIL

NOTES:

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

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

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

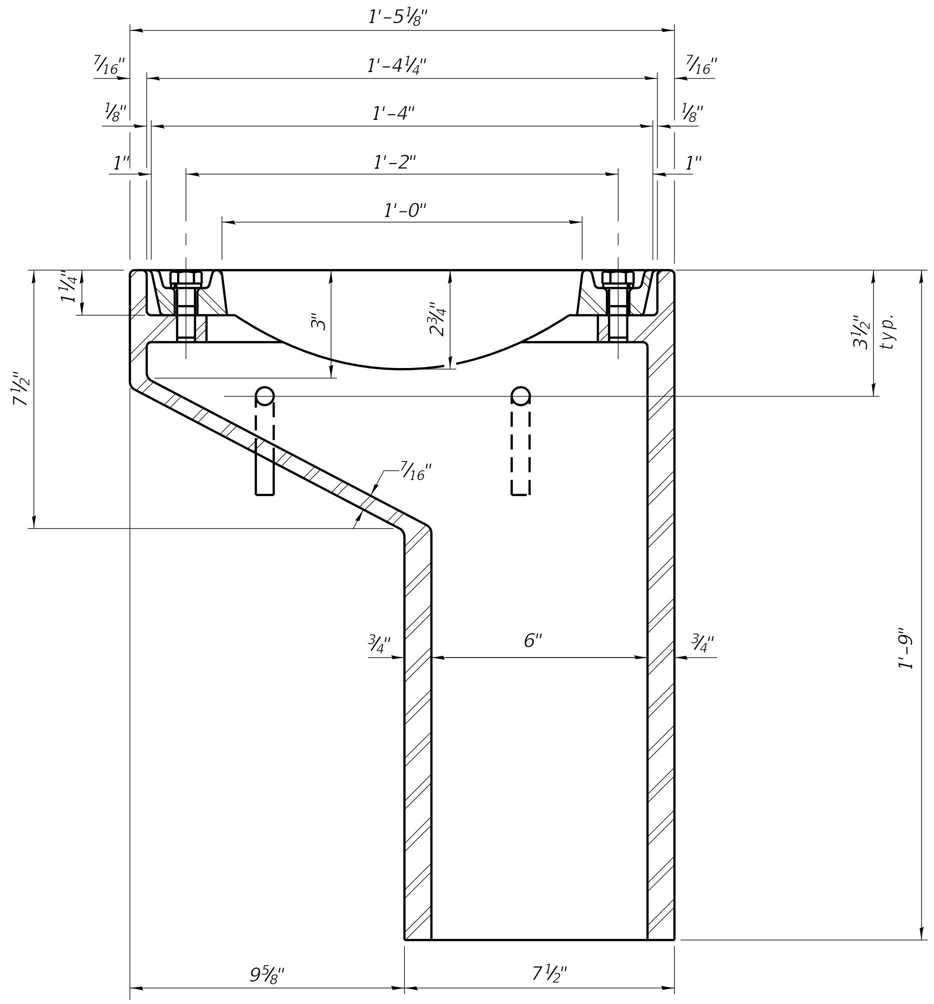
As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard Specifications.

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

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

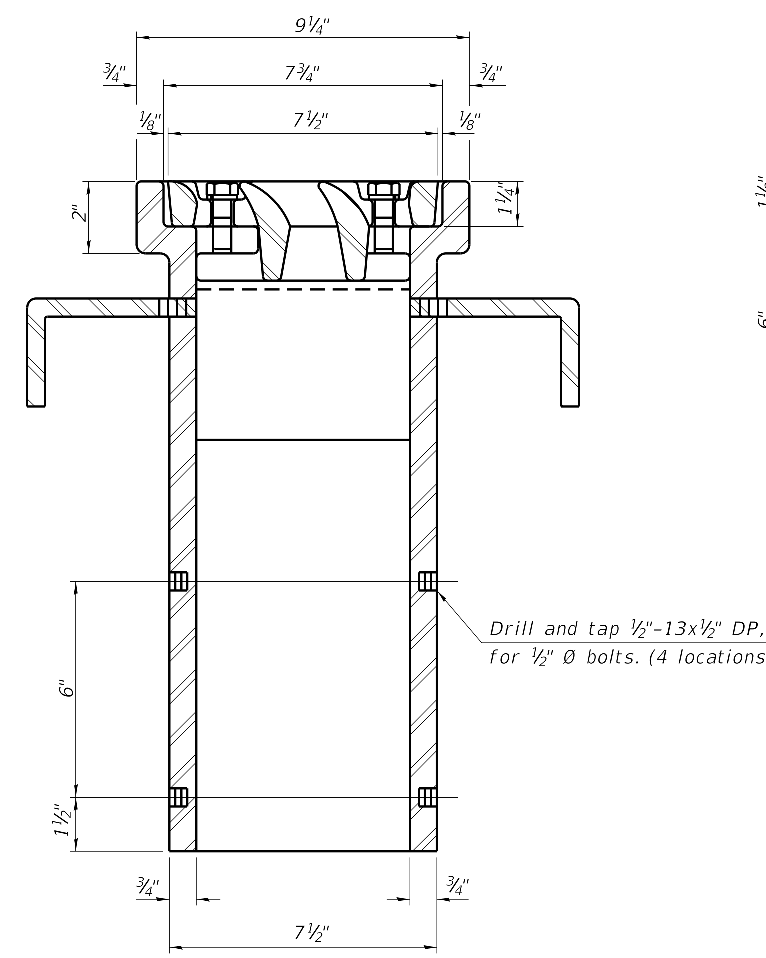
Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-11.

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

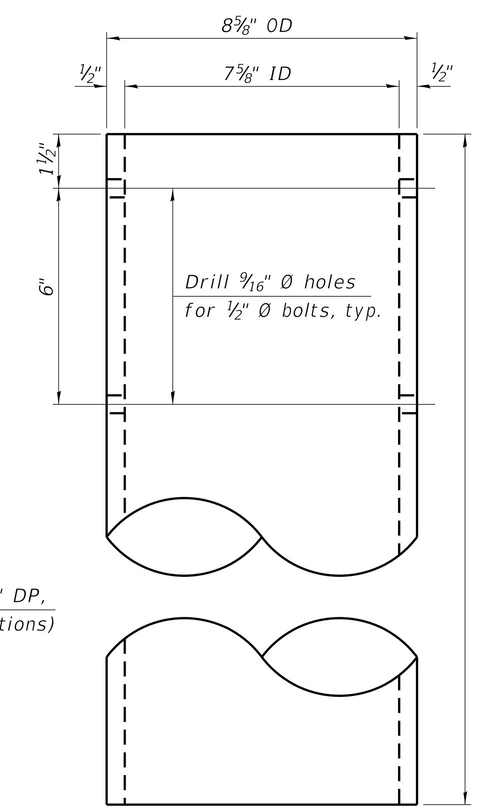


SECTION A-A

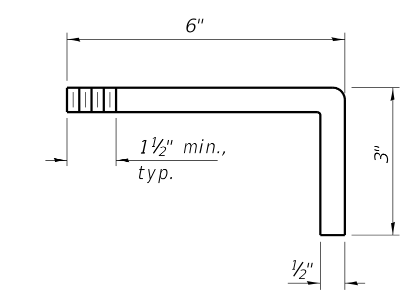
See sheet of for scupper location relative to parapet.



SECTION B-B



DOWNSPOUT



ANCHOR STUD DETAIL

BILL OF MATERIAL

Item	Unit	Quantity
Drainage Scupper, DS-11	Each	6

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN RDA
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
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T: 815-284-3381 DESIGN FIRM: #184-000918

DRAINAGE SCUPPER, DS-11
STRUCTURE NO. 050-3601
STRUCTURAL SHEET NO. 15 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	37
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

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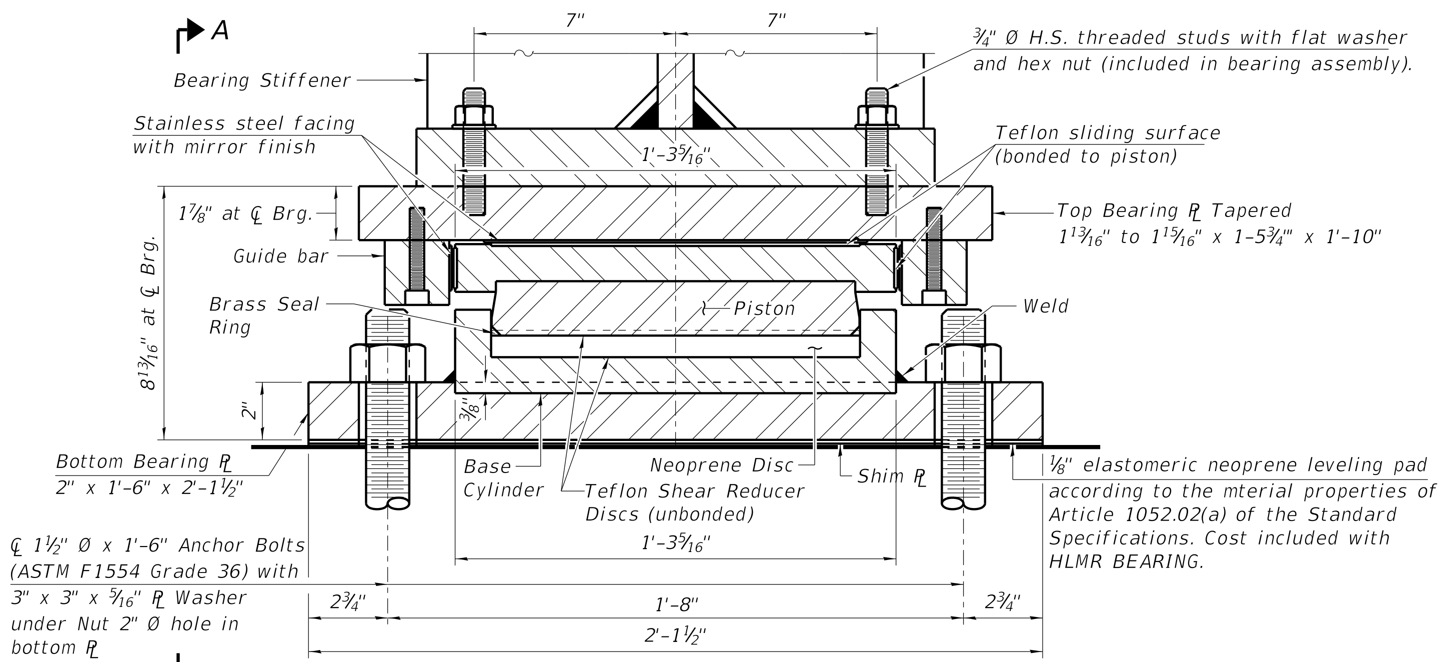
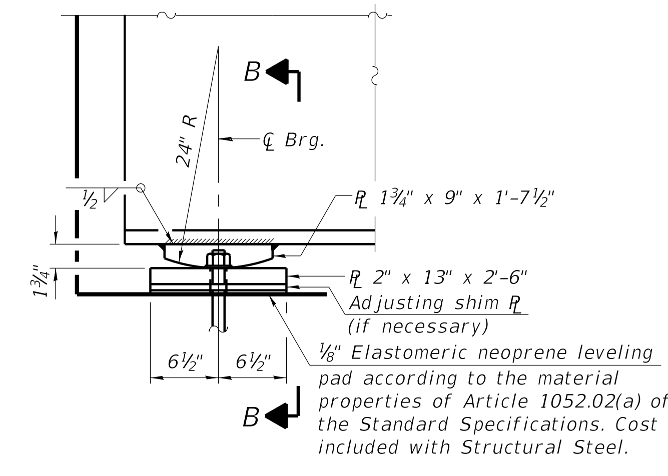
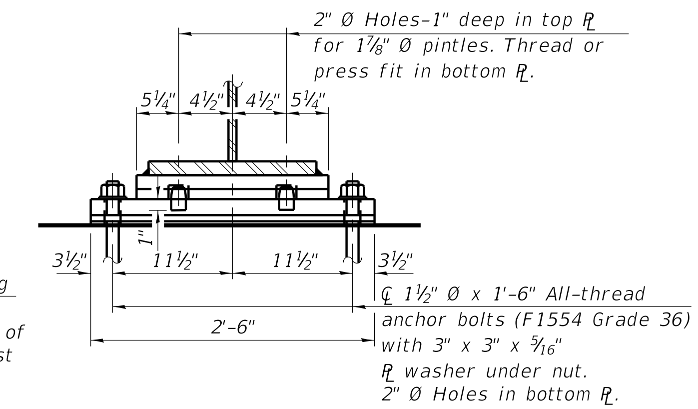


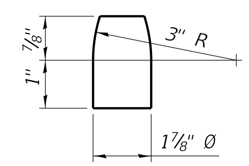
GUIDED EXPANSION FLOATING BEARING - 450K



ELEVATION AT WEST ABUT.



SECTION B-B

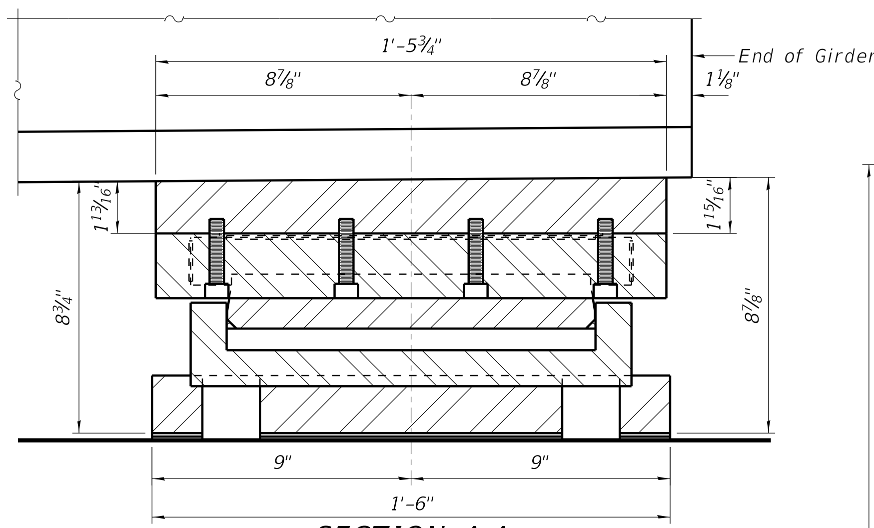


PINTLE

FIXED BEARING

No. required = 5

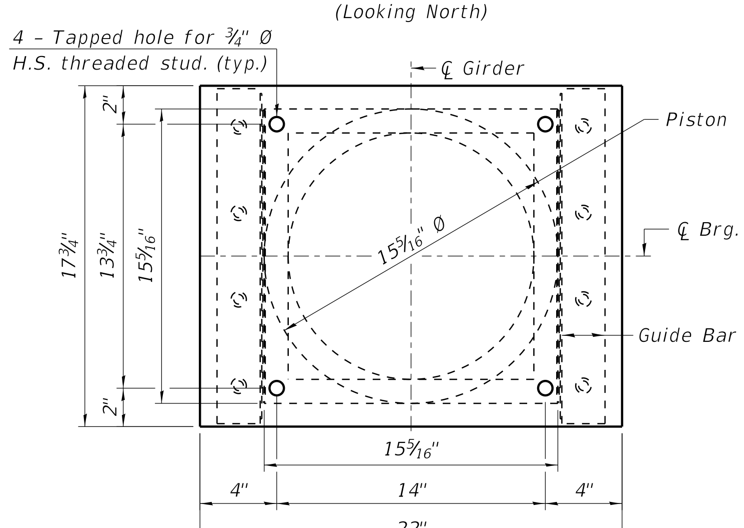
(Fixed bearing plates & pintles are included with Furnishing & Erecting Structural Steel Bill on Structural Sheet 2 of 31.)



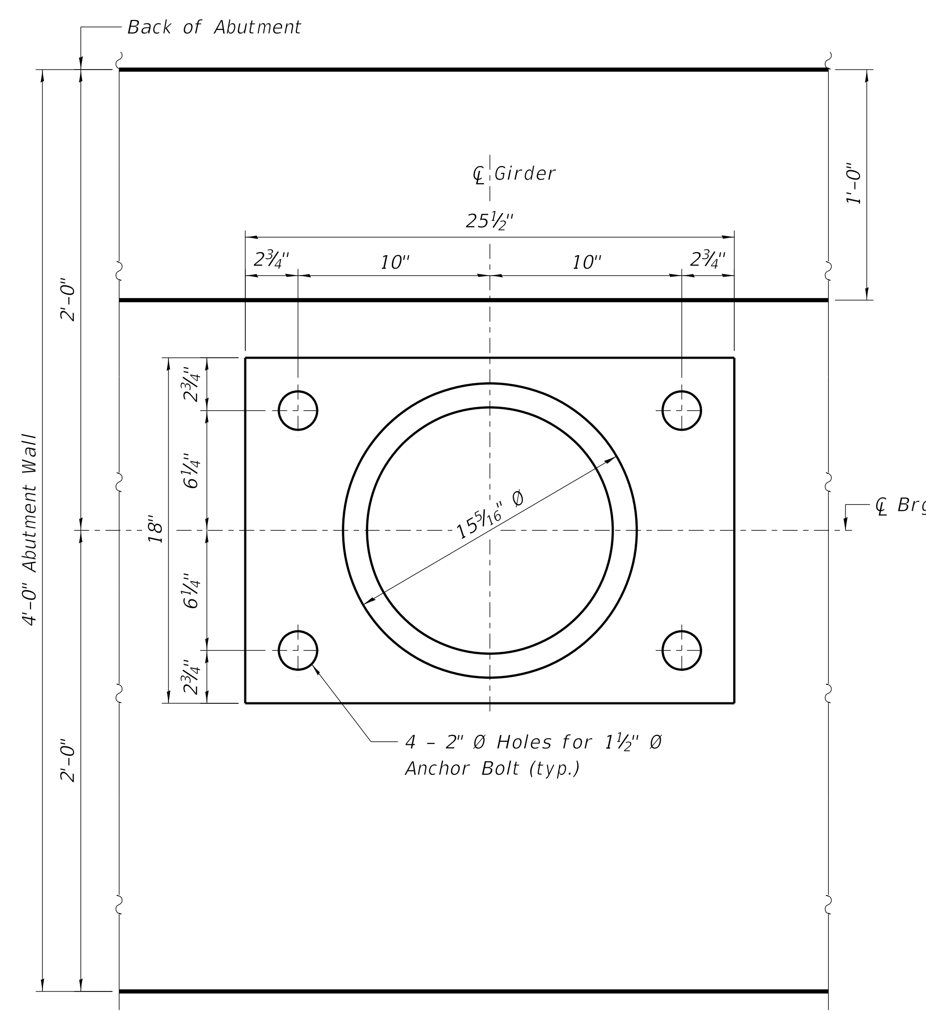
SECTION A-A

ELEVATION AT EAST ABUTMENT

(Looking North)



TOP BEARING ℘ AND PISTON PLAN



BOTTOM BEARING ℘ AND BASE CYLINDER PLAN

HLMR BEARING DATA

Vertical Design Load (kips)	Lateral Design Load (kips)		Total Required Movement (in.)	Total Required Rotation (rad.)	L (in.)	D (in.)	Tt (in.)	Tb (in.)	Th (in.)
	Hu	θu							
415	58.7	0	1¼"	0.0002	15 5/16"	15 5/16"	*	2.0	**

Expansion Length = 214'-0"

*Tapered 1.81" - 1.94"
**Varies 8.75" to 8.875"
Dead Load = 263.5 k
Live Load = 151.5 k

NOTES:

The structural steel plates of both bearing assemblies shall conform to the requirements of AASHTO M 270 Grade 50W.

Two 1/8" adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown in bearing details.

Total Bearing Heights (Th) are based on values taken from a specific manufacturer's design tables. Actual bearing heights may differ from contract plans. Contractor to verify bearing heights and adjust seat elevations if required.

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

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

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

BILL OF MATERIAL

Item	Unit	Total
High Load Multi-Rotation Bearings, Guided Expansion, 450k	Each	5
Anchor Bolts, 1½"	Each	30

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

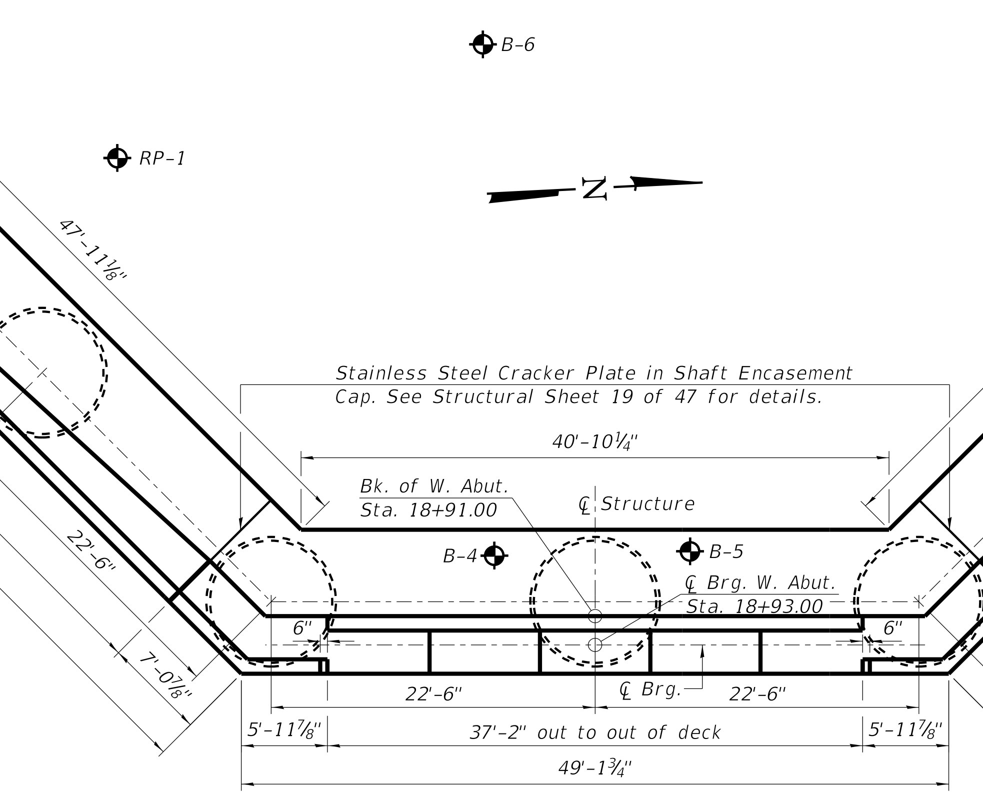
LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

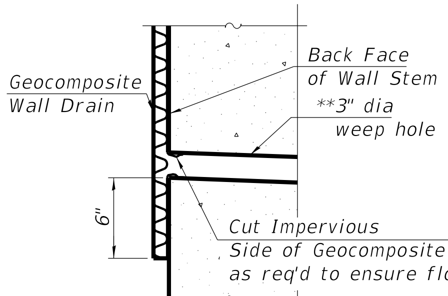
BEARING DETAILS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 16 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	38
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT 2MQY(061)		



PLAN

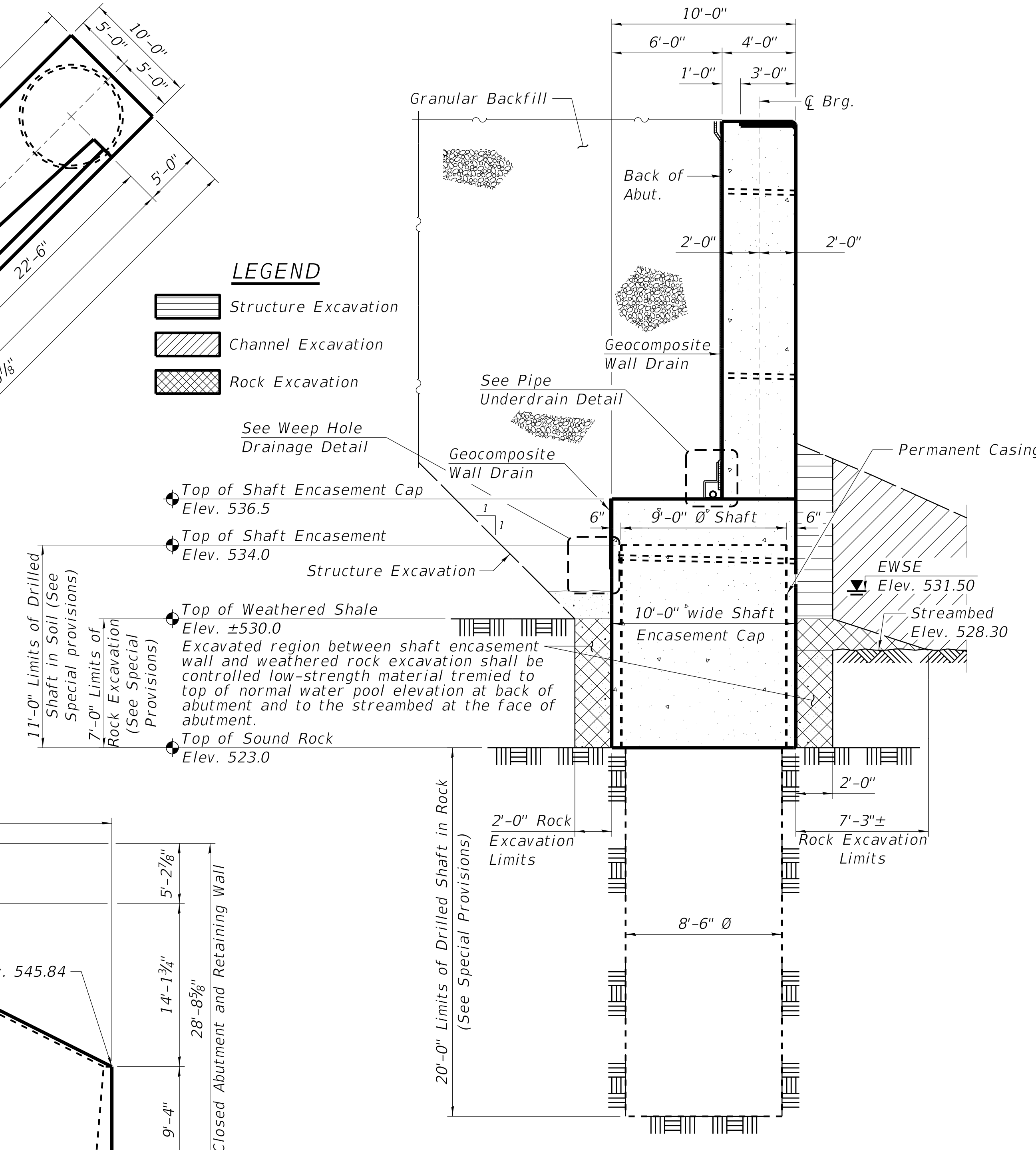


WEEP HOLE DRAIN DETAIL

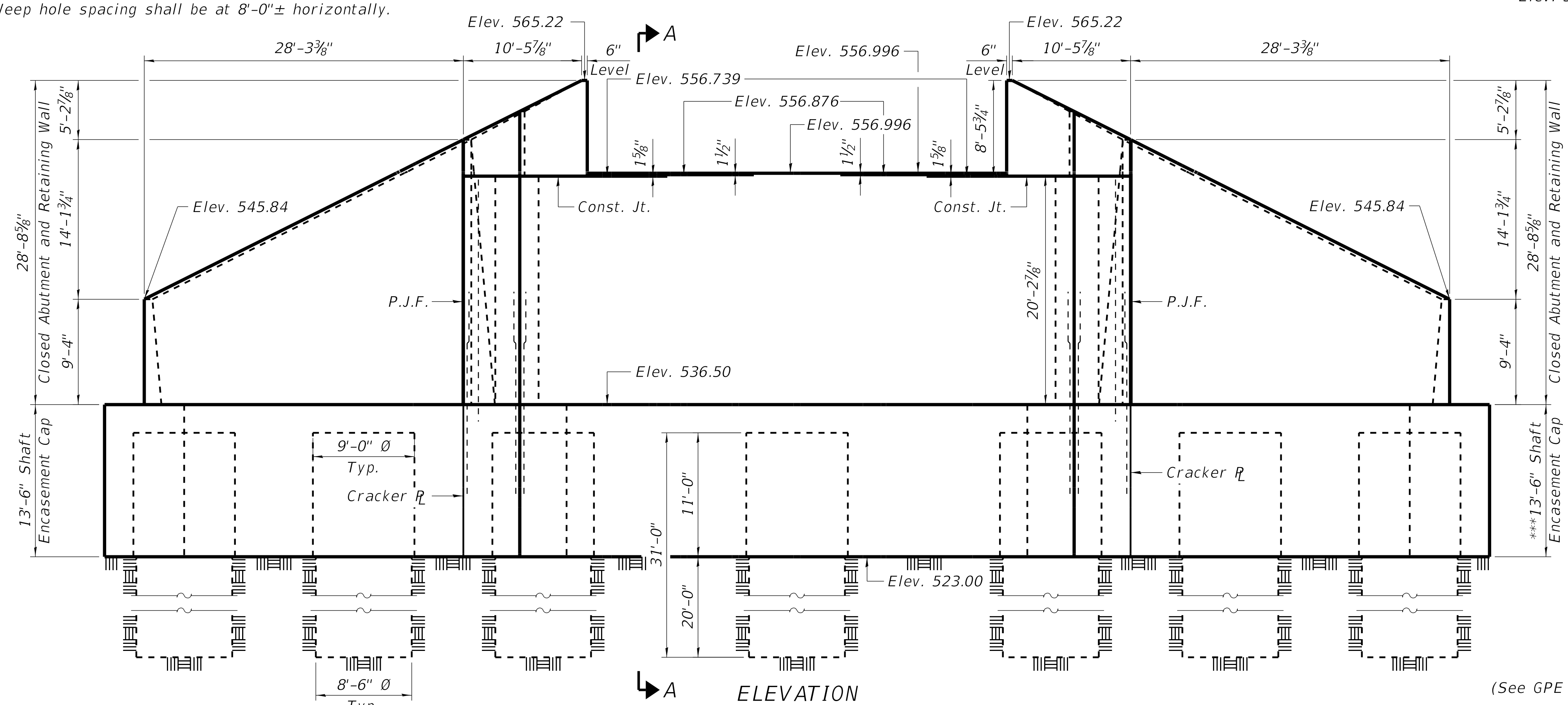
**Weep hole spacing shall be at 8'-0"± horizontally.

LEGEND

- Structure Excavation
- Channel Excavation
- Rock Excavation



SECTION A-A



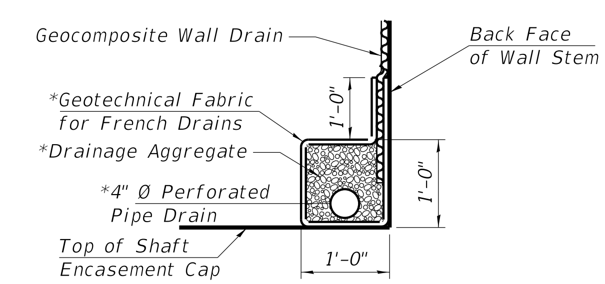
ELEVATION

(Looking West)

ROCK ELEVATION TABLE

Boring/Probe	Offset	Elev.
B-4	7' Rt.	530.72
B-5	7.3' Lt.	527.23
B-6	6.6' Rt.	528.60
RP-1	32' Rt.	535.70
RP-2	32' Lt.	534.30

(See GPE Structural sheet 1 of 47 for Boring location)



PIPE UNDERDRAIN DETAIL

*Included in the cost of Underdrains for Structures

***See Special Provisions for construction sequence of Shaft Encasement Cap.

(Sheet 1 of 5)

REVISION	DATE	BY	REMARKS

DESIGNED SM
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

WEST ABUTMENT DETAILS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 17 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	39

WHA# 1160D14 — CONTRACT NO. 87692

ILLINOIS FED. AID PROJECT 2MQY(061)

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PRINT_ORGANIZER_BW.pltcfg 3/27/2020 3:24:40 PM : PLOTTED

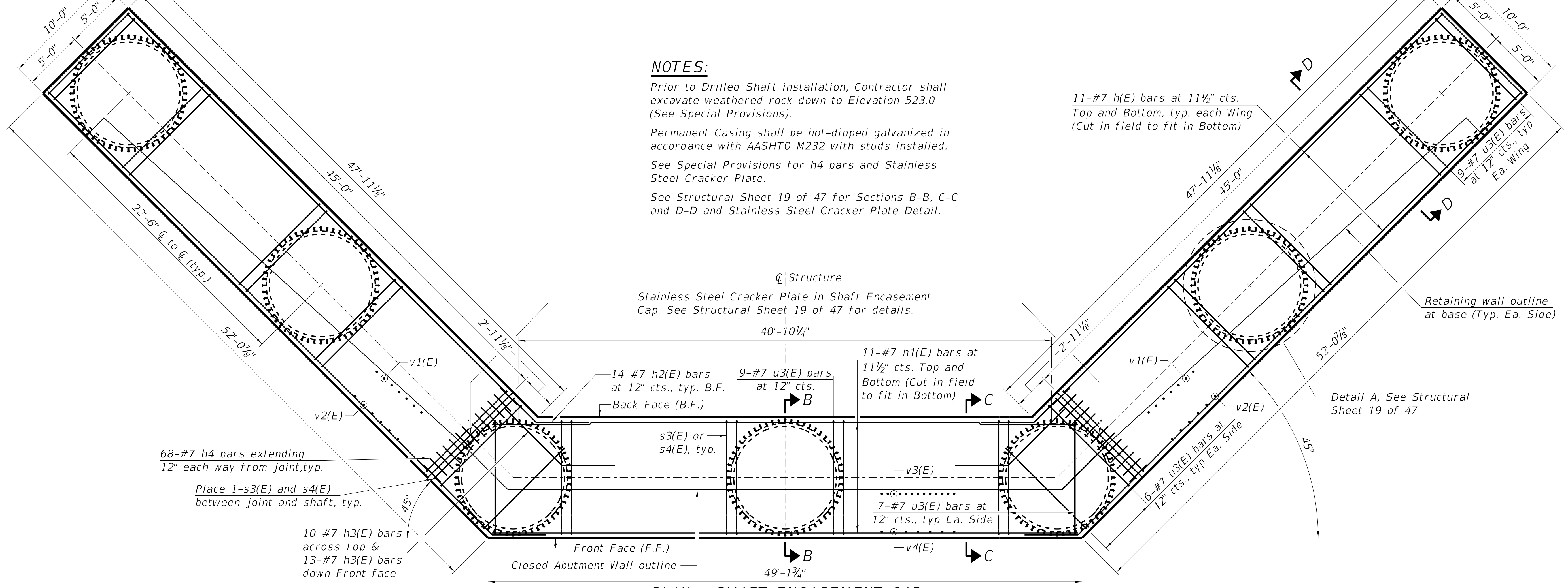
NOTES:

Prior to Drilled Shaft installation, Contractor shall excavate weathered rock down to Elevation 523.0 (See Special Provisions).

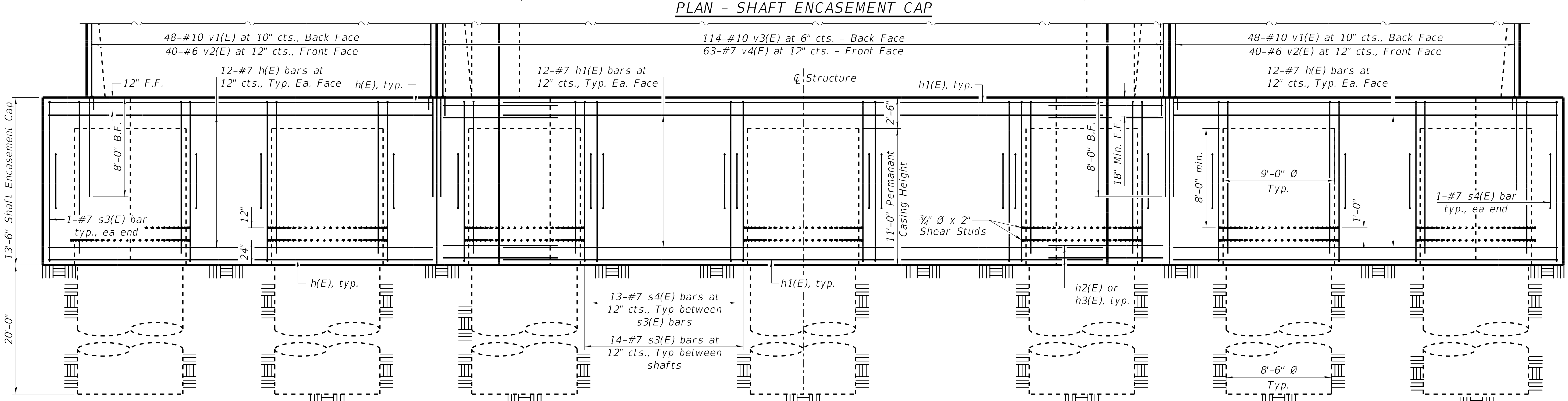
Permanent Casing shall be hot-dipped galvanized in accordance with AASHTO M232 with studs installed.

See Special Provisions for h4 bars and Stainless Steel Cracker Plate.

See Structural Sheet 19 of 47 for Sections B-B, C-C and D-D and Stainless Steel Cracker Plate Detail.



PLAN - SHAFT ENCASEMENT CAP



ELEVATION - SHAFT ENCASEMENT CAP

(Looking West)

(Sheet 2 of 5)

REVISION	DATE	BY	REMARKS

DESIGNED	SM
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

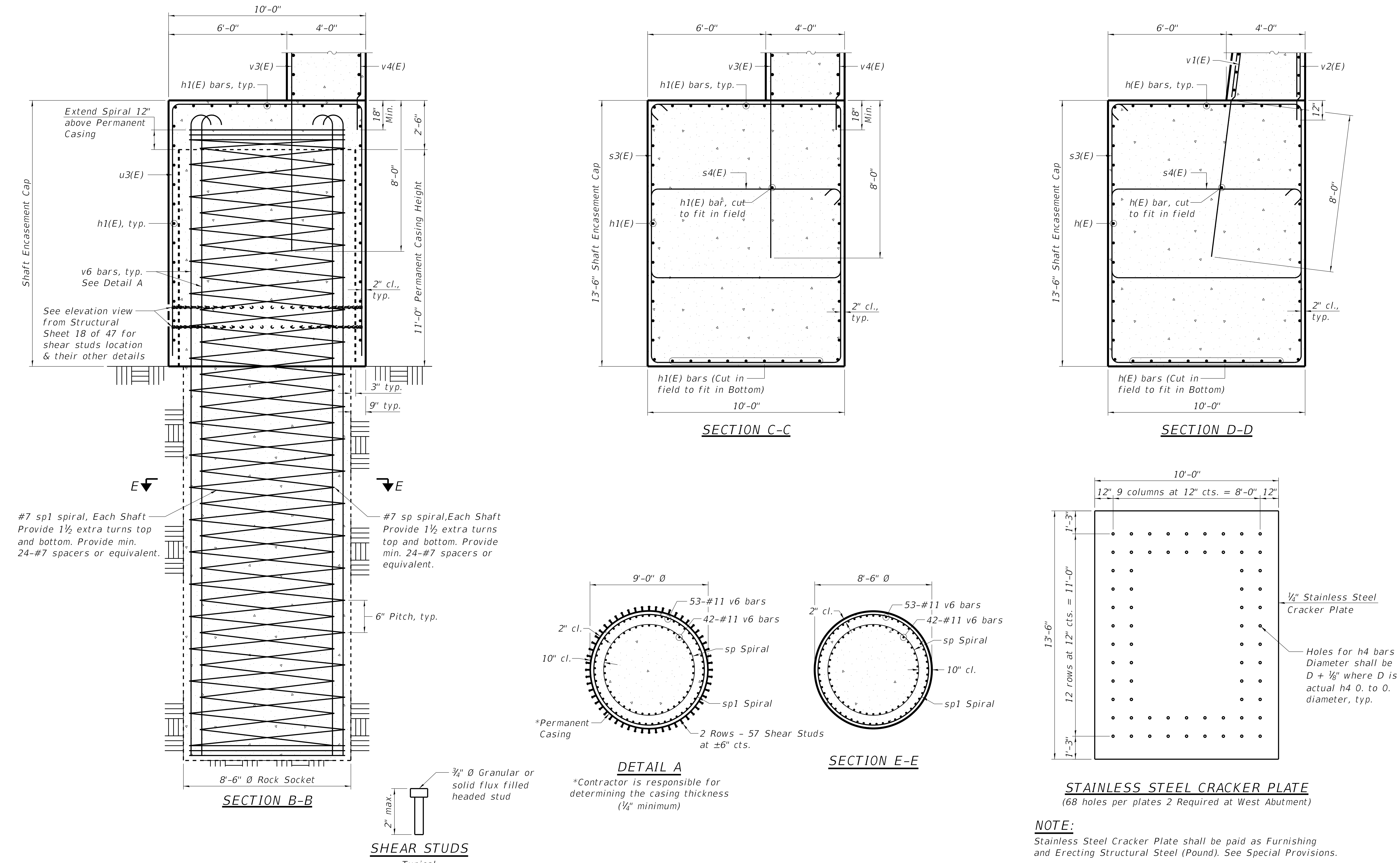
LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM #184-000918

WEST ABUTMENT DETAILS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 18 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	40
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT	2MQY(061)	



NOTE:
Stainless Steel Cracker Plate shall be paid as Furnishing and Erecting Structural Steel (Pound). See Special Provisions.

(Sheet 3 of 5)

REVISION	DATE	BY	REMARKS

DESIGNED SM
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
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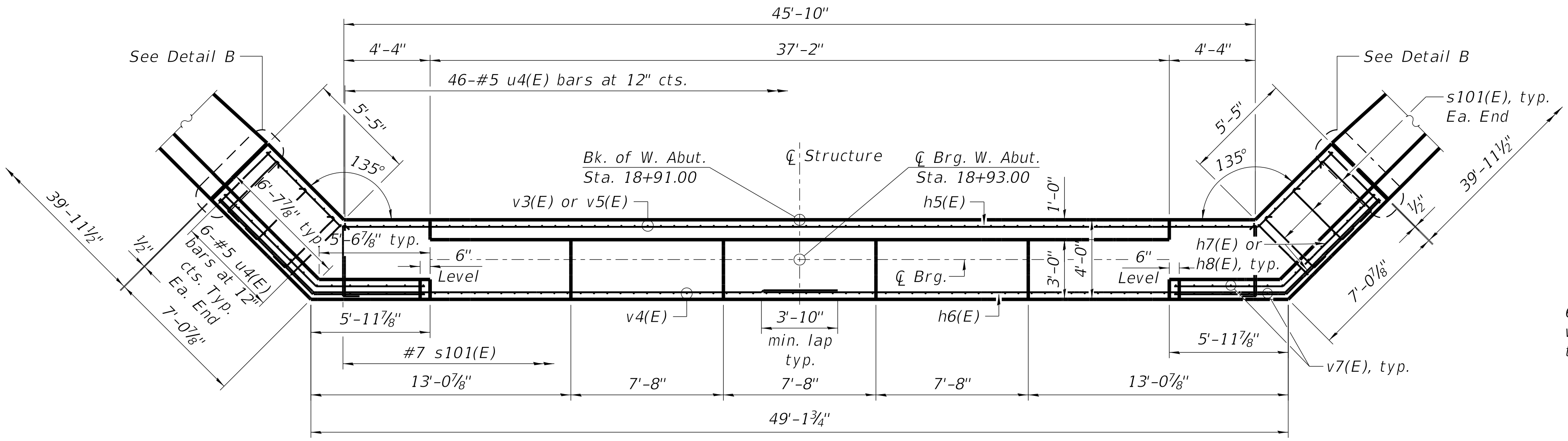
T: 815-284-3381 DESIGN FIRM: #184-000918

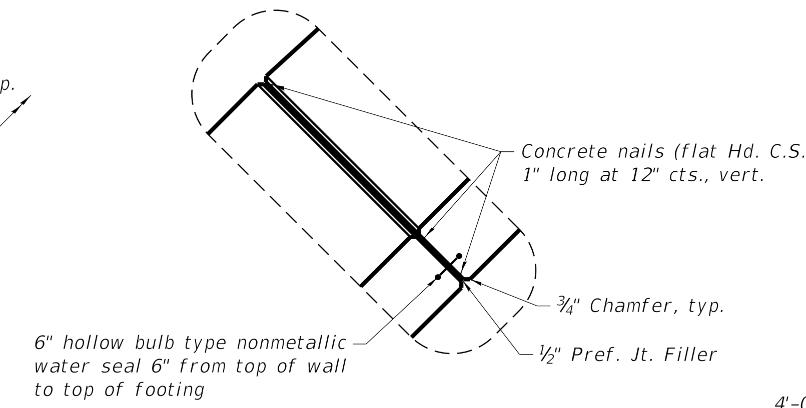
WEST ABUTMENT DETAILS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 19 OF 47 SHEETS

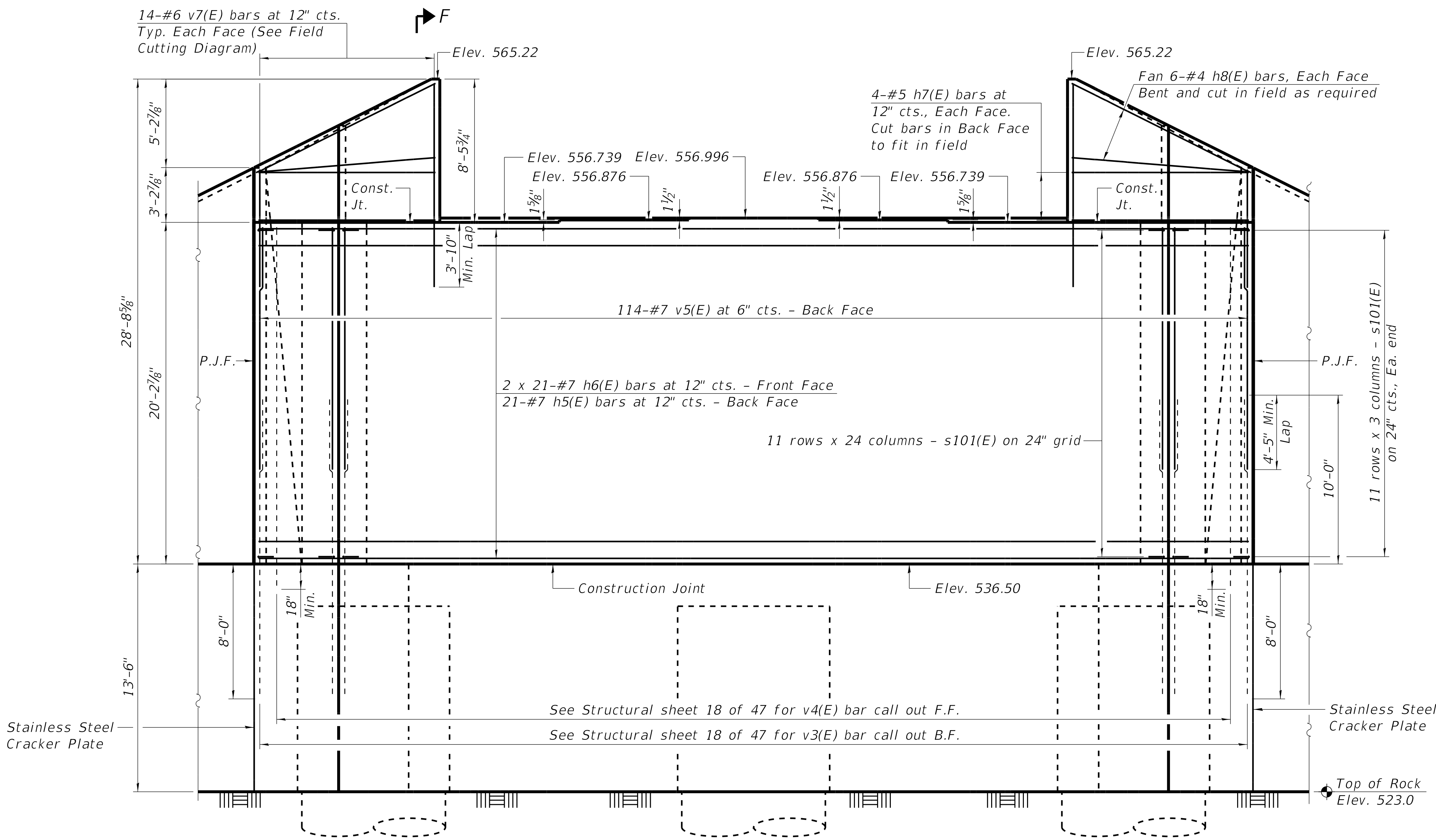
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	41
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		



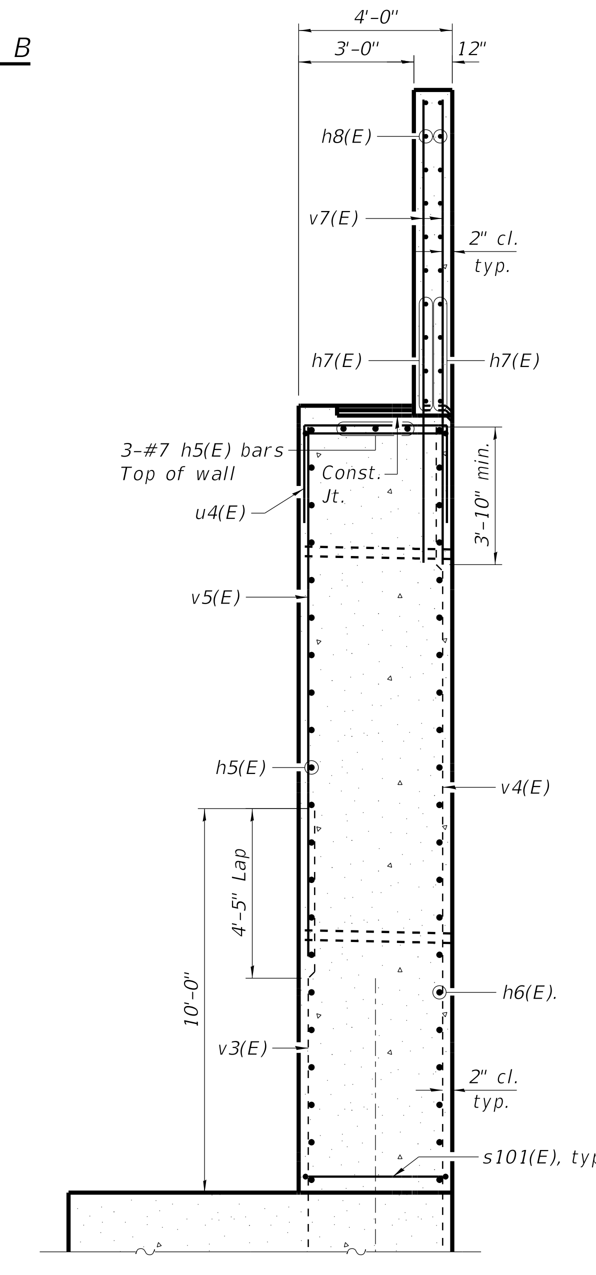
PLAN



DETAIL B



ELEVATION
(Looking West)



SECTION F-F

(Sheet 4 of 5)

REVISION	DATE	BY	REMARKS

DESIGNED	SM
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

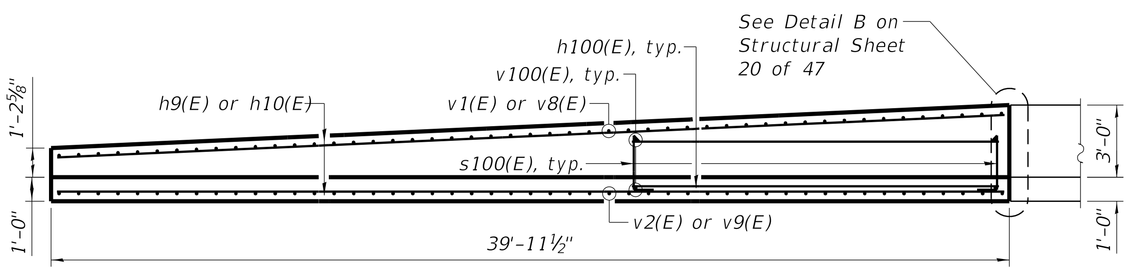
LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

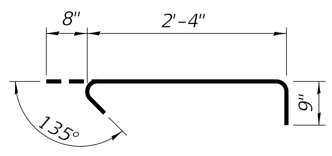
WEST ABUTMENT DETAILS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 20 OF 47 SHEETS

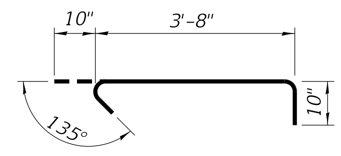
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	42
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)



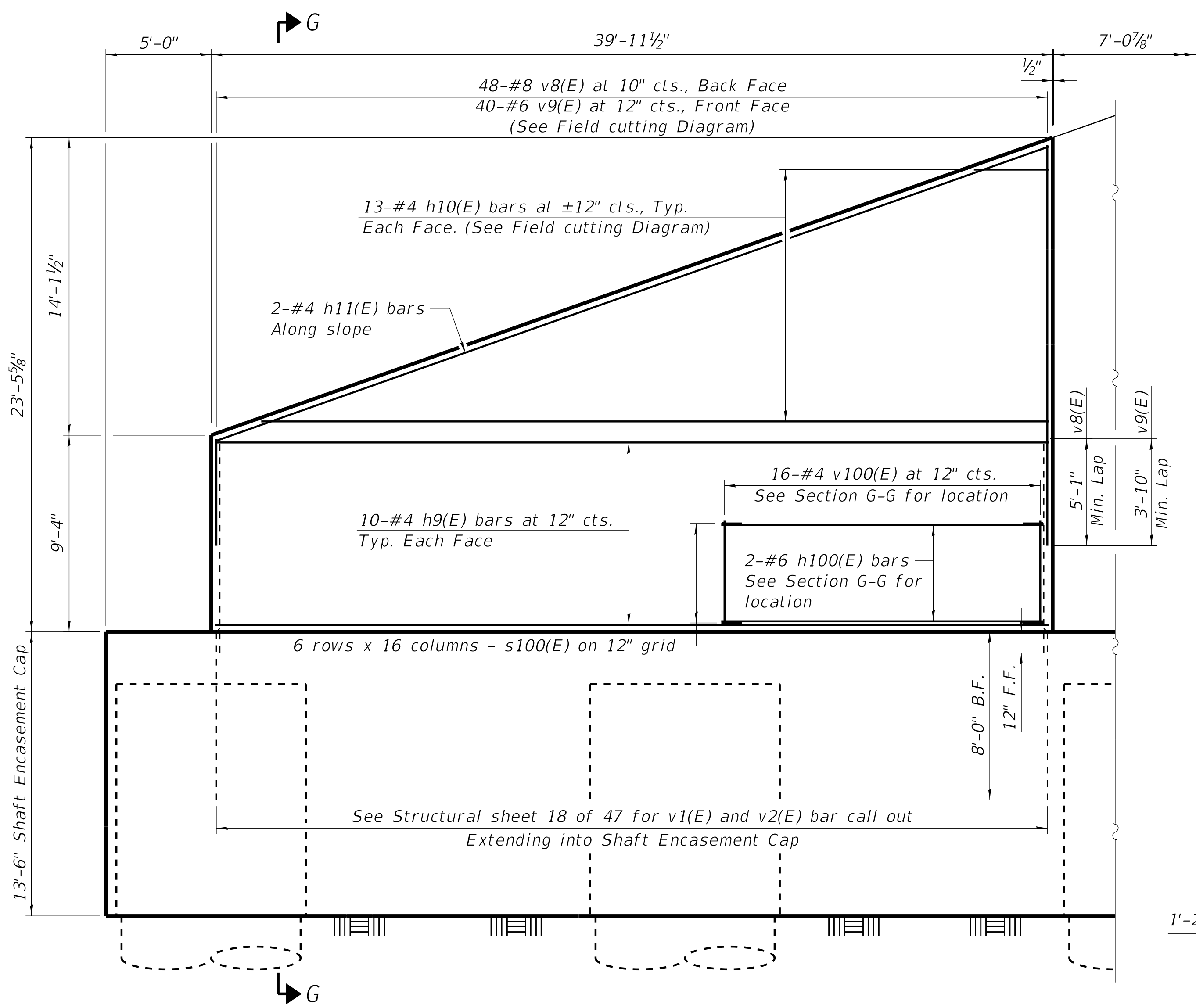
WINGWALL PLAN
(Shaft Encasement Cap not shown for clarity)



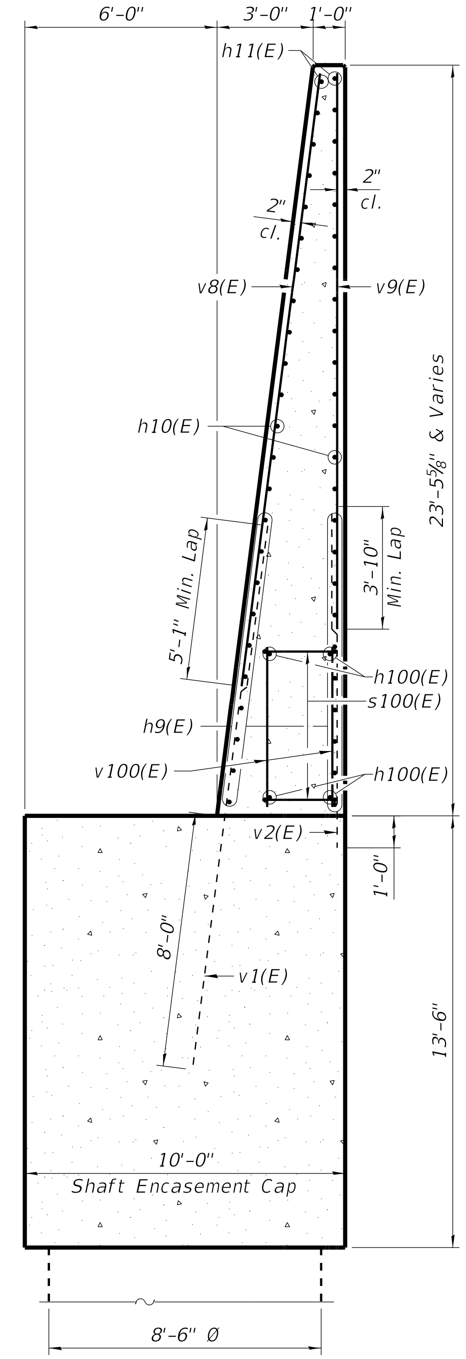
BAR s100(E)



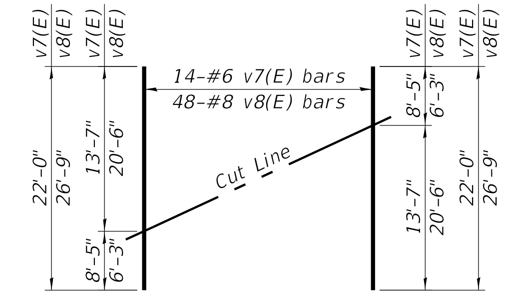
BAR s101(E)



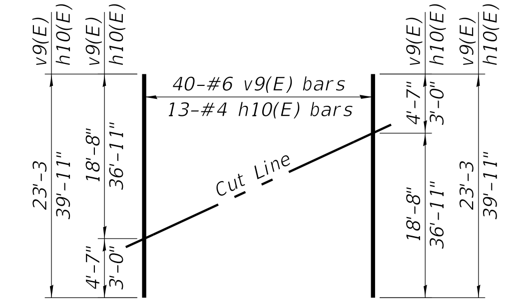
WINGWALL ELEVATION
(Typical Each Wing)



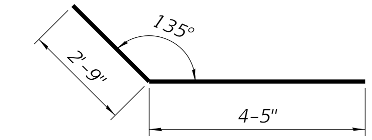
SECTION G-G
(Permanent Encasement and Shaft reinforcement not shown for clarity)



FIELD CUTTING DIAGRAM
Order v7(E) & v8(E) full length. Cut as shown and use remainder of bars in opposite face.



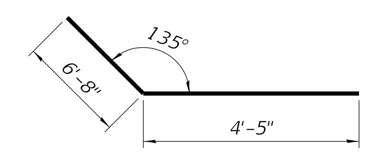
FIELD CUTTING DIAGRAM
Order v9(E) & h10(E) full length. Cut as shown and use remainder of bars in opposite face.



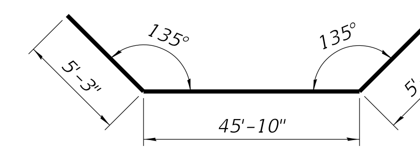
BAR h2(E)

BILL OF MATERIAL

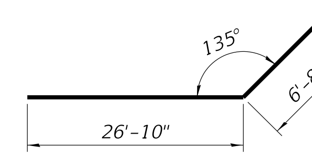
	Bar	No.	Size	Length	Shape
	h(E)	94	#7	44'-8"	
	h1(E)	47	#7	49'-0"	
	h2(E)	28	#7	7'-2"	
	h3(E)	46	#7	11'-1"	
**	h4	136	#7	2'-0"	
	h5(E)	24	#7	56'-4"	
	h6(E)	42	#7	33'-6"	
	h7(E)	16	#5	12'-8"	
	h8(E)	24	#4	13'-7"	
	h9(E)	40	#4	39'-8"	
	h10(E)	26	#4	39'-11"	
	h11(E)	4	#4	42'-0"	
	h100(E)	2	#6	15'-0"	
	s3(E)	88	#7	47'-4"	
	s4(E)	82	#7	30'-0"	
	s100(E)	192	#6	3'-9"	
	s101(E)	330	#7	5'-4"	
	sp	7	#7	32'-0"	
	sp1	7	#7	32'-0"	
	v1(E)	96	#10	17'-2"	
	v2(E)	80	#6	10'-8"	
	v3(E)	114	#10	18'-0"	
	v4(E)	63	#7	22'-6"	
	v5(E)	114	#7	15'-5"	
	v6	665	#11	33'-7"	
	v7(E)	28	#6	22'-0"	
	v8(E)	48	#8	26'-9"	
	v9(E)	40	#6	23'-3"	
	v100(E)	32	#4	5'-0"	
	u3(E)	71	#7	36'-0"	
	u4(E)	58	#5	8'-8"	
	Rock Excavation			Cu. Yd.	682
	Structure Excavation			Cu. Yd.	1,099
	Concrete Structures			Cu. Yd.	838.7
	Shear Stud Connectors			Each	798
	Hardware			Pound	2,760
	Reinforcement Bars			Pound	119,570
	Reinforcement Bars, Epoxy Coated			Pound	76,290
	Permanent Casing			Foot	77
	Drilled Shaft in Soil			Cu. Yd.	181.4
	Drilled Shaft in Rock			Cu. Yd.	294.3
	Granular Backfill for Structures			Cu. Yd.	2,262
	Geocomposite Wall Drains			Sq. Yd.	318
	Controlled Low-Strength Material			Cu. Yd.	170.2
	Stainless Steel Reinforcement			Pound	560



BAR h3(E)



BAR h5(E)



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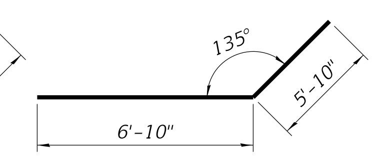
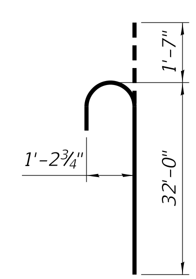
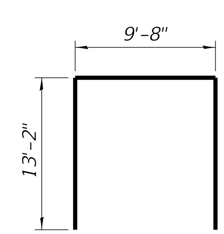


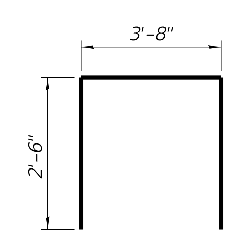
BAR h7(E)



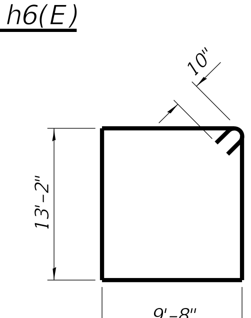
BAR v6(E)



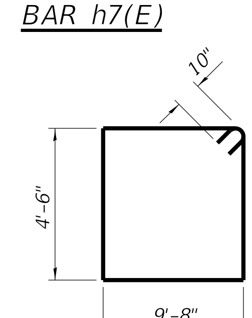
BAR u3(E)



BAR u4(E)



BAR s3(E)



BAR s4(E)

(Sheet 5 of 5)

NOTES:

All exposed edges shall have standard ¾" chamfers, except as noted.

Minimum lap for spirals = 4'-5"

*Length is height of spiral.

**h4 bar shall be Chromx 9100 or approved equal and shall be paid for as Stainless Steel Reinforcement (See Special Provisions)

REVISION	DATE	BY	REMARKS

DESIGNED SM
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

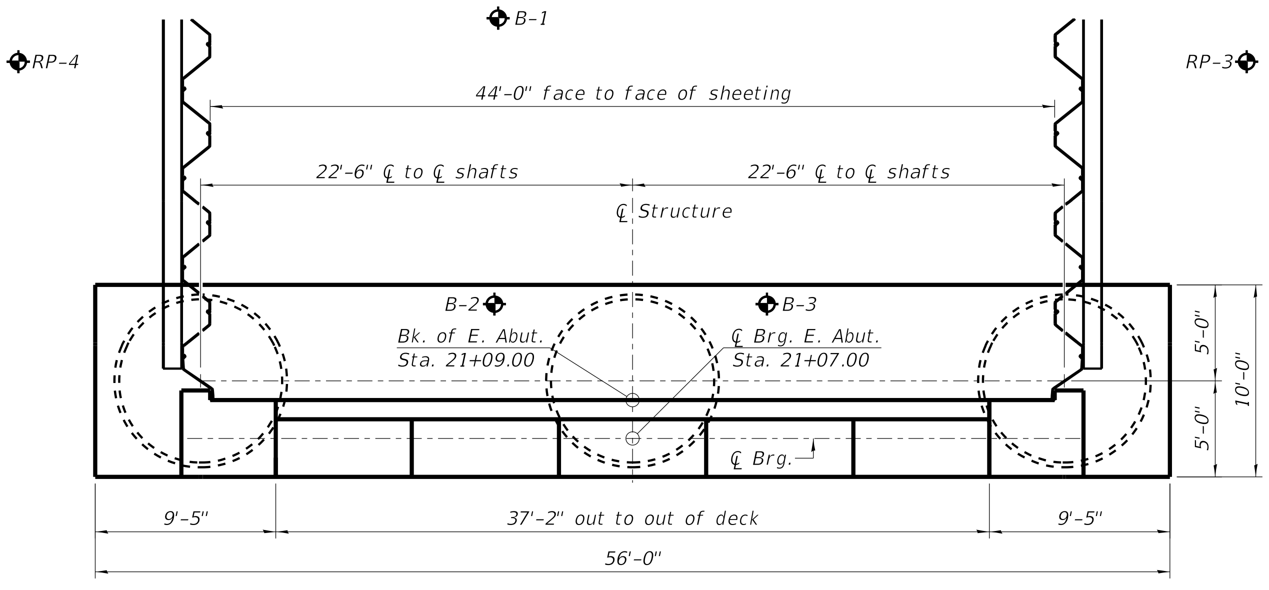
WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

WEST ABUTMENT DETAILS
STRUCTURE NO. 050-3601

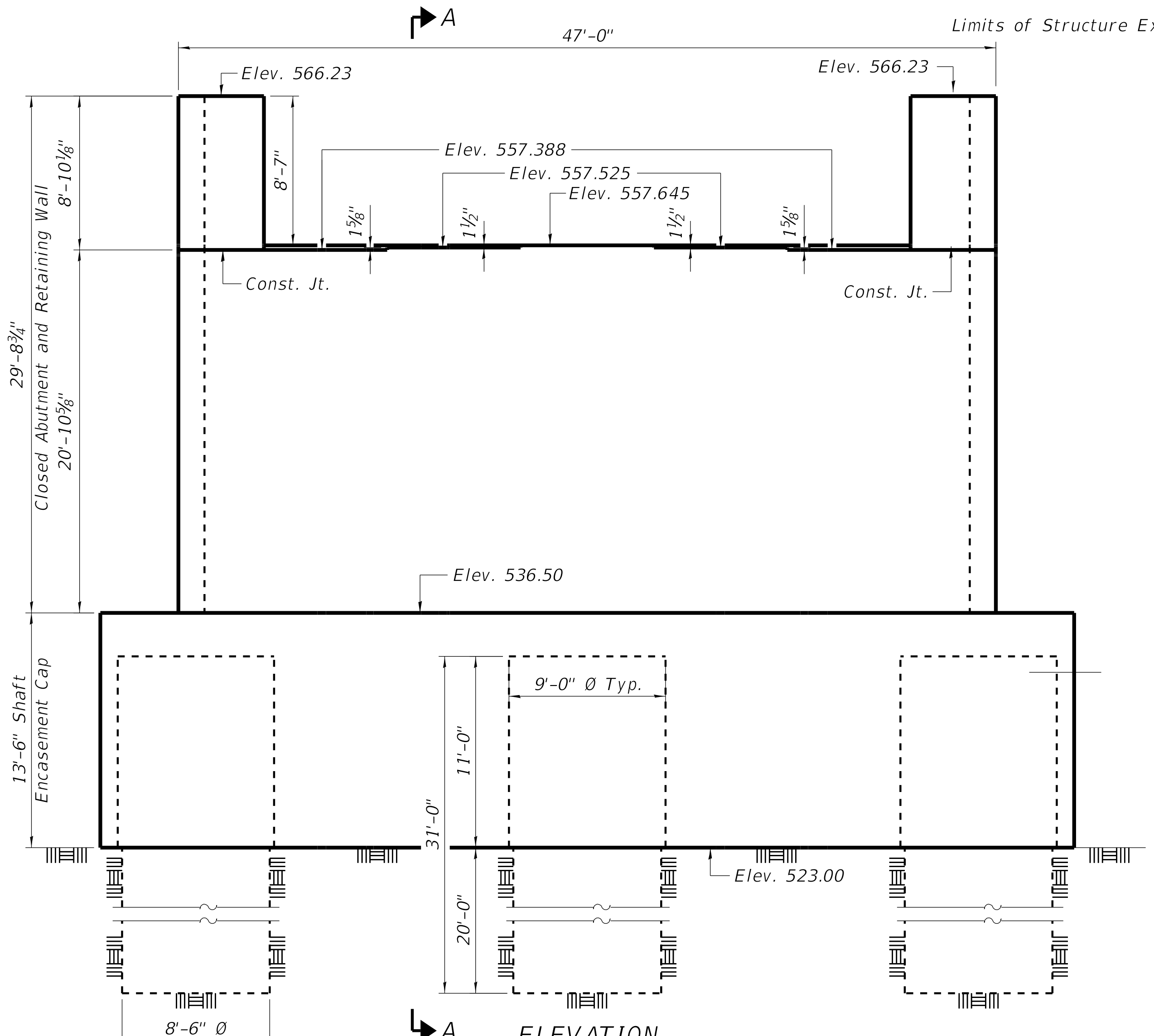
STRUCTURAL SHEET NO. 21 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	43
	WHA# 1160D14	CONTRACT NO. 87692		

ILLINOIS FED. AID PROJECT 2MQY(061)



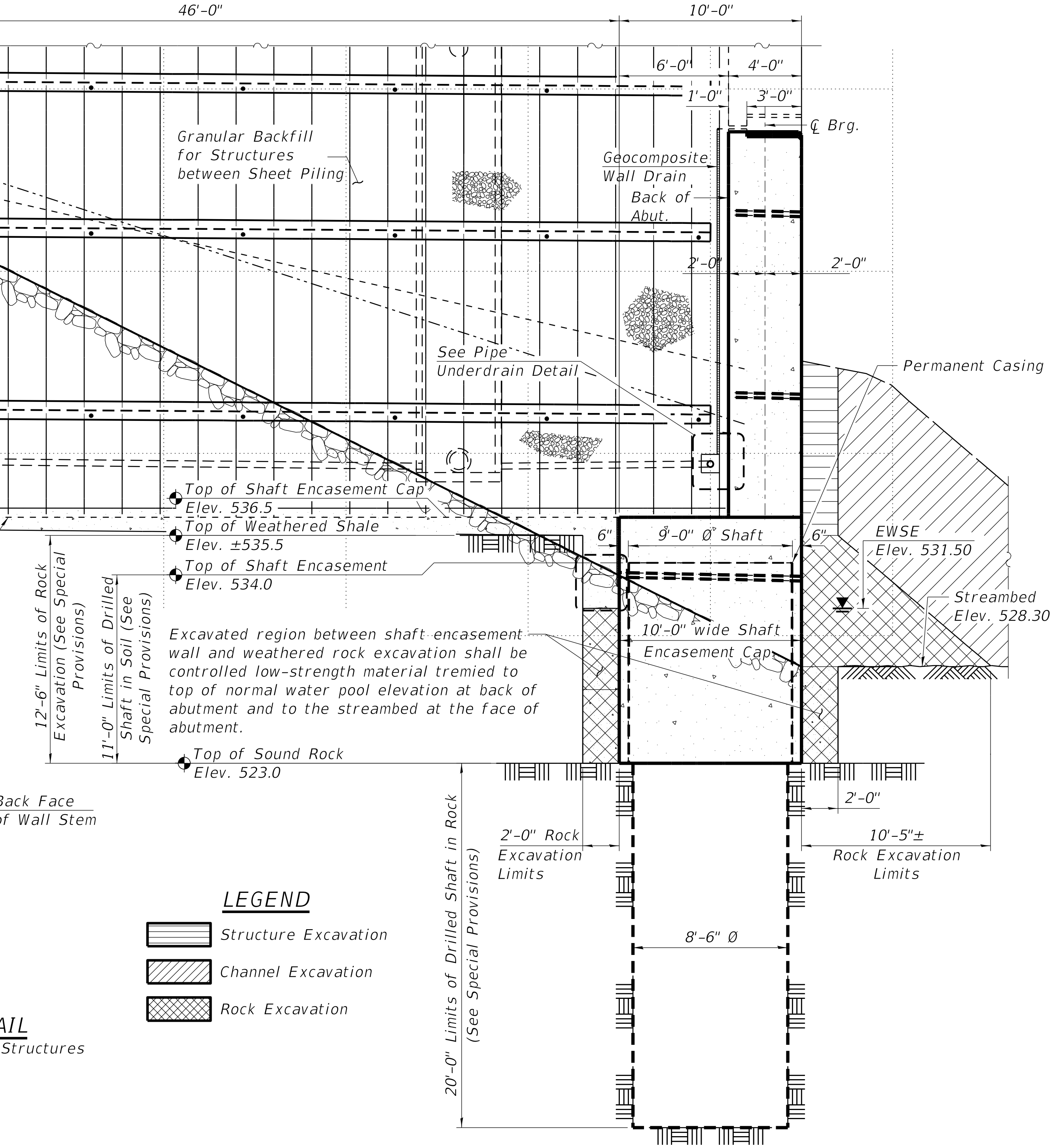
PLAN



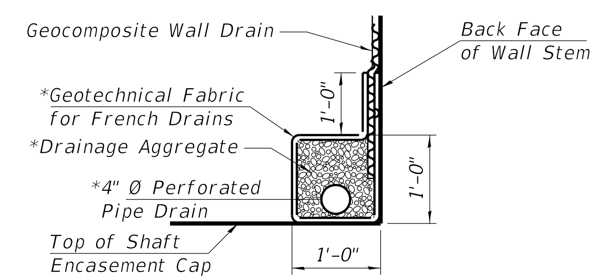
ELEVATION

(Looking East)

***See Special Provisions for construction sequence of Shaft Encasement Cap.



SECTION A-A

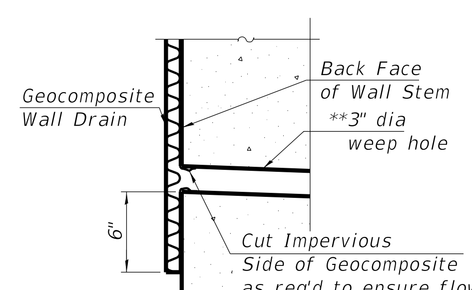


PIPE UNDERDRAIN DETAIL

*Included in the cost of Underdrains for Structures

LEGEND

- Structure Excavation
- Channel Excavation
- Rock Excavation



WEEP HOLE DRAIN DETAIL

**Weep hole spacing shall be at 8'-0"± horizontally.

ROCK ELEVATION TABLE

Boring/Probe	Offset	Elev.
B-1	7' Lt.	543.34
B-2	7.2' Lt.	535.77
B-3	7' Rt.	535.58
RP-3	32' Rt.	546.10
RP-4	32' Lt.	552.40

(See GPE Structural sheet 1 of 47 for Boring location)

(Sheet 1 of 5)

REVISION	DATE	BY	REMARKS

DESIGNED SM
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

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ENGINEERING ARCHITECTURE LAND SURVEYING
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T: 815-284-3381 DESIGN FIRM: #184-000918

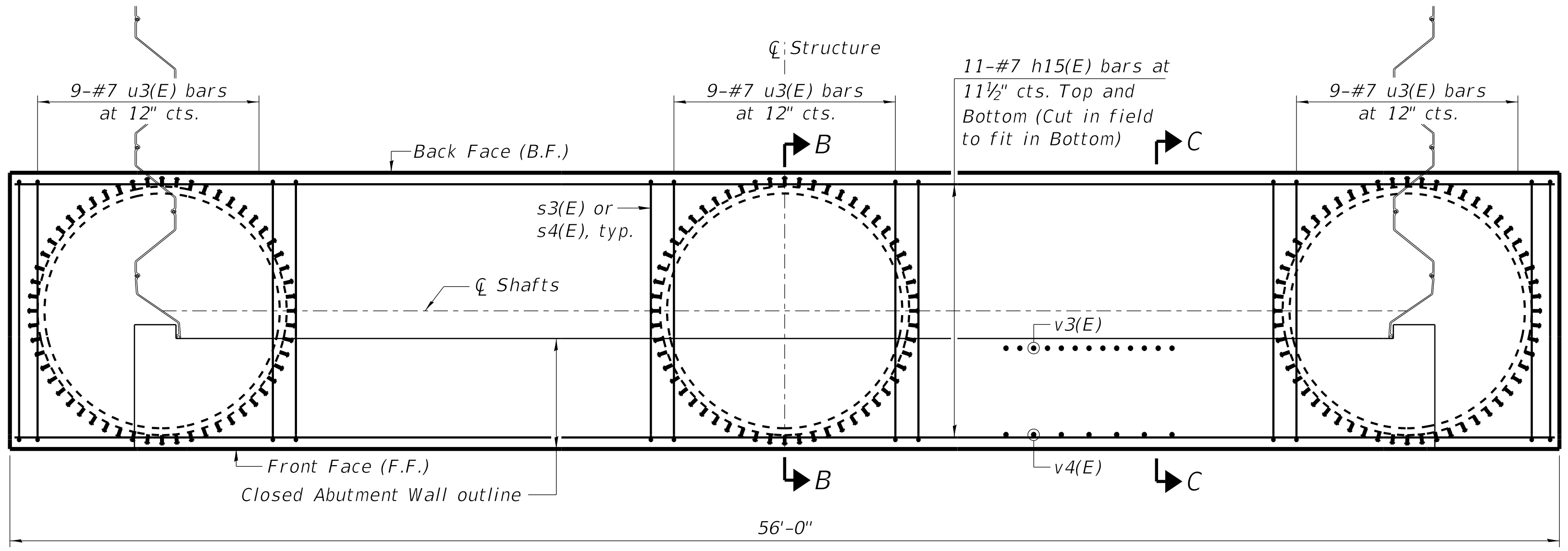
EAST ABUTMENT DETAILS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 22 OF 47 SHEETS

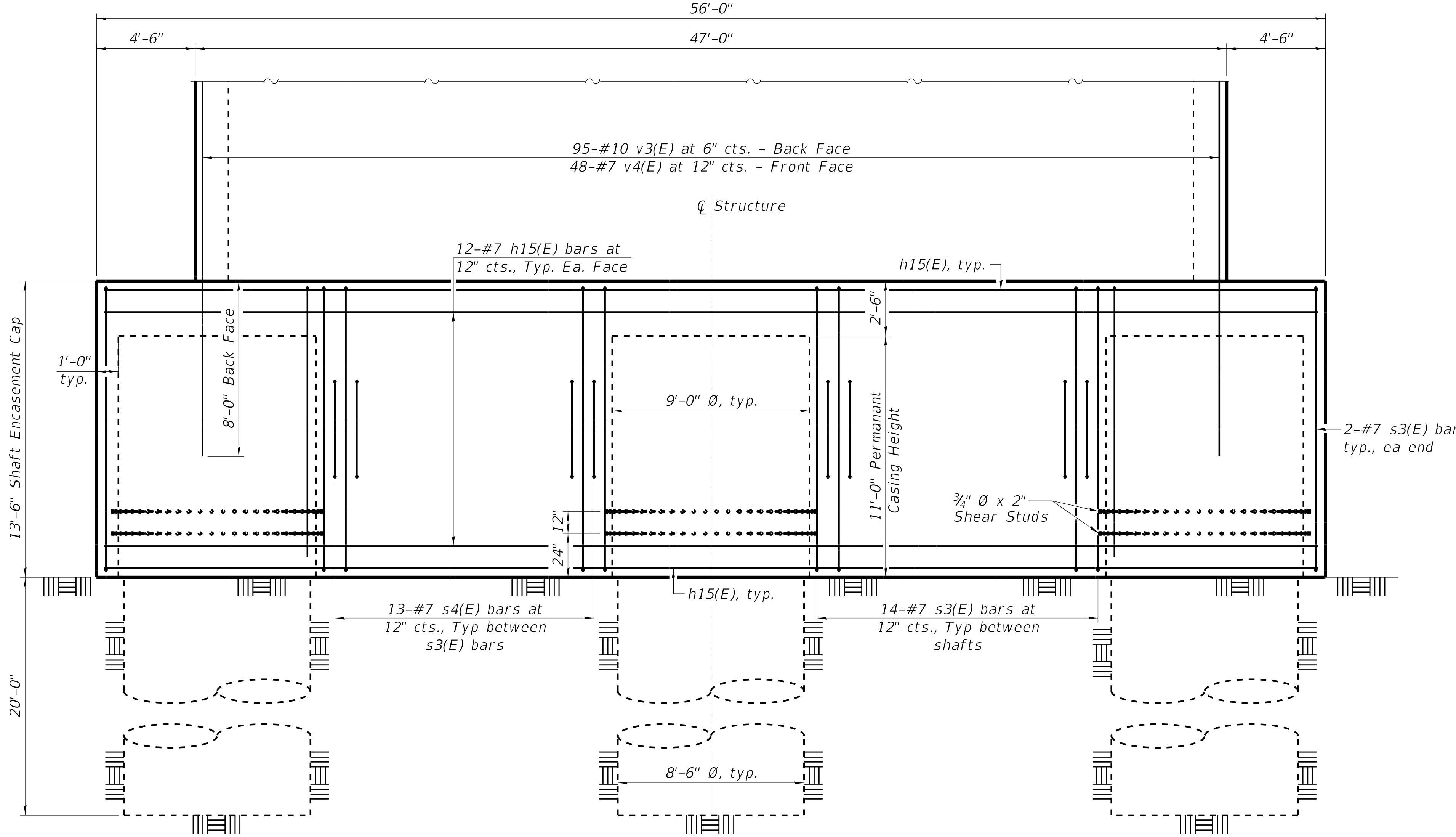
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	44

WHA# 1160D14 CONTRACT NO. 87692

ILLINOIS FED. AID PROJECT 2MQY(061)



PLAN - SHAFT ENCASEMENT CAP



ELEVATION - SHAFT ENCASEMENT CAP

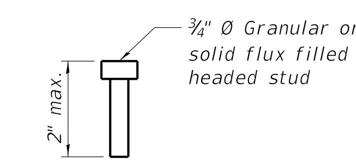
(Looking East)

NOTES:

Prior to Drilled Shaft installation, Contractor shall excavate weathered rock down to Elevation 523.0 (See Special Provisions).

Permanent Casing shall be hot-dipped galvanized in accordance with AASHTO M232 with studs installed.

See Structural Sheet 24 of 47 for Sections B-B and C-C.



SHEAR STUDS

Typical

(Sheet 2 of 5)

REVISION	DATE	BY	REMARKS

DESIGNED	SM
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

EAST ABUTMENT DETAILS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 23 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	45
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT	2MQY(061)	

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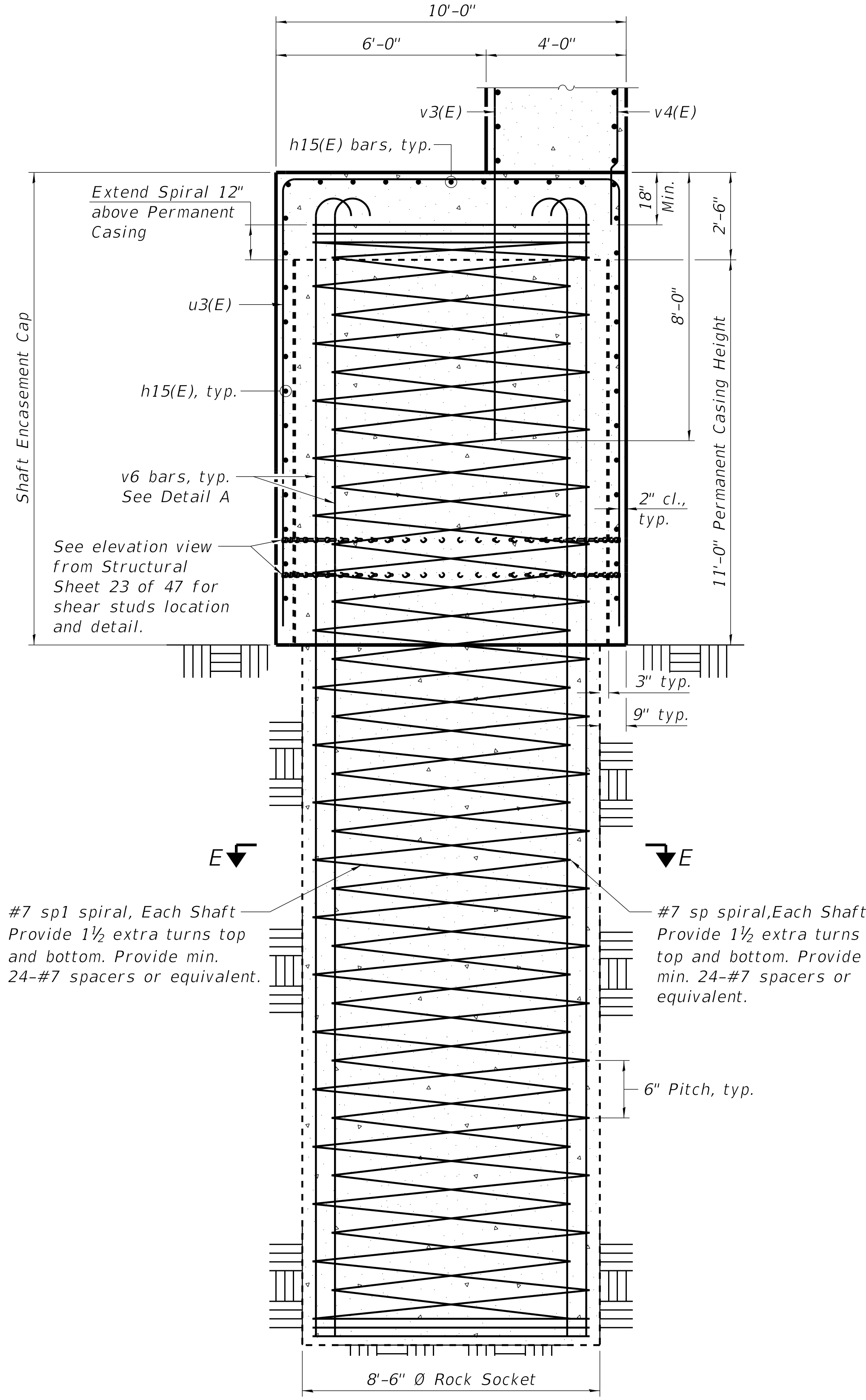
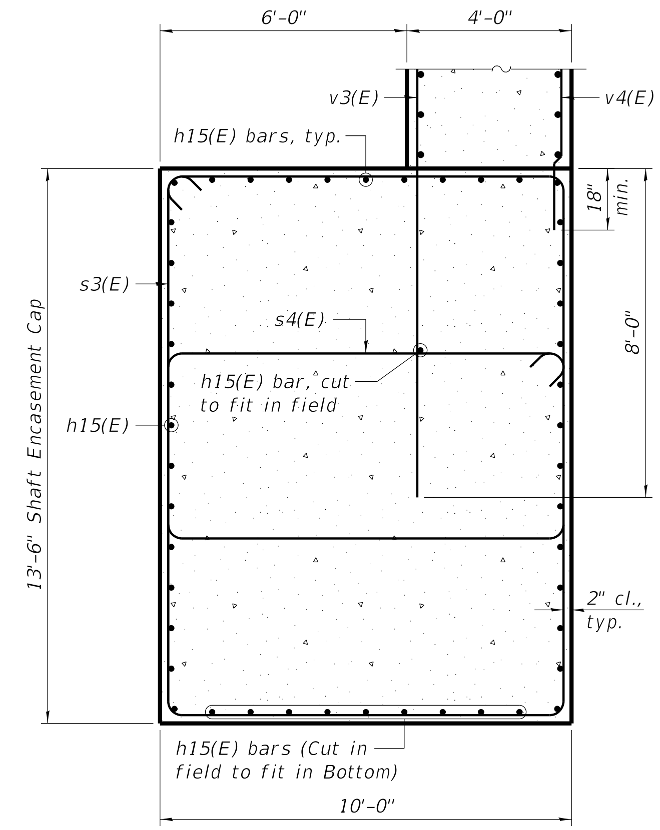
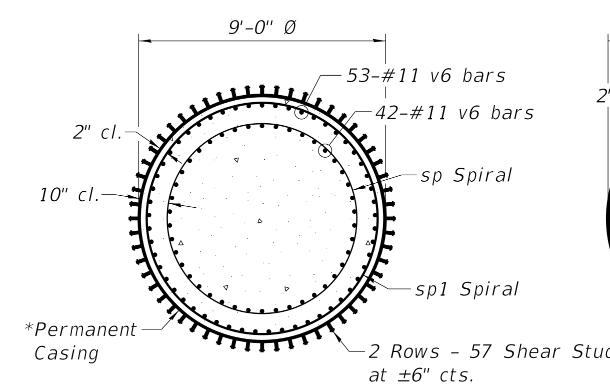


SECTION B-B

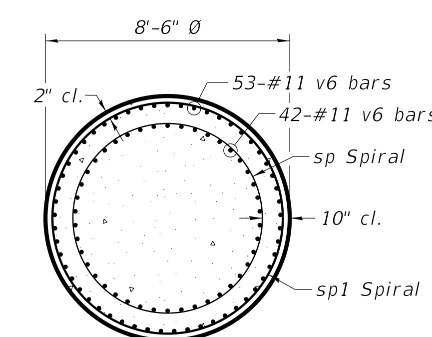


SECTION C-C



DETAIL A

*Contractor is responsible for
determining the casing thickness
(¼" minimum)



SECTION E-E

(Sheet 3 of 5)

REVISION	DATE	BY	REMARKS

DESIGNED	SM
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

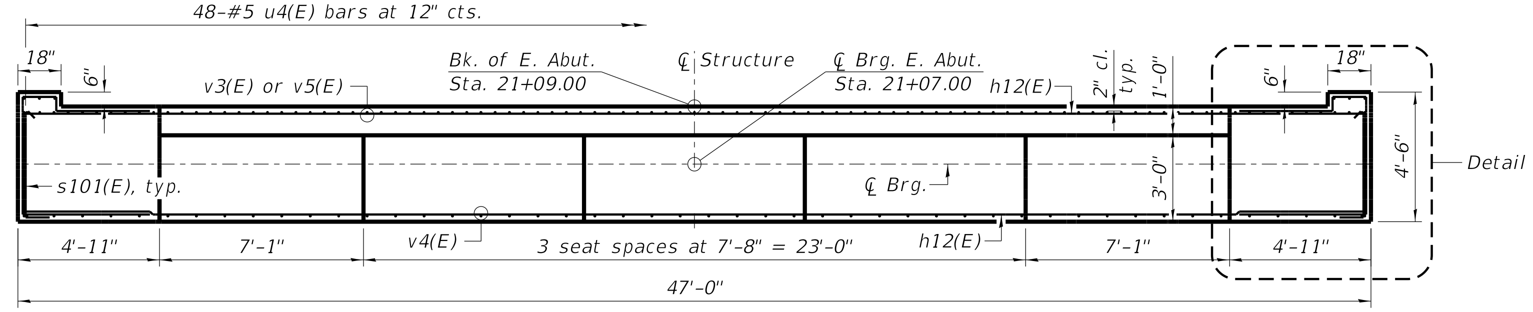
LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

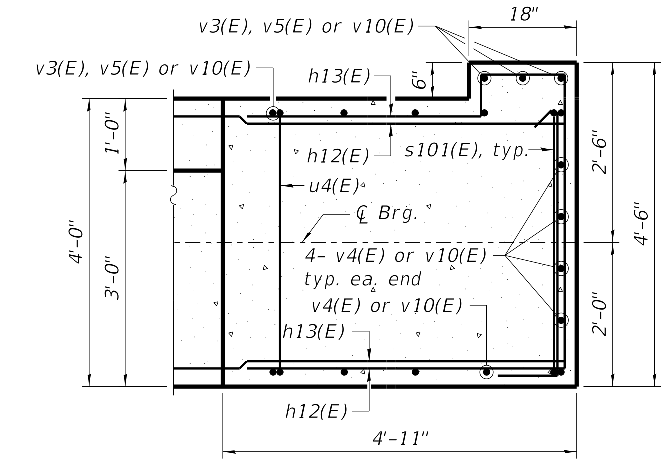
EAST ABUTMENT DETAILS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 24 OF 47 SHEETS

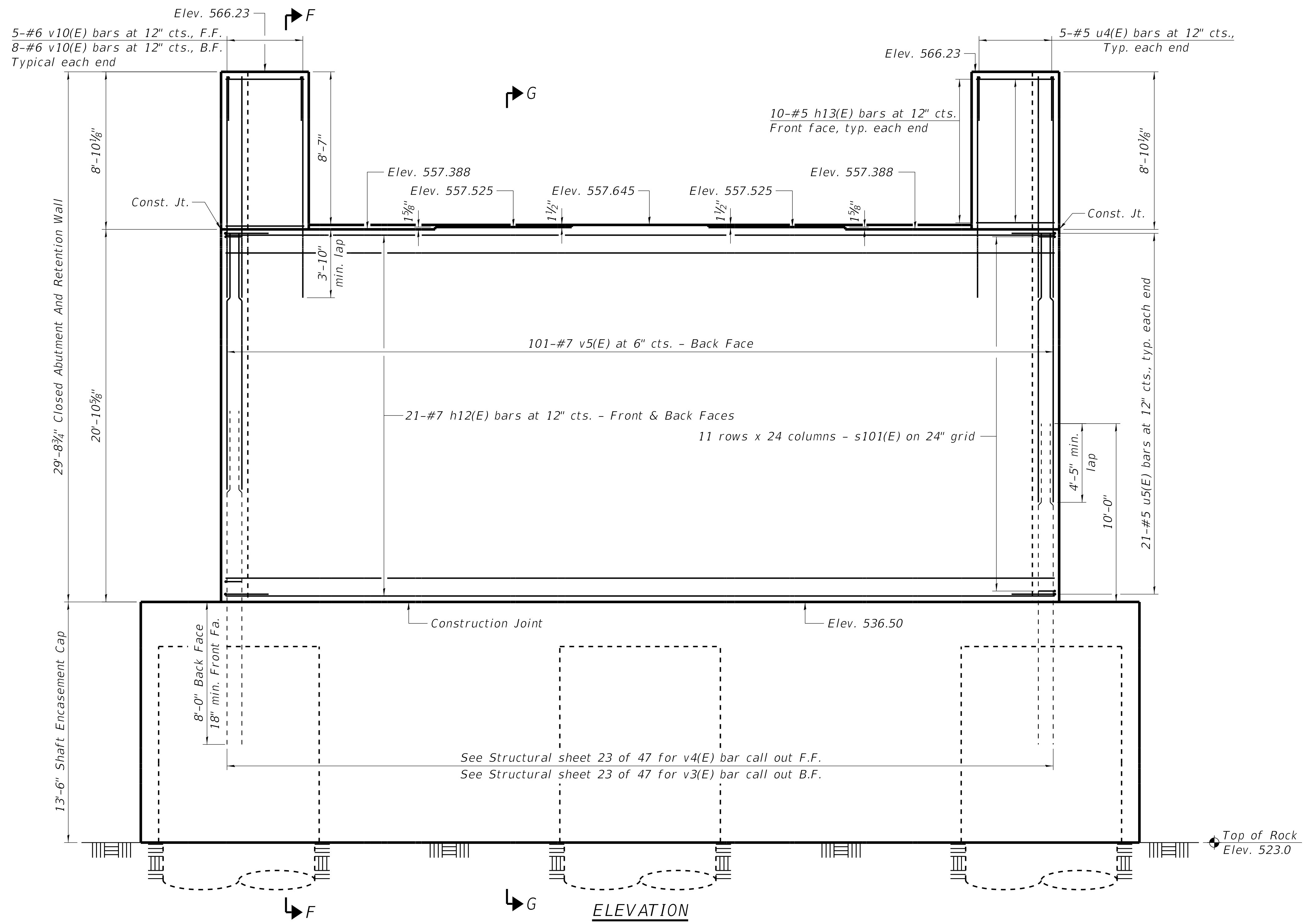
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	46
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		



PLAN



DETAIL B



ELEVATION
(Looking East)

NOTE:
For Sections F-F and G-G details, See Structural Sheet 26 of 47.

(Sheet 4 of 5)

REVISION	DATE	BY	REMARKS

DESIGNED SM
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

EAST ABUTMENT DETAILS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 25 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	47
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS FED. AID PROJECT 2MQY(061)			

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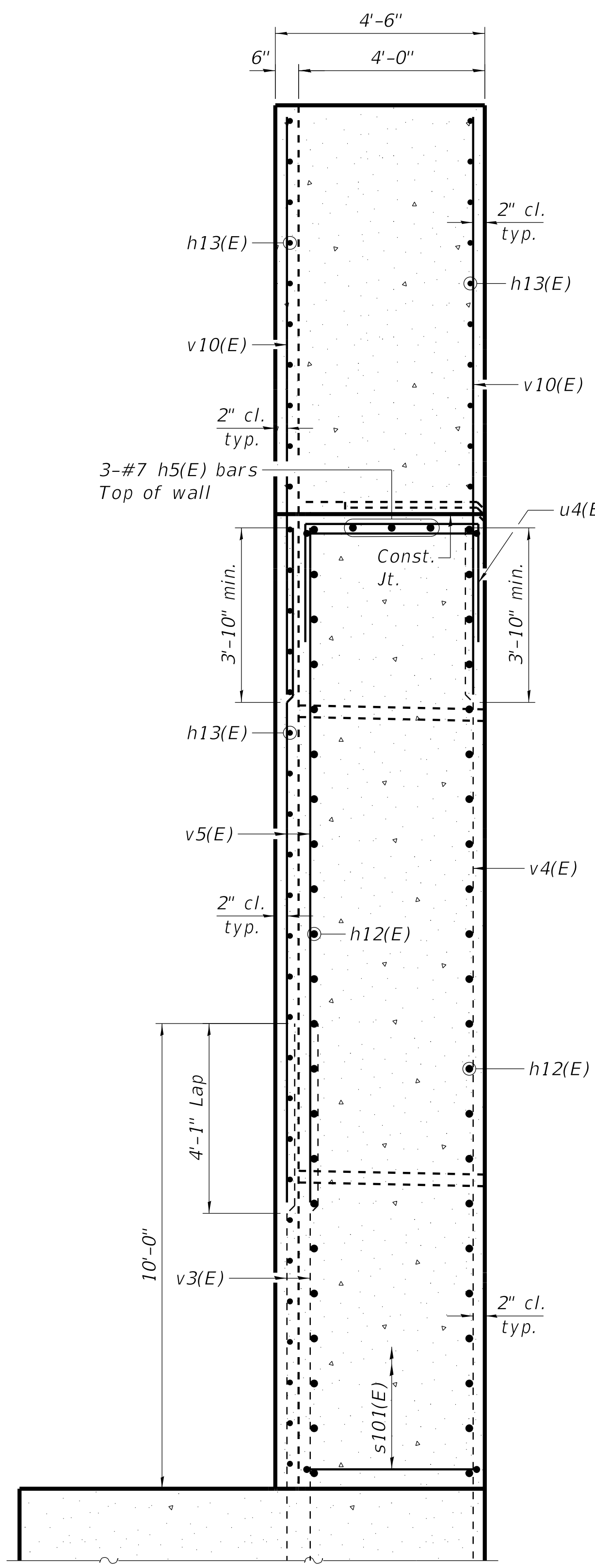
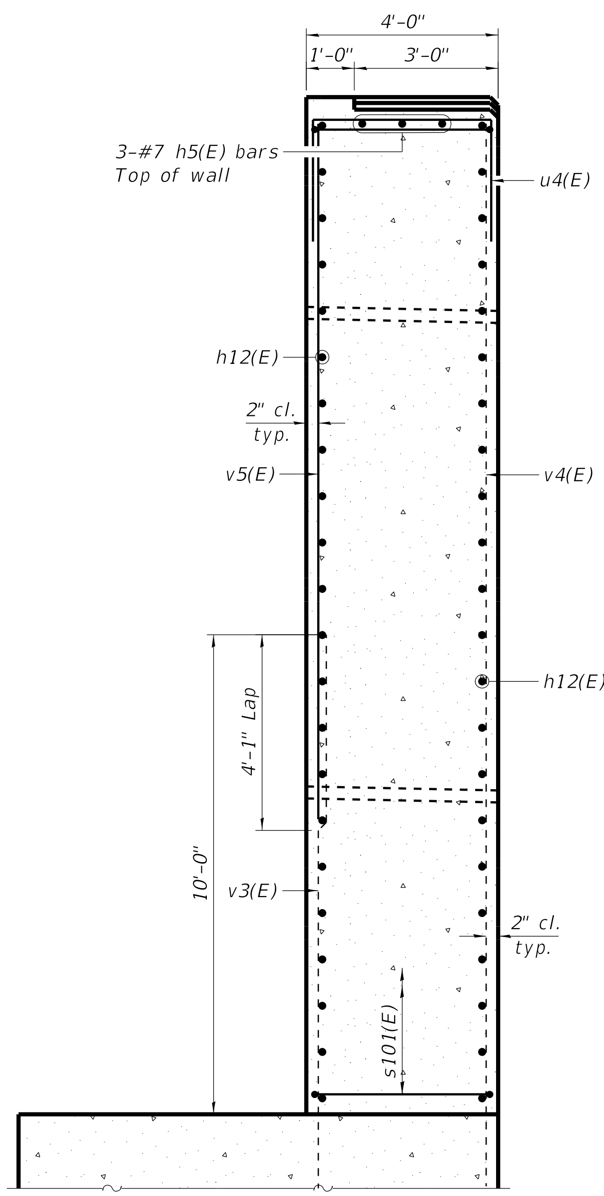
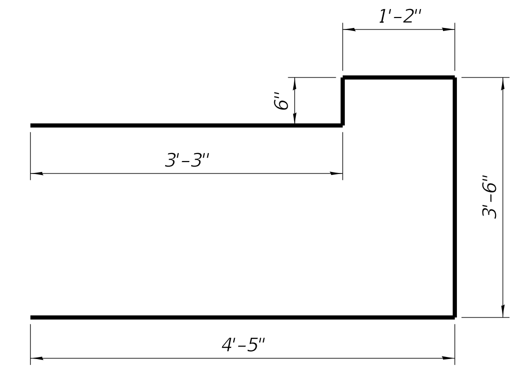


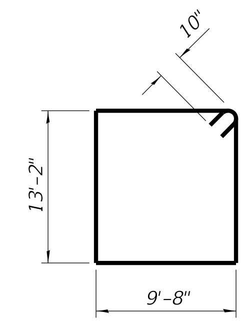
SECTION F-F



SECTION G-G



BAR h13(E)



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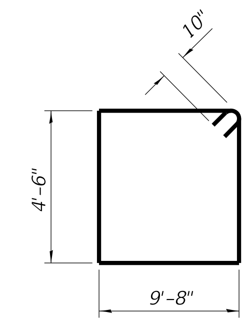

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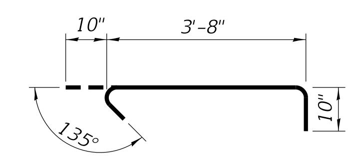
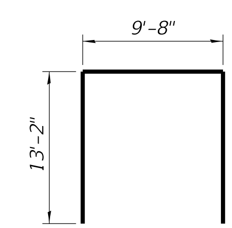
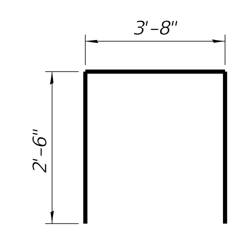


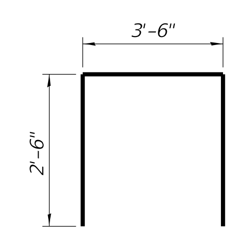
BAR s101(E)



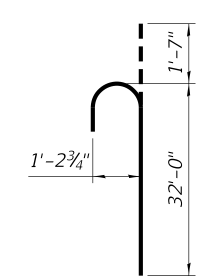
BAR u3(E)



BAR u4(E)



BAR u5(E)



BAR v6

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h12(E)	45	#7	46'-8"	
h13(E)	20	#5	12'-10"	
h15(E)	47	#7	55'-9"	
s3(E)	32	#7	47'-4"	
s4(E)	26	#7	30'-0"	
s101(E)	246	#7	5'-4"	
sp	3	#7	32'-0"	
sp1	3	#7	32'-0"	
v3(E)	101	#10	18'-0"	
v4(E)	56	#7	22'-6"	
v5(E)	101	#7	15'-5"	
v6	285	#11	33'-7"	
v10(E)	34	#6	12'-6"	
u3(E)	27	#7	36'-0"	
u4(E)	58	#5	8'-8"	
u5(E)	42	#5	8'-6"	

Rock Excavation	Cu. Yd.	485
Structure Excavation	Cu. Yd.	2,400
Concrete Structures	Cu. Yd.	363.7
Stud Shear Connectors	Each	342
Reinforcement Bars	Pound	51,250
Reinforcement Bars, Epoxy Coated	Pound	34,590
Permanent Casing	Foot	33
Drilled Shaft in Soil	Cu. Yd.	77.8
Drilled Shaft in Rock	Cu. Yd.	126.1
Granular Backfill for Structures	Cu. Yd.	3,386
Geocomposite Wall Drains	Sq. Yd.	153
Controlled Low-Strength Material	Cu. Yd.	71

NOTES:

All exposed edges shall have standard ¾" chamfers, except as noted.

Minimum lap for spirals = 4'-5"

*Length is height of spiral.

REVISION	DATE	BY	REMARKS

DESIGNED SM
DRAWN FDL
REVIEWED BKC
APPROVED PLP

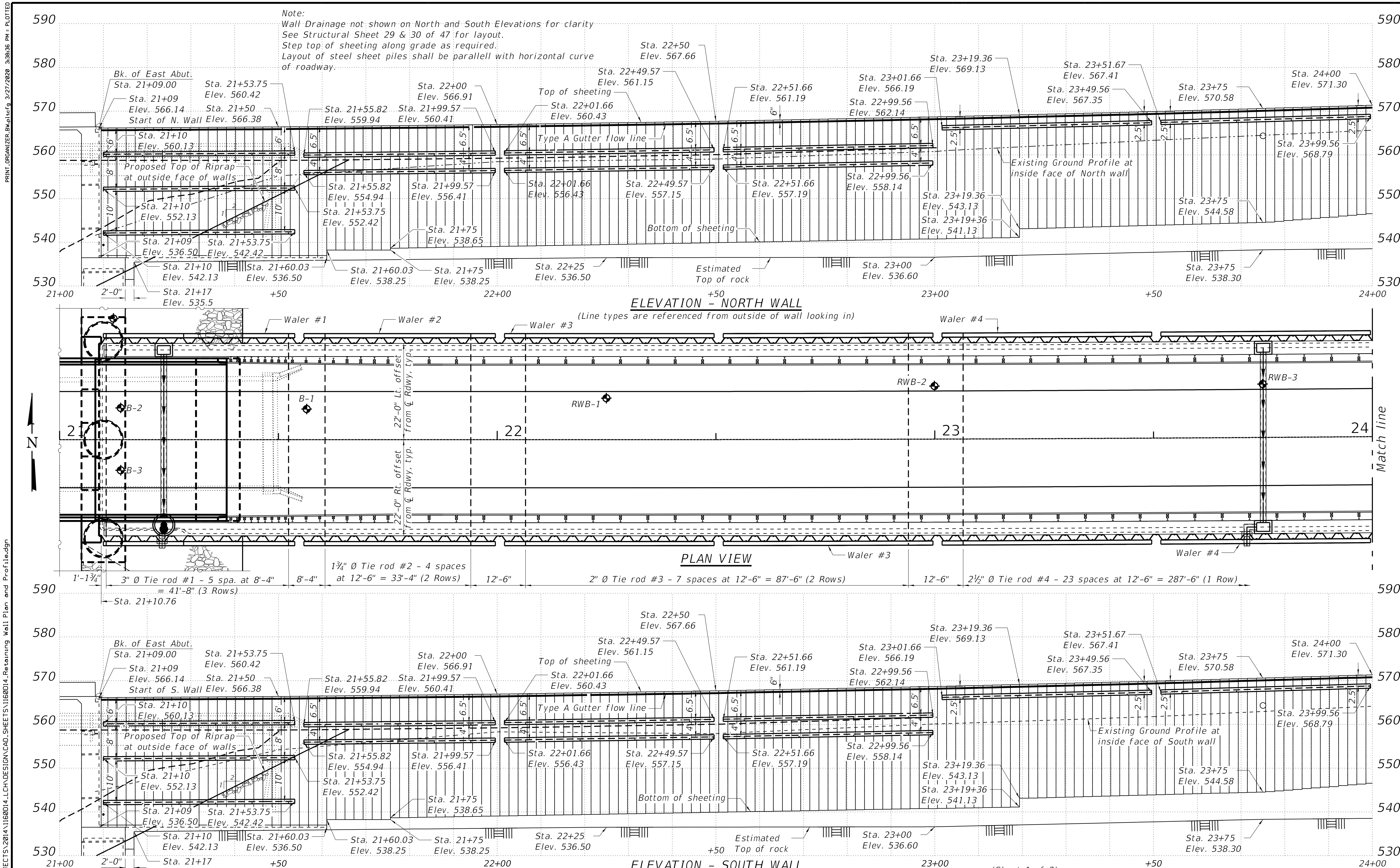
LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

EAST ABUTMENT DETAILS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 26 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	48
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		



REVISION	DATE	BY	REMARKS

DESIGNED	SM
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SOIL RETENTION SYSTEM PLAN AND PROFILE
STRUCTURE NO. 050-3601

SCALE: 1" = 10'-0" | STRUCTURAL SHEET NO. 27 OF 47 SHEETS | STA. 21+00.00 TO STA. 24+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	49
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		

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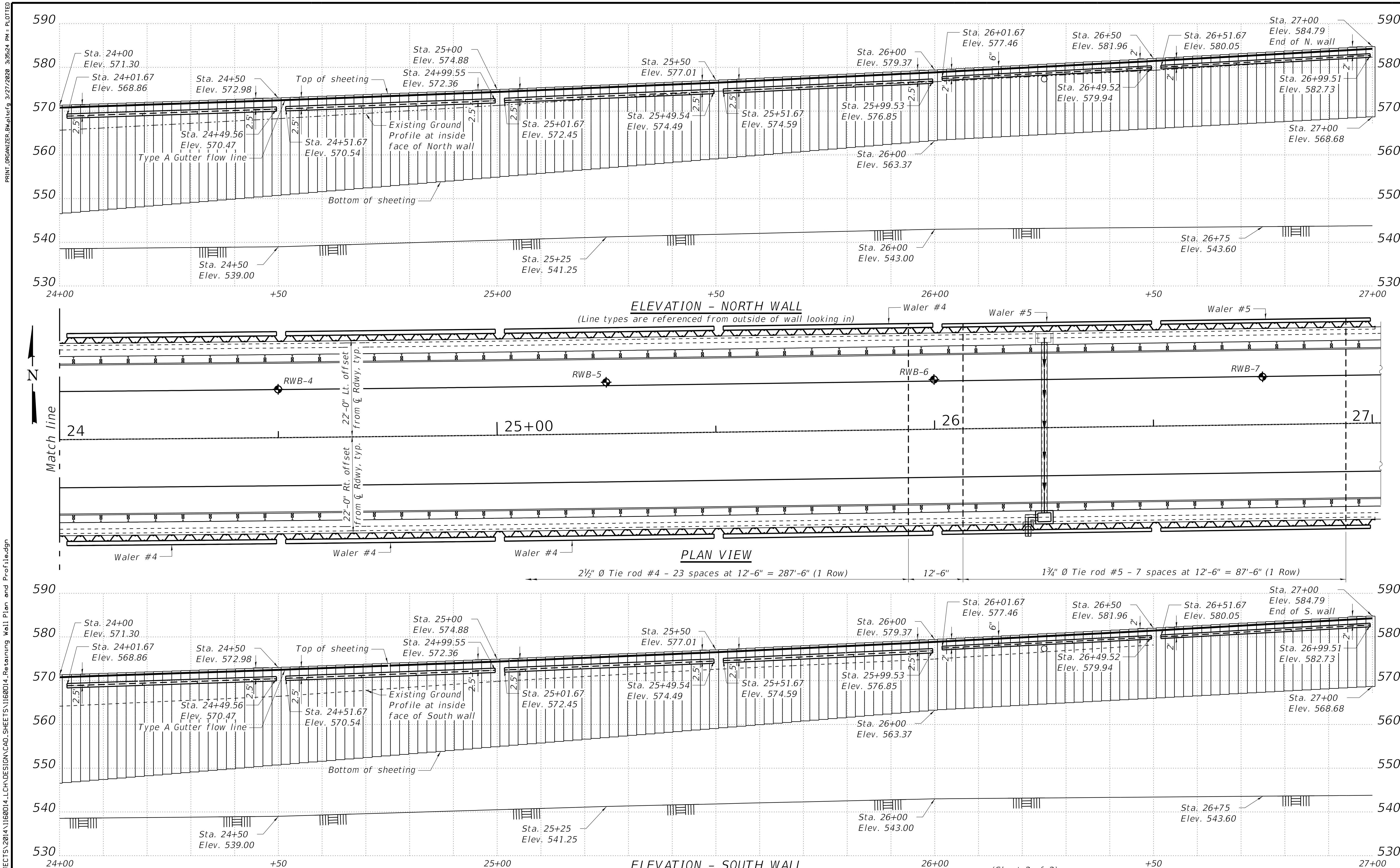

REVISION	DATE	BY	REMARKS

DESIGNED	SM
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SOIL RETENTION SYSTEM PLAN AND PROFILE
STRUCTURE NO. 050-3601

SCALE: 1" = 10'-0" | STRUCTURAL SHEET NO. 28 OF 47 SHEETS | STA. 24+00.00 TO STA. 27+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	50
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		

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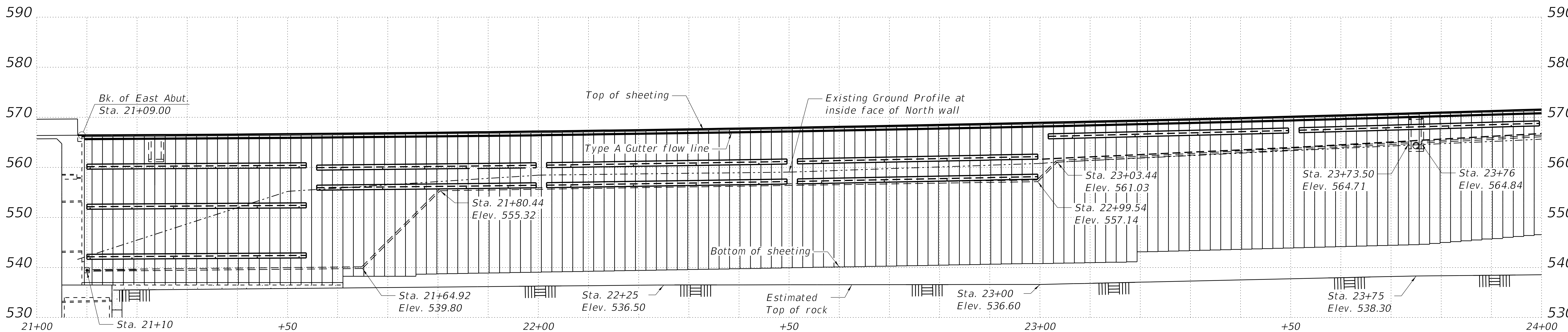
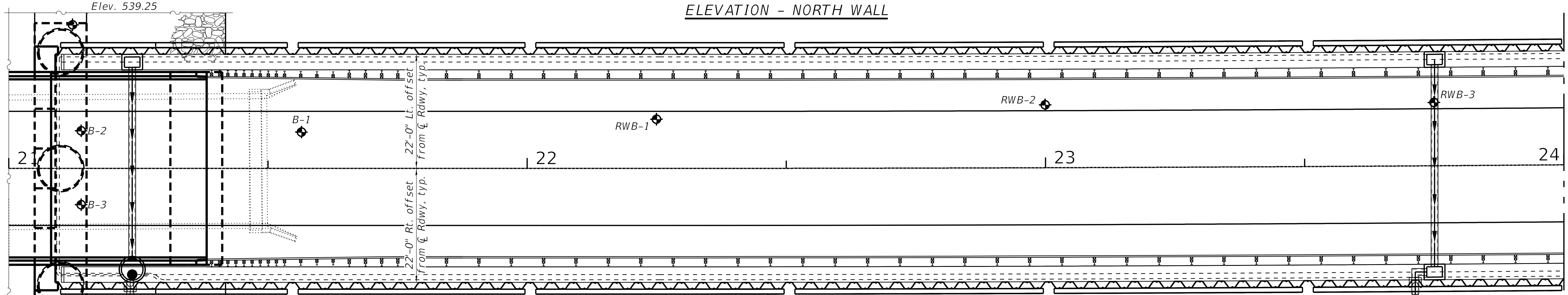
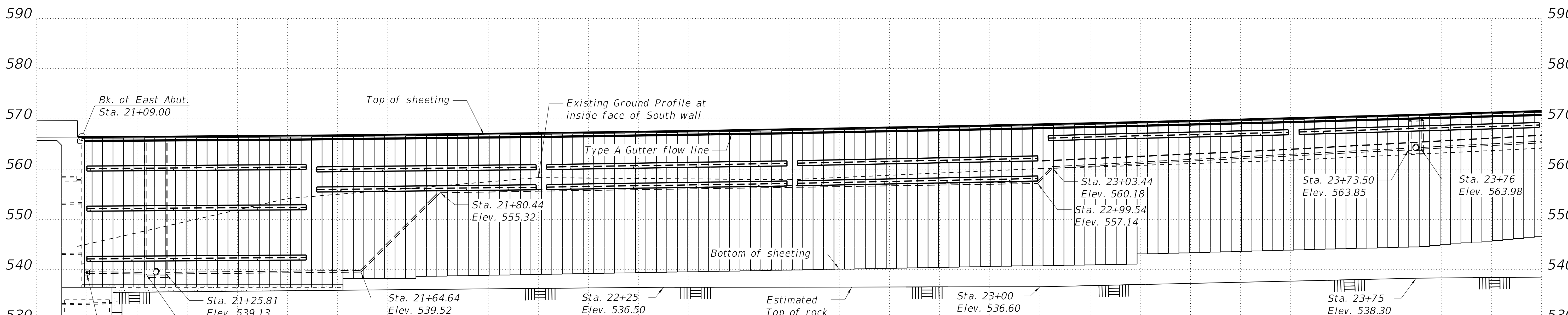


ELEVATION - NORTH WALL



PLAN VIEW



ELEVATION - SOUTH WALL

(Sheet 1 of 2)

REVISION	DATE	BY	REMARKS

DESIGNED SM
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SOIL RETENTION SYSTEM DRAINAGE PLAN AND PROFILE
STRUCTURE NO. 050-3601

SCALE: 1" = 10'-0" | STRUCTURAL SHEET NO. 29 OF 47 SHEETS | STA. 21+00.00 TO STA. 24+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	51
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		

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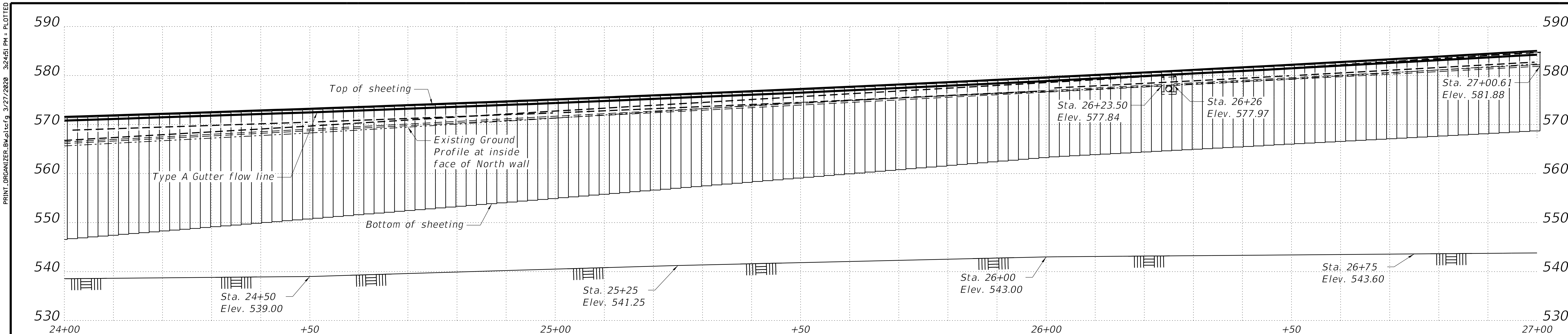
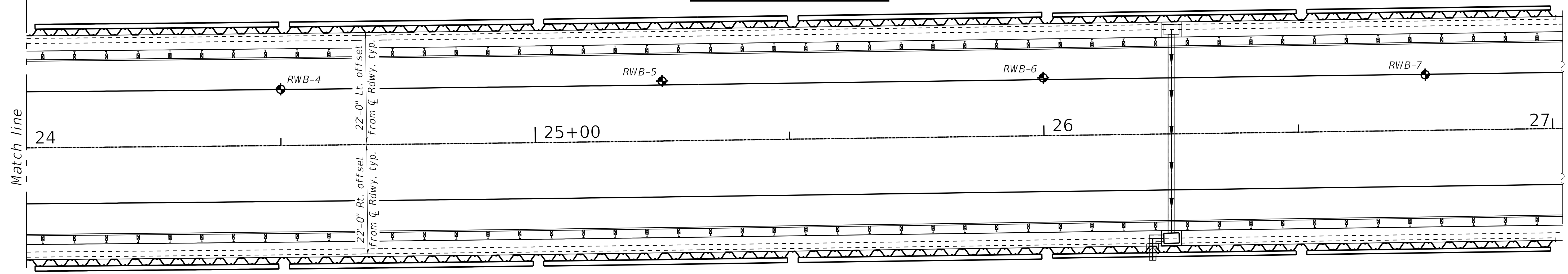
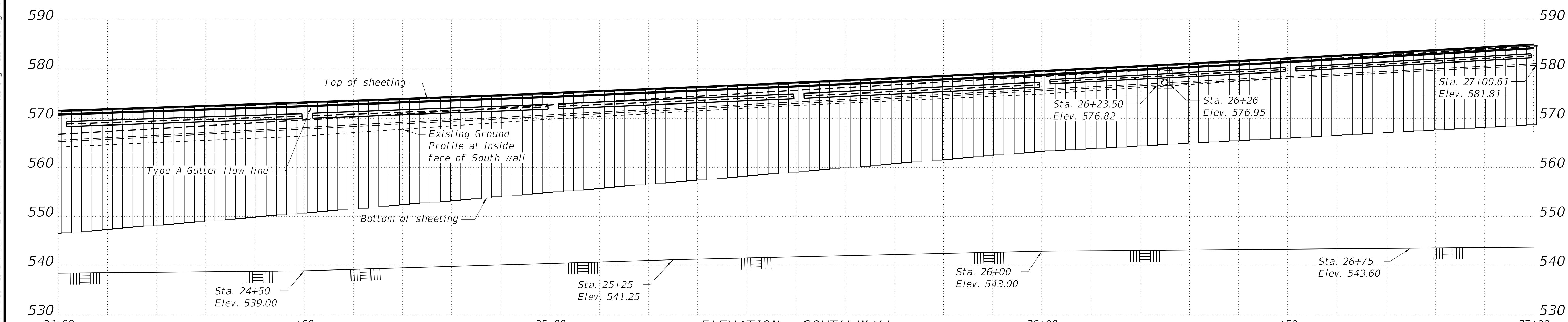


ELEVATION - NORTH WALL



PLAN VIEW



ELEVATION - SOUTH WALL

(Sheet 2 of 2)

REVISION	DATE	BY	REMARKS

DESIGNED SM
DRAWN FDL
REVIEWED BKC
APPROVED PLP

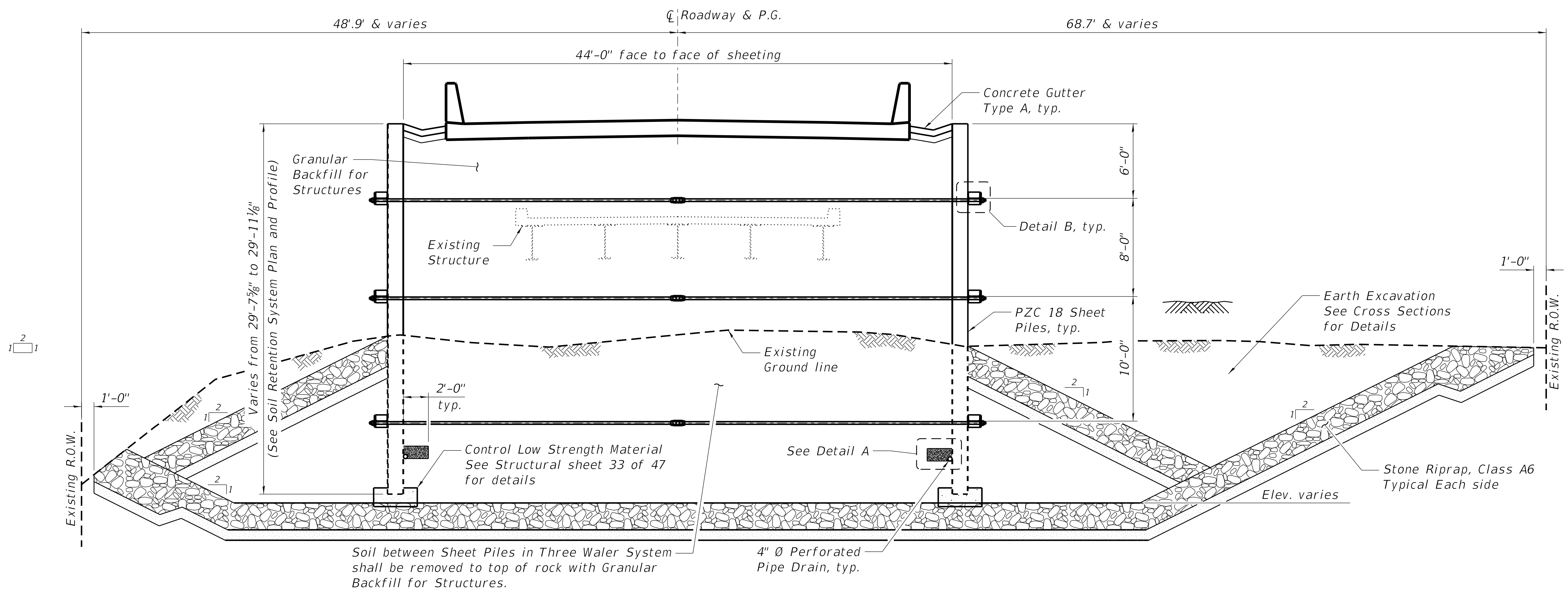
LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SOIL RETENTION SYSTEM DRAINAGE PLAN AND PROFILE
STRUCTURE NO. 050-3601

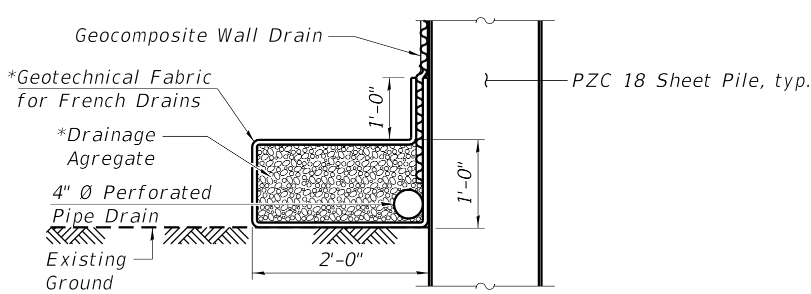
SCALE: 1" = 10'-0" | STRUCTURAL SHEET NO. 30 OF 47 SHEETS | STA. 24+00.00 TO STA. 27+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	52
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		



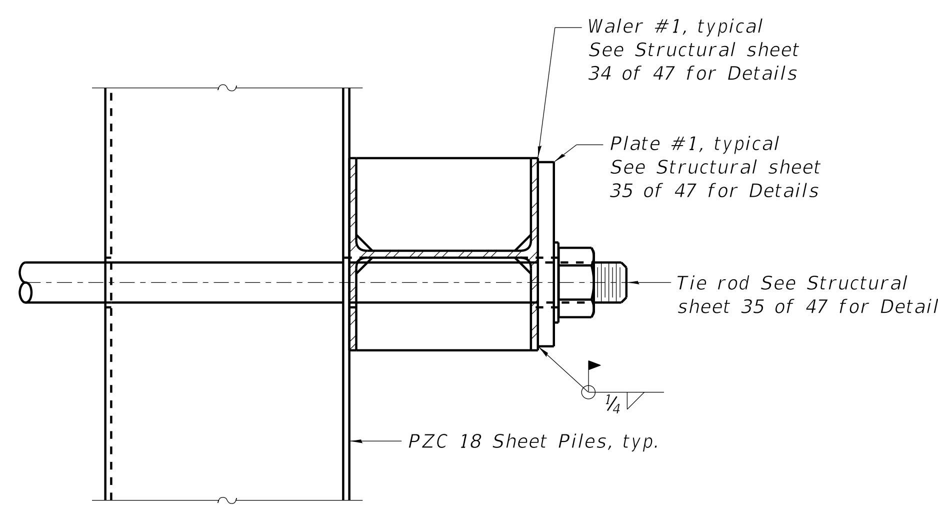
SECTION THRU THREE WALER SYSTEM

(Looking East)



DETAIL A

*Included in the cost of Pipe Underdrains for Structures



DETAIL B

NOTES:

All Steel Sheet Piling shall be Hot-Dipped Galvanized in accordance with AASHTO M-232.

All holes for Tie rods shall be field drill (Do Not Burn) and holes treated wih touch up galvanizing prior to the Tie rod installation.

Holes in Sheeting for 12" Ø Drain pipe shall be burned to diamenter called out in detail on Structural sheet 35 of 47 and touch up galvanized.

(Sheet 1 of 5)

REVISION	DATE	BY	REMARKS

DESIGNED	SM
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

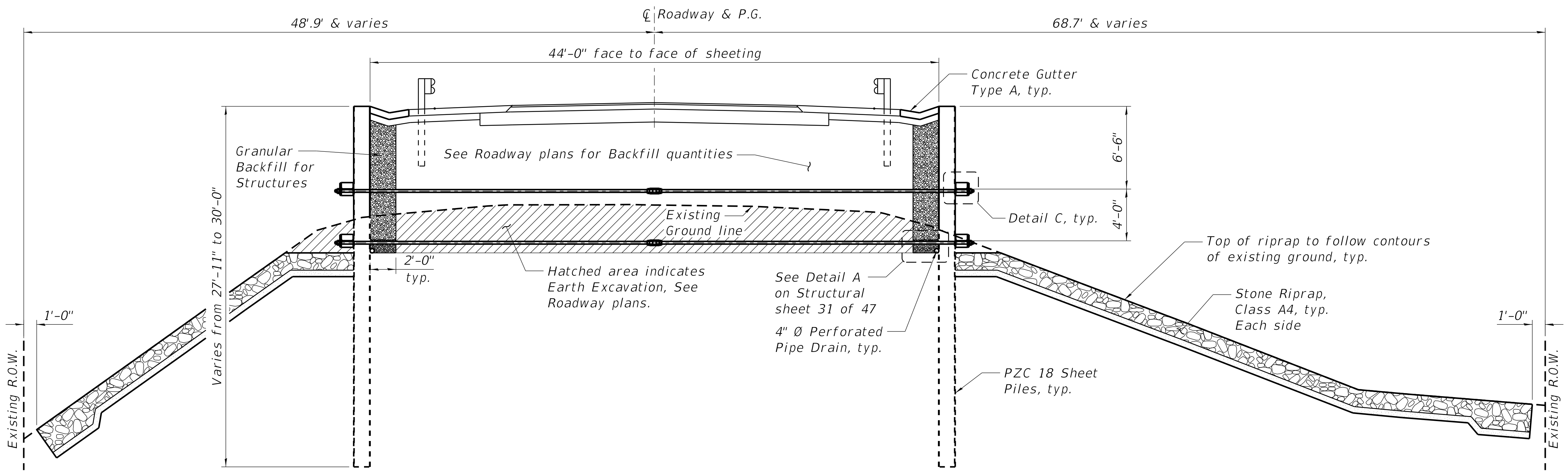
LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SOIL RETENTION SYSTEM DETAILS
STRUCTURE NO. 050-3601

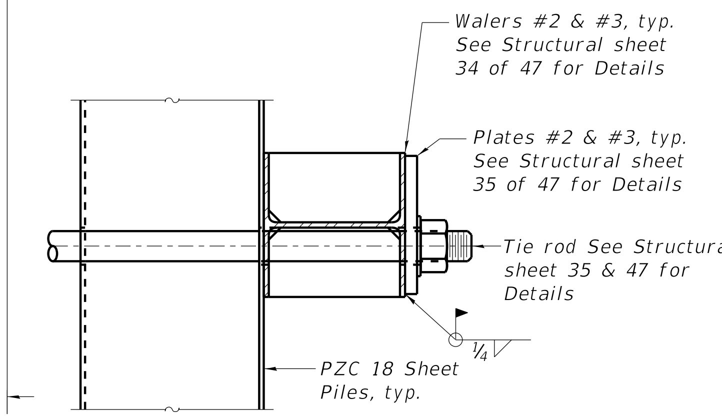
STRUCTURAL SHEET NO. 31 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	53
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT 2MQY(061)		

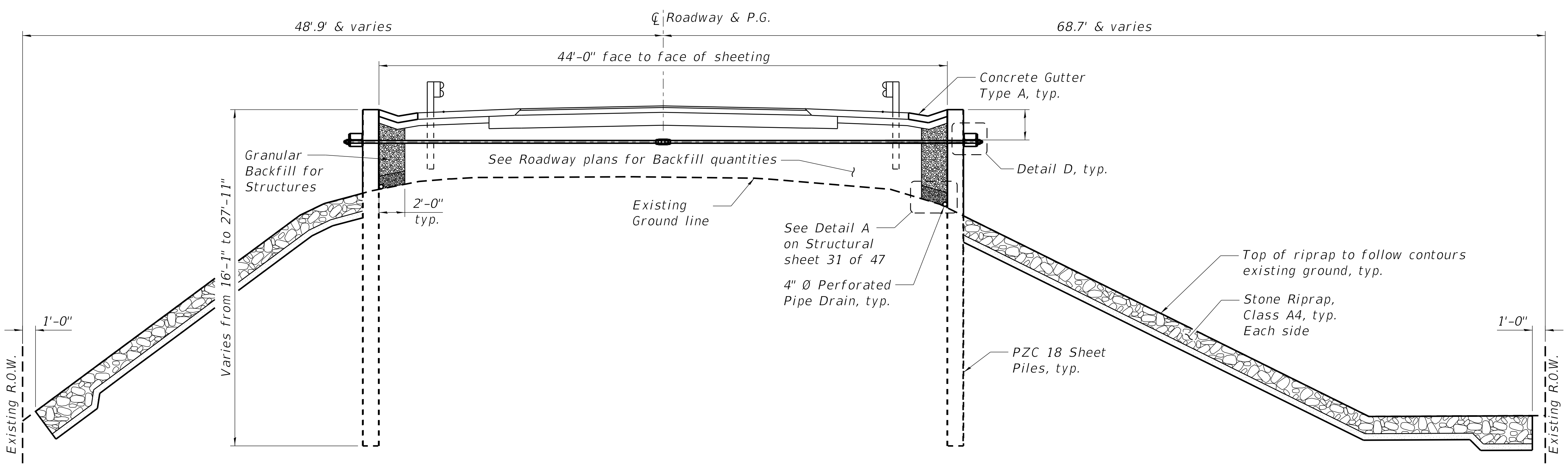


SECTION THRU TWO WALER SYSTEM

(Looking East)

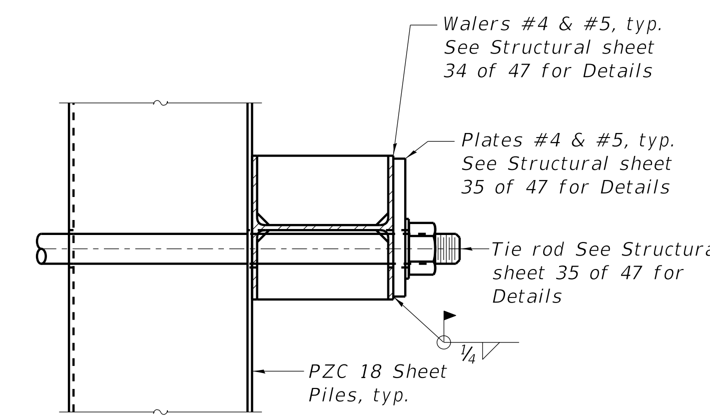


DETAIL C



SECTION THRU ONE WALER SYSTEM

(Looking East)



DETAIL D

(Sheet 2 of 5)

REVISION	DATE	BY	REMARKS

DESIGNED	SM
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

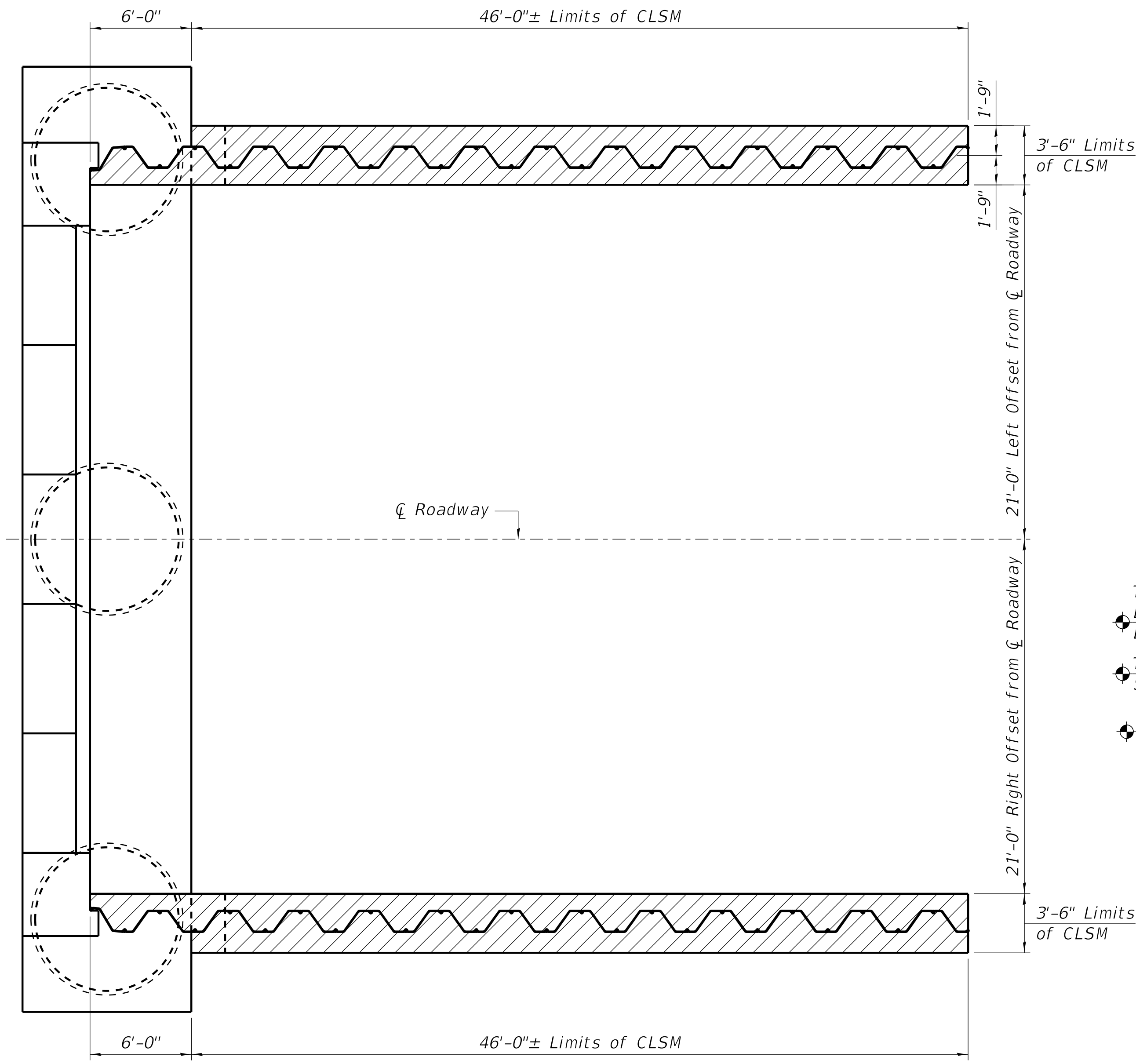
LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

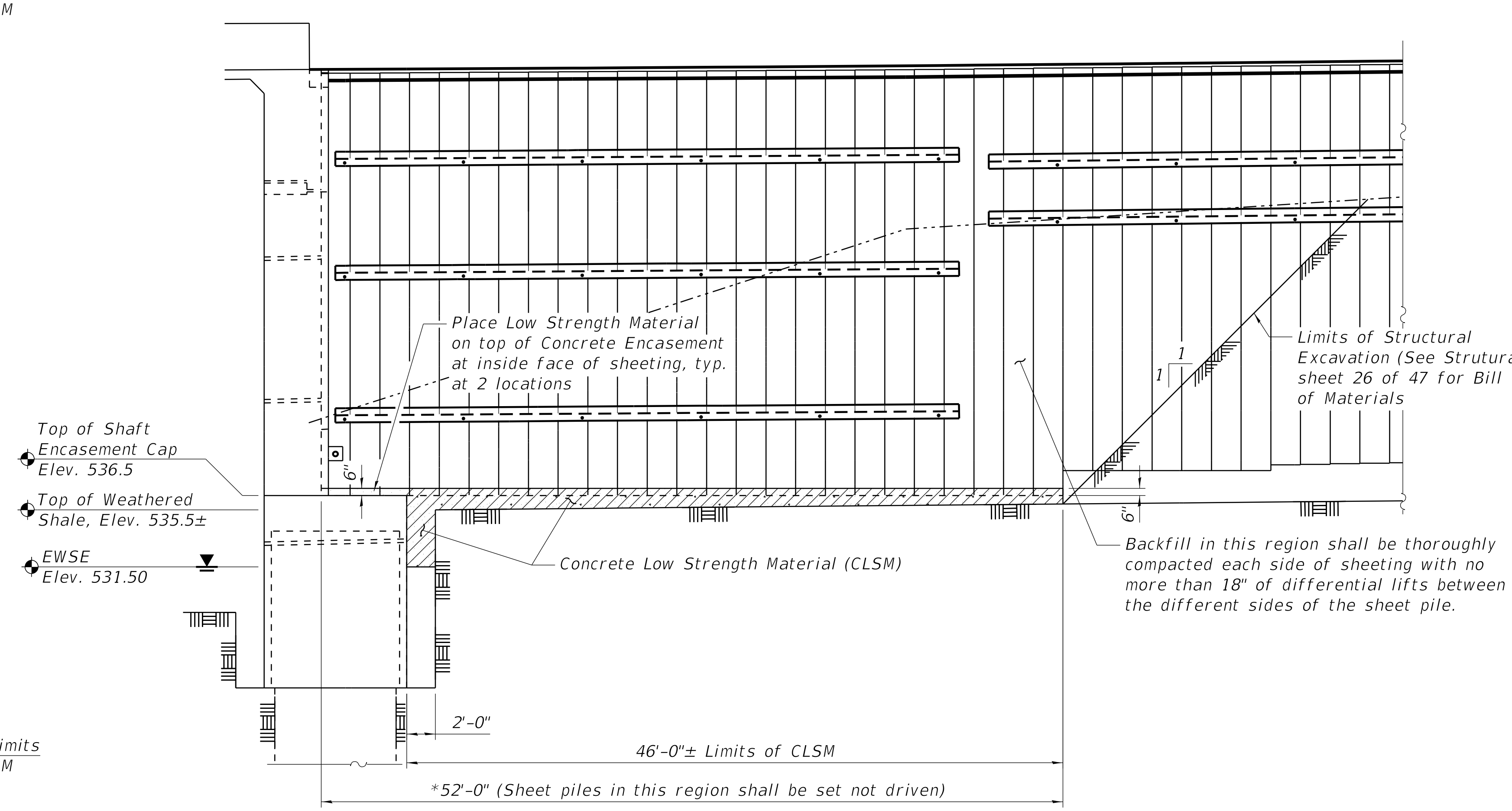
SOIL RETENTION SYSTEM DETAILS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 32 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	54
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		



PLAN VIEW



EAST ABUTMENT ELEVATION VIEW

*If rock excavation is required in this region to set sheet piles, the contractor shall be paid at the Contract Unit Price per Cubic Yard for Rock Excavation.

LEGEND

Concrete Low Strength Material (CLSM)

NOTE:

Concrete Low Strength Material shall have a minimum compression strength of 1500 psi.

See Structural sheet 35 of 47 for Controlled Low-Strength Material pay item

(Sheet 3 of 5)

REVISION	DATE	BY	REMARKS

DESIGNED SM
DRAWN FDL
REVIEWED BKC
APPROVED PLP

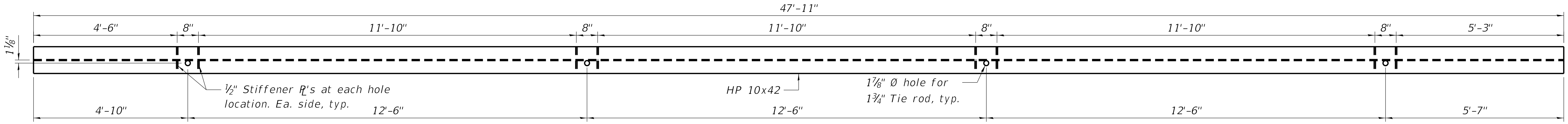
LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

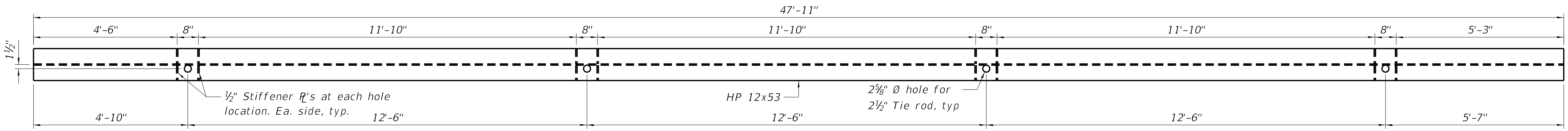
SOIL RETENTION SYSTEM DETAILS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 33 OF 47 SHEETS

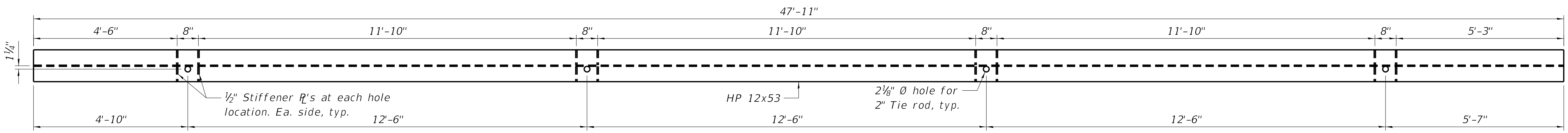
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	55
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)



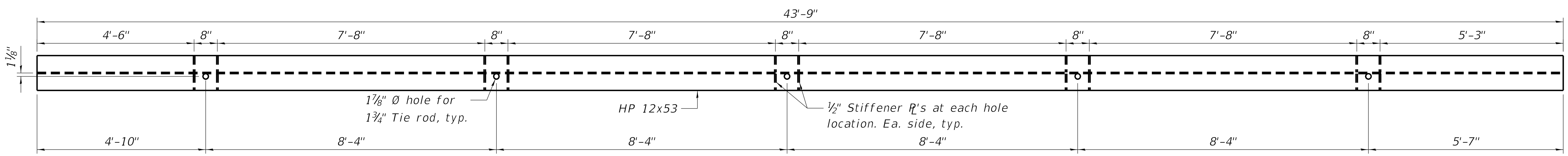
WALER #5
(4 Required)



WALER #4
(12 Required)



WALER #3
(8 Required)



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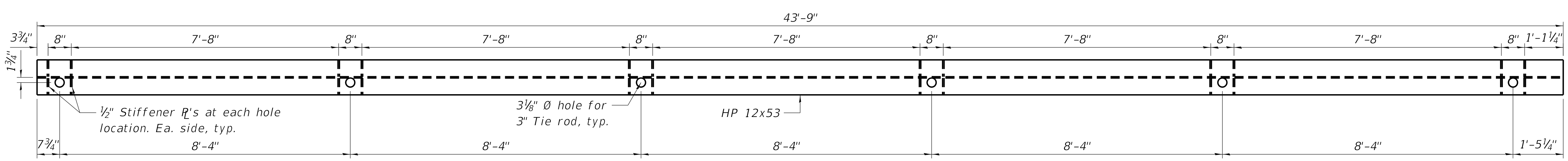
(4 Required)



WALER #1
(6 Required)

(Sheet 4 of 5)

REVISION	DATE	BY	REMARKS

DESIGNED	SM
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

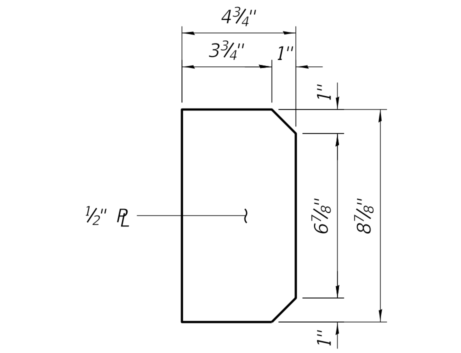
LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

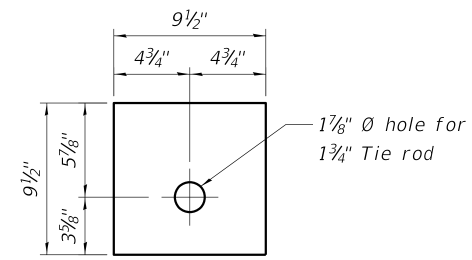
SOIL RETENTION SYSTEM DETAILS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 34 OF 47 SHEETS

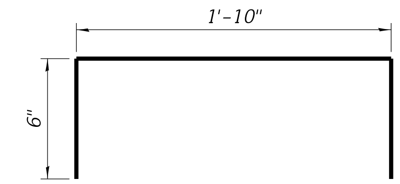
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	56
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)



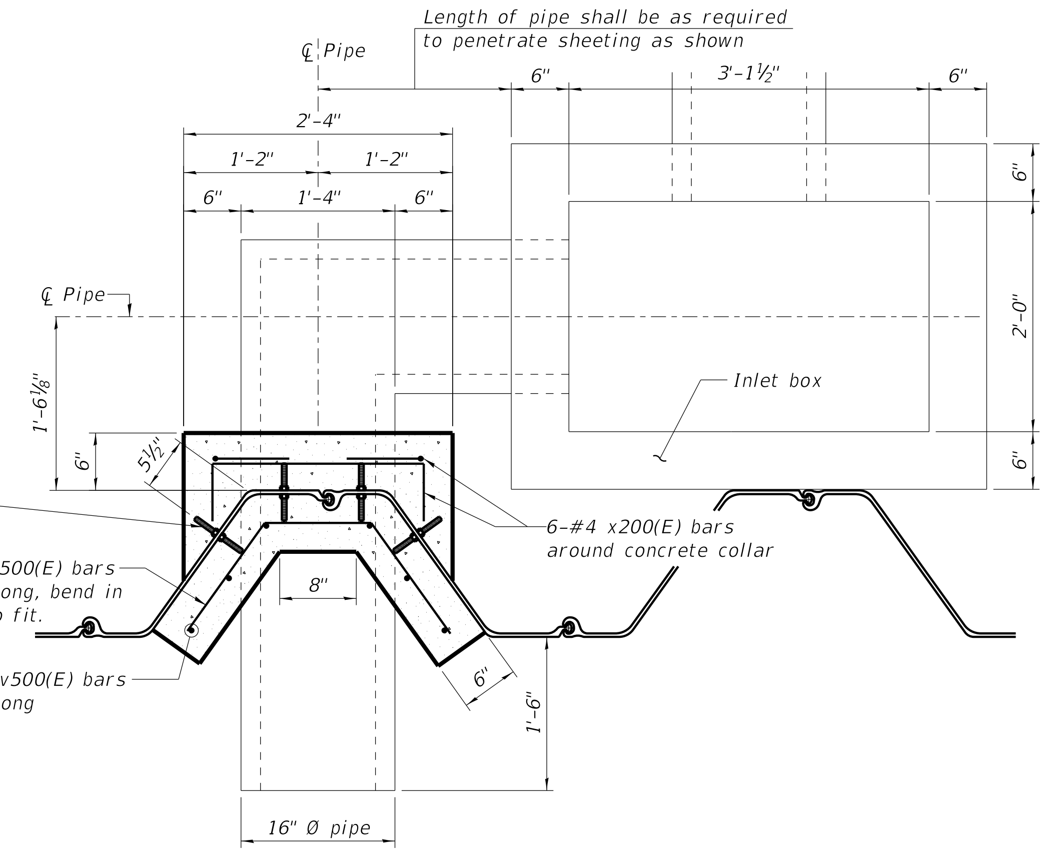
STIFFENER PLATE - HP 10x42
(64 Required)



1" PLATE #5
(16 Required - Waler #5)



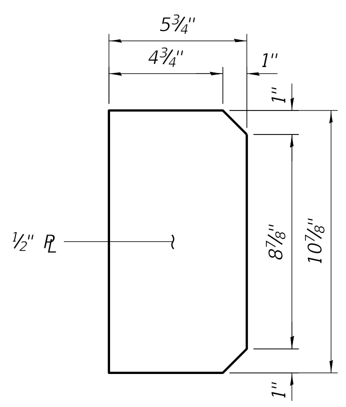
BAR x200(E)



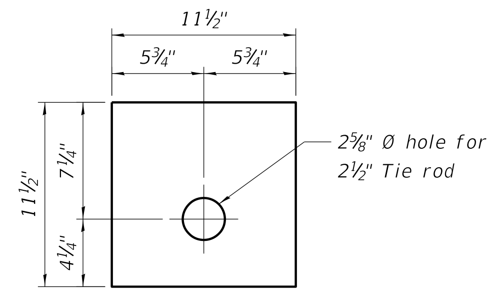
PIPE COLLAR DETAIL
(Waler and Concrete Gutter not shown for clarity)

NOTE:

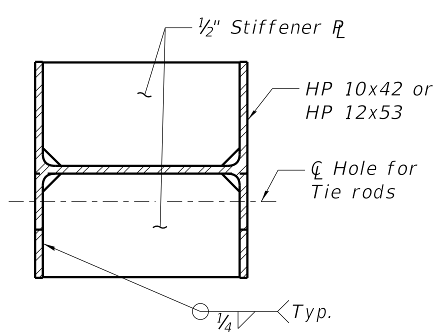
Contractor shall burn 16¼" Ø hole in sheet piles at all 16" Ø drainage pipe penetrations and touch up galvanize prior to pipe placement and pouring of concrete. Cost of all work including, field cutting holes, rods, nuts, rebar and forming and pouring of concrete shall be included in the Contract Unit Price per Each for Outlet Special.



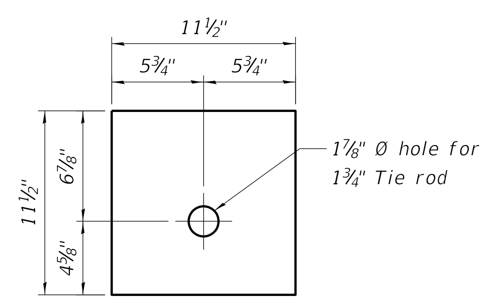
STIFFENER PLATE - HP 12x53
(544 Required)



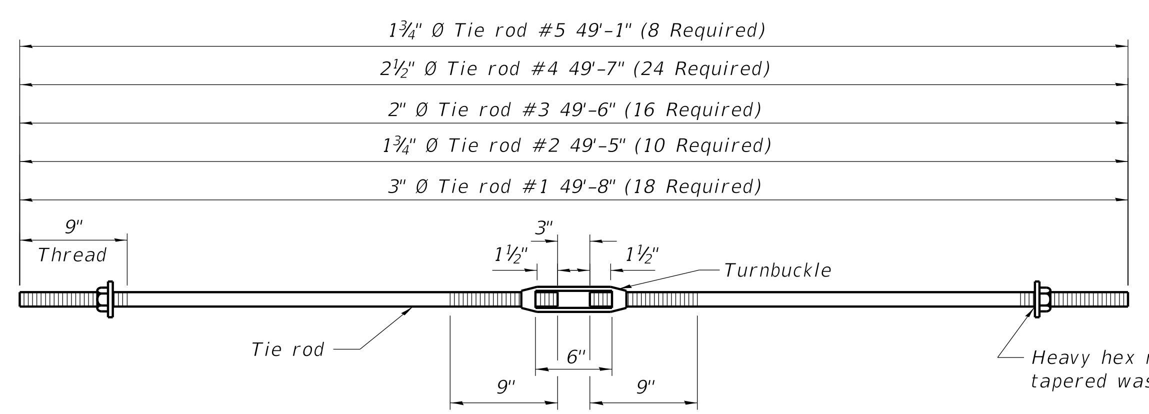
1" PLATE #4
(48 Required - Waler #4)



TYPICAL END VIEW



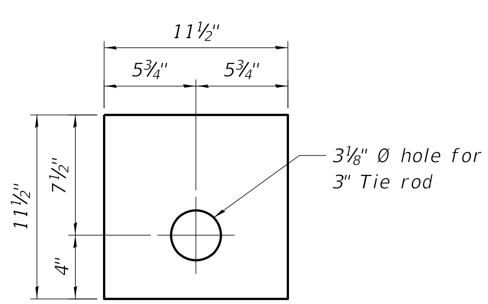
1" PLATE #2
(20 Required - Waler #2)



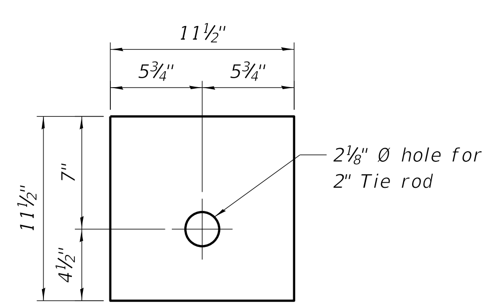
TIE ROD DETAILS

SOIL RETENTION SYSTEM
BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Structural Steel	Pound	157,420
Premanent Sheet Piling	Sq. Ft.	27,370
Granular Backfill for Structures	Ton	625
Geocomposite Wall Drain	Sq. Yd.	1,437
Controlled Low-Strength Material	Cu. Yd.	20.1
Pipe Underdrain for Structues, 4"	Foot	1,160



1" PLATE #1
(36 Required - Waler #1)



1" PLATE #3
(32 Required - Waler #3)

NOTES:

All rods shall be A36 steel.

HP 10x42 and HP 12x53 beams shall be AASHTO M270 Grade 50.

All structural steel shall be hot dipped galvanized in accordance with AASHTO M-232 and shall include tie rods, turnbuckles, nuts, backing plates, tapered washers, stiffener plates, HP 12 x53 and HP10x42 beams.

(Sheet 5 of 5)

REVISION	DATE	BY	REMARKS

DESIGNED SM
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SOIL RETENTION SYSTEM DETAILS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 35 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	57
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354
815-223-6696 o
815-223-6659 f
MTS37@COMCAST.NET

SOIL BORING LOG

Date 5/2/17

ROUTE Fas 263 CH-5 DESCRIPTION East Embankment LOGGED BY TLM

SECTION 14-00763-00-BR LOCATION , SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-3019
Station 20+00

BORING NO. B-01
Station 21+56.5
Offset 7.0 ft Lt.
Ground Surface Elev. 558.84 ft

Surface Water Elev. 538.50 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After ___ Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Bituminous Pavement	557.97				
Brown Clayey Sand & Gravel	556.84		8 4 5	3.3 P	20
Very stiff brown Silty Clay Loam w/gravel, fill	554.34	-5	5 5 5	4.5 B	18
Very stiff dark gray & dark brown Sandy Clay Loam, fill			2 2 2	2.0 P	12
	548.34	-10	2 3 8	0.5 P	19
Stiff brown Silty Loam w/gravel & some sand Coal layer 12 -12.5'	544.84		3 8 16	2.5 P	21
3" of hard brown Silty Clay over 3" of dense brown weathered Limestone cap rock	543.34	-15	8 100/5.5"	4.5 P	15
Gray weathered Shale	541.34		41 60 100/5"		14
End of Boring		-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354
815-223-6696 o
815-223-6659 f
MTS37@COMCAST.NET

SOIL BORING LOG

Date 5/4/17

ROUTE Fas 263 CH-5 DESCRIPTION East Abutment LOGGED BY TLM

SECTION 14-00763-00-BR LOCATION , SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY LaSalle DRILLING METHOD Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. 050-3019
Station 20+00

BORING NO. B-02
Station 21+14
Offset 7.2 ft Lt.
Ground Surface Elev. 558.77 ft

Surface Water Elev. 535.10 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Rotary ft
Upon Completion Rotary ft
After ___ Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Air					20
		-5			25
					16
		-10			12
					15
		-15			16
	542.27				14
Brown Clayey Sand	539.27			0.4 B	
Soft brown Clay Loam w/coal fill	538.77	-20			
Black Coal	535.77		6 12 11	2.0 P	
Gray Clay Loam Till (possibly very weathered Shale)		-25	10 17 29	3.7 S	
			64 100/4.25"	2.6 S	
		-30	19 25 57	2.7 S	
			18 33 77	3.5 S	
	523.77	-35	100/4.25"	2.1 S	
End of Boring		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

REVISION	DATE	BY	REMARKS	
				DESIGNED PV DRAWN FDL REVIEWED BKC APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SOIL AND ROCK CORE BORINGS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 367 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	58
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT	2MQY(061)	

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Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354
815-223-6696 o
815-223-6659 f
mts37@comcast.net

SOIL BORING LOG

Date 5/2/17

ROUTE Fas 263 CH-5 **DESCRIPTION** East Abutment **LOGGED BY** TLM

SECTION 14-00763-00-BR **LOCATION** , SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY LaSalle **DRILLING METHOD** Mud Rotary **HAMMER TYPE** Automatic

STRUCT. NO. 050-3019
Station 20+00

BORING NO. B-03
Station 21+14
Offset 7.0 ft Rt.
Ground Surface Elev. 558.77 ft

Surface Water Elev. 538.50 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Rotary ft
Upon Completion Rotary ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Air					
		-5			
		-10			
	545.08				
Soft brown Silty Loam, alluvium, moist					
		-15			
Bottom of Drilling Casing is 15.69 ft. below top of bridge deck (No N-values above this point)			1		
			1	0.5	19
			1	P	
			1		
	539.08		2		12
		-20	60		
Coal *(continued)*					
			57		
			93		15
			74		
	535.58				
Light gray Shale, weak, argilacious					
			15		
			20		21
		-25	29		
	533.08				
Light gray dense Shale					
			100/3.5"		
				4.5	22
				P	
			28		
			41	2.2	24
	526.58	-30	69	S	
Borehole continued with rock coring.					
		-35			
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354
815-223-6696 o
815-223-6659 f
MTS37@COMCAST.NET

ROCK CORE LOG

Date 5/2/17

ROUTE Fas 263 CH-5 **DESCRIPTION** East Abutment **LOGGED BY** TLM

SECTION 14-00763-00-BR **LOCATION** , SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY LaSalle **CORING METHOD** Wireline

STRUCT. NO. 050-3019
Station 20+00

BORING NO. B-03
Station 21+14
Offset 7.0 ft Rt.
Ground Surface Elev. 558.77 ft

CORING BARREL TYPE & SIZE NQ2
Core Diameter 2 in
Top of Rock Elev. 535.58 ft
Begin Core Elev. 528.58 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Dense light gray argilacious Shale	528.58		1	97	83	0.9	1.9
	527.08						
Very dense gray Shale							110.5
		-35					33.0
							115.6
	520.98						
Dense gray Limestone	520.65						
Very dense gray Shale							40.8
	518.58	-40					
End of Boring							
		-45					
		-50					

ROCK CORE SANDY FORD BRIDGE.GPJ IL_DOT.GDT 5/12/17

Color pictures of the cores Yes
Cores will be stored for examination until 1 Year
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SOIL AND ROCK CORE BORINGS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 37 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	59

WHA# 1160D14 CONTRACT NO. 87692
ILLINOIS FED. AID PROJECT 2MQY(061)

FILE = S:\PROJECTS\2014\1160D14_LCH\DESIGN\CAD_SHEETS\1160D14_Boring Logs.dgn

Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354
815-223-6696 o
815-223-6659 f
MTS37@COMCAST.NET

SOIL BORING LOG

Date 5/4/17

ROUTE Fas 263 CH-5 DESCRIPTION West Abutment LOGGED BY TLM

SECTION 14-00763-00-BR LOCATION , SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY LaSalle DRILLING METHOD Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. 050-3019
Station 20+00

BORING NO. B-04
Station 18+86.8
Offset 7.0 ft Rt.
Ground Surface Elev. 558.72 ft

Surface Water Elev. 535.10 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Rotary ft
Upon Completion Rotary ft
After ___ Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Air					
					22
					19
		-5			
					17
					14
		-10			
					22
		-15			
	541.22				
Loose brown Silty Sand					
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Loose brown Silty Sand *(continued)*					
	535.72				
Loose gray to dark gray Clayey Sand & Gravel					
		-25			
			3		
			3		
			2		
	530.72				
Light gray very weathered Shale			1		
firm at 30'			1	2.0	
		-30	2	P	
			20		
			18	3.1	
			100	S	
			20		
			30	2.6	
		-35	60/2"	S	
			100/4"		
				3.0	
	518.72	-40		P	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354
815-223-6696 o
815-223-6659 f
MTS37@COMCAST.NET

SOIL BORING LOG

Date 5/4/17

ROUTE Fas 263 CH-5 DESCRIPTION West Abutment LOGGED BY TLM

SECTION 14-00763-00-BR LOCATION , SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY LaSalle DRILLING METHOD Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. 050-3019
Station 20+00

BORING NO. B-04
Station 18+86.8
Offset 7.0 ft Rt.
Ground Surface Elev. 558.72 ft

Surface Water Elev. 535.10 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Rotary ft
Upon Completion Rotary ft
After ___ Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
End of Boring				
	-45			
	-50			
	-55			
	-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SOIL AND ROCK CORE BORINGS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 38 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	60

WHA# 1160D14
CONTRACT NO. 87692
ILLINOIS FED. AID PROJECT 2MQY(061)

Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354
815-223-6696 o
815-223-6659 f
mts37@comcast.net

SOIL BORING LOG

Date 5/3/17

ROUTE Fas 263 CH-5 **DESCRIPTION** West Abutment **LOGGED BY** TLM

SECTION 14-00763-00-BR **LOCATION** , SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY LaSalle **DRILLING METHOD** Mud Rotary **HAMMER TYPE** Automatic

STRUCT. NO. 050-3019
Station 20+00

BORING NO. B-05
Station 18+86.5
Offset 7.3 ft Lt.
Ground Surface Elev. 558.73 ft

Surface Water Elev. 537.63 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter Rotary ft
Upon Completion Rotary ft
After Hrs. ft

Description	Elev. (ft)	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Air					
		-5			
		-10			
		-15			
	539.90				
Loose brown Sandy Loam to Silty Fine Sand, moist		-20			
Loose brown Sandy Loam to Silty Fine Sand, moist *(continued)*					41
	537.23				
Loose brown Silty fine to medium Sand		-25			22
	533.23				
Loose brown Silty Fine Sand, wet Bottom of Drilling Casing is 26 ft. below top of bridge deck (No N-values above this point)			3 3 3		19
	530.73				
Loose brown Clayey Sand & Gravel, wet, sand is medium to coarse		-30	3 4 4		18
			5		
	527.23				
Dense gray Shale			87 100	3.1 S	11
		-35	100/5.25"	1.4 S	16
	522.73				
Borehole continued with rock coring.		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354
815-223-6696 o
815-223-6659 f
MTS37@COMCAST.NET

ROCK CORE LOG

Date 5/3/17

ROUTE Fas 263 CH-5 **DESCRIPTION** West Abutment **LOGGED BY** TLM

SECTION 14-00763-00-BR **LOCATION** , SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY LaSalle **CORING METHOD** Wireline

STRUCT. NO. 050-3019
Station 20+00

BORING NO. B-05
Station 18+86.5
Offset 7.3 ft Lt.
Ground Surface Elev. 558.73 ft

CORING BARREL TYPE & SIZE NQ2
Core Diameter 2 in
Top of Rock Elev. 527.23 ft
Begin Core Elev. 522.73 ft

Description	Elev. (ft)	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Dense very weathered gray Shale capped with 2" of Limestone	522.73		1	43	36	2.6	
	518.73	-40					
Very dense weathered gray Shale							85.3
			2	93	77	1.3	76.1
		-45					
							32.5
							27.5
			3	100	90	2	
							42.2
		-50					41.3
							43.6
			4	100	70	1	
		-55					46.8

ROCK CORE SANDY FORD BRIDGE.GPJ IL_DOT.GDT 5/12/17

Color pictures of the cores Yes
Cores will be stored for examination until 1 Year
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

REVISION	DATE	BY	REMARKS		
				DESIGNED	PV
				DRAWN	FDL
				REVIEWED	BKC
				APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SOIL AND ROCK CORE BORINGS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 39 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	61

WHA# 1160D14 CONTRACT NO. 87692
ILLINOIS FED. AID PROJECT 2MQY(061)

Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354
815-223-6696 o
815-223-6659 f
MTS37@COMCAST.NET

ROCK CORE LOG

Date 5/3/17

ROUTE Fas 263 CH-5 DESCRIPTION West Abutment LOGGED BY TLM

SECTION 14-00763-00-BR LOCATION , SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY LaSalle CORING METHOD Wireline

STRUCT. NO. 050-3019
Station 20+00

CORING BARREL TYPE & SIZE NQ2
Core Diameter 2 in
Top of Rock Elev. 527.23 ft
Begin Core Elev. 522.73 ft

BORING NO. B-05
Station 18+86.5
Offset 7.3 ft Lt.
Ground Surface Elev. 558.73 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Very dense weathered gray Shale *(continued)*							
	500.73						
End of Boring							
		-60					
		-65					
		-70					
		-75					

ROCK CORE SANDY FORD BRIDGE.GPJ IL_DOT.GDT 5/12/17

Color pictures of the cores Yes
Cores will be stored for examination until 1 Year
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354
815-223-6696 o
815-223-6659 f
MTS37@COMCAST.NET

SOIL BORING LOG

Date 5/3/17

ROUTE Fas 263 CH-5 DESCRIPTION West Embankment LOGGED BY TLM

SECTION 14-00763-00-BR LOCATION , SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY LaSalle DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 050-3019
Station 20+00

BORING NO. B-06
Station 18+42.1
Offset 6.6 ft Rt.
Ground Surface Elev. 558.60 ft

Surface Water Elev. 537.63 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After ___ Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Bituminous Pavement	557.91				
Loose Clayey Sand & Gravel			6		
			4		6
			2		
	555.60				
Loose brown Sandy Loam			2		
			2		16
		-5	3		
	553.10				
Medium stiff brown Sandy Clay Loam, fill			2		
			2	0.8	21
			2	P	
				ST	
		-10	2		
			2	1.5	17
			2	P	
			2		
			2	1.5	16
			3	P	
			0		
			1	0.5	23
		-15	2	P	
				ST	
	540.60				
Loose brown Silty Fine Sand, trace clay			0		
			0		28
			0		
		-20			

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Loose brown Silty Fine Sand, trace clay *(continued)*			1		
			2	0.4	25
			2	B	
	535.60				
Loose brown Silty Fine Sand, trace gravel, trace clay gravel is rounded			2		
			2		23
		-25	2		
	533.10				
Loose brown medium coarse Sand, trace organics & coal			2		
			2		26
			3		
	530.60				
Very dense Gravel, (possible limestone caprock)			100/4"		
					16
	528.60	-30			
Dense weathered gray Shale					
			27		
			76	3.4	11
	523.60	-35	100/3"	S	
End of Boring					
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SOIL AND ROCK CORE BORINGS
STRUCTURE NO. 050-3601
STRUCTURAL SHEET NO. 40 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	62

WHA# 1160D14 CONTRACT NO. 87692
ILLINOIS FED. AID PROJECT 2MQY(061)

McCleary Engineering
3705 Progress Blvd
Peru, Il 61354
815 780-8486
Solutions You Can Build On

SOIL BORING LOG

Date 4/2/18

ROUTE FAS 263 (CH-5) **DESCRIPTION** West End of Retaining Wall in NE Quad **LOGGED BY** TLM

SECTION 14-00763-00-BR **LOCATION** SE 1/4, **SEC.** 32, **TWP.** 32, **RNG.** 3, 3rd **PM**, **Latitude** 41.19296, **Longitude** -88.90255

COUNTY LaSalle **DRILLING METHOD** HSA **HAMMER TYPE** Auto

STRUCT. NO. ______
Station ______

BORING NO. RWB-1
Station 22+25
Offset 7.7 ft Lt.
Ground Surface Elev. 559.50 ft

Surface Water Elev. ______ ft
Stream Bed Elev. ______ ft

Groundwater Elev.:
First Encounter 538.5 ft ▼
Upon Completion Caved ft
After N/A **Hrs.** N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
11.5" HMA Pavement	558.50				
Very Stiff Brown/Gray Silty Clay Loam (Fill) w/ some gravel & trace sand			5 6 8	3.5 P	18
		-5	2 4 6	2.5 P	20
	554.00				
Very Stiff to Hard Brown Silty Clay to Clay (Fill)			5 5 6	4.1 B	16
	551.50				
Stiff Brown Silty CLay Loam (Fill) some sand		-10	2 2 2	1.5 P	17
	549.00				
Medium Stiff Brown Sandy Clay Loam (Fill)			2 2 3	0.9 B	17
		-15	2 3 4	1.0 P	19
	544.00				
Stiff Brown Silty Clay Loam (Fill)			3 3 4	2.1 B	22
	541.50				
Medium Stiff Dark Gray to Black Silty Clay trace sand	539.50	-20	2 3 4	0.9 B	24

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Wet Gray Silty Loam ▼	538.00		11 18 19	0.9 B	17
Black Coal 3" Limestone Piece Black Coal	536.50				
Dense Very Weathered Gray Shale, Dry		-25	13 20 44	-	12
	534.00				
Very Dense Weathered Gray Shale, Dry			MSPT		6
	530.50				
Dense Weathered Gray Shale		-30	MSPT		9
	525.50				
Very Dense Weathered Gray Shale		-35	MSPT		
	522.00				
End of Boring		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

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SOIL BORING LOG

Date 4/2/18

ROUTE FAS 263 (CH-5) **DESCRIPTION** Retaining Wall NE Quad **LOGGED BY** TLM

SECTION 14-00763-00-BR **LOCATION** SE 1/4, **SEC.** 32, **TWP.** 32, **RNG.** 3, 3rd **PM**,
Latitude 41.19296, **Longitude** -88.90232

COUNTY LaSalle **DRILLING METHOD** HSA **HAMMER TYPE** Auto

STRUCT. NO.
Station

BORING NO. RWB-2
Station 23+00
Offset 10.0 ft Lt.
Ground Surface Elev. 561.60 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 538.6 ft ▼
Upon Completion Caved ft
After N/A **Hrs.** N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
10" HMA Pavement	560.77				
Very Stiff Brown Silty Clay w/ trace sand (Fill)			3		
			4	2.5	17
			5	B	
			3		
	557.10		4	1.7	20
Stiff Gray Silty Clay (FIll)	556.60	-5	5	B	
Stiff Brown Silty Clay w/ trace sand (Fill)			3		
			3	1.0	21
			4	P	
			2		
			3	1.9	17
		-10	4	B	
			2		
			3	2.1	16
			5	B	
2mm sand seam @ 14'	547.60		2		
			3	1.6	18
		-15	5	B	
			2		
	544.60		3	1.2	14
Stiff olive Greeen Silty Clay Loam			4	B	
	542.60		2		
Stiff Black Sandy Clay Loam			3	1.6	17
	541.60	-20	3	B	
Mix of Black, Olive Brown & Gray Sandy Clay Loam, Silty Clay & Sand Fill			3		
			3	1.3	17
4" Layer of coal at 22'	539.10		4	P	
▼					
			2		
			4	1.1	17
	536.60	-25	8	B	
Olive Brown to Gray very Weathered Shale, Dry	535.60				
Borehole continued with rock coring.					
		-30			
		-35			
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

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ROCK CORE LOG

Date 4/2/18

ROUTE FAS 263 (CH-5) **DESCRIPTION** Retaining Wall NE Quad **LOGGED BY** TLM

SECTION 14-00763-00-BR **LOCATION** , **SEC.** , **TWP.** , **RNG.** ,
Latitude , **Longitude**

COUNTY LaSalle **CORING METHOD** Wireline

STRUCT. NO.
Station

BORING NO. RWB-2
Station 23+00
Offset 10.0 ft Lt.
Ground Surface Elev. 563.05 ft

CORING BARREL TYPE & SIZE NQ
Core Diameter 2 in
Top of Rock Elev. 537.05 ft
Begin Core Elev. 535.55 ft

Description	Elev.	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
4" Fractured Limestone	535.55		1	60	20	3.28	94.0
Gray Very Weathered Shale, Argillaceous	535.22						
		-30					
			2	70	100	2.27	151.0
	529.55						
Gray Dense Sandstone, very fine grained							
		-35					
	525.55						
Gray Lightly Cemented Shale, Argillaceous							
	523.55						
End of Boring		-40					
		-45					

ROCK CORE SANDY FORD BRIDGE 2018.GPJ IL_DOT.GDT 4/24/18

Color pictures of the cores
Cores will be stored for examination until
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SOIL AND ROCK CORE BORINGS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 42 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	64

WHA# 1160D14 CONTRACT NO. 87692
ILLINOIS FED. AID PROJECT 2MQY(061)

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SOIL BORING LOG

Date 4/2/18

ROUTE FAS 263 (CH-5) **DESCRIPTION** Retaining Wall NE Quad **LOGGED BY** TLM

SECTION 14-00763-00-BR **LOCATION** SE 1/4, **SEC.** 32, **TWP.** 32, **RNG.** 3, 3rd **PM**, **Latitude** 41.19296, **Longitude** -88.90208

COUNTY LaSalle **DRILLING METHOD** HSA **HAMMER TYPE** Auto

STRUCT. NO. ______
Station ______

BORING NO. RWB-3
Station 23+75
Offset 10.0 ft Lt.
Ground Surface Elev. 565.30 ft

Surface Water Elev. ______ ft
Stream Bed Elev. ______ ft

Groundwater Elev.:
First Encounter 539.3 ft ▼
Upon Completion Caved ft
After N/A **Hrs.** N/A ft

Description	Bottom Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
10" HMA Pavement	564.47				
Very Stiff Brown Silty Clay w/ trace sand (Fill)			5		
			4	2.7	20
			5	B	
			3		
			4	2.8	21
		-5	5	B	
			3		
			3	1.2	19
			4	B	
			3		
			4	1.8	17
	554.80	-10	5	B	
Very Stiff Brown Silty Clay Loam Till (Fill)			3		
			3	2.5	19
	551.30		5	P	
			2		
Soft Brown Sandy Clay	550.80		2	1.0	18
Stiff Brown/Gray Clay Loam (Fill)		-15	3	P	
			3		
			3	1.5	14
	547.30		4	P	
Stiff Olive Brown Clay Loam w/ 2mm sand seam @ 19'			2		
			2	1.0	21
	544.80	-20	3	P	
Loose Black Organic Sandy Loam			4		
			3	0.3	31
	542.30		5	B	
Loose Gray Fine to Medium Sand w/ some clay between 24' and 24.5'			2		
			3	0.5	20
	539.80	-25	4	B	
Loose Clayey Gravel, wet ▼			3		
	538.30		3	4.0	19
Hard Weathered Gray Shale			6	P	
			5		
			15	4.5	11
		-30	35	P	
			50/3"		
			MSPT		5
		-35			
			MSPT		
					23
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

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Solutions You Can Build On

SOIL BORING LOG

Date 4/2/18

ROUTE FAS 263 (CH-5) **DESCRIPTION** Retaining Wall NE Quad **LOGGED BY** TLM

SECTION 14-00763-00-BR **LOCATION** SE 1/4, **SEC.** 32, **TWP.** 32, **RNG.** 3, 3rd **PM**, **Latitude** 41.19296, **Longitude** -88.90208

COUNTY LaSalle **DRILLING METHOD** HSA **HAMMER TYPE** Auto

STRUCT. NO. ______
Station ______

BORING NO. RWB-3
Station 23+75
Offset 10.0 ft Lt.
Ground Surface Elev. 565.30 ft

Surface Water Elev. ______ ft
Stream Bed Elev. ______ ft

Groundwater Elev.:
First Encounter 539.3 ft ▼
Upon Completion Caved ft
After N/A **Hrs.** N/A ft

Description	Bottom Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Weathered Gray Shale *(continued)*			MSPT		
	523.80				23
End of Boring					
		-45			
		-50			
		-55			
		-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SOIL AND ROCK CORE BORINGS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 43 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	65

WHA# 1160D14 CONTRACT NO. 87692
ILLINOIS FED. AID PROJECT 2MQY(061)

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SOIL BORING LOG

Date 4/3/18

ROUTE FAS 263 (CH-5) **DESCRIPTION** Retaining Wall NE Quad **LOGGED BY** TLM

SECTION 14-00763-00-BR **LOCATION** SE 1/4, **SEC.** 32, **TWP.** 32, **RNG.** 3, 3rd **PM**, **Latitude** 41.19296, **Longitude** -88.9018

COUNTY LaSalle **DRILLING METHOD** HSA **HAMMER TYPE** Auto

STRUCT. NO. ____
Station ____

BORING NO. RWB-4
Station 24+50
Offset 9.0 ft Lt.
Ground Surface Elev. 569.50 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 539.5 ft ▼
Upon Completion Caved ft
After N/A **Hrs.** N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
10" HMA Pavement 2" Sand & Gravel	568.50				
Very Stiff to Stiff Brown Silty Clay w/ some gravel & trace sand			4 5 6	4.5 P	14
		-5	2 3 5	1.9 B	20
			3 5 8	2.9 B	19
		-10	3 4 5	2.3 S	18
			3 5 6	2.5 B	18
2" Medium Coarse Sand Seam @ 14.5'	554.70	-15	2 2 3	1.2 B	22
			2 2 3	1.2 B	21
	551.50				
Stiff Brown Silty Clay	549.50	-20	7 5 6	2.5 P	13
Medium Stiff Brown Silty Clay			3 4 5	1.2 B	18
		-25	2 2 4	0.7 B	18
	543.00				
Loose Gray Sand & Coal	541.50		2 4 6	2.0 P	18
Firm Black Organic Sandy Loam		▼ -30	2 2 3	0.8 B	27
	539.00				
Hard Weathered Gray Shale w/ coal mixed in			50/3" MSPT		9
	535.50	-35			
Hard Weathered Gray Shale			MSPT		6
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

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Solutions You Can Build On

SOIL BORING LOG

Date 4/3/18

ROUTE FAS 263 (CH-5) **DESCRIPTION** Retaining Wall NE Quad **LOGGED BY** TLM

SECTION 14-00763-00-BR **LOCATION** SE 1/4, **SEC.** 32, **TWP.** 32, **RNG.** 3, 3rd **PM**, **Latitude** 41.19296, **Longitude** -88.9018

COUNTY LaSalle **DRILLING METHOD** HSA **HAMMER TYPE** Auto

STRUCT. NO. ____
Station ____

BORING NO. RWB-4
Station 24+50
Offset 9.0 ft Lt.
Ground Surface Elev. 569.50 ft

Surface Water Elev. ____ ft
Stream Bed Elev. ____ ft

Groundwater Elev.:
First Encounter 539.5 ft ▼
Upon Completion Caved ft
After N/A **Hrs.** N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Weathered Gray Shale *(continued)*	528.00		MSPT		
Hard White/Gray Weathered Shale	527.00				13
End of Boring					
		-45			
		-50			
		-55			
		-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

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Solutions You Can Build On

SOIL BORING LOG

Date 4/2/18

ROUTE FAS 263 (CH-5) DESCRIPTION Retaining Wall NE Quad LOGGED BY TLM

SECTION 14-00763-00-BR LOCATION SE 1/4, SEC. 32, TWP. 32, RNG. 3, 3rd PM, Latitude 41.193, Longitude -88.90155

COUNTY LaSalle DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. ______
Station ______

BORING NO. RWB-5
Station 25+25
Offset 10.0 ft Lt.
Ground Surface Elev. 574.25 ft

Surface Water Elev. ______ ft
Stream Bed Elev. ______ ft

Groundwater Elev.:
First Encounter 541.8 ft ▼
Upon Completion Caved ft
After N/A Hrs. N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
8" HMA Pavement	573.58				
Very Stiff Brown Silty Clay w/ some gravel & trace sand			4		
			7	4.5	16
			8	P	
			3		
			4	2.5	17
		-5	6	P	
			3		
			6	3.1	19
			8	B	
			2		
			3	4.3	17
		-10	6	B	
	563.75				
Firm Brown Silty Clay Loam			3		
			3	1.7	20
			5	B	
			4		
			5	3.5	18
		-15	7	B	
			3		
			5	4.1	16
			7	B	
	556.25				
Stiff Brown Silty Clay Loam Till			4		
			4	4.0	18
	554.25	-20	4	P	

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff Brown/Gray Silty Clay Till			2		
			3	4.0	17
			5	P	
			4		
			5	4.3	18
		-25	5	S	
			3		
			4	2.5	17
			6	B	
	545.25		3		
Loose Gray Fine to Medium Sand w/ some clay mixed in			4	-	25
		-30	5		
			1		
			3	-	28
			4		
	541.25 ▼				
Borehole continued with rock coring.					
		-35			
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

McCleary Engineering
3705 Progress Blvd
Peru, Il 61354
815 780-8486
Solutions You Can Build On

ROCK CORE LOG

Date 4/2/18

ROUTE FAS 263 (CH-5) DESCRIPTION Retaining Wall NE Quad LOGGED BY TLM

SECTION 14-00763-00-BR LOCATION , SEC. , TWP. , RNG. , Latitude , Longitude

COUNTY LaSalle CORING METHOD Wireline

STRUCT. NO. ______
Station ______

BORING NO. RWB-5
Station 25+25
Offset 10.0 ft Lt.
Ground Surface Elev. ______ ft

CORING BARREL TYPE & SIZE NQ
Core Diameter 2 in
Top of Rock Elev. ______ ft
Begin Core Elev. ______ ft

Description	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Hard Very Brittle Fractured Dark Gray to Black Slate, (many of the fractures are vertical)	-35	1	80	8	3.27	50.0
Presumed to be weathered Shale or Clay, but washed away during coring						
Gray Very Weatherd Shale, Argillaceous	-40	2	84	47	2.79	8.4
Gray Dense Sandstone w/ Limestone inclusions						
Gray Lightly Cemented Shale, Argillaceous						
End of Boring	-45					
	-50					

ROCK CORE SANDY FORD BRIDGE 2018.GPJ IL_DOT.GDT 4/24/18

Color pictures of the cores ______
Cores will be stored for examination until ______
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SOIL AND ROCK CORE BORINGS
STRUCTURE NO. 050-3601

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	67
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT 2MQY(061)		

McCleary Engineering
3705 Progress Blvd
Peru, Il 61354
815 780-8486
Solutions You Can Build On

SOIL BORING LOG

Date 4/3/18

ROUTE FAS 263 (CH-5) **DESCRIPTION** Retaining Wall NE Quad **LOGGED BY** TLM

SECTION 14-00763-00-BR **LOCATION** SE 1/4, **SEC.** 32, **TWP.** 32, **RNG.** 3, 3rd **PM**,
Latitude 41.19302, **Longitude** -88.90128

COUNTY LaSalle **DRILLING METHOD** HSA **HAMMER TYPE** Auto

STRUCT. NO.
Station

BORING NO. RWB-6
Station 26+00
Offset 10.0 ft Lt.
Ground Surface Elev. 578.50 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 545.5 ft ▼
Upon Completion Caved ft
After N/A **Hrs.** N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
HMA Pavement	577.67				
Stiff Brown Silty Clay Loam Fill w/ some gravel			4 6 7	3.0 P	16
		-5	3 4 5	2.5 B	18
Stiff Brown Silty Clay w/ trace sand	573.00		3 3 6	2.1 B	18
		-10	3 4 6	1.9 S	21
Stiff Brown Silty Clay Loam	568.00		4 5 8	2.1 B	15
		-15	5 6 7	3.3 B	18
			2 3 4	1.7 B	17
		-20	3 5 6	1.6 B	15
Stiff Brown Silty Clay Loam (continued)			2 3 4	2.5 P	17
		-25	3 3 3	2.0 P	18
			2 2 4	1.5 P	19
Loose Fine Brown Sand w/ cemented mica chunks	550.50	-30	4 3 5	-	11
			8 5 4	-	13
Loose Fine Gray Sand w/ coal ▼	546.50	-35	3 3 6	-	25
Hard Weathered Gray Shale	543.00	-40	50/3" MSPT		16

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

McCleary Engineering
3705 Progress Blvd
Peru, Il 61354
815 780-8486
Solutions You Can Build On

SOIL BORING LOG

Date 4/3/18

ROUTE FAS 263 (CH-5) **DESCRIPTION** Retaining Wall NE Quad **LOGGED BY** TLM

SECTION 14-00763-00-BR **LOCATION** SE 1/4, **SEC.** 32, **TWP.** 32, **RNG.** 3, 3rd **PM**,
Latitude 41.19302, **Longitude** -88.90128

COUNTY LaSalle **DRILLING METHOD** HSA **HAMMER TYPE** Auto

STRUCT. NO.
Station

BORING NO. RWB-6
Station 26+00
Offset 10.0 ft Lt.
Ground Surface Elev. 578.50 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 545.5 ft ▼
Upon Completion Caved ft
After N/A **Hrs.** N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Weathered Gray Shale (continued)			MSPT		19
End of Boring	537.00	-45			
		-50			
		-55			
		-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

REVISION	DATE	BY	REMARKS		
				DESIGNED	PV
				DRAWN	FDL
				REVIEWED	BKC
				APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SOIL AND ROCK CORE BORINGS
STRUCTURE NO. 050-3601
STRUCTURAL SHEET NO. 46 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	68
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		

McCleary Engineering
Solutions You Can Build On
3705 Progress Blvd
Peru, Il 61354
815 780-8486

SOIL BORING LOG

Date 4/3/18

ROUTE FAS 263 (CH-5) DESCRIPTION Retaining Wall NE Quad LOGGED BY TLM

SECTION 14-00763-00-BR LOCATION SE 1/4, **SEC.** 32, **TWP.** 32, **RNG.** 3, 3rd **PM**,
Latitude 41.193, **Longitude** -88.901

COUNTY LaSalle DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. ______
Station ______

BORING NO. RWB-7
Station 26+75
Offset 10.0 ft Lt.
Ground Surface Elev. 583.10 ft

Surface Water Elev. ______ ft
Stream Bed Elev. ______ ft

Groundwater Elev.:
First Encounter 549.1 ft ▼
Upon Completion Caved ft
After N/A Hrs. N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
14" HMA Pavement	581.93		4		
Stiff Brown Silty Clay Loam			4	1.2	15
			5	B	
	580.10				
Stiff Brown Silty Clay			3		
			3	1.7	17
		-5	4	B	
			2		
			2	2.1	19
			3	B	
			3		
			5	2.3	15
		-10	7	B	
			2		
			3	1.9	18
			4	B	
	570.10				
Medium Dense Very Fine Brown Sand & Silt w/ some clay			4		
			2	1.5	15
		-15	3	P	
			3		
			2	1.5	16
			3	P	
			3		
			3	1.5	17
		-20	3	P	

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium Dense Very Fine Brown Sand & Silt w/ some clay *(continued)*			3		
			3	1.0	13
			3	P	
			3		
			3	2.0	13
		-25	3	P	
			3		
			2	1.0	17
			3	P	
			3		
			3	1.0	14
		-30	4	P	
			3		
			3	-	16
			4		
	549.10 ▼		3		
Very Fine to fine Loose Gray Sand			2	-	20
		-35	3		
			1		
			2	-	20
			3		
			1		
	543.60		1	-	24
Hard Weathered Gray Shale	543.10	-40	100/5"		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

McCleary Engineering
Solutions You Can Build On
3705 Progress Blvd
Peru, Il 61354
815 780-8486

ROCK CORE LOG

Date 4/3/18

ROUTE FAS 263 (CH-5) DESCRIPTION Retaining Wall NE Quad LOGGED BY TLM

SECTION 14-00763-00-BR LOCATION , **SEC.** , **TWP.** , **RNG.** ,
Latitude , **Longitude**

COUNTY LaSalle CORING METHOD Wireline

STRUCT. NO. ______
Station ______

BORING NO. RWB-7
Station 26+75
Offset 10.0 ft Lt.
Ground Surface Elev. ______ ft

CORING BARREL TYPE & SIZE NQ
Core Diameter 2 in
Top of Rock Elev. ______ ft
Begin Core Elev. ______ ft

Description	DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
Fractured Gray Limestone, wood in core barrel		1	66	0		290.0
Black Slate w/ thin laminations of limestone						
No Recovery, ran out of water						
End of Boring						
	-45					
	-50					
	-55					
	-60					

ROCK CORE SANDY FORD BRIDGE 2018.GPJ IL_DOT.GDT 4/24/18

Color pictures of the cores ______
Cores will be stored for examination until ______
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

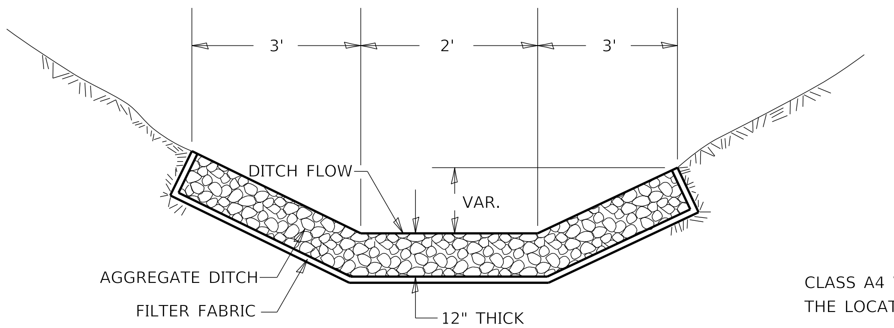
SOIL AND ROCK CORE BORINGS
STRUCTURE NO. 050-3601

STRUCTURAL SHEET NO. 47 OF 47 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	69

WHA# 1160D14 CONTRACT NO. 87692
ILLINOIS FED. AID PROJECT 2MQY(061)

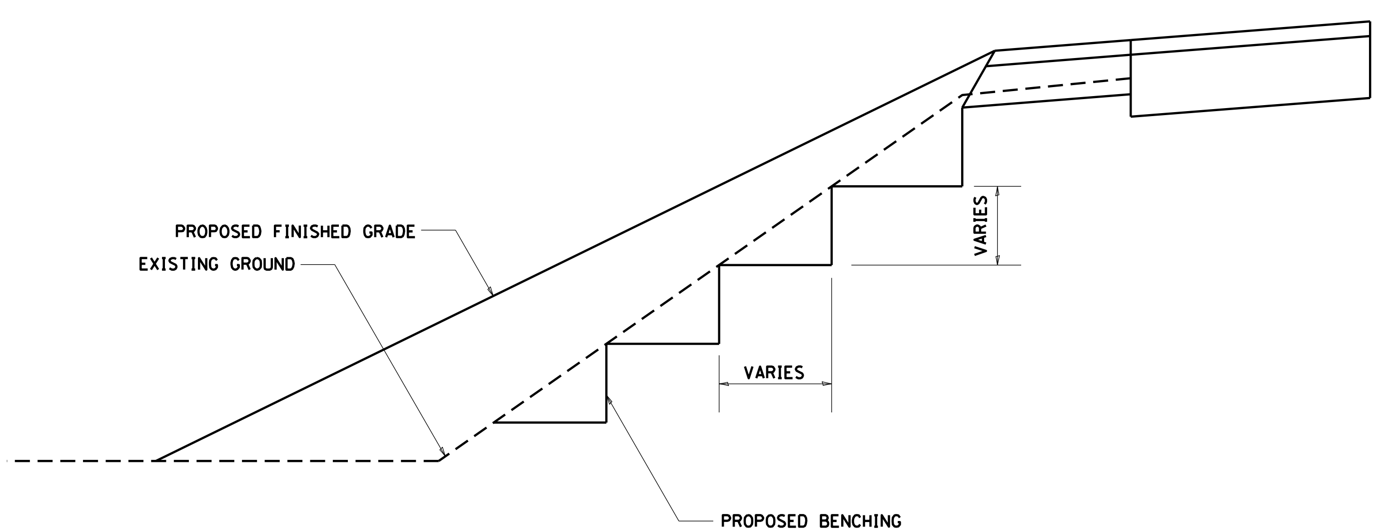
AGGREGATE DITCH FOR FLEXIBLE DITCH LINING



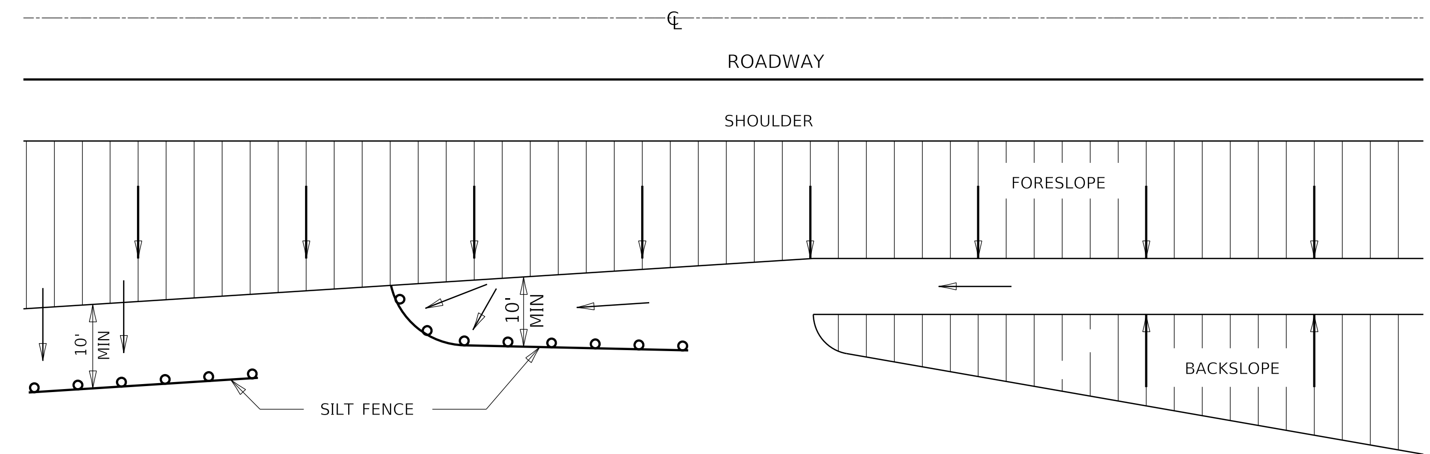
CLASS A4 WILL BE REQUIRED ON THIS PROJECT AT THE LOCATION SHOWN ON THE PLANS.

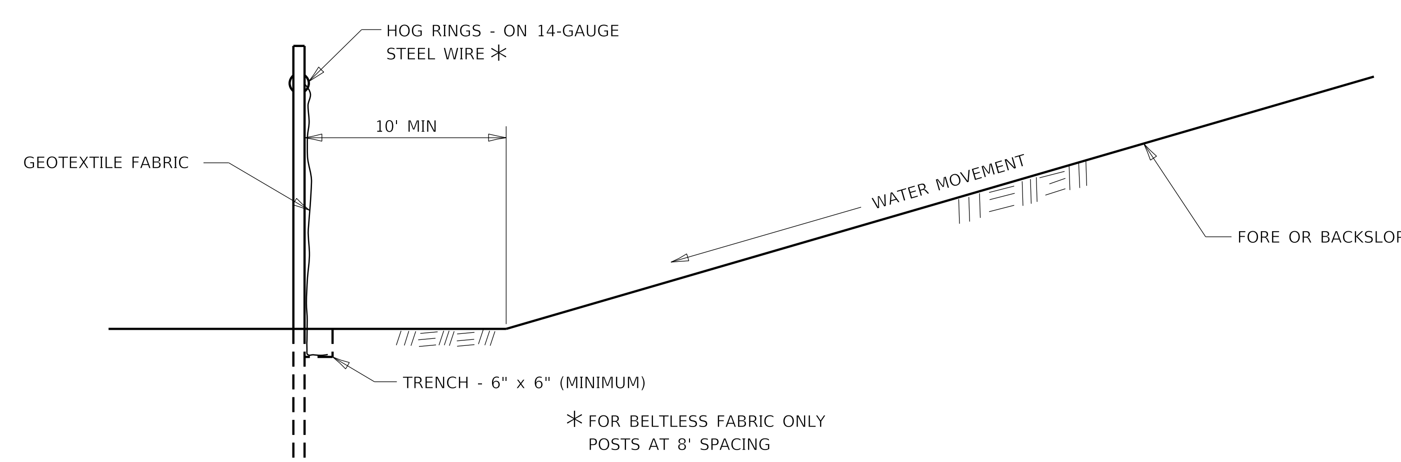
THIS WORK SHALL BE DONE ACCORDING TO SECTION 283 OF THE STANDARD SPECIFICATION. AGGREGATE DITCH WILL BE MEASURED FOR PAYMENT IN PLACE AND THE AREA COMPUTED IN TON OF ACTUAL SURFACE AREA. AGGREGATE DITCH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR AGGREGATE DITCH. THE FILTER FABRIC AND BEDDING STONE SHALL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PAY ITEM AGGREGATE DITCH.

TYPICAL BENCHING ON EXISTING EMBANKMENT



EROSION CONTROL DETAILS FOR SILT FENCE





DETAILS OF SILT FENCE

REVISION	DATE	BY	REMARKS

DESIGNED	GFS
DRAWN	GBG
REVIEWED	LGN
APPROVED	GFS

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SPECIAL DETAILS

SHEET NO. 1 OF 2 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	70
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		

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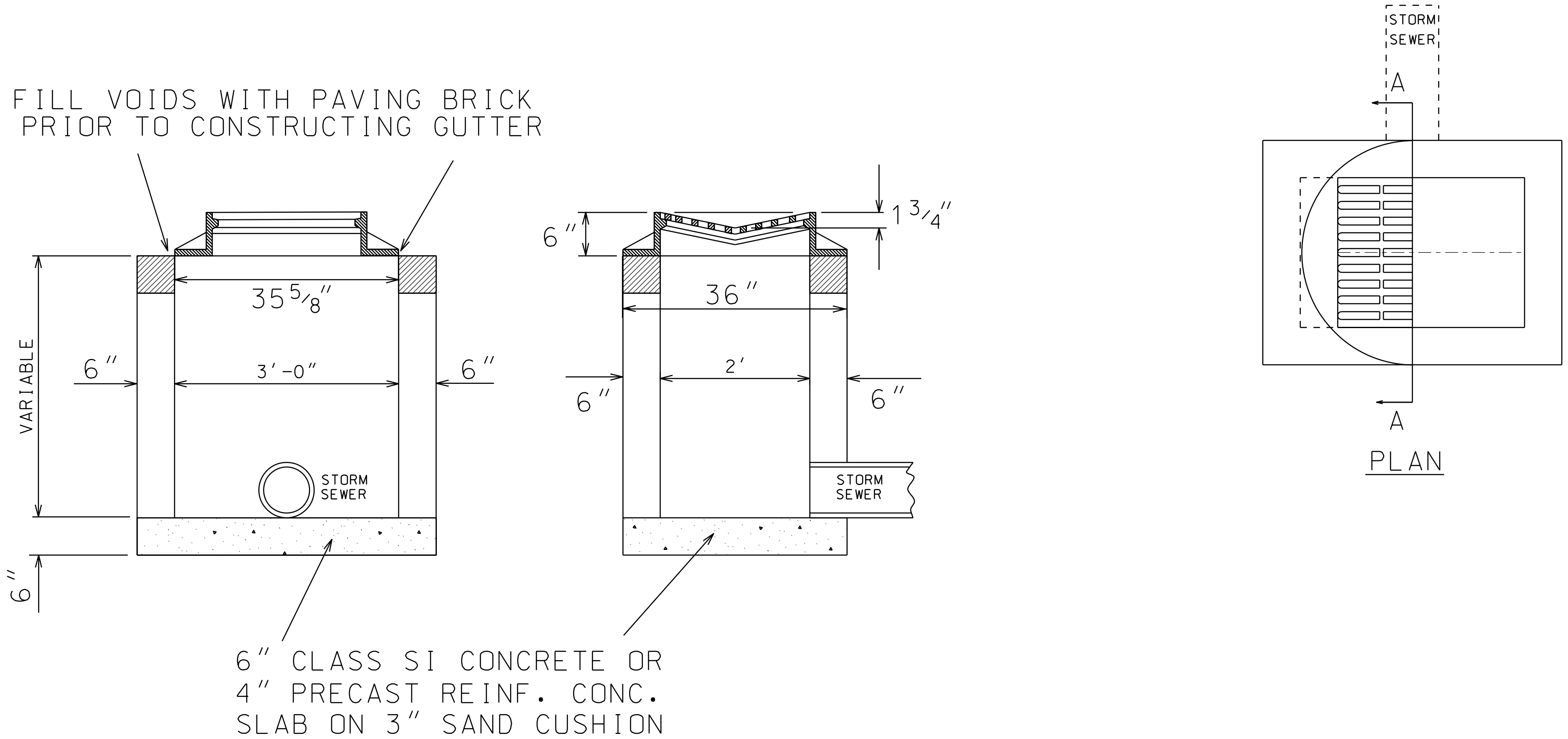
INLETS, SPECIAL



PLAN

LONGITUDINAL SECTION

SECTION A-A

NOTES:

INLET SPECIAL WITH FRAME AND GRATE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.
THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL WITH FRAME AND GRATE SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING THE INLET WITH SAND CUSHION IF REQUIRED.
CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED THROUGHOUT.
THE SIDEWALLS MAY BE BUILT AS PRECAST SEGMENTAL SECTIONS.
THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 6" SHORT TO ALLOW FOR FIELD ADJUSTMENTS.
THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.
FRAME AND GRATE TO BE HEAVY DUTY
(NEENAH R-3508-B W/TYPE C GRATE OR APPROVED EQUAL)

REVISION	DATE	BY	REMARKS

DESIGNED GFS
DRAWN GBG
REVIEWED LGN
APPROVED GFS

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

SPECIAL DETAILS

SHEET NO. 2 OF 2 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	71

WHA# 1160D14 — CONTRACT NO. 87692
ILLINOIS FED. AID PROJECT 2MQY(061)

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK NO., BY, DATE
PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK NO., BY, DATE

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CROSS SECTION EARTHWORK
STATE OF ILLINOIS

F.A.S. 263 (C.H. 5)

STATION	CUT (SQ FT)	FILL (SQ FT)
10+50.00	77.44	9.35
11+00.00	80.91	8.45
11+50.00	102.33	10.52
12+00.00	89.13	13.74
12+50.00	81.91	18.54
13+00.00	62.12	31.11
13+50.00	27.26	61.98
14+00.00	75.69	126.08
14+50.00	34.41	411.39
15+00.00	41.06	494.88
15+50.00	27.73	488.98
16+00.00	20.89	499.07
16+50.00	22.54	525.48
17+00.00	25.04	584.83
17+31.09	23.71	659.58
17+50.00	20.74	714.80
18+00.00	18.49	861.04
18+50.00	18.73	1,009.82
18+61.72	87.64	1,265.38
18+62.00	0.00	0.00
STRUCTURE (BRIDGE) EXCAVATION		
21+50.00	0.00	0.00
21+60.00	203.61	449.26
21+70.00	205.43	447.09
21+80.00	205.87	446.62
21+90.00	207.47	447.02
22+00.00	206.07	447.66

CROSS SECTION EARTHWORK
STATE OF ILLINOIS

F.A.S. 263 (C.H. 5)

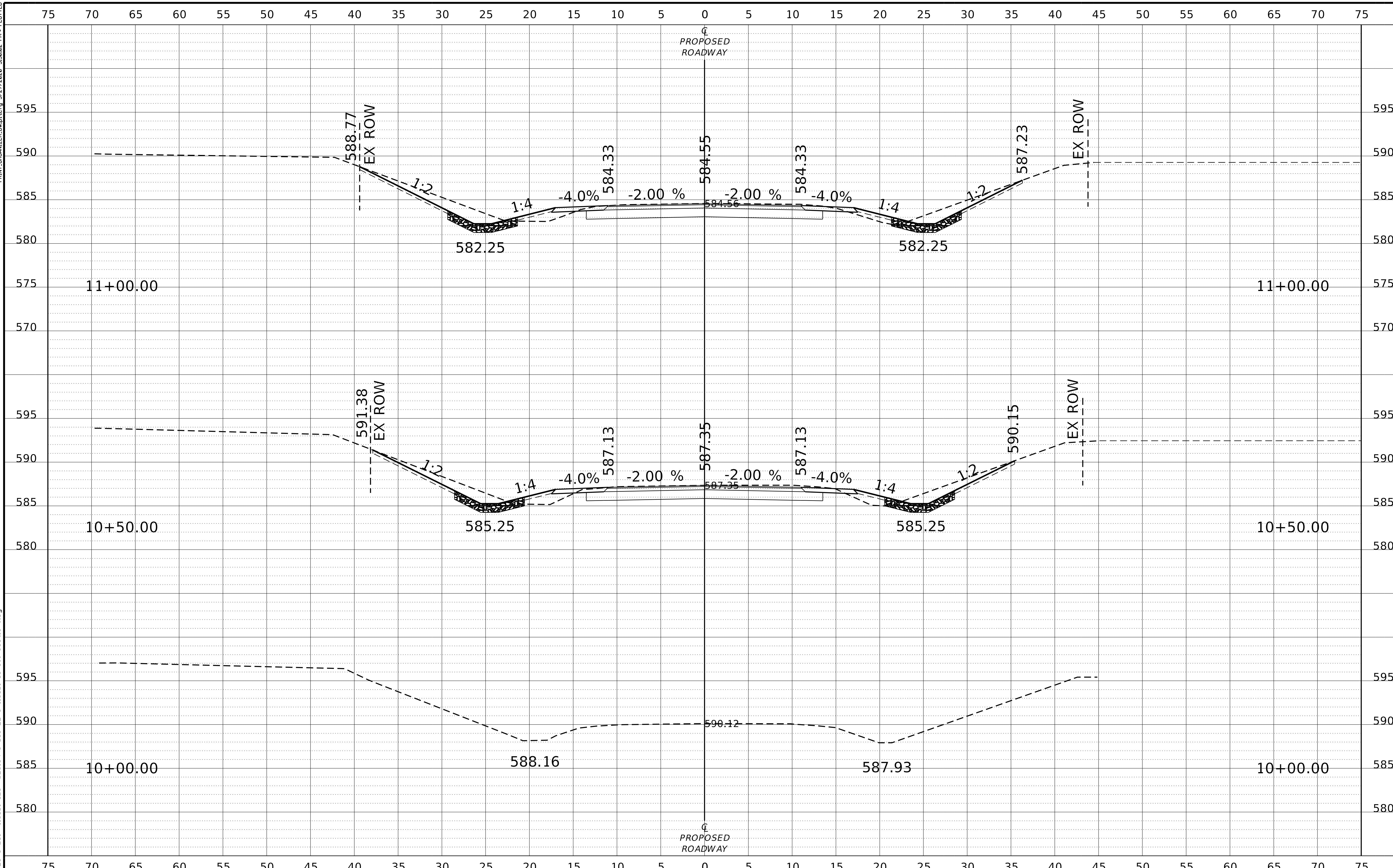
STATION	CUT (SQ FT)	FILL (SQ FT)
22+10.00	204.09	447.09
22+20.00	202.68	446.68
22+30.00	203.72	446.62
22+40.00	203.85	447.09
22+50.00	203.51	447.86
22+60.00	210.29	448.62
22+70.00	217.61	450.62
22+80.00	225.80	452.28
23+00.00	235.98	448.68
23+03.14	0.00	232.23
23+50.00	0.00	191.62
23+75.06	0.00	164.41
24+00.00	0.00	140.60
24+50.00	7.10	100.37
25+00.00	46.06	87.44
25+50.00	78.18	85.31
26+00.00	99.31	89.38
26+25.06	85.97	67.47
26+50.00	95.81	69.43
26+75.00	103.96	68.63
26+87.50	108.53	128.54
27+00.00	131.13	92.17
27+25.00	113.08	12.39
27+50.00	79.54	6.07
28+00.00	149.03	11.37
28+50.00	57.63	3.92
29+00.00	81.42	4.32
29+50.00	113.74	4.19
29+85.00	1.87	0.45
30+00.00	0.00	0.00

ADDITIONAL FILL MATERIAL POTENTIALLY AVAILIABLE FROM STRUCTURE AND SLOPE PROTECTION RIPRAP EXCAVATION.

STRUCTURE = 458 CUYD

SLOPE PROTECTION = 2,242 CUYD

MATERIAL TO BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO USE. REFER TO SPECIAL PROVISONS FOR FURTHER DETAILS.



REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 02 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	73
WHA# 1160D14		CONTRACT NO. 87692		
ILLINOIS	FED. AID PROJECT 2MQY(061)			

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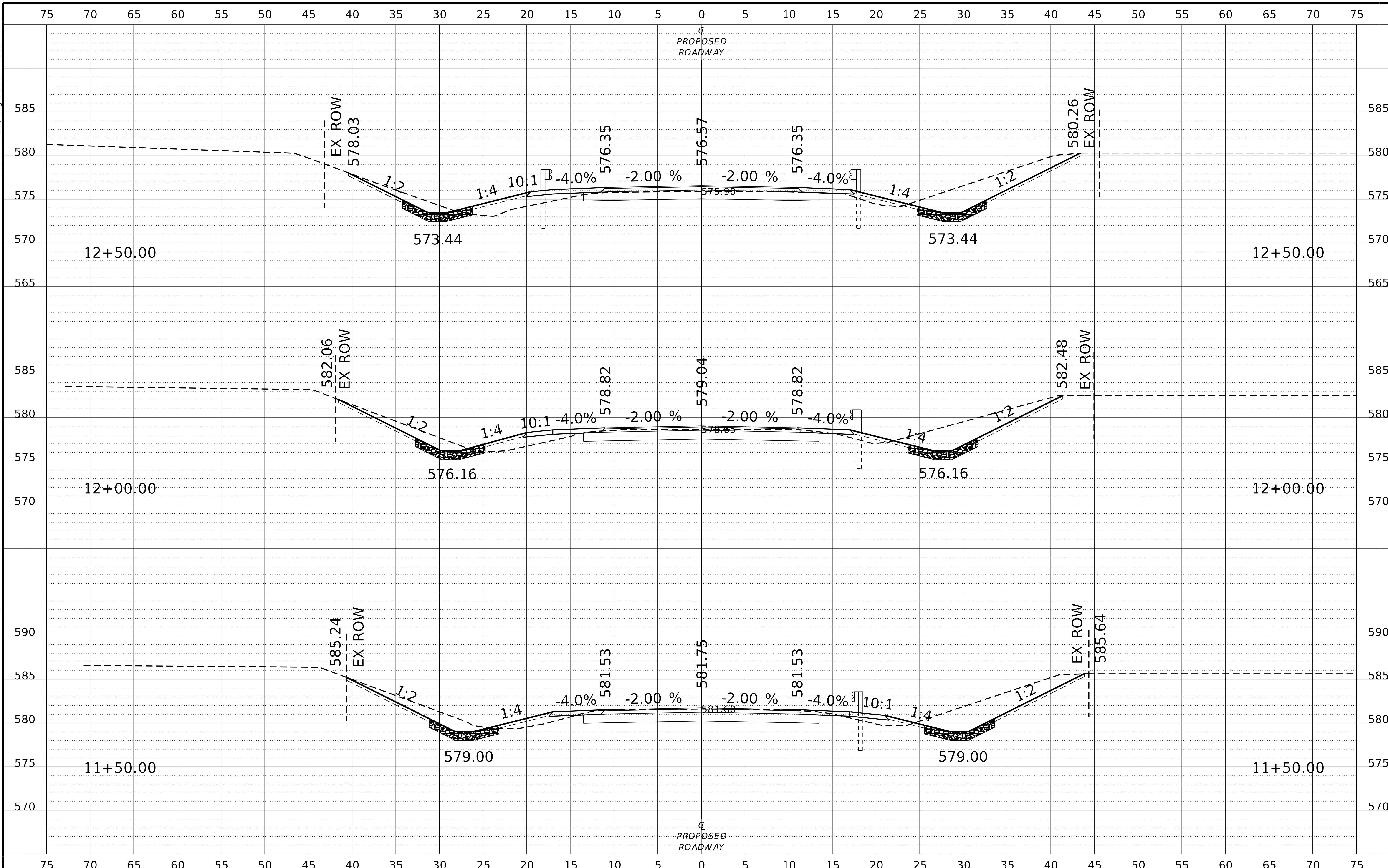

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 03 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	74
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

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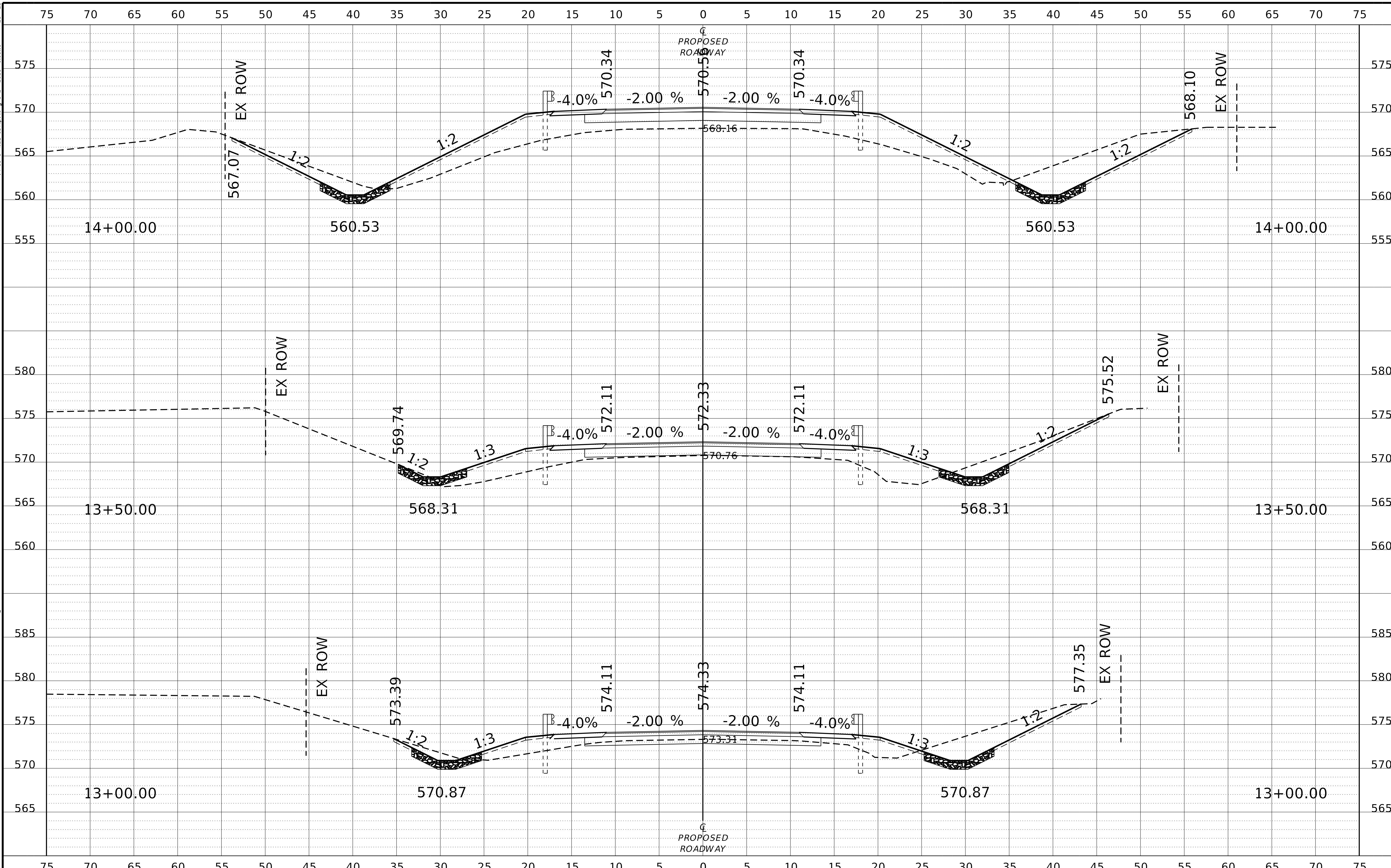

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 04 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	75
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

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

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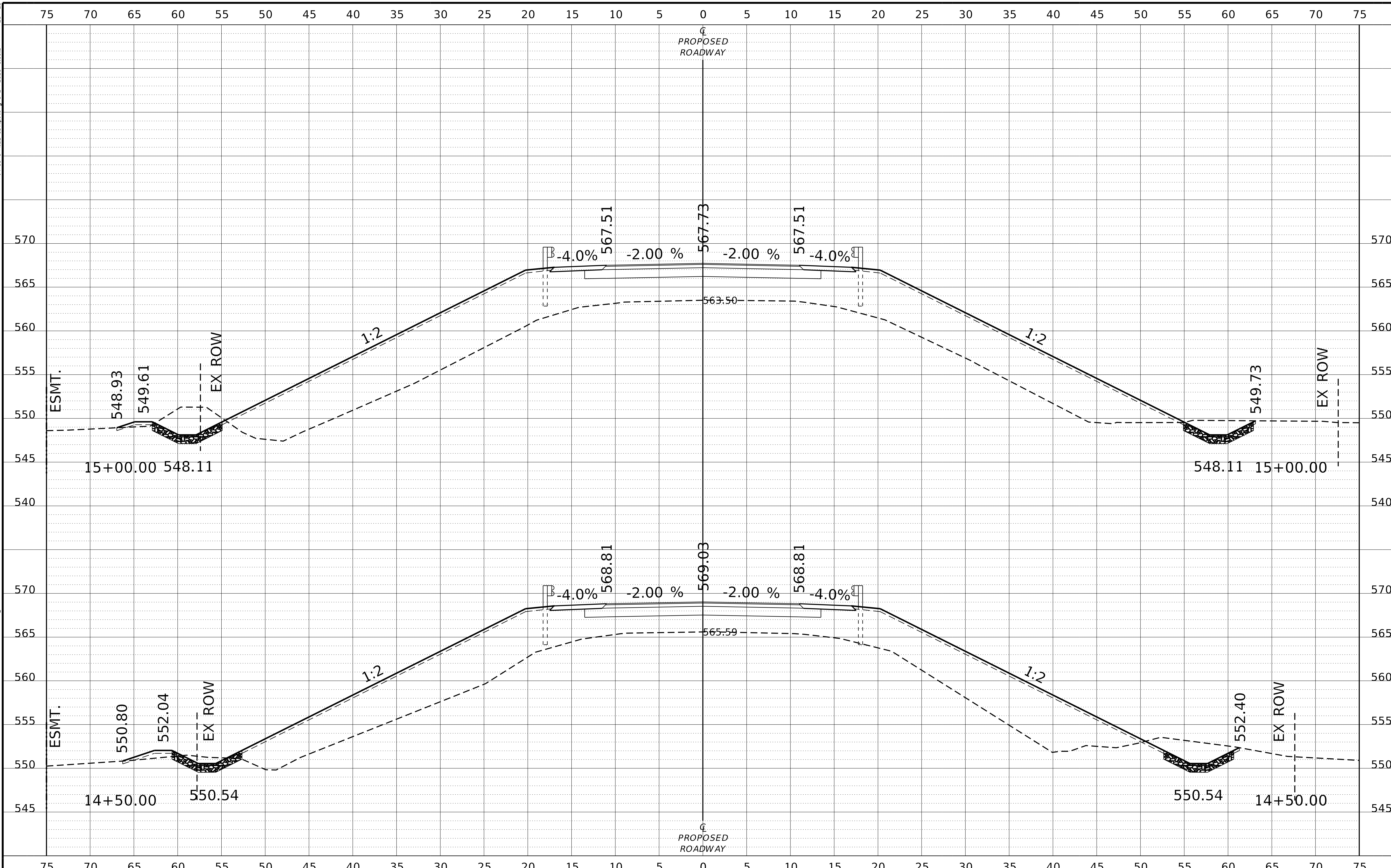

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 05 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	76
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT	2MQY(061)	

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

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

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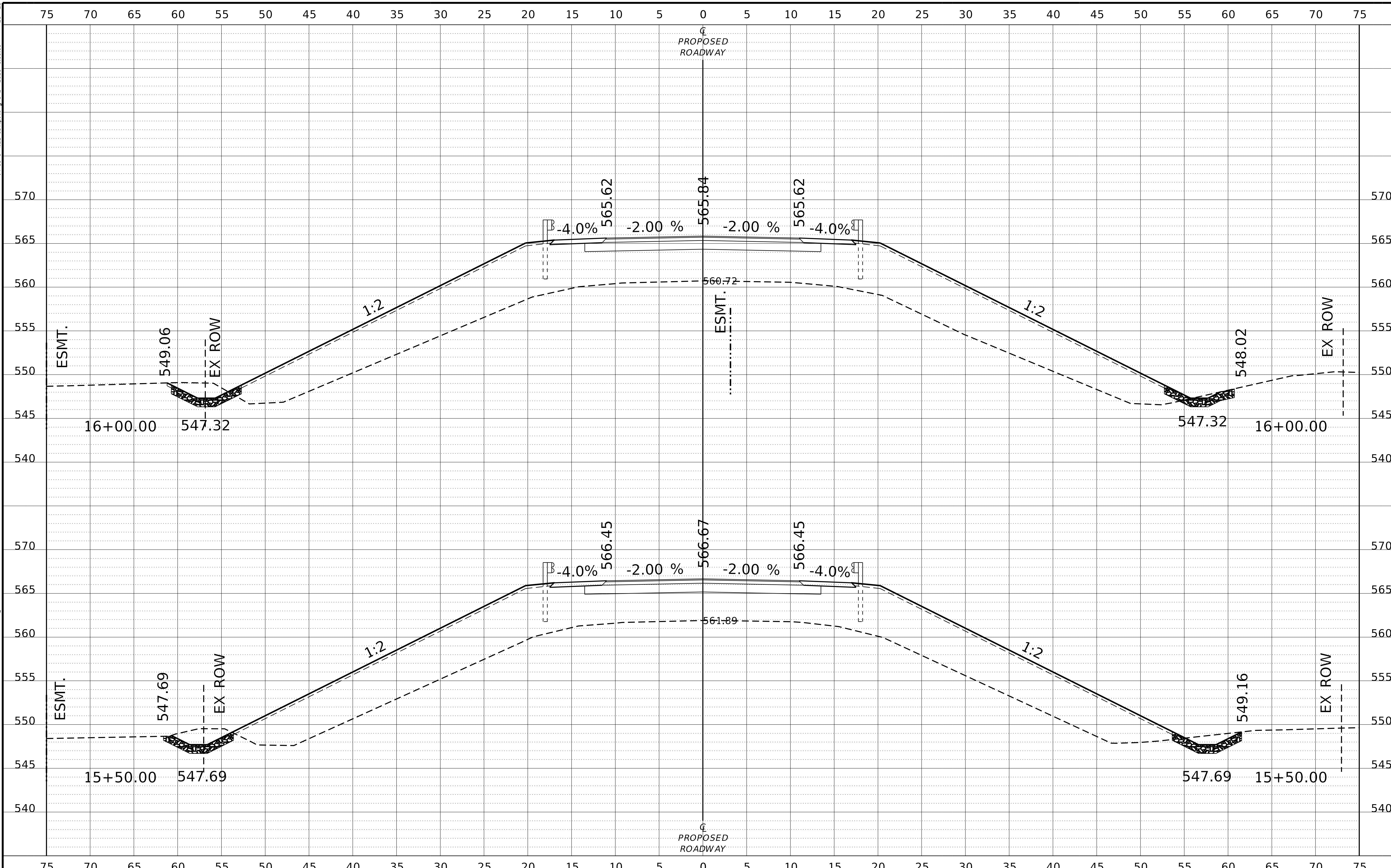

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

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ENGINEERING ARCHITECTURE LAND SURVEYING
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T: 815-284-3381 DESIGN FIRM: #184-000918

CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 06 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	77
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT 2MQY(061)		

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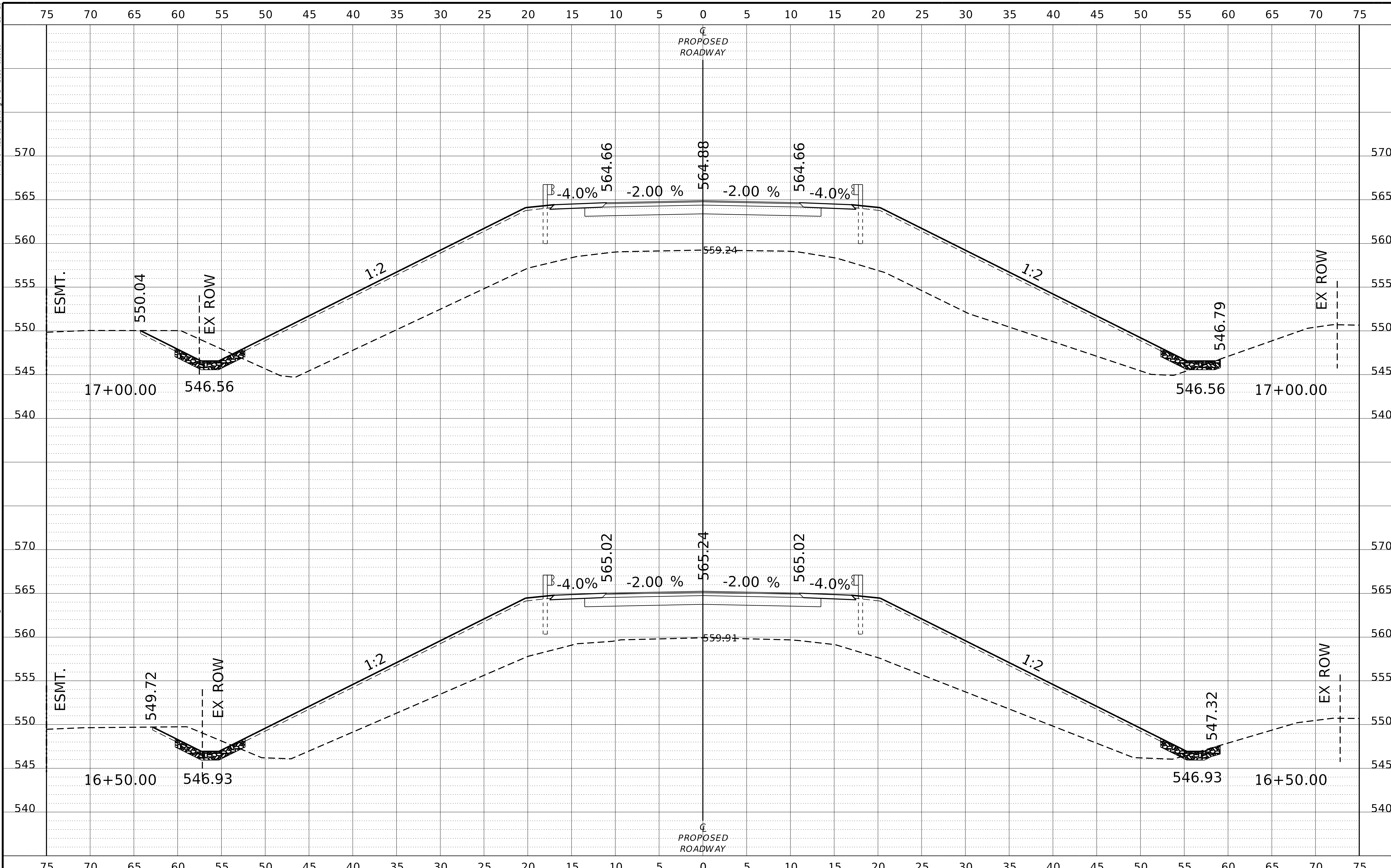

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 07 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	78
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT	2MQY(061)	

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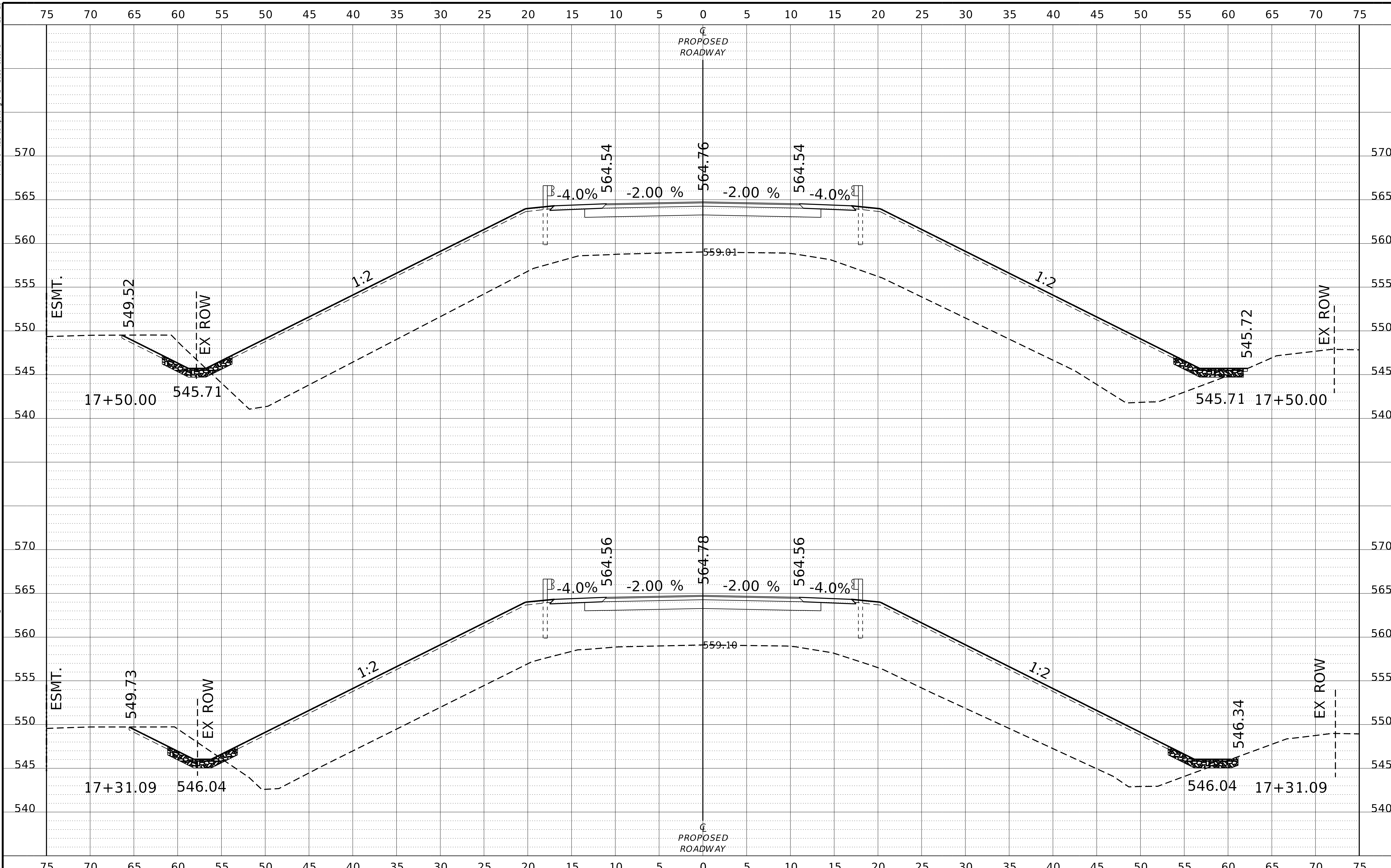

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ORIGINAL SURVEY: NO. — NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

CROSS SECTIONS
COUNTY HIGHWAY 5
CROSS SECTION SHEET NO. 08 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	79
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

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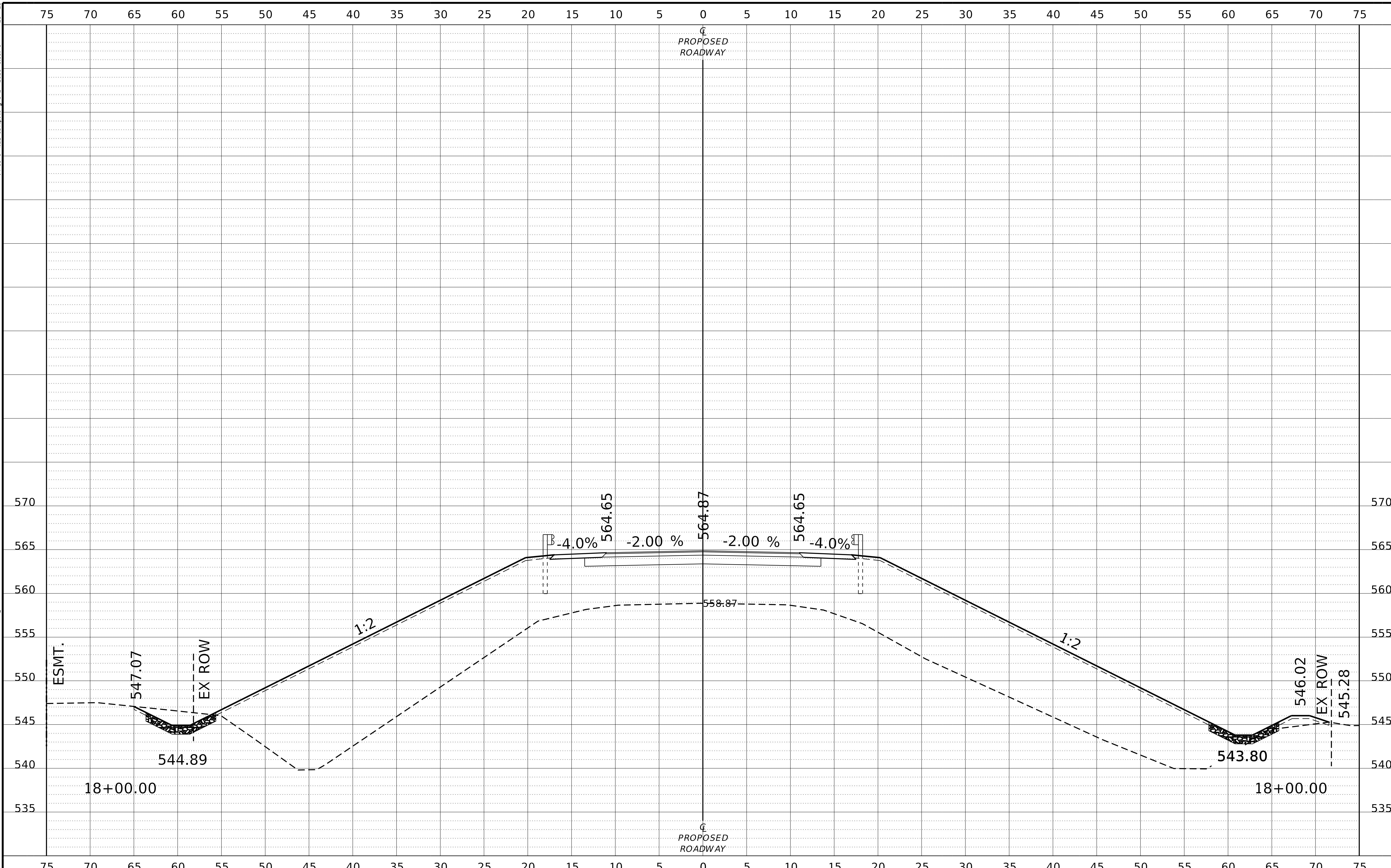
SURVEYED	BY	DATE
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		



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

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
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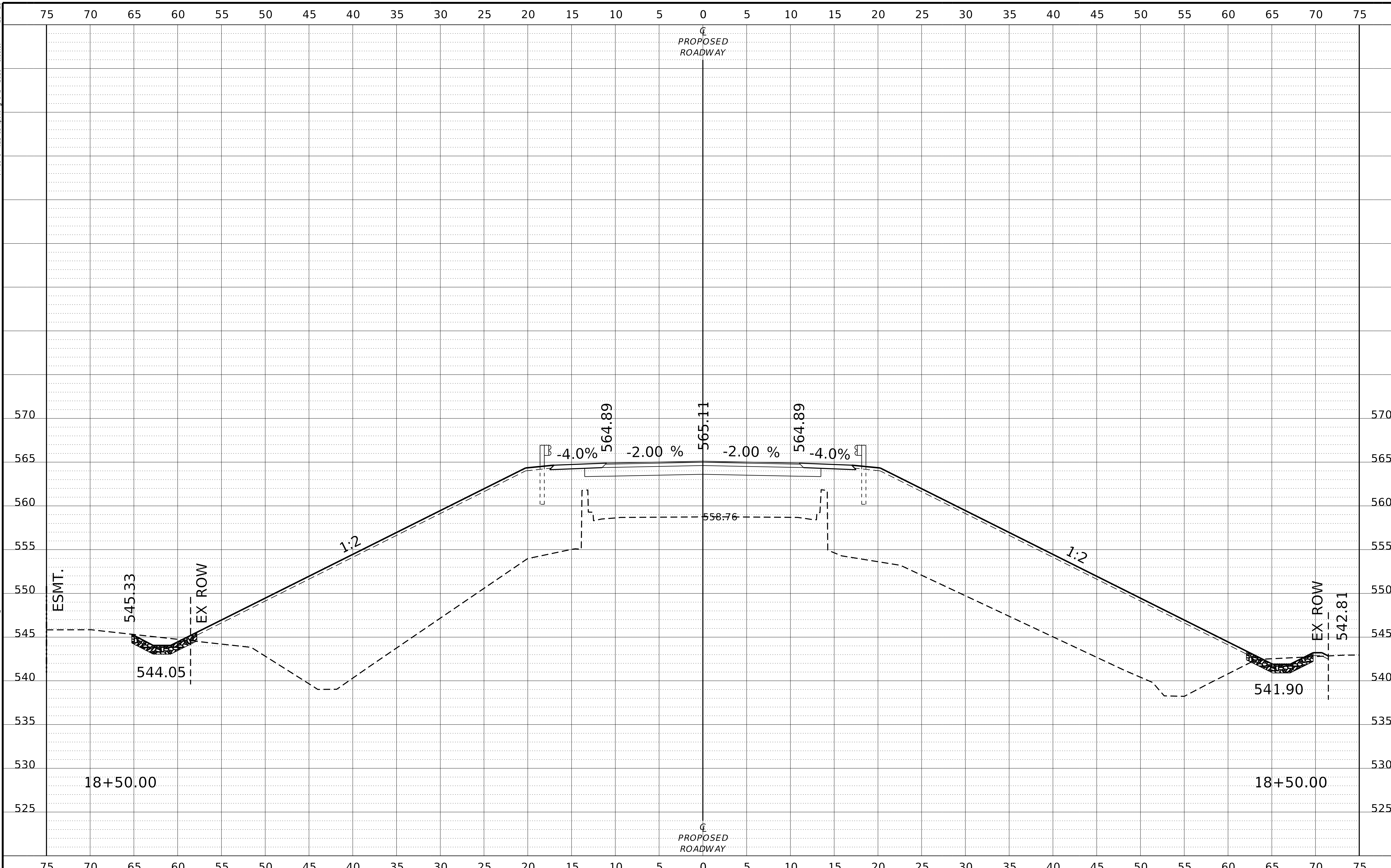
CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 09 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	80
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT 2MQY(061)		



REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 10 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	81
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

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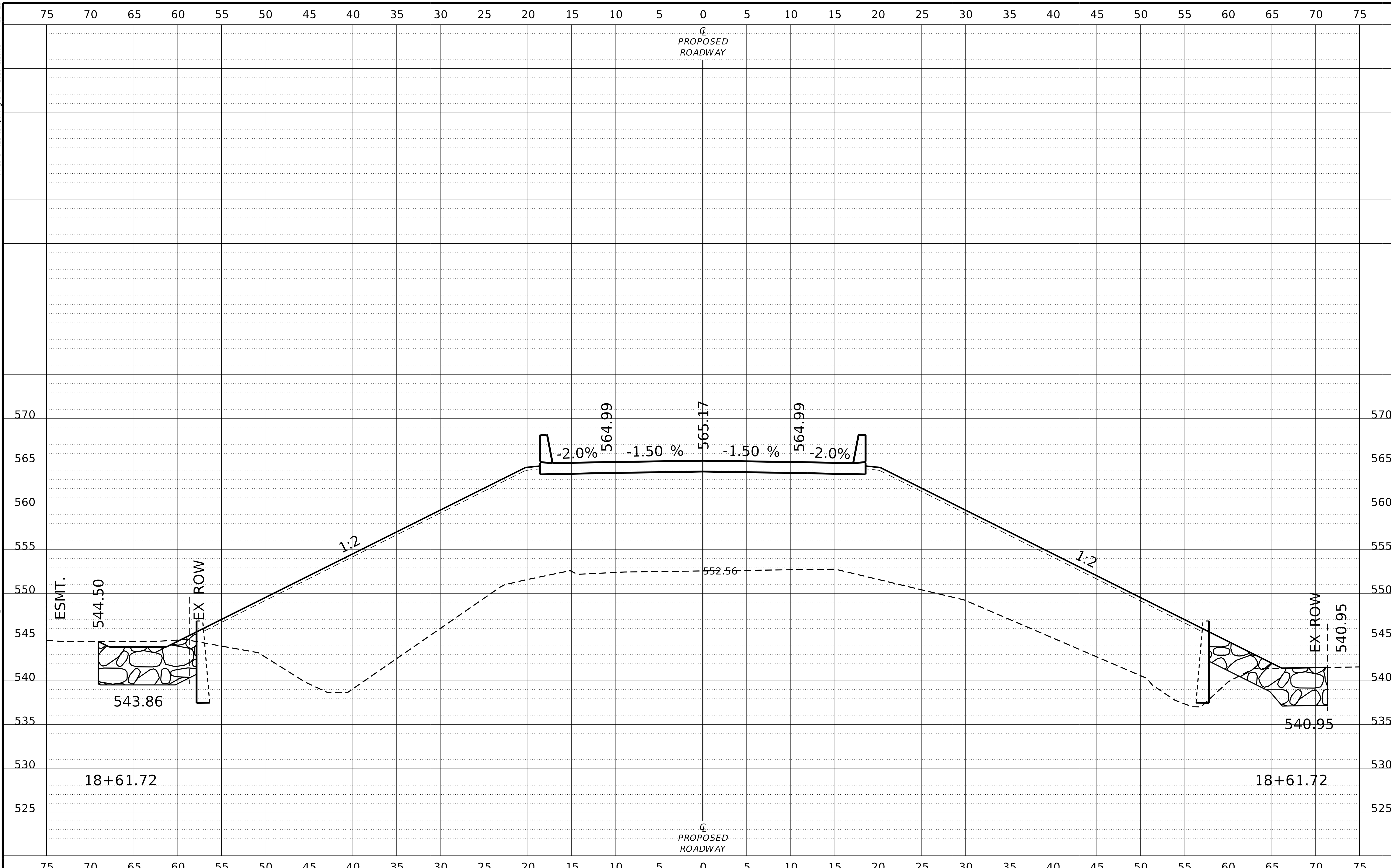
ORIGINAL SURVEY	NOTE BOOK NO.	SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED	BY	DATE



REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

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ENGINEERING ARCHITECTURE LAND SURVEYING
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 11 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	82
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

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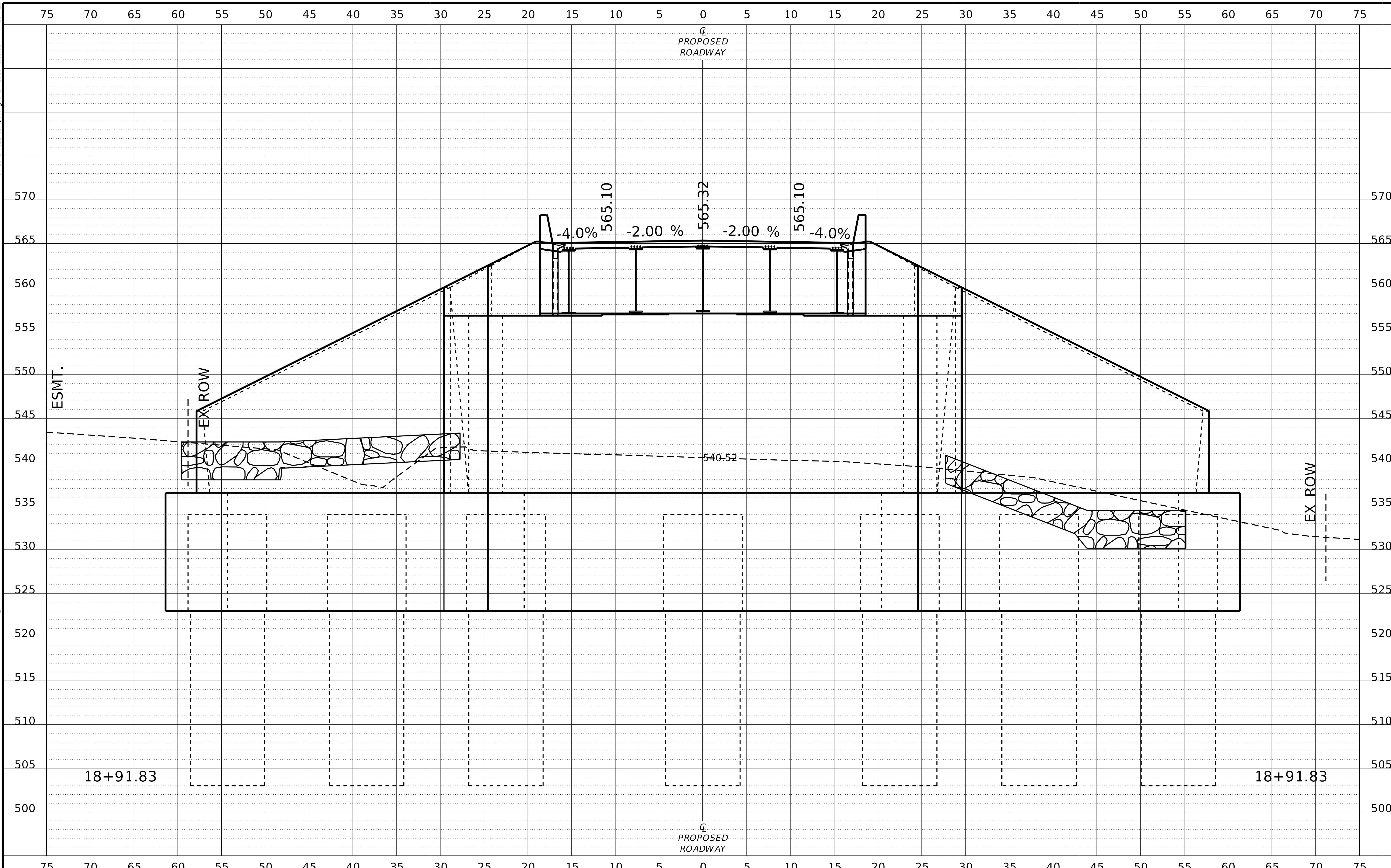

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 12 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	83
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

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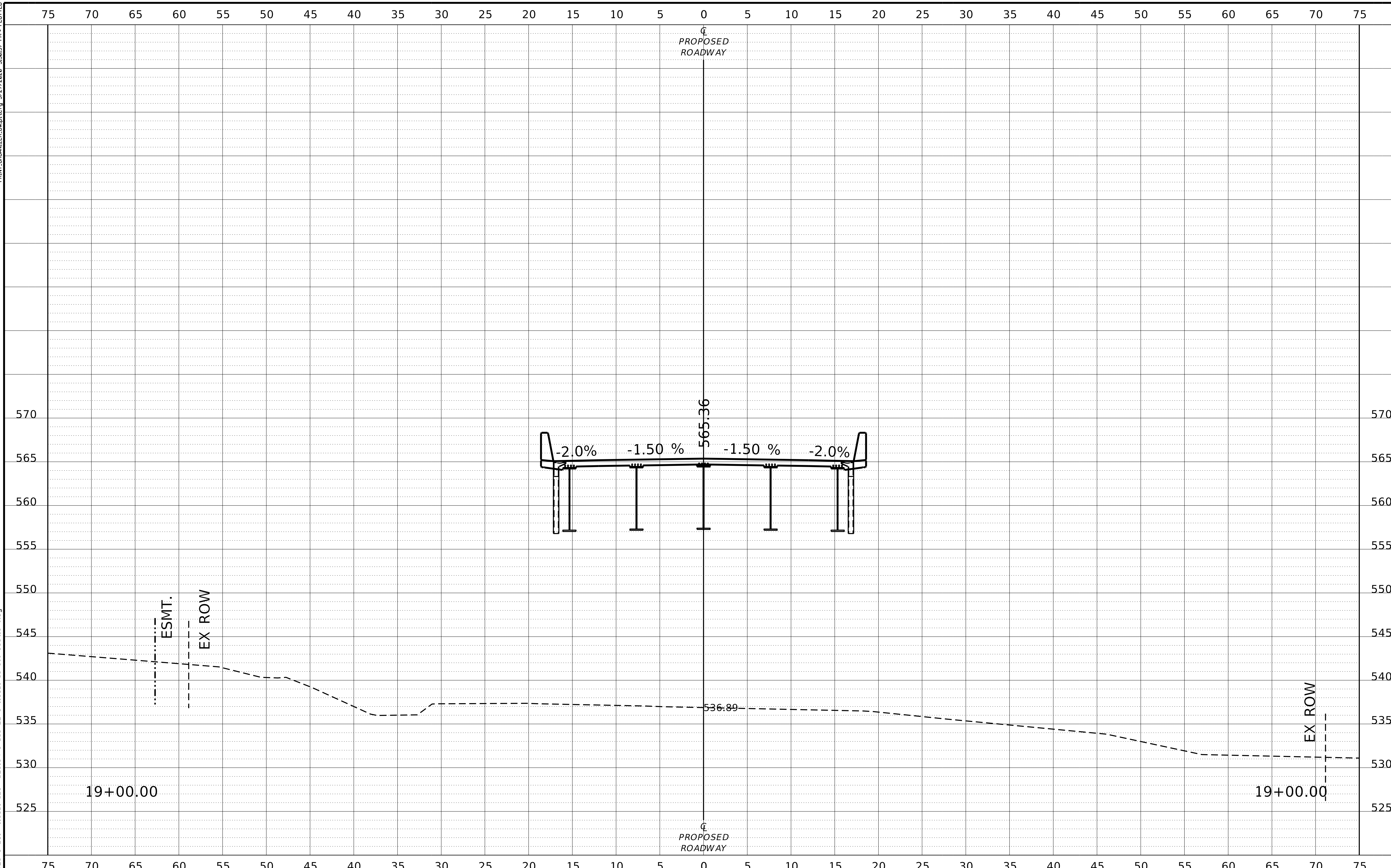

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ORIGINAL SURVEY	NOTE BOOK	NO.	SURVEYED	PLOTTED	TEMPLATE	AREAS	AREAS CHECKED	BY	DATE

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 13 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	84
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

FINAL SURVEY	
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PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
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DATE	

ORIGINAL SURVEY	
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NOTE BOOK	
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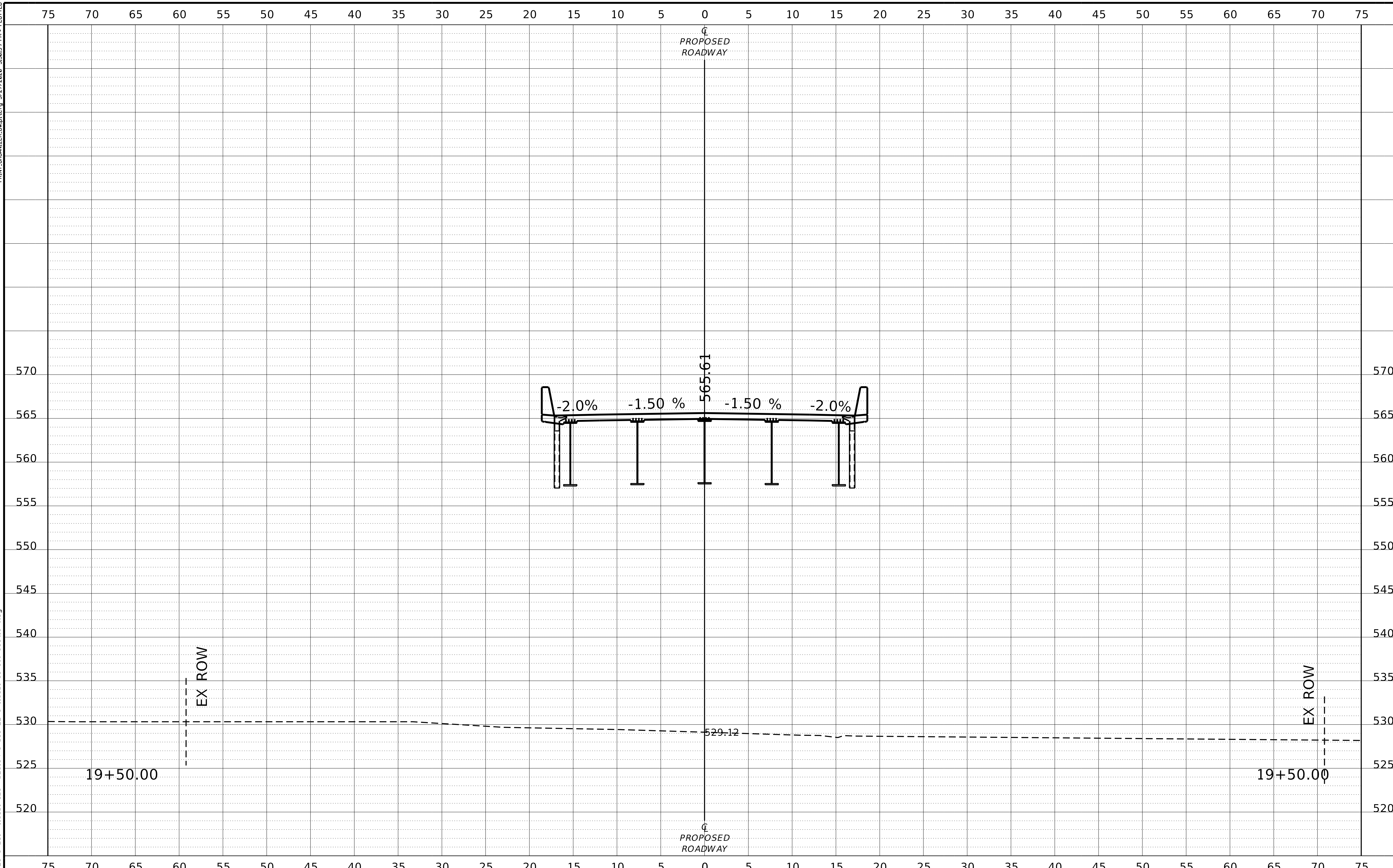

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 14 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	85
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		

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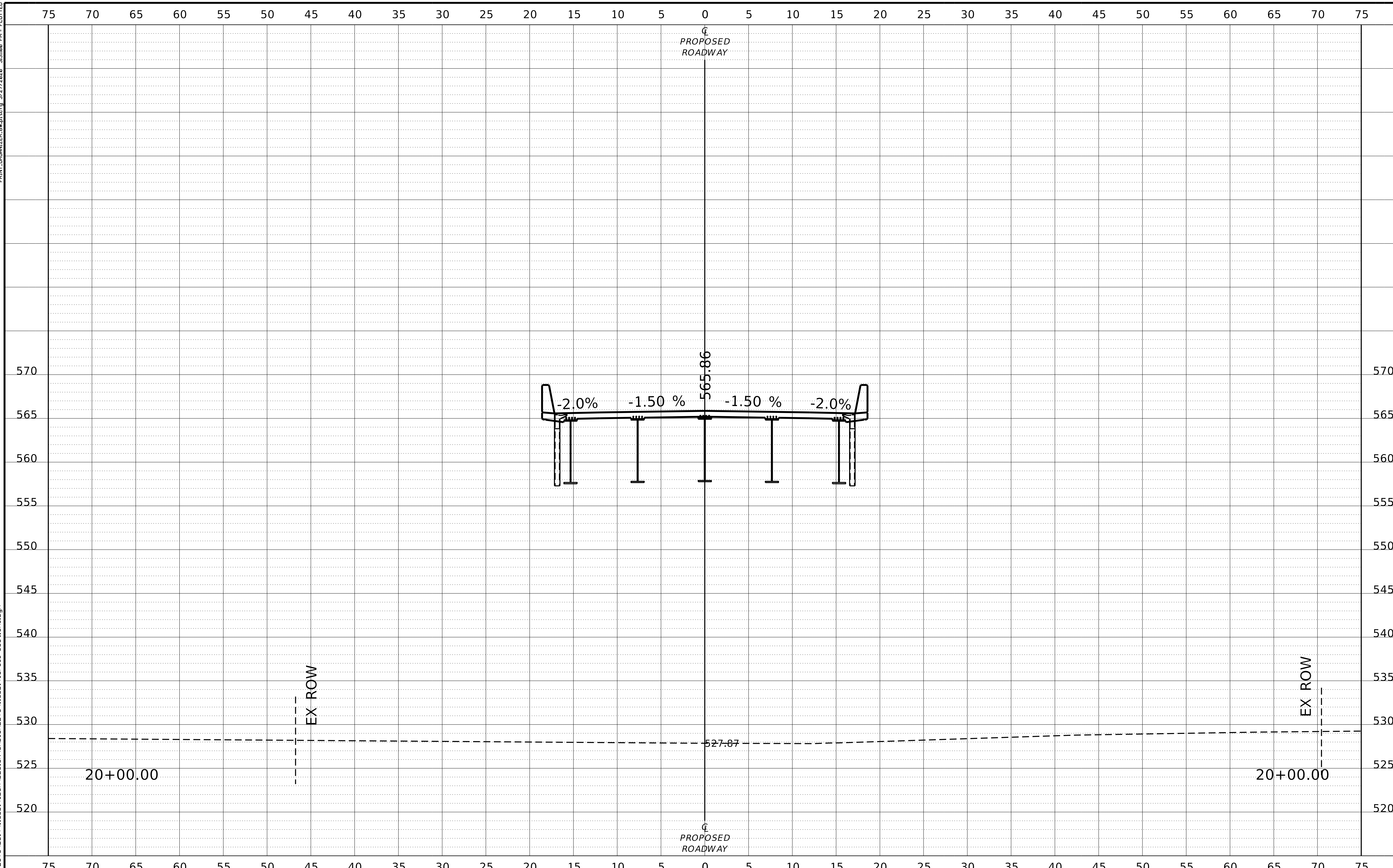

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REVISION	DATE	BY	REMARKS

DESIGNED	PV
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APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
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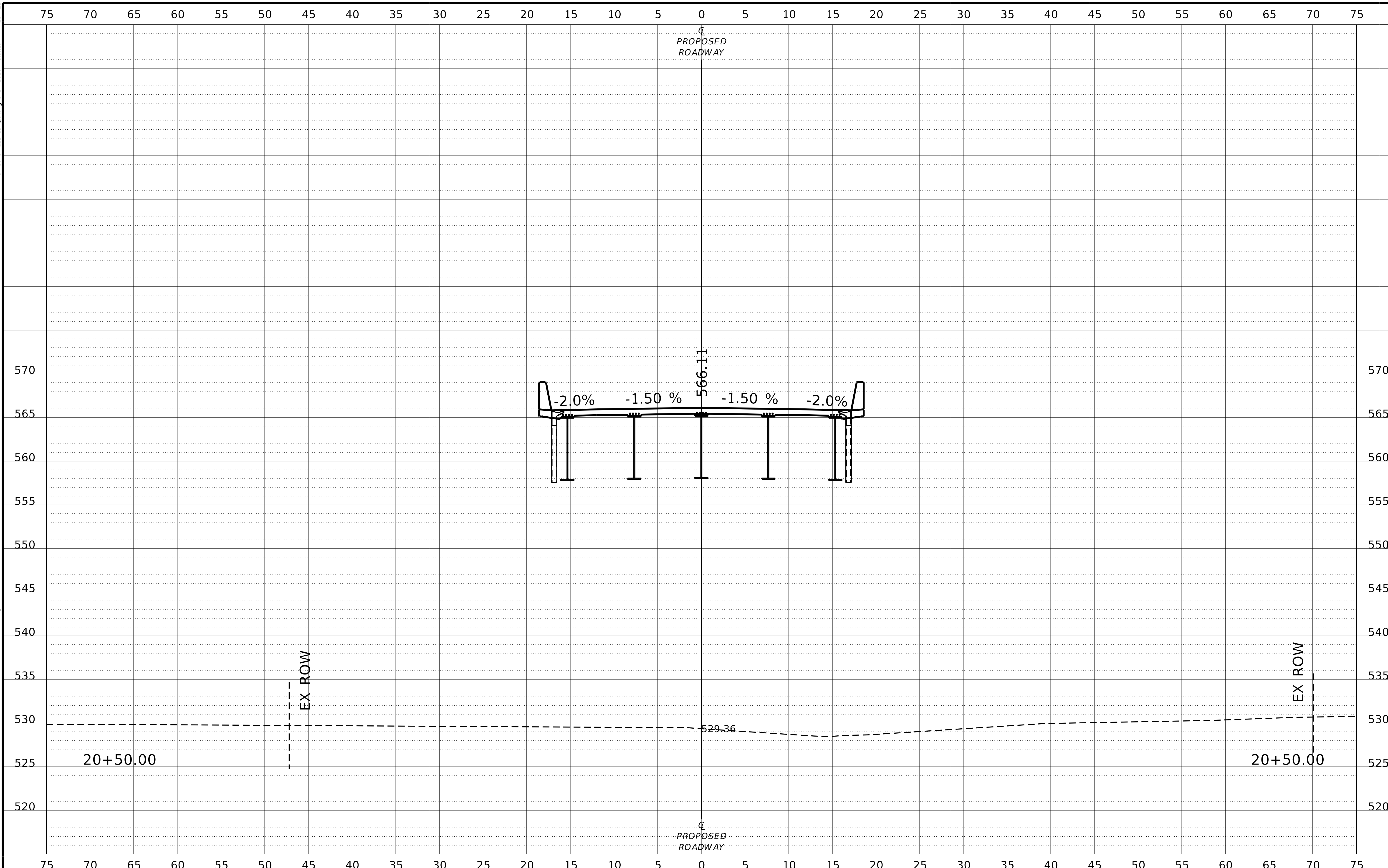
CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 15 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	86
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT 2MQY(061)	



REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 16 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	87
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		

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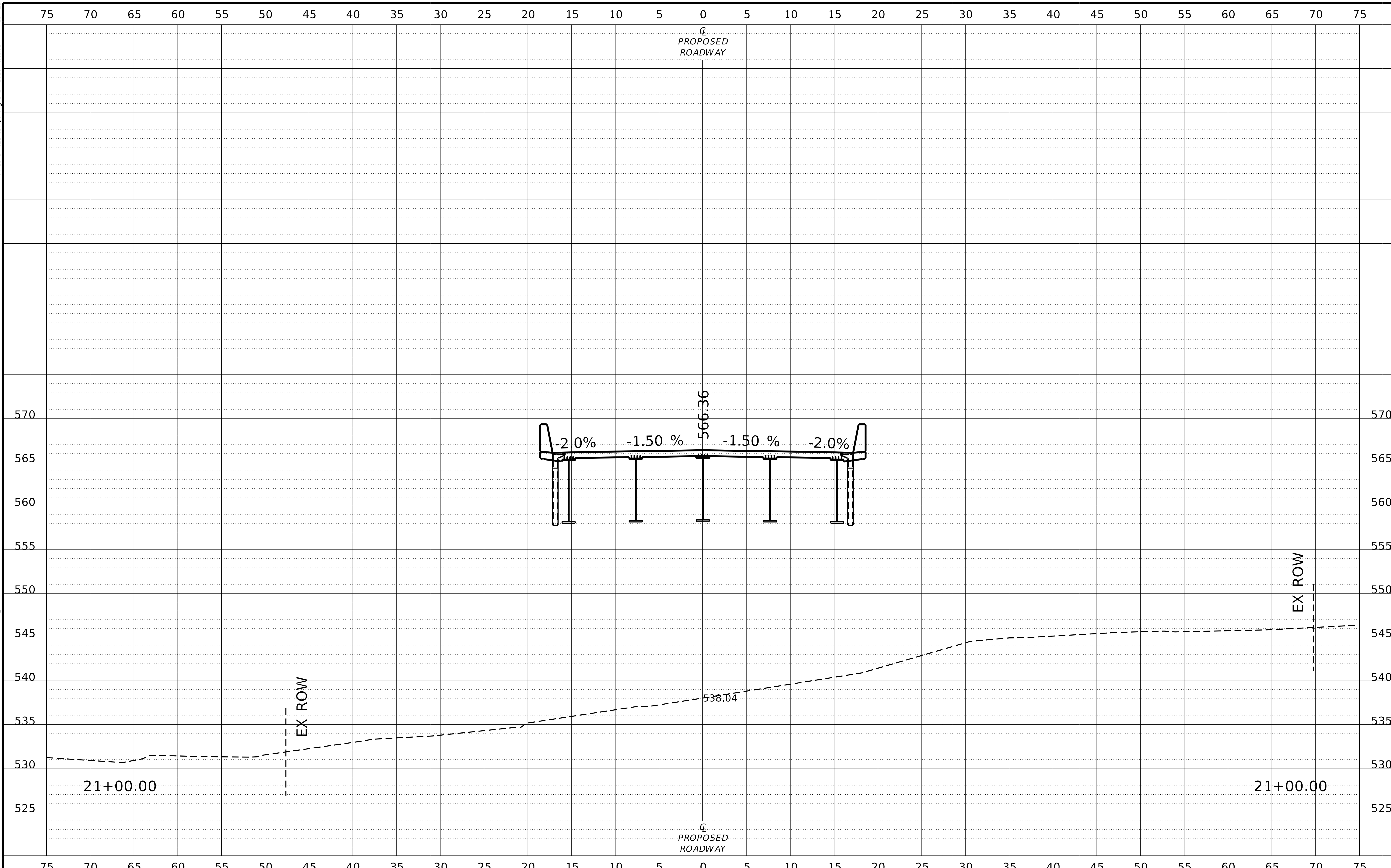
ORIGINAL SURVEY: NOTE BOOK, NO., SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED, BY, DATE



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LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
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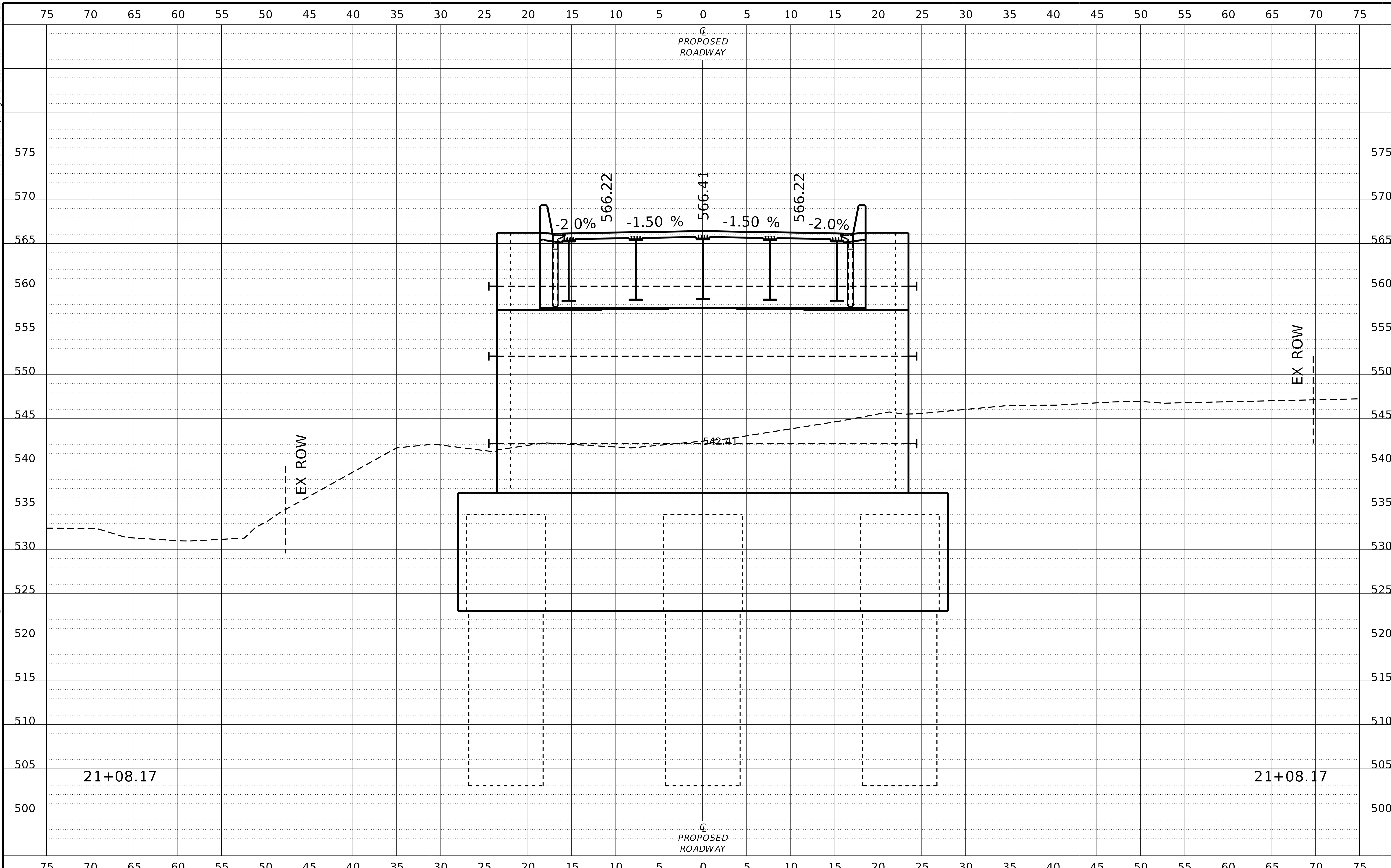
CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 17 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	88
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)



REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 18 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	89
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT 2MQY(061)		

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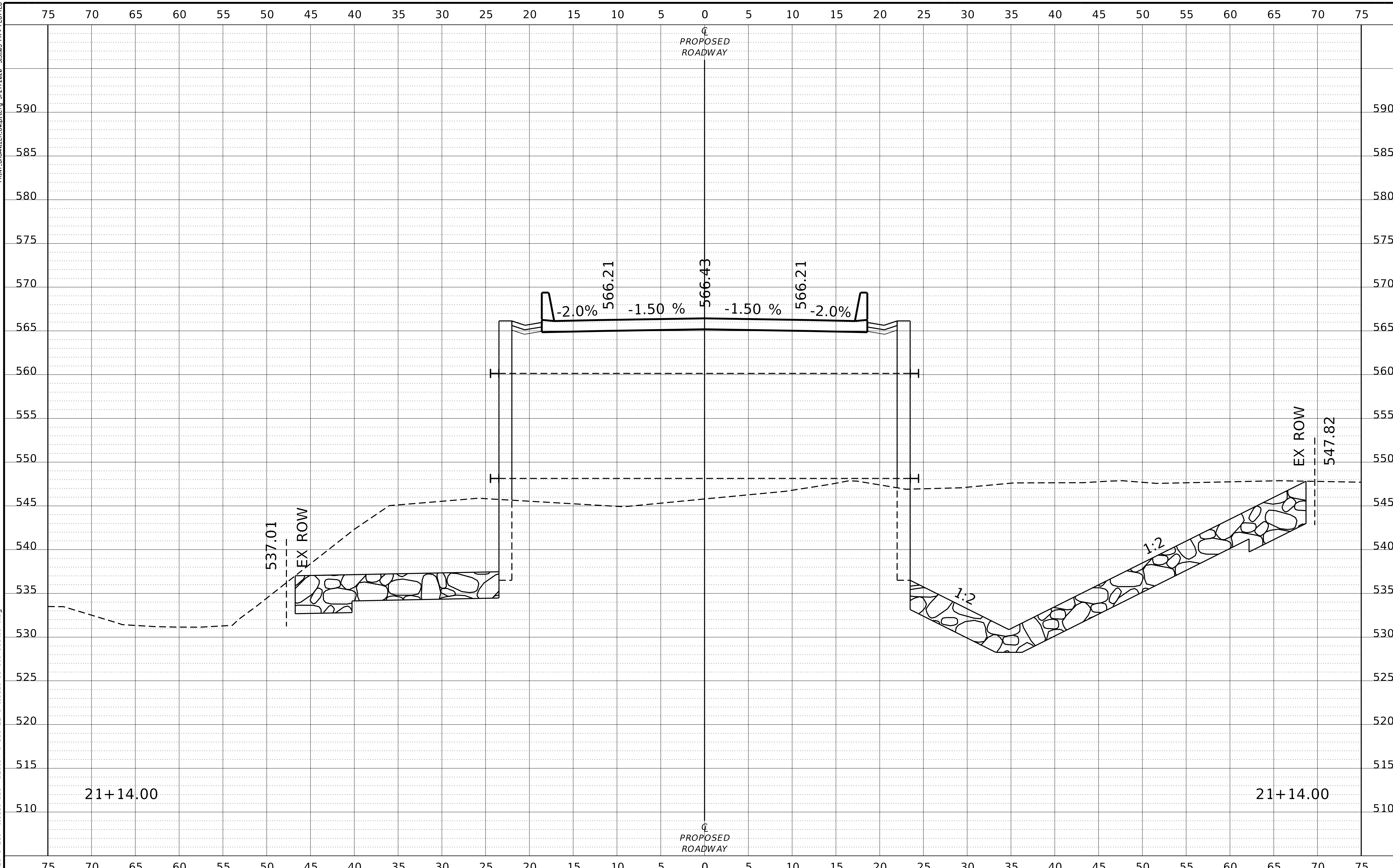
ORIGINAL SURVEY	NOTE BOOK NO.	SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED	BY	DATE



REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 19 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	90
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

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

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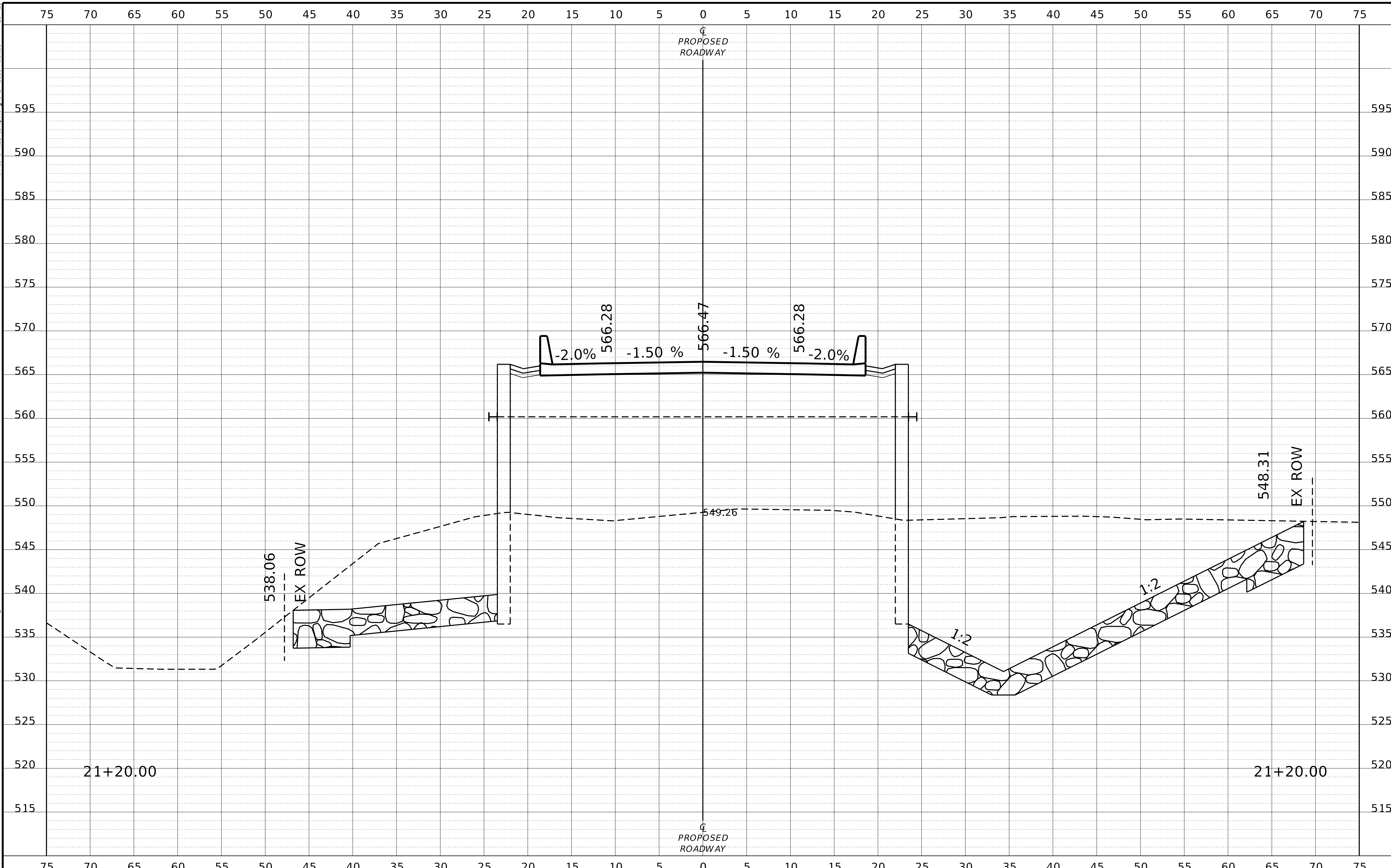

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 20 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	91
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT 2MQY(061)		

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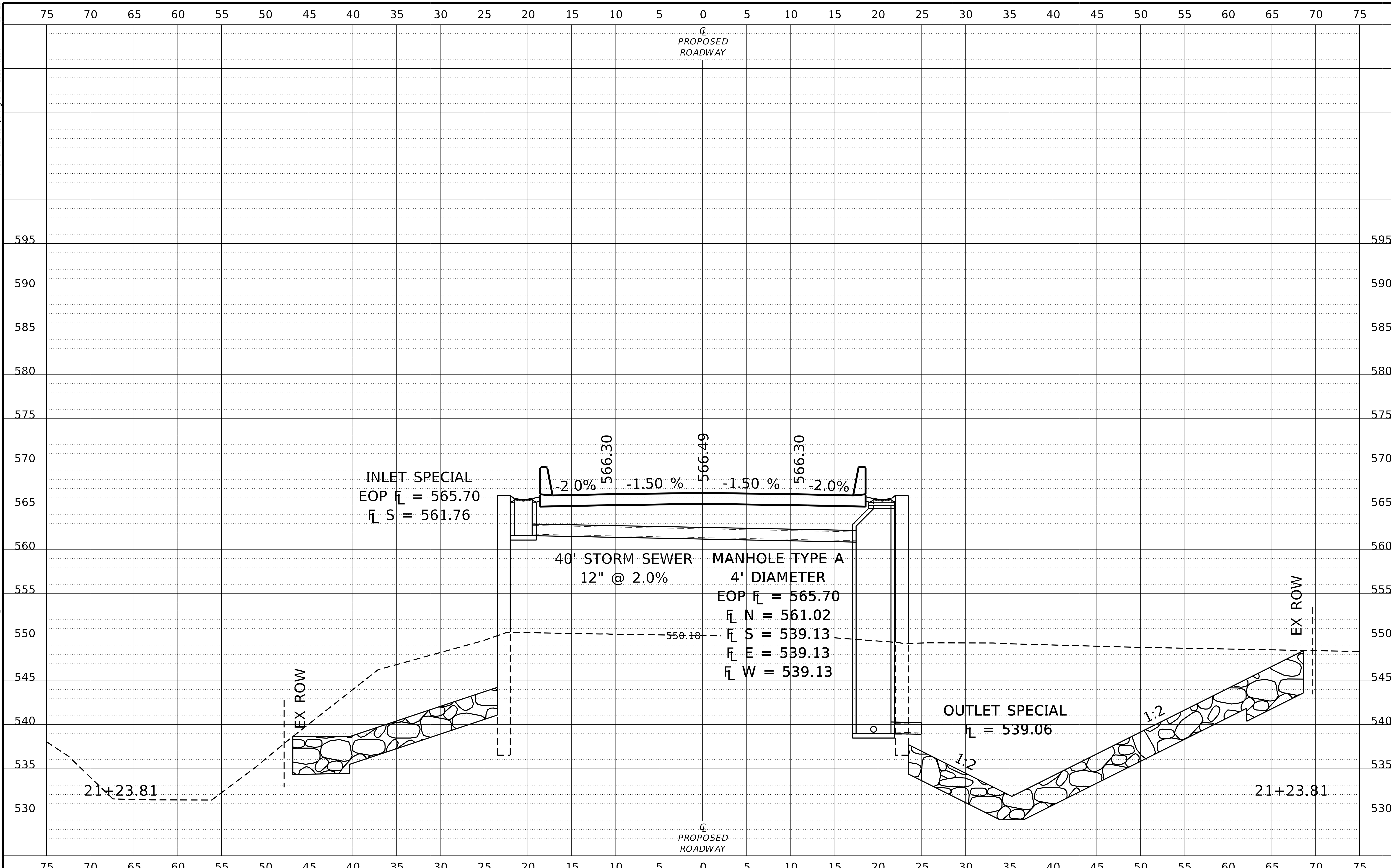
FINAL SURVEY: NOTE BOOK NO. / SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED / BY / DATE

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



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REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

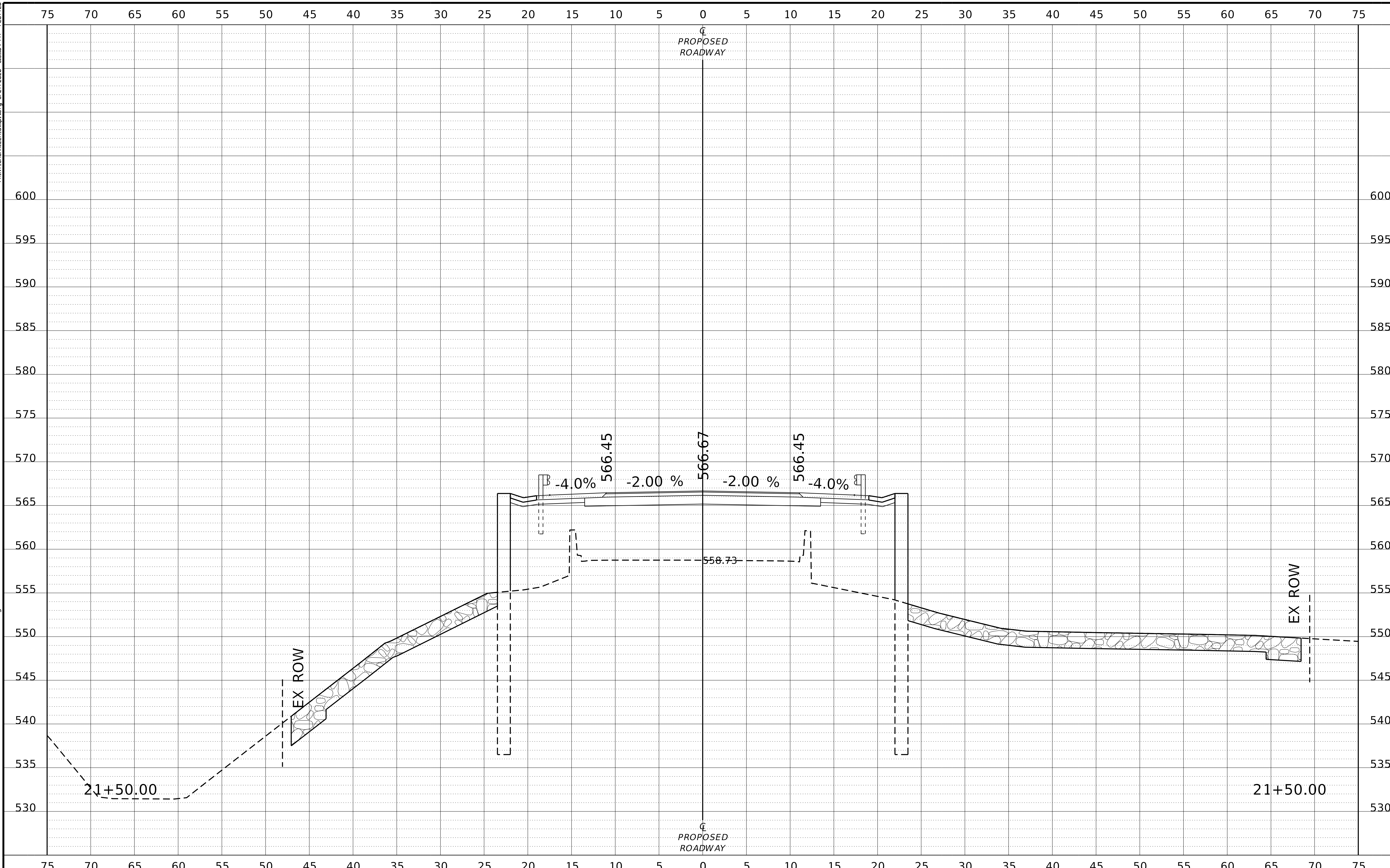
LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 21 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	92
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		



REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 22 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	93
WHA# 1160D14		CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT 2MQY(061)		

FINAL SURVEY		
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TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

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

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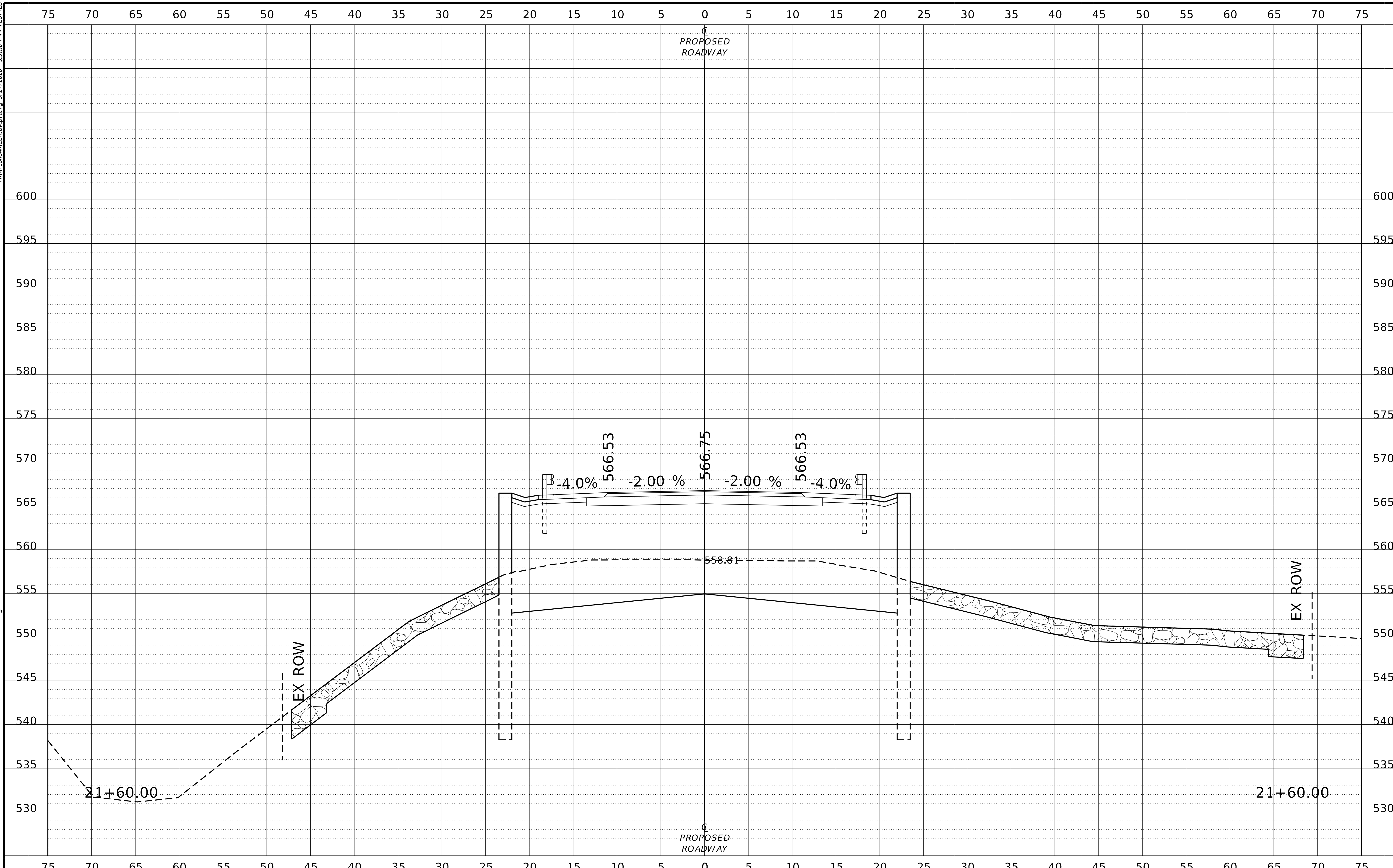

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 23 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	94
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

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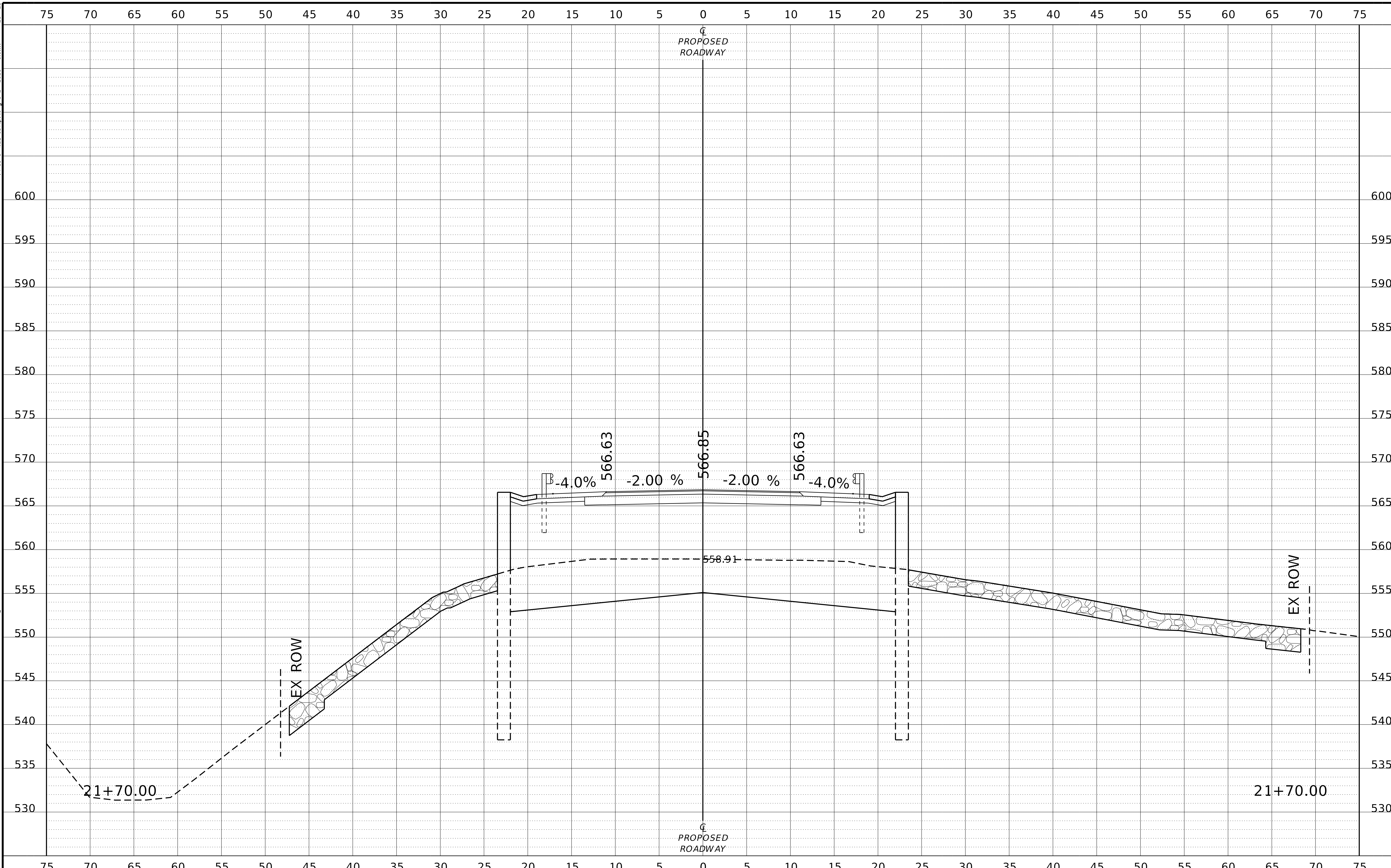

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 24 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	95
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT 2MQY(061)	

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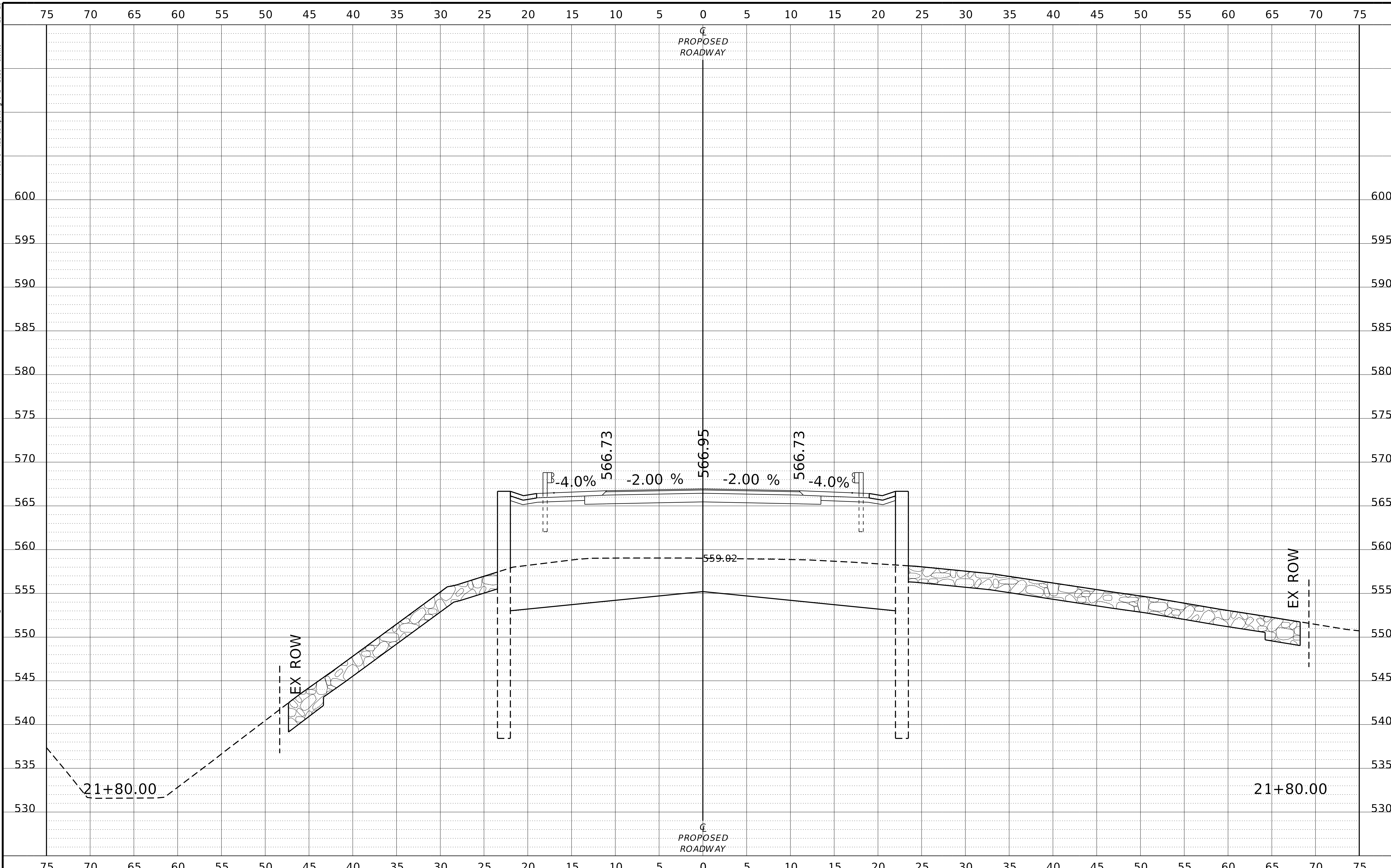
FINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

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



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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

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

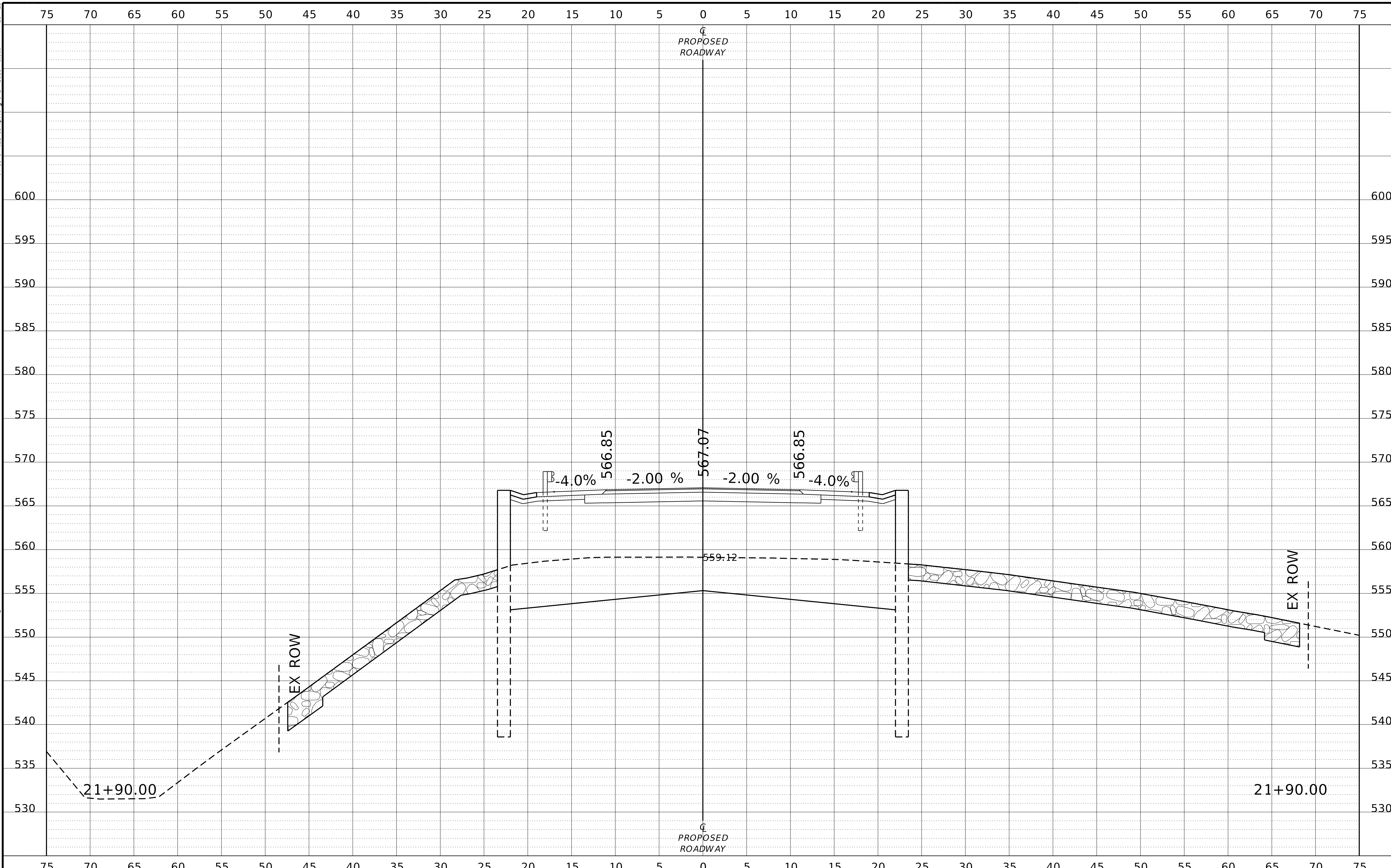
LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 25 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	96
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT 2MQY(061)		



REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 26 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	97
	WHA# 1160D14	CONTRACT NO. 87692		

ILLINOIS FED. AID PROJECT 2MQY(061)

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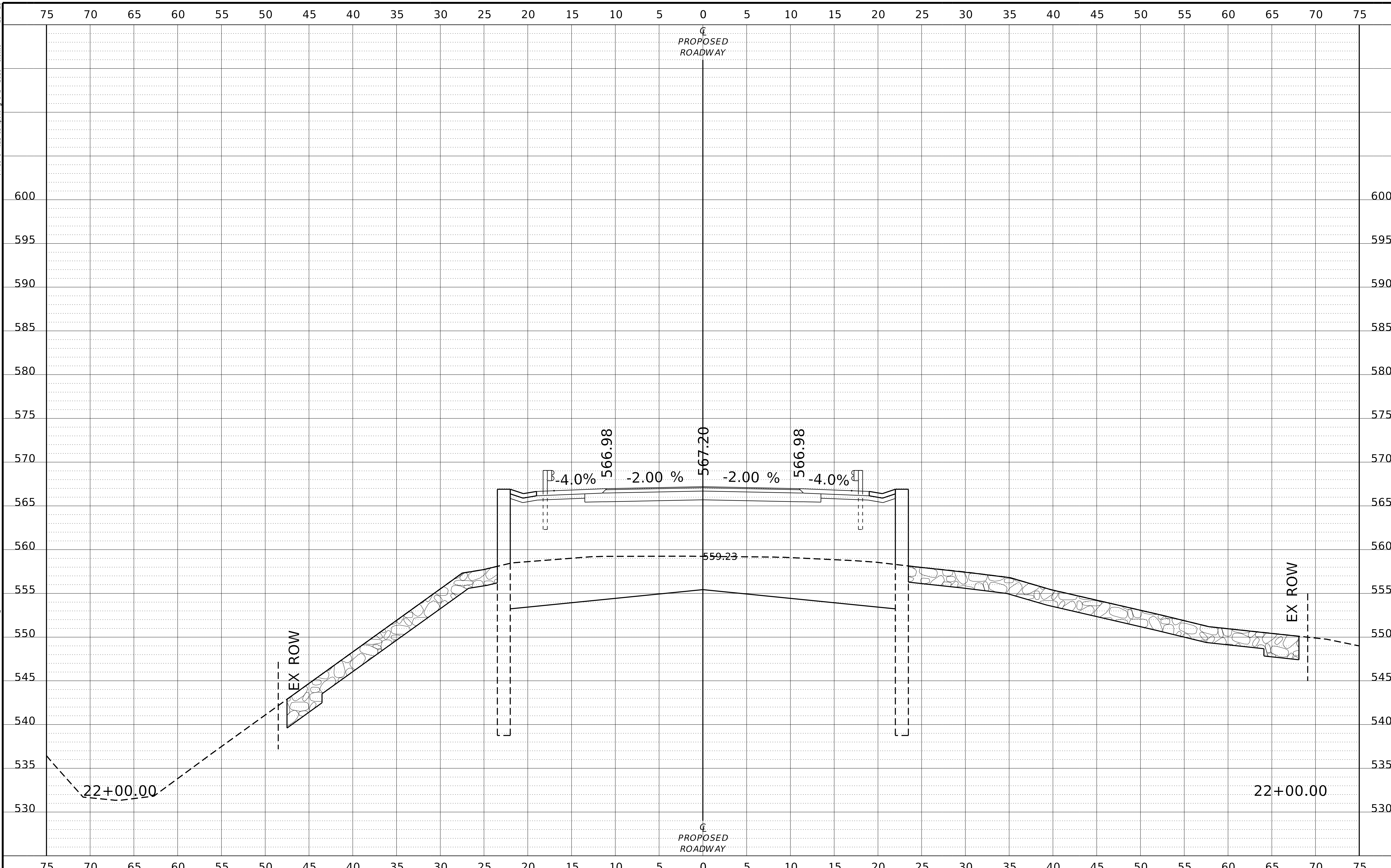

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 27 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	98
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT 2MQY(061)	

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

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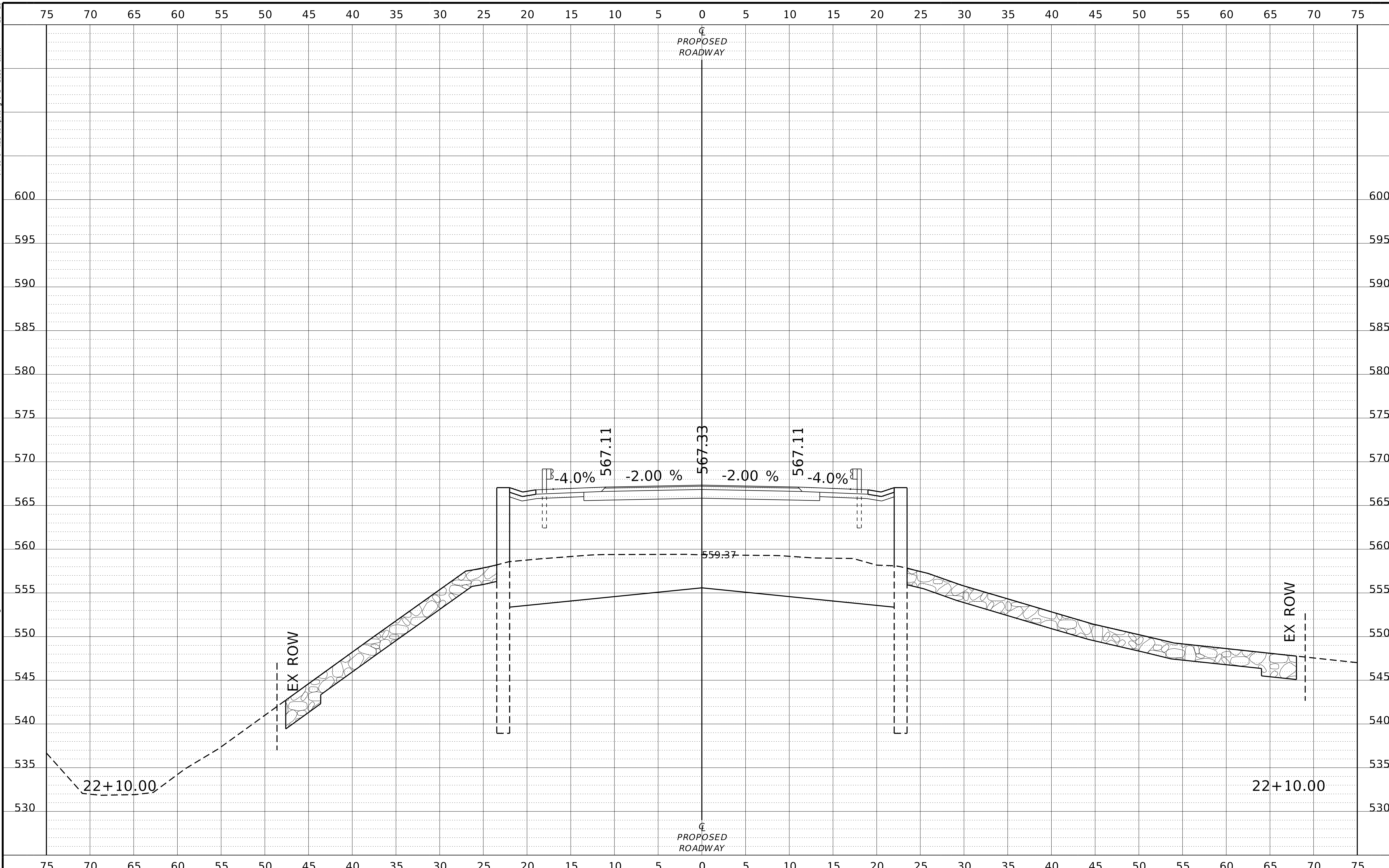

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
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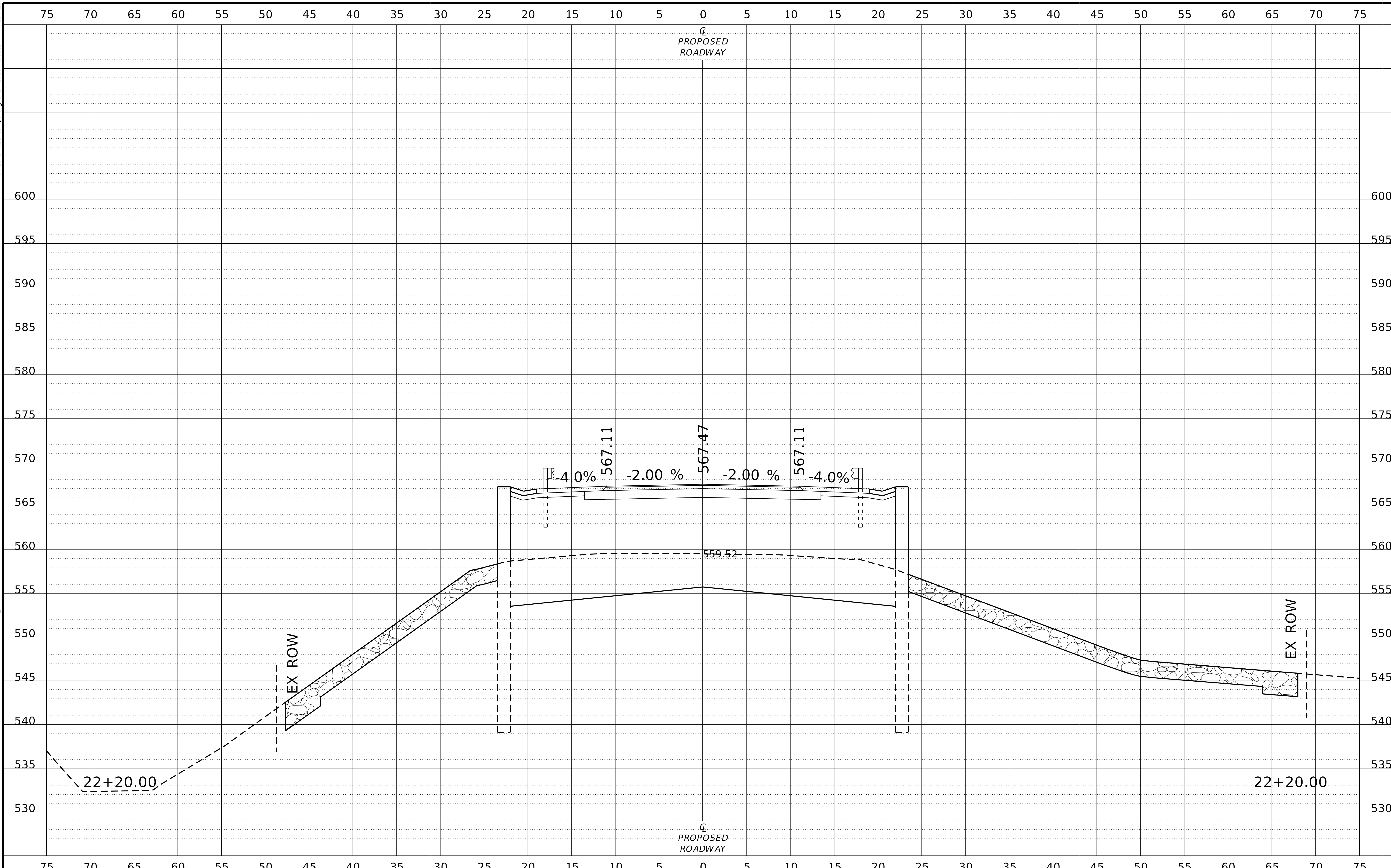
CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 28 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	99
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)



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REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

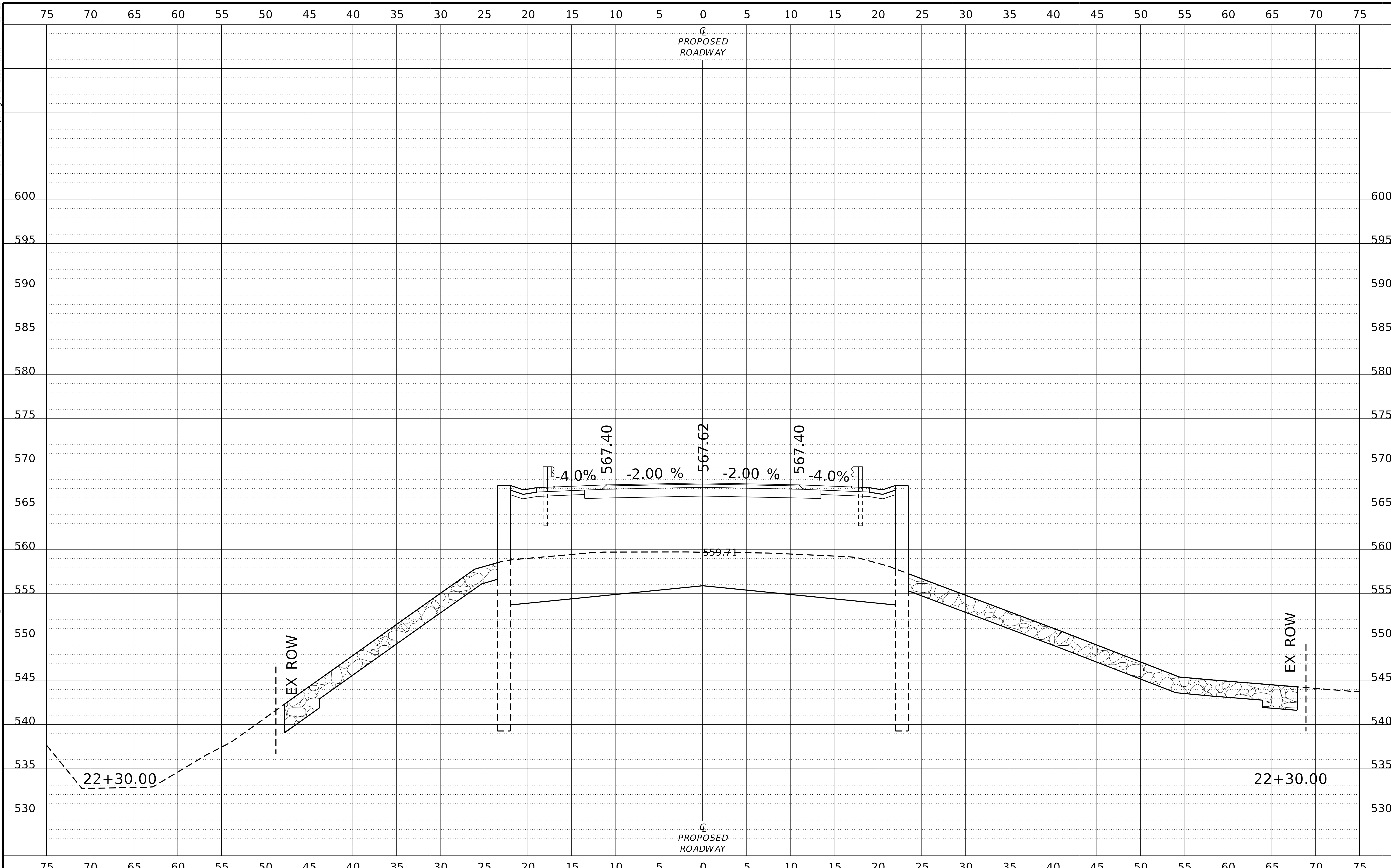
LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 29 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	100
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)



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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
BY	
DATE	

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

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
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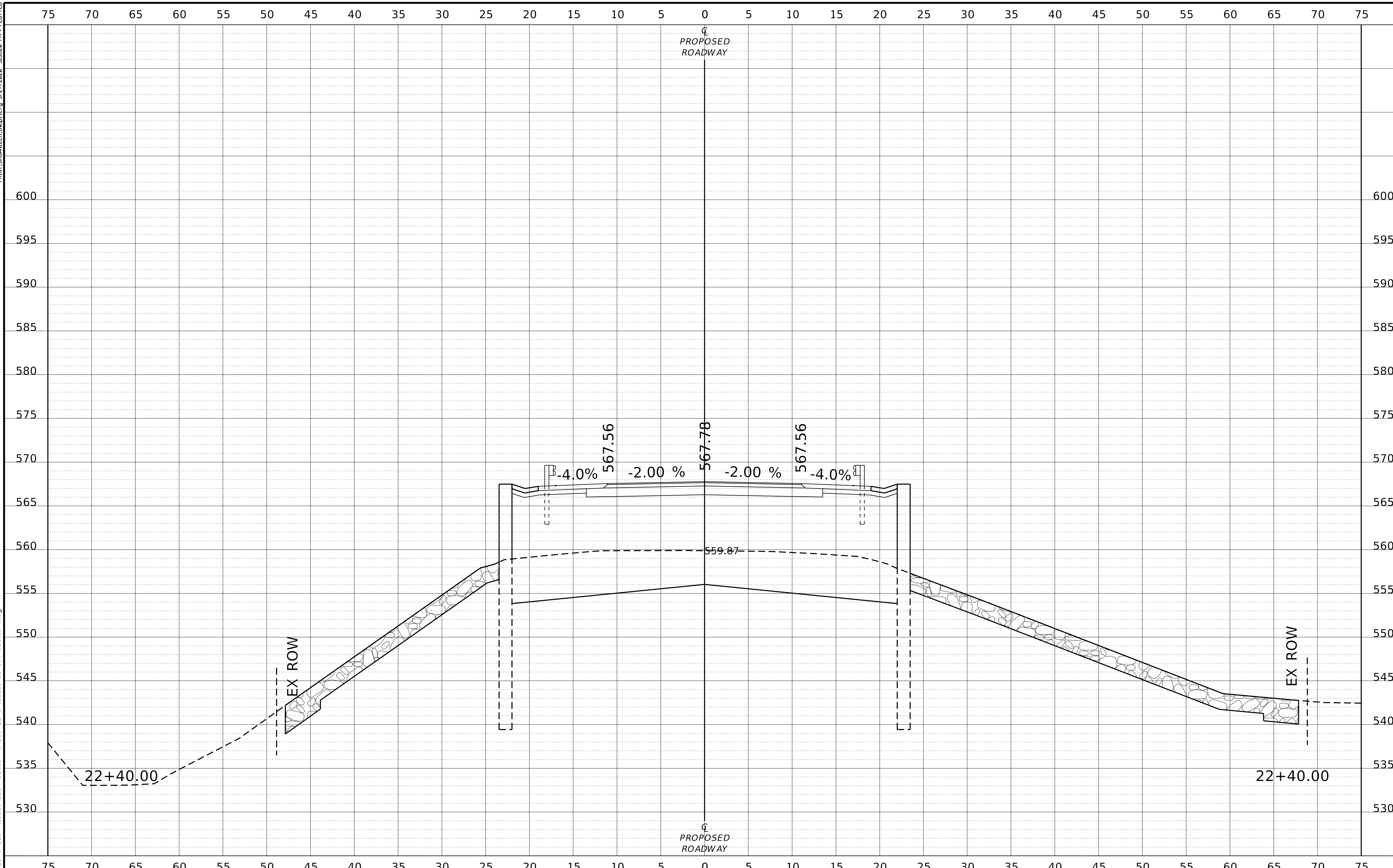
CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 30 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	101
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)



DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 31 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	102
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

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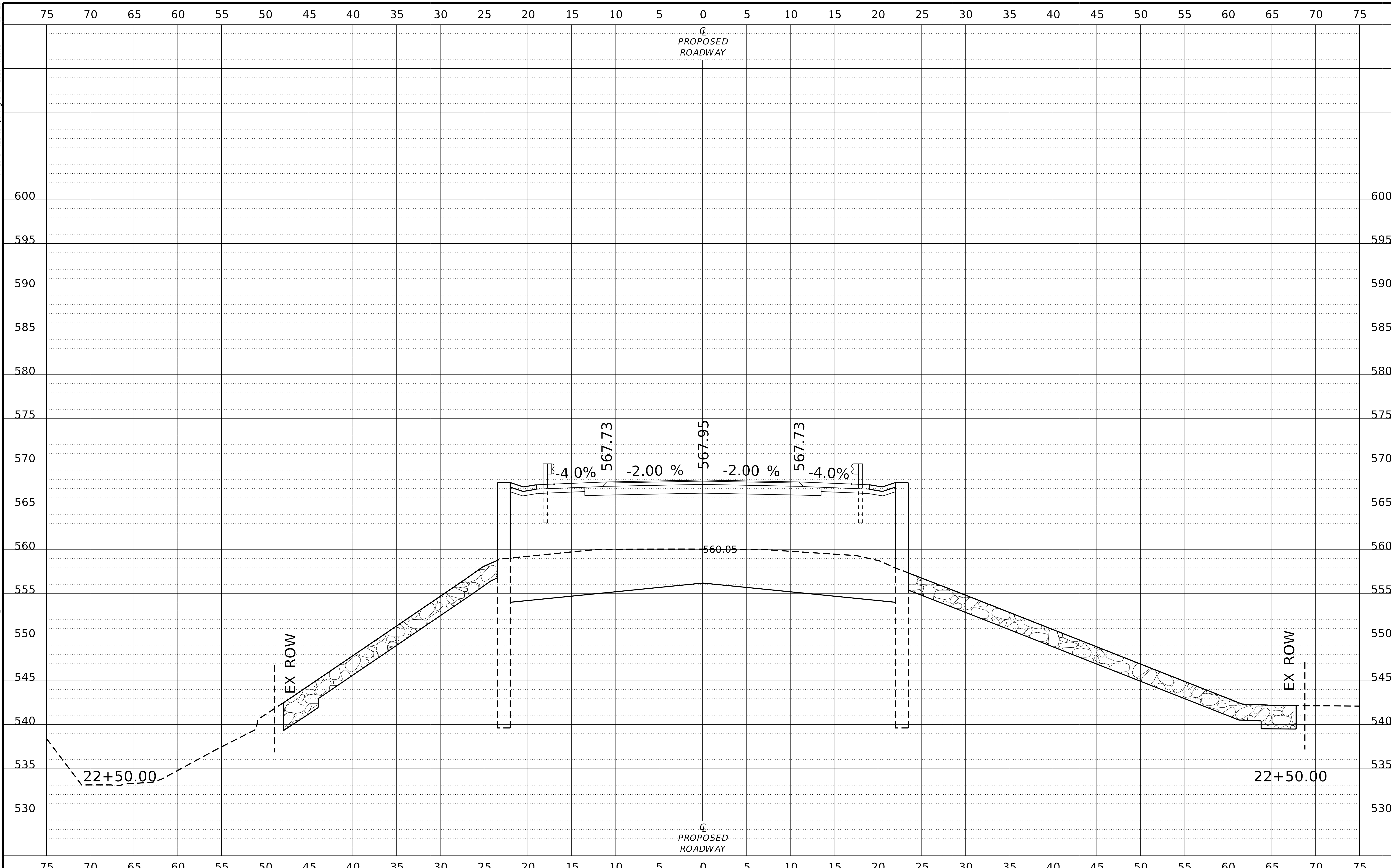

REVISION	DATE	BY	REMARKS

DESIGNED PV
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REVIEWED BKC
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LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 32 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	103
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT 2MQY(061)	

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

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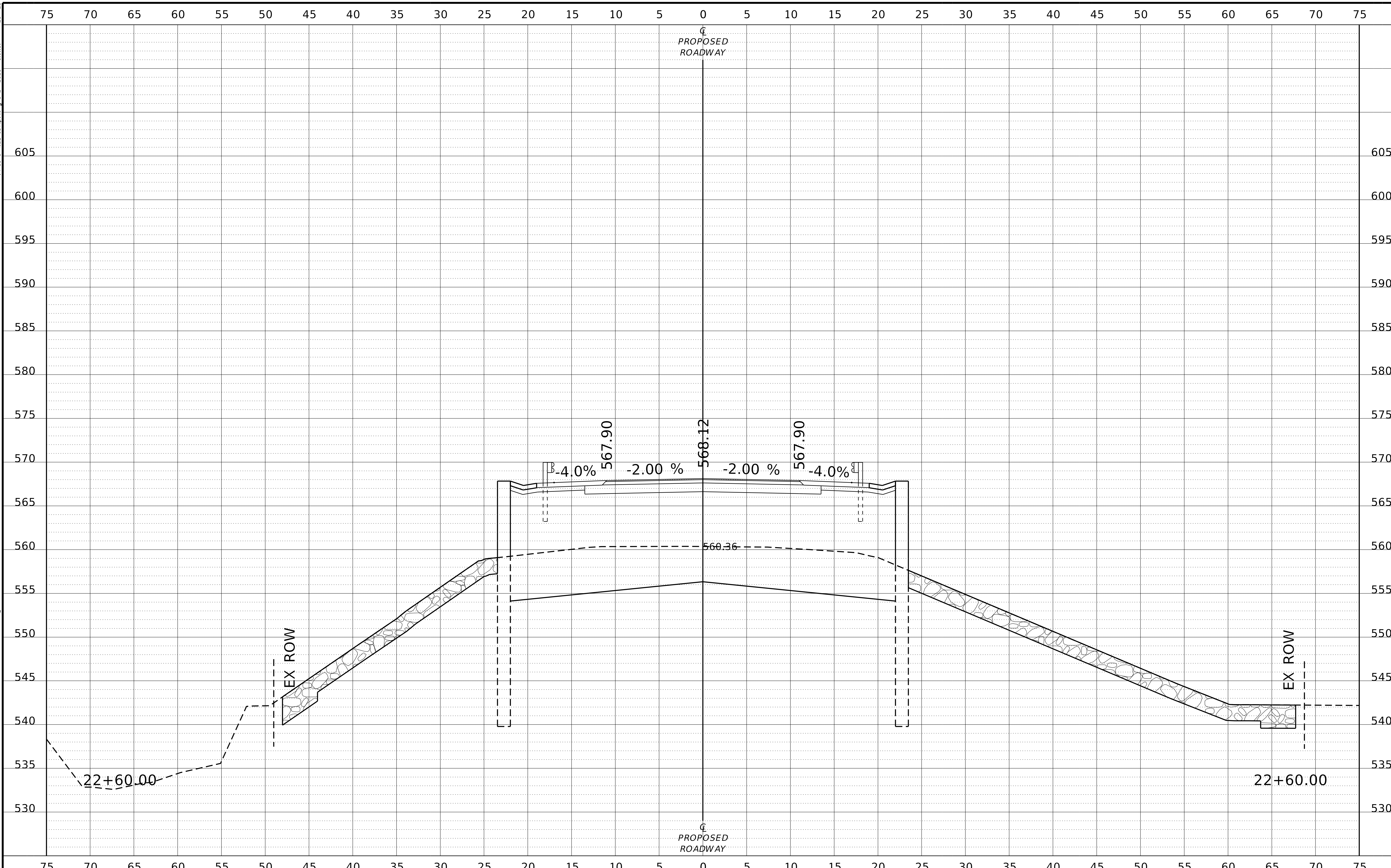

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 33 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	104
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT 2MQY(061)		

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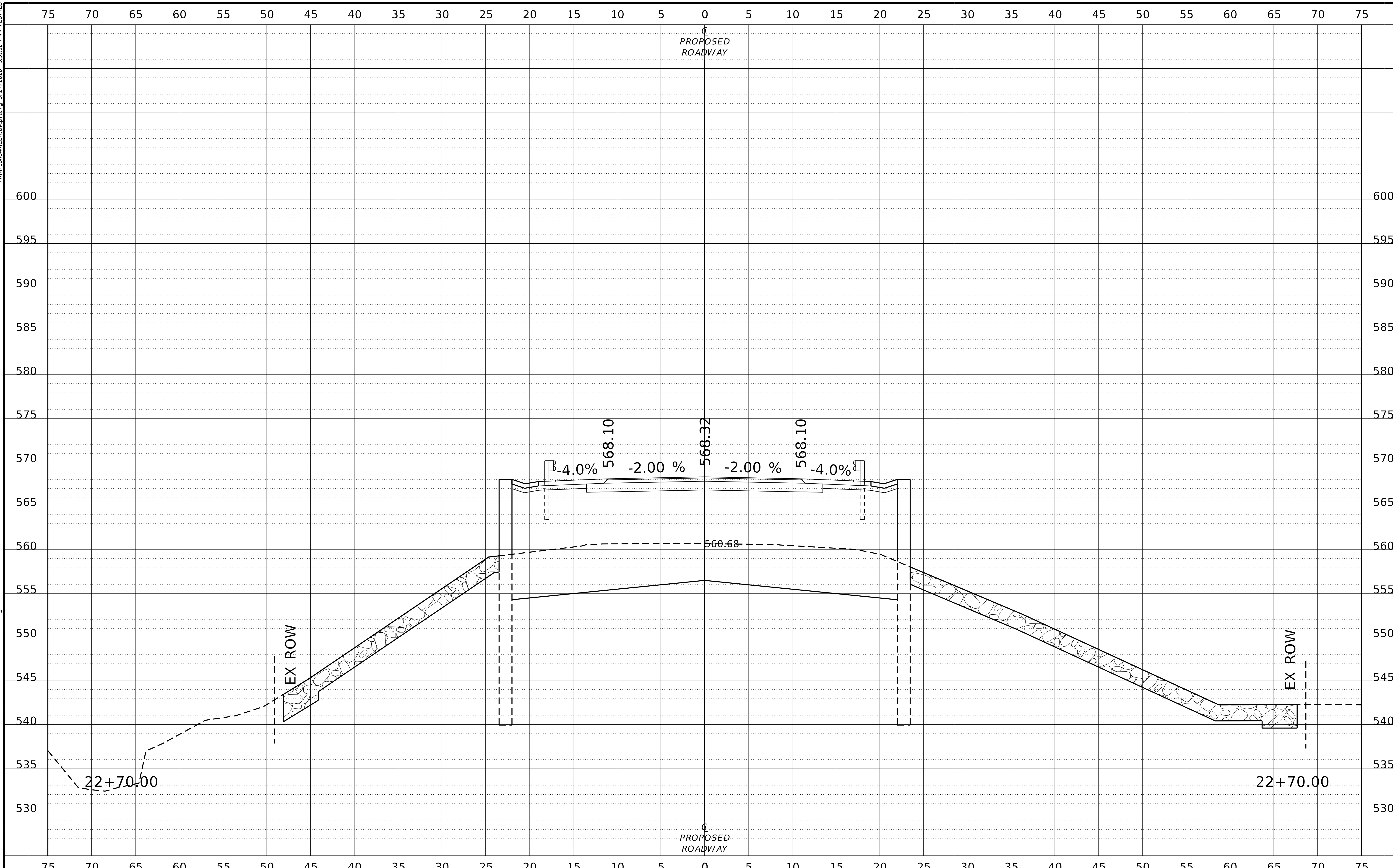

REVISION	DATE	BY	REMARKS

DESIGNED PV
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APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 34 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	105

WHA# 1160D14
CONTRACT NO. 87692
ILLINOIS | FED. AID PROJECT 2MQY(061)

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

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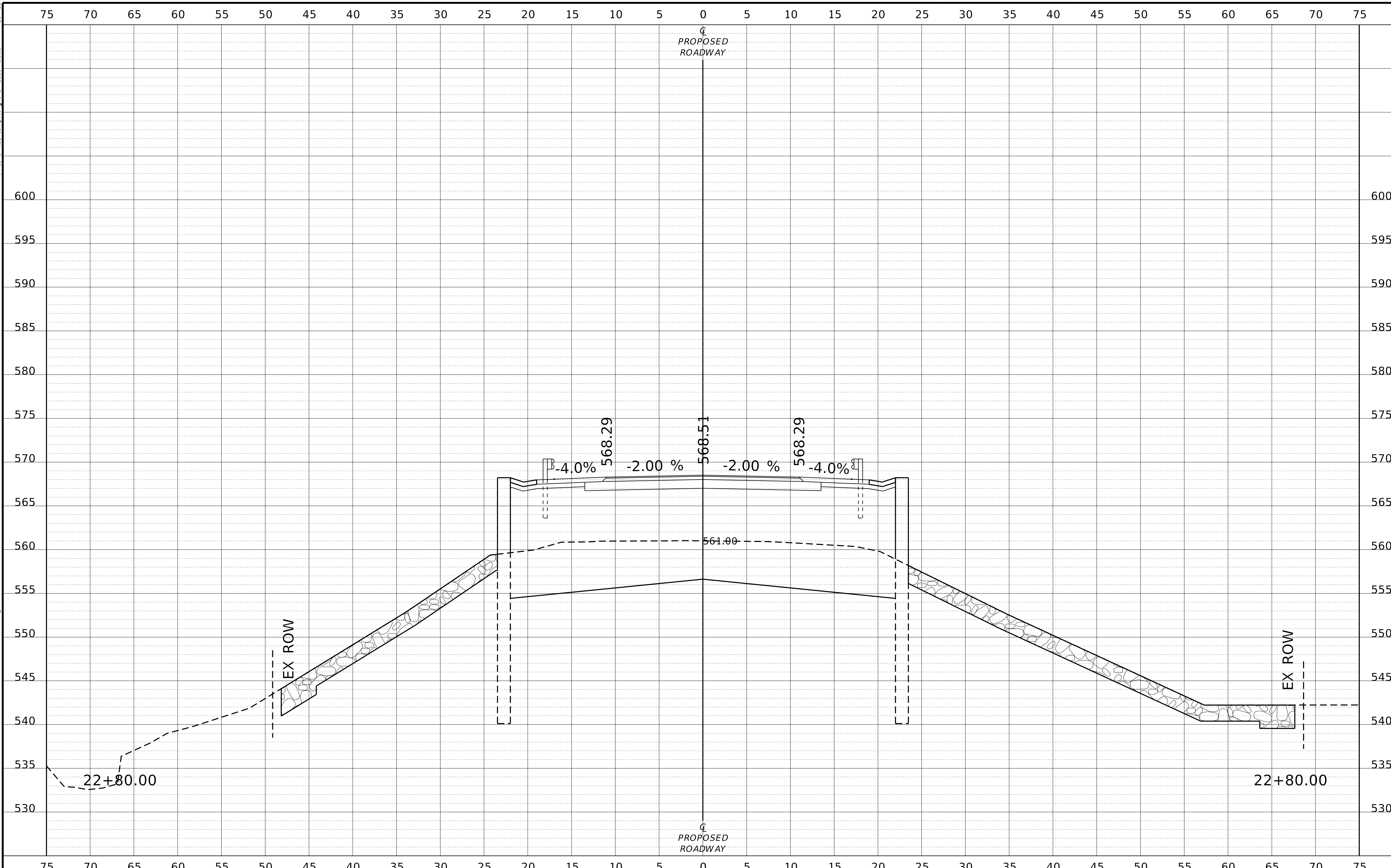

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 35 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	106
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT 2MQY(061)		

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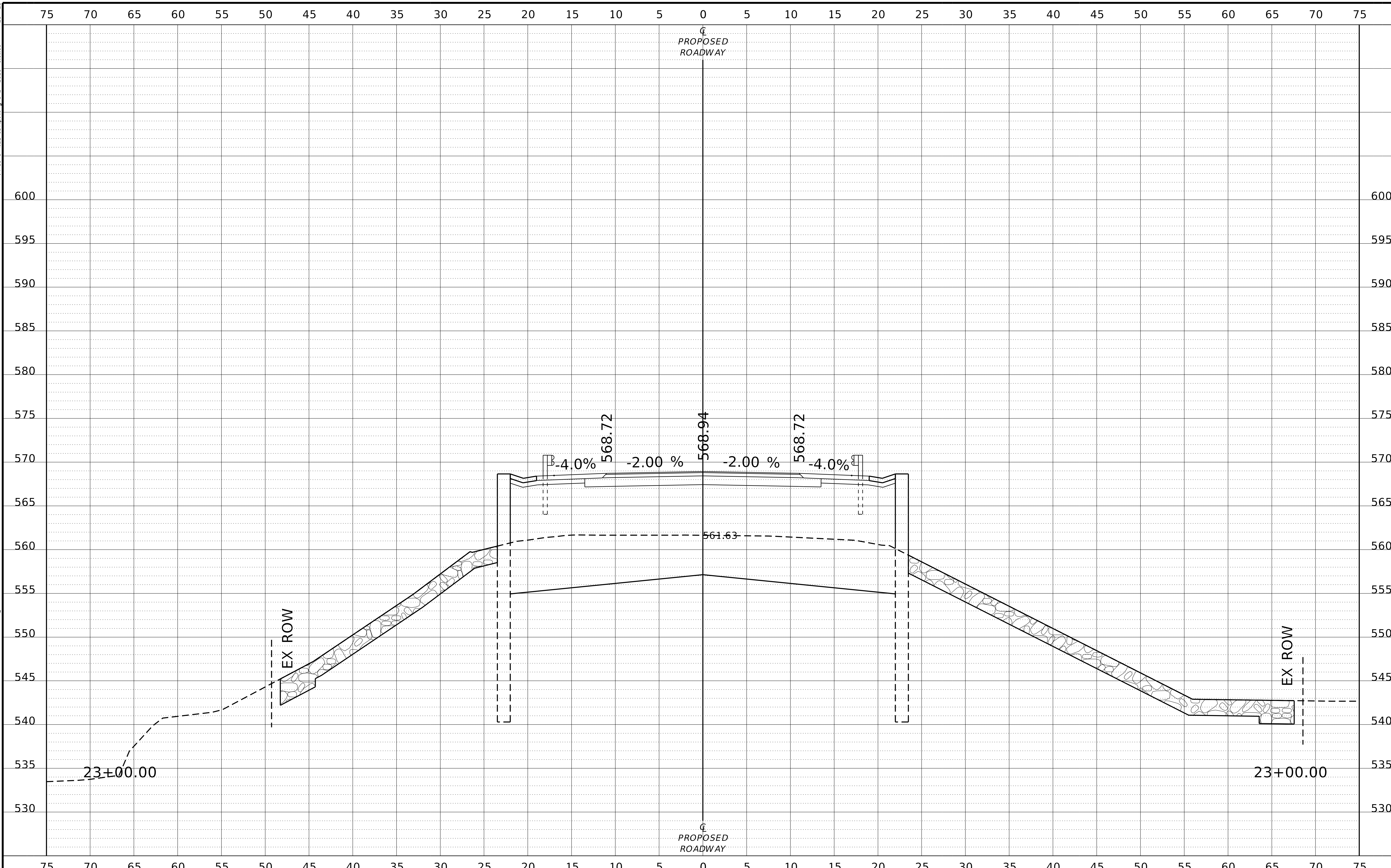

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REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
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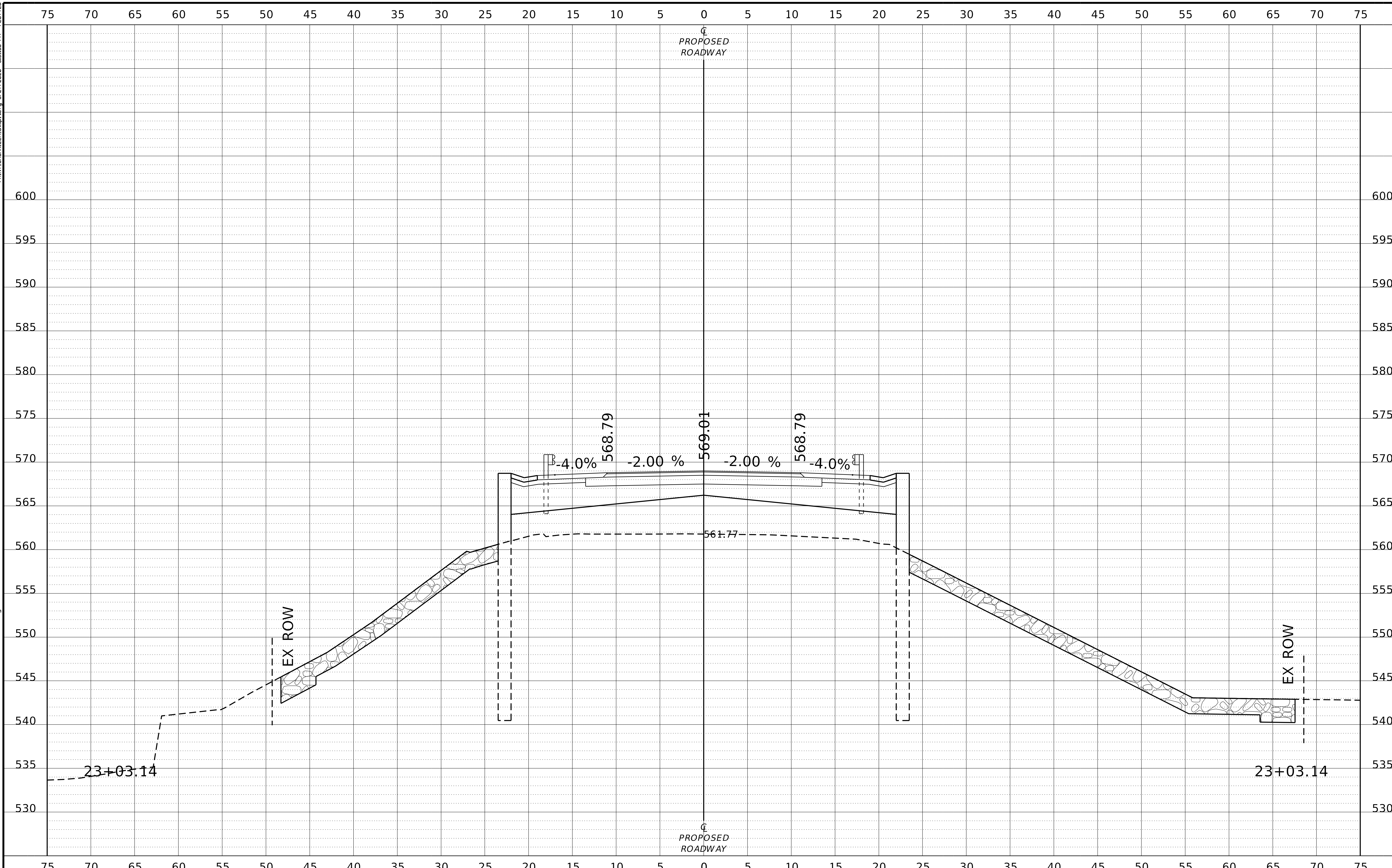
CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 36 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	107
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)



REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
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APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
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ENGINEERING ARCHITECTURE LAND SURVEYING
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 37 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	108
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

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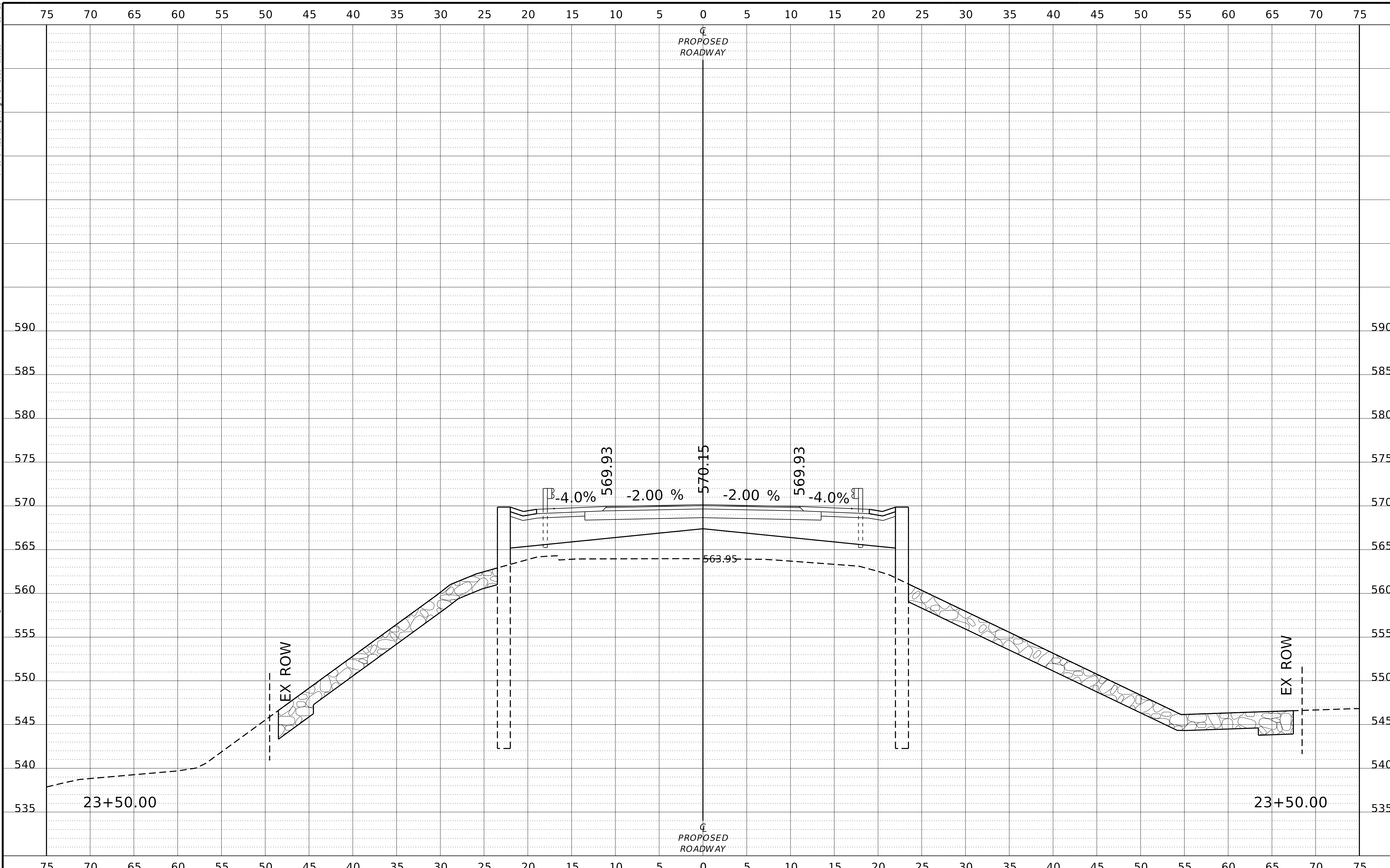

REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 38 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	109
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT 2MQY(061)		

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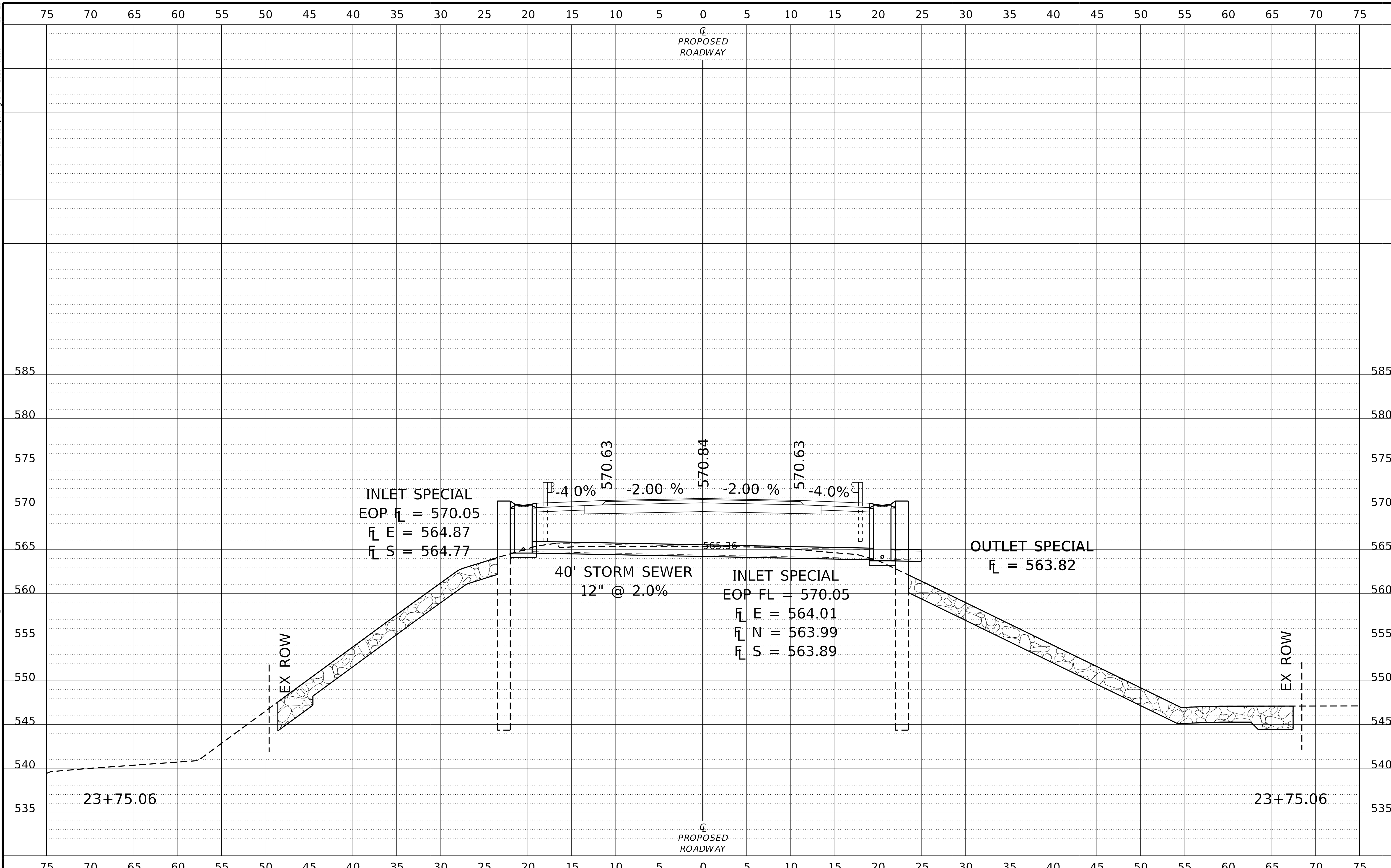
ORIGINAL SURVEY: NOTE BOOK NO. / SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED / BY / DATE



REVISION	DATE	BY	REMARKS

DESIGNED PV
DRAWN FDL
REVIEWED BKC
APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 39 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	110
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

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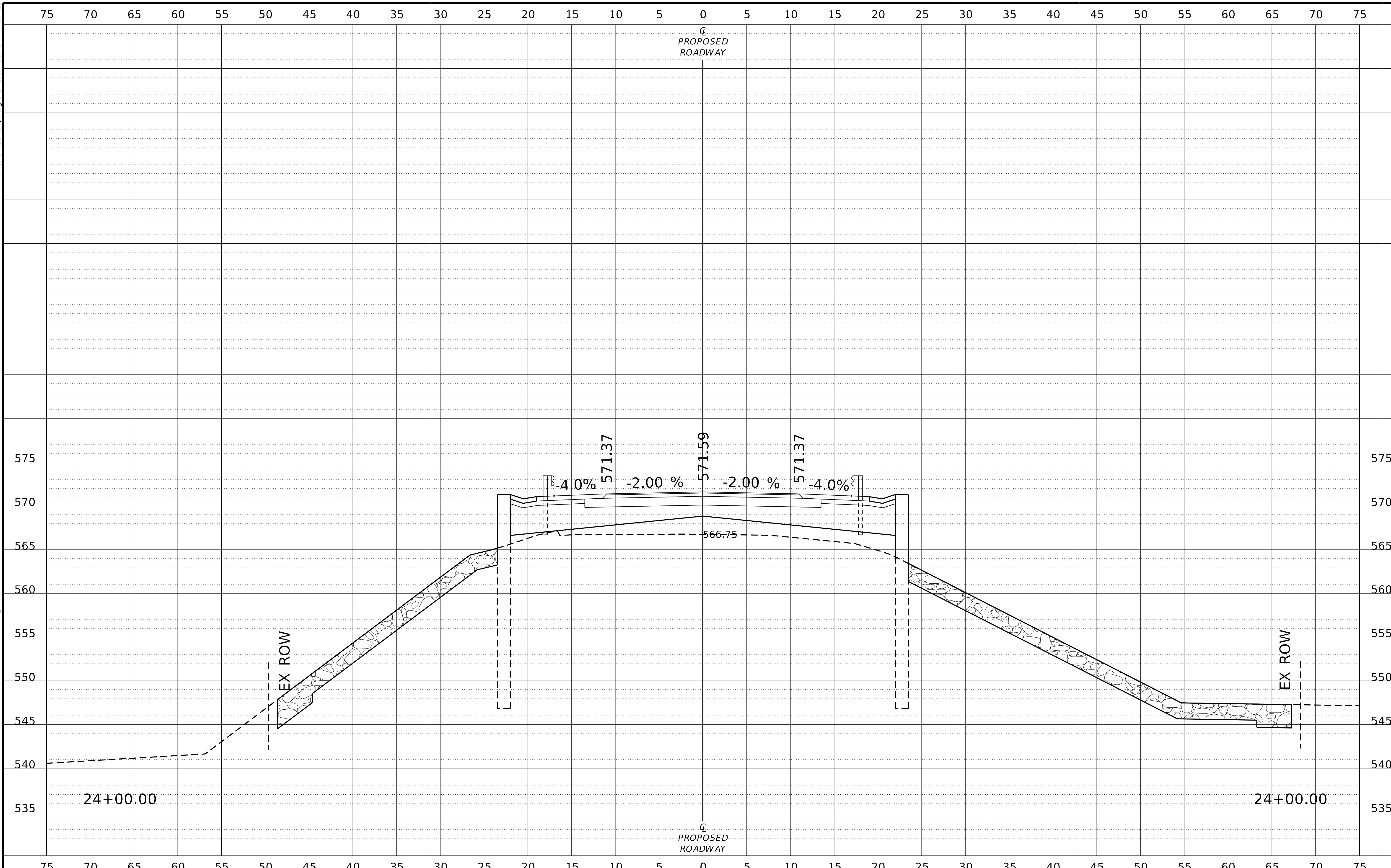

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FINAL SURVEY	NOTE BOOK NO.	SURVEYED	PLOTTED	TEMPLATE	AREAS	AREAS CHECKED	BY	DATE

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

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ENGINEERING ARCHITECTURE LAND SURVEYING
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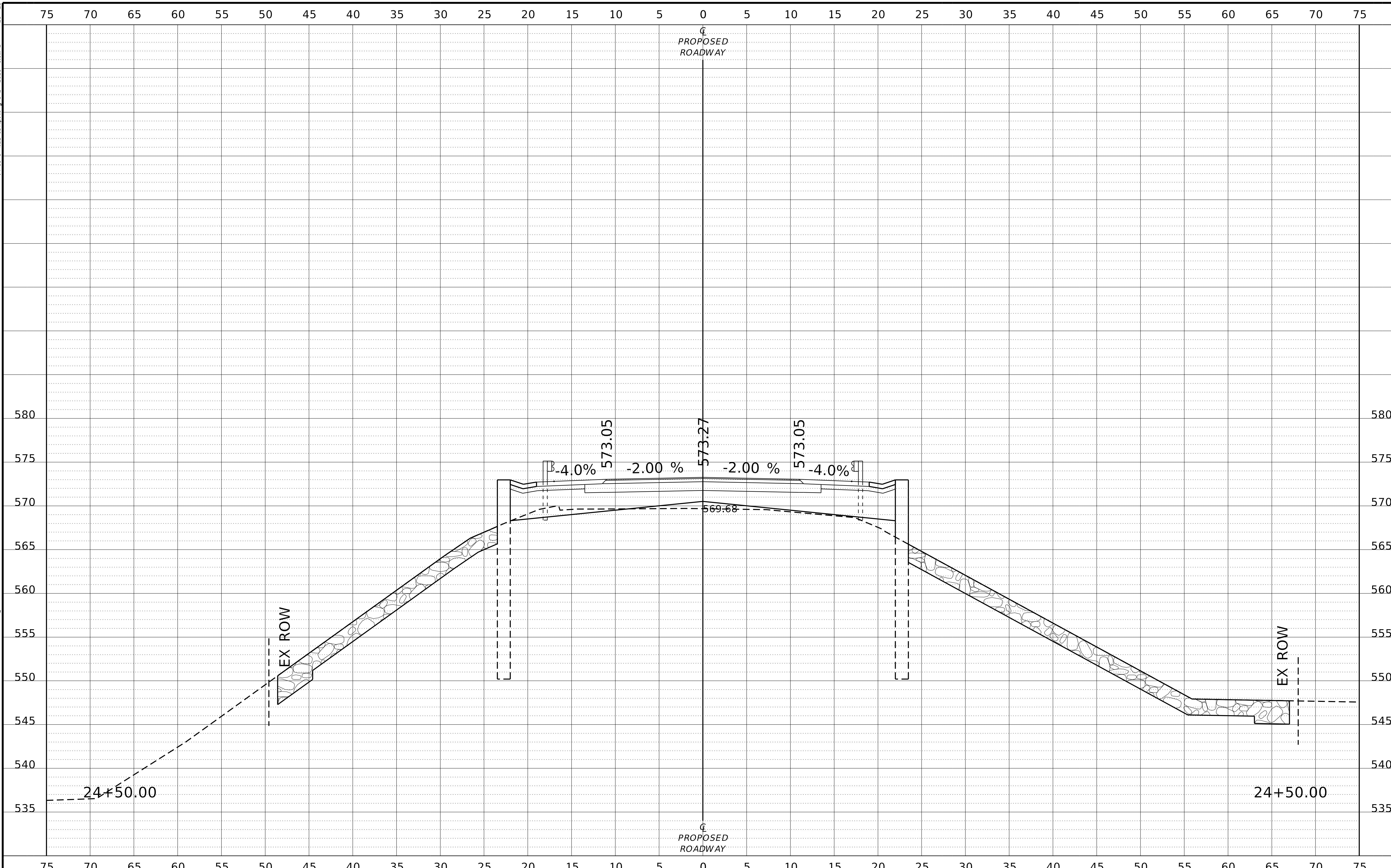
CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 40 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	111
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT 2MQY(061)		



REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 41 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	112
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS FED. AID PROJECT 2MQY(061)			

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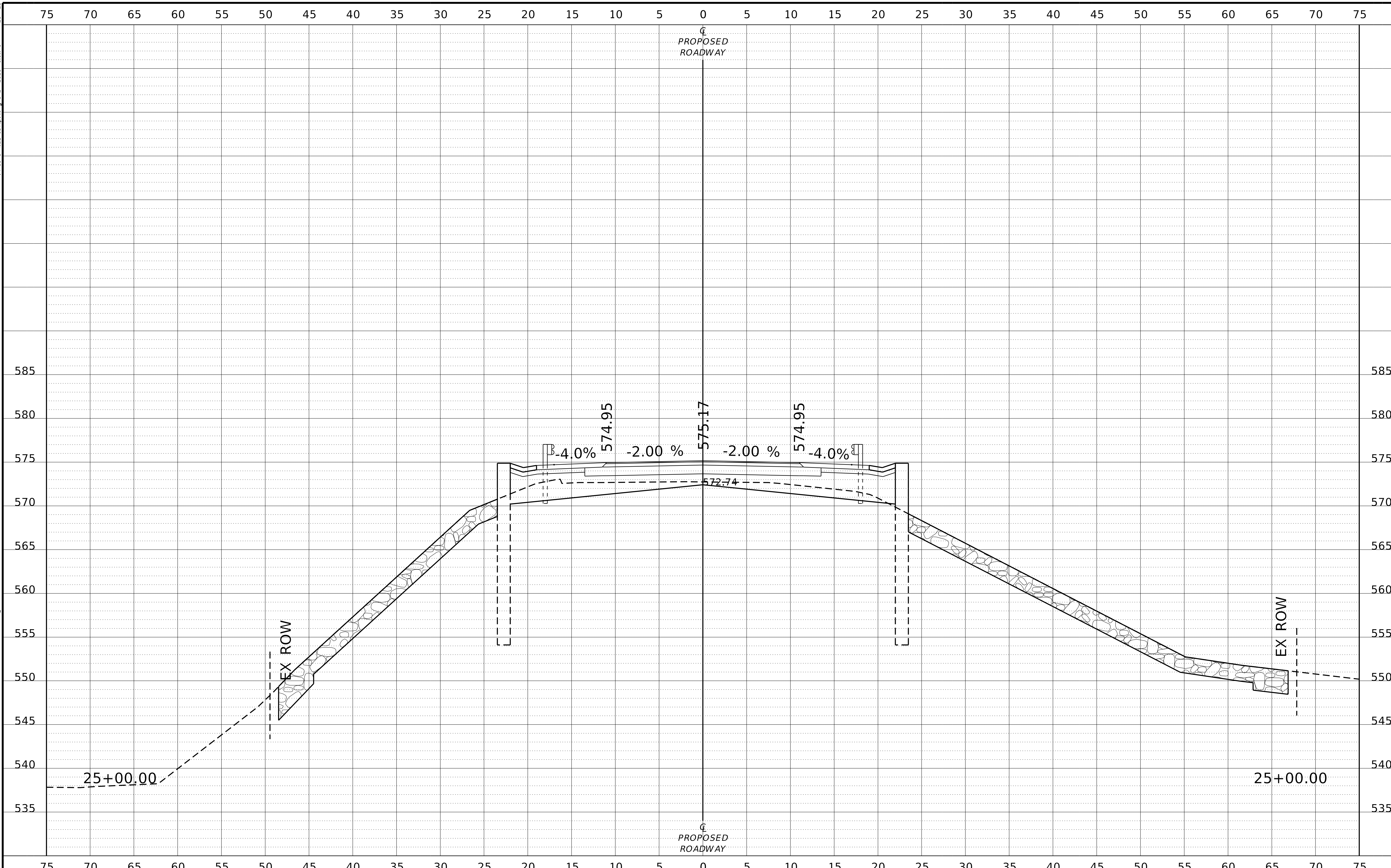

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

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ENGINEERING ARCHITECTURE LAND SURVEYING
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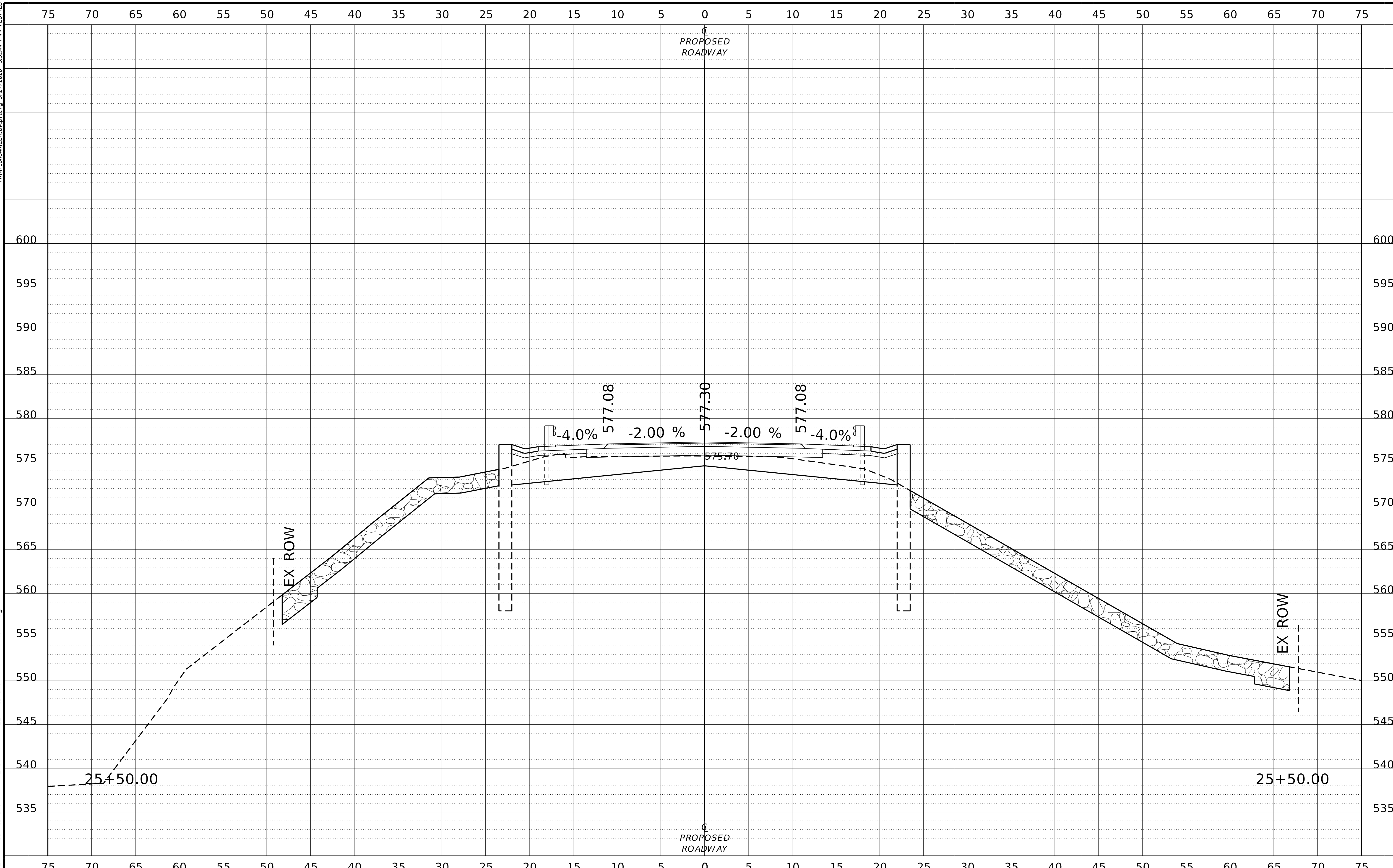
CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 42 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	113
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT 2MQY(061)		



REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 43 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	114
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT 2MQY(061)		

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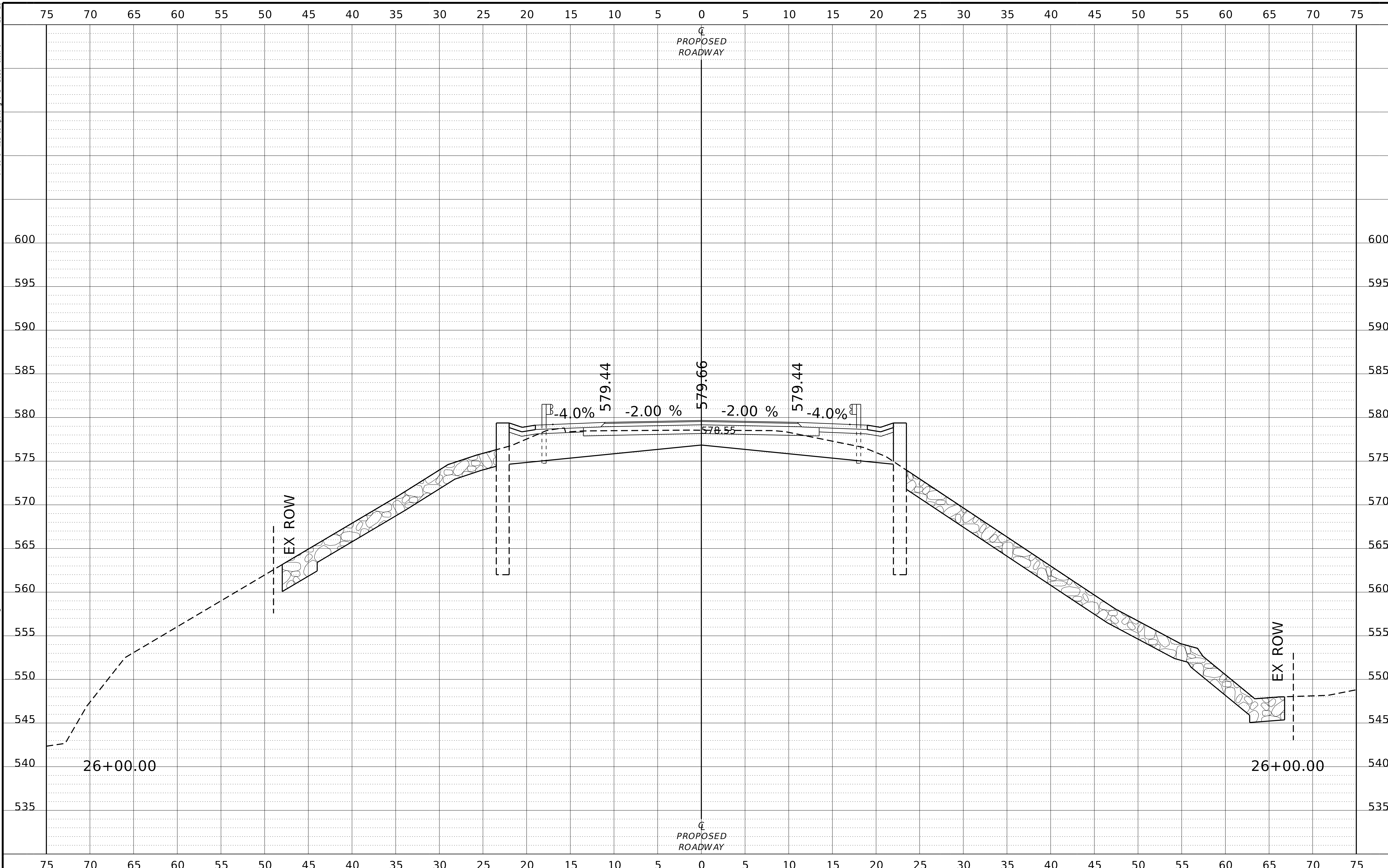

REVISION	DATE	BY	REMARKS

DESIGNED PV
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LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

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ENGINEERING ARCHITECTURE LAND SURVEYING
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 44 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	115
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		

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

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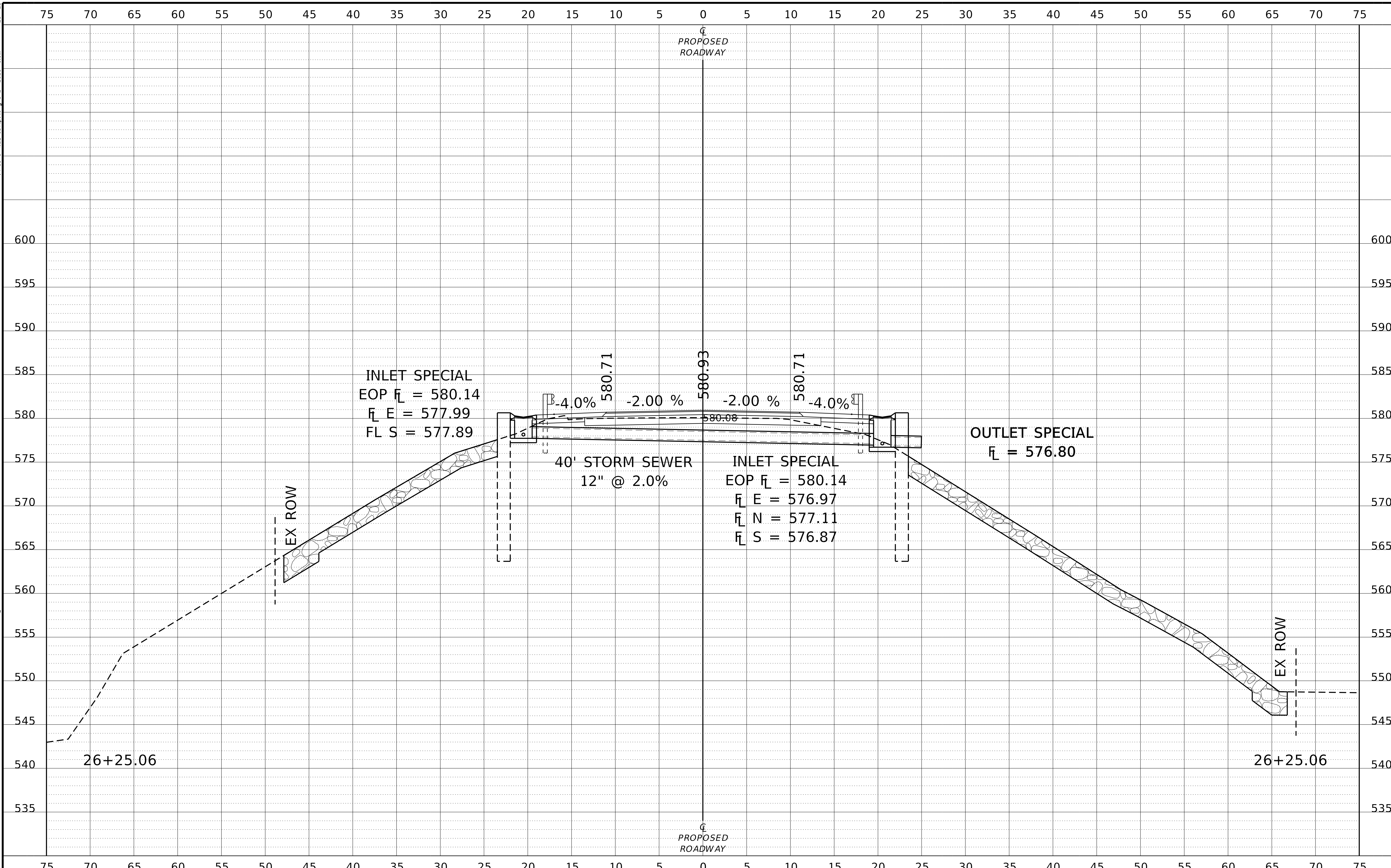

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REVISION	DATE	BY	REMARKS

DESIGNED	PV
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APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

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ENGINEERING ARCHITECTURE LAND SURVEYING
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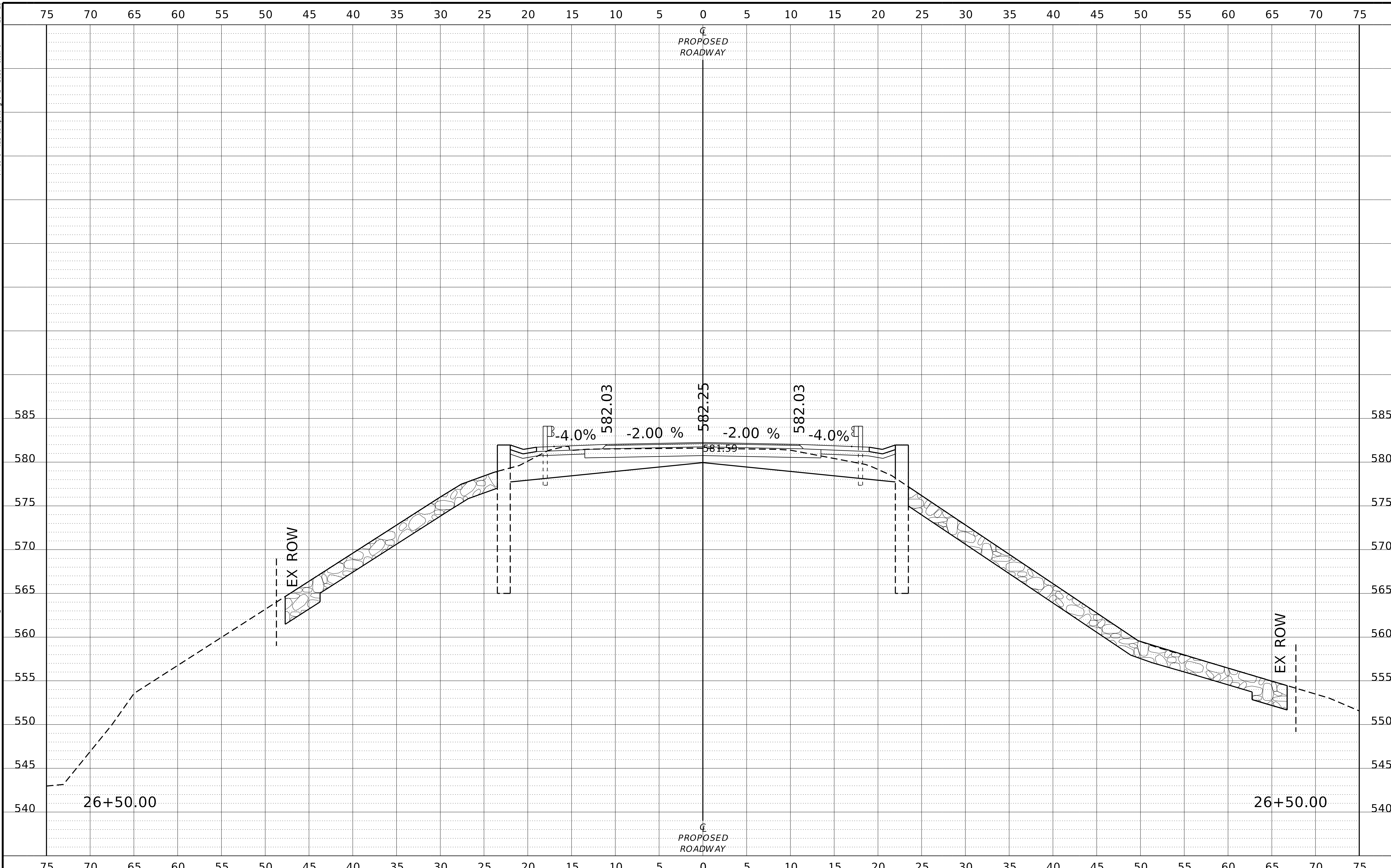
CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 45 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	116
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)



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NOTE BOOK	NO.
SURVEYED	
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AREAS	
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BY	
DATE	

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

REVISION	DATE	BY	REMARKS

DESIGNED	PV
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APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
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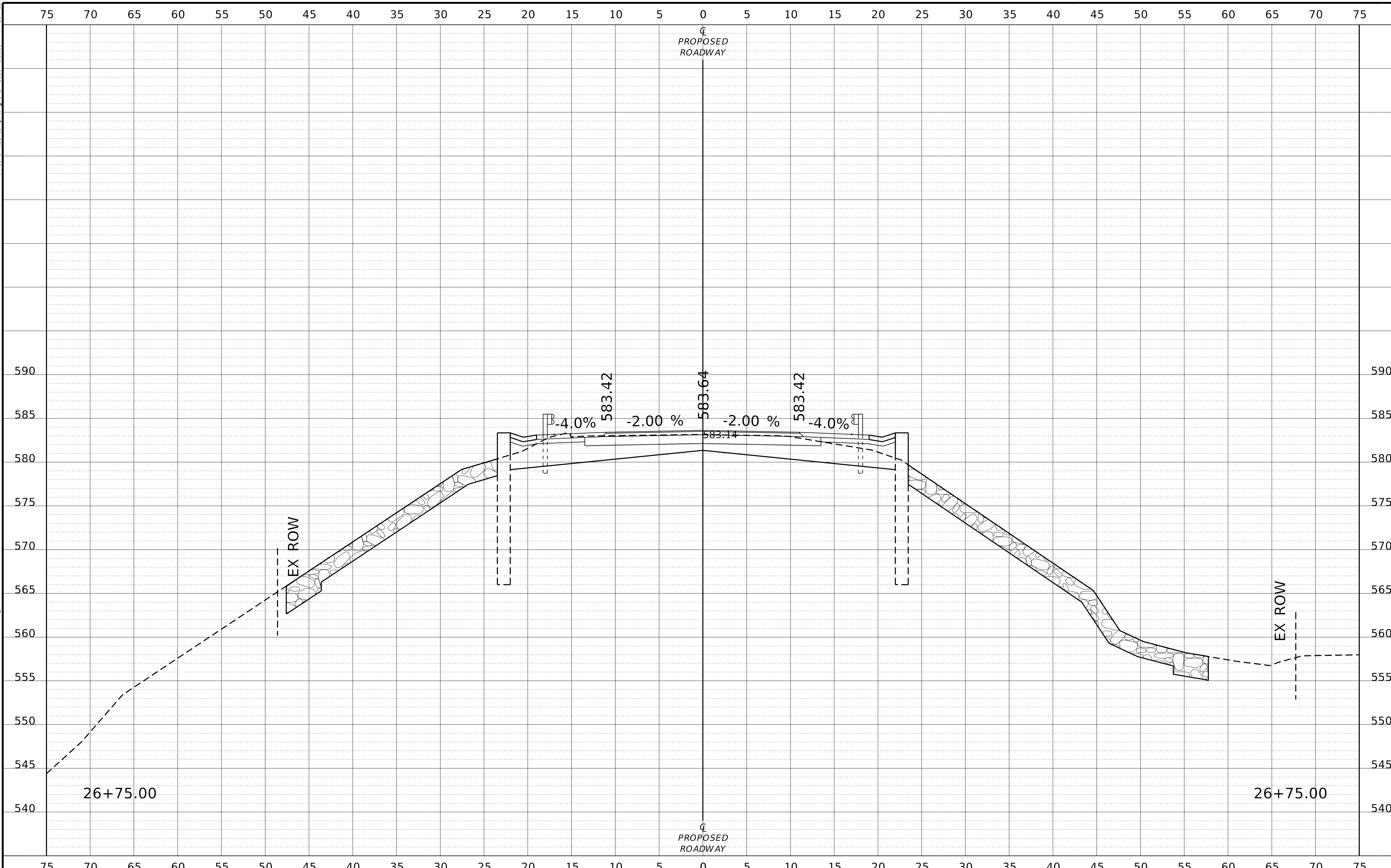
CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 46 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	117
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)



REVISION	DATE	BY	REMARKS

DESIGNED PV
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APPROVED PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 47 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	118
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		

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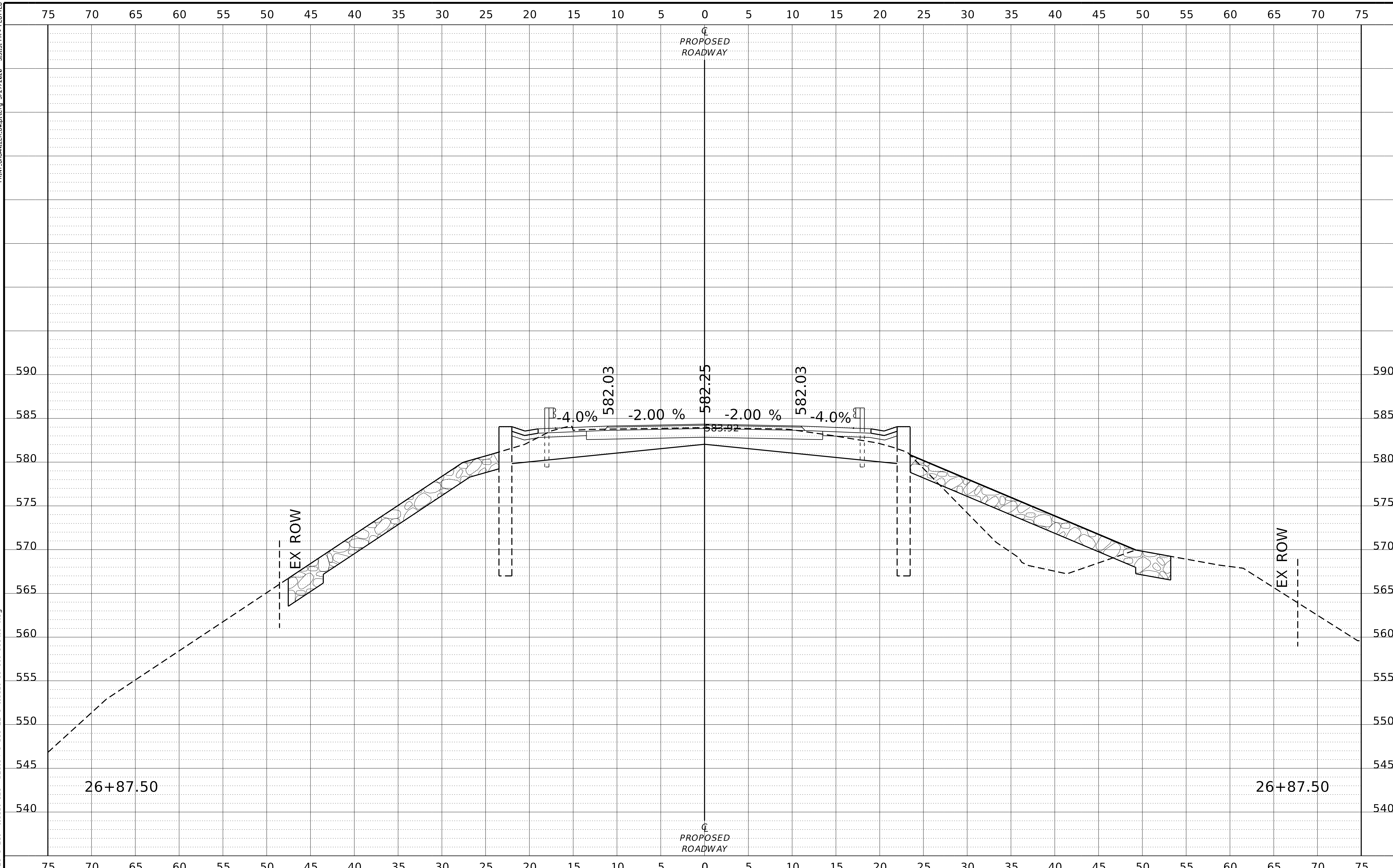

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

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ENGINEERING ARCHITECTURE LAND SURVEYING
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 48 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	119
	WHA# 1160D14	CONTRACT NO. 87692		
	ILLINOIS	FED. AID PROJECT 2MQY(061)		

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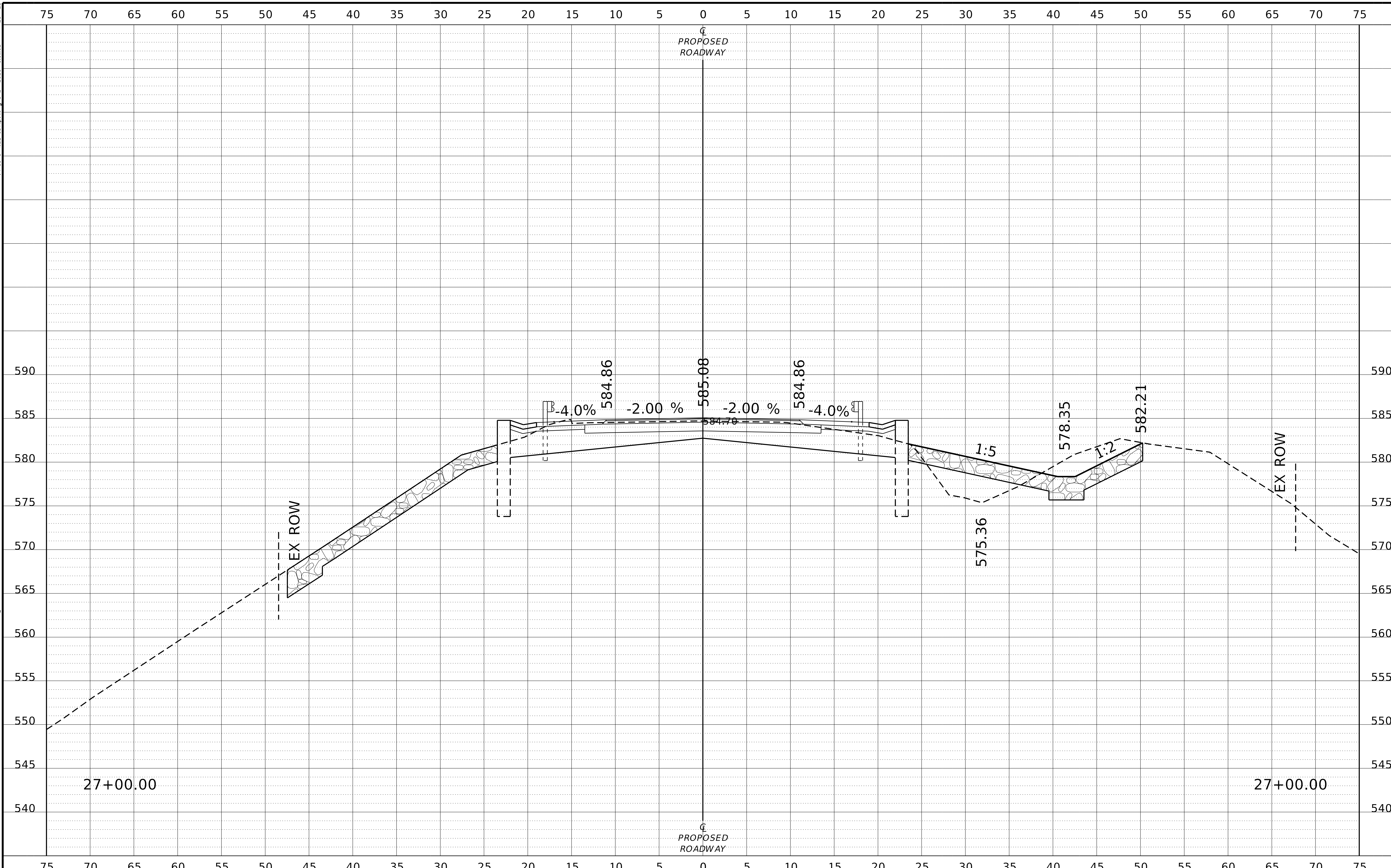

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

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ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 49 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	120

WHA# 1160D14 CONTRACT NO. 87692

ILLINOIS FED. AID PROJECT 2MQY(061)

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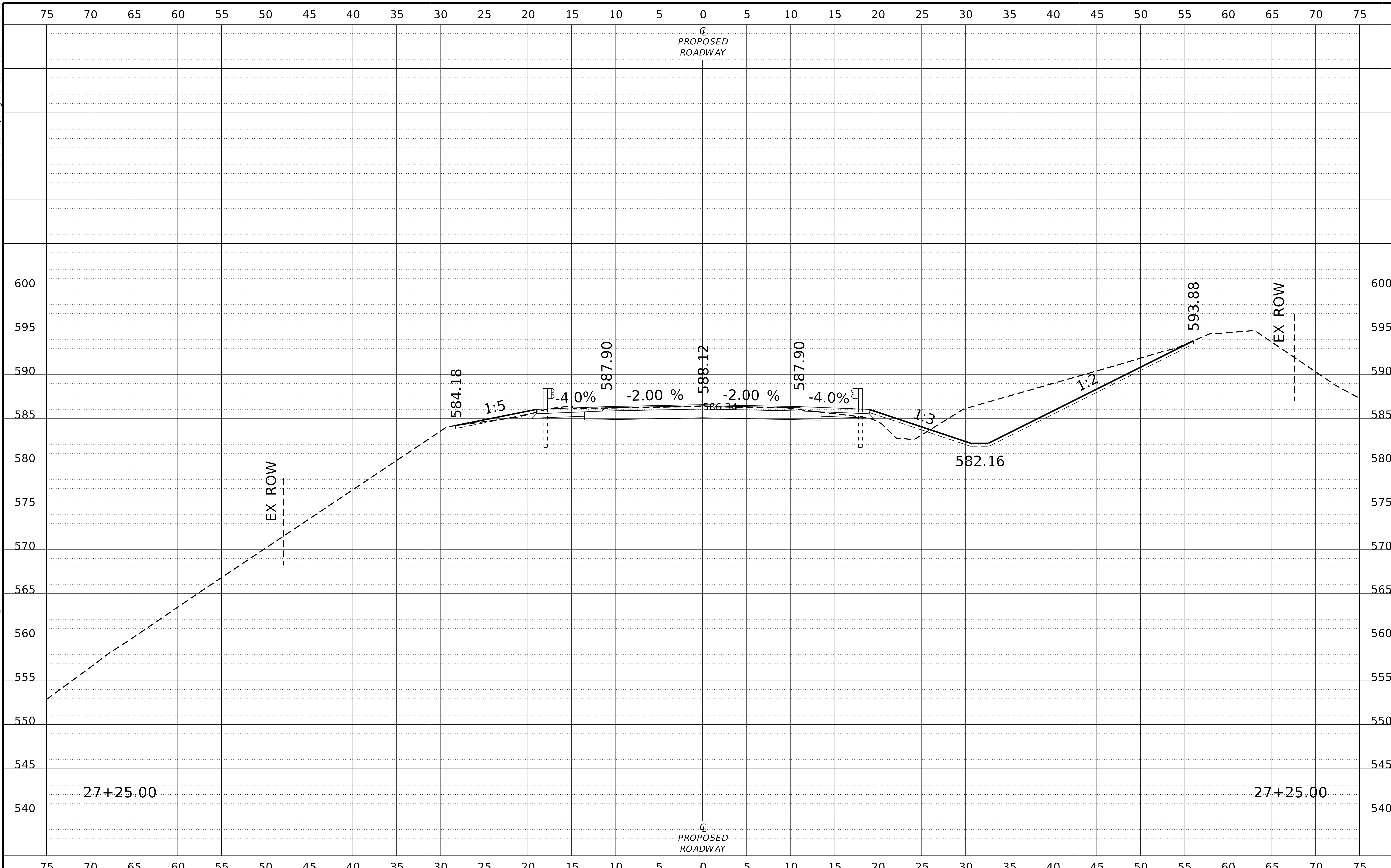

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 50 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	121
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

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

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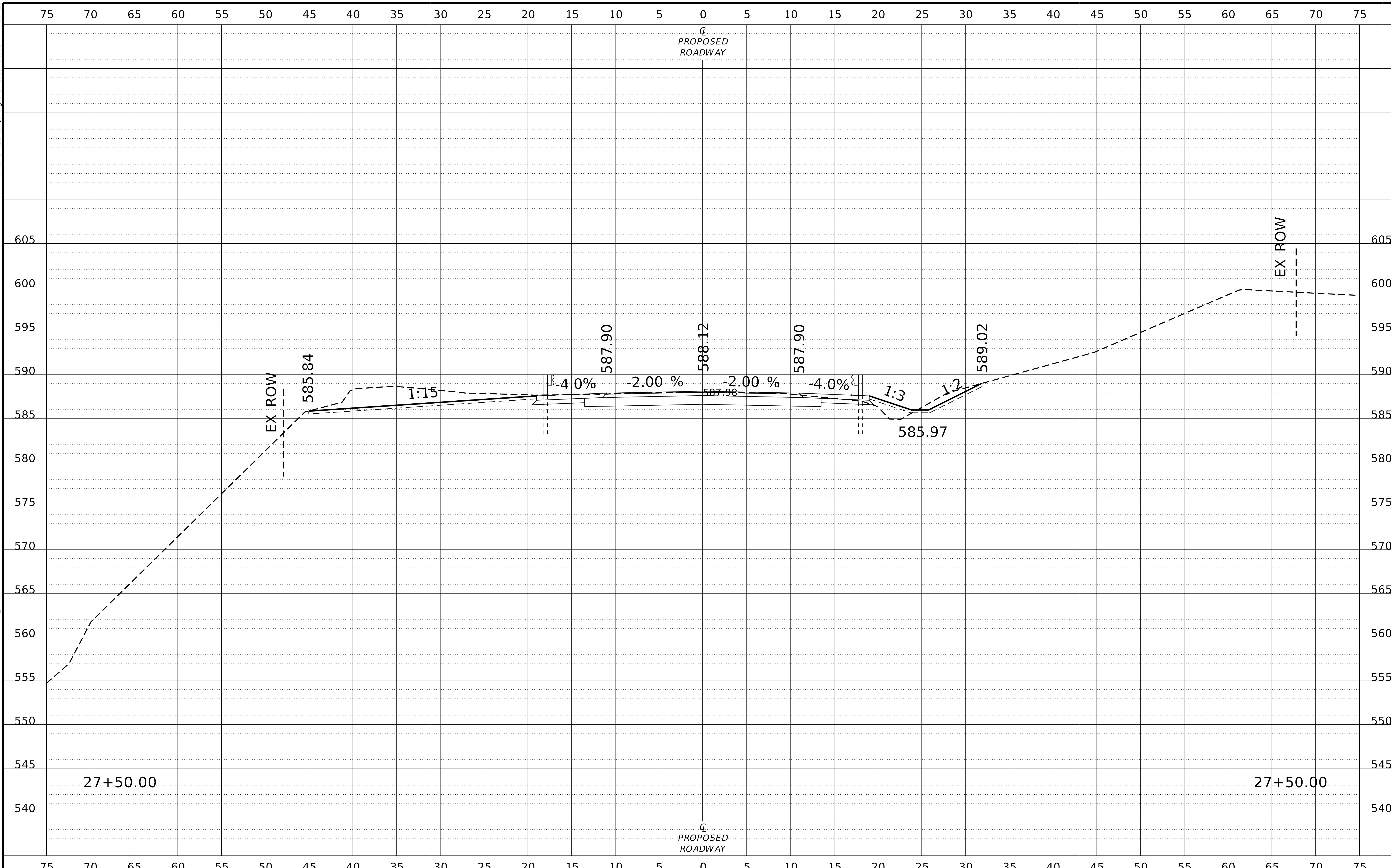

REVISION	DATE	BY	REMARKS

DESIGNED PV
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LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 51 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	122

WHA# 1160D14
CONTRACT NO. 87692
ILLINOIS FED. AID PROJECT 2MQY(061)

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

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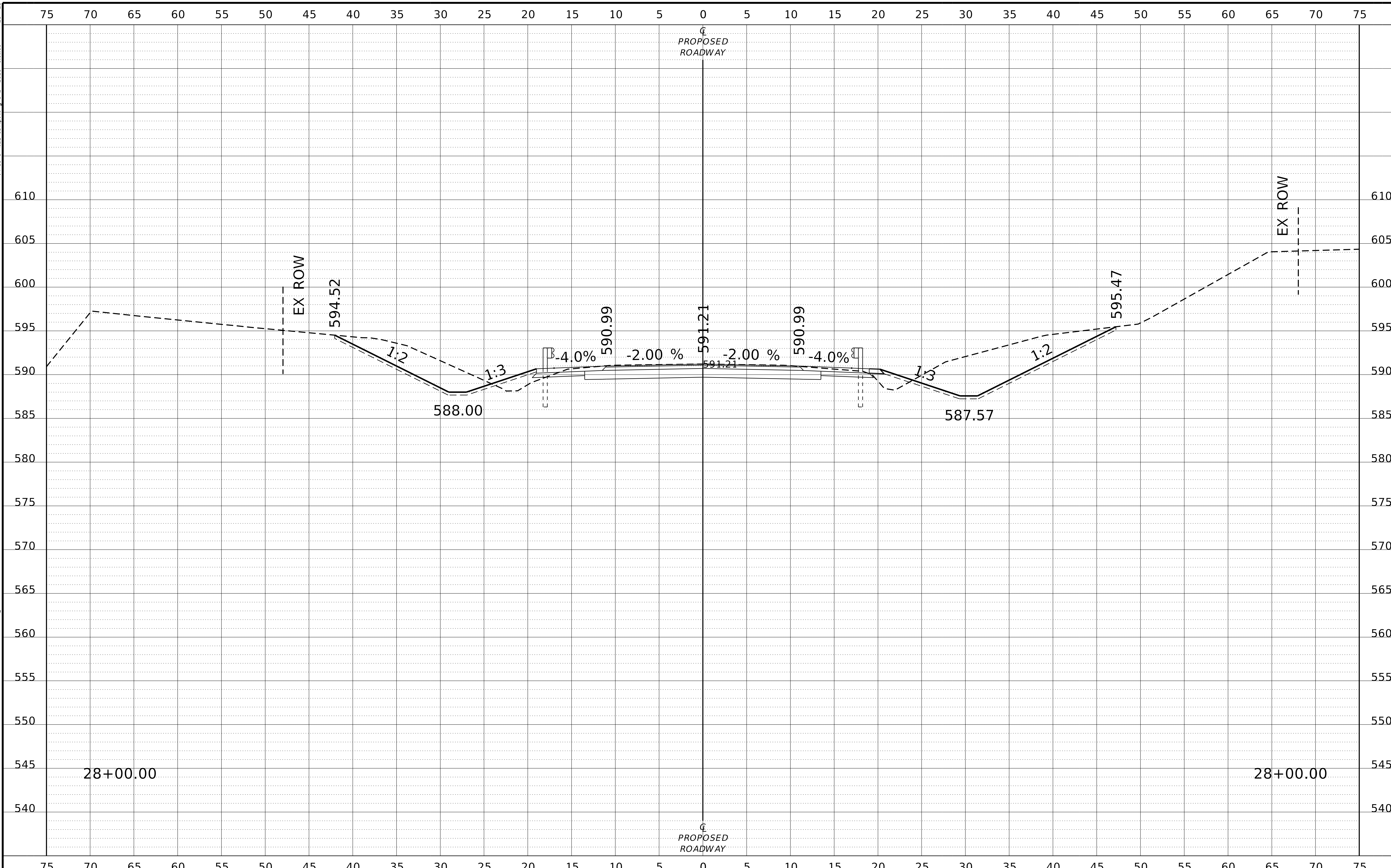

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

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ENGINEERING ARCHITECTURE LAND SURVEYING
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 52 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	123
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS FED. AID PROJECT 2MQY(061)		

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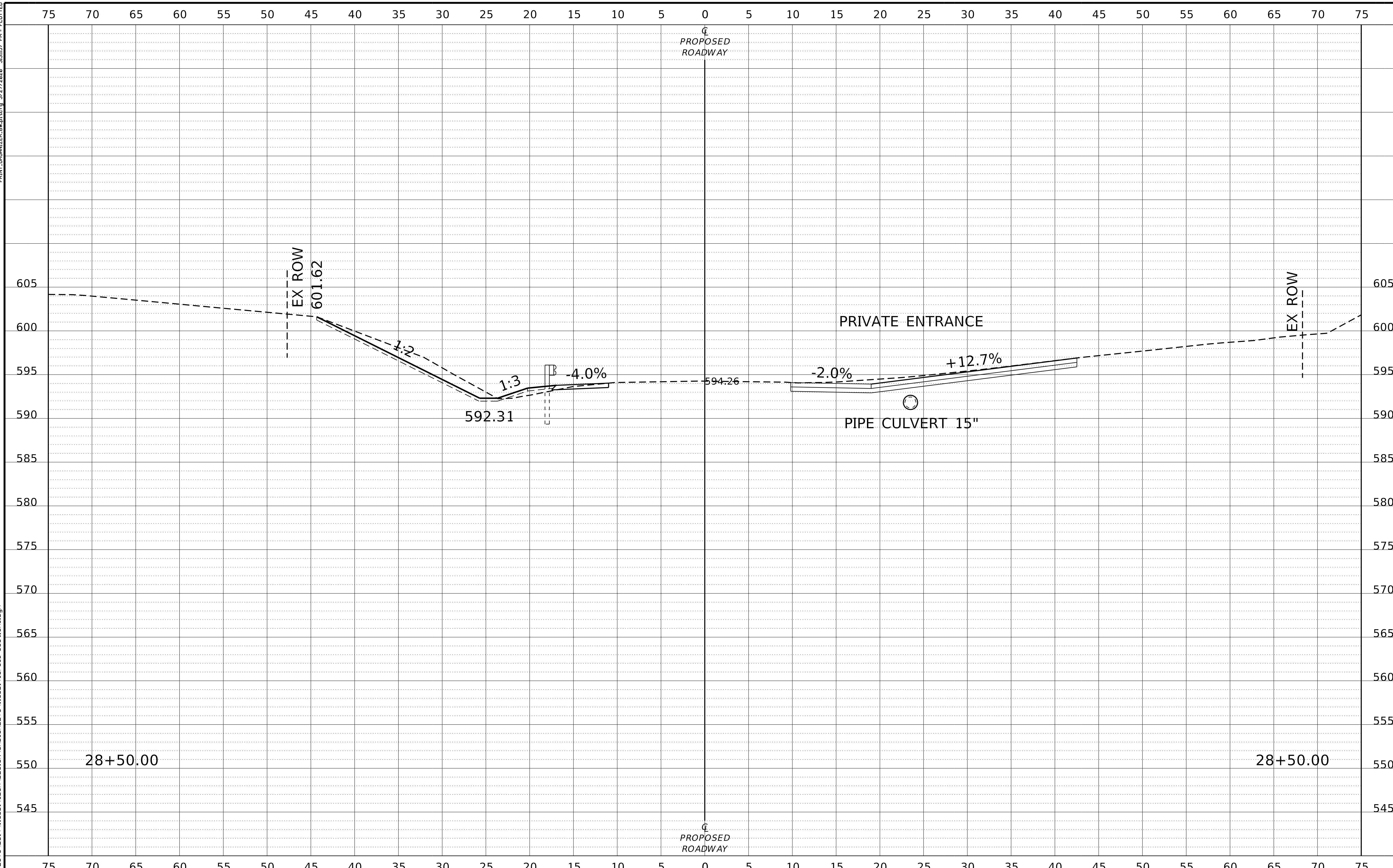

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

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ENGINEERING ARCHITECTURE LAND SURVEYING
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 53 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	124
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

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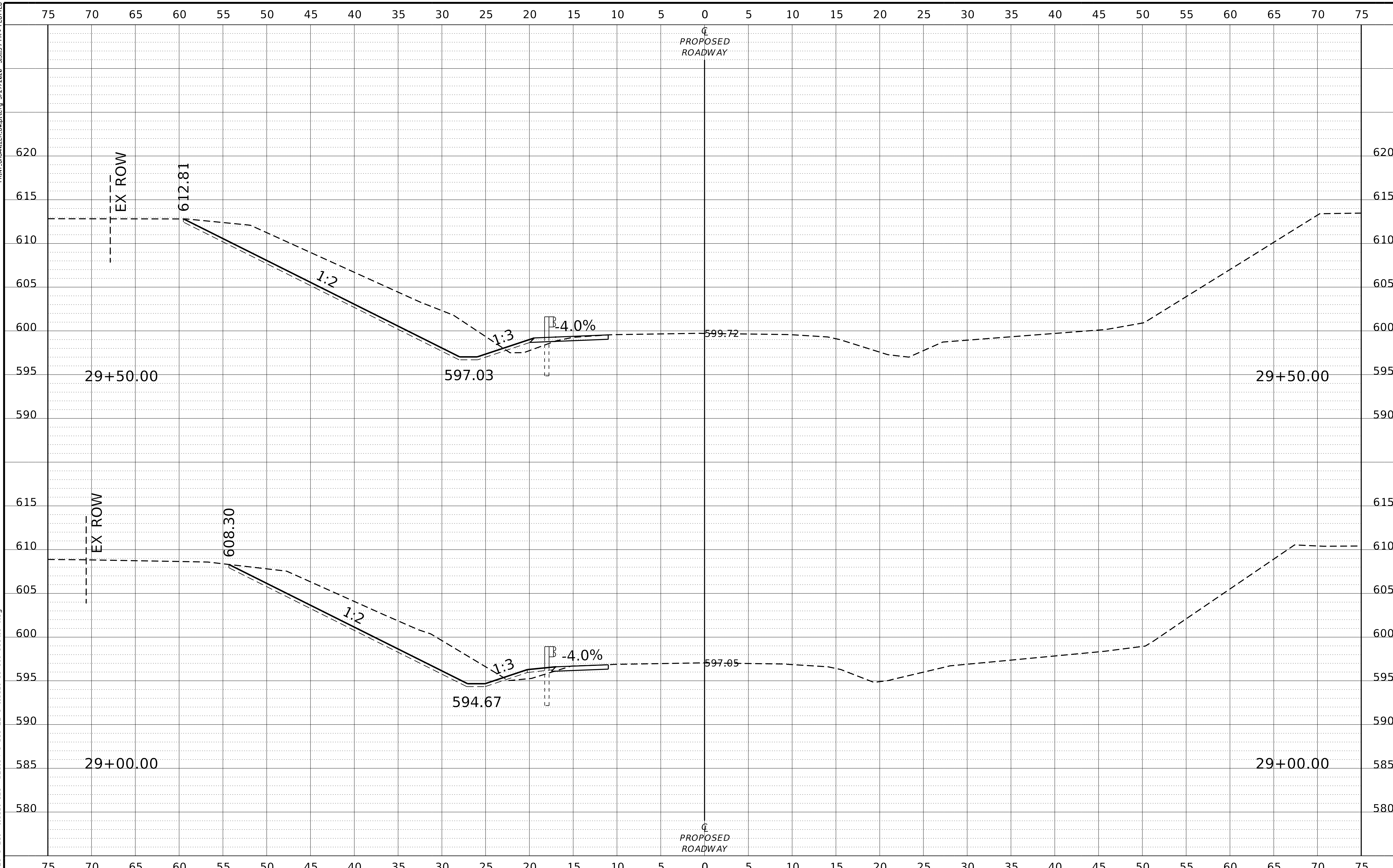

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
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APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
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CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 54 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	125
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT	2MQY(061)

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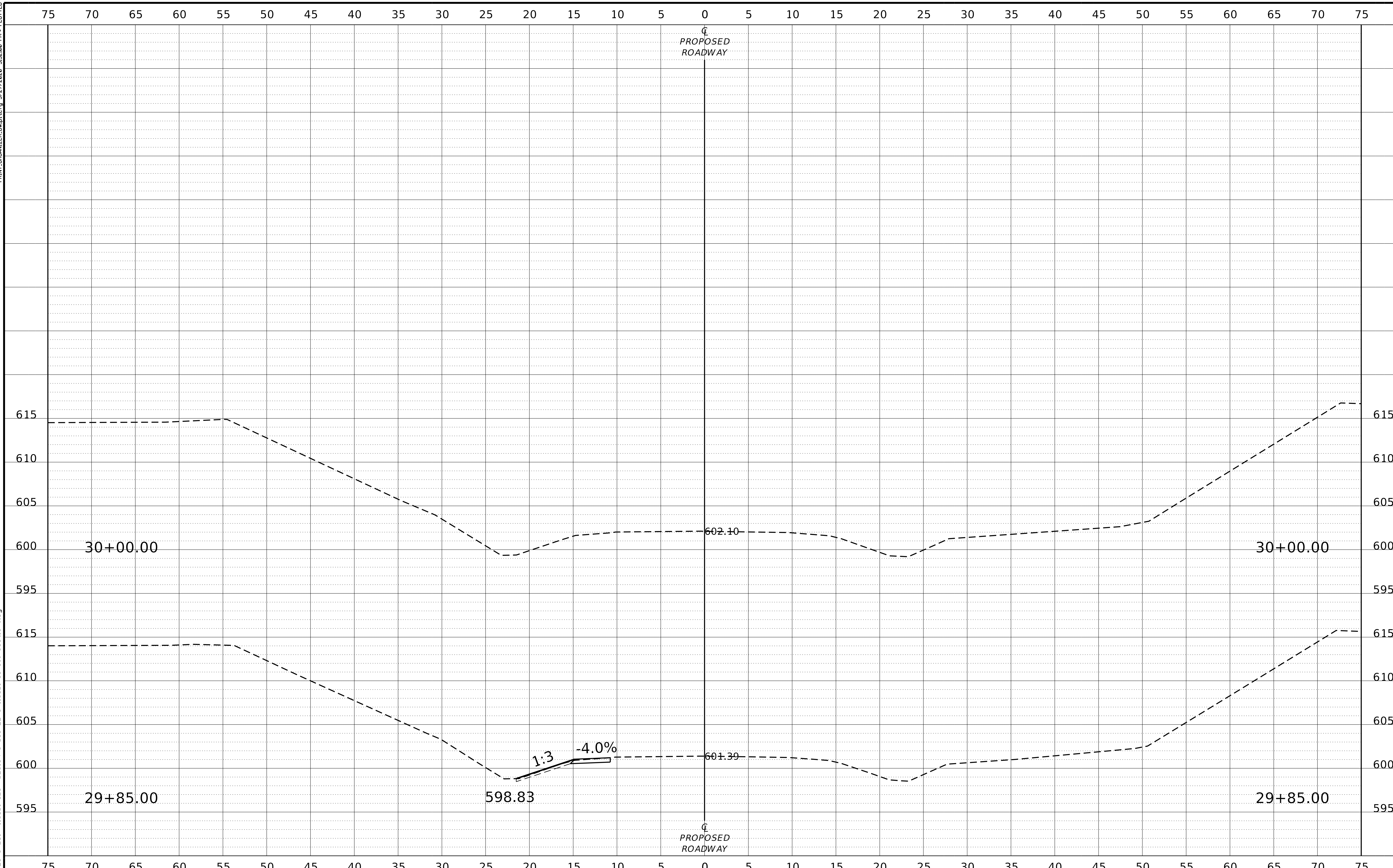

REVISION	DATE	BY	REMARKS

DESIGNED	PV
DRAWN	FDL
REVIEWED	BKC
APPROVED	PLP

LASALLE COUNTY
F.A.S. 263 (C.H. 5) OVER VERMILION RIVER
STATION 20+00

WILLETT HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0367
T: 815-284-3381 DESIGN FIRM: #184-000918

CROSS SECTIONS
COUNTY HIGHWAY 5

CROSS SECTION SHEET NO. 55 OF 55 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
263	14-00763-00-BR	LASALLE	126	126
	WHA# 1160D14	CONTRACT NO. 87692		
		ILLINOIS	FED. AID PROJECT 2MQY(061)	

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

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