

04-25-2025 LETTING ITEM 154
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- 11 SITE 8 PLAN, SN: 13-23-097
- 12 SITE 9 PLAN, SN: 13-10-131
- 13 SITE 10 PLAN, SN: 12-16-061
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- 17-19 CULVERT EXTENSION SITE 1 PLAN (SN: 11-29-037)
- 20-22 CULVERT EXTENSION SITE 11 PLAN (SN: 089-5073)

COUNTY ENGINEER

DALE RASMUSSEN
STEPHENSON COUNTY HIGHWAY DEPARTMENT
295 W. LAMM ROAD
FREEPORT, IL 61032,
(815) 235-7497

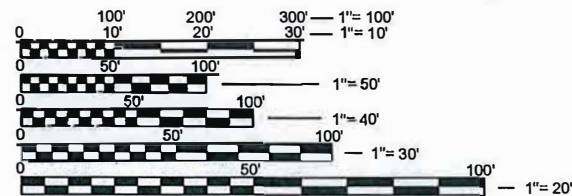
UTILITIES

COMED
prt.il@suicllc.com
PlanSubmittalsand MapRequests@exeloncorp.com

ECOGROVE WINDFARM LLC
NOLAN MULLEN 815-291-9680 (CELL)

FRONTIER COMMUNICATIONS
KALIN HINSHAW 815-895-1515
KALIN.HINSHAW@FTR.COM

MEDIACOM
CHRIS MINARD 815-597-5103 (CELL)
CMINARD@MEDIACOMCC.COM



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

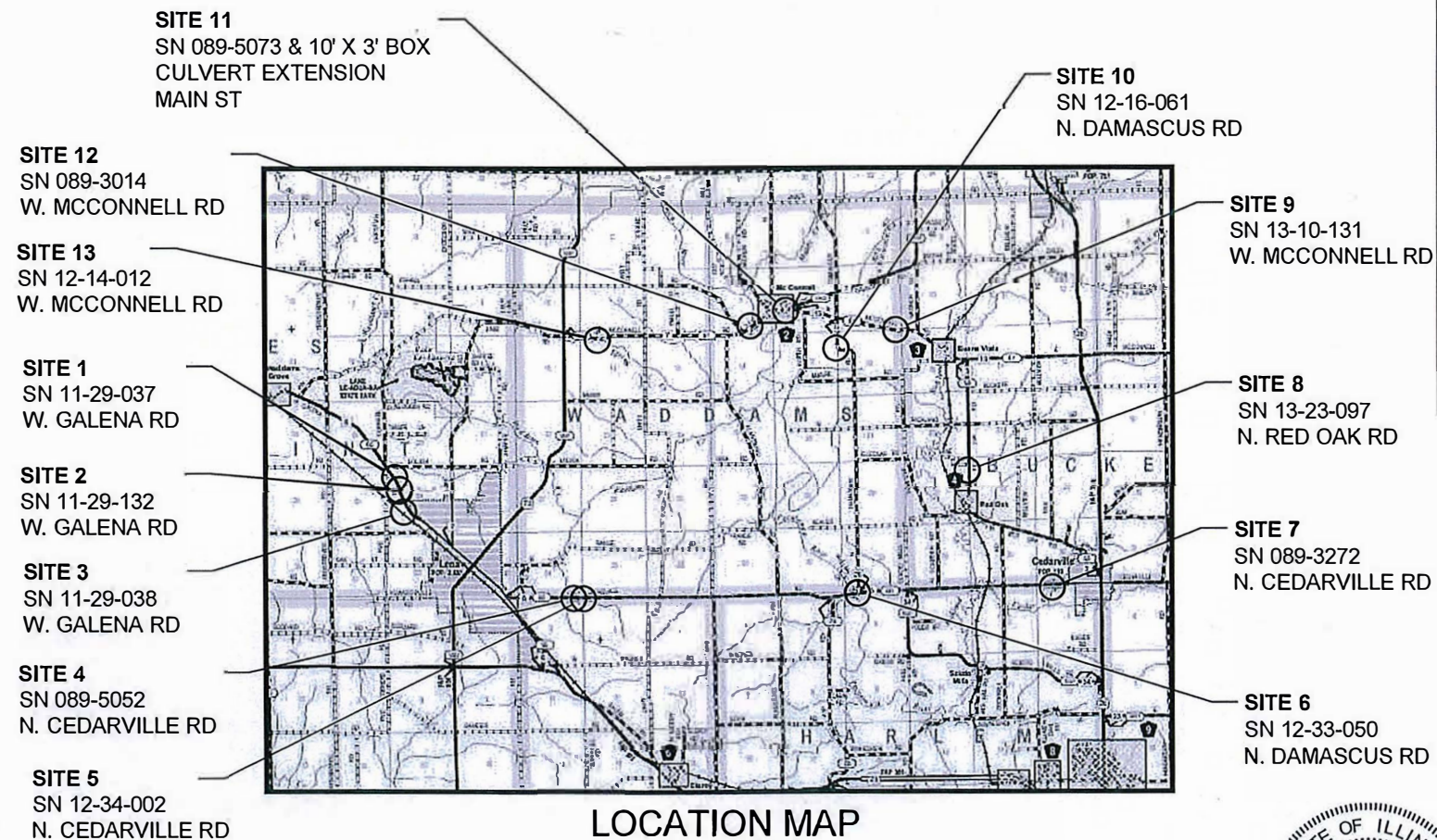
1-800-892-0123
OR 811

HLC PROJECT NO. 8479

STATE OF ILLINOIS
COUNTY OF STEPHENSON

PLANS FOR GUARDRAIL
IMPROVEMENT PROGRAM

HSIP FUNDS
VARIOUS ROUTES
SECTION 22-00192-00-GR
PROJECT NO. YHM4(780)
JOB NO.C-92-085-23
CONTRACT NO. 85776



LOCATION MAP

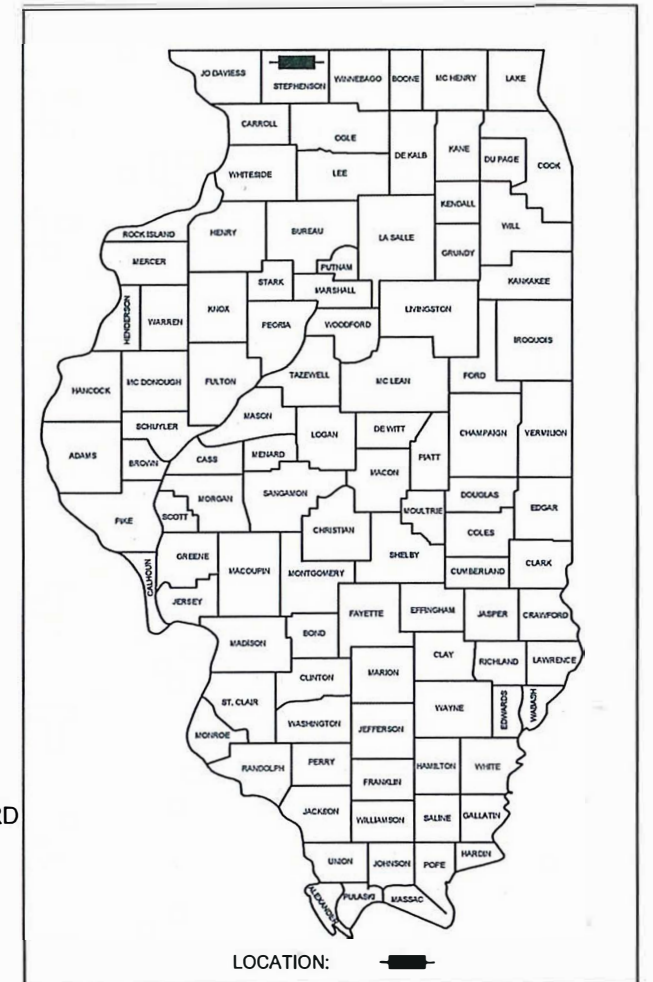
NOTE: ADT, DESIGN SPEED & FUNCTIONAL CLASS INDICATED ON EACH PLAN.

EACH LOCATION INCLUDES AN INVENTORY, SURVEY, ASSESSMENT AND DESIGN OF GUARDRAIL TO MEET CURRENT IDOT LOCAL ROADS DESIGN STANDARDS



Mark L. Painter, P.E. 2/18/2025
MARK L. PAINTER, P.E.
LICENSE EXPIRES: 11/30/2025

DATE:



AGENCY RESPONSIBLE FOR LETTING	
Approved	<i>[Signature]</i> County Engineer Local Agency, Position
Passed	<i>[Signature]</i> District Engineer of Local Roads & Streets
Releasing for Bid Based on Limited Review	<i>[Signature]</i> Deputy Director of Highways, Region # Engineer

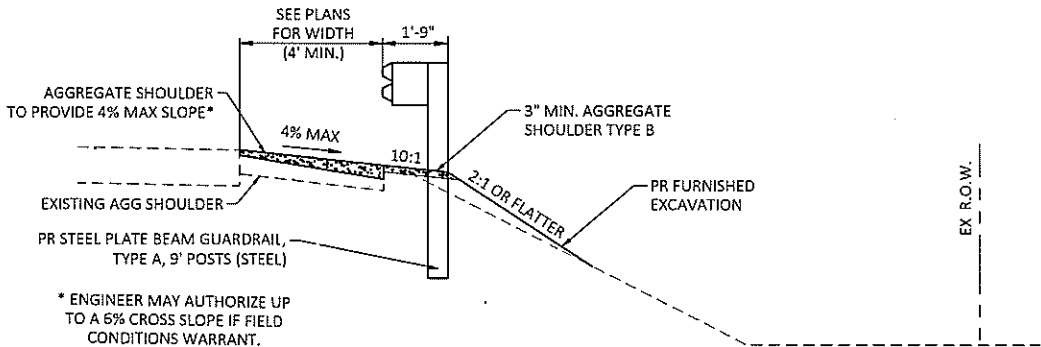
CHASTAIN
& ASSOCIATES LLC
CONSULTING ENGINEERS
DECATUR (217) 422-8544
SCHAUMBURG (773) 714-0050
ROCKFORD (815) 489-0050
184-001397

GENERAL NOTES

1. THIS PROJECT IS LOCATED ON VARIOUS ROUTES IN STEPHENSON COUNTY. THE WORK INCLUDED IN THE SECTION CONSISTS OF VARIOUS TYPES OF GUARDRAIL REMOVAL, REPLACEMENT, AND ALL OTHER WORK NECESSARY TO COMPLETE THE PROJECT.
2. NO MATERIAL SHALL BE LEFT ON OR NEAR THE ROADWAY DURING NON-WORKING HOURS.
3. ANY NECESSARY TRAFFIC CONTROL WILL BE PROVIDED BY THE CONTRACTOR. APPROPRIATE STANDARDS ARE INCLUDED IN THE PLANS AND CONTRACT DOCUMENTS.
4. ILLINOIS STATE LAW REQUIRES 48 HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. (PHONE 800-892-0123) OR FOR NON-MEMBERS, BY CONTACTING THE UTILITY COMPANY DIRECTLY.
5. WHEN NO WORK IS BEING PERFORMED, THE FLAGGERS WILL NOT BE REQUIRED. IF THE FLAGGERS ARE NOT PRESENT, THE FLAGGER SIGNS SHALL BE REMOVED OR COVERED.
6. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.
7. ARTICLE 701.20 OF THE STANDARD SPECIFICATIONS DISCUSSES AN ADJUSTED UNIT PRICE. NO ADJUSTMENTS SHALL BE MADE TO THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS FOR THIS CONTRACT.
8. THE CONTRACTOR IS ADVISED THAT THE GUARDRAIL AND TERMINAL PAY ITEMS INCLUDED IN THE PLANS WILL BE USED TO REPLACE STEEL PLATE BEAM GUARDRAIL AND TRAFFIC BARRIER TERMINALS FOR EITHER CURRENT MIDWEST STYLES OR STEEL PLATE BEAM GUARDRAIL AND TRAFFIC BARRIER TERMINALS INSTALLED PRIOR TO JANUARY 1, 2007. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR UTILIZING THE CURRENT MIDWEST STANDARDS.
9. THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF SEEDING, CLASS 2A (SPECIAL).
10. ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.
11. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE REVISION NUMBER SHOWN ON THE LIST OF ILLINOIS DOT HIGHWAY STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
12. GUARDRAIL POSTS THAT NEED TO BE DRIVEN THROUGH EXISTING HOT-MIX ASPHALT SHOULDERS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF STEEL PLATE BEAM GUARDRAIL.
13. REMOVED GUARDRAIL THAT IS NOT REPLACED ON THE SAME DAY MUST BE DELINEATED WITH LIGHTED BARRICADES. NO LOCATIONS SHALL BE LEFT WITHOUT EITHER LIGHTED BARRICADES OR RESTORED GUARDRAIL AT ANY TIME. ALL GUARDRAIL SHALL BE REPLACED WITHIN FIVE DAYS OF REMOVAL.
14. FURNISHED EXCAVATION, AS SHOWN, IS FOR CONSTRUCTION OF THE PROPOSED SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS AND FOR SHOULDER WIDENING ALONG STEEL PLATE BEAM GUARDRAIL AS NEEDED. SHOULDER WIDENING AT TYPE 1 (SPECIAL) TERMINALS SHALL BE AS SHOWN ON STANDARD 630301. SHOULDER WIDENING AT STEEL PLATE BEAM GUARDRAIL TYPE A, NINE FOOT POSTS WILL BE TO THE FACE OF THE POST AS SHOWN ON STANDARD 630001. QUANTITIES SHOWN ARE APPROXIMATE.
15. TYPE 5A & 6 TERMINALS WILL BE EVALUATED BY THE ENGINEER FOR SALVAGE & REUSE. CONTRACTOR SHALL COORDINATE WITH ENGINEER PRIOR TO REMOVAL OF TERMINALS.
16. ANY EXISTING SIGNAGE IN CONFLICT TO BE RELOCATED DURING CONSTRUCTION SHALL BE INCEDENTAL.

COMMITMENTS

NONE



PROPOSED TYPICAL SECTION - AGGREGATE SHOULDER
GUARDRAIL WITH 9' POSTS (AGGREGATE SHOULDER)

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-10	TRAFFIC CONTROL DEVICES
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS MARKERS AND DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPE A AND B METAL POSTS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 26-3	STEEL PLATE BEAM GUARDRAIL, 29 in. (731 mm) HEIGHT
BLR 27-1	TRAFFIC BARRIER TERMINAL TYPE 5A

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE: 0021

Code Number	Pay Item	Unit	Total
20200100	EARTH EXCAVATION	CU-YD	311
20700220	POROUS GRANULAR EMBANKMENT	CU-YD	41.0
28100107	STONE RIPRAP, CLASS A4	SQ-YD	9
28200200	FILTER FABRIC	SQ-YD	10
35102400	AGGREGATE BASE COURSE, TYPE B, 12"	SQ-YD	24
40701801	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"	SQ-YD	24
44000100	PAVEMENT REMOVAL	SQ-YD	24
48101200	AGGREGATE SHOULDER, TYPE B	TON	860
50102400	CONCRETE REMOVAL	CU-YD	16
50200100	STRUCTURE EXCAVATION	CU-YD	70
50800105	REINFORCEMENT BARS	POUND	5810
54002020	EXPANSION BOLTS 3/4 INCH	EACH	40
54003000	CONCRETE BOX CULVERTS	CU-YD	31.2
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	5325
* 63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	143.75
* 63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	43.75
* 63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	143.75
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	12
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	35
63200310	GUARDRAIL REMOVAL	FOOT	3970
67100100	MOBILIZATION	L SUM	1
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	35
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	98
* X2501000	SEEDING, CLASS 2A (SPECIAL)	ACRE	1.16
X4020700	AGGREGATE SURFACE COURSE, TYPE B 8"	SQ-YD	92
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ-YD	39.0
* X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	FOOT	546.30
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1

* SPECIALTY ITEM

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USER NAME	DESIGNED - MLP	REVISED -
	DRAWN - ARF	REVISED -
PLOT SCALE	CHECKED - MLP	REVISED -
PLOT DATE	DATE - 2/18/25	REVISED -

CHASTAIN & ASSOCIATES LLC
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6832 STALTER DRIVE
SUITE 100
ROCKFORD, ILLINOIS 61108
OFFICE (815) 488-0050
www.chastainengineers.com

GENERAL NOTES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	2
CONTRACT NO.				
ILLINOIS FED AID PROJECT				



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		DRAWN	-	ARF	REVISED	-
PLOT SCALE	=	CHECKED	-	MLP	REVISED	-
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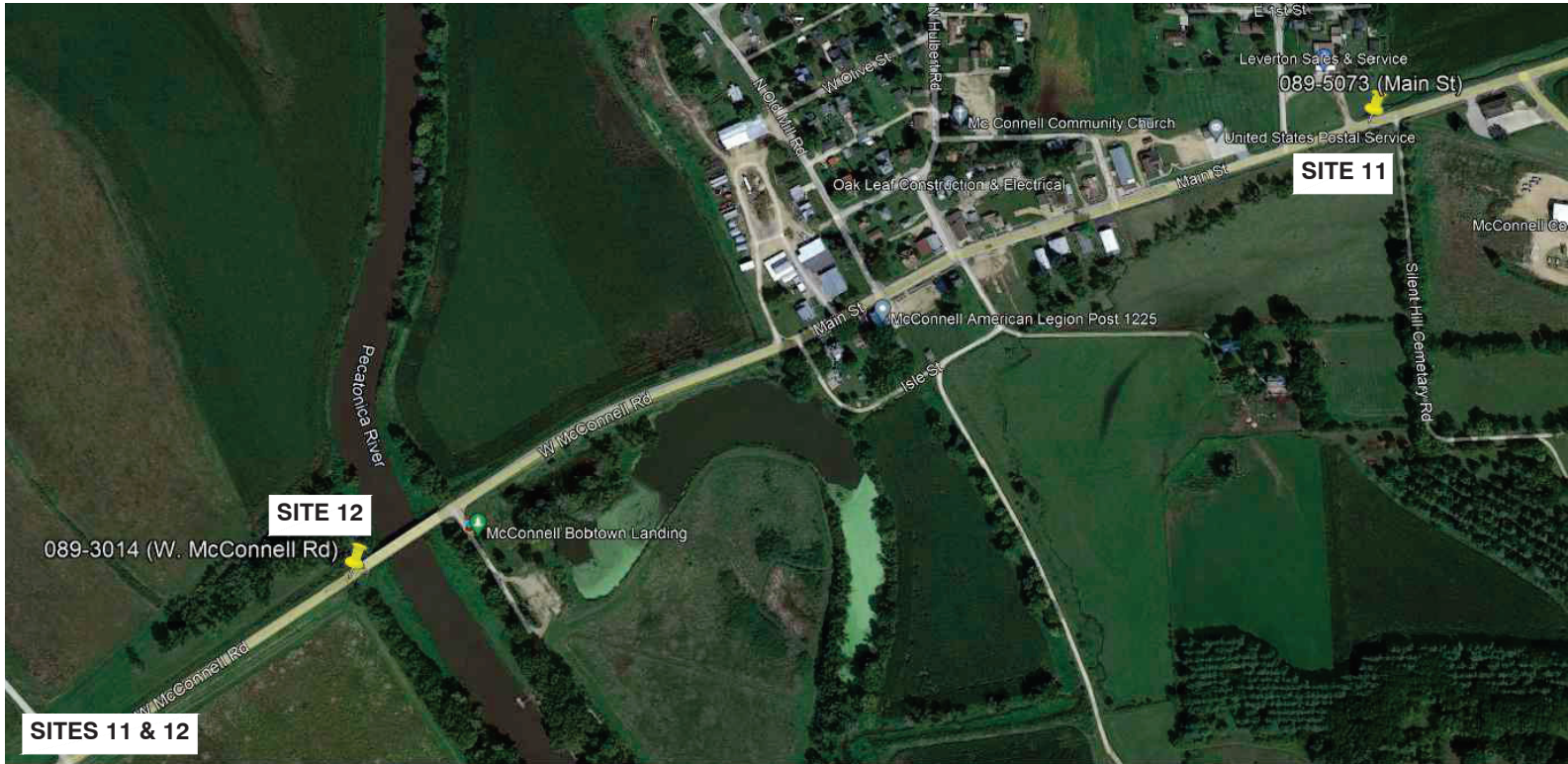
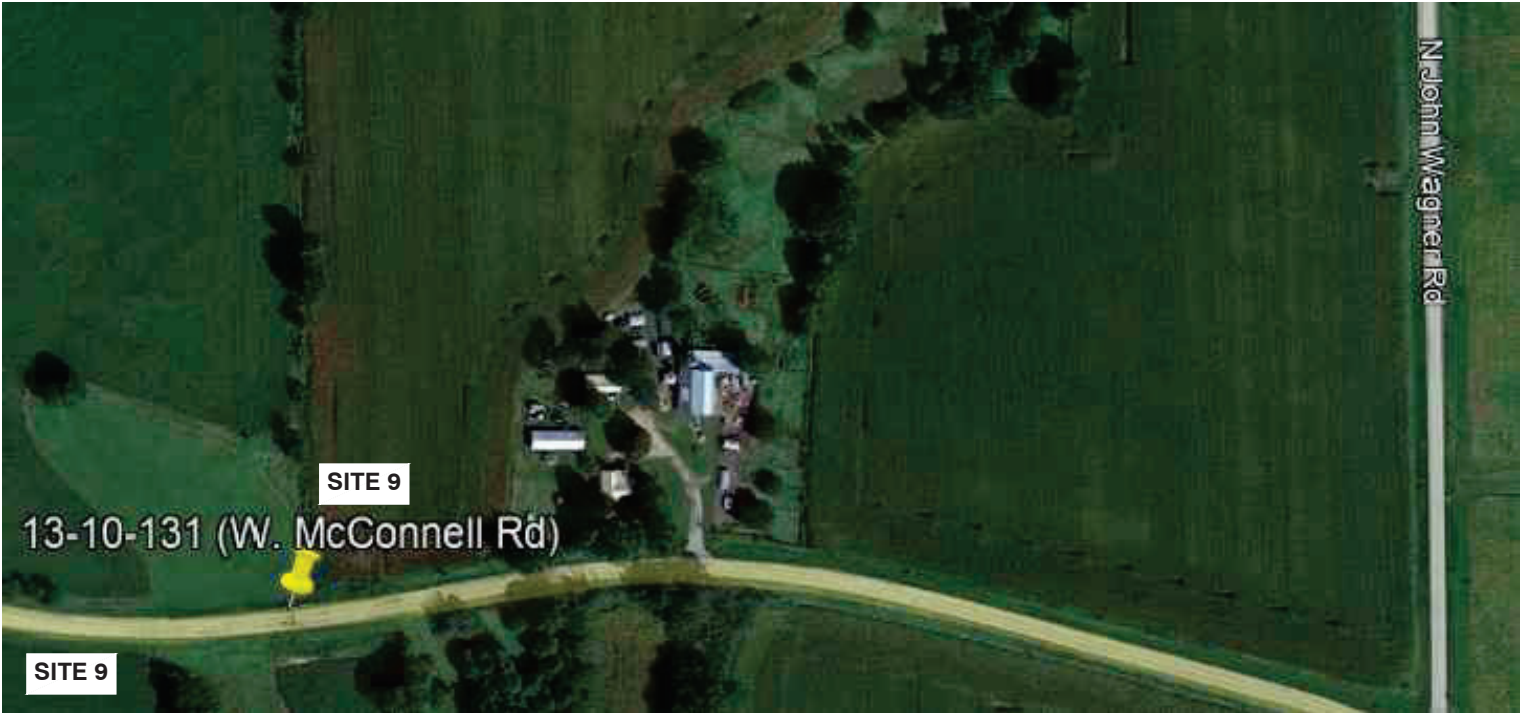
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LOCATION MAP

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. I.V.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	3
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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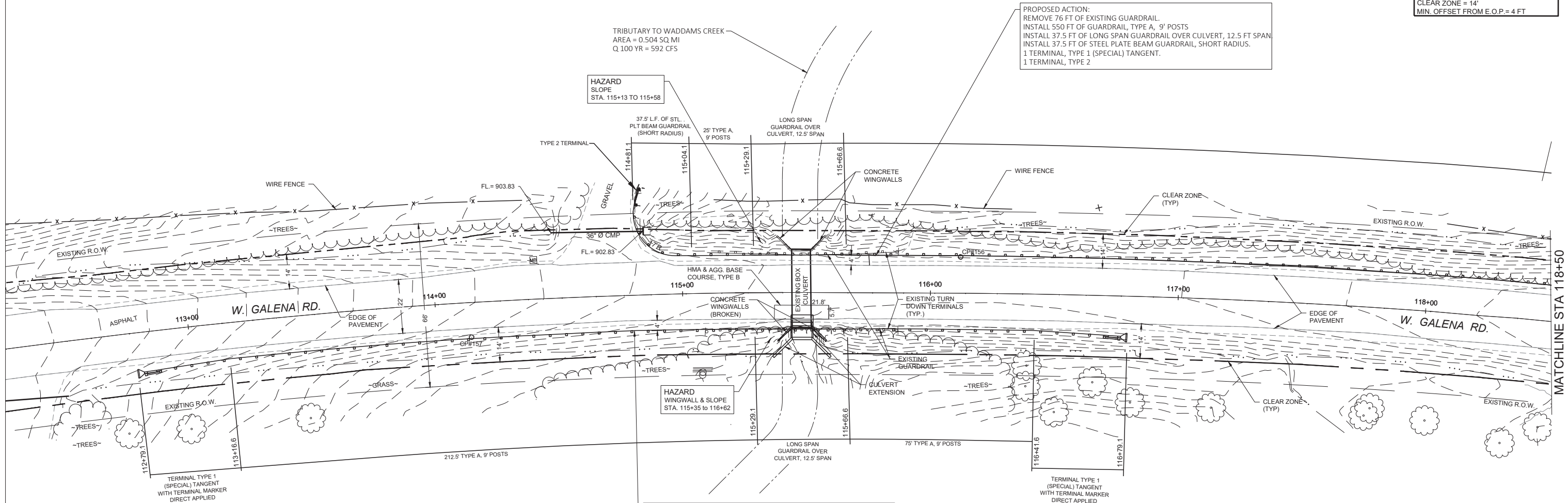
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		DRAWN	-	ARF	REVISED	-
PLOT SCALE	=	CHECKED	-	MLP	REVISED	-
PLOT DATE	=	DATE	-	1/29/25	REVISED	-

LOCATION MAP

SHEET OF SHEETS STA. TO STA.

F.A.S. R.V.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	4
CONTRACT NO. _____				
		ILLINOIS	FED. AID PROJECT	

LOCATION NO. 11-29-037
ADT 1900
DESIGN SPEED 55 MPH
MAJOR COLLECTOR
CLEAR ZONE = 14'
MIN. OFFSET FROM E.O.P. = 4 FT

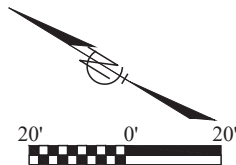
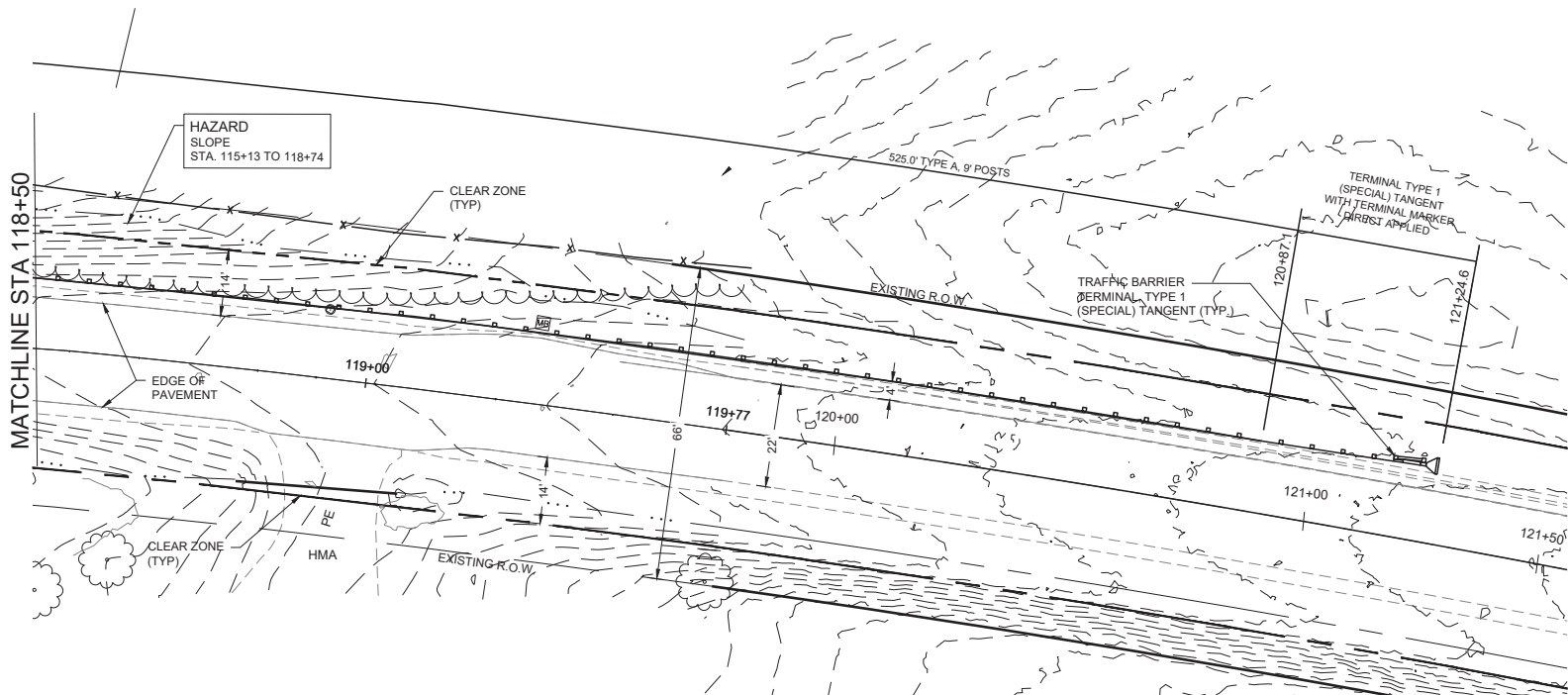


LOCATION ID	SN 11-29-037 (W. Galena Rd)			
PAY ITEM #	PAY ITEM	UNITS	QTY	
20200100	EARTH EXCAVATION	CU-YD	41	
20700220	POROUS GRANULAR EMBANKMENT	CU-YD	21	
28100107	STONE RIPRAP, CLASS A4	SQ-YD	0	
28200200	FILTER FABRIC	SQ-YD	0	
35102400	AGGREGATE BASE COURSE, TYPE B, 12"	SQ-YD	14	
40701801	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"	SQ-YD	14	
44000100	PAVEMENT REMOVAL	SQ-YD	14	
48101200	AGGREGATE SHOULDER, TYPE B	TON	24	
50102400	CONCRETE REMOVAL	CU-YD	9	
50200100	STRUCTURE EXCAVATION	CU-YD	49	
50800105	REINFORCEMENT BARS	POUND	2420	
54002020	EXPANSION BOLTS 3/4 INCH	EACH	22	
54003000	CONCRETE BOX CULVERTS	CU-YD	14.0	
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	837.50	
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	25	
63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	0	
63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	0	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	0	
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	0	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	
63200310	GUARDRAIL REMOVAL	FOOT	152	
67100100	MOBILIZATION	L SUM	0.083	
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3.0	
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	4	
X2501000	SEEDING, CLASS 2A (SPECIAL)	ACRE	0.06	
X4020700	AGGREGATE SURFACE COURSE, TYPE B 8"	SQ-YD	0	
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ-YD	15.0	
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	FOOT	37.5	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	0.083	
Z0013798	CONSTRUCTION LAYOUT	L SUM	0.083	

PROPOSED ACTION:
REMOVE 76 FT OF EXISTING GUARDRAIL.
INSTALL 287.5 FT OF GUARDRAIL, TYPE A, 9' POSTS.
INSTALL 37.5 FT OF LONG SPAN GUARDRAIL OVER CULVERT, 12.5 FT SPAN
2 TERMINALS, TYPE 1 (SPECIAL) TANGENT.

KEYNOTES

- 1 REMOVE 2'-0" MIN. LENGTH OF EXISTING BOX CULVERT, AND REMOVE WINGWALLS AS INDICATED ON SHEET 19.
- 2 EXTEND EXISTING BOX CULVERT 5'-0" AS INDICATED ON SHEETS 17 THROUGH 19.



LEGEND

	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND

MODEL: \$MODEL\$
FILE NAME: R:\P\1\County\85776\Stephenson Co H&P Guardrail Replacement\StephensonCo_128479_SN 11-29-037_PLANDWG

USER NAME	=	DESIGNED	-	MLP	REVISED	-
		DRAWN	-	ARF	REVISED	-
PLOT SCALE	=	CHECKED	-	MLP	REVISED	-
PLOT DATE	=	DATE	-	2/18/25	REVISED	-

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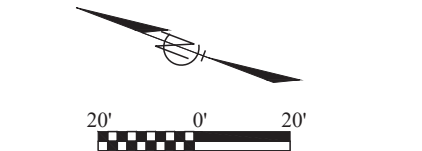
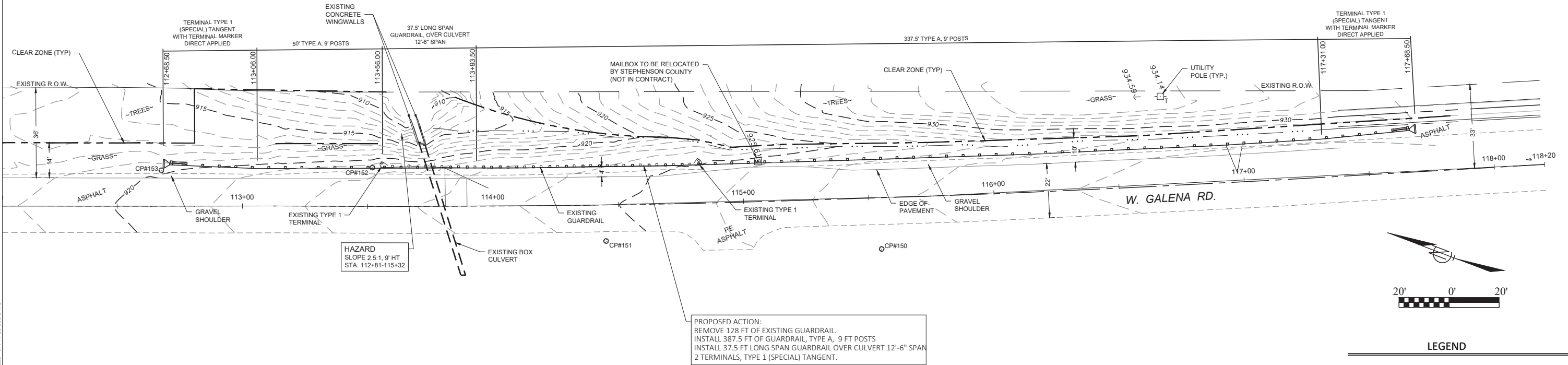
SITE 1 (SN 11-29-037)
W. GALENA RD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	5
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

LOCATION ID	SN 11-29-132 (W. Galena Rd)		
PAY ITEM #	PAY ITEM	UNITS	QTY
20200100	EARTH EXCAVATION	CU-YD	19
20700220	POROUS GRANULAR EMBANKMENT	CU-YD	0
28100107	STONE RIPRAP, CLASS A4	SQ-YD	0
28200200	FILTER FABRIC	SQ-YD	0
35102400	AGGREGATE BASE COURSE, TYPE B, 12"	SQ-YD	0
40701801	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"	SQ-YD	0
44000100	PAVEMENT REMOVAL	SQ-YD	0
48101200	AGGREGATE SHOULDER, TYPE B	TON	54
50102400	CONCRETE REMOVAL	CU-YD	0
50200100	STRUCTURE EXCAVATION	CU-YD	0
50800105	REINFORCEMENT BARS	POUND	0
54003000	CONCRETE BOX CULVERTS	CU-YD	0
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	387.5
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	37.5
63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	0
63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	0
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	0
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
63200310	GUARDRAIL REMOVAL	FOOT	128
67100100	MOBILIZATION	L SUM	0.083
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	6
X2501000	SEEDING, CLASS 2A (SPECIAL)	ACRE	0.07
X4020700	AGGREGATE SURFACE COURSE, TYPE B 8"	SQ-YD	0
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ-YD	0
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	FOOT	0
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	0.083
Z0013798	CONSTRUCTION LAYOUT	L SUM	0.083

LOCATION SN 11-29-132
ADT 1900
DESIGN SPEED 55 MPH
MAJOR COLLECTOR
CLEAR ZONE = 14' & TOE OF BACK SLOPE
MIN. OFFSET FROM E.O.P.= 4 FT



LEGEND	
	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND

MODEL: \$MODEL\$
FILE NAME: R:\P\ County\9479 Stephenson co H&P Guardrail Replacement\StephensonCo_10\11223022\ SN 11-29-038.DWG

USER NAME	=	DESIGNED	-	MLP	REVISED	-
		DRAWN	-	ARF	REVISED	-
PLOT SCALE	=	CHECKED	-	MLP	REVISED	-
PLOT DATE	=	DATE	-	2/18/25	REVISED	-

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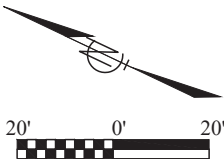
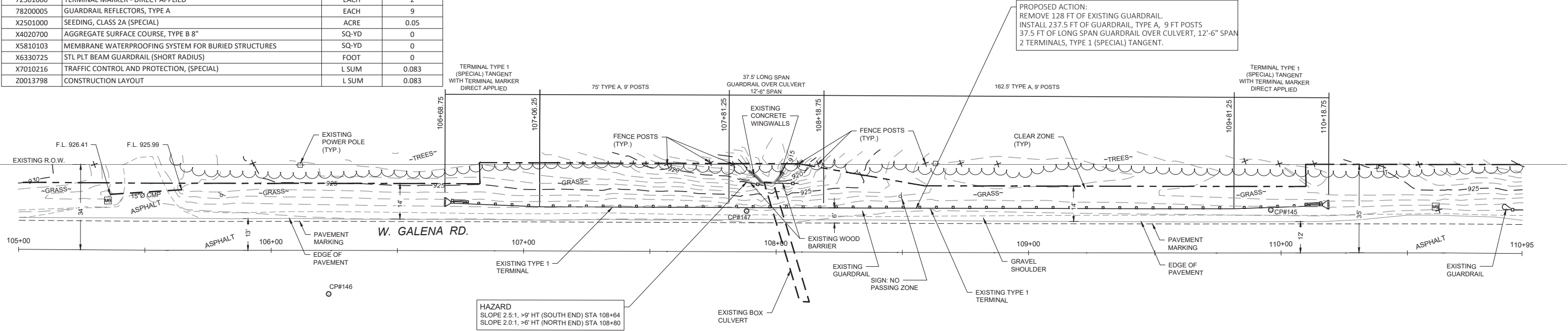
SITE 2 (SN 11-29-132)
W. GALENA RD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	6
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

LOCATION NO. 11-29-038
ADT 1900
DESIGN SPEED 55 MPH
MAJOR COLLECTOR
CLEAR ZONE = 14' & TOE OF BACKSLOPE
MIN. OFFSET FROM E.O.P. = 6 FT

LOCATION ID	SN 11-29-038 (W. Galena Rd)		
PAY ITEM #	PAY ITEM	UNITS	QTY
20200100	EARTH EXCAVATION	CU-YD	18
20700220	POROUS GRANULAR EMBANKMENT	CU-YD	0
28100107	STONE RIPRAP, CLASS A4	SQ-YD	0
28200200	FILTER FABRIC	SQ-YD	0
35102400	AGGREGATE BASE COURSE, TYPE B, 12"	SQ-YD	0
40701801	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"	SQ-YD	0
44000100	PAVEMENT REMOVAL	SQ-YD	0
48101200	AGGREGATE SHOULDER, TYPE B	TON	47
50102400	CONCRETE REMOVAL	CU-YD	0
50200100	STRUCTURE EXCAVATION	CU-YD	0
50800105	REINFORCEMENT BARS	POUND	0
54003000	CONCRETE BOX CULVERTS	CU-YD	0
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	237.5
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	37.5
63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	0
63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	0
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	0
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
63200310	GUARDRAIL REMOVAL	FOOT	128
67100100	MOBILIZATION	L SUM	0.083
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	9
X2501000	SEEDING, CLASS 2A (SPECIAL)	ACRE	0.05
X4020700	AGGREGATE SURFACE COURSE, TYPE B 8"	SQ-YD	0
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ-YD	0
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	FOOT	0
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	0.083
Z0013798	CONSTRUCTION LAYOUT	L SUM	0.083



LEGEND

	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND

MODEL: \$MODEL\$
FILE NAME: R:\P\ County\9479 Stephenson co H&P Guardrail Replacement\StephensonCo_10x112230221 - SN 11-29-038.DWG

USER NAME	=	DESIGNED	-	MLP	REVISED	-
		DRAWN	-	ARF	REVISED	-
PLOT SCALE	=	CHECKED	-	MLP	REVISED	-
PLOT DATE	=	DATE	-	2/18/25	REVISED	-

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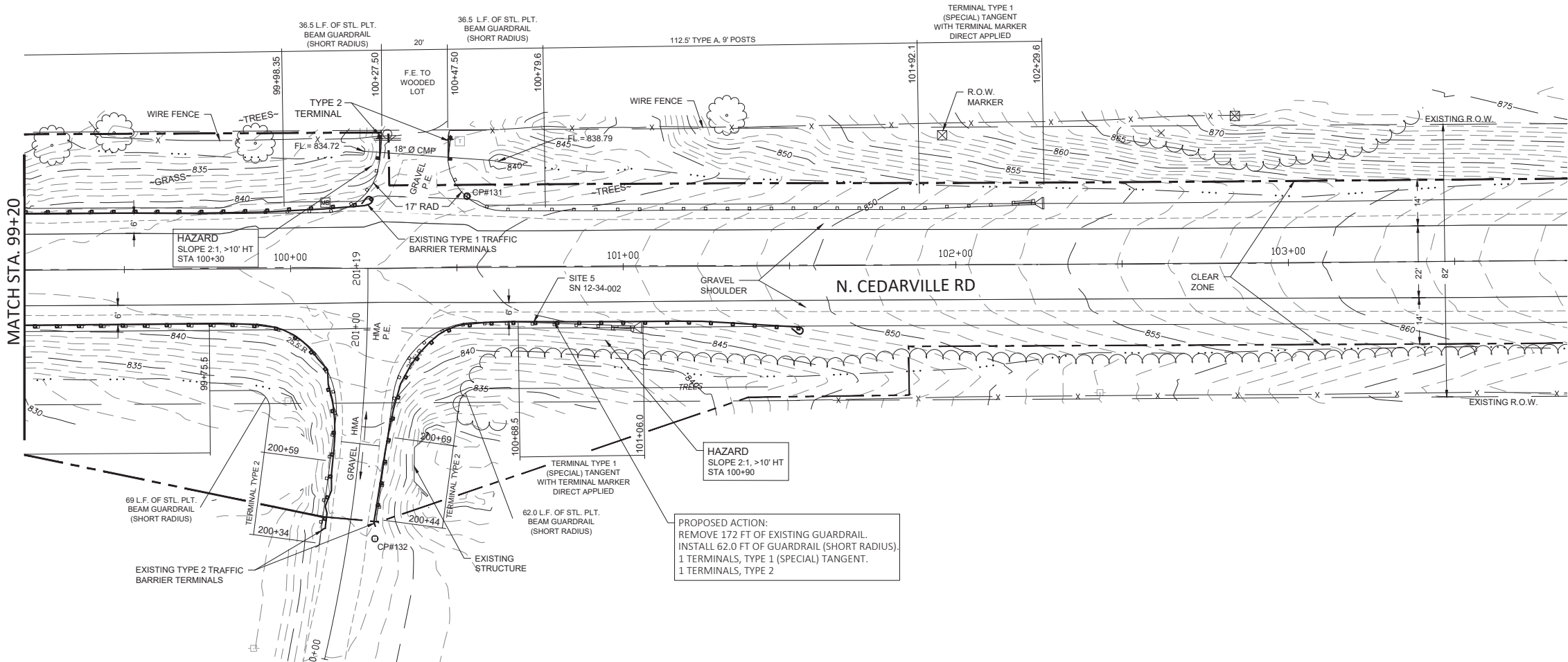
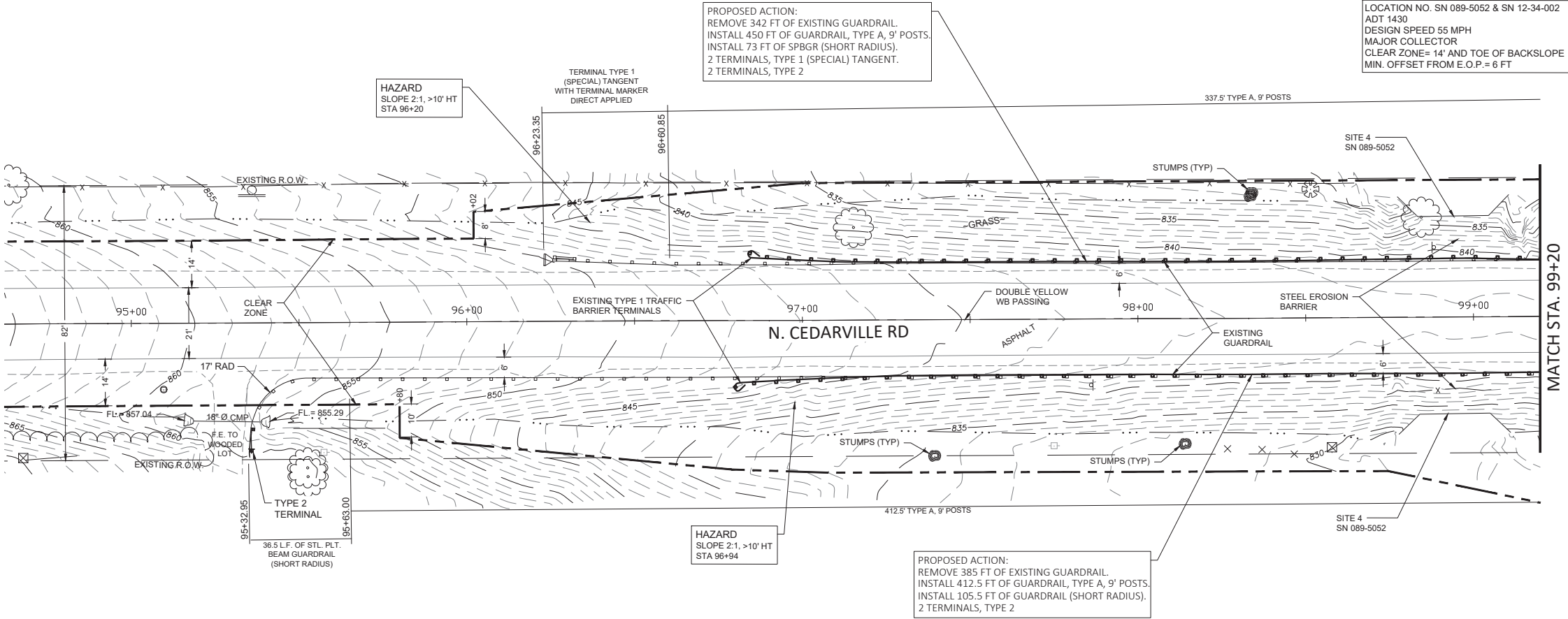
6832 STALTER DRIVE
SUITE 100
ROCKFORD, ILLINOIS 61108
OFFICE (815) 459-0050
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SITE 3 (SN 11-29-038)
W.GALENA RD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	7
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

LOCATION ID	SN 089-5052 & SN 13-34-002 (N. Cedarville Rd)		
PAY ITEM #	PAY ITEM	UNITS	QTY
20200100	EARTH EXCAVATION	CU-YD	64
20700220	POROUS GRANULAR EMBANKMENT	CU-YD	0
28100107	STONE RIPRAP, CLASS A4	SQ-YD	0
28200200	FILTER FABRIC	SQ-YD	0
35102400	AGGREGATE BASE COURSE, TYPE B, 12"	SQ-YD	0
40701801	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"	SQ-YD	0
44000100	PAVEMENT REMOVAL	SQ-YD	0
48101200	AGGREGATE SHOULDER, TYPE B	TON	183
50102400	CONCRETE REMOVAL	CU-YD	0
50200100	STRUCTURE EXCAVATION	CU-YD	0
50800105	REINFORCEMENT BARS	POUND	0
54003000	CONCRETE BOX CULVERTS	CU-YD	0
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	862.5
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	0
63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	0
63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	5
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	0
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3
63200310	GUARDRAIL REMOVAL	FOOT	899
67100100	MOBILIZATION	L SUM	0.083
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	15
X2501000	SEEDING, CLASS 2A (SPECIAL)	ACRE	0.39
X4020700	AGGREGATE SURFACE COURSE, TYPE B 8"	SQ-YD	0
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ-YD	0
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	FOOT	240.5
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	0.083
20013798	CONSTRUCTION LAYOUT	L SUM	0.083



LEGEND		LEGEND
	EXISTING GUARDRAIL	
	EXISTING STORM SEWER	
	EXISTING SANITARY WATER LINE	
	EXISTING FIRE HYDRANT	
	EXISTING CURB & GUTTER	
	EXISTING SIDEWALK	
	EXISTING CONTOUR	
	EXISTING MANHOLE	
	EXISTING LIGHT POLE	
	PIN FOUND	

MODEL: \$MODEL\$
FILE NAME: R:\P1 County\4473 Stephenson co HSP Guardrail Replacement\StephensonCo_HSP_7&8_05122023\220022C-SN 12-34-002 & 089-5052

USER NAME	=	DESIGNED	-	MLP	REVISED	-	
		DRAWN	-	ARF	REVISED	-	
PLOT SCALE	=	CHECKED	-	MLP	REVISED	-	
PLOT DATE	=	DATE	-	2/18/25	REVISED	-	

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SUITE 100
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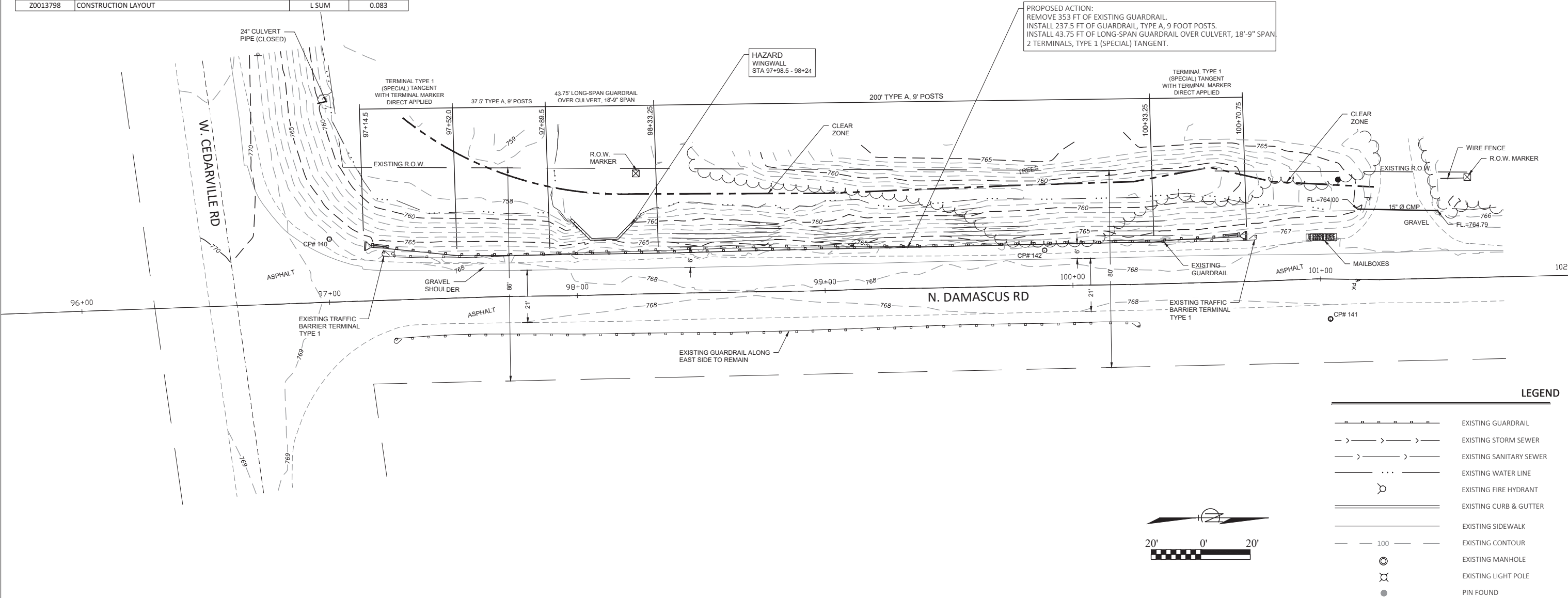
SITE 4 (SN 089-5052) & SITE 5 (SN 12-34-002)
N. CEDARVILLE RD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	8
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

LOCATION NO. SN 12-33-050
ADT 300
DESIGN SPEED 55 MPH
MINOR COLLECTOR
CLEAR ZONE = TOE OF BACKSLOPE
MIN. OFFSET FROM E.O.P.= 6 FT

LOCATION ID	SN 12-33-050 (N. Damascus Rd)		
PAY ITEM #	PAY ITEM	UNITS	QTY
20200100	EARTH EXCAVATION	CU-YD	12
20700220	POROUS GRANULAR EMBANKMENT	CU-YD	0
28100107	STONE RIPRAP, CLASS A4	SQ-YD	0
28200200	FILTER FABRIC	SQ-YD	0
35102400	AGGREGATE BASE COURSE, TYPE B, 12"	SQ-YD	0
40701801	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"	SQ-YD	0
44000100	PAVEMENT REMOVAL	SQ-YD	0
48101200	AGGREGATE SHOULDER, TYPE B	TON	55
50102400	CONCRETE REMOVAL	CU-YD	0
50200100	STRUCTURE EXCAVATION	CU-YD	0
50800105	REINFORCEMENT BARS	POUND	0
54003000	CONCRETE BOX CULVERTS	CU-YD	0
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	237.5
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	0
63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	43.75
63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	0
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	0
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
63200310	GUARDRAIL REMOVAL	FOOT	353
67100100	MOBILIZATION	L SUM	0.083
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	4
X2501000	SEEDING, CLASS 2A (SPECIAL)	ACRE	0.15
X4020700	AGGREGATE SURFACE COURSE, TYPE B 8"	SQ-YD	0
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ-YD	0
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	FOOT	0
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	0.083
Z0013798	CONSTRUCTION LAYOUT	L SUM	0.083



MODEL: \$MODEL\$
FILE NAME: R:\P1\County\2473 Stephenson co HSP\Guardrail Replacement\StephensonCo_HSP_922300221-SN 12-33-050-PLAN.DWG

USER NAME	=	DESIGNED	-	MLP	REVISED	-
		DRAWN	-	ARF	REVISED	-
PLOT SCALE	=	CHECKED	-	MLP	REVISED	-
PLOT DATE	=	DATE	-	2/18/25	REVISED	-

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CONSULTING ENGINEERS

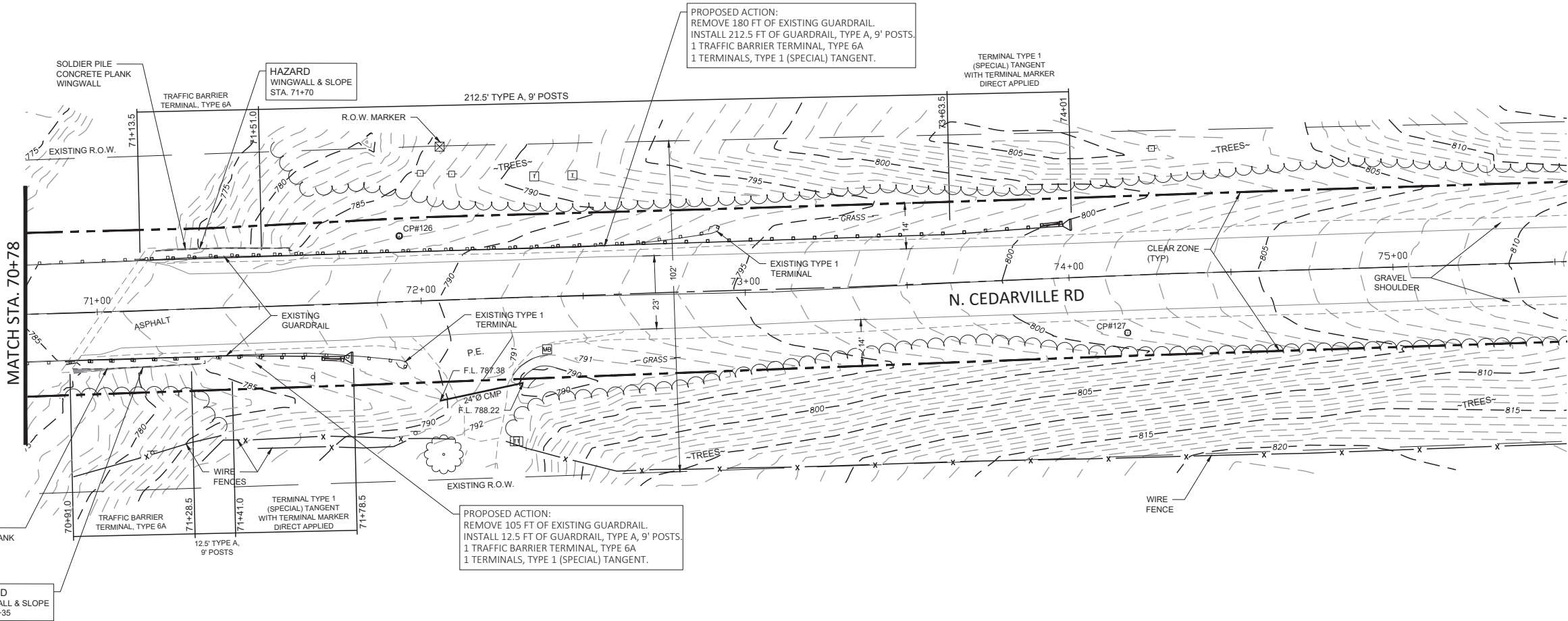
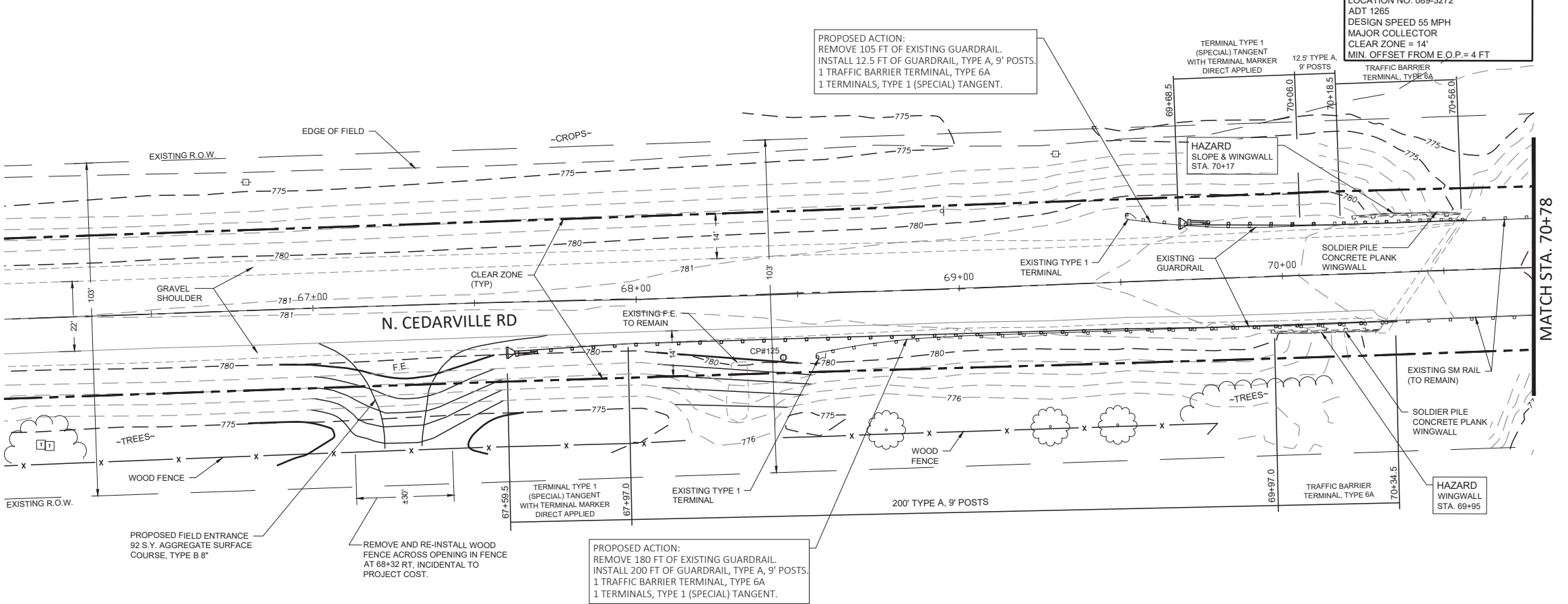
6832 STALTER DRIVE
SUITE 100
ROCKFORD, ILLINOIS 61108
OFFICE (815) 489-0050
www.chastainengineers.com

SITE 6 (SN 12-33-050)
N. DAMASCUS RD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	9
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

LOCATION ID	SN 089-3272 (N. Cedarville Rd)		
PAY ITEM #	PAY ITEM	UNITS	QTY
20200100	EARTH EXCAVATION	CU-YD	22
20700220	POROUS GRANULAR EMBANKMENT	CU-YD	0
28100107	STONE RIPRAP, CLASS A4	SQ-YD	0
28200200	FILTER FABRIC	SQ-YD	0
35102400	AGGREGATE BASE COURSE, TYPE B, 12"	SQ-YD	0
40701801	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"	SQ-YD	0
44000100	PAVEMENT REMOVAL	SQ-YD	0
48101200	AGGREGATE SHOULDER, TYPE B	TON	76
50102400	CONCRETE REMOVAL	CU-YD	0
50200100	STRUCTURE EXCAVATION	CU-YD	0
50800105	REINFORCEMENT BARS	POUND	0
54003000	CONCRETE BOX CULVERTS	CU-YD	0
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	437.5
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	0
63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	0
63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	0
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
63200310	GUARDRAIL REMOVAL	FOOT	570
67100100	MOBILIZATION	L SUM	0.083
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	10
X2501000	SEEDING, CLASS 2A (SPECIAL)	ACRE	0.06
X4020700	AGGREGATE SURFACE COURSE, TYPE B 8"	SQ-YD	92
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ-YD	0
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	FOOT	0
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	0.083
Z0013798	CONSTRUCTION LAYOUT	L SUM	0.083



LEGEND

	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND

MODEL: \$MODEL\$
FILE NAME: R:\P\ County\9479 Stephenson Co HSP Guardrail Replacement\StephensonCo_HSP_546_04112023\220022F-SN 0893272

USER NAME	=	DESIGNED	-	MLP	REVISED	-
		DRAWN	-	ARF	REVISED	-
PLOT SCALE	=	CHECKED	-	MLP	REVISED	-
PLOT DATE	=	DATE	-	1/29/25	REVISED	-

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6832 STALTER DRIVE
SUITE 100
ROCKFORD, ILLINOIS 61108
OFFICE (815) 489-0050
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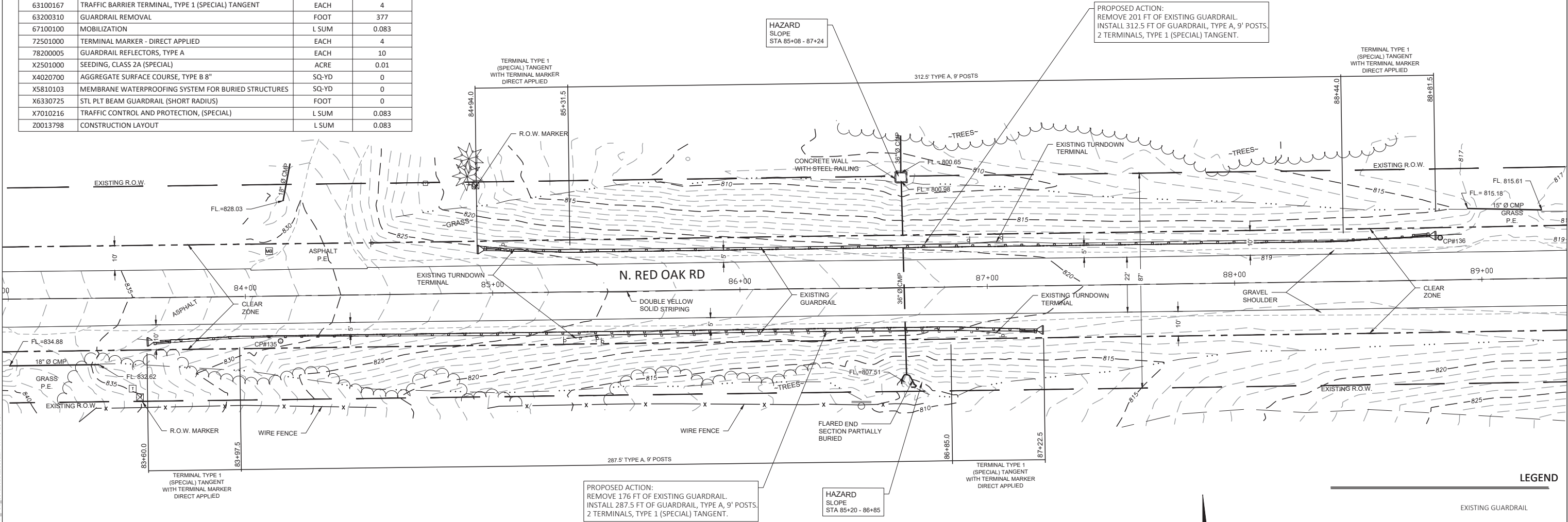
SITE 7 (SN 089-3272)
N. CEDARVILLE RD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	10
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

LOCATION ID	SN 13-23-097 (N. Red Oak Rd)		
PAY ITEM #	PAY ITEM	UNITS	QTY
20200100	EARTH EXCAVATION	CU-YD	37
20700220	POROUS GRANULAR EMBANKMENT	CU-YD	0
28100107	STONE RIPRAP, CLASS A4	SQ-YD	0
28200200	FILTER FABRIC	SQ-YD	0
35102400	AGGREGATE BASE COURSE, TYPE B, 12"	SQ-YD	0
40701801	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"	SQ-YD	0
44000100	PAVEMENT REMOVAL	SQ-YD	0
48101200	AGGREGATE SHOULDER, TYPE B	TON	96
50102400	CONCRETE REMOVAL	CU-YD	0
50200100	STRUCTURE EXCAVATION	CU-YD	0
50800105	REINFORCEMENT BARS	POUND	0
54003000	CONCRETE BOX CULVERTS	CU-YD	0
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	600.0
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	0
63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	0
63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	0
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	0
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
63200310	GUARDRAIL REMOVAL	FOOT	377
67100100	MOBILIZATION	L SUM	0.083
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	10
X2501000	SEEDING, CLASS 2A (SPECIAL)	ACRE	0.01
X4020700	AGGREGATE SURFACE COURSE, TYPE B 8"	SQ-YD	0
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ-YD	0
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	FOOT	0
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	0.083
20013798	CONSTRUCTION LAYOUT	L SUM	0.083

LOCATION NO. 13-23-097
ADT 250
DESIGN SPEED 55 MPH
MAJOR COLLECTOR
CLEAR ZONE = 10'
MIN. OFFSET FROM E.O.P. = 5 FT



LEGEND

- EXISTING GUARDRAIL
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATER LINE
- EXISTING FIRE HYDRANT
- EXISTING CURB & GUTTER
- EXISTING SIDEWALK
- EXISTING CONTOUR
- EXISTING MANHOLE
- EXISTING LIGHT POLE
- PIN FOUND

MODEL: \$MODEL\$
FILE NAME: R:\PT County\4279 Stephenson co HSP Guardrail Replacement\StephensonCo_HSP_7&8_05122023\22300224-SN 13-23-097

USER NAME	=	DESIGNED	-	MLP	REVISED	-
DRAWN	-	ARF	REVISED	-		
PLOT SCALE	=	CHECKED	-	MLP	REVISED	-
PLOT DATE	=	DATE	-	2/18/25	REVISED	-

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SUITE 100
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OFFICE (815) 488-0050
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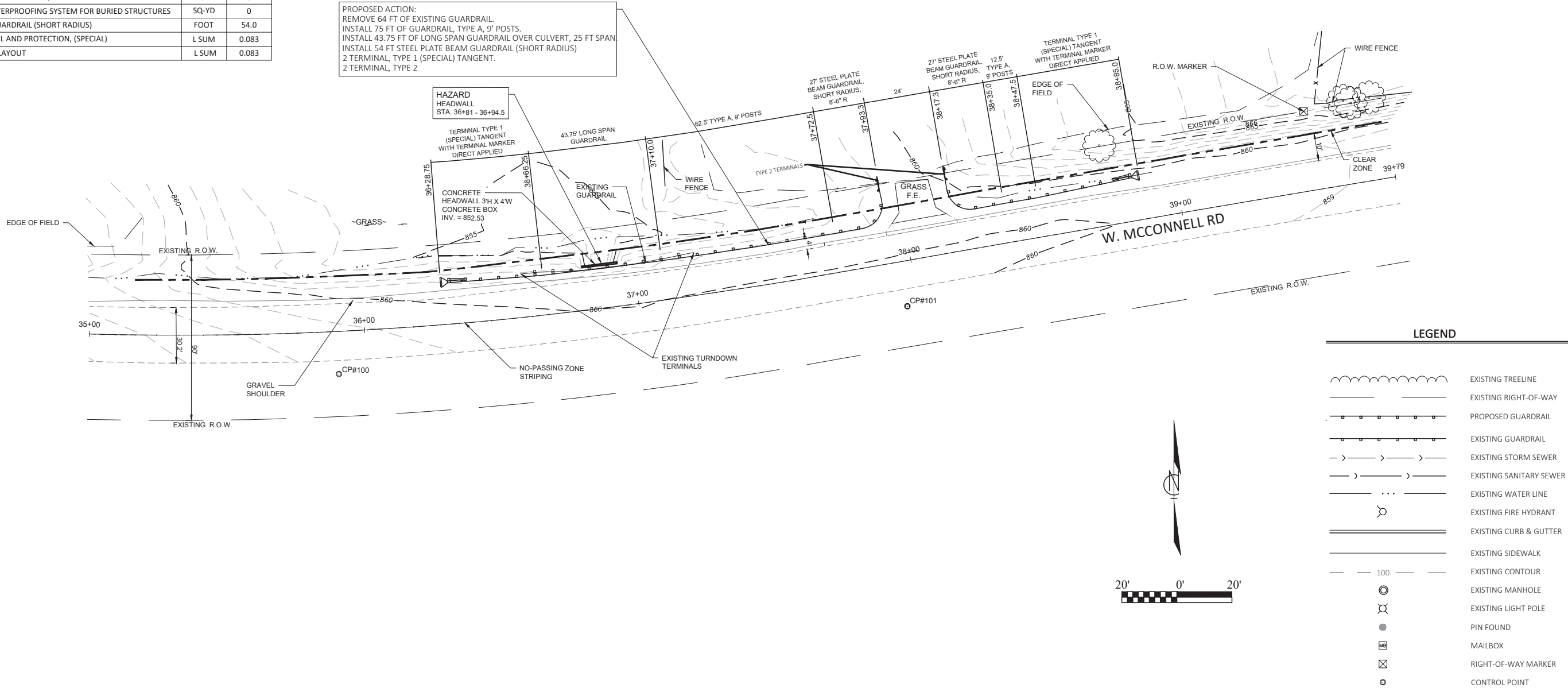
SITE 8 (SN 13-23-097)
N. RED OAK RD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	11
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

LOCATION ID	SN 13-10-131 (W. McConnell Rd)			
PAY ITEM #	PAY ITEM	UNITS	QTY	
20200100	EARTH EXCAVATION	CU-YD	4	
20700220	POROUS GRANULAR EMBANKMENT	CU-YD	0	
28100107	STONE RIPRAP, CLASS A4	SQ-YD	0	
28200200	FILTER FABRIC	SQ-YD	0	
35102400	AGGREGATE BASE COURSE, TYPE B, 12"	SQ-YD	0	
40701801	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"	SQ-YD	0	
44000100	PAVEMENT REMOVAL	SQ-YD	0	
48101200	AGGREGATE SHOULDER, TYPE B	TON	22	
50102400	CONCRETE REMOVAL	CU-YD	0	
50200100	STRUCTURE EXCAVATION	CU-YD	0	
50800105	REINFORCEMENT BARS	POUND	0	
54003000	CONCRETE BOX CULVERTS	CU-YD	0	
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	75.0	
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	0	
63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	0	
63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	43.75	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	0	
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	0	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	
63200310	GUARDRAIL REMOVAL	FOOT	64	
67100100	MOBILIZATION	L SUM	0.083	
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	4	
X2501000	SEEDING, CLASS 2A (SPECIAL)	ACRE	0.04	
X4020700	AGGREGATE SURFACE COURSE, TYPE B 8"	SQ-YD	0	
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ-YD	0	
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	FOOT	54.0	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	0.083	
Z0013798	CONSTRUCTION LAYOUT	L SUM	0.083	

LOCATION NO. 13-10-131
ADT 275
DESIGN SPEED 55 MPH
MAJOR COLLECTOR
CLEAR ZONE = 10'
MIN. OFFSET FROM E.O.P.= 4 FT



MODEL: \$MODEL\$
FILE NAME: R:\V1_County\479_Stephenson to HSIF Guardrail Replacement\StephensonCo_HSIF_FirstFour_03302025\SN 13-10-131\479_SN 13-10-131_PLAN.DWG

USER NAME	=	DESIGNED	-	MLP	REVISED	-
		DRAWN	-	ARF	REVISED	-
PLOT SCALE	=	CHECKED	-	MLP	REVISED	-
PLOT DATE	=	DATE	-	1/29/25	REVISED	-

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CONSULTING ENGINEERS

6832 STALTER DRIVE
SUITE 100
ROCKFORD, ILLINOIS 61108
OFFICE (815) 488-0050
www.chastainengineers.com

SITE 9 (SN 13-10-131)
W. MCCONNELL RD

SCALE: SHEET OF SHEETS STA. TO STA.

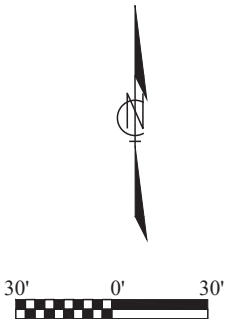
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	12
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

LOCATION NO. 12-16-061
ADT 200
DESIGN SPEED 55 MPH
MINOR COLLECTOR
CLEAR ZONE = 20' & TOE OF BACKSLOPE
MIN. OFFSET FROM E.O.P. = 6 FT

LOCATION ID	SN 12-16-061 (N. DAMASCUS RD)		
PAY ITEM #	PAY ITEM	UNITS	QTY
20200100	EARTH EXCAVATION	CU-YD	17
20700220	POROUS GRANULAR EMBANKMENT	CU-YD	0
28100107	STONE RIPRAP, CLASS A4	SQ-YD	0
28200200	FILTER FABRIC	SQ-YD	0
35102400	AGGREGATE BASE COURSE, TYPE B, 12"	SQ-YD	0
40701801	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"	SQ-YD	0
44000100	PAVEMENT REMOVAL	SQ-YD	0
48101200	AGGREGATE SHOULDER, TYPE B	TON	50
50102400	CONCRETE REMOVAL	CU-YD	0
50200100	STRUCTURE EXCAVATION	CU-YD	0
50800105	REINFORCEMENT BARS	POUND	0
54003000	CONCRETE BOX CULVERTS	CU-YD	0
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	225
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	0
63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	0
63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	0
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	0
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
63200310	GUARDRAIL REMOVAL	FOOT	254
67100100	MOBILIZATION	L SUM	0.083
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	5
X2501000	SEEDING, CLASS 2A (SPECIAL)	ACRE	0.11
X4020700	AGGREGATE SURFACE COURSE, TYPE B 8"	SQ-YD	0
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ-YD	0
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	FOOT	0
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	0.083
Z0013798	CONSTRUCTION LAYOUT	L SUM	0.083

PROPOSED ACTION:
REMOVE 254 FT OF EXISTING GUARDRAIL
INSTALL 225 FT OF GUARDRAIL, TYPE A, 9' POSTS
INSTALL 43.75 FT LONG SPAN GUARDRAIL OVER CULVERT, 12 FT-6 IN SPAN
2 TERMINALS, TYPE 1 (SPECIAL) TANGENT

HAZARD
WINGWALL
STA. 27+06 - 27+31



LEGEND

- EXISTING GUARDRAIL
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATER LINE
- EXISTING FIRE HYDRANT
- EXISTING CURB & GUTTER
- EXISTING SIDEWALK
- EXISTING CONTOUR
- EXISTING MANHOLE
- EXISTING LIGHT POLE
- PIN FOUND

MODEL: \$MODEL\$
FILE NAME: R:\P\ County\9479 StephensonCo HSP Guardrail Replacement\StephensonCo HSP FireFour 03302023\9479 SN 12-16-061 Plan.dwg

USER NAME	=	DESIGNED - MLP	REVISED -
		DRAWN - ARF	REVISED -
PLOT SCALE	=	CHECKED - MLP	REVISED -
PLOT DATE	=	DATE - 2/18/25	REVISED -

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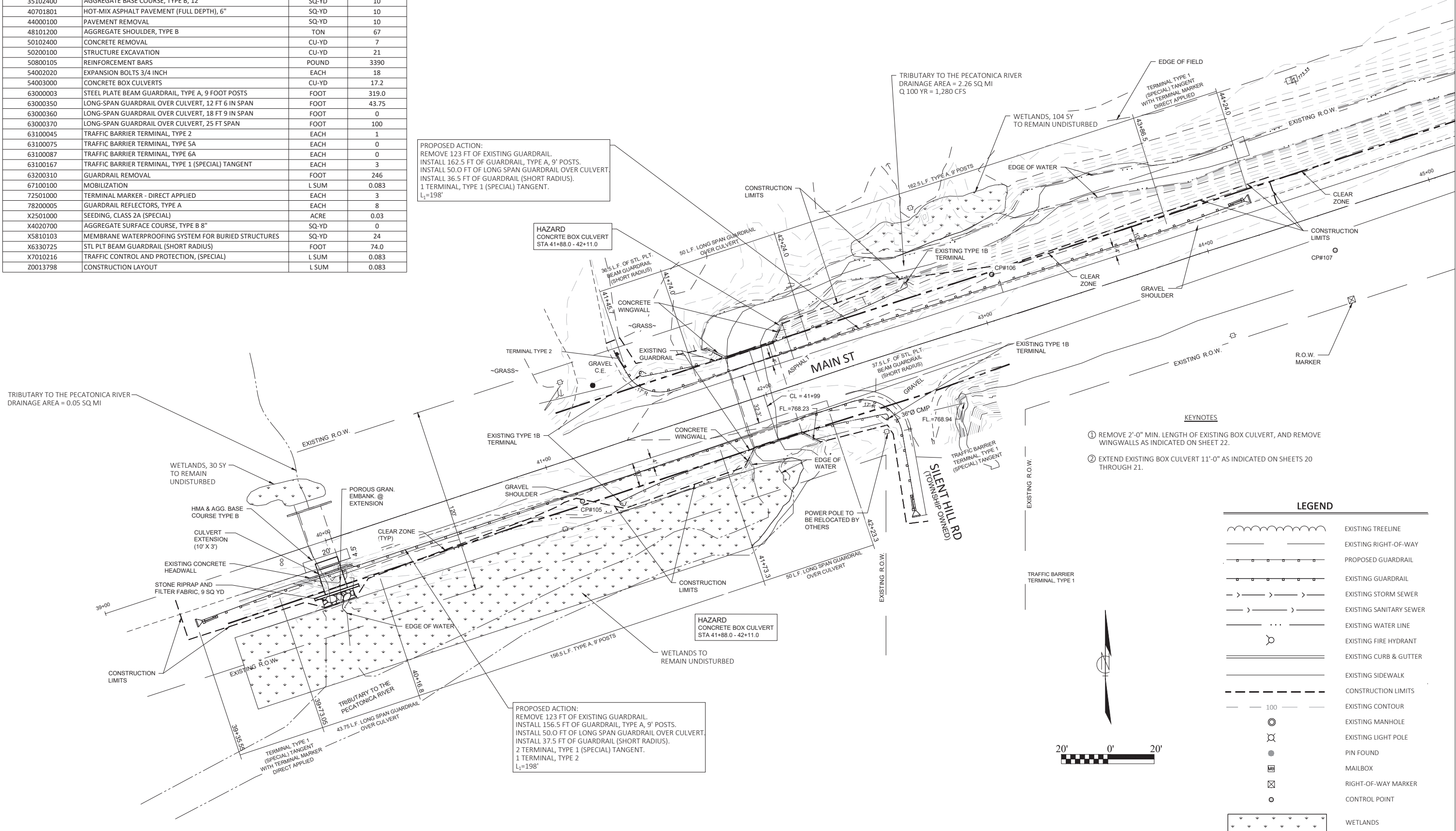
SITE 10 (SN 12-16-061)
N. DAMASCUS RD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	13
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

LOCATION ID	SN 089-5073 (Main St)		
PAY ITEM #	PAY ITEM	UNITS	QTY
20200100	EARTH EXCAVATION	CU-YD	16
20700220	POROUS GRANULAR EMBANKMENT	CU-YD	20
28100107	STONE RIPRAP, CLASS A4	SQ-YD	9
28200200	FILTER FABRIC	SQ-YD	10
35102400	AGGREGATE BASE COURSE, TYPE B, 12"	SQ-YD	10
40701801	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"	SQ-YD	10
44000100	PAVEMENT REMOVAL	SQ-YD	10
48101200	AGGREGATE SHOULDER, TYPE B	TON	67
50102400	CONCRETE REMOVAL	CU-YD	7
50200100	STRUCTURE EXCAVATION	CU-YD	21
50800105	REINFORCEMENT BARS	POUND	3390
54002020	EXPANSION BOLTS 3/4 INCH	EACH	18
54003000	CONCRETE BOX CULVERTS	CU-YD	17.2
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	319.0
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	43.75
63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	0
63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	100
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	0
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3
63200310	GUARDRAIL REMOVAL	FOOT	246
67100100	MOBILIZATION	L SUM	0.083
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8
X2501000	SEEDING, CLASS 2A (SPECIAL)	ACRE	0.03
X4020700	AGGREGATE SURFACE COURSE, TYPE B 8"	SQ-YD	0
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ-YD	24
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	FOOT	74.0
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	0.083
Z0013798	CONSTRUCTION LAYOUT	L SUM	0.083

LOCATION NO. 089-5073
ADT 990
DESIGN SPEED 30 MPH
MAJOR COLLECTOR
CLEAR ZONE = 10 FT
MIN. OFFSET FROM E.O.P.= 4 FT



MODEL: \$MODEL\$
FILE NAME: R:\P\ County\8479 StephensonCo HSP Guardrail Replacement\StephensonCo HSP Fire\Four 03302023\8479 SN 089-5073 Plan.dwg

USER NAME	=	DESIGNED	-	MLP	REVISED	-
		DRAWN	-	ARF	REVISED	-
PLOT SCALE	=	CHECKED	-	MLP	REVISED	-
PLOT DATE	=	DATE	-	2/18/25	REVISED	-

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

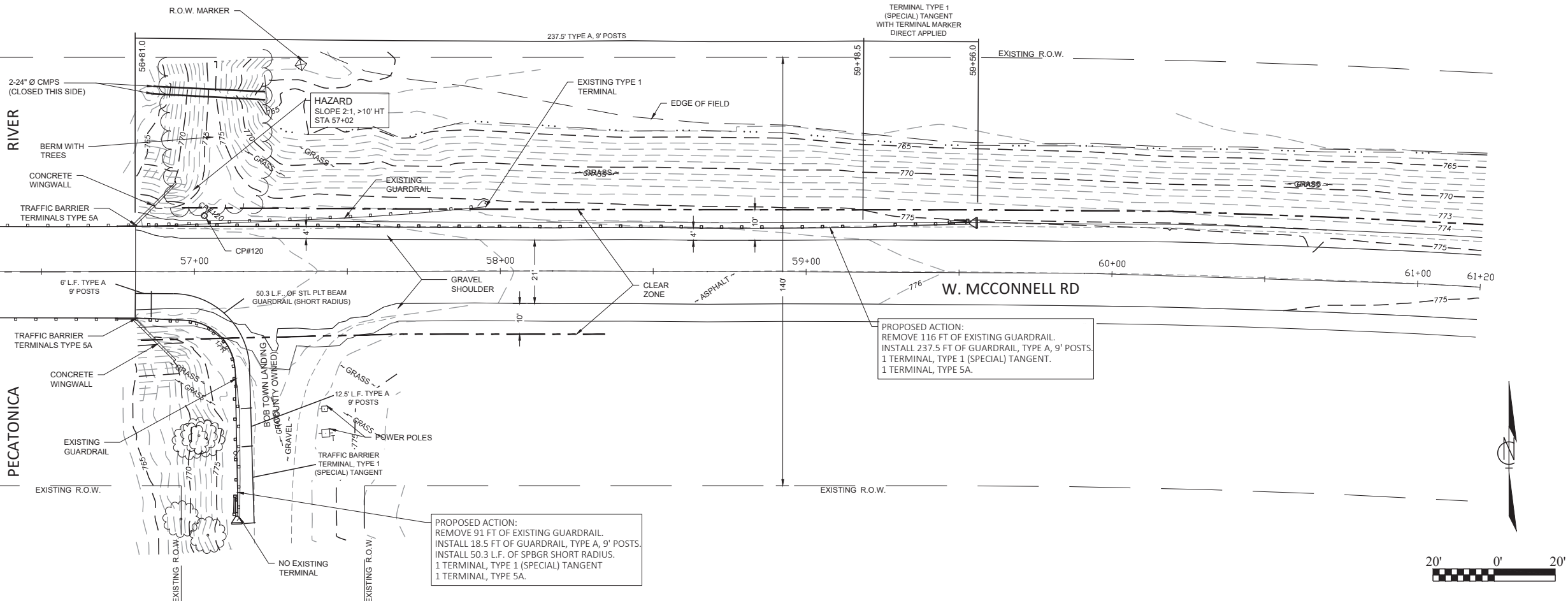
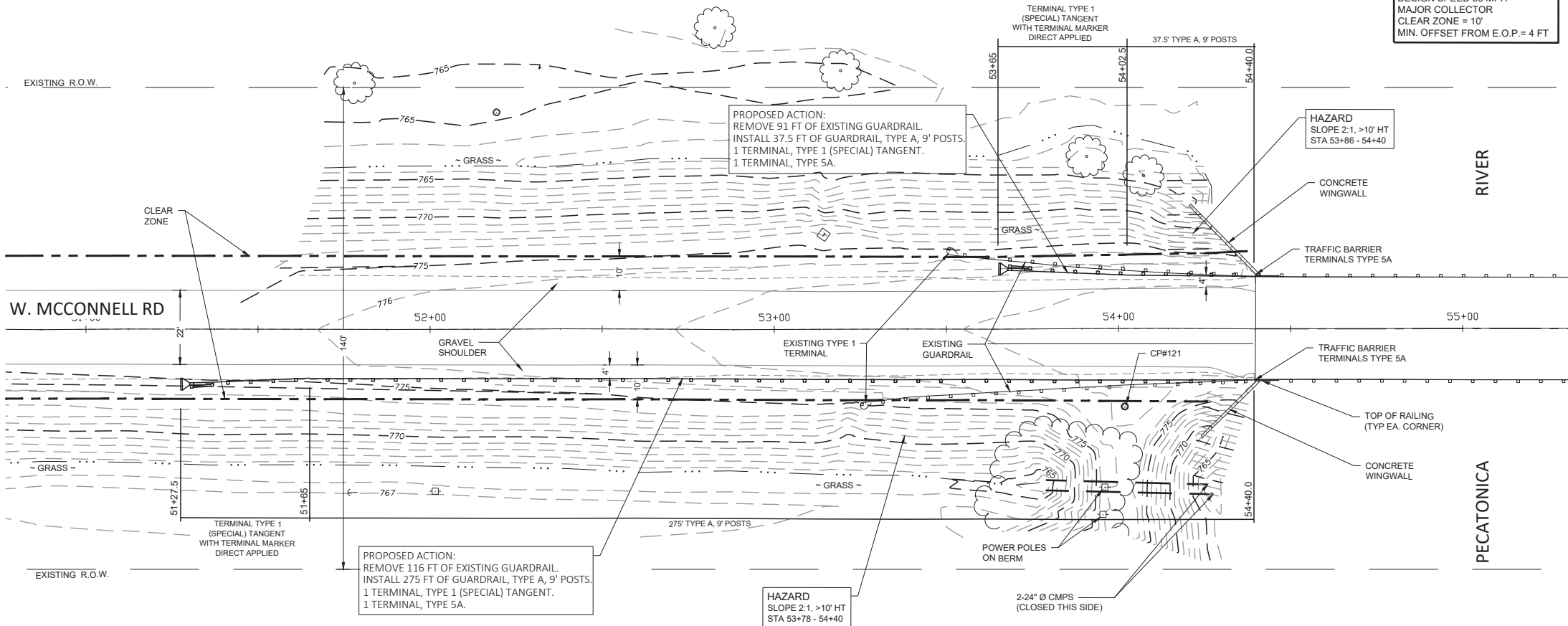
6832 STALTER DRIVE
SUITE 100
ROCKFORD, ILLINOIS 61108
OFFICE (815) 489-0050
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SITE 11 (SN 089-5073) AND 10' X 3' BOX CULVERT EXTENSION
N. MAIN ST

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	14
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

LOCATION ID	SN 089-3014 (W. McConnell Rd)			
PAY ITEM #	PAY ITEM	UNITS	QTY	
20200100	EARTH EXCAVATION	CU-YD	28	
20700220	POROUS GRANULAR EMBANKMENT	CU-YD	0	
28100107	STONE RIPRAP, CLASS A4	SQ-YD	0	
28200200	FILTER FABRIC	SQ-YD	0	
35102400	AGGREGATE BASE COURSE, TYPE B, 12"	SQ-YD	0	
40701801	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 6"	SQ-YD	0	
44000100	PAVEMENT REMOVAL	SQ-YD	0	
48101200	AGGREGATE SHOULDER, TYPE B	TON	82	
50102400	CONCRETE REMOVAL	CU-YD	0	
50200100	STRUCTURE EXCAVATION	CU-YD	0	
50800105	REINFORCEMENT BARS	POUND	0	
54003000	CONCRETE BOX CULVERTS	CU-YD	0	
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	568.5	
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	0	
63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	0	
63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	0	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	0	
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4	
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	0	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	
63200310	GUARDRAIL REMOVAL	FOOT	414	
67100100	MOBILIZATION	L SUM	0.083	
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	15	
X2501000	SEEDING, CLASS 2A (SPECIAL)	ACRE	0.05	
X4020700	AGGREGATE SURFACE COURSE, TYPE B 8"	SQ-YD	0	
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ-YD	0	
X6330725	STL PLT BEAM GUARDRAIL (SHORT RADIUS)	FOOT	50.3	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	0.083	
Z0013798	CONSTRUCTION LAYOUT	L SUM	0.083	



LEGEND

	EXISTING TREELINE
	EXISTING RIGHT-OF-WAY
	PROPOSED GUARDRAIL
	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	MAILBOX
	RIGHT-OF-WAY MARKER
	CONTROL POINT

USER NAME	=	DESIGNED	-	MLP	REVISED	-
		DRAWN	-	ARF	REVISED	-
PLOT SCALE	=	CHECKED	-	MLP	REVISED	-
PLOT DATE	=	DATE	-	2/18/25	REVISED	-

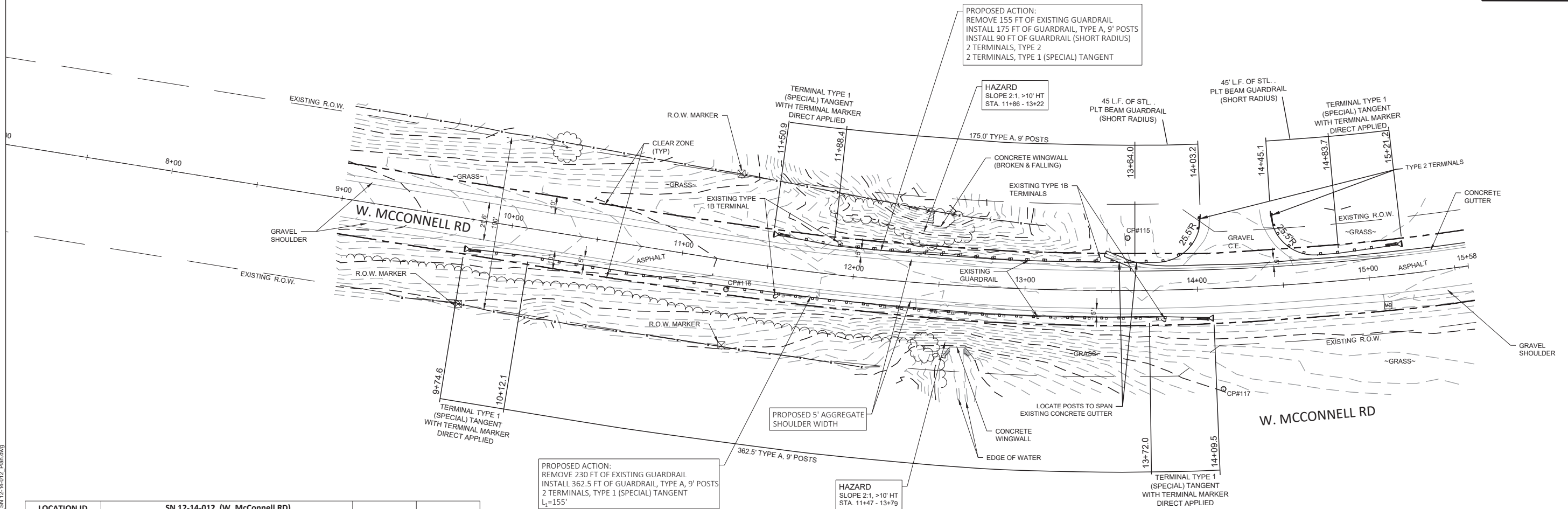
CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

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SUITE 100
ROCKFORD, ILLINOIS 61108
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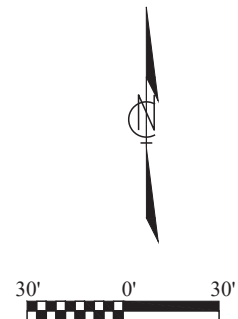
SITE 12 (SN 089-3014)
W. MCCONNELL RD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	15
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



	EXISTING TREELINE
	EXISTING RIGHT-OF-WAY
	PROPOSED GUARDRAIL
	EXISTING GUARDRAIL
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING CURB & GUTTER
	EXISTING SIDEWALK
	EXISTING CONTOUR
	EXISTING MANHOLE
	EXISTING LIGHT POLE
	PIN FOUND
	MAILBOX
	RIGHT-OF-WAY MARKER
	CONTROL POINT



GENERAL NOTES

The design fill height for this box is 1.5 ft.

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

The 6" Porous Granular Material under the culvert shall not be paid for separately and included in the cost of Concrete Box Culverts.

DESIGN SPECIFICATIONS

AASHTO LRFD Bridge Design Specifications
8th Edition with 2018 Interims

DESIGN STRESSES

FIELD UNITS

f_c = 3,500 psi
f_y = 60,000 psi (Reinforcement)

LOADING HL-93

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



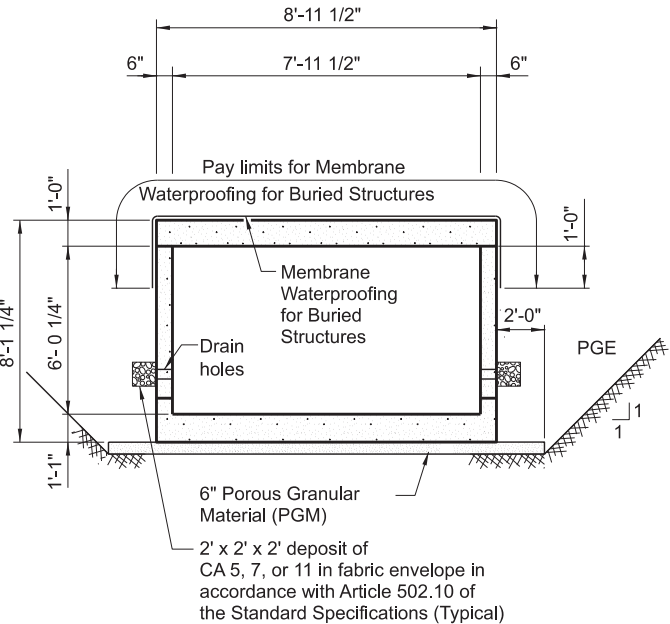
I certify that to the best of my knowledge, information and belief, this bridge/box culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current 'AASHTO Standard Specifications for Highway Bridges'.

Jeremy Buening
JEREMY M. BUENING, P.E., S.E.
License Expires 11/30/26

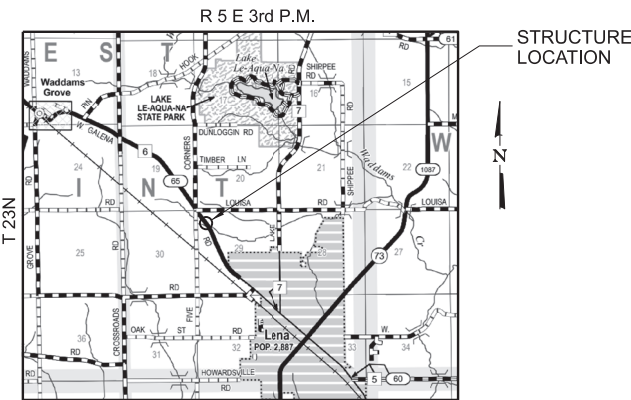
12/13/2024
Date

TOTAL BILL OF MATERIAL

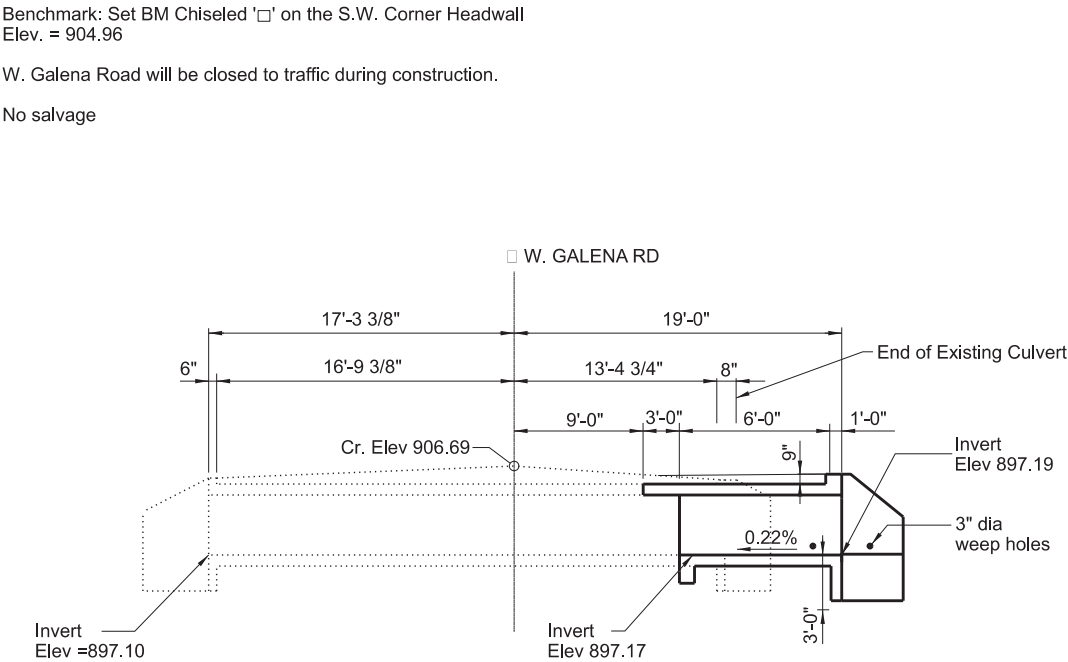
Item	Unit	Quantity
Structure Excavation	Cu Yd	49
Reinforcement Bars	Pound	2420
Concrete Box Culverts	Cu Yd	14.0
Porous Granular Embankment	Cu Yd	21
Membrane Waterproofing for Buried Structures	Sq Yd	15
Expansion Bolts, 3/4"	Each	22
Concrete Removal	Cu Yd	9.2



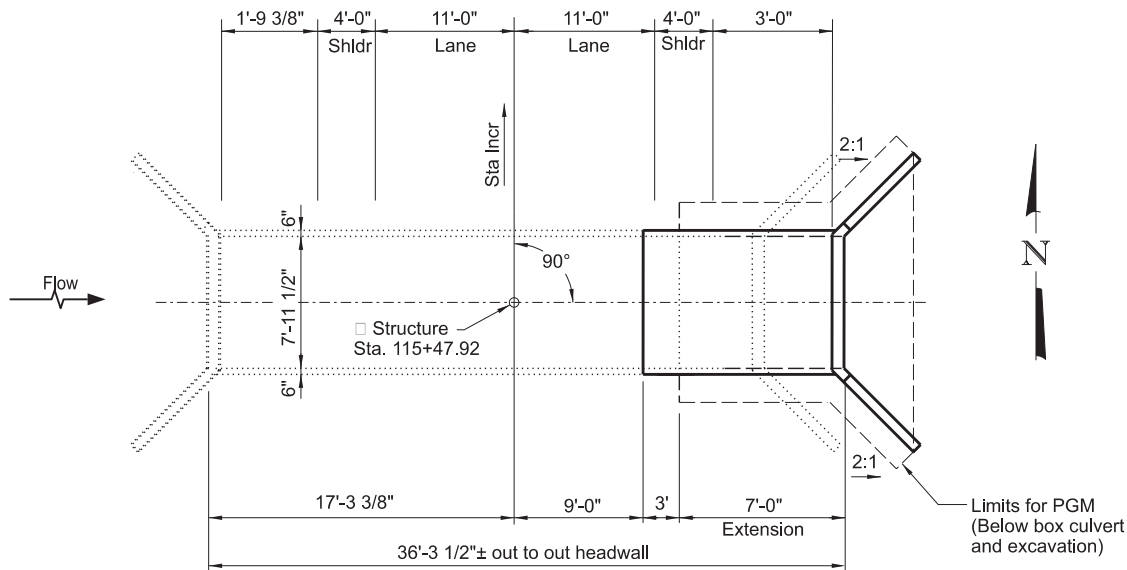
SECTION THRU BARREL



LOCATION SKETCH



LONGITUDINAL SECTION



PLAN

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CONSULTING ENGINEERS

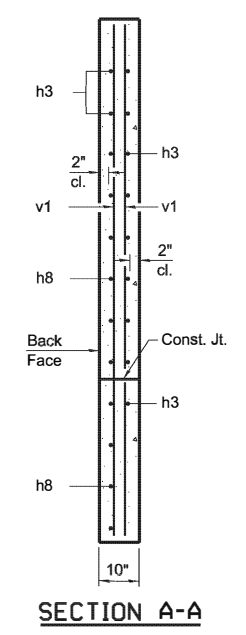
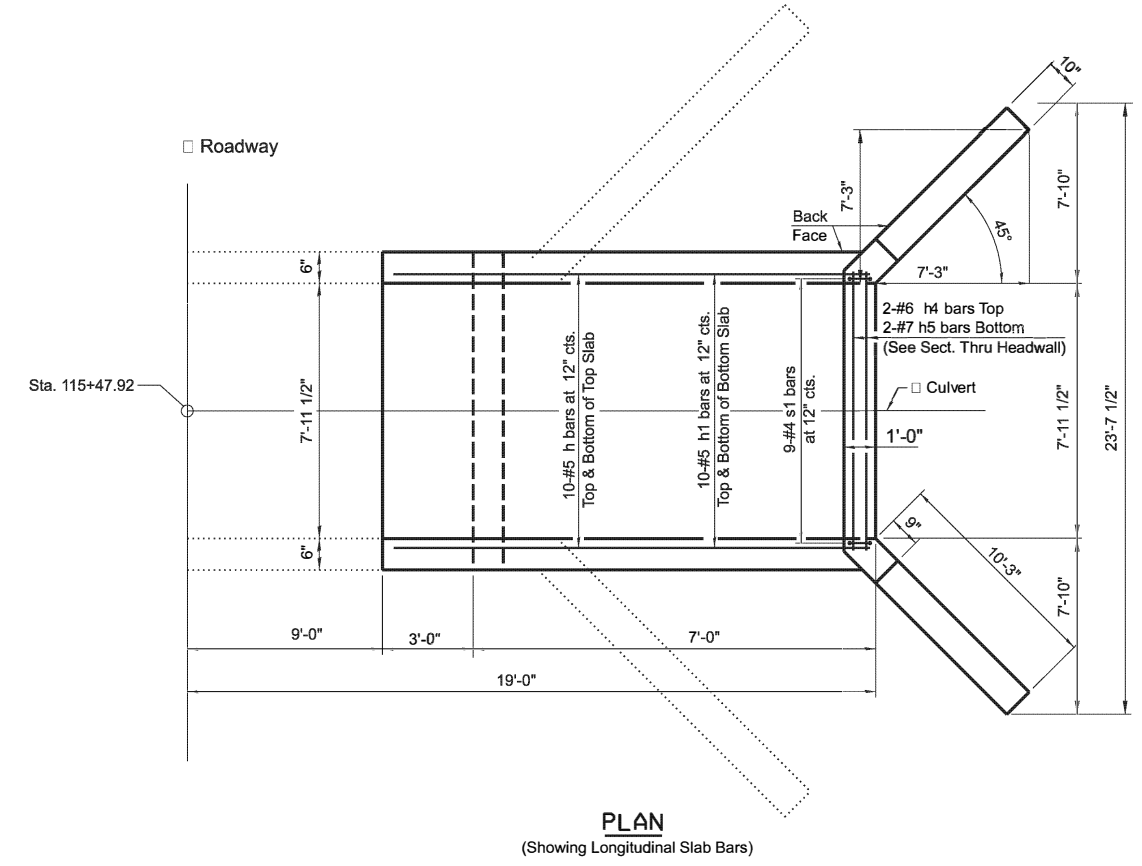
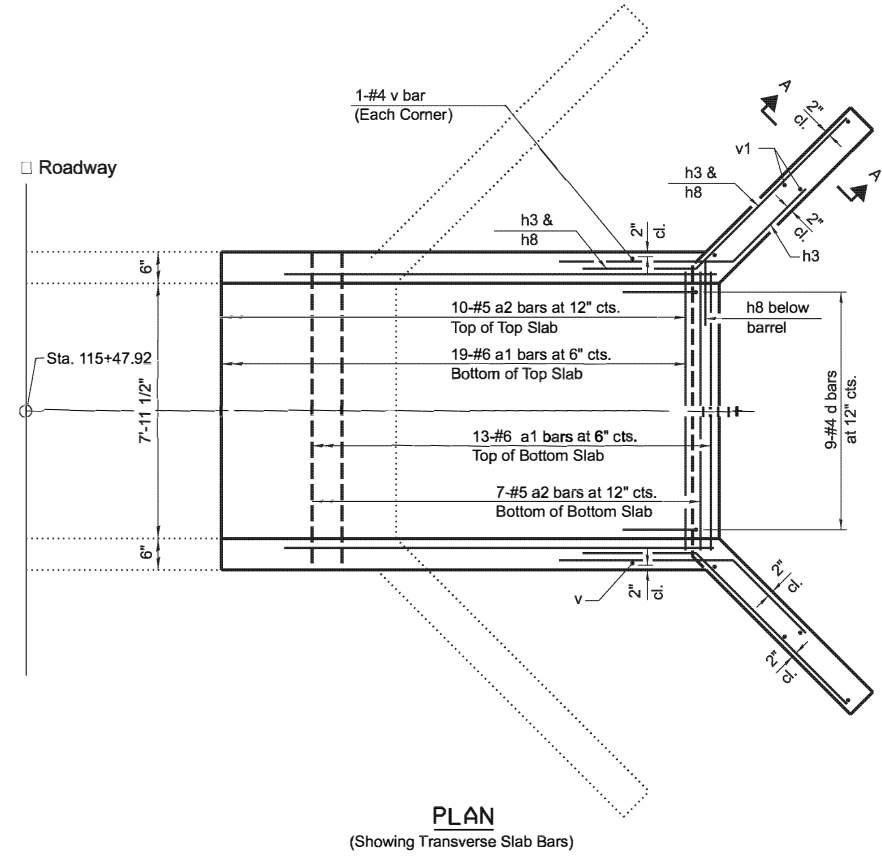
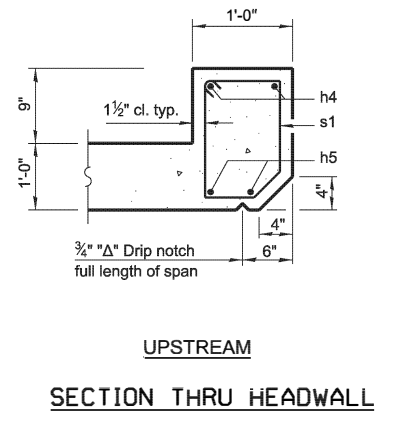
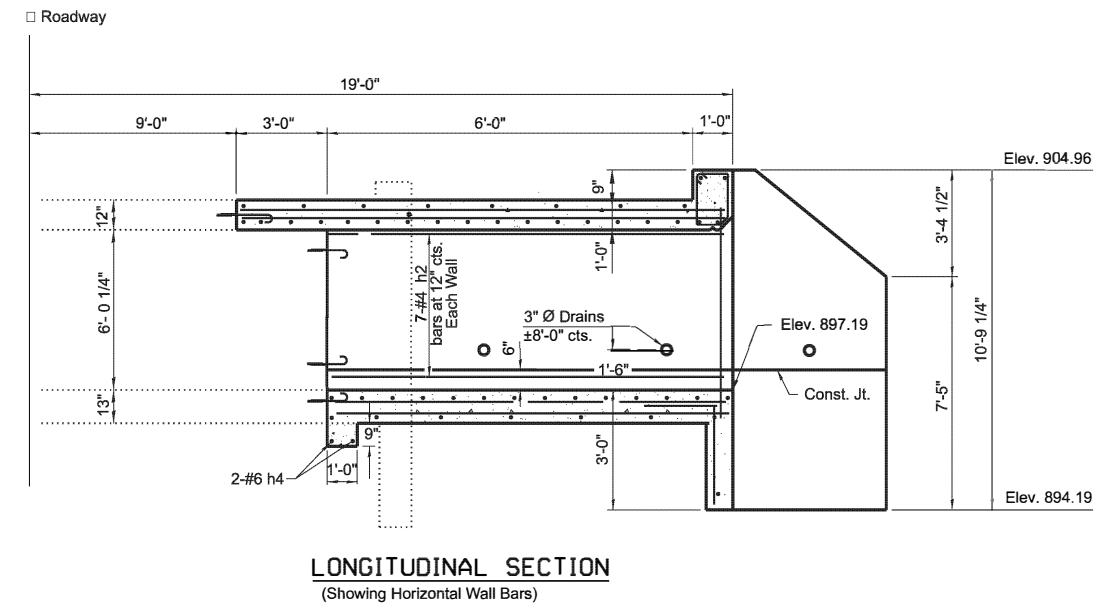
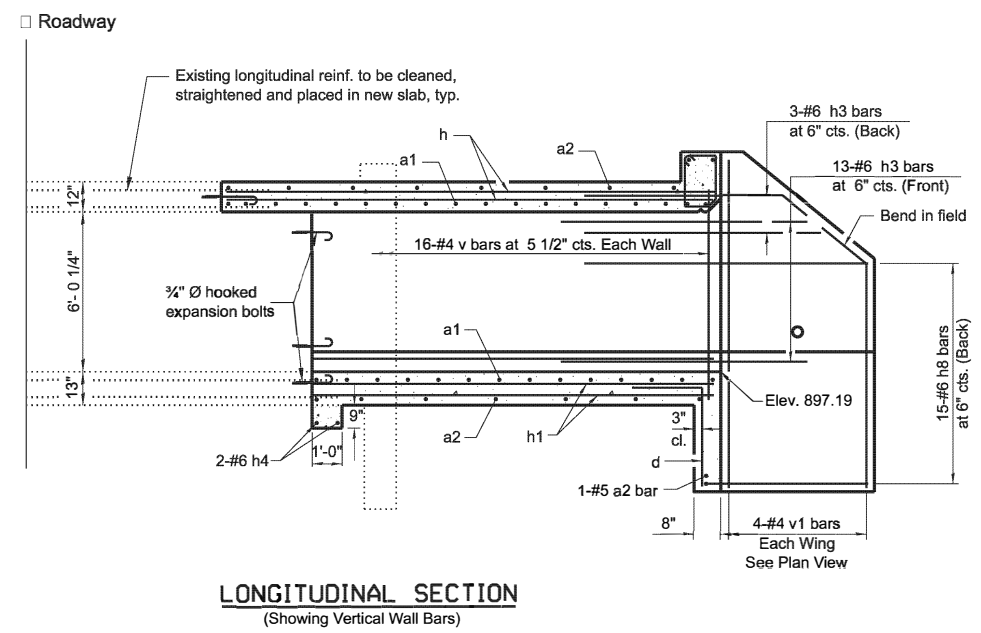
6832 STALTER DRIVE
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GENERAL PLAN AND ELEVATION
SITE 1 (SN 11-29-037) W. GALENA RD
SHEET NO 1 OF 3 SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	17
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

FILE NAME =
\$FILEL\$ "R:\P-r\County\8479-Stephenson Co HSP\12\8479-gp&e (Culv-Ext. 11-29-037).dgn"

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PLOT TIME = *TIME*	DRAWN ARF	REVISED -
PLOT SCALE = *SCALE*	CHECKED MLP	REVISED -
PLOT DATE = *DATE*	DATE 8/28/24	REVISED -



FILE NAME = \\P:\Projects\County\9479 Stephenson Co HSIP Guardrail Replacement\Stephenson Co HSIP-12\9479-details\Culv.Ext.11-29-0371.dgn

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PLOT TIME = \$TIME\$	DRAWN ARF	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED MLP	REVISED -
PLOT DATE = \$DATE\$	DATE 8/28/24	REVISED -

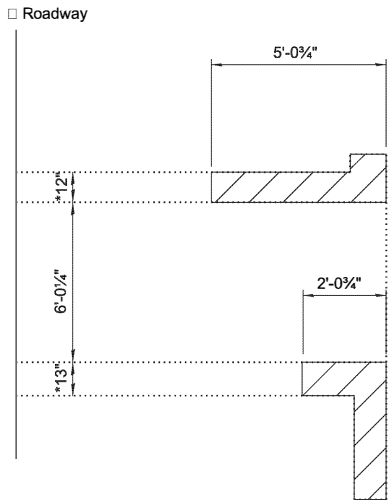
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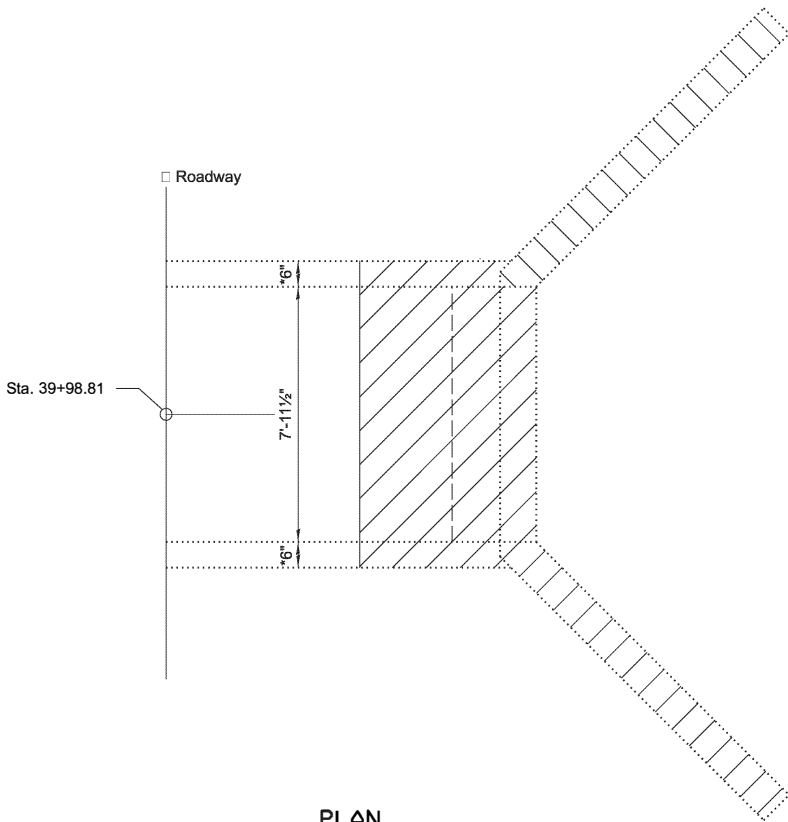
BOX CULVERT EXTENSION
SITE 1 (SN 11-29-037) W. GALENA RD
SHEET NO. 2 OF 3 SHEETS

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	18
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

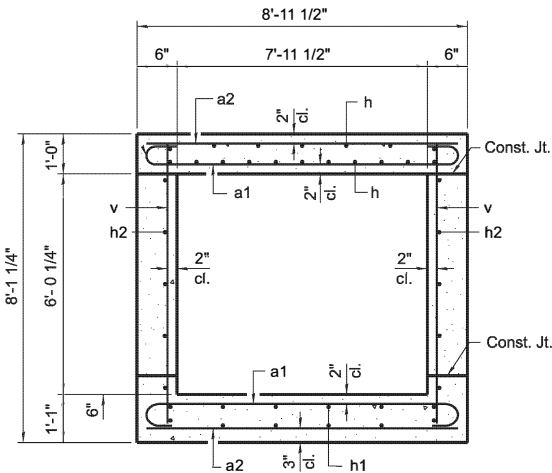
*Thicknesses estimated. Contractor to Field Verify



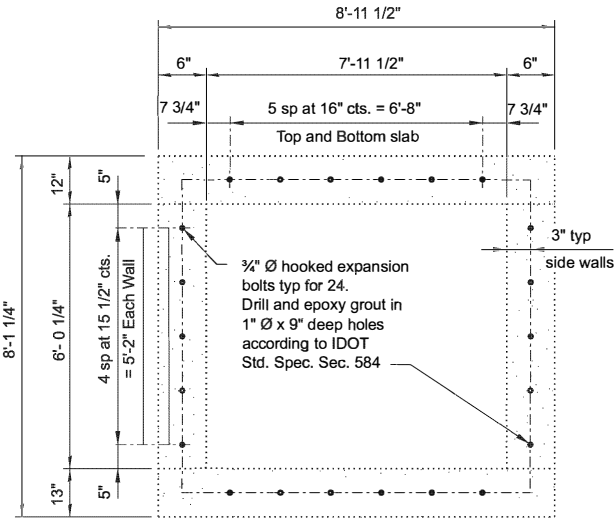
LONGITUDINAL SECTION
(Showing Concrete Removal)



PLAN
(Showing Concrete Removal)



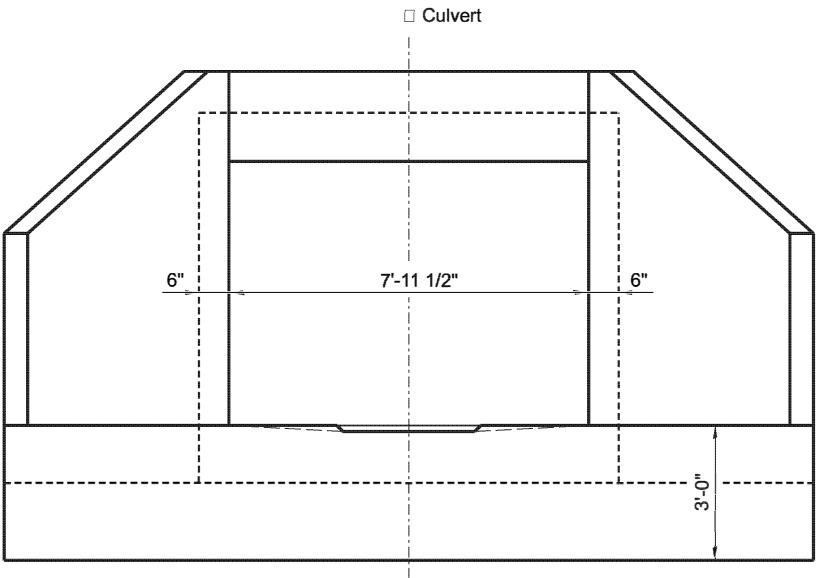
SECTION THRU BARREL



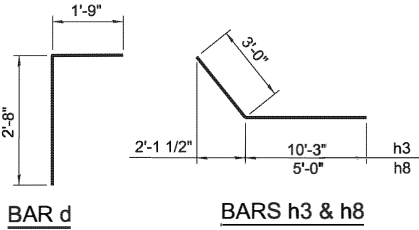
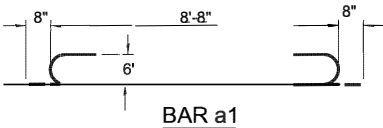
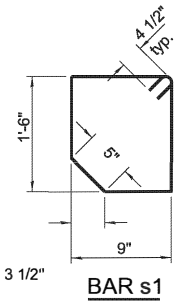
END VIEW EXISTING BARREL
(Showing hooked expansion bolt layout)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	32	#6	10'-0"	
a2	18	#5	8'-8"	
d	9	#4	4'-5"	
h	20	#5	9'-8"	
h1	20	#5	6'-8"	
h2	14	#4	6'-8"	
h3	32	#6	13'-3"	
h4	4	#6	8'-8"	
h5	2	#7	8'-8"	
h8	30	#6	8'-0"	
s1	9	#4	5'-1"	
v	34	#4	7'-8"	
v1	8	#4	10'-4"	
Concrete Box Culverts			Cu. Yd.	14.0
Reinforcement Bars			Pound	2420
Expansion Bolts, 3/4"			Each	22
Concrete Removal			Cu. Yd.	9.2



END ELEVATION CIP BARREL EXTENSION



FILE NAME = R:\P\County\County\Stephenson Co. HSIP\Guardrail Replacement\Stephenson Co. HSIP\12\8475-details (Culv. Ext. 11-29-037).dgn

USER NAME = *USER*	DESIGNED JMB	REVISED -
PLOT TIME = *TIME*	DRAWN ARF	REVISED -
PLOT SCALE = *SCALE*	CHECKED MLP	REVISED -
PLOT DATE = *DATE*	DATE 8/28/24	REVISED -

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61108
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BOX CULVERT EXTENSION
SITE 1 (SN 11-29-037) W. GALENA RD

SHEET NO. 3 OF 3 SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	19
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

The design fill height for this box is 1 ft.

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

The 6" Porous Granular Material under the culvert shall not be paid for separately and included in the cost of Concrete Box Culverts.

DESIGN SPECIFICATIONS

AASHTO LRFD Bridge Design Specifications
8th Edition with 2018 Interims

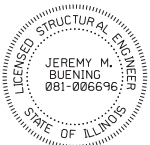
DESIGN STRESSES

FIELD UNITS

f_c = 3,500 psi
f_y = 60,000 psi (Reinforcement)

LOADING HL-93

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

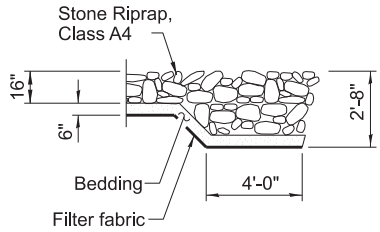


I certify that to the best of my knowledge, information and belief, this bridge/box culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current 'AASHTO Standard Specifications for Highway Bridges'.

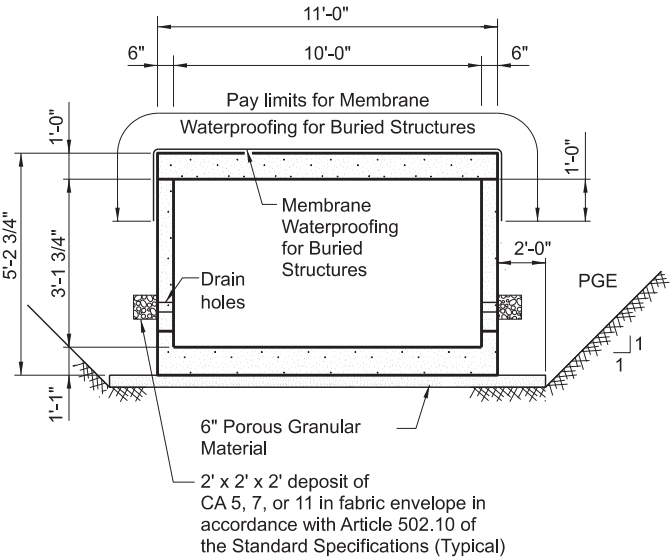
Jeremy Buening 2/7/2025
JEREMY M. BUENING, P.E., S.E. Date
License Expires 11/30/26

TOTAL BILL OF MATERIAL

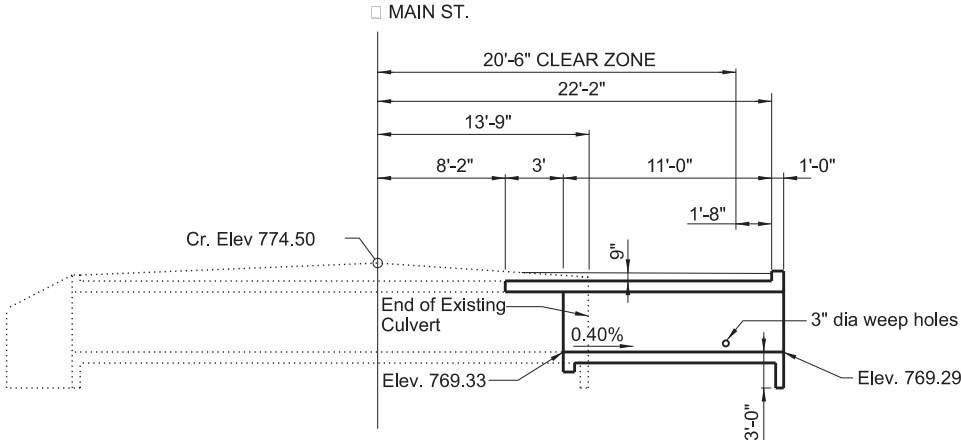
Item	Unit	Quantity
Structure Excavation	Cu Yd	21
Reinforcement Bars	Pound	3390
Concrete Box Culverts	Cu Yd	17.2
Porous Granular Embankment	Cu Yd	20
Membrane Waterproofing for Buried Structures	Sq Yd	24
Stone Riprap, Class A4	Sq Yd	9
Filter Fabric	Sq Yd	10
Expansion Bolts, 3/4"	Each	18
Concrete Removal	Cu Yd	6.6



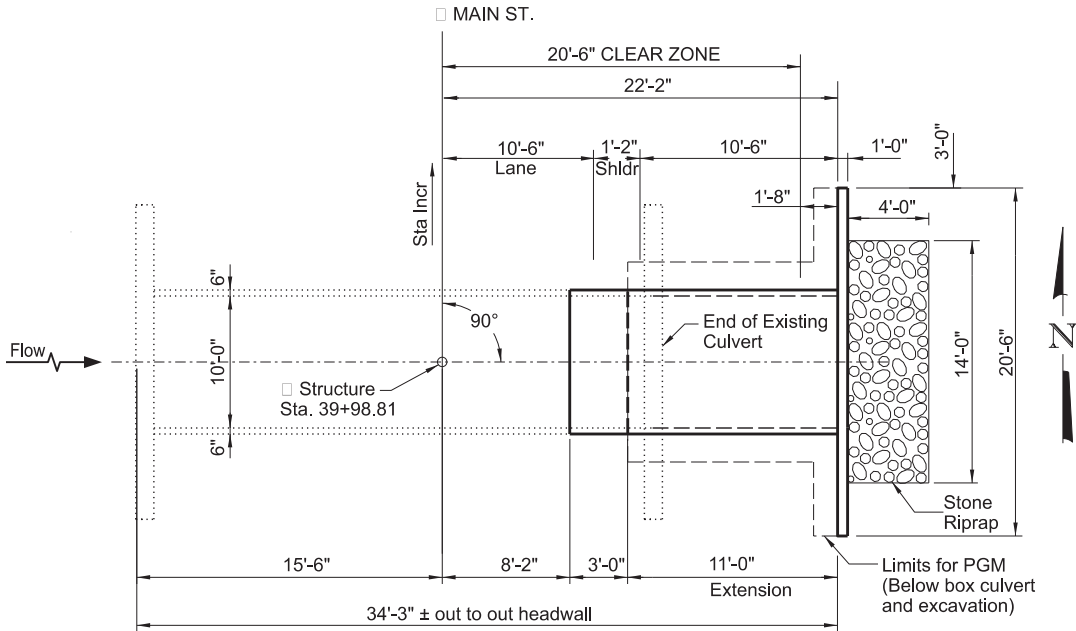
RIPRAP FLANK DETAIL



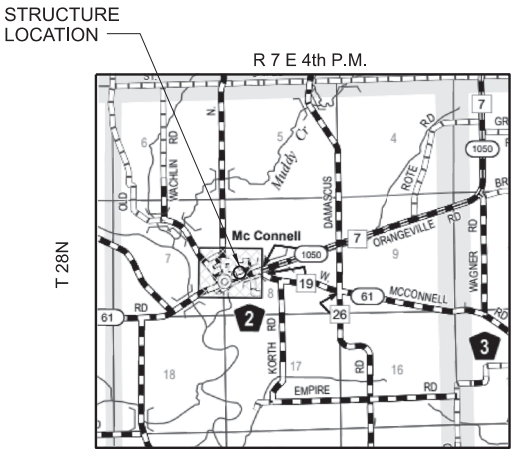
SECTION THRU BARREL



LONGITUDINAL SECTION



PLAN



LOCATION SKETCH

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

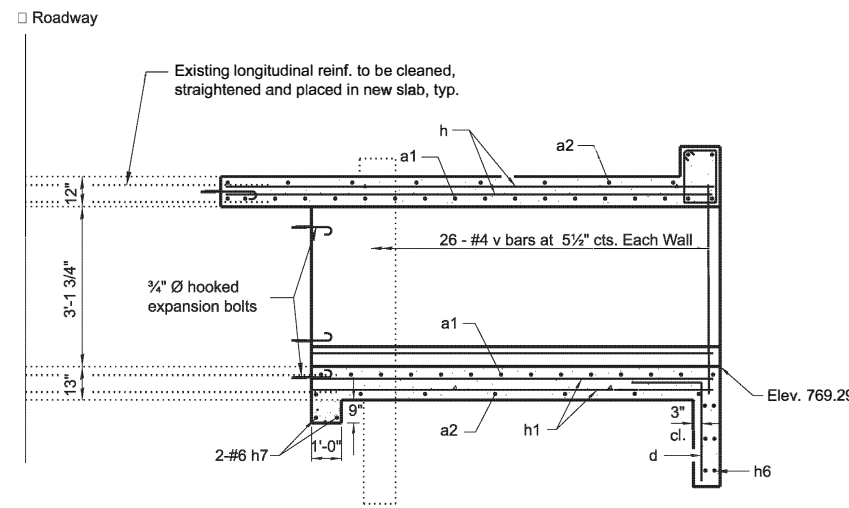
6832 STALTER DRIVE
SUITE 100
ROCKFORD, ILLINOIS 61108
OFFICE (815)489-0050
www.chastainengineers.com

GENERAL PLAN AND ELEVATION
SITE 11 (SN 089-5073) AND 10'x3' BOX CULVERT, MAIN ST.

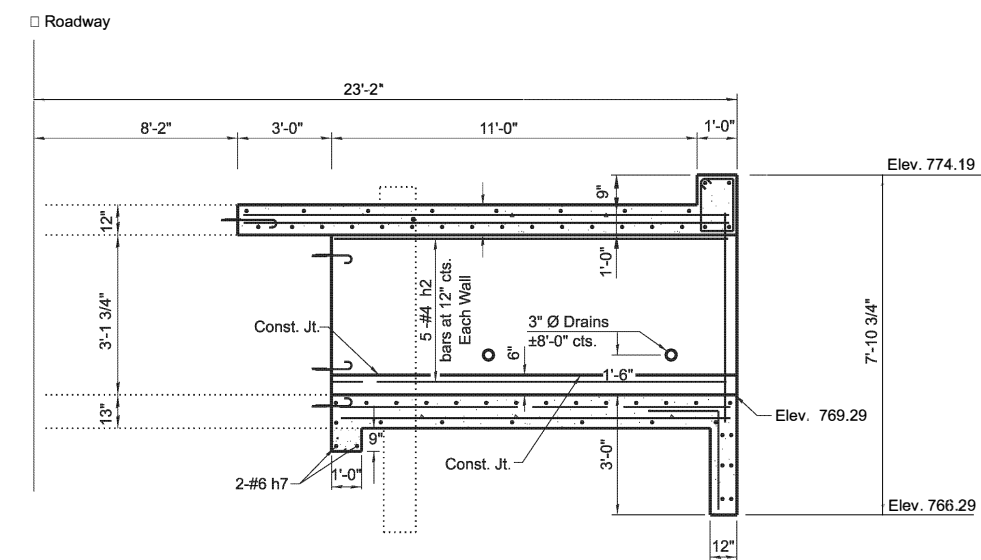
SHEET NO. 1 OF 3 SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	20
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

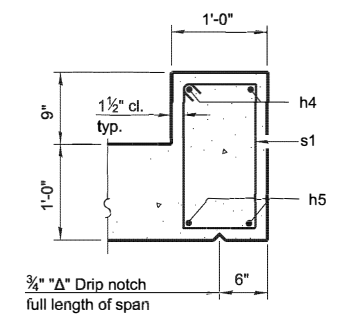
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PLOT TIME = \$TIME\$	DRAWN ARF	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED MLP	REVISED -
PLOT DATE = \$DATE\$	DATE 6-23-24	REVISED -



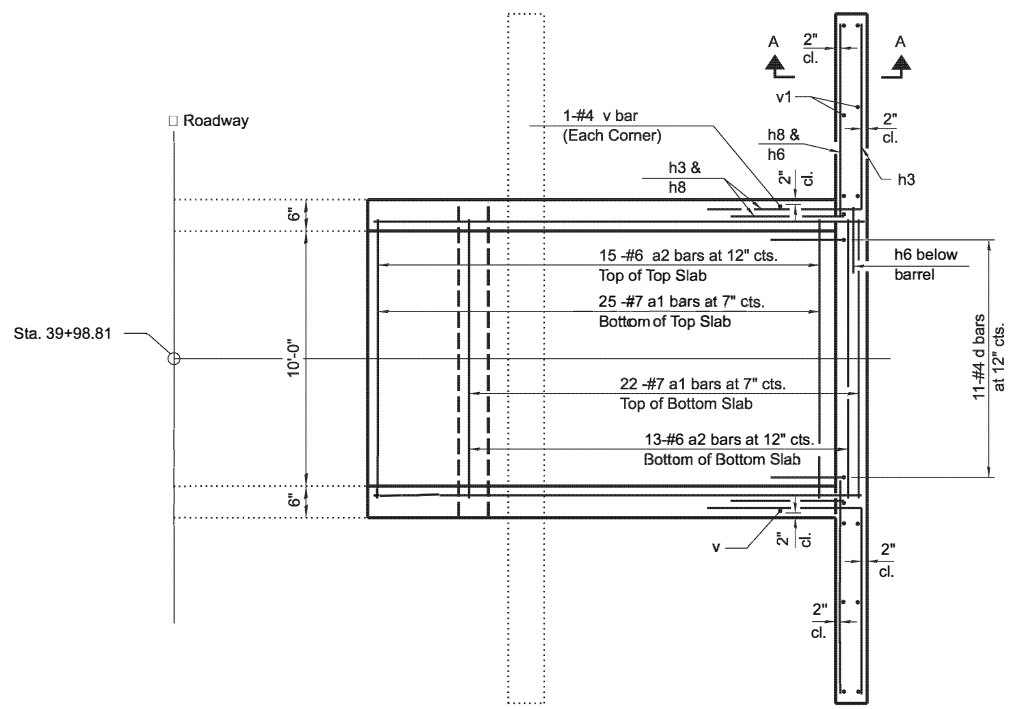
LONGITUDINAL SECTION
(Showing Vertical Wall Bars)



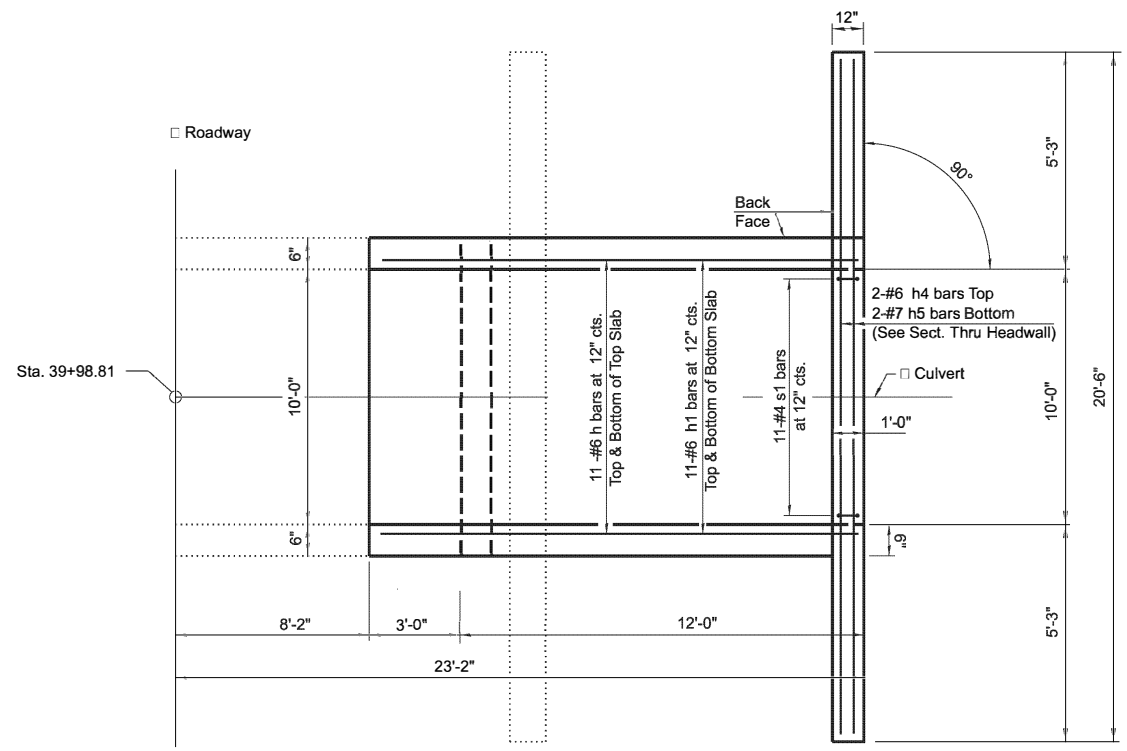
LONGITUDINAL SECTION
(Showing Horizontal Wall Bars)



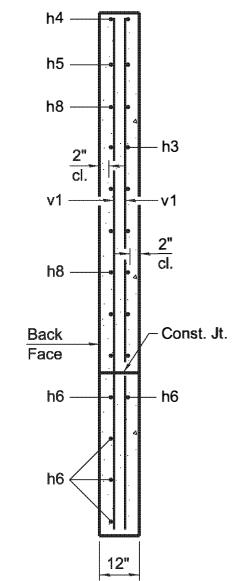
SECTION THRU HEADWALL



PLAN
(Showing Transverse Slab Bars)



PLAN
(Showing Longitudinal Slab Bars)



SECTION A-A

FILE NAME =
\$FILEL\$

USER NAME = \$USER\$	DESIGNED KB	REVISED -
PLOT TIME = \$TIME\$	DRAWN ARF	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED MLP	REVISED -
PLOT DATE = \$DATE\$	DATE 8/28/24	REVISED -

CHASTAIN
& ASSOCIATES LLC
CONSULTING ENGINEERS

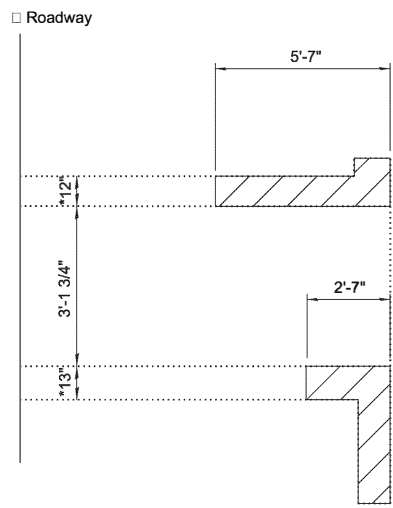
6832 STALTER DRIVE
SUITE 100
ROCKFORD, ILLINOIS
61108
OFFICE (815)489-0050
www.chastainengineers.com

BOX CULVERT EXTENSION
SITE 11 (SN 089-5073) AND 10'x3' BOX CULVERT, MAIN ST.

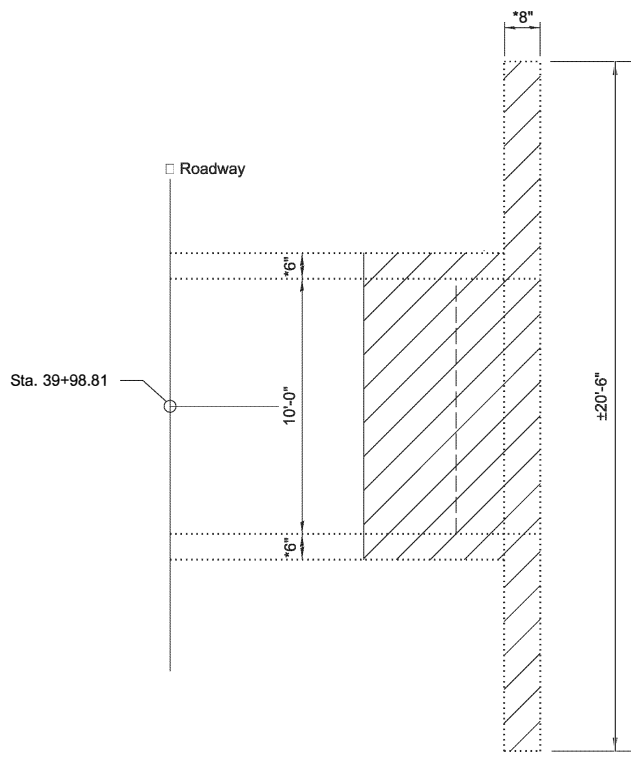
SHEET NO. 2 OF 3 SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00/92-00-GR	STEPHENSON	22	21
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

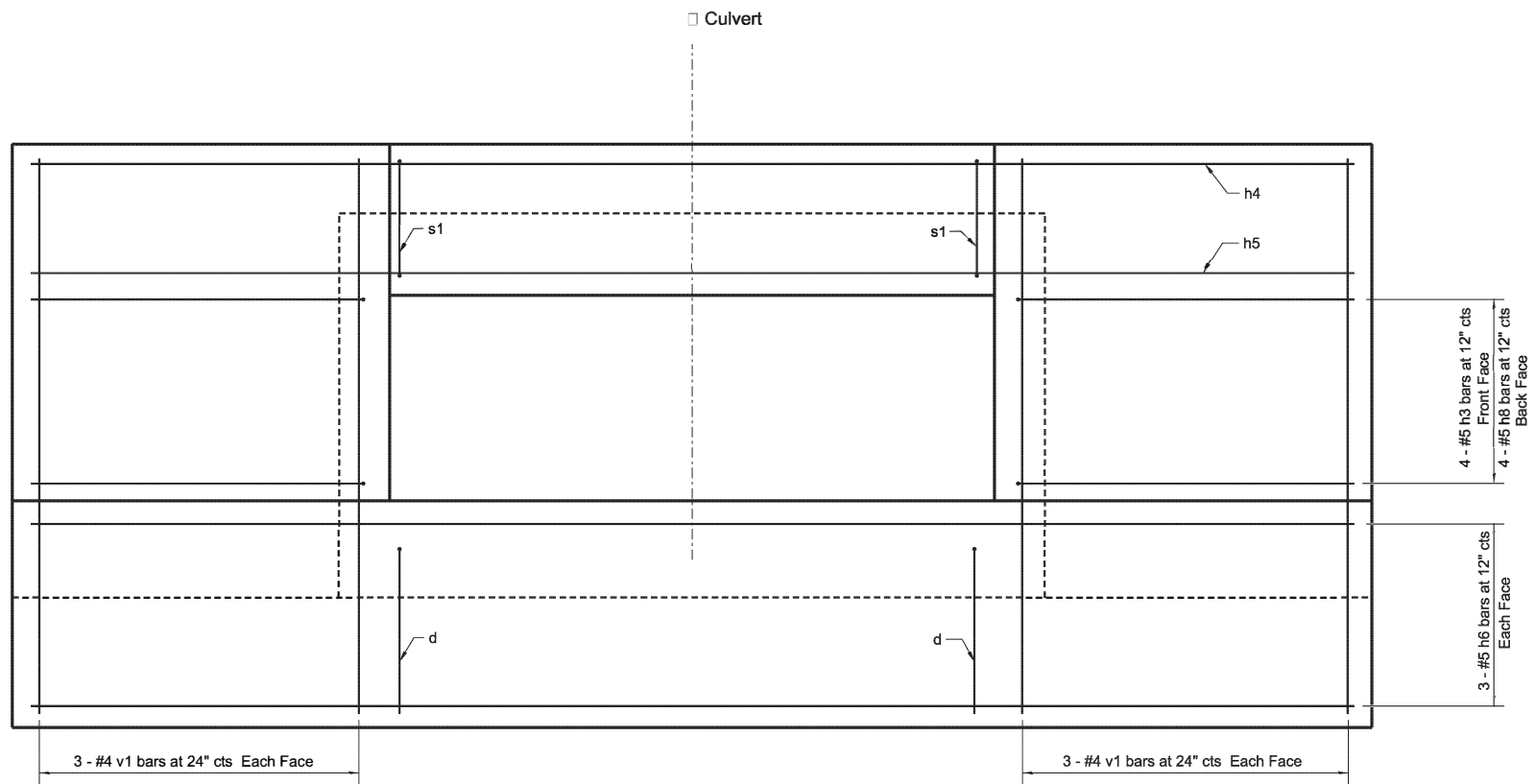
*Thicknesses estimated. Contractor to Field Verify



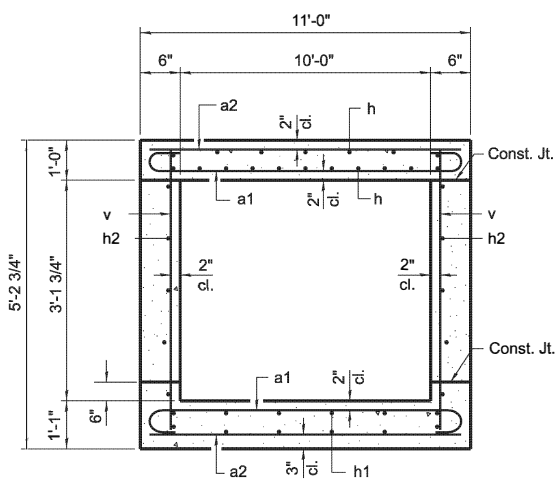
LONGITUDINAL SECTION
(Showing Concrete Removal)



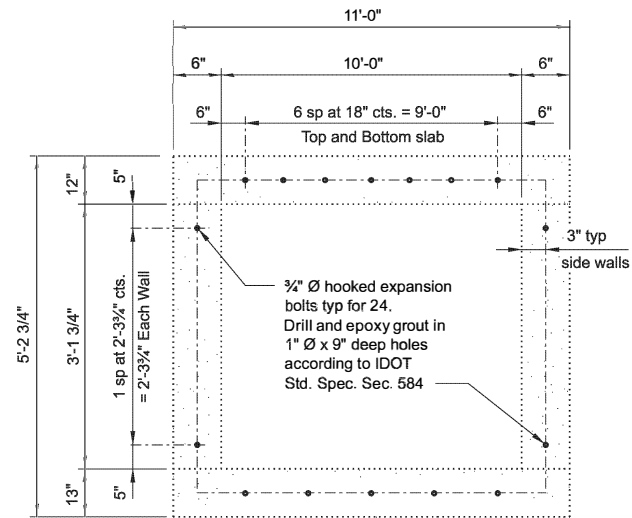
PLAN
(Showing Concrete Removal)



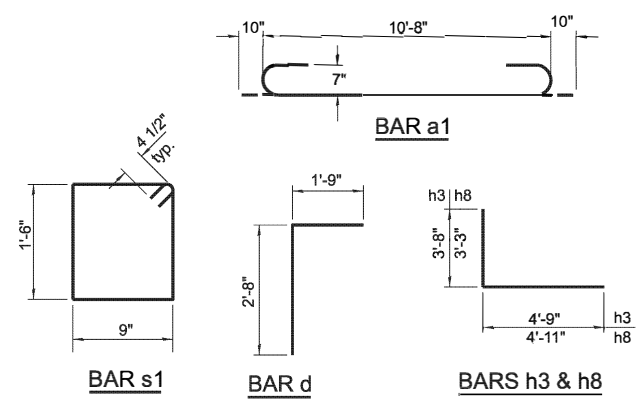
END ELEVATION CIP BARREL EXTENSION



SECTION THRU BARREL



END VIEW EXISTING BARREL
(Showing hooked expansion bolt layout)



FILE NAME =
\$FILEL\$

USER NAME = \$USER\$	DESIGNED KB
PLOT TIME = \$TIME\$	DRAWN ARF
PLOT SCALE = \$SCALE\$	CHECKED MLP
PLOT DATE = \$DATE\$	DATE 8/28/24

REVISED -	REVISED -
REVISED -	REVISED -
REVISED -	REVISED -
REVISED -	REVISED -

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BOX CULVERT EXTENSION
SITE 11 (SN 089-5073) AND 10'x3' BOX CULVERT, MAIN ST.
SHEET NO. 3 OF 3 SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	22-00192-00-GR	STEPHENSON	22	22
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				