

1	COVER SHEET
2	GENERAL NOTES AND DETAILS
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5	EXISTING SITE PLAN & DEMOLITION PLAN
6	PLAN AND PROFILE
7	ENLARGED SITE PLAN
8	EROSION CONTROL & GRADING PLAN
9-12	STRUCTURE PLANS
13-14	SOIL BORINGS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
515001-04	NAME PLATE FOR BRIDGES
602301-04	INLET TYPE A
604006-05	FRAME AND GRATE TYPE 3
630111 01	WEAK POST GUARDRAIL ATTACHED TO CULVERT
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
BLR 21-9	TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 22-7	TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

COMED
3 LINCOLN CENTER
OAKBROOK TERRACE, IL 60181
LISA ARGAST
(708) 277-8511

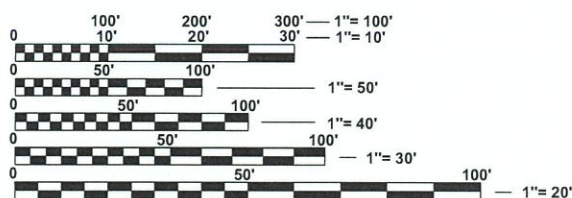
FRONTIER COMMUNICATIONS
439 S. MAIN STREET
PRINCETON, IL 61356
KYLE BOHM
(779) 212-2329

COMCAST
1475 E. WOODFIELD ROAD
SCHAUMBURG, IL 60173
THOMAS YUCCAS
(224) 229-4612

NICOR
1844 FERRY ROAD
NAPERVILLE, IL 60563
KAREY JOHNSON
(224) 471-9356

CITY OF MENDOTA
800 WASHINGTON STREET
MENDOTA, IL 61342
(815) 539-7459

FAU 6002
MAJOR COLLECTOR: 625 ADT (2029)
DESIGN SPEED: 25 MPH



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

DRAWN BY: KED	REVISIONS			
	LEVEL	BY	DATE	DESCRIPTION
	1	DAH	11/14/2025	REVISED UTILITY INFORMATION
CHECKED BY: DAH				
DATE: 03/2026				



PERU MORRIS OTTAWA
ILLINOIS

**9TH AVENUE OVER MENDOTA CREEK
SECTION 24-00066-00-BR
BRIDGE REPLACEMENT
LASALLE COUNTY
CITY OF MENDOTA
S.N. 050-7017**

6TH STREET

5TH STREET

4TH STREET

3RD STREET

9TH AVENUE

8TH AVENUE

7TH AVENUE

6TH AVENUE

5TH AVENUE

4TH AVENUE

3RD AVENUE

2ND AVENUE

1ST AVENUE

U.S. R.T.E. 34

U.S. R.T.E. 34

PROJECT ENDS
STATION 10+90.84

PROJECT BEGINS
STATION 10+30.88

EXISTING CULVERT:
SINGLE SPAN STEEL BEAM
BRIDGE ON CLOSED ABUTMENTS
WITH ASSUMED SPREAD
FOOTINGS
SN 050-7008

PROPOSED STRUCTURE
TWO-BARREL CAST-IN-PLACE
(INTERIOR OPENINGS OF 9' W x 6'
T)
CONCRETE BOX CULVERT WITH
HORIZONTAL CANTILEVER
WINGWALLS
0° SKEW
STA. 10+65.99
SN 050-7017

GROSS LENGTH = 59.96 FEET = 0.01 MILES
NET LENGTH = 59.96 FEET = 0.01 MILES



LOCATION OF SECTION INDICATED THUS: - 

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 9-15 20 26
W. Boelk
CITY OF MENDOTA

SEPTEMBER 18 20 26
[Signature]
DISTRICT 3 LOCAL ROADS AND STREETS ENGINEER

RELEASED SEPT. 28, 20 26
FOR BID
BASED ON
LIMITED
REVIEW
Julia Thompson
REGION 2 ENGINEER

CONSTRUCTION PLANS	CURRENT AS OF: 09/18/2026			
	SCALE: AS NOTED		SHEET 1	
	FILE NO.: 111648.00 Y-		OF 14	

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Last Modified: Thursday, September 3, 2026 1:29:33 PM
Plotted On: Thursday, September 10, 2026 6:38:10 AM
by Kurt Decker

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	24-00066-00-BR	LASALLE	14	2
		ILLINOIS	CONTRACT NO. L0B55	

Erosion and Sediment Control (ESC) Notes

Soil erosion and sediment control shall be in accordance with applicable portions of the Illinois Urban Manual, updated 2020.

Provisions shall be made to minimize the transport of sediment by vehicular traffic from the construction site. All public streets shall be cleaned daily or as directed by the Engineer to keep clean of sediment and debris caused by construction activities. Adjacent properties shall be protected from sediment deposition by use of an acceptable erosion control practice such as vegetative buffer strips or sediment barriers. Should an erosion control item not be included as a Bid Item or not be addressed per Special Provision and be determined necessary by the Engineer, those items will be paid for at a pre-approved unit price.

It will be the Contractor/Sub-Contractor's responsibility to implement and maintain all necessary erosion control measures.

Contractor shall employ all erosion control devices as shown on the plans, applicable IDOT Roadway Standards, and applicable Illinois Urban Manual Standards. A temporary concrete washout facility shall be constructed as depicted on the plans if concrete will wash out at the work site.

All erosion control measures will be maintained in accordance with the IDOT Erosion Control and Sediment Control Field Guide for construction inspection found on the construction tab at: <https://idot.illinois.gov/>

All the soil erosion and sediment control features must be constructed prior to the commencement of upland disturbance. Soil disturbance must be phased or enacted in such manner as to minimize erosion. Soil stabilization measures must consider the time of year, site conditions and the use of temporary and/or permanent measures.

The Contractor shall check all ESC measures weekly and after each rainfall, 0.5 inches or greater in a 24-hour period, or equivalent snowfall. Additionally, during winter months, all measures should be checked by the Contractor after each significant snowmelt.

Temporary or permanent stabilization shall be initiated immediately upon completion of disturbance or if the work area is to be left undisturbed for 14 days or more.

Under no circumstances shall the Contractor prolong final grading and shaping so that the entire project can be permanently seeded at one time.

The Contractor's representative and the Engineer must keep a written report summarizing the required inspections taken place. The reports must be kept at the site during construction and submitted to the Owner upon project completion. The reports must also be retained for three years from the date the site is finally stabilized.

Any sediment laden dewatering discharge must be directed to an approved sediment trapping control measure prior to release from the project site. Any dewatering method used by the Contractor shall be included in the cost of the item.

Seeding Usage:

Class 3 shall be used at final disturbed construction areas indicated on the Plans.

Erosion Control Operations & Maintenance

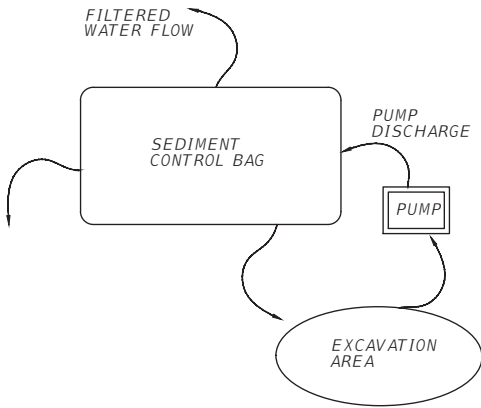
All maintenance of erosion control systems will be the responsibility of the Contractor.

Topsoil Placement

Topsoil will be placed on final slopes which will not be disturbed by future construction, as directed by the Engineer. Topsoil will not be placed on surfaces which will be paved in the future nor on temporary steep slopes.

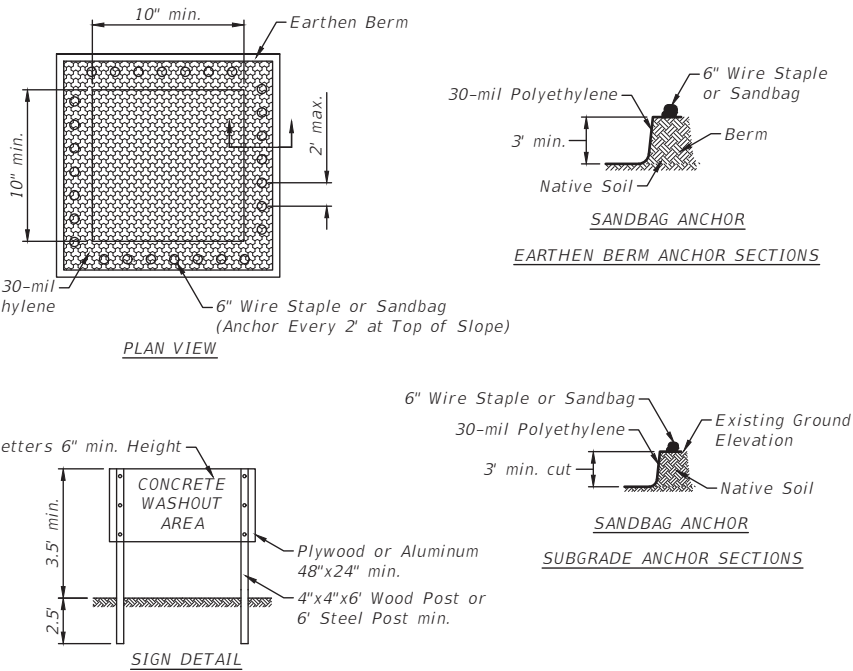
NOTES:

- Sediment filtration bags shall be placed on a stabilized surface away from receiving waterways and/or construction activities. Sediment filtration bags shall not be placed, whole or partially, within aquatic areas (wetlands, streams, etc.) or water conveyance features.
- Sediment filter bags shall be raised above the supporting ground on a surface, or material, that allows water to flow out of the bottom of the bag. The pump discharge shall not exceed the design discharge rate of the selected sediment filter bag.
- Sediment filter bags shall meet the material requirements of the Illinois Urban Manual, Material Specifications 592, Table 2, Class I with minimum tensile strength of 200 lbs.
- Sediment filter bags shall be sized per manufacturer recommendations and based on the sized of pump. Minimum bag size shall be 10 feet x 15 feet with a useable surface drainage area of 300 square feet.
- Largest size pump hose to be used with a sediment filtration bag is 4-inches. Multiple hoses shall not be used to one bag.
- Sediment filtration bags must be disposed of according to manufacturer's instructions. Bags may not be reused.



SEDIMENT CONTROL BAG FOR DEWATERING

ILLINOIS URBAN MANUAL STANDARD 830



NOTES:

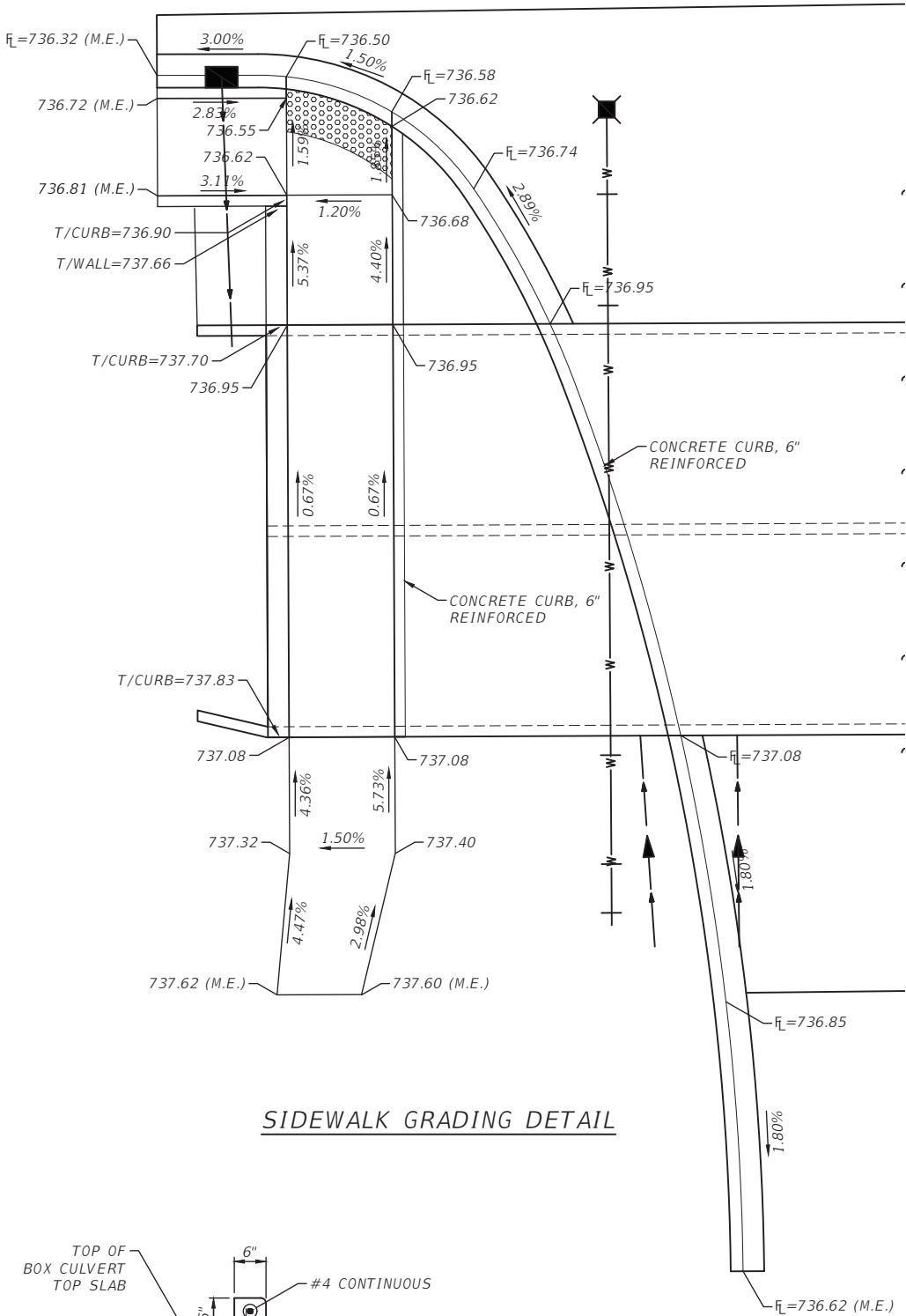
- Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
- Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.
- Cost of washout facility shall be included in the concrete pay items.

TEMPORARY CONCRETE WASHOUT FACILITY - EARTHEN TYPE
ILLINOIS URBAN MANUAL DRAWING IUM-654ET

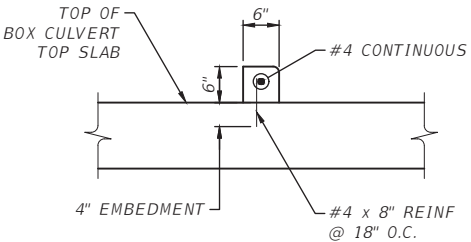
General Notes

- The thickness of HMA shown on the plans is the nominal thickness. Deviations from the nominal thickness will be permitted when such deviations occur due to irregularities in the existing surface or base on which the HMA is located.
- Except as noted on plans, pavement grades shown are at the top of pavement surfaces.
- The Engineer will be sole judge concerning curing time for the various HMA lifts.
- For stabilization, all Type III barricades will require a minimum of eight (8) sandbags per barricade.
- Seeding will not be permitted at any time when the ground is frozen, wet, or in an untillable condition. Locations to be seeded will be determined by the Engineer.
- All elevations referring to U.S.G.S. Mean Sea Level Datum.
- Abandoned underground utilities that conflict with construction shall be disposed of outside the limits of the Right of Way according to Article 202.03 of the Standard Specifications and as directed by the Engineer. This work will be not be paid for separately, but will be included in the cost of Earth Excavation for Structures.
- Any reference to a Standard in these Plans shall be interpreted to mean the Edition as indicated by the subnumber shown in the list of Standards or the copy included in these Plans.
- The following rates of application have been used in calculating plan quantities:

Granular Materials	2.05	tons/cu yd
HMA Surfacing	112	lbs/sq yd/in
Prime Coat for Aggregate Base	0.25	lbs/sq ft
Nitrogen Fertilizer Nutrient	90	lbs/acre
Phosphorus Fertilizer Nutrient	90	lbs/acre
Potassium Fertilizer Nutrient	90	lbs/acre
- Members of J.U.L.I.E. known to be within the limits of the improvements are:
ComEd
Nicor
Frontier
Comcast
City of Mendota
- The Contractor shall contact J.U.L.I.E. at least 48 hours prior to excavation to determine



SIDEWALK GRADING DETAIL



CONCRETE CURB 6", REINFORCED DETAIL

DRAWN BY: KED	LEVEL	BY	DATE	REVISIONS	DESCRIPTION
CHECKED BY: DAH					
DATE: 03/2026					



PERU MORRIS OTTAWA
ILLINOIS

9TH AVENUE BRIDGE REPLACEMENT
SECTION 24-00066-00-BR
LASALLE COUNTY

GENERAL NOTES

SHEET 1 of 1 SHEETS

CONSTRUCTION
PLANS

CURRENT AS OF: 09/08/2026	
SCALE: AS NOTED	SHEET 2
FILE NO.: 111648.00 Y-	OF 14

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Last Modified: Thursday, September 3, 2026 3:27:35 PM
Plotted On: Thursday, September 10, 2026 8:42:01 AM
by Kurt Decker

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	24-00066-00-BR	LASALLE	14	3
	ILLINOIS	CONTRACT NO. L0B55		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				0010
				050-7017
20700220	POROUS GRANULAR EMBANKMENT	CU YD	131	131
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	116	116
* 21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	64	64
* 25000300	SEEDING, CLASS 3	ACRE	0.25	0.25
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23	23
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	23	23
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23	23
* 25100630	EROSION CONTROL BLANKET	SQ YD	84	84
28100107	STONE RIPRAP, CLASS A4	SQ YD	13	13
28200200	FILTER FABRIC	SQ YD	13	13
35102400	AGGREGATE BASE COURSE, TYPE B 12"	SQ YD	116	116
40803080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	41	41
40804060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	12	12
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	235	235
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	158	158
42400800	DETECTABLE WARNINGS	SQ FT	11	11
44000100	PAVEMENT REMOVAL	SQ YD	109	109
44000300	CURB REMOVAL	FOOT	86	86
44000600	SIDEWALK REMOVAL	SQ FT	216	216
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
50200100	STRUCTURE EXCAVATION	CU YD	140	140
* 50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	29470	29470
51500100	NAME PLATES	EACH	1	1
54003000	CONCRETE BOX CULVERTS	CU YD	93.8	93.8
550B0040	STORM SEWERS, CLASS B, TYPE 1 10"	FOOT	20	20
55100400	STORM SEWER REMOVAL 10"	FOOT	20	20

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				0010
				050-7017
56100600	WATER MAIN 6"	FOOT	83	83
56101146	DUCTILE IRON WATER MAIN REDUCER, 6" X 4"	EACH	1	1
56104900	WATER VALVES 6"	EACH	2	2
56109418	DUCTILE IRON WATER MAIN FITTINGS 6" 45.00 DEGREE BEND	EACH	8	8
58700300	CONCRETE SEALER	SQ FT	1083	1083
60100925	PIPE DRAINS, 8"	FOOT	12	12
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	1	1
60603600	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	50	50
* 63000053	WEAK POST GUARDRAIL ATTACHED TO CULVERT CASE IV	FOOT	24	24
66800200	NON-SPECIAL WASTE DISPOSAL	CU YD	150	150
* 66800530	SOIL DISPOSAL ANALYSIS	EACH	3	3
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	20	20
67100100	MOBILIZATION	L SUM	1	1
72400735	REMOVE AND RELOCATE SIGN PANEL - TYPE 1	SQ FT	20	20
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	39	39
73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	1	1
X1200317	SANITARY SEWER REMOVAL	FOOT	35	35
X5610706	WATER MAIN REMOVAL, 6"	FOOT	76	76
X5610804	NON-PRESSURE CONNECTION TO EXISTING WATER MAIN	EACH	4	4
X6060150	CONCRETE CURB 6", REINFORCED	FOOT	45	45
* X7010216	TRAFFIC CONTROL AND PROTECTION, SPECIAL	L SUM	1	1
Z0007122	REMOVING AND RE-ERECTING EXISTING RAILING	FOOT	43	43
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0057200	SANITARY SEWER 15"	FOOT	35	35

* INDICATES SPECIALTY ITEM

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CHECKED BY: DAH	LEVEL	BY	DATE	DESCRIPTION
DATE: 03/2026				



PERU MORRIS OTTAWA
ILLINOIS

9TH AVENUE BRIDGE REPLACEMENT
SECTION 24-00066-00-BR
LASALLE COUNTY

SUMMARY OF QUANTITIES

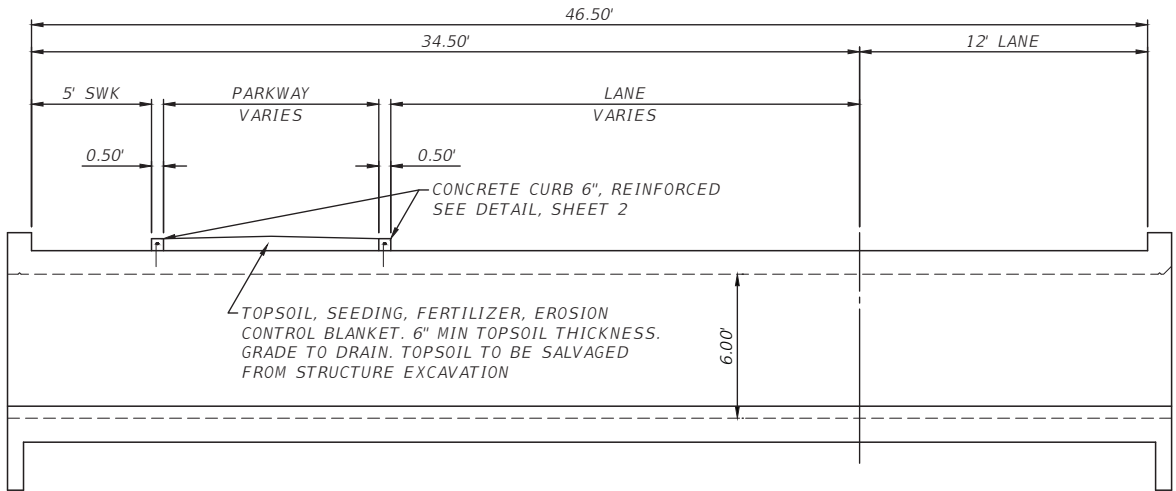
SHEET 1 of 1 SHEETS

CONSTRUCTION
PLANS

CURRENT AS OF: 09/08/2026	
SCALE: AS NOTED	SHEET 3
FILE NO.: 111648.00 Y-	OF 14

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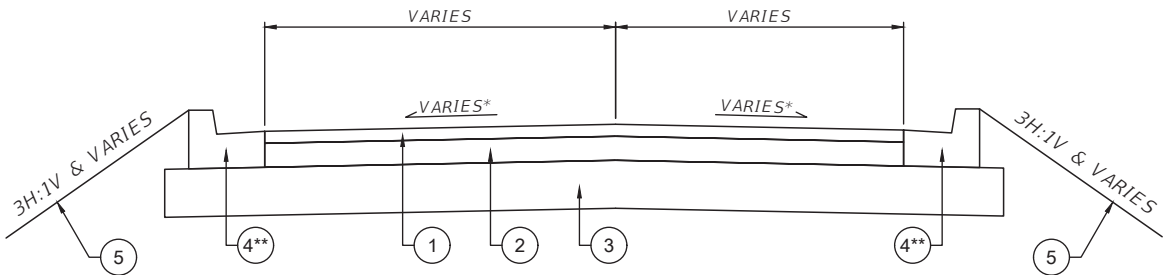
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	24-00066-00-BR	LASALLE	14	4
	ILLINOIS	CONTRACT NO. L0B55		



PROPOSED BOX CULVERT TYPICAL SECTION

STA. 10+56.24 TO STA. 10.75.74

- ① HMA SURFACE COURSE, IL-9.5 MIX "D", N50, 2"
- ② HMA BINDER COURSE, IL-19.0, N50, 7"
- ③ AGGREGATE BASE COURSE, TYPE B, 12"
- ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑤ TOPSOIL, SEEDING, FERTILIZER, EROSION CONTROL BLANKET



*TRANSITION SLOPE FROM 0.00% AT BOX CULVERT TO EXISTING CROSS SLOPE AT LIMITS

**COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (N.W., S.W., S.E. QUAD)
(MATCH EXISTING STYLE CURB (N.E. QUAD) (PAID FOR AS CURB WALL, SPECIAL))

PROPOSED FULL RECONSTRUCTION
TYPICAL SECTION

STA. 10+44.14 TO STA. 10+56.24
STA. 10+74.74 TO STA. 10+90.84

HMA MIXTURE REQUIREMENT TABLE		
LOCATIONS:	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA BINDER COURSE	HMA SURFACE COURSE
BINDER GRADE (PG):	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL-19.0	IL-9.5
FRICTION AGGREGATE:		MIXTURE D
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A
DENSITY TEST METHOD:	NUCLEAR	NUCLEAR
MATERIAL TRANSFER DEVICE (REQUIRED):	NO	NO

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CHECKED BY: DAH	LEVEL	BY	DATE	DESCRIPTION
DATE: 03/2026				



PERU MORRIS OTTAWA
ILLINOIS

9TH AVENUE BRIDGE REPLACEMENT
SECTION 24-00066-00-BR
LASALLE COUNTY

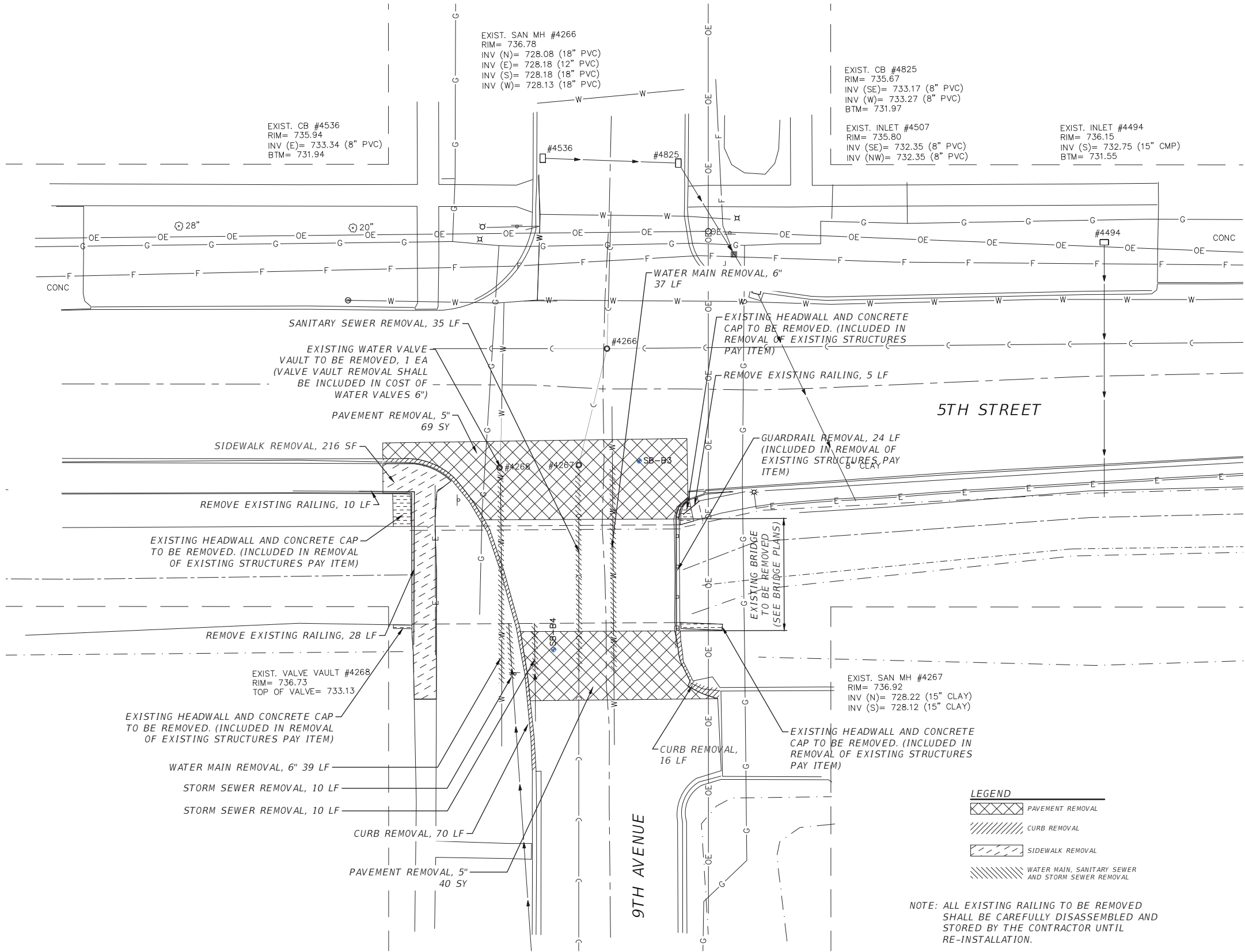
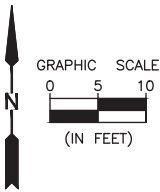
TYPICAL SECTIONS

SHEET 1 of 1 SHEETS

CONSTRUCTION
PLANS

CURRENT AS OF: 09/08/2026	
SCALE: AS NOTED	SHEET 4
FILE NO.: 111648.00 Y-	OF 14

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	24-00066-00-BR	LASALLE	14	5
	ILLINOIS	CONTRACT NO. L0B55		



LEGEND	
	PAVEMENT REMOVAL
	CURB REMOVAL
	SIDEWALK REMOVAL
	WATER MAIN, SANITARY SEWER AND STORM SEWER REMOVAL

NOTE: ALL EXISTING RAILING TO BE REMOVED SHALL BE CAREFULLY DISASSEMBLED AND STORED BY THE CONTRACTOR UNTIL RE-INSTALLATION.

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CHECKED BY: DAH				
DATE: 03/2026				



PERU MORRIS OTTAWA
ILLINOIS

9TH AVENUE BRIDGE REPLACEMENT

SECTION 24-00066-00-BR

LASALLE COUNTY

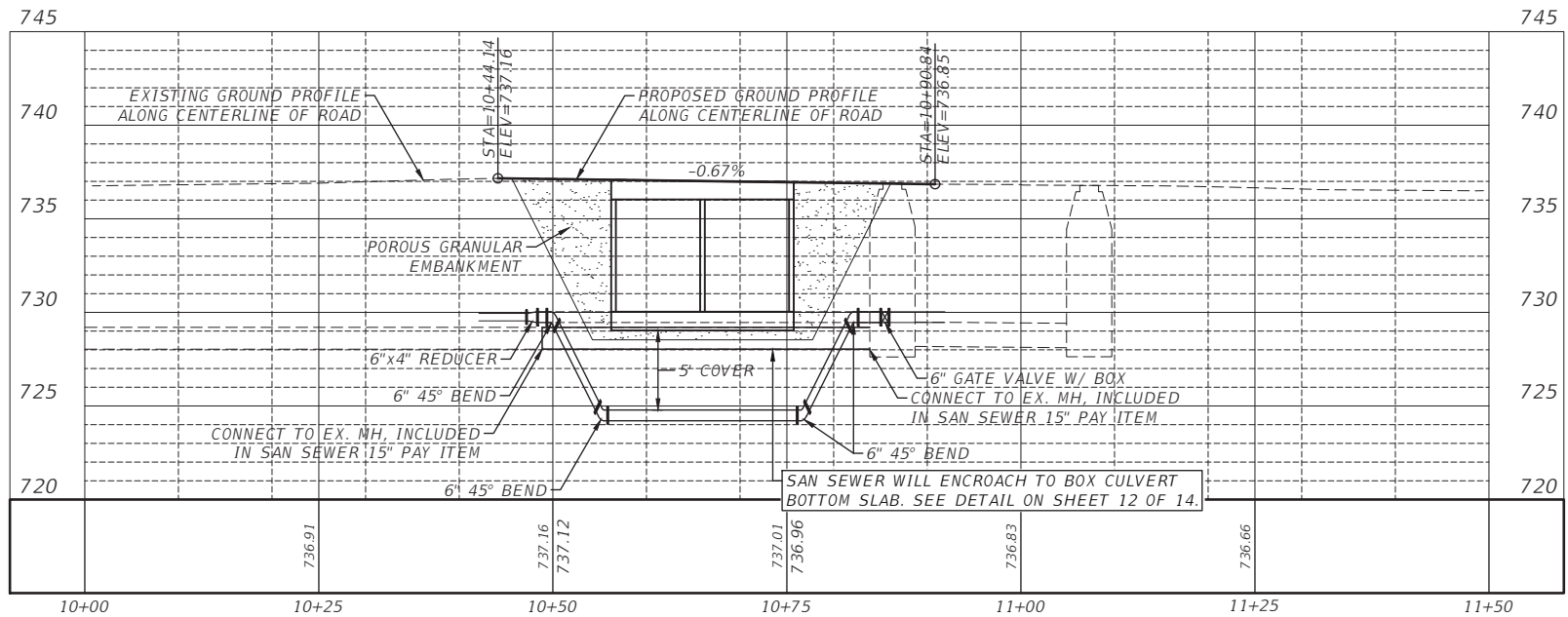
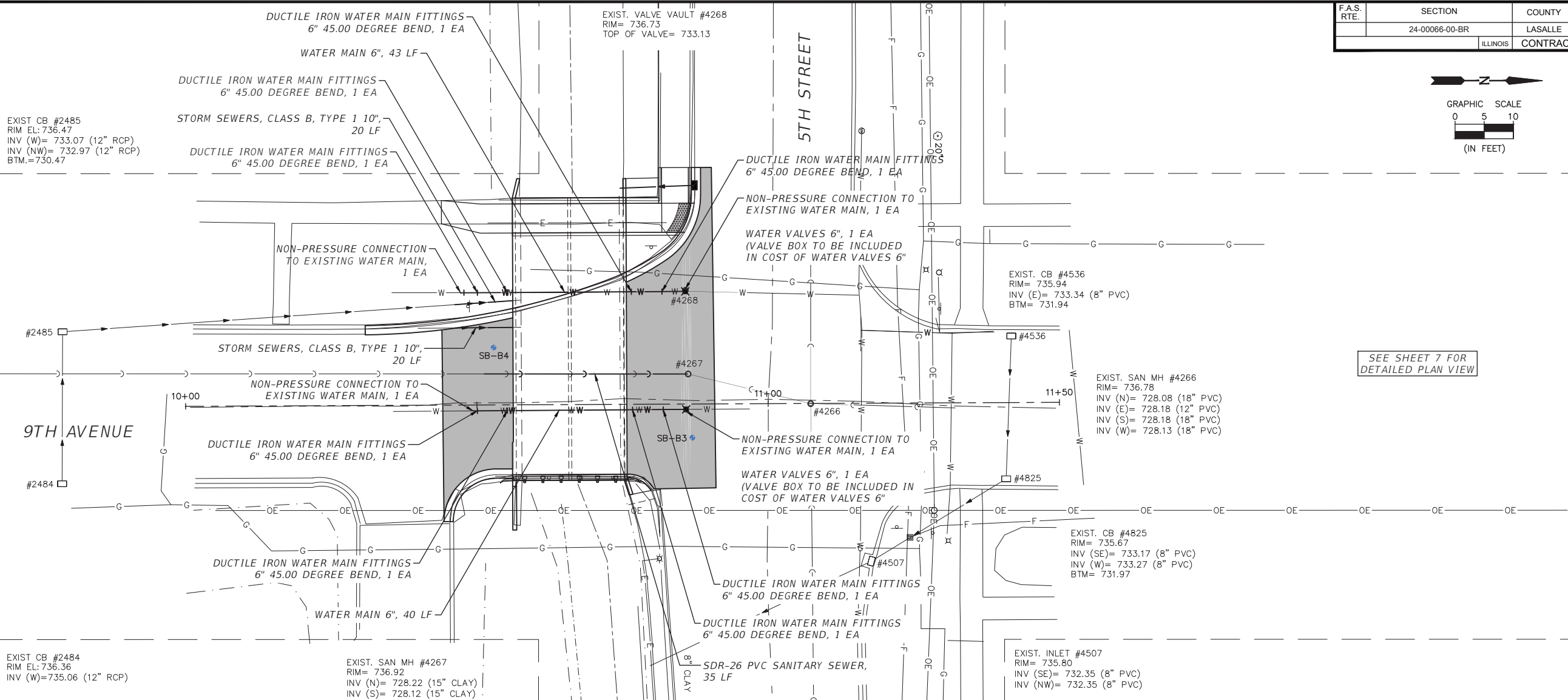
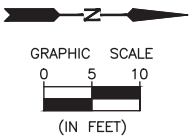
EXISTING SITE PLAN
AND DEMOLITION PLAN

SHEET 1 of 1 SHEETS

CONSTRUCTION PLANS	CURRENT AS OF: 09/08/2026		
	SCALE: AS NOTED	SHEET	5
	FILE NO.: 111648.00 Y-	OF	14

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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	24-00066-00-BR	LASALLE	14	6
ILLINOIS CONTRACT NO. L0B55				



LEVEL	BY	DATE	REVISIONS	DESCRIPTION



PERU MORRIS OTTAWA
ILLINOIS

9TH AVENUE BRIDGE REPLACEMENT
SECTION 24-00066-00-BR
LASALLE COUNTY

PLAN AND PROFILE

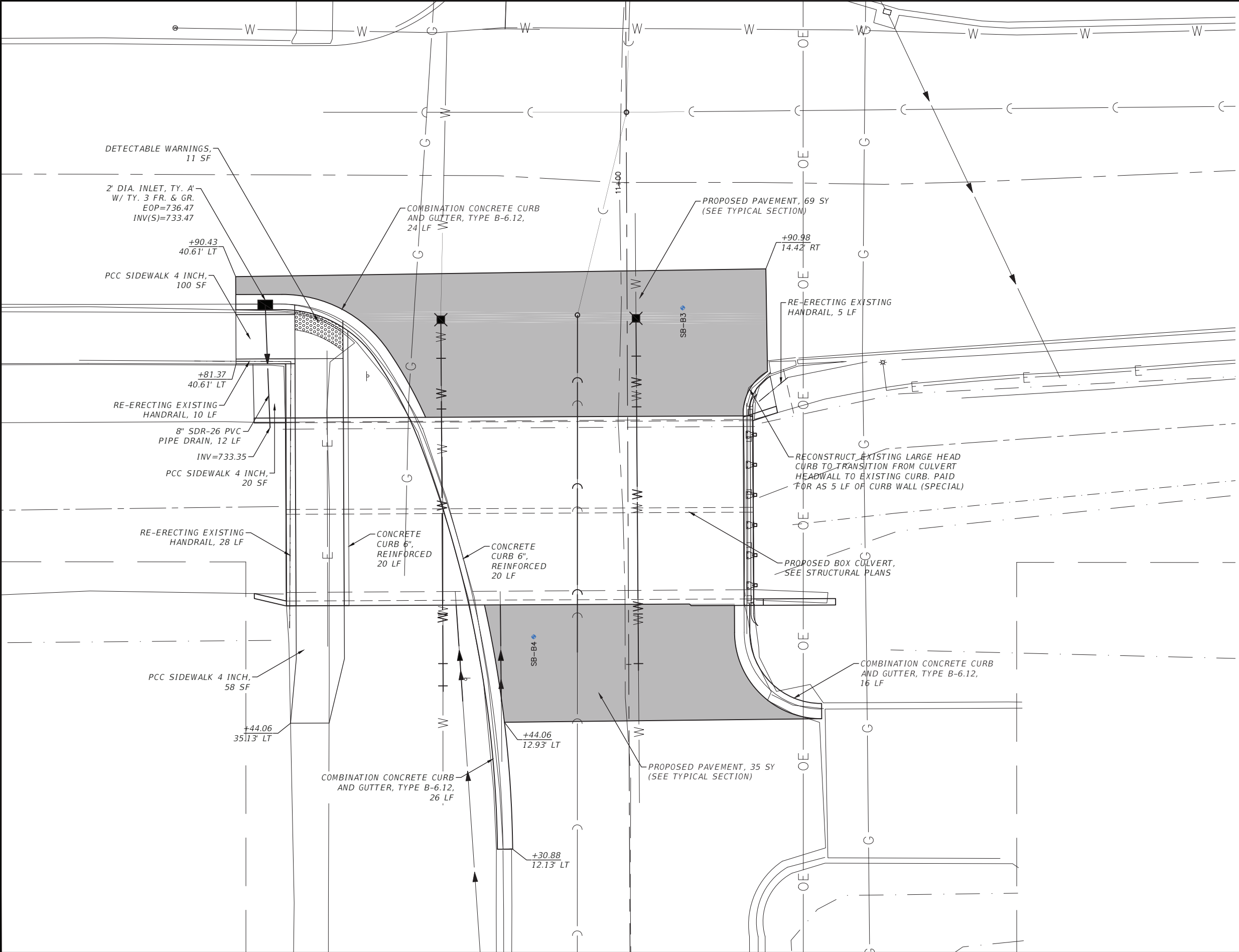
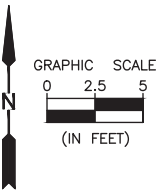
SHEET 1 of 1 SHEETS

CONSTRUCTION
PLANS

CURRENT AS OF: 09/08/2026	
SCALE: AS NOTED	SHEET 6
FILE NO.: 111648.00 Y-	OF 14

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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	24-00066-00-BR	LASALLE	14	7
		ILLINOIS	CONTRACT NO. L0B55	



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DATE: 03/2026					



PERU MORRIS OTTAWA
ILLINOIS

9TH AVENUE BRIDGE REPLACEMENT
SECTION 24-00066-00-BR
LASALLE COUNTY

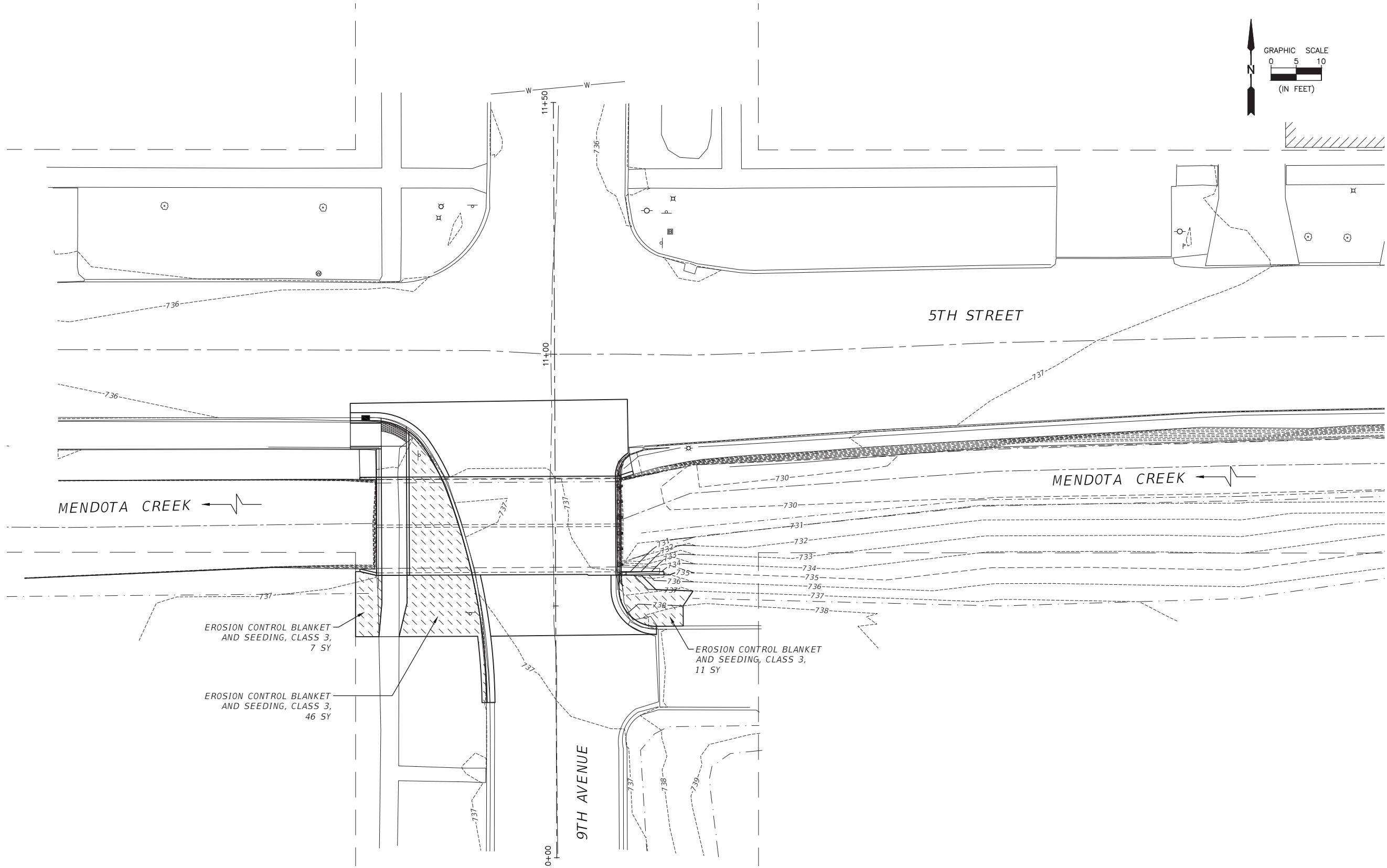
ENLARGED SITE PLAN

SHEET 1 of 1 SHEETS

CONSTRUCTION
PLANS

CURRENT AS OF: 09/08/2026	
SCALE: AS NOTED	SHEET 7
FILE NO.: 111648.00 Y-	OF 14

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	24-00066-00-BR	LASALLE	14	8
	ILLINOIS	CONTRACT NO. L0B55		



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CHECKED BY: DAH	LEVEL	BY	DATE	DESCRIPTION
DATE: 03/2026				



PERU MORRIS OTTAWA
ILLINOIS

9TH AVENUE BRIDGE REPLACEMENT
SECTION 24-00066-00-BR
LASALLE COUNTY

EROSION CONTROL
AND GRADING PLAN

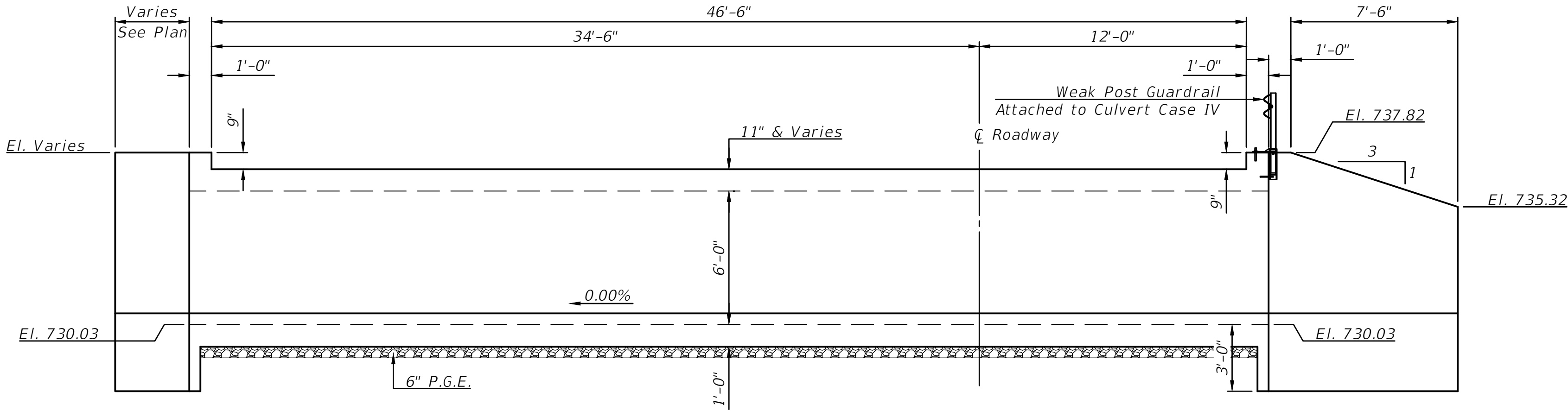
SHEET 1 of 1 SHEETS

CONSTRUCTION
PLANS

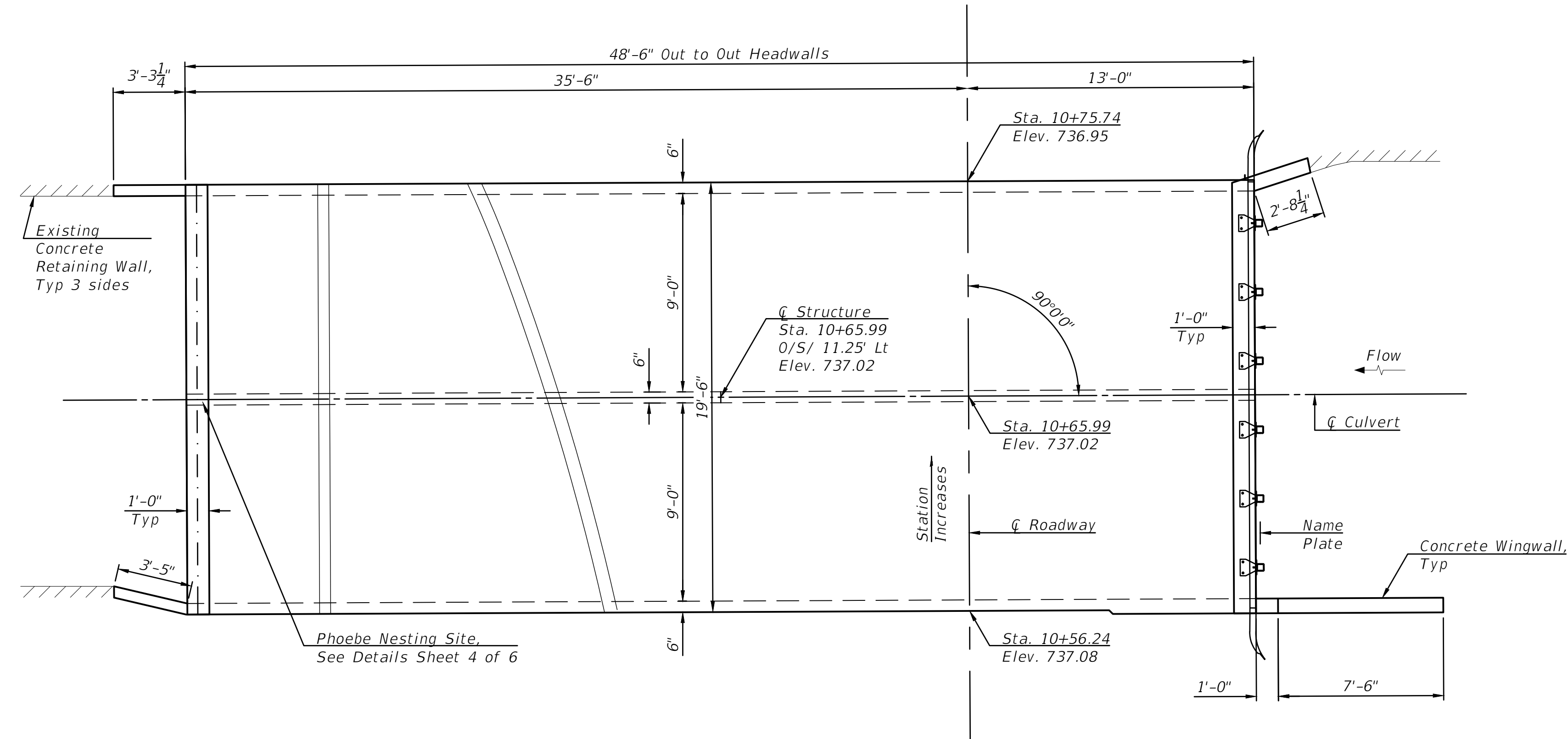
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SCALE: AS NOTED	SHEET 8
FILE NO.: 111648.00 Y-	OF 14

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Last Modified: Friday, September 18, 2026 10:20:45 AM
Plotted On: Friday, September 18, 2026 10:23:31 AM
by Kurt Becker

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	24-00066-00-BR	LASALLE	14	9
		ILLINOIS	CONTRACT NO. L0B55	

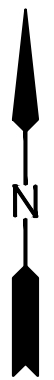


ELEVATION



WATERWAY INFORMATION TABLE

Drainage Area = 2.74 SQ MI					Low Beam Elev. = 735.90'/736.00' (Exist/Prop.)				
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	398	65	77	734.3	0.2	0.2	734.5	734.5
Design	30	613	87	100	735.5	0.6	0.3	736.2	735.8
Base	50	729	94	108	736.1	1.0	0.6	737.1	736.8
Overtopping	--	--	--	--	--	--	--	--	--
Max. Calc.	100	822	94	108	736.6	1.0	0.7	737.6	737.3
Max. H.W.E.:					Unknown (ft.)				
Exist. 10 Year Velocity:					5.67 (ft./sec.)				
Prop. 10 Year Velocity:					4.82 (ft./sec.)				



EXISTING STRUCTURE

Sta. 10+65.99 - Single span steel beam bridge on closed abutments with assumed spread footings.

Structure closed to traffic during construction.

SN 050-7008. No Salvage.

GENERAL NOTES

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall 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.

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

Reinforcement bars designated (E) shall be epoxy coated.

All proposed construction activities shall be in accordance with Nationwide Permit 14 of the US Army Corps of Engineers.

Precast alternate is not allowed.

Contractor shall be responsible for diverting the water flow from the construction area using a method meeting the approval of the Engineer and included in the unit cost of Concrete Box Culverts.

Concrete sealer shall be applied to top of box culvert bare deck.

DESIGN STRESSES

FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

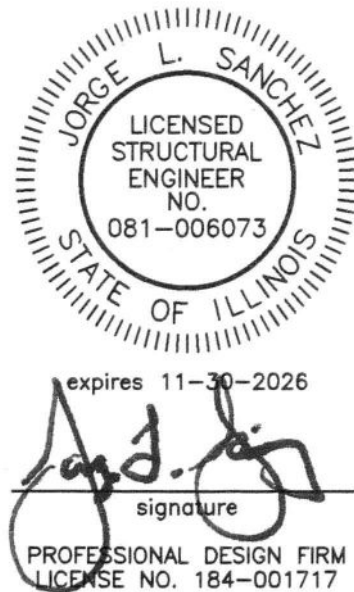
LOADING HL-93

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

INDEX OF STRUCTURE SHEETS

- General Plan & Elevation
- Riprap Details
- 4. Box Culvert Details
- 6. Soil Borings

9-18-2026
date



I certify that to the best of knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Bridge Design Specifications".

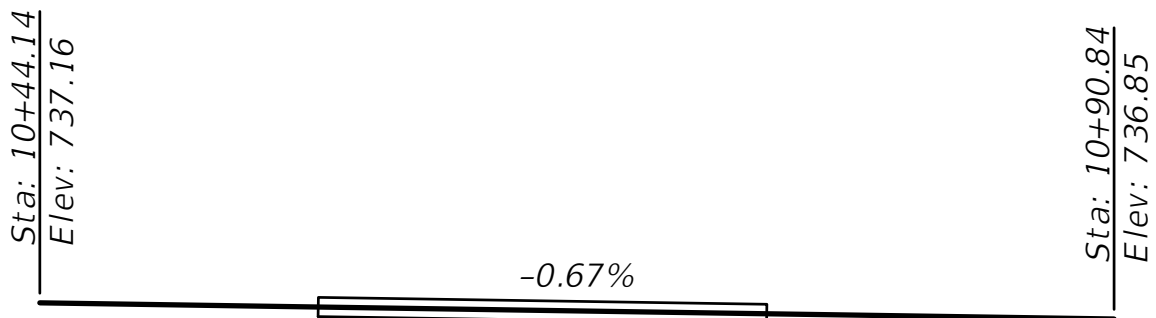
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	131
Stone Rip Rap, Class A4	Sq. Yd.	13
Filter Fabric	Sq. Yd.	13
Removal of Existing Structures	Each	1
Structure Excavation	Cu. Yd.	140
Reinforcement Bars, Epoxy Coated	Pound	29470
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	93.8
Concrete Sealer	Sq. Ft.	1083
Weak Post Guardrail attached to Culvert Case IV	Foot	24

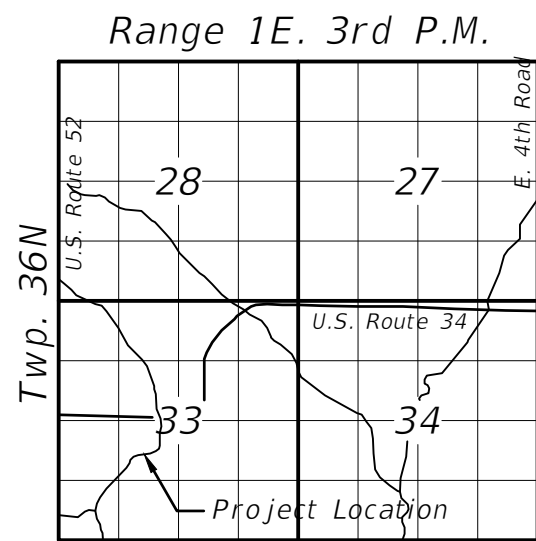
STA. 10+65.99
BUILT 202_ BY
CITY OF MENDOTA
SEC. 24-00066-00-BR
LOADING HL-93
STR. NO. 050-7017

NAME PLATE

See Std. 515001



PROFILE GRADE



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
9TH AVENUE
OVER MENDOTA CREEK
SEC. 24-00066-00-BR
CITY OF MENDOTA
STATION 10+65.99
S.N. 050-7017

DRAWN BY: KED	REVISIONS			
	LEVEL	BY	DATE	DESCRIPTION
CHECKED BY: JLS				
DATE: 03/2026				



9TH AVENUE BRIDGE REPLACEMENT
SECTION 24-00066-00-BR
LASALLE COUNTY

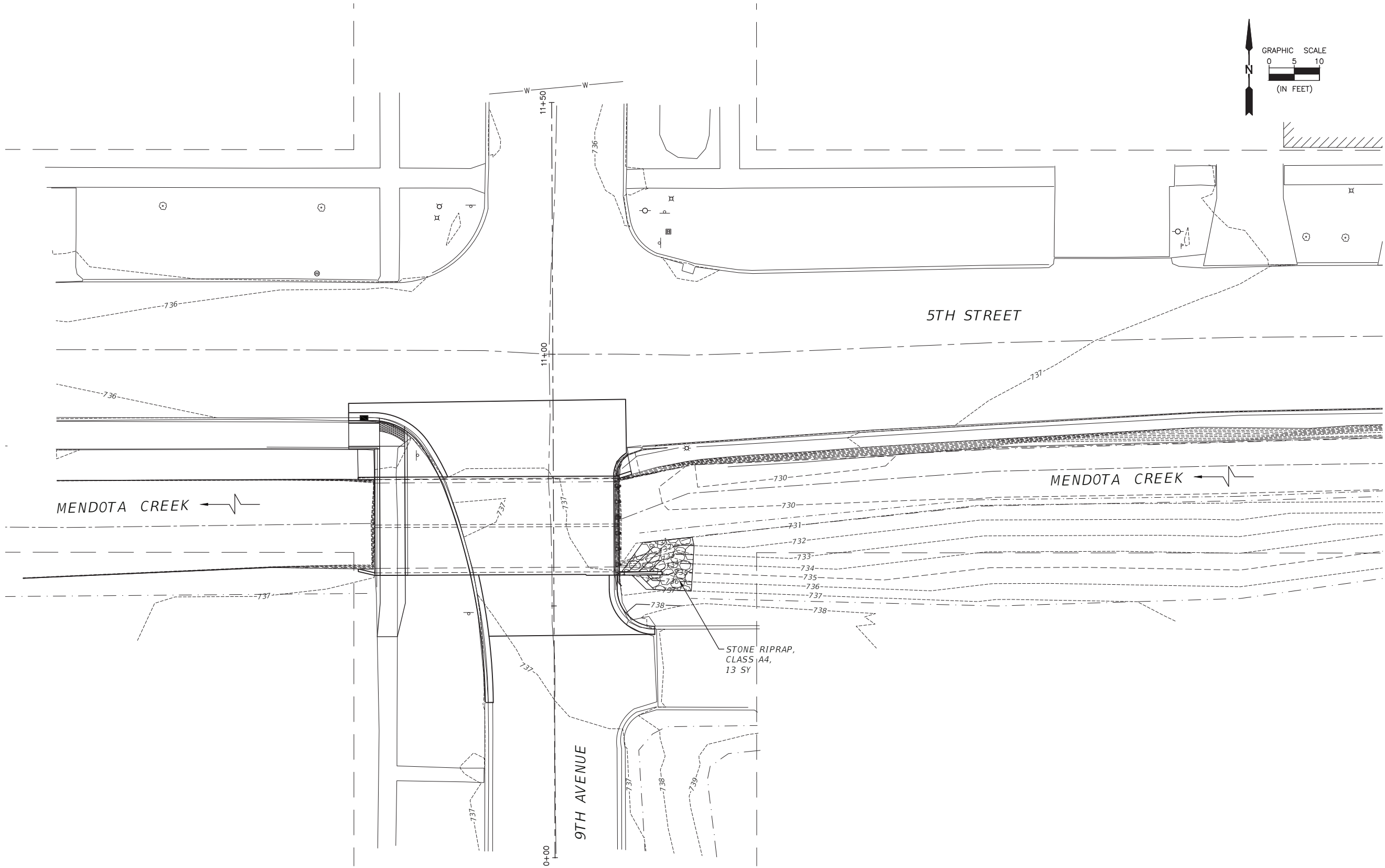
GENERAL PLAN AND ELEVATION

SHEET 1 of 6 SHEETS

CONSTRUCTION PLANS

CURRENT AS OF: 09/18/2026	
SCALE: AS NOTED	SHEET 9
FILE NO.: 111648.00 Y-	OF 14

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	24-00066-00-BR	LASALLE	14	10
---	ILLINOIS	CONTRACT NO. L0B55		



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	REVISIONS			
	LEVEL	BY	DATE	DESCRIPTION
DRAWN BY: KED				
CHECKED BY: JLS				
DATE: 03/2026				



PERU MORRIS OTTAWA
ILLINOIS

9TH AVENUE BRIDGE REPLACEMENT

SECTION 24-00066-00-BR

LASALLE COUNTY

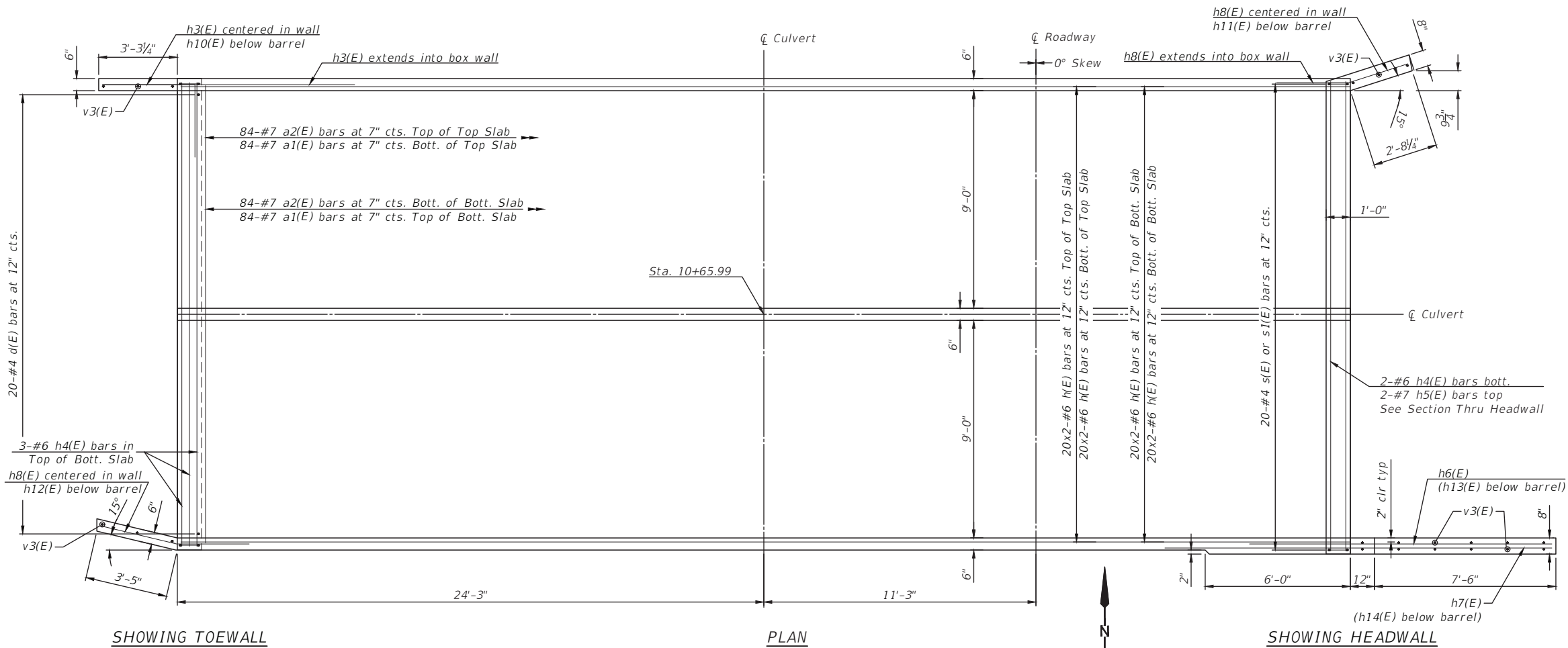
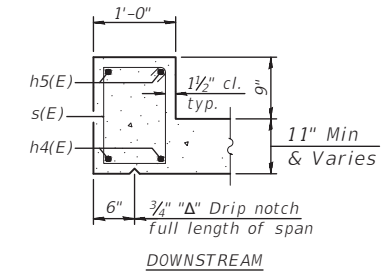
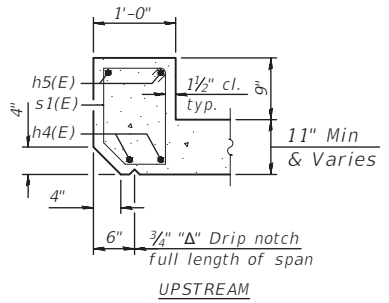
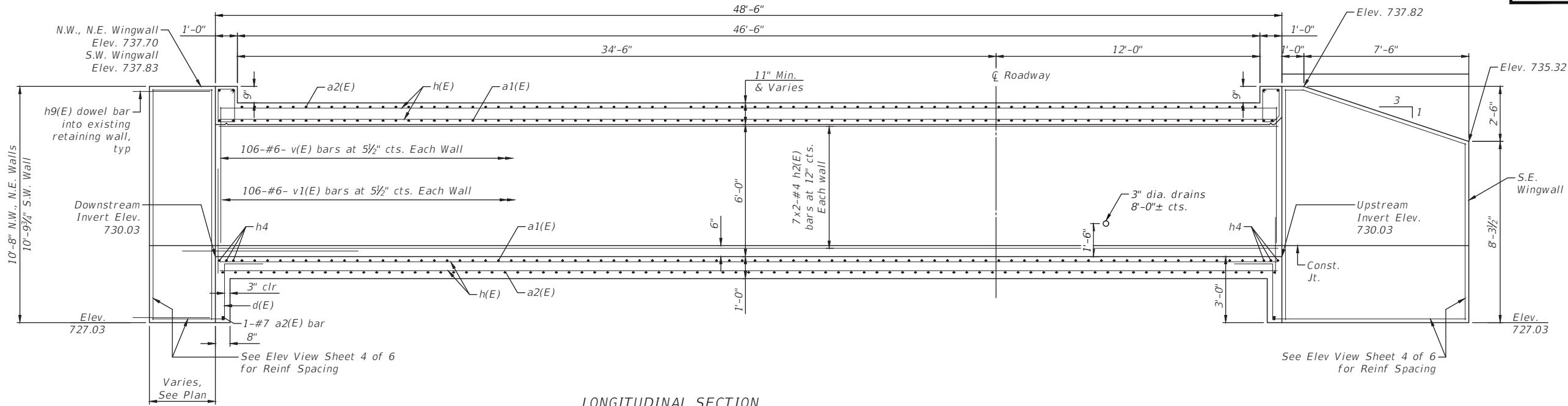
RIPRAP DETAILS
SHEET 2 of 6 SHEETS

CONSTRUCTION
PLANS

CURRENT AS OF: 09/08/2026	
SCALE: AS NOTED	SHEET 10
FILE NO.: 111648.00 Y-	OF 14

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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	24-00066-00-BR	LASALLE	14	11
ILLINOIS CONTRACT NO. L0B55				



MINIMUM BAR LAP

#4 bar = 1'-8"
#6 bar = 3'-3"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1(E)	168	#7	20'-10"	—
a2(E)	170	#7	19'-2"	—
d(E)	40	#4	4'-4"	┐
h(E)	160	#6	25'-9"	—
h2(E)	42	#4	24'-11"	—
h3(E)	9	#6	8'-0"	—
h4(E)	10	#6	19'-2"	—
h5(E)	4	#7	19'-2"	—
h6(E)	14	#5	12'-6"	—
h7(E)	14	#6	16'-0"	—
h8(E)	18	#6	6'-0"	—
h9(E)	39	#6	3'-6"	—
h10(E)	4	#6	6'-10"	┐
h11(E)	4	#6	6'-0"	┐
h12(E)	4	#6	7'-0"	┐
h13(E)	7	#5	11'-6"	┐
h14(E)	7	#6	14'-2"	┐
s(E)	20	#4	5'-1"	┐
s1(E)	20	#4	5'-0"	┐
v(E)	318	#6	6'-1"	—
v1(E)	318	#6	7'-7"	┐
v3(E)	21	#4	10'-5"	—
x(E)	12	#5	4'-0"	—
Concrete Box Culverts			Cu. Yd.	93.8
Reinforcement Bars(E)			Pound	29470

Notes:
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
At the Contractor's option, a longer v1 bar may be ordered to replace the v bar. No reduction in quantities shall be made for this substitution.
O.F. = outside face, I.F. = inside face
Trim excess length of v3 bars in sloping portion of S.E. Wingwall.

DRAWN BY: KED	LEVEL	BY	DATE	REVISIONS	DESCRIPTION
CHECKED BY: JLS					
DATE: 03/2026					



PERU MORRIS OTTAWA
ILLINOIS

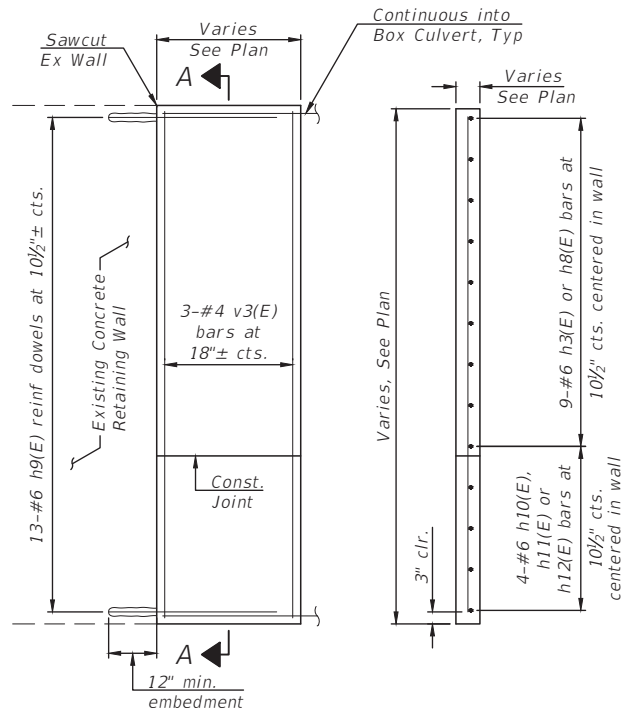
9TH AVENUE BRIDGE REPLACEMENT
SECTION 24-00066-00-BR
LASALLE COUNTY

BOX CULVERT DETAILS

SHEET 3 of 6 SHEETS

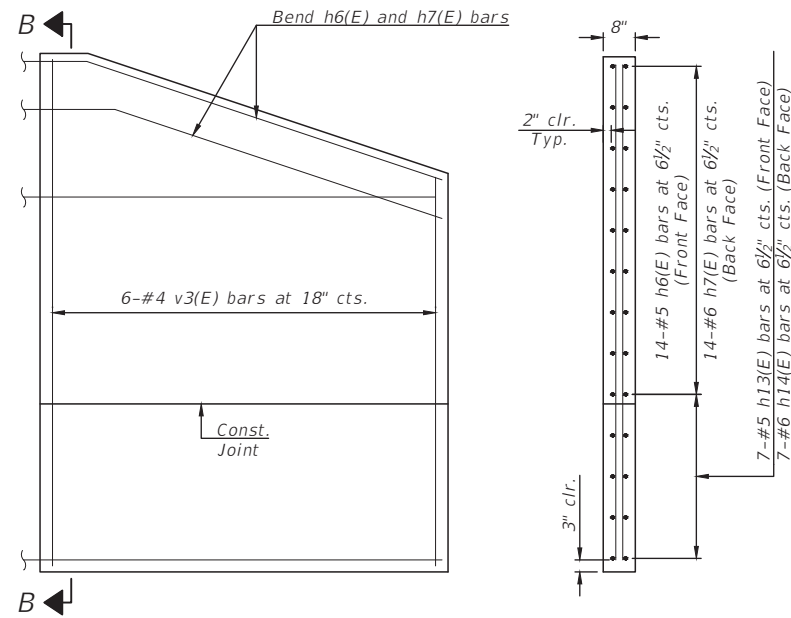
CONSTRUCTION
PLANS

CURRENT AS OF: 09/08/2026	
SCALE: AS NOTED	SHEET 11
FILE NO.: 111648.00 Y-	OF 14



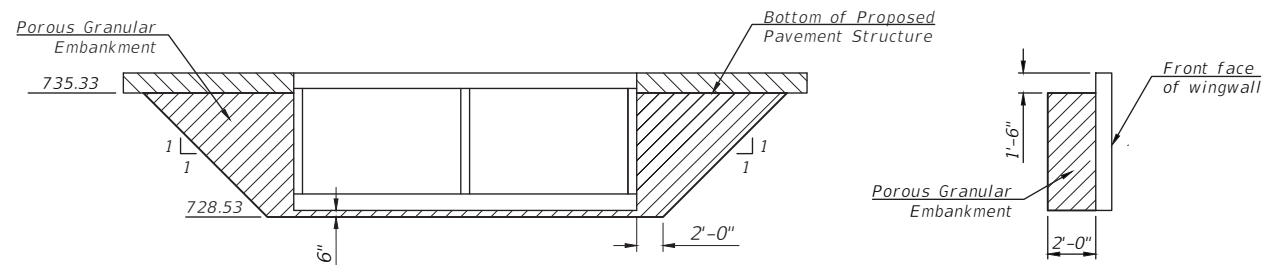
ELEVATION SECTION A-A

N.W., N.E., S.W. WINGWALL
REINFORCEMENT DETAILS

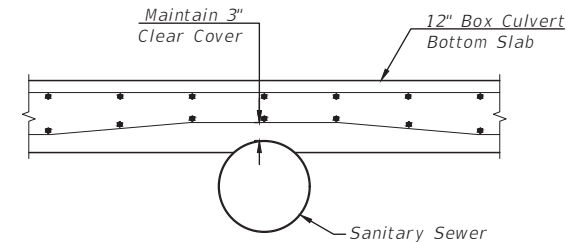


ELEVATION SECTION B-B

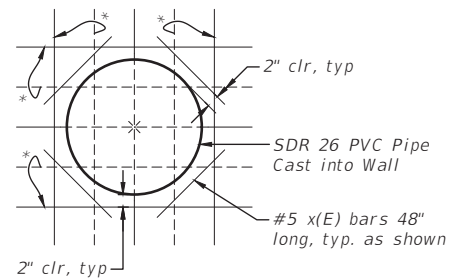
S.E. WINGWALL
REINFORCEMENT DETAILS



PAY LIMITS FOR POROUS
GRANULAR EMBANKMENT
(Hatched area)

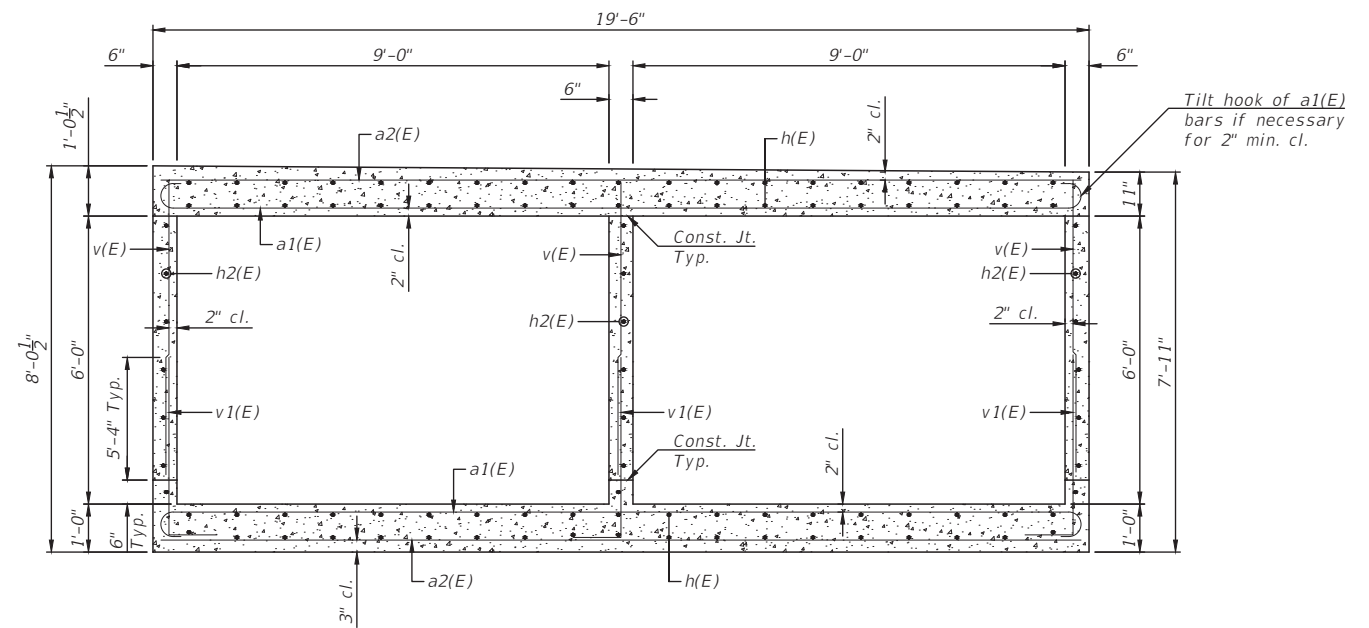


SANITARY SEWER IN
BOTTOM SLAB DETAIL

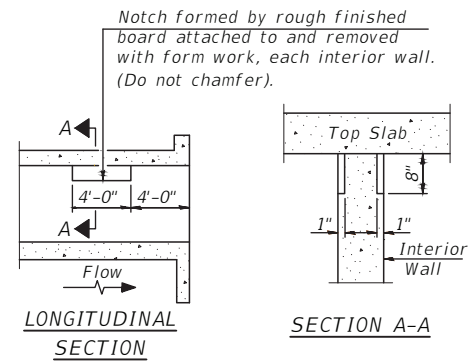


PIPE PENETRATION OF
CONCRETE WALL DETAIL

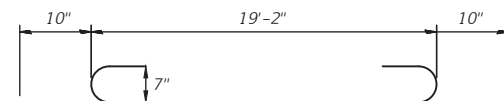
*Reinforcement in conflict with pipe penetration shall be adjusted up to 1/2 specified bar spacing. Reinforcement shall otherwise be cut as shown.



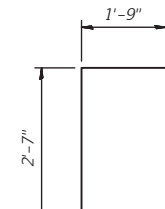
SECTION THRU BARREL
(Looking West)



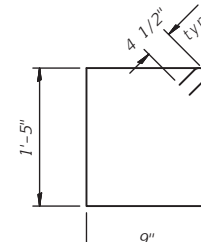
PHOEBE NESTING
SITE DETAILS
(Downstream End Only)



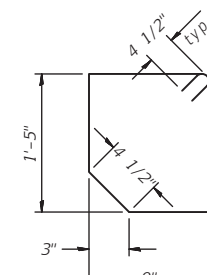
BAR a1(E)



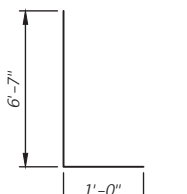
BAR d(E)



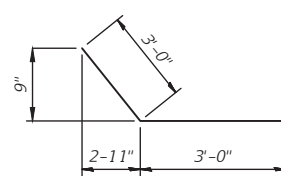
BAR s(E)



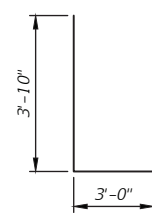
BAR s1(E)



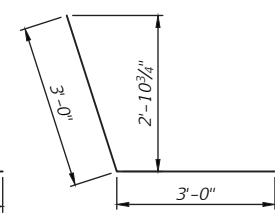
BAR v1(E)



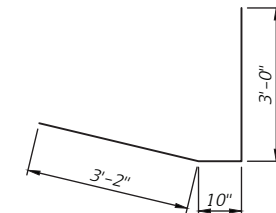
BAR h8(E)



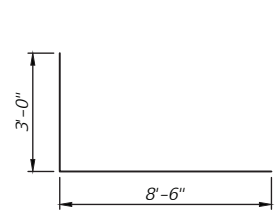
BAR h10(E)



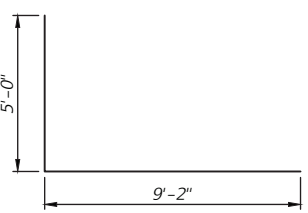
BAR h11(E)



BAR h12(E)



BAR h13(E)



BAR h14(E)

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DATE: 03/2026					



9TH AVENUE BRIDGE REPLACEMENT
SECTION 24-00066-00-BR
LASALLE COUNTY

BOX CULVERT DETAILS

SHEET 4 of 6 SHEETS

CONSTRUCTION
PLANS

CURRENT AS OF: 09/08/2026	
SCALE: AS NOTED	SHEET 12
FILE NO.: 111648.00 Y-	OF 14



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

BORING LOG

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

Sheet 1 of 2

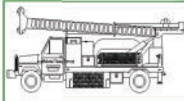
Client: Chamlin & Associates, Inc.
Project Name 5th Street & 9th Avenue Bridge/Box Culvert
Project Site: Mendota, IL.

Boring No. B-3
Surface Elev. 736.70
Auger Depth 31-Ft. Rotary Depth NA
Start Date 04/26/25 Finish Date 04/26/25

Location: 1778255.4991 768534.5630
Moved boring 6-Ft. N.W. of marked location.

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	
736.70	5" Asphalt over 11" Aggregate		1							
735.70			2							
734.70	Stiff Black Silty Clay		3	1	SS	1.0	5	B	26	
733.70			4							
732.70			5							
731.70	Medium Black and Brown Silty Clay with Organics		6	2	SS	0.8	3	B	28	
730.70			7							
729.70			8							
728.70			9	3	SS	0.8	3	B	28	
727.70			10							
726.70	Stiff Brownish Gray Clay		11	4	SS	1.2	6	B	17	
725.70			12							
724.70			13	5	SS	2.1	12	B	14	
723.70			14							
722.70			15							
721.70			16	6	SS	2.0	12	B	13	
720.70			17							
719.70	Very Stiff Gray Clay Till		18	7	SS	2.3	14	B	14	
718.70			19							
717.70			20	8	SS	2.6	15	B	12	

Groundwater Data: No groundwater encountered at time of subsurface investigation.
Comments:



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

BORING LOG

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

Sheet 2 of 2

Client: Chamlin & Associates, Inc.
Project Name 5th Street & 9th Avenue Bridge/Box Culvert
Project Site: Mendota, IL.

Boring No. B-3
Surface Elev. 736.70
Auger Depth 31-Ft. Rotary Depth NA
Start Date 04/26/25 Finish Date 04/26/25

Location: 1778255.4991 768534.5630
Moved boring 6-Ft. N.W. of marked location.

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	
715.70			22							
714.70			23	9	SS	2.4	13	B	15	
713.70			24							
712.70			25							
711.70	Very Stiff Gray Clay Till		26	10	SS	2.6	15	B	14	
710.70			27							
709.70			28	11	SS	2.8	13	B	15	
708.70			29							
707.70			30							
706.70			31	12	SS	2.5	14	B	12	
705.70	Boring Terminated		32							
704.70			33							
703.70			34							
702.70			35							
701.70			36							
700.70			37							
699.70			38							
698.70			39							
697.70			40							
696.70			41							
695.70										

Groundwater Data: No groundwater encountered at time of subsurface investigation.
Comments:

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DATE: 03/2026					



PERU MORRIS OTTAWA
ILLINOIS

9TH AVENUE BRIDGE REPLACEMENT
SECTION 24-00066-00-BR
LASALLE COUNTY

SOIL BORINGS

SHEET 5 of 6 SHEETS

**CONSTRUCTION
PLANS**

CURRENT AS OF: 09/08/2026	
SCALE: AS NOTED	SHEET 13
FILE NO.: 111648.00 Y-	OF 14



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

BORING LOG

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

Sheet 1 of 2

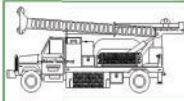
Client: Chamlin & Associates, Inc.
Project Name 5th Street & 9th Avenue Bridge/Box Culvert
Project Site: Mendota, IL.

Boring No. B-4
Surface Elev. 737.27
Auger Depth 31-Ft. Rotary Depth NA
Start Date 04/26/25 Finish Date 04/26/25

Location: 1778224.0593 768512.2472
Moved boring 2-Ft. N.E. of marked location.

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	
737.27										
736.27	5" Asphalt over 7" Aggregate		1							
735.27	Stiff Black Silty Clay		2							
734.27			3	1	SS	1.2	5	B	25	
733.27			4							
732.27			5							
731.27	Stiff Brownish Gray Silty Clay		6	2	SS	1.2	5	B	21	
730.27			7							
729.27			8	3	SS	1.4	6	B	18	
728.27			9							
727.27			10							
726.27	Stiff Gray Clay Till		11	4	SS	1.6	8	B	15	
725.27			12							
724.27			13	5	SS	1.8	8	B	14	
723.27			14							
722.27			15							
721.27			16	6	SS	2.5	13	B	14	
720.27	Very Stiff Gray Clay Till		17							
719.27			18	7	SS	2.5	13	B	14	
718.27			19							
717.27			20	8	SS	2.8	16	B	13	

Groundwater Data: No groundwater encountered at time of subsurface investigation.
Comments:



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

BORING LOG

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

Sheet 2 of 2

Client: Chamlin & Associates, Inc.
Project Name 5th Street & 9th Avenue Bridge/Box Culvert
Project Site: Mendota, IL.

Boring No. B-4
Surface Elev. 737.27
Auger Depth 31-Ft. Rotary Depth NA
Start Date 04/26/25 Finish Date 04/26/25

Location: 1778224.0593 768512.2472
Moved boring 2-Ft. N.E. of marked location.

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	
716.27										
715.27			22							
714.27			23	9	SS	2.5	15	B	13	
713.27			24							
712.27	Very Stiff Gray Clay Till		25							
711.27			26	10	SS	3.0	18	B	12	
710.27			27							
709.27			28	11	SS	2.6	15	B	13	
708.27			29							
707.27			30							
706.27			31	12	SS	2.6	15	B	13	
705.27	Boring Terminated		32							
704.27			33							
703.27			34							
702.27			35							
701.27			36							
700.27			37							
699.27			38							
698.27			39							
697.27			40							
696.27			41							

Groundwater Data: No groundwater encountered at time of subsurface investigation.
Comments:

CHAMLIN & ASSOCIATES, INC. © 2024
Drawing Name: G:\Users\11111648-00-Mendota-9th Ave. Bridge Street Replacement\CAD\PLANS\111648-014-BORINGS02.dwg Last Modified: Thursday, September 10, 2026 6:57:17 AM by Kurt Decker

DRAWN BY: KED	REVISIONS			
CHECKED BY: JLS	LEVEL	BY	DATE	DESCRIPTION
DATE: 03/2026				



PERU MORRIS OTTAWA
ILLINOIS

9TH AVENUE BRIDGE REPLACEMENT
SECTION 24-00066-00-BR
LASALLE COUNTY

SOIL BORINGS

SHEET 6 of 6 SHEETS

**CONSTRUCTION
PLANS**

CURRENT AS OF: 09/08/2026	
SCALE: AS NOTED	SHEET 14
FILE NO.: 111648.00 Y-	OF 14