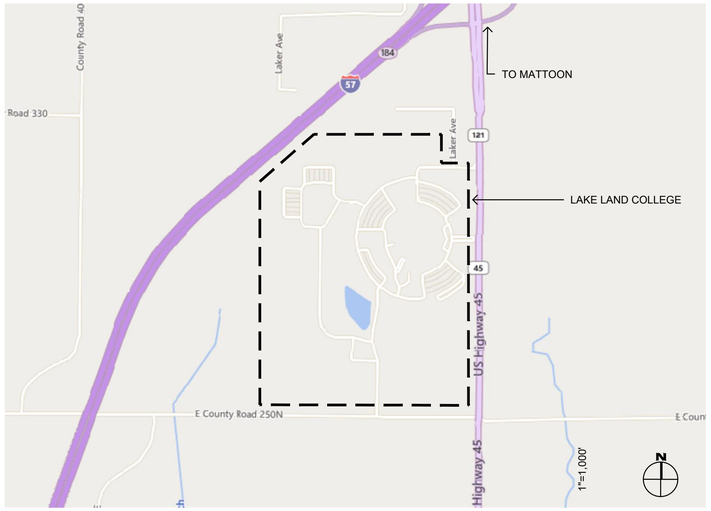
LAKE LAND COLLEGE
ENTRANCE IMPROVEMENTS

5001 LAKE LAND BLVD. MATTOON, IL 61938

CONSTRUCTION DRAWINGS

SEPTEMBER 16, 2025

PROJECT VICINITY MAP



ABBREVIATIONS

&	And	EX	Existing	PROP.	Proposed
@	At	EXP	Expansion Or Exposed	PSI	Pounds Per Square Inch
A	Amp	FES	Flared-End Section	PVC	Polyvinyl Chloride
ADD	Additive	F.F.	Finished Floor	Q.CPLR	Quick Coupler
A.F.F.	Above Finish Floor	F.F.E.	Finished Floor Elevation	R	Radius
AGG.	Aggregate	F.G.	Finished Grade	RCP	Reinforced Concrete Pipe
AI	Area Inlet	F.L.	Flow Line	REINF.	Reinforcing
ALT	Alternative	FTG	Fitting	REQD.	Required
APPROX.	Approximate	GFI	Ground Fault Interruptor	S.F.	Square Feet Or Square Foot
ASPH	Asphalt	GRD	Ground	SCH	Schedule
ATG	Adjust To Grade	HDPE	High Density Polyethylene	S.S.	Sanitary Sewer
BC	Bottom Of Curb	HORZ	Horizontal	STA	Station
BOTT	Bottom	HP	High Point	SQ.	Square
BW	Bottom Of Wall	JCT	Junction	T.C.	Top Of Curb
C.F.C.I.	City Furnished Cont. Installed	JT	Joint	T.F.	Top Of Footing
C.F.S.	Cubic Feet Per Second	L.F.	Linear Foot	T.W.	Top Of Wall
CI	Curb Inlet	LBS/FT	Pounds Per Foot	TBR	To Be Removed
C.I.P.	Cast In Place	M.H.	Manhole	TC	Top Of Curb
C.J.	Construction Joint	MAX	Maximum	TYP	Typical
C.L.	Centerline	MH	Manhole	U.I.P.	Use In Place
C.P.	Control Point	MIN	Minimum	UON	Unless Otherwise Noted
CONC	Concrete	MISC	Miscellaneous	U.V.	Ultraviolet
CONT	Continuous	N	Northing Or North	V	Volt
C.O.	Cleanout	N.E.C.	National Electrical Code	V.C.P.	Vitrified Clay Pipe
DCI	Double Curb Inlet	N.I.C.	Not In Contract	Veg.	Vegetation
DEMO	Demolish	N/A	Not Applicable	VERTS	Verticals
D.I.P.	Ductile Iron Pipe	NO.	Number	W	Wide/Watt/Water
DIA	Diameter	NTS	Not To Scale	W.L.	Water Level
D.F.	Drinking Fountain	O.C.	On Center	W.W.F.	Welded Wire Fabric
E	Easting Or East	O.D.	Outside Diameter	W/	With
EA	Each	P.C.	Point Of Curvature	WO	Without
E.F.	Expansion Joint	P.C.C.	Portland Cement Concrete	WP	Water Proof
ELEC	Electrical Or Electric	PH	Phase	WSEL	Water Surface Elevation
ELEV	Elevation	P.N.	Product Number/Part Number		
EW	Each Way	P.O.B.	Point Of Beginning		

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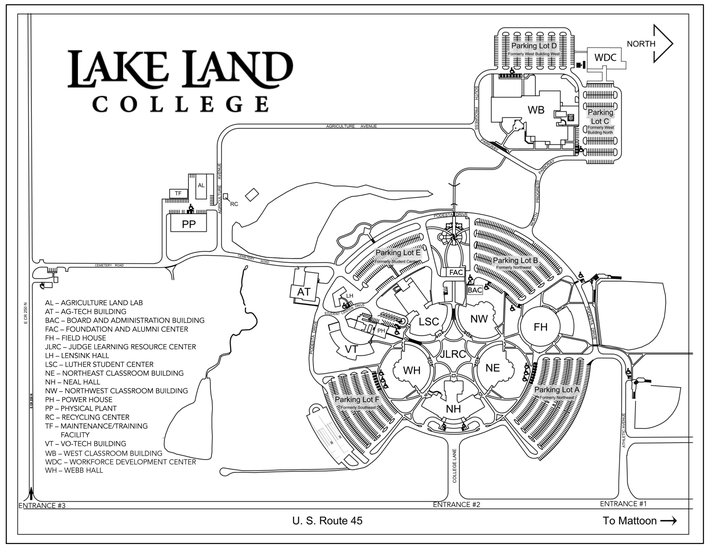
SITE ORIENTATION MAP

CAMPUS MAP



OWNER

LAKE LAND COLLEGE
5001 LAKE LAND BLVD
MATTOON, IL, 61938
217-234-5224

PERMIT INFORMATION

ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) HIGHWAY PERMIT

ILLINOIS NDPES EPA LAND DISTURBANCE PERMIT

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St. Louis, Missouri 63127
314-725-5889

REGISTERED LANDSCAPE ARCHITECT
LAMBERT ANDREW FRANKE
001486
STATE OF ILLINOIS

NAME: L. ANDREW FRANKE
DISCIPLINE: LANDSCAPE ARCHITECT
ILLINOIS LICENSE NO: 157.001486
EXPIRATION DATE: AUGUST 31, 2027

LAKE LAND COLLEGE
ENTRANCE IMPROVEMENTS
COVER SHEET

NO.	DATE	REVISION

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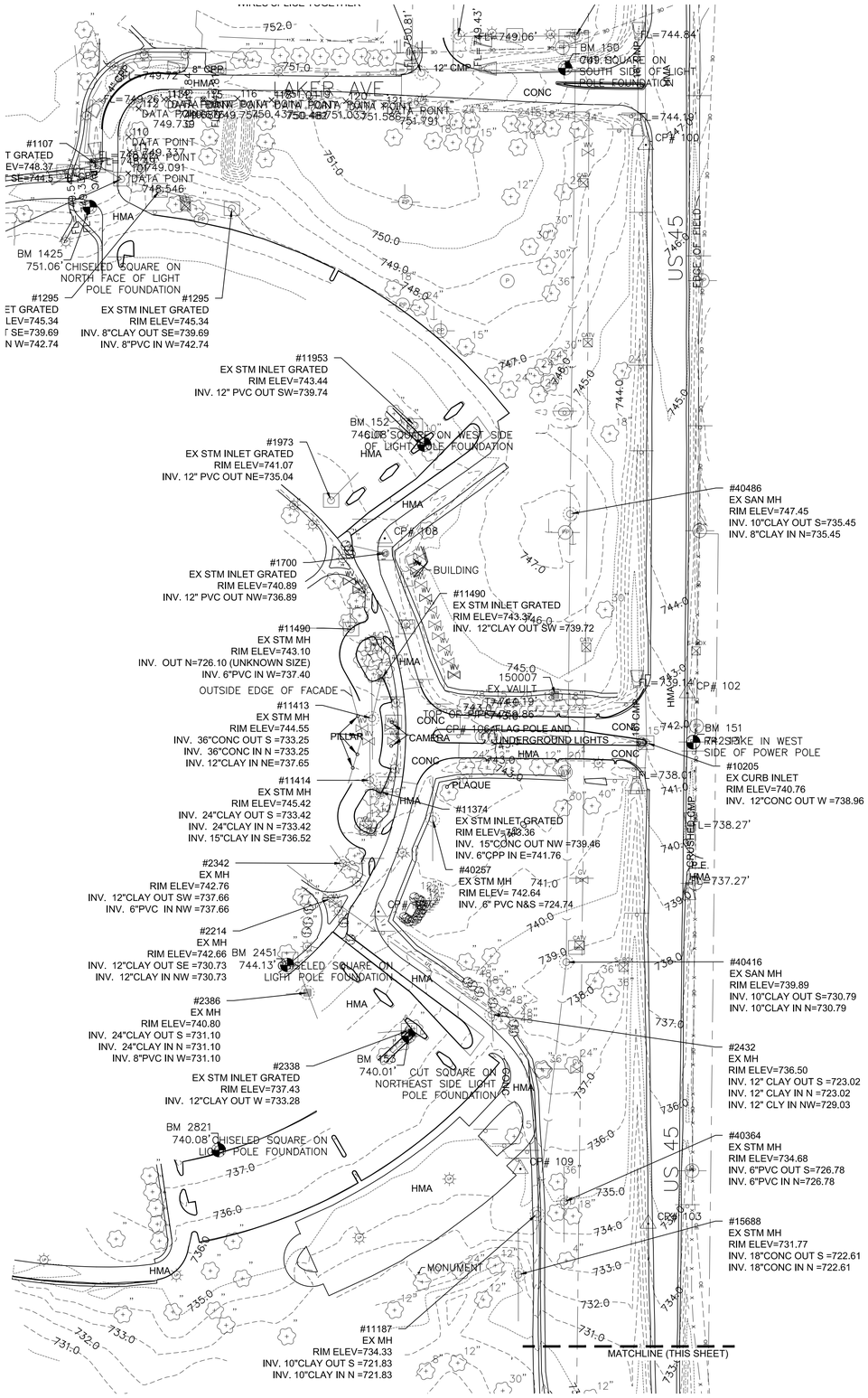
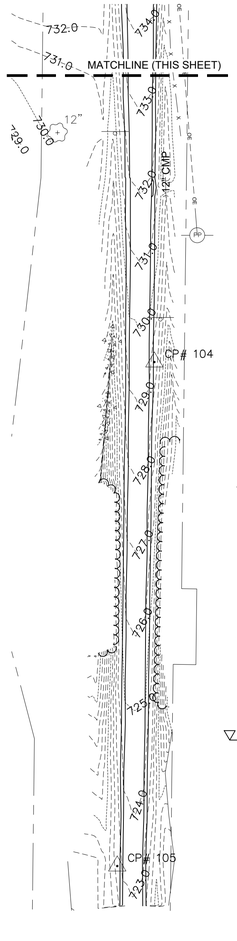
DATE: SEPTEMBER 16, 2025

DESIGNED: S. TALBERT
DRAWN: S. TALBERT
CHECKED: A. FRANKE

PDS PROJECT NO: J.2308

G0.0





BENCHMARK INFORMATION:

BM150- CHISELED BOX ON THE SOUTH SIDE OF A LIGHTPOLE BASE ON THE NORTH SIDE OF LAKER AVE AND THE SOUTH OF THE GAS STATION.
ELEV = 749.11'

BM151- RR SPIKE IN THE WEST FACE OF A POWER POLE ON THE EAST SIDE OF THE US 45 ACROSS FROM THE MAIN ENTRANCE TO LAKE LAND COLLEGE.
ELEV = 742.13'

BASIS OF BEARING:

STATE PLANE COORDINATES, ILLINOIS EAST 1201 (NAD 83)

UTILITY INFORMATION:

THE UNDERGROUND STRUCTURES, UTILITIES AND EASEMENTS HAVE BEEN PLOTTED FROM READILY AVAILABLE RECORDS AND AVAILABLE MAPS AS WELL AS FIELD OBSERVED MARKINGS AT THE TIME OF THE FIELD VISIT. LOCATIONS ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY CONSTRUCTION. THE CLIENT IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. LOCATION, RELOCATION AND CONNECTION OF THE UTILITIES SHALL BE COORDINATED WITH THE UTILITY COMPANIES.

SURVEYOR'S CERTIFICATION:

I HEREBY CERTIFY THAT A SURVEY WAS PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION AND THE FORGOING PLAT ACCURATELY REPRESENTS THE RESULTS OF SAID SURVEY. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A TOPOGRAPHIC SURVEY.

DANIEL HOLLAND
ILLINOIS PROFESSIONAL LAND SURVEYOR #3907

07/16/2025
DATED

- LIGHT POLE
- BENCHMARK
- POWER POLE
- GUY WIRE
- MANHOLE CLOSED LID
- CURB INLET
- WATER VALVE
- FIRE HYDRANT
- SIGN
- TRANSFORMER PAD
- TELEPHONE PEDESTAL
- CULVERT
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL (CANTILEVER)
- IRON PIN SET
- IRON PIN FOUND
- (R) RECORD MEASUREMENT
- (M) SURVEYED MEASUREMENT

N

0 100' 200' 300'
One Inch = One Hundred Feet

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****
All the improvements & facilities and utilities, above ground and underground shown herein were plotted from available information and do not necessarily reflect the actual existence, nonexistence, elevation, size, type, number or location of these or other improvements, facilities, or utilities.
The General Contractor and/or owner shall be responsible for verifying the actual location & elevation of all improvements, facilities, & utilities, shown or not shown, and said improvements, facilities, & utilities shall be located in the field prior to any grading, excavation or construction of any improvements.
****

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LAKE LAND COLLEGE ENTRANCE IMPROVEMENTS

EXISTING CONDITIONS

NO.	DATE	REVISION

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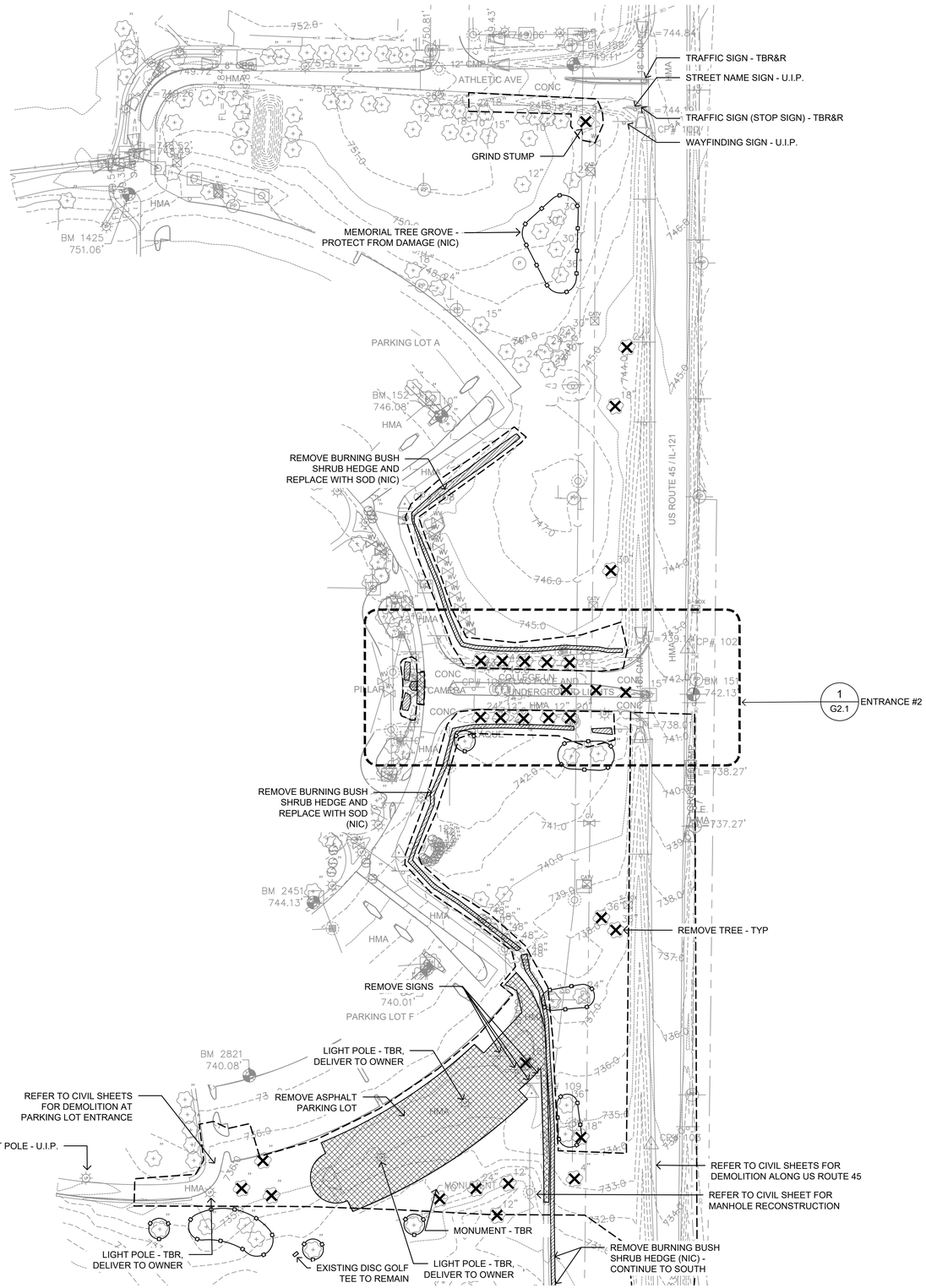
DATE: SEPTEMBER 16, 2025

DESIGNED: S. TALBERT
DRAWN: S. TALBERT
CHECKED: A. FRANKE

PDS PROJECT NO: J.2308

G1.0



DEMOLITION NOTES

1. CONTRACTOR TO VERIFY AND CONFIRM THE LOCATION OF ALL PROPERTY LINES AND UTILITY EASEMENTS PRIOR TO COMPLETING ANY WORK NEAR ADJACENT PROPERTIES OR IN ANY EASEMENT AREA.
2. CONTRACTOR TO INSTALL TREE PROTECTION FENCE. DO NOT STORE EQUIPMENT UNDERNEATH THE DRIP LINE OF THE TREES. LIMIT DRIVING CONSTRUCTION EQUIPMENT WITHIN THE DRIP LINE.
3. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THAT THERE MAY BE OTHER FACILITIES, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO CONFIRM LOCATIONS OF ALL EXISTING FEATURES BEFORE EXCAVATION OR TRENCHING TO AVOID DAMAGE THERETO.
4. ALL NECESSARY CARE SHALL BE TAKEN BY THE CONTRACTOR TO ENSURE THE SAFETY OF THE GENERAL PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND MAINTAINING SAFE AND EFFICIENT PROJECT LIMITS THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FOLLOW ALL FEDERAL, STATE AND LOCAL GUIDELINES WITH REGARDS TO CONSTRUCTION SAFETY THROUGHOUT THE ENTIRE DURATION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY BREACHES OF SAFETY OR DESTRUCTION OF PROPERTY RELATED TO THE CONSTRUCTION OF THIS PROJECT.
5. ALL ITEMS SHOWN TO BE REMOVED AND ALL DEMOLITION DEBRIS SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF OFFSITE ACCORDING TO ALL FEDERAL, STATE AND LOCAL REGULATIONS.
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7. CONSTRUCTION SIGNS, LIGHTS, AND BARRICADES SHALL BE INSTALLED AT LOCATIONS NECESSARY TO MAINTAIN A SAFE WORK ENVIRONMENT AS DIRECTED/APPROVED BY THE OWNER'S REPRESENTATIVE.
8. ALL DISTURBED AREAS SHALL BE SEEDED

DESCRIPTION	SYMBOL
EXISTING CONTOURS	– – – – –450– – – – –
REMOVE TREE	✕
REMOVE PAVEMENT & BASE MATERIAL	
REMOVE VEGETATION	
LIMITS OF DISTURBANCE	– – – – – – – – –
TREE PROTECTION FENCE (NIC)	–o–o–o–o–o–

0 100' 200' 300'
One Inch = One Hundred Feet

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LAKE LAND COLLEGE ENTRANCE IMPROVEMENTS

DEMOLITION PLAN

NO.	DATE	REVISION

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DESIGNED: S. TALBERT
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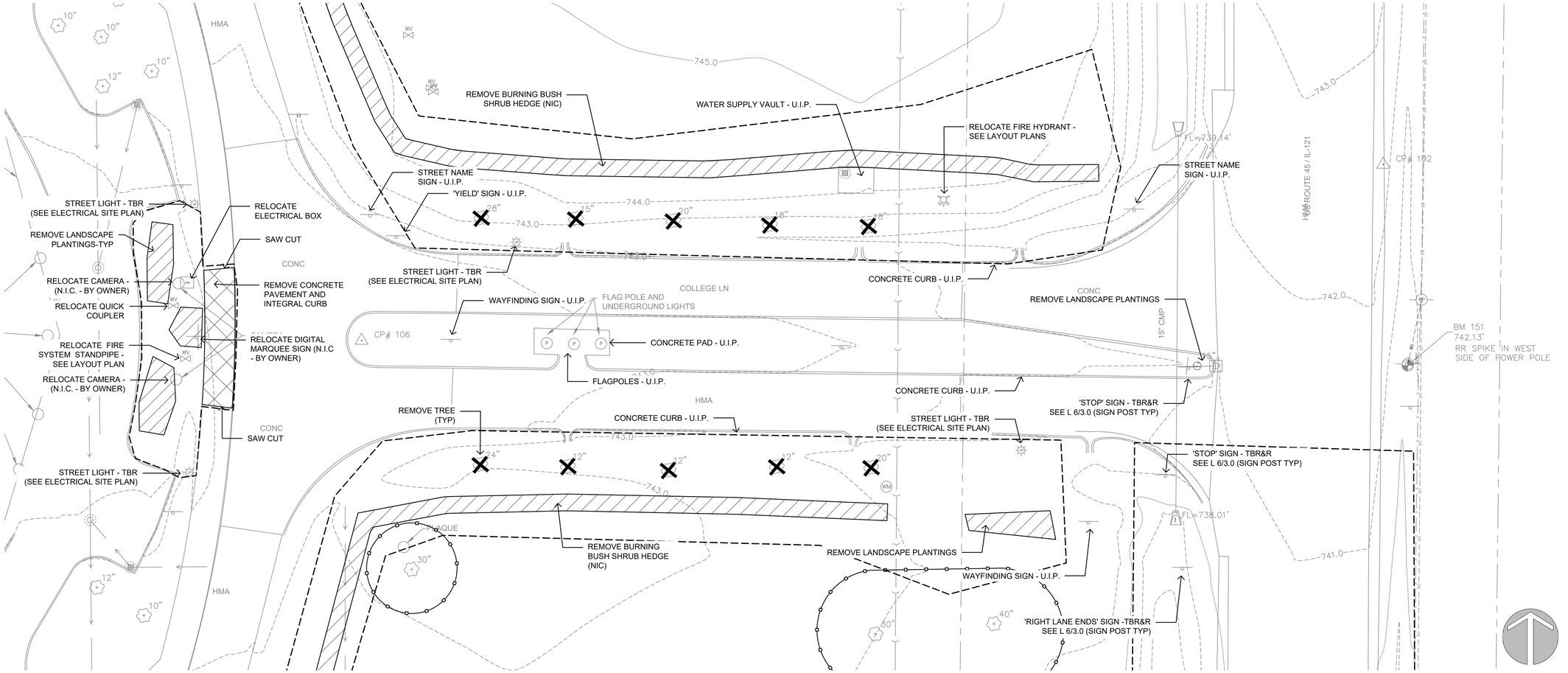
G2.0



1 G2.1 ENTRANCE #2 DEMOLITION PLAN
PLAN

1"=20'-0"

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8. ALL DISTURBED AREAS SHALL BE SEEDED

DESCRIPTION	SYMBOL
EXISTING CONTOURS	450
REMOVE TREE	×
REMOVE PAVEMENT & BASE MATERIAL	
REMOVE VEGETATION	
LIMITS OF DISTURBANCE	
TREE PROTECTION FENCE (NIC)	

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DEMOLITION PLAN & ENLARGEMENTS

NO.	DATE	REVISION

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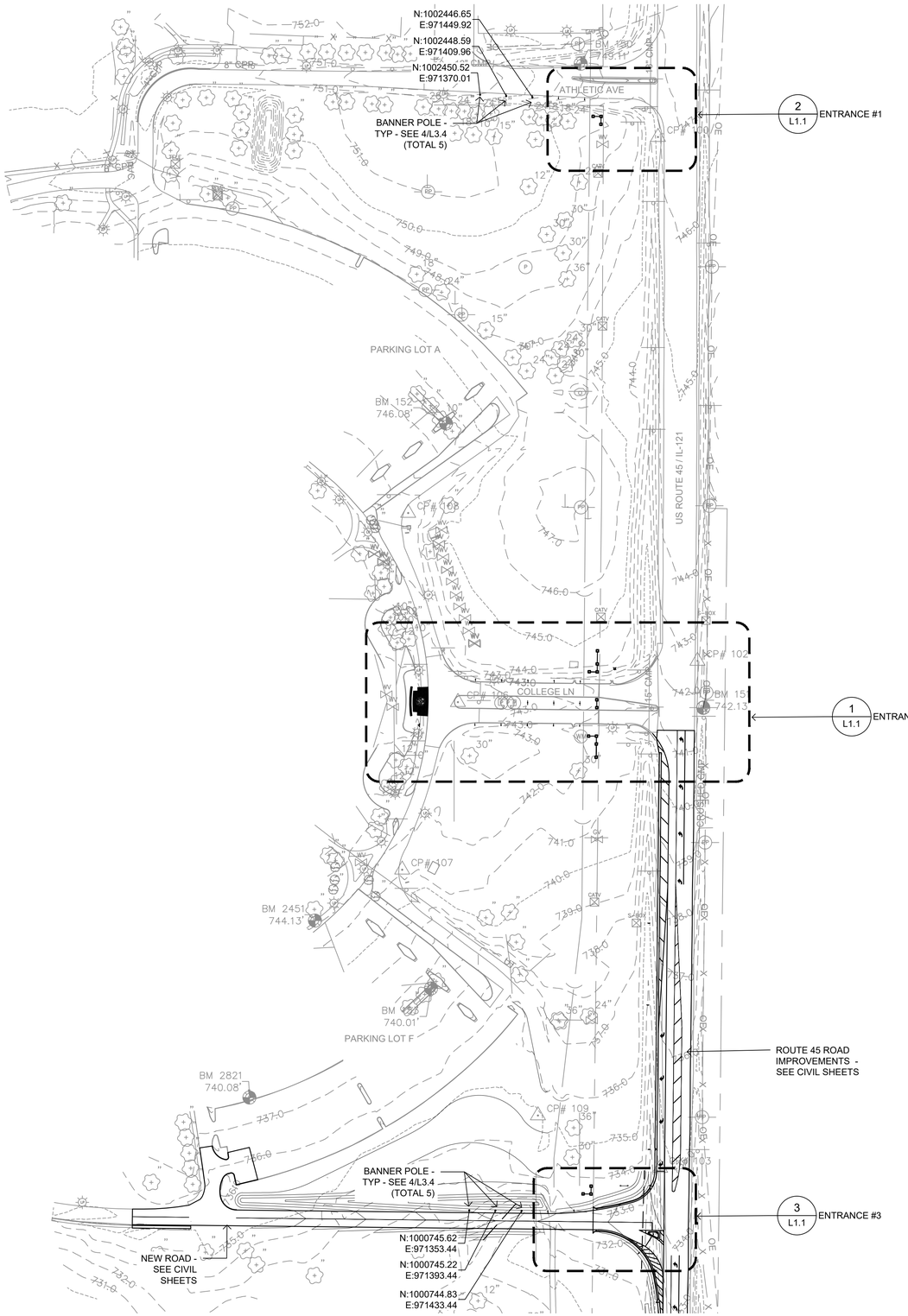

LAYOUT NOTES

1. VERIFY ALL DIMENSIONS AND JOB CONDITIONS AND REPORT, IN WRITING, ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH THE SATISFACTORY COMPLETION OF WORK.
2. COORDINATE POINTS ARE TO EDGE OF PAVEMENT/IMPROVEMENTS OR TO BACK OF CURBS/WALLS UNLESS NOTED OTHERWISE.
3. RADIUS MEASUREMENTS ARE TO EDGE OF PAVEMENT/IMPROVEMENTS OR TO BACK OF CURBS/WALLS UNLESS NOTED OTHERWISE.
4. ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES AS WELL AS APPLICABLE UTILITY PROVIDER REQUIREMENTS.
5. PROTECT ALL EXISTING VEGETATION SHOWN AS TO REMAIN PER THE CONTRACT DOCUMENTS.
6. ALL IMPROVEMENTS INCLUDING THOSE NOTED TO BE FIELD LOCATED SHALL BE STAKED IN THE FIELD AND APPROVED BY THE OWNERS REPRESENTATIVE PRIOR TO CONSTRUCTION.

GRADING NOTES

1. NO SLOPES SHALL EXCEED 3H:1V.
2. PROPOSED ELEVATIONS SHOWN ON PLAN ARE FINISH GRADE ELEVATIONS.
3. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS DURING COMPACTION OF BACKFILL MATERIALS OVER THE TOP OF STRUCTURES OR PIPES IN ORDER TO PREVENT ANY DAMAGE TO BELOW GRADE STRUCTURES.
4. CLEARING TECHNIQUES THAT RETAIN VEGETATION TO THE MAXIMUM EXTENT PRACTICAL SHALL BE USED, AND THE TIME PERIOD FOR DISTURBED AREAS TO BE WITHOUT VEGETATIVE COVER SHALL BE MINIMIZED TO THE EXTENT PRACTICAL. WHEN ANY GRADING OCCURS PRIOR TO FINAL GRADING, THE SITE SHALL AT ALL TIMES BE MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
5. ALL EXCESS EARTHWORK MATERIALS SHALL BE HAULED OFF-SITE AND DISPOSED OF IN A LEGAL MANNER.
6. PLAZAS SHALL MEET ADA STANDARDS FOR ACCESSIBILITY. CROSS SLOPE OF ACCESSIBLE PATH OF TRAVEL SHALL NOT EXCEED 2%.
7. 4 INCHES OF TOPSOIL SHALL BE PLACED OVER ALL DISTURBED AREAS AFTER FINAL SUBGRADING IS COMPLETE AND PRIOR TO INSTALLATION OF SOD.
8. REFER TO CIVIL SHEETS FOR ADDITIONAL GRADING LOCATIONS AND INFORMATION.

0 100' 200' 300'
One Inch = One Hundred Feet

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LAKE LAND COLLEGE ENTRANCE IMPROVEMENTS

SITE / GRADING PLAN

NO.	DATE	REVISION

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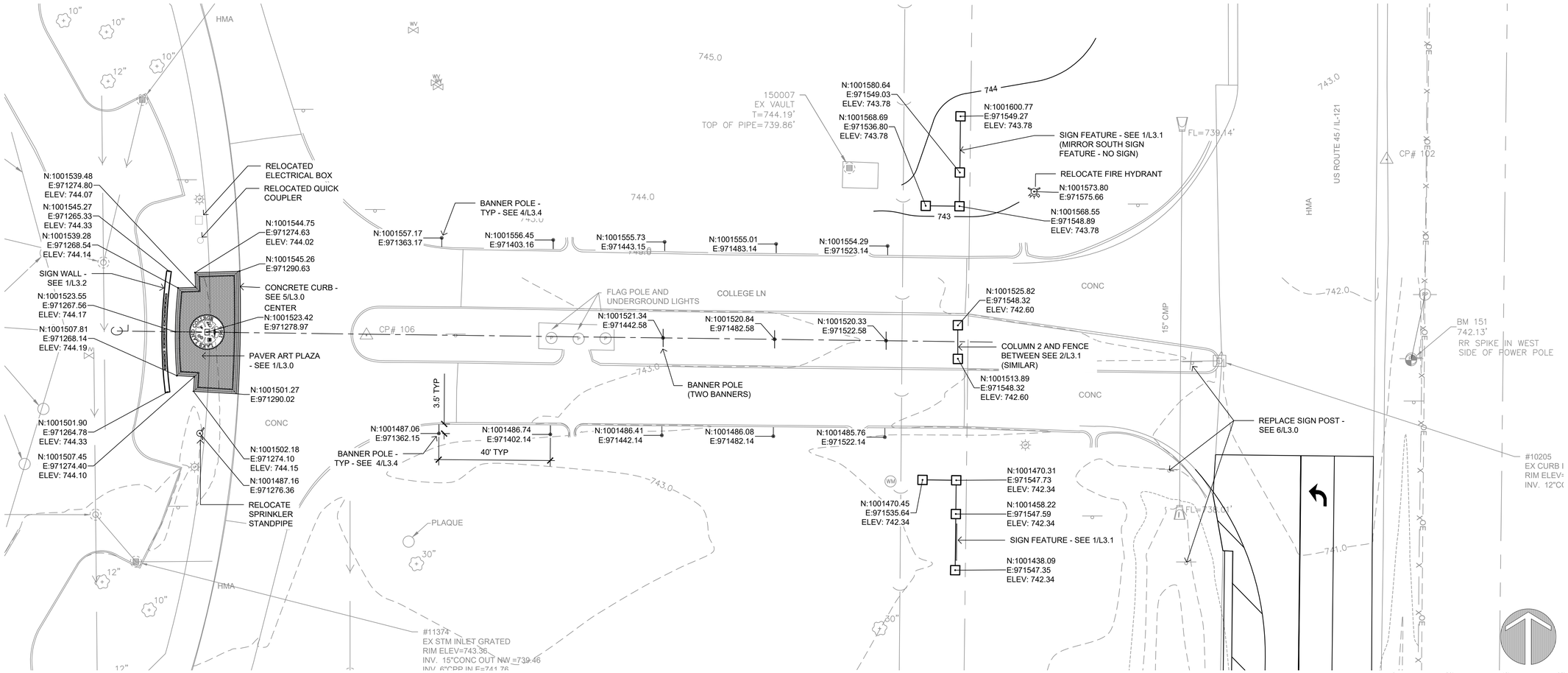
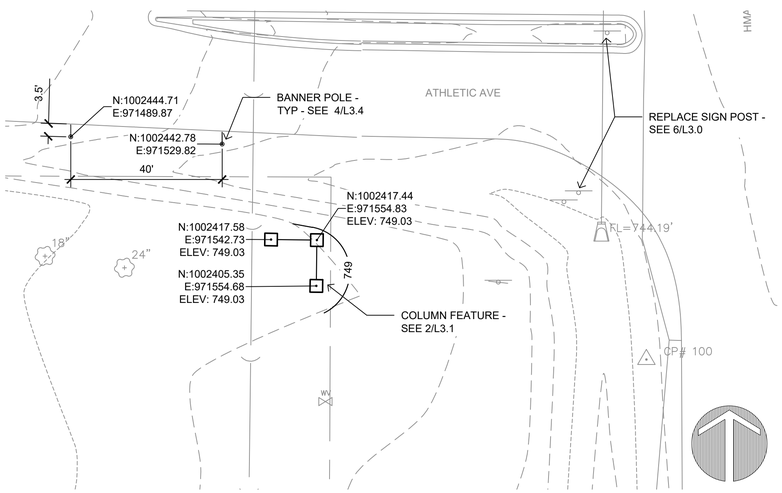


1 L1.1 ENTRANCE #2 SITE PLAN

PLAN

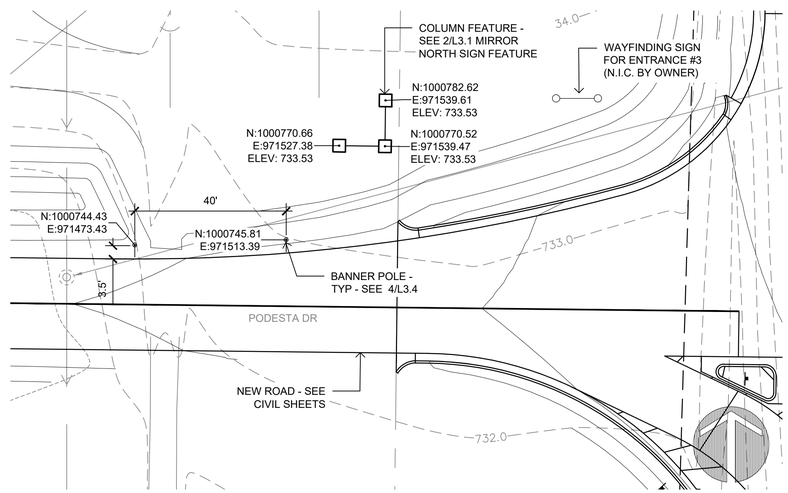
1"=20'-0"



2 L1.1 ENTRANCE #1 SITE PLAN

PLAN

1"=20'-0"



3 L1.1 ENTRANCE #3 SITE PLAN

PLAN

1"=20'-0"

LAYOUT NOTES

1"=20'-0"

1. VERIFY ALL DIMENSIONS AND JOB CONDITIONS AND REPORT, IN WRITING, ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH THE SATISFACTORY COMPLETION OF WORK.
2. COORDINATE POINTS ARE TO EDGE OF PAVEMENT/IMPROVEMENTS OR TO BACK OF CURBS/WALLS UNLESS NOTED OTHERWISE.
3. RADIUS MEASUREMENTS ARE TO EDGE OF PAVEMENT/IMPROVEMENTS OR TO BACK OF CURBS/WALLS UNLESS NOTED OTHERWISE.
4. ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES AS WELL AS APPLICABLE UTILITY PROVIDER REQUIREMENTS.
5. PROTECT ALL EXISTING VEGETATION SHOWN AS TO REMAIN PER THE CONTRACT DOCUMENTS.
6. ALL IMPROVEMENTS INCLUDING THOSE NOTED TO BE FIELD LOCATED SHALL BE STAKED IN THE FIELD AND APPROVED BY THE OWNERS REPRESENTATIVE PRIOR TO CONSTRUCTION.

GRADING NOTES

1. NO SLOPES SHALL EXCEED 3H:1V.
2. PROPOSED ELEVATIONS SHOWN ON PLAN ARE FINISH GRADE ELEVATIONS.
3. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS DURING COMPACTION OF BACKFILL MATERIALS OVER THE TOP OF STRUCTURES OR PIPES IN ORDER TO PREVENT ANY DAMAGE TO BELOW GRADE STRUCTURES.
4. CLEARING TECHNIQUES THAT RETAIN VEGETATION TO THE MAXIMUM EXTENT PRACTICAL SHALL BE USED, AND THE TIME PERIOD FOR DISTURBED AREAS TO BE WITHOUT VEGETATIVE COVER SHALL BE MINIMIZED TO THE EXTENT PRACTICAL. WHEN ANY GRADING OCCURS PRIOR TO FINAL GRADING, THE SITE SHALL AT ALL TIMES BE MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
5. ALL EXCESS EARTHWORK MATERIALS SHALL BE HAULED OFF-SITE AND DISPOSED OF IN A LEGAL MANNER.
6. PLAZAS SHALL MEET ADA STANDARDS FOR ACCESSIBILITY. CROSS SLOPE OF ACCESSIBLE PATH OF TRAVEL SHALL NOT EXCEED 2%.
7. 4 INCHES OF TOPSOIL SHALL BE PLACED OVER ALL DISTURBED AREAS AFTER FINAL SUBGRADING IS COMPLETE AND PRIOR TO INSTALLATION OF SOD.
8. REFER TO CIVIL SHEETS FOR ADDITIONAL GRADING LOCATIONS AND INFORMATION.

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3701 S. Lindberg, Suite 204
St. Louis, Missouri 63127
314-725-5889

REGISTERED LANDSCAPE ARCHITECT L. ANDREW FRANKE 157.001486 STATE OF ILLINOIS

NAME: L. ANDREW FRANKE
DISCIPLINE: LANDSCAPE ARCHITECT
ILLINOIS LICENSE NO: 157.001486
EXPIRATION DATE: AUGUST 31, 2027

LAKE LAND COLLEGE ENTRANCE IMPROVEMENTS

SITE / GRADING PLAN ENLARGEMENTS

NO.	DATE	REVISION

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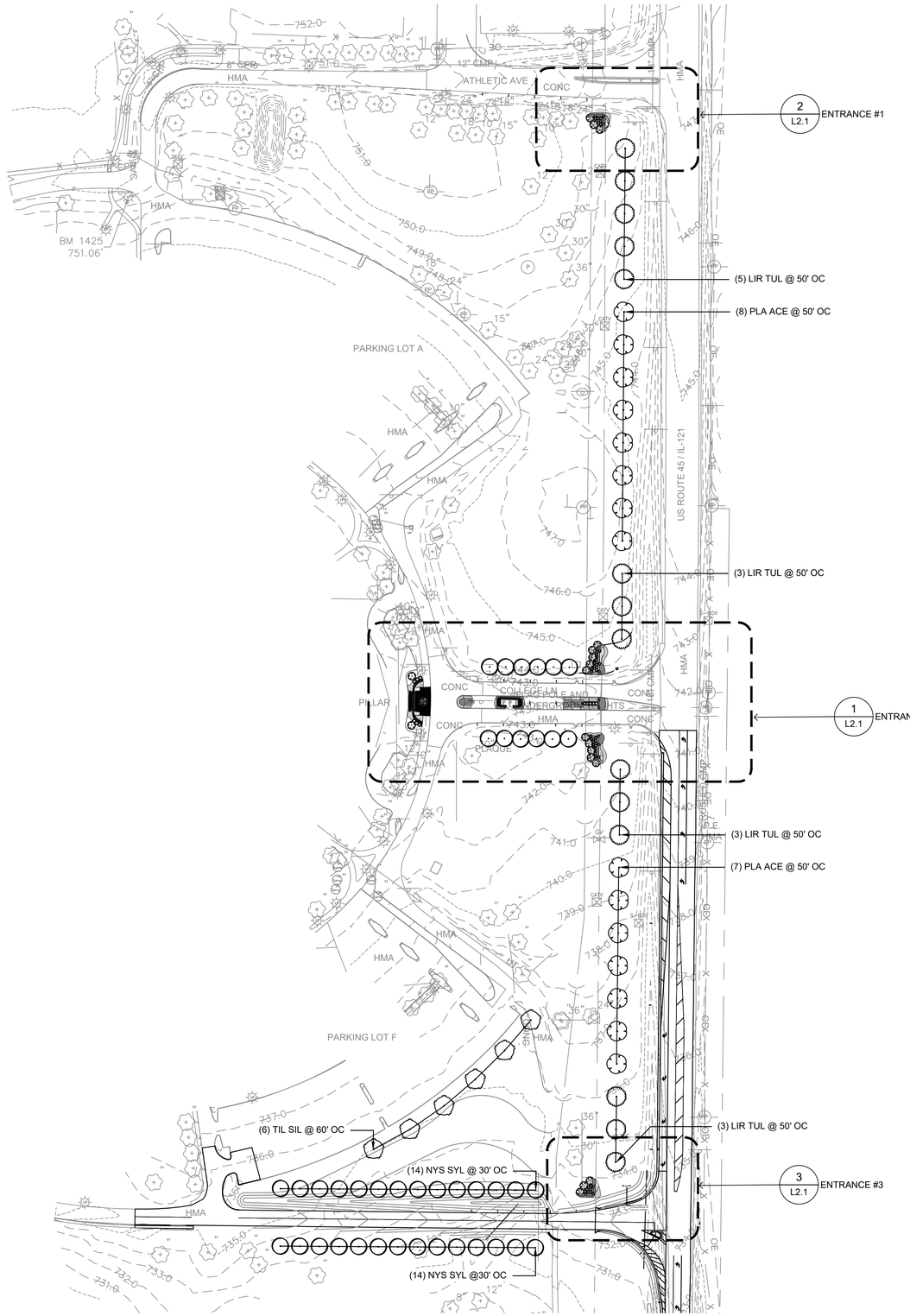
DATE: SEPTEMBER 16, 2025

DESIGNED: S. TALBERT
DRAWN: S. TALBERT
CHECKED: A. FRANKE

PDS PROJECT NO: J.2308

L1.1



0 100' 200' 300'

One Inch = One Hundred Feet

LANDSCAPE NOTES

1. REFER TO DEMOLITION PLAN FOR REMOVAL OF EXISTING VEGETATION.
2. UNLESS OTHERWISE NOTED, ALL NATURAL VEGETATION SHALL BE MAINTAINED WHERE IT DOES NOT INTERFERE WITH CONSTRUCTION. PROTECT EXISTING UTILITIES, STRUCTURES OR VEGETATION FROM DAMAGE. CONTRACTOR SHALL MAINTAIN AND SECURE THE PROJECT SITE TO PROTECT THE PUBLIC FROM INJURY DUE TO WORK AND RELATED MATERIAL.
3. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS NOT PRESENTLY KNOWN OR SHOWN. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE AND VERIFY THE EXISTENCE OF AND EXACT LOCATION OF ALL UTILITIES.
4. LANDSCAPE CONTRACTOR IS ADVISED TO STUDY THE PLANS AND VISIT THE SITE TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE OWNER'S REPRESENTATIVE.
5. LANDSCAPE CONTRACTOR SHALL STAKE THE LOCATIONS OF ALL PROPOSED PLANT MATERIAL AND PLANTING BED EDGES FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
6. ALL PLANT MATERIAL SHALL BE WARRANTED FOR A PERIOD OF 12 MONTHS AFTER ACCEPTANCE BY OWNER.
7. CONTRACTOR SHALL STAKE AND BRACE TREES IMMEDIATELY FOLLOWING INSTALLATION ACCORDING TO PLANS, DETAILS, AND SPECIFICATIONS.
8. ALL PLANTING BED EDGES SHALL BE SPADE CUT UNLESS OTHERWISE INDICATED.
9. CONTRACTOR TO SOD ALL AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITIES.
10. ALL PLANT MATERIAL SHALL BE TAGGED OR OTHERWISE APPROVED BY THE OWNER'S REPRESENTATIVE. APPROVAL IN THE NURSERY DOES NOT INDICATE FINAL ACCEPTANCE.
11. ITEMS SHOWN ON THESE DRAWINGS TAKE PRECEDENCE OVER THE MATERIAL LIST. LANDSCAPE CONTRACTOR SHALL VERIFY ALL QUANTITIES AND CONDITIONS PRIOR TO BIDDING AND IMPLEMENTATION OF THE PLAN. NO SUBSTITUTIONS OF TYPES OR SIZE OF PLANT MATERIAL WILL BE ACCEPTED WITHOUT WRITTEN APPROVAL BY OWNER'S REPRESENTATIVE.
12. ALL PLANT MATERIAL SHALL CONFORM TO UPPER RANGE LIMITS FOR CALIPER, HEIGHT AND ROOT BALL DIMENSIONS LISTED IN ANSI Z60.1-2014.
13. INSTALL (1) 20 GALLON SLOW RELEASE TREE WATERING BAG FOR EACH TREE.

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME
TREES		
	CHI VIR	Chionanthus virginicus / White Fringetree
	LIR TUL	Liriodendron tulipifera / Tulip Poplar
	NYS SYL	Nyssa sylvatica / Tupelo
	PLA ACE	Platanus x acerifolia / London Plane Tree
	THU SMA	Thuja occidentalis 'Smaragd' / Emerald Green Arborvitae
	TIL SIL	Tilia tomentosa / Silver Linden
SHRUBS		
	Cor fa4	Cornus sericea 'Farrow' / Arctic Fire® Red Twig Dogwood
	Hyd que	Hydrangea quercifolia / Oakleaf Hydrangea
	Ile ink	Ilex glabra 'Compacta' / Compact Inkberry
	Ite vir	Itea virginica 'Henry's Garnet' / Henry's Garnet Sweetspire
	Tax de2	Taxus cuspidata 'Densiformis' / Dense Japanese Yew
SYMBOL	CODE	BOTANICAL / COMMON NAME
GROUND COVERS		
	Bou blo	Bouteloua gracilis 'Blonde Ambition' / Blonde Ambition Blue Grama
	Dia xel	Dianthus x 'Electric Red' / Electric Red Dianthus
	Ech fi4	Echinacea x 'Firebird' / Firebird Coneflower
	Gai asn	Gaillardia x 'Arizona Sun' / Arizona Sun Blanket Flower
	Heu cnl	Heuchera x 'Citronelle' / Citronelle Yellow Coral Bells
	Leu xda	Leucanthemum x superbum 'Kiemar' / Darling Daisy® Shasta Daisy
	Lir big	Liriope muscari 'Big Blue' / Big Blue Lilyturf
	Sor iud	Sorghastrum nutans 'MNYG318153' / Golden Sunset® Indian Grass
	Spo seo	Sporobolus heterolepis 'Morning Mist' / Morning Mist Prairie Dropseed

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REGISTERED LANDSCAPE ARCHITECT
LAMBERT ANDREW FRANKE
157.001486
STATE OF ILLINOIS
EXPIRES 11/30/2027

NAME: L. ANDREW FRANKE
DISCIPLINE: LANDSCAPE ARCHITECT
ILLINOIS LICENSE NO: 157.001486
EXPIRATION DATE: AUGUST 31, 2027

LAKE LAND COLLEGE ENTRANCE IMPROVEMENTS

LANDSCAPE PLAN

NO.	DATE	REVISION

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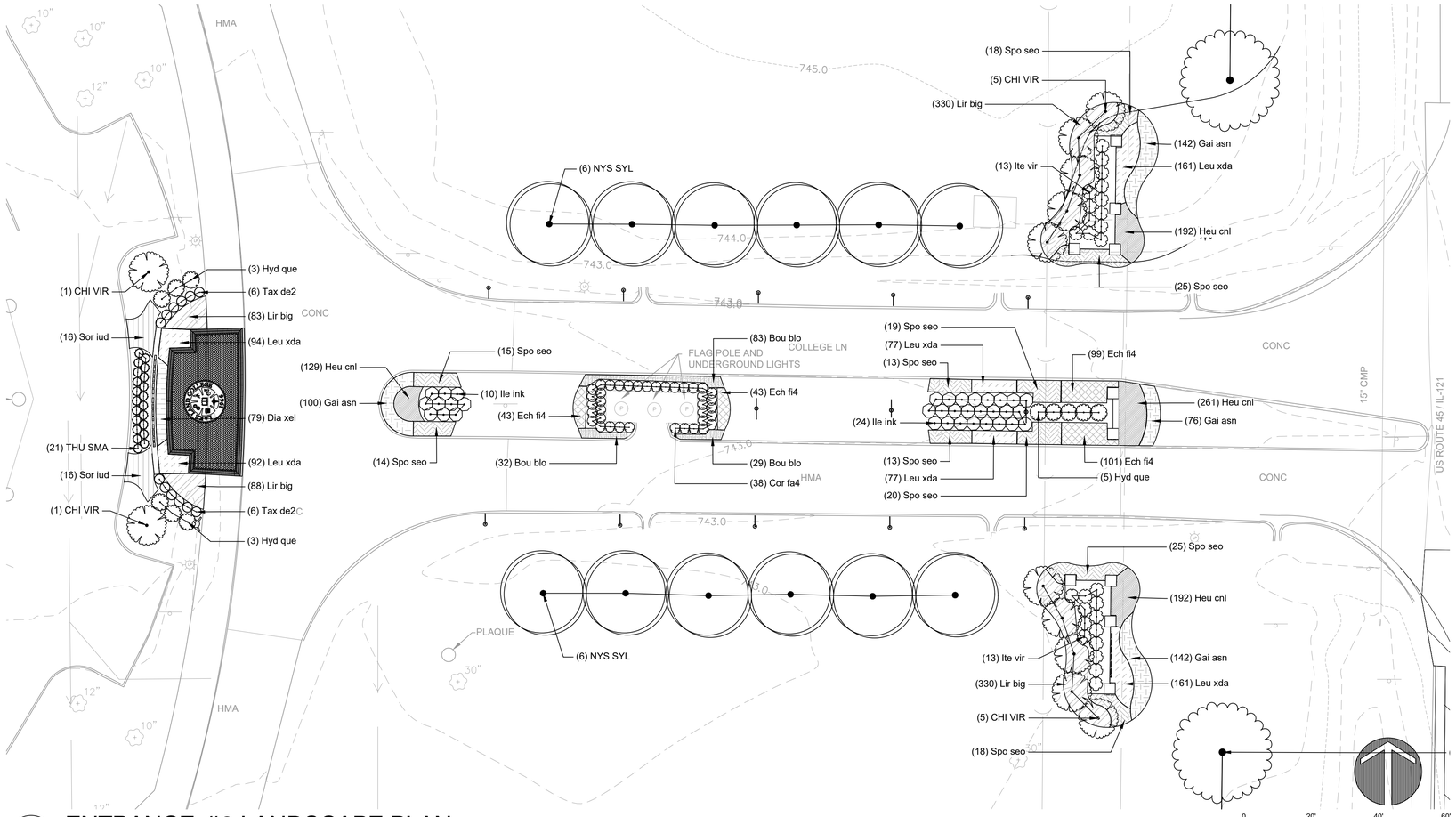
DATE: SEPTEMBER 16, 2025

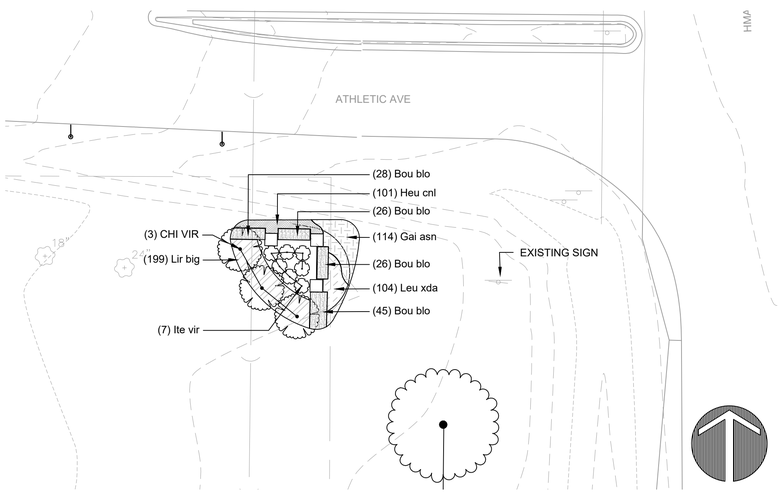
DESIGNED: S. TALBERT
DRAWN: S. TALBERT
CHECKED: A. FRANKE

PDS PROJECT NO: J.2308

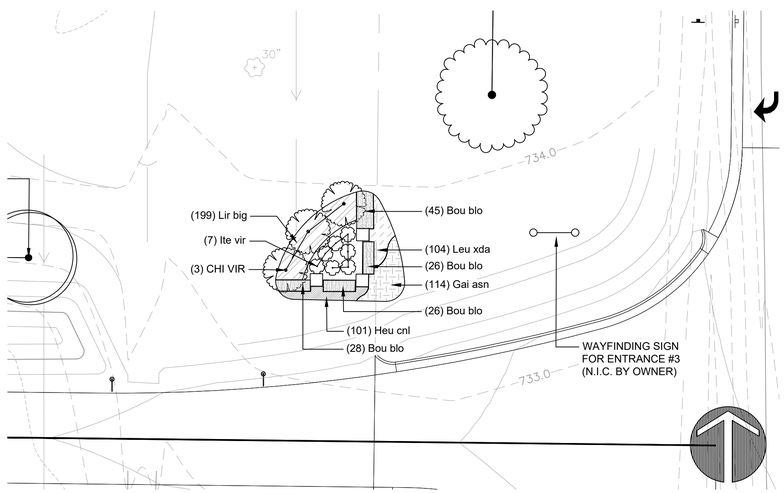
L2.0



1 L1.1 **ENTRANCE #2 LANDSCAPE PLAN**
PLAN
1"=20'-0"



2 L1.1 **ENTRANCE #1 LANDSCAPE PLAN**
PLAN
1"=20'-0"



3 L1.1 **ENTRANCE #3 LANDSCAPE PLAN**
PLAN
1"=20'-0"

LANDSCAPE NOTES

1. REFER TO DEMOLITION PLAN FOR REMOVAL OF EXISTING VEGETATION.
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PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME
TREES		
	CHI VIR	Chionanthus virginicus / White Fringetree
	LIR TUL	Liriodendron tulipifera / Tulip Poplar
	NYS SYL	Nyssa sylvatica / Tupelo
	PLA ACE	Platanus x acerifolia / London Plane Tree
	THU SMA	Thuja occidentalis 'Smaragd' / Emerald Green Arborvitae
	TIL SIL	Tilia tomentosa / Silver Linden
SHRUBS		
	Cor fa4	Cornus sericea 'Farrow' / Arctic Fire® Red Twig Dogwood
	Hyd que	Hydrangea quercifolia / Oakleaf Hydrangea
	Ile ink	Ilex glabra 'Compacta' / Compact Inkberry
	Ite vir	Itea virginica 'Henry's Garnet' / Henry's Garnet Sweetspire
	Tax de2	Taxus cuspidata 'Densiformis' / Dense Japanese Yew
SYMBOL	CODE	BOTANICAL / COMMON NAME
GROUND COVERS		
	Bou blo	Bouteloua gracilis 'Blonde Ambition' / Blonde Ambition Blue Grama
	Dia xel	Dianthus x 'Electric Red' / Electric Red Dianthus
	Ech fi4	Echinacea x 'Firebird' / Firebird Coneflower
	Gai asn	Gaillardia x 'Arizona Sun' / Arizona Sun Blanket Flower
	Heu cnl	Heuchera x 'Citronelle' / Citronelle Yellow Coral Bells
	Leu xda	Leucanthemum x superbum 'Kiemar' / Darling Daisy® Shasta Daisy
	Lir big	Liriope muscari 'Big Blue' / Big Blue Lilyturf
	Sor iud	Sorghastrum nutans 'MNYG318153' / Golden Sunset® Indian Grass
	Spo seo	Sporobolus heterolepis 'Morning Mist' / Morning Mist Prairie Dropseed

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REGISTERED LANDSCAPE ARCHITECT
LAMBERT ANDREW FRANKE
LICENSE NO. 001486
STATE OF ILLINOIS

NAME: L. ANDREW FRANKE
DISCIPLINE: LANDSCAPE ARCHITECT
ILLINOIS LICENSE NO: 157.001486
EXPIRATION DATE: AUGUST 31, 2027

LAKE LAND COLLEGE ENTRANCE IMPROVEMENTS

LANDSCAPE PLAN ENLARGEMENTS

NO.	DATE	REVISION

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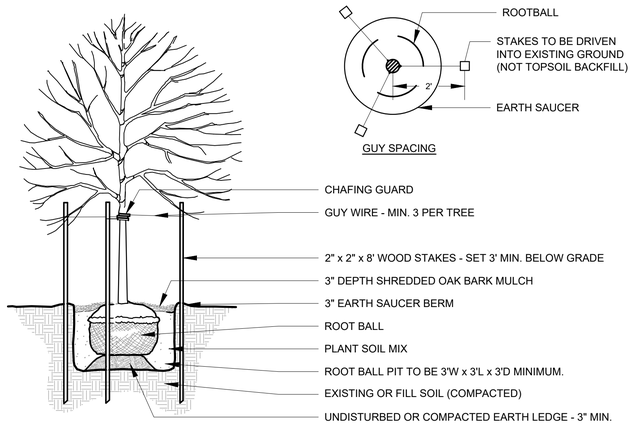
DATE: SEPTEMBER 16, 2025

DESIGNED: S. TALBERT
DRAWN: S. TALBERT
CHECKED: A. FRANKE

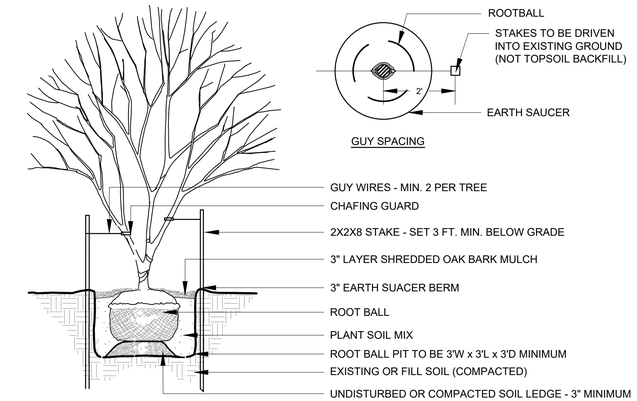
PDS PROJECT NO: J.2308

L2.1



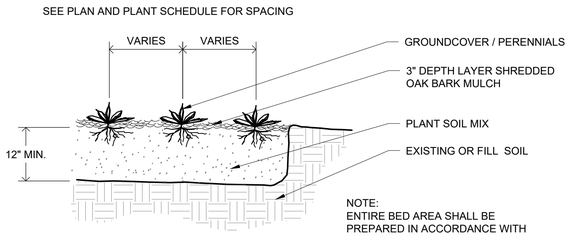
1 L2.2 CANOPY TREE PLANTING

SECTION NTS



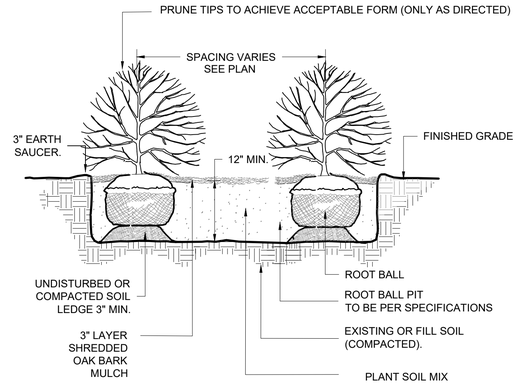
2 L2.2 ORNAMENTAL TREE PLANTING

SECTION NTS



3 L2.2 PERENNIAL PLANTING

SECTION NTS

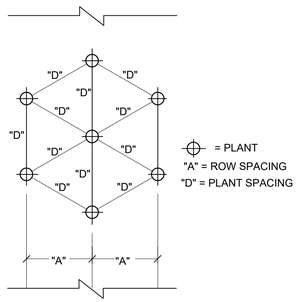


4 L2.2 DECIDUOUS SHRUB PLANTING

SECTION NTS

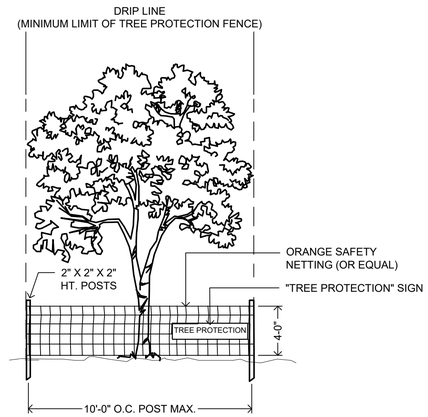
FOR USE WITH ALL PLANT TYPES SPACED EQUIDISTANTLY

SPACING "D"	ROW "A"	NO. OF PLANTS	AREA UNIT
10" O.C.	8.66"	1.66	1 sq. ft.
12" O.C.	10.4"	1.15	
15" O.C.	13.0"	7.38	10 sq. ft.
18" O.C.	15.6"	5.12	
24" O.C.	20.8"	2.9	
30" O.C.	26.0"	1.85	
36" O.C.	30.0"	1.28	
4' O.C.	3.4'	4.61	100 sq. ft.
6' O.C.	5.2'	3.2	
8' O.C.	6.93'	1.8	
10' O.C.	8.66'	1.16	



5 L2.2 PLANT SPACING

SECTION NTS



6 L2.2 TREE PROTECTION DETAIL

SECTION NTS

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER		QTY
TREES						
	CHI VIR	Chionanthus virginicus / White Fringetree	2" Cal.	B&B		18
	LIR TUL	Liriodendron tulipifera / Tulip Poplar	2" Cal.	B&B		14
	NYS SYL	Nyssa sylvatica / Tupelo	2" Cal.	B&B		40
	PLA ACE	Platanus x acerifolia / London Plane Tree	2" Cal.	B&B		15
	THU SMA	Thuja occidentalis 'Smaragd' / Emerald Green Arborvitae	6` Ht.	B&B		21
	TIL SIL	Tilia tomentosa / Silver Linden	2" Cal.	B&B		6
SHRUBS						
	Cor fa4	Cornus sericea 'Farrow' / Arctic Fire® Red Twig Dogwood	3 gal.	Pot		38
	Hyd que	Hydrangea quercifolia / Oakleaf Hydrangea	3 gal.	Pot		11
	Ile ink	Ilex glabra 'Compacta' / Compact Inkberry	3 gal.	Pot		34
	Ite vir	Itea virginica 'Henry's Garnet' / Henry's Garnet Sweetspire	3 gal.	Pot		40
	Tax de2	Taxus cuspidata 'Densiformis' / Dense Japanese Yew	3 gal.	Pot		12
SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	SPACING	QTY
GROUND COVERS						
	Bou blo	Bouteloua gracilis 'Blonde Ambition' / Blonde Ambition Blue Grama	1 gal.	Pot	12" o.c.	394
	Dia xel	Dianthus x 'Electric Red' / Electric Red Dianthus	Quart	Pot	12" o.c.	79
	Ech fi4	Echinacea x 'Firebird' / Firebird Coneflower	Quart	Pot	12" o.c.	286
	Gai asn	Gaillardia x 'Arizona Sun' / Arizona Sun Blanket Flower	Quart	Pot	12" o.c.	688
	Heu cnl	Heuchera x 'Citronelle' / Citronelle Yellow Coral Bells	Quart	Pot	9" o.c.	976
	Leu xda	Leucanthemum x superbum 'Kiemar' / Darling Daisy® Shasta Daisy	Quart	Pot	10" o.c.	870
	Lir big	Liriope muscari 'Big Blue' / Big Blue Lilyturf	Quart	Pot	12" o.c.	1,229
	Sor iud	Sorghastrum nutans 'MNYG318153' / Golden Sunset® Indian Grass	1 gal.	Pot	30" o.c.	32
	Spo seo	Sporobolus heterolepis 'Morning Mist' / Morning Mist Prairie Dropseed	1 gal.	Pot	24" o.c.	180

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EXPIRATION DATE: 8/31/2027

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DISCIPLINE: LANDSCAPE ARCHITECT
ILLINOIS LICENSE NO: 157.001486
EXPIRATION DATE: AUGUST 31, 2027

LAKE LAND COLLEGE
ENTRANCE IMPROVEMENTS

LANDSCAPE SCHEDULE AND DETAILS

NO.	DATE	REVISION

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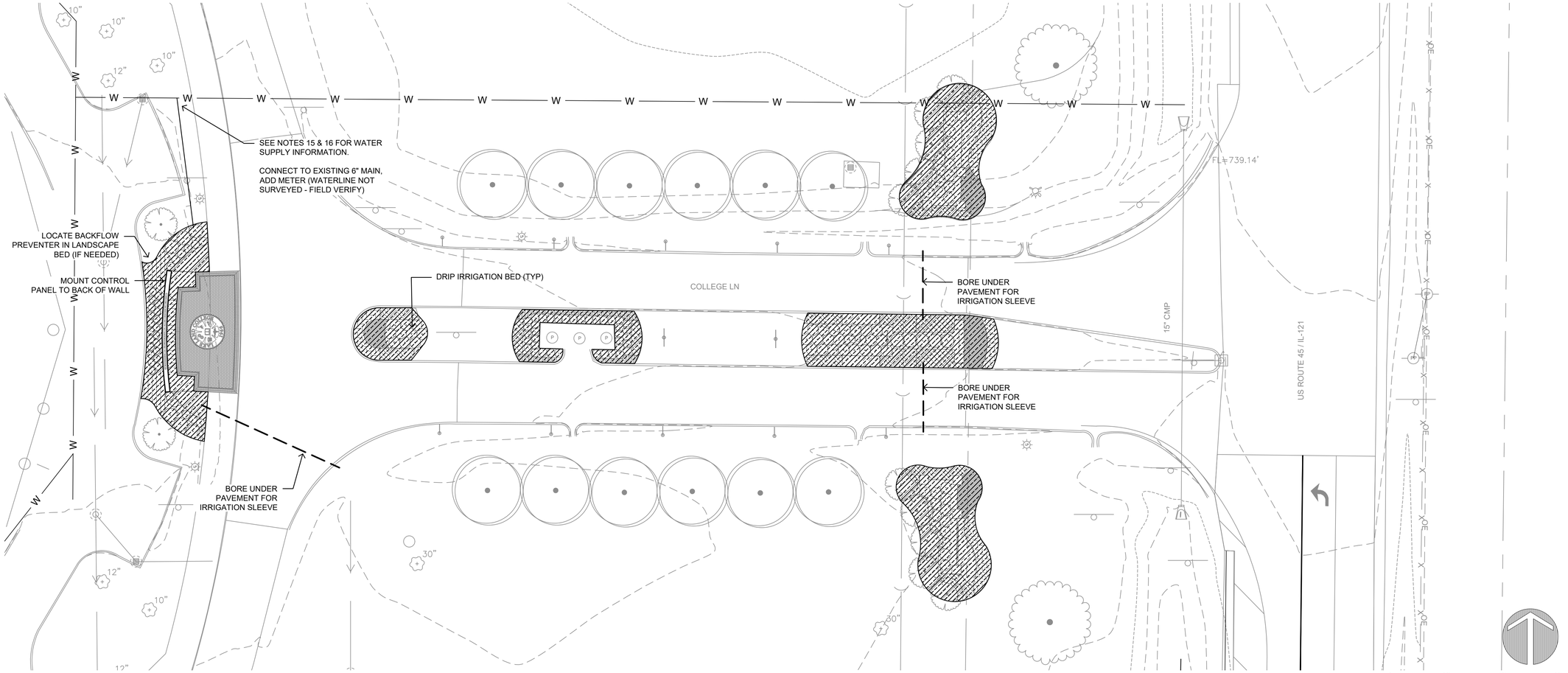
DATE: SEPTEMBER 16, 2025

DESIGNED: S. TALBERT
DRAWN: S. TALBERT
CHECKED: A. FRANKE

PDS PROJECT NO: J.2308

L2.2



1 L2.3 IRRIGATION PLAN (ALTERNATE BID)
PLAN

1"=20'-0"

IRRIGATION NOTES:

1. IRRIGATION PLAN IS SCHEMATIC ONLY. THE CONTRACTOR IS TO UTILIZE THIS SCHEMATIC PLAN AS THE BASIS OF DESIGN. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIRED COMPONENTS.
2. BOUNDARIES AND AREAS DEFINED IN THIS PLAN ARE SCHEMATIC ONLY. CONTRACTOR IS TO VERIFY IN THE FIELD ACTUAL LOCATIONS OF THE AREAS TO BE IRRIGATED FOR SHAPE, SIZE, AND IRRIGATION METHOD.
3. THE IRRIGATION CONTRACTOR SHALL PROVIDE COMPLETE DESIGN AND INSTALLATION FOR THE IRRIGATION SYSTEM. AT A MINIMUM, THE SYSTEM SHALL INCLUDE: DRIP LINE IRRIGATION, A CONTROLLER, MAIN LINE AND LATERAL LINE PIPING, RAIN SENSOR, FLOW SENSOR, QUICK COUPLER VALVES, MASTER VALVE AND ISOLATION VALVES.
4. CONTRACTOR SHALL INSTALL SYSTEM PER LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
5. CONTRACTOR SHALL PROVIDE PRESSURE LOSS CALCULATIONS FOR THE LARGEST AND MOST REMOTE ZONE.
6. COORDINATE WITH THE LANDSCAPE CONTRACTOR FOR BED LOCATIONS AND PLANT MATERIAL WATER REQUIREMENTS.
7. ALL MAINLINE AND LATERAL LINE PIPING AND CONTROL WIRES UNDER PAVING SHALL BE INSTALLED IN SLEEVES. MAIN AND LATERAL LINE SLEEVES SHALL BE A MINIMUM OF TWICE THE DIAMETER OF THE PIPE WITHIN. CONTROL WIRE MAY BE INSTALLED IN THE SAME SLEEVES AS MAINLINE.
8. ALL DAMAGED AN REJECTED PIPE WILL BE REMOVED FROM THE SITE AT THE TIME OF REJECTION.
9. FINAL LOCATION OF THE AUTOMATIC CONTROLLER AND RAIN SENSOR WILL BE APPROVED BY THE LANDSCAPE ARCHITECT.
10. THE IRRIGATION CONTRACTOR WILL FLUSH AND ADJUST ALL SPRINKLER HEADS AND VALVES FOR OPTIMUM OPERATION WITH MINIMAL OVERSPRAY ONTO WALKS, STREETS, WALLS, ETC.
11. ALL PIPING, VALVES, ETC. WILL BE INSTALLED IN PLANTING AREAS / SHRUB BEDS WHEREVER POSSIBLE.
12. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO BECOME FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING, WALLS, STRUCTURES AND UTILITIES. THE IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY INSTALLATION OPERATIONS.
13. THE IRRIGATION CONTRACTOR SHALL COORDINATE THE IRRIGATION WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS AND PAVING, ETC.
14. WATER FOR THE IRRIGATION SYSTEM SHALL BE PROVIDED FROM THE LOCATION SHOWN ON THE DRAWINGS.
15. NO WATER FLOW OR PRESSURE INFORMATION HAS BEEN PROVIDED BY THE OWNER. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE AND AVAILABLE FLOW PRIOR TO INSTALLATION.
16. AN EXISTING IRRIGATION SYSTEM MAY HAVE BEEN ABANDONED IN PLACE ON SITE. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ANY EXISTING WATER SERVICE OR POINT OF CONNECTION ASSOCIATED WITH THE ABANDONED SYSTEM AND DETERMINING IF IT IS VIABLE FOR REUSE. IF AN EXISTING CONNECTION IS FOUND TO BE SERVICEABLE AND MEETS DESIGN ASSUMPTIONS, IT MAY BE REUSED WITH APPROVAL FROM THE OWNER'S REPRESENTATIVE. IF NO VIABLE EXISTING CONNECTION IS FOUND, THE IRRIGATION CONTRACTOR SHALL CREATE A NEW WATER TAP AT THE LOCATION SHOWN ON THE DRAWINGS, INCLUDING ALL TAPPING, VALVES, BACKFLOW PREVENTION, AND APPURTENANCES NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
17. ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED WILL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
18. THE CONTRACTOR SHALL PROVIDE PRESSURE, COMPENSATING DEVICES (ON SPRAY HEADS) AS NECESSARY TO REDUCE OR ELIMINATE OVERSPRAY ONTO STREETS, WALKS, OR OTHER AREAS AS DIRECTED BY THE LANDSCAPE ARCHITECT.
19. ALL REMOTE CONTROL VALVES, GATE VALVES, QUICK COUPLERS AND CONTROL WIRE PULL POINTS SHALL BE INSTALLED IN APPROVED VALVE BOXES.
20. QUICK COUPLER VALVES SHALL BE LOCATED AND INSTALLED AS INDICATED ON THE DRAWINGS AND DETAILS.
21. ALL CONTROL VALVES, EXCEPT MASTER VALVE, WILL BE INSTALLED WITH A PRESSURE REGULATING MODULE, (0-100 PSI RANGE).
22. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILED INFORMATION.

LEGEND	
SYMBOL	
	DRIP IRRIGATION AREA

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REGISTERED LANDSCAPE ARCHITECT
LAMBERT ANDREW FRANKE
No. 001486
STATE OF ILLINOIS

NAME: L. ANDREW FRANKE
DISCIPLINE: LANDSCAPE ARCHITECT
ILLINOIS LICENSE NO: 157.001486
EXPIRATION DATE: AUGUST 31, 2027

LAKE LAND COLLEGE ENTRANCE IMPROVEMENTS

IRRIGATION PLAN (ALTERNATE BID)

NO.	DATE	REVISION

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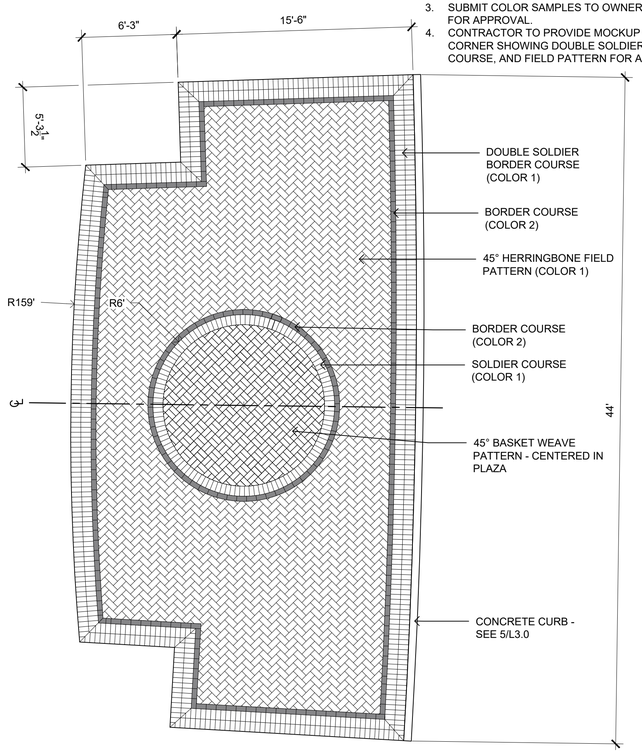
DATE: SEPTEMBER 16, 2025

DESIGNED: S. TALBERT
DRAWN: S. TALBERT
CHECKED: A. FRANKE

PDS PROJECT NO: J.2308

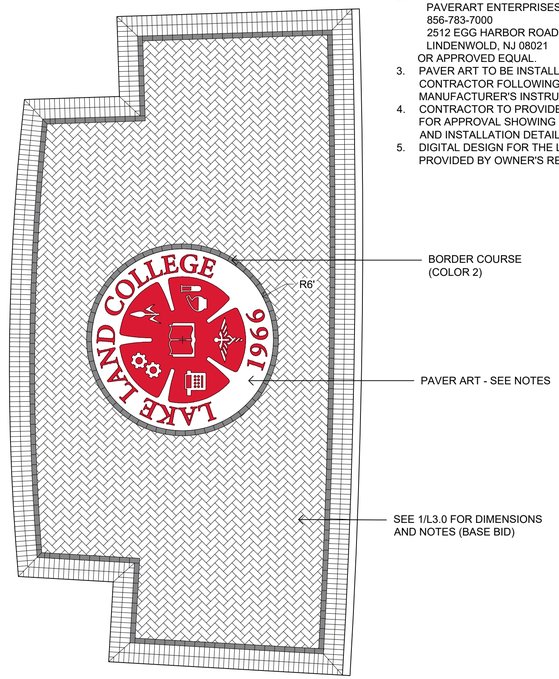
L2.3

NOTES:
1. PAVERS SHALL BE HOLLAND PREMIER BY UNILOCK OR APPROVED EQUAL.
2. COLORS AND FINISH TO BE SELECTED FROM MANUFACTURER'S STANDARD OPTIONS.
3. SUBMIT COLOR SAMPLES TO OWNER'S REPRESENTATIVE FOR APPROVAL.
4. CONTRACTOR TO PROVIDE MOCKUP OF A TYPICAL CORNER SHOWING DOUBLE SOLDIER COURSE, BORDER COURSE, AND FIELD PATTERN FOR APPROVAL.



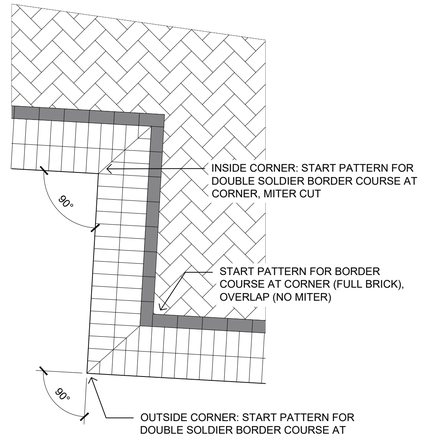
1 L3.0 **SIGN PLAZA (BASE BID)**
PLAN
0 5' 10' 15'
1"=5'-0"

NOTES:
1. ALTERNATE BID #1 SHALL INCLUDE ONLY THE PAVER ART CIRCLE.
2. PAVER ART SHALL BE PROVIDED BY:
   PAVERART ENTERPRISES
   856-783-7000
   2512 EGG HARBOR ROAD, UNIT C
   LINDENWOLD, NJ 08021
   OR APPROVED EQUAL.
3. PAVER ART TO BE INSTALLED BY THE CONTRACTOR FOLLOWING MANUFACTURER'S INSTRUCTIONS.
4. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL SHOWING DESIGN, COLORS, AND INSTALLATION DETAILS.
5. DIGITAL DESIGN FOR THE LOGO TO BE PROVIDED BY OWNER'S REPRESENTATIVE.

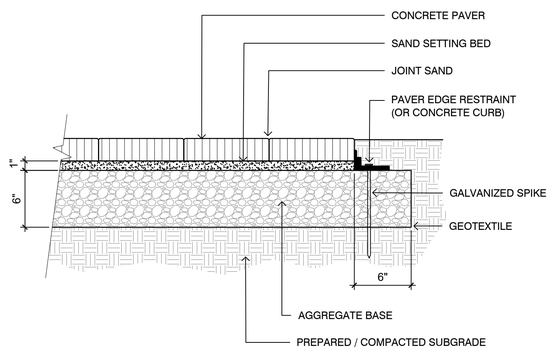


2 L3.0 **PAVER ART PLAZA (ALTERNATE BID)**
PLAN
0 5' 10' 15'
1"-5'-0"

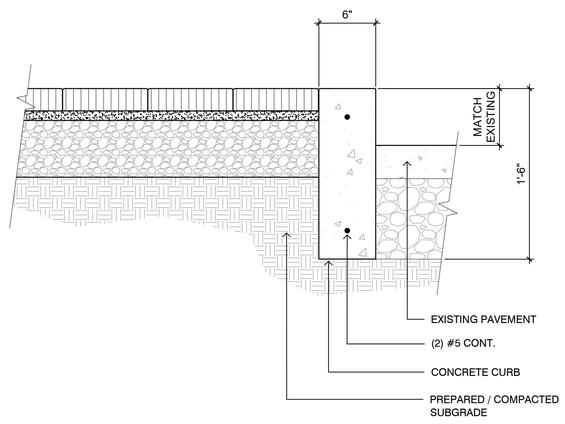
NOTES:
1. REFER TO DETAIL 1/L3.0 FOR DIMENSIONS AND ADDITIONAL LAYOUT INFORMATION



3 L3.0 **TYPICAL PLAZA CORNERS**
1"=2'-0"

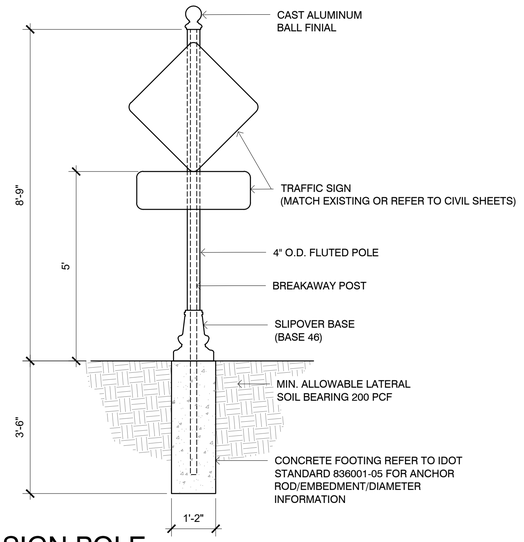


4 L3.0 **CONCRETE PAVERS**
SECTION
1-1/2"=1'-0"



5 L3.0 **CONCRETE CURB**
SECTION
1-1/2"=1'-0"

NOTES:
1. SEE SITE PLAN FOR LOCATIONS OF TRAFFIC SIGN POST REPLACEMENTS.
2. SIGN POST AND RELATED HARDWARE TO BE BY CAPITAL STREETSCAPES (972-641-4911), OR APPROVED EQUAL.



6 L3.0 **TRAFFIC SIGN POLE**
SECTION
1/2"=1'-0"

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REGISTERED LANDSCAPE ARCHITECT
LAMBERT ANDREW FRANKE
001486
STATE OF ILLINOIS
EXPIRES 11/30/2027

NAME: L. ANDREW FRANKE
DISCIPLINE: LANDSCAPE ARCHITECT
ILLINOIS LICENSE NO: 157.001486
EXPIRATION DATE: AUGUST 31, 2027

LAKE LAND COLLEGE ENTRANCE IMPROVEMENTS

SITE DETAILS

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DATE: SEPTEMBER 16, 2025

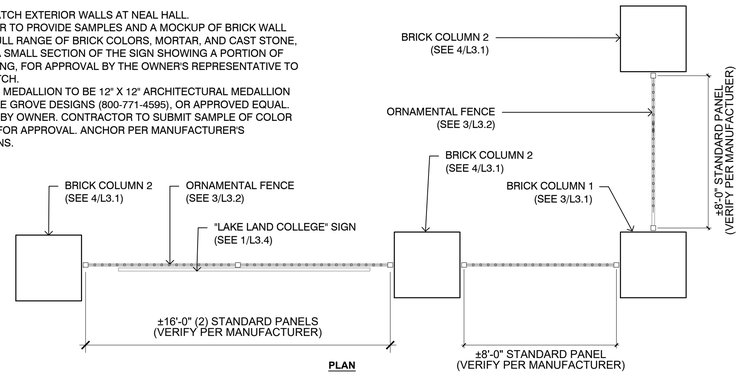
DESIGNED: S. TALBERT
DRAWN: S. TALBERT
CHECKED: A. FRANKE

PDS PROJECT NO: J.2308

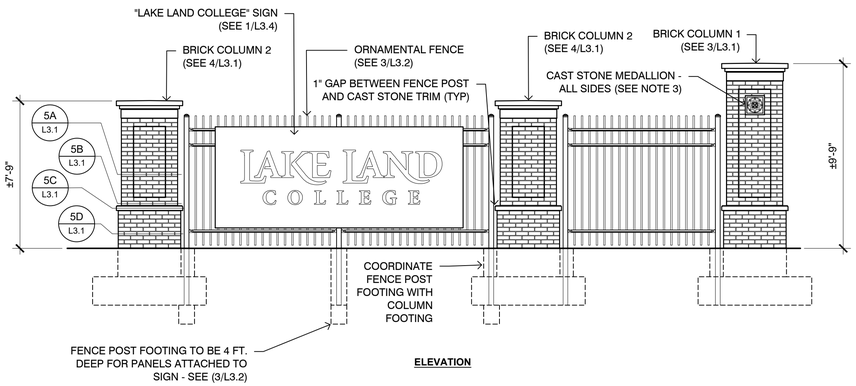
L3.0

NOTES:

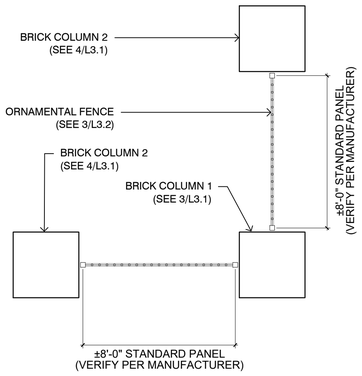
1. BRICK TO MATCH EXTERIOR WALLS AT NEAL HALL.
2. CONTRACTOR TO PROVIDE SAMPLES AND A MOCKUP OF BRICK WALL SHOWING FULL RANGE OF BRICK COLORS, MORTAR, AND CAST STONE, INCLUDING A SMALL SECTION OF THE SIGN SHOWING A PORTION OF THE LETTERING, FOR APPROVAL BY THE OWNER'S REPRESENTATIVE TO ENSURE MATCH.
3. CAST STONE MEDALLION TO BE 12" X 12" ARCHITECTURAL MEDALLION BY PINEAPPLE GROVE DESIGNS (800-771-4595), OR APPROVED EQUAL. DESIGN TBD BY OWNER. CONTRACTOR TO SUBMIT SAMPLE OF COLOR AND FINISH FOR APPROVAL. ANCHOR PER MANUFACTURER'S INSTRUCTIONS.



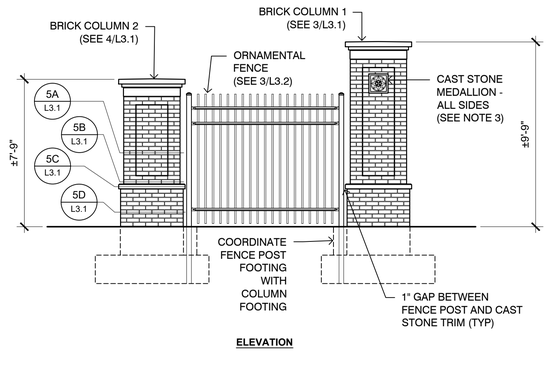
PLAN



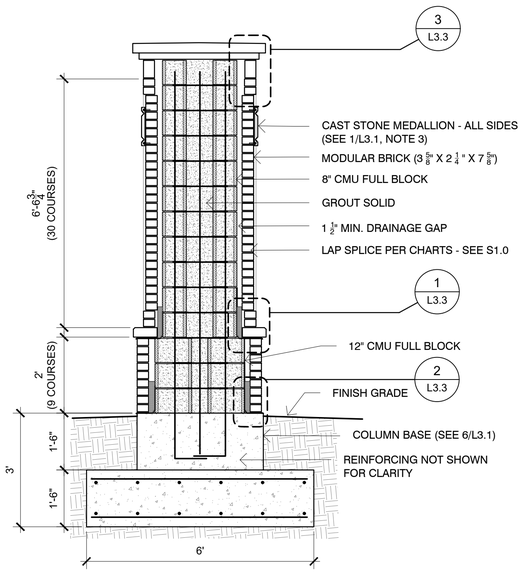
ELEVATION



PLAN



ELEVATION



1 L3.1 ENTRANCE #2 SIGN FEATURE

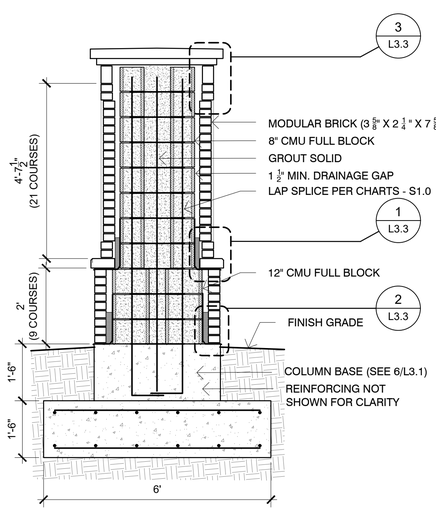
PLAN, ELEVATION — 1/4"=1'-0"

2 L3.1 ENTRANCES #1 & #3 SIGN FEATURE

PLAN, ELEVATION — 1/4"=1'-0"

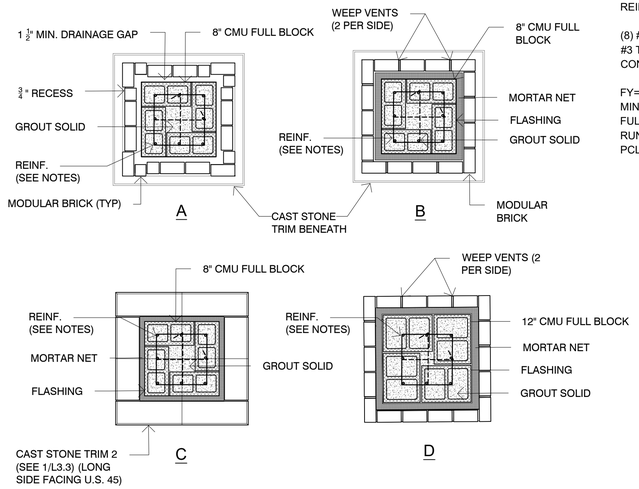
3 L3.1 COLUMN 1 TYPICAL

SECTION — 1/2"=1'-0"



4 L3.1 COLUMN 2 TYPICAL

SECTION — 1/2"=1'-0"



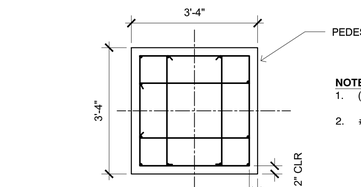
NOTES:
TYP. MASONARY COLUMNS REINFORCING INFO:

(8) #5 VERT. BARS
#3 Ties @ 8", EA COURSE
CONT. TIES INTO PEDESTAL

FY=60 ksi
MIN. CC= 1.5"
FULLY GROUTED
RUNNING BOND
PCL MORTAR

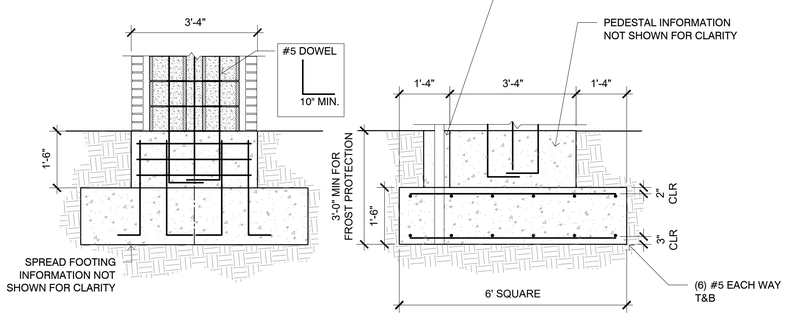
5 L3.1 HORIZONTAL COLUMN SECTIONS

SECTION — 1/2"=1'-0"



PLAN

NOTES:
1. (12) #8 VERTICAL REINFORCING BARS.
2. #3 TIES @ 12" O.C.



6 L3.1 COLUMN BASE

SECTION — 1/2"=1'-0"

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LICENSED STRUCTURAL ENGINEER — ERIC WILLIAM LARSON — 081-007498 — EXP 11-30-26 — STATE OF ILLINOIS

09/16/2025

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REGISTERED LANDSCAPE ARCHITECT — LAMBERT ANDREW FRANKE — 001486 — STATE OF ILLINOIS

NAME: L. ANDREW FRANKE
DISCIPLINE: LANDSCAPE ARCHITECT
ILLINOIS LICENSE NO: 157.001486
EXPIRATION DATE: AUGUST 31, 2027

LAKE LAND COLLEGE ENTRANCE IMPROVEMENTS

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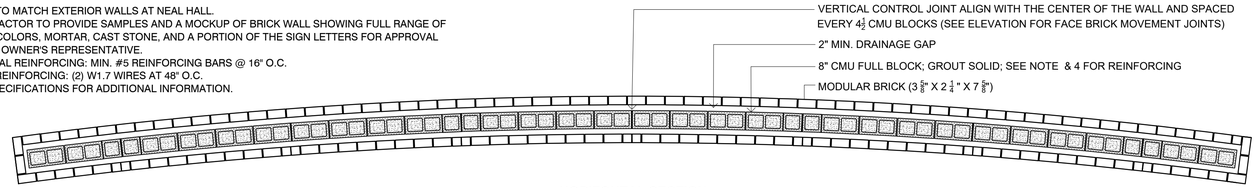
DATE: SEPTEMBER 16, 2025

DESIGNED: S. TALBERT
DRAWN: S. TALBERT
CHECKED: A. FRANKE

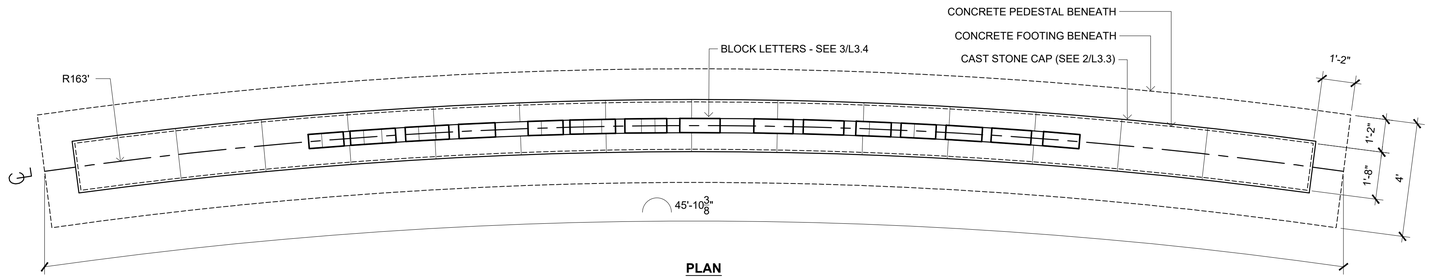
PDS PROJECT NO: J.2308

L3.1

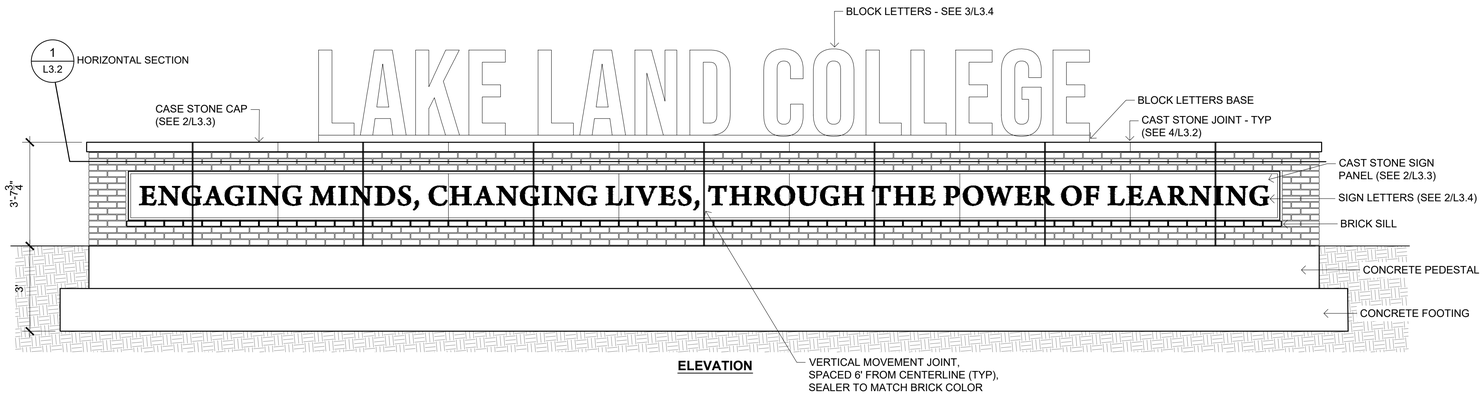
NOTES:
1. BRICK TO MATCH EXTERIOR WALLS AT NEAL HALL.
2. CONTRACTOR TO PROVIDE SAMPLES AND A MOCKUP OF BRICK WALL SHOWING FULL RANGE OF BRICK COLORS, MORTAR, CAST STONE, AND A PORTION OF THE SIGN LETTERS FOR APPROVAL BY THE OWNER'S REPRESENTATIVE.
3. VERTICAL REINFORCING: MIN. #5 REINFORCING BARS @ 16" O.C.
4. JOINT REINFORCING: (2) W1.7 WIRES AT 48" O.C.
5. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.



HORIZONTAL SECTION

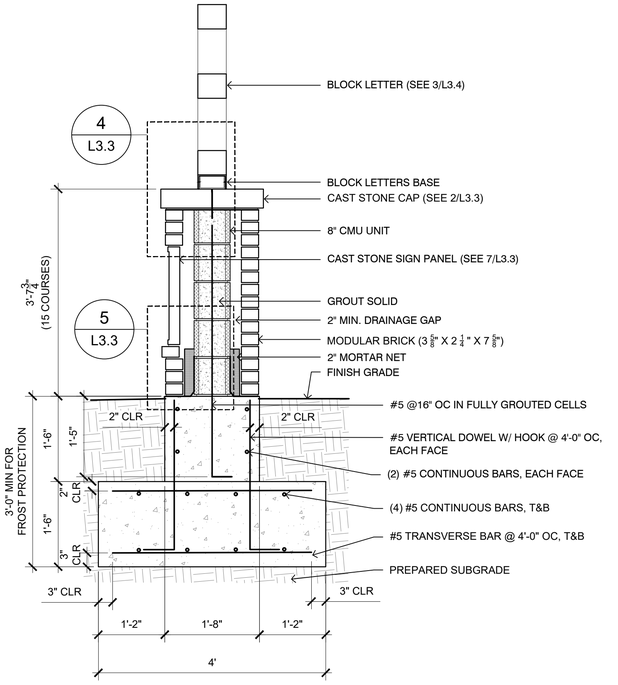


PLAN

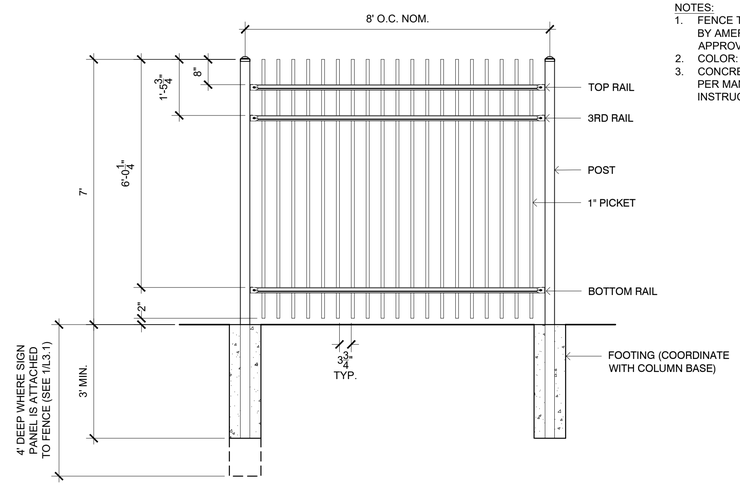


ELEVATION

1 L3.2 PLAZA SIGN WALL
PLAN, ELEVATION — 3/8" = 1'

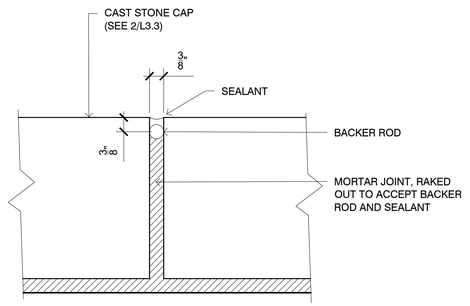


2 L3.2 PLAZA SIGN WALL
SECTION — 3/4"=1'-0"



NOTES:
1. FENCE TO BE MONTAGE II GENESIS BY AMERISTAR (1-888-333-3422), OR APPROVED EQUAL.
2. COLOR: BLACK
3. CONCRETE FOOTING & POST SIZE PER MANUFACTURER'S INSTRUCTIONS.

3 L3.2 ORNAMENTAL FENCE
ELEVATION — 1/2"=1'-0"



4 L3.2 CAST STONE JOINT
SECTION — 2" = 1'-0"

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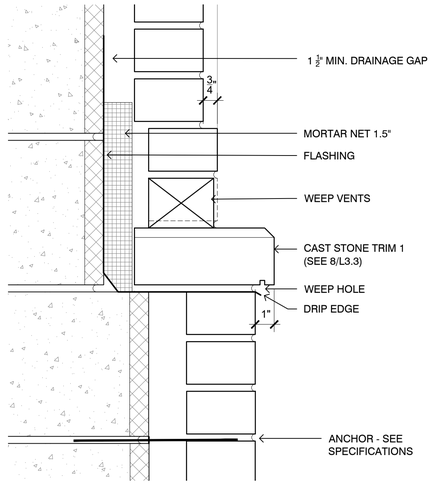
DATE: SEPTEMBER 16, 2025

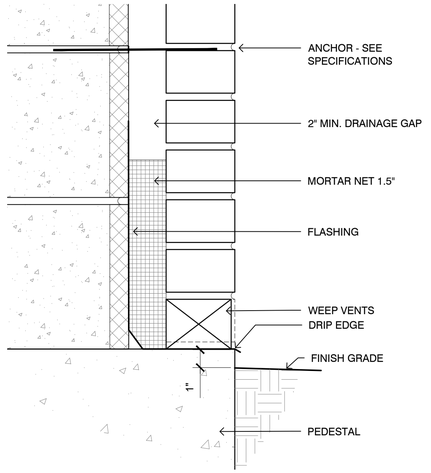
DESIGNED: S. TALBERT
DRAWN: S. TALBERT
CHECKED: A. FRANKE

PDS PROJECT NO: J.2308

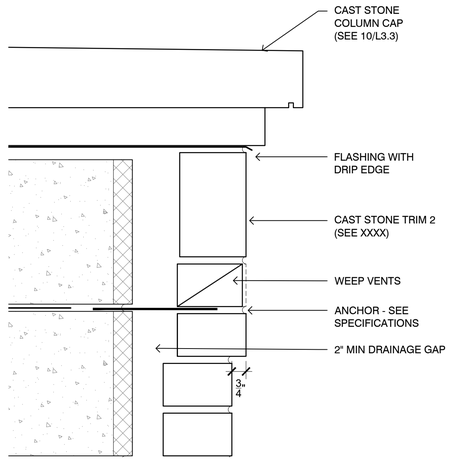
L3.2



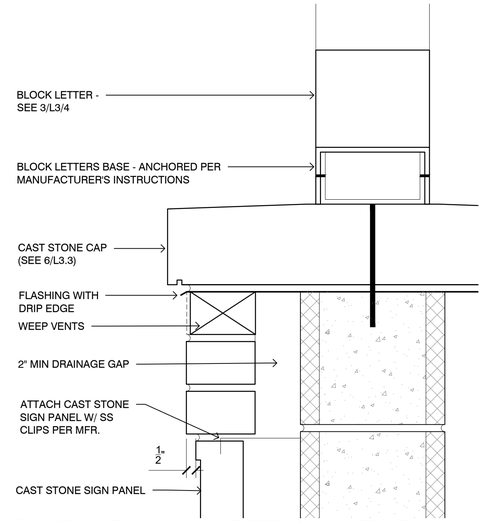
1 L3.3 **COLUMN DETAIL 1 (MID)**
SECTION — 3" = 1'-0"



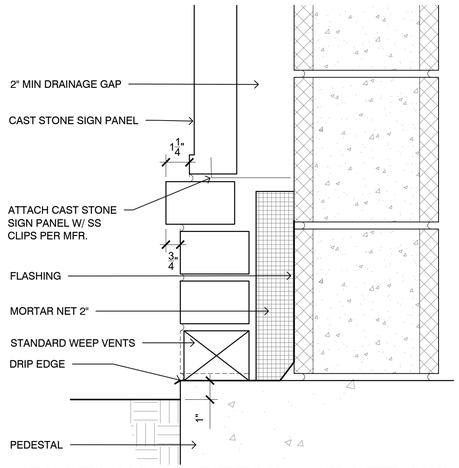
2 L3.2 **COLUMN DETAIL 2 (BOTTOM)**
SECTION — 3" = 1'-0"



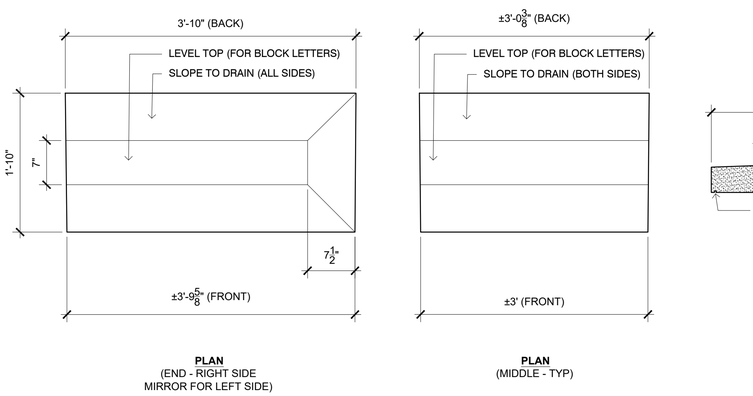
3 L3.3 **COLUMN DETAIL 3 (TOP)**
SECTION — 3" = 1'-0"



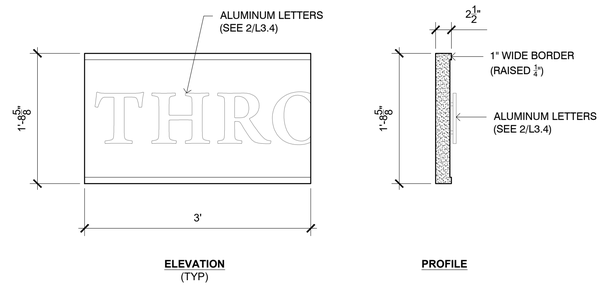
4 L3.3 **PLAZA WALL DETAIL 1 (TOP)**
SECTION — 3" = 1'-0"



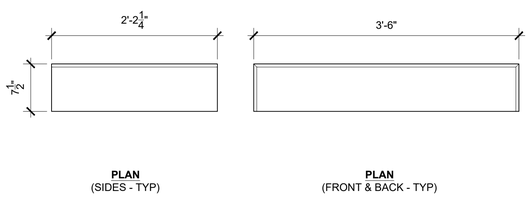
5 L3.3 **PLAZA WALL DETAIL 2 (BOTTOM)**
SECTION — 3" = 1'-0"



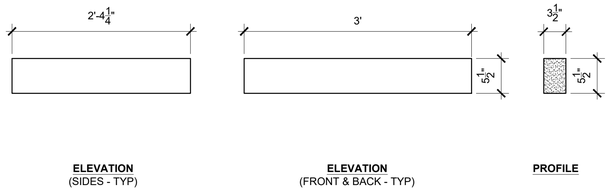
6 L3.3 **CAST STONE CAP - PLAZA WALL**
PLAN / SECTION — 1" = 1'-0"



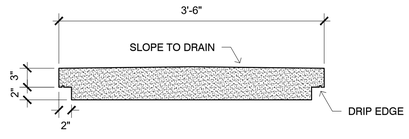
7 L3.3 **CAST STONE SIGN PANEL - PLAZA WALL**
ELEVATION / SECTION — 1" = 1'-0"



8 L3.3 **CAST STONE TRIM 1 - COLUMN**
PLAN / SECTION — 1" = 1'-0"



9 L3.3 **CAST STONE TRIM 2 - COLUMN**
PLAN / SECTION — 1" = 1'-0"



10 L3.3 **CAST STONE CAP - COLUMN**
SECTION — 1" = 1'-0"

GENERAL NOTES: CAST STONE

1. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF ALL CAST STONE UNITS SHOWING DIMENSIONS, ANCHORING, COLOR, AND FINISH FOR APPROVAL BY THE OWNER'S REPRESENTATIVE.
2. CAST STONE UNITS BY CALIBER CAST STONE (636-978-4000), OR APPROVED EQUAL.

LAKE LAND COLLEGE

PLANNING DESIGN STUDIO
2816 Sutton Boulevard, Suite 1
Saint Louis, Missouri 63143
314-241-3600
www.planningdesignstudio.com

CIVIL / SURVEY / STRUCTURAL
CIVIL DESIGN, INC. (CDI)
307 E. Washington
Effingham, Illinois 62401
217-340-0347

ELECTRICAL
RTM CONSULTING ENGINEERS
3701 S. Lindberg, Suite 204
St. Louis, Missouri 63127
314-725-5889

REGISTERED LANDSCAPE ARCHITECT — LAMBERT ANDREW FRANKE — 001486 — STATE OF ILLINOIS

NAME: L. ANDREW FRANKE
DISCIPLINE: LANDSCAPE ARCHITECT
ILLINOIS LICENSE NO: 157.001486
EXPIRATION DATE: AUGUST 31, 2027

LAKE LAND COLLEGE ENTRANCE IMPROVEMENTS

SITE DETAILS

NO.	DATE	REVISION

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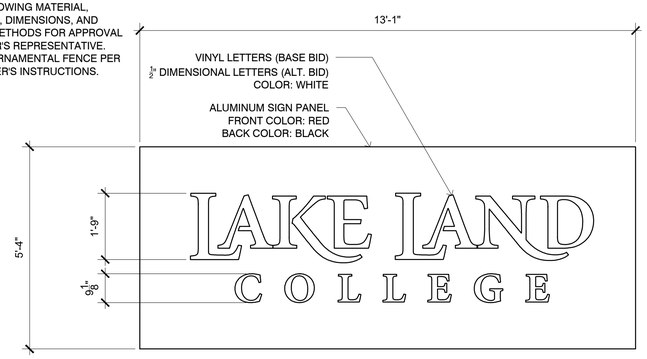
DATE: SEPTEMBER 16, 2025

DESIGNED: S. TALBERT
DRAWN: S. TALBERT
CHECKED: A. FRANKE

PDS PROJECT NO: J.2308

L3.3

NOTES:
1. SIGN SHALL BE BY ENGRAPHIX ARCHITECTURAL SIGNAGE (314-781-7878), OR APPROVED EQUAL.
2. CONTRACTOR TO PROVIDE SHOP DRAWINGS SHOWING MATERIAL, COLOR, FINISH, DIMENSIONS, AND ANCHORING METHODS FOR APPROVAL BY THE OWNER'S REPRESENTATIVE.
3. ANCHOR TO ORNAMENTAL FENCE PER MANUFACTURER'S INSTRUCTIONS.

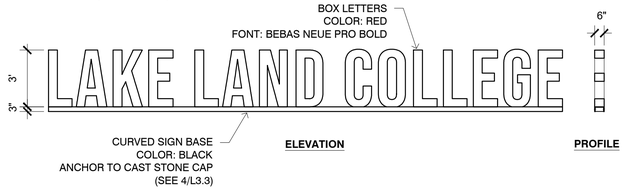


1 L3.4 ENTRANCE #2 SIGN PANEL
ELEVATION 1/2"=1'-0"

NOTES:
1. ALUMINUM CUT LETTERS, STUD MOUNTED TO CAST STONE PANEL, PAINTED ONE COLOR (BLACK). CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALUMINUM CUT SIGN LETTERS SHOWING MATERIAL, FINISH, AND ATTACHMENT METHODS. SIGN LETTERS SHALL BE BY ENGRAPHIX (314-781-7878), OR APPROVED EQUAL.

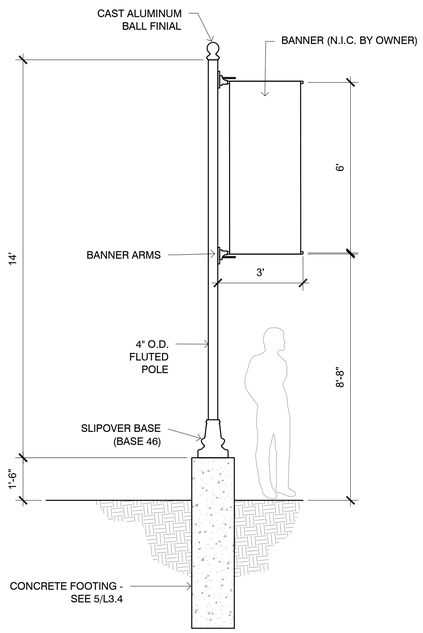
2 L3.4 PLAZA WALL - CUT LETTERS SIGN
ELEVATION 1/2"=1'-0"

NOTES:
1. ALUMINUM BOX LETTERS, FULLY WELDED SEAMS, MOUNTED TO CURVED BASE, PAINTED ONE COLOR (RED TO MATCH COLLEGE COLORS). CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALUMINUM BOX SIGN LETTERS SHOWING MATERIAL, FINISH. AND ATTACHMENT METHODS. SIGN LETTERS SHALL BE BY ENGRAPHIX (314-781-7878), OR APPROVED EQUAL.

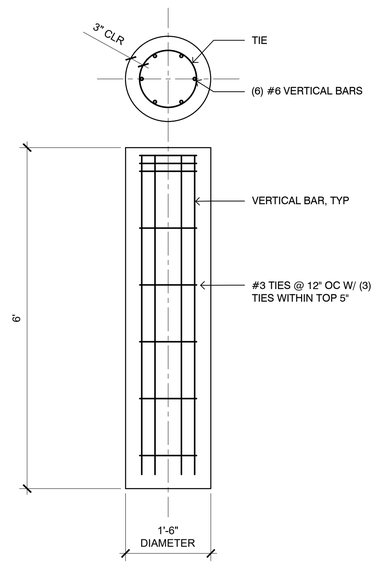


3 L3.4 PLAZA WALL - BOX LETTERS SIGN
ELEVATION 1/4"=1'-0"

OR APPROVED EQUAL.



4 L3.4 BANNER POLE
SECTION 3/8"=1'-0"



5 L3.4 BANNER POLE FOOTING
SECTION NTS

THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEAR HEREON, ASSUME RESPONSIBILITY ONLY FOR STRUCTURAL COMPONENTS AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) ANY RESPONSIBILITY FOR ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS, OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATION TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS DRAWING REFERS.

LICENSED STRUCTURAL ENGINEER
ERIC WILLIAM LARSON
081-007498
EXP 11-30-26
STATE OF ILLINOIS
09/16/2025

LAKE LAND COLLEGE

PLANNING DESIGN STUDIO
2816 Sutton Boulevard, Suite 1
Saint Louis, Missouri 63143
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DESIGNED: S. TALBERT
DRAWN: S. TALBERT
CHECKED: A. FRANKE

PDS PROJECT NO: J.2308

L3.4

STRUCTURAL DESIGN DATA

APPLICABLE CODES

BUILDING CODE: 2021 INTERNATIONAL BUILDING CODE/ ASCE 7-16/ ACI 318-19

RISK CATEGORY: I

DEAD & LIVE LOADS

NORMAL WEIGHT CONCRETE MASONRY UNITS	135 PCF
ARCH CAST STONE	150 PCF
MODULAR BRICK	150 PCF
COLLATERAL	10 PSF

SNOW LOAD

GROUND SNOW	p_g = 20 PSF
EXPOSURE FACTOR	C_e = 1.0
IMPORTANCE FACTOR	I_s = 0.8
THERMAL FACTOR	C_t = 1.2
FLAT-ROOF SNOW	p_f = 14 PSF
SLOPED-ROOF SNOW	p_s = 14 PSF
MIN. REQUIRED SNOW	p_m = 16 PSF

WIND DESIGN DATA

ULTIMATE DESIGN WIND SPEED	V_{ult} = 107 MPH
NOMINAL DESIGN WIND SPEED	V_{ASD} = 85 MPH
EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT	= ± 0.00
DIRECTIONAL PROCEDURE	

SEISMIC DESIGN DATA

IMPORTANCE FACTOR	I_e = 1.00
MAPPED SHORT PERIOD ACCELERATION	S_s = 0.262
MAPPED 1-SEC PERIOD ACCELERATION	S_1 = 0.116
SITE CLASS (PER GEOTECH REPORT)	D
DESIGN SHORT PERIOD ACCELERATION	SDS = 0.278
DESIGN 1-SEC PERIOD ACCELERATION	SD1 = 0.183
SEISMIC DESIGN CATEGORY	C
SEISMIC RESPONSE COEFFICIENT	C_s= 0.23
BASIC SEISMIC-FORCE-RESISTING SYSTEM:	GROUND SUPPORTED CANTILEVER WALLS OR FENCES
RESPONSE MODIFICATION COEFF.	R=1.25
OVERSTRENGTH FACTOR	Ω_0=2.00
DEFLECTION AMPLIFICATION FACTOR	Cd=2.5
SPECIFIED DETAILING REQUIREMENTS	ASCE 15.6.8
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
BASE SHEAR	$V = C_s \times W$

GEOTECHNICAL INFORMATION*

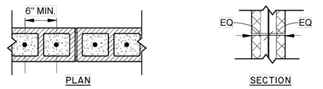
NET ALLOWABLE SOIL PRESSURE	
SPREAD SOIL BEARING	2,000 PSF
LATERAL SOIL BEARING	200 PCF
SOIL UNIT WEIGHT	130 LBS.FT^3
SLIDING FRICTION COEFFICIENTS	0.3
MINIMUM DEPTH TO BOTTOM OF EXTERIOR FOOTINGS	36 INCHES

STANDARD SPLICE LENGTH FOR DEVELOPMENT OF DEFORMED BARS - 60 KSI STEEL - CLAY OR CONCRETE MASONRY - CENTERED BAR

F'M, COMPRESSIVE STRENGTH (PSI)	BAR SIZE	8" BLOCK THICKNESS SPLICE LENGTH	10" BLOCK THICKNESS SPLICE LENGTH	12" BLOCK THICKNESS SPLICE LENGTH
F'M = 2500 PSI	#3	12.00	12.00	12.00
	#4	12.00	12.00	12.00
	#5	18.00	16.00	12.00
	#6	34.00	29.00	21.00
	#7	46.00	39.00	29.00
	#8	71.00	59.00	45.00
	#9	92.00	75.00	57.00
	#10	119.00	95.00	73.00
	#11	150.00	117.00	92.00

NOTES:

1. SEE TMS 402-16 EQ. 6-1
2. IF BARS OF DIFFERENT SIZE ARE LAP SPLICED IN TENSION, Lst SHALL BE THE GREATER OF Ld OF THE LARGER BAR AND Lst OF THE SMALLER BAR.



PLAN SECTION

STANDARD LENGTH FOR DEVELOPMENT OF NON-COATED DEFORMED BARS IN TENSION - 60 KSI STEEL - CONCRETE

CONCRETE COMPRESSIVE STRENGTH (PSI)	BAR SIZE	TENSION DEVELOPMENT LENGTH (Ld) - ACI TABLE 25.4.2.3	TENSION DEVELOPMENT LENGTH W/ STANRD HOOK (Ldh) ACI 25.4.
F'C = 4500 PSI	#3	8.00	6.00
	#4	11.00	6.00
	#5	14.00	8.00
	#6	17.00	10.00
	#7	24.00	12.00
	#8	27.00	15.00
	#9	31.00	18.00
	#10	34.00	21.00
	#11	37.00	24.00

NOTES:

1. SEE ACI TABLE 25.3.2.
2. Ath >= 0.4 Ahs or s >= 6db
3. Bars terminating inside column core with side cover >= 2.5" or With cover normal to plane of hook >= 6*db.
4. Vertical Bars or No more than 12" of fresh concrete placed below horizontal reinforcement.
5. Non-Epoxy Reinforcing

GENERAL NOTES: CONCRETE

MATERIAL STANDARDS

CONCRETE STANDARD: ACI 318, LRFD

1. QUALITY ASSURANCE

PERFORM ALL CONCRETE WORK IN CONFORMANCE WITH CODE-CITED EDITIONS OF THE FOLLOWING ACI STANDARDS:

1)	ACI 211.1	(MIX PROPORTIONING)
2)	ACI 301	(SPECIFICATIONS)
3)	ACI 304	(PLACING)
4)	ACI 305	(HOT WEATHER CONCRETING)
5)	ACI 306	(COLD WEATHER CONCRETING)
6)	ACI 315	(DETAILING)
7)	ACI 347	(FORMWORK)
8)	ASTM C 1116	(FIBER REINFORCEMENT)
9)	ASTM C 1059/ C 1059 M	(BONDING AGENTS)
10)	ASTM A775	(EPOXY COATED REBAR)

2. ACTION SUBMITTALS

SUBMIT CONCRETE DESIGN MIXES & STEEL REINFORCEMENT SHOP DRAWINGS PRIOR TO START OF THE WORK. BEGIN CONCRETE PRODUCTION AFTER THE STRUCTURAL ENGINEER HAS APPROVED MIXES.

3. NOT USED

4. INSTALLATION

A. AIR-ENTRAIN BY VOLUME AT POINT OF DISCHARGE.

B. DETERMINE CONCRETE SLUMP AT POINT OF DELIVERY.

C. PROVIDE CORNER BARS TO MATCH HORIZONTAL REINFORCING, AT CORNERS AND INTERSECTIONS.

D. LAP OR DOWEL ALL REINFORCING BARS AS FOLLOWS, UNLESS NOTED OTHERWISE:
1) SPLICE BARS WITH CONTACT LAPS, UNLESS NOTED OTHERWISE.
2) REINFORCING SHALL BE DETAILED AND INSTALLED IN COMPLIANCE WITH ACI 315, ACI 318, AND CRSI MSP-1. SHOP FABRICATED AND CONFORM TO ASTM A-615

E. CONTACT LAP SPLICE LENGTHS (CLASS A / CLASS B): FOLLOWS CRSI MANUAL, ACI 318 WHEN APPLICABLE REFERENCE ACI 25.4.2.3 TABLES WHEN APPLICABLE. IF USING EPOXY COATED REINFORCING, INCREASE LAP LENGTH BY 50%, PER IBC.

F. CONCRETE COVER IS MEASURED TO THE OUTER EDGE OF STIRRUPS, TIES, OR SPIRALS IF TRANSVERSE REINFORCEMENT ENCLOSES MAIN BARS; TO THE OUTERMOST LAYER OF BARS IF MORE THAN ONE LAYER IS USED WITHOUT STIRRUPS OR TIES;

MINIMUM CONCRETE COVER TO STEEL REINFORCING (UNLESS NOTED OTHERWISE)

1)	CAST DIRECTLY AGAINST EARTH	3 INCHES
2)	EXPOSED TO EARTH OR WEATHER	2 INCHES
3)	NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH:	
	A) SLABS AND WALLS	3/4 INCHES
	B) BEAMS AND COLUMNS	1 ½ INCHES

G. IF USE OF WELDED WIRE REINFORCEMENT IS ALLOWED PLACE IN UPPER THIRD OF THE SLAB OR FILL. CONFORM TO ASTM A 1064. 8 INCH LAP SPLICE WHERE APPLICABLE. 65 KSI STEEL.

H. IF APPLICABLE USE PLASTIC VAPOR RETARDER: ASTM E 1745, CLASS A, NOT LESS THAN 10 MIL

I. ENSURE THE AIR ENTRAINING, WATER REDUCING, OR WATER REDUCING AND RETARDING ADMIXTURES ARE COMPATIBLE WITH THE CORROSION INHIBITOR. WHEN CORROSION INHIBITORS ACT AS AN ACCELERATOR IN ADDITION TO INHIBITING CORROSION OF THE STEEL, ADJUST THE QUANTITIES OF OTHER ADMIXTURES TO PRODUCE ACCEPTABLE WORKABILITY AND SETTING TIME ACCORDINGLY.

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DATE: SEPTEMBER 16, 2025

DESIGNED: S. TALBERT
DRAWN: S. TALBERT
CHECKED: A. FRANKE

PDS PROJECT NO: J.2308

S1.0

ELECTRICAL ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
B.A.S.	BUILDING AUTOMATION SYSTEM OR CONTRACTOR
B.F.G.	BELOW FINISHED GRADE
C	IN STATEMENT IS ABBREVIATION FOR "CONDUIT"
CKT	CIRCUIT
E.C.	AS SPECIFIED IN DIVISION 26.
E.M.	EQUIPMENT MANUFACTURER
E.X.	AT DEVICE INDICATES DEVICE IS EXISTING
F.B.O.	FURNISHED BY OTHERS
FS	FUSIBLE SWITCH
GFIP	GROUND FAULT INTERRUPT PROTECTION
HP	HORSEPOWER
NF	NOT FUSED/ NON-FUSIBLE SWITCH
NIC	NOT IN CONTRACT
REL	RELAY
U.N.O.	UNLESS NOTED OTHERWISE
WP	WEATHERPROOF (NEMA 3R)

ELECTRICAL SYMBOLS

J	WALL MOUNTED JUNCTION BOX (4"x4"x1-1/2" MIN.)
J	CEILING MOUNTED JUNCTION BOX (4" x4" x1-1/2" MINIMUM)
LN201	PANELBOARD LOCATION ON PLANS. "LN201" INDICATES DESIGNATION. SEE DETAIL A18 THIS SHEET FOR BONDING.
TL1	TRANSFORMER LOCATION ON PLANS. "TL1" INDICATES DESIGNATION.
1	SHEET KEYED NOTE. "1" INDICATES NOTE #
	CIRCUIT CONDUIT ROUTING. " " INDICATES ONE(1) GROUND CONDUCTOR, ONE(1) NEUTRAL CONDUCTOR & TWO(2) PHASE CONDUCTORS RESPECTIVELY. " " INDICATES ISOLATED GROUND CONDUCTOR. ALL CONDUCTORS SHALL BE #12 AWG MINIMUM U.N.O.
	CIRCUIT/CONDUIT "HOMERUN"
	CONDUIT ROUTED UNDER SLAB.
	CONDUIT ROUTED IN CEILING SPACE OF LEVEL BELOW.
	CONDUIT ROUTED EXPOSED AS SHOWN.
	CONDUIT TURNING UP.
	CONDUIT TURNING DOWN.
	GROUND CONNECTION OR LIGHTNING PROTECTION GROUND ROD LOCATION.
S_3	TOGGLE SWITCH. MOUNT AT 48" A.F.F. U.N.O. SUBSCRIPTS 2, 3, 4 INDICATE TWO POLE, THREE WAY AND 4 WAY RESPECTIVELY. SUBSCRIPT "K" INDICATES KEYED TOGGLE SWITCH. SUBSCRIPT "O" INDICATES OCCUPANCY SENSOR SWITCH. SUBSCRIPT "LV" INDICATES LOW VOLTAGE SWITCH.

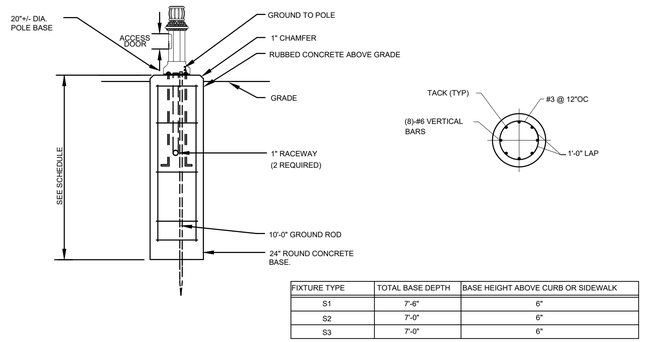
ELECTRICAL SYMBOLS

IG LC1-6	NEMA 5-20R GROUND TYPE DUPLEX RECEPTACLE MOUNT AT 18" U.N.O. "LC1-6" INDICATES PANEL AND POSITION. "C" INDICATES COMPUTER POWER TYPE PROVIDE 1 PHASE WIRE AND 1 NEUTRAL WIRE PER CIRCUIT INDICATED. PROVIDE 2-#12, 1-#12G, IN 3/4"C TO EACH "C" RECEPTACLE LOCATION. TYPICAL FOR ALL DEVICES.
	NEMA 5-20R G.F.I. DUPLEX RECEPTACLE. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE.
PC	PHOTO CELL DEVICE
B HA1-17a	"B" INDICATES FIXTURE TYPE. "HA1-17" INDICATES PANEL AND CIRCUIT. "a" INDICATES SWITCHLEG. "S" PREFIX INDICATES AN EXTERIOR FIXTURE. TYPICAL OF ALL LIGHT FIXTURES. SEE LIGHT FIXTURE SCHEDULE FOR MORE INFORMATION.
	EXTERIOR WALLPACK. SEAL FIXTURE AT WALL WITH NON-HARDENING WEATHERPROOF SEALANT.
	EXTERIOR FLOOD LIGHT.
	EXTERIOR WALL MOUNTED HID LIGHT FIXTURE.
	EXTERIOR POLE MOUNTED HID LIGHT FIXTURE.
	TWIN EXTERIOR POLE MOUNTED HID LIGHT FIXTURES.

NOTE: NOT ALL SYMBOLS OR ABBREVIATIONS MAY BE USED.

LIGHTING FIXTURE SCHEDULE

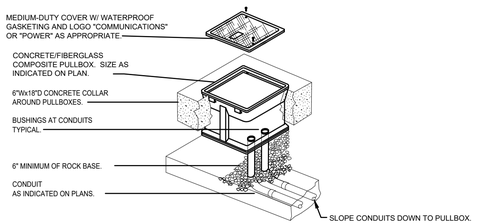
TYPE	OPT.	MANUFACTURER & CATALOG NO.	VOLTAGE	LAMPS	MOUNTING	DESCRIPTION & REMARKS
S1	1	GLEON-SA3A-740-8-T4W	480V	LED 3000 K	POLE	SINGLE HEAD, POLE MOUNTED, LED SITE LUMINAIRE. PROVIDE 40'-0" RTS POLE.
	2	APPROVED EQUAL				
	3	APPROVED EQUAL				
S2	1	GLEON-SA2A-740-8-T4W	480V	LED 3000 K	POLE	DOUBLE HEAD, POLE MOUNTED, LED SITE LUMINAIRE. PROVIDE 20'-0" RTS POLE.
	2	APPROVED EQUAL				
	3	APPROVED EQUAL				
S3	1	GLEON-SA2A-740-8-T4W	120-277V	LED 3000 K	POLE	SINGLE HEAD, POLE MOUNTED, LED SITE LUMINAIRE. PROVIDE 20'-0" RTS POLE.
	2	APPROVED EQUAL				
	3	APPROVED EQUAL				
S4	1	GLEON-SA2A-740-8-T4W	480V	LED 3000 K	POLE	SINGLE HEAD, POLE MOUNTED, LED SITE LUMINAIRE. PROVIDE 20'-0" RTS POLE.
	2	APPROVED EQUAL				
	3	APPROVED EQUAL				
SF1	1	GFLD-SA1C-740-U-WR	120-277V	LED 3000 K	GRADE/BASE	LED FLOOD LAMP WITH BARN DOORS OPTION.
	2	APPROVED EQUAL				
	3	APPROVED EQUAL				
SF2	1	GFLD-SA1C-740-8-WR	480V	LED 3000 K	GRADE/BASE	LED FLOOD LAMP WITH BARN DOORS OPTION.
	2	APPROVED EQUAL				
	3	APPROVED EQUAL				
SL	1	HYDREL 4750L 2FT 1000LMF 30K MVOLT MFL KMSR FVSR	120-277V	LED 3000 K	IN-GRADE	SIGN FLOOD LIGHT. MOUNT ON BASE PER DETAIL 3/E0.0. FIXTURE TO BE AIMED IN PRESENCE OF A/E, INCLUDING POSSIBLE REMOVAL OF UPPER AND/OR LOWER VISOR TO MEET DESIRED CONDITIONS. PROVIDE IN-GRADE JUNCTION BOX NEAR BASE FOR CONNECTION TO FIXTURE.
	2	APPROVED EQUAL				
	3	APPROVED EQUAL				



FIXTURE TYPE	TOTAL BASE DEPTH	BASE HEIGHT ABOVE CURB OR SIDEWALK
S1	7'-6"	6"
S2	7'-0"	6"
S3	7'-0"	6"

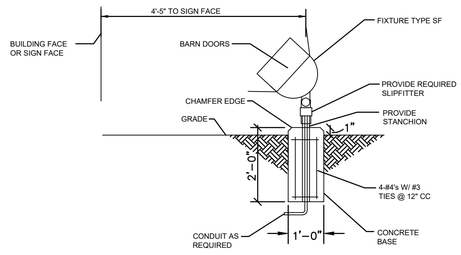
1 E0.0 **POLE BASE DETAIL**

NTS



2 E0.0 **SITE PULLBOX DETAIL**

NTS



3 E0.0 **FLOOD LIGHT BASE DETAIL**

NTS

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St. Louis, Missouri 63127
314-725-5889

REGISTERED PROFESSIONAL ENGINEER
MICHAEL D. MITCHELL
062-063142
STATE OF ILLINOIS

SIGNED: 9-16-2025
EXPIRES: 11-30-2025

NAME: MICHAEL D. MITCHELL
DISCIPLINE: PROFESSIONAL ENGINEER
ILLINOIS LICENSE NO: 062.063142
EXPIRATION DATE: NOVEMBER 30, 2025

LAKE LAND COLLEGE ENTRANCE IMPROVEMENTS

ELECTRICAL SYMBOLS, ABBREVIATIONS, SCHEDULES, AND DETAILS

NO.	DATE	REVISION

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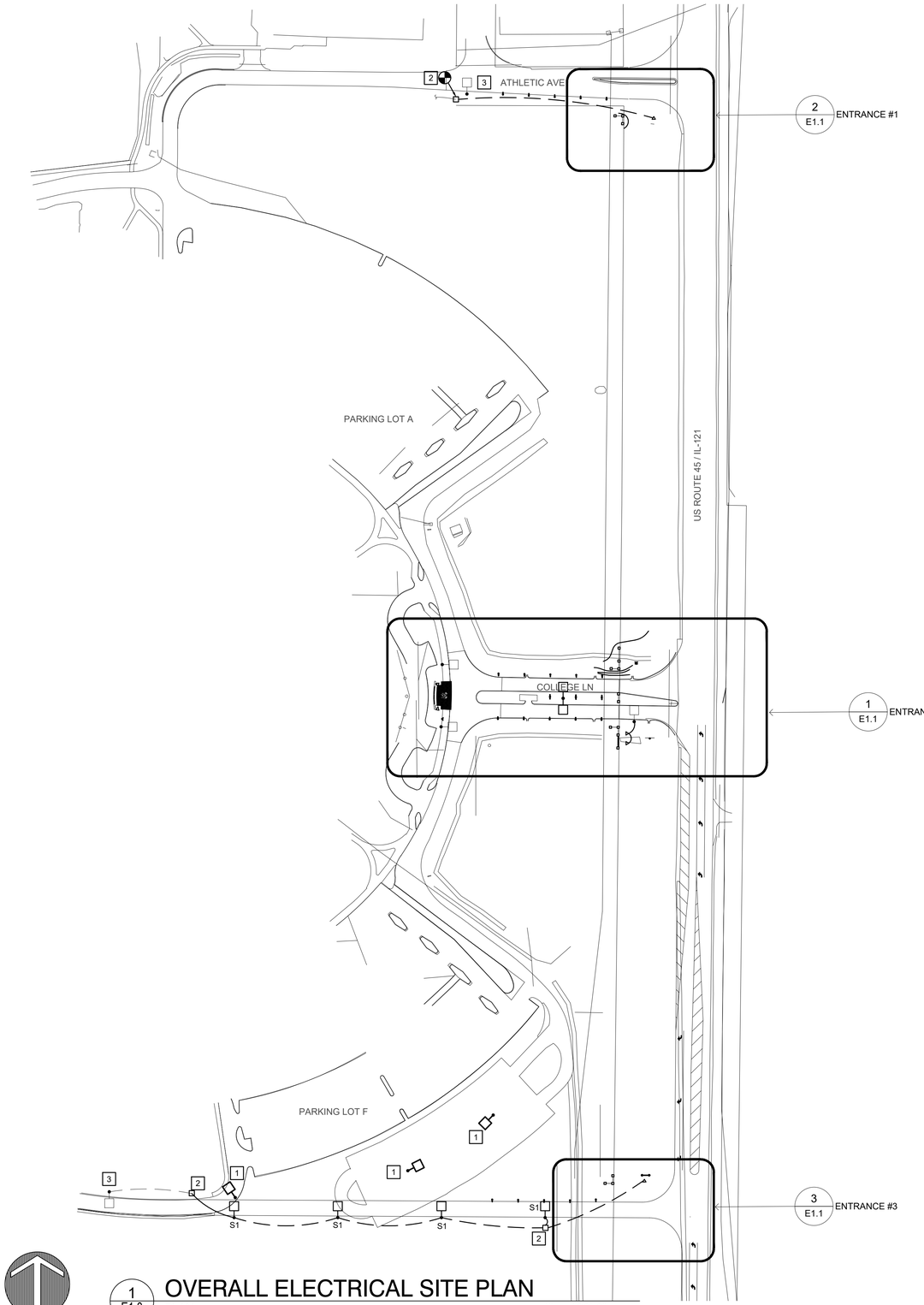
DATE: SEPTEMBER 16, 2025

DESIGNED: M. MITCHELL
DRAWN: R. HUDNELL
CHECKED: M. MITCHELL

PDS PROJECT NO: J.2308

SHEET 001 OF 003

E0.0



1 E1.0 **OVERALL ELECTRICAL SITE PLAN**
PLAN 1" = 100'-0"

GENERAL NOTES

1. WATER, SANITARY SEWER, AND STORM SEWER UTILITIES ARE EXISTING. COORDINATE LOCATIONS PRIOR TO INSTALLATION OF NEW CONDUITS.
2. VERIFY VOLTAGE OF EXISTING SITE LIGHTING CIRCUITS PRIOR TO PURCHASE OF NEW FIXTURES.

KEYED NOTES [#]

1. EXISTING SITE LIGHTING FIXTURE AND POLE TO BE DEMOLISHED. REMOVE FIXTURE, POLE, AND BASE. REMOVE EXISTING FEEDER BACK TO NEAREST JUNCTION POINT.
2. INTERCEPT EXISTING SITE LIGHTING CIRCUIT. PROVIDE 12X12X36 SITE PULLBOX. EXTEND NEW (2) #8, #8GND IN 1"C TO NEW FIXTURES AS SHOWN.
3. EXISTING SITE FIXTURE TO REMAIN.

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LAKE LAND COLLEGE ENTRANCE IMPROVEMENTS

OVERALL ELECTRICAL SITE PLAN

NO.	DATE	REVISION

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DATE: SEPTEMBER 16, 2025

DESIGNED: M. MITCHELL
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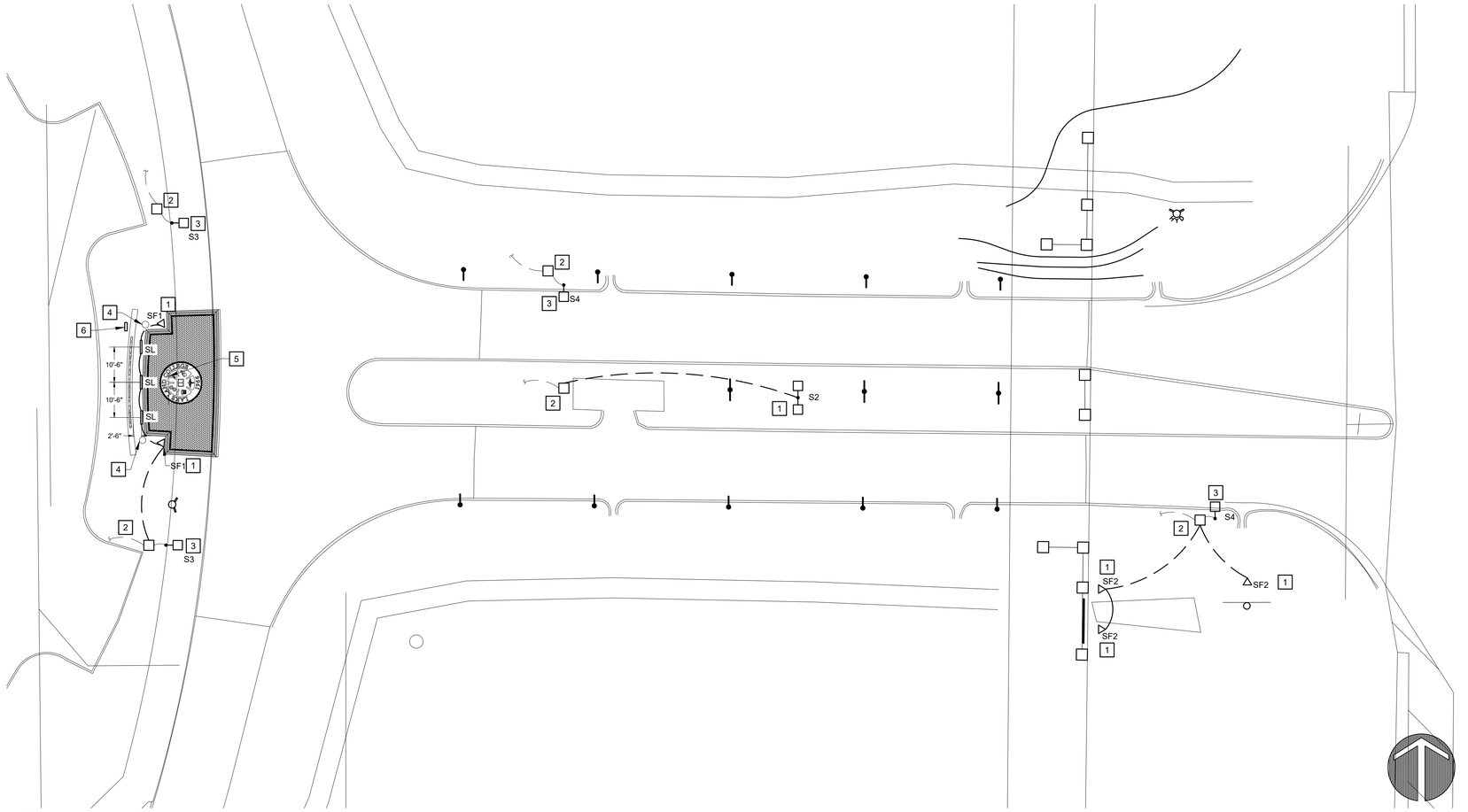
CHECKED: M. MITCHELL

PDS PROJECT NO: J.2308

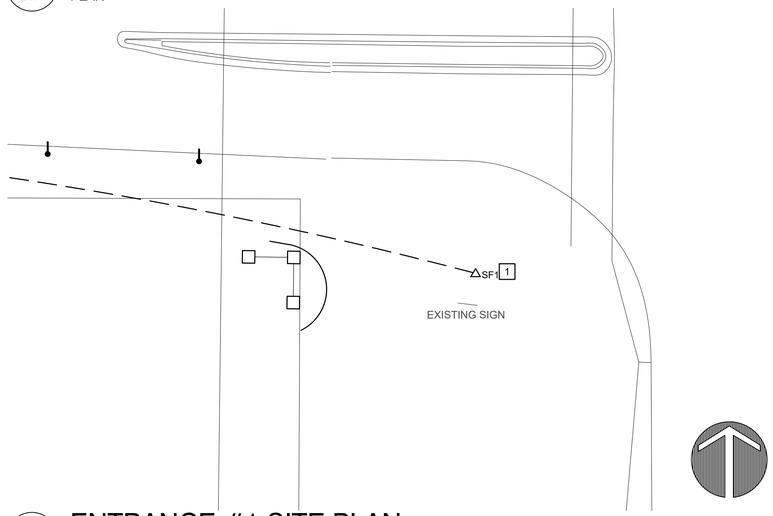
SHEET XXX OF 003

E1.0



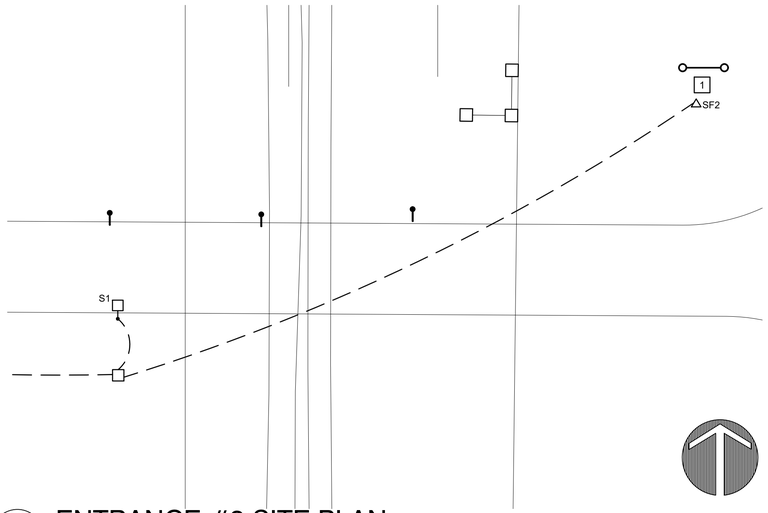
1 L1.1 ENTRANCE #2 SITE PLAN
PLAN

1"=20'-0"



2 L1.1 ENTRANCE #1 SITE PLAN
PLAN

1"=20'-0"



3 L1.1 ENTRANCE #3 SITE PLAN
PLAN

1"=20'-0"

GENERAL NOTES

1. WATER, SANITARY SEWER, AND STORM SEWER UTILITIES ARE EXISTING. COORDINATE LOCATIONS PRIOR TO INSTALLATION OF NEW CONDUITS.
2. VERIFY VOLTAGE OF EXISTING SITE LIGHTING CIRCUITS PRIOR TO PURCHASE OF NEW FIXTURES.

KEYED NOTES [#]

1. NEW SITE FIXTURE. SEE MOUNTING DETAIL ON SHEET E0.0. SEE E1.0 FOR ADDITIONAL BRANCH CIRCUIT INFORMATION.
2. INTERCEPT EXISTING SITE LIGHTING CIRCUIT. PROVIDE 12X12X36 SITE PULLBOX. EXTEND NEW (2) #8, #8GND IN 1"C TO NEW FIXTURES AS SHOWN.
3. EXISTING SITE FIXTURE TO BE REPLACED. REMOVE EXISTING FIXTURE, POLE, AND BASE.
4. EXISTING LICENSE PLATE CAMERA TO BE REMOVED BY OWNER.
5. DISCONNECT EXISTING ELECTRONIC SIGN. EXTEND BRANCH CIRCUIT ((2)#10s,#10 GND, IN 1"C) TO NEW LOCATION OF SIGN SHOWN ON ARCHITECTURAL SHEETS.
6. BASE BID: NO WORK.

   ALTERNATE #1: PROVIDE RAINBIRD ESP-LX PLUS IRRIGATION CONTROLLER. EXTEND BRANCH CIRCUIT FOR ELECTRONIC SIGN SHOWN BY KEYNOTE 5 TO IRRIGATION CONTROLLER AND MAKE FINAL CONNECTIONS.

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LAKE LAND COLLEGE ENTRANCE IMPROVEMENTS

ELECTRICAL SITE PLAN ENLARGED AREAS

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DATE: SEPTEMBER 16, 2025

DESIGNED: M. MITCHELL
DRAWN: R. HUDNELL
CHECKED: M. MITCHELL

PDS PROJECT NO: J.2308

SHEET 003 OF 003

E1.1

INDEX OF SHEETS

C1.0	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS
C2.0 - C2.3	TYPICAL SECTIONS
C3.0 - C3.1	ALIGNMENTS, TIES, AND BENCHMARKS
C4.0 - C4.1	PROPOSED ENTRANCE PLAN AND PROFILE
C4.2 - C4.5	US 45 PLAN AND PROFILE
C5.0 - C5.2	EROSION CONTROL PLAN
C6.0 - C6.2	REMOVAL PLAN
C7.0 - C7.1	INTERSECTION DETAILS AND ENTRANCE DETAILS
C8.0	GRADING PLAN
C9.1 - C9.4	PAVEMENT MARKING AND SIGNING PLANS
C10.0 - C10.1	STAND PIPE AND FIRE HYDRANT DETAILS
C11.0 - C11.2	CULVERT DETAILS
C12.0 - C12.27	CROSS SECTIONS US 45
C12.28 - C12.33	CROSS SECTIONS PODESTA DRIVE

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
353001-05	PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSES
420001-10	PAVEMENT JOINTS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542411	SLOPED METAL END SECTIONS FOR PIPE CULVERTS 15" THRU 60" DIA.
604001-05	FRAME AND LIDS, TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATION 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701901-09	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
D7-78000001	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)
D7-X6060097	CLASS SI CONCRETE (OUTLET), SPECIAL

GENERAL NOTES

THIS PROJECT IS LOCATED ON FAP ROUTE 824 (US 45) IN COLES COUNTY, 0.43 MILES SOUTH OF I-57. THE WORK CONSISTS OF WIDENING THE SOUTHBOUND ROADWAY IN FRONT OF LAKE LAND COLLEGE AND THE CONSTRUCTION OF AN ADDITIONAL ENTRANCE TO LAKE LAND COLLEGE. ADDITIONAL WORK INCLUDES HOT-MIX ASPHALT RESURFACING, EARTHWORK, PAVEMENT MARKINGS, SEEDING, AND ALL OTHER WORK NECESSARY TO COMPLETE THE SECTION.

ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON U.S.G.S. DATUM.

THE LOCATIONS AND DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE. FIELD MARKINGS OF UTILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 96 HOURS ADVANCE NOTICE THROUGH THE J.U.L.I.E. SYSTEM.

ISLAND BOX OUTS SHALL NOT HAVE ANY CONCRETE INSIDE THE BOX OUT. CONCRETE SHALL BE REMOVED AT CONTRACTORS EXPENSE.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION(S)	MIXTURE USE(S)	PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	MIXTURE WEIGHT	QUALITY MANAGEMENT PROGRAM	SUBLOT SIZE	MATERIAL TRANSFER DEVICE (REQUIRED?)
MAINLINE	POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N90	PG 70-22	4.0% @ N=90	IL - 9.5	MIXTURE D	112	QCQA	3000	N/A
PODESTA DRIVE	HMA SURFACE COURSE, IL-9.5, MIX "C", N70	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	112	QCQA	3000	N/A
PODESTA DRIVE	HMA BINDER COURSE, IL-9.5FG, N70	PG 64-22	4.0% @ N=70	IL - 9.5FG	N/A	112	QCQA	3000	N/A

9" HMA PAVEMENT LIFTS SHALL BE AS FOLLOWS
2" SURFACE
7" BINDER (2¼" MIN LIFT, 4½" MAX LIFT)

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE PLAN QUANTITIES:

AGGREGATE SHOULDERS	2.05 TONS/CU YD
BITUMINOUS MATERIALS (TACK COAT)	0.05 LBS/SQ FT (ON CONCRETE & MILLED HMA)
BITUMINOUS MATERIALS (TACK COAT)	0.025 LBS/SQ FT (ON HMA LIFTS)
BITUMINOUS MATERIALS (PRIME COAT)	0.25 LBS/SQ FT (ON AGGREGATE BASE)
HOT-MIX ASPHALT	112 LBS/SQ YD/INCH

COMMITMENTS:

TREE REMOVAL WILL ONLY BE ALLOWED BETWEEN OCTOBER 1ST AND MARCH 30TH.

STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

MODEL: Default
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USER NAME = SBales	DESIGNED - RLH	REVISED -
	DRAWN - DMM	REVISED -
PLOT SCALE = 4.0000 ' / in.	CHECKED - RLH	REVISED -
PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -

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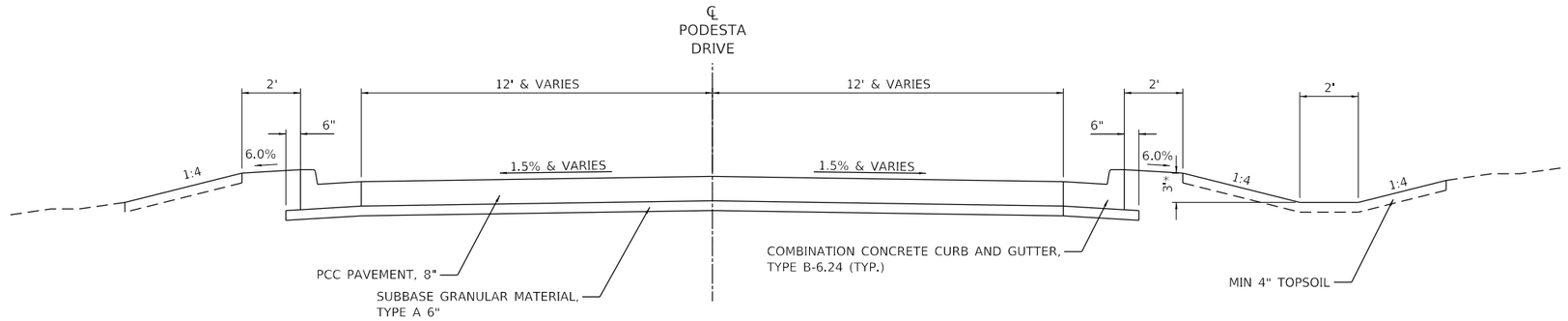
INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. | TO STA.

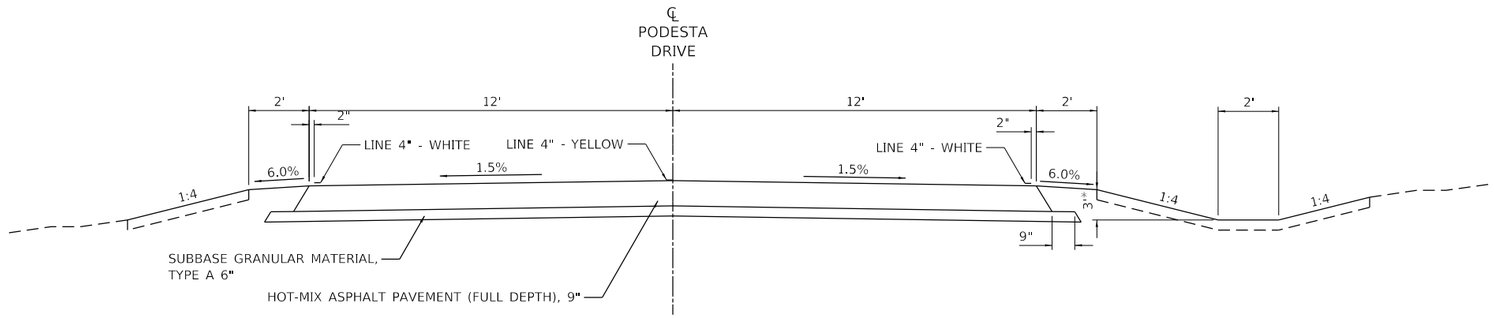
F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C1.0
		CDI #5169		
	ILLINOIS	FED. AID PROJECT		



PROPOSED TYPICAL SECTION

STA. 10+24.0 TO STA. 11+32.3
SEE PLANS FOR LIMITS OF CURB AND GUTTER

* DITCH DEPTH VARIES FROM STA. 10+54.8 TO STA. 11+87.9. SEE PROFILE AND CROSS SECTIONS.



PROPOSED TYPICAL SECTION

STA. 11+32.3 TO STA. 18+36.1

ALTERNATE BID - SUBSTITUTE 8" PCC PAVEMENT IN PLACE OF HMA PAVEMENT.

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TYPICAL SECTIONS
PODESTA DR.

SCALE: | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C2.0
		CDI #5169		
	ILLINOIS	FED. AID PROJECT		

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9/16/2025

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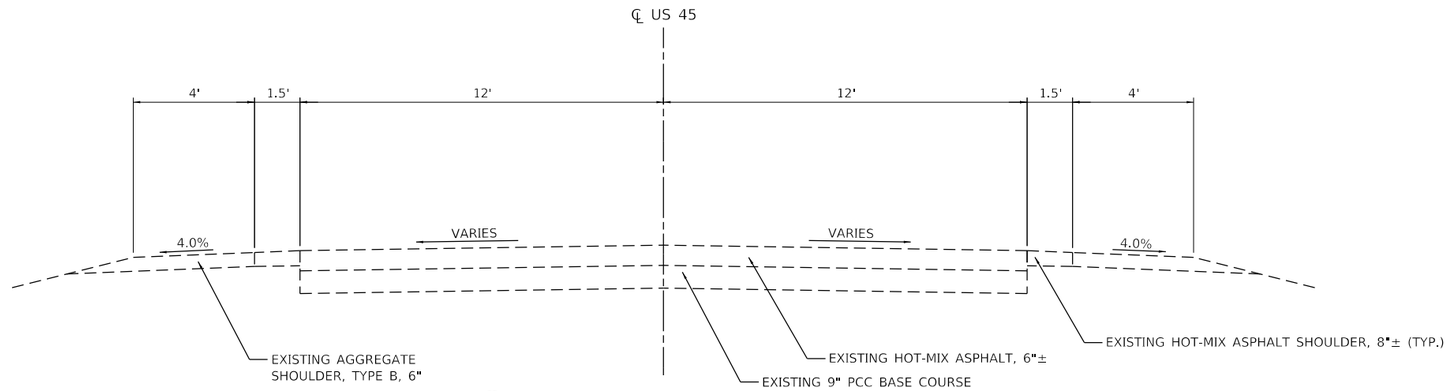
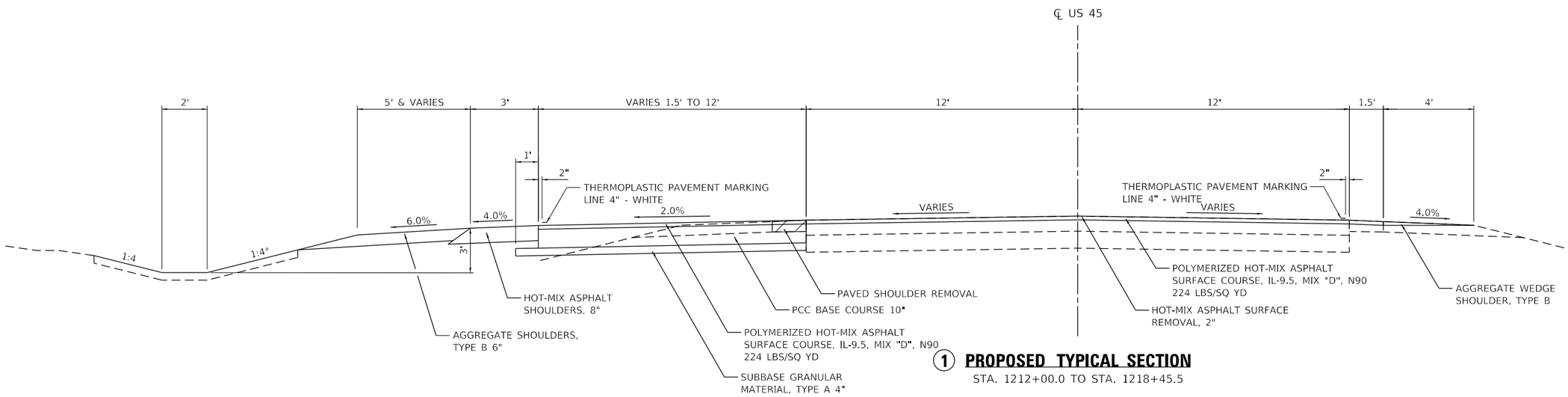


Ⓐ EXISTING TYPICAL SECTION

STA. 1212+00.0 TO STA. 1218+45.5



① PROPOSED TYPICAL SECTION

STA. 1212+00.0 TO STA. 1218+45.5

* FORESLOPES AND DITCH DEPTHS VARY FROM STA. 1212+00.0 TO STA. 1217+50.0. SEE PROFILE AND CROSS SECTIONS.

SEE PAVEMENT MARKING PLAN FOR PAVEMENT MARKING LOCATIONS

MODEL: Default
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STATE OF ILLINOIS
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TYPICAL SECTIONS
US 45

SCALE: | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C2.1
		CDI #5169		
	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER

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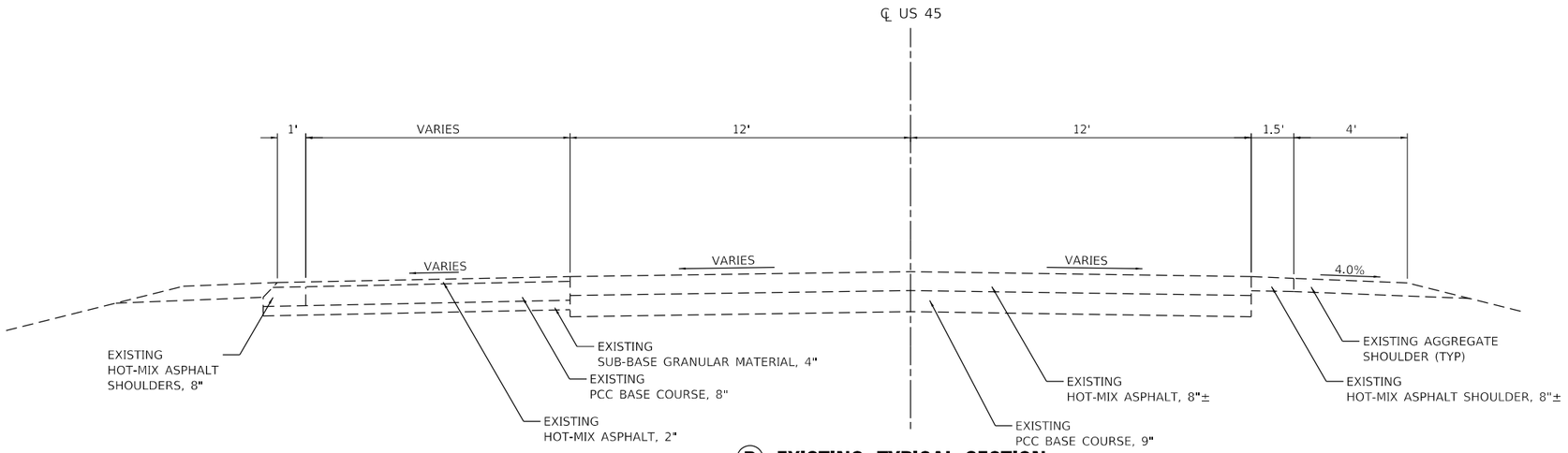
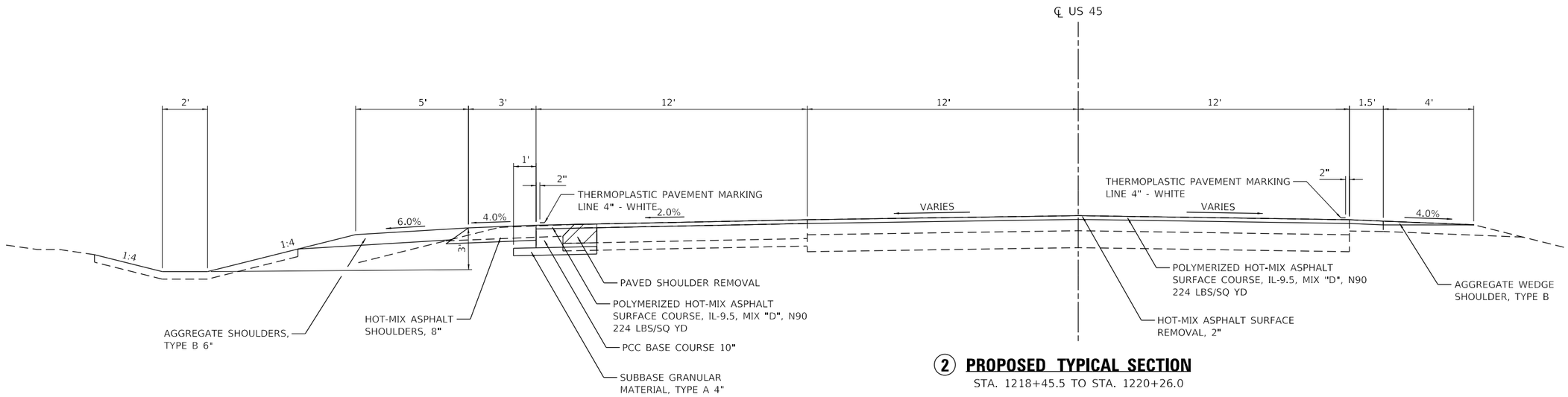
EXP:11/30/2005



(B) EXISTING TYPICAL SECTION

STA. 1218+45.5 TO STA. 1220+26.0



(2) PROPOSED TYPICAL SECTION

STA. 1218+45.5 TO STA. 1220+26.0

SEE PAVEMENT MARKING PLAN FOR PAVEMENT MARKING LOCATIONS

MODEL: Default
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PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
US 45

SCALE: | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C2.2
		CDI #5169		
	ILLINOIS	FED. AID PROJECT		

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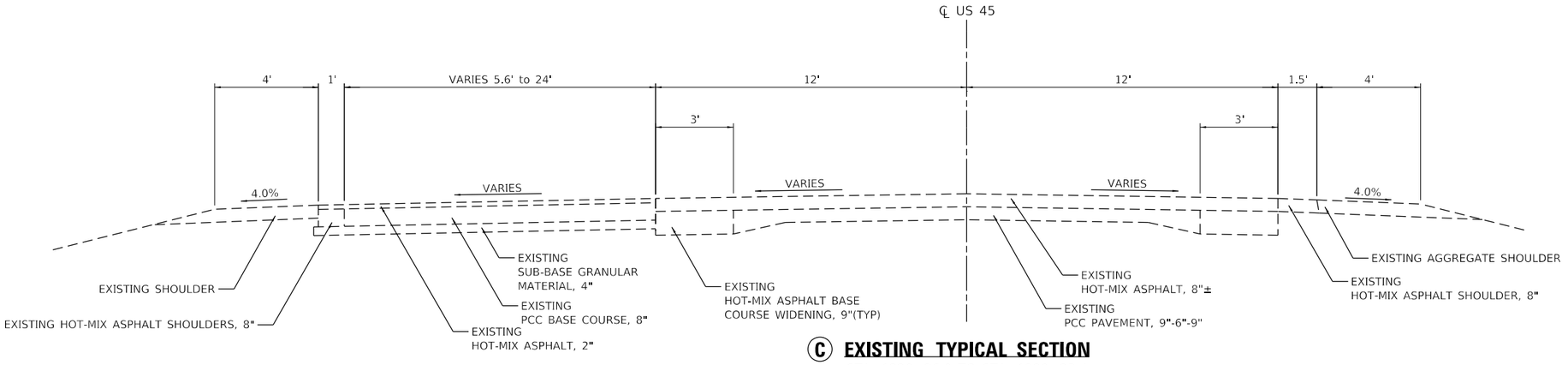
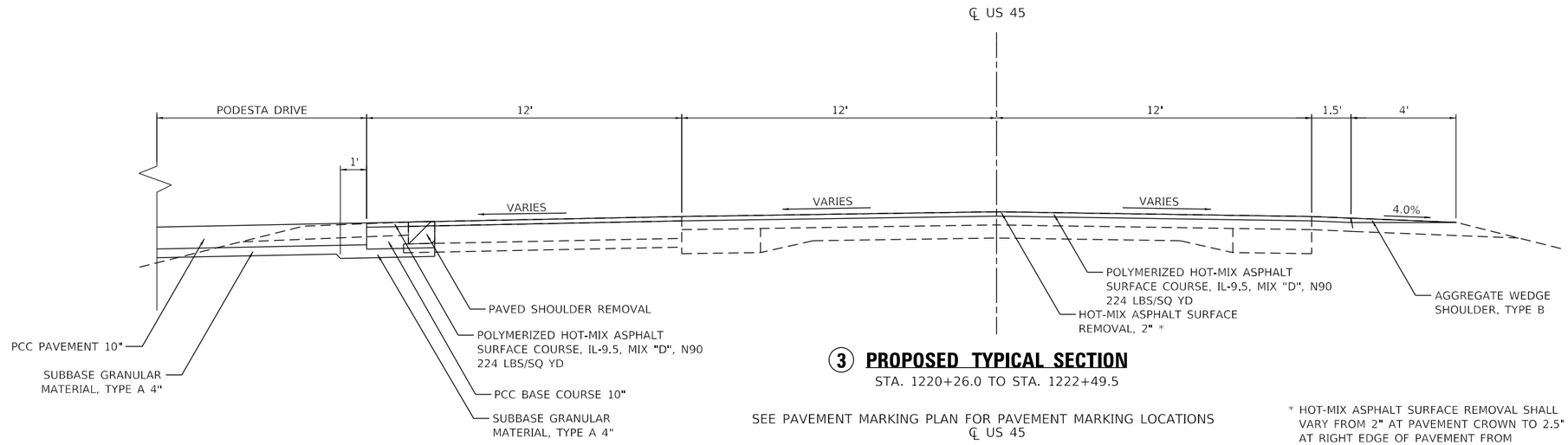


Ⓒ EXISTING TYPICAL SECTION

STA. 1220+26.0 TO STA. 1229+23.4

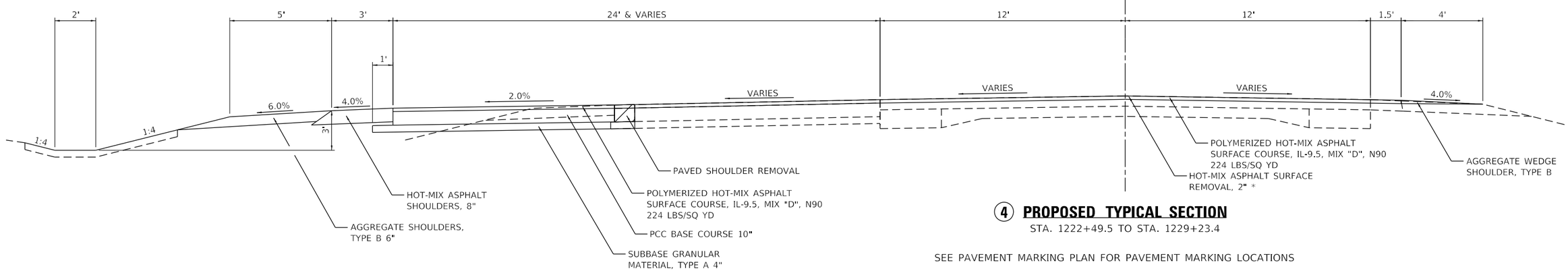


③ PROPOSED TYPICAL SECTION

STA. 1220+26.0 TO STA. 1222+49.5

SEE PAVEMENT MARKING PLAN FOR PAVEMENT MARKING LOCATIONS

* HOT-MIX ASPHALT SURFACE REMOVAL SHALL VARY FROM 2" AT PAVEMENT CROWN TO 2.5" AT RIGHT EDGE OF PAVEMENT FROM STATION 1221+00 TO 1229+00.



④ PROPOSED TYPICAL SECTION

STA. 1222+49.5 TO STA. 1229+23.4

SEE PAVEMENT MARKING PLAN FOR PAVEMENT MARKING LOCATIONS

MODEL: Default
FILE NAME: P:\SXXX\SXXX\SXXX\5169 - Lakeland College Landscape Masterplan\28-Trans\CAD\CAD Sheets\5169_Typical-Sections.dgn

CIVIL DESIGN, INC.
WBE / DBE
EFFINGHAM, IL
LICENSE #184.003222

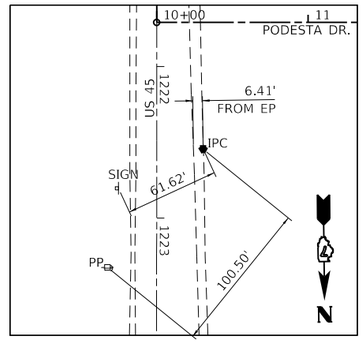
USER NAME = SBales	DESIGNED - RLH	REVISED -	
	DRAWN - DMM	REVISED -	
PLOT SCALE = 5.0000 ' / in.	CHECKED - RLH	REVISED -	
PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
US 45

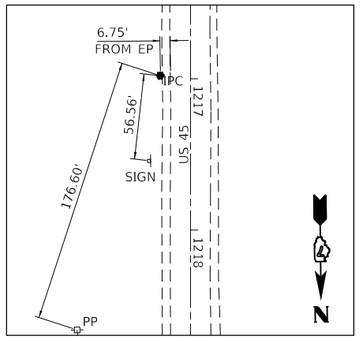
SCALE: | SHEET 4 OF 4 SHEETS | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C2.3
		CDI #5169		
	ILLINOIS	FED. AID PROJECT		



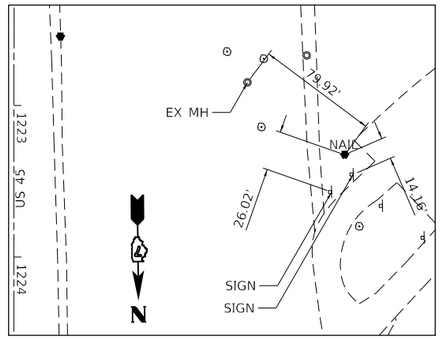
CONTROL POINT #103

IRON PIN WITH CAP
STA. 1222+54.49, 30.70' LT
N 1000810.4650
E 971645.4130
ELEV. 734.28



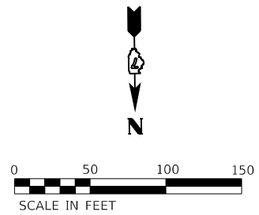
CONTROL POINT #104

IRON PIN WITH CAP
STA. 1216+98.08, 19.91' RT
N 1000253.5220
E 971689.4670
ELEV. 728.62



CONTROL POINT #109

NAIL
STA. 1223+32.48, 218.30' LT
N 1000890.5720
E 971458.4370
ELEV. 734.86

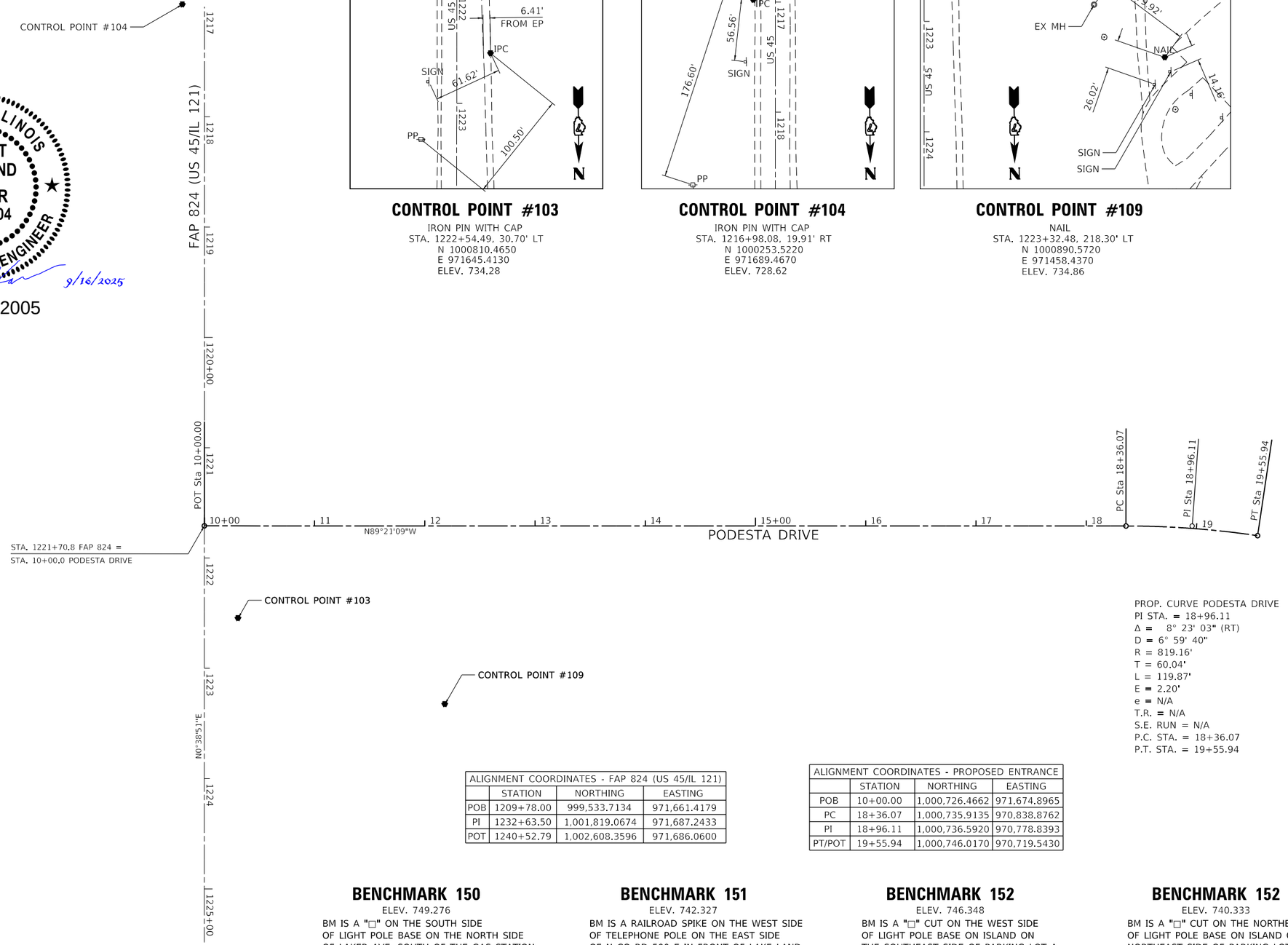


CONTROL POINT #104

STATE OF ILLINOIS
ROBERT
HANFLAND
NUMBER
062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005



PROP. CURVE PODESTA DRIVE
PI STA. = 18+96.11
Δ = 8° 23' 03" (RT)
D = 6° 59' 40"
R = 819.16'
T = 60.04'
L = 119.87'
E = 2.20'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 18+36.07
P.T. STA. = 19+55.94

ALIGNMENT COORDINATES - FAP 824 (US 45/IL 121)			
	STATION	NORTHING	EASTING
POB	1209+78.00	999,533.7134	971,661.4179
PI	1232+63.50	1,001,819.0674	971,687.2433
POT	1240+52.79	1,002,608.3596	971,686.0600

ALIGNMENT COORDINATES - PROPOSED ENTRANCE			
	STATION	NORTHING	EASTING
POB	10+00.00	1,000,726.4662	971,674.8965
PC	18+36.07	1,000,735.9135	970,838.8762
PI	18+96.11	1,000,736.5920	970,778.8393
PT/POT	19+55.94	1,000,746.0170	970,719.5430

BENCHMARK 150

ELEV. 749.276
BM IS A "□" ON THE SOUTH SIDE OF LIGHT POLE BASE ON THE NORTH SIDE OF LAKER AVE. SOUTH OF THE GAS STATION

BENCHMARK 151

ELEV. 742.327
BM IS A RAILROAD SPIKE ON THE WEST SIDE OF TELEPHONE POLE ON THE EAST SIDE OF N CO RD 500 E IN FRONT OF LAKE LAND COLLEGE MAIN ENTRANCE

BENCHMARK 152

ELEV. 746.348
BM IS A "□" CUT ON THE WEST SIDE OF LIGHT POLE BASE ON ISLAND ON THE SOUTHEAST SIDE OF PARKING LOT A

BENCHMARK 152

ELEV. 740.333
BM IS A "□" CUT ON THE NORTHEAST SIDE OF LIGHT POLE BASE ON ISLAND ON THE NORTHEAST SIDE OF PARKING LOT F

MODEL: Default
FILE NAME: P:\SXXXSXXSXX-51XX\5169 - Lakeland College Landscape Master\Plan\28-Trans\CAD\CAD Sheets\5169_SH-ATB.dgn

CIVIL DESIGN, INC.
WBE / DBE
EFFINGHAM, IL
LICENSE #184.003222

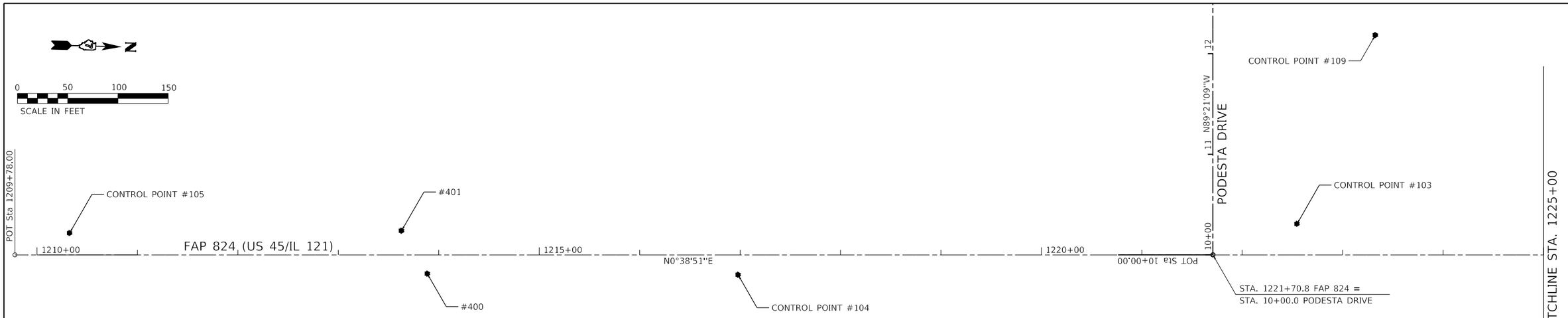
USER NAME = SBales		DESIGNED - RLH	REVISED -	
		DRAWN - DMM	REVISED -	
PLOT SCALE = 100.0000 ' / in.		CHECKED - RLH	REVISED -	
PLOT DATE = 9/18/2025		DATE - 8-20-2024	REVISED -	

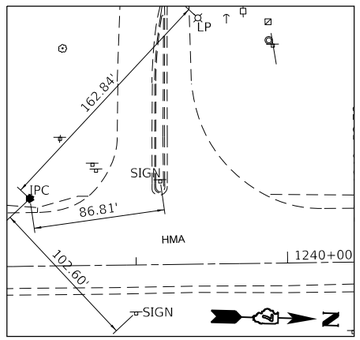
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, & BENCHMARKS
PROPOSED ALIGNMENTS

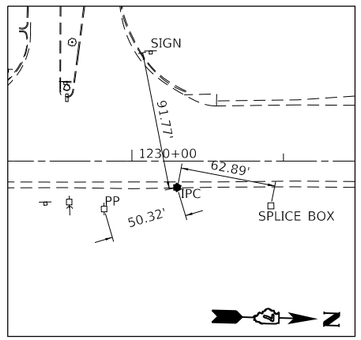
SCALE: 1"=50' | SHEET 1 OF 2 SHEETS | STA. 10+00.0 | TO STA. 19+55.9

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C3.0
CDI #5169				
ILLINOIS	FED. AID PROJECT			

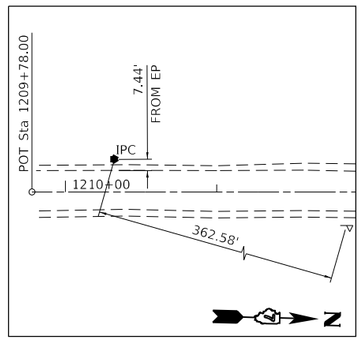




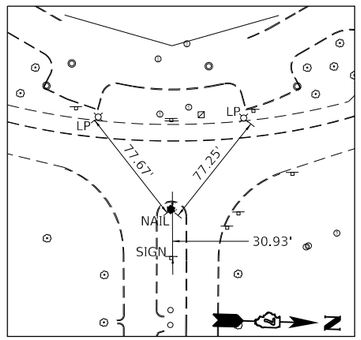
CONTROL POINT #100
IRON PIN WITH CAP
STA. 1238+30.43, 44.59' LT
N 1002385.93
E 971641.805
ELEV. 745.80



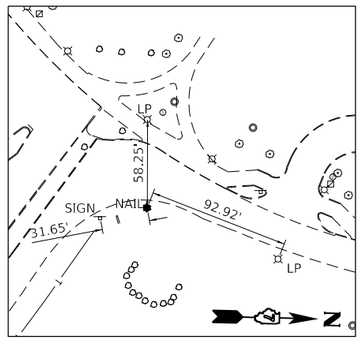
CONTROL POINT #102
IRON PIN WITH CAP
STA. 1230+29.90, 17.55' LT
N 1001585.287
E 971702.153
ELEV. 742.365



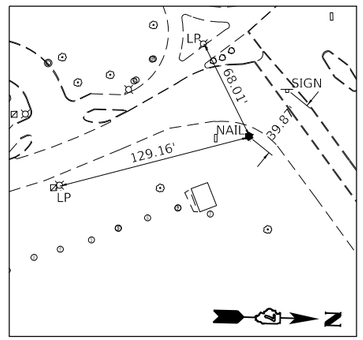
CONTROL POINT #105
IRON PIN WITH CAP
STA. 1210+32.40, 21.54' LT
N 999588.351
E 971640.497
ELEV. 722.55



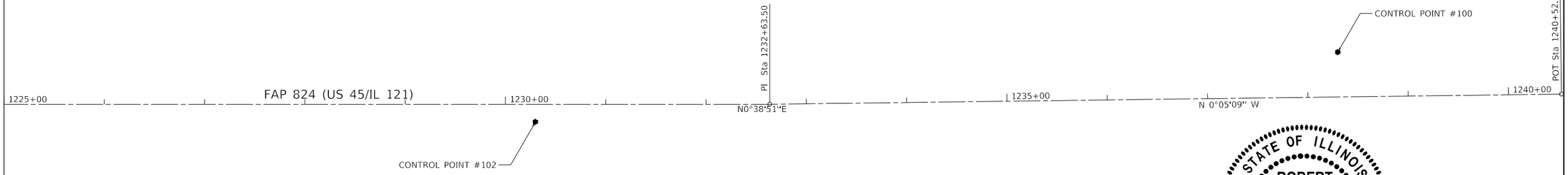
CONTROL POINT #106
NAIL
STA. 1229+62.76, 347.71' LT
N 1001522.271
E 971336.158
ELEV. 744.07



CONTROL POINT #107
NAIL
STA. 1227+05.73, 429.95' LT
N 1001266.193
E 9712521.019
ELEV. 741.315



CONTROL POINT #108
NAIL
STA. 1232+50.93, 426.94' LT
N 1001811.326
E 971260.192
ELEV. 741.692



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

MODEL: Default
FILE NAME: P:\5XX\5005X\5169 - Lakeland College Landscape Masterplan\28-Trans\CAD\CAD Sheets\5169_Sht-ATB1.dgn

CIVIL DESIGN, INC.
WBE / DBE
EFFINGHAM, IL
LICENSE #184.003222

USER NAME = SBales	DESIGNED - RLH	REVISED -	
	DRAWN - DMM	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - RLH	REVISED -	
PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENTS, TIES, & BENCHMARKS
PROPOSED ALIGNMENTS

SCALE: 1"=50' | SHEET 2 OF 2 SHEETS | STA. 1209+78.0 | TO STA. 1240+52.79

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C3.1
	CDI #5169			
	ILLINOIS FED. AID PROJECT			

2-CENTERED CURVE
90'-620'
10' O/S

COMB CC&G TM6.24

COMB CC&G TM6.06

COMB CC&G TB6.24

R 90'

EX ROW

+24

+32

12'

10+00

11

12

13

14

15+00

RAMPED NOSES

FAP 824
(US 45/ IL 121)

R 490'

R 50'

CLASS SI
CONCRETE
(OUTLET),
SPECIAL, TYP.

COMB CC&G
TB6.24

2-CENTERED CURVE
50'-490'
13' O/S

CPT #103

BEGIN CONCRETE PAVEMENT
STA. 10+24.0

132'

MANHOLE TO BE
RECONSTRUCTED WITH
NEW TYPE 1 FRAME AND
CLOSED LID.
STA. 12+19.5, 7.0' RT
EX RIM = 731.77
PR RIM = 731.90

+06

P CUL CL A1 24
WITH 2 PRC FLAR END SEC 24
STA = 12+50.9
O/S = 26.0' RT
USFL = 728.63
STA = 12+99.6
O/S = 29.5 LT
DSFL = 727.92

24'

12'

12'

PODESTA DRIVE

3' STANDARD DITCH

MATCHLINE STA. 15+50

EXISTING TRUCK
TRAINING LOT

N

0 20 40 60

SCALE IN FEET

734.42

VPI STA. 10+07.39

ELEVATION 734.49

+0.94%

-2.00%

-2.00%

-1.07%

VPI STA. 10+50.00

ELEVATION 733.64

731.15

+61.45

EL. 731.23

+70.98

EL. 731.27

+86.34

EL. 731.32

+0.32%

+0.31%

+0.31%

+0.31%

+0.30%

+0.30%

+52.62

EL. 731.52

+65.90

EL. 731.56

731.63

+70.00 EL. 732.36

160.00' V.C.

+30.00 EL. 732.37

PROPOSED PODESTA DRIVE PROFILE

-1.07%

+1.09%

VPI STA. 12+50.00

ELEVATION 731.50

EXISTING GROUND

PROP 24" PIPE CULVERT

P CUL CL A1 24"

+57.07

EL. 731.20

+65.56

EL. 731.25

+76.09

EL. 731.28

+03.21

EL. 731.37

+33.60

EL. 731.46

RIGHT DITCH PROFILE
PLOTTED 3' BELOW DATUM

738
736
734
732
730
728
726
724
722

734.42

731.80
733.64

732.74
733.11

732.65
732.57

731.83
732.10

728.99
731.93

730.42
732.11

732.21
732.59

731.74
733.14

732.26
733.68

732.81
734.23

734.24
734.77

10+00 10+50 11+00 11+50 12+00 12+50 13+00 13+50 14+00 14+50 15+00 15+50

STATE OF ILLINOIS
ROBERT
HANFLAND
NUMBER
062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

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

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

MODEL: Default
FILE NAME: P:\SXXX\50XX~51XX\5169 - Lakeland College Landscape Masterplan\28-Trans\CAD\CAD_Sheets\5169_Plan Sheet LLC Entrance_Sheet 1.dgn

CDI
CIVIL DESIGN,INC.
WBE | DBE
EFFINGHAM, IL
LICENSE #184.003222

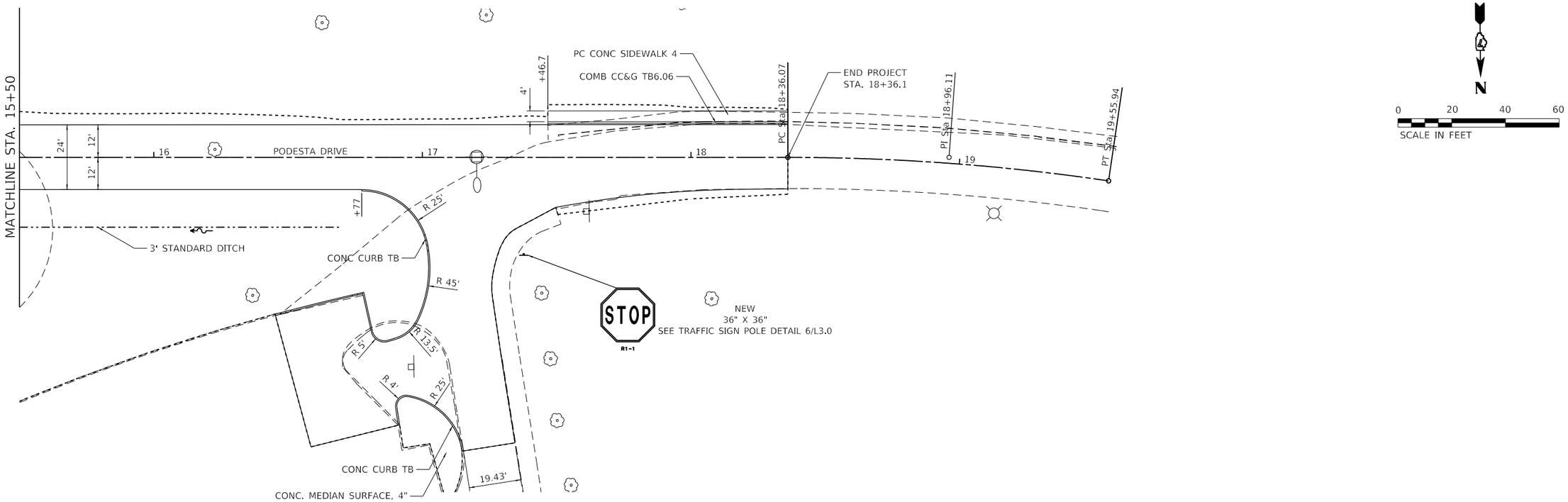
USER NAME = SBales	DESIGNED - DMM	REVISED -	
	DRAWN - DMM	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - RLH	REVISED -	
PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -	

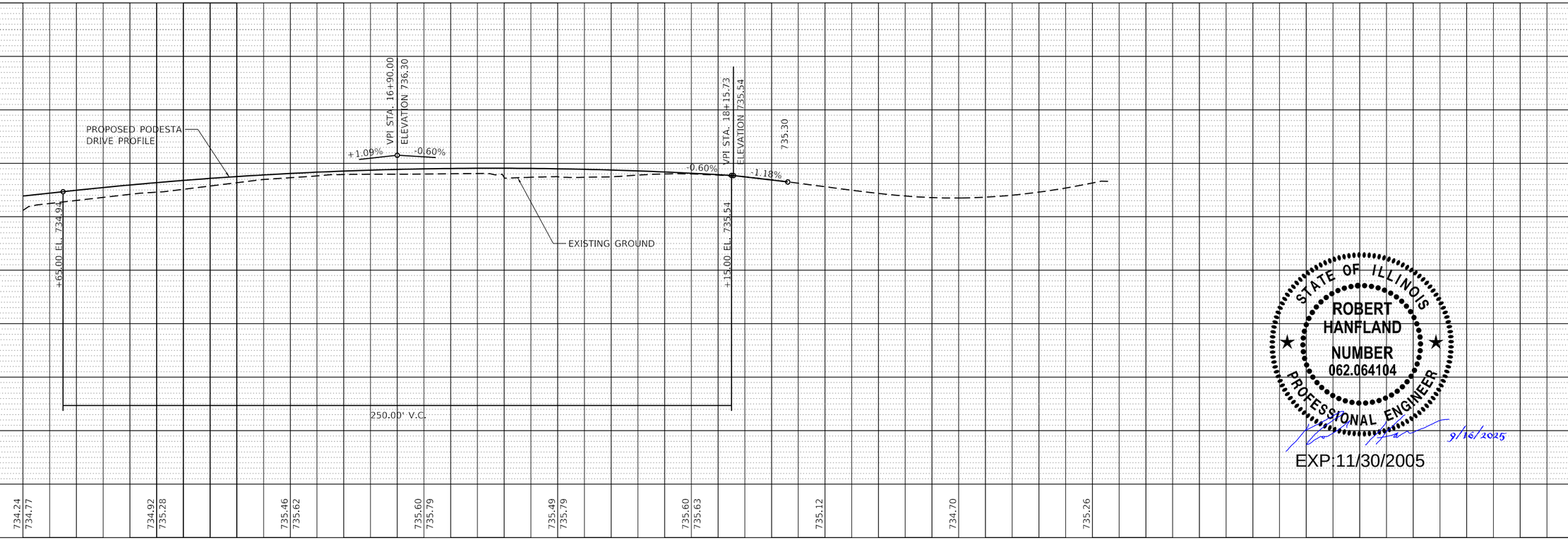
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
PODESTA DRIVE

SCALE: 1"=20' | SHEET 1 OF 6 SHEETS | STA. 10+00.0 | TO STA. 15+50.0

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C4.0
		CDI #5169		
		ILLINOIS	FED. AID PROJECT	





STATE OF ILLINOIS
ROBERT
HANFLAND
NUMBER
062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

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

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

MODEL: Default
FILE NAME: P:\5X\5X60X\5X60X-51X\S169 - Lakeland College Landscape Masterplan\2b-Trans\CAD\CAD_Sheets\S169_Plan Sheet LLC Entrance_Sheet 2.dgn

CDI
CIVIL DESIGN, INC.
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USER NAME = SBales	DESIGNED - DMM	REVISED -
	DRAWN - DMM	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - RLH	REVISED -
PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

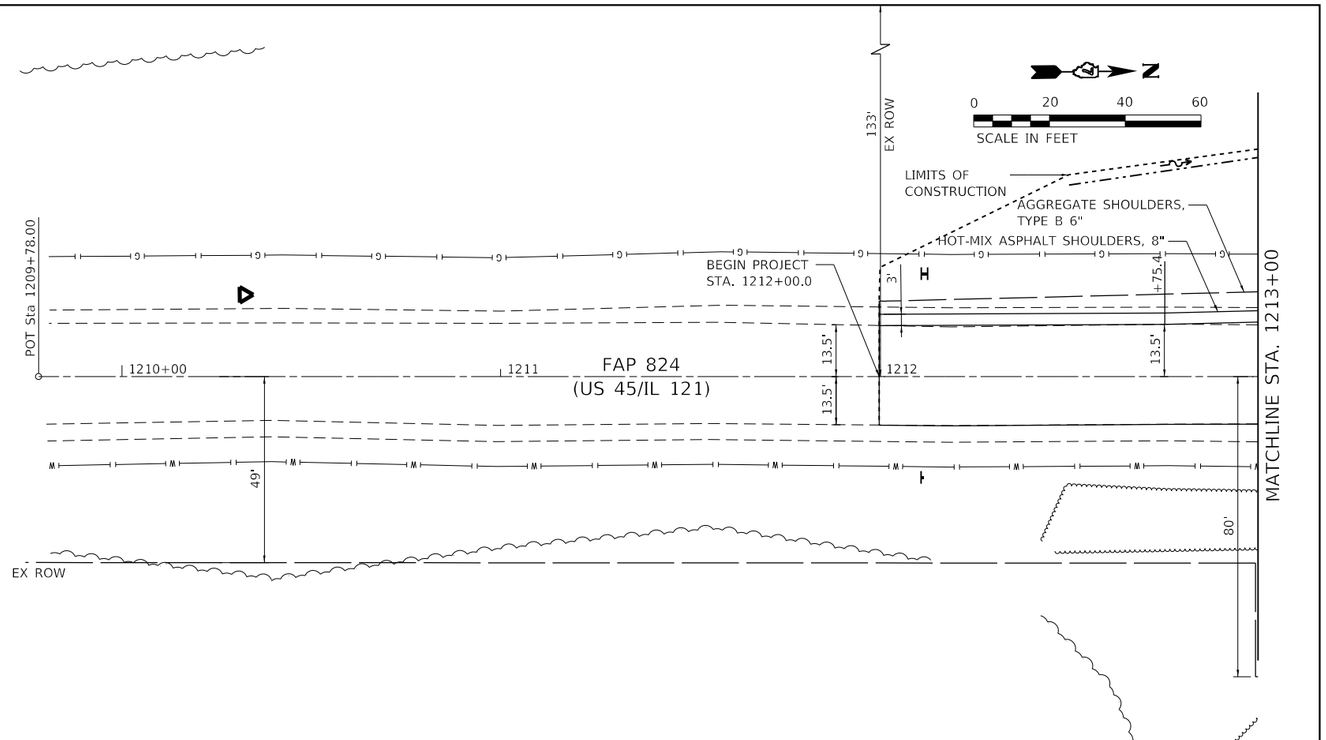
PLAN AND PROFILE
PODESTA DRIVE

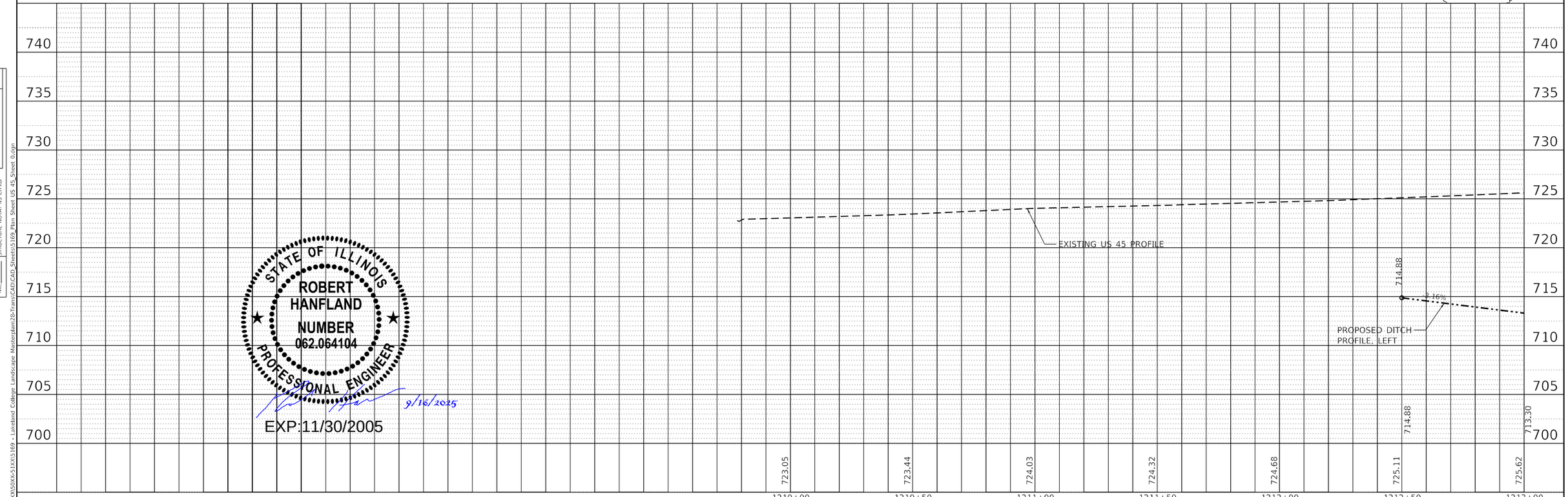
SCALE: 1"=20' | SHEET 2 OF 6 SHEETS | STA. 15+50.0 | TO STA. 18+36.1

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C4.1
		CDI #5169		
	ILLINOIS	FED. AID PROJECT		

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

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





STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

MODEL: Default
FILE NAME: P:\SXXX\50XX\51XX\5169 - Lakeland College Landscape Master\plan\28-Trans\CAD\CAD_Sheets\5169_Plan Sheet US 45_Sheet 0.dgn

CDI
CIVIL DESIGN, INC.
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PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
US 45

SCALE: 1"=20' | SHEET 3 OF 6 SHEETS | STA. 1209+78.0 | TO STA. 1213+00.0

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C4.2
		CDI #5169		
		ILLINOIS	FED. AID PROJECT	

STA. 1213+77.0
O/S 104.6' LT

STA. 1213+16.9
O/S 70.1' LT

188' EX ROW

STONE RIPRAP,
CLASS A5

STA. 1213+28.6
O/S 72.4' LT

SEE STRUCTURE PLANS

10'-3" CHIDE BARREL

EX PAVED DITCH,
TO BE REMOVED

LIMITS OF CONSTRUCTION

AGGREGATE SHOULDERS, TYPE B 6"

HOT-MIX ASPHALT SHOULDERS, 8"

3' STANDARD DITCH

MATCHLINE STA. 1213+00

MATCHLINE STA. 1219+00

1213 | 1214 | 1215+00 | 1216 | 1217 | 1218

FAP 824
(US 45/IL 121)

2+85.7

24'

13.5

60'

EX ROW

EX ROW

N

0 20 40 60
SCALE IN FEET

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

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

740
735
730
725
720
715
710
705
700

EXISTING US 45 PROFILE

3.16%
+16.86
EL. 712.77
-9.22%
+31.94
EL. 711.38
-20.31%
703.59

PROPOSED DITCH
PROFILE, LEFT

713.30
707.71

725.62 | 726.11 | 726.56 | 727.05 | 727.55 | 728.08 | 728.68 | 729.08 | 729.58 | 730.07 | 730.63 | 731.24 | 731.78

1213+00 | 1213+50 | 1214+00 | 1214+50 | 1215+00 | 1215+50 | 1216+00 | 1216+50 | 1217+00 | 1217+50 | 1218+00 | 1218+50 | 1219+00

STATE OF ILLINOIS
ROBERT
HANFLAND
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9/16/2025

EXP:11/30/2005

MODEL: Default
FILE NAME: P:\5XX\X5\0X\X5\1XX\5169 - Lakeland College Landscape Master\plan\28-Trans\CAD\CAD_Sheets\5169_Plan Sheet US 45_Sheet 1.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
US 45

SCALE: 1"=20' | SHEET 4 OF 6 SHEETS | STA. 1213+00.0 | TO STA. 1219+00.0

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C4.3
		CDI #5169		
	ILLINOIS FED. AID PROJECT			

EX ROW

COMB CC&G TB6.24

R 490'

COMB CC&G TB6.24

P CUL CL A1 24
WITH 2 PRC FLAR END SEC 24
STA = 1222+50.00
O/S = 54.8' LT
USFL = 731.34
STA = 1221+00.00
O/S = 57.5' LT
DSFL = 730.08

STA. = 1222+01.4
O/S = 72.4' LT

PODESTA DRIVE

LIMITS OF CONSTRUCTION

EX ROW

N

0 20 40 60

SCALE IN FEET

COMB CC&G TM6.06

3' STANDARD DITCH

AGGREGATE SHOULDERS, TYPE B 6"

HOT-MIX ASPHALT SHOULDERS, 8"

R 620'

R 90'

R 50'

STA. = 1219+66.5
O/S = 24' LT

STA. = 1220+86.2
O/S = 35.6' LT

COMB CC&G TM6.24

STA. = 1222+49.51
O/S = 36' LT

AGGREGATE SHOULDERS, TYPE B 6"

HOT-MIX ASPHALT SHOULDERS, 8"

3' STANDARD DITCH

132'

132'

MATCHLINE STA. 1219+00

MATCHLINE STA. 1225+00

STA. = 1220+01.7
O/S = 24' LT

STA. = 1220+49.2
O/S = 29.5' LT

STA. = 1222+25.7
O/S = 42.0' LT

24'

36'

10'

10'

1219 | 1220+00 | 1221 | POT Sta 10+00.00 | 1222 | 1223 | 1224

FAP 824
(US 45/IL 121)

13.5'

14'

27.8 F.F.

12" CMP

60'

STA. 1221+70.83 US 45 =
STA. 10+00.00 PODESTA DRIVE

EX ROW

EX ROW

EXISTING US 45 PROFILE

| | | |

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

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

MODEL: Default
FILE NAME: P:\SX\X50\X51\X5169 - Lakeland College Landscape Masterplan\2b-Trans\CAD\CAD_Sheets\5169_Plan Sheet US 45_Sheet 3.dgn

MATCHLINE STA. 1225+00

AGGREGATE SHOULDERS, TYPE B 6"
HOT-MIX ASPHALT SHOULDERS, 8"
3' STANDARD DITCH
LIMITS OF CONSTRUCTION
EX ROW
132'
+88.9
13.5'
60'
14'
+82
FAP 824
(US 45/IL 121)
1225+00
1226
1227
1228
1229
1230+00
END PROJECT
STA 1229+23.4
EX ROW
EX ROW
0 20 40 60
SCALE IN FEET

EXISTING US 45 PROFILE

745
740
735
730
725
720
715
710
705

736.58 737.01 737.53 738.13 738.75 739.32 739.91 740.52 741.11 741.61 742.27 742.87 743.39

1225+00 1225+50 1226+00 1226+50 1227+00 1227+50 1228+00 1228+50 1229+00 1229+50 1230+00 1230+50 1231+00

STATE OF ILLINOIS
ROBERT
HANFLAND
NUMBER
062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

CIVIL DESIGN, INC.
WBE | DBE
EFFINGHAM, IL
LICENSE #184.003222

USER NAME = SBales	DESIGNED - DMM	REVISED -
	DRAWN - DMM	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - RLH	REVISED -
PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
US 45

SCALE: 1"=20' | SHEET 6 OF 6 SHEETS | STA. 1225+00.0 | TO STA. 1231+00.0

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C4.5
		CDI #5169		
		ILLINOIS	FED. AID PROJECT	

0 20 40 60

SCALE IN FEET

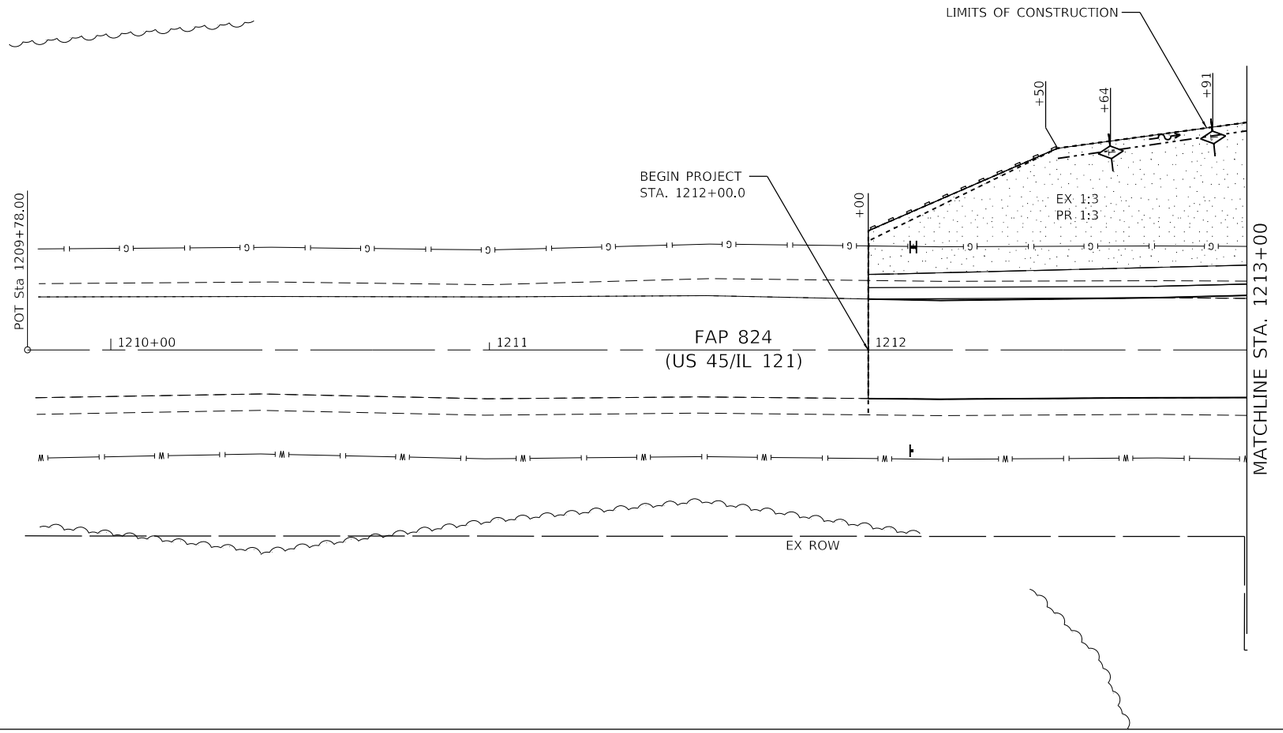
LEGEND

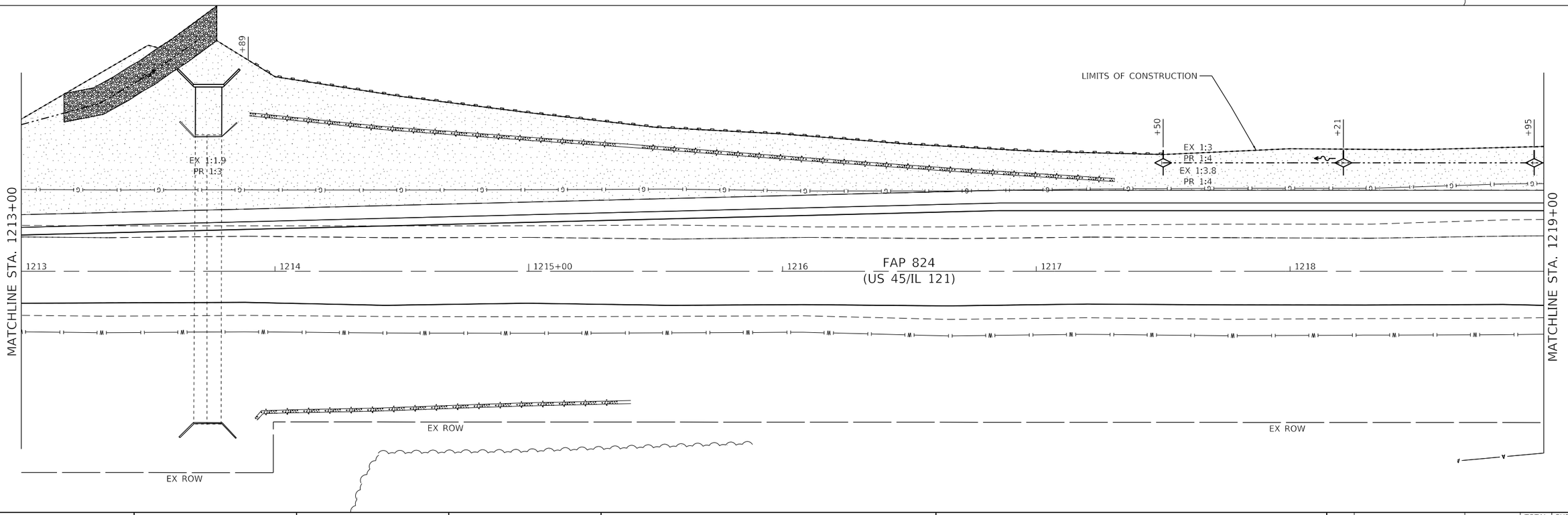
- INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK (2 FT HEIGHT)
- SEEDING, CLASS 2
- SEEDING, CLASS 1

STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005





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CIVIL DESIGN, INC.
WBE / DBE
EFFINGHAM, IL
LICENSE #184.003222

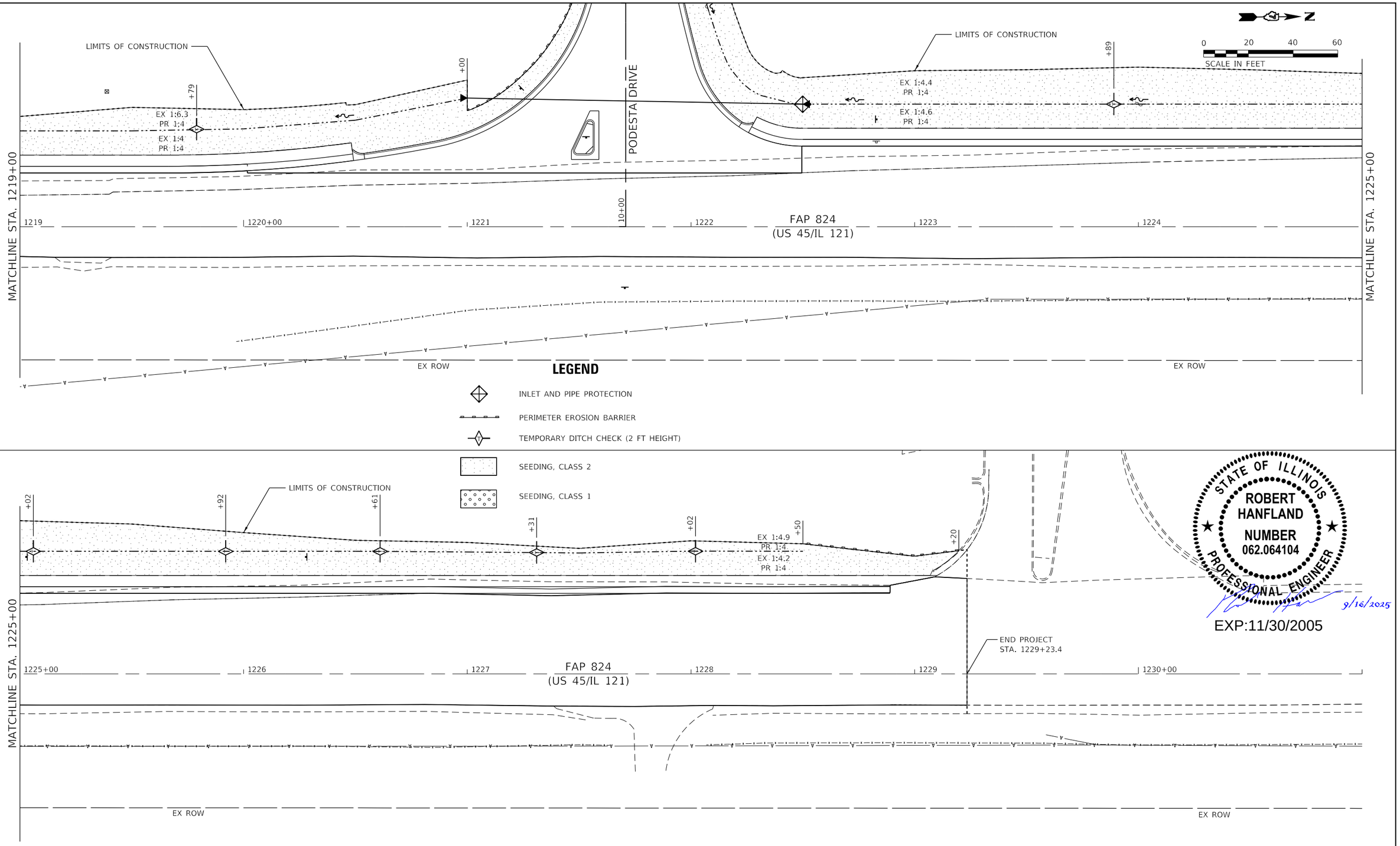
USER NAME = SBales	DESIGNED - RLH	REVISED -
	DRAWN - DMM	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - RLH	REVISED -
PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
US 45

SCALE: 1"=20' | SHEET 1 OF 3 SHEETS | STA. 1209+78.0 TO STA. 1219+00.0

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C5.0
		CDI #5169		
		ILLINOIS	FED. AID PROJECT	



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

MODEL: Default
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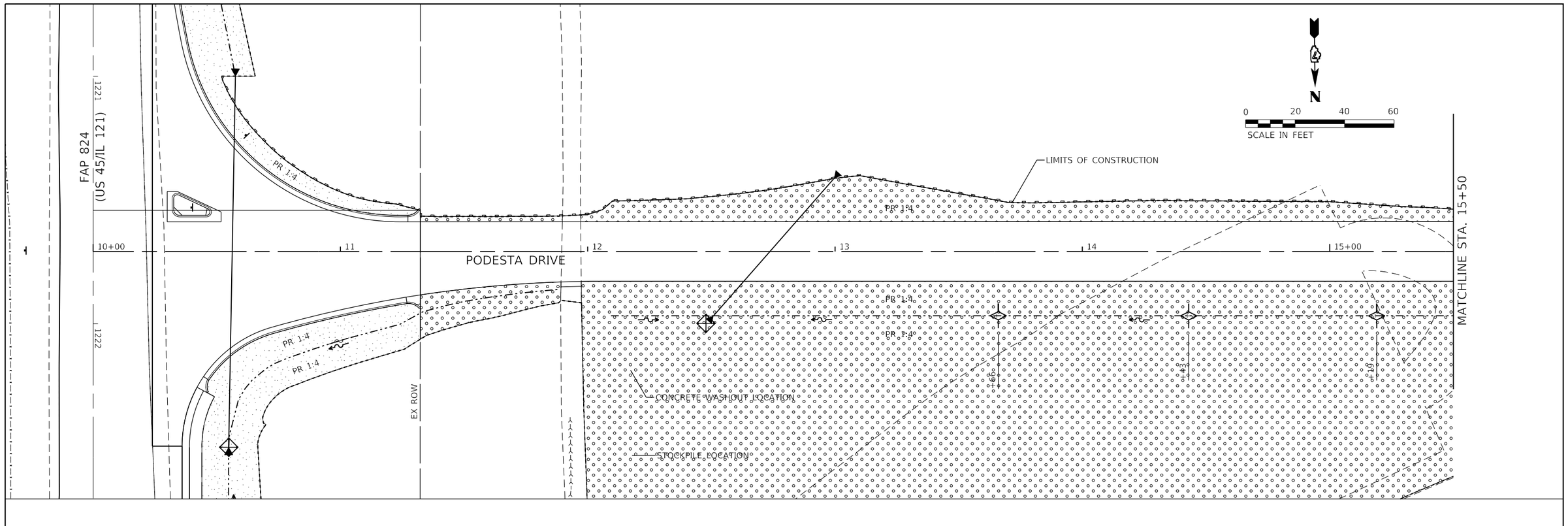
CIVIL DESIGN, INC. WBE / DBE EFFINGHAM, IL LICENSE #184.003222	USER NAME = SBales	DESIGNED - RLH	REVISED -
		DRAWN - DMM	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - RLH	REVISED -
	PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

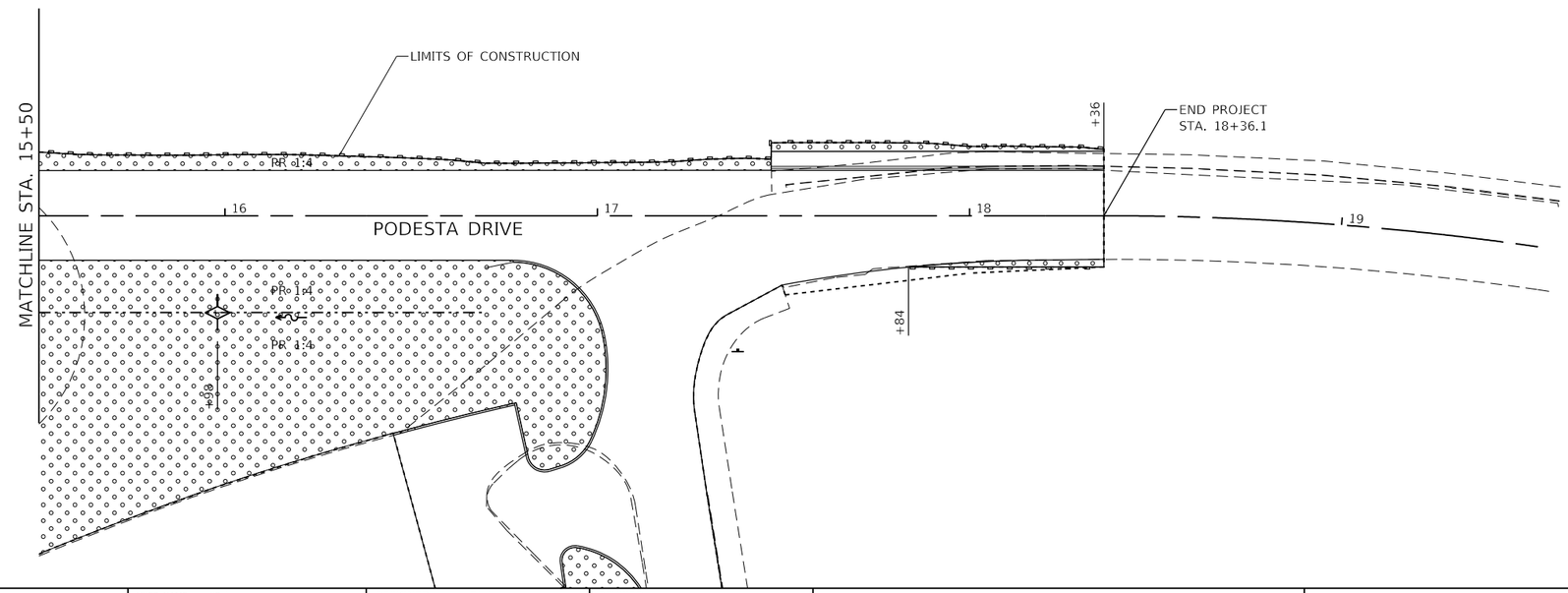
EROSION CONTROL
US 45

SCALE: 1"=20' | SHEET 2 OF 3 SHEETS | STA. 1219+00.0 TO STA. 1229+23.4

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C5.1
		CDI #5169		
		ILLINOIS	FED. AID PROJECT	



PR 4:1



LEGEND

- INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK (2 FT HEIGHT)
- SEEDING, CLASS 2
- SEEDING, CLASS 1

STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

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CIVIL DESIGN, INC.
WBE | DBE
EFFINGHAM, IL
LICENSE #184.003222

USER NAME = SBales	DESIGNED - RLH	REVISED -
	DRAWN - DMM	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - RLH	REVISED -
PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
PODESTA DRIVE

SCALE: 1"=20' | SHEET 3 OF 3 SHEETS | STA. 10+00.0 TO STA. 18+36.1

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C5.2
		CDI #5169		
		ILLINOIS	FED. AID PROJECT	

0 20 40 60

SCALE IN FEET

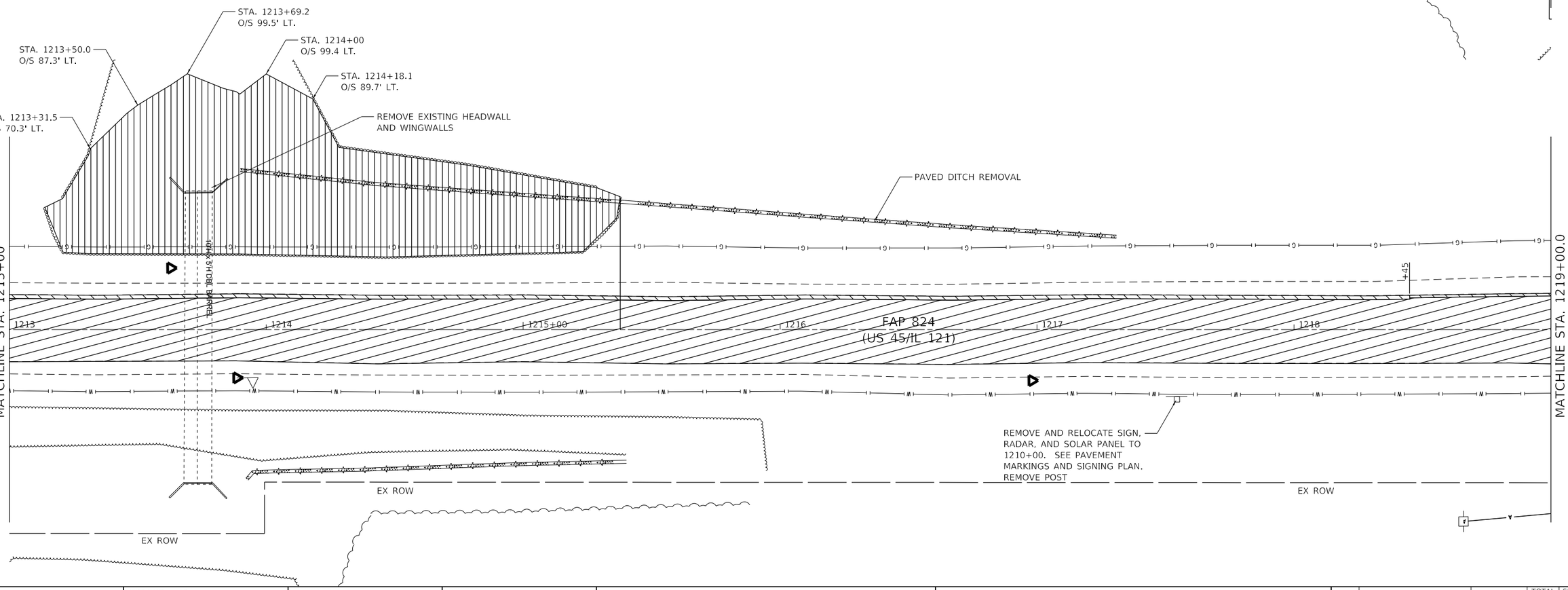
REMOVAL LEGEND

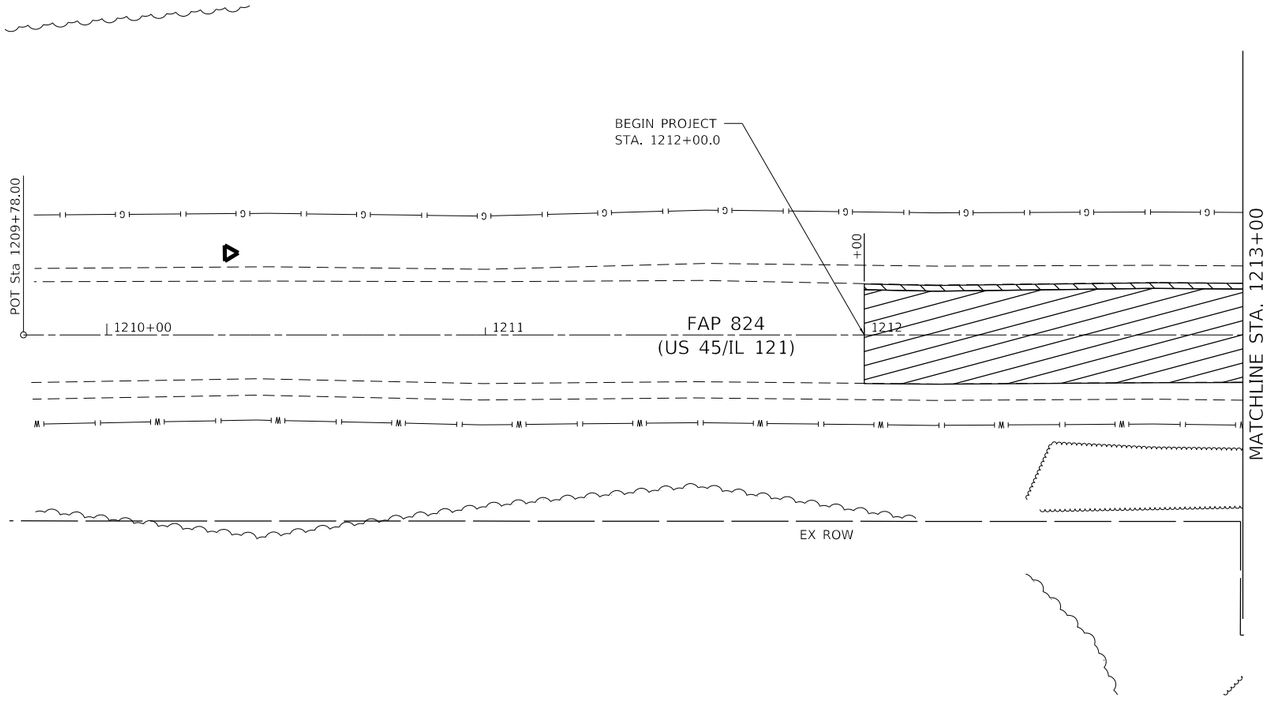
- PAVED SHOULDER REMOVAL
- HMA SURFACE REMOVAL, 2"
- CONCRETE MEDIAN REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL
- TREE REMOVAL, ACRES
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)

STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005





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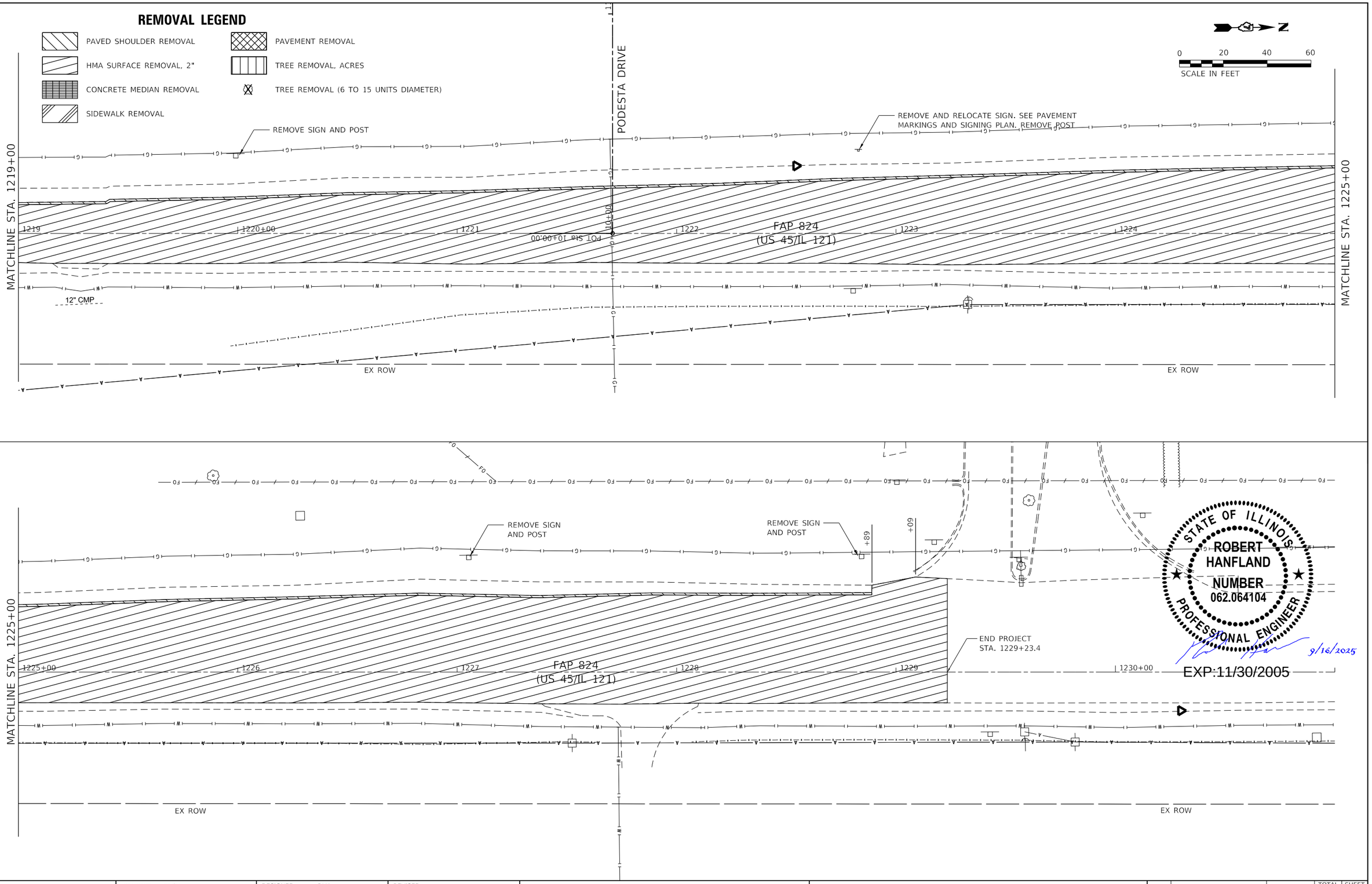
CIVIL DESIGN, INC. WBE / DBE EFFINGHAM, IL LICENSE #184.003222	USER NAME = SBales	DESIGNED - RLH	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**	**REMOVAL PLAN** **US 45**
		DRAWN - DMM	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED - RLH	REVISED -		SCALE: 1"=20' | SHEET 1 OF 3 SHEETS | STA. 1209+78.0 TO STA. 1214+00.0
	PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -		

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C6.0
		CDI #5169		
	ILLINOIS	FED. AID PROJECT		

REMOVAL LEGEND

- PAVED SHOULDER REMOVAL
- HMA SURFACE REMOVAL, 2"
- CONCRETE MEDIAN REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL
- TREE REMOVAL, ACRES
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

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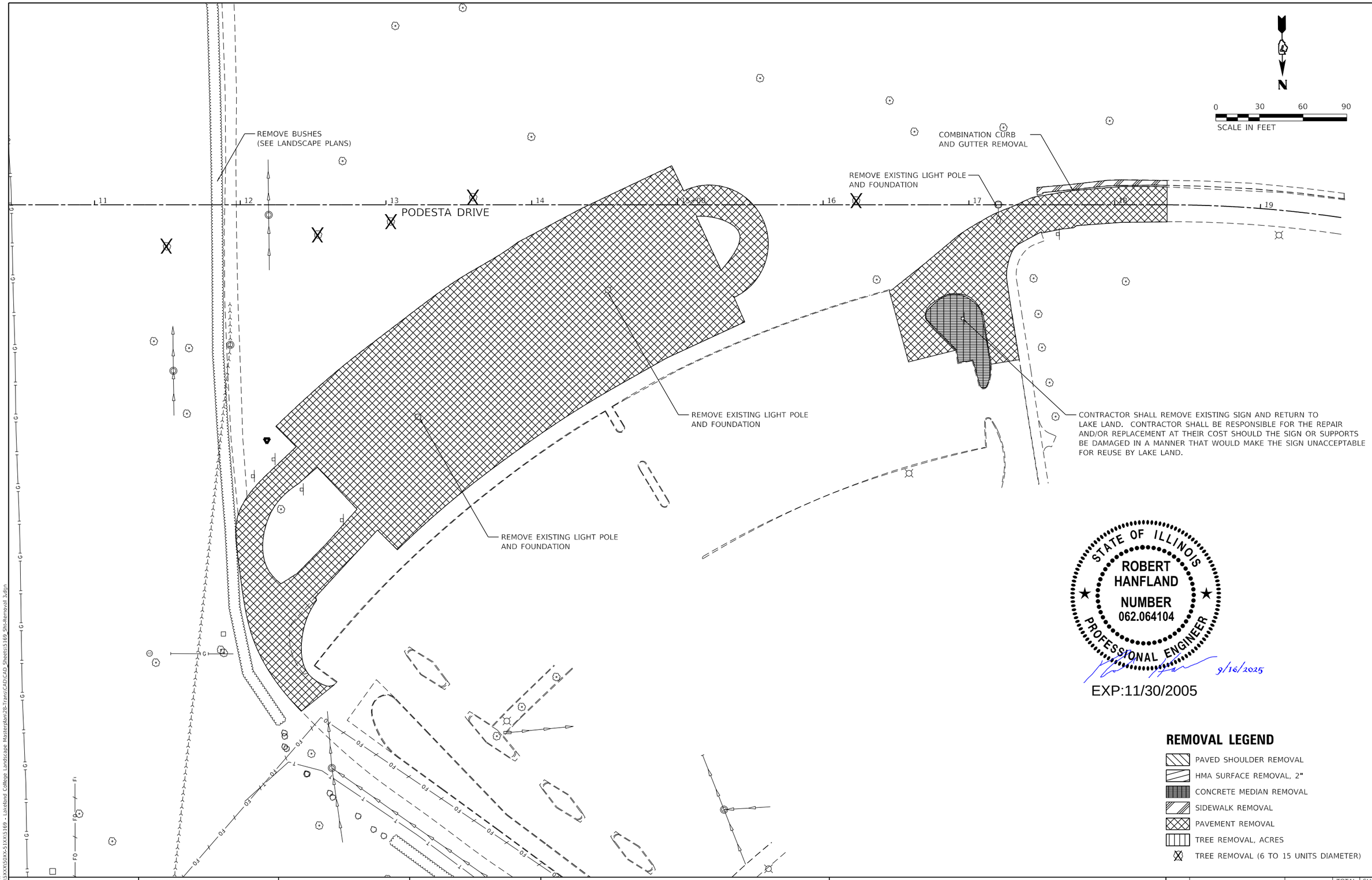
CDI CIVIL DESIGN, INC. WBE / DBE EFFINGHAM, IL LICENSE #184.003222	USER NAME = SBales	DESIGNED - RLH	REVISED -
		DRAWN - DMM	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - RLH	REVISED -
	PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
US 45

SCALE: 1"=20' | SHEET 2 OF 3 SHEETS | STA. 1219+50.0 | TO STA. 1225+50.0

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C6.1
		CDI #5169		
		ILLINOIS	FED. AID PROJECT	



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

REMOVAL LEGEND

- PAVED SHOULDER REMOVAL
- HMA SURFACE REMOVAL, 2"
- CONCRETE MEDIAN REMOVAL
- SIDEWALK REMOVAL
- PAVEMENT REMOVAL
- TREE REMOVAL, ACRES
- TREE REMOVAL (6 TO 15 UNITS DIAMETER)

MODEL: Default
FILE NAME: P:\SXXX\50XX\51XX\5169 - Lakeland College Landscape Master\Plan\2B-Trans\CAD\CAD Sheets\5169_Sht-Removal 3.dgn

CIVIL DESIGN, INC.
WBE | DBE
EFFINGHAM, IL
LICENSE #184.003222

USER NAME = SBales	DESIGNED - RLH	REVISED -	
	DRAWN - DMM	REVISED -	
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PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
PODESTA DRIVE

SCALE: 1"=30' | SHEET 3 OF 3 SHEETS | STA. 10+41.0 | TO STA. 19+55.9

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C6.2
		CDI #5169		
		ILLINOIS	FED. AID PROJECT	

N

0 10 20 30
SCALE IN FEET

STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

STA. 16+44.0
204.3' LT

STA. 11+24.00
102.0' LT

STA.11+32.3
12.0' LT

STA. 11+32.3
17.6' RT

STA. 12+06.0
502.0' RT

R 620'

R 90'

R 490'

STA. 11+24.0
O/S = 12.0'

SEE ISLAND DETAIL,
THIS SHEET

PODESTA DRIVE

STA. 10+86.00
78.7' RT

STA. = 10+72.4
O/S = 30.6' RT

STA. = 1221+54.8
O/S = 45.8' LT

STA. = 1221+53.8
O/S = 35.0' LT

R 50'

STA. = 1222+25.68
O/S = 42.0' LT

STA. = 1222+49.51
O/S = 36' LT

STA. = 1220+49.2
O/S = 29.5' LT

STA. =1220+86.2
O/S = 35.6' LT

STA. = 1221+49.3
O/S = 34.0' LT

STA. = 1220+01.7
O/S =25.0' LT

STA. = 1219+66.5
O/S = 24.0 LT

12'

24'

36'

STA. 1221+70.83 US 45 =
STA. 10+00.0 PODESTA DRIVE

10+00

POT Sta 10+00.00

1220+00

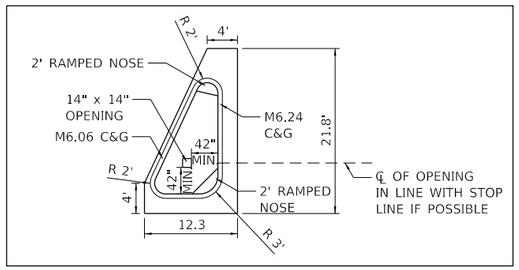
FAP 824
(US 45/IL 121)

1221

1222

13.8'

13.5'



ISLAND DETAIL

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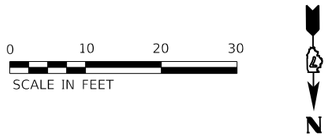
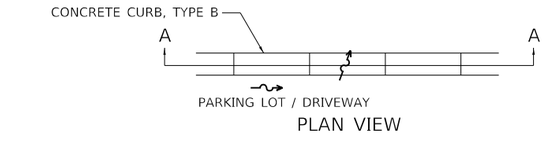
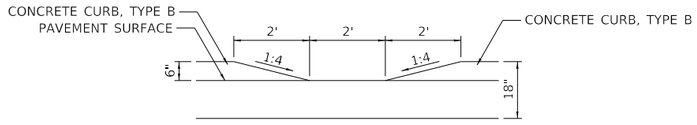
CIVIL DESIGN, INC. WBE / DBE EFFINGHAM, IL LICENSE #184.003222	USER NAME = SBales	DESIGNED - RLH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION DETAILS US 45 / PODESTA DRIVE
		DRAWN - DMM	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - RLH	REVISED -		SCALE: 1"=10' SHEET 1 OF 1 SHEETS STA. TO STA.
	PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -		

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C7.0
		CDI #5169		
		ILLINOIS	FED. AID PROJECT	



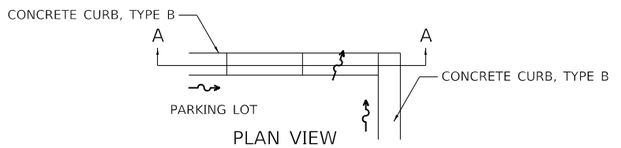


PLAN VIEW

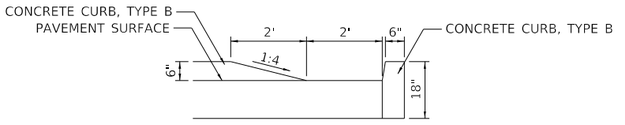


SECTION A-A

CURB CUT DETAIL 1

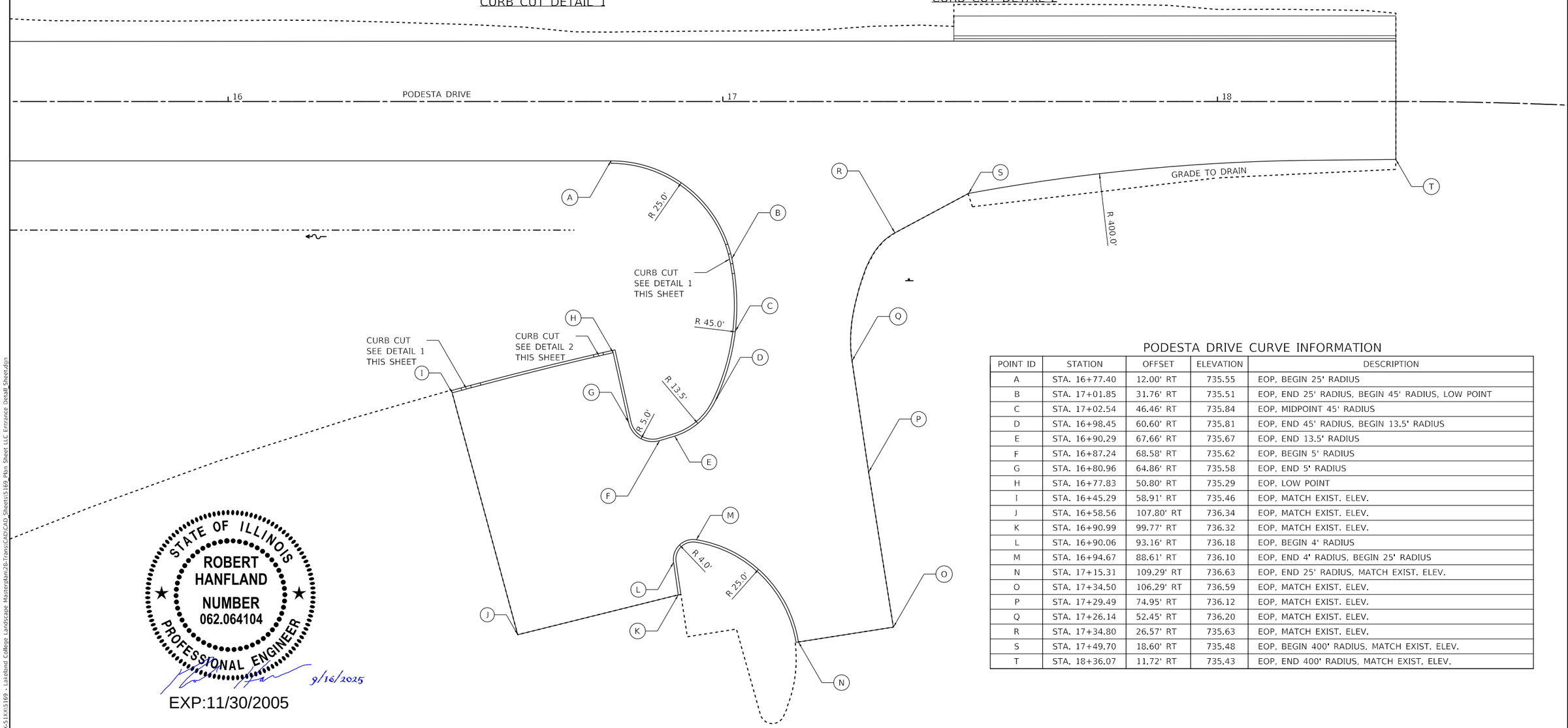


PLAN VIEW



SECTION A-A

CURB CUT DETAIL 2



PODESTA DRIVE CURVE INFORMATION

POINT ID	STATION	OFFSET	ELEVATION	DESCRIPTION
A	STA. 16+77.40	12.00' RT	735.55	EOP, BEGIN 25' RADIUS
B	STA. 17+01.85	31.76' RT	735.51	EOP, END 25' RADIUS, BEGIN 45' RADIUS, LOW POINT
C	STA. 17+02.54	46.46' RT	735.84	EOP, MIDPOINT 45' RADIUS
D	STA. 16+98.45	60.60' RT	735.81	EOP, END 45' RADIUS, BEGIN 13.5' RADIUS
E	STA. 16+90.29	67.66' RT	735.67	EOP, END 13.5' RADIUS
F	STA. 16+87.24	68.58' RT	735.62	EOP, BEGIN 5' RADIUS
G	STA. 16+80.96	64.86' RT	735.58	EOP, END 5' RADIUS
H	STA. 16+77.83	50.80' RT	735.29	EOP, LOW POINT
I	STA. 16+45.29	58.91' RT	735.46	EOP, MATCH EXIST. ELEV.
J	STA. 16+58.56	107.80' RT	736.34	EOP, MATCH EXIST. ELEV.
K	STA. 16+90.99	99.77' RT	736.32	EOP, MATCH EXIST. ELEV.
L	STA. 16+90.06	93.16' RT	736.18	EOP, BEGIN 4' RADIUS
M	STA. 16+94.67	88.61' RT	736.10	EOP, END 4' RADIUS, BEGIN 25' RADIUS
N	STA. 17+15.31	109.29' RT	736.63	EOP, END 25' RADIUS, MATCH EXIST. ELEV.
O	STA. 17+34.50	106.29' RT	736.59	EOP, MATCH EXIST. ELEV.
P	STA. 17+29.49	74.95' RT	736.12	EOP, MATCH EXIST. ELEV.
Q	STA. 17+26.14	52.45' RT	736.20	EOP, MATCH EXIST. ELEV.
R	STA. 17+34.80	26.57' RT	735.63	EOP, MATCH EXIST. ELEV.
S	STA. 17+49.70	18.60' RT	735.48	EOP, BEGIN 400' RADIUS, MATCH EXIST. ELEV.
T	STA. 18+36.07	11.72' RT	735.43	EOP, END 400' RADIUS, MATCH EXIST. ELEV.

STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

MODEL: Default
FILE NAME: P:\5XX\50XX\51XX\5169 - Lakeland College Landscape Masterplan\28-Trans\CAD\CAD Sheets\5169_Plan Sheet LLC Entrance Detail Sheet.dgn

CIVIL DESIGN, INC.
WBE / DBE
EFFINGHAM, IL
LICENSE #184.003222

USER NAME = SBales	DESIGNED - RLH	REVISED -	
	DRAWN - MAH	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - RLH	REVISED -	
PLOT DATE = 9/18/2025	DATE - 05-15-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ENTRANCE DETAIL

SCALE: 1"=10' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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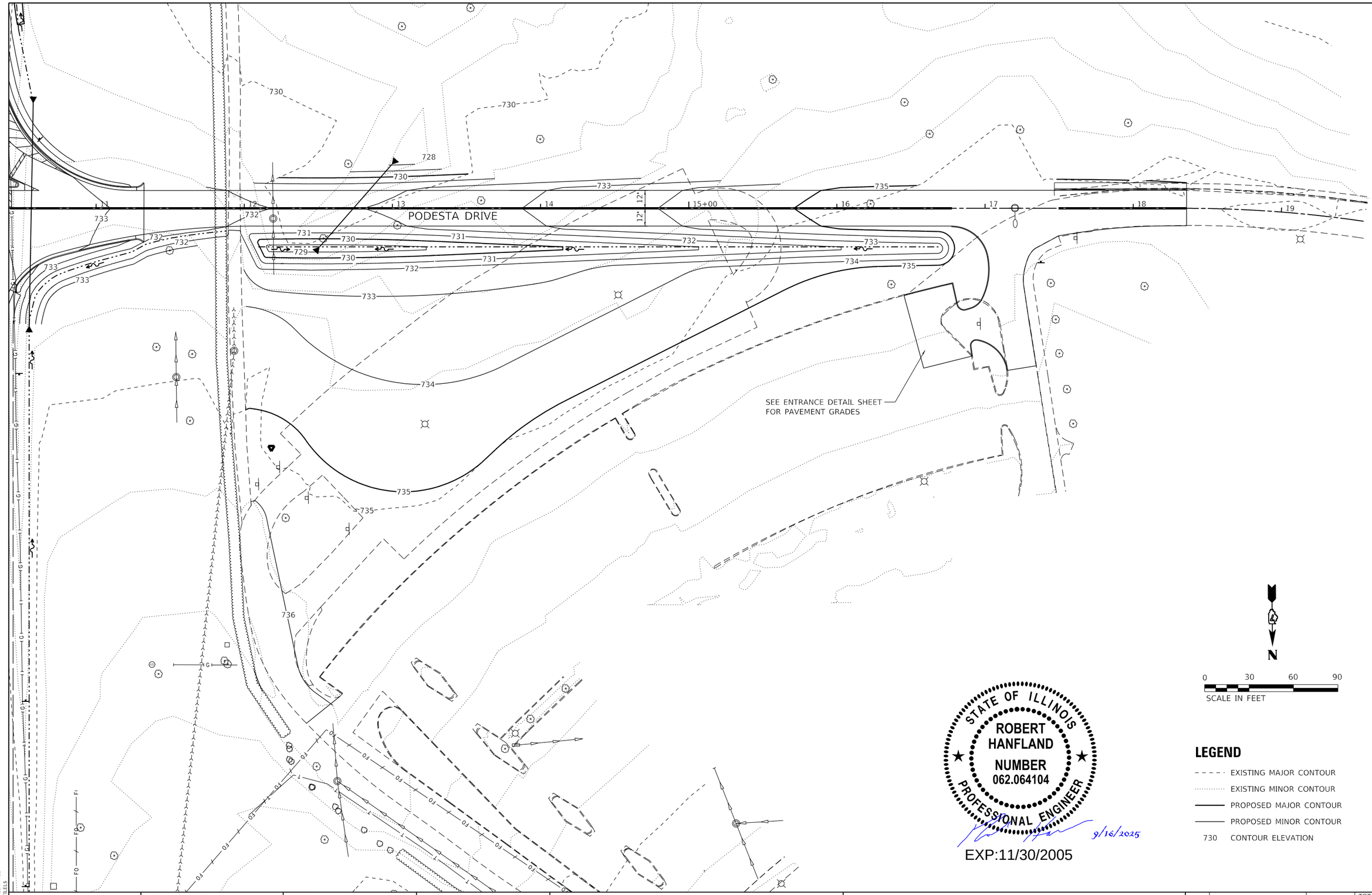
		CDI #5169		
		ILLINOIS	FED. AID PROJECT	



N

0 30 60 90

SCALE IN FEET

LEGEND

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- 730 CONTOUR ELEVATION

STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

MODEL: $MODELNAMES
FILE NAME: $FILE$

CIVIL DESIGN,INC.
WBE | DBE
EFFINGHAM, IL
LICENSE #184.003222

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	DRAWN - DMM	REVISED -
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PLOT DATE = $DATE$	DATE - 8-20-2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRADING PLAN

SCALE: 1"=30' | SHEET 1 OF 1 SHEETS | STA. 10+41.0 | TO STA. 19+55.9

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C8.0
		CDI #5169		
		ILLINOIS	FED. AID PROJECT	

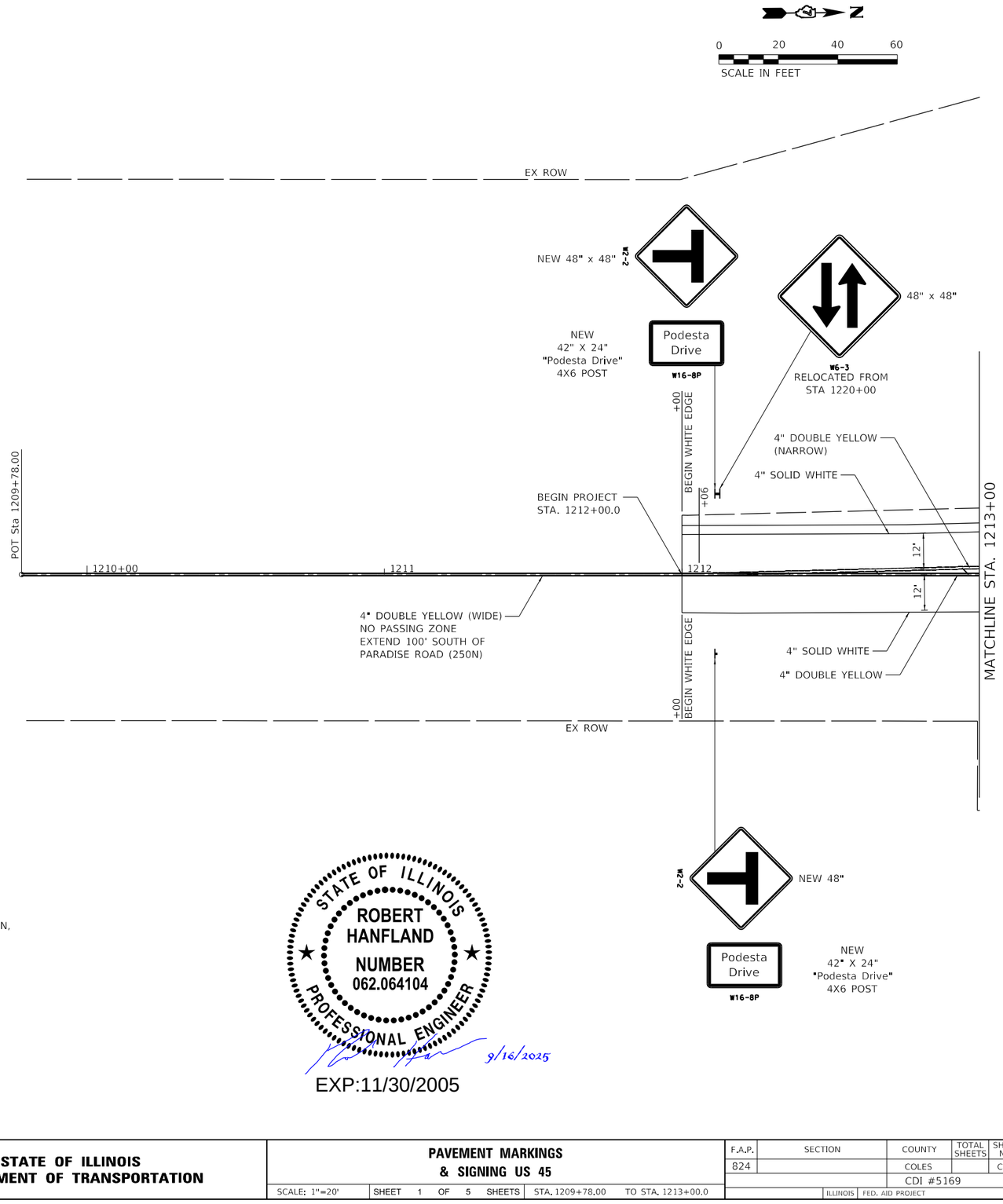
NOTE:

ALL PAVEMENT MARKINGS PLACED ON PCC PAVEMENT SHALL BE URETHANE. ALL PAVEMENT MARKINGS PLACED ON HMA PAVEMENT SHALL BE THERMOPLASTIC.

SEE DISTRICT 7 DETAIL NO. 78000001

ALL NEW AND RELOCATED SIGNS SHALL BE INSTALLED ON NEW 4 X 6 WOOD POSTS

GROOVING FOR RECESSED PAVEMENT MARKINGS SHALL BE INCLUDED FOR ALL PAVEMENT MARKINGS WITHIN THE RIGHT-OF-WAY EXCEPT FOR THE PODESTA DRIVE CENTERLINE.



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

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CIVIL DESIGN, INC.
WBE | DBE
EFFINGHAM, IL
LICENSE #184.003222

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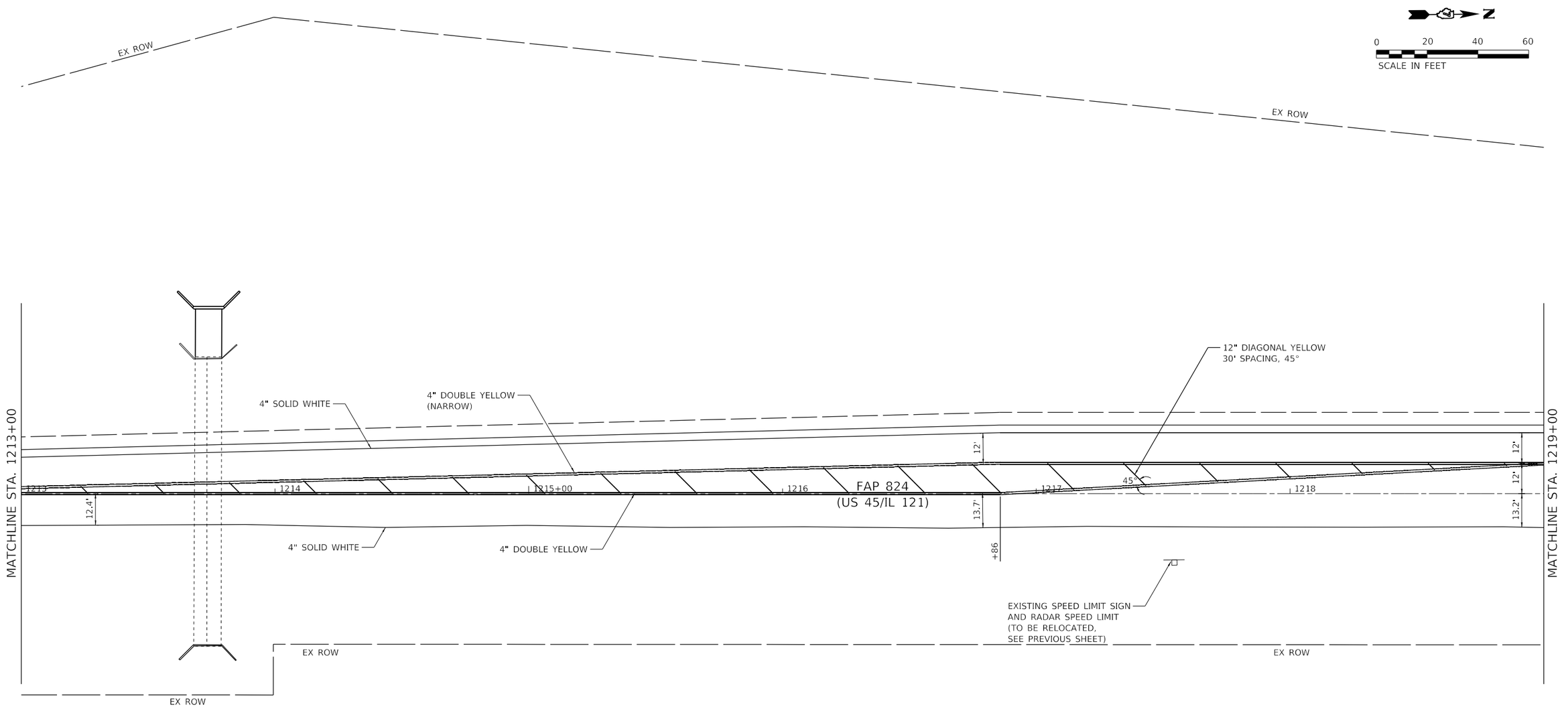
PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS & SIGNING US 45

SCALE: 1"=20' | SHEET 1 OF 5 SHEETS | STA. 1209+78.00 | TO STA. 1213+00.0

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C9.0
		CDI #5169		
	ILLINOIS	FED. AID PROJECT		



NOTE:

ALL PAVEMENT MARKINGS PLACED ON PCC PAVEMENT SHALL BE URETHANE. ALL PAVEMENT MARKINGS PLACED ON HMA PAVEMENT SHALL BE THERMOPLASTIC.

GROOVING FOR RECESSED PAVEMENT MARKINGS SHALL BE INCLUDED FOR ALL PAVEMENT MARKINGS WITHIN THE RIGHT-OF-WAY EXCEPT FOR THE PODESTA DRIVE CENTERLINE.

STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

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CIVIL DESIGN, INC.
WBE / DBE
EFFINGHAM, IL
LICENSE #184.003222

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	DRAWN - DMM	REVISED -
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PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS
US 45

SCALE: 1"=20' | SHEET 2 OF 5 SHEETS | STA. 1213+50.0 | TO STA. 1219+50.0

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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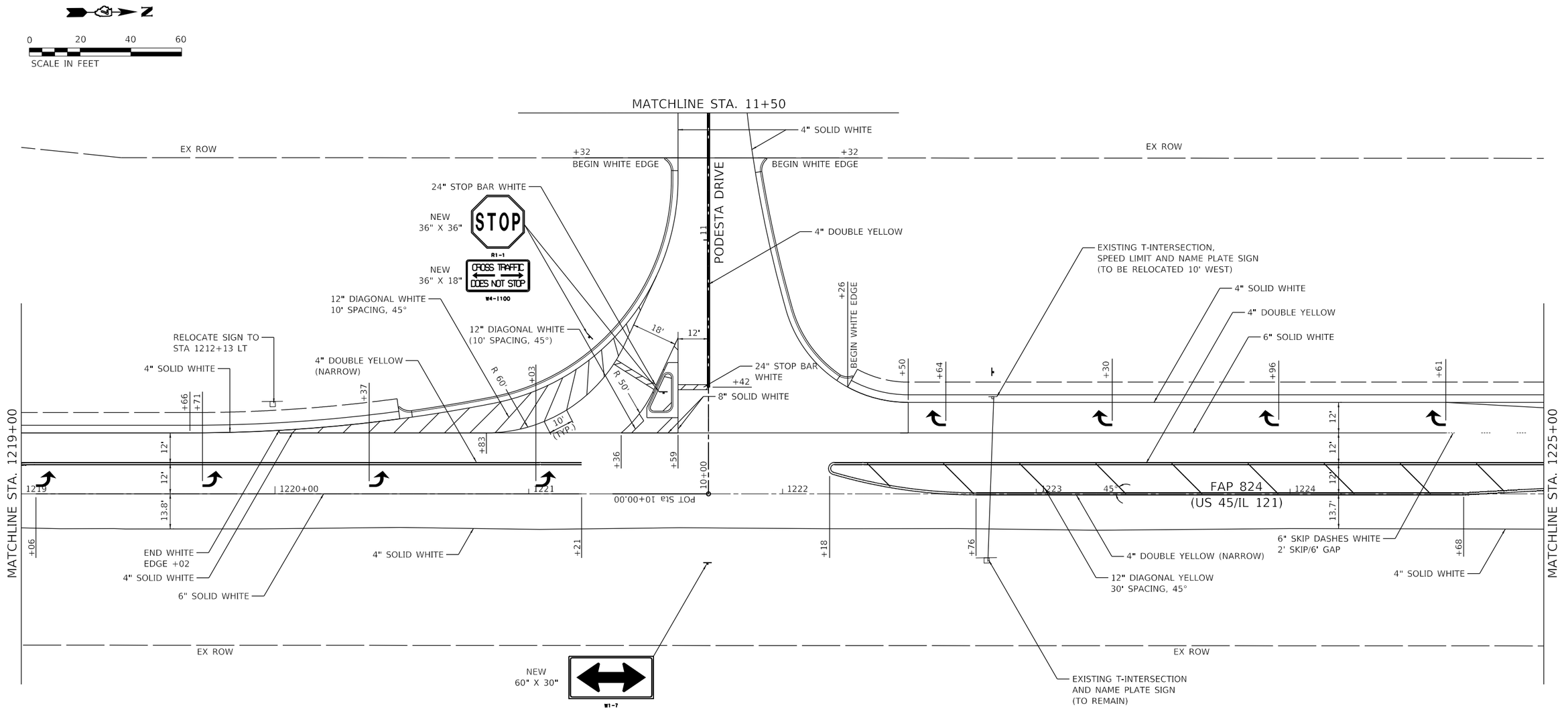
		CDI #5169		
	ILLINOIS	FED. AID PROJECT		



NOTE:

ALL PAVEMENT MARKINGS PLACED ON PCC PAVEMENT SHALL BE URETHANE. ALL PAVEMENT MARKINGS PLACED ON HMA PAVEMENT SHALL BE THERMOPLASTIC.

SEE DISTRICT 7 DETAIL NO. 78000001

ALL NEW AND RELOCATED SIGNS SHALL BE INSTALLED ON NEW 4 X 6 WOOD POSTS.

GROOVING FOR RECESSED PAVEMENT MARKINGS SHALL BE INCLUDED FOR ALL PAVEMENT MARKINGS WITHIN THE RIGHT-OF-WAY EXCEPT FOR THE PODESTA DRIVE CENTERLINE.

STATE OF ILLINOIS
ROBERT
HANFLAND
NUMBER
062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

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CIVIL DESIGN, INC.
WBE / DBE
EFFINGHAM, IL
LICENSE #184.003222

USER NAME = SBales	DESIGNED - RLH	REVISED -	
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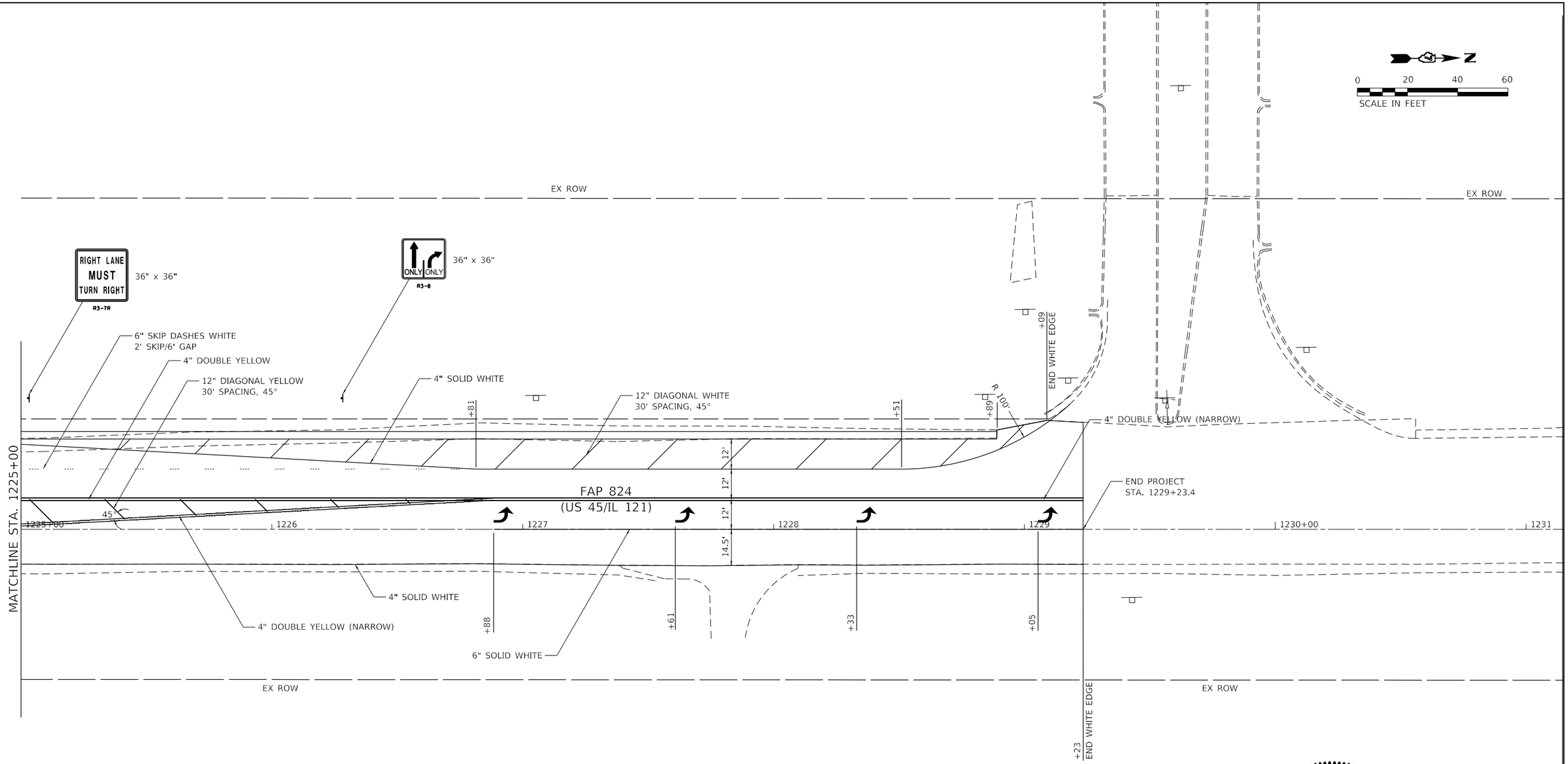
PLOT SCALE = 40.0000 ' / in.	CHECKED - RLH	REVISED -	
PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS
& SIGNING US 45

SCALE: 1"=20' | SHEET 3 OF 5 SHEETS | STA. 1219+00.0 | TO STA. 1225+00.0

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C9.2
		CDI #5169		
		ILLINOIS	FED. AID PROJECT	



NOTE:

ALL PAVEMENT MARKINGS PLACED ON PCC PAVEMENT SHALL BE URETHANE. ALL PAVEMENT MARKINGS PLACED ON HMA PAVEMENT SHALL BE THERMOPLASTIC.

SEE DISTRICT 7 DETAIL NO. 78000001

ALL NEW AND RELOCATED SIGNS SHALL BE INSTALLED ON NEW 4 X 6 WOOD POSTS.

GROOVING FOR RECESSED PAVEMENT MARKINGS SHALL BE INCLUDED FOR ALL PAVEMENT MARKINGS WITHIN THE RIGHT-OF-WAY EXCEPT FOR THE PODESTA DRIVE CENTERLINE.

STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

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CIVIL DESIGN, INC.
WBE / DBE
EFFINGHAM, IL
LICENSE #184.003222

USER NAME = SBales	DESIGNED - RLH	REVISED -
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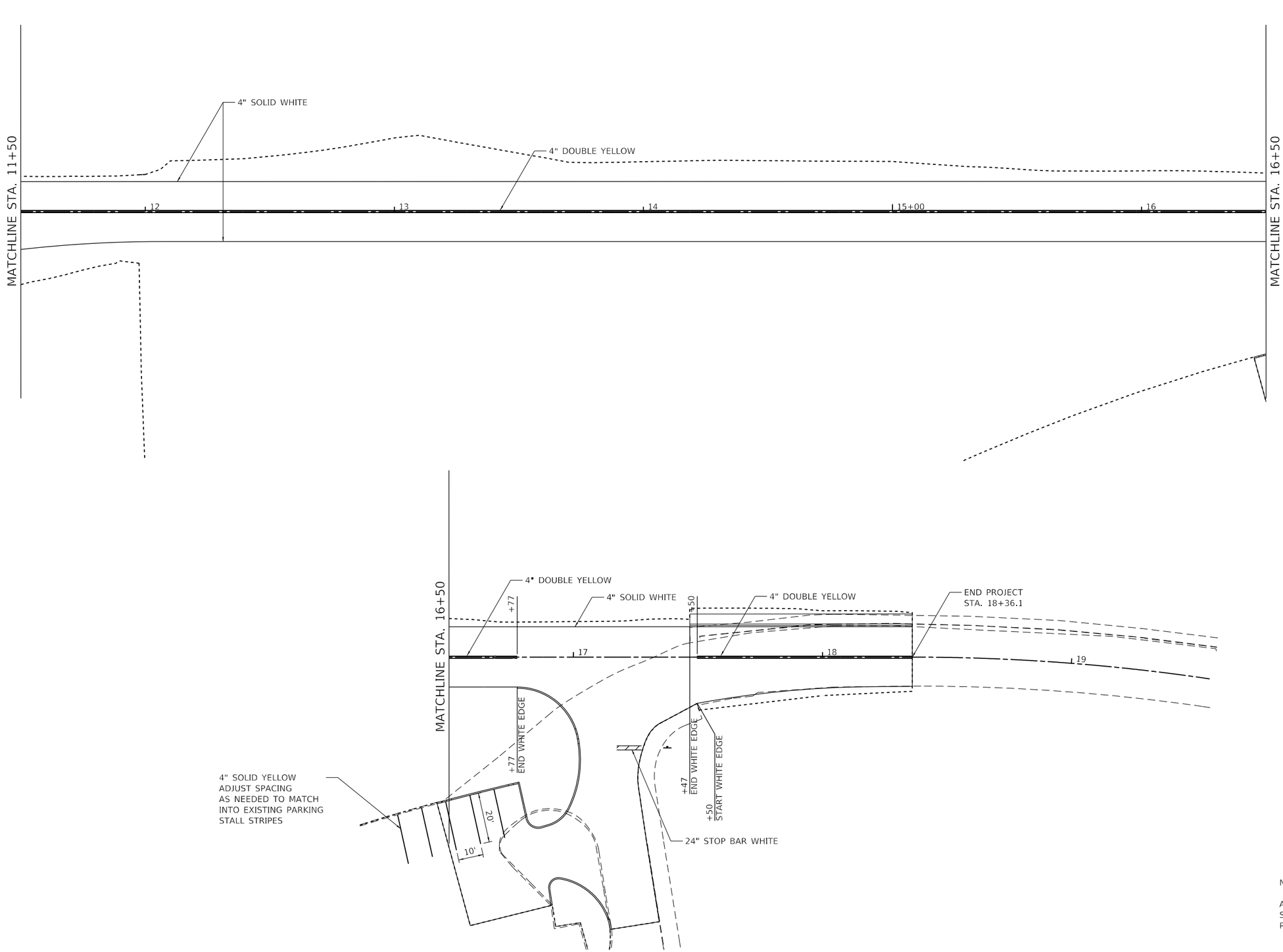
PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS
US 45

SCALE: 1"=20' | SHEET 4 OF 5 SHEETS | STA. 1225+50.0 | TO STA. 1229+23.4

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C9.3
		CDI #5169		
		ILLINOIS	FED. AID PROJECT	



STATE OF ILLINOIS
ROBERT
HANFLAND
NUMBER
062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

NOTE:

ALL PAVEMENT MARKINGS PLACED ON PCC PAVEMENT SHALL BE URETHANE. ALL PAVEMENT MARKINGS PLACED ON HMA PAVEMENT SHALL BE THERMOPLASTIC.

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CIVIL DESIGN, INC.
WBE | DBE
EFFINGHAM, IL
LICENSE #184.003222

USER NAME = SBales	DESIGNED - RLH	REVISED -	
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PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS
PODESTA DRIVE

SCALE: 1"=20' | SHEET 5 OF 5 SHEETS | STA. 11+50.0 TO STA. 18+36.1

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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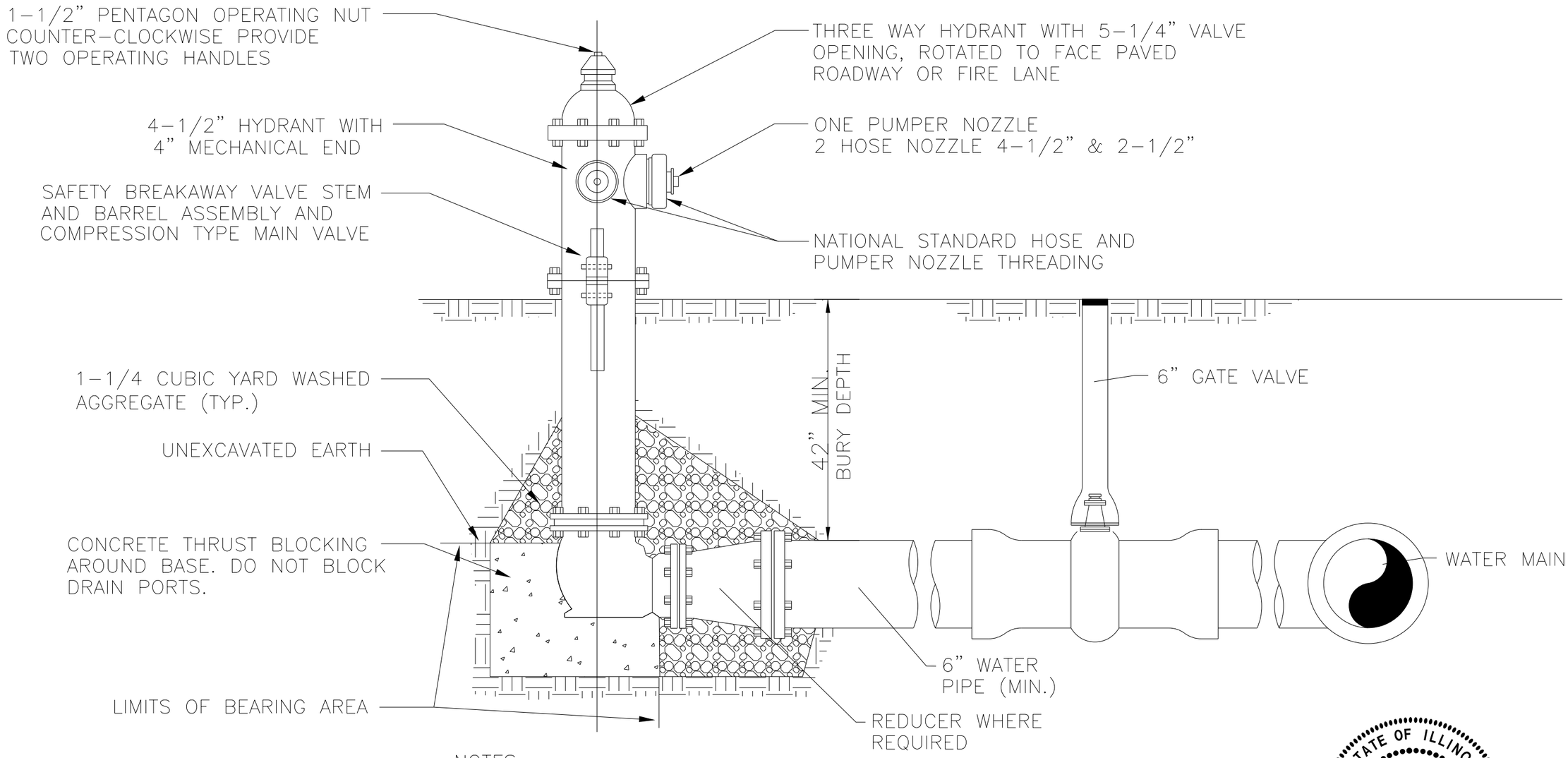
		CDI #5169		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. FOLLOW LOCAL FIRE DISTRICT STANDARDS.

D FIRE HYDRANT

NOT TO SCALE

STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

MODEL: Default
FILE NAME: P:\SXXX\50XX-51XX\5169 - Lakeland College Landscape Masterplan\28-Trans\CAD\CAD Sheets\5169_Fire Hydrant Detail Sheet.dgn

CIVIL DESIGN, INC. WBE / DBE EFFINGHAM, IL LICENSE #184.003222	USER NAME = SBales	DESIGNED - RLH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIRE HYDRANT DETAIL SHEET
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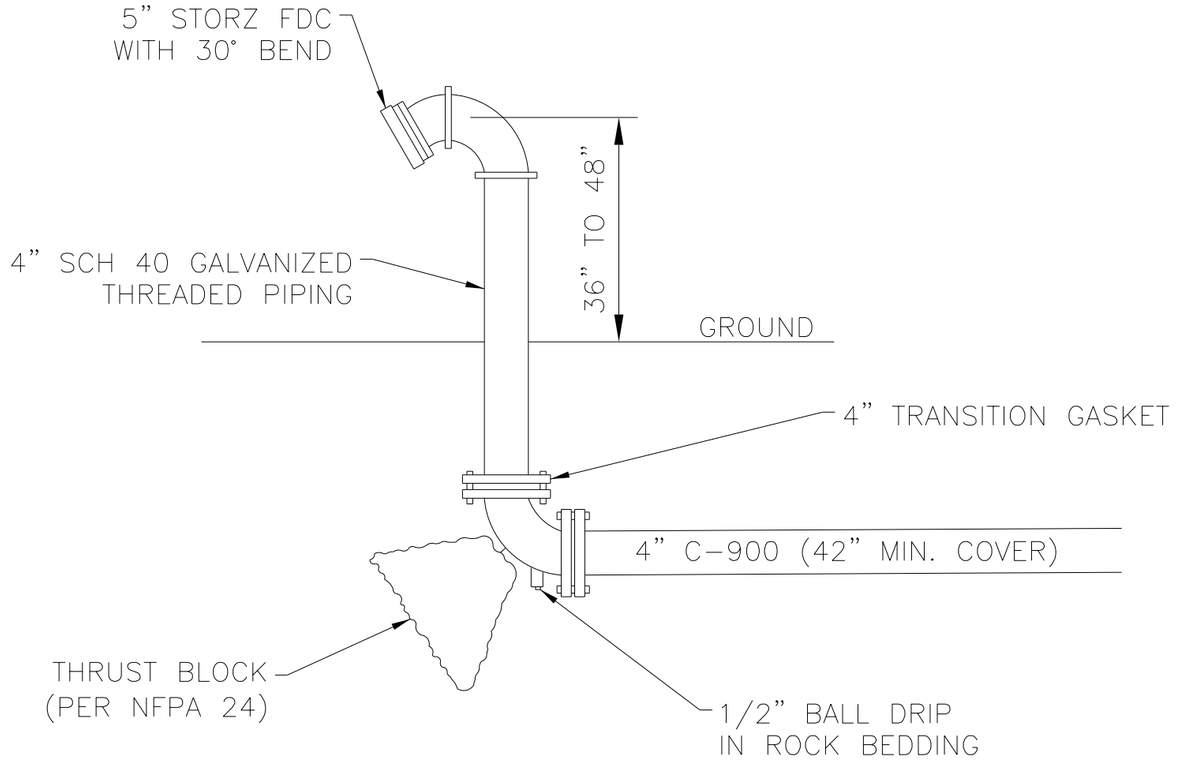

NOTE:

THE FDC SHALL BE ARRANGED TO FACE A PAVED ROADWAY, SIDEWALK OR OTHER APPROVED AREA AND SHALL BE INSTALLED SO THAT IT WILL NOT INTERFERE WITH ACCESS TO THE BUILDING.

STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

MODEL: Default
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CIVIL DESIGN, INC.
WBE | DBE
EFFINGHAM, IL
LICENSE #184.003222

USER NAME = SBales	DESIGNED - RLH	REVISED -	
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PLOT SCALE = 2.0000 ' / in.	CHECKED - RLH	REVISED -	
PLOT DATE = 9/18/2025	DATE - 8-20-2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOTE FDC RELOCATION DETAIL

SCALE: | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COLES		C10.1
		ILLINOIS	FED. AID PROJECT	

GENERAL NOTES

Plan dimensions and details relative to the existing structure have been taken from existing plans and 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.

Expansion bolts shall consist of approved expansion anchors, providing minimum certified proof load = 4,080 lbs., and ¾" ○ x 12" hooked bolts.

All exposed edges shall have standard ¾" chamfers.

INDEX OF SHEETS

1. General Plan & Elevation
2. Box Culvert Details – 1
3. Box Culvert Details – 2

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

LOADING HL-93

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

DESIGN STRESSES

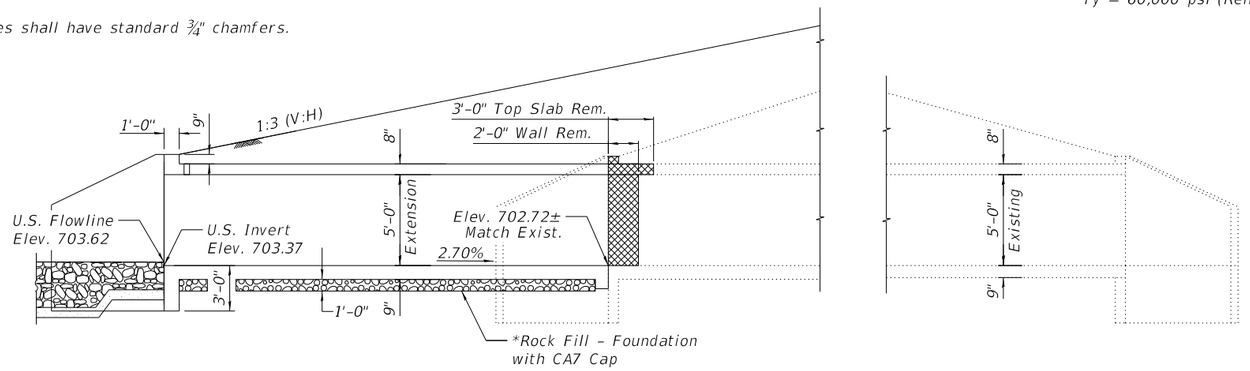
FIELD UNITS

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

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	3.3
Concrete Box Culverts	Cu. Yd.	31.7
Reinforcement Bars	Pound	6,130
Expansion Bolts ¾"	Each	21
Porous Granular Embankment	Cu. Yd.	75
Stone Riprap, Class A5	Sq. Yd.	26
Filter Fabric	Sq. Yd.	26
Removal and Disposal of Unsuitable Materials for Structures	Cu. Yd.	17
Rock Fill – Foundation	Ton	35
Temporary Soil Retention System	Sq. Ft.	125

The Contractor shall excavate to the specified depth for placement of the Rock Fill Foundation under the culvert extensions and the wingwall footings (if present) and allow the District inspectors to test and verify that the foundation soils have a minimum Qu of at least 2.5 tsf. If the required soil strength is not present, the Contractor shall excavate an additional depth and width as directed by the Engineer to locate suitable strength material. The excavated area shall then be backfilled to the proper elevations using Rockfill capped with 6" of Coarse Aggregate. Cost of excavation and backfill material will be paid for per Art. 109.04 (b) of the Standard Specifications.

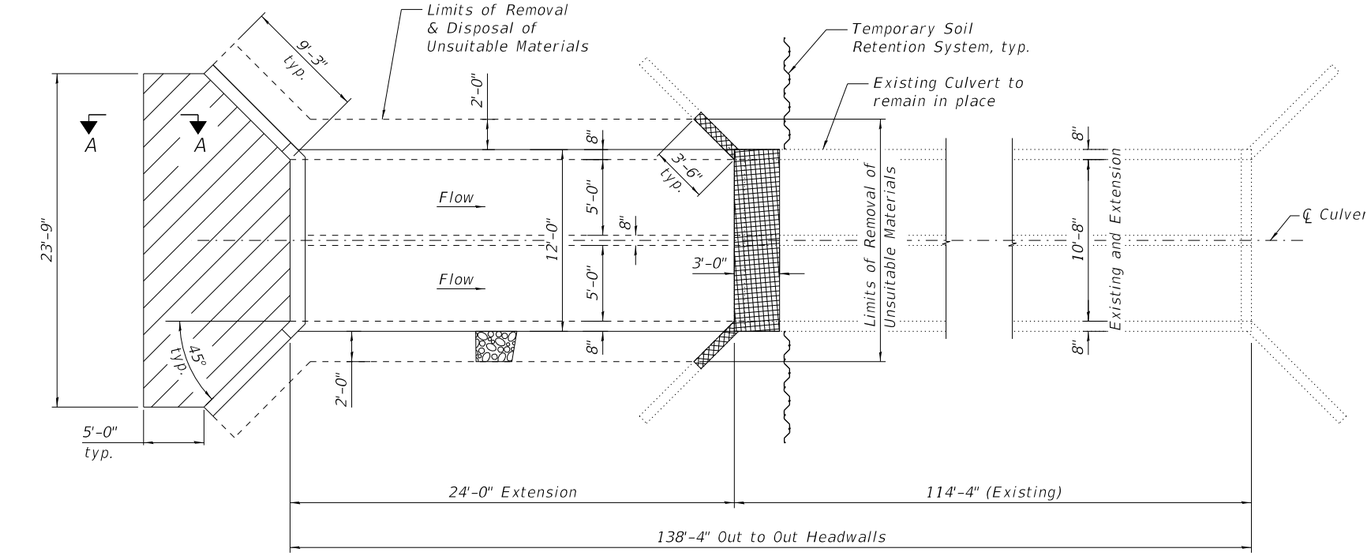


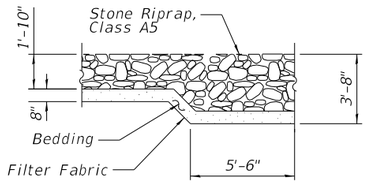
LONGITUDINAL SECTION

Limits of Concrete Removal

Limits of Stone Riprap, Class A5

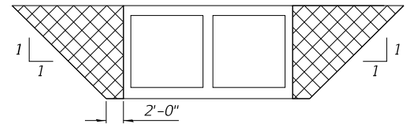
*The Rock Fill – Foundation shall be capped with 6 inches of CA7 and satisfy the Standard Specification unless otherwise indicated in the Special Provisions. The cost of capping materials shall be included in the pay item "Rock Fill – Foundation".





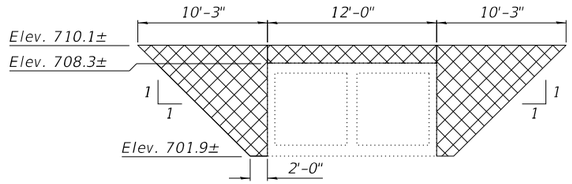
SECTION A-A

Cost of any excavation necessary for placement of riprap or bedding material shall be included with Stone Riprap, Class A5



PAY LIMITS FOR POROUS GRANULAR EMBANKMENT

(Hatched Area)



PAY LIMITS FOR TEMPORARY SOIL RETENTION SYSTEM

(Hatched Area)

LICENSED STRUCTURAL ENGINEER
TYLER J. ZIEGLER
081-007505
STATE OF ILLINOIS

9/18/25

Tyler J. Ziegler — Date
Licensed Structural Engineer
State of Illinois No. 081-007505
Expires 11-30-2026

GENERAL PLAN & ELEVATION
US RTE 45/IL RTE 121 OVER STREAM
F.A.P. RTE 824
COLES COUNTY
STATION 1213+73.53
STRUCTURE NO. 015-8313

MODEL: 001
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CIVIL DESIGN, INC.
WBE | DBE
EFFINGHAM, IL
LICENSE #184.003222

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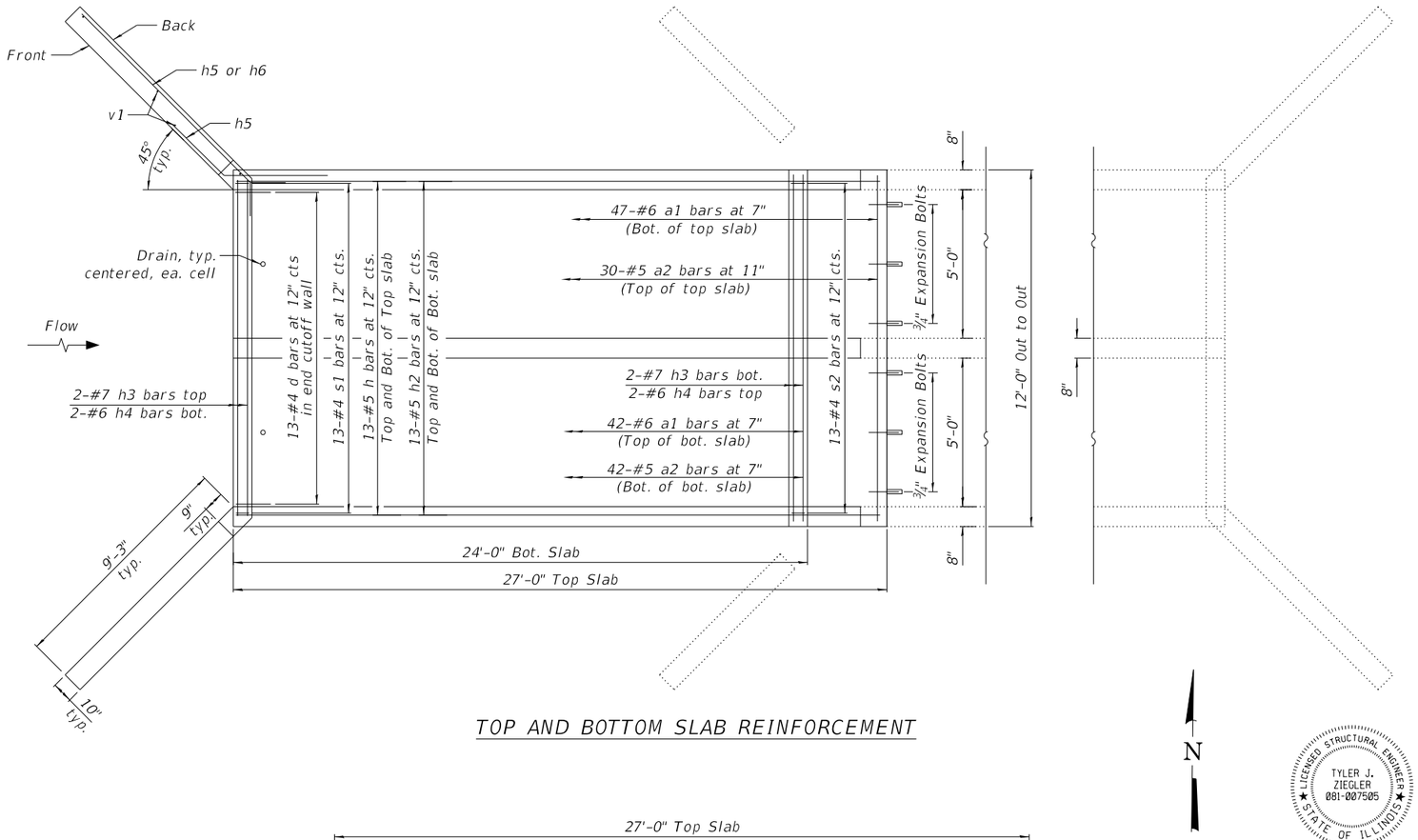
PLOT DATE = 9/18/2025	DATE - 6/17/25	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

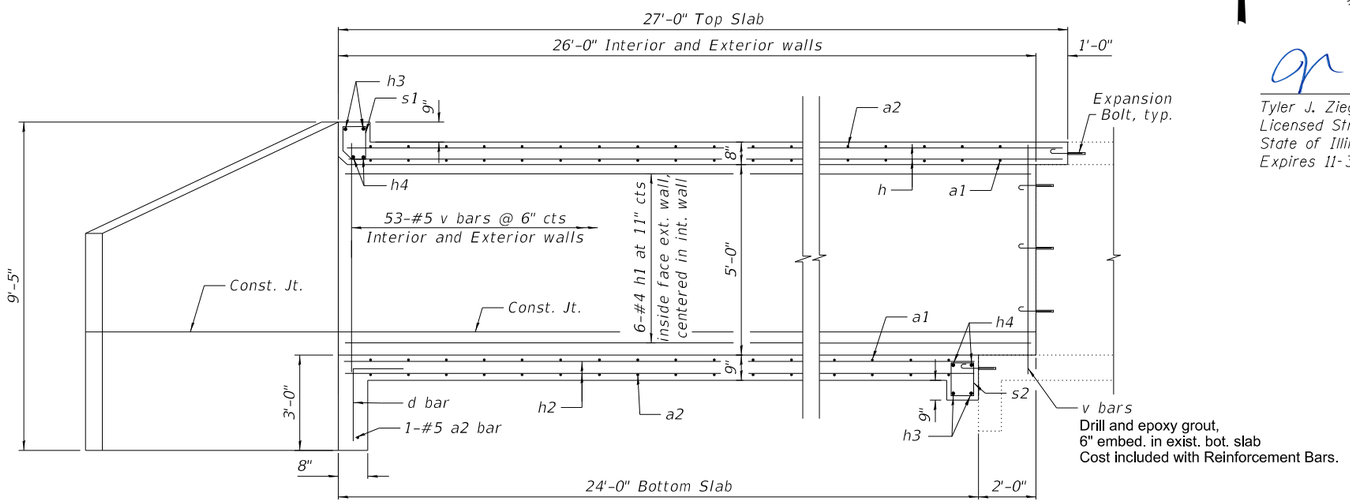
GENERAL PLAN & ELEVATION
STRUCTURE NO. 015-8313

SCALE: | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COLES		C11.0
	ILLINOIS	FED. AID PROJECT		



TOP AND BOTTOM SLAB REINFORCEMENT



LONGITUDINAL SECTION

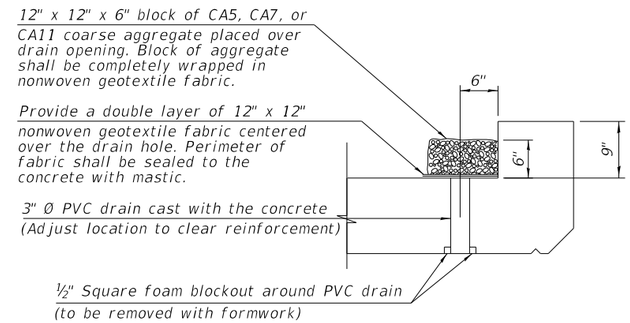
N

TYLER J. ZIEGLER 081-007505 LICENSED STRUCTURAL ENGINEER STATE OF ILLINOIS

9/18/25

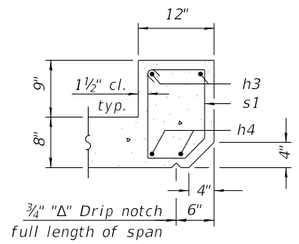
Tyler J. Ziegler — Date
Licensed Structural Engineer
State of Illinois No. 081-007505
Expires 11-30-2026

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

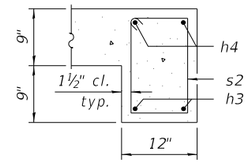


DRAIN DETAIL
(2 Each)

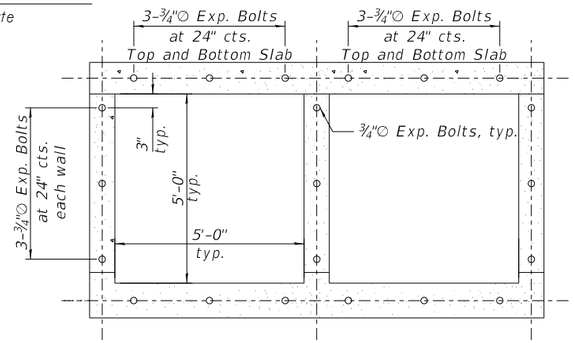
(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



UPSTREAM
HEADWALL



DOWNSTREAM
TOEWALL



EXPANSION BOLTS

Note: Expansion bolts shall be ¾"∅ hooked bolts and shall extend 9" into new concrete.

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CIVIL DESIGN, INC. WBE / DBE — EFFINGHAM, IL LICENSE #184.003222	USER NAME = SBales	DESIGNED - TAW	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**
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	PLOT SCALE = 2.0000 ' / in.	CHECKED - TJZ	REVISED -	
	PLOT DATE = 9/18/2025	DATE - 6/17/25	REVISED -	

BOX CULVERT DETAILS
STRUCTURE NO. 015-8313

SCALE: | STA. | TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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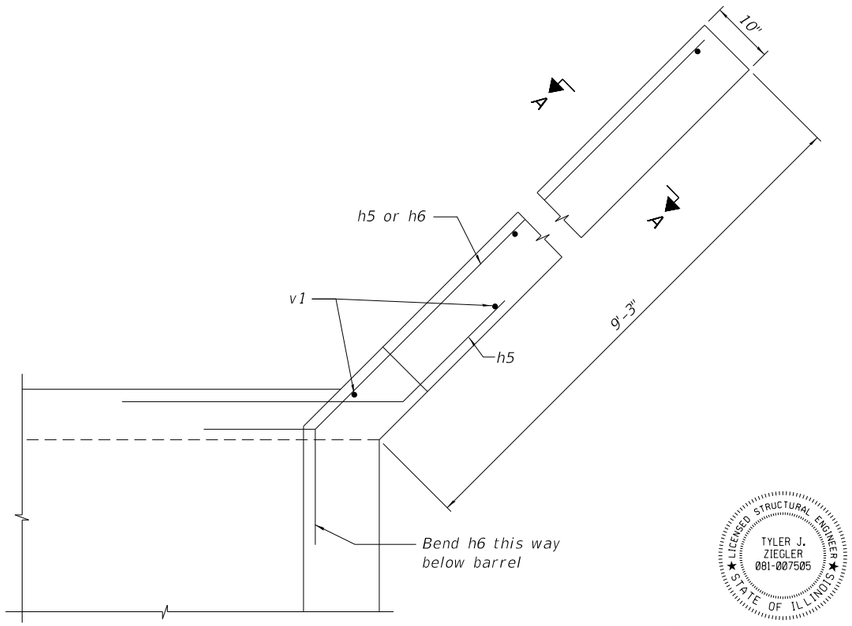
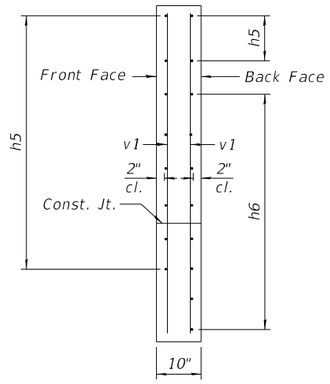
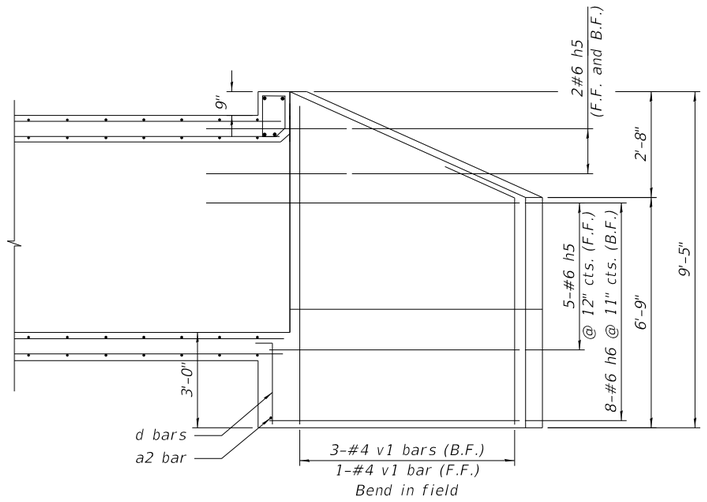
		ILLINOIS	FED. AID PROJECT	



HORIZONTAL WINGWALL
PLAN



SECTION A-A

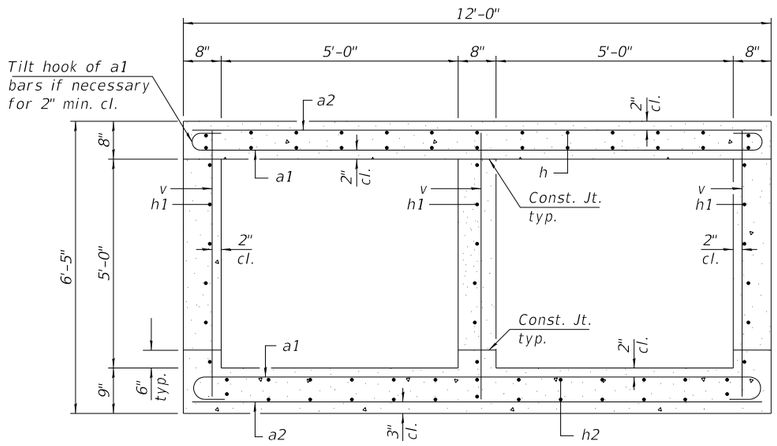


WINGWALL
REINFORCEMENT

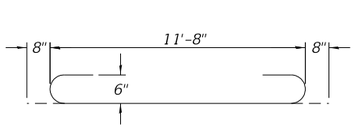
LICENSED STRUCTURAL ENGINEER
TYLER J. ZIEGLER
081-007505
STATE OF ILLINOIS

9/18/25

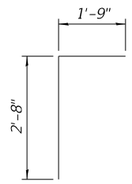
Tyler J. Ziegler Date
Licensed Structural Engineer
State of Illinois No. 081-007505
Expires 11-30-2026



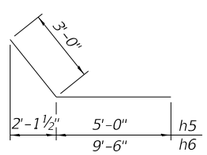
SECTION THRU BARREL



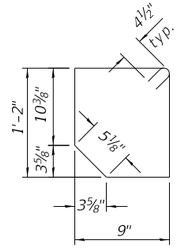
BAR a1



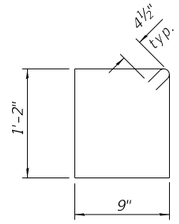
BAR d



BARS h5 & h6



BAR s1



BAR s2

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	89	#6	13'-0"	
a2	72	#5	11'-8"	
d	13	#4	4'-5"	
h	26	#5	26'-8"	
h1	18	#4	25'-8"	
h2	26	#5	23'-8"	
h3	4	#7	11'-8"	
h4	4	#6	11'-8"	
h5	18	#6	8'-0"	
h6	16	#6	12'-6"	
s1	13	#4	4'-5"	
s2	13	#4	4'-7"	
v	159	#5	6'-0"	
v1	8	#4	9'-0"	
Concrete Box Culverts			Cu. Yd.	31.7
Reinforcement Bars			Pound	6,130

MODEL: 001
FILE NAME: P:\SXXX\50XX-51XX\5169 - Lakeland College Landscape Masterplan\24-Structures\CAD\013-8313 Sheet 4 Culvert ext details 2.dgn

CDI CIVIL DESIGN, INC. WBE | DBE
EFFINGHAM, IL
LICENSE #184.003222

USER NAME = SBales	DESIGNED - TAW	REVISED -	
	DRAWN - TAW	REVISED -	
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PLOT DATE = 9/18/2025	DATE - 6/17/25	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BOX CULVERT DETAILS
STRUCTURE NO. 015-8313

SCALE: STA. TO STA.

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COLES		C11.2
		ILLINOIS	FED. AID PROJECT	

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

BY	DATE

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

BY	DATE

95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55

726.5
724.0
721.5
719.0
716.5
714.0
711.5
709.0
706.5
704.0

721.90
724.22
724.43
724.55
724.68
724.53
723.85
1:4
6.0%
4.0%

STATE OF ILLINOIS
ROBERT
HANFLAND
NUMBER
062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

1212 + 00.00

MODEL: Default
FILE NAME: P:\SXX\SXXSDXX-51XXS169 - Lakeland College Landscape Masterplan\2b-Trans\CAD\CAD Sheets\5169_Sht-US45_XSEC.dgn

CIVIL DESIGN, INC.
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EFFINGHAM, IL
LICENSE #184.003222

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PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 1 OF 28 SHEETS | STA. 1212+00.00 | TO STA. 1212+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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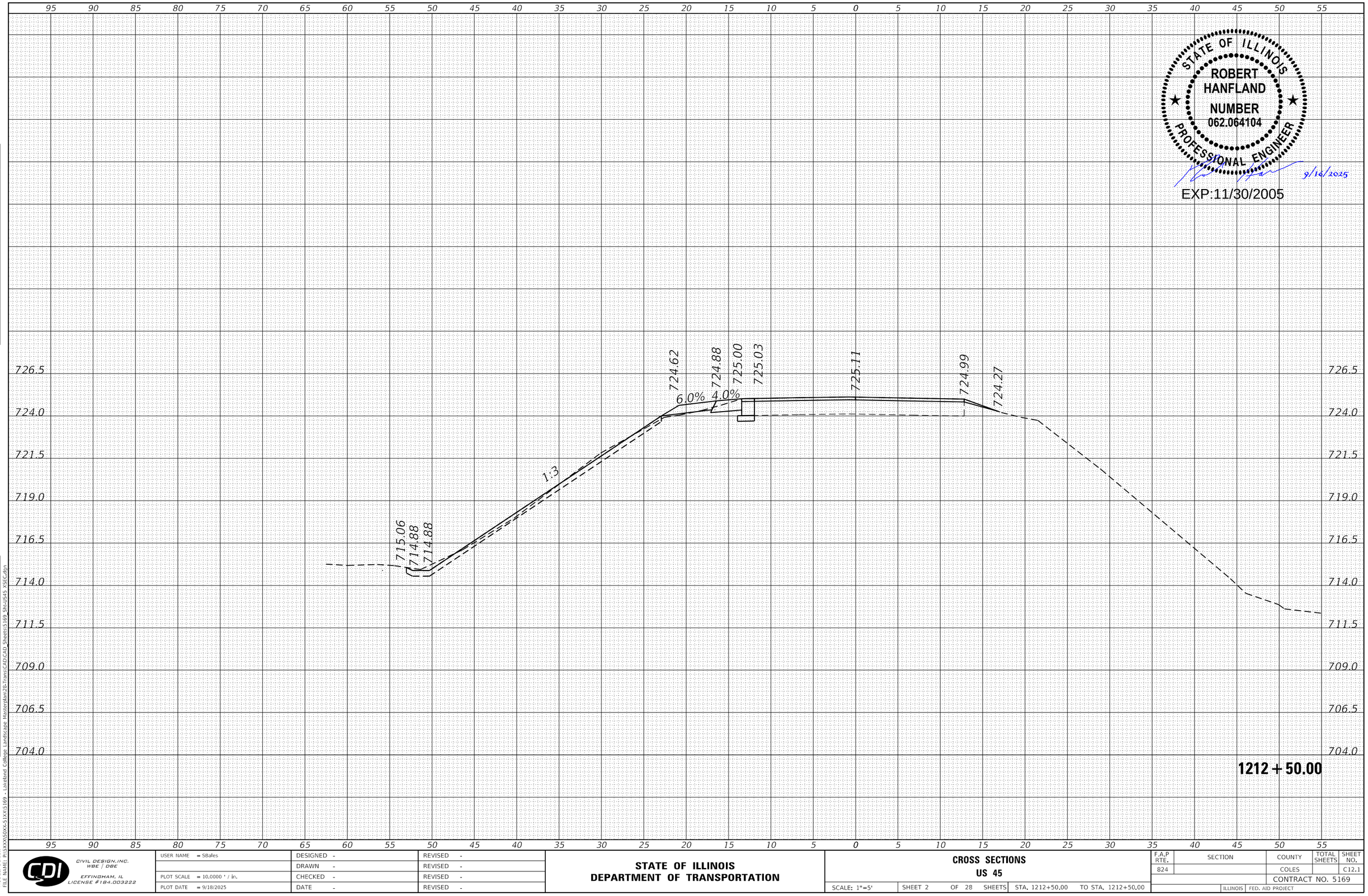
		ILLINOIS	FED. AID PROJECT	



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

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

BY	DATE

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

BY	DATE

MODEL: Default
FILE NAME: P:\SXXX\50XX-51XX\5169 - Lakeland College Landscape Masterplan\26-TransCAD\CAD Sheets\5169_Sht-US45_XSEC.dgn

CIVIL DESIGN, INC.
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LICENSE #184.003222

USER NAME = SBales	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 2 OF 28 SHEETS | STA. 1212+50.00 | TO STA. 1212+50.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.1
		CONTRACT NO. 5169		
	ILLINOIS	FED. AID PROJECT		

95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55

726.5
724.0
721.5
719.0
716.5
714.0
711.5
709.0
706.5
704.0

725.02 725.32 725.45 725.50 725.62 725.45 724.75

6.0% 4.0%

1:3

713.30 713.30

713.33

1213 + 00.00

STATE OF ILLINOIS
ROBERT
HANFLAND
NUMBER
062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

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

BY	DATE

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

BY	DATE

MODEL: Default
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LICENSE #184.003222

USER NAME = SBales	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 3 OF 28 SHEETS | STA. 1213+00.00 | TO STA. 1213+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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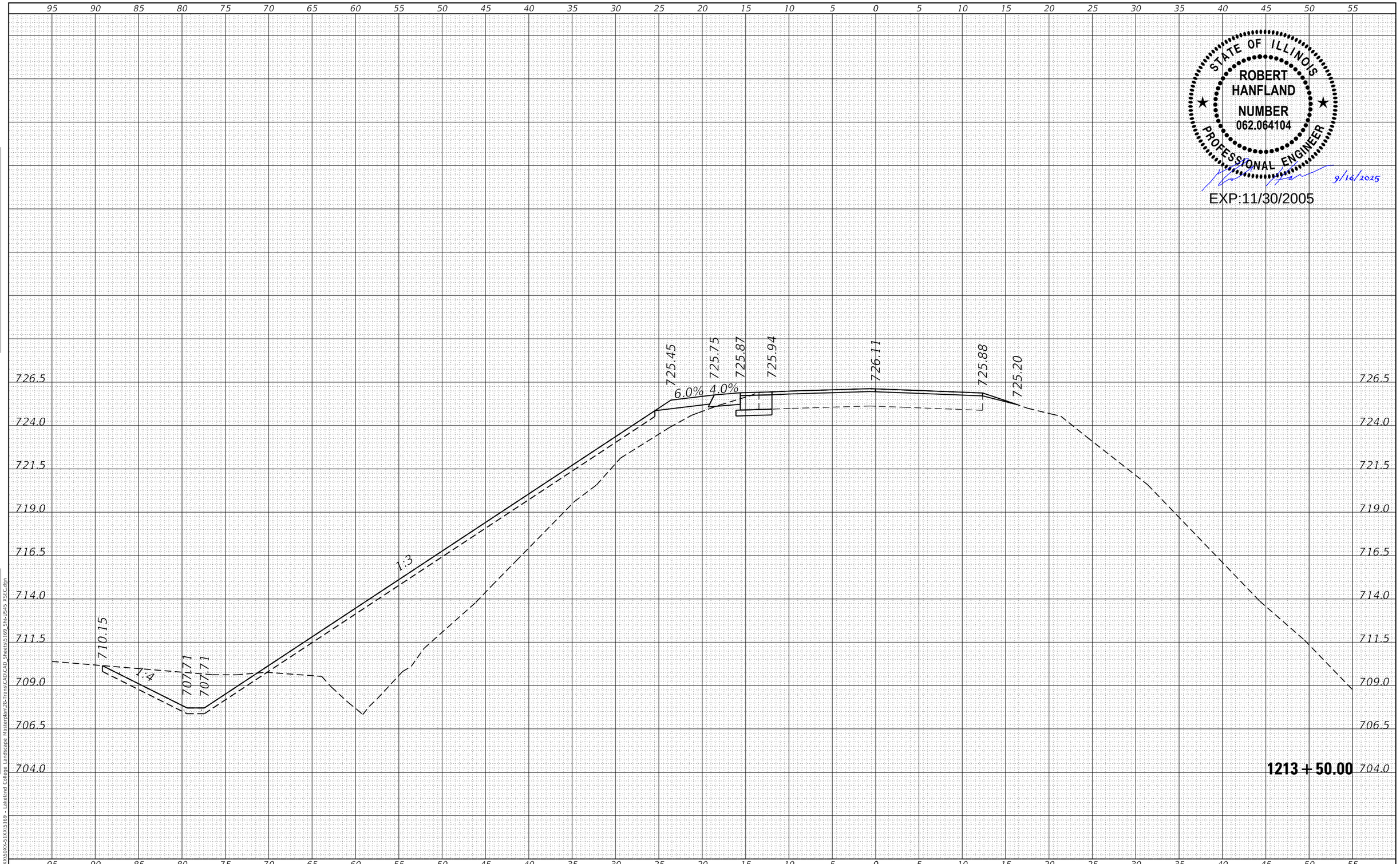
		CONTRACT NO. 5169		
	ILLINOIS	FED. AID PROJECT		



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

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

BY	DATE

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

BY	DATE

MODEL: Default
FILE NAME: P:\5XXX\50XX-51XX\5169 - Lakeland College Landscape Masterplan\26-Trans\CAD\CAD Sheets\5169_Sht-US45_XSEC.dgn

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EFFINGHAM, IL
LICENSE #184.003222

USER NAME = SBales	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 4 OF 28 SHEETS | STA. 1213+50.00 | TO STA. 1213+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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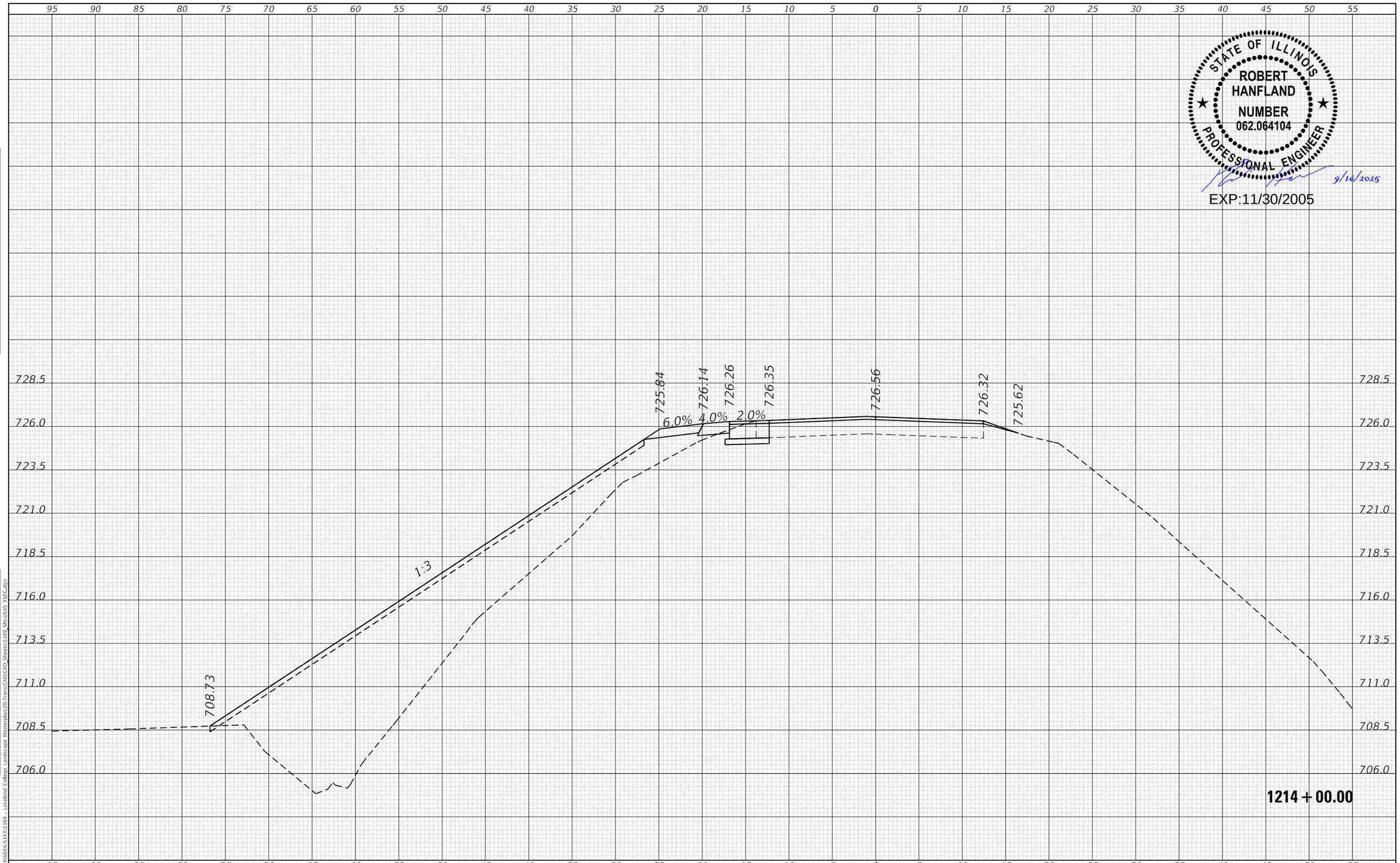
		CONTRACT NO. 5169		
		ILLINOIS	FED. AID PROJECT	



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

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

BY	DATE

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

BY	DATE

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CIVIL DESIGN, INC.
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EFFINGHAM, IL
LICENSE #184.003222

USER NAME = SBales	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/18/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 5 OF 28 SHEETS | STA. 1214+00.00 | TO STA. 1214+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.4
		CONTRACT NO. 5169		
		ILLINOIS	FED. AID PROJECT	

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728.5
726.0
723.5
721.0
718.5
716.0
713.5
711.0
708.5
706.0

726.32 726.62 726.74 726.87 727.05 726.81 726.10

6.0% 4.0% 2.0%

1:3

712.21

1214 + 50.00

STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

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

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

MODEL: Default
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PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 6 OF 28 SHEETS | STA. 1214+50.00 | TO STA. 1214+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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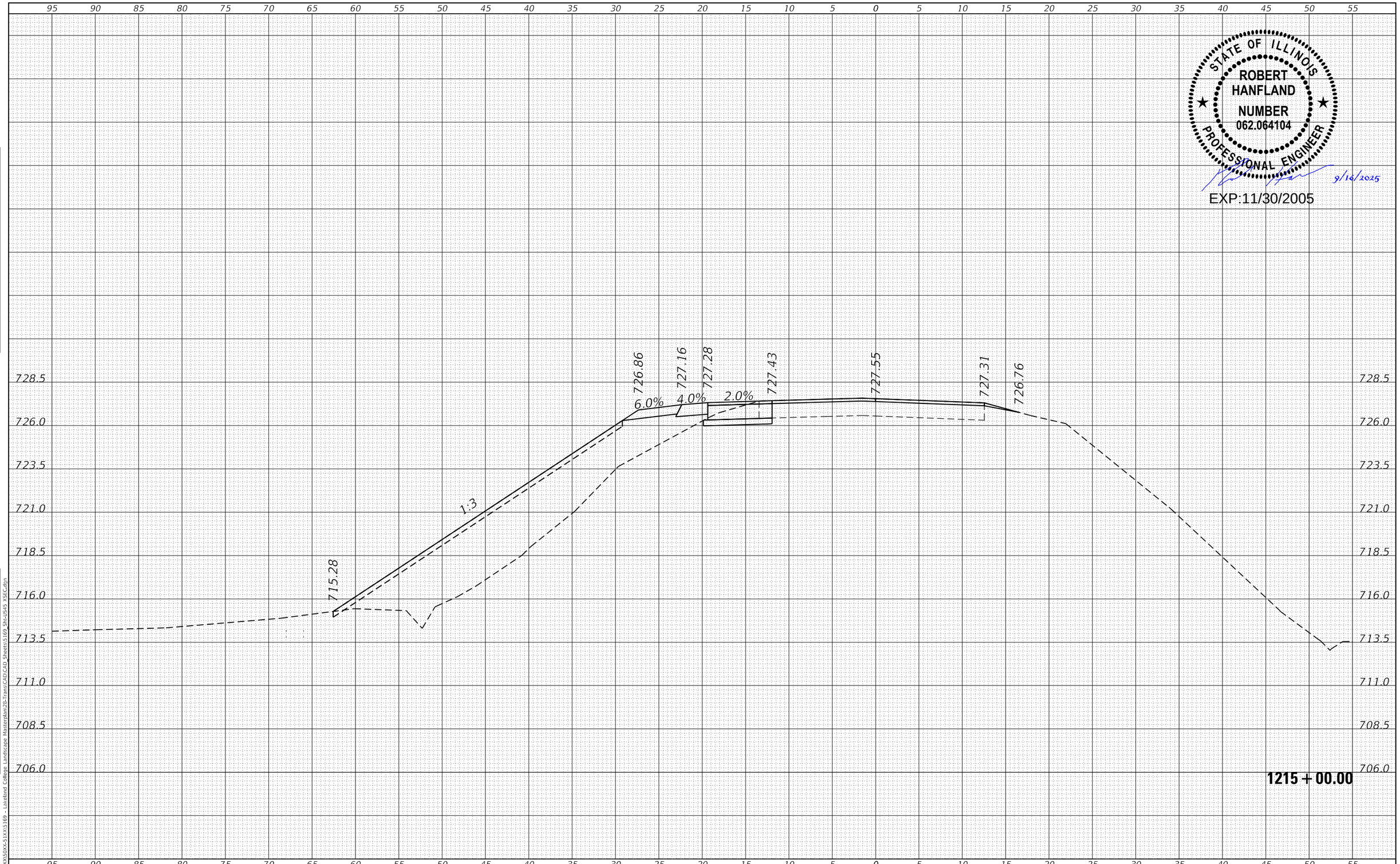

STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

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

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.
	SURVEYED	
	PLOTTED	
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	AREAS	
	AREAS CHECKED	

BY	DATE

MODEL: Default
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LICENSE #184.003222

USER NAME = SBales	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 7 OF 28 SHEETS | STA. 1215+00.00 | TO STA. 1215+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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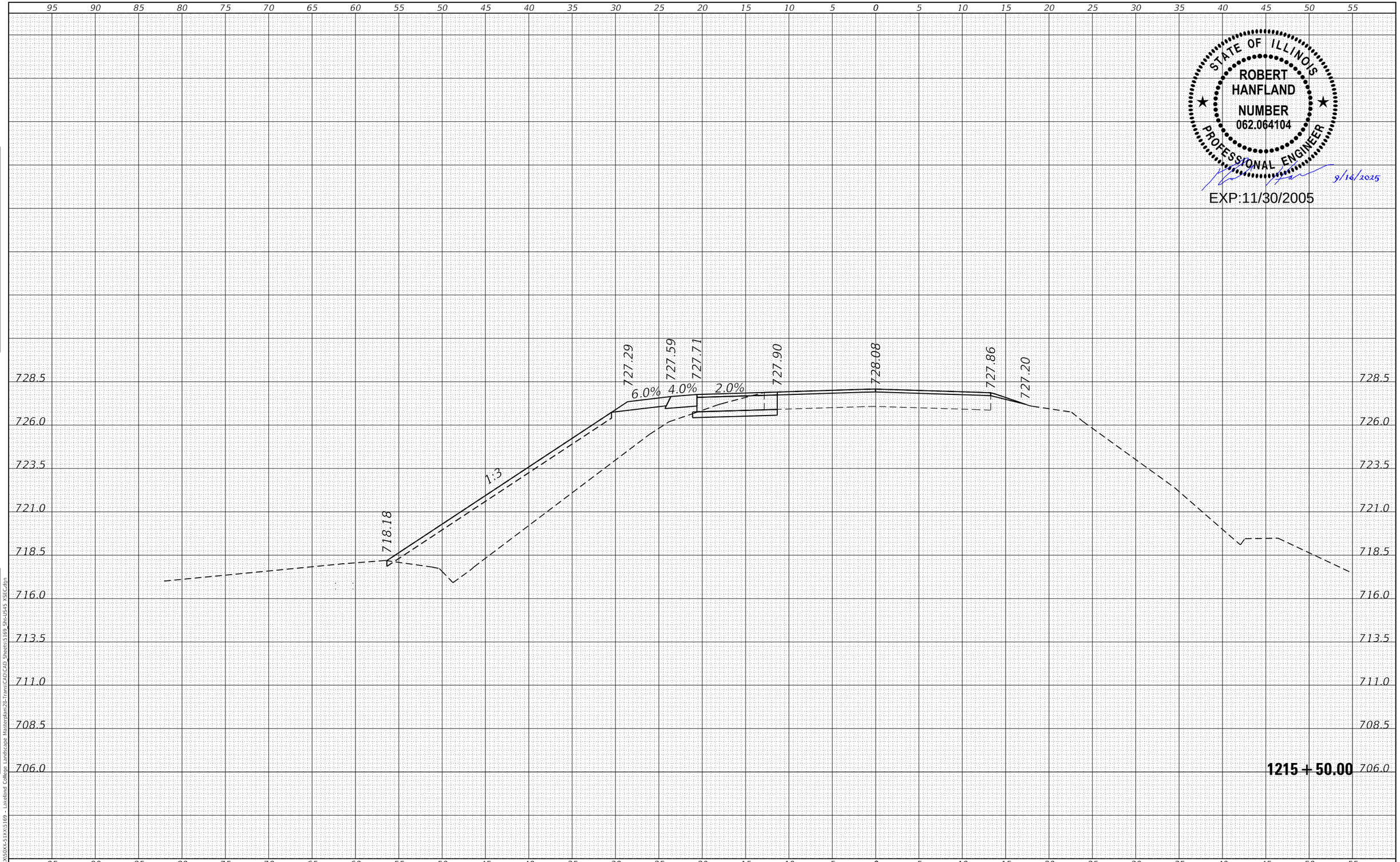
		CONTRACT NO. 5169		
		ILLINOIS	FED. AID PROJECT	



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

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

BY	DATE

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

BY	DATE

MODEL: Default
FILE NAME: P:\SXX\50XX-51XX\5169 - Lakeland College Landscape Masterplan\28-Trans\CAD\CAD Sheets\5169 Sht-US45 XSEC.dgn

CIVIL DESIGN, INC.
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EFFINGHAM, IL
LICENSE #184.003222

USER NAME = SBales	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 8 OF 28 SHEETS | STA. 1215+50.00 | TO STA. 1215+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.7
		CONTRACT NO. 5169		
		ILLINOIS	FED. AID PROJECT	

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730.5
728.0
725.5
723.0
720.5
718.0
715.5
713.0
710.5
708.0

727.85 728.15 728.27 728.47 728.68 728.29 727.73

6.0% 4.0% 2.0%

1:3

720.54

730.5
728.0
725.5
723.0
720.5
718.0
715.5
713.0
710.5
708

1216 + 00.00

95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55

STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

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

ORIGINAL GROUND SURVEY	NOTE BOOK	NO.
SURVEYED		
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TEMPLATE		
AREAS		
AREAS CHECKED		

BY	DATE

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LICENSE #184.003222

USER NAME = SBales	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 9 OF 28 SHEETS | STA. 1216+00.00 | TO STA. 1216+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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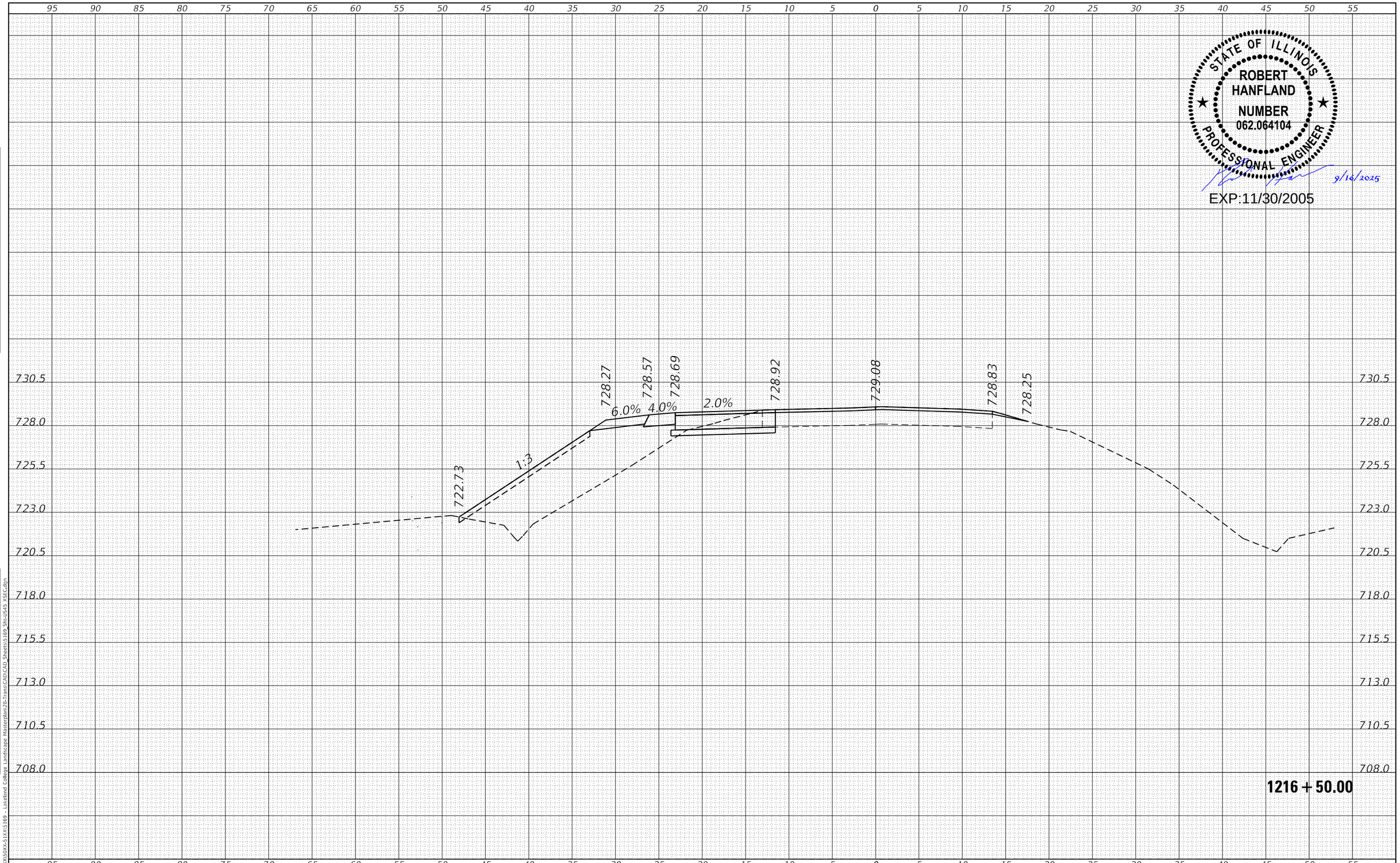

STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

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

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

BY	DATE

MODEL: Default
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CDI
CIVIL DESIGN, INC.
WBE | DBE
EFFINGHAM, IL
LICENSE #184.003222

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	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 10 OF 28 SHEETS | STA. 1216+50.00 | TO STA. 1216+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.9
		CONTRACT NO. 5169		
	ILLINOIS	FED. AID PROJECT		

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730.5
728.0
725.5
723.0
720.5
718.0
715.5
713.0
710.5
708.0

728.74 729.04 729.16 729.40 729.58 729.37 728.82

6.0% 4.0% 2.0%

1:4

725.03

1217 + 00.00

STATE OF ILLINOIS
ROBERT
HANFLAND
NUMBER
062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

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

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

MODEL: Default
FILE NAME: P:\SXXX\50XX-51XX\5169 - Lakeland College Landscape Masterplan\28-Trans\CAD\CAD Sheets\5169_Sht-US45 XSECs.dgn

CIVIL DESIGN, INC.
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EFFINGHAM, IL
LICENSE #184.003222

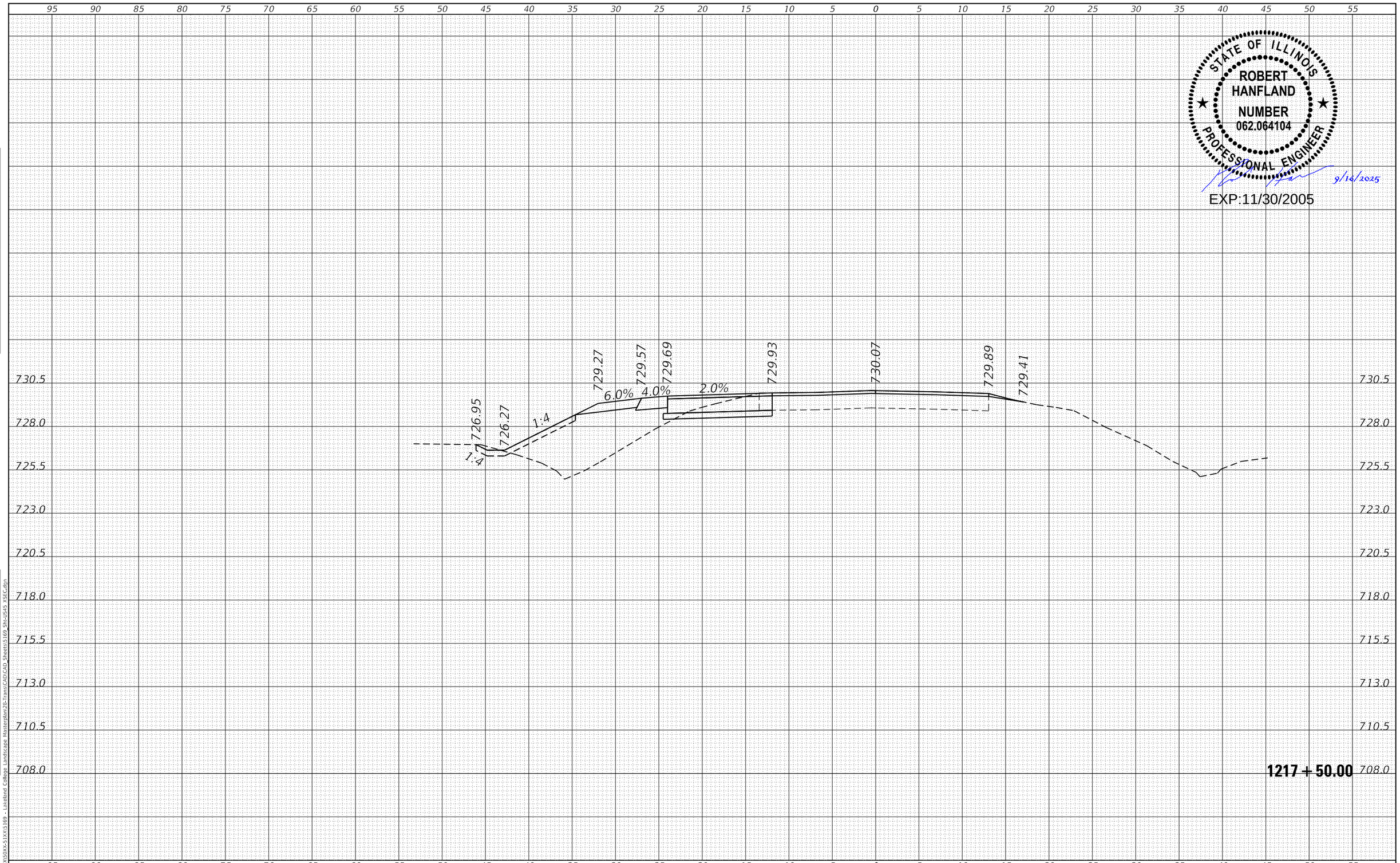
USER NAME = SBales	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 11 OF 28 SHEETS | STA. 1217+00.00 | TO STA. 1217+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COLES		C12.10
		CONTRACT NO. 5169		
		ILLINOIS	FED. AID PROJECT	



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

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

DATE	BY

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

DATE	BY

MODEL: Default
FILE NAME: P:\SXXS\SXXS60XX-51XXS\169 - Lakeland College Landscape Masterplan\2b-Trans\CAD\CAD Sheets\5169_Sht-US45_XSEC.dgn

CIVIL DESIGN, INC.
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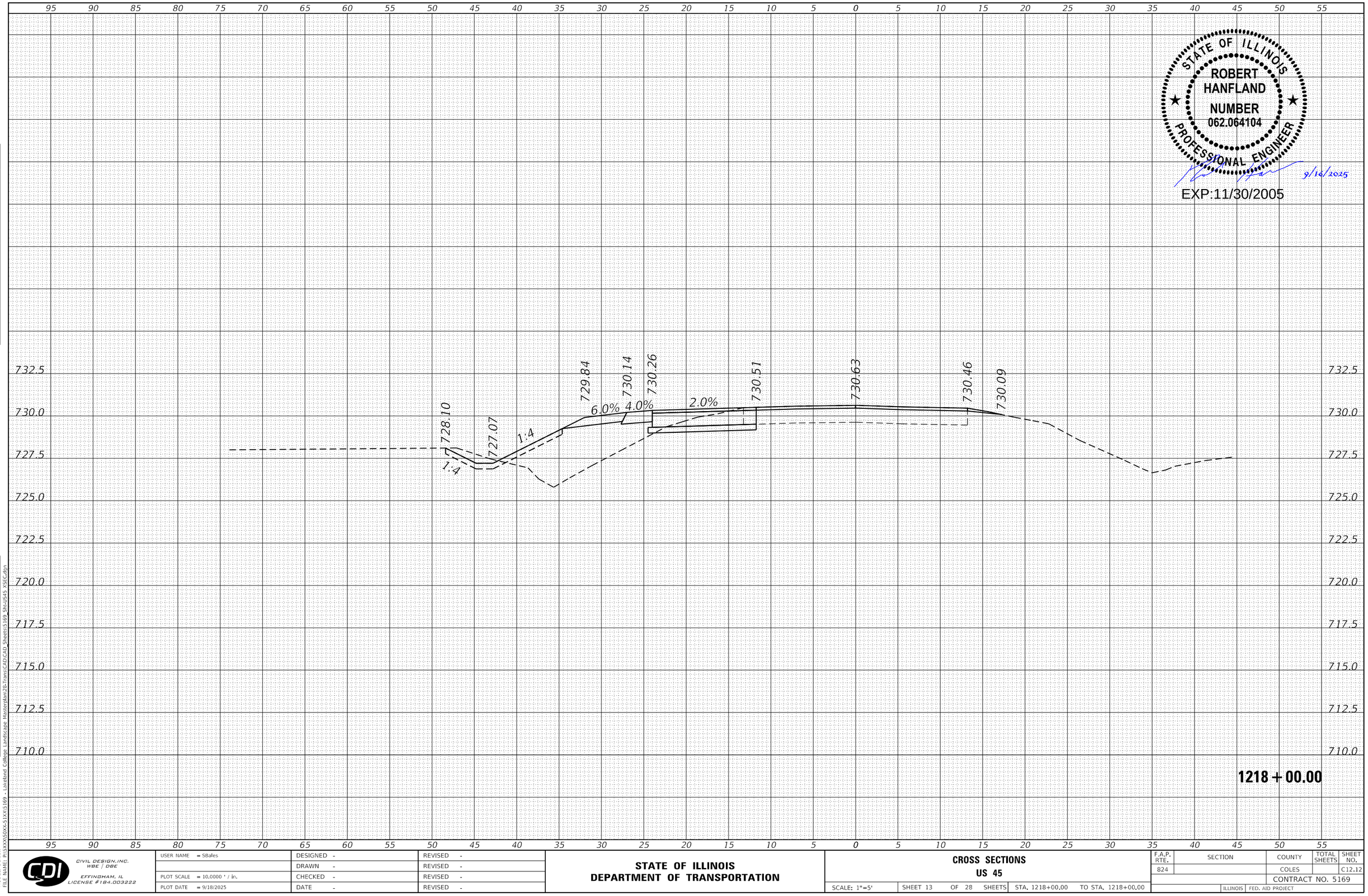
USER NAME = SBales	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 12 OF 28 SHEETS | STA. 1217+50.00 | TO STA. 1217+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.11
		CONTRACT NO. 5169		
	ILLINOIS	FED. AID PROJECT		



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

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

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

MODEL: Default
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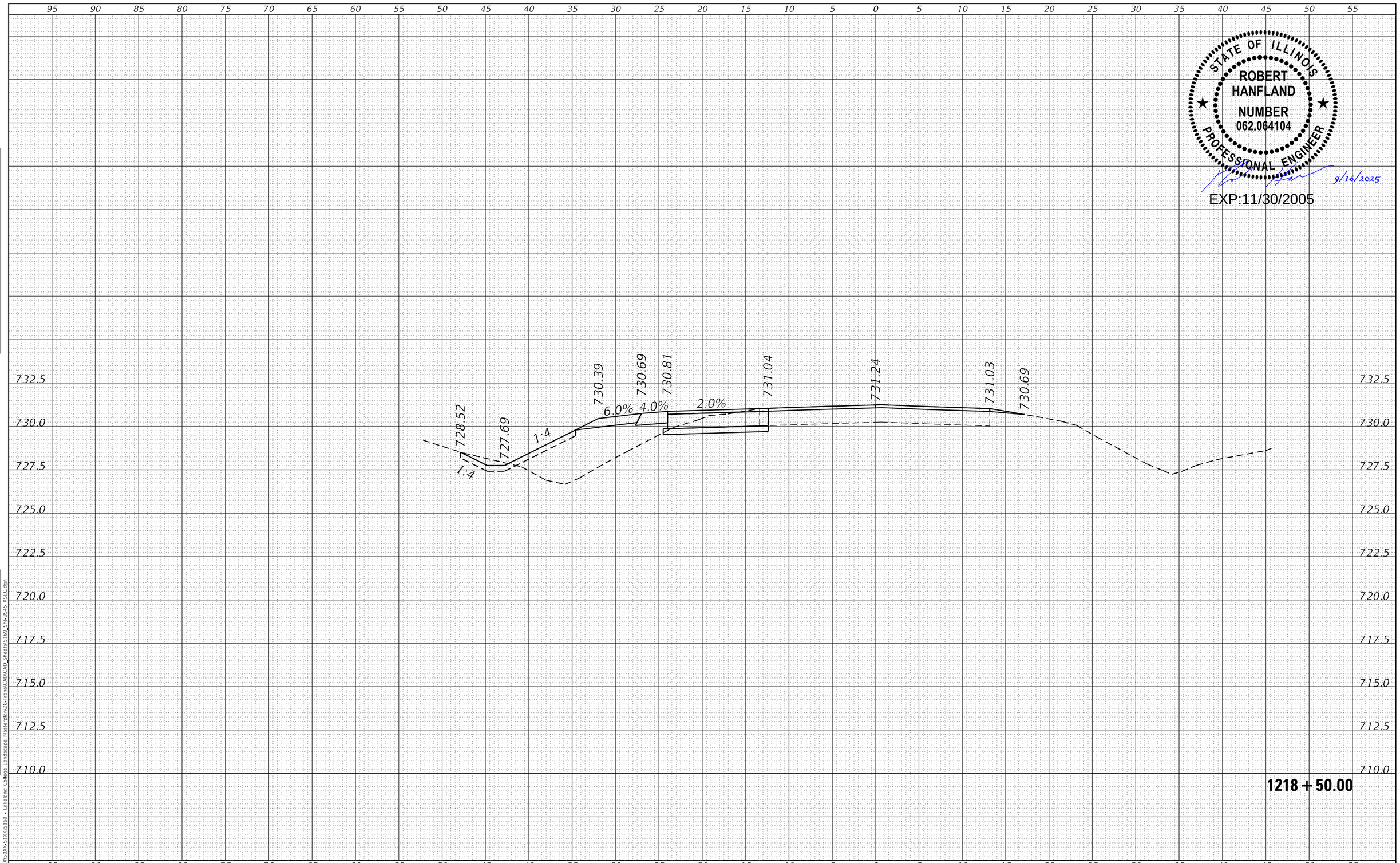
USER NAME = SBales	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 13 OF 28 SHEETS | STA. 1218+00.00 TO STA. 1218+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.12
		CONTRACT NO. 5169		
		ILLINOIS	FED. AID PROJECT	



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

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

DATE	BY

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

DATE	BY

MODEL: Default
FILE NAME: P:\5XX\X50XX-51XX\5169 - Lakeland College Landscape Masterplan\2b-Trans\CAD\CAD Sheets\5169_Sht-US45_XSEC.dgn

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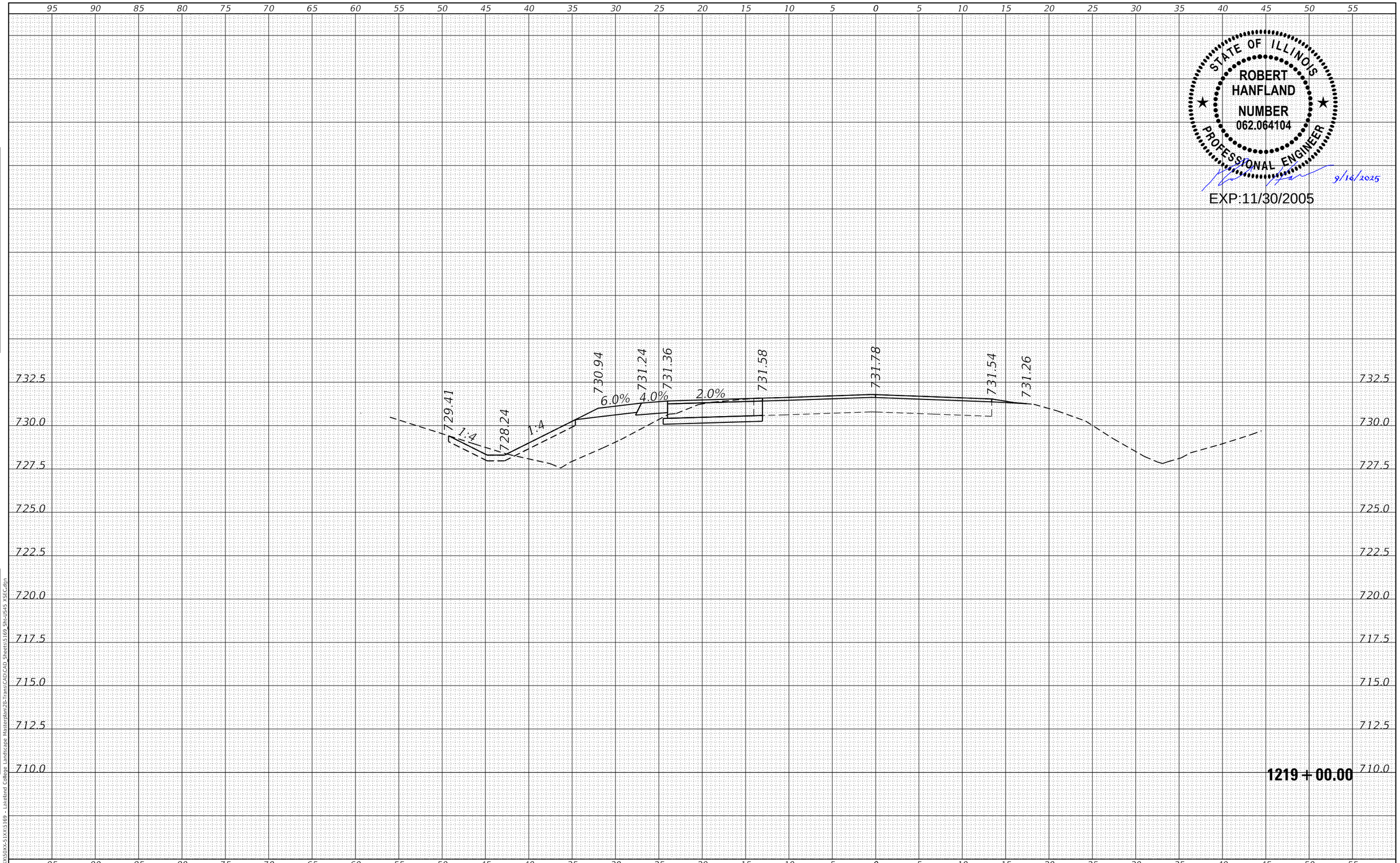
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 14 OF 28 SHEETS | STA. 1218+50.00 | TO STA. 1218+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.13
		CONTRACT NO. 5169		
	ILLINOIS	FED. AID PROJECT		



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED	PLOTTED	AREAS CHECKED

DATE	BY

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED	PLOTTED	AREAS CHECKED

DATE	BY

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PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US

SCALE: 1"=5' | SHEET 15 OF 28 SHEETS | STA. 1219+00.00 | TO STA. 1219+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.14
		CONTRACT NO. 5169		
	ILLINOIS	FED. AID PROJECT		

95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55

740.0
737.5
735.0
732.5
730.0
727.5
725.0
722.5
720.0

732.07
731.82
731.54

STATE OF ILLINOIS
ROBERT
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NUMBER
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9/16/2025

EXP:11/30/2005

1219+27.83
ENTRANCE RT

FINAL SURVEY	NOTE BOOK	NO.

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

BY	DATE

ORIGINAL SURVEY	NOTE BOOK	NO.

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

BY	DATE

MODEL: Default
FILE NAME: P:\SXXS\SXXS60XX-51XXS\169 - Lakeland College Landscape Masterplan\2b-Trans\CAD\CAD Sheets\5169_Sht-US45_XSEC.dgn

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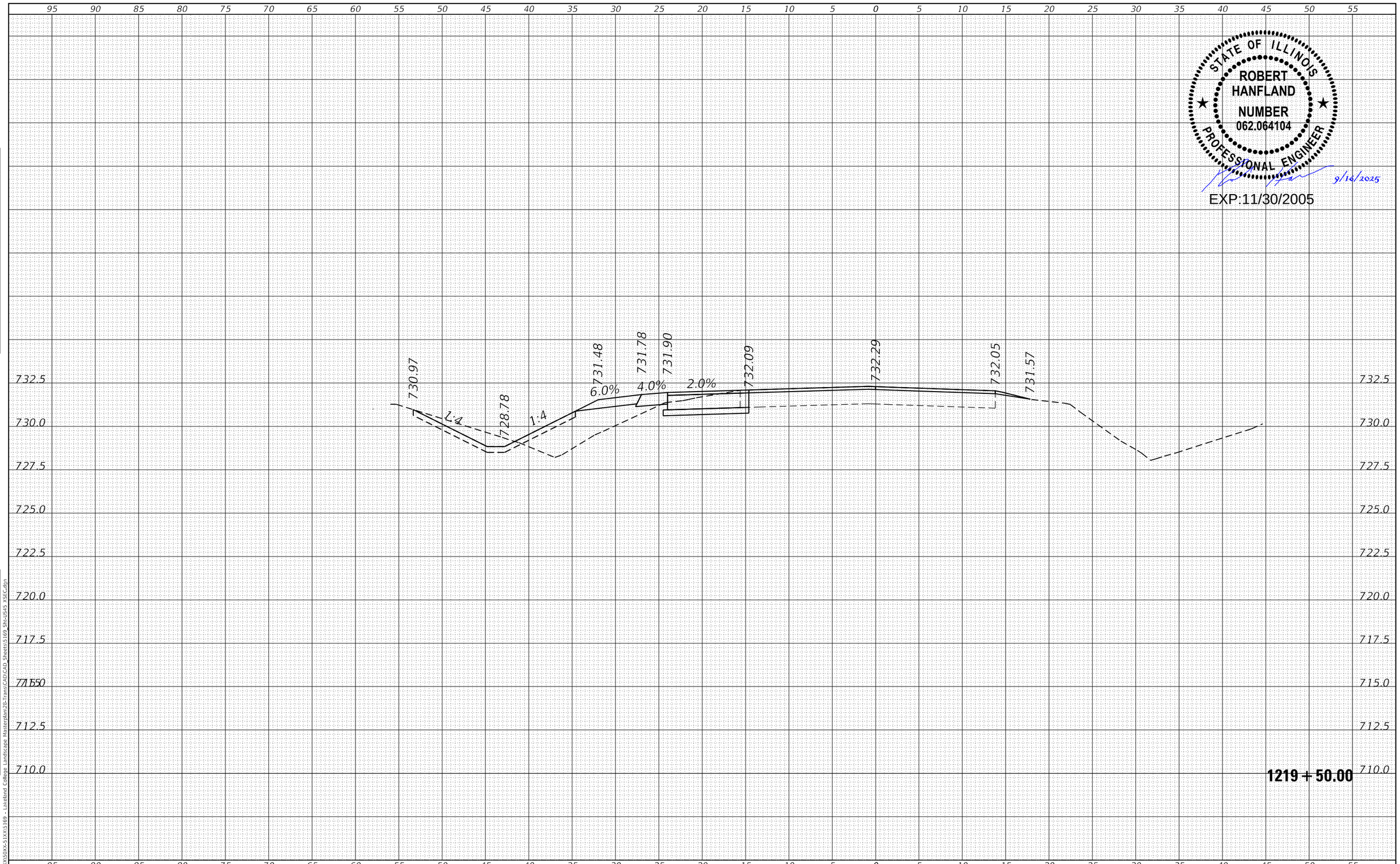
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 16 OF 28 SHEETS | STA. 1219+27.83 | TO STA. 1219+27.83

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.15
		CONTRACT NO. 5169		
	ILLINOIS	FED. AID PROJECT		



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

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

ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED		
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AREAS		
AREAS CHECKED		

DATE | BY

MODEL: Default
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CIVIL DESIGN, INC.
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PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 17 OF 28 SHEETS | STA. 1219+50.00 | TO STA. 1219+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.16
		CONTRACT NO. 5169		
	ILLINOIS	FED. AID PROJECT		

95 90 85 80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55

734.5
732.0
729.5
727.0
724.5
722.0
719.5
717.0
714.5
712.0

730.95
729.25
731.95
732.25
732.37
732.56
732.76
732.49
732.09
1:4
1:4
6.0%
4.0%
2.0%

STATE OF ILLINOIS
ROBERT
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NUMBER
062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

1220+00.00

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

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

BY	DATE

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FILE NAME: P:\SXXS\50XX-51XX\5169 - Lakeland College Landscape Masterplan\2b-Trans\CAD\CAD Sheets\5169_Sht-US45_XSEC.dgn

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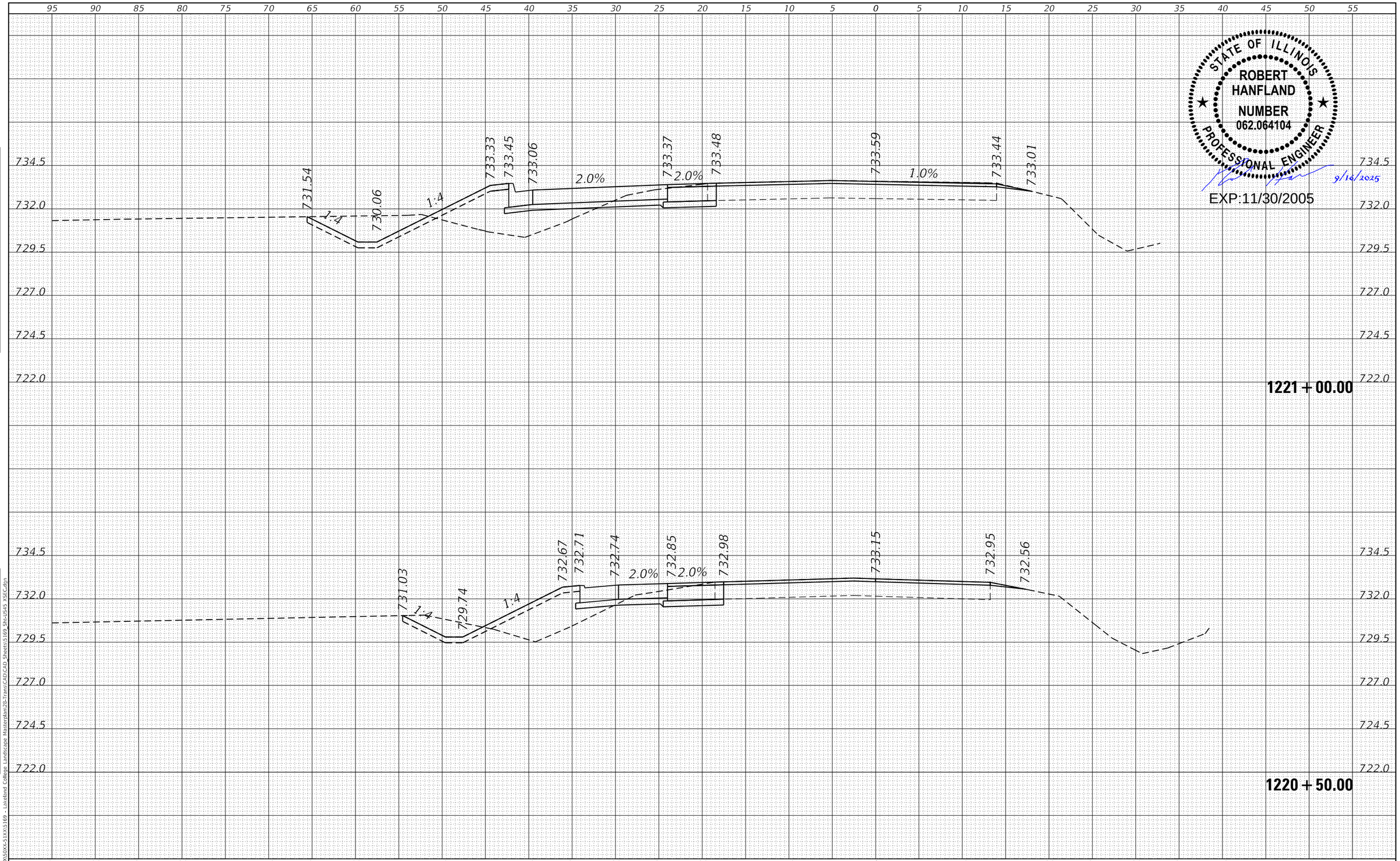
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 18 OF 28 SHEETS | STA. 1220+00.00 | TO STA. 1220+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.17
		CONTRACT NO. 5169		
	ILLINOIS	FED. AID PROJECT		



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

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

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LICENSE #184.003222

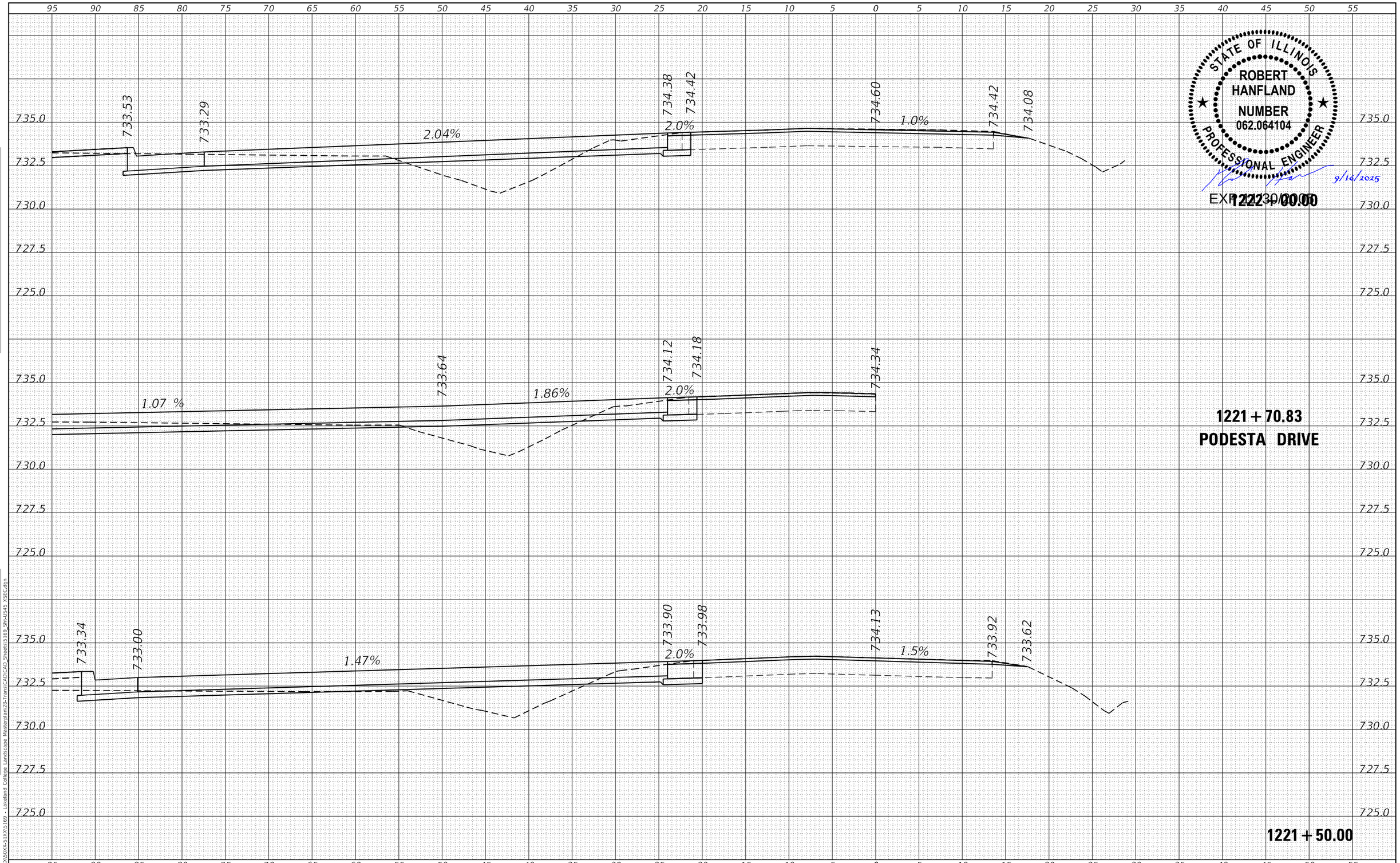
USER NAME = SBales	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 19 OF 28 SHEETS | STA. 1220+50.00 TO STA. 1221+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.18
		CONTRACT NO. 5169		
		ILLINOIS	FED. AID PROJECT	



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXPIRES 11/30/2025

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

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

MODEL: Default
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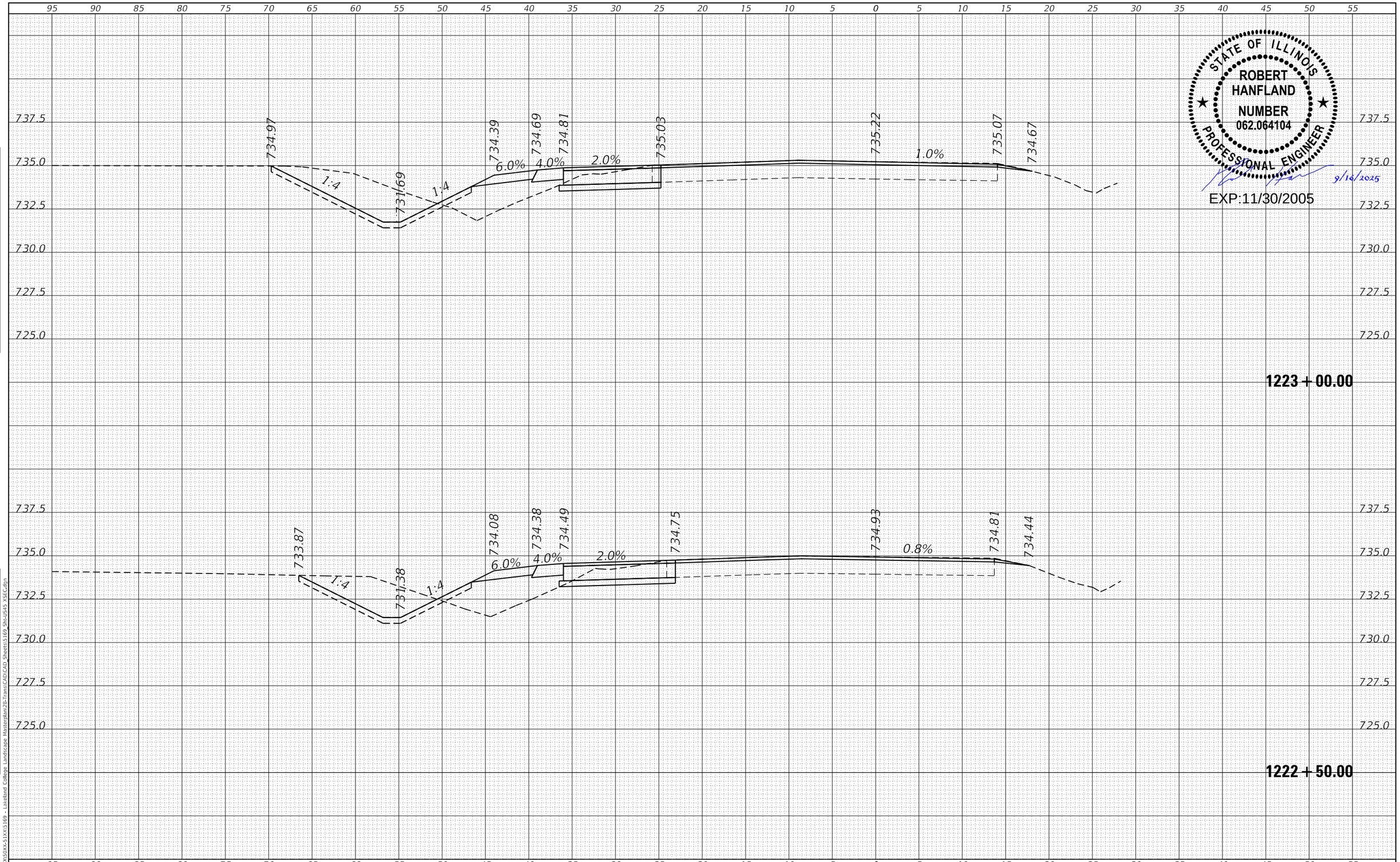
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5" | SHEET 20 OF 28 SHEETS | STA. 1221+50.00 | TO STA. 1221+70.83

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.19
		CONTRACT NO. 5169		
	ILLINOIS	FED. AID PROJECT		



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

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

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

MODEL: Default
FILE NAME: P:\SXXX\50XX-51XX\5169 - Lakeland College Landscape Masterplan\28-Trans\CAD\CAD Sheets\5169_Sht-U545_XSEC.dgn

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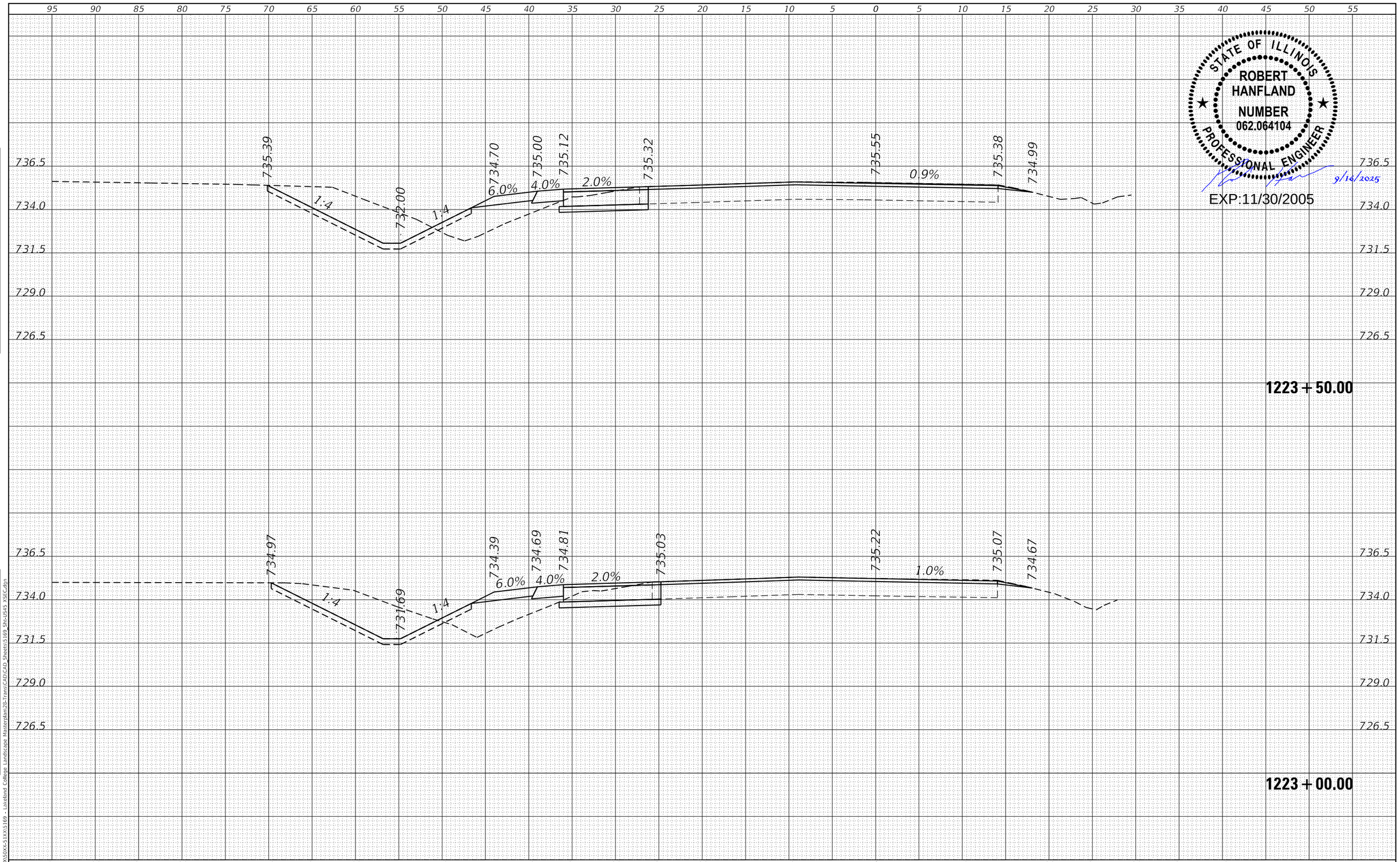
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 21 OF 28 SHEETS | STA. 1222+00.00 TO STA. 1222+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.20
		CONTRACT NO. 5169		
		ILLINOIS	FED. AID PROJECT	



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
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9/16/2025
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FINAL SURVEY — NOTE BOOK — NO. — BY — DATE
SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

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

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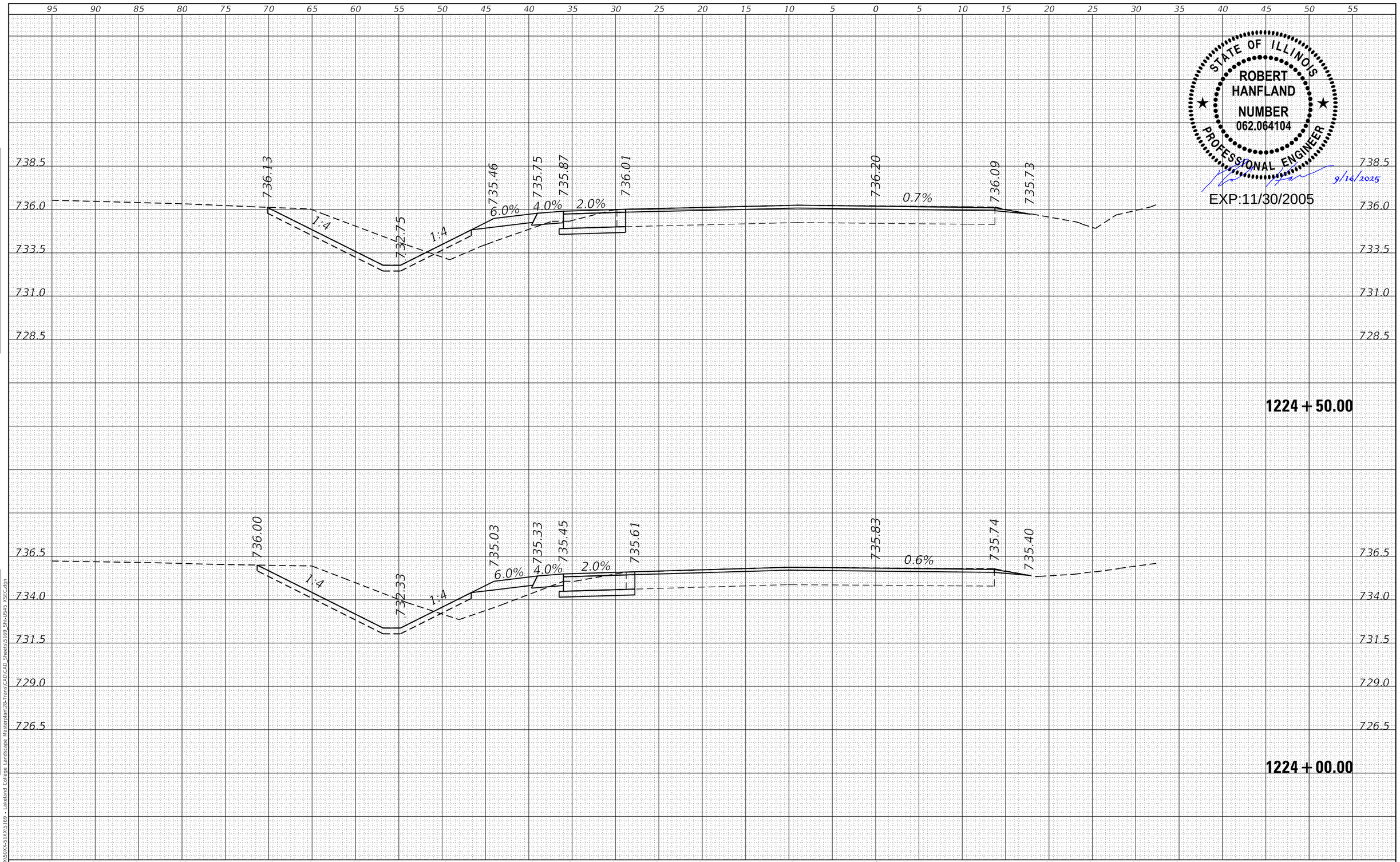
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 22 OF 28 SHEETS | STA. 1223+00.00 | TO STA. 1223+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.21
		CONTRACT NO. 5169		
		ILLINOIS	FED. AID PROJECT	



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

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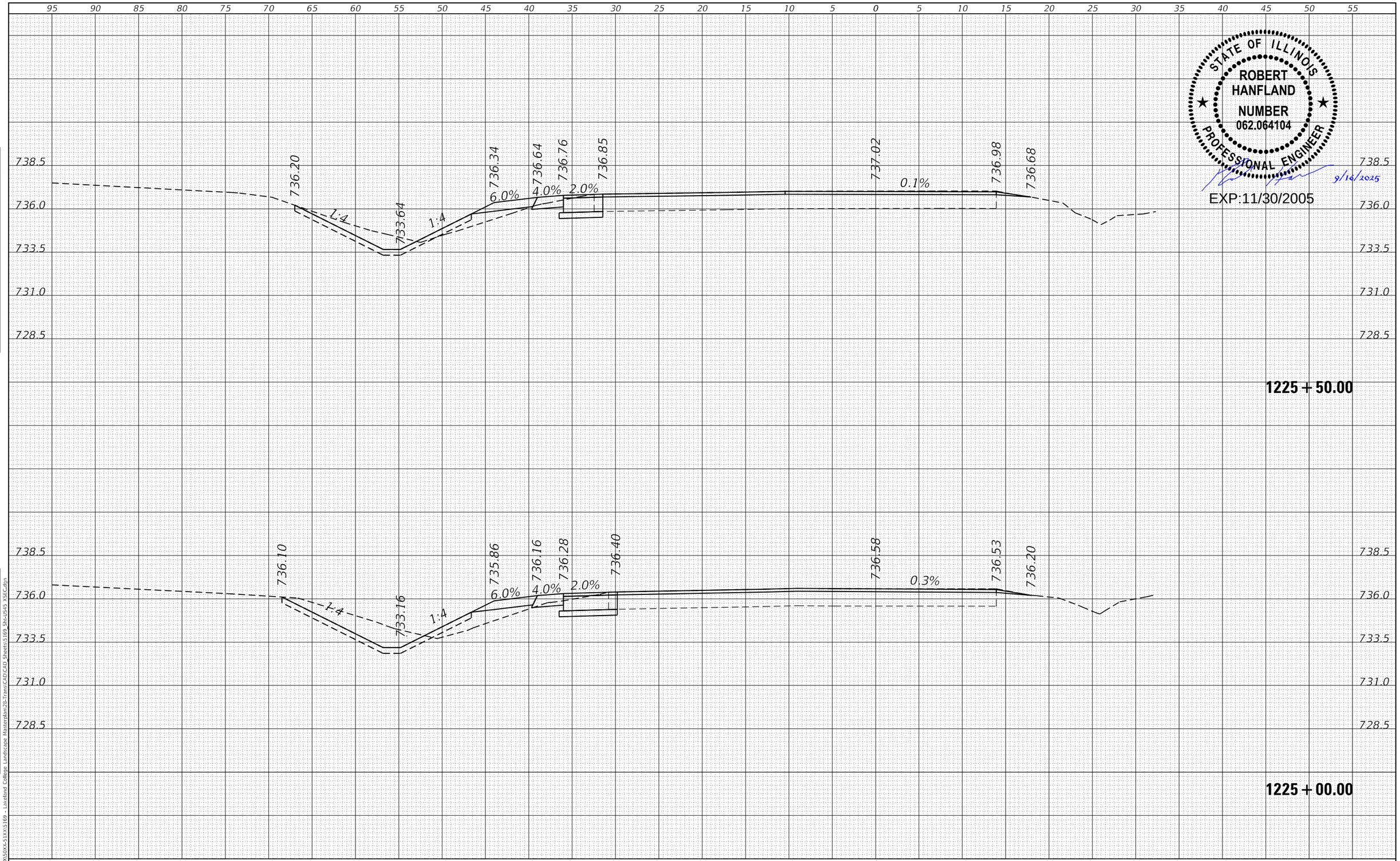
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 23 OF 28 SHEETS | STA. 1224+00.00 TO STA. 1224+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COLES		C12.22
		CONTRACT NO. 5169		
		ILLINOIS	FED. AID PROJECT	



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

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

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

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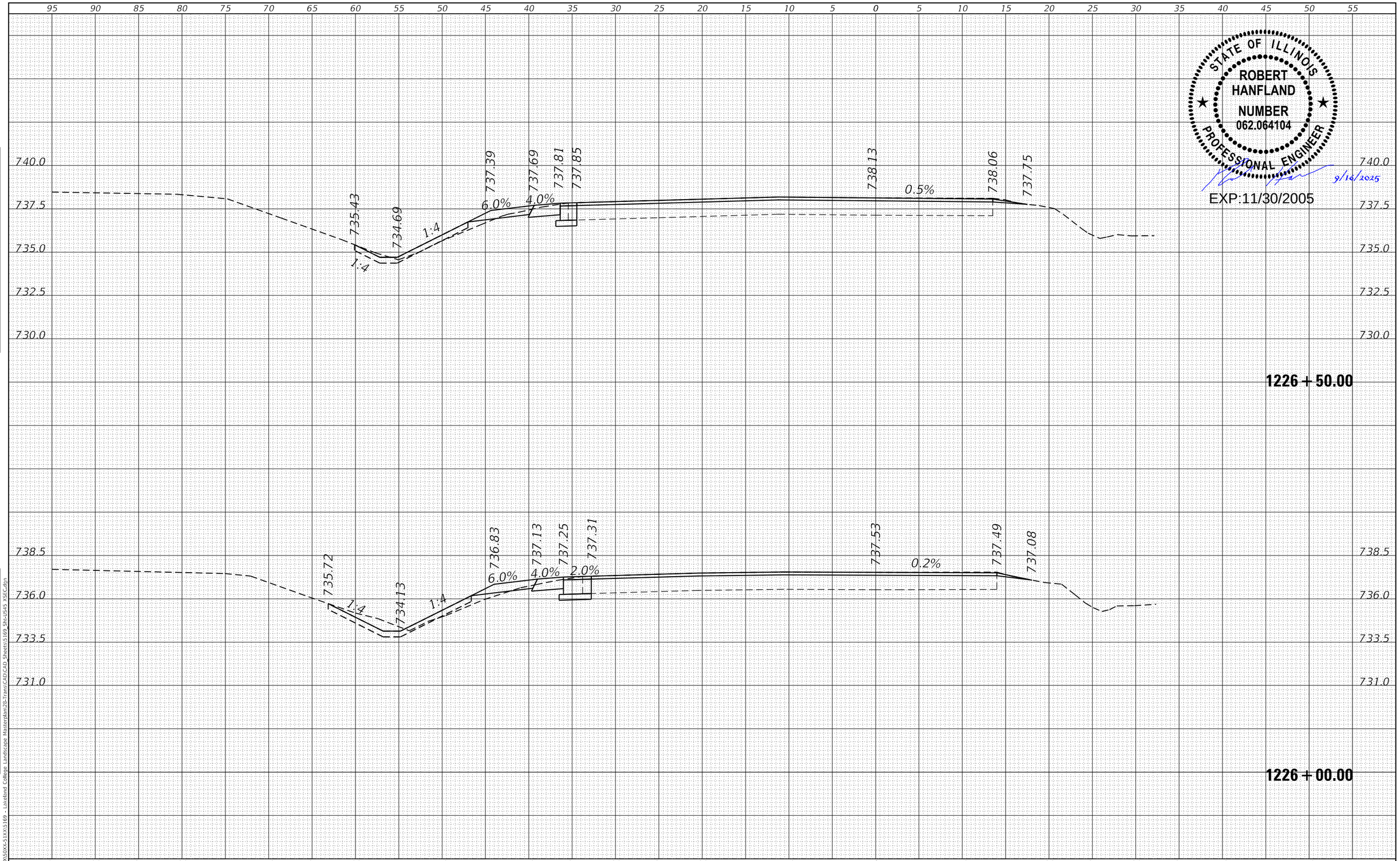
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 24 OF 28 SHEETS | STA. 1225+00.00 TO STA. 1225+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.23
		CONTRACT NO. 5169		
		ILLINOIS	FED. AID PROJECT	



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9/16/2025
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FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

ORIGINAL SURVEY
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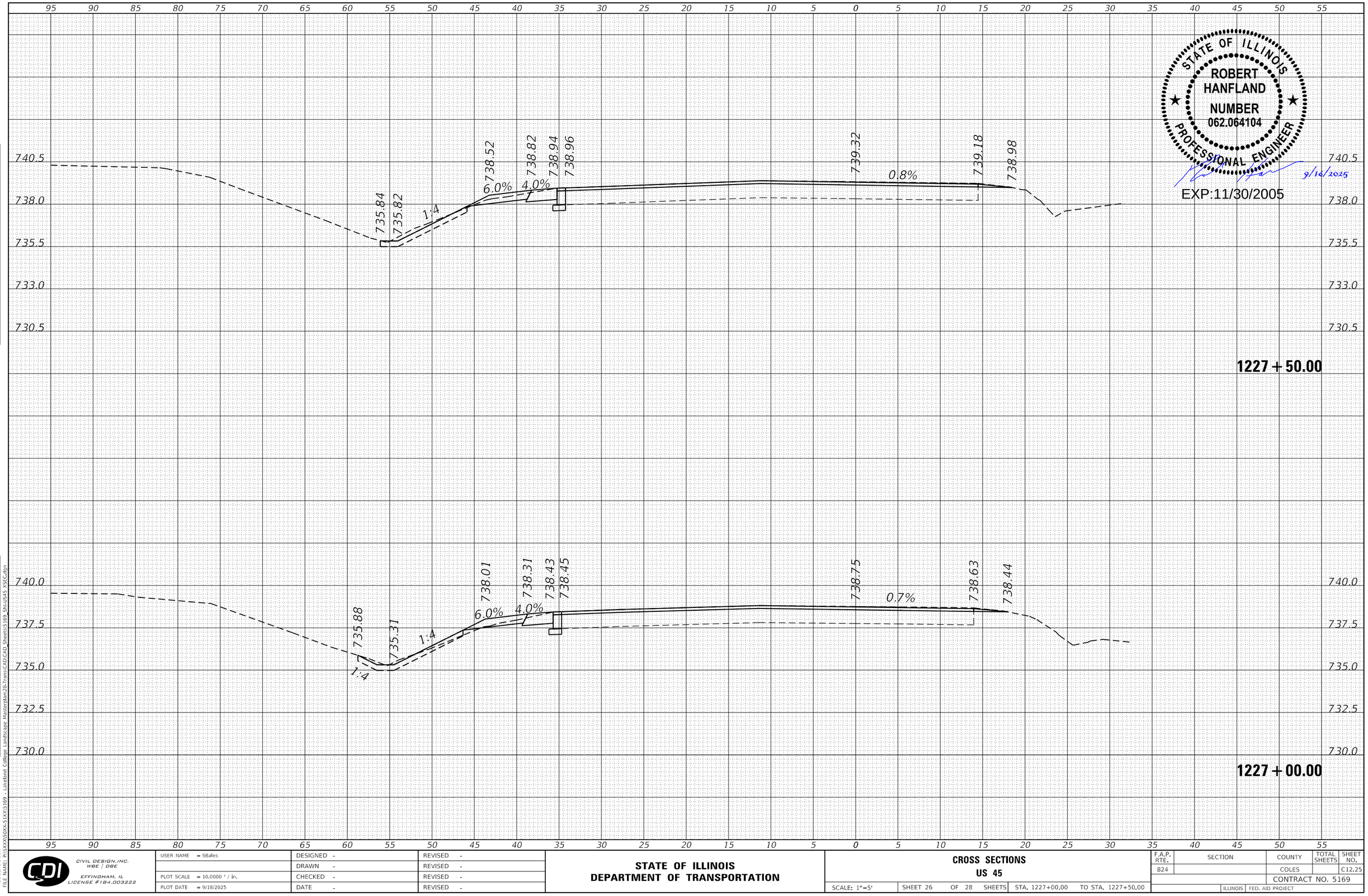
USER NAME = SBales	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 25 OF 28 SHEETS | STA. 1226+00.00 TO STA. 1226+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		COLES		C12.24
		CONTRACT NO. 5169		
		ILLINOIS	FED. AID PROJECT	



STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER
9/16/2025
EXP:11/30/2005

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

ORIGINAL SURVEY
NOTE BOOK
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CIVIL DESIGN, INC.
WBE | DBE
EFFINGHAM, IL
LICENSE #184.003222

USER NAME = SBales	DESIGNED -	REVISED -
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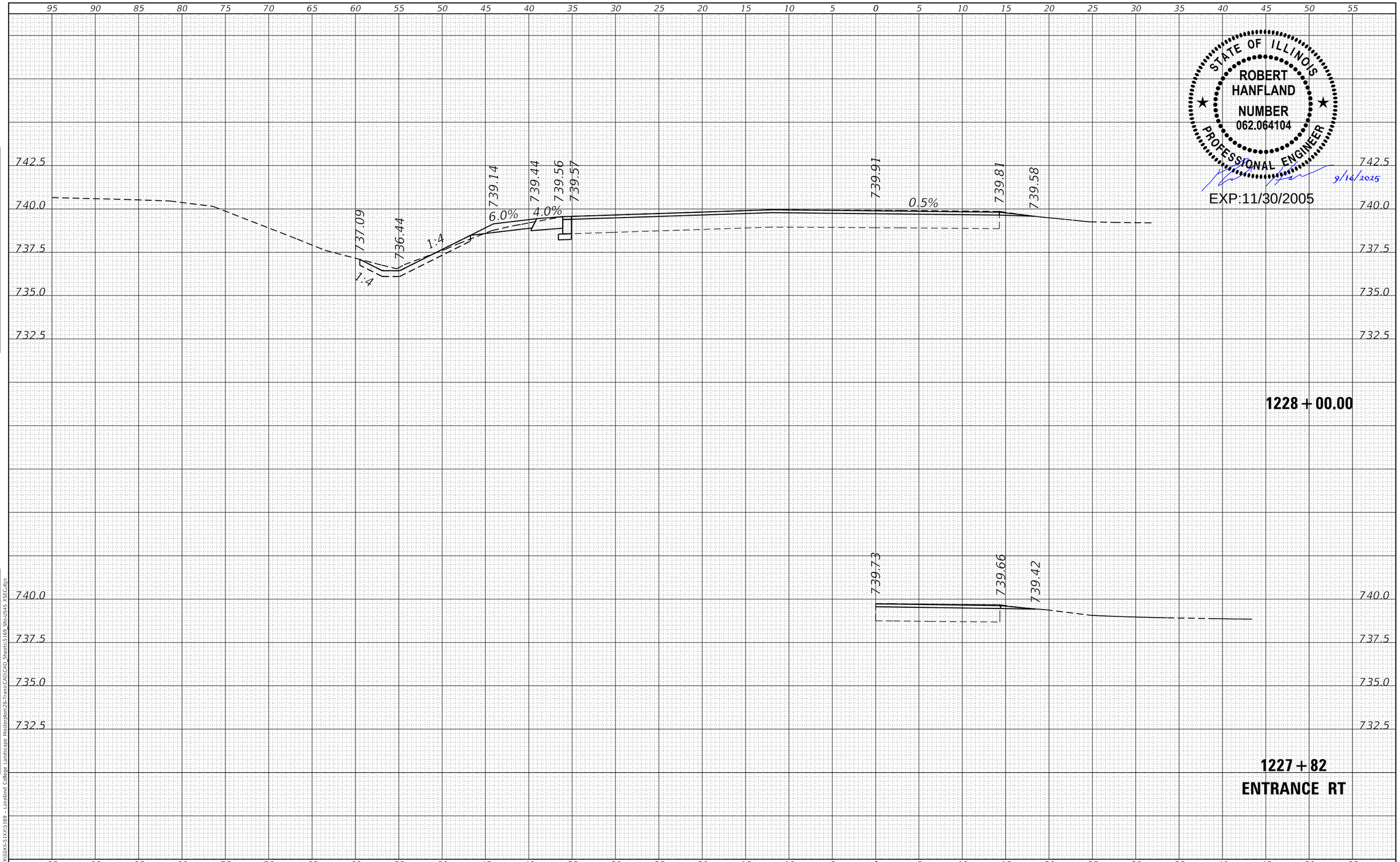
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 26 OF 28 SHEETS | STA. 1227+00.00 TO STA. 1227+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.25
		CONTRACT NO. 5169		
	ILLINOIS	FED. AID PROJECT		



STATE OF ILLINOIS
ROBERT HANFLAND
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9/16/2025
EXP:11/30/2005

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

ORIGINAL SURVEY	DATE	BY
NOTE BOOK	SURVEYED	
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	TEMPLATE	
	AREAS	
	AREAS CHECKED	

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CIVIL DESIGN, INC.
WBE | DBE
EFFINGHAM, IL
LICENSE #184.003222

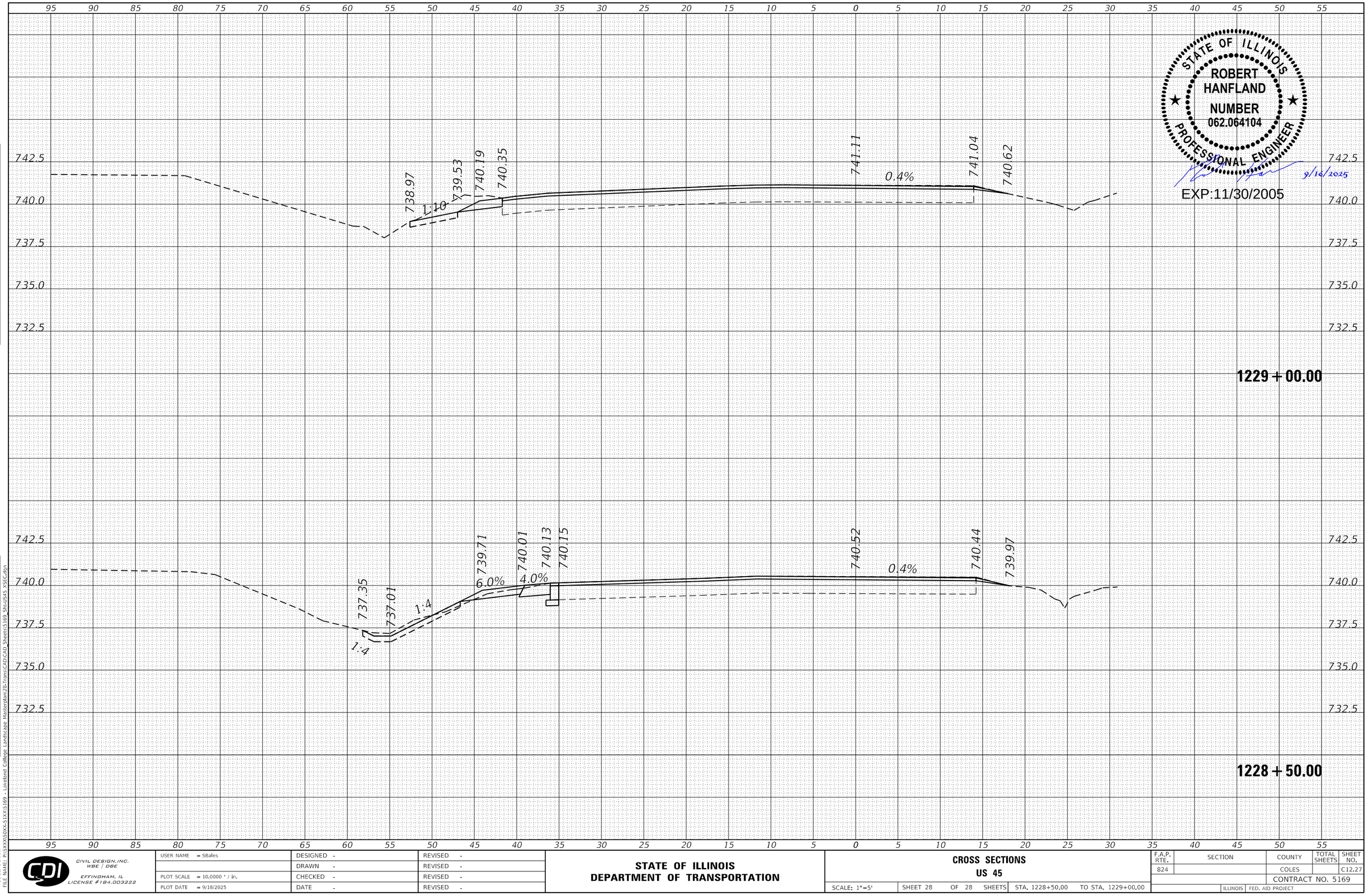
USER NAME = SBales	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 27 OF 28 SHEETS | STA. 1227+85.82 TO STA. 1228+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.26
		CONTRACT NO. 5169		
		ILLINOIS	FED. AID PROJECT	



STATE OF ILLINOIS
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PROFESSIONAL ENGINEER
EXP:11/30/2005
9/16/2025

FINAL SURVEY
NOTE BOOK
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ORIGINAL SURVEY
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USER NAME = SBales	DESIGNED -	REVISED -
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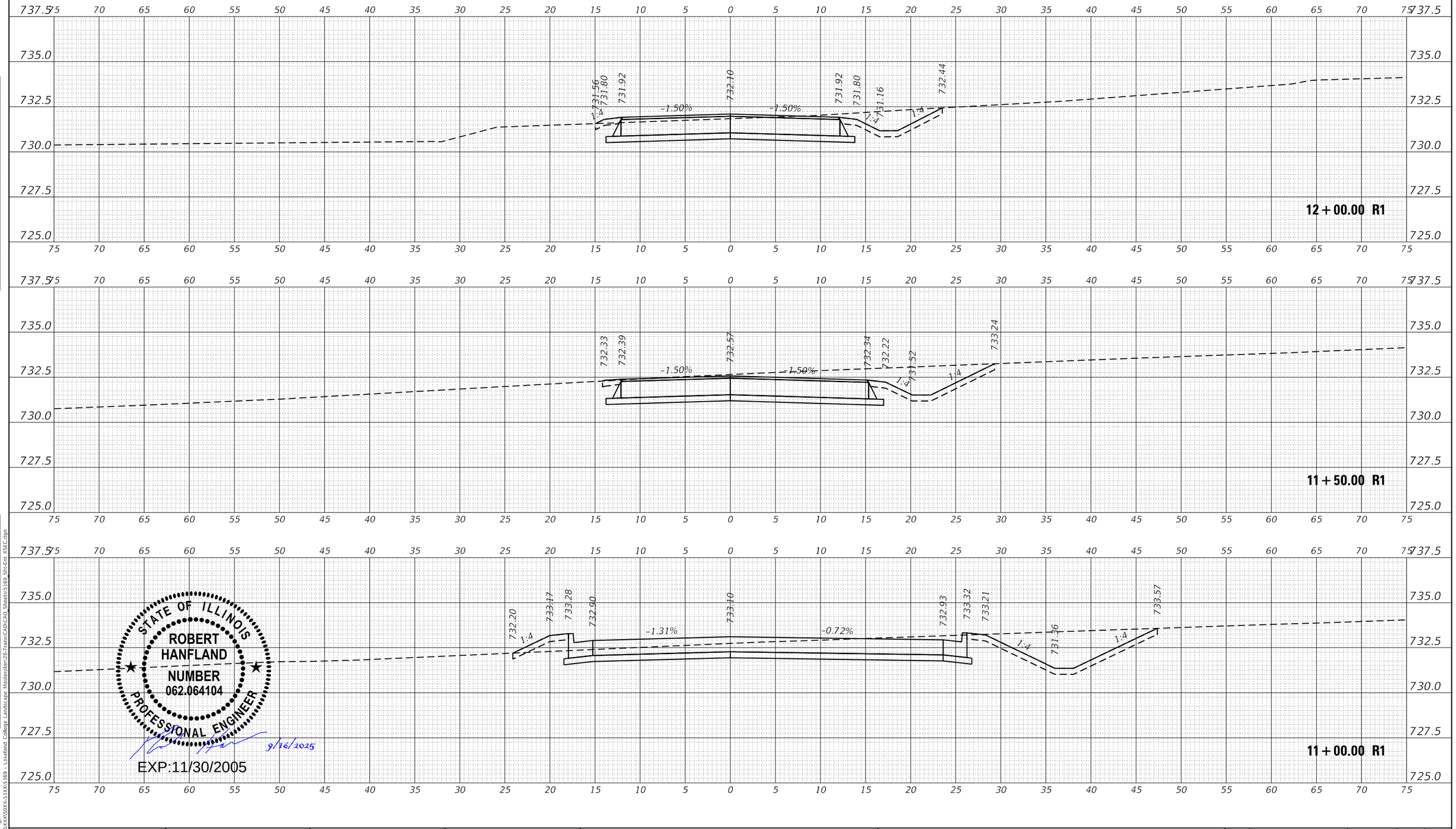
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
US 45

SCALE: 1"=5' | SHEET 28 OF 28 SHEETS | STA. 1228+50.00 TO STA. 1229+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.27
		CONTRACT NO. 5169		
		ILLINOIS	FED. AID PROJECT	



STATE OF ILLINOIS
ROBERT HANFLAND
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PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

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

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

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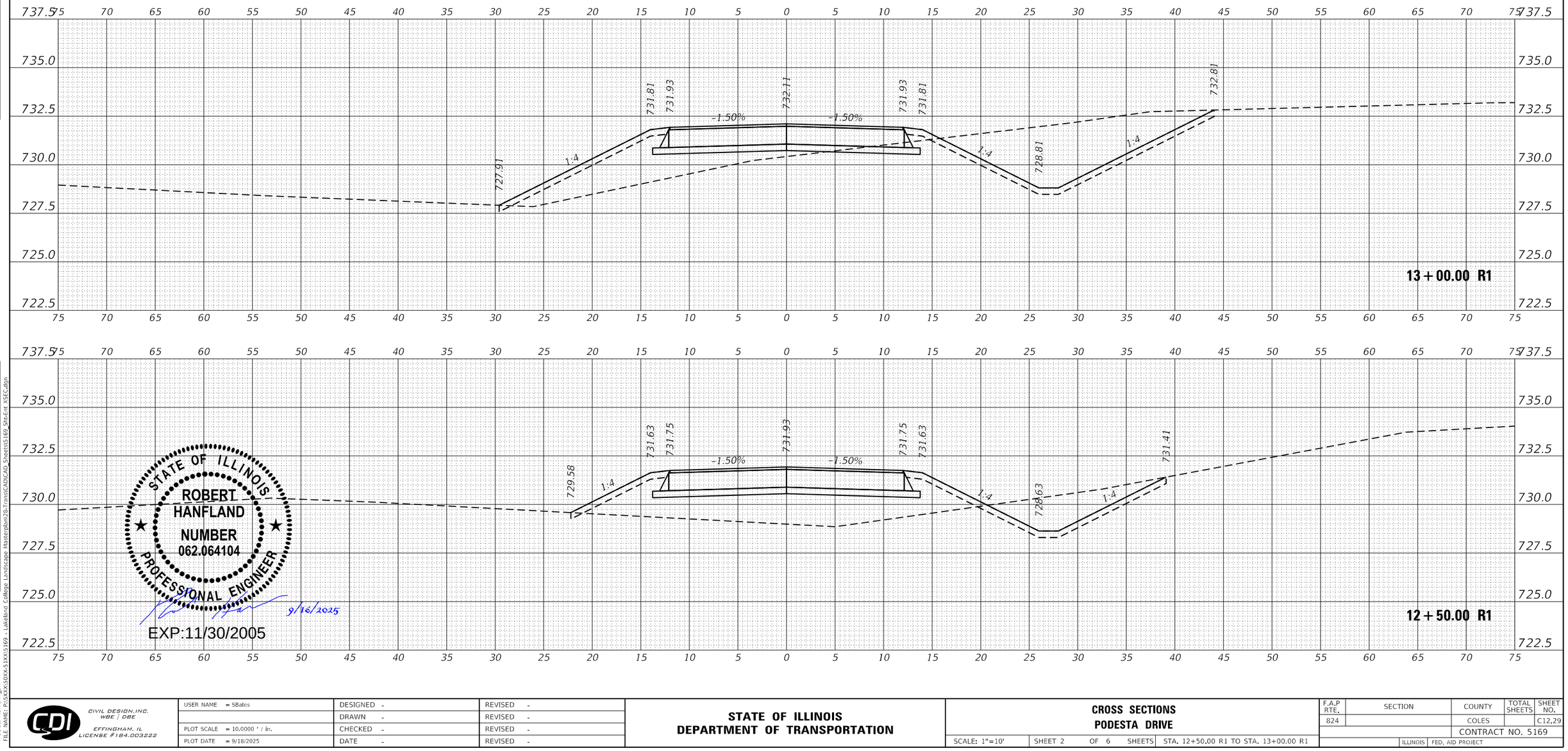
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
PODESTA DRIVE

SCALE: 1"=5' | SHEET 1 OF 6 SHEETS | STA. 11+00.00 R1 TO STA. 12+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.28
		CONTRACT NO. 5169		
	ILLINOIS	FED. AID PROJECT		



STATE OF ILLINOIS
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PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005

CIVIL DESIGN, INC. WBE | DBE EFFINGHAM, IL LICENSE #184.003222	USER NAME = SBales	DESIGNED -	REVISED -
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	PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
PODESTA DRIVE

SCALE: 1"=10' | SHEET 2 OF 6 SHEETS | STA. 12+50.00 R1 TO STA. 13+00.00 R1

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.29
		CONTRACT NO. 5169		
	ILLINOIS	FED. AID PROJECT		

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

DATE | BY | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | NOTE BOOK | NO.
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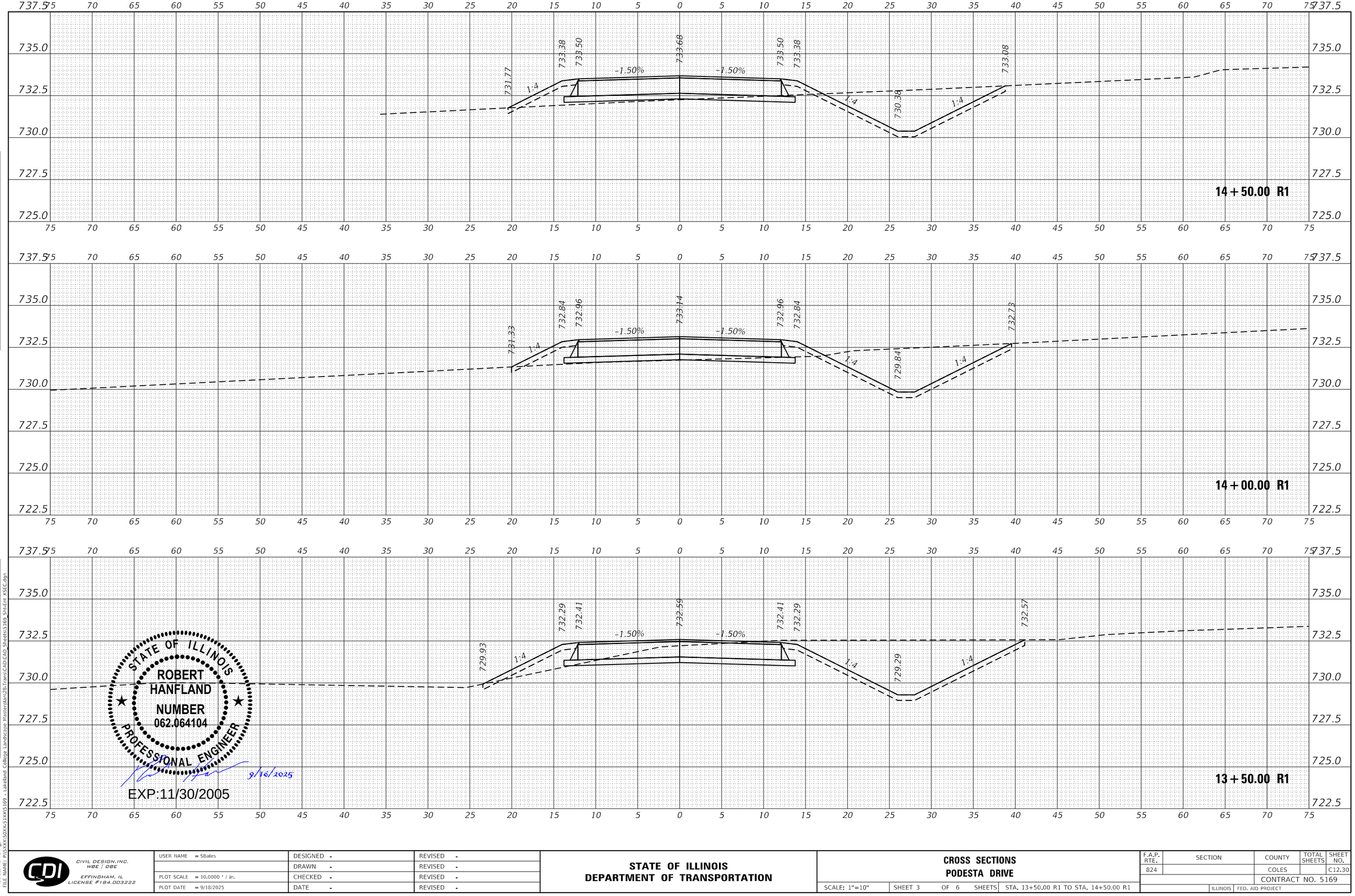

STATE OF ILLINOIS
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9/16/2025

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	PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
PODESTA DRIVE

SCALE: 1"=10" | SHEET 3 OF 6 SHEETS | STA. 13+50.00 R1 TO STA. 14+50.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.30
		CONTRACT NO. 5169		
	ILLINOIS	FED. AID PROJECT		

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

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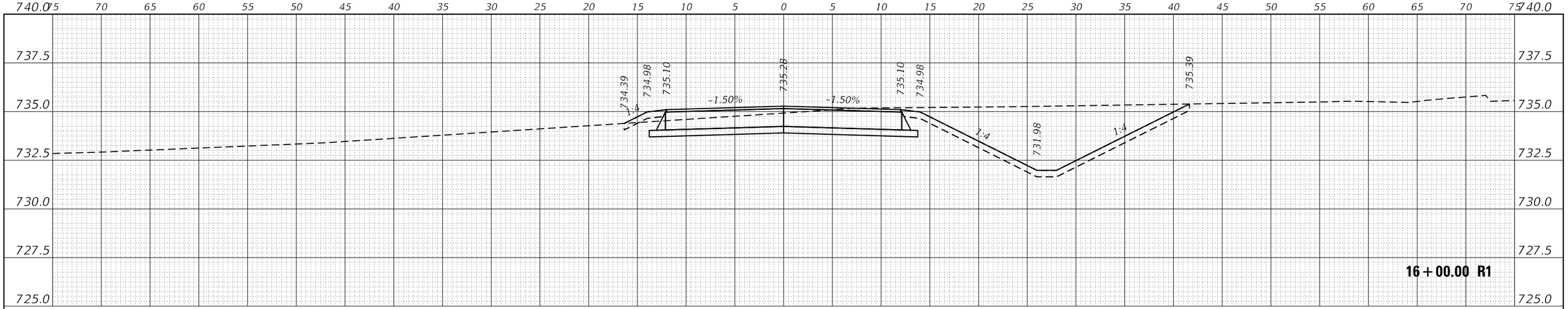

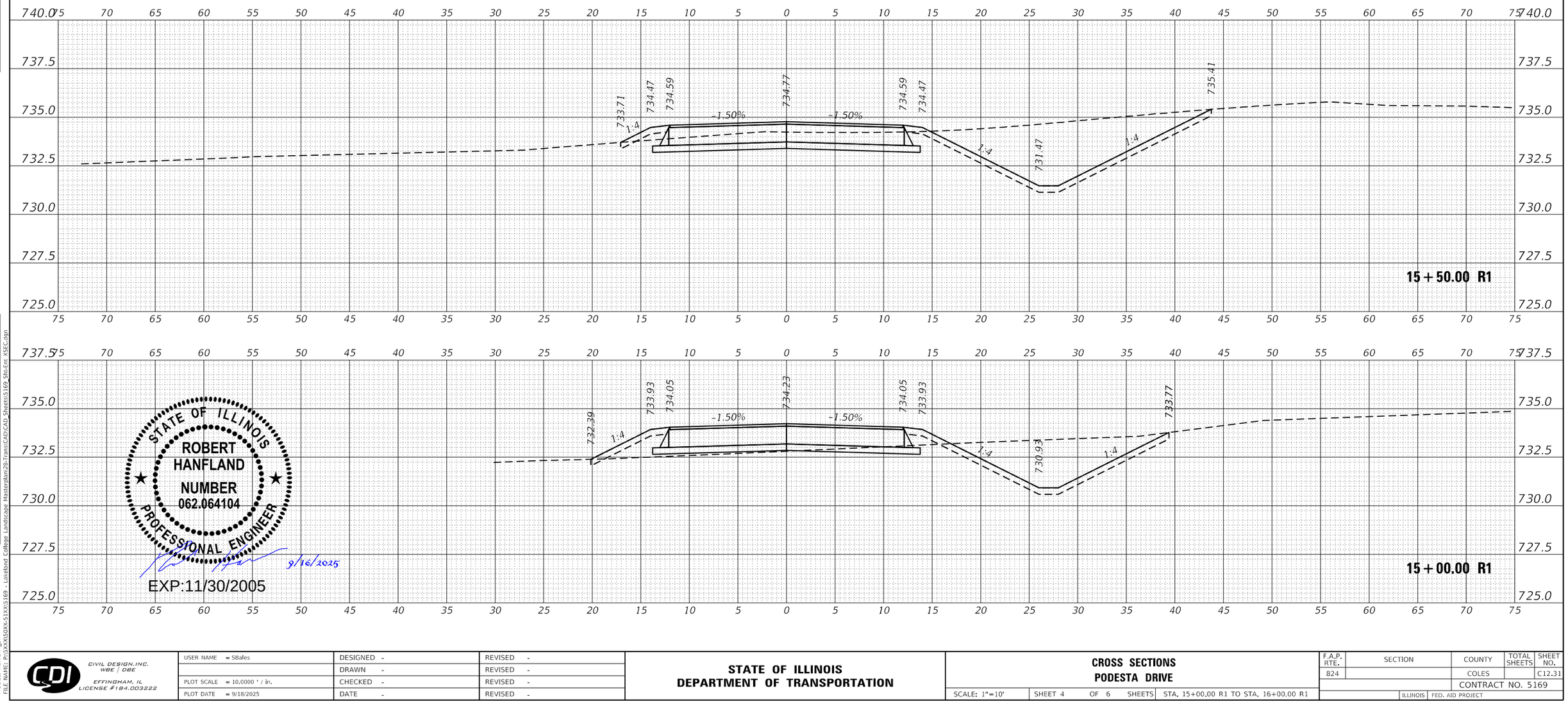

STATE OF ILLINOIS
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	PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
PODESTA DRIVE

SCALE: 1"=10' | SHEET 4 OF 6 SHEETS | STA. 15+00.00 R1 TO STA. 16+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.31
		CONTRACT NO. 5169		
	ILLINOIS	FED. AID PROJECT		

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

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STATE OF ILLINOIS
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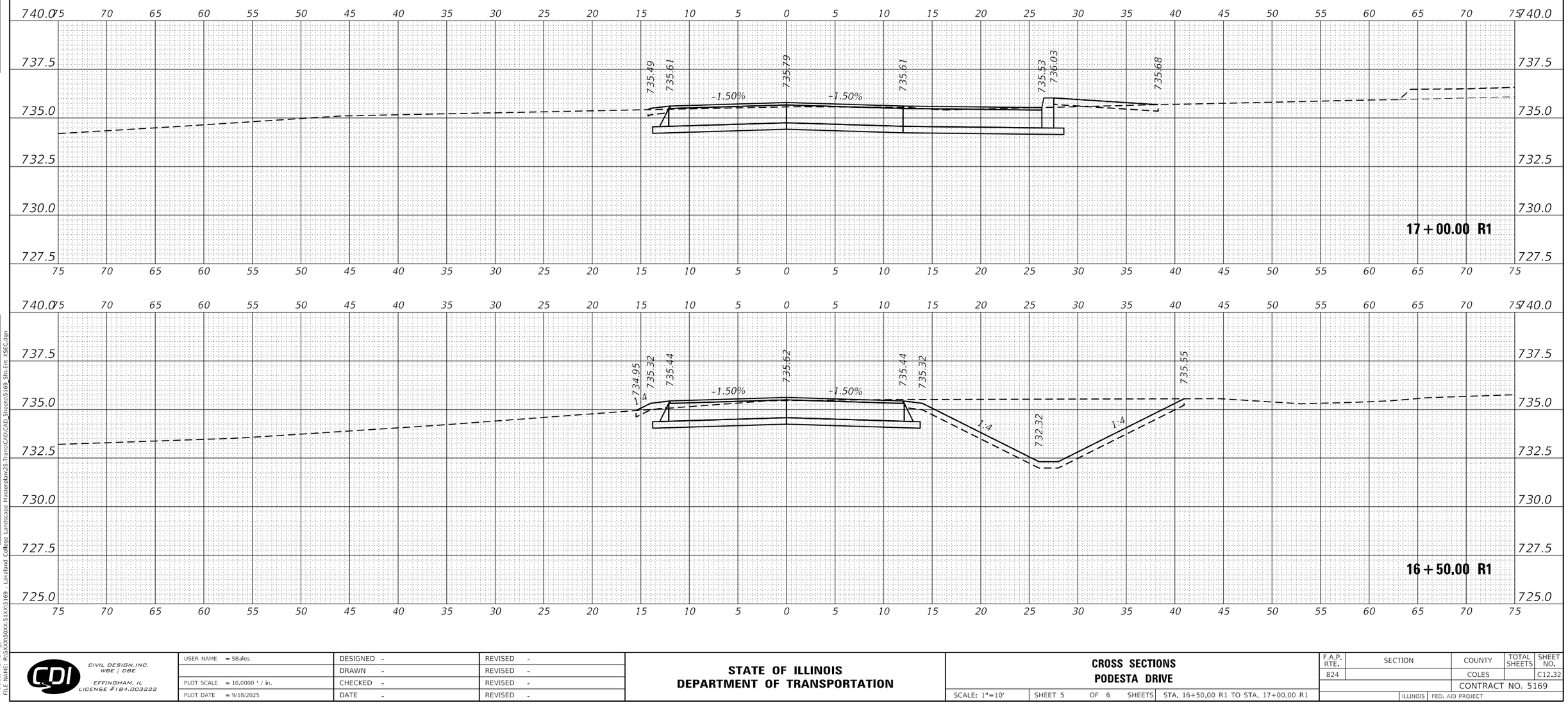
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005



FINAL SURVEY
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ORIGINAL SURVEY
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CIVIL DESIGN, INC.
WBE | DBE
EFFINGHAM, IL
LICENSE #184.003222

USER NAME = SBales	DESIGNED -	REVISED -
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PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 9/18/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
PODESTA DRIVE

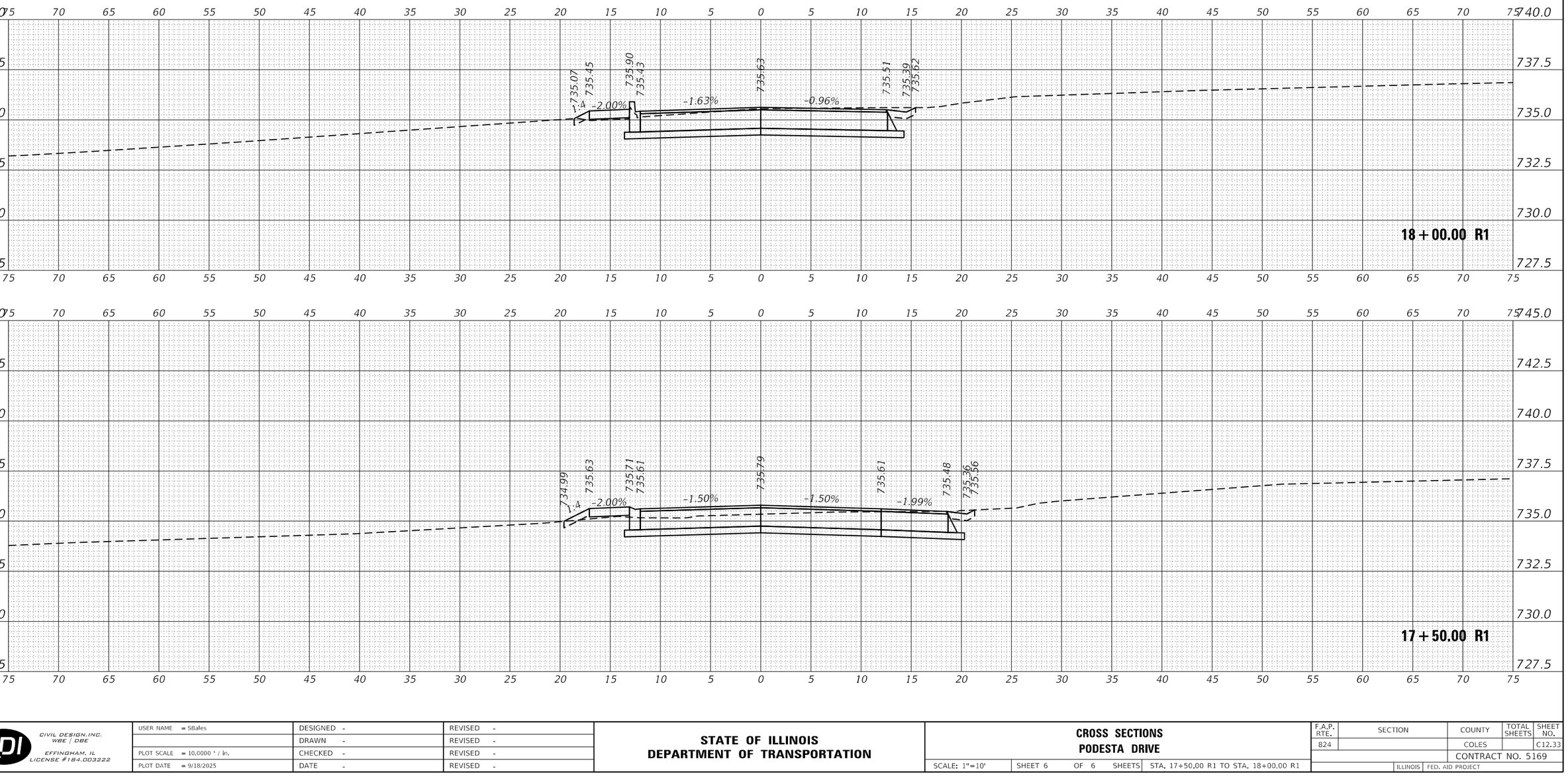
SCALE: 1"=10' | SHEET 5 OF 6 SHEETS | STA. 16+50.00 R1 TO STA. 17+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.32
		CONTRACT NO. 5169		
	ILLINOIS	FED. AID PROJECT		

STATE OF ILLINOIS
ROBERT HANFLAND
NUMBER 062.064104
PROFESSIONAL ENGINEER

9/16/2025

EXP:11/30/2005



USER NAME = SBales	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 9/18/2025	DATE -	REVISED -	

CIVIL DESIGN, INC.
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LICENSE #184.003222

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
PODESTA DRIVE

SCALE: 1"=10' | SHEET 6 OF 6 SHEETS | STA. 17+50.00 R1 TO STA. 18+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
824		COLES		C12.33
		CONTRACT NO. 5169		
	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY | FINAL SURVEY
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