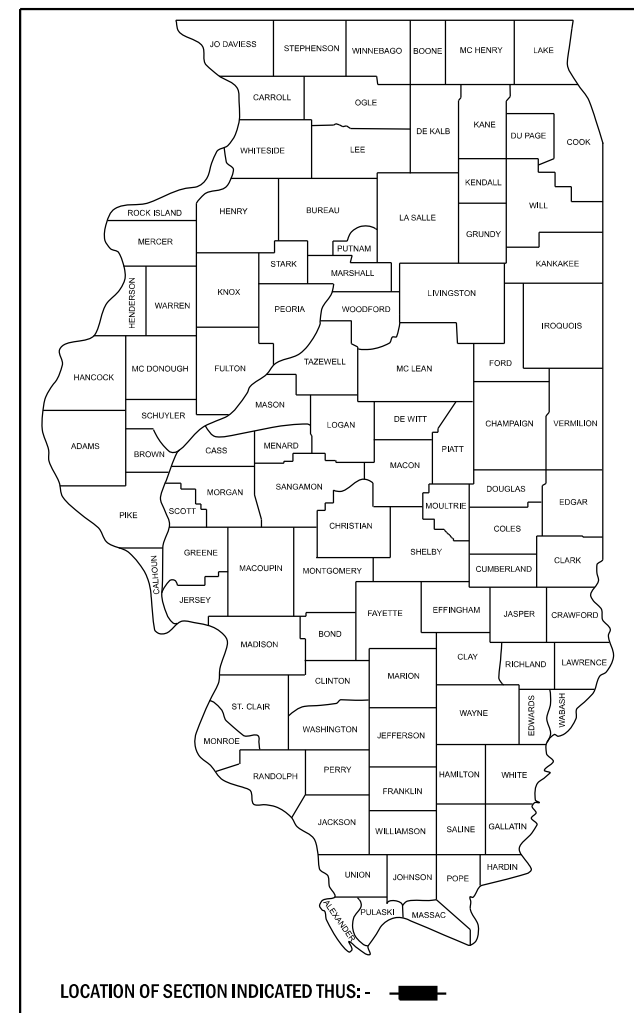


CITY OF WHEATON  
DEPARTMENT OF ENGINEERING  
**SIDEWALK AND PEDESTRIAN  
BRIDGE IMPROVEMENTS  
ROOSEVELT ROAD (IL ROUTE 38)**  
DUPAGE COUNTY, ILLINOIS

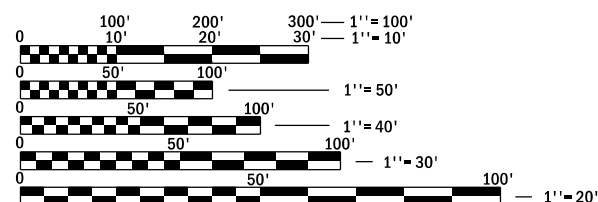
FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	17	1
PROJECT NO. 240268		

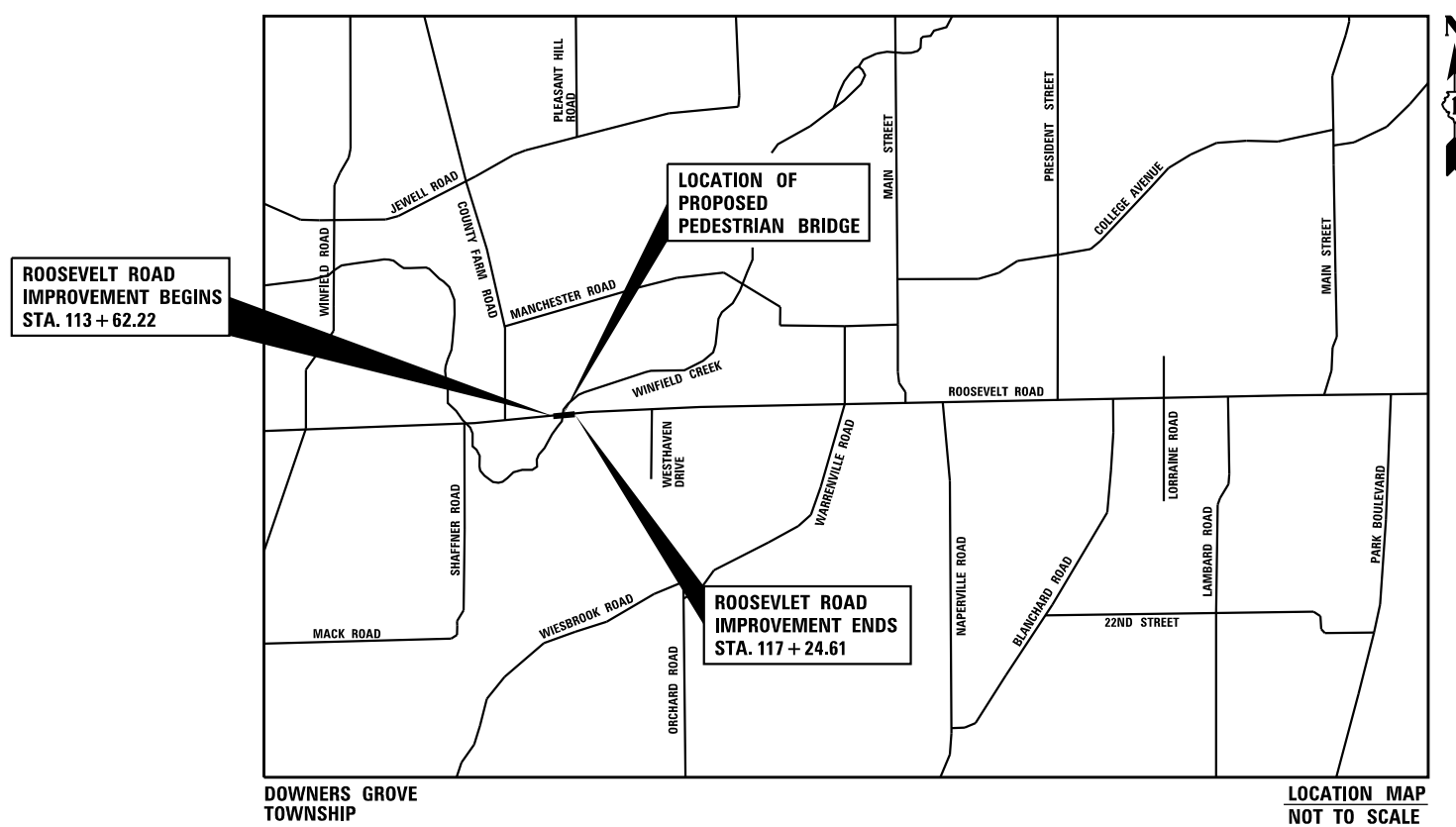


LOCATION OF SECTION INDICATED THUS: -



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

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



DOWNERS GROVE  
TOWNSHIP

LOCATION MAP  
NOT TO SCALE

GROSS LENGTH = 372.46 FT. = 0.071 MILE

NET LENGTH = 372.46 FT. = 0.071 MILE

**CONTACT**

SARANG A. LAGVANKAR  
CITY OF WHEATON DEPARTMENT  
OF ENGINEERING  
(630) 260-2067

V3  
JASON D. HOLY  
# 062-059941  
DATE: 11-12-2024



EXPIRATION DATE: 11-30-2025

MODEL: Default  
FILE NAME: N:\2024\240268\Drawings\Main\CAD - Sheets\DWG-240268-sh-1-genernotes01.dgn

GENERAL NOTES

1.

ALL EXISTING TOPOGRAPHY, UNDERGROUND UTILITIES, STRUCTURES AND ASSOCIATED FACILITIES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS AND ELEVATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER FACILITIES, THE EXISTENCE OF WHICH ARE NOT PRESENTLY KNOWN. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR.
2.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE", DUPAGE COUNTY AND THE CITY OF WHEATON FOR FIELD LOCATIONS OF BURIED UTILITIES 48 HOURS IN ADVANCE OF WORK.
3.

PRIOR TO NEW WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD CHECK ALL DIMENSIONS AND ELEVATIONS AND TO VERIFY THE LOCATION AND ELEVATION OF EXISTING UTILITY LINES AND STRUCTURES THAT MAY BE IMPACTED BY THE PROPOSED WORK PRIOR TO ORDERING MATERIAL OR BEGINNING CONSTRUCTION. ANY DISCREPANCIES FROM THE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
4.

ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE UTILITY COMPANY AT THE CONTRACTOR'S EXPENSE.
5.

ALL APPLICABLE PROVISIONS OF THE CURRENT OCCUPATIONAL SAFETY AND HEALTH ACT ARE HEREIN INCORPORATED BY REFERENCE.
6.

EXCEPT WHERE MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK PROPOSED HEREON SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS WHICH ARE HEREBY MADE A PART HEREOF:

a.

"STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS," AS PREPARED BY IDOT, LATEST EDITION.

b.

"STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS AS PUBLISHED BY THE IEPA," LATEST EDITION.

c.

ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS," AS PUBLISHED BY THE IEPA. LATEST EDITION.
7.

THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS/HER WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
8.

THE CONTRACTOR IS RESPONSIBLE FOR HAVING A SET OF "APPROVED" ENGINEERING PLANS WITH THE LATEST REVISION DATE ON THE JOB SITE PRIOR TO THE START OF CONSTRUCTION AND AT ALL TIMES DURING CONSTRUCTION.
9.

AREAS OUTSIDE THE R.O.W. LINE OR CONSTRUCTION LIMIT LINE IMPACTED BY OPERATIONS OF THE CONTRACTOR SHALL BE RETURNED TO THE STATE IT WAS FOUND PRIOR TO NEW CONSTRUCTION, EXCEPT WHERE NEW WORK IS SHOWN.
10.

REMOVED PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN OFF-SITE DUMP SITE AT HIS OWN EXPENSE.
11.

NO HOLES ARE TO BE LEFT OPEN IN THE PAVEMENT OR PARKWAY OVER A HOLIDAY, WEEKEND OR AFTER 3:00 P.M. ON THE DAY PRECEDING A HOLIDAY OR A WEEKEND.
12.

SIDEWALKS TO REMAIN SHALL BE PROTECTED FROM DAMAGE AND IF DAMAGED, SHALL BE REPLACED PROMPTLY IN CONFORMANCE WITH THE MUNICIPALITY OR IDOT STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP.
13.

ALL EXISTING PAVEMENT SIDEWALKS OR CONCRETE CURB AND GUTTER TO BE REMOVED SHALL BE SAWCUT ALONG LIMITS OF PROPOSED REMOVAL BEFORE COMMENCEMENT OF PAVEMENT REMOVAL. SAWCUT SHALL BE INCIDENTAL TO THE REMOVAL COSTS.
14.

PROPOSED ELEVATIONS INDICATE FINISHED CONDITIONS. FOR ROUGH GRADING ELEVATIONS ALLOW FOR THICKNESS OF PROPOSED PAVING (ROADS, WALKS, DRIVES, ETC.) OR TOPSOIL AS INDICATED ON DRAWINGS.
15.

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES AND SIDE ROADS TO REMAIN DURING CONSTRUCTION OPERATIONS.
16.

AN IDOT PREQUALIFIED PHASE III RESIDENT ENGINEER (RE), REGISTERED IN THE STATE OF ILLINOIS AS A PROFESSIONAL ENGINEER (PE), SHALL BE REQUIRED AT THE APPLICANT'S EXPENSE TO INSPECT ALL PROPOSED WORK FOR PLAN COMPLIANCE AND APPROPRIATE TRAFFIC CONTROL AND PROTECTION.

GENERAL NOTES (CONTINUED)

17.

AN IDOT PREQUALIFIED SOILS CONSULTANT SHALL BE REQUIRED TO TEST THE SUBGRADE AND SUBBASE FOR STABILITY PRIOR TO BRIDGE INSTALLATION.
18.

THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONARY AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN AND PROTECT EXISTING UTILITIES, SEWERS, MAINS AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR SHALL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES, SEWERS AND MAINS WHICH WILL REMAIN IN SERVICE. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND UTILITY COMPANY IF IT IS DETERMINED THAT TEMPORARY BRACING OR SUPPORT OF THE UTILITIES IS REQUIRED. THE PROTECTION AND/OR TEMPORARY BRACING OR SUPPORT OF UTILITIES WILL NOT BE PAID FOR SEPARATELY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

DRAINAGE NOTES

1.

ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE CONNECTED TO THE PROPOSED STORM SEWER OR EXTENDED TO OUTLET INTO A PROPOSED DRAINAGE WAY AS DETERMINED BY THE ENGINEER. IF THIS CANNOT BE ACCOMPLISHED, THEN IT SHALL BE REPAIRED WITH NEW PIPE OF SIMILAR SIZE AND MATERIAL TO THE ORIGINAL LINE AND PUT IN ACCEPTABLE OPERATIONAL CONDITION. A RECORD OF THE LOCATION OF ALL FIELD TILE FOR ON-SITE DRAIN PIPE ENCOUNTERED SHALL BE KEPT BY THE SUBCONTRACTOR AND SUBMITTED TO THE ENGINEER UPON COMPLETION OF THE PROJECT. ALL FIELD TILE REPAIRS MUST MEET THE ILLINOIS URBAN MANUAL SPEC 945. THE COST OF THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
2.

WHEN AN EXISTING DRAINAGE ROUTE, EITHER A STORM SEWER OR WATERWAY, IS INTERRUPTED DUE TO THE IMPROVEMENTS, THE DRAINAGE ROUTE SHALL BE REESTABLISHED TO ORIGINAL CONDITIONS BY THE END OF THE SAME WORK DAY. POSITIVE DRAINAGE MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
3.

WHENEVER, DURING CONSTRUCTION OPERATIONS, LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES ETC., SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATION, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIAL CREATED AS A RESULT THEREOF.
4.

ANY EXISTING DRAINAGE FACILITIES DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT THEIR EXPENSE. THIS WORK SHALL BE PERFORMED TO THE SATISFACTION OF THE ENGINEER.

MAINTENANCE OF TRAFFIC NOTES

1.

TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC NOTES AND PROTECTION SECTION 701 OF THE STANDARD SPECIFICATIONS.
2.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION. BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 107.14 OF THE IDOT STANDARD SPECIFICATIONS. ALL TRAFFIC CONTROL WORK SHALL BE DONE IN ACCORDANCE WITH IDOT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
3.

ALL SIGNS SHALL BE IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS, LATEST EDITION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
4.

CONTRACTOR SHALL USE IDOT HIGHWAY STANDARD 701421-08 AND FOR LANE CLOSURES.
5.

THE CONTRACTOR CAN ONLY CLOSE A LANE BETWEEN THE HOURS OF 9:00 AM AND 3:30 PM.
6.

THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT 72 HOURS IN ADVANCE OF BEGINNING WORK.

EROSION CONTROL NOTES

1.

A STAMPED AND SIGNED COPY OF THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES AND BE PRESENTED WHEN REQUESTED.
2.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROL AS SHOWN ON THESE DRAWINGS.
3.

THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN EROSION CONTROL MEASURES IMMEDIATELY AFTER STRIPPING OF EXISTING VEGETATION.
4.

STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN SEVEN (7) DAYS SHALL BE FURNISHED WITH EROSION CONTROL AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). STOCKPILES TO REMAIN IN PLACE FOR 14 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING. TEMPORARY SEEDING WILL NOT BE PAID FOR SEPARATELY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
5.

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT POLLUTION OF STORM WATER AND SHALL FOLLOW IEPA & IDOT CONSTRUCTION MEMORANDUM NO. 95-60.
7.

THE CONTRACTOR WILL BE REQUIRED TO HAVE A DESIGNATED CONCRETE WASHOUT AREA DURING ALL CONCRETE POURS.
8.

ALL MATERIALS USED FOR TEMPORARY CONSTRUCTION ACTIVITIES WILL BE REMOVED TO UPLAND AREAS IMMEDIATELY FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITY.
9.

ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY AND CLEANED.

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS AND GENERAL NOTES
3-4	SUMMARY OF QUANTITIES
5	ALIGNMENT, TIES, AND BENCHMARKS
6	EXISTING CONDITIONS AND REMOVAL PLAN
7	PLAN AND PROFILE
8	PROPOSED GRADING PLAN
9-13	STRUCTURAL DRAWINGS
14	EROSION CONTROL AND RESTORATION PLAN
15-17	CONSTRUCTION DETAILS

IDOT HIGHWAY STANDARDS

701106-02	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) AWAY
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES

CONSTRUCTION DETAILS

IUM-620A	SILT FENCE PLAN PORTABLE CONCRETE WASHOUT CONTAINER
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V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME	= cwasowlcz
PLOT SCALE	=
PLOT DATE	= 12/20/2024

DESIGNED	-	CJW
DRAWN	-	CJW
CHECKED	-	JDH
DATE	-	11/07/2024

REVISED	-
REVISED	-
REVISED	-
REVISED	-

REVISED	-
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REVISED	-

WHEATON

ROOSEVELT SIDEWALK IMPROVEMENTS

ILLINOIS

INDEX OF SHEETS AND GENERAL NOTES

SCALE: NONE	SHEET	1	OF	1	SHEETS	STA.	TO STA.
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COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	17	2
PROJECT NO. 240268		

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SPECIAL PROVISION	PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	92
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	39
	20700220	POROUS GRANULAR EMBANKMENT	CU YD	20
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	349
	25000210	SEEDING, CLASS 2A	ACRE	0.1
	25000314	SEEDING, CLASS 4B	ACRE	0.1
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	12
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	12
	25100630	EROSION CONTROL BLANKET	SQ YD	349
	28000400	PERIMETER EROSION BARRIER	FOOT	462
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	212
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,912
	44000600	SIDEWALK REMOVAL	SQ FT	91
	50200100	STRUCTURE EXCAVATION	CU YD	32
	50300225	CONCRETE STRUCTURES	CU YD	12
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,330
	51200957	FURNISHING METAL SHELL PILES 12" X 0.250"	FOOT	102
	51202305	DRIVING PILES	FOOT	102
	51203200	TEST PILE METAL SHELLS	EACH	1



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USER NAME = cwasowlcz  
  
PLOT SCALE =  
PLOT DATE = 12/20/2024

DESIGNED - CJW  
DRAWN - CJW  
  
CHECKED - JDH  
DATE - 11/07/2024

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ROOSEVELT SIDEWALK IMPROVEMENTS  
  
WHEATON ILLINOIS

SUMMARY OF QUANTITIES  
  
SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	17	3
PROJECT NO. 240268		

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Woodridge, IL 60517  
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USER NAME	= cwasowlcz
PLOT SCALE	=
PLOT DATE	= 1/9/2025

DESIGNED	-	CJW
DRAWN	-	CJW
CHECKED	-	JDH
DATE	-	11/07/2024

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

WHEATON

ROOSEVELT SIDEWALK IMPROVEMENTS

ILLINOIS

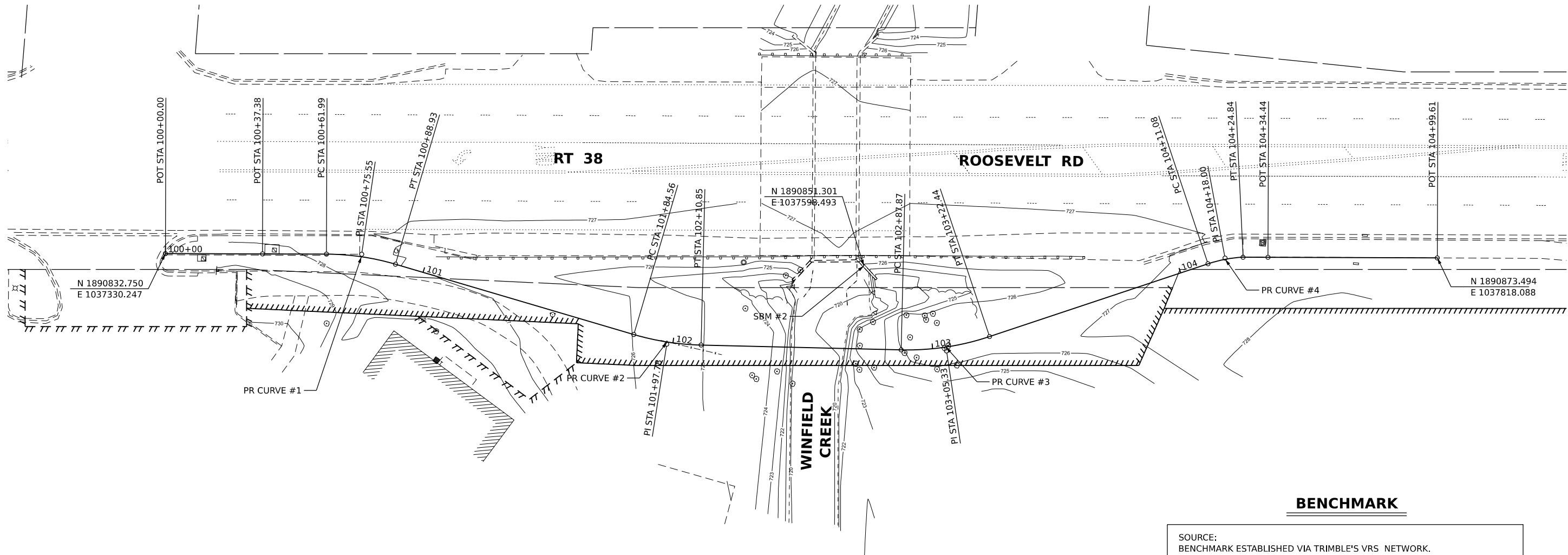
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SHEET 2 OF 2 SHEETS STA. TO STA.

SUMMARY OF QUANTITIES

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	17	4
PROJECT NO. 240268		

SPECIAL PROVISION	PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	13.2
	60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	30
	60146305	PIPE UNDERDRAINS FOR STRUCTURES (SPECIAL) 4"	FOOT	45
	67100100	MOBILIZATION	L SUM	1
	70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
*	A2006520	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2
*	C2001846	SHRUB, CORNUS SERICEA ISANTI (ISANTI REDTWIG DOGWOOD), 3' HEIGHT, BALLED AND BURLAPPED	EACH	6
*	C2C048G5	SHRUB, PHYSOCARPUS OPULIFOLIUS (COMMON NINEBARK), CONTAINER GROWN, 5-GALLON	EACH	5
*	D2003972	EVERGREEN, TSUGA CANADENSIS (CANADIAN HEMLOCK), 6' HEIGHT, BALLED AND BURLAPPED	EACH	1
*	K1005482	SHREDDED BARK MULCH 4"	SQ YD	15
*	X0322508	PEDESTRIAN TRUSS SUPERSTRUCTURE	SQ FT	598.3
*	X2010512	CLEARING AND GRUBBING	SQ YD	211
*	X2130010	EXPLORATION TRENCH (SPECIAL)	FOOT	50
*	X6640304	CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED	FOOT	24
*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
*		VEGETATION MANAGEMENT, ECOLOGICAL MONITORING AND REPORTING	YEAR	3



PR CURVE #1 PI STA = 100+75.55 Δ = 16°15'05" (RT) D = 60°18'41" R = 95.00' T = 13.56' L = 26.95 E = 0.96' PC STA = 100+61.99 PT STA = 100+88.93	PR CURVE #2 PI STA = 101+97.78 Δ = 15°03'50" (LT) D = 57°17'45" R = 100.00' T = 13.22' L = 26.29' E = 0.87' PC STA = 101+84.56 PT STA = 102+10.85	PR CURVE #3 PI STA = 103+05.33 Δ = 19°48'16" (LT) D = 57°17'45" R = 100.00' T = 17.46' L = 34.57' E = 1.51' PC STA = 102+87.87 PT STA = 103+22.44	PR CURVE #4 PI STA = 104+18.00 Δ = 15°45'41" (RT) D = 114°35'30" R = 50.00' T = 6.92' L = 13.75 E = 0.48' PC STA = 104+11.08 PT STA = 104+24.84
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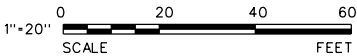
BENCHMARK

SOURCE:  
BENCHMARK ESTABLISHED VIA TRIMBLE'S VRS NETWORK.  
DATUM IS NAVD88  
LATITUDE: 41°51'28.90146"N  
LONGITUDE: 88°08'23.50939"W  
ELLIPSOIDAL HEIGHT: 618.837 SFT  
GROUND SCALE FACTOR: 1.0000513559 GEOID 12A U.S.

STATION DESIGNATION: CP #100  
ESTABLISHED BY: V3 COMPANIES  
DATE: 09-19-2022  
  
ELEVATION: 728.21 (MEASURED)  
DATUM: NAVD88  
DESCRIPTION: CUT CROSS IN THE SIDEWALK AT THE NORTHEAST CORNER OF W. ROOSEVELT ROAD AND S. COUNTY FARM ROAD.

SITE:  
  
STATION DESIGNATION: SBM#1 (NOT SHOWN HEREON)  
ESTABLISHED BY: V3 COMPANIES  
DATE: 09-19-2022  
  
ELEVATION: 728.16 (MEASURED)  
DATUM: NAVD88  
DESCRIPTION: NORTHEAST BOLT OF FIRE HYDRANT LOCATED AT THE NORTHEAST CORNER OF S. COUNTY FARM ROAD AND W. ROOSEVELT ROAD.

STATION DESIGNATION: SBM#2  
ESTABLISHED BY: V3 COMPANIES  
DATE: 09-19-2022  
  
ELEVATION: 727.02 (MEASURED)  
DATUM: NAVD88  
DESCRIPTION: FOUND CUT SQUARE ON EAST ABUTMENT OF SOUTH SIDE OF W. ROOSEVELT ROAD ON BRIDGE OVER WINFIELD CREEK.



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USER NAME	= cwasowlcz
PLOT SCALE	=
PLOT DATE	= 12/20/2024

DESIGNED	- CJW
DRAWN	- CJW
CHECKED	- JDH
DATE	- 11/07/2024

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ROOSEVELT SIDEWALK IMPROVEMENTS

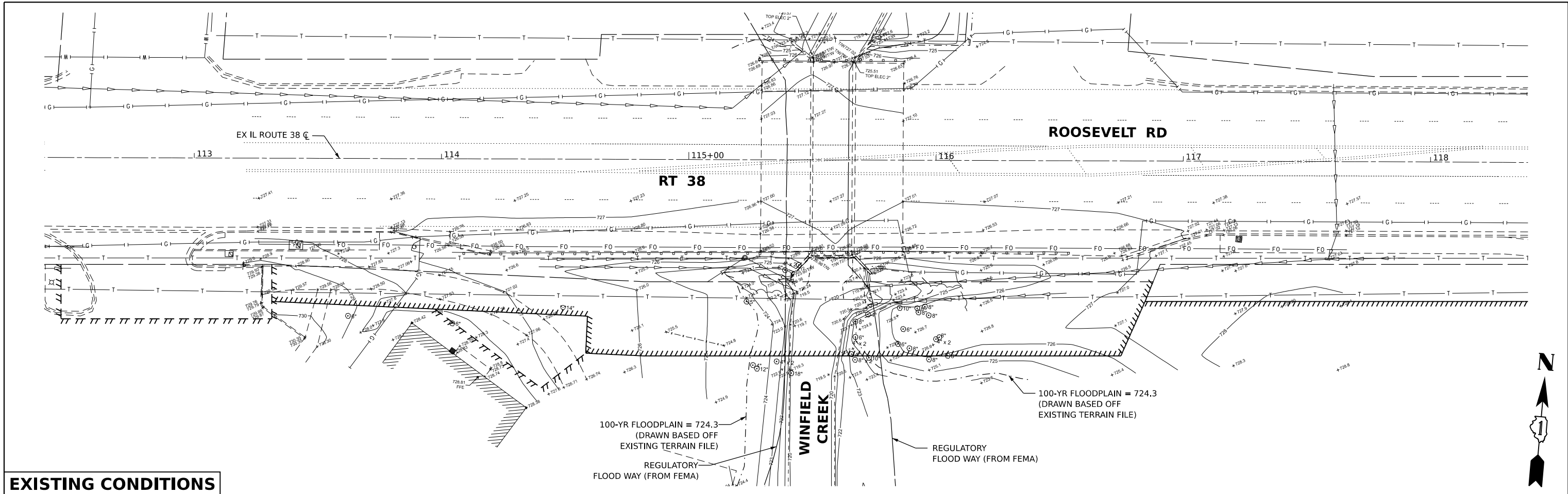
WHEATON

ILLINOIS

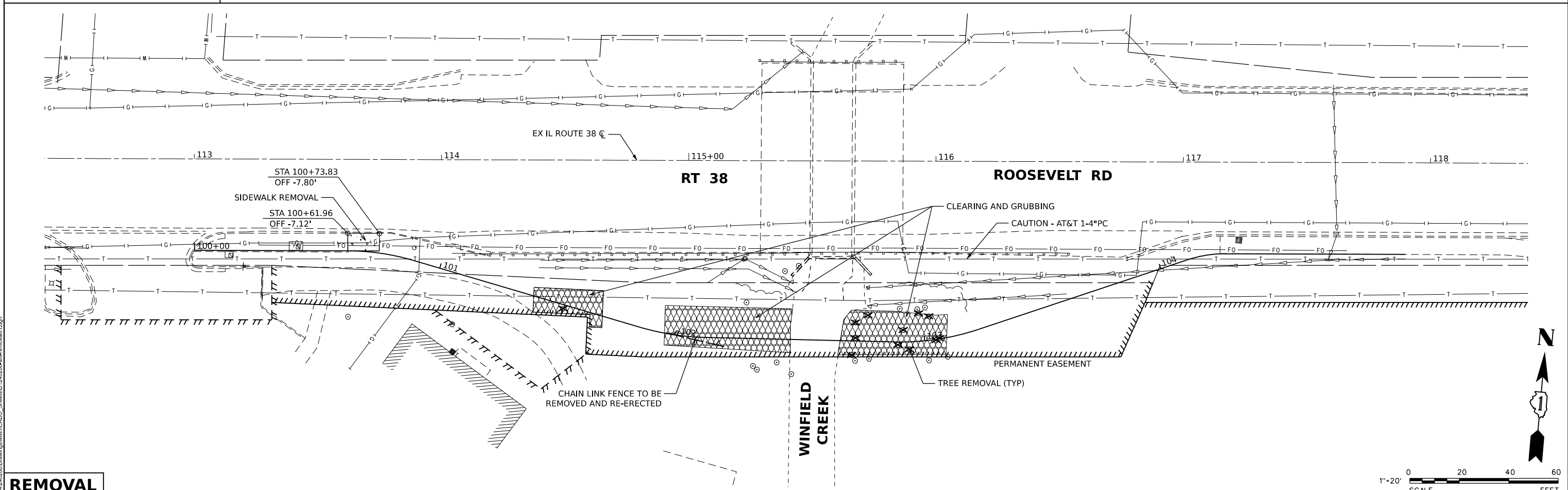
ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=20"      SHEET 1 OF 1 SHEETS      STA.      TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	17	5
PROJECT NO. 240268		



EXISTING CONDITIONS



REMOVAL

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USER NAME	= cwasowicz
PLOT SCALE	=
PLOT DATE	= 12/20/2024

DESIGNED -	LRY
DRAWN -	LRY
CHECKED -	JDH
DATE -	12/20/2024

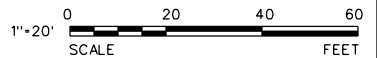
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WHEATON	ILLINOIS
ROOSEVELT SIDEWALK IMPROVEMENTS	

SCALE: 1"=20"		SHEET 1 OF 1 SHEETS	STA. TO STA.
EXISTING CONDITIONS AND REMOVAL PLAN			

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	17	6
PROJECT NO. 240268		

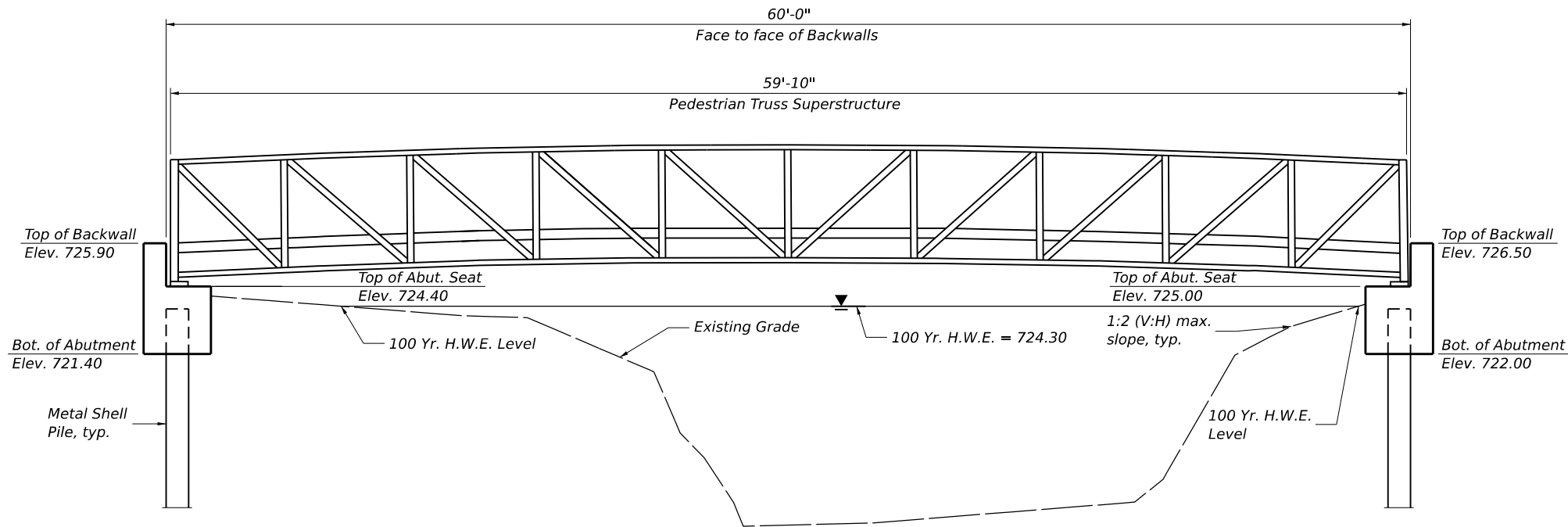




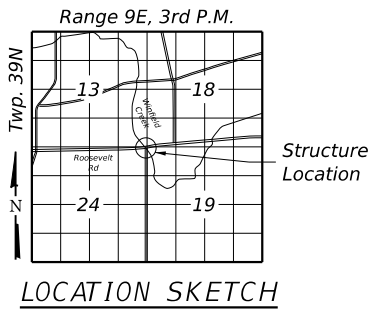




Benchmark:  
SBM #2 - Found cut square on east abutment of south side of bridge carrying W. Roosevelt Road over Winfield Creek, Elev. 727.02



ELEVATION



BRIDGE REACTIONS

REACTION	P(lb)	H (lb)	L (lb)
Dead (DC)	12525		
Dead (DW) (0 psf)	0		
Live (PL) (90 psf)	13500		
Vehicle (LL) (H5)	5000		
Wind (WS) (115 mph)	±1925	5995	
Overturning (WSwv) (20 psf)	-4875		
Overturning (WSvl) (20 psf)	-1625		
Stream (WA) (0 fps)	±0	0	
Snow (SL) (0 psf)	0		
Thermal (TU) (15% of DL)			1880
"P" - Vertical load each base plate (4 per bridge)			
"H" - Horizontal load each footing (2 per bridge)			
"L" - Longitudinal load each base plate (4 per bridge)			
"WSwv" - Overturning on Windward Truss			
"WSvl" - Overturning on Leeward Truss			

TOTAL BILL OF MATERIALS

ITEM	UNIT	SUPER	SUB	TOTAL
Reinforcement Bars, Epoxy Coated	Pound	-	1330	1330
Concrete Structures	Cu Yd		11.6	11.6
Geocomposite Wall Drain	Sq Yd		13.2	13.2
Furnishing Metal Shell Piles, 12" x 0.250"	Foot		102	102
Driving Piles	Foot		102	102
Test Pile, Metal Shells	Each		1	1
Pipe Underdrains for Structures	Foot		30	30
Pipe Underdrains for Structures	Foot		45	45
Structure Excavation	Cu Yd		31.6	31.6
Porous Granular Embankment	Cu Yd		20.0	20.0
* Pedestrian Truss Superstructure	Sq Ft	598.3		598.3

\*Special Provision

CONSTRUCTION SPECIFICATIONS

Illinois Department of Transportation Standard Specifications for Road and Bridge Construction Adopted Jan 1, 2022

Illinois Department of Transportation Supplemental Specifications and Recurring Special Provisions Adopted January 1, 2025

Illinois Department of Transportation Guide Bridge Special Provisions (GBSP's)

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

2009 LRFD Guide Specifications for the Design of Pedestrian Bridges, 2nd Edition

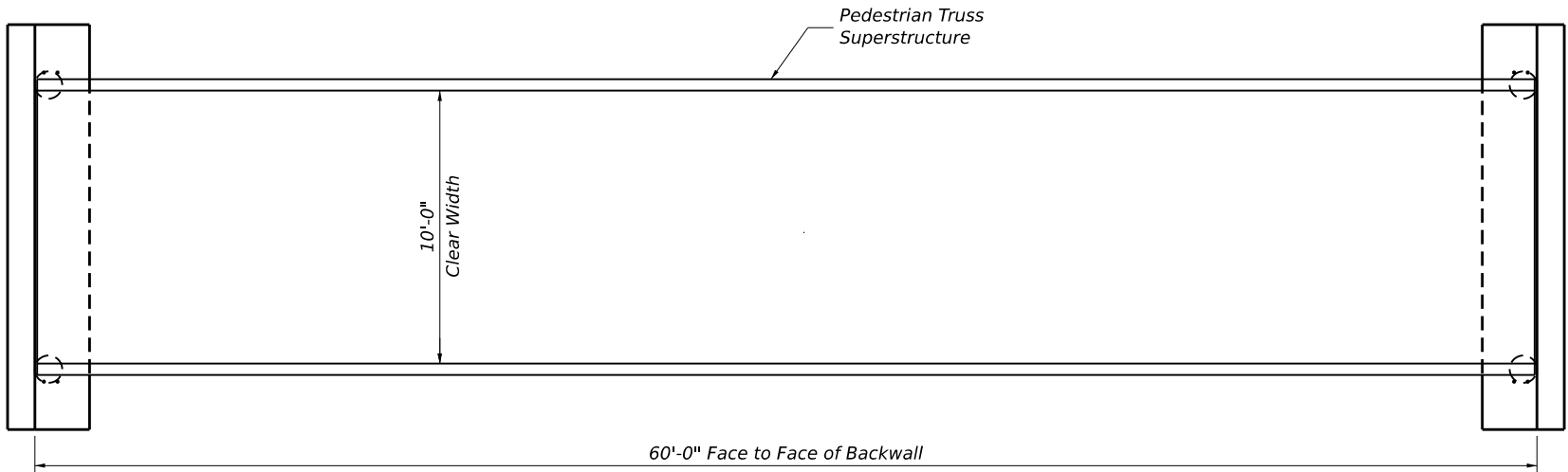
DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)  
 $f_y = 50,000$  psi (M270 Grade 50)

LOADING

90 psf Uniform Live Load (Pedestrian)  
H-10 Truck Loading



PLAN

MODEL: Sheet01  
FILE NAME: N:\2024\240268\Drawings\Main\Structures\CADD\_Sheets\DT240268-sh-GPE.dgn



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PLOT DATE	= 12/20/2024

DESIGNED	- LJM
DRAWN	- LJM
CHECKED	- BJV
DATE	- 9/30/2024

REVISED	-
REVISED	-
REVISED	-
REVISED	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

ROOSEVELT SIDEWALK IMPROVEMENTS

WHEATON

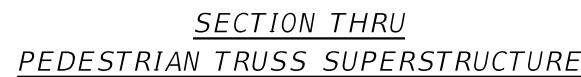
ILLINOIS

GENERAL PLAN AND ELEVATION

SCALE:

SHEET 1 OF 5 SHEETS STA. TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	17	9
PROJECT NO. 240268		



14'-10" construction.

\*\*C of Prop. 3/4" Ø Anchor Bolts, typ. both sides of truss

1'-0"

2'-0"

4"

6"

C of Metal Shell Pile, typ. both sides of truss

C of Metal Shell Pile & Loads, typ. both sides of truss

2 1/2"

C of Bridge

10'-0" Face to face of truss

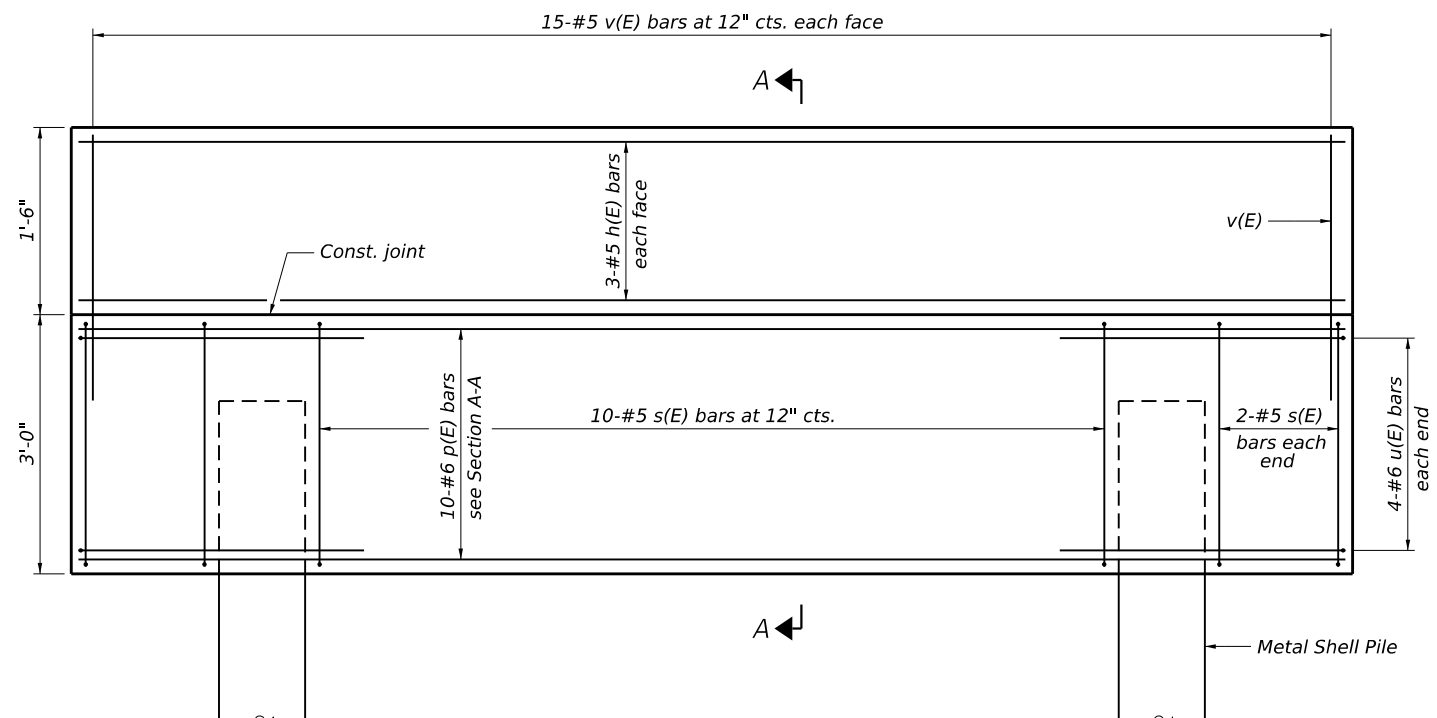
10'-6"

ABUTMENT ANCHOR BOLT DETAIL

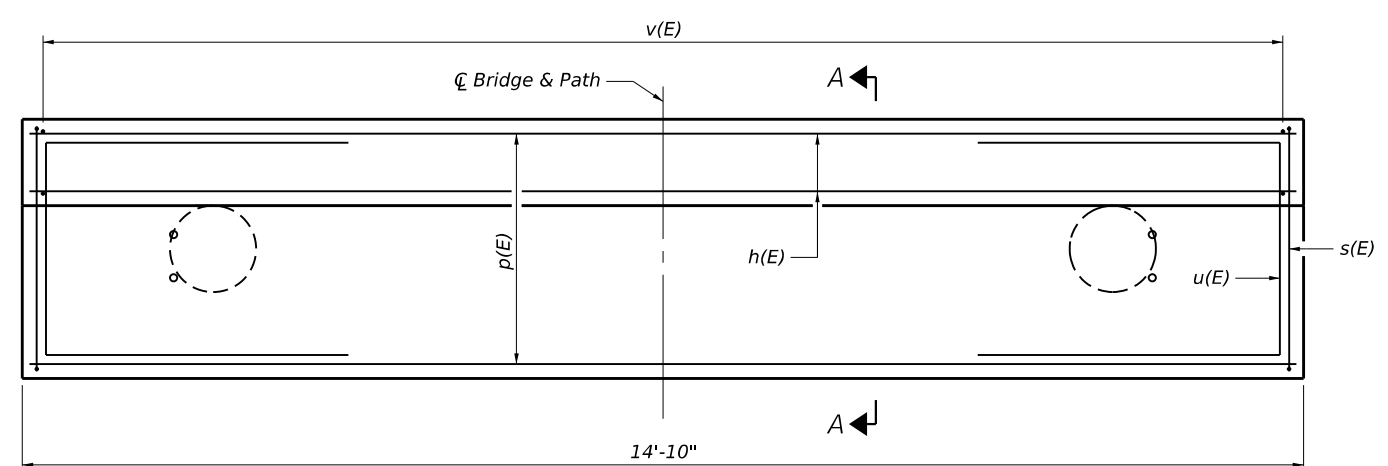
[illegible]

SECTION THRU ABUTMENT

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	17	10
PROJECT NO. 240268		



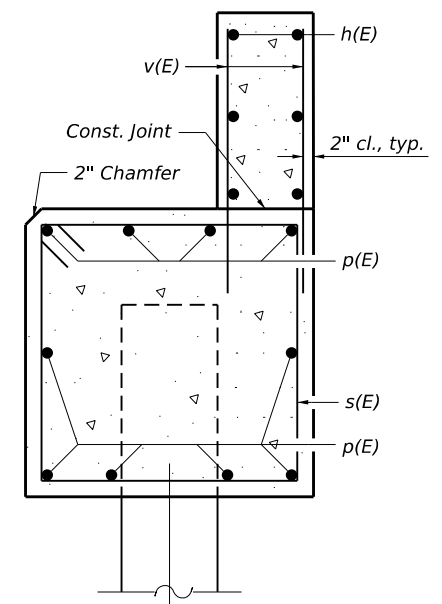
ELEVATION



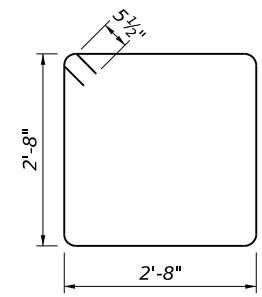
PLAN

PILE DATA: ABUTMENT

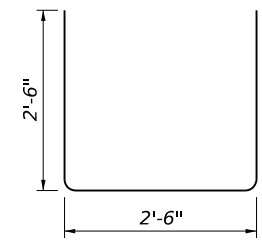
Type: Metal Shell - 12" dia. x 0.250" walls  
Nominal Required Bearing: 150k  
Allowable Resistance Available: 50k  
Est. Length: 32'  
No. Production Piles: 3  
No. Test Piles: 1



SECTION A-A



BAR s(E)



BAR u(E)

TWO ABUTMENTS  
BILL OF MATERIALS

Bar	No.	Size	Length	Shape
h(E)	12	#5	14'-6"	—
v(E)	60	#5	3'-0"	—
p(E)	20	#6	14'-6"	—
s(E)	28	#5	11'-7"	□
u(E)	16	#6	7'-6"	U
Reinforcement Bars, Epoxy Coated			Pound	1330
Concrete Structures			Cu Yd	11.6
Geocomposite Wall Drain			Sq Yd	13.2
Furnishing Metal Shell Piles, 12" x 0.250"			Foot	102
Driving Piles			Foot	102
Test Pile, Metal Shells			Each	1
Pipe Underdrains for Structures			Foot	30
Pipe Underdrains for Structures (Special)			Foot	45
Structure Excavation			Cu Yd	31.6
Porous Granular Embankment			Cu Yd	20.0

MODEL: Sheet03  
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	DRAWN - LJM	REVISED -	REVISED -
PLOT SCALE =	CHECKED - BJV	REVISED -	REVISED -
PLOT DATE = 12/20/2024	DATE - 9/30/2024	REVISED -	REVISED -

ROOSEVELT SIDEWALK IMPROVEMENTS

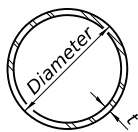
WHEATON

ILLINOIS

ABUTMENT DETAILS

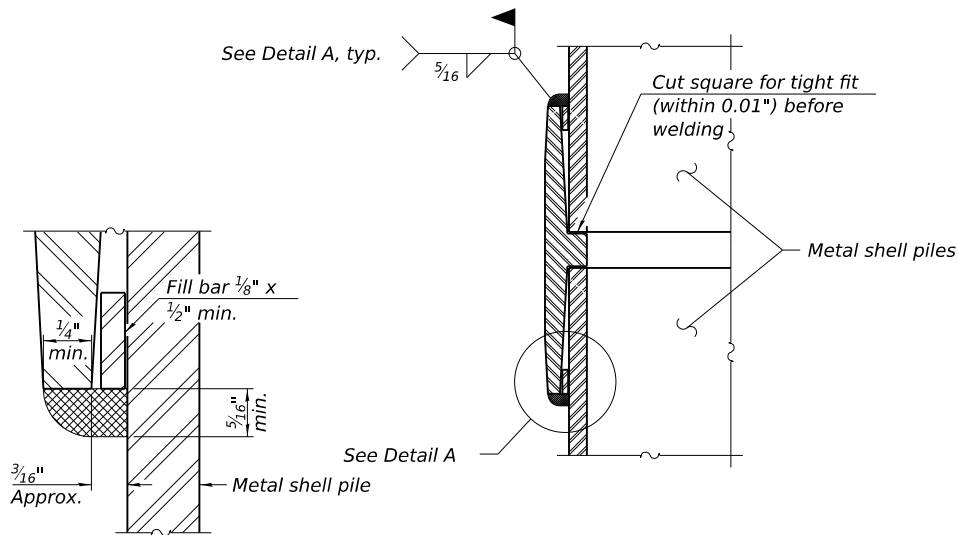
SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	17	11
PROJECT NO. 240268		

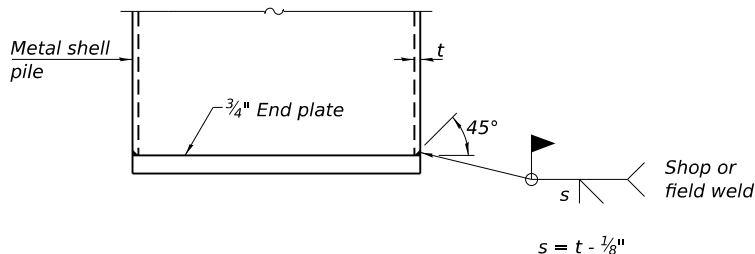


METAL SHELL PILE TABLE

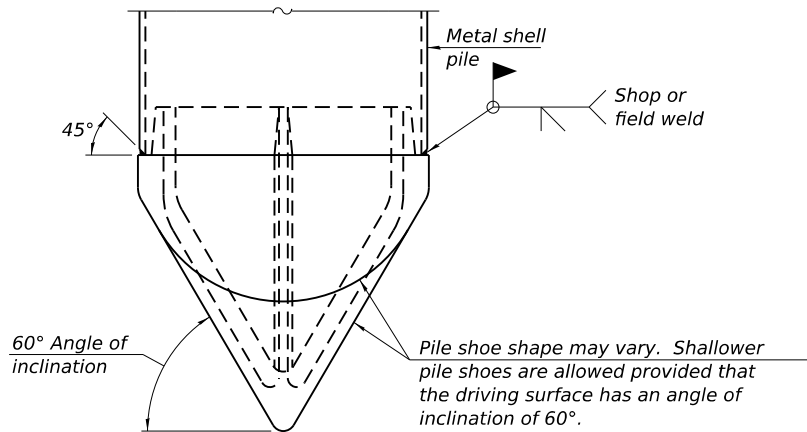
Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd.³/ft.)
PP12	0.250"	31.40	0.0267
PP14	0.250"	36.75	0.0368
PP14	0.312"	45.65	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470



DETAIL A



END PLATE ATTACHMENT

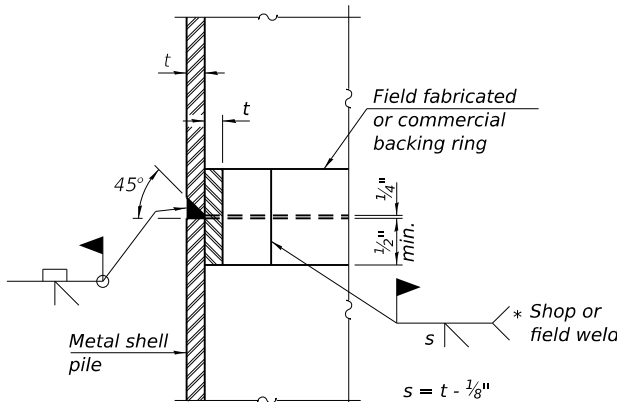


PILE SHOE ATTACHMENT

(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 80-50 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).

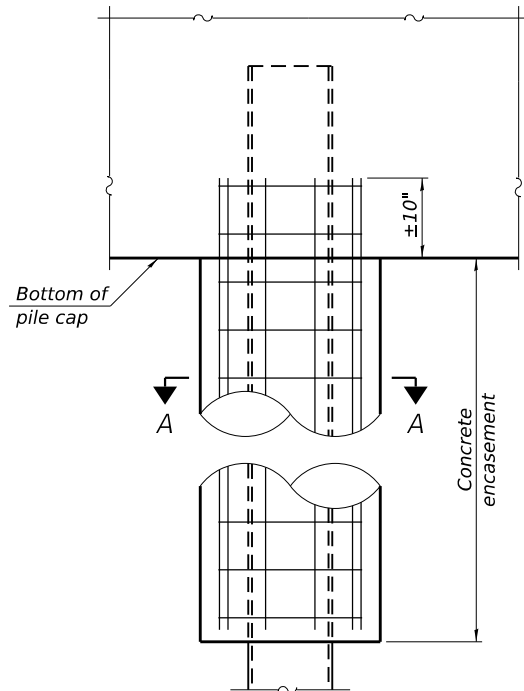
WELDED COMMERCIAL SPLICE

Notes:  
The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.  
Pile segments shall be driven to solid contact with splicer before welding.

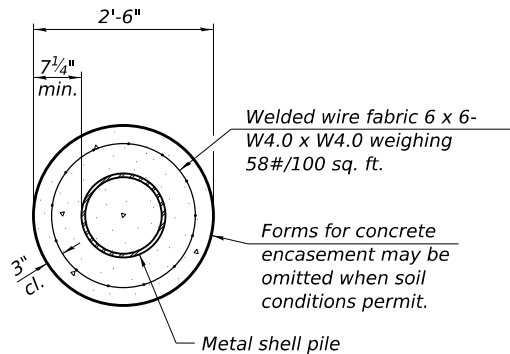


COMPLETE PENETRATION WELD SPLICE

\* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.

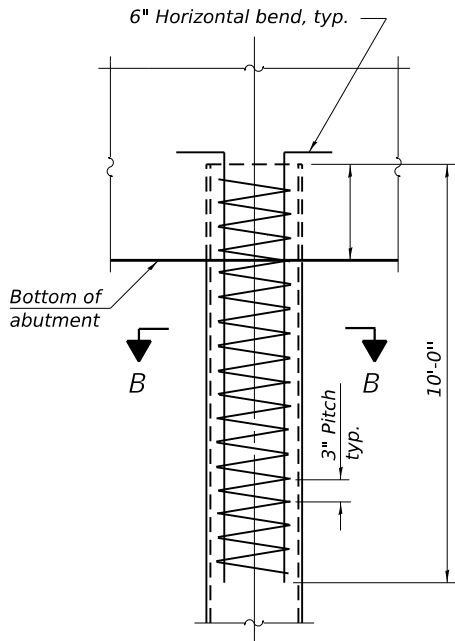


ELEVATION

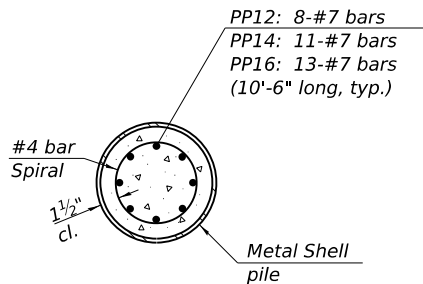


SECTION A-A

INDIVIDUAL PILE  
CONCRETE ENCASEMENT  
(When specified)



ELEVATION



SECTION B-B

REINFORCEMENT AT ABUTMENTS  
(Omit when concrete encasement is specified)

Note:  
The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

F-MS

2-1-2023



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CHECKED -	BJV	REVISED -		REVISED -	
DATE -	9/30/2024	REVISED -		REVISED -	

ROOSEVELT SIDEWALK IMPROVEMENTS

WHEATON

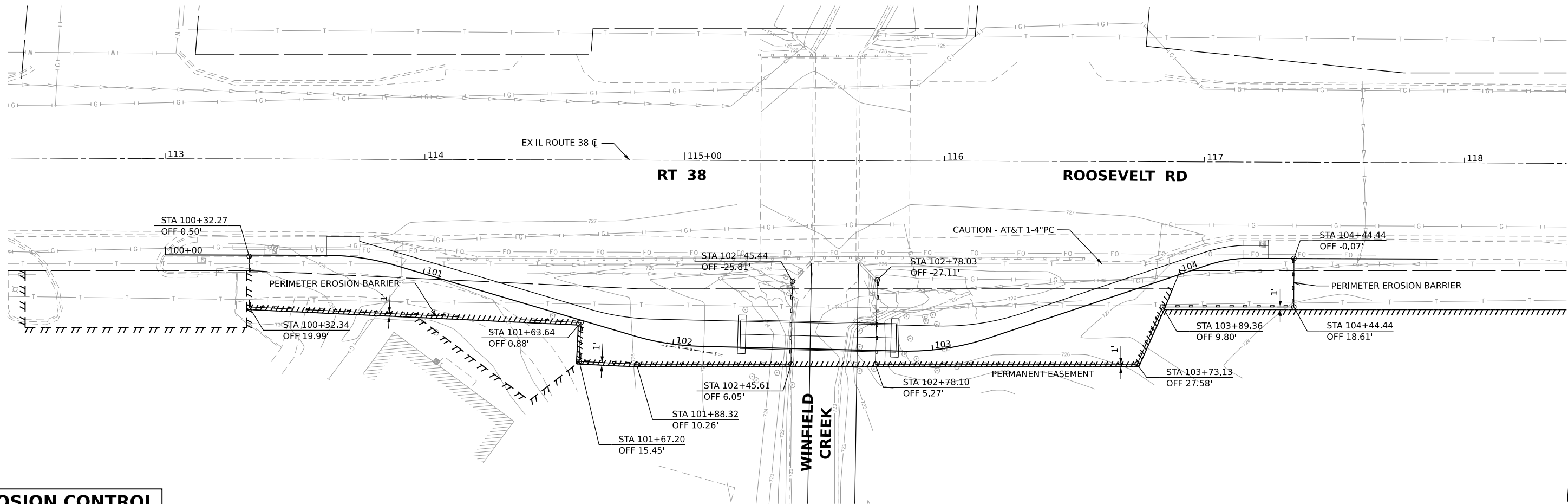
ILLINOIS

METAL SHELL PILE DETAILS

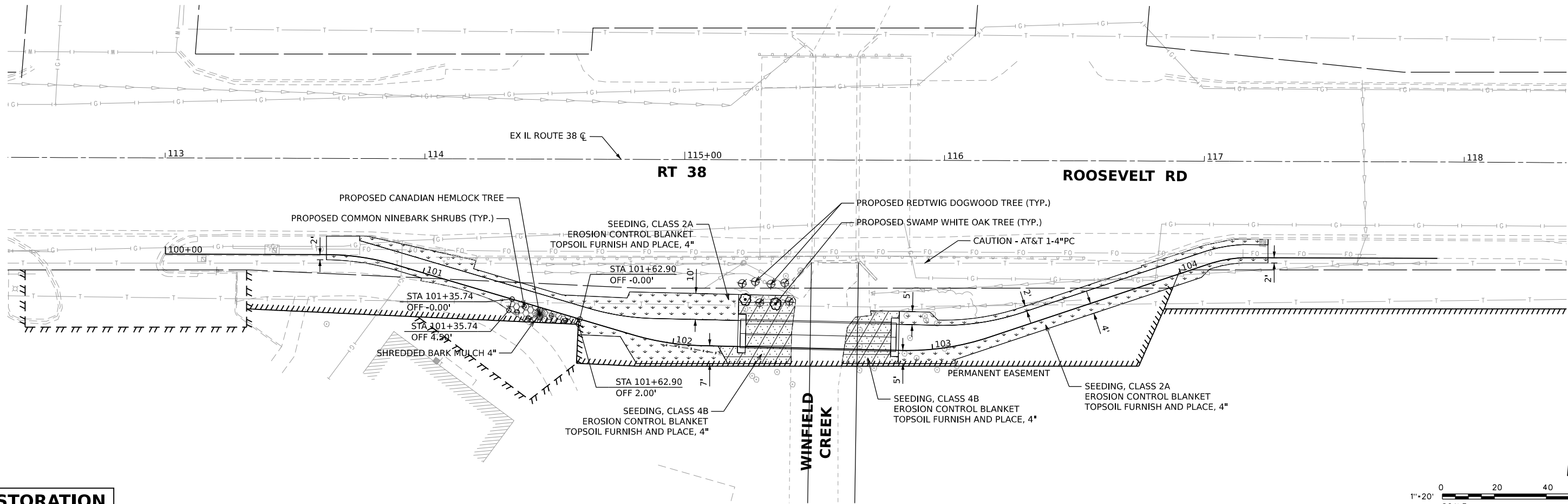
SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	17	12
PROJECT NO. 240268		





EROSION CONTROL



RESTORATION

MODEL: Default  
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PLOT DATE	= 12/20/2024

DESIGNED -	LRV
DRAWN -	LRV
CHECKED -	JDH
DATE -	12/20/2024

REVISED -	
REVISED -	
REVISED -	
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ROOSEVELT SIDEWALK IMPROVEMENTS

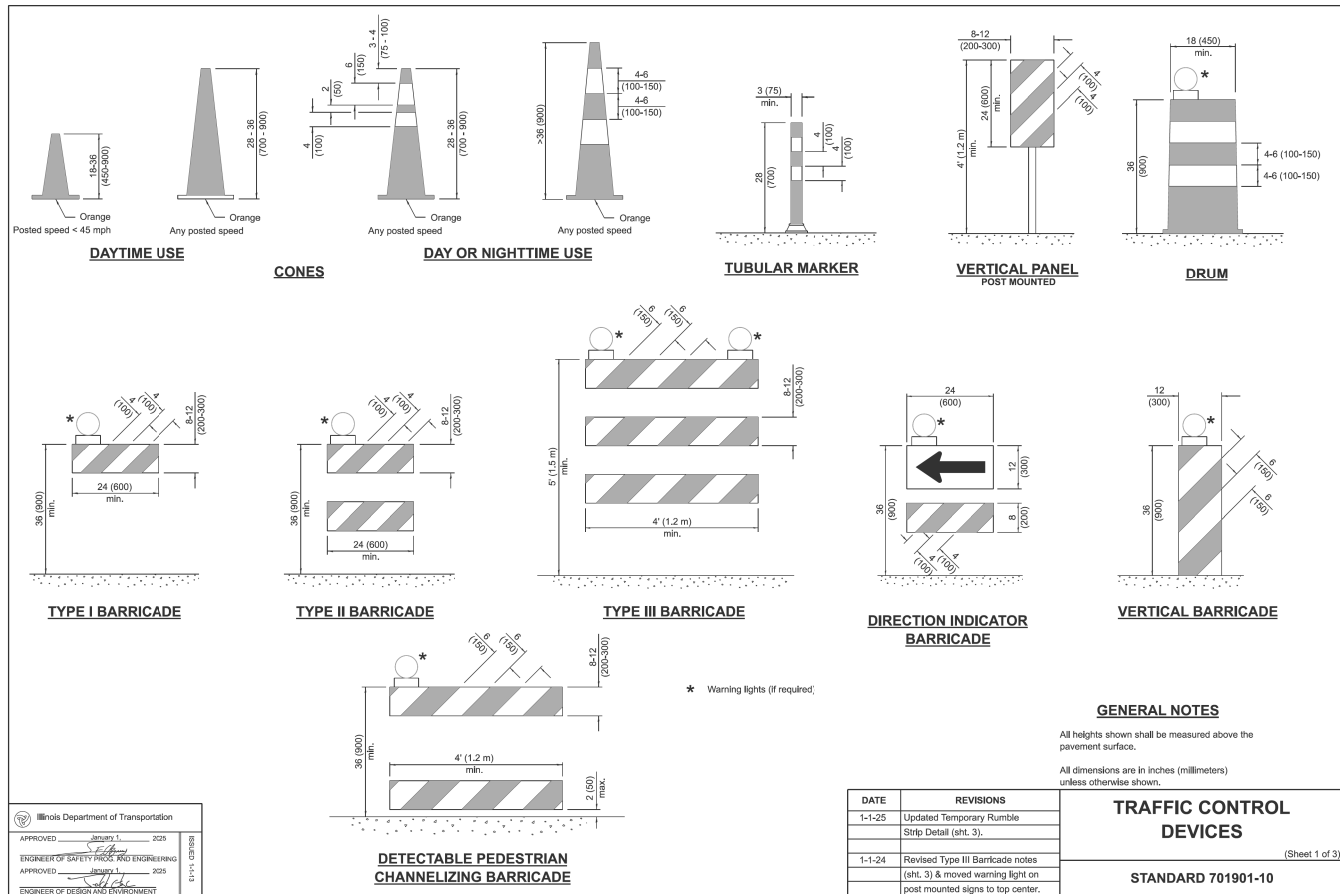
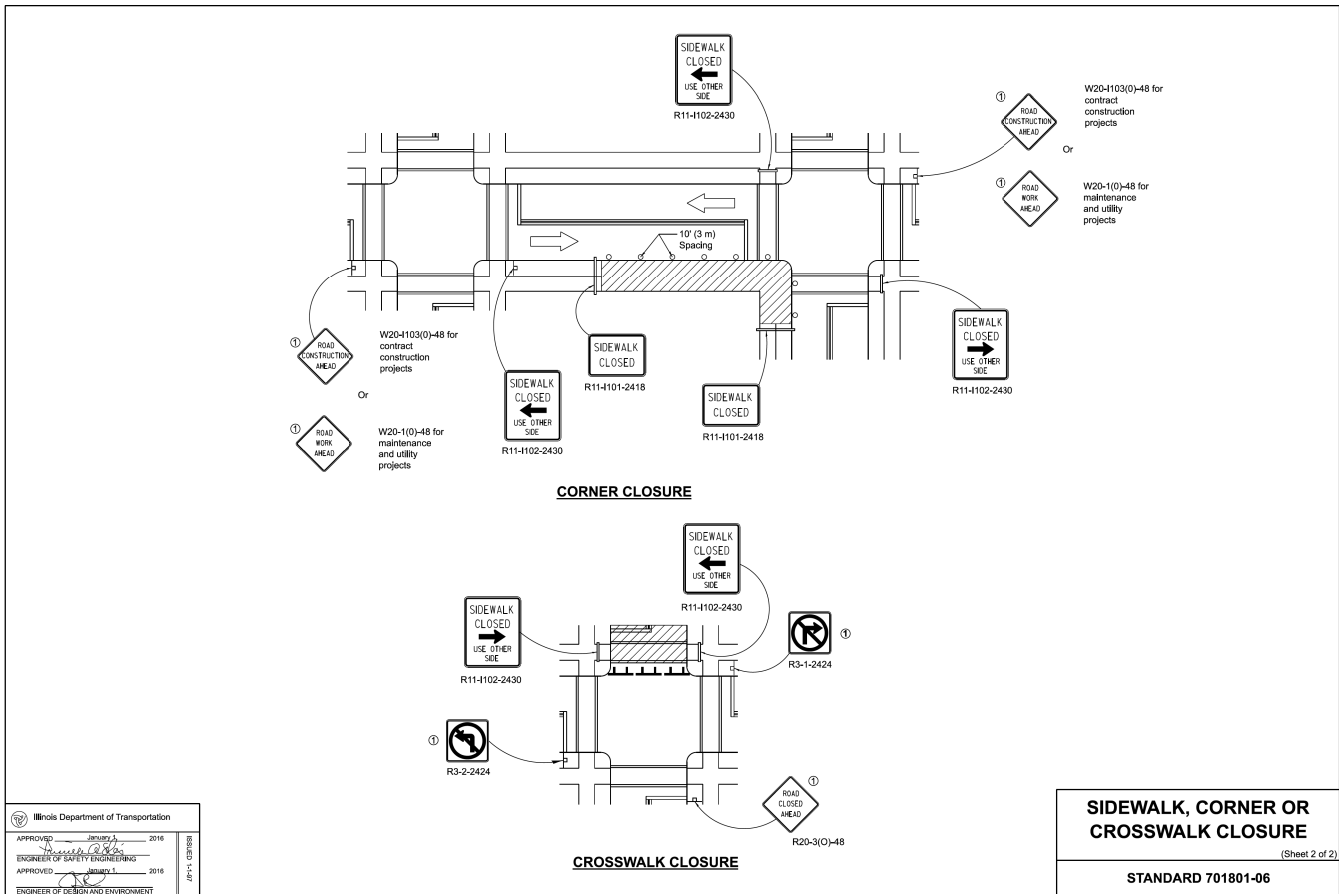
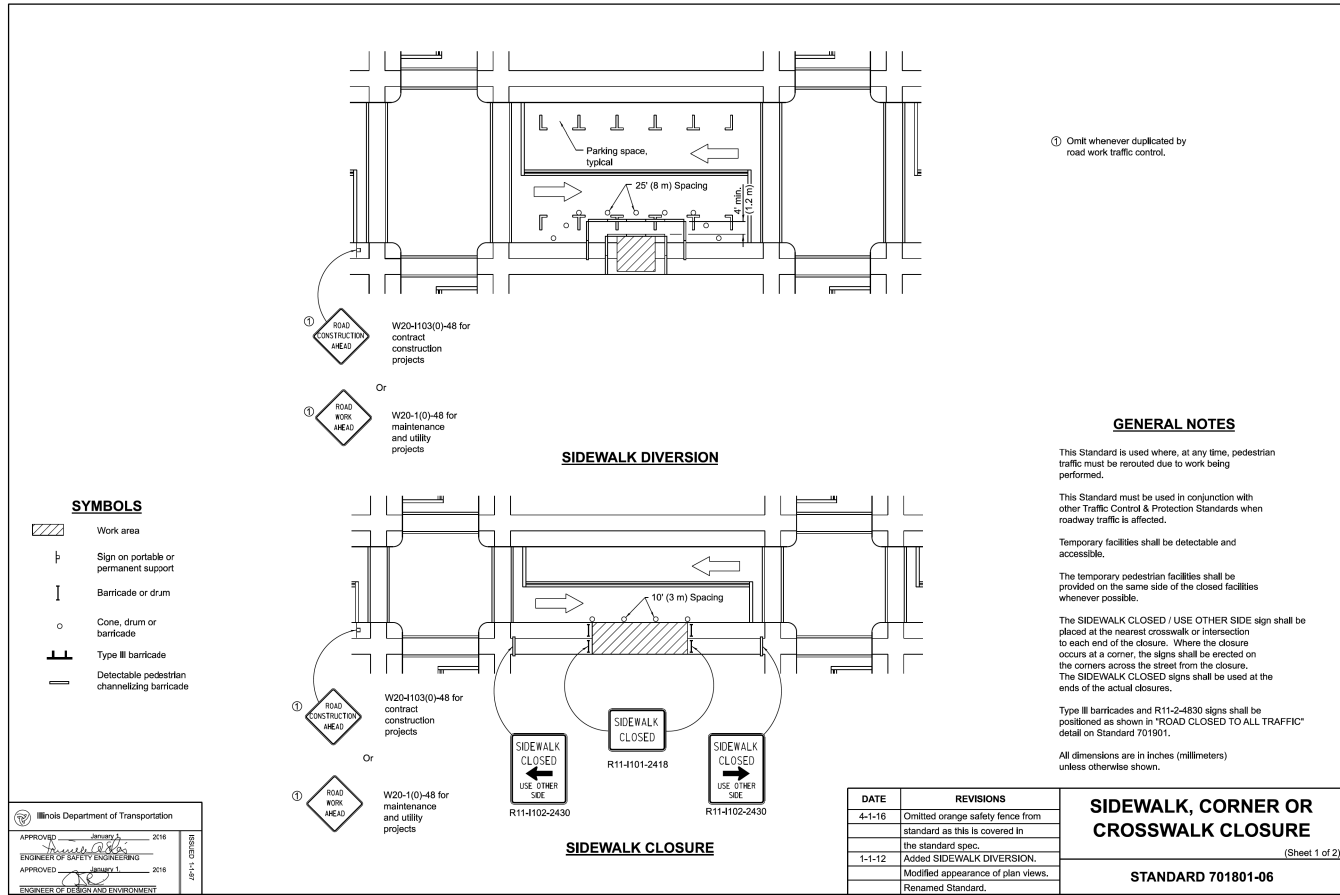
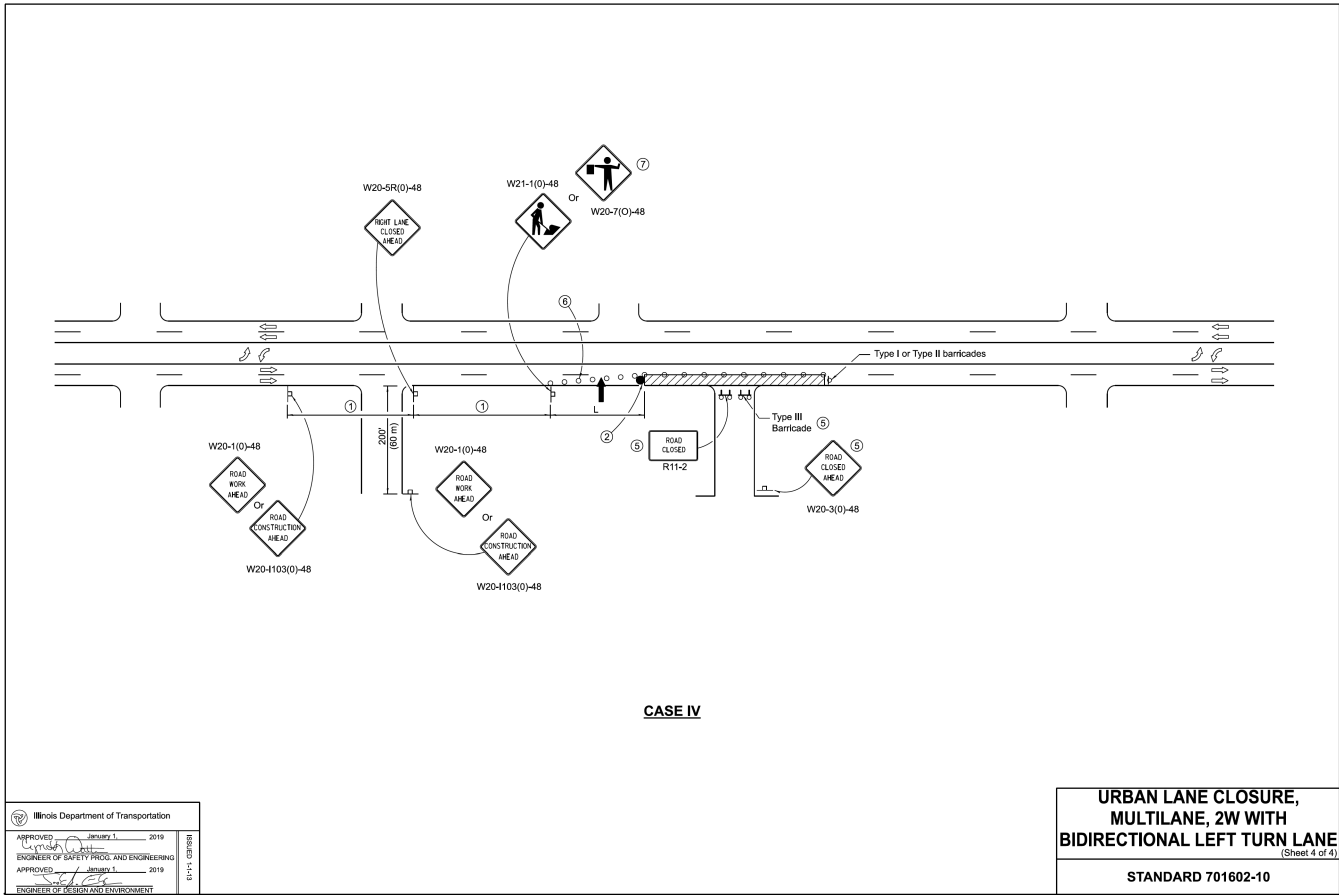
ILLINOIS

EROSION CONTROL AND RESTORATION PLAN

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	17	14
PROJECT NO. 240268		





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USER NAME = cwasowicz  
PLOT SCALE =  
PLOT DATE = 12/20/2024

DESIGNED - CJW  
DRAWN - CJW  
CHECKED - JDH  
DATE - 11/07/2024

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REVISED -  
REVISED -  
REVISED -

REVISED -  
REVISED -  
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ROOSEVELT SIDEWALK IMPROVEMENTS

ILLINOIS

SCALE: NONE

SHEET 2 OF X SHEETS STA. TO STA.

CONSTRUCTION DETAILS

COUNTY TOTAL SHEETS NO.  
DUPAGE 17 16  
PROJECT NO. 240268



