

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENTS ARE LOCATED IN THE CITY OF WEST CHICAGO

TRAFFIC DATA - IL 59

FUNCTIONAL CLASSIFICATION: PRINCIPAL ARTERIAL

2019 ADT = 34,700

% TRUCKS = 5%

POSTED SPEED = 45 MPH

DESIGN SPEED = 45 MPH

TRAFFIC DATA - HAHN PL

FUNCTIONAL CLASSIFICATION: LOCAL ROAD

POSTED SPEED = 30 MPH

DESIGN SPEED = 30 MPH

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAP ROUTE 338: IL 59 / NELTNOR BLVD FOREST AVE TO GLEN AVE SECTION 2019-048-1 PROJECT NHPP-HD18(836) RETAINING WALL DuPAGE COUNTY

C-91-393-19

Table with columns: F.A.P. RTE, SECTION, COUNTY, TOTAL SHEETS, SHEET NO. Values: 338, 2019-048-1, DUPAGE, 37, 1

\* 37 + 1 = 38 TOTAL SHEETS

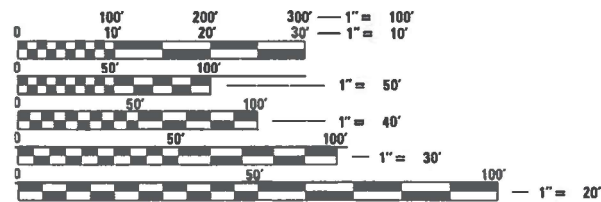
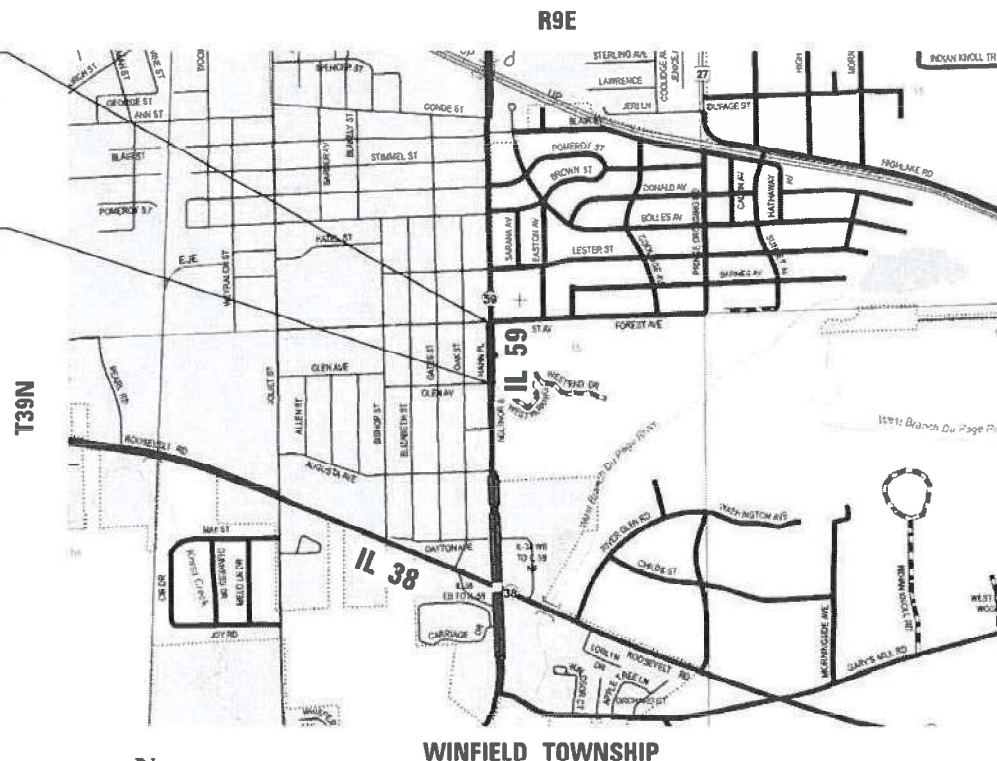
D-91-173-19



LOCATION OF SECTION INDICATED THIS: -

END IMPROVEMENT (IL 59) STA. 49 + 00.00

BEGIN IMPROVEMENT (IL 59) STA. 42 + 63.93



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 EXCAVATORS 1-800-892-0123 OR 811

PROJECT ENGINEER: VESELIN VELICHKOV, PE (847)705-4432 PROJECT MANAGER: FAWAD AQUEEL, PE (847) 705-4247

CONTRACT NO. 62J25

LOCATION MAP NOT TO SCALE

GROSS LENGTH IL 59 = 636 FT. = 0.120 MILE NET LENGTH IL 59 = 636 FT. = 0.120 MILE



Signed: [Signature] Date: 03/11/2021 License Expires: 11/30/2021



Signed: [Signature] Date: 03/01/2021 License Expires: 11/30/2022

EFK Moen Civil Engineering Design

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION SUBMITTED March 9 20 21 Jose Pinos / CRB REGIONAL ENGINEER June 25, 2021 [Signature] ENGINEER OF DESIGN AND ENVIRONMENT June 25, 2021 [Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

## INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX, GENERAL NOTES, AND STANDARDS
3-7	SUMMARY OF QUANTITIES
8-8A	TYPICAL SECTIONS
9	ALIGNMENT, TIES, AND BENCHMARKS
10	ROADWAY REMOVAL PLAN
11	ROADWAY PLAN
12	MAINTENANCE OF TRAFFIC STAGING NOTES
13	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
14	MAINTENANCE OF TRAFFIC PLANS
15	MAINTENANCE OF TRAFFIC DETOUR MAP
16	EROSION CONTROL PLAN
17	EROSION CONTROL DETAILS
18	PAVEMENT MARKING AND SIGNING PLAN
19	LANDSCAPING PLAN
20-25	STRUCTURE PLAN
26-27	SOIL BORING LOGS
28	TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
29	TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
30	TC-13 D1 TYPICAL PAVEMENT MARKINGS
31	TC-21 DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
32	TC-22 ARTERIAL ROAD INFORMATION SIGN
33-37	CROSS SECTIONS

## HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006-00	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-09	PAVEMENT JOINTS
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
664001-02	CHAIN LINK FENCE
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTEN OR MOVING OPERAITON, FOR SPEEDS GREATER THAN 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE

## HIGHWAY STANDARDS (CONT.)

701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKINGS
782001-01	CURB REFLECTORS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

## GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF WEST CHICAGO.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD, FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER, AT WALTER.CZARNY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTER AND MEDIAN ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED LARGER ITEM OF SPECIFIED WORK.
- THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS OPEN TO TRAFFIC AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED, ANY DAMAGE DONE TO THE EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S OWN EXPENSE.
- ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS, AND TIE BARS IN PAVEMENT, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLANS.
- DURING CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED AT HIS EXPENSE TO HAVE AVAILABLE A WATER TRUCK OR SIMILAR EQUIPMENT TO CONTROL DUST. IF NECESSARY, THE CONTRACTOR SHALL BE REQUIRED TO CONTROL DUST DURING NON-WORKING HOURS.
- ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- FABRIC FOR PROPOSED CHAIN LINK FENCE SHALL BE TYPE IV, CLASS B, COLOR BROWN.

## EROSION CONTROL AND LANDSCAPING GENERAL NOTES

- DIRECT OR INDIRECT PUMPING OF SEDIMENT-LADEN WATER INTO A STORMWATER FACILITY WITHOUT FILTRATION IS PROHIBITED.
- RUNOFF FROM EXCAVATED AREAS SHALL LEAVE THE SITE THROUGH SEDIMENT CONTROL DEVICES SHOWN IN IDOT STD. 280001-05, AND/OR NRCS DETAILS FROM THE MOST RECENT VERSION OF THE ILLINOIS URBAN MANUAL.
- THE CONTRACTOR SHALL SURROUND ANY NECESSARY EARTH STOCKPILES WITH PERIMETER EROSION BARRIER.
- ALL ESC MEASURES SHOULD BE CHECKED WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED AFTER EACH SNOWMELT.
- STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN ONE (1) WORKING DAY OF THE TEMPORARY OR PERMANENT CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE BUT NO LATER THAN 14 DAYS FROM THE INITIATION OF STABILIZATION OF WORK IN AN AREA.
- ALL WASTE GENERATED AS A RESULT OF THE PROJECT INCLUDING DISCARDED BUILDING MATERIALS, CONCRETE TRUCK WASHOUT, CHEMICALS, LITTER, SANITARY WASTE, OR ANY OTHER WASTE SHALL BE PROPERLY DISPOSED OF AND BE PREVENTED FROM BEING CARRIED OFF THE SITE BY EITHER WIND OR WATER.
- ALL EXPOSED IDLE EARTH, INCLUDING EARTH STOCKPILES, WILL BE SEEDED WITH TEMPORARY EROSION CONTROL SEEDING. THE APPLICATION RATE FOR TEMPORARY EROSION CONTROL SEEDING IS 100 POUNDS PER ACRE FOR THREE APPLICATIONS.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS OF ACHIEVING PERMANENT SOIL STABILIZATION. TRAPPED SEDIMENT AND OTHER DISTURBED SOILS RESULTING FROM TEMPORARY MEASURES SHALL BE PROPERLY DISPOSED OF AND THE AREA PERMANENTLY STABILIZED.
- ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION FOUND ON THE CONSTRUCTION TAB AT ([HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL](http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control)).
- THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY, PRIOR TO ACCEPTANCE OF THE IMPROVEMENT. ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
- UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.

## DRAINAGE AND UTILITIES GENERAL NOTES

- THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, INLETS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER, WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM ALL THESE TEMPORARY CONNECTIONS UNTIL INSTALLATION IS COMPLETE, INCLUDING PAVEMENT. THIS WORK SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT. COORDINATION WITH ALL AGENCIES INVOLVED IS REQUIRED.
- THE LOCATION AND ELEVATION OF EXISTING UTILITIES ARE APPROXIMATE AND ARE PROVIDED BY THE OWNERS. THE EXACT LOCATIONS AND ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR THROUGH THE OWNERS OF THE UTILITIES.
- THE PEAK PARTICLE VELOCITY OF PILE DRIVING IS NOT TO EXCEED THE 50 MM/S THRESHOLD FOR UNDERGROUND GAS INFRASTRUCTURE. CONTRACTOR SHALL PROVIDE NICOR WITH A WORK PLAN INCLUDING THE PROPOSED DRILLING EQUIPMENT FOR REVIEW PRIOR TO CONSTRUCTION.

## COMMITMENTS

NONE.

MODEL: D:\c4\h... FILE NAME: 21130039.34 IDOT D1.PFB 187-006 W034 IL 59 Retaining Wall Design Prelim\Rechnets\162125-shc-dmoss.dgn

USER NAME = RCall	DESIGNED - RG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 59 (GLEN AVE TO FOREST AVE) INDEX, GENERAL NOTES, STANDARDS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - CS	REVISED -	338				2019-48-I	DUPAGE	37	2	
PLOT SCALE = 100,0000 ' / in.	CHECKED - JH	REVISED -		CONTRACT NO. 62J25						
PLOT DATE = 6/15/2021	DATE -	REVISED -		SCALE:	SHEET	OF SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	CONSTR. CODE
				80% FED / 20% STATE	100% CITY OF WEST CHICAGO
				RETAINING WALL	RETAINING WALL
				0044 URBAN	0044 URBAN
20200100	EARTH EXCAVATION	CU YD	60	60	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	55	55	
20900110	POROUS GRANULAR BACKFILL	CU YD	94.8	94.8	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	177	177	
21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	100	100	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	3	3	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	3	3	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	3	3	
25200110	SODDING, SALT TOLERANT	SQ YD	177	177	
25200200	SUPPLEMENTAL WATERING	UNIT	9	9	
40600290	BITUMINOUS MATERIAL (TACK COAT)	POUND	245	245	
28000510	INLET FILTERS	EACH	6	6	
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	61	61	
42001300	PROTECTIVE COAT	SQ YD	896	896	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	544	544	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1418	1418	
44004250	PAVED SHOULDER REMOVAL	SQ YD	287	287	

\* DENOTES SPECIAL PROVISION REQUIRED  
\*\* DENOTES SPECIALTY ITEM

REV-SEP

MODEL: D:\p1\10029\_34 E071 D1 17B 1B7-506 W034 IL 19 Retaining Wall\DWG\DESIGN\ITEM\PoshtsheetD162125-rlc-500.dgn

USER NAME = RGall	DESIGNED - RG	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - CS	REVISED -
PLOT DATE = 5/5/2021	CHECKED - JH	REVISED +
	DATE -	REVISED +

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL 59 (GLEN AVE TO FOREST AVE)</b>			
<b>SUMMARY OF QUANTITIES</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-48-1	DUPAGE	37	3
			CONTRACT NO. 62J25	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	CONSTR. CODE
				80% FED / 20% STATE	100% CITY OF WEST CHICAGO
				RETAINING WALL	RETAINING WALL
				0044 URBAN	0044 URBAN
50102400	CONCRETE REMOVAL	CU YD	99.2	99.2	
50300225	CONCRETE STRUCTURES	CU YD	32.7	32.7	
50300285	FORM LINER TEXTURED SURFACE	SQ FT	2328		2328
** 50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3640	3640	
** 52200100	FURNISHING SOLDIER PILES (HP SECTION)	FOOT	1360	1360	
** 52200200	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	4271	4271	
52200260	PRECAST CONCRETE LAGGING	SQ FT	2499	2499	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	303	303	
60266600	VALVE BOXES TO BE ADJUSTED	EACH	1	1	
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	5	5	
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1	1	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	84	84	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	748	748	
60605900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.12	FOOT	587	587	

\* DENOTES SPECIAL PROVISION REQUIRED  
\*\* DENOTES SPECIALTY ITEM

REV-SEP

MODEL: D:\p4\h\1\180309.34.DDOT.D1.PTB.187-006.W034.II.59.Retaining Wall\DCN\Design\Fredm\Rechnets\162125-shc-500.dgn

USER NAME = RCall	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 5/5/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 (GLEN AVE TO FOREST AVE)  
SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-48-I	DUPAGE	37	4
			CONTRACT NO. 62J25	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	CONSTR. CODE
				80% FED / 20% STATE	100% CITY OF WEST CHICAGO
				RETAINING WALL	RETAINING WALL
				0044 URBAN	0044 URBAN
* 60618320	CONCRETE MEDIAN SURFACE, 6 INCH	SQ FT	4191	4191	
66400305	CHAIN LINK FENCE, 6'	FOOT	576	576	
* ** 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	285	285	
* ** 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2	
* ** 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1	
* ** 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1	
* ** 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	15	15	
* 67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	
67100100	MOBILIZATION	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	56	56	
* 70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	4388	4388	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1387.5	1387.5	
70600241	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2	
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1	
72000100	SIGN PANEL-TYPE 1	SQ FT	925	925	

\* DENOTES SPECIAL PROVISION REQUIRED

\*\* DENOTES SPECIALTY ITEM

REV-SEP

MODEL: D:\dgn\1110029\_34 EDOT D1 FTB 187-506 W034 IL 19 Retaining Wall\DWG\Des\gn\Retain\Pos\sheet10162125-rlc-500.dgn

USER NAME = RGall	DESIGNED - RG	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - CS	REVISED -
PLOT DATE = 5/5/2021	CHECKED - JH	REVISED +
	DATE -	REVISED +

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 (GLEN AVE TO FOREST AVE)  
SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-48-1	DUPAGE	37	5
CONTRACT NO. 62J25			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	CONSTR. CODE
				80% FED / 20% STATE	100% CITY OF WEST CHICAGO
				RETAINING WALL	RETAINING WALL
				0044 URBAN	0044 URBAN
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	17	17	
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	8	8	
** 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	8	8	
** 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	331	331	
78100300	REPLACEMENT REFLECTOR	EACH	68	68	
78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	112	112	
78200020	CURB REFLECTORS	EACH	55	55	
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	111	111	
* ** 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
* X0327999	ANTI-GRAFFITI COATING	SQ FT	4692		4692
* X5030290	STAINING CONCRETE STRUCTURES	SQ FT	4692		4692
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
* X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	1463	1463	
* X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	68	68	
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	

\* DENOTES SPECIAL PROVISION REQUIRED  
\*\* DENOTES SPECIALTY ITEM

REV-SEP

MODEL: Default  
FILE NAME: 2110029\_34 E071 D1 FTB 107-506 W034 IL 19 Retaining WallDWGDesig\m\p\sheet10162125-rlc-500.dgn

USER NAME = RGall	DESIGNED - RG	REVISED -
DRAWN - CS	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 5/5/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL 59 (GLEN AVE TO FOREST AVE)</b>	
<b>SUMMARY OF QUANTITIES</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-48-1		37	6
			CONTRACT NO. 62J25	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	CONSTR. CODE
				80% FED / 20% STATE	100% CITY OF WEST CHICAGO
				RETAINING WALL 0044 URBAN	RETAINING WALL 0044 URBAN
* Z0022800	FENCE REMOVAL	FOOT	616	616	
* Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	93	93	
* Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	576	576	
* ** Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1	
∅ Z0076600	TRAINEES	HOURS	500	500	
∅ Z0076604	TRAINEES-TRAINING PROGRAM GRADUATE	HOURS	500	500	

MODEL: D:\as41\...  
 FILE NAME: 2110039\_34 E01 D1 1TB\_1B7-506 W034 IL 19 Retaining Wall\CD\DWG\Des\gn\Item\Fac\sheet\01612125-rlc-500.dgn

∅0042  
 \* DENOTES SPECIAL PROVISION REQUIRED  
 \*\* DENOTES SPECIALTY ITEM

REV-SEP

USER NAME = RGall	DESIGNED = RG	REVISED =
DRAWN = CS	CHECKED = JH	REVISED =
PLOT SCALE = 100.0000 ' / in.	DATE = 5/5/2021	REVISED =
PLOT DATE = 5/5/2021		

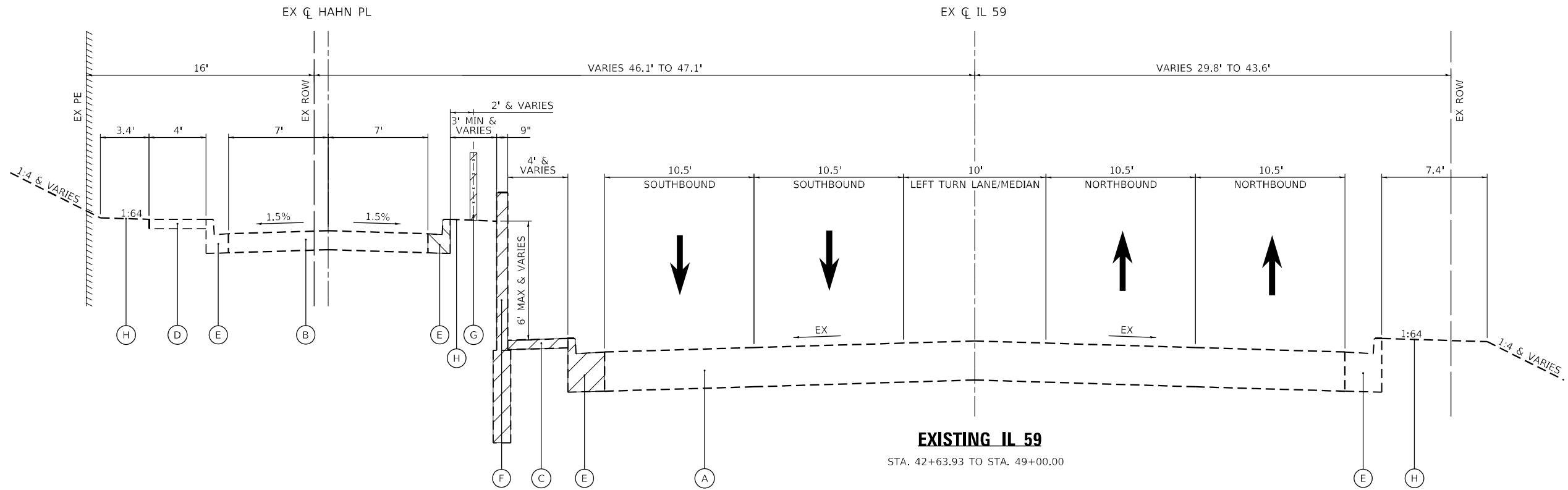
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 (GLEN AVE TO FOREST AVE)  
 SUMMARY OF QUANTITIES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-48-1	DUPAGE	37	7
CONTRACT NO. 62J25				
SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS	FED. AID PROJECT

**EXISTING LEGEND:**

- (A) EX HMA PAVEMENT, 16 1/2"\*
- (B) EX HMA PAVEMENT, 8"
- (C) EX HMA SHOULDER
- (D) EX PCC SIDEWALK
- (E) EX COMBINATION CURB AND GUTTER
- (F) EX RETAINING WALL
- (G) EX FENCE
- (H) EX EARTH
- ▨ TO BE REMOVED

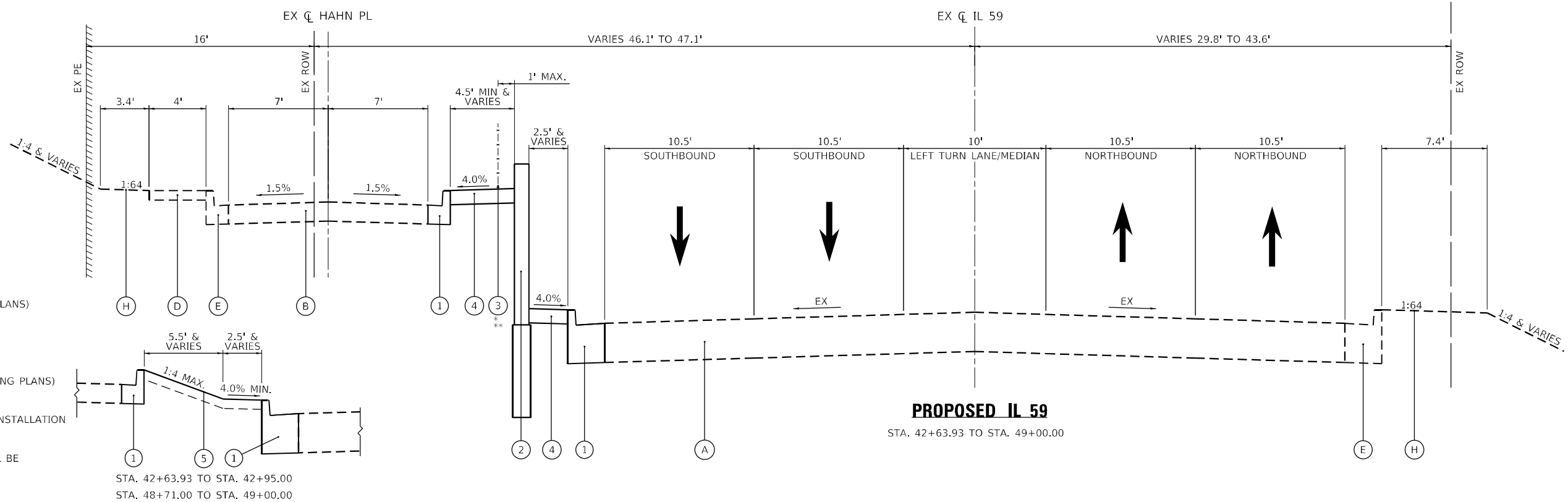


**PROPOSED LEGEND:**

- ① PR COMBINATION CURB AND GUTTER (SEE ROADWAY PLANS)
- ② PR RETAINING WALL (SEE STRUCTURAL PLANS)
- ③ PR CHAIN LINK FENCE, 6'
- ④ PR CONCRETE MEDIAN SURFACE, 6 INCH
- ⑤ PR SODDING & TOPSOIL (SEE LANDSCAPING PLANS)

\* DRILLING THROUGH CONCRETE FOR FENCE INSTALLATION IS INCLUDED IN THE COST OF THE FENCE

\*\* PROPOSED CHAIN LINK FENCE FABRIC SHALL BE TYPE IV, CLASS B, COLOR BROWN.



MODEL: D:\p\h\p\... FILE NAME: 21130309.34 IDOT D1.PFB 187-006 W034 IL 59 Retaining Wall\DCN\Design\Fred\p\Rechnets\162125-shc\typical.dgn

USER NAME = RCall	DESIGNED - RG	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN - CS	REVISED -
PLOT DATE = 5/5/2021	CHECKED - JH	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 (GLEN AVE TO FOREST AVE)  
TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2019-48-1	COUNTY DUPAGE	TOTAL SHEETS 37	SHEET NO. 8
CONTRACT NO. 62J25			ILLINOIS FED. AID PROJECT	



### HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES	QMP
<b>HMA REPAIR AREA</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70	4% @ 70 GYR	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP).		

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.
2. THE "AC TYPE" FOR HMA SHALL BE "PG64-22" UNLESS MODIFIED BY SPECIAL PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
4. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

#### HOT-MIX ASPHALT SCHEDULE

ROUTE	LENGTH	WIDTH	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	BITUMINOUS MATERIALS (TACK COAT)
	FOOT	FOOT	SQ YD	TON	POUND
IL 59	676	5	375.6	42.1	169.0
HAWN PL & INTERSECTION	754	2	167.6	18.8	75.4
<b>TOTAL</b>			<b>544</b>	<b>61</b>	<b>245</b>

### NOTES

1. HMA SURFACE DAMAGED BY CURB AND GUTTER REMOVAL WORK SHALL BE MILLED AND RESURFACED 2".
2. THE WIDTH OF THE REPAIR AREA SHALL BE 5' ALONG IL 59 AND 2' IN ALL OTHER AREAS. WIDTH SHALL NOT CAUSE A LONGITUDINAL JOINT WITHIN A WHEEL PATH.
3. EXACT LOCATIONS AND SIZES OF REPAIR AREA SHALL BE DETERMINED BY THE ENGINEER.

MODEL Path: \\...  
 FILE NAME: 21130039.34.DDOT.D1.PTB.187-006.W034\_IL\_59\_Restriping\_WallDesign\Drawings\Rechnets\162125-shc-dt1616-astchins.dgn

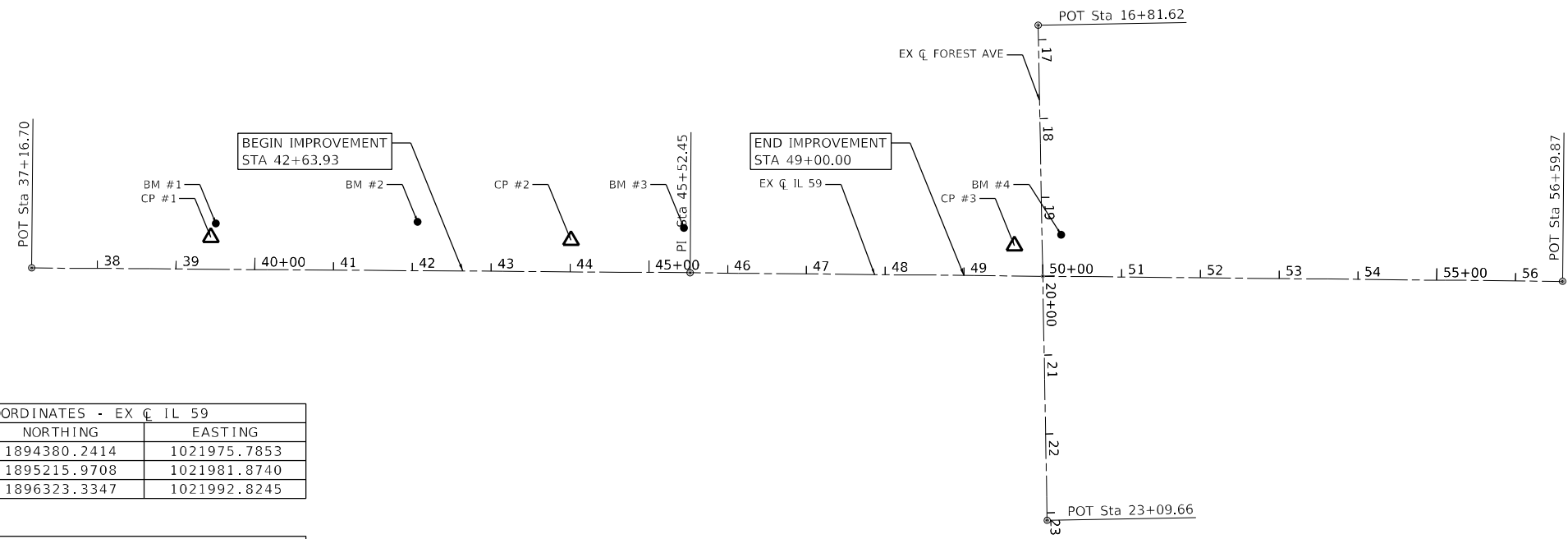
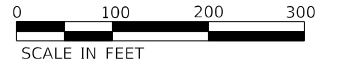
USER NAME = RCall	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 6/28/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 (GLEN AVE TO FOREST AVE)  
TYPICAL SECTIONS**

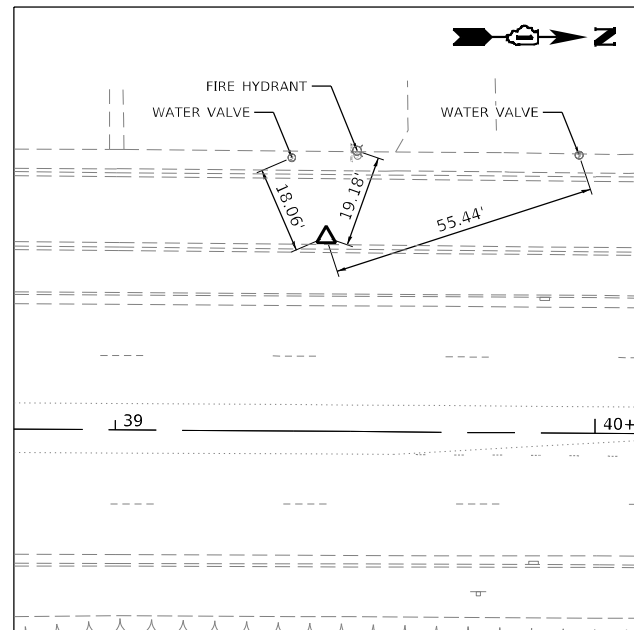
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-48-1	DUPAGE	37	8A
CONTRACT NO. 62J25				
ILLINOIS FED. AID PROJECT				



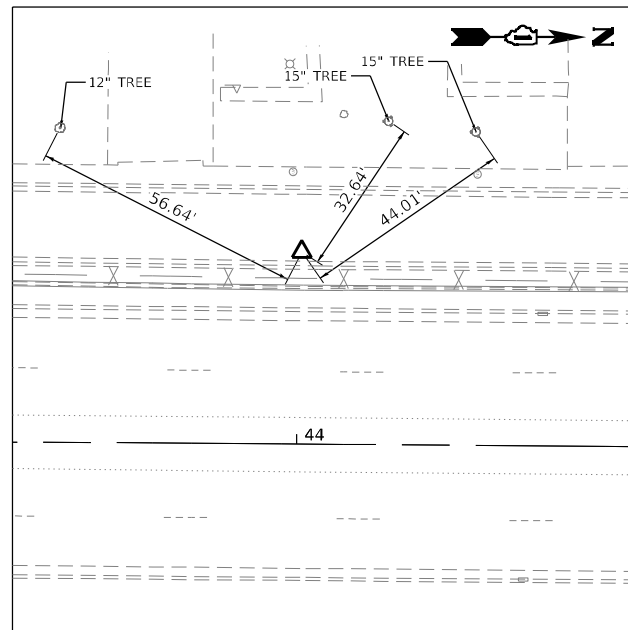
ALIGNMENT COORDINATES - EX CL IL 59			
POINT	STATION	NORTHING	EASTING
POT	37+16.70	1894380.2414	1021975.7853
PI	45+52.45	1895215.9708	1021981.8740
POT	56+59.87	1896323.3347	1021992.8245

ALIGNMENT COORDINATES - EX CL FOREST AVE			
POINT	STATION	NORTHING	EASTING
POT	16+81.62	1895657.7378	1021667.9699
POT	23+09.66	1895669.1036	1022295.9114



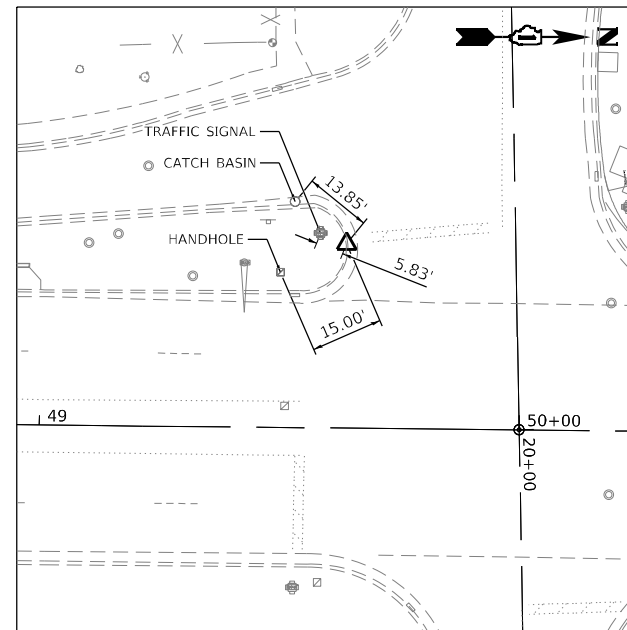
**CONTROL POINT #1**

MAG NAIL IN IL 59 FRONTAGE RD  
 STA. 39+43.66, 40.46' LT  
 N: 1894607.4943, E: 1021936.9756  
 EL: 745.96



**CONTROL POINT #2**

MAG NAIL IN IL 59 FRONTAGE RD  
 STA. 44+00.81, 40.09' LT  
 N: 1895064.6317, E: 1021940.6800  
 EL: 757.68



**CONTROL POINT #3**

"X" IN TOP OF CURB IN SW RETURN  
 IL 59 & FOREST AVE  
 STA. 49+63.66, 38.42 LT  
 N: 1895627.5422, E: 1021947.5189  
 EL: 757.06

**BENCHMARK #1**

BOLT W/ ARROW ON FIRE HYDRANT ON  
 W SIDE OF IL 59 FRONTAGE RD ± 280' S OF GLEN AVE  
 STA 39+49.98, 58.10' LT  
 N 1894613.9437  
 E 1021919.3820  
 EL 759.33

**BENCHMARK #2**

BOLT W/ ARROW ON FIRE HYDRANT ON  
 SW CORNER OF IL 59 FRONTAGE RD & GLEN AVE  
 STA 42+06.05, 62.12' LT  
 N 1894870.0362  
 E 1021917.2318  
 EL 758.04

**BENCHMARK #3**

BOLT W/ ARROW ON FIRE HYDRANT  
 W SIDE OF IL 59 FRONTAGE ± 450' S OF FOREST AVE  
 STA 45+44.10, 56.71' LT  
 N 1895208.0313  
 E 1021925.1021  
 EL 757.75

**BENCHMARK #4**

CHISELED SQUARE IN S CORNER OF TRAFFIC CONTROL BOX  
 IN NW CORNER OF IL 59 & FOREST AVE  
 STA 50+22.74, 52.81' LT  
 N 1895686.7591  
 E 1021933.7166  
 EL 746.26

MODEL: D:\p\h\p\...  
 FILE NAME: 21130039.34.DDOT.D1.PTB.187-006.W034\_IL\_59\_Restoring\_WallDesign\Fred\MyP\Rechnets\162125-shc-ATB.dgn

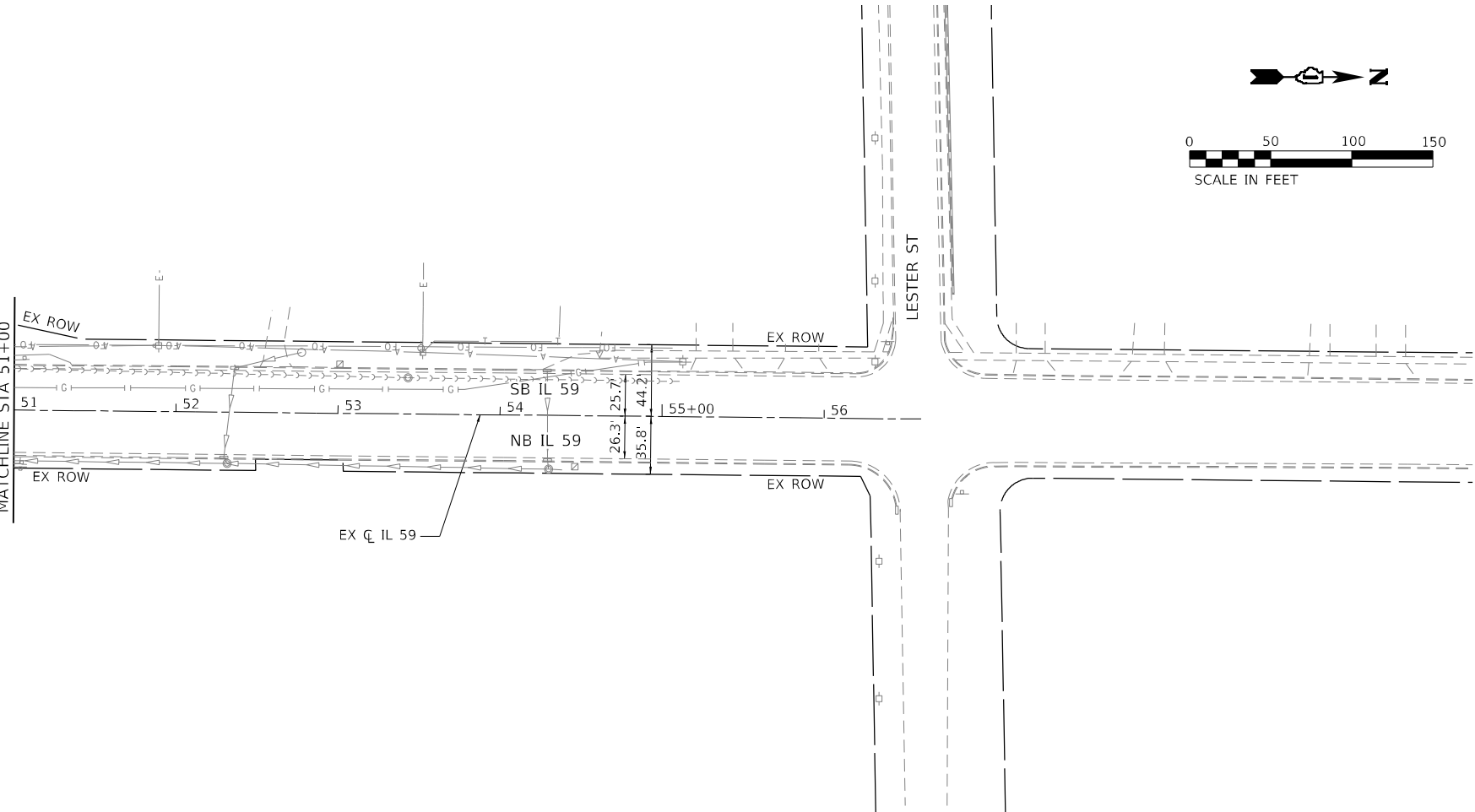
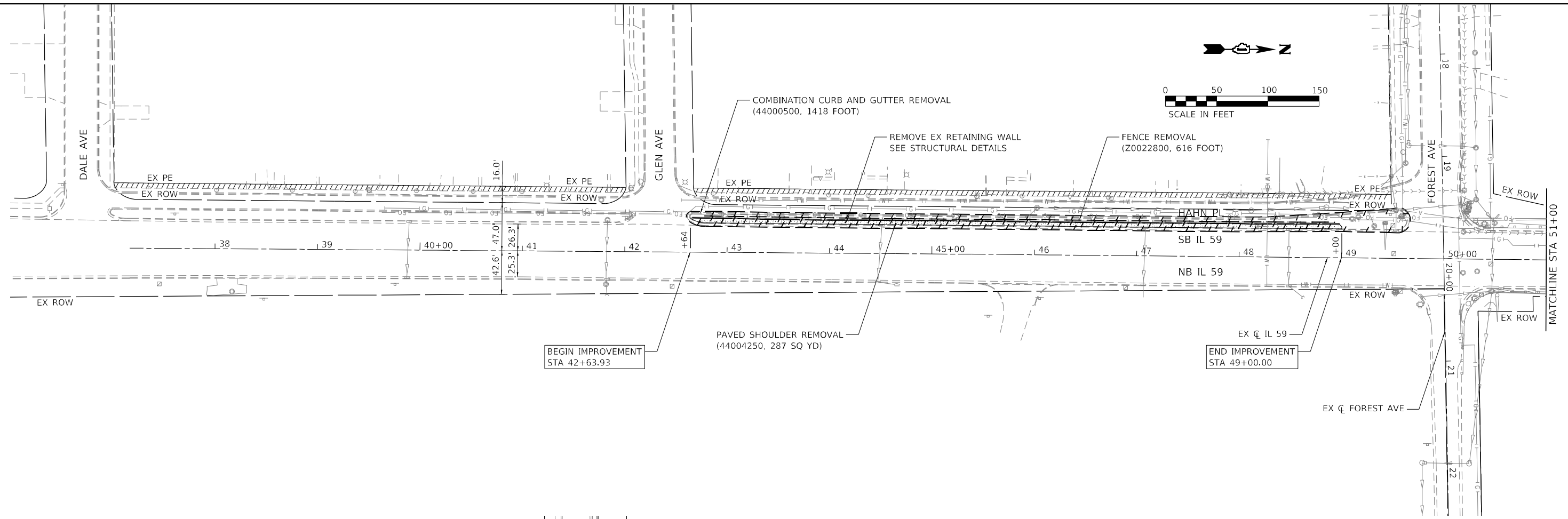
USER NAME = RCall	DESIGNED - RG	REVISED -
PLOT SCALE = 200,000' / in.	DRAWN - CS	REVISED -
PLOT DATE = 5/5/2021	CHECKED - JH	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 59 (GLEN AVE TO FOREST AVE)  
 ALIGNMENT, TIES, AND BENCHMARKS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-48-1	DUPAGE	37	9
			CONTRACT NO. 62J25	
ILLINOIS FED. AID PROJECT				



**LEGEND**

- PAVEMENT REMOVAL
- LINEAR ITEM REMOVAL

MODEL Path: \\...  
 FILE NAME: Z:\30039.34 IDOT D1 PFB 187-006 W034 IL 59 Retaining Wall\DCN\Design\Fred\187-006-59-rc-removal.dgn

USER NAME = RCall	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 5/5/2021	DATE -	REVISED -

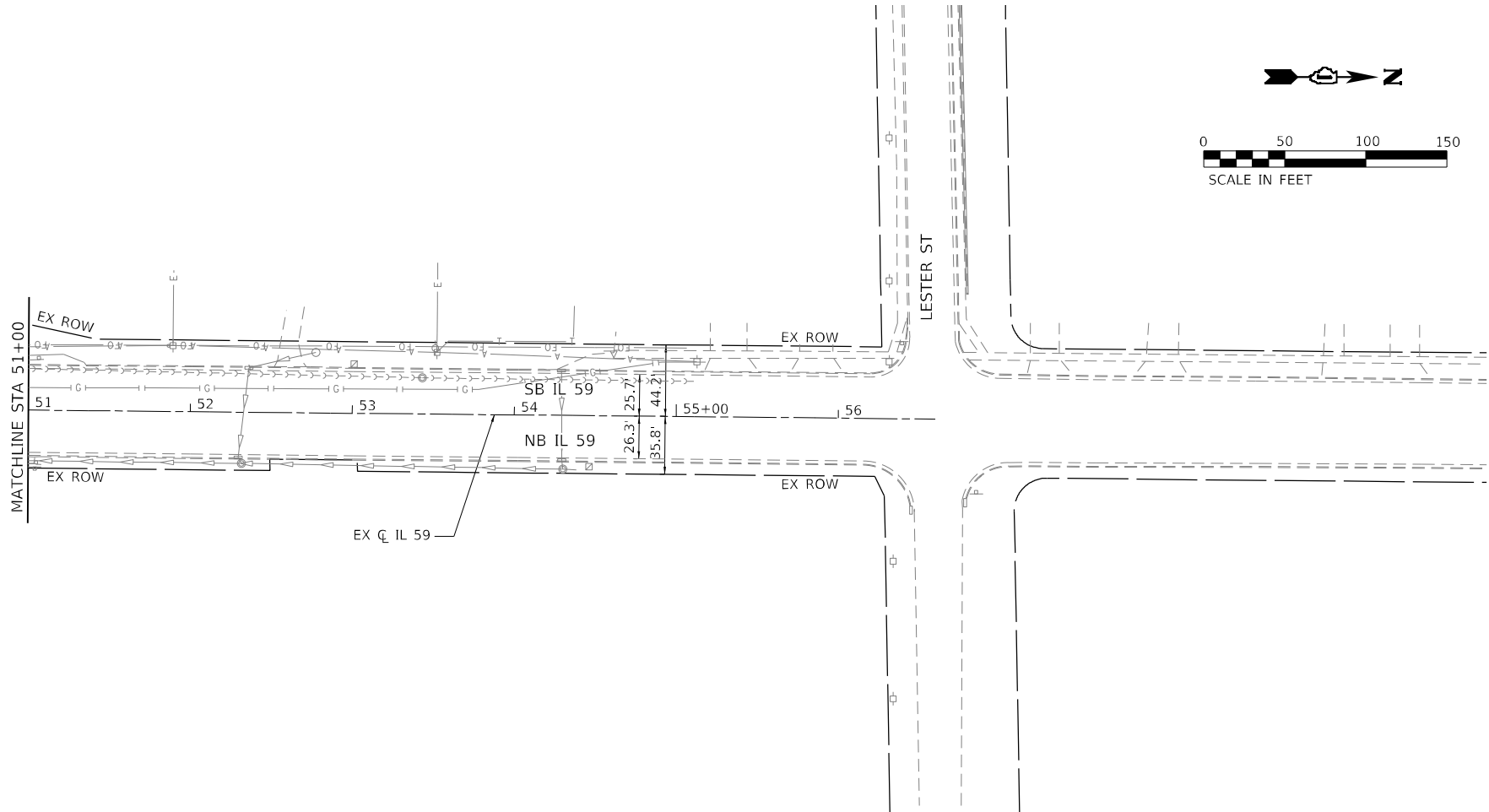
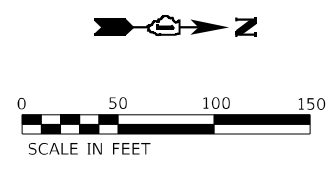
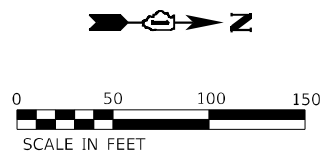
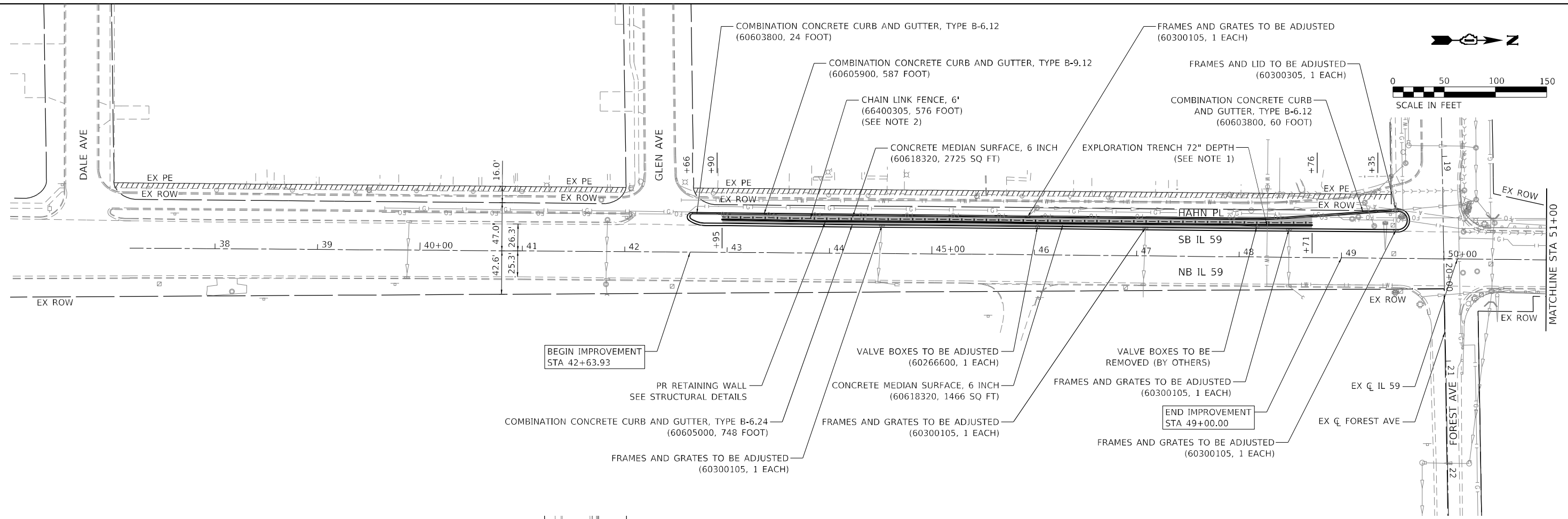
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL 59 (GLEN AVE TO FOREST AVE)**  
**REMOVAL PLAN**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE. 338	SECTION 2019-48-1	COUNTY DUPAGE	TOTAL SHEETS 37	SHEET NO. 10
CONTRACT NO. 62J25			ILLINOIS FED. AID PROJECT	

MODEL: C:\p\h\p\...  
 FILE NAME: Z:\130339.34 IDOT D1 PFB 187-006 W034 IL 59 Retaining Wall\DCM\Design\Final\Revised\187-006-59-rc-draw.dgn



**PROPOSED ROADWAY LEGEND**

- HOT-MIX ASPHALT SHOULDERS, 6"
- CHAIN LINK FENCE, 6'

**NOTES**

1. THE CONTRACTOR SHALL LOCATE THE EXISTING WATER MAIN IN THE FIELD. THE EXISTING WATER MAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR DURING CONSTRUCTION.
2. PROPOSED CHAIN LINK FENCE FABRIC SHALL BE TYPE IV, CLASS B, COLOR BROWN.
3. PROPOSED CHAIN LINK FENCE FOOTINGS SHALL BE SPACED TO AVOID LOCATIONS OF DRILLED SOLDIER PILES. SEE STRUCTURAL PLANS.

USER NAME = RCall	DESIGNED - RG	REVISED -
DRAWN - CS	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 5/5/2021	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL 59 (GLEN AVE TO FOREST AVE)**  
**ROADWAY PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-48-1	DUPAGE	37	11
CONTRACT NO. 62J25				
ILLINOIS FED. AID PROJECT				

**MAINTENANCE OF TRAFFIC – GENERAL NOTES**

1. THE CONTRACTOR SHALL REMOVE AND SAFELY STORE (FREE FROM THEFT OR DAMAGE) OR COVER ALL CONFLICTING EXISTING SIGNS FOR THE DURATION OF THE CONSTRUCTION. ALL SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE END OF THE CONSTRUCTION.
2. ANY RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH THE TEMPORARY TRAFFIC LANES MUST HAVE THE REFLECTIVE LENSES REMOVED AS DIRECTED BY THE ENGINEER.
3. ALL TEMPORARY PAVEMENT MARKINGS DURING STAGED CONSTRUCTION SHALL BE PAVEMENT MARKING TAPE, TYPE IV OF THE WIDTH AND COLOR SPECIFIED ON THE PLAN SHEETS.
4. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS OF SERVICE SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. SUFFICIENT QUANTITIES FOR 2 APPLICATIONS OF TEMPORARY PAVEMENT MARKINGS HAVE BEEN PROVIDED FOR EACH STAGE.
5. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCESS TO ALL COMMERCIAL AND RESIDENTIAL ENTRANCES FOR THE ENTIRE DURATION OF THE PROJECT UNLESS OTHERWISE SHOWN ON THE PLANS.
6. SIDE ROAD, INTERSECTIONS, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10.
7. SHORT-TERM DAILY LANE CLOSURES MAY BE REQUIRED FOR INSTALLATION OF PERMANENT PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARD 701501 FOR HAHN PL AND HIGHWAY STANDARD 701426 FOR IL 59.

**MAINTENANCE OF TRAFFIC – STAGING NOTES**

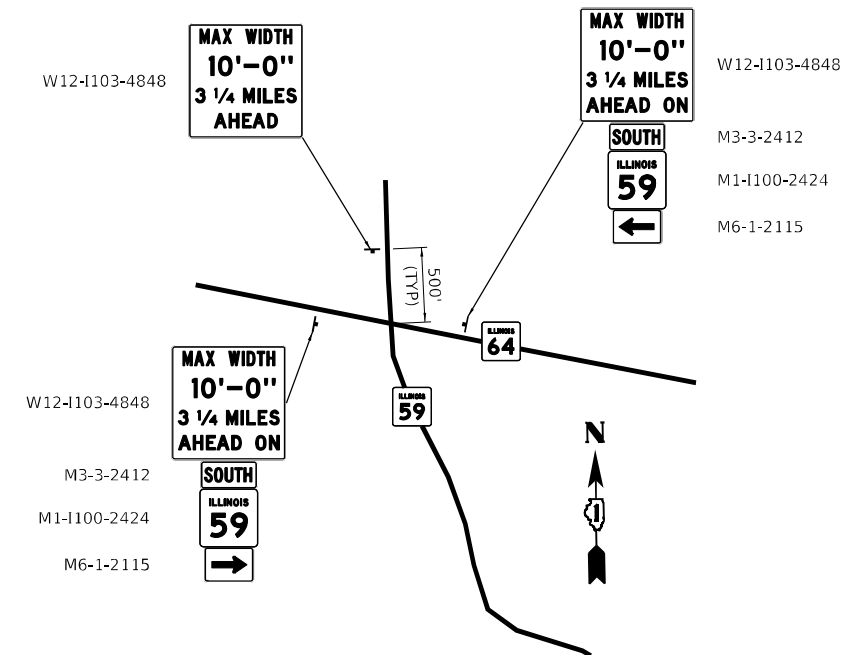
**TRAFFIC**

1. UTILIZE STD 701602 TO CLOSE RIGHT LANE OF SOUTHBOUND IL 59. MAINTAIN BOTH LANES OF NORTHBOUND TRAFFIC. MAINTAIN EXISTING LANE WIDTHS.
2. MAINTAIN ONE 10.25' LANE ON HANH LN. CLOSE ROAD TO NORTHBOUND TRAFFIC.
3. CLOSE GLEN AVE BETWEEN HAHN LN AND IL 59. REFER TO DETOUR PLANS. CLOSE IL 59 LEFT TURN LANE TO GLEN AVE PER STD 701701.

**CONSTRUCTION**

1. REMOVE EXISTING RETAINING WALL. CONSTRUCT PROPOSED RETAINING WALL. REFER TO STRUCTURAL PLANS.
2. CURB AND GUTTER ALONG HAHN PL IS TO BE REMOVED AFTER CONSTRUCTION OF THE WALL IS COMPLETE.

**ADVANCE LANE WIDTH SIGNING DETAIL – IL 59 AT IL 64**



MODEL Path: \\fs01\dot\proj\201909314 IDOT D1 PFB 187-006 W034 IL 59 Retaining Wall\DCN\Design\Fred\w\Recharts\162125-shc-dm\110908.dgn  
 FILE NAME: 2113009314 IDOT D1 PFB 187-006 W034 IL 59 Retaining Wall\DCN\Design\Fred\w\Recharts\162125-shc-dm\110908.dgn

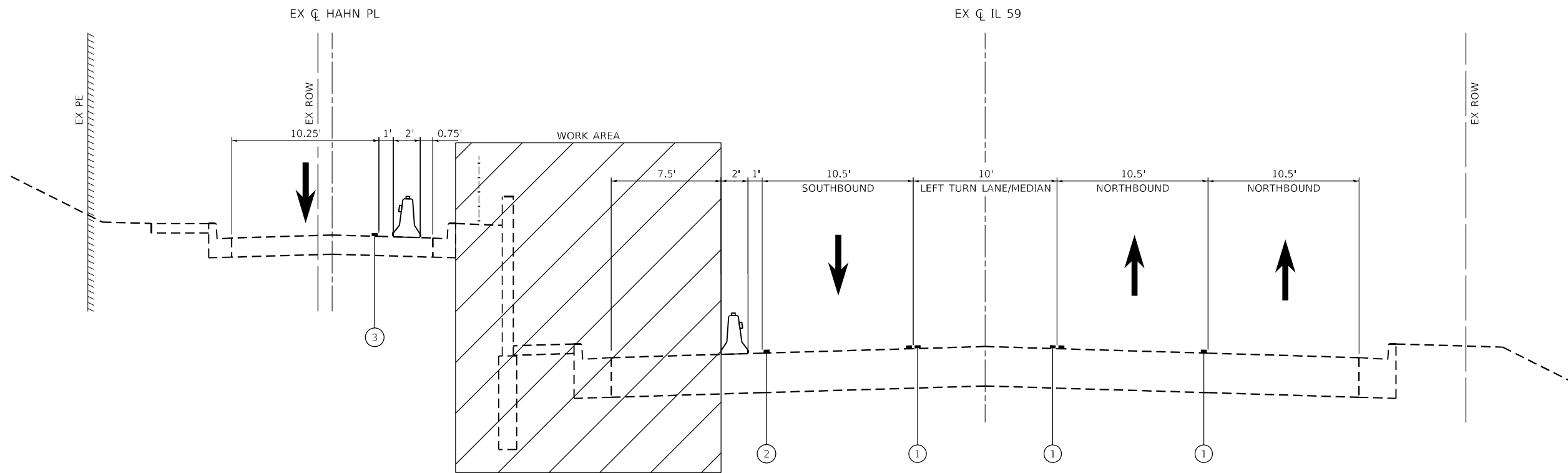
USER NAME = RCall	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 5/5/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 (GLEN AVE TO FOREST AVE)  
MAINTENANCE OF TRAFFIC – STAGING NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-48-I	DUPAGE	37	12
			CONTRACT NO. 62J25	
		ILLINOIS	FED. AID PROJECT	



**STAGING TYPICAL SECTION  
IL 59**

**LEGEND**

- WORK AREA
- DIRECTION OF TRAFFIC FLOW

- TEMPORARY CONCRETE BARRIER WALL  
W/ TYPE C BARRIER WALL MARKERS  
(FREE STANDING)

- ① EXISTING PAVEMENT MARKING
- ② PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- ③ PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)

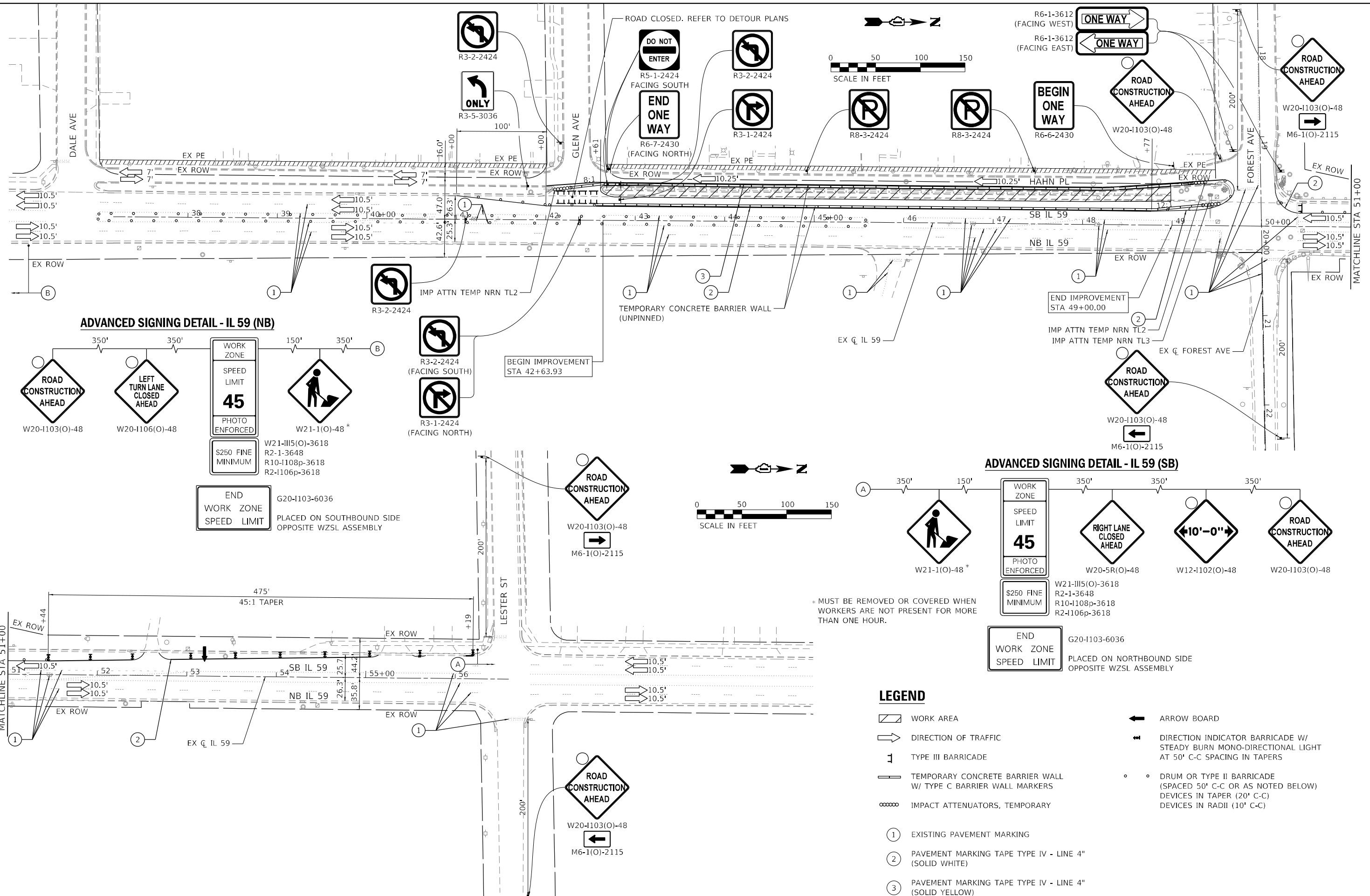
USER NAME = RCall	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 5/5/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

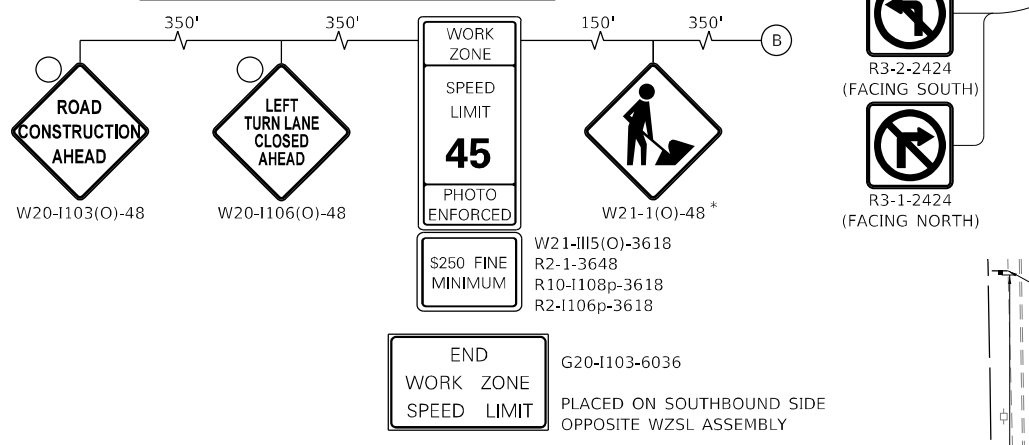
<b>IL 59 (GLEN AVE TO FOREST AVE)</b>				F.A.P. RTE. 338	SECTION 2019-48-1	COUNTY DUPAGE	TOTAL SHEETS 37	SHEET NO. 13
<b>MAINTENANCE OF TRAFFIC TYPICAL SECTIONS</b>				CONTRACT NO. 62J25				
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

MODEL: D:\c\h\p\...  
FILE NAME: Z:\30039.34.DDOT.D1.PFB.187-006.W034\_IL\_59\_Retaining\_Wall\DCN\Design\Fred\W\Plotsheets\162125-shc-staging-typical.dgn

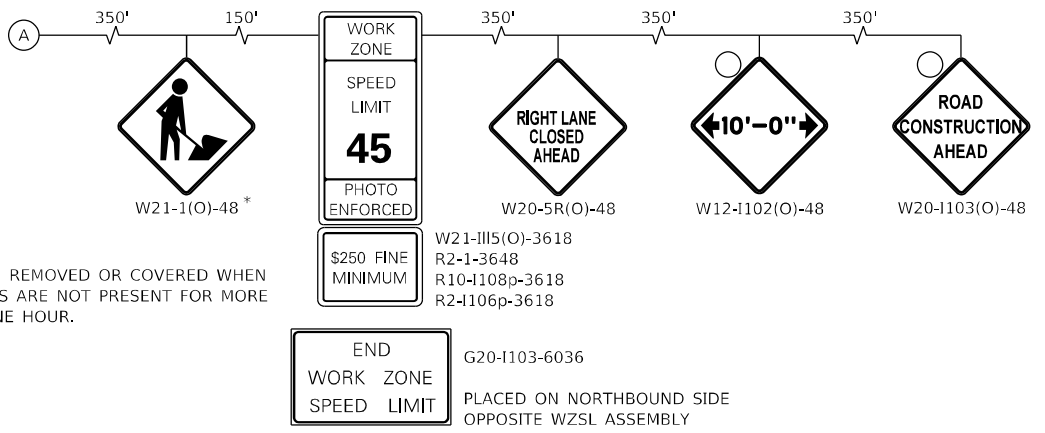
MODEL Path: \\p03039.34\DOT\DOT D1\PTB 187-006\W034\_IL\_59\_Retaining Wall\DCM\Design\Fred\W034\_IL\_59\_Retaining Wall\DCM\Design\Fred\W034\_IL\_59\_Retaining Wall\DCM\Design\Fred\W034\_IL\_59\_Retaining Wall.dgn  
 FILE NAME: Z:\303039.34\DOT\DOT D1\PTB 187-006\W034\_IL\_59\_Retaining Wall\DCM\Design\Fred\W034\_IL\_59\_Retaining Wall\DCM\Design\Fred\W034\_IL\_59\_Retaining Wall.dgn



**ADVANCED SIGNING DETAIL - IL 59 (NB)**



**ADVANCED SIGNING DETAIL - IL 59 (SB)**



**LEGEND**

- WORK AREA
- DIRECTION OF TRAFFIC
- TYPE III BARRICADE
- TEMPORARY CONCRETE BARRIER WALL W/ TYPE C BARRIER WALL MARKERS
- IMPACT ATTENUATORS, TEMPORARY
- EXISTING PAVEMENT MARKING
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID WHITE)
- PAVEMENT MARKING TAPE TYPE IV - LINE 4" (SOLID YELLOW)
- ARROW BOARD
- DIRECTION INDICATOR BARRICADE W/ STEADY BURN MONO-DIRECTIONAL LIGHT AT 50' C-C SPACING IN TAPERS
- DRUM OR TYPE II BARRICADE (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (20' C-C) DEVICES IN RADII (10' C-C)

USER NAME = RCall	DESIGNED - RG	REVISED -
DRAWN - CS	REVISED -	
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 5/5/2021	DATE -	REVISED -

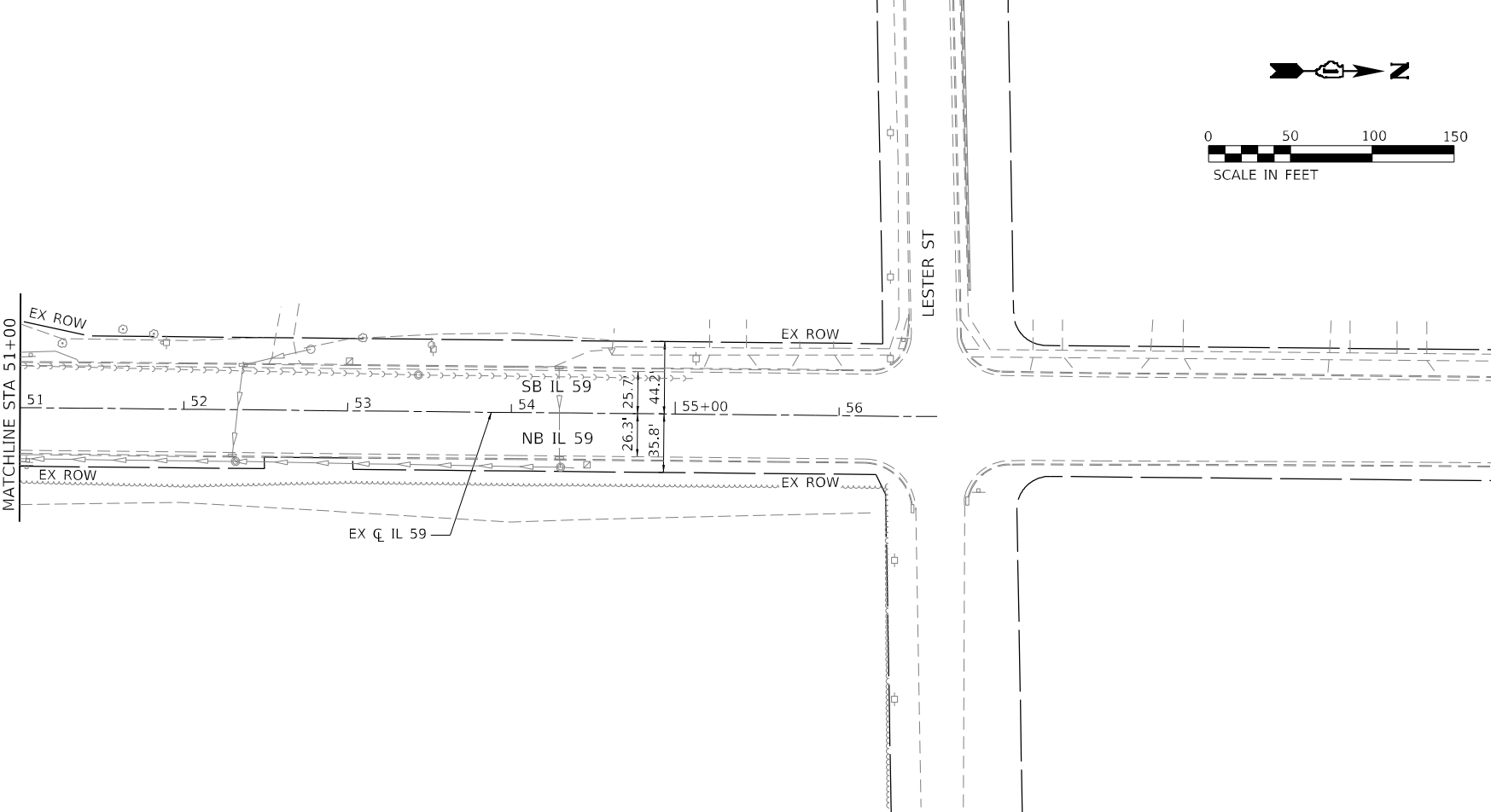
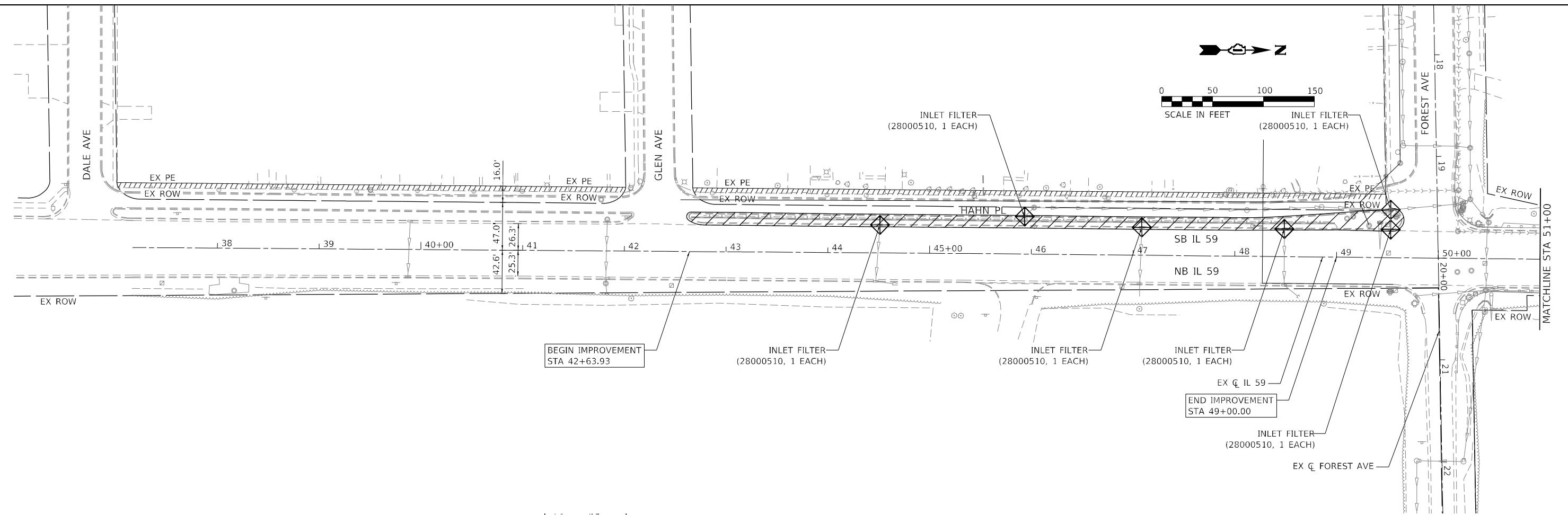
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>IL 59 (GLEN AVE TO FOREST AVE) MAINTENANCE OF TRAFFIC PLANS</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-48-1	DUPAGE	37	14
CONTRACT NO. 62J25				
ILLINOIS FED. AID PROJECT				







**LEGEND:**

-  INLET FILTER
-  WORK AREA

MODEL: Default  
 FILE NAME: Z:\130339.34 IDOT D1 PFB 187-006 W034 IL 59 Retaining Wall\DCM\Design\Fred\W\Revised\162125-rlc-006.dgn

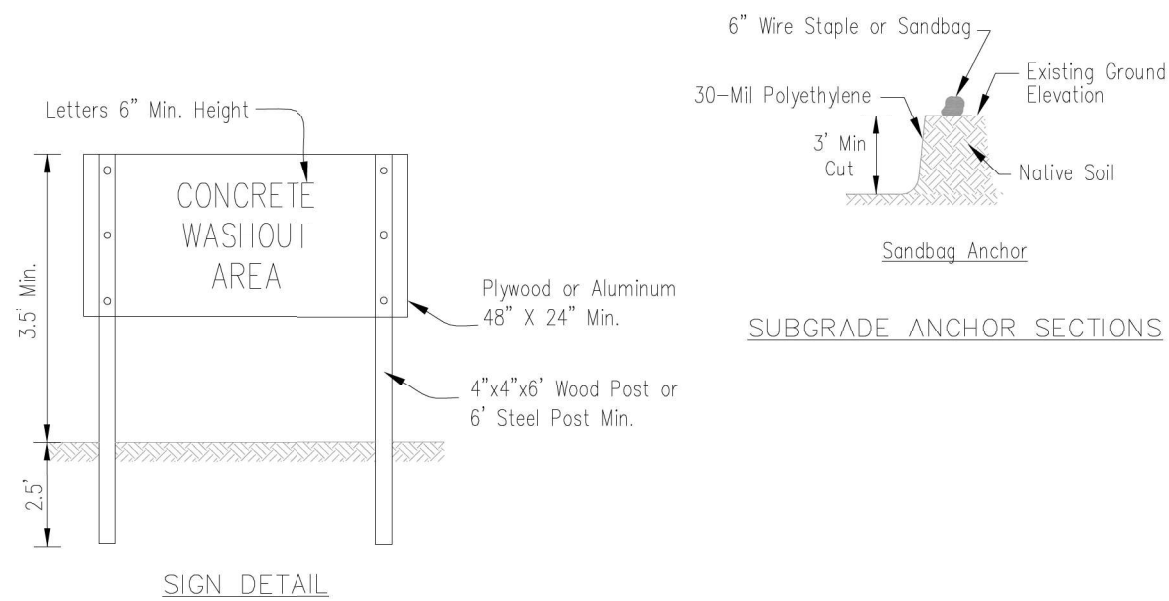
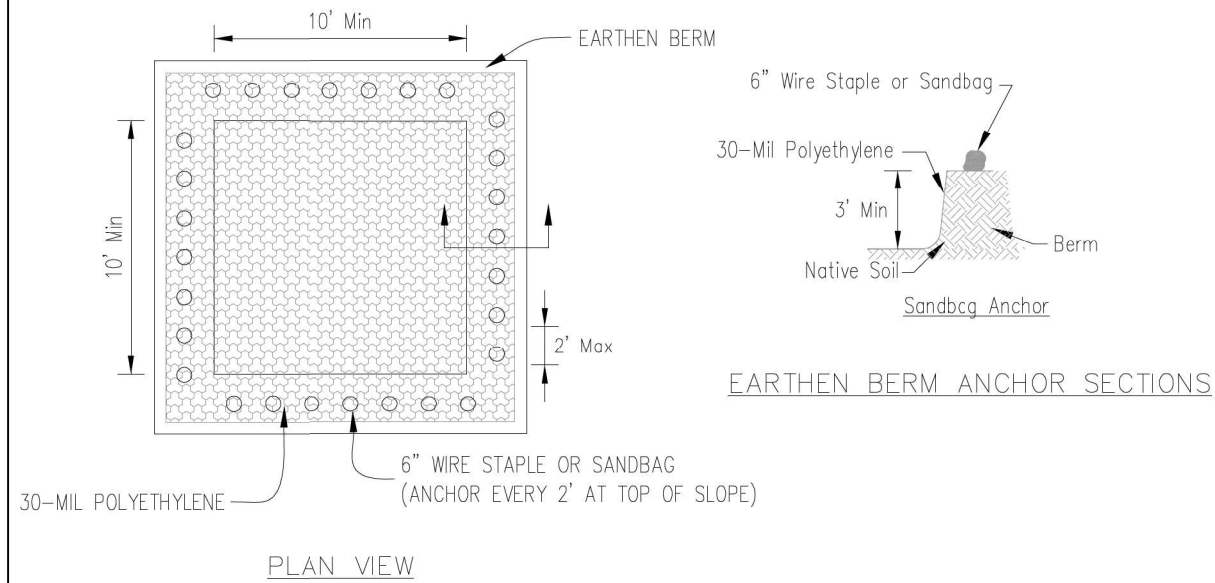
USER NAME = RCall	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 5/5/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 59 (GLEN AVE TO FOREST AVE)  
EROSION CONTROL PLAN**

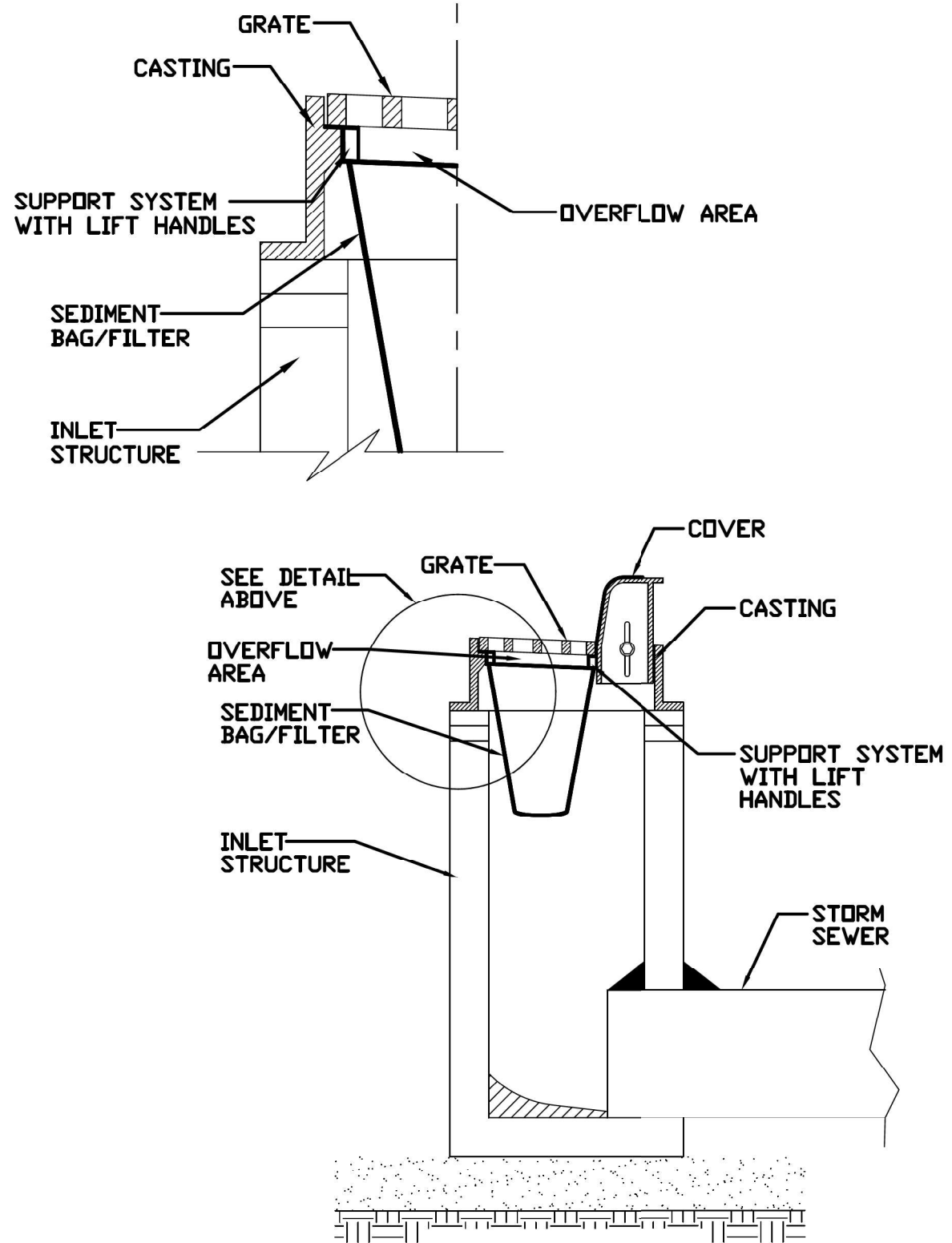
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-48-1	DUPAGE	37	16
CONTRACT NO. 62J25				
ILLINOIS FED. AID PROJECT				



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

## INLET PROTECTION - PAVED AREAS DROP-IN PROTECTION



REFERENCE Project \_\_\_\_\_ Date \_\_\_\_\_  
 Designed \_\_\_\_\_ Date \_\_\_\_\_  
 Checked \_\_\_\_\_ Date \_\_\_\_\_  
 Approved \_\_\_\_\_ Date \_\_\_\_\_



STANDARD DWG. NO.  
**IUM-561D**  
 SHEET 1 OF 1  
 DATE 01-11-11

MODEL Path: \\...  
 FILE NAME: 21130309.34 IDOT D1 PFB 1B7-006 W034 IL 59 Retaining Wall Design Prelim\Revised\162125-shc-ar-04.dwg

Sheet 2 of 5	Drawn	Checked	Approved	Date
	CS	JH		6/18

TEMPORARY CONCRETE WASHOUT FACILITY - EARTHEN TYPE

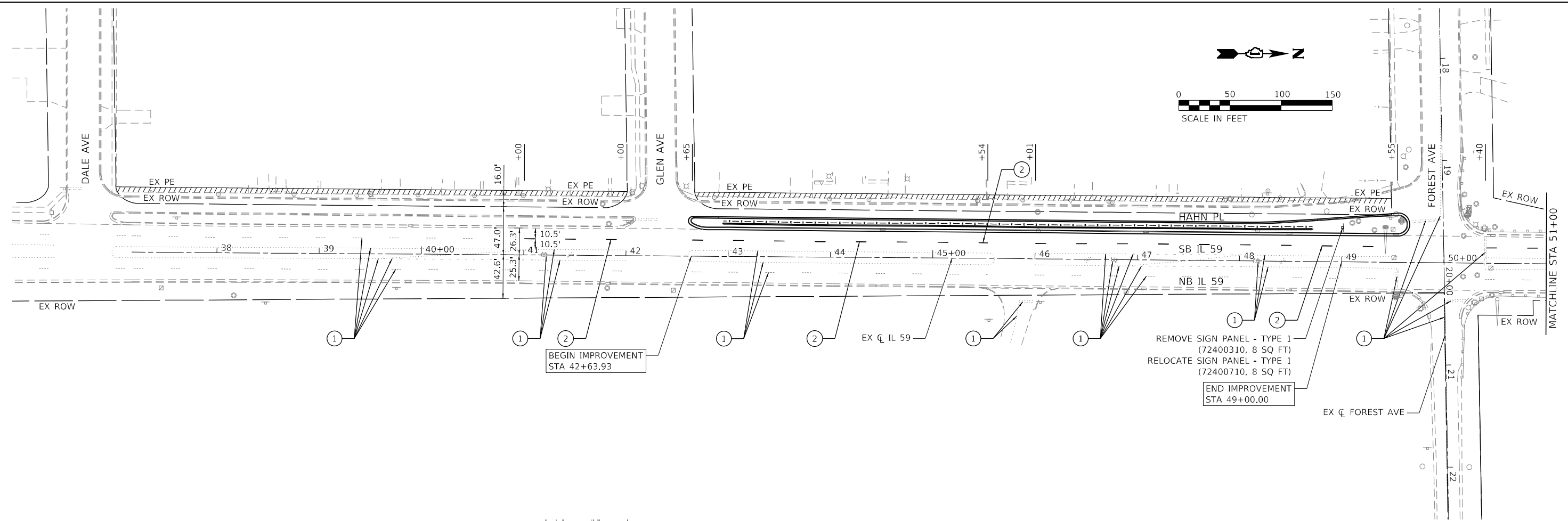
USER NAME = RCall	DESIGNED - RG	REVISED -
	DRAWN - CS	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 5/5/2021	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

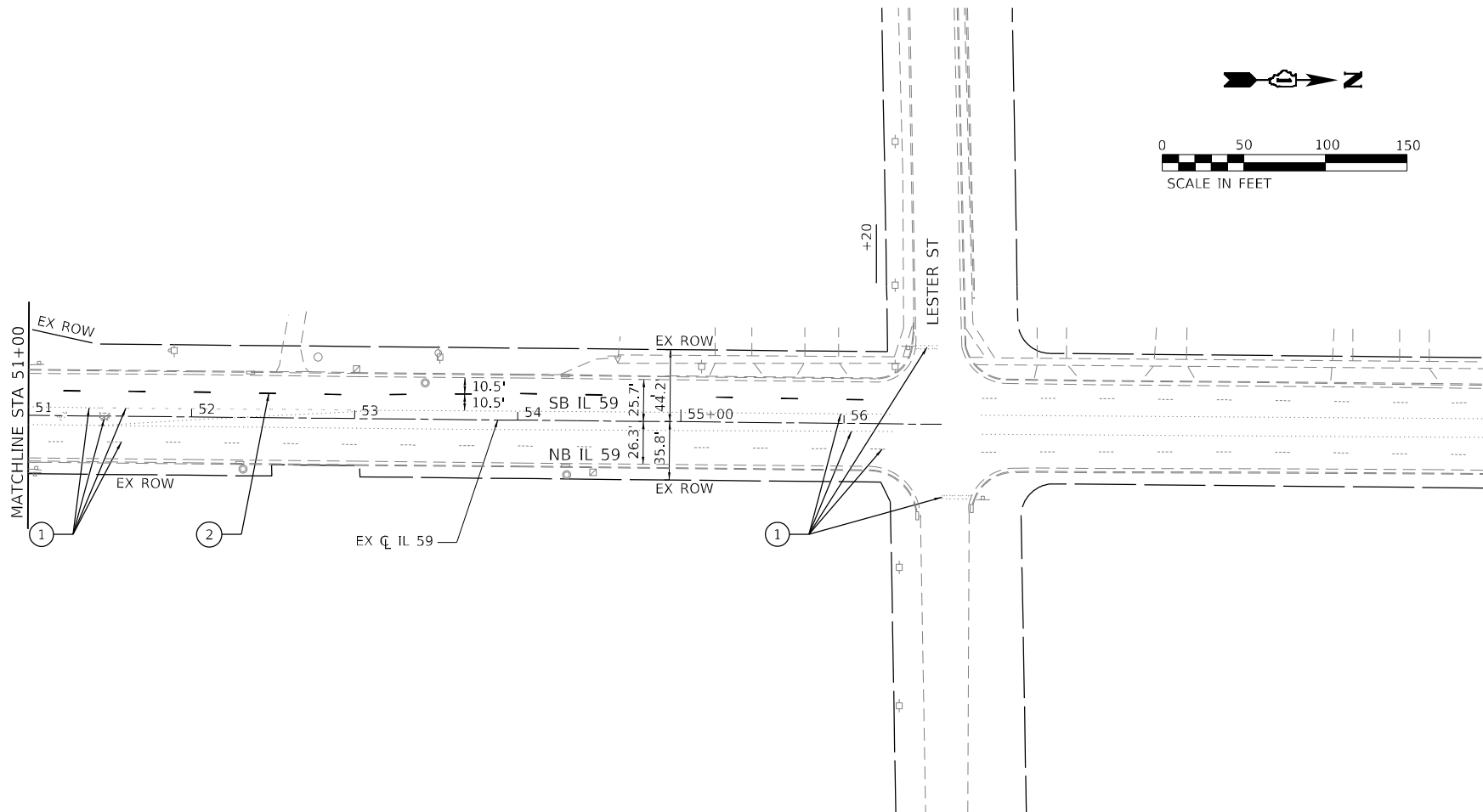
IL 59 (GLEN AVE TO FOREST AVE)  
 EROSION CONTROL DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 338	SECTION 2019-48-1	COUNTY DUPAGE	TOTAL SHEETS 37	SHEET NO. 17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62J25	



REMOVE SIGN PANEL - TYPE 1  
(72400310, 8 SQ FT)  
RELOCATE SIGN PANEL - TYPE 1  
(72400710, 8 SQ FT)  
END IMPROVEMENT  
STA 49+00.00



### PAVEMENT MARKING LEGEND

- ① EXISTING PAVEMENT MARKING
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (10' - DASH, 30' - SKIP, WHITE)

### NOTES

1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT DISTRICT 1 STANDARD TC-13.

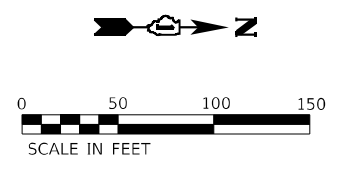
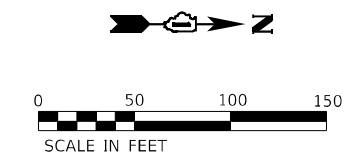
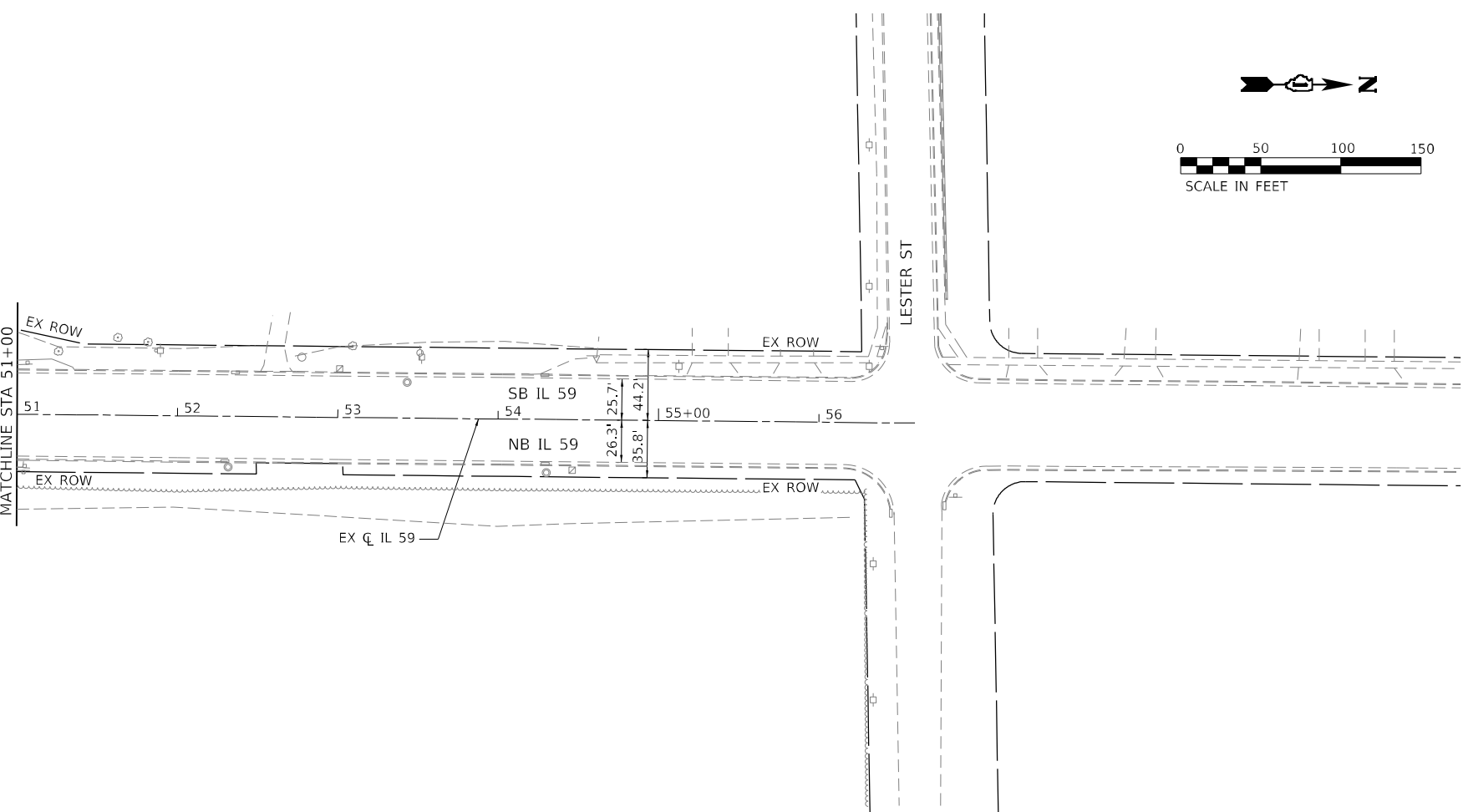
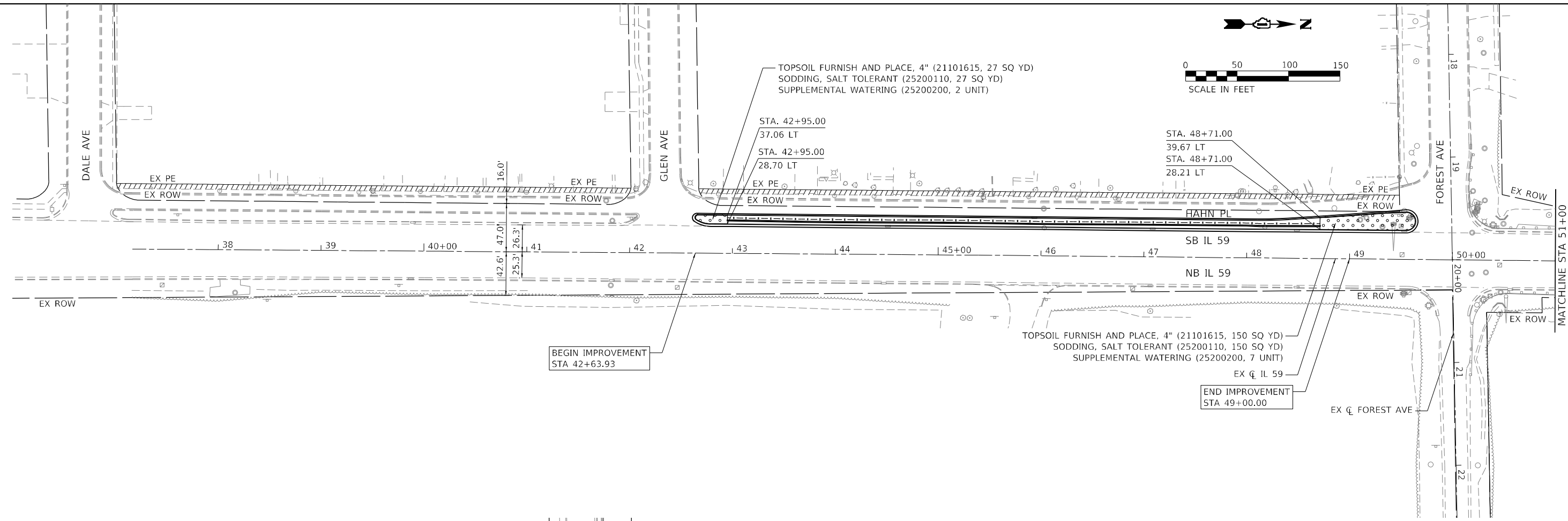
MODEL: Default  
FILE NAME: Z:\180309.34 IDOT D1 PFB 187-006 W034 IL 59 Restriping WRI\DCN\Design\Fred\Work\Rechnets\162125-sbc-ent.dgn


USER NAME = RCall	DESIGNED - RG	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - CS	REVISED -
PLOT DATE = 5/5/2021	CHECKED - JH	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

IL 59 (GLEN AVE TO FOREST AVE) PAVEMENT MARKING AND SIGNING PLAN				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-48-1	DUPAGE	37	18
CONTRACT NO. 62J25				
ILLINOIS		FED. AID PROJECT		



**LEGEND:**  
 TOPSOIL FURNISH AND PLACE, 4"  
 SODDING, SALT TOLERANT  
 SUPPLEMENTAL WATERING

MODEL: D:\cfd\h\...  
 FILE NAME: Z:\130339.34 IDOT D1 PFB 187-006 W034 IL 59 Restoring Urban Design\Fred\Plotsheets\162125-shc-hdscdp.dgn

USER NAME = RCall	DESIGNED - RG	REVISED -
DRAWN - CS	REVISOR -	
PLOT SCALE = 100,0000' / in.	CHECKED - JH	REVISED -
PLOT DATE = 5/5/2021	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL 59 (GLEN AVE TO FOREST AVE)**  
**LANDSCAPING PLAN**

F.A.P. RTE. 338	SECTION 2019-48-1	COUNTY DUPAGE	TOTAL SHEETS 37	SHEET NO. 19
CONTRACT NO. 62J25				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

Benchmark: Bolt with arrow on fire hydrant west side Frontage Road of IL 59 ±280' south of Glen Avenue. Elev. 759.33

Existing Structure: The existing structure (no known S.N.) is a ±632 foot long cast-in-place concrete vertical cantilever retaining wall with a maximum exposed height of ±5 feet. Year built is unknown.

Traffic is to be maintained along IL Route 59. One southbound lane may be closed when required. A 10.25-ft traffic lane is to be maintained along Hahn Place during construction.

No Salvage.

**INDEX OF SHEETS**

1. General Plan and Elevation (1 of 2)
2. General Plan and Elevation (2 of 2)
3. General Data
4. Soldier Pile Layout (1 of 2)
5. Soldier Pile Layout (2 of 2)
6. Wall Details
- 7-8. Soil Boring Logs I-I'

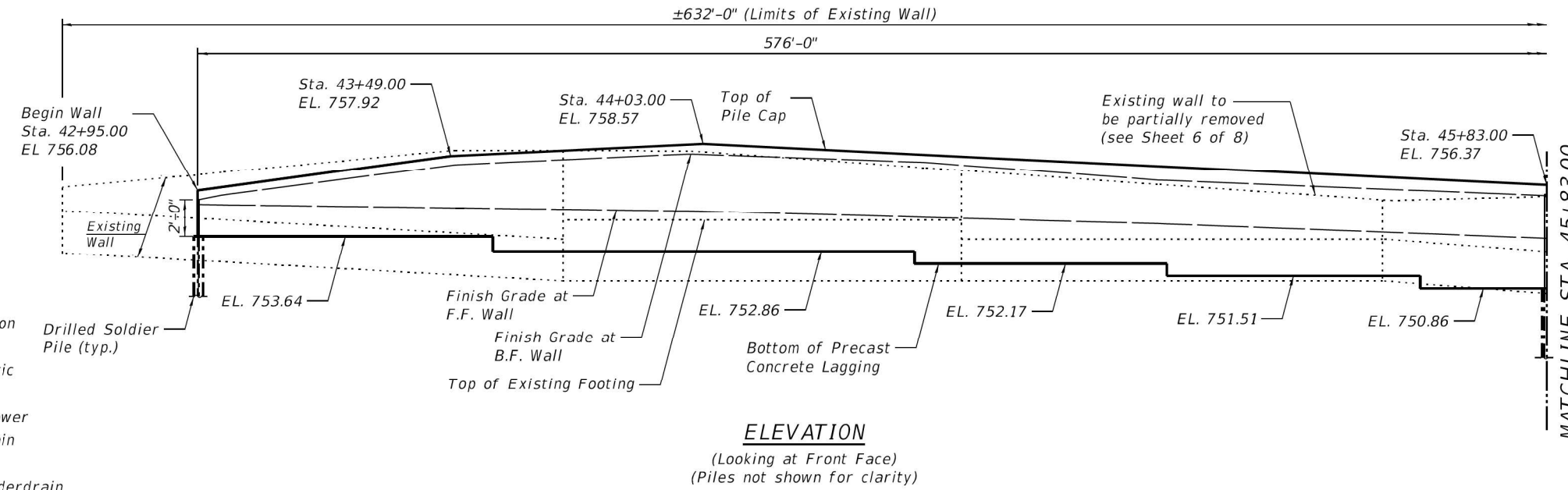
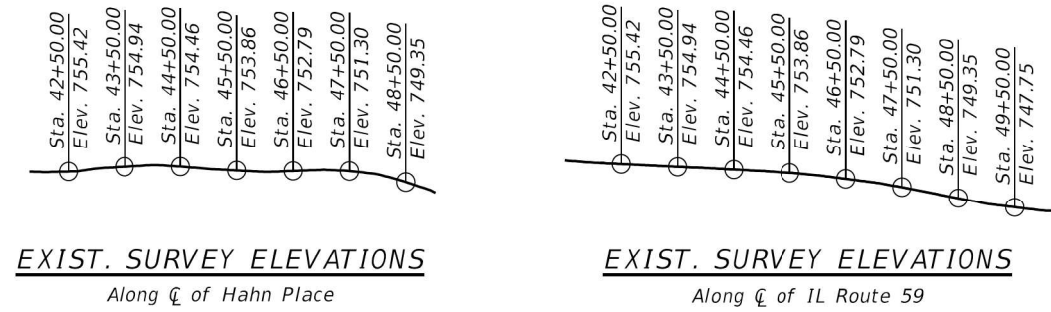
**DESIGN SPECIFICATIONS**

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

**DESIGN STRESSES**

**FIELD UNITS**

f'c = 3,500 psi  
 f'c = 4,500 psi (Precast Lagging)  
 fy = 60,000 psi (Reinforcement)  
 fy = 50,000 psi (M270 Grade 50)



**ELEVATION**  
 (Looking at Front Face)  
 (Piles not shown for clarity)

**LEGEND**

- ◆ Soil Boring Location
- A — Existing Aerial
- FO — Existing Fiber Optic
- G — Existing Gasline
- S — Existing Storm Sewer
- W — Existing Water Main
- X — Proposed Fence
- > Proposed Pipe Underdrain
- ⊕ Drilled Soldier Pile (typ.)

**NOTES:**

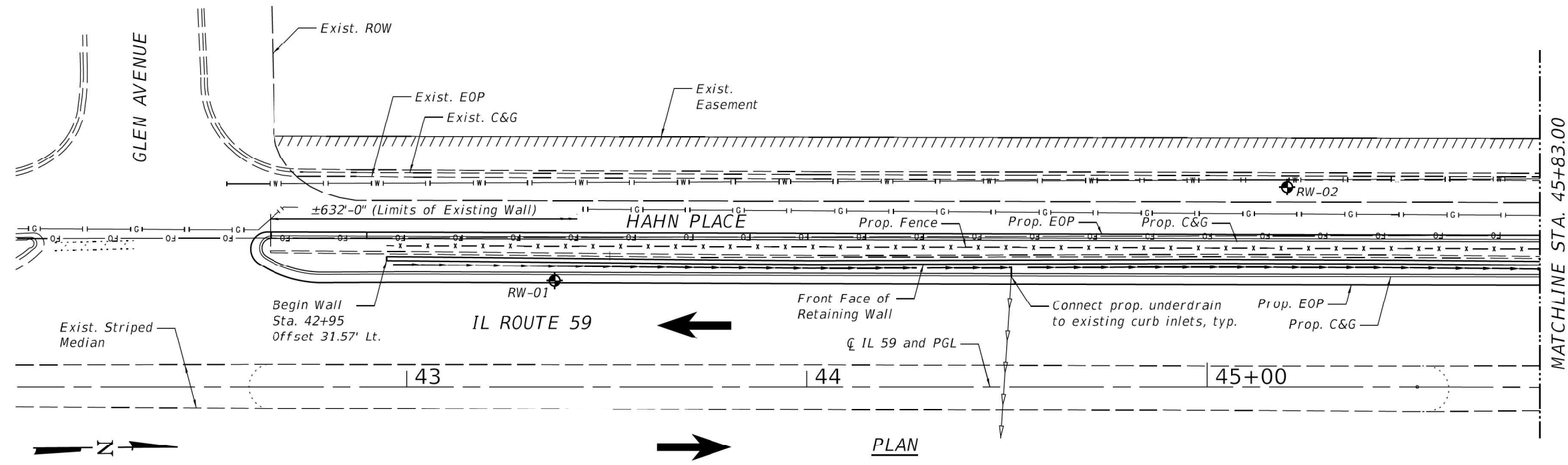
1. Stations are along C of IL 59.
2. See Sheets 4 and 5 of 8 for offsets.
3. The contractor shall verify the location of the existing watermain in the field. The contractor shall protect the existing watermain from damage during construction.



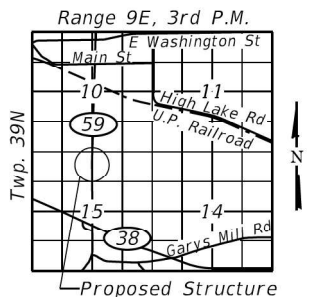
SIGNED: *Jiahong Zuo*

Date: 4/9/2021

License Expires: 11/30/2022



**PLAN**



**LOCATION SKETCH**

**GENERAL PLAN & ELEVATION**  
**IL ROUTE 59**  
**FAP ROUTE 338**  
**SEC. 2019-048-I**  
**DUPAGE COUNTY**  
**CONTRACT NO. 62J25**  
**STA. 42+95.00 TO STA. 48+71.00**

FILE NAME = Z:\2018\B0224\_P16187\cadd\Structural\034\62J25-001-DPE.dgn



**WBK ENGINEERING LLC**  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = jmueller  
 PLOT SCALE = 1:32  
 PLOT DATE = 4/9/2021

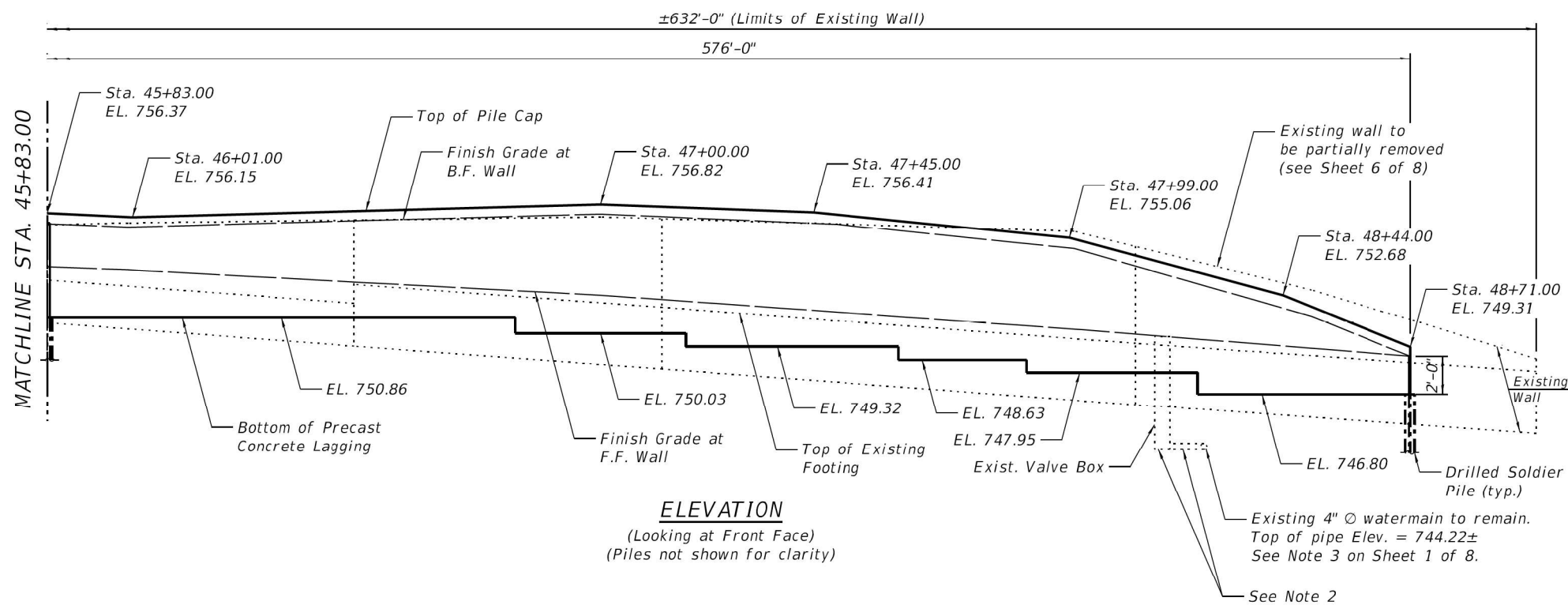
DESIGNED - CPT	REVISED -
CHECKED - JZ	REVISED -
DRAWN - CPT	REVISED -
CHECKED - JZ	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION**  
**IL 59 RETAINING WALL REPLACEMENT**

SHEET NO. 1 OF 8 SHEETS

FAP RTE. 338	SECTION 2019-048-I	COUNTY DUPAGE	TOTAL SHEETS 37	SHEET NO. 20
CONTRACT NO. 62J25			ILLINOIS FED. AID PROJECT	



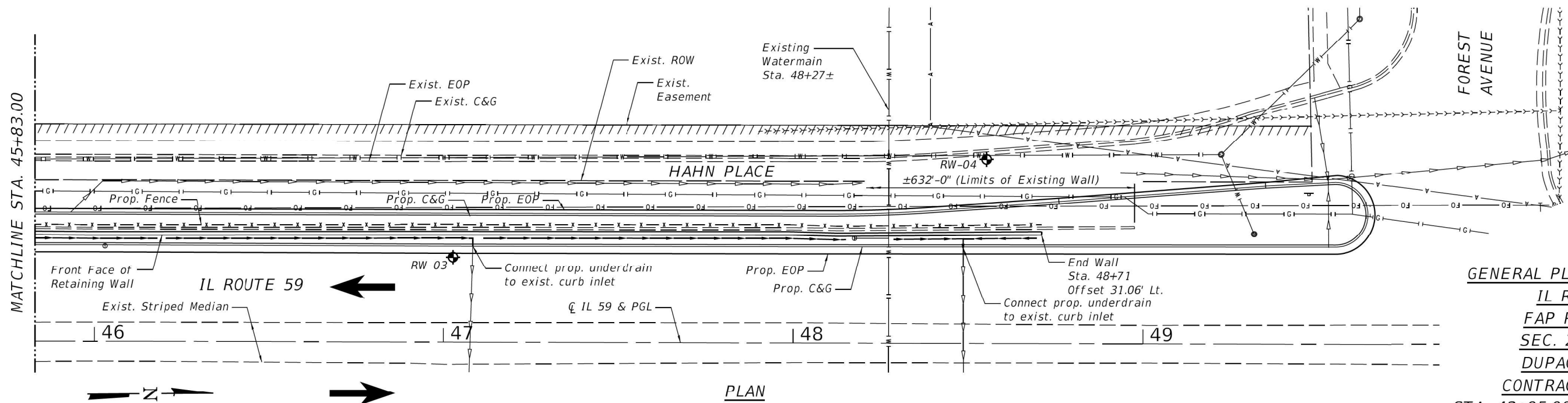
**ELEVATION**  
(Looking at Front Face)  
(Piles not shown for clarity)

**LEGEND**

- ◆ Soil Boring Location
- A — Existing Aerial
- FO — Existing Fiber Optic
- G — Existing Gasline
- S — Existing Storm Sewer
- W — Existing Water Main
- X — Proposed Fence
- > Proposed Pipe Underdrain

**NOTES:**

1. See Sheet 1 of 8 for notes.
2. Exist. 4" Ø watermain tee and valve box to be removed. See Civil Plans and Status of Utilities for additional information.



**PLAN**

**GENERAL PLAN & ELEVATION**

**IL ROUTE 59**  
**FAP ROUTE 338**  
**SEC. 2019-048-I**  
**DUPAGE COUNTY**  
**CONTRACT NO. 62J25**  
**STA. 42+95.00 TO STA. 48+71.00**

FILE NAME = Z:\2018\180224\_P16187\Cadd\Structural\180224-002-GPE.dgn



**WBK ENGINEERING LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = jmuelter  
PLOT SCALE = 1:32  
PLOT DATE = 4/12/2021

DESIGNED - CPT	REVISED -
CHECKED - JZ	REVISED -
DRAWN - CPT	REVISED -
CHECKED - JZ	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION**  
**IL 59 RETAINING WALL REPLACEMENT**

SHEET NO. 2 OF 8 SHEETS

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-048-I	DUPAGE	37	21
			CONTRACT NO. 62J25	
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. All exposed concrete edges shall be chamfered 3/4" except as noted.
4. Steel piles shall conform to the requirements of AASHTO M 270 Grade 50, and shall be galvanized. Exposed pile faces shall be painted and color shall be coordinated with the City of West Chicago. Cost of galvanizing and painting structural steel shall be included in the unit cost per Foot for Furnishing Soldier Piles (HP Section).
5. No field welding is permitted except as specified in the contract documents.
6. Refer to Structure Geotechnical Report for site preparation and backfilling.
7. Dimensions shown have been taken from survey data. The Contractor must verify all dimensions in the field. Variations in the field dimensions shall not warrant additional compensation for Concrete Removal.
8. The Contractor shall field verify exact locations of all existing utilities prior to construction and take precautions not to damage existing utilities during construction or other underground work. Any such damage shall be repaired by the Contractor at no additional cost.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Porous Granular Backfill	Cu. Yd.	94.8
Concrete Removal	Cu. Yd.	99.2
Concrete Structures	Cu. Yd.	32.7
Reinforcement Bars, Epoxy Coated	Pound	3,640
Furnishing Soldier Piles (HP Section)	Foot	1,360
Drilling and Setting Soldier Piles (in Soil)	Cu. Ft.	4,271
Precast Concrete Lagging	Sq. Ft.	2,499
Geocomposite Wall Drain	Sq. Yd.	303
Pipe Underdrains for Structures 4"	Foot	576
* Anti-Graffiti Coating	Sq. Ft.	4,692
* Staining Concrete Structures	Sq. Ft.	4,692
* Form Liner Textured Surface	Sq. Ft.	2,328

\*Optional item, upon approval by IDOT and to be 100% paid by the City of West Chicago

FILE NAME = Z:\2018\180224\_P16187\Cadd\Structural\Drawn\MO\_34\62J25-003-General\_Details.dgn

**WBK engineering**  
 WBKENGINEERING LLC  
 116 WEST MAIN STREET, SUITE 201  
 ST. CHARLES, ILLINOIS 60174  
 (630) 443-7755

USER NAME = jmueller	DESIGNED - CPT	REVISED -
	CHECKED - JZ	REVISED -
PLOT SCALE = 1:4	DRAWN - CPT	REVISED -
PLOT DATE = 4/12/2021	CHECKED - JZ	REVISED -

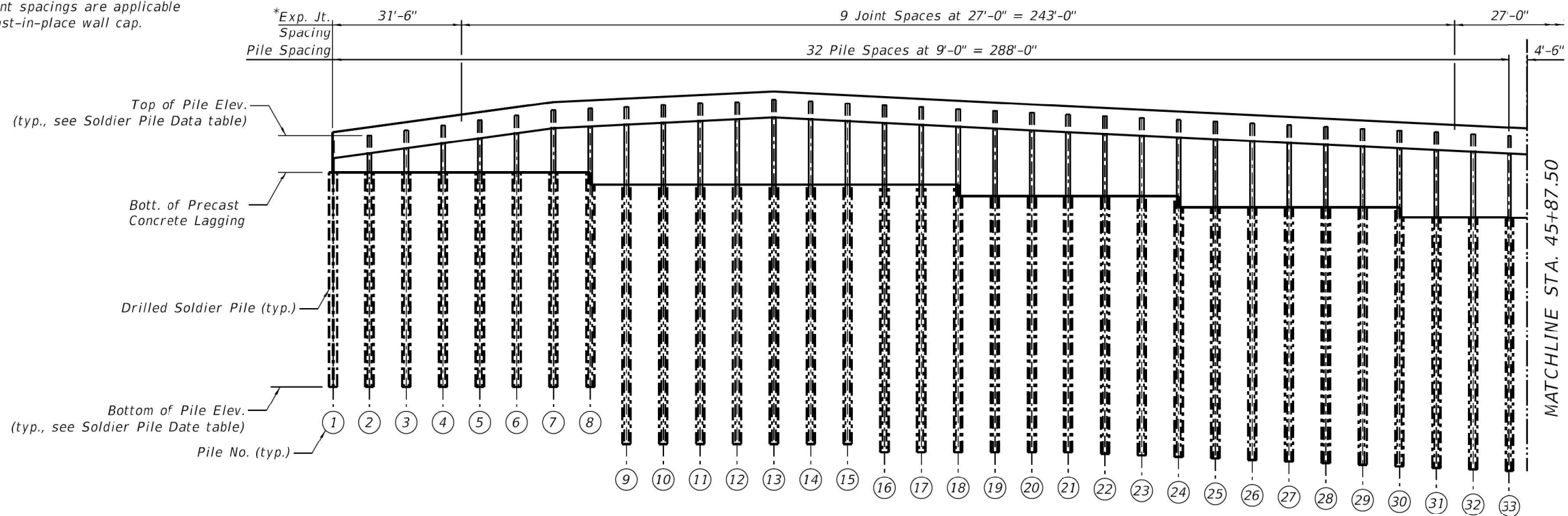
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA  
 IL 59 RETAINING WALL REPLACEMENT**

SHEET NO. 3 OF 8 SHEETS

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-048-I	DUPAGE	37	22
CONTRACT NO.62J25			ILLINOIS FED. AID PROJECT	

\* Expansion joint spacings are applicable only to the cast-in-place wall cap.



**PARTIAL ELEVATION**  
Station 42+95.00 to Station 45+87.50  
(Looking at Front Face)

**NOTES:**

1. Stations are along  $\varnothing$  IL 59. Offsets are measured from  $\varnothing$  IL 59 to the front face of proposed wall.
2. In order to minimize excessive deflection and/or stresses in the soldier piles, compaction equipment used within 4 ft of the back face of the precast lagging shall be limited to hand-operated mechanical tampers, rollers, or vibratory systems.

**SOLDIER PILE DATA I**

Pile No.	Station	Offset (Ft.)	Pile Size	Top of Pile Elev.	Bott. of Pile Elev.	Total Pile Length (Ft.)	Pre-drilled Hole Dia. (Ft.)	Pile No.	Station	Offset (Ft.)	Pile Size	Top of Pile Elev.	Bott. of Pile Elev.	Total Pile Length (Ft.)	Pre-drilled Hole Dia. (Ft.)
1	42+95.00	31.57	MC12x45	755.58	739.92	15.66	2.00	18	44+48.00	30.72	HP12x84	757.50	735.51	21.99	2.00
2	43+04.00	31.49	HP12x84	755.89	739.92	15.97	2.00	19	44+57.00	30.74	HP12x84	757.39	735.51	21.88	2.00
3	43+13.00	31.40	HP12x84	756.01	739.92	16.09	2.00	20	44+66.00	30.77	HP12x84	757.28	735.51	21.77	2.00
4	43+22.00	31.30	HP12x84	756.50	739.92	16.58	2.00	21	44+75.00	30.79	HP12x84	757.17	735.51	21.66	2.00
5	43+31.00	31.21	HP12x84	757.42	739.92	17.50	2.00	22	44+84.00	30.82	HP12x84	757.06	735.51	21.55	2.00
6	43+40.00	31.11	HP12x84	757.11	739.92	17.19	2.00	23	44+93.00	30.85	HP12x84	756.95	735.51	21.44	2.00
7	43+49.00	31.02	HP12x84	757.42	739.92	17.50	2.00	24	45+02.00	30.87	HP12x84	756.84	735.51	21.33	2.00
8	43+58.00	30.92	HP12x84	757.53	739.92	17.61	2.00	25	45+11.00	30.84	HP12x84	756.73	735.51	21.22	2.00
9	43+67.00	30.83	HP12x84	757.63	736.86	20.77	2.00	26	45+20.00	30.81	HP12x84	756.63	735.51	21.12	2.00
10	43+76.00	30.75	HP12x84	757.74	736.86	20.88	2.00	27	45+29.00	30.78	HP12x84	756.52	735.51	21.01	2.00
11	43+85.00	30.69	HP12x84	757.85	736.86	20.99	2.00	28	45+38.00	30.74	HP12x84	756.41	735.51	20.90	2.00
12	43+94.00	30.63	HP12x84	757.96	736.86	21.10	2.00	29	45+47.00	30.71	HP12x84	756.30	735.51	20.79	2.00
13	44+03.00	30.58	HP12x84	758.07	736.86	21.21	2.00	30	45+56.00	30.64	HP12x84	756.19	734.86	21.33	2.00
14	44+12.00	30.61	HP12x84	757.95	736.86	21.09	2.00	31	45+65.00	30.59	HP12x84	756.08	734.86	21.22	2.00
15	44+21.00	30.64	HP12x84	757.84	736.86	20.98	2.00	32	45+74.00	30.53	HP12x84	755.98	734.86	21.12	2.00
16	44+30.00	30.66	HP12x84	757.73	736.86	20.87	2.00	33	45+83.00	30.47	HP12x84	755.87	734.86	21.01	2.00
17	44+39.00	30.69	HP12x84	757.62	736.86	20.76	2.00								

FILE NAME = Z:\2018\B0224\_PTE107\cadd\Structural\Dgn\MO\_34\52225-004-Soldier\_Pile\_Layout\_Ldgn



WBK ENGINEERING LLC  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = jmueller  
DESIGNED - CPT  
CHECKED - JZ  
PLOT SCALE = 1:32  
DRAWN - CPT  
PLOT DATE = 4/9/2021  
CHECKED - JZ

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

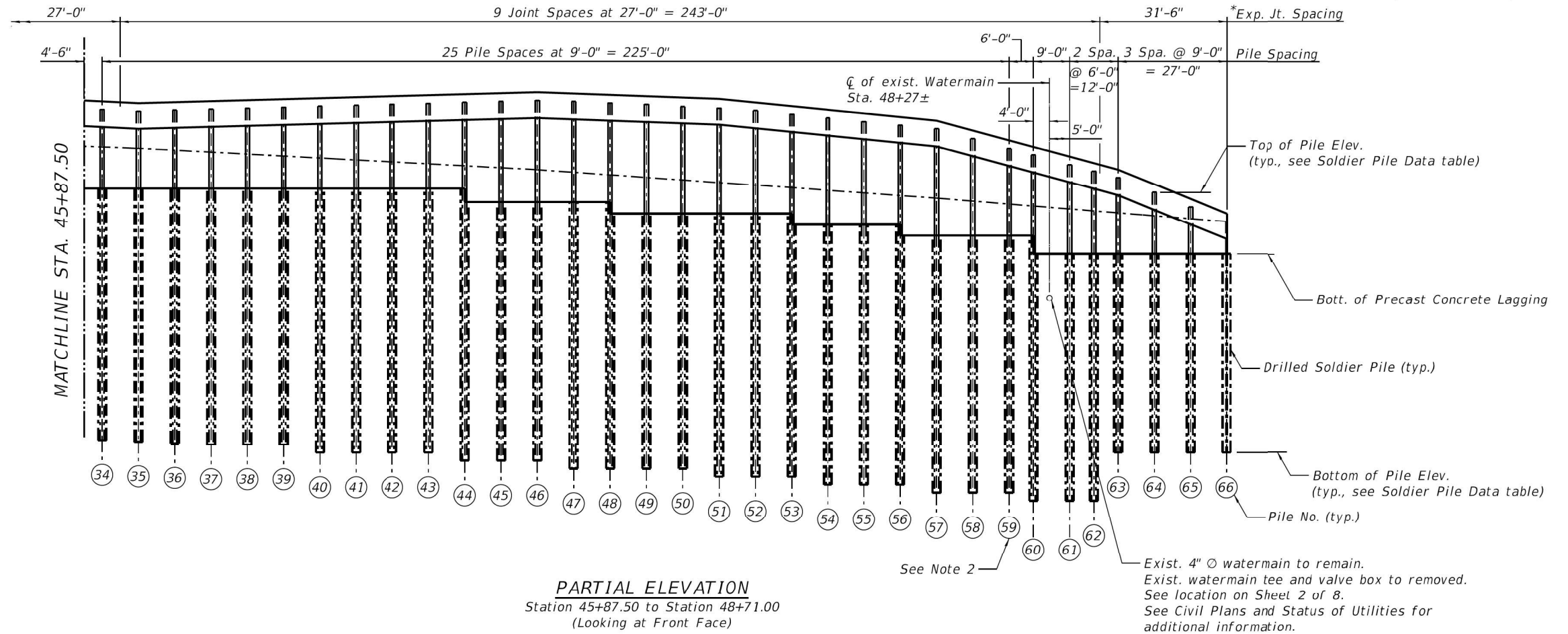
SOLDIER PILE LAYOUT I  
IL 59 RETAINING WALL REPLACEMENT

SHEET NO. 4 OF 8 SHEETS

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-048-I		37	23
CONTRACT NO. 62J25				
ILLINOIS FED. AID PROJECT				



\* Expansion joint spacings are applicable only to the cast-in-place wall cap.



**PARTIAL ELEVATION**  
Station 45+87.50 to Station 48+71.00  
(Looking at Front Face)

See Note 2  
Exist. 4" Ø watermain to remain.  
Exist. watermain tee and valve box to be removed.  
See location on Sheet 2 of 8.  
See Civil Plans and Status of Utilities for additional information.

- NOTES:**
1. Work this sheet with Sheet 4 of 8.
  2. The existing watermain valve box falls within the limits of the pre-drilled hole at Soldier Pile No. 59. See Note 2 on Sheet 2 of 8.

**SOLDIER PILE DATA II**

Pile No.	Station	Offset (Ft.)	Pile Size	Top of Pile Elev.	Bott. of Pile Elev.	Total Pile Length (Ft.)	Pre-drilled Hole Dia. (Ft.)	Pile No.	Station	Offset (Ft.)	Pile Size	Top of Pile Elev.	Bott. of Pile Elev.	Total Pile Length (Ft.)	Pre-drilled Hole Dia. (Ft.)
34	45+92.00	30.41	HP12x84	755.76	734.86	20.90	2.00	51	47+45.00	30.74	HP12x84	755.91	733.32	22.59	2.00
35	46+01.00	30.37	HP12x84	755.65	734.86	20.79	2.00	52	47+54.00	30.75	HP12x84	755.68	733.32	22.36	2.00
36	46+10.00	30.40	HP12x84	755.71	734.86	20.85	2.00	53	47+63.00	30.77	HP12x84	755.46	733.32	22.14	2.00
37	46+19.00	30.42	HP12x84	755.77	734.86	20.91	2.00	54	47+72.00	30.78	HP12x84	755.24	733.32	21.92	2.00
38	46+28.00	30.45	HP12x84	755.83	734.86	20.97	2.00	55	47+81.00	30.80	HP12x84	754.99	733.32	21.67	2.00
39	46+37.00	30.48	HP12x84	755.90	734.86	21.04	2.00	56	47+90.00	30.81	HP12x84	754.78	731.12	23.66	2.00
40	46+46.00	30.50	HP12x84	755.96	734.86	21.10	2.00	57	47+99.00	30.83	HP12x84	754.56	731.12	23.44	2.00
41	46+55.00	30.53	HP12x84	756.02	734.86	21.16	2.00	58	48+08.00	30.61	HP12x84	753.95	731.12	22.83	2.00
42	46+64.00	30.56	HP12x84	756.08	734.86	21.22	2.00	59	48+17.00	30.54	HP12x84	754.24	731.12	23.12	2.00
43	46+73.00	30.58	HP12x84	756.14	734.86	21.28	2.00	60	48+23.00	30.60	HP12x84	752.94	731.12	21.82	2.00
44	46+82.00	30.61	HP12x84	756.20	733.32	22.88	2.00	61	48+32.00	30.68	HP12x84	752.44	731.12	21.32	2.00
45	46+91.00	30.64	HP12x84	756.26	733.32	22.94	2.00	62	48+38.00	30.74	HP12x84	752.03	735.10	16.93	2.00
46	47+00.00	30.66	HP12x84	756.32	733.32	23.00	2.00	63	48+44.00	30.80	HP12x84	751.63	735.10	16.53	2.00
47	47+09.00	30.68	HP12x84	756.24	733.32	22.92	2.00	64	48+53.00	30.88	HP12x84	750.62	735.10	15.52	2.00
48	47+18.00	30.69	HP12x84	756.15	733.32	22.83	2.00	65	48+62.00	30.97	HP12x84	749.72	735.10	14.62	2.00
49	47+27.00	30.71	HP12x84	756.07	733.32	22.75	2.00	66	48+71.00	31.06	MC12x45	748.81	735.10	13.71	2.00
50	47+36.00	30.72	HP12x84	755.99	733.32	22.67	2.00								

FILE NAME = Z:\2018\B0224\_PTE107\cadd\Structural\034\225-005-Soldier\_Pile\_Layout\_IL.dgn

**WBK engineering**  
WBKENGINEERING LLC  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = jmueller	DESIGNED - CPT	REVISED -
PLOT SCALE = 1:32	CHECKED - JZ	REVISED -
PLOT DATE = 4/12/2021	DRAWN - CPT	REVISED -
	CHECKED - JZ	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SOLDIER PILE LAYOUT II**  
**IL 59 RETAINING WALL REPLACEMENT**  
SHEET NO. 5 OF 8 SHEETS

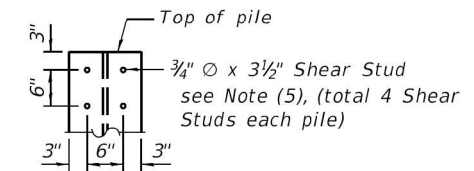
FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-048-I		37	24
CONTRACT NO. 62J25			ILLINOIS FED. AID PROJECT	

**TOTAL BILL OF MATERIAL**

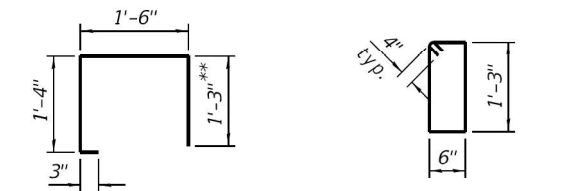
Bar	No.	Size	Length	Shape
h(E)	133	#4	26'-8"	—
h <sub>1</sub> (E)	14	#4	31'-2"	—
s(E)	598	#3	4'-4"	□
Porous Granular Backfill	Cu. Yd.		94.8	
Concrete Structures	Cu. Yd.		32.7	
Reinforcement Bars, Epoxy Coated	Pound		3,640	
Precast Concrete Lagging	Sq. Ft.		2,499	
Geocomposite Wall Drain	Sq. Yd.		303	
Anti-Graffiti Coating	Sq. Ft.		4,692	
Staining Concrete Structures	Sq. Ft.		4,692	
Pipe Underdrain for Structures 4"	Foot		576	
Form Liner Textured Surface	Sq. Ft.		2,328	

**Notes:**

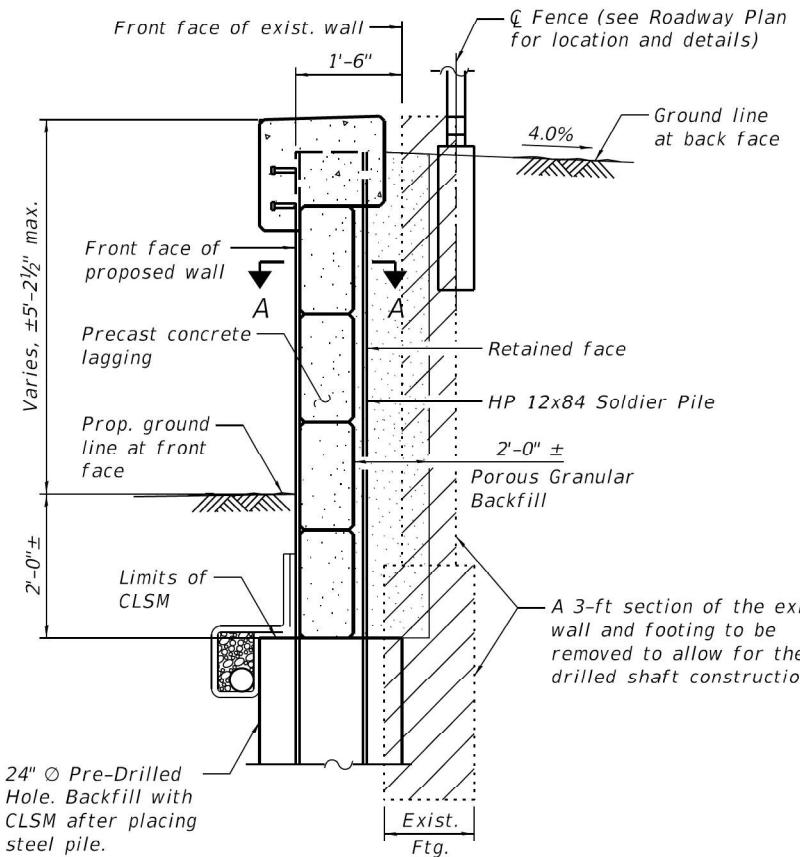
- (1) Slope top of coping down 1/2" towards the front face of wall.
- (2) Placed perpendicular to the top of coping.
- (3) Cast-in-place Level-up strip 3" min. 14" max.
- (4) Existing wall between piles shall not be removed until after the concrete lagging panels are installed.
- (5) Shear studs shall be welded to the piles prior to galvanizing. Cost included with Furnishing Soldier Piles (HP Section).
- (6) Bend h(E) and h<sub>1</sub>(E) bars in field as needed to fit cap.



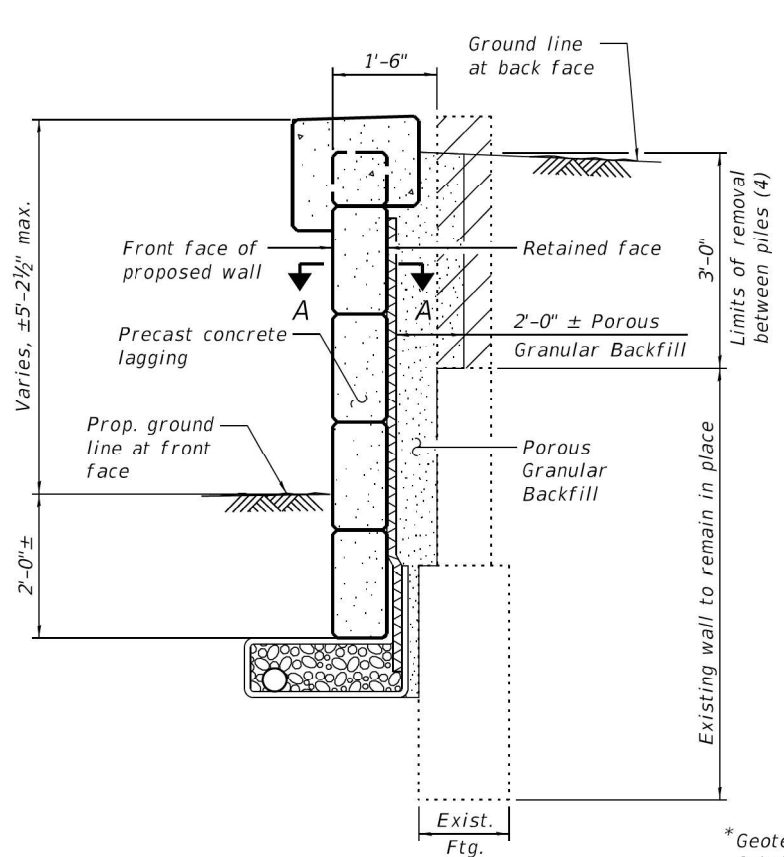
**SHEAR STUD SPACING**



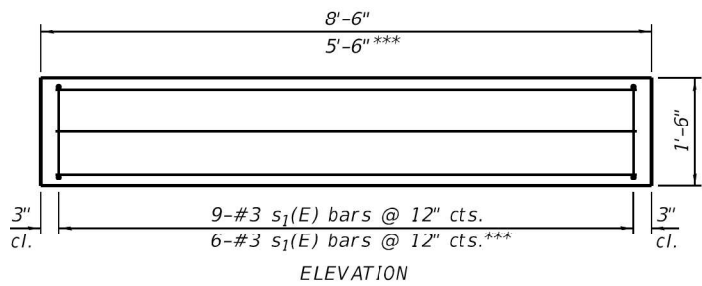
**BAR s(E)** and **BAR s<sub>1</sub>(E)** (for information only)  
\*\* Cut to fit level-up strip



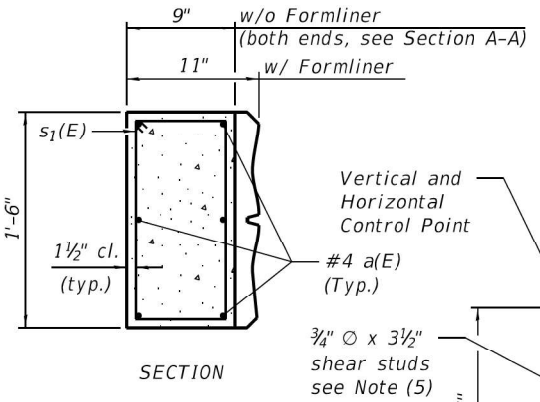
**TYPICAL SECTION THRU SOLDIER PILE WALL**  
Form liner not shown.



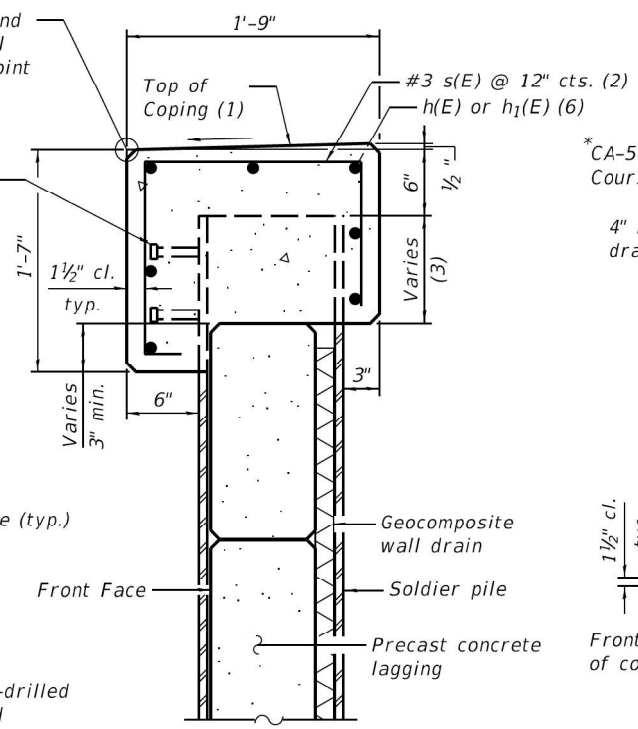
**TYPICAL SECTION BETWEEN PILES**  
Form liner not shown.



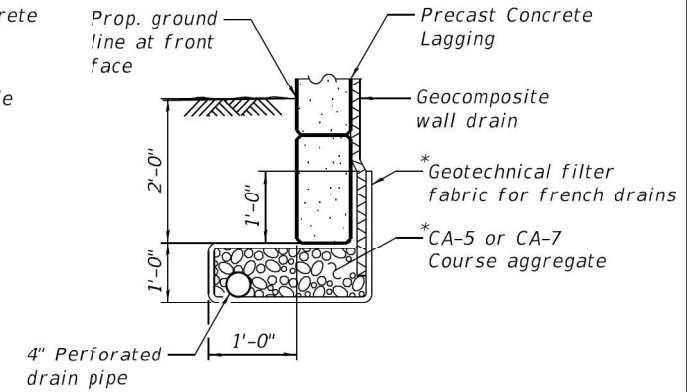
**PRECAST CONCRETE LAGGING DETAILS**



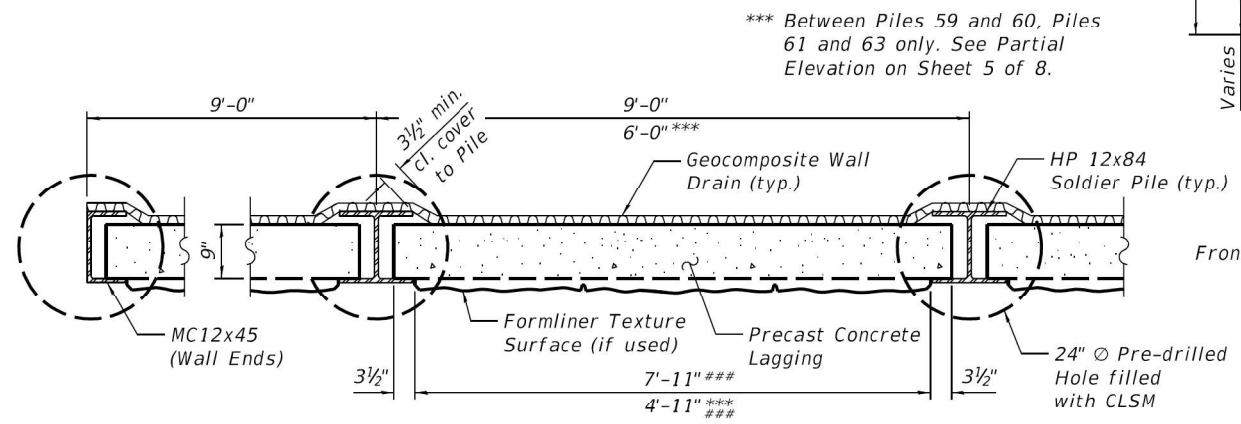
**SECTION**



**PIPE UNDERDRAIN DETAIL (at Soldier Piles)**



**PIPE UNDERDRAIN DETAIL (between Soldier Piles)**

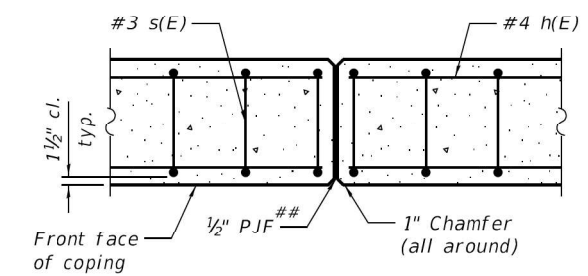


**SECTION A-A**

### Limits of Form Liner Texture Surface.



**CONCRETE CAP SECTION**  
Form liner not shown.



**CONCRETE CAP EXPANSION JOINT**  
(precast concrete lagging not shown)

## 1/2" Preformed Self-Expanding Cork Joint Filler according to Article 1051.07 of the Std. Spec. Cost included with Concrete Structures.

**NOTES:**

1. Reinforcement bars a(E) and s<sub>1</sub>(E) included in Precast Concrete Lagging.
2. Contractor may propose a precast concrete cap at no additional cost to IDOT.
3. Shear studs shall be welded to piles prior to galvanizing.
4. Form Liner pattern not shown in detail. Refer to Special Provisions.
5. Contractor shall provide temporary soil retention during construction as necessary. Cost to be included in Drilling and Setting Soldier Piles (in Soil).
6. Pipe Underdrains shall have a min. 0.5% slope and shall be connected to the existing storm sewer curb inlets as shown on Sheets 1 and 2 of 8. Cost of inlet connections shall be included in Pipe Underdrain for Structures, 4".

FILE NAME = 24-2018\180224\_PTE187\Cadd\Structural\Dgn\MO\_34\52225-006-Wall Details.dgn



**WBK ENGINEERING LLC**  
116 WEST MAIN STREET, SUITE 201  
ST. CHARLES, ILLINOIS 60174  
(630) 443-7755

USER NAME = jmueller  
DESIGNED - CPT  
CHECKED - JZ  
PLOT SCALE = 1:2,66667  
DRAWN - CPT  
PLOT DATE = 4/9/2021  
CHECKED - JZ  
REVISED -

DESIGNED - CPT  
CHECKED - JZ  
DRAWN - CPT  
CHECKED - JZ  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WALL DETAILS  
IL 59 RETAINING WALL REPLACEMENT**

SHEET NO. 6 OF 8 SHEETS

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-048-I	DUPAGE	37	25

CONTRACT NO. 62J25

ILLINOIS FED. AID PROJECT



GSI Job No. 16131-D

# SOIL BORING LOG

Page 1 of 1

Date 6/1/20

ROUTE IL-59 DESCRIPTION IDOT PTB 181-004 WO# 28, Retaining Wall Repair LOGGED BY TC

SECTION LOCATION NW 1/4, SEC. 15, TWP. T39N, RNG. R9E, 3<sup>rd</sup> PM

COUNTY DuPage DRILLING METHOD HSA/Rotary HAMMER TYPE CME Automatic

STRUCT. NO.	DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	DEPTH	BLOW	UCS	MOIST
Station	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
					Stream Bed Elev.				
					Groundwater Elev.:				
					First Encounter				
					Upon Completion				
					After Hrs.				
BORING NO. RW-01									
Station 43+37									
Offset 26.50ft Left									
Ground Surface Elev. 754.50									
16.5" ASPHALT					SAND & GRAVEL-brown-loose to very dense (A-1-a) (continued)				
	753.13	3					8		
CLAY LOAM-brown & gray-stiff (Fill)		3	1.5	31			4		5
		4	P				5		
	751.50								
SANDY CLAY LOAM-brown-stiff to very stiff		3					14		
		6	1.5	11			23		10
		5	P				21		
		-5					-25		
		9					13		
		8	2.5	18			37		12
		10	B				42		
	746.50								
CLAYEY SAND & GRAVEL-brown-dense		37					14		
		22		12			19		12
		-10					-30		
	744.00								
SAND & GRAVEL-brown-loose to very dense (A-1-a)		50/5"							
				16					
		13					18		
		9		7			14		9
		-15					-35		
		20							
		22		10					
		21							
		14					15		
		10		10			19		11
		8					17		
		-20					-40		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), GP-Geoprobe Hand Auger BBS, from 137 (Rev. 8-99)



GSI Job No. 16131-D

# SOIL BORING LOG

Page 1 of 1

Date 5/29/20

ROUTE IL-59 DESCRIPTION IDOT PTB 181-004 WO# 28, Retaining Wall Repair LOGGED BY RT

SECTION LOCATION NW 1/4, SEC. 15, TWP. T39N, RNG. R9E, 3<sup>rd</sup> PM

COUNTY DuPage DRILLING METHOD HSA/Rotary HAMMER TYPE CME Automatic

STRUCT. NO.	DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	DEPTH	BLOW	UCS	MOIST
Station	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
					Stream Bed Elev.				
					Groundwater Elev.:				
					First Encounter				
					Upon Completion				
					After Hrs.				
BORING NO. RW-02									
Station 45+20									
Offset 50.00ft Left									
Ground Surface Elev. 756.60									
8.0" ASPHALT, 4.0" CRUSHED STONE									
	755.60								
SILTY CLAY LOAM-brown & gray-very stiff to hard (A-6)		4							
		2	3.0	22					
		3	P						
	736.10								
SAND & GRAVEL-brown-dense									
				15					
				23					14
				28					
	733.60								
CLAYEY SAND & GRAVEL-brown-dense		2							
		7	2.1	21					
		7	B						
		-5					-25		
		7							
		12	5.0	16					
		12	B						
	731.10								
SAND & GRAVEL-brown-medium dense to dense									
				20					
				23					8
				23					
		5							
		7	3.4	19					
		10	B						
		-10					-30		
		7							
		10	4.5	18					
		10	P						
	743.60								
SILTY CLAY LOAM-brown-medium dense		5							
		8		22					
		8							
		-15					-35		
	741.10								
SANDY LOAM-brown-medium dense		11							
		9		19					
		6							
	738.60								
CLAYEY SAND & GRAVEL-brown-dense		18							
		18		14					
		12							
		-20					-40		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), GP-Geoprobe Hand Auger BBS, from 137 (Rev. 8-99)

FILE NAME = Z:\2018\B2024 PT6187\Cadd\Structural\Drawn\MO\_34\6225-007-Soil Boring Logs Ldgn



USER NAME = jmueller	DESIGNED - CPT	REVISED -
PLOT SCALE = 1:2,6667	CHECKED - JZ	REVISED -
PLOT DATE = 3/26/2021	DRAWN - CPT	REVISED -
	CHECKED - JZ	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG I  
IL 59 RETAINING WALL REPLACEMENT

SHEET NO. 7 OF 8 SHEETS

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-048-I	DUPAGE	37	26
CONTRACT NO. 62J25			ILLINOIS FED. AID PROJECT	



GSI Job No. 16131-D

# SOIL BORING LOG

Page 1 of 1

Date 5/27/20

ROUTE IL-59 DESCRIPTION IDOT PTB 181-004 WO# 28, Retaining Wall Repair LOGGED BY TC

SECTION LOCATION NW 1/4, SEC. 15, TWP. T39N, RNG. R9E, 3<sup>rd</sup> PM

COUNTY DuPage DRILLING METHOD HSA/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. Station	DEPTH H S	BLOW S Qu	UCS (tsf)	MOIST S T (%)	Surface Water Elev.		DEPTH H S (ft)	BLOW S Qu (/6")	UCS (tsf)	MOIST S T (%)	
					ft	ft					
BORING NO. RW-03 Station 47+03 Offset 24.30ft Left Ground Surface Elev. 751.40 ft					Groundwater Elev.:						
					First Encounter	Dry to -10.0' ft					
					Upon Completion	n/a ft					
					After	Hrs.					
16.5" ASPHALT, 13.5" CRUSHED STONE					SAND & GRAVEL-brown-medium dense to very dense (continued)						
		3						12			
		8		8				14		3	
		5						13			
748.90											
SILTY LOAM with Stone-brown & gray-very stiff (A-6) Fill											
		4						5			
		3	2.5	18				17		3	
		5	P					12			
								-25			
		2						11			
		4	2.5	16				18		10	
		12	P					19			
743.40											
SAND & GRAVEL-brown-medium dense to very dense											
		10						15			
		22		5				18		8	
		25						14			
								-30			
		15									
		22		8							
		50/5"									
		14						11			
		21		8				16		8	
		25						13			
								-35			
		15									
		16		11							
		18									
		8						18			
		23		6				18		2	
		25						17			
								-40			

Z:\PROJECTS\2016\16131-D\_EFK\NOEN\DOT\PTB 181-004\_WO# 28\16131 D BORING LOGS\16131-D\_LOG.GPJ 6/10/20

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), GP-Geoprobe Hand Auger BBS, from 137 (Rev. 8-99)



GSI Job No. 16131-D

# SOIL BORING LOG

Page 1 of 1

Date 5/29/20

ROUTE IL-59 DESCRIPTION IDOT PTB 181-004 WO# 28, Retaining Wall Repair LOGGED BY TC

SECTION LOCATION NW 1/4, SEC. 15, TWP. T39N, RNG. R9E, 3<sup>rd</sup> PM

COUNTY DuPage DRILLING METHOD HSA/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. Station	DEPTH H S	BLOW S Qu	UCS (tsf)	MOIST S T (%)	Surface Water Elev.		DEPTH H S (ft)	BLOW S Qu (/6")	UCS (tsf)	MOIST S T (%)	
					ft	ft					
BORING NO. RW-04 Station 48+55 Offset 52.70ft Left Ground Surface Elev. 751.20 ft					Groundwater Elev.:						
					First Encounter	Dry to -10.0' ft					
					Upon Completion	n/a ft					
					After	Hrs.					
6.0" ASPHALT					SAND & GRAVEL-brown-dense to very dense (A-1-a) (continued)						
		3						50/1"			
		10	2.5	22						5	
		10	P								
748.20											
CLAYEY SAND & GRAVEL-brown-medium dense											
		8						20			
		17		9				14		6	
		10						23			
								-25			
		2						18			
		4	2.5	13				30		13	
		12	P					36			
745.70											
SAND & GRAVEL-brown-dense to very dense (A-1-a)											
		10						22		8	
		45		5				21			
		50/1"						17			
								-30			
		11									
		22		4							
		15									
								-10			
		5									
		16		3							
		20									
719.20											
CLAYEY SAND & GRAVEL-brown-dense											
		19						17			
		21		4				20		14	
		15						18			
								-35			
		18									
		20		7							
		17									
714.20											
SAND & GRAVEL-brown-dense											
		17						20			
		15		14				15		8	
		22						16			
								-40			

Z:\PROJECTS\2016\16131-D\_EFK\NOEN\DOT\PTB 181-004\_WO# 28\16131 D BORING LOGS\16131-D\_LOG.GPJ 6/10/20

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206), GP-Geoprobe Hand Auger BBS, from 137 (Rev. 8-99)

FILE NAME = Z:\2018\B2024 PT6187\Cadd\Structural\Dgn\MO\_34\62225-008-Soil Boring Logs II.dgn

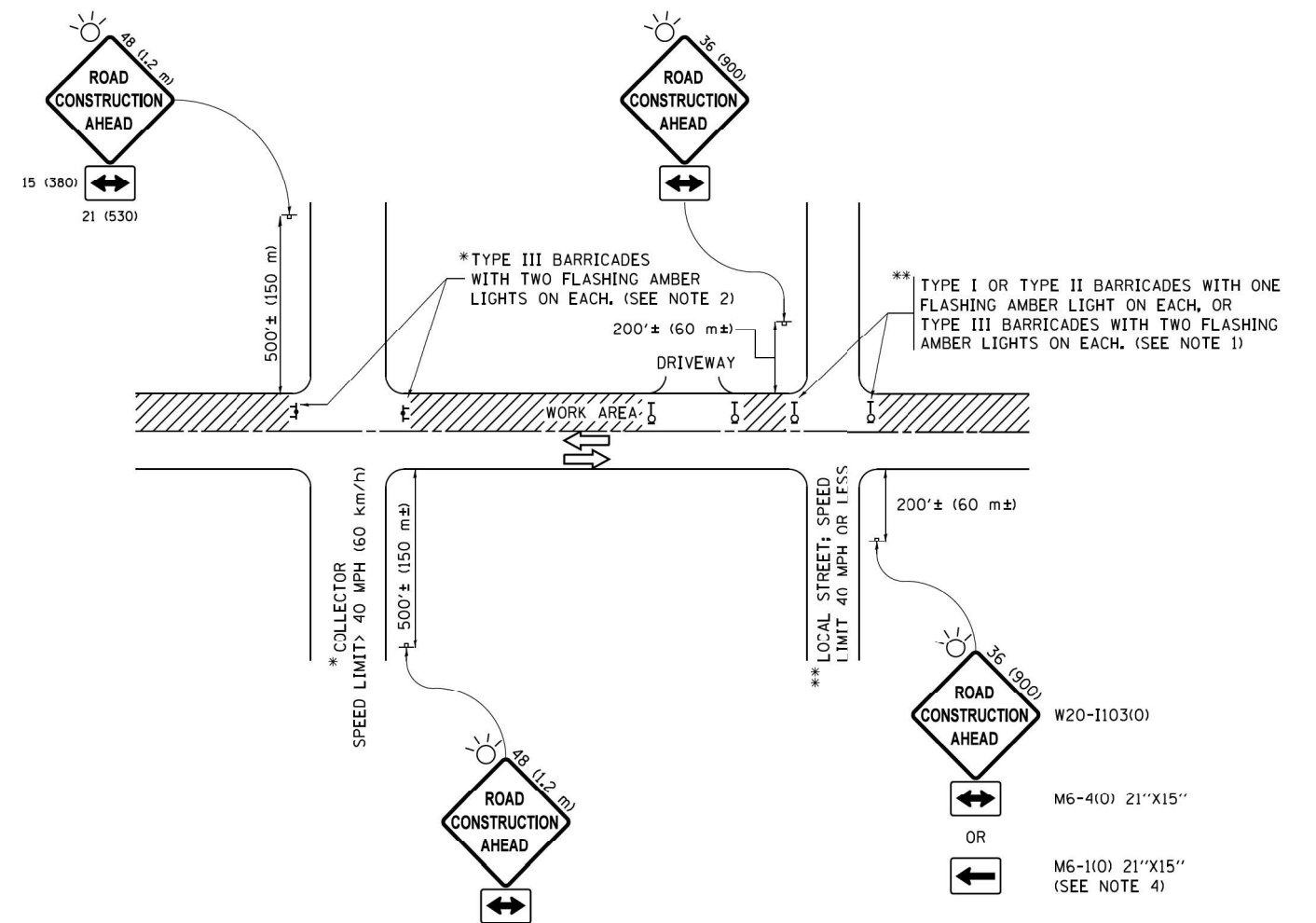


USER NAME = jmueller	DESIGNED - CPT	REVISED -
PLOT SCALE = 1:2,6667	CHECKED - JZ	REVISED -
PLOT DATE = 3/26/2021	DRAWN - CPT	REVISED -
	CHECKED - JZ	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG II  
IL 59 RETAINING WALL REPLACEMENT  
SHEET NO. 8 OF 8 SHEETS

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-048-I	DUPAGE	37	27
CONTRACT NO. 62J25			ILLINOIS FED. AID PROJECT	

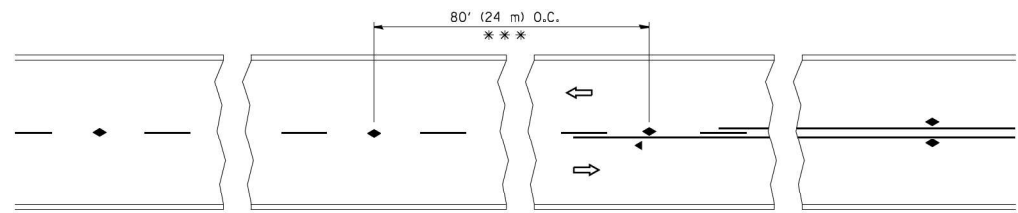


**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

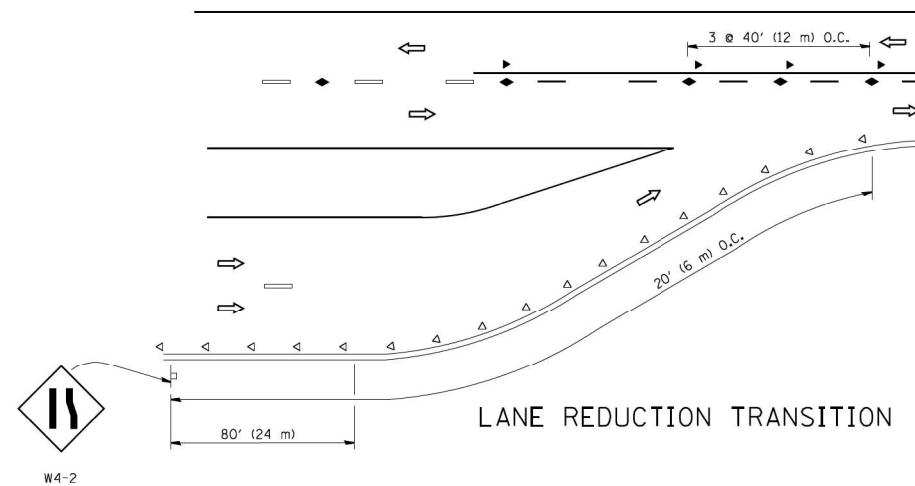
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
pw\1\084E8ID\INTEG\Illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\CADD\cadd\CADsheets\to1.dgn	DRAWN	CHECKED -	REVISED - T. RAMMACHER 01-06-00		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	338	2019-48-1	DUPAGE	37	28
Default	PLOT SCALE = 50,000' / 1" =	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13		TC-10			CONTRACT NO. 62J25		ILLINOIS FED. AID PROJECT					
	PLOT DATE = 9/15/2016		REVISED - A. SCHUETZE 09-15-16												

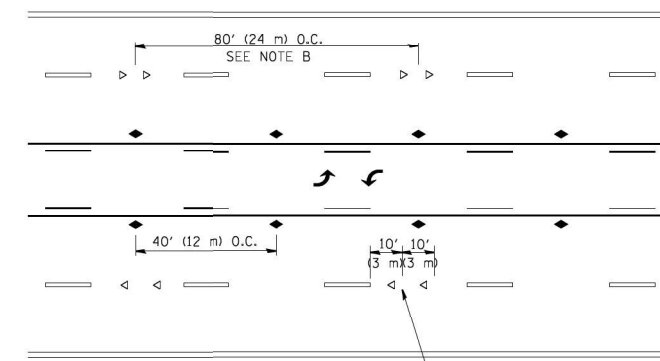


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

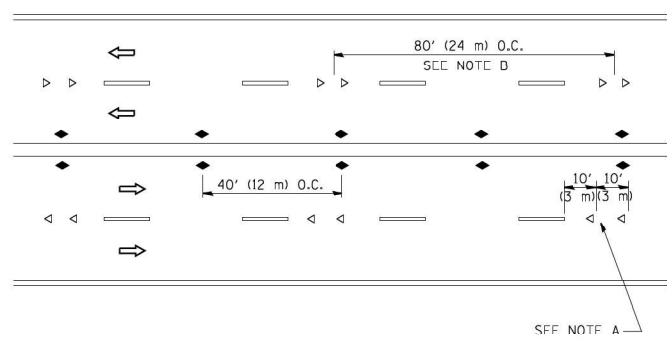
TWO-LANE/TWO-WAY



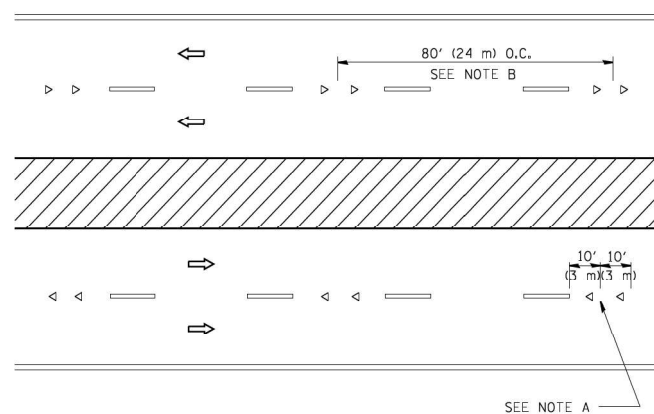
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

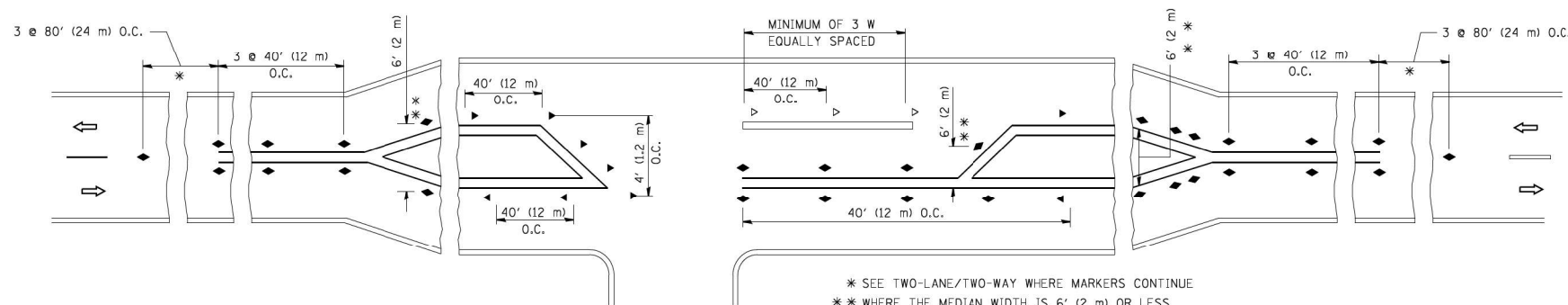
1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.



\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

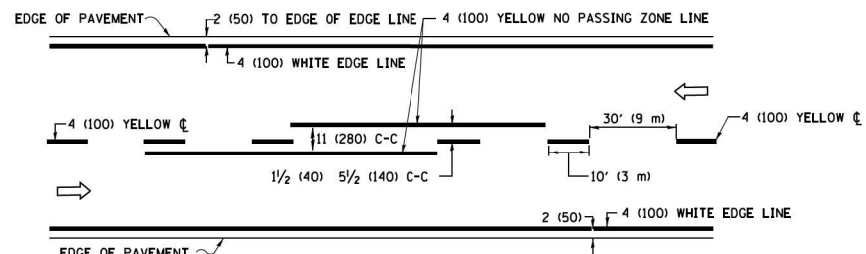
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = lrysa	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
ca:\pwork\pwork\lrysa\d0108315\ts11.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99
		CHECKED -	REVISED - T. RAMMACHER 01-06-00
		DATE -	REVISED - C. JUCIUS 09-09-09

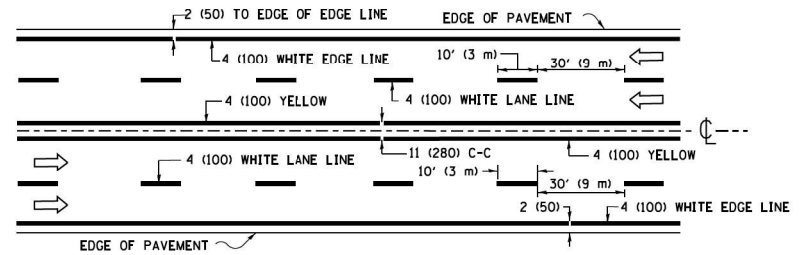
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

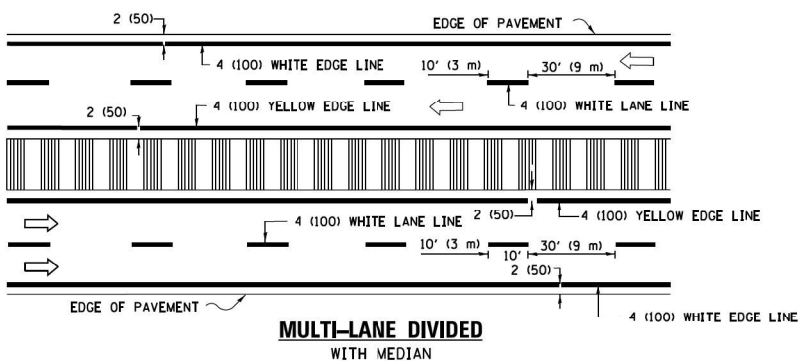
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-48-1	DUPAGE	37	29
TC-11			CONTRACT NO. 62J25	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

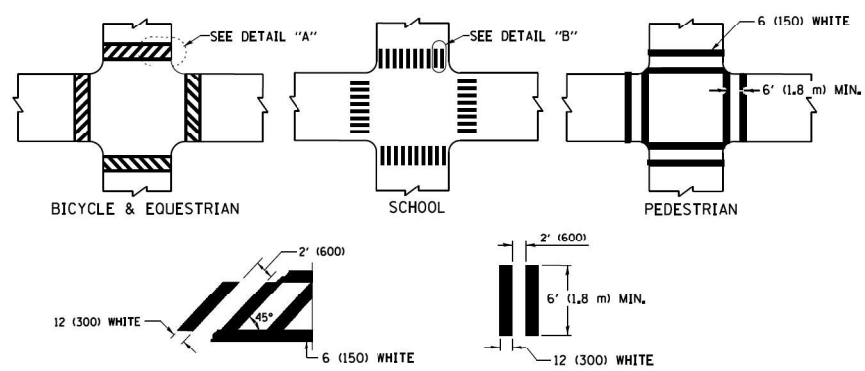


**MULTI-LANE UNDIVIDED**



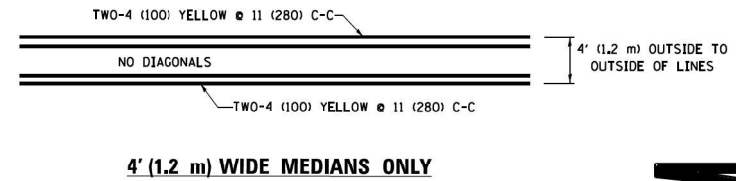
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

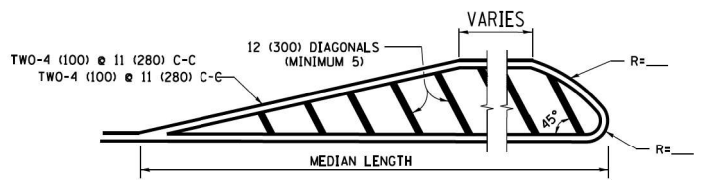


**TYPICAL CROSSWALK MARKING**

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

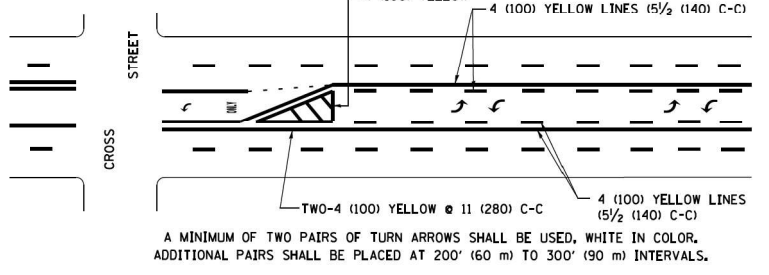


**4' (1.2 m) WIDE MEDIANS ONLY**

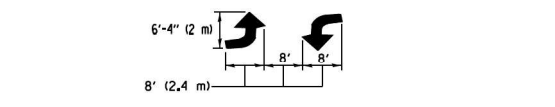


**MEDIANS OVER 4' (1.2 m) WIDE**

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

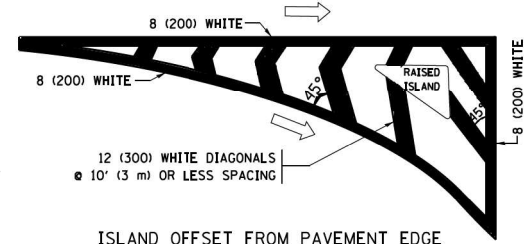


**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**

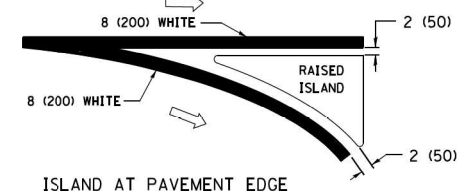


**TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING**

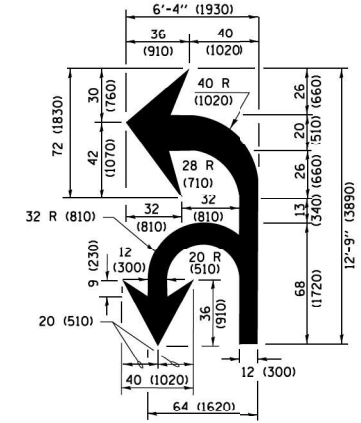
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



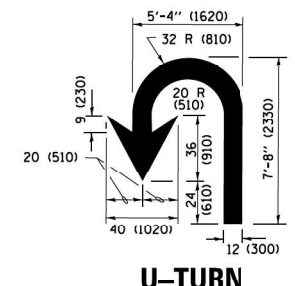
**ISLAND OFFSET FROM PAVEMENT EDGE**



**ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW WHITE WHITE	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = lrysa	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
W:\dststd\22x34\td13.dgn		DRAWN -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 50,000' / 1" =	CHECKED -	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 6/23/2017	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**


**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**


SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-48-1	DUPAGE	37	30
TC-13		CONTRACT NO. 62J25		
ILLINOIS FED. AID PROJECT				






**ROUTE MARKERS**

 FOR U.S. ROUTES  
M1-40-2424






 FOR ILLINOIS ROUTES  
M1-50-2424

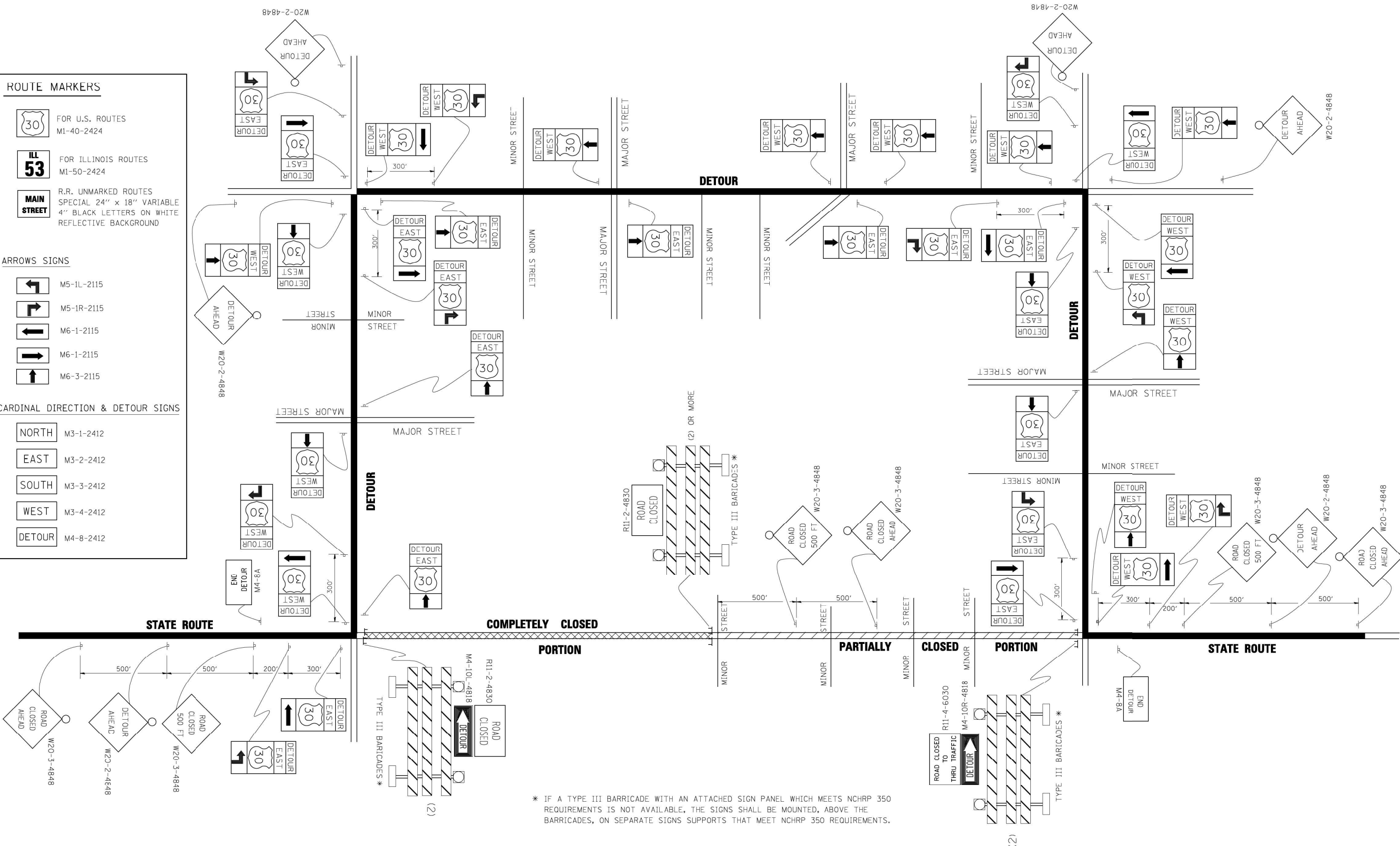
 R.R. UNMARKED ROUTES  
SPECIAL 24" x 18" VARIABLE  
4" BLACK LETTERS ON WHITE  
REFLECTIVE BACKGROUND

**ARROWS SIGNS**

-  M5-1L-2115
-  M5-1R-2115
-  M6-1-2115
-  M6-1-2115
-  M6-3-2115

**CARDINAL DIRECTION & DETOUR SIGNS**

-  NORTH M3-1-2412
-  EAST M3-2-2412
-  SOUTH M3-3-2412
-  WEST M3-4-2412
-  DETOUR M4-8-2412



\* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

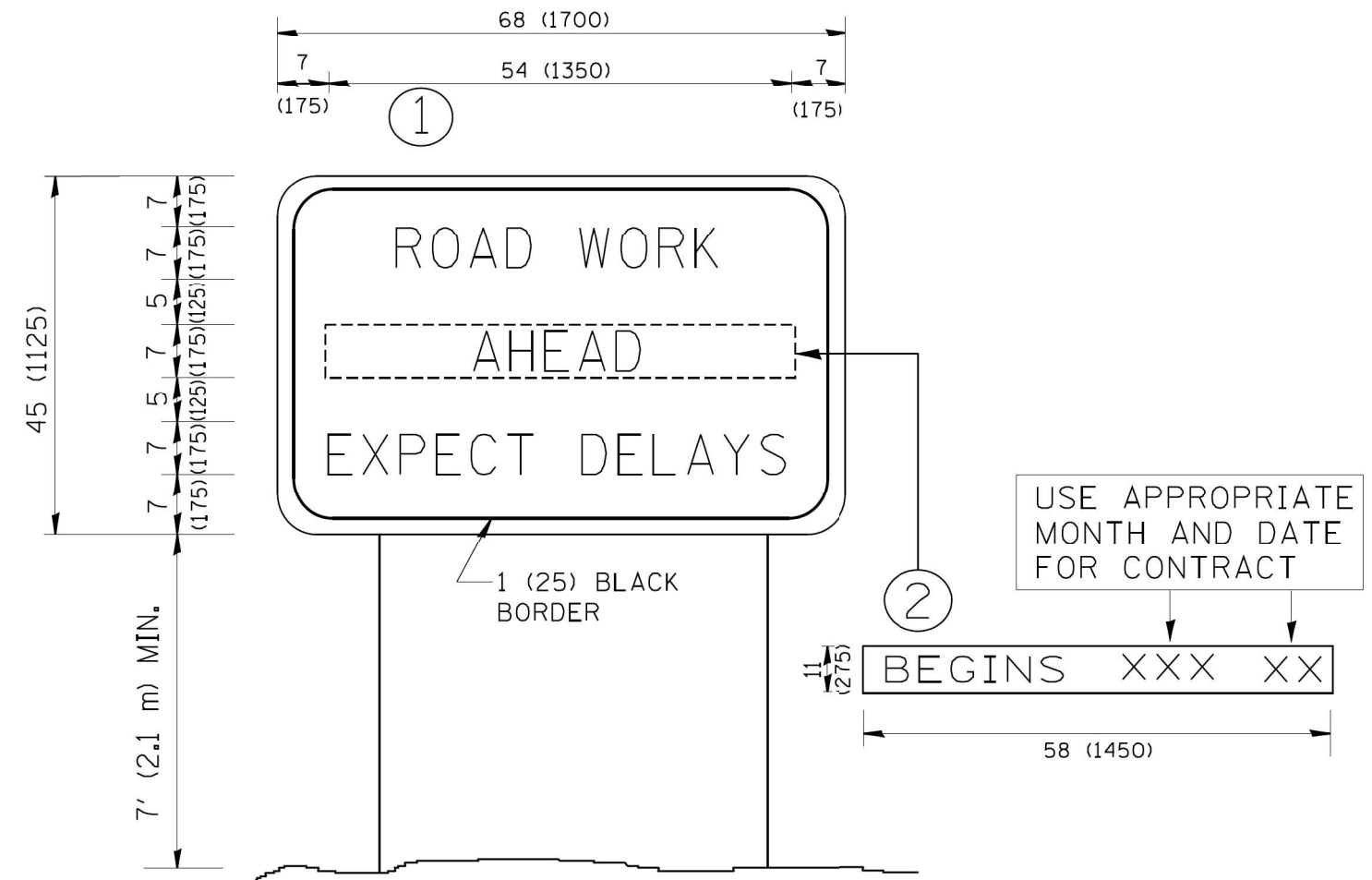
FILE NAME =	USER NAME = drivakosgn	DESIGNED -	REVISED - 10-18-02
ca:\p\work\p\WIDOT\DRIVAKOSGN\d0108315\1421.dgn		DRAWN -	REVISED - R. BORO 09-14-09
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETOUR SIGNING FOR CLOSING STATE HIGHWAYS</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2019-48-1	DUPAGE	37	31
<b>TC-21</b>		CONTRACT NO. 62J25		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

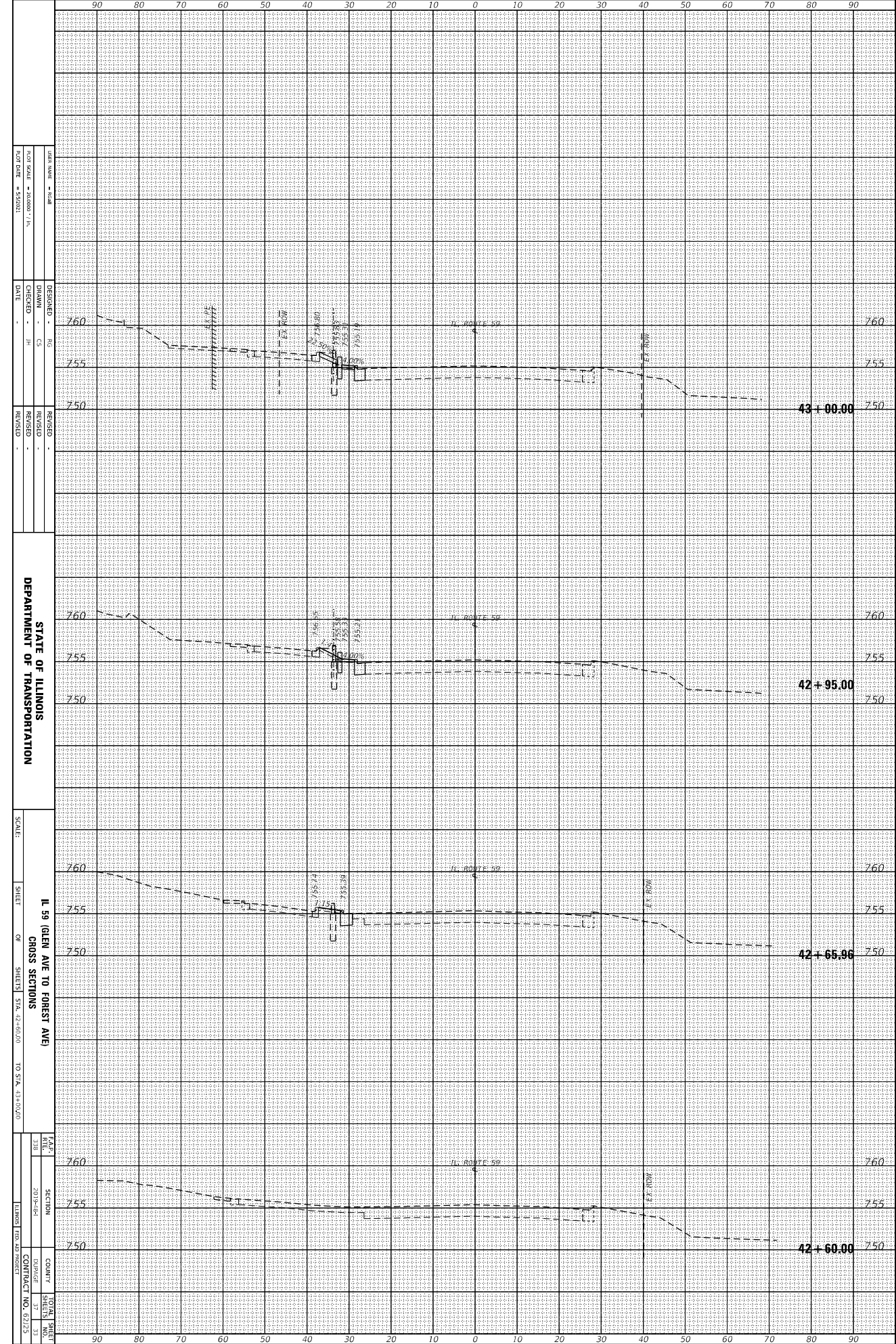
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\d\stata\22x34\tc22.dgn	USER NAME = geglanoht	DESIGNED - DRAWN -	REVISED - R. MIRS 09-15-97 REVISED - R. MIRS 12-11-97	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ARTERIAL ROAD INFORMATION SIGN</b>		F.A.P. RTE. 338	SECTION 2019-48-1	COUNTY DUPAGE	TOTAL SHEETS 37	SHEET NO. 32
PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	REVISED - C. JUCIUS 01-31-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	<b>TC-22</b>		CONTRACT NO. 62J25
PLOT DATE = 1/4/2008	DATE -				FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT						

ORIGINAL SURVEY	BY	DATE
PLOTTED TEMPLATE		
NOTE BOOK		
NO.		

FINAL SURVEY	BY	DATE
PLOTTED TEMPLATE		
NOTE BOOK		
NO.		

MODEL: Default  
 FILE NAME: Z:\8839.34 (D) D1 P18 187-086 w034 IL 59 Retaining Wall (CGM) Design\Plan\PlanSheet0162123-0k-05.dwg



DATE PLOTTED = 10/14/14  
 PLOT SCALE = 1/8" = 1'-0"  
 PLOT DATE = 10/14/14

DESIGNED BY CS  
 CHECKED BY JH  
 DATE

REVISIONS  
 NO. DESCRIPTION  
 1. REVISED

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

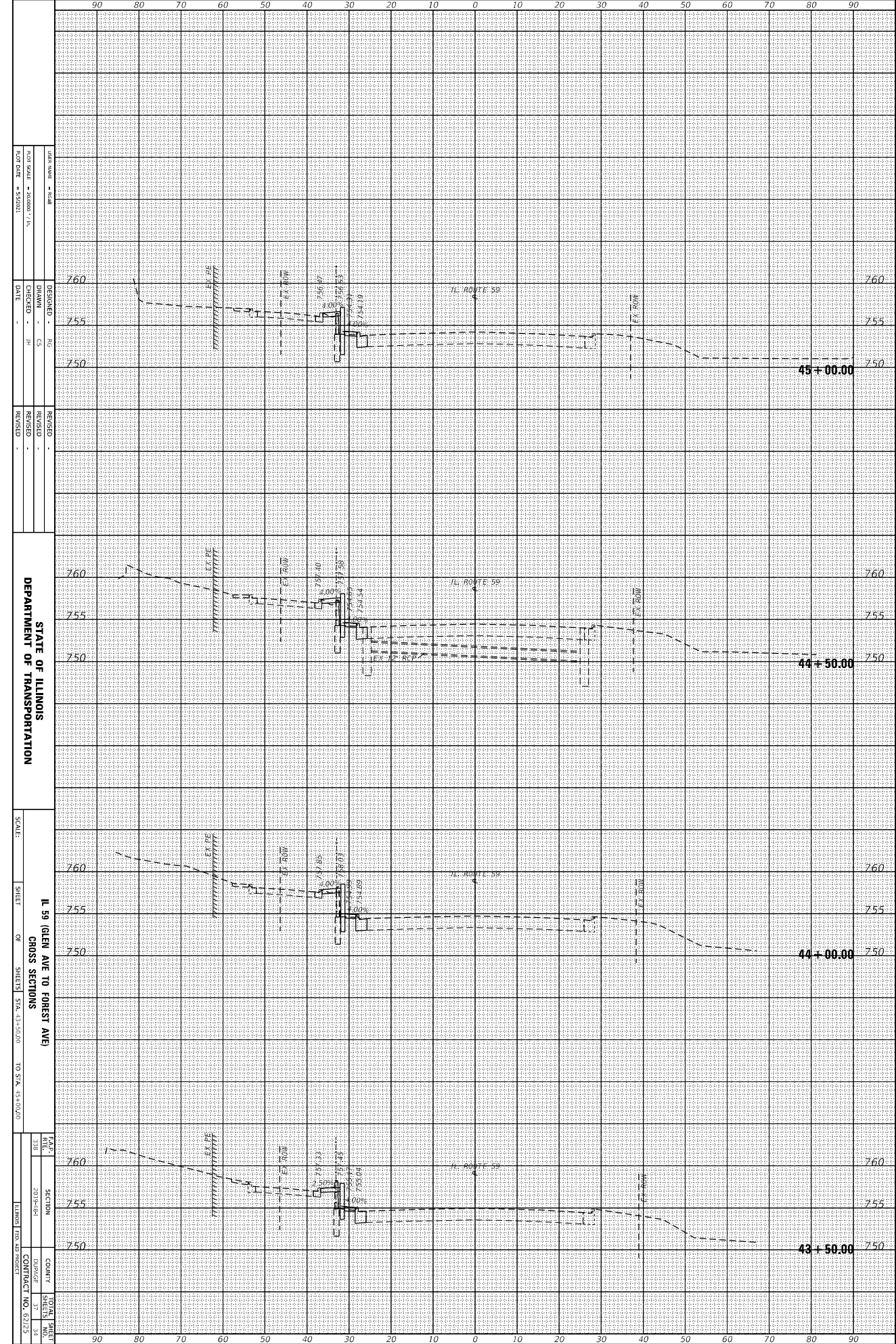
SCALE: 1/8" = 1'-0"  
 SHEET 11 OF 31  
 IL 59 (GREEN AVE TO FOREST AVE)  
 CROSS SECTIONS  
 STA. 42+00.00 TO STA. 43+00.00

DATE: 10/14/14  
 SECTION: RETAINING WALL  
 COUNTY: COOK  
 DRAWING NO.: 62123  
 CONTRACT NO.: 62123

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREA		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREA		
	AREAS CHECKED		

MODEL: Default  
 FILE NAME: Z:\8838.34 (DOT) D1.P18 187-006 w034 IL 59 retaining Wall (CGM) Design\Prblm\FiberSheet0162123-dk-rds.dgn



DATE PLOTTED	1/14/14
SCALE	1" = 40'-0"
DATE	1/14/14

DESIGNED	CS
CHECKED	JH
DATE	

REVISION	
NO.	
DATE	

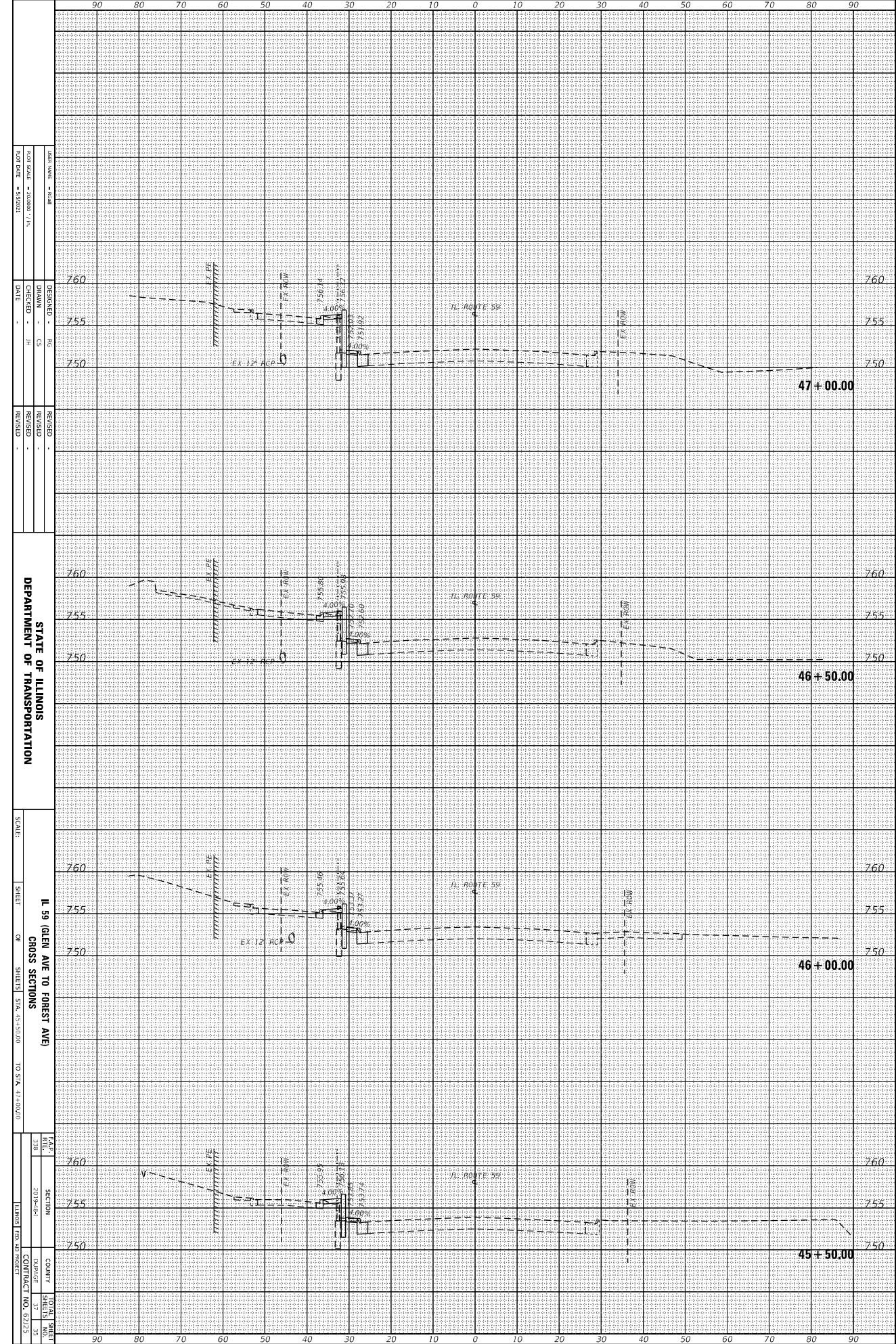
STATE OF ILLINOIS	DEPARTMENT OF TRANSPORTATION
IL 59 (GREEN AVE TO FOREST AVE)	CROSS SECTIONS
SCALE	1" = 40'-0"
SHEET	1
OR SHEETS	1
STA.	43+50.00 TO STA. 45+00.00

DATE	1/14/14
SECTION	SECTION
BY	JH
DATE	1/14/14
COUNTY	COOK
DRAWN	JH
CONTRACT NO.	67273

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREA		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREA		
	AREAS CHECKED		

MODEL: Default  
 FILE NAME: Z:\8839.34 (DOT) D1.P18 (87-086 w/034 IL 59 Retaining Wall)CGM\Design\Plan\PlanSheet\0161213-0k-crs.dgn



DATE PLOTTED	1/14/14
SCALE	1" = 40'-0"
DATE	1/14/14
DESIGNED	CS
CHECKED	JH
DATE	
REVISION	
REVISION	
REVISION	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

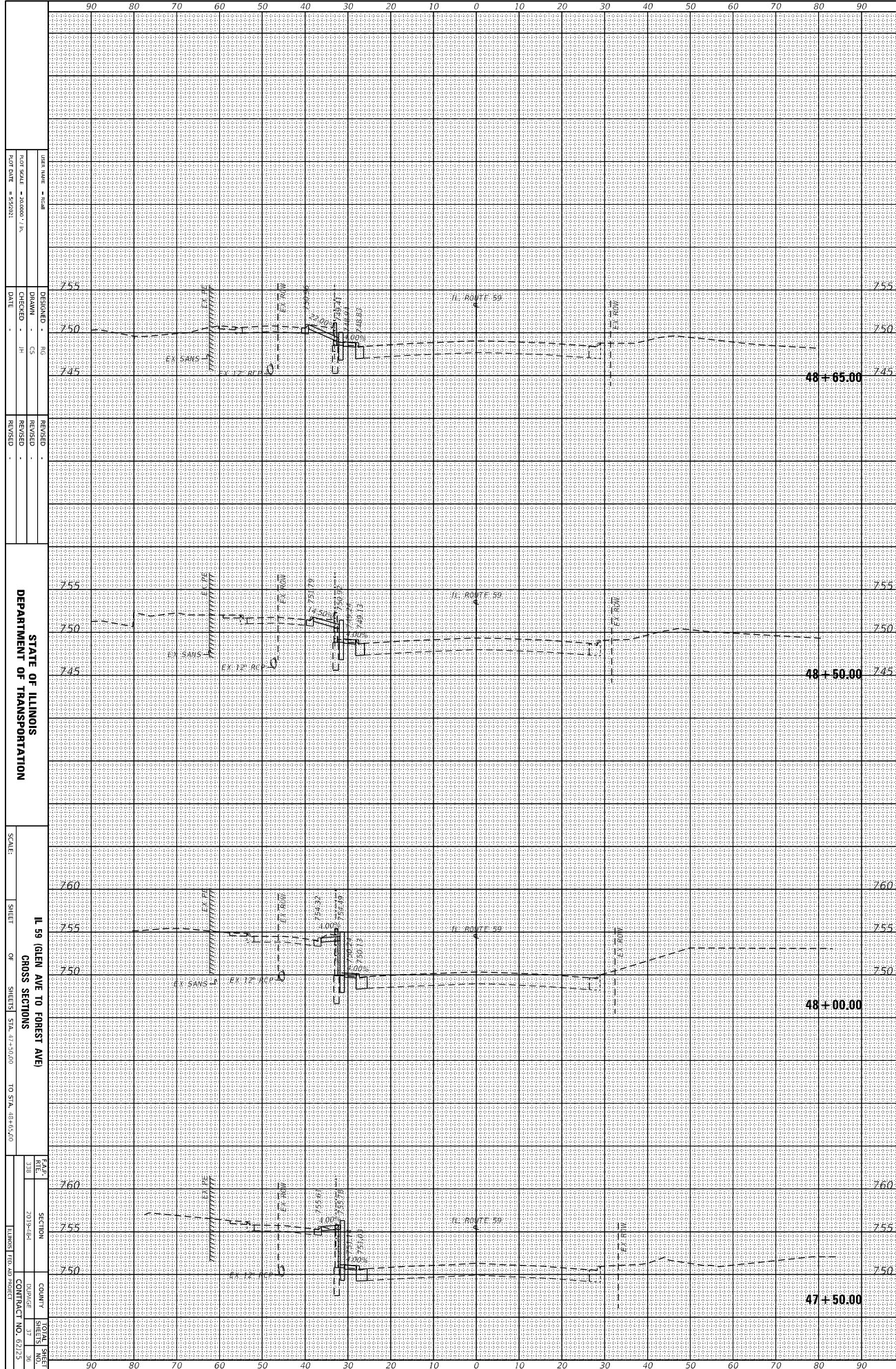
SCALE: 1" = 40'-0"  
 SHEET: 11 OF 35  
 OR SHEETS: STA. 45+50.00 TO STA. 47+00.00

DATE	2/13/14
SECTION	SECTION
COUNTY	CO. JEFFERSON
DISTRICT	37
CONTRACT NO.	62723
SHEET NO.	35

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

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

MODEL: Default  
FILE NAME: Z:\883934\DOT\DOT\PIB 187-06\W034 IL 59\realign WallCGM\Drawn\Plan\Sheet0162123-dk-csd.dwg



DATE	DESIGNED	NO.	REVISION
SCALE	DRAWN	CS	REVISION
DATE	CHECKED	JH	REVISION
			REVISION

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

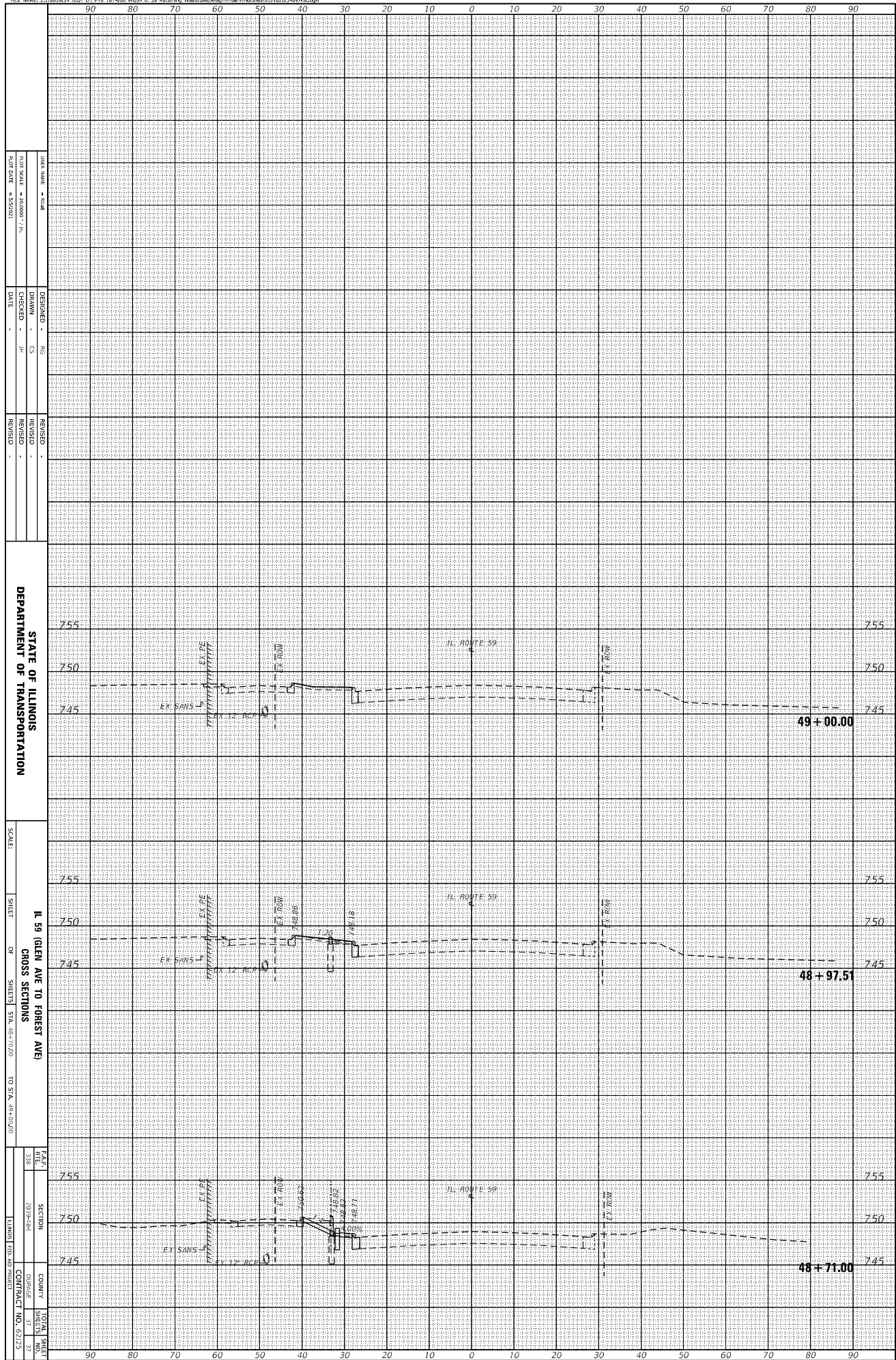
SCALE: SHEET OF SHEETS  
IL 59 (GREEN AVE TO FOREST AVE)  
CROSS SECTIONS  
STA. 47+50.00 TO STA. 48+65.00

DATE	SECTION	COUNTY	TOTAL SHEETS
2015-04			37
2015-04			38
2015-04			39
2015-04			40
2015-04			41
2015-04			42
2015-04			43
2015-04			44
2015-04			45
2015-04			46
2015-04			47
2015-04			48
2015-04			49
2015-04			50
2015-04			51
2015-04			52
2015-04			53
2015-04			54
2015-04			55
2015-04			56
2015-04			57
2015-04			58
2015-04			59
2015-04			60
2015-04			61
2015-04			62
2015-04			63
2015-04			64
2015-04			65
2015-04			66
2015-04			67
2015-04			68
2015-04			69
2015-04			70
2015-04			71
2015-04			72
2015-04			73
2015-04			74
2015-04			75
2015-04			76
2015-04			77
2015-04			78
2015-04			79
2015-04			80
2015-04			81
2015-04			82
2015-04			83
2015-04			84
2015-04			85
2015-04			86
2015-04			87
2015-04			88
2015-04			89
2015-04			90
2015-04			91
2015-04			92
2015-04			93
2015-04			94
2015-04			95
2015-04			96
2015-04			97
2015-04			98
2015-04			99
2015-04			100

ORIGINAL SURVEY	NO.	BY	DATE
PLOTTED TEMPLATE			
NOTE BOOK			

FINAL SURVEY	NO.	BY	DATE
PLOTTED TEMPLATE			
NOTE BOOK			

MODEL: Default  
 FILE NAME: Z:\18035.34 (DOT) D1 P18 (87-006) W034 IL 59 Retaining Wall (CGM) Design (P18) (P18) sheet 0181213-0k-rds.dgn



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL 59 (GREEN AVE TO FOREST AVE)  
 CROSS SECTIONS  
 SCALE: SHEET OF SHEETS STA. 48+70.00 TO STA. 48+100.00

DATE: 2015-04-08  
 DRAWN BY: JH  
 CHECKED BY: JH  
 DESIGNED BY: JH  
 REVISIONS:

COMPILED BY: JH  
 CONTRACT NO. 67273