

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

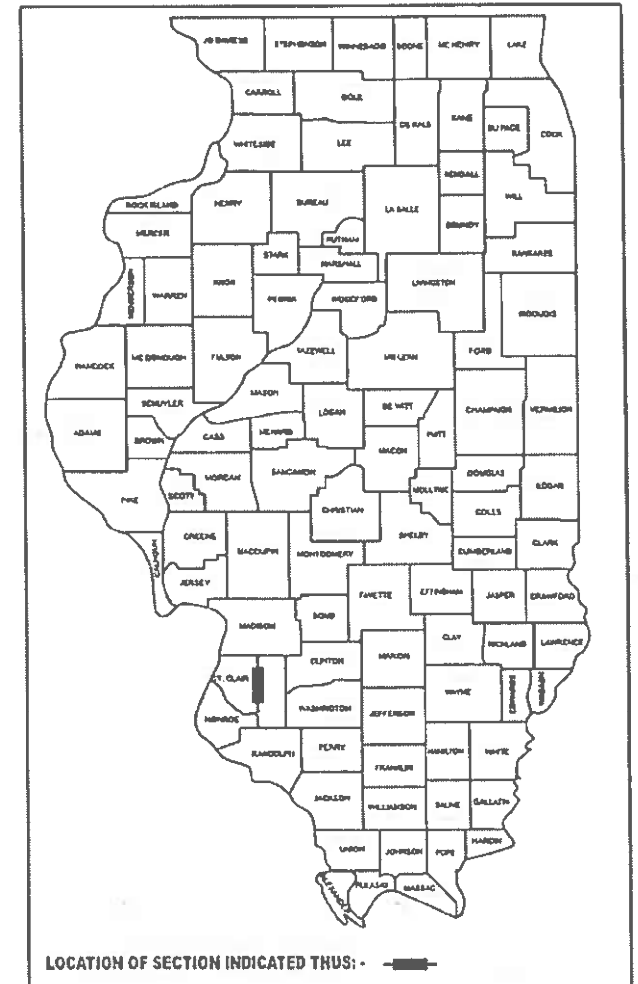
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	1
		CONTRACT NO. 97873		

INDEX OF SHEETS

1	COVER SHEET
2-3	GENERAL NOTES, HIGHWAY STANDARDS, AND COMMITMENTS
4-10	SUMMARY OF QUANTITIES
11-16	TYPICAL SECTIONS
16-18	SCHEDULE OF QUANTITIES
19-20	ALIGNMENT, TE, AND BENCHMARK SHEET
21-32	PLAN AND PROFILE SHEETS
33-51	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SHEETS
52-57	EROSION CONTROL SHEETS
58-69	DRAINAGE SHEETS
70-75	REMOVAL PLAN SHEETS
76-82	INTERSECTION DETAILS
83	CURB RAMP DETAIL SHEETS
84-89	PAVEMENT MARKING AND SIGNAGE SHEETS
90-94	TRAFFIC SIGNAL PLANS
95-100	STRUCTURE PLANS
101-108	CONSTRUCTION DETAILS
109-174	CROSS SECTIONS

PROPOSED HIGHWAY PLANS

ST. CLAIR COUNTY
NORTH GREEN MOUNT ROAD WIDENING
FAU ROUTE 9170 (CH 89)
SECTION 16-00333-17-PW
PROJECT: F398(164)
JOB NO: C-98-021-25
CDS FUNDS



LOCATION OF SECTION INDICATED THUS: -

DESIGN DESIGNATION

ROADWAY CLASSIFICATION = MINOR ARTERIAL
DESIGN SPEED = 40 MPH
CURRENT ADT = 19,600 (2025)
FUTURE ADT = 24,100 (2046)

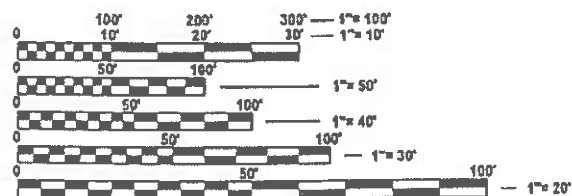


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100 Lanier Court, Suite 1
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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

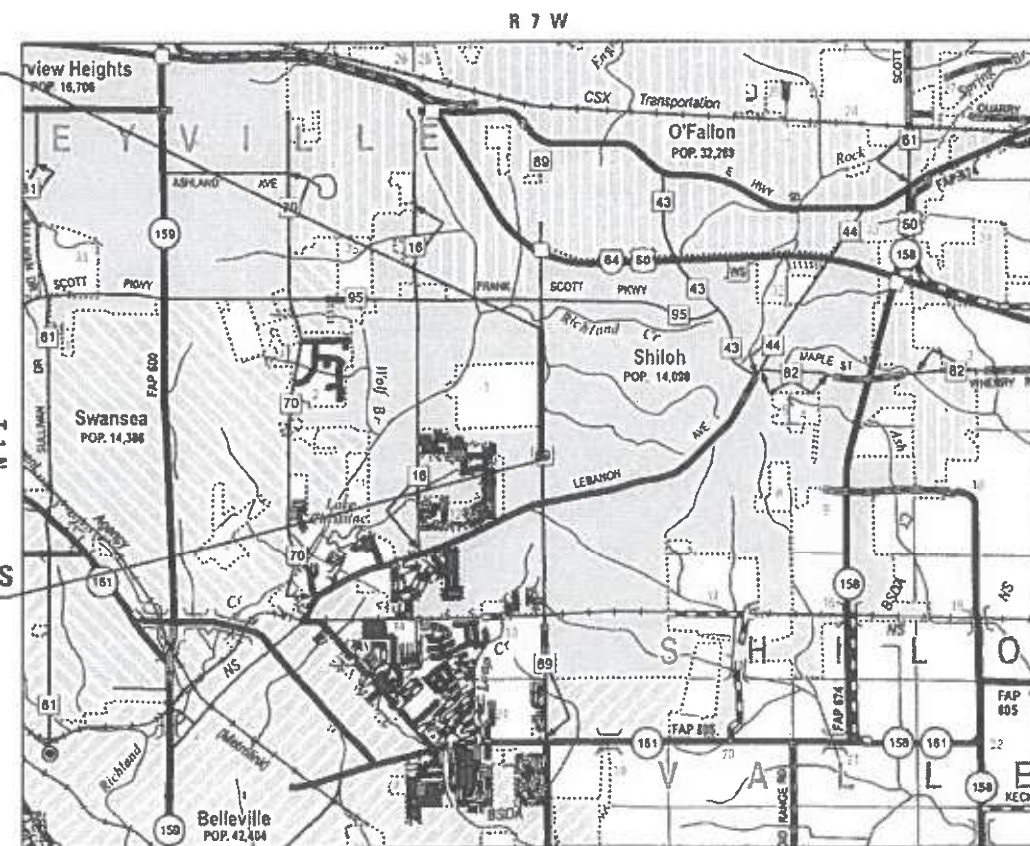


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

END IMPROVEMENTS
STA 324 + 00.00

BEGIN IMPROVEMENTS
STA 269 + 03.02



HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-10	PAVEMENT JOINTS
424006-06	DIAGONAL CURB RAMPS FOR SIDEWALKS
442101-09	CLASS B PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602301-04	INLET TYPE A
602306-03	INLET TYPE B
602401-07	PRECAST MANHOLE TYPE A 4' DIAMETER
602402-03	PRECAST MANHOLE TYPE A 5' DIAMETER
602406-11	PRECAST MANHOLE TYPE A 6' DIAMETER
602411-09	PRECAST MANHOLE TYPE A 7' DIAMETER
602416-09	PRECAST MANHOLE TYPE A 8' DIAMETER
602426-03	PRECAST MANHOLE TYPE A 10' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604006-05	FRAME AND GRATE TYPE 3
604036-03	GRATE TYPE 8
604091-05	FRAME AND GRATE TYPE 24
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606401-02	PAVED DITCH
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
635001-02	DELINEATORS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720016-04	MAST ARM MOUNTED STREET NAME SIGNS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

GENERAL NOTES

UTILITIES

1. ABOVE-GROUND UTILITY FACILITIES OR APPURTENANCES SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS TO PROVIDE A MINIMUM HORIZONTAL CLEARANCE OF 1.5 FEET, MEASURED FROM THE FACE OF CURB TO THE NEAR EDGE OF THE OBJECT.
2. THE FOLLOWING UTILITY COMPANIES MAY HAVE FACILITIES LOCATED WITHIN THE LIMITS OF CONSTRUCTION WHICH MAY REQUIRE ADJUSTMENT, RELOCATION OR REMOVAL. REFER TO THE "STATUS OF UTILITIES TO BE ADJUSTED" SPECIAL PROVISION FOR ADDITIONAL INFORMATION.

AMEREN ILLINOIS (SOUTH) 2600 NORTH CENTER MARYVILLE, IL 62062 (618) 301-5237	AT&T (DISTRIBUTION) 203 GOETHE STREET COLLINSVILLE, IL	CHARTER/SPECTRUM COMM. 815 CHARTER COMMONS TOWN & COUNTRY, MO 63017 (800) 242-8511
AT&T (TRANSMISSION) 203 GOETHE STREET COLLINSVILLE, IL (240) 215-7041	IL AMERICAN WATER (SHILOH SAN) 300 N WATER WORKS DR BELLEVILLE, IL 62223 (800) 422-2782	
ST. CLAIR CO HWY DEPT. 1415 NORTH BELT WEST BELLEVILLE, IL 62220 (618) 233-1392	VILLAGE OF SHILOH #1 PARK DRIVE SHILOH, IL 62269 (618) 632-1022	

GENERAL

3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE LOCAL POSTMASTER FOR APPROVAL OF ALL TEMPORARY MAILBOX LOCATIONS. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THIS PROVISION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND COMMENCING CONSTRUCTION.
5. THE CONTRACTOR SHALL STAGE ALL WORK IN SUCH A WAY AS TO MAINTAIN INGRESS AND EGRESS TO ALL ABUTTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION. AGGREGATE FOR TEMPORARY ACCESS WILL BE MEASURED FOR PAYMENT AS SPECIFIED IN THE CONTRACT. THE COST OF ALL OTHER MATERIALS REQUIRED AND ALL OTHER LABOR NECESSARY TO COMPLY WITH THIS PROVISION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
6. THE CONTRACTOR SHALL CONFINE ALL OPERATIONS TO THE CONSTRUCTION LIMITS LINE SHOWN ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR SHALL FERTILIZE, SEED AND MULCH ALL EARTH SURFACES DISTURBED BY CONSTRUCTION. FERTILIZER, SEEDING AND MULCH WITHIN THE CONSTRUCTION LIMITS WILL BE PAID FOR AS PROVIDED IN THE CONTRACT. FERTILIZER, SEEDING AND MULCH OUTSIDE THESE LIMITS WILL NOT BE MEASURED FOR PAYMENT. SEE THE SEEDING SCHEDULE FOR ESTIMATED QUANTITIES.
8. WHERE TREE REMOVAL CONFLICTS WITH EXISTING UNDERGROUND UTILITIES, THE CONTRACTOR SHALL CUT THE TREE OFF AT THE GROUND LINE AND GRIND THE STUMP AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR THE VARIOUS TREE REMOVAL ITEMS INCLUDED IN THE CONTRACT.
9. WHERE TREE PRUNING IS REQUIRED, THE CONTRACTOR SHALL TRIM THE TREES BACK TO THE EXISTING RIGHT OF WAY LINE TO IMPROVE SIGHT DISTANCE FOR VEHICLES WITHOUT ENCROACHING ON PRIVATE PROPERTY.

EARTHWORK

10. THE CONTRACTOR SHALL BENCH THE PROPOSED EMBANKMENT INTO THE EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR FURNISHED EXCAVATION.
11. ANY TREE, SHRUB, OR BUSH REMOVAL NOT PAID FOR IN SCHEDULES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

PAVING

12. AT VARIOUS LOCATIONS, IT MAY BE NECESSARY TO TRANSITION PROPOSED COMBINATION CONCRETE CURB AND GUTTER TO MEET EXISTING CURBS OR GUTTERS. THE MINIMUM LENGTH OF TRANSITIONAL COMBINATION CURB AND GUTTER SHALL BE 10 FEET, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

DRAINAGE

13. STORM SEWER INVERTS SHOWN ON THE PLANS HAVE BEEN CALCULATED TO THE CENTER OF THE STRUCTURE. THE STORM SEWER SLOPES SHOWN ON THE PLANS ARE THE PERCENT GRADE FROM CENTER TO CENTER OF STRUCTURE. THE LENGTH OF STORM SEWERS SHOWN ON THE PLANS IS THE DISTANCE FROM CENTER TO CENTER OF STRUCTURE. STORM SEWER WILL BE MEASURED AND PAID FOR AS SPECIFIED IN ARTICLES 550.09 AND 550.10 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION." SEE PLANS FOR ESTIMATED QUANTITIES.
14. THE OFFSETS TO ALL INLETS AND MANHOLES ARE GIVEN TO THE CENTER OF THE OPENING AT THE BASE OF THE FRAME AND GRATE OR LID. CONCENTRIC DRAINAGE STRUCTURES WERE ASSUMED WHEN CALCULATING THESE DIMENSIONS.
15. ALL TYPE 3 FRAMES AND GRATES SHALL BE FURNISHED BY THE CONTRACTOR WITH OPEN CURB BOXES. SEE HIGHWAY STANDARD 604006 AND THE SPECIAL PROVISIONS FOR DETAILS.
16. THE CONTRACTOR SHALL INCLUDE THE COST OF MAKING CONNECTIONS TO EXISTING DRAINAGE STRUCTURES IN THE CONTRACT UNIT PRICE FOR THE STORM SEWER ITEMS INVOLVED.

PAVEMENT MARKING

17. THE PAVEMENT MARKING LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE. PROPOSED CROSSWALKS AND STOP BARS SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER, IF NECESSARY, TO MATCH FIELD CONDITIONS.

GUARDRAIL

18. ROCK BACKFILL AND GEOGRID FOR AN EXISTING MSE WALL EXISTS IN THE AREA OF GUARDRAIL INSTALLATION BETWEEN STATION 295+70 RT AND 296+50 RT. THE MSE WALL WILL REMAIN IN PLACE BEHIND A PROPOSED SHEET PILE WALL AT THE SAME LOCATION. ONCE THE NEW SHEET PILE WALL IS CONSTRUCTED, THE GEOGRID IS NO LONGER NEEDED AND THE CONTRACTOR MAY INSTALL GUARDRAIL THROUGH THE ROCK AND GEOGRID AS REQUIRED. THE COST OF THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR GUARDRAIL.

APPROXIMATE QUANTITIES, SYMBOLS & ABBREVIATIONS

19. THE FOLLOWING ITEMS AND APPROXIMATE QUANTITIES ARE INCLUDED IN THE "SUMMARY OF QUANTITIES" IN ORDER TO ESTABLISH A UNIT COST FOR WORK WHICH MAY BE REQUIRED TO CONSTRUCT THIS SECTION. THE ACTUAL QUANTITY OF EACH ITEM SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- AGGREGATE FOR TEMPORARY ACCESS350TON

POTHOLING5EACH

HMA POTHOLE PATCH (CM)21TON
20. THE FOLLOWING SYMBOLS, ABBREVIATIONS AND PATTERNS SUPPLEMENT OR SUPERCEDE HIGHWAY STANDARD 000001:

	FLARED END SECTION
BO	BY OTHERS (USED IN CONJUNCTION WITH TBA & TBR)
CONSTR	CONSTRUCTION
CP	CONTROL POINT
ESMT	EASEMENT
ELEV	ELEVATION
EXT	EXTENSION
K	LENGTH OF VERTICAL CURVE PER PERCENT GRADE DIFFERENCE
N/F	NOW OR FORMERLY
O/C	OIL AND CHIP
PERM	PERMANENT
PVI	POINT OF VERTICAL INTERSECTION
PVC	POLYVINYL CHLORIDE PIPE
TCE	TEMPORARY CONSTRUCTION EASEMENT
TUP	TEMPORARY USE PERMIT
TBA	TO BE ADJUSTED
TBRL	TO BE RELOCATED
TYP	TYPICAL
W	WIDTH
DND	DO NOT DISTURB

MODEL: General Notes-Sht 1 [Sheet]
FILE NAME: H:\P\223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\08223103-sht-gennode.dgn
ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

 OATES ASSOCIATES www.oatesassociates.com LINO DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = rylene.wirtjes	DESIGNED -	REVISED -	 ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES	GENERAL NOTES, HIGHWAY STANDARDS, AND COMMITMENTS					F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -							9170	16-00333-17-PW	ST. CLAIR	174	2
		CHECKED -	REVISED -		CONTRACT NO. 97873									
	PLOT DATE = 10/14/2025	DATE -	REVISED -		SCALE:	SHEET 1	OF 2 SHEETS	STA.	TO STA.		ILLINOIS	FED. AID PROJECT		

COMMITMENTS

1.
- TREES THREE (3) INCHES IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1ST THROUGH SEPTEMBER 30TH OF ANY GIVEN YEAR.

MIXTURE USE	INCIDENTAL HMA	HMA SURFACE
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISIONS	SEE SPECIAL PROVISIONS
DESIGN AIR VOIDS	4.0% @ NDES=70	4.0% @ NDES=70
MIX COMPOSITION (GRADATION)	IL 9.5	IL 9.5
FRICTION AGG	MIXTURE "C"	MIXTURE "C"
QUALITY MGMT PROGRAM	QC/QA	QC/QA

MODEL: General Notes-Sht 2 [Sheet]
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\D8223103-sht-gennote.dgn



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	DRAWN -	REVISED -
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PLOT DATE = 6/19/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

GENERAL NOTES, HIGHWAY STANDARDS, AND COMMITMENTS

SCALE:

SHEET 2 OF 2 SHEETS

STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	3
CONTRACT NO. 97873				
		ILLINOIS	FED. AID PROJECT	

MODEL: SOO-shi 1 [Sheet]
FILE NAME: H:\P23103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\09223103-shi-SOO.dgn

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
*		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	30
*		20100500	TREE REMOVAL, ACRES	ACRE	0.25
*		20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	4
	*	20200100	EARTH EXCAVATION	CU YD	9,900
		20400800	FURNISHED EXCAVATION	CU YD	750
	*	20800150	TRENCH BACKFILL	CU YD	697
*	*	25000200	SEEDING, CLASS 2	ACRE	4.75
*		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	433
*		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	433
*		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	433
*		25100115	MULCH, METHOD 2	ACRE	4.75
*		25100630	EROSION CONTROL BLANKET	SQ YD	19,699
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	475
		28000305	TEMPORARY DITCH CHECKS	FOOT	170

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		28000400	PERIMETER EROSION BARRIER	FOOT	4800
		28000500	INLET AND PIPE PROTECTION	EACH	127
		28100107	STONE RIPRAP, CLASS A4	SQ YD	333
		28200200	FILTER FABRIC	SQ YD	333
		35100300	AGGREGATE BASE COURSE, TYPE A 4"	SQ YD	52
		35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	23229
		35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	843
		35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	60
		40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	350
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1742
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	326
		40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	220
		40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	6
		42000401	PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SQ YD	18714

* SPECIALTY ITEM

 OATES ASSOCIATES www.oatesassociates.com	USER NAME = roshan.pokhrel	DESIGNED -	REVISED -	 ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES	SUMMARY OF QUANTITIES			F.A.U. RTE. 9170	SECTION 16-00333-17-PW	COUNTY ST. CLAIR	TOTAL SHEETS 174	SHEET NO. 4
	PLOT DATE = 6/19/2025	DRAWN -	REVISED -					CONTRACT NO. 97873				
	CHECKED -	REVISED -	ILLINOIS FED. AID PROJECT									
	DATE -	REVISED -	16-00333-17-PW									

MODEL: SOQ-sh1 2 [Sheet]
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\223103-sh-SOQ.dgn

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		42001300	PROTECTIVE COAT	SQ YD	22971
	*	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	69
	*	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	611
		42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	585
	*	42400800	DETECTABLE WARNINGS	SQ FT	26
		44000100	PAVEMENT REMOVAL	SQ YD	3197
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1062
		44000400	GUTTER REMOVAL	FOOT	1522
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1080
		44000600	SIDEWALK REMOVAL	SQ FT	743
		44004000	PAVED DITCH REMOVAL	FOOT	53
		44004250	PAVED SHOULDER REMOVAL	SQ YD	8635
	*	44200956	CLASS B PATCHES, TYPE II, 9 INCH	SQ YD	26
	*	44200964	CLASS B PATCHES, TYPE IV, 9 INCH	SQ YD	378

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		50105220	PIPE CULVERT REMOVAL	FOOT	560
		52200015	PERMANENT SHEET PILING	SQ FT	6890
		52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	800
		54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	1
		54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	2
		54001003	BOX CULVERT END SECTIONS, CULVERT NO. 3	EACH	1
		54001004	BOX CULVERT END SECTIONS, CULVERT NO. 4	EACH	1
		54010603	PRECAST CONCRETE BOX CULVERTS 6' X 3'	FOOT	16
		54010704	PRECAST CONCRETE BOX CULVERTS 7' X 4'	FOOT	16
		54011002	PRECAST CONCRETE BOX CULVERTS 10' X 2'	FOOT	13
		54011004	PRECAST CONCRETE BOX CULVERTS 10' X 4'	FOOT	12
		54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	9
		54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4
		54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1

* SPECIALTY ITEM



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PLOT DATE = 6/20/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	5
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

* 16-00333-17-PW

MODEL: SOQ-dht 3 [Sheet]
FILE NAME: H:\P\223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\B223103-shl-SOQ.dgn

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	3
		54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	1
		54248510	CONCRETE COLLAR	CU YD	7.5
	*	550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	5886
	*	550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	378
	*	550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	113
	*	550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	929
	*	550A2580	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 30"	FOOT	800
	*	550A2600	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 36"	FOOT	82
	*	550A2610	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 42"	FOOT	555
		60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	44
	*	60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	13
		60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	3
		60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	15

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	13
		60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	2
		60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5
	*	60223810	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1
		60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2
		60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
		60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3
		60224494	MANHOLES, TYPE A, 10'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1
	*	60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	16
		60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2
		60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	56
		60240215	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	1
	*	60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	1
		60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	EACH	9

* SPECIALTY ITEM



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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/19/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	6
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

MODEL: SOQ-sh4 (Sheet)
FILE NAME: H-P223103 - North Green Mount Road Pavement Widening\CADD\Mississauga\CADD Drawings\0223103-sh-SOQ.dgn

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
	*	60255900	MANHOLES TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	1
		60500040	REMOVING MANHOLES	EACH	1
		60500060	REMOVING INLETS	EACH	10
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	11475
*		63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	487.5
*		63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3
*		63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1
		63200310	GUARDRAIL REMOVAL	FOOT	430
		67100100	MOBILIZATION	L SUM	1
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	2834
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	942
		70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	990
		70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	19766
		70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	581

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	341
		70400100	TEMPORARY CONCRETE BARRIER	FOOT	300
		70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	132
		70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2
*		72000100	SIGN PANEL - TYPE 1	SQ FT	249
*		72000200	SIGN PANEL - TYPE 2	SQ FT	25
		72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	19
		72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	1
*		72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2
*		72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	462
*		78006100	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	990
*		78006110	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	19766
*		78006150	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	581
*		78006180	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	341

* SPECIALTY ITEM



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	CHECKED -	REVISED -
PLOT DATE = 6/19/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

SUMMARY OF QUANTITIES

SCALE:	SHEET 4	OF 7	SHEETS	STA.	TO STA.
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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	7
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

MODEL: SOQ-sh1 5 [Sheet]
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\0223103-sh1-SOQ.dgn

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
*		78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	556
		78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	552
*		78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	9
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	414
		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	22148
*		80500100	SERVICE INSTALLATION, TYPE A	EACH	1
*		81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	135
*		81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	51
*		81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	307
*		81028400	UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	4
*		81400100	HANDHOLE	EACH	4
*		81400300	DOUBLE HANDHOLE	EACH	2
*		85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
*		86200200	UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	2

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
*		87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	126
*		87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	140
*		87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1996
*		87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1128
*		87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	922
*		87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	941
*		87501400	TRAFFIC SIGNAL POST, 18 FT.	EACH	1
*		87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
*		87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
*		87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	2
*		87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
*		87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
*		87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3
*		87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	63

* SPECIALTY ITEM



USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
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	CHECKED -	REVISED -
PLLOT DATE = 6/19/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

SUMMARY OF QUANTITIES

SCALE:	SHEET 5	OF 7	SHEETS	STA.	TO STA.
--------	---------	------	--------	------	---------

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	8
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

MODEL: SOQ-sh1 6 [Sheet]
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\ID8223103-sh1-SOQ.dgn

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
*		87900200	DRILL EXISTING HANDHOLE	EACH	6
*		88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	8
*		88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	10
*		88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
*		88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
*		88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3
*		88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	2
*		88200110	TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	17
*		88500100	INDUCTIVE LOOP DETECTOR	EACH	16
*		88600100	DETECTOR LOOP, TYPE I	FOOT	1296
*		89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	2
*		89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	787
*		89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1182
*		89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
*		89502380	REMOVE EXISTING HANDHOLE	EACH	3
*		89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
*		89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
	*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
	*	Z0018911	DRILL AND GROUT #6 TIE BARS	EACH	3664
	*	Z0056668	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	260
*	*	Z0073509	PERMANENT TRAFFIC SIGNAL TIMING	EACH	2
	*	X0327301	RELOCATE EXISTING MAILBOX	EACH	3
	*	X1700066	POTHOLING	EACH	5
	*	X4062948	HOT-MIX ASPHALT FOR PATCHING POTHOLES (COLD MIX)	TON	21
	*	X5010205	REMOVAL OF EXISTING STRUCTURE (SPECIAL)	EACH	1
	*	X5010520	REMOVE CONCRETE BOX CULVERT END SECTION	EACH	4
	*	X5420500	INLET BOX (SPECIAL)	EACH	1
	*	X5510100	STORM SEWER REMOVAL	FOOT	579

* SPECIALTY ITEM



USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
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ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

SUMMARY OF QUANTITIES

SCALE: SHEET 6 OF 7 SHEETS STA. TO STA.

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	9
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

MODEL: SOQ - 7 [Sheet]
FILE NAME: RRP223103 - North Green Mount Road Pavement WideningCADD\MicrostationCADD Drawings\B223103-sh-SOQ.dgn

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
	*	X6050176	PLUG EXISTING CULVERTS	EACH	5
	*	X6050188	PLUG PIPE PENETRATION	EACH	3
	*	X6050190	TEMPORARY STORM SEWER PLUGS	EACH	2
	*	X6050208	FILLING EXISTING CULVERTS	CUYD	12
	*	X6062400	CONCRETE GUTTER (SPECIAL)	FOOT	31
*	*	X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	25
*	*	X6350108	FLEXIBLE DELINEATORS	EACH	29
	*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
*	*	X8140115	HANDHOLE TO BE ADJUSTED	EACH	1
*	*	X8302125	WOOD POLE, 25 FT, CLASS 4	EACH	1
*	*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
*	*	X8860105	DETECTOR LOOP REPLACEMENT	FOOT	1296
#		Z0076600	TRAINEES	HOURL	3000
#		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	3000

* SPECIALTY ITEM # 0042



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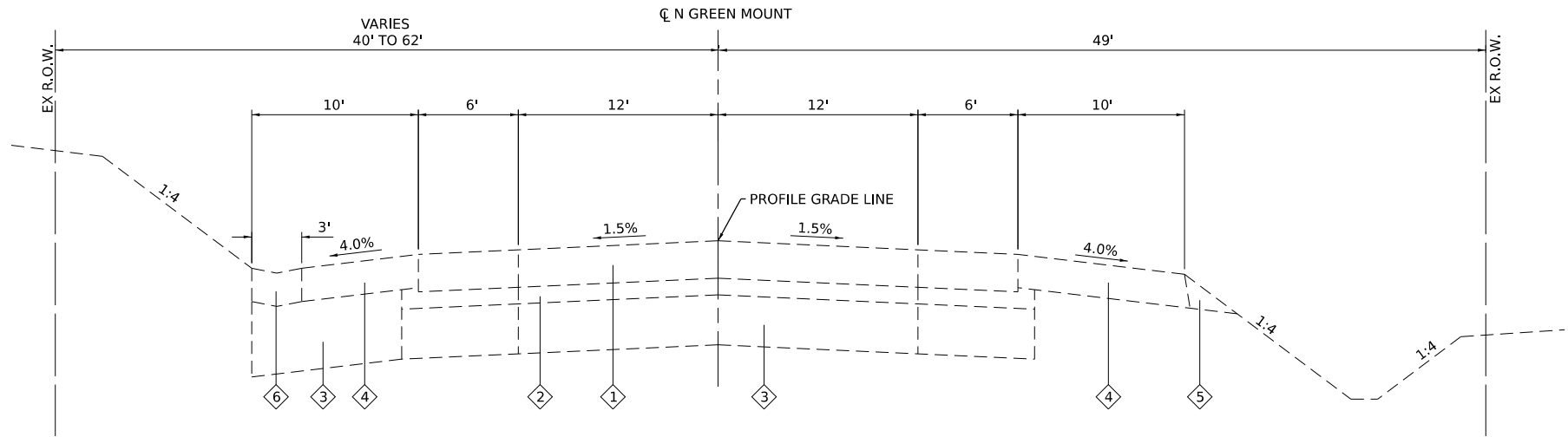
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

SUMMARY OF QUANTITIES

SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

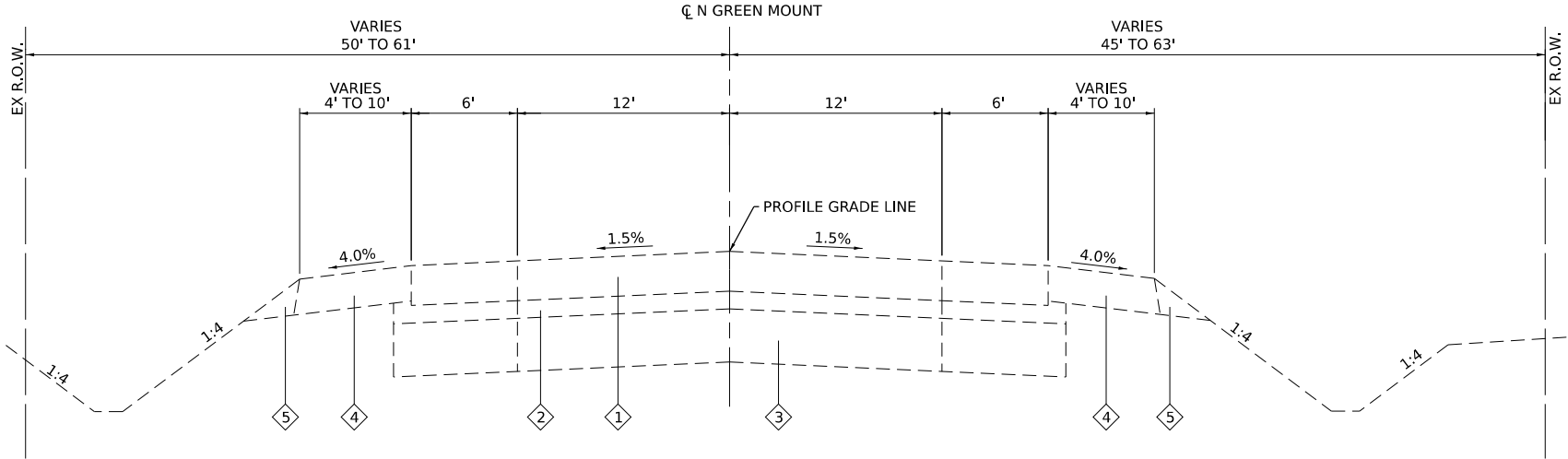
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	10
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

MODEL: Typical Sections- Sht 1 (Sheet)
FILE NAME: H:\2223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\2223103-sht-1-typicals.dgn



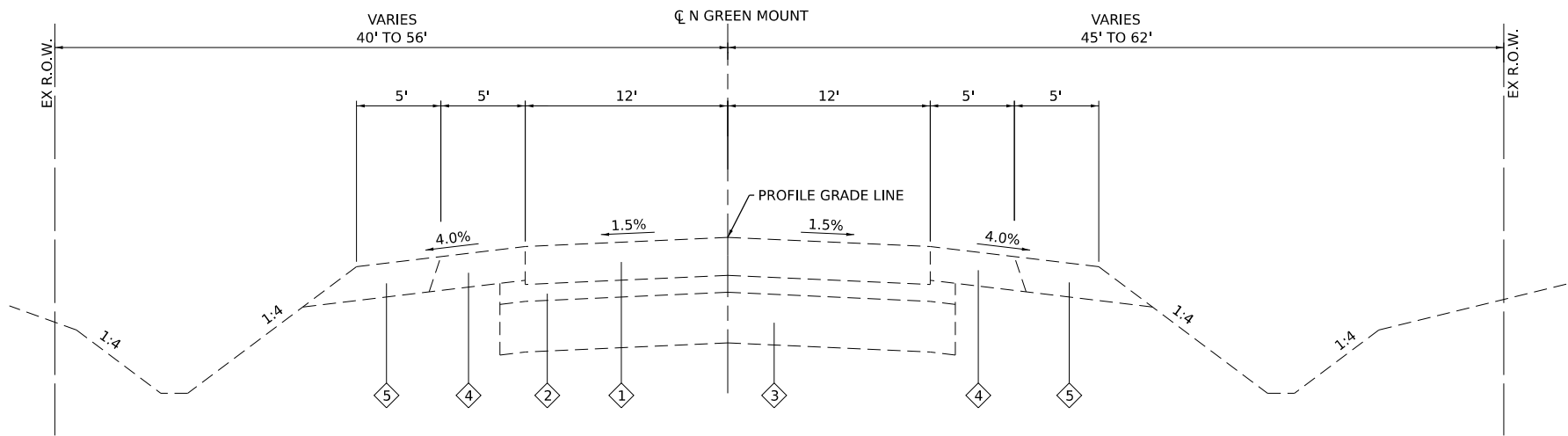
EXISTING NORTH GREENMOUNT ROAD

STA. 282+02.00 TO STA. 284+88.00



EXISTING NORTH GREENMOUNT ROAD

STA. 271+05.00 TO STA. 282+02.00
STA. 284+88.00 TO STA. 289+00.00



EXISTING NORTH GREENMOUNT ROAD

STA. 269+03.02 TO STA. 271+05.00
STA. 321+22.00 TO STA. 322+49.00

LEGEND

- 1 EXISTING REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 9"
- 2 EXISTING STABILIZED SUBBASE, 4"
- 3 EXISTING LIME MODIFIED SOIL, 12"
- 4 EXISTING PAVED SHOULDER, 8"
- 5 EXISTING AGGREGATE SHOULDER, 8"
- 6 EXISTING CONCRETE GUTTER, TYPE A
- 7 PR RETAINING WALL
- 8 PR PORTLAND CEMENT CONCRETE PAVEMENT 9", JOINTED
- 9 PR COMBINATION CURB AND GUTTER, TYPE B-6.24
- 10 PR AGGREGATE BASE COURSE, TYPE A, 12"
- 11 PR DRILL AND GROUT #6 TIE BARS

NOTES

- 1 EX GUARDRAIL PRESENT FROM STA. 294+36 TO STA. 297+75 AND FROM STA. 298+28 TO STA. 299+10.
- 2 EX 6' TO 12' TRANSITION FROM STA. 289+00.00 TO STA. 291+75.
- 3 EX 6' TO 2' TRANSITION FROM STA. 289+00.00 TO STA. 291+75.
- 4 EX THREE TO TWO LANE TRANSITION FROM STA. 309+05.00 TO STA. 313+85.00
- 5 EX 12' TO 6' TRANSITION FROM STA. 309+05 TO STA. 313+85.
- 6 EX 10' SHOULDER FROM STA. 309+05 TO STA. 311+74
6' TO 1' SHOULDER TRANSITION FROM STA. 311+74 TO STA. 313+85.00.
- 7 EX TYPE-A CONCRETE GUTTER FROM STA. 311+63 LT TO STA. 315+13 LT AND FROM STA. 312+14 RT TO 314+23 RT
- 8 PR RETAINING WALL FROM STA. 295+10 TO STA. 297+20.
- 9 EXTENDS TO 4' WHEN GUARDRAIL IS PRESENT FROM STA 292+80 TO STA 297+75 AND STA 298+28 TO STA 299+23



USER NAME = kevin.botterbush	DESIGNED -	REVISED -
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PLOT DATE = 6/18/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

**EXISTING
TYPICAL SECTIONS**

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

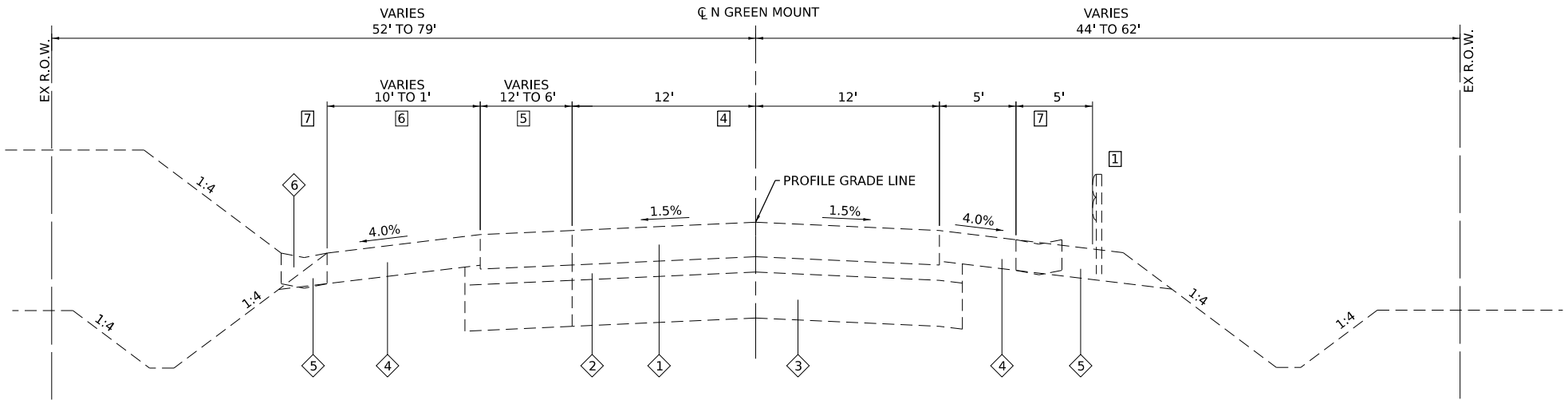
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	11
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

MODEL: Typical Sections- Sht 2 (Sheet)
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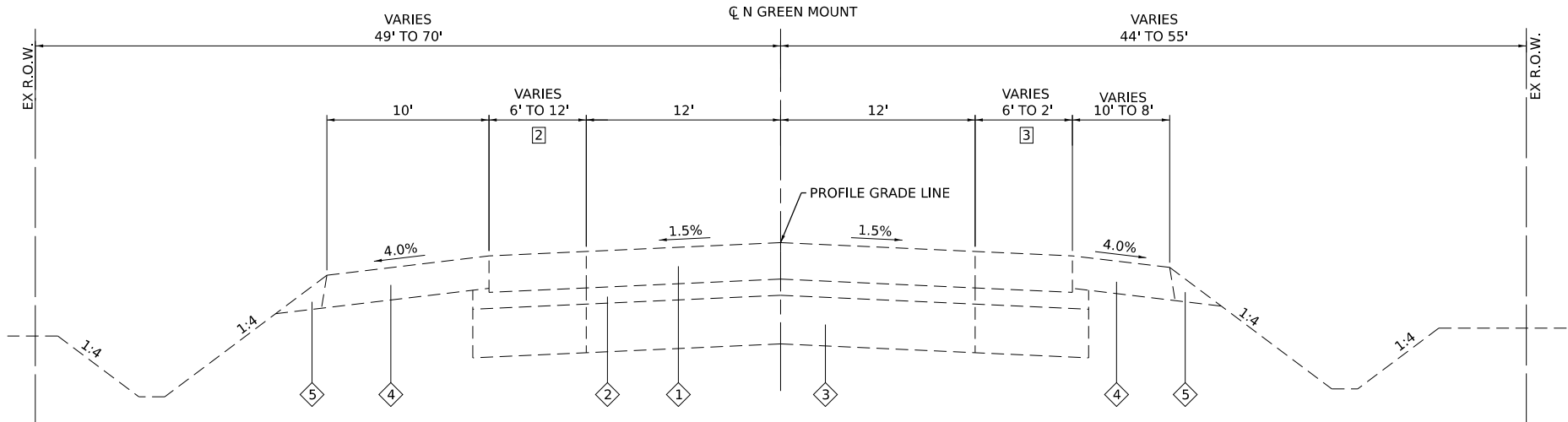
LEGEND

- 1 EXISTING REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 9"
2 EXISTING STABILIZED SUBBASE, 4"
3 EXISTING LIME MODIFIED SOIL, 12"
4 EXISTING PAVED SHOULDER, 8"
5 EXISTING AGGREGATE SHOULDER, 8"
6 EXISTING CONCRETE GUTTER, TYPE A
7 PR RETAINING WALL
8 PR PORTLAND CEMENT CONCRETE PAVEMENT 9", JOINTED
9 PR COMBINATION CURB AND GUTTER, TYPE B-6.24
10 PR AGGREGATE BASE COURSE,TYPE A, 12"
11 PR DRILL AND GROUT #6 TIE BARS



EXISTING NORTH GREENMOUNT ROAD

STA. 291+75.00 TO STA. 313+85.00



EXISTING NORTH GREENMOUNT ROAD

STA. 289+00.00 TO STA. 291+75.00

NOTES

- 1 EX GUARDRAIL PRESENT FROM STA. 294+36 TO STA. 297+75 AND FROM STA. 298+28 TO STA. 299+10.
2 EX 6' TO 12' TRANSITION FROM STA. 289+00.00 TO STA. 291+75.
3 EX 6' TO 2' TRANSITION FROM STA. 289+00.00 TO STA. 291+75.
4 EX THREE TO TWO LANE TRANSITION FROM STA. 309+05.00 TO STA. 313+85.00
5 EX 12' TO 6' TRANSITION FROM STA. 309+05 TO STA. 313+85.
6 EX 10' SHOULDER FROM STA. 309+05 TO STA. 311+74
6' TO 1' SHOULDER TRANSITION FROM STA. 311+74 TO STA. 313+85.00.
7 EX TYPE-A CONCRETE GUTTER FROM STA. 311+63 LT TO STA. 315+13 LT AND FROM STA. 312+14 RT TO 314+23 RT
8 PR RETAINING WALL FROM STA. 295+10 TO STA. 297+20.
9 EXTENDS TO 4' WHEN GUARDRAIL IS PRESENT FROM STA 292+80 TO STA 297+75 AND STA 298+28 TO STA 299+23



USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/19/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

EXISTING
TYPICAL SECTIONS

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	12
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

MODEL: Typical Sections- Sht 3 (Sheet)
FILE NAME: H:\2223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\08223103-sht-3-typical.dgn



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	CHECKED -	REVISED -
PLOT DATE = 6/19/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

EXISTING
TYPICAL SECTIONS

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

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	13
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

LEGEND

- EXISTING REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 9"
- EXISTING STABILIZED SUBBASE, 4"
- EXISTING LIME MODIFIED SOIL, 12"
- EXISTING PAVED SHOULDER, 8"
- EXISTING AGGREGATE SHOULDER, 8"
- EXISTING CONCRETE GUTTER, TYPE A
- PR RETAINING WALL
- PR PORTLAND CEMENT CONCRETE PAVEMENT 9", JOINTED
- PR COMBINATION CURB AND GUTTER, TYPE B-6.24
- PR AGGREGATE BASE COURSE, TYPE A, 12"
- PR DRILL AND GROUT #6 TIE BARS

NOTES

- EX GUARDRAIL PRESENT FROM STA. 294+36 TO STA. 297+75 AND FROM STA. 298+28 TO STA. 299+10.
- EX 6' TO 12' TRANSITION FROM STA. 289+00.00 TO STA. 291+75.
- EX 6' TO 2' TRANSITION FROM STA. 289+00.00 TO STA. 291+75.
- EX THREE TO TWO LANE TRANSITION FROM STA. 309+05.00 TO STA. 313+85.00
- EX 12' TO 6' TRANSITION FROM STA. 309+05 TO STA. 313+85.
- EX 10' SHOULDER FROM STA. 309+05 TO STA. 311+74
6' TO 1' SHOULDER TRANSITION FROM STA. 311+74 TO STA. 313+85.00.
- EX TYPE-A CONCRETE GUTTER FROM STA. 311+63 LT TO STA. 315+13 LT AND FROM STA. 312+14 RT TO 314+23 RT
- PR RETAINING WALL FROM STA. 295+10 TO STA. 297+20.
- EXTENDS TO 4' WHEN GUARDRAIL IS PRESENT FROM STA 292+80 TO STA 297+75 AND STA 298+28 TO STA 299+23

LEGEND

- 1

EXISTING REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 9"
- 2

EXISTING STABILIZED SUBBASE, 4"
- 3

EXISTING LIME MODIFIED SOIL, 12"
- 4

EXISTING PAVED SHOULDER, 8"
- 5

EXISTING AGGREGATE SHOULDER, 8"
- 6

EXISTING CONCRETE GUTTER, TYPE A
- 7

PR RETAINING WALL
- 8

PR PORTLAND CEMENT CONCRETE PAVEMENT 9", JOINTED
- 9

PR COMBINATION CURB AND GUTTER, TYPE B-6.24
- 10

PR AGGREGATE BASE COURSE,TYPE A, 12"
- 11

PR DRILL AND GROUT #6 TIE BARS

STRUCTURAL DESIGN TRAFFIC:YEAR:2036

PV = 20,651SU = 549MU = 770

ROAD/STREET CLASSIFICATION:CLASS:I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 94.0%S = 2.5%M = 3.5%

TRAFFIC FACTOR:ACTUAL = 5.55

MIN = 5.02

PG GRADE:BINDER:PG 64-22SURFACE:PG 64-22

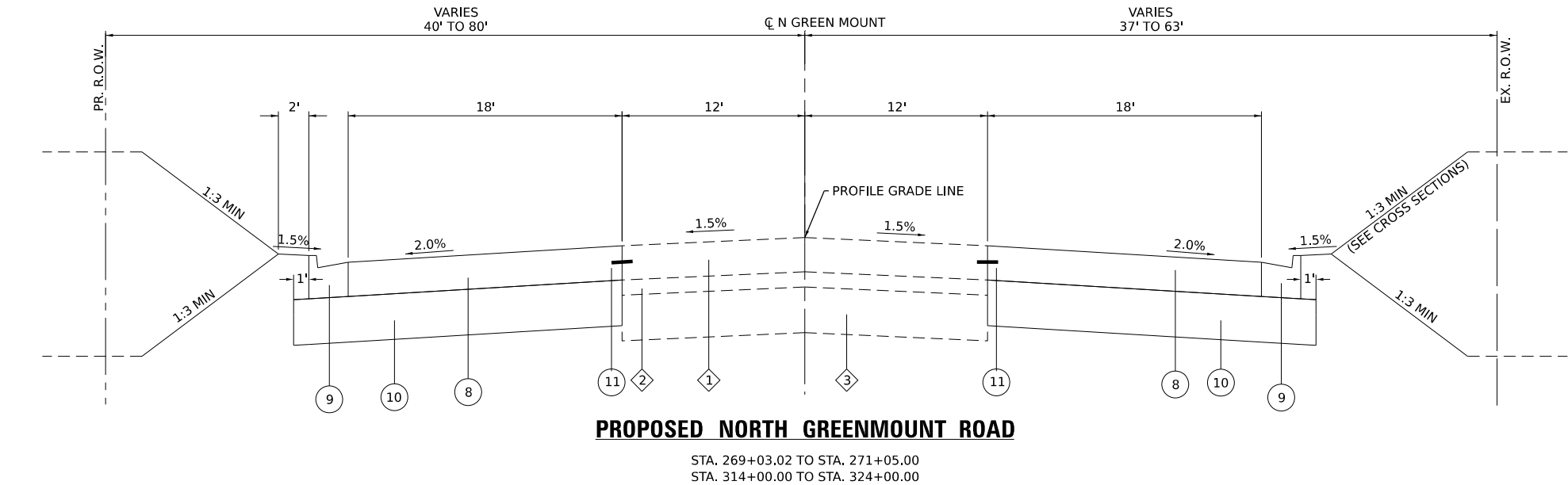
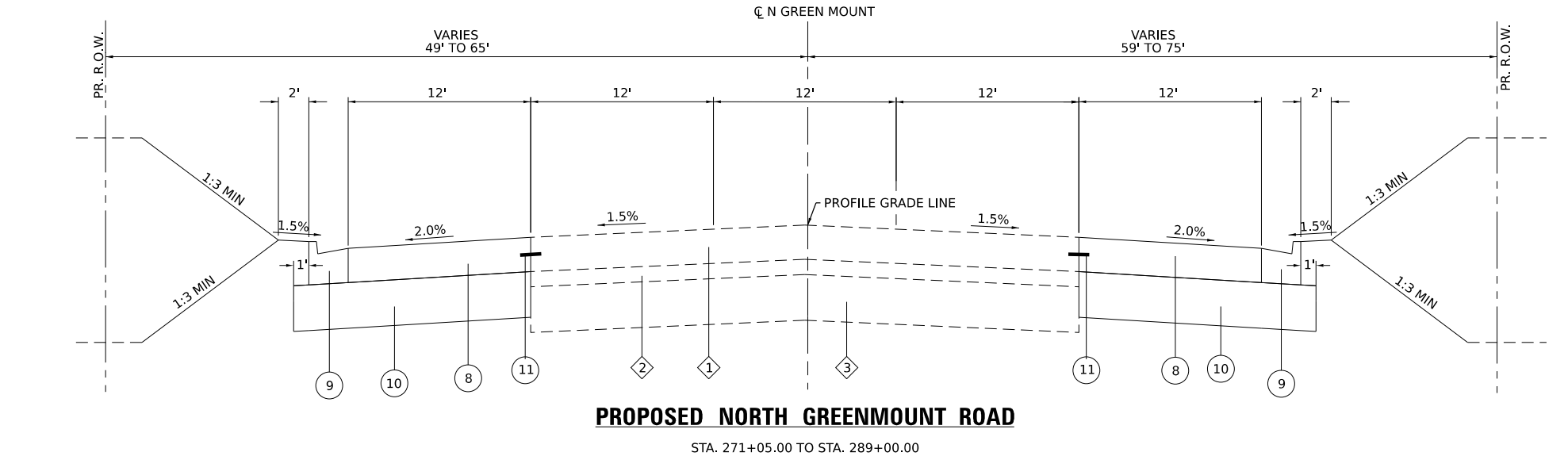
STRUCTURAL SUPPORT RATING:

SSR = POOR

NOTES

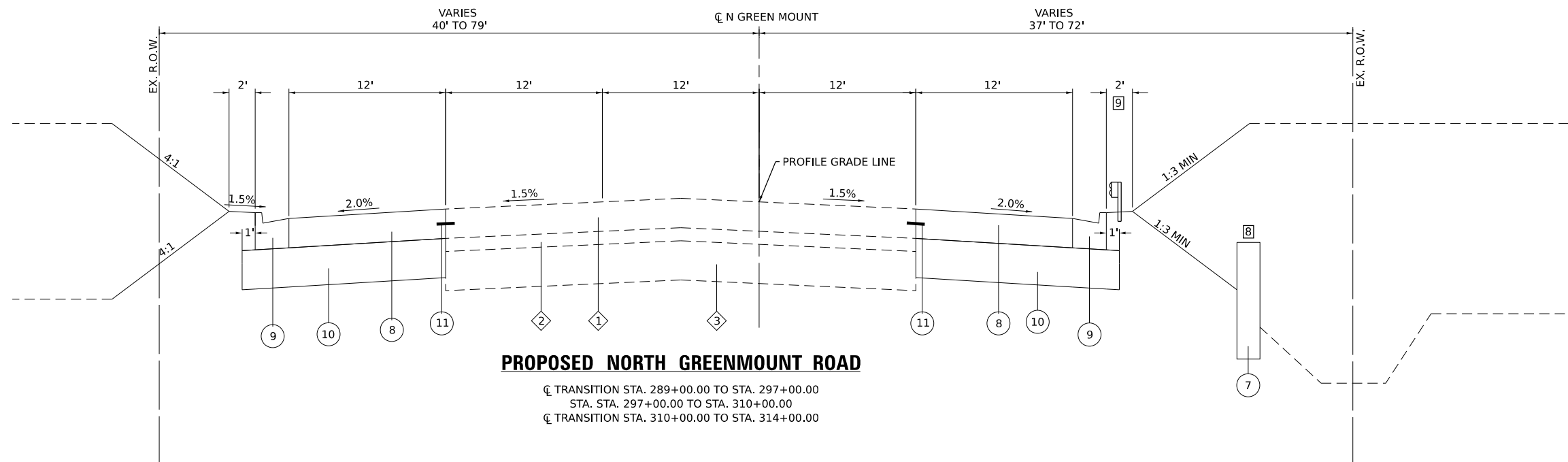
- 1EX GUARDRAIL PRESENT FROM STA. 294+36 TO STA. 297+75 AND FROM STA. 298+28 TO STA. 299+10.
- 2EX 6' TO 12' TRANSITION FROM STA. 289+00.00 TO STA. 291+75.
- 3EX 6' TO 2' TRANSITION FROM STA. 289+00.00 TO STA. 291+75.
- 4EX THREE TO TWO LANE TRANSITION FROM STA. 309+05.00 TO STA. 313+85.00
- 5EX 12' TO 6' TRANSITION FROM STA. 309+05 TO STA. 313+85.
- 6EX 10' SHOULDER FROM STA. 309+05 TO STA. 311+74
6' TO 1' SHOULDER TRANSITION FROM STA. 311+74 TO STA. 313+85.00.
- 7EX TYPE-A CONCRETE GUTTER FROM STA. 311+63 LT TO STA. 315+13 LT AND FROM STA. 312+14 RT TO 314+23 RT
- 8PR RETAINING WALL FROM STA. 295+10 TO STA. 297+20.
- 9EXTENDS TO 4' WHEN GUARDRAIL IS PRESENT FROM STA 292+80 TO STA 297+75 AND STA 298+28 TO STA 299+23

MODEL: Typical Sections- Sht 4 (Sheet)
FILE NAME: H:\2223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\2223103-sht-typicals.dgn



LEGEND

- 1 EXISTING REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 9"
- 2 EXISTING STABILIZED SUBBASE, 4"
- 3 EXISTING LIME MODIFIED SOIL, 12"
- 4 EXISTING PAVED SHOULDER, 8"
- 5 EXISTING AGGREGATE SHOULDER, 8"
- 6 EXISTING CONCRETE GUTTER, TYPE A
- 7 PR RETAINING WALL
- 8 PR PORTLAND CEMENT CONCRETE PAVEMENT 9", JOINTED
- 9 PR COMBINATION CURB AND GUTTER, TYPE B-6.24
- 10 PR AGGREGATE BASE COURSE, TYPE A, 12"
- 11 PR DRILL AND GROUT #6 TIE BARS



NOTES

- 1 EX GUARDRAIL PRESENT FROM STA. 294+36
TO STA. 297+75 AND FROM STA. 298+28 TO STA. 299+10.
- 2 EX 6' TO 12' TRANSITION FROM
STA. 289+00.00 TO STA. 291+75.
- 3 EX 6' TO 2' TRANSITION FROM
STA. 289+00.00 TO STA. 291+75.
- 4 EX THREE TO TWO LANE TRANSITION
STA. 309+05.00 TO STA. 313+85.00
- 5 EX 12' TO 6' TRANSITION FROM STA. 309+05 TO STA. 313+85.
- 6 EX 10' SHOULDER FROM STA. 309+05 TO STA. 311+74
6' TO 1' SHOULDER TRANSITION FROM STA. 311+74 TO STA. 313+85.00.
- 7 EX TYPE-A CONCRETE GUTTER FROM STA. 311+63 LT TO STA. 315+13 LT
AND FROM STA. 312+14 RT TO 314+23 RT
- 8 PR RETAINING WALL FROM STA. 295+10 TO STA. 297+20.
- 9 PR EARTH SHOULDER EXTENDS TO 4' WHEN GUARDRAIL IS PRESENT FROM
STA 292+80 TO STA 297+75 AND FROM STA 298+28 TO STA 299+23

STRUCTURAL DESIGN TRAFFIC: YEAR: 2036

PV = 20,651 SU = 549 MU = 770

ROAD/STREET CLASSIFICATION: CLASS: I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 94.0% S = 2.5% M = 3.5%

TRAFFIC FACTOR: ACTUAL = 5.55

MIN = 5.02

PG GRADE: BINDER: PG 64-22 SURFACE: PG 64-22

STRUCTURAL SUPPORT RATING:

SSR = POOR

TREE REMOVAL SCHEDULE

STATION	STATION	OFFSET	TREE REMOV 6-15 (UNIT)	TREE REMOV ACRES (ACRES)	TREE PRUN 1-10 (EACH)
279+35	287+75	RT	22		
287+75	298+02	LT	8		
287+75	298+02	RT		0.07	
298+02	308+20	RT		0.02	
308+20	315+56	RT		0.10	
322+12	324+00	LT			4
SUBTOTAL				0.19	
TOTAL			30	0.25	4

EARTHWORK SCHEDULE

STATION	STATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	FURNISHED EXCAVATION
		(CU YD)	(CU YD)	(CU YD)	(CU YD)	(SQ YD)
269+03	324+00	9900	7425	8175	-750	750
TOTAL		9,900	7,425	8,175	-750	750

SEEDING SCHEDULE

STATION	STATION	OFFSET	SEEDING CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHOROUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH METHOD 2
			(ACRE)	(POUND)	(POUND)	(POUND)	(ACRE)
269+03	272+67	RT	0.25	23	23	23	0.25
269+03	280+66	LT	0.25	23	23	23	0.25
273+14	279+40	RT	0.50	45	45	45	0.50
279+40	280+70	RT	0.25	23	23	23	0.25
280+66	289+05	LT	0.25	23	23	23	0.25
280+70	282+50	RT	0.25	23	23	23	0.25
282+50	287+10	RT	0.25	23	23	23	0.25
288+73	295+10	RT	0.25	23	23	23	0.25
289+50	296+09	LT	0.50	45	45	45	0.50
296+47	307+10	LT	0.50	45	45	45	0.50
300+50	307+38	RT	0.25	23	23	23	0.25
307+54	313+50	RT	0.25	23	23	23	0.25
308+90	314+00	LT	0.25	23	23	23	0.25
313+80	324+00	RT	0.50	45	45	45	0.50
316+30	324+30	LT	0.25	23	23	23	0.25
TOTAL			4.75	433	433	433	4.75

REMOVAL SCHEDULE

STATION	STATION	OFFSET	PIPE CULVERT REMOV	REMOV MANHOLES	REMOV INLETS	RELOCATE EX MAILBOX	REM EXIST STRUCT SPL	REM C BOX CUL END SEC	STORM SEWER REMOVAL	PLUG EXIST CULVERTS	PLUG PIPE PENETRATION	FILL EXIST CULVERTS
			(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(FOOT)	(EACH)	(EACH)	(CU YD)
269+03	279+35	LT	201							1		
269+03	279+35	RT	108									
279+35	287+75	LT	54		1				126		1	
279+35	287+75	RT						1				
287+75	298+02	LT	121									
287+75	298+02	RT	76									
298+02	308+20	LT										
298+02	308+20	RT					1					
308+20	315+56	LT			3				8	1		
308+20	315+56	RT				3		1	13			
315+56	322+12	LT			4			1	245	3	2	12
315+56	322+12	RT						1				
322+12	324+00	LT			1				165			
322+12	324+00	RT							22			
TOTAL			560	1	10	3	1	4	579	5	3	12

ENTRANCE SCHEDULE

STATION	OFFSET	TYPE	MATERIAL	AGG BASE CSE A 4	AGG BASE CSE B 4 (* PARTIAL AMOUNT)	AGG BASE CSE B 6	BIT MATLS PR CT (* PARTIAL AMOUNT)	INCIDENTAL HMA SURF	PROTECTIVE COAT	PCC DRIVEWAY PAVT 6	PCC DRIVEWAY PAVT 8	DRIVE PAVEMENT REM
				(SQ YD)	(SQ YD)	(SQ YD)	(POUND)	(TON)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)
272+87	LT	CE	PCC						15		106	232
272+87	RT	CE	PCC						18		160	238
276+08	LT	CE	PCC						14		152	241
291+63	RT	CE	PCC						10		134	234
296+28	LT	CE	AGG			60			12		59	
307+47	RT	PE	AGG		62				106	15		
308+43	RT	PE	AGG		49				160	18		
310+92	RT	PE	ASPH	32			72	4	152	14		76
311+07	RT	PE	ASPH	20			46	2	134	10		41
313+65	RT	PE	AGG		11				59	12		
TOTAL				52	122	60	118	6	680	69	611	1062

EROSION CONTROL SCHEDULE

STATION	STATION	OFFSET	EROSION CONTR BLANKET	TEMP EROS CONTR SEED	TEMP DITCH CHECKS	PERIMETER EROS BAR	INLET & PIPE PROTECT	STONE RIPRAP CLA A 4	FILTER FABRIC
			(SQ YD)	(POUND)	(FOOT)	(FOOT)	(EACH)	(SQ YD)	(SQ YD)
269+03	272+67	RT	1118	25		350			
269+03	280+69	LT	2169	25	20	450			
269+03	324+00	LT/RT					127		
273+14	279+40	RT	1863	50					
276+66	289+05	LT			20	80			
279+40	281+50	RT	2203	25	30			77	77
280+66	289+05	LT	1321	25					
280+70	282+50	RT	441	25					
282+00	287+10	RT	945	25		450		35	35
288+50	295+18	RT	534	25	70	175		6	6
289+25	296+09	LT	849	50	30	425			
296+47	307+10	LT	856	50		560		36	36
298+50	307+38	RT	1011	25		950			
302+50	307+38	RT						56	56
307+54	313+50	RT	1254	25		220		42	42
308+25	314+00	LT	2187	25		190		17	17
313+80	324+00	RT	1945	50		950		58	58
316+30	324+00	LT	1003	25				6	6
TOTAL			19,699	475	170	4,800	127	333	333

SIDEWALK SCHEDULE

STATION	STATION	OFFSET	PROTECTIVE COAT (* PARTIAL AMOUNT)	PC CONC SIDEWALK 4	DETECTABLE WARNINGS	SIDEWALK REM
			(SQ YD)	(SQ FT)	(SQ FT)	(SQ FT)
LAKE LUCERNE						
10+62	10+75	LT				58
10+62	10+87	RT				109
CASCADE LAKE						
10+42	11+15	LT	32	290	14	284
10+42	11+15	RT	33	295	12	292
TOTAL			65	585	26	743

MODEL: Schedule-shr1_1 [Sheet]
FILE NAME: H:\P2223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\D8223103-shr1-schedule.dgn



USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/19/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

SCHEDULE OF QUANTITIES

SCALE:	SHEET 1	OF 3	SHEETS	STA.	TO STA.
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	16
CONTRACT NO. 97873				
ILLINOIS FED.AID PROJECT				

16-00333-17-PW

CURB & GUTTER SCHEDULE

STATION	STATION	OFFSET	PROTECTIVE COAT (*PARTIAL AMOUNT) (SQ YD)	GUTTER REM (FOOT)	COMB CURB GUTTER REM (FOOT)	COMB CC&G TY B-6.24 (FOOT)	CONC GUTTER SPL (FOOT)
N GREEN MOUNT ROAD							
269+03	324+00	LT/RT	3512				
269+03	279+35.	LT				820	
269+03	279+35.	RT				946	
279+35.	287+75.	LT		285		716	
279+35.	287+75.	RT				788	16
287+75.	298+02.	LT				915	
287+75.	298+02.	RT				821	
298+02.	308+20.	LT				1,144	
298+02.	308+20.	RT				978	
308+20.	315+56.	LT		350		612	15
308+20.	315+56.	RT		209		737	
315+56.	322+12.	LT		527		527	
315+56.	322+12.	RT				655	
322+12.	324+00	LT		151		142	
322+12.	324+00	RT				188	
PIPER HILLS							
10+33.	10+53.	LT			50	56	
10+33.	10+53.	RT			37	33	
GOLDEN SPRING							
10+32.	11+14.	LT			90	132	
10+32.	11+14.	RT			105	96	
GREYSTONE ESTATES							
8+94.	9+66.	LT			98	118	
8+94.	9+66.	RT			83	87	
CATON RUN							
10+27.	10+49	LT			10	32	
10+27.	10+49	RT			10	32	
WESTINGHOUSE							
10+38.	11+17.	LT			107	117	
10+38.	11+17.	RT			95	93	
LAKE LUCERNE							
10+33.	11+00	LT			86	98	
10+33.	11+00	RT			89	84	
CASCADE LAKE							
10+33.	11+15	LT			117	129	
10+33.	11+15	RT			103	97	
ENTRANCES							
	272+87.	LT				64	
	272+87.	RT				60	
	276+08.	LT				64	
	291+63.	RT				65	
	296+28.	LT				29	
TOTAL			3,512	1,522	1,080	11,475	31

STAGING SCHEDULE

STATION	STATION	OFFSET	AGG BASE CSE B 4 (* PARTIAL AMOUNT) (SQ YD)	BIT MATLS PR CT (* PARTIAL AMOUNT) (POUND)	BIT MATLS TACK CT (POUND)	HMA SC IL-9.5 C N70 (TON)	TEMP SOIL RETEN SYSTM (SQ FT)	TEMP RAIS REF PVT MKR (EACH)	TEMP CONC BARRIER (FOOT)	PIN TEMP CONC BARRIER (EACH)	IMP ATTN REL NRD TL3 (EACH)	FLEX DELINEATORS (EACH)
269+03	324+00	LT/RT						552				
267+65	269+03	RT	94	212	43	27						
269+49	274+70	LT										13
276+00	279+00	LT/RT					800		300	132	2	
315+80	324+00	RT										16
324+00	328+50	RT	627	1412	283	193						
TOTAL			721	1624	326	220	800	552	300	132	2	29

DRAINAGE ITEMS SCHEDULE

STATION	STATION	OFFSET	TRENCH BACKFILL (* PARTIAL AMOUNT) (CU YD)	BOX CUL END SEC C1 (EACH)	BOX CUL END SEC C2 (EACH)	BOX CUL END SEC C3 (EACH)	BOX CUL END SEC C4 (EACH)	PCBC 6X3 (FOOT)	PCBC 7X4 (FOOT)	PCBC 10X2 (FOOT)	PCBC 10X4 (FOOT)	CONCRETE COLLAR (CU YD)	INLET BOX SPL (EACH)
N GREEN MOUNT ROAD													
	280+66	RT	10	1						13		1.1	
	282+66	RT											
	302+67	RT	27		2				16			2.0	
	310+25	LT	18			1					12	1.3	
	314+98	LT										0.6	
	319+00	LT						5				1.0	1
	319+00	RT	4				1	11				1.0	
	322+53	LT											
	323+26	LT										0.5	
TOTAL			59	1	2	1	1	16	16	13	12	7.5	1

PAVEMENT SCHEDULE

STATION	STATION	OFFSET	AGG BASE CSE A 12 (SQ YD)	PCC PVT 9 JOINTED (SQ YD)	PROTECTIVE COAT (SQ YD)	PAVEMENT REM (SQ YD)	PAVED SHLD REMOVAL (SQ YD)	CL B PATCH T2 9 (SQ YD)	CL B PATCH T4 9 (SQ YD)	DRILL- GROUT #6 T-BAR (EACH)
269+03	279+35	LT	1913	1502	1502		697	13	194	344
269+03	279+35	RT	1925	1515	1515		908	13	184	344
279+35	287+75	LT	1451	1116	1116		733			280
279+35	287+73	RT	1420	1086	1086		878			279
287+75	301+49	LT	1591	1181	1181		1536			342
287+73	298+02	RT	1901	1491	1491		600			343
298+02	308+20	LT	1734	1327	1327		691			339
298+02	308+20	RT	1762	1356	1356	93	557			339
308+20	315+56	LT	1482	1189	1189		531			245
308+20	315+56	RT	1528	1235	1235		474			245
315+56	322+12	LT	1578	1317	1317		435			219
315+56	322+12	RT	1562	1301	1301		367			219
322+12	324+00	LT	460	385	385		121			63
322+12	324+00	RT	453	378	378		107			63
PIPER HILLS										
10+33	10+53	LT/RT	120	127	127	257				
GREYSTONE DR										
9+66	8+94	LT/RT	440	413	413	577				
GOLDENSPRING DR										
10+32	11+14	LT/RT	468	436	436	532				
CATON RUN CROSSING										
10+27	10+49	LT/RT	134	145	145	271				
WESTINGHOUSE DR										
10+38	11+17	LT/RT	509	480	480	565				
LAKE LUCERNE										
10+33	11+00	LT/RT	369	343	343	410				
CASCADE LAKE										
10+33	11+15	LT/RT	429	391	391	492				
TOTAL			23,229	18,714	18,714	3,197	8,635	26	378	3,664

GUARDRAIL SCHEDULE

STATION	STATION	OFFSET	SPBGR TY A 6FT POSTS (FOOT)	TRAF BAR TERM T2 (EACH)	TR BAR TRM T1 SPL T AN (EACH)	GUARDRAIL REMOV (FOOT)
292+79	297+77	RT	425.00	1	1	351
298+22	299+23	RT	62.50	2		79
TOTAL			487.50	3	1	430

MODEL: Schedule - 2 [Sheet]
FILE NAME: H:\P\223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\223103-shl-schedule.dgn



USER NAME = roshan.pokhrel
PLOT DATE = 6/19/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

SCHEDULE OF QUANTITIES

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	17
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE

STATION	STATION	OFFSET	SHORT TERM PAVT MKING	SHTR TRM PAVT MK REM	TMP PVT MK L&S PNT	TEMP PVT MK L 4 PNT	TEMP PVT MK L 12 PNT	TEMP PVT MK L 24 PNT	PREF THPL PM LTR-SYM	PREF THPL PM LINE 4	PREF THPL PM LINE 12	PREF THPL PM LINE 24	RAISED REFL PAVT MKR	RAISED REF PVT MK REM	PAVMT MRKG REM WTR BL
			(FOOT)	(SQ FT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(SQ FT)
269+03	279+35	LT	265	88	56	1906			56	1906					
269+03	279+35	RT	265	88	18	1073			18	1073					
269+03	279+35	CL			187	736	44		187	736	44				
269+03	329+00												556	414	22148
279+35	287+75	LT	217	73	16	1330			16	1330					
279+35	287+75	RT	217	73	16	1045			16	1045					
279+35	287+75	CL			125		47	39	125		47	39			
287+75	298+02	LT	265	88		1297				1297					
287+75	298+02	RT	265	88		1590				1590					
287+75	298+02	CL			156		63	38	156		63	38			
298+02	308+20	LT	262	87	16	1486			16	1486					
298+02	308+20	RT	262	87		1486				1486					
298+02	308+20	CL			157		47		157		47				
308+20	315+56	LT	189	62		1230				1230					
308+20	315+56	RT	189	62	12	922			12	922					
308+20	315+56	CL			125		218		125		218				
315+56	322+12	LT	169	56		1079				1079					
315+56	322+12	RT	169	56	12	1298			12	1298					
315+56	322+12	CL			94		68	36	94		68	36			
322+12	324+00	LT	50	17		461				461					
322+12	324+00	RT	50	17		518				518					
322+12	329+00	CL				1538		29		1538		29			
Piper Hills															
10+33	10+53	LT/RT						19				19			
Greystone															
9+66	8+94	LT/RT				159		35		159		35			
GoldenSpri															
10+32	11+14	LT/RT				174		33		174		33			
Caton Run															
10+27	10+49	LT/RT				30		18		30		18			
Westinghouse															
10+38	11+17	LT/RT				154		31		154		31			
Lake Lucerne															
10+33	11+00	LT/RT						10				10			
Cascade LK															
10+33	11+15	LT/RT				120	94	18		120	94	18			
Entrances															
	272+87	LT				30				30					
	272+87	RT				72		35		72		35			
	276+08	LT				32				32					
SUBTOTAL			2,834	942	990	19,766	581	341	990	19,766	581	341	556	414	22,148
TOTAL			2,834	942	990	19,766	581	341	990	19,766	581	341	556	414	22,148

SIGN SCHEDULE

STATION	DESCRIPTION	OFFSET	W	X	H	SIGN PANEL T1	SIGN PANEL T2	REMOV SIN PAN ASSY TA	REMOV SIN PAN ASSY TB	TELES STL SIN SUPPORT
			(IN)	(IN)		(SQ FT)	(SQ FT)	(EACH)	(EACH)	(FOOT)
270+00	Center Lane	RT	24	36		6				16
271+00	Speed Limit	RT	30	36		8				16
275+67	LANE ENDS RT SYMBOL	LT	36	36		9		1		16
275+86	Stop	LT	30	30		7			1	16
279+08	Stop	LT	30	30		7				17
	Piper Hills Dr.		36	12		3		1		
279+90	LANE ENDS RIGHT	LT	36	36		9				18
	500 FEET	LT	24	18		3	12.5			
287+98		RT						1		
288+18		LT						1		
280+87	Signal ahead	RT	30	30		7	12.5			16
285+00	Speed Limit	LT	30	36		8				16
287+22	Left Turn Yield	LT	30	36		8		1		
288+27	Left Turn Yield	RT	30	36		8		1		
290+00	Speed Limit	RT	30	36		8		1		16
292+00	Center Lane	RT	24	36		6		1		16
301+30		RT						1		
297+67	Caton Run Cr	RT	30	12		3				14
298+31	Stop	RT	30	30		7				16
299+47	Signal ahead	LT	30	30		7				16
301+69		RT						1		
301+49	Object Marker	RT	18		18	3		1		15
301+49	ROAD ENDS	RT	36		30	8		1		16
301+49	Object Marker	RT	18		18	3		1		15
302+47	Speed Limit	RT	30		36	8		1		16
303+19	Center Lane	LT	24		36	6		1		16
306+18	Speed Limit	LT	30		36	8				16
307+76	Westinghouse Dr	LT	36		12	3				14
315+18		LT						1		
315+25		LT						1		
307+90	Stop	LT	30		30	7				16
309+00	CENTER LANE	RT	24		36	6				16
312+63	LANE ENDS RIGHT	RT	36		36					18
	500 FEET	RT	24		18	12				
314+98	N Green Mount Rd	LT	36		12	3				15
	Lake Lucerne Dr		36		12	3				
321+72		LT						1		
321+86		LT						1		
315+27	Stop	LT	30		30	7				16
315+50	LANE ENDS RT SYMBOL	RT	36		36	9				16
316+65	Signal Ahead	RT	30		30	7				16
318+00	SPEED LIMIT	LT	30		36	8				16
319+06	Center Lane	LT	24		36	6				16
321+81	Cascade Lake Dr	LT	54		18	7				
322+07	N Green Mount Rd	RT	48		18	6				
322+54	Left Turn Yield	RT	30		36	8				
322+54	Cascade Lake Dr	RT	54		18	7				
TOTAL						249	25	19	1	462

MODEL: Schedule - 3 [Sheet]
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\08223103-sht-schedule.dgn



USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/19/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

SCHEDULE OF QUANTITIES

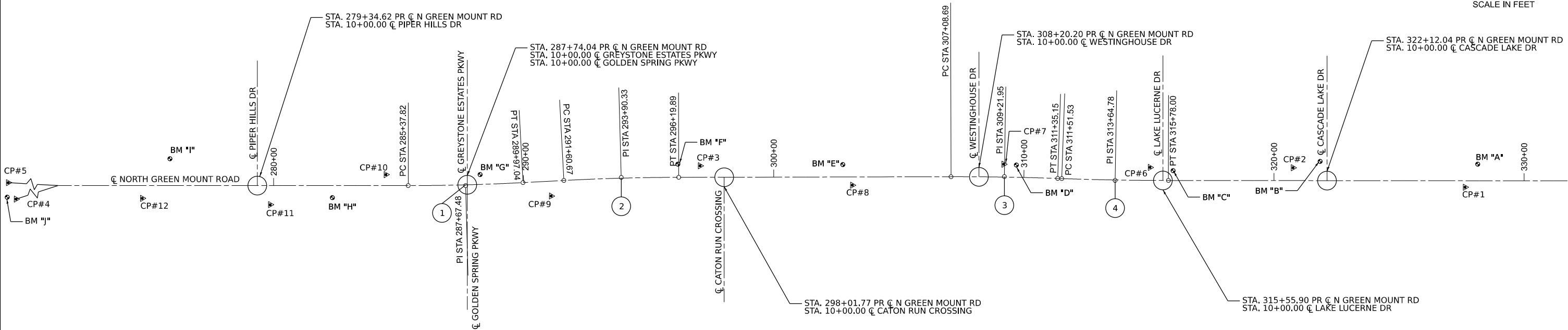
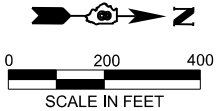
SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	18
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

NOTE:
NORTHING AND EASTING COORDINATES FOR ALIGNMENTS SHOWN IN THE TABLE.

HORIZONTAL CURVE DATA

1	EX CURVE PI STA = 287+67.48 Δ = 03°00'00" (LT) D = 00°39'12" R = 8,770.30' T = 229.66' L = 459.21' E = 3.01' PC STA = 285+37.82 PT STA = 289+97.04	2	EX CURVE PI STA = 293+90.33 Δ = 02°52'27" (RT) D = 00°37'33" R = 9,154.75' T = 229.66' L = 459.22' E = 2.88' PC STA = 291+60.67 PT STA = 296+19.89	3	EX CURVE PI STA = 309+21.95 Δ = 02°06'22" (RT) D = 00°29'38" R = 11,601.97' T = 213.25' L = 426.46' E = 1.96' PC STA = 307+08.69 PT STA = 311+35.15	4	EX CURVE PI STA = 313+64.78 Δ = 01°55'40" (LT) D = 00°27'07" R = 12,675.49' T = 213.25' L = 426.47' E = 1.79' PC STA = 311+51.53 PT STA = 315+78.00
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NOTE:
NORTHING AND EASTING COORDINATES FOR ALIGNMENTS SHOWN IN THE TABLE.

DESCRIPTION	NORTHING	EASTING
NORTH GREEN MOUNT ROAD		
POT STA 266+57.29	685,948.04	2,364,743.72
PC STA 285+37.82	687,828.53	2,364,732.41
PI STA 287+67.48	688,058.19	2,364,731.03
PT STA 289+97.04	688,287.45	2,364,717.64
PC STA 291+60.67	688,450.81	2,364,708.09
PI STA 293+90.33	688,680.08	2,364,694.69
PT STA 296+19.89	688,909.73	2,364,692.80
PC STA 307+08.69	689,998.49	2,364,683.86
PI STA 309+21.95	690,211.74	2,364,682.11
PT STA 311+35.15	690,424.91	2,364,688.20
PC STA 311+51.53	690,441.28	2,364,688.67
PI STA 313+64.78	690,654.44	2,364,694.75
PT STA 315+78.00	690,867.70	2,364,693.66
PI STA 338+14.01	693,103.68	2,364,682.26
POT STA 340+82.80	693,372.47	2,364,683.36

DESCRIPTION	NORTHING	EASTING
PIPER HILLS DR		
POT STA 10+00.00	687,225.36	2,364,736.04
POT STA 12+00.22	687,224.87	2,364,535.82

DESCRIPTION	NORTHING	EASTING
GREYSTONE ESTATES PKWY		
POT STA 7+10.47	688,067.68	2,364,438.31
PI STA 8+02.13	688,065.53	2,364,529.95
PI STA 10+00.00	688,064.70	2,364,727.81
PC STA 11+61.12	688,064.02	2,364,888.93
PI STA 12+04.43	688,063.00	2,364,932.23
POT STA 12+47.53	688,054.47	2,364,974.70

DESCRIPTION	NORTHING	EASTING
CATON RUN CROSSING		
POT STA 9+99.77	689,091.60	2,364,691.31
POT STA 12+88.70	689,093.97	2,364,980.22

DESCRIPTION	NORTHING	EASTING
WESTINGHOUSE DR		
POT STA 10+00.00	690,110.00	2,364,683.48
PC STA 11+65.79	690,110.23	2,364,517.69
PI STA 12+30.66	690,110.32	2,364,452.83
POT STA 12+94.03	690,133.96	2,364,392.42

DESCRIPTION	NORTHING	EASTING
LAKE LUCERNE DR		
POT STA 10+00.00	690,845.60	2,364,693.76
POT STA 13+24.80	690,833.37	2,364,369.19

DESCRIPTION	NORTHING	EASTING
CASCADE LAKE DR		
POT STA 10+00.00	691,501.73	2,364,690.43
POT STA 13+07.52	691,500.16	2,364,382.92

BENCHMARK INFO			
BENCHMARK	STATION	O/S	ELEV
BM A	328+14.41	66.31 LT	536.058
BM B	321+84.22	76.90 LT	538.889
BM C	315+96.55	39.43 LT	542.691
BM D	309+68.91	49.35 LT	536.717
BM E	302+76.10	49.38 LT	534.497
BM F	296+16.67	52.89 LT	537.459
BM G	288+26.52	39.20 LT	544.442
BM H	282+34.62	48.32 RT	545.928
BM I	275+85.30	107.50 LT	551.196
BM J	269+34.55	46.36 RT	555.894

MODEL: ATB final sheet [Sheet]
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USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/19/2025	DATE -	REVISED -

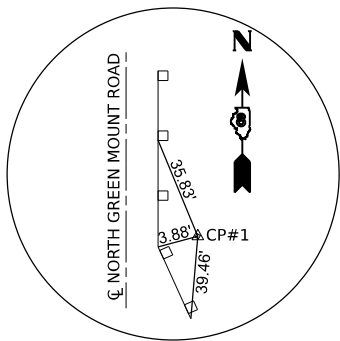


ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

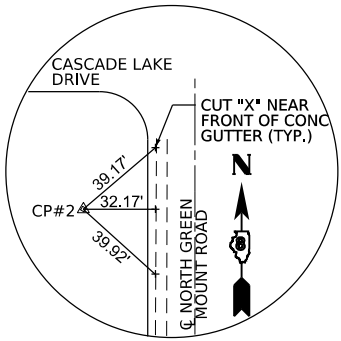
ALIGNMENT, TIE, AND BENCHMARK SHEET

SCALE:	SHEET 1	OF 2	SHEETS	STA.	TO STA.
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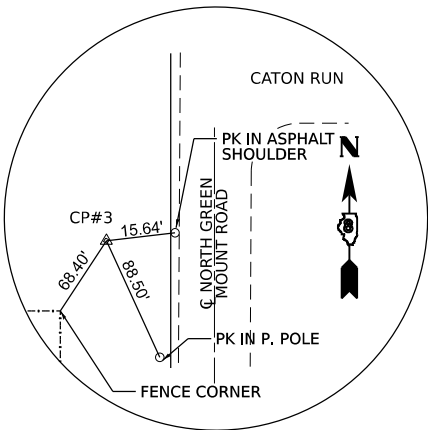
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	19
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				



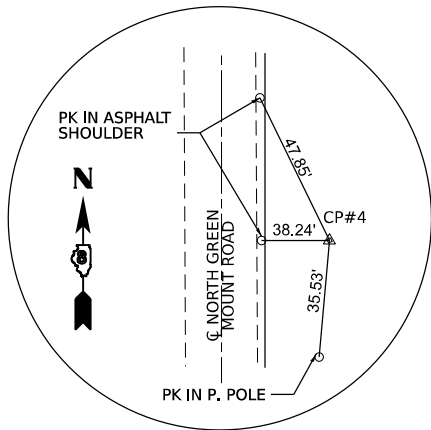
CP#1 – STA 327+63.83; 25.90' RT
1 BAR W/CAP SET FLUSH
ELEVATION: 533.307



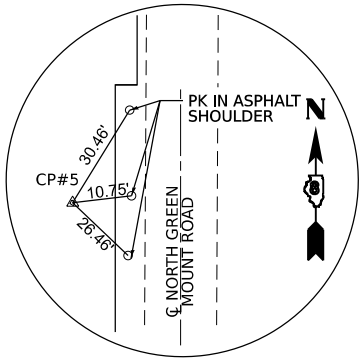
CP#2 – STA 320+76.07; 51.65' LT
1 BAR W/CAP SET FLUSH
ELEVATION: 542.944



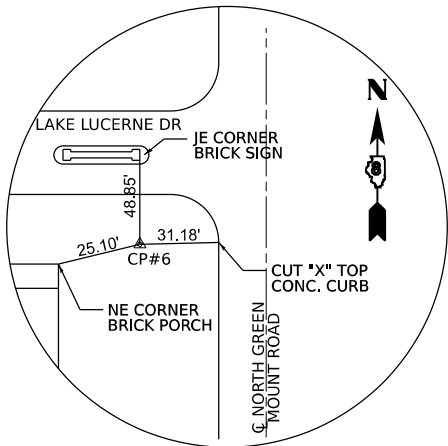
CP#3 – STA 297+05.48; 46.16' LT
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ELEVATION: 535.693



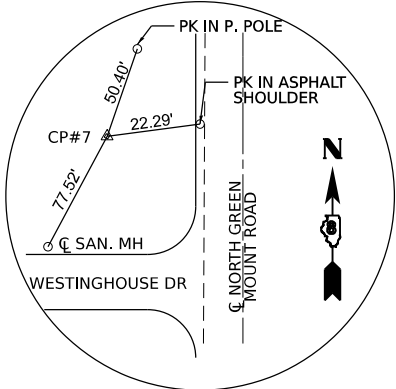
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ELEVATION: 552.958



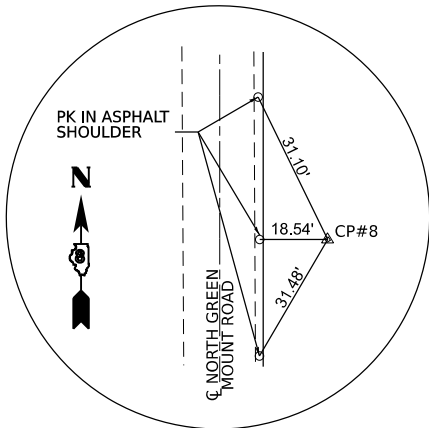
CP#5 – STA 262+61.94; 37.82' LT
1 BAR W/CAP SET FLUSH
ELEVATION: 587.45



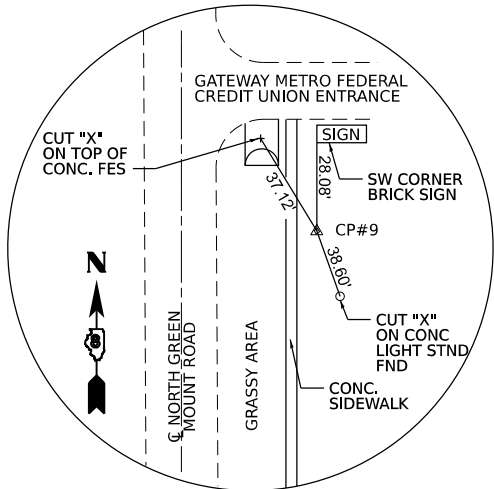
CP#6 – STA 315+03.90; 51.82' LT
1 BAR W/CAP SET FLUSH
ELEVATION: 542.395



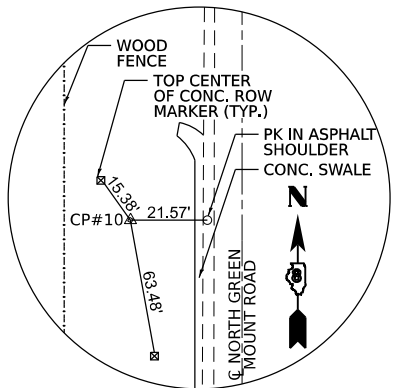
CP#7 – STA 309+18.44; 51.46' LT
1 BAR W/CAP SET FLUSH
ELEVATION: 536.753



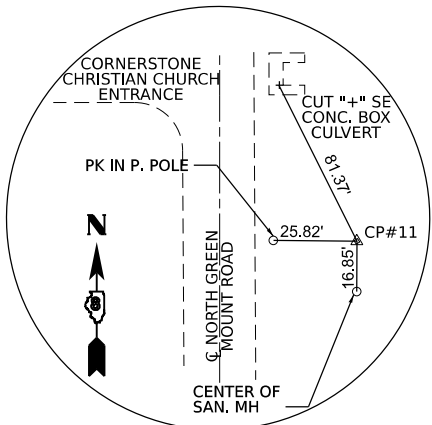
CP#8 – STA 303+13.94; 32.97' RT
1 BAR W/CAP SET FLUSH
ELEVATION: 533.260



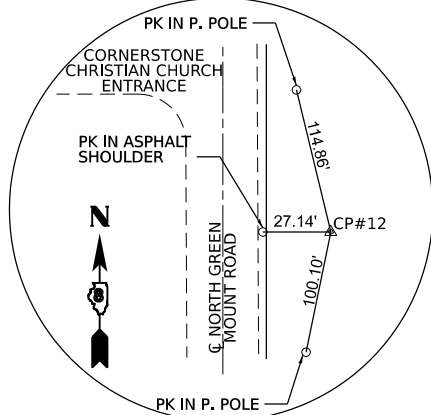
CP#9 – STA 291+06.67; 59.53' RT
1 BAR W/CAP SET FLUSH
ELEVATION: 541.698



CP#10 – STA 284+48.48; 44.00' LT
1 BAR W/CAP SET FLUSH
ELEVATION: 548.736



CP#11 – STA 279+86.51; 76.47' RT
1 BAR W/CAP SET FLUSH
ELEVATION: 547.121



CP#12 – STA 274+74.75; 51.05' RT
1 BAR W/CAP SET FLUSH
ELEVATION: 547.667

MODEL: ATB SHT 2 (Sheet)
 FILE NAME: H:\2223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\2223103-sht-ATB.dgn



USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/19/2025	DATE -	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

ALIGNMENT, TIE, AND BENCHMARK SHEET			
SCALE:	SHEET 2	OF 2	SHEETS
	STA.		TO STA.

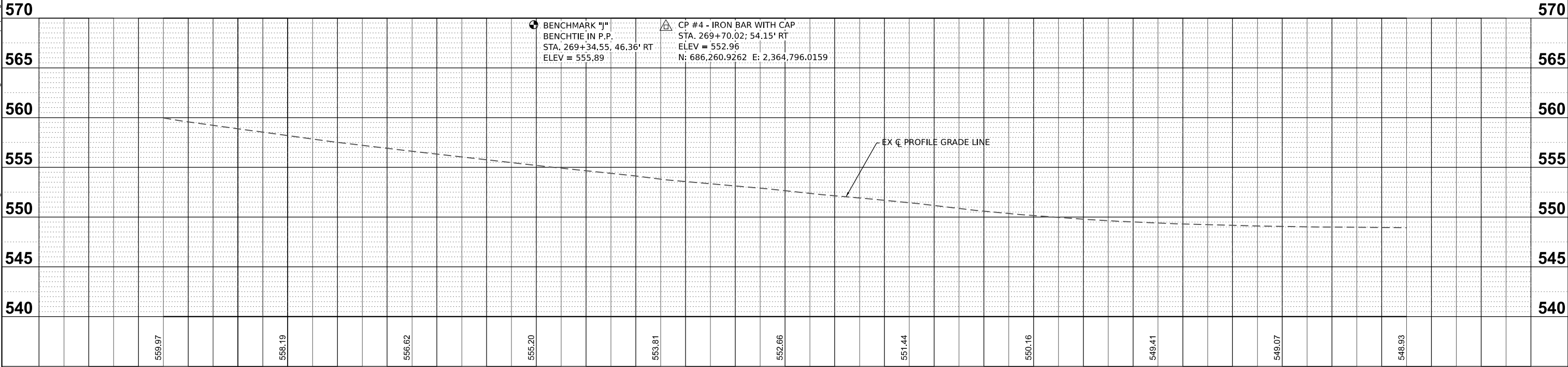
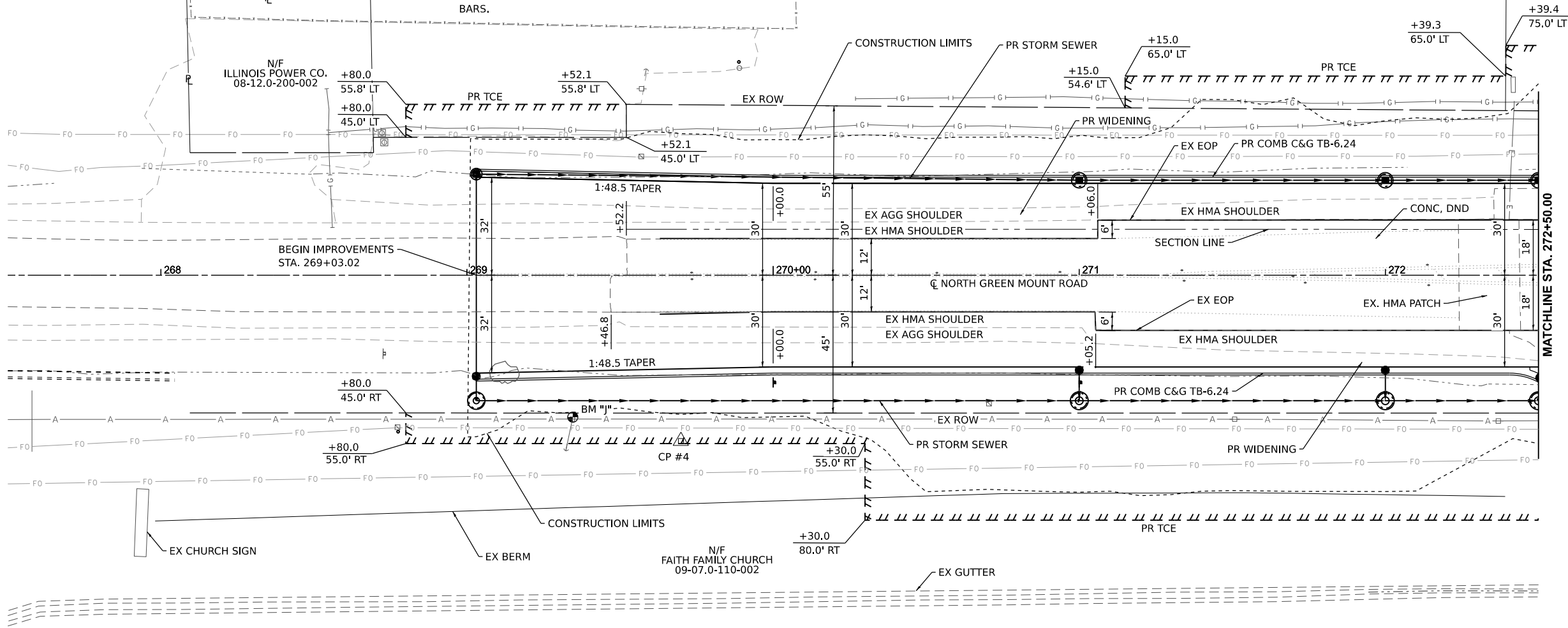
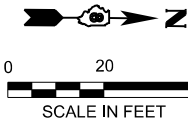
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	20
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

NOTES:

1. WHEN WIDENING IS PLACED ADJACENT TO EXISTING PCC PAVEMENT, USE A SPACING BETWEEN 12' AND 18' SO THE JOINTS ARE IN PROLONGATION WITH EXISTING TRANSVERSE JOINTS. ALSO ADJUST THE SPACING OF TIE BARS IN THE LONGITUDINAL JOINT(S) TO MAINTAIN A CLEARANCE OF 9 INCHES FROM THE END OF THE DOWEL BARS.

N/F
LEBANON RD DEVELOPMENT LLC
08-12.0-200-028



USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/20/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

PLAN AND PROFILE SHEETS

SCALE: 1" = 20' SHEET 1 OF 12 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	21
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

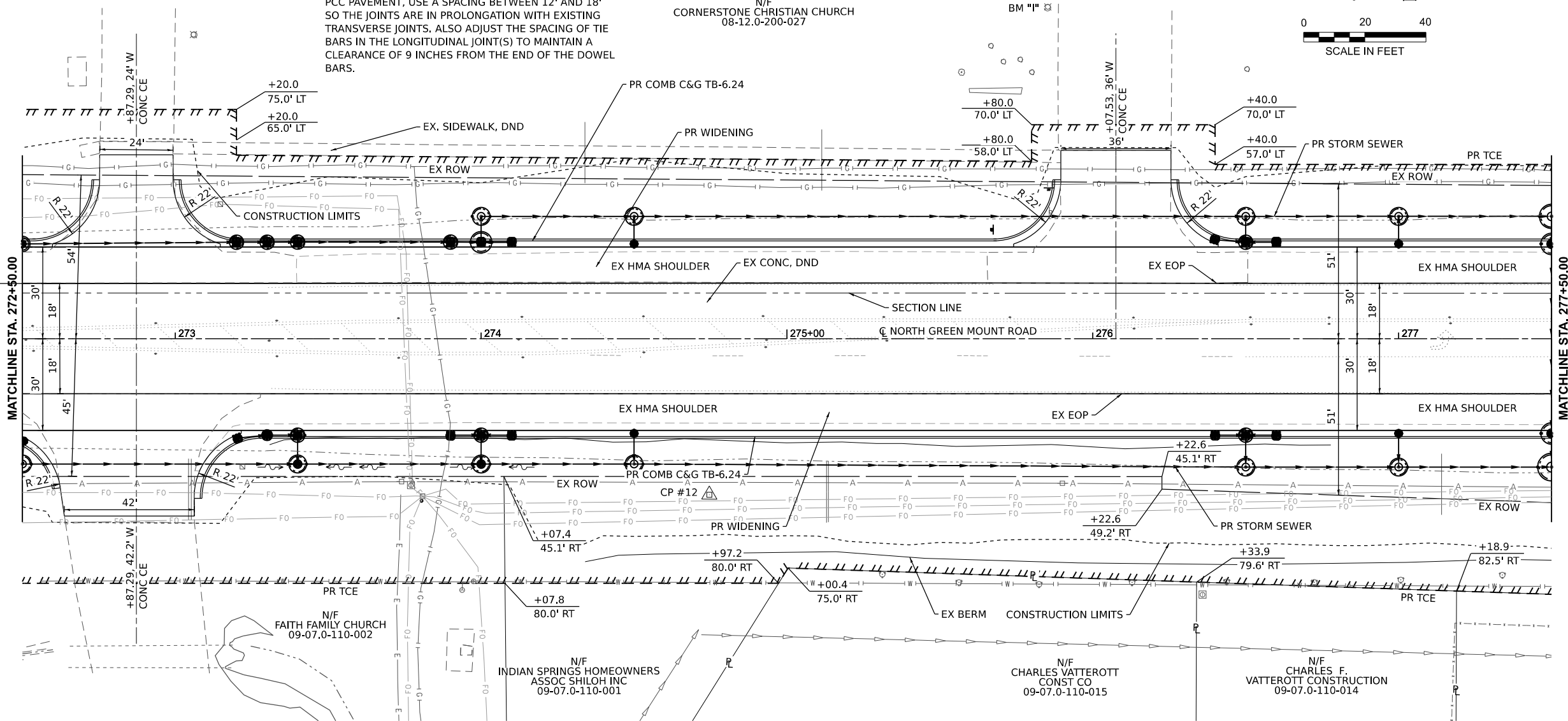
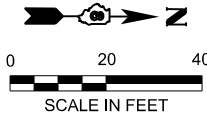
16-00333-17-PW

NOTES:

1. WHEN WIDENING IS PLACED ADJACENT TO EXISTING PCC PAVEMENT, USE A SPACING BETWEEN 12' AND 18' SO THE JOINTS ARE IN PROLONGATION WITH EXISTING TRANSVERSE JOINTS. ALSO ADJUST THE SPACING OF TIE BARS IN THE LONGITUDINAL JOINT(S) TO MAINTAIN A CLEARANCE OF 9 INCHES FROM THE END OF THE DOWEL BARS.

N/F
CORNERSTONE CHRISTIAN CHURCH
08-12.0-200-027

BM "I"

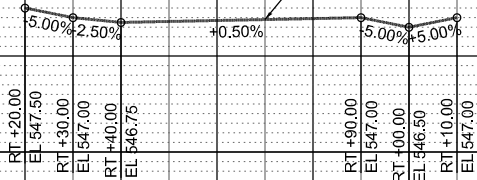


CP #12 - IRON BAR WITH CAP
STA. 274+74.75; 51.05' RT
ELEV = 547.67
N: 686,765.6322 E: 2,364,789.8803

BENCHMARK "I"
CUT "I" ON LIGHT STANDARD BASE
STA. 275+85.30, 107.50' LT
ELEV = 551.20

EX C PROFILE GRADE LINE

PR DITCH SPECIAL (RT)



548.93

548.74

548.71

548.73

549.12

549.61

549.79

549.72

549.70

549.78

549.91

272+50

273+00

273+50

274+00

274+50

275+00

275+50

276+00

276+50

277+00

277+50



USER NAME = ryne.wirtjes
DESIGNED -
DRAWN -
CHECKED -
PLOT DATE = 7/21/2025
DATE -

REVISD -
REVISD -
REVISD -
REVISD -



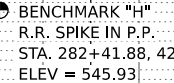
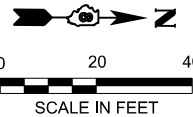
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

PLAN AND PROFILE SHEETS

SCALE: 1" = 20' SHEET 2 OF 12 SHEETS STA. TO STA.

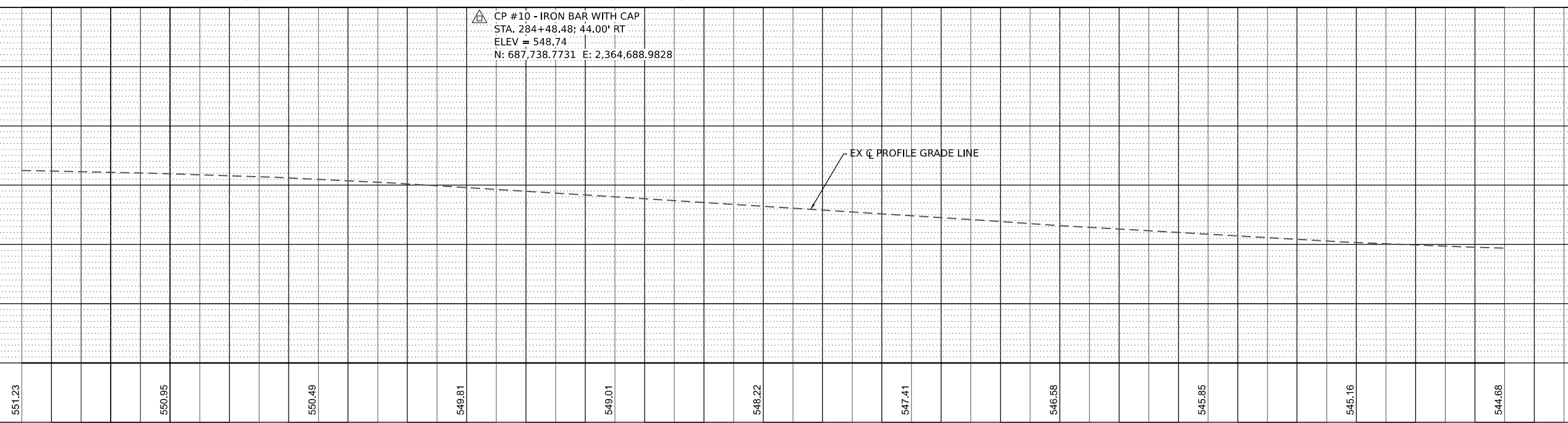
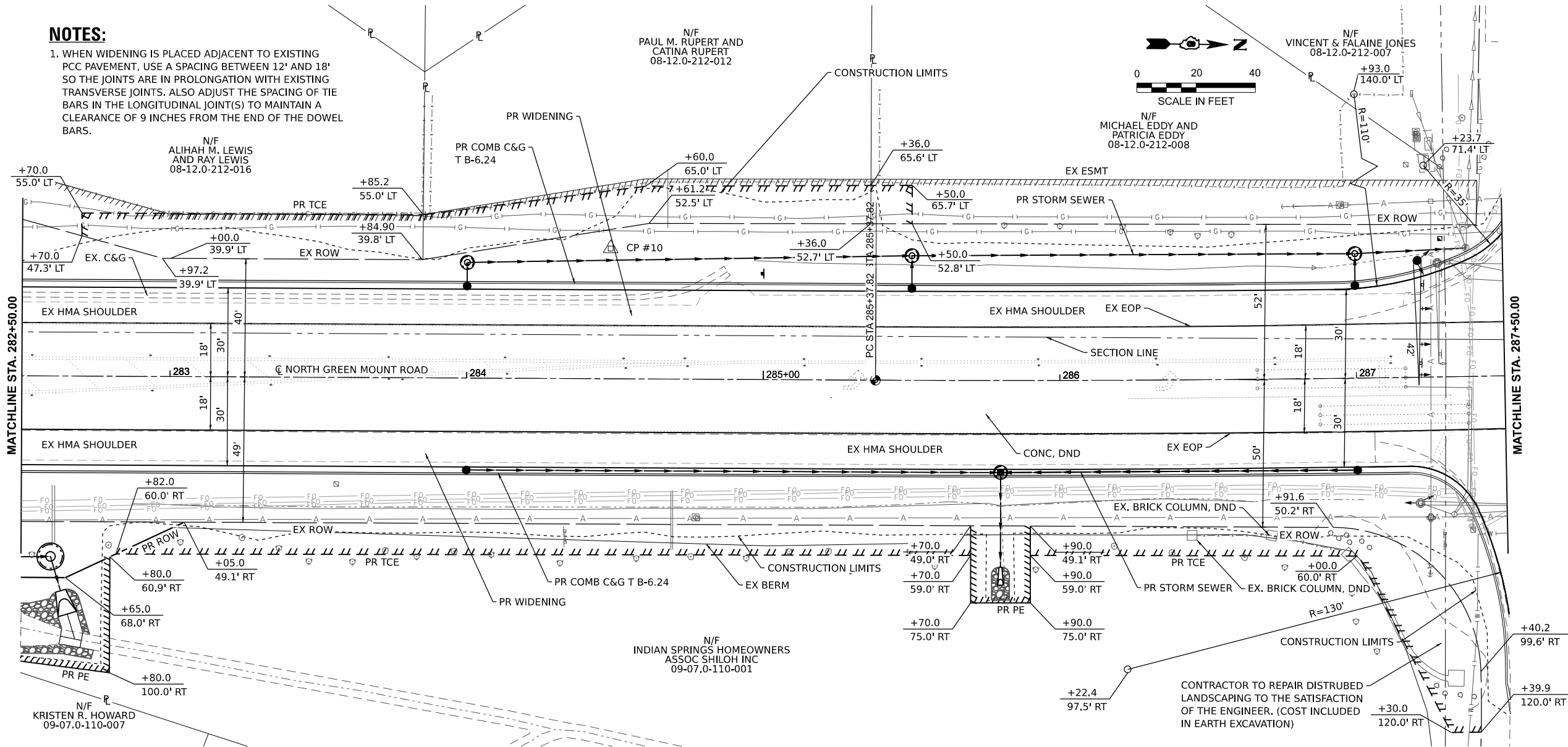
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	22
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



NOTES:

1. WHEN WIDENING IS PLACED ADJACENT TO EXISTING PCC PAVEMENT, USE A SPACING BETWEEN 12' AND 18' SO THE JOINTS ARE IN PROLONGATION WITH EXISTING TRANSVERSE JOINTS. ALSO ADJUST THE SPACING OF TIE BARS IN THE LONGITUDINAL JOINT(S) TO MAINTAIN A CLEARANCE OF 9 INCHES FROM THE END OF THE DOWEL BARS.



MODEL: Ex GrnMnt - Plan 4 (Sheet)
FILE NAME: H:\P\223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\223103-sht-4.dgn



USER NAME	= kaia.morena
PLOT DATE	= 7/15/2025

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

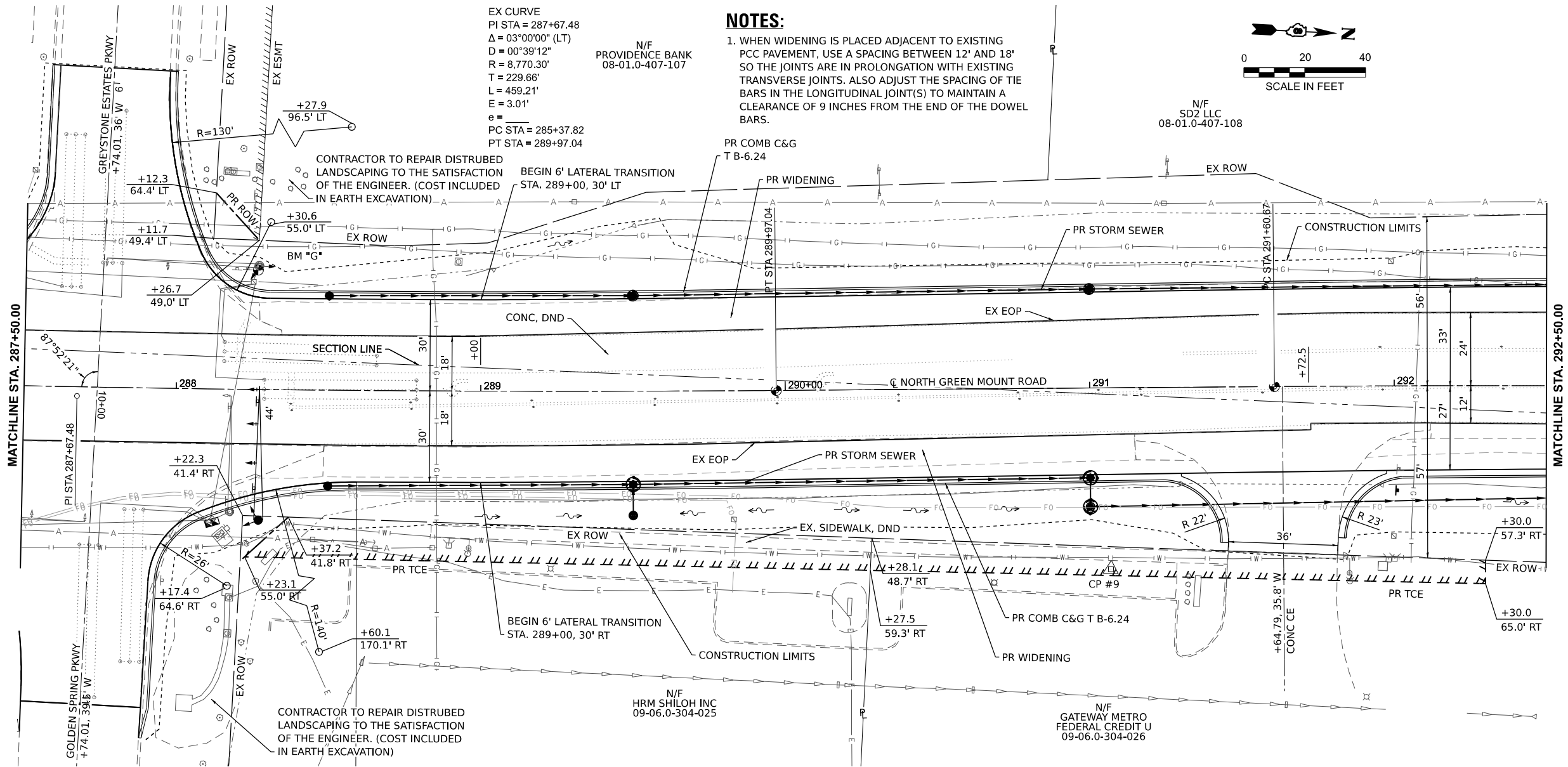
PLAN AND PROFILE SHEETS

SCALE: 1" = 20' SHEET 4 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	24
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

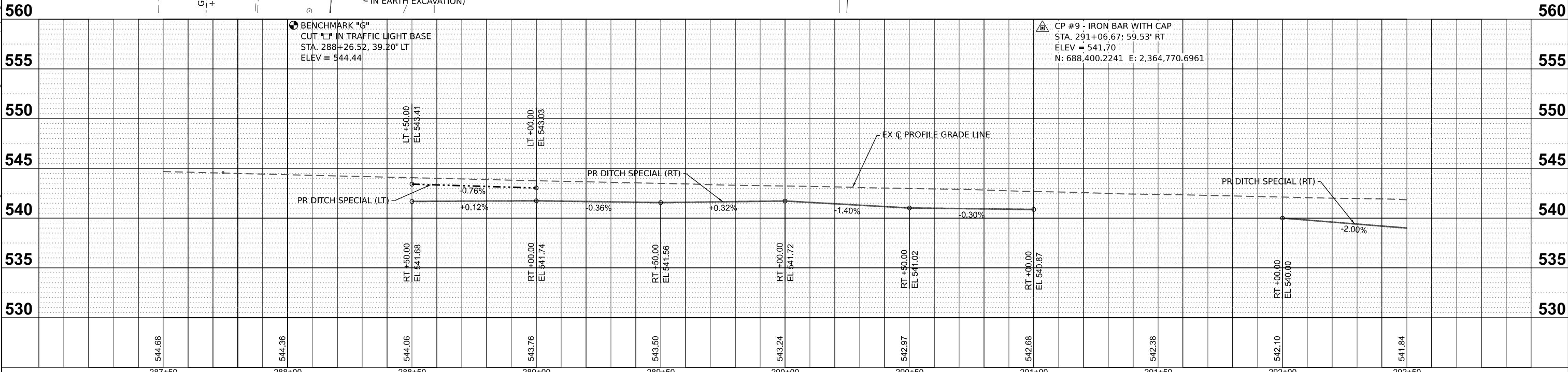
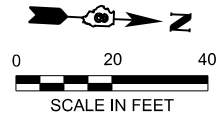
16-00333-17-PW

MODEL: Ex_GmMnt - Plan 5 (Sheet)
FILE NAME: H:\P\223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\08223103-shp-dmpt.dgn



NOTES:

1. WHEN WIDENING IS PLACED ADJACENT TO EXISTING PCC PAVEMENT, USE A SPACING BETWEEN 12' AND 18' SO THE JOINTS ARE IN PROLONGATION WITH EXISTING TRANSVERSE JOINTS. ALSO ADJUST THE SPACING OF THE BARS IN THE LONGITUDINAL JOINT(S) TO MAINTAIN A CLEARANCE OF 9 INCHES FROM THE END OF THE DOWEL BARS.



USER NAME = ryne.wirtjes
PLOT DATE = 7/21/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -



**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

PLAN AND PROFILE SHEETS

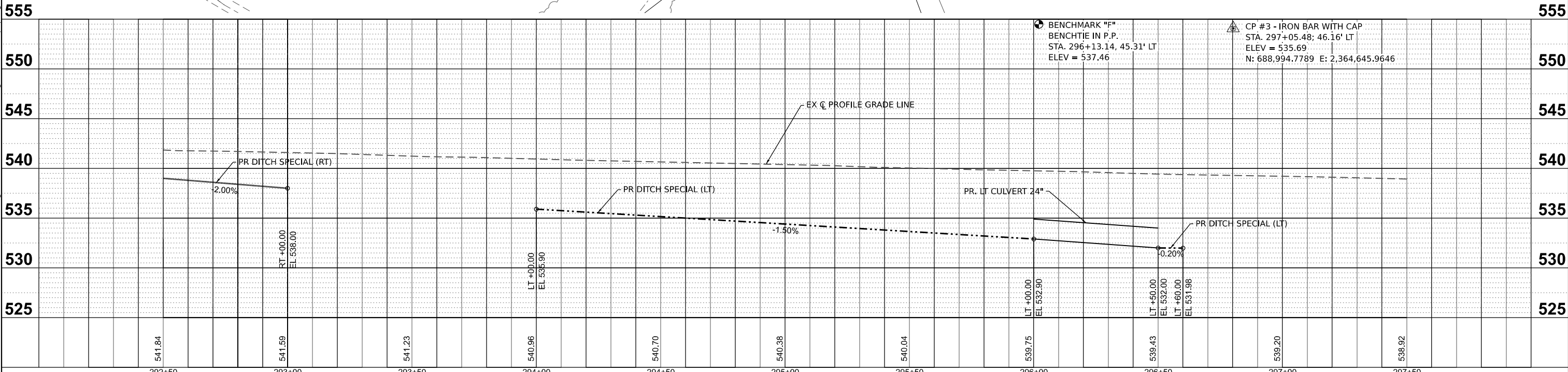
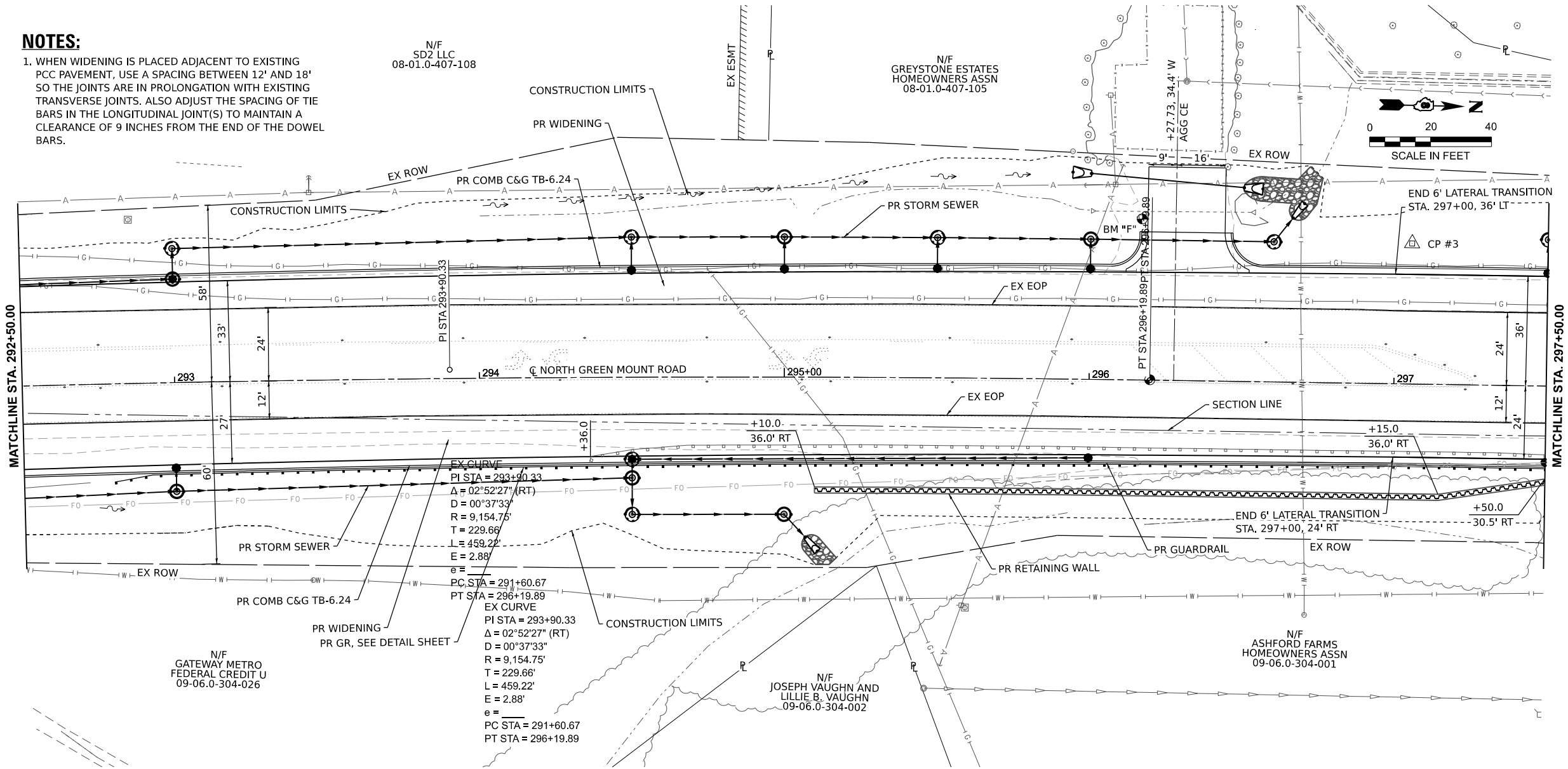
SCALE: 1" = 20' SHEET 5 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	25
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

NOTES:

1. WHEN WIDENING IS PLACED ADJACENT TO EXISTING PCC PAVEMENT, USE A SPACING BETWEEN 12' AND 18' SO THE JOINTS ARE IN PROLONGATION WITH EXISTING TRANSVERSE JOINTS. ALSO ADJUST THE SPACING OF TIE BARS IN THE LONGITUDINAL JOINT(S) TO MAINTAIN A CLEARANCE OF 9 INCHES FROM THE END OF THE DOWEL BARS.



MODEL: Ex_GmMnt - Plan 6 (Sheet)
FILE NAME: H:\P\23103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\23103-shp-dmpt.dgn



USER NAME = kaia.morena
DESIGNED -
DRAWN -
CHECKED -
PLOT DATE = 7/31/2025

REVISD -
REVISED -
REVISED -
REVISED -

REVISD -
REVISED -
REVISED -
REVISED -



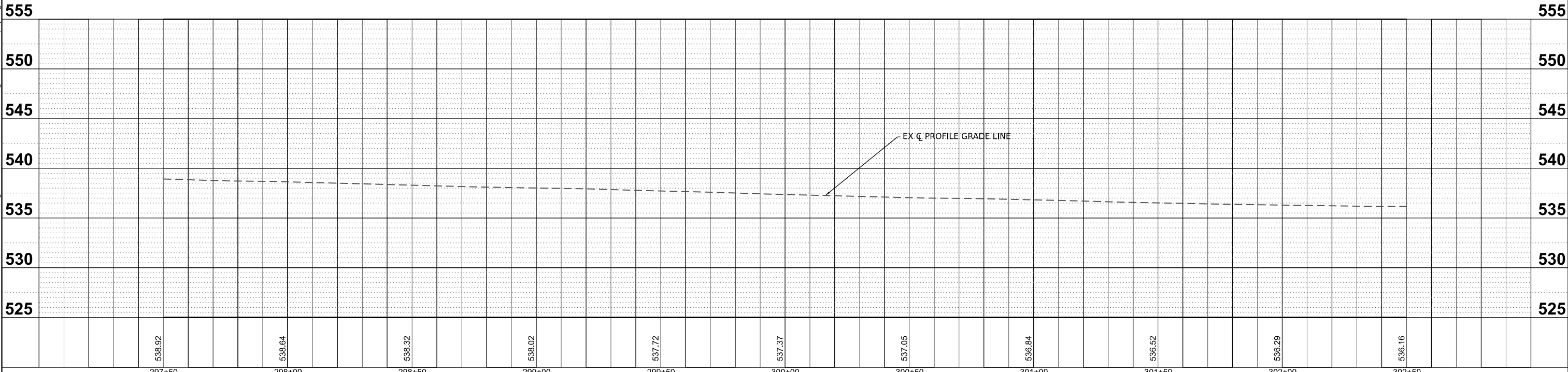
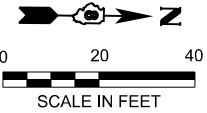
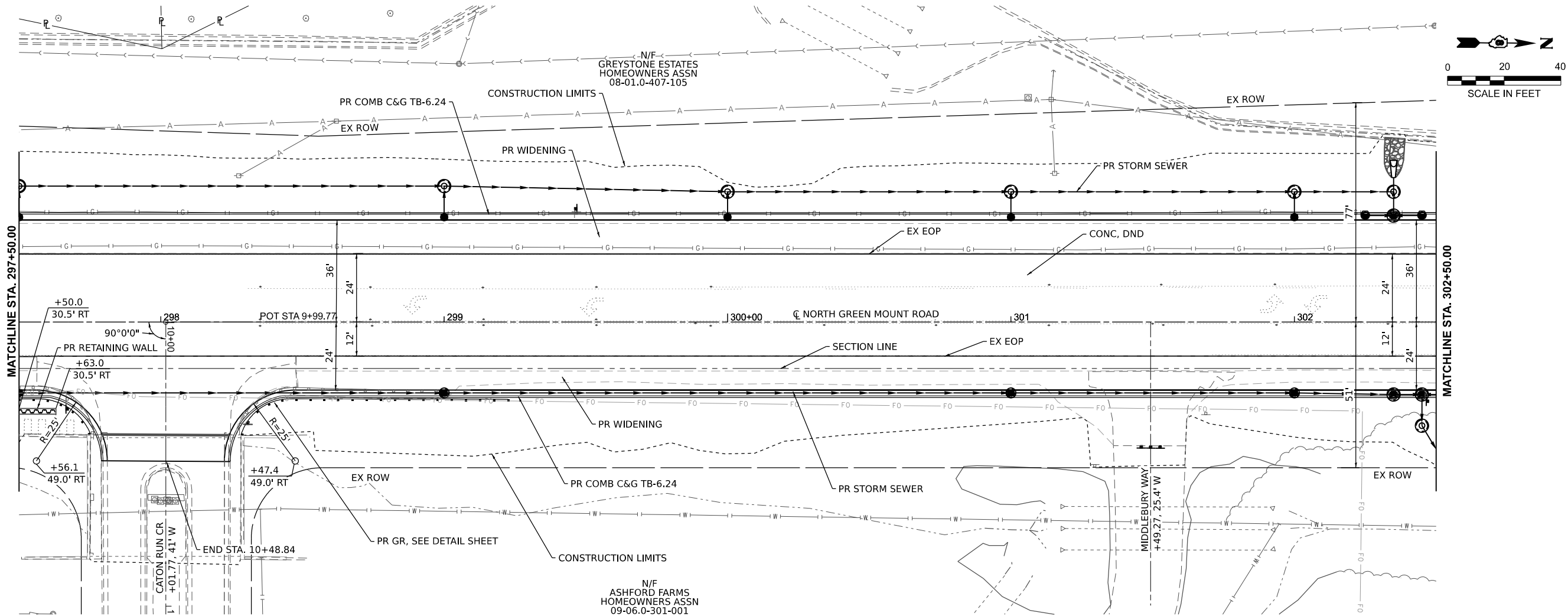
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

PLAN AND PROFILE SHEETS

SCALE: 1" = 20' SHEET 6 OF 12 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	26
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



145.92				145.64				145.32				145.02				144.72				144.37				144.05				143.84				143.52				143.29				143.16			
297+50				298+00				298+50				299+00				299+50				300+00				300+50				301+00				301+50				302+00				302+50			
DESIGNED -				DRAWN -				CHECKED -				DATE -				REVISD -				REVISD -				REVISD -				REVISD -				REVISD -				REVISD -				REVISD -			
USER NAME = kevin.botterbush				PLOT DATE = 6/20/2025				DESIGNED -				DRAWN -				CHECKED -				DATE -				REVISD -				REVISD -				REVISD -				REVISD -				REVISD -			

F.A.U. RTE.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
9170		16-00333-17-PW		ST. CLAIR		174		27	
								CONTRACT NO. 97873	
								ILLINOIS	
								FED. AID PROJECT	

SCALE: 1" = 20'		SHEET 7		OF 12 SHEETS		STA.		TO STA.	
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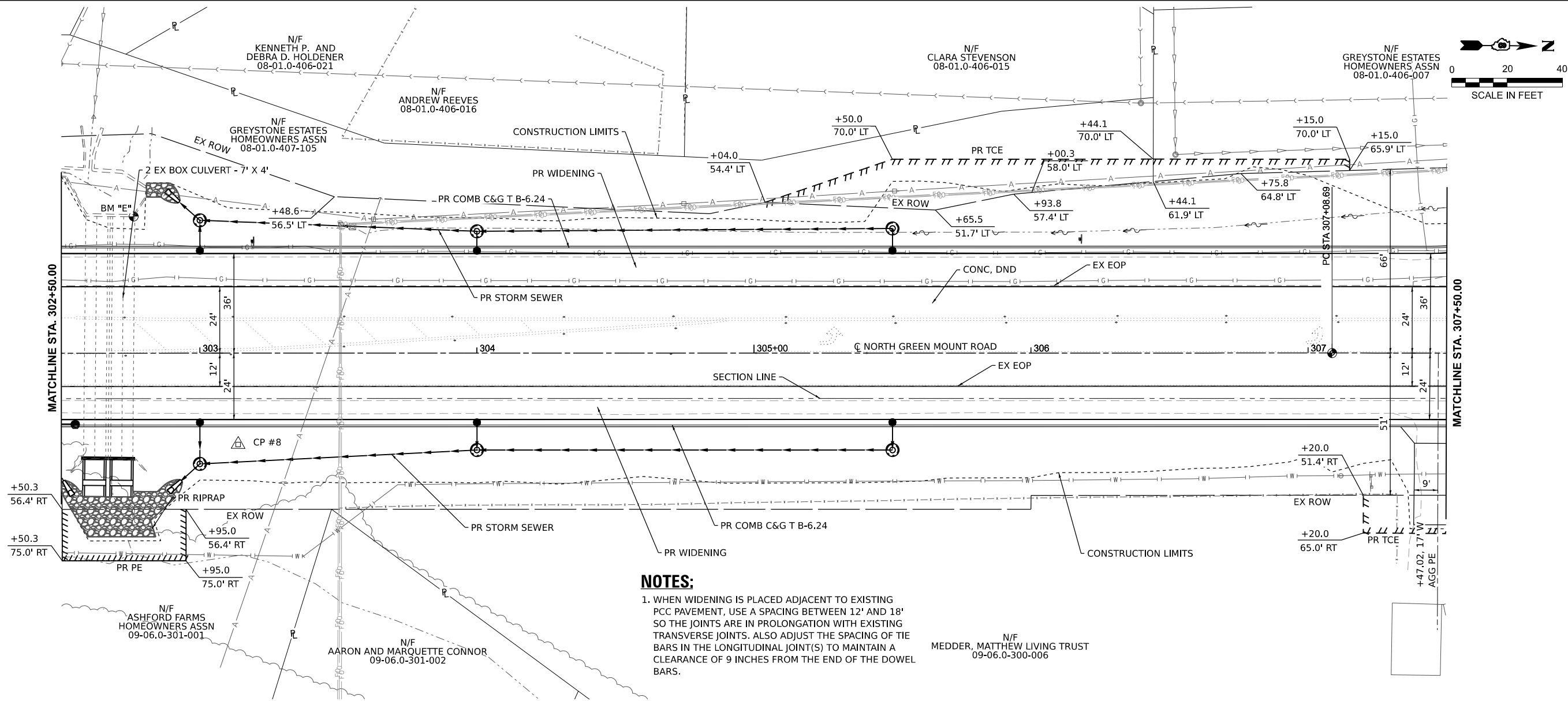
16-00333-17-PW	
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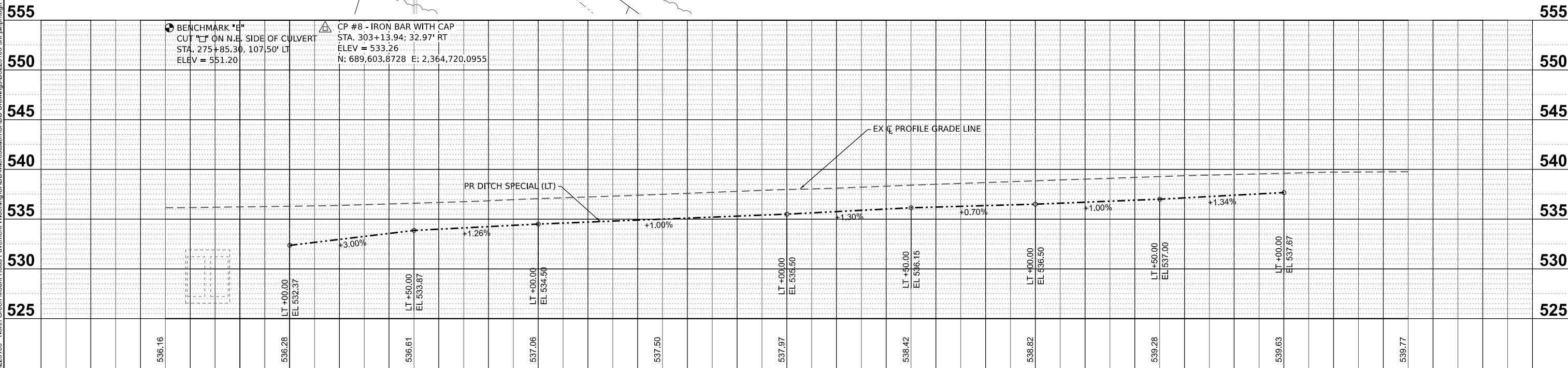
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

PLAN AND PROFILE SHEETS



NOTES:

1. WHEN WIDENING IS PLACED ADJACENT TO EXISTING PCC PAVEMENT, USE A SPACING BETWEEN 12' AND 18' SO THE JOINTS ARE IN PROLONGATION WITH EXISTING TRANSVERSE JOINTS. ALSO ADJUST THE SPACING OF THE BARS IN THE LONGITUDINAL JOINT(S) TO MAINTAIN A CLEARANCE OF 9 INCHES FROM THE END OF THE DOWEL BARS.



USER NAME	= kevin.botterbush
PLOT DATE	= 6/20/2025

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-



**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

PLAN AND PROFILE SHEETS

SCALE: 1" = 20' SHEET 8 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	28
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

NOTES:

1. WHEN WIDENING IS PLACED ADJACENT TO EXISTING PCC PAVEMENT, USE A SPACING BETWEEN 12' AND 18' SO THE JOINTS ARE IN PROLONGATION WITH EXISTING TRANSVERSE JOINTS. ALSO ADJUST THE SPACING OF TIE BARS IN THE LONGITUDINAL JOINT(S) TO MAINTAIN A CLEARANCE OF 9 INCHES FROM THE END OF THE DOWEL BARS.

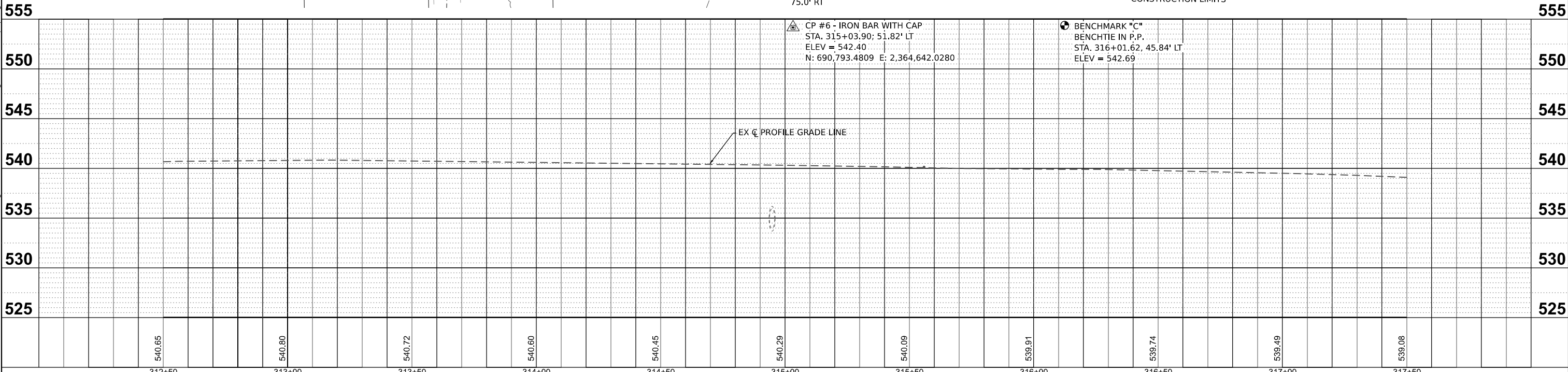
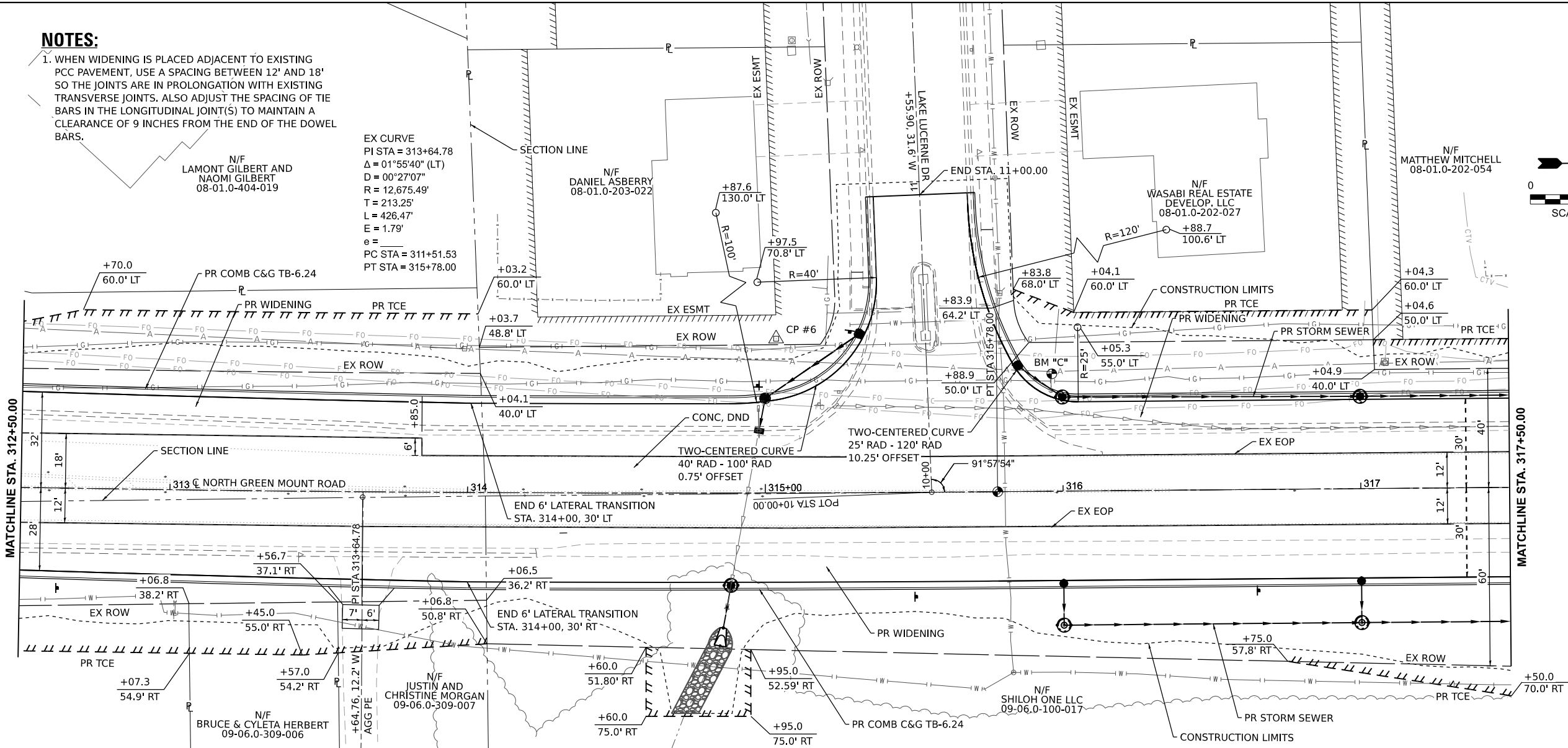
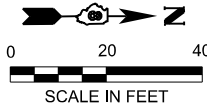
N/F
LAMONT GILBERT AND
NAOMI GILBERT
08-01.0-404-019

EX CURVE
PI STA = 313+64.78
 $\Delta = 01^{\circ}55'40''$ (LT)
 $D = 00^{\circ}27'07''$
 $R = 12,675.49'$
 $T = 213.25'$
 $L = 426.47'$
 $E = 1.79'$
 $\theta =$
PC STA = 311+51.53
PT STA = 315+78.00

N/F
DANIEL ASBERRY
08-01.0-203-022

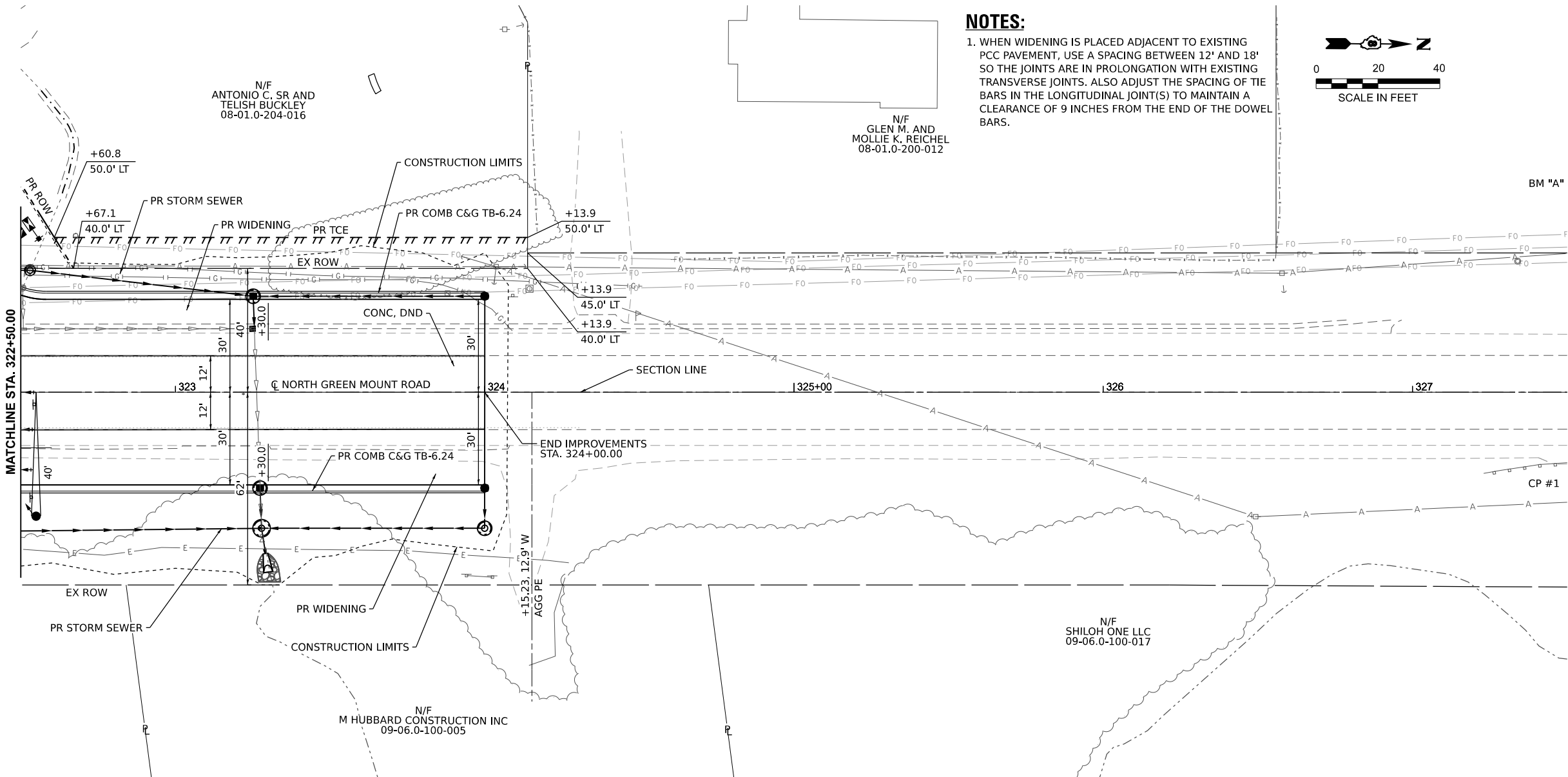
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WASABI REAL ESTATE
DEVELOP. LLC
08-01.0-202-027

N/F
MATTHEW MITCHELL
08-01.0-202-054



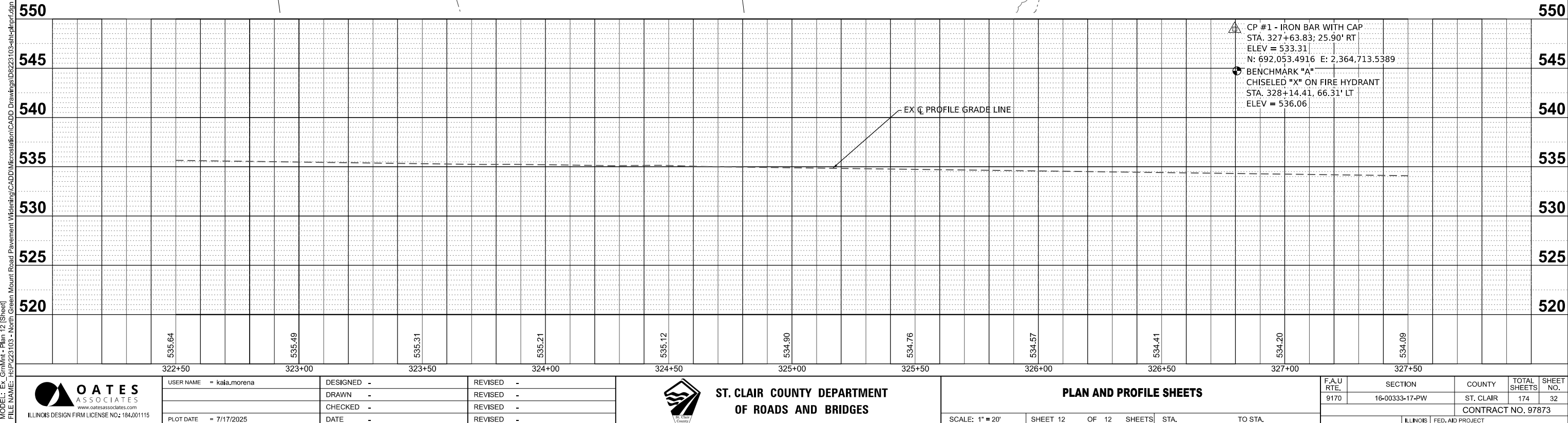
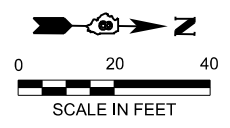
OATES ASSOCIATES www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115				ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES				PLAN AND PROFILE SHEETS				F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 9170 16-00333-17-PW ST. CLAIR 174 30 CONTRACT NO. 97873			
USER NAME = ryne.wirtjes				DESIGNED -				SCALE: 1" = 20'				ILLINOIS FED. AID PROJECT			
DRAWN -				REVISED -				SHEET 10 OF 12 SHEETS							
CHECKED -				REVISED -				STA. TO STA.							
PLOT DATE = 7/21/2025				DATE -											

MODEL: Ex_GmMnt - Plan 12 [Sheet]
FILE NAME: H:\P\223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\223103-sht-dmrf.dgn



NOTES:

1. WHEN WIDENING IS PLACED ADJACENT TO EXISTING PCC PAVEMENT, USE A SPACING BETWEEN 12' AND 18' SO THE JOINTS ARE IN PROLONGATION WITH EXISTING TRANSVERSE JOINTS. ALSO ADJUST THE SPACING OF TIE BARS IN THE LONGITUDINAL JOINT(S) TO MAINTAIN A CLEARANCE OF 9 INCHES FROM THE END OF THE DOWEL BARS.



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

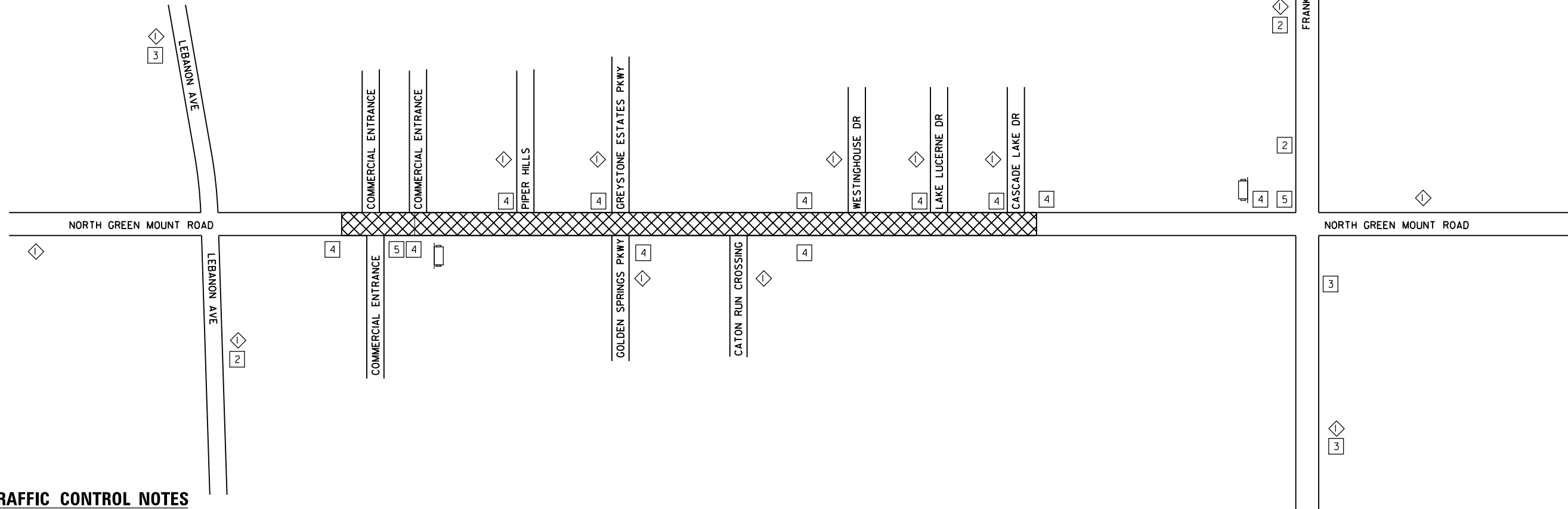
PLAN AND PROFILE SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	32
CONTRACT NO. 97873				

16-00333-17-PW



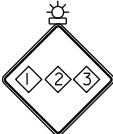
APPROXIMATE SCALE: 1" = 500'



TRAFFIC CONTROL NOTES

1. TYPE A LOW INTENSITY FLASHING WARNING SIGNS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
2. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" X 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES AND SIDE ROADS AT ALL TIMES.
4. LONGITUDINAL DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
5. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.
6. ALL RESIDENTS FRONTING THE PROJECT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ROAD CLOSURES AFFECTING THEIR ACCESS.
7. MAINTAIN LOCAL ACCESS AT ALL TIMES.
8. REMOVAL OF EXISTING AND TEMPORARY PAINT PAVEMENT MARKINGS SHALL BE DONE USING WATERBLASTING. GRINDING WILL NOT BE ALLOWED.
9. ALL CHANGEABLE MESSAGE BOARDS MUST BE IN PLACE AND OPERATIONAL FOR A MINIMUM OF 14 CALENDER DAYS PRIOR TO LANE SHIFTS AND ROADWAY CLOSURES. EACH SIGN SHALL STATE THE DAY WORK WILL BEGIN AND DELAYS ARE POSSIBLE. THE EXACT MESSAGE WILL BE APPROVED BY THE ENGINEER.
10. THE SPEED LIMIT SHALL BE REDUCED TO 35 MPH FOR ALL STAGES OF CONSTRUCTION. PLACEMENT OF THE 35 MPH SPEED LIMIT SIGNS SHALL BE A MINIMUM OF 100 FT PRIOR TO THE WORK ZONE IN ALL DIRECTIONS. SPEED LIMIT SIGNS SHALL BE SPACED AT 500' MAX.

TRAFFIC CONTROL PLAN LEGEND

- | | | |
|---|---|--|
|  | W20-I103(O)-48 (ROAD CONSTRUCTION AHEAD) | |
|  | 24" X 24" |  |
|  | 24" X 24" |  |
|  | R2-I-2430 (SPEED LIMIT 35) | 
48" X 48"
FLUORESCENT ORANGE |
|  | R2-5A-2430 (SPEED REDUCED AHEAD) | |
|  | TYPE A LOW INTENSITY FLASHING LIGHT | |
|  | WORK ZONE | |
|  | CHANGEABLE MESSAGE BOARD (PRIOR TO STAGE I) | |



ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME	= ryne.wirtjes
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DESIGNED -

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PLOT DATE	= 6/20/2025
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DATE	-
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REVISÉ -



**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SHEETS

SCALE:	SHEET 1	OF 19 SHEETS	STA	TO STA
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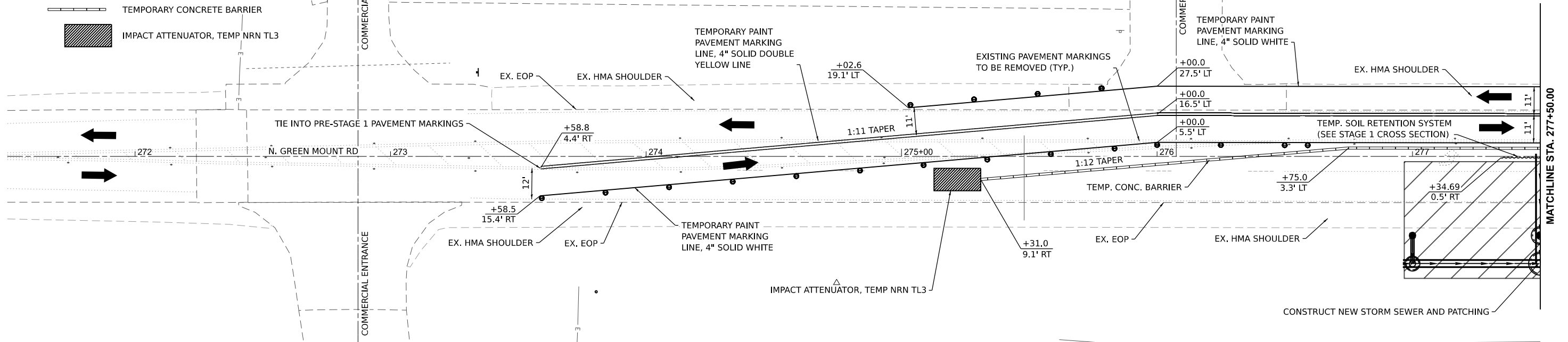
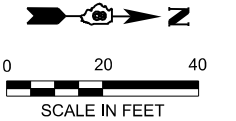
S	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	9170	16-00333-17-PW	ST. CLAIR	174	33
			CONTRACT NO. 97873		
		UNION	FED. AID PROJECT		

16-00333-17-PW

MODEL: Ex GrnMnt2 - Plan 14-1 [Sheet]
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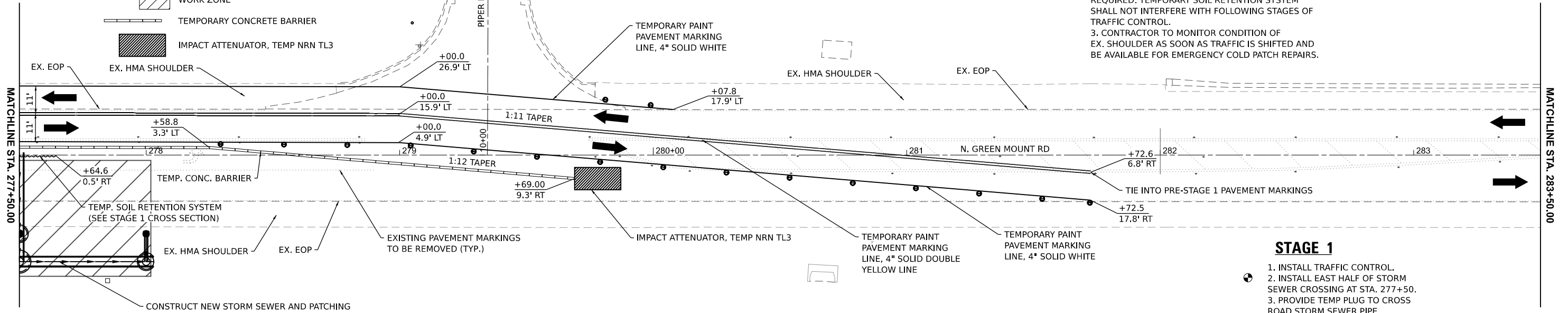
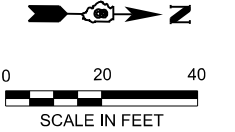
TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- ➔ DIRECTION OF TRAFFIC
- ▨ WORK ZONE
- TEMPORARY CONCRETE BARRIER
- ▩ IMPACT ATTENUATOR, TEMP NRN TL3



TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- ➔ DIRECTION OF TRAFFIC
- ▨ WORK ZONE
- TEMPORARY CONCRETE BARRIER
- ▩ IMPACT ATTENUATOR, TEMP NRN TL3



NOTES

1. STATION OFFSET CALLOUTS ARE TO CENTER OF TEMP. CONC. BARRIER.
2. TEMP. SOIL RETENTION SYSTEMS UTILIZED FOR MULTIPLE STAGES OF CONSTRUCTION SHALL INCLUDE ANY ADJUSTING REQUIRED TO TRANSITION FROM ONE STAGE TO THE NEXT AS REQUIRED. TEMPORARY SOIL RETENTION SYSTEM SHALL NOT INTERFERE WITH FOLLOWING STAGES OF TRAFFIC CONTROL.
3. CONTRACTOR TO MONITOR CONDITION OF EX. SHOULDER AS SOON AS TRAFFIC IS SHIFTED AND BE AVAILABLE FOR EMERGENCY COLD PATCH REPAIRS.

STAGE 1

1. INSTALL TRAFFIC CONTROL.
2. INSTALL EAST HALF OF STORM SEWER CROSSING AT STA. 277+50.
3. PROVIDE TEMP PLUG TO CROSS ROAD STORM SEWER PIPE.

USER NAME	= ryne.wirtjes	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 6/20/2025	DATE	-	REVISED	-



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

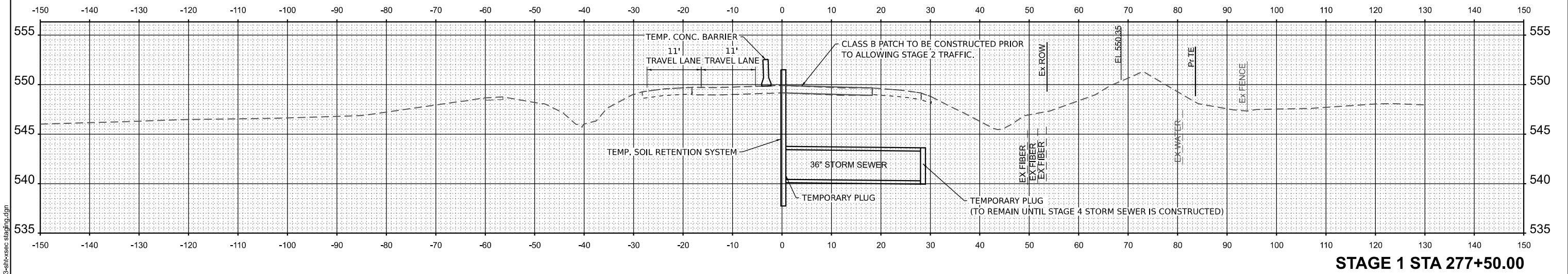
STAGE 1
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SHEETS

SCALE: 1"=20' SHEET 2 OF 19 SHEETS STA. 271+50.00 TO STA. 283+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	34
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

MODEL: Ex_GmMnt - 27ft+60.00 [Sheet]
FILE NAME: I:\P\223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\08223103-sh1-vsec staging.dgn



STAGE 1 STA 277+50.00



USER NAME = ryne.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/20/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SHEETS
STAGE 1 CROSS SECTION

SCALE:	SHEET 3	OF 19	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	35
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL LEGEND

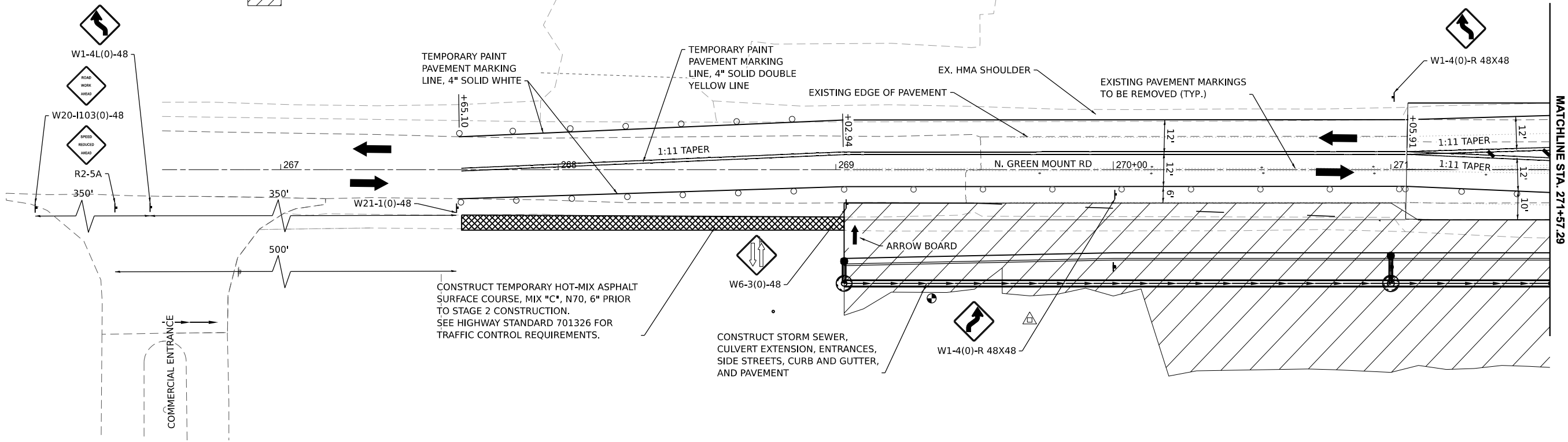
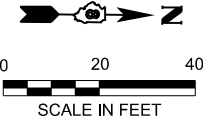
- TRAFFIC CONTROL DRUM
- ➔ DIRECTION OF TRAFFIC
- ▨ WORK ZONE

NOTES:

1. CONTRACTOR TO MONITOR
CONDITION OF EX. SHOULDER AS
SOON AS TRAFFIC IS SHIFTED AND
BE AVAILABLE FOR EMERGENCY
COLD PATCH REPAIRS.

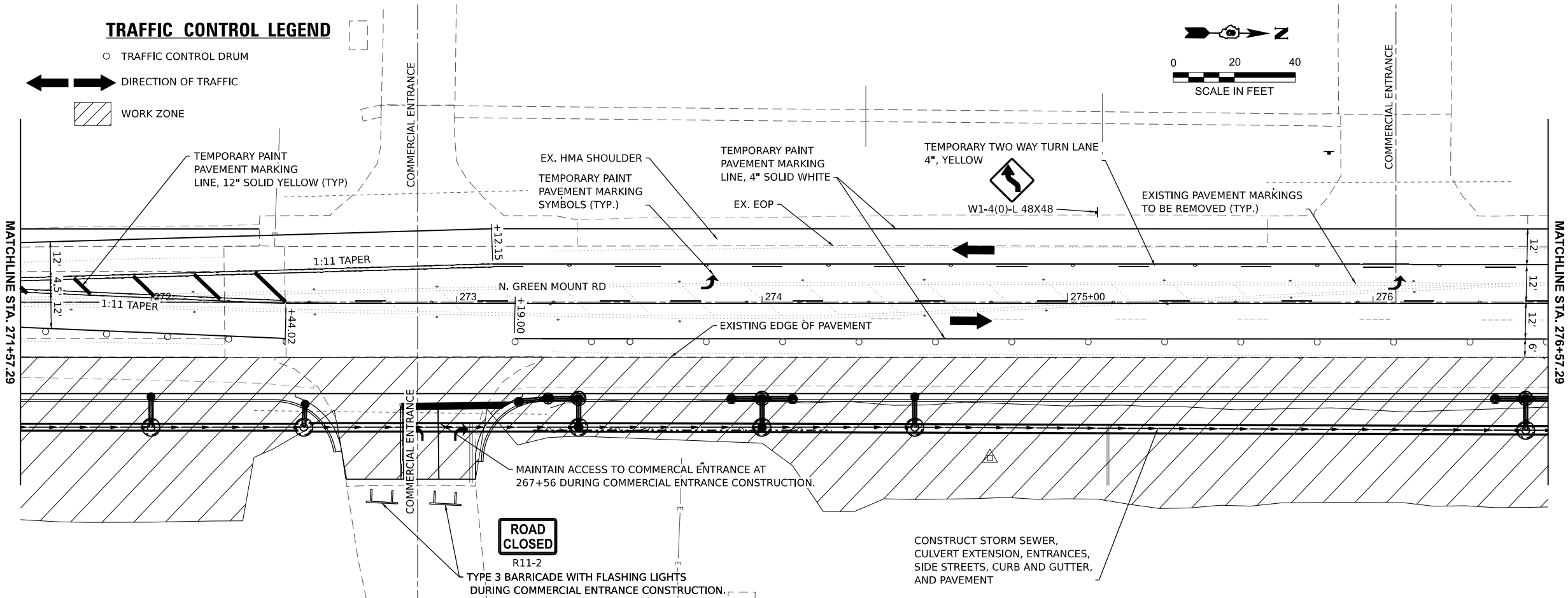
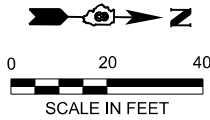
STAGE 2

1. INSTALL TRAFFIC CONTROL
2. CONSTRUCT EAST HALF OF WIDENING



TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- ➔ DIRECTION OF TRAFFIC
- ▨ WORK ZONE



MODEL: Ex. GrnMnt - Plan 1 (Sheet)
FILE NAME: H:\P\223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\223103-sh1-stage 1.dgn



USER NAME = ryne.wirtjes
PLOT DATE = 6/20/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

STAGE 2
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SHEETS

SCALE: SHEET 4 OF 19 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	36
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

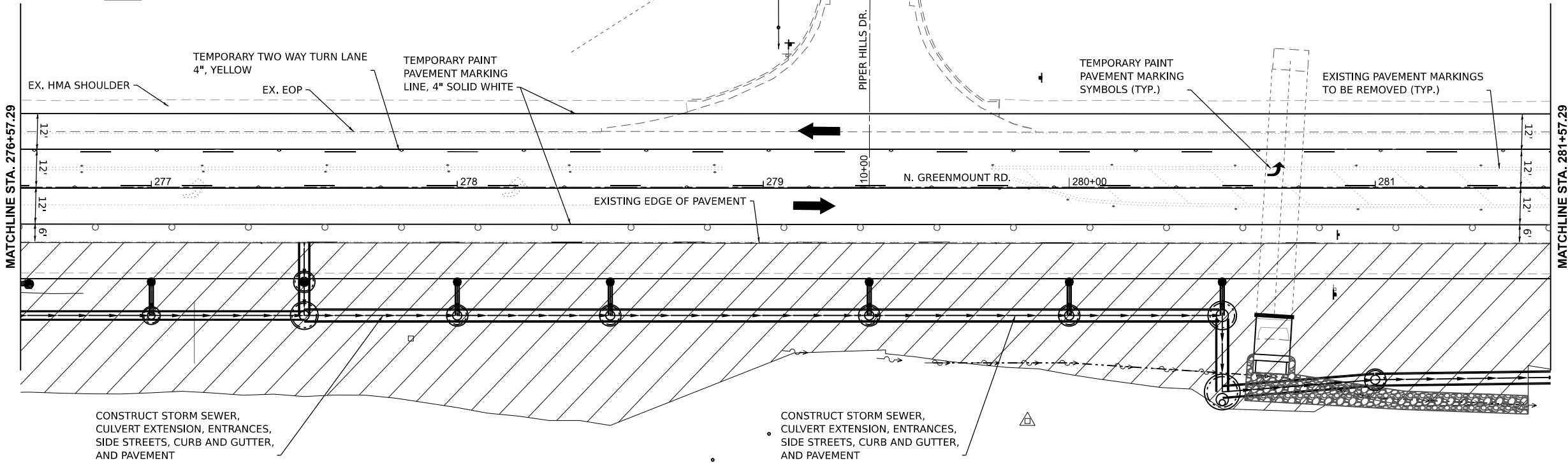
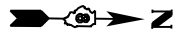
TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- ←→ DIRECTION OF TRAFFIC
- ▨ WORK ZONE



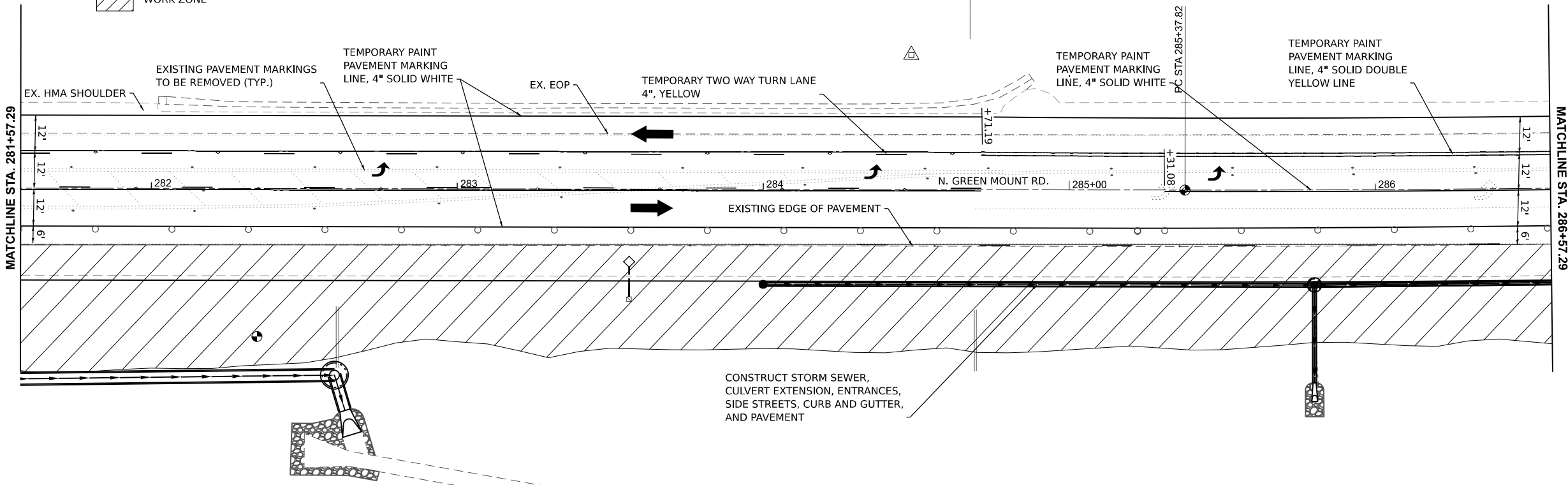
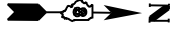
NOTES:

1. CONTRACTOR TO MONITOR CONDITION OF EX. SHOULDER AS SOON AS TRAFFIC IS SHIFTED AND BE AVAILABLE FOR EMERGENCY COLD PATCH REPAIRS.



TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- ←→ DIRECTION OF TRAFFIC
- ▨ WORK ZONE



MODEL: Ex. GrnMnt - Plan 3 (Sheet)
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\223103-sh1-stage 1.dgn



USER NAME =	kaia.morena	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
PLOT DATE =	7/15/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

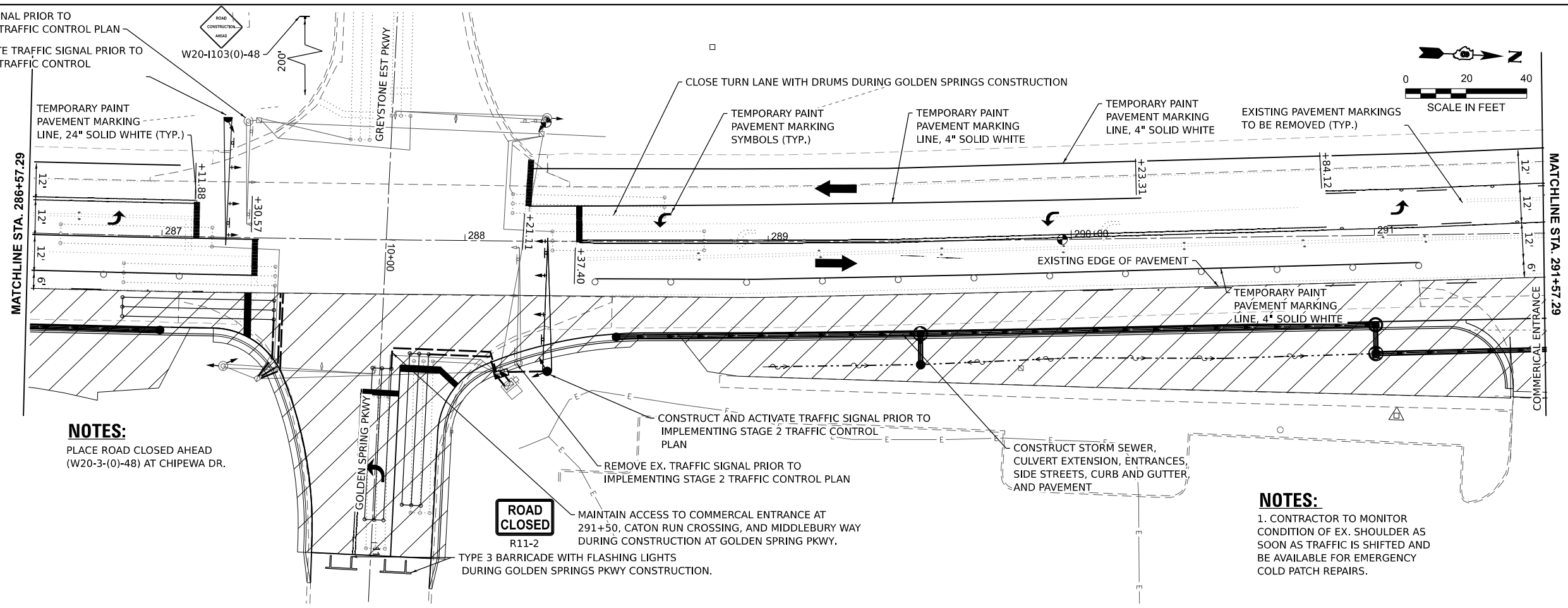
STAGE 2
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SHEETS

SCALE: SHEET 5 OF 19 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	37
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

REMOVE EX. TRAFFIC SIGNAL PRIOR TO IMPLEMENTING STAGE 2 TRAFFIC CONTROL PLAN
CONSTRUCT AND ACTIVATE TRAFFIC SIGNAL PRIOR TO IMPLEMENTING STAGE 2 TRAFFIC CONTROL PLAN

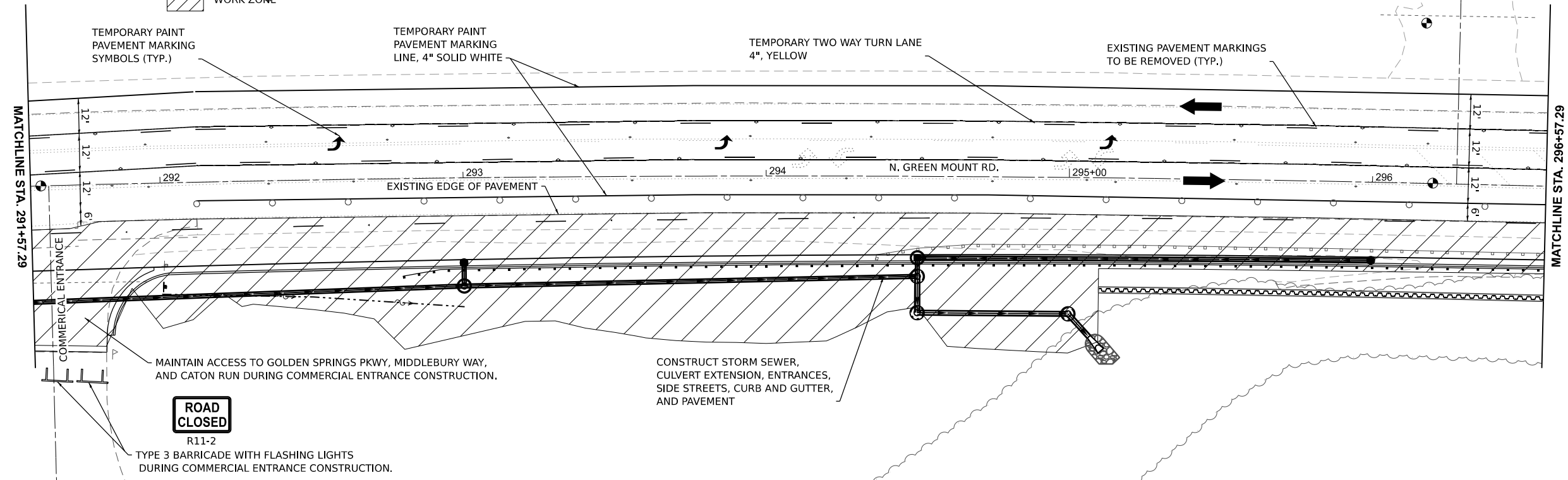


NOTES:
PLACE ROAD CLOSED AHEAD (W20-3-(0)-48) AT CHIPEWA DR.

NOTES:
1. CONTRACTOR TO MONITOR CONDITION OF EX. SHOULDER AS SOON AS TRAFFIC IS SHIFTED AND BE AVAILABLE FOR EMERGENCY COLD PATCH REPAIRS.

TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- ↔ DIRECTION OF TRAFFIC
- ▨ WORK ZONE



ROAD CLOSED
R11-2

MAINTAIN ACCESS TO GOLDEN SPRINGS PKWY, MIDDLEBURY WAY, AND CATON RUN DURING COMMERCIAL ENTRANCE CONSTRUCTION.

CONSTRUCT STORM SEWER, CULVERT EXTENSION, ENTRANCES, SIDE STREETS, CURB AND GUTTER, AND PAVEMENT

MODEL: Ex. GrnMnt - Plan 5 (Sheet)
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\0223103-shf-stage 1.dgn

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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = ryne.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -
PLOT DATE = 6/20/2025		

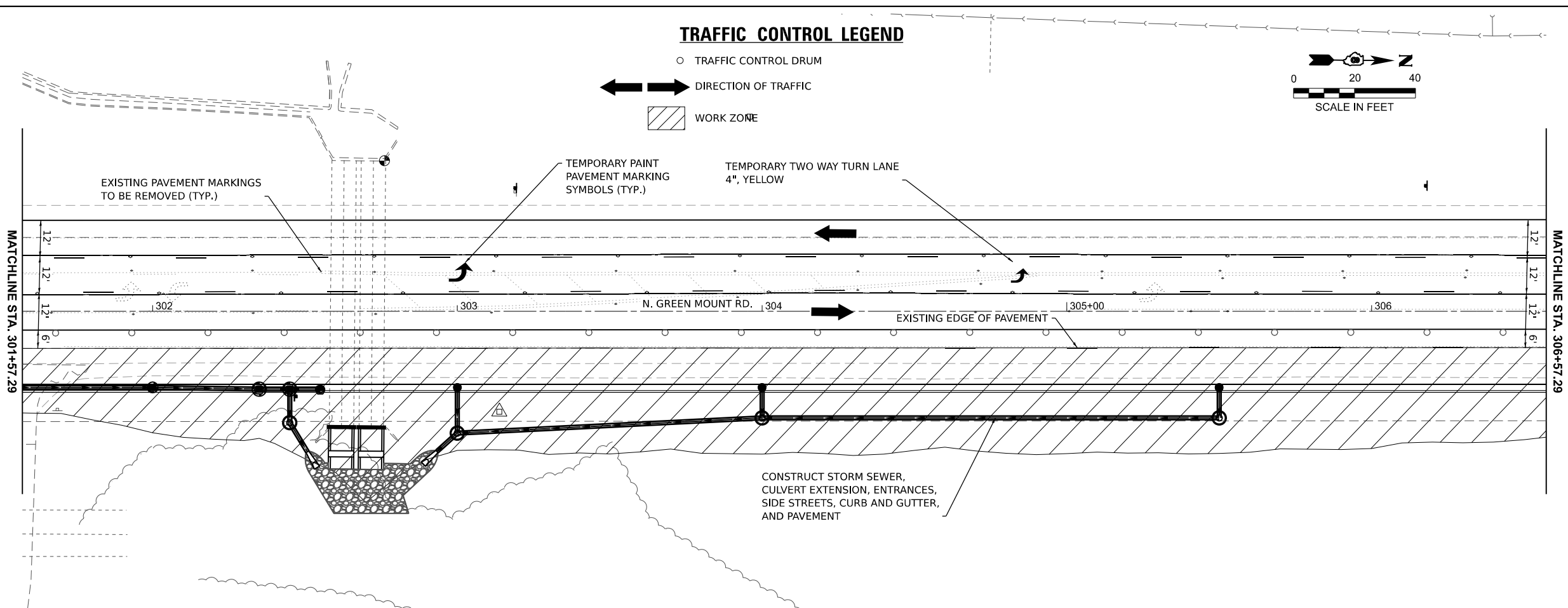
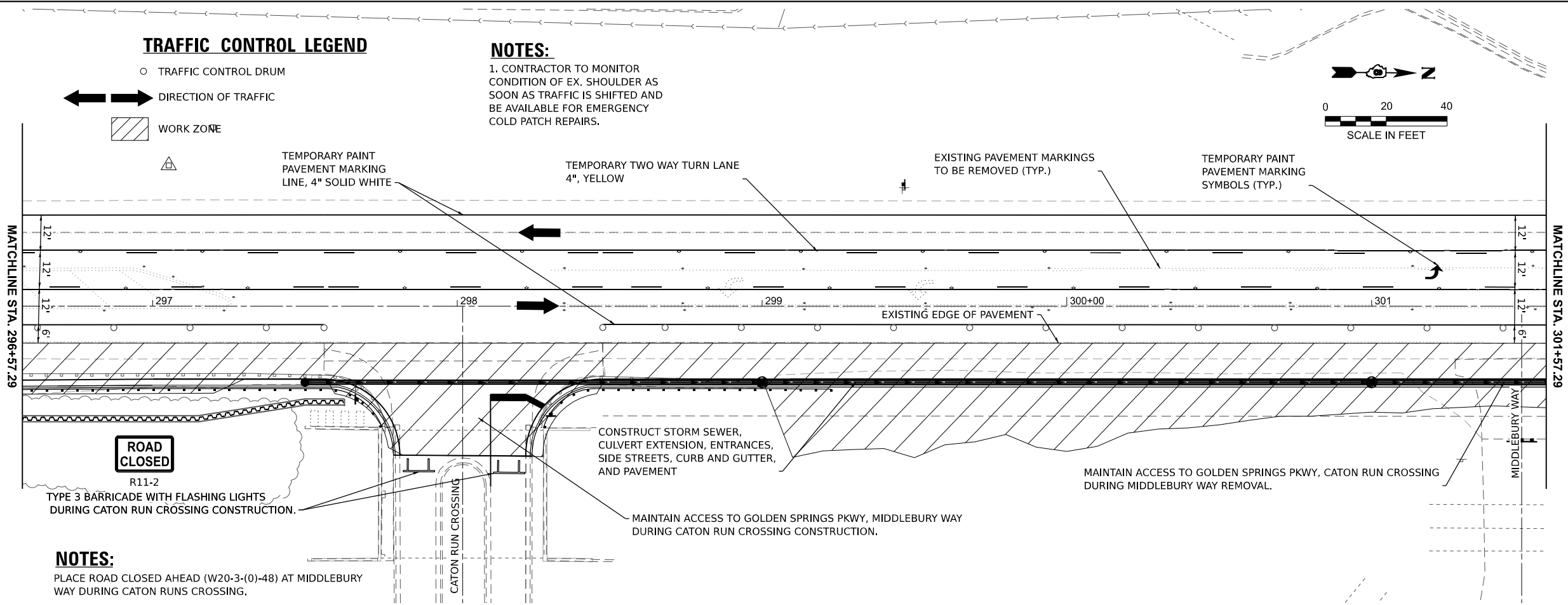


ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

STAGE 2 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SHEETS			
SCALE:	SHEET 6 OF 19 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	38
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



MODEL: Ex. GrnMnt - Plan 7 (Sheet)
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\03-shf-stage 1.dgn



USER NAME	= ryne.wirtjes
DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-
PLOT DATE	= 6/20/2025

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
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REVISED	-
REVISED	-

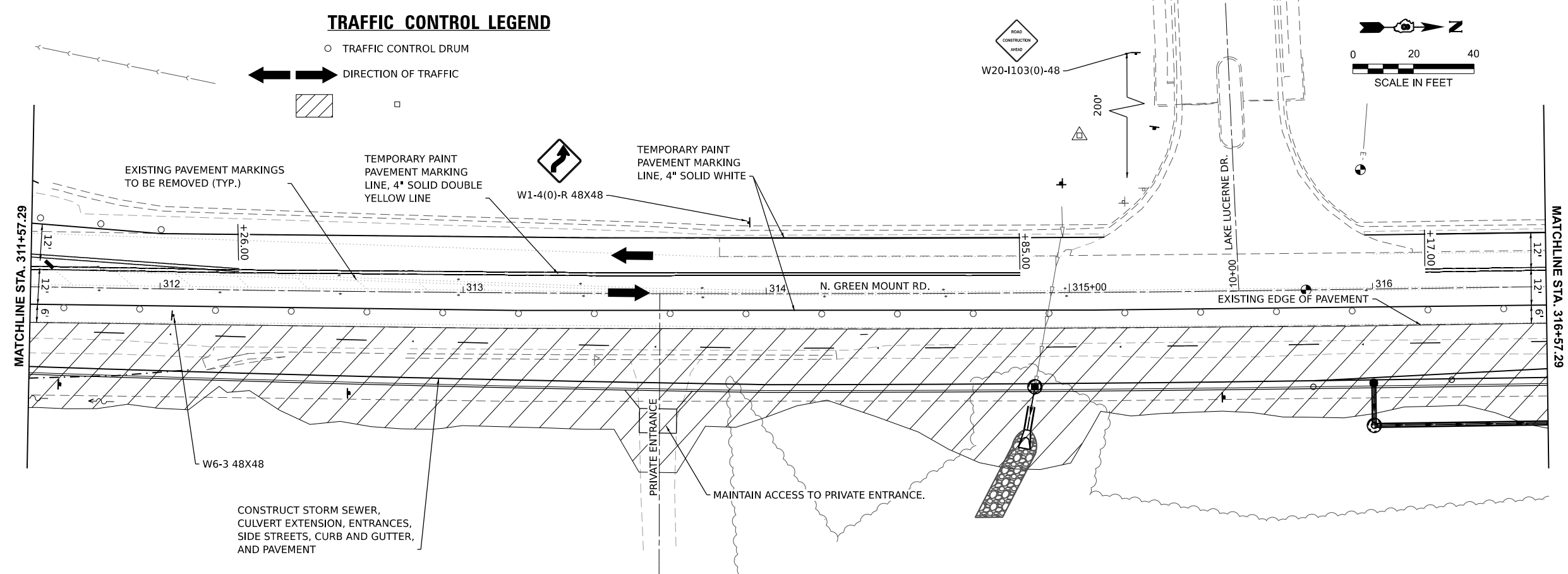
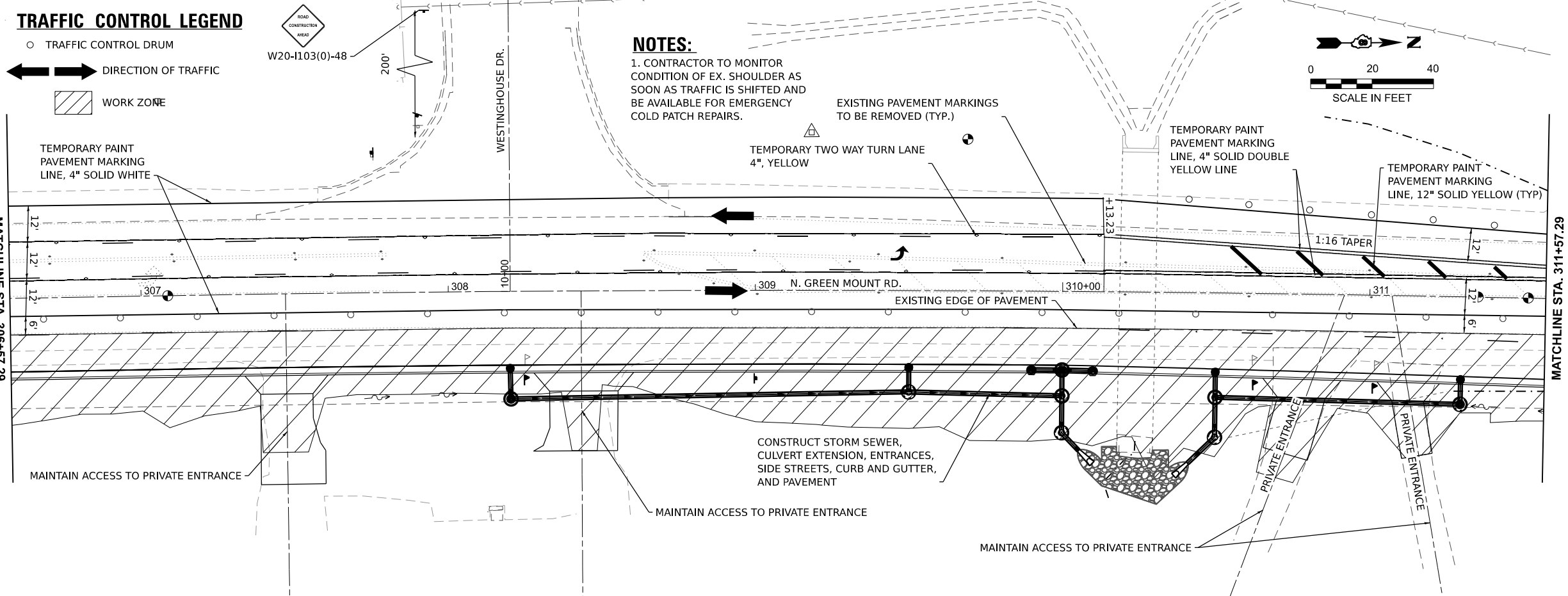


ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

STAGE 2 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SHEETS			
SCALE:	SHEET 7	OF 19 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	39
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



MODEL: Ex. GrnMnt - Plan 9 (Sheet)
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\03-shf-stage 1.dgn



USER NAME = ryne.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/20/2025	DATE -	REVISED -



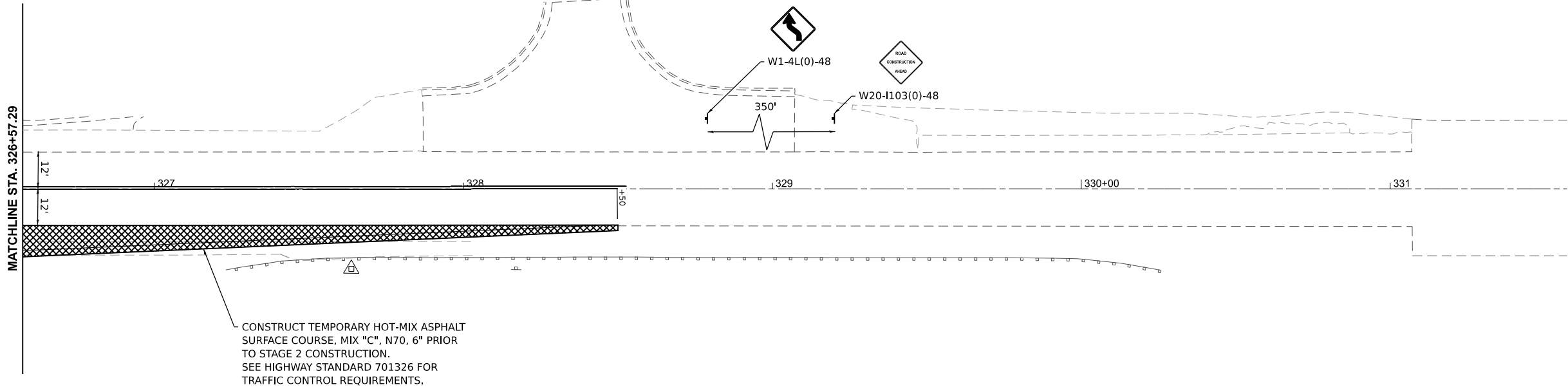
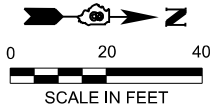
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

STAGE 2 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SHEETS			
SCALE:	SHEET 8	OF 19 SHEETS	STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	40
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

NOTES:
1. CONTRACTOR TO MONITOR
CONDITION OF EX. SHOULDER AS
SOON AS TRAFFIC IS SHIFTED AND
BE AVAILABLE FOR EMERGENCY
COLD PATCH REPAIRS.



MODEL: Ex_GmMn1-Plan 13 [Sheet]
FILE NAME: H:\P223103-North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\0223103-sh2-stage 1.dgn



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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME	= ryne.wirtjes	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 6/20/2025	DATE	-	REVISED	-



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

STAGE 2
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SHEETS

SCALE: SHEET 10 OF 19 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	42
CONTRACT NO. 97873				
		ILLINOIS	FED. AID PROJECT	

16-00333-17-PW

○ TRAFFIC CONTROL DRUM

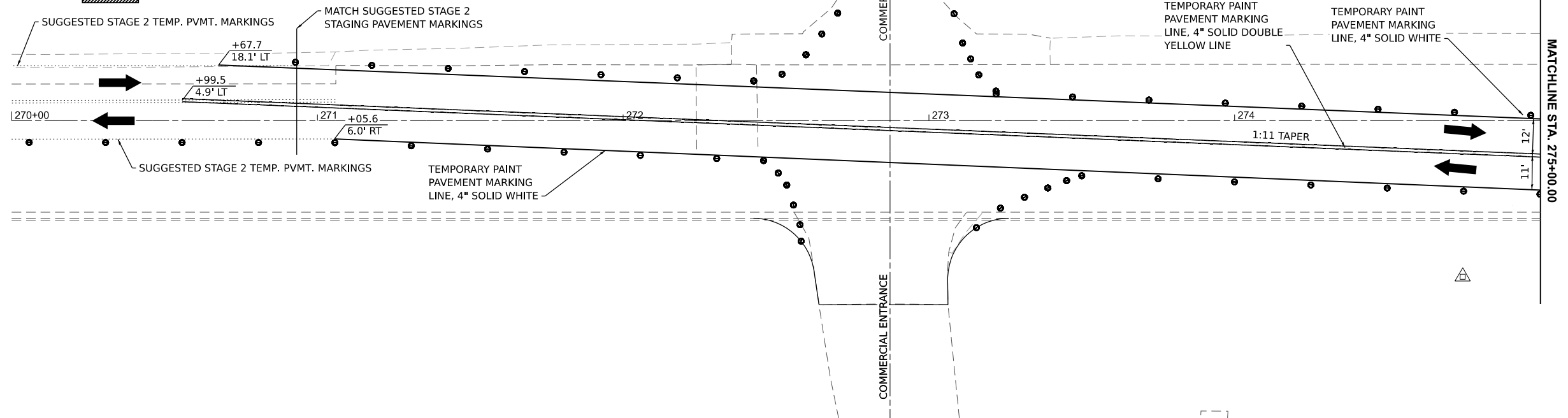
↔ DIRECTION OF TRAFFIC

 WORK ZONE

 TEMPORARY CONCRETE BARRIER

 IMPACT ATTENUATOR, TEMP NRN TL3

1. INSTALL TRAFFIC CONTROL
2. CONSTRUCT WEST HALF OF STORM SEWER AT STA. 277+50 AND PATCH WORK



○ TRAFFIC CONTROL DRUM

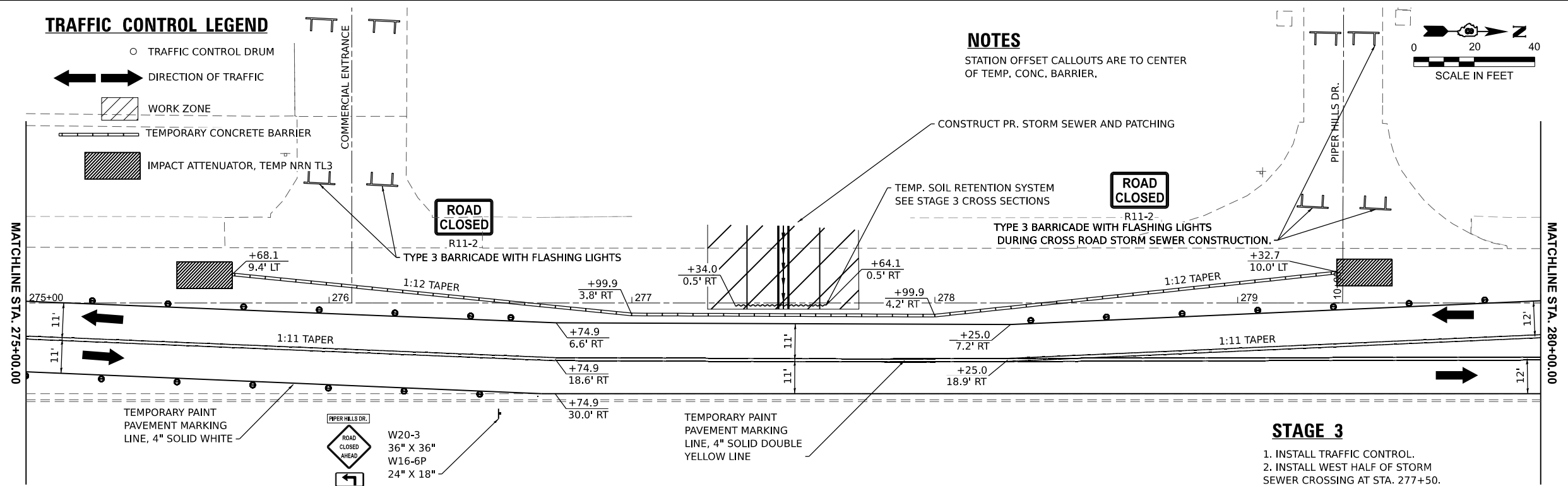
↔ DIRECTION OF TRAFFIC

▨ WORK ZONE

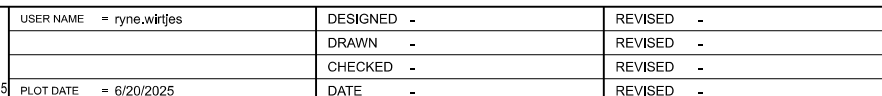
— TEMPORARY CONCRETE BARRIER

▨ IMPACT ATTENUATOR, TEMP NRN TL3

STATION OFFSET CALLOUTS ARE TO CENTER
OF TEMP. CONC. BARRIER.



1. INSTALL TRAFFIC CONTROL.
2. INSTALL WEST HALF OF STORM SEWER CROSSING AT STA. 277+50.
3. PROVIDE TEMP PLUG TO CROSS ROAD STORM SEWER PIPE.
4. CONTRACTOR TO MONITOR CONDITION OF EX. SHOULDER AS SOON AS TRAFFIC IS SHIFTED AND BE AVAILABLE FOR EMERGENCY COLD PATCH REPAIRS.



SCALE:	SHEET 11	OF 19	SHEETS	STA.	TO STA.
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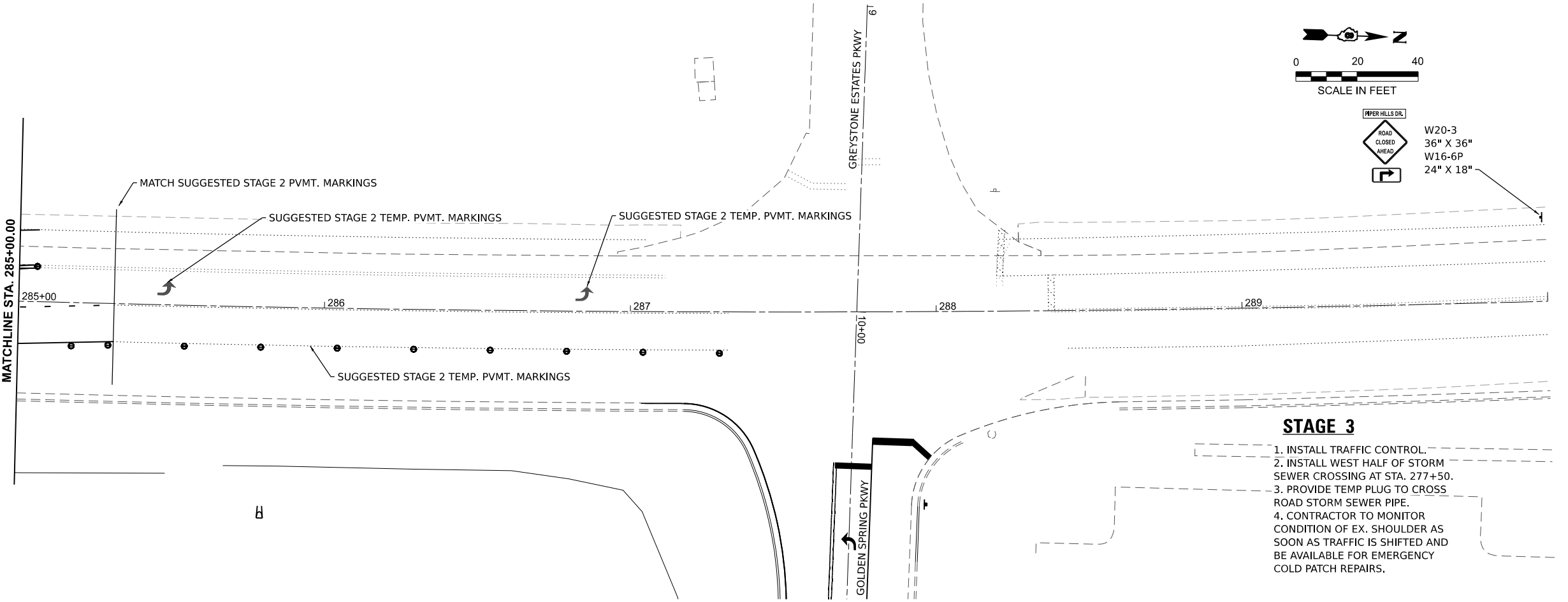
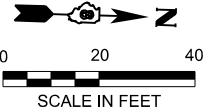
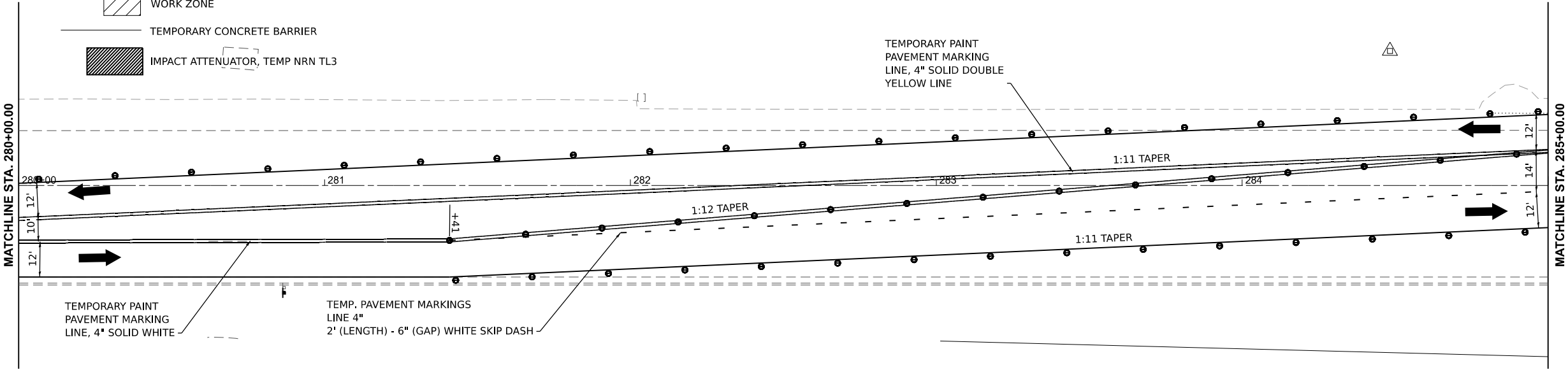
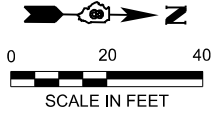
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	43
		CONTRACT NO. 97873		
		ILLINOIS FED. AID PROJECT		

16-00333-17-PW

MODEL: Ex_GrnMnt-2 - Plan 1 [Sheet]
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\08223103-sht-stage 2 - Copy.dgn

TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL DRUM
- ➔ DIRECTION OF TRAFFIC
- ▨ WORK ZONE
- TEMPORARY CONCRETE BARRIER
- ▨ IMPACT ATTENUATOR, TEMP NRN TL3



STAGE 3

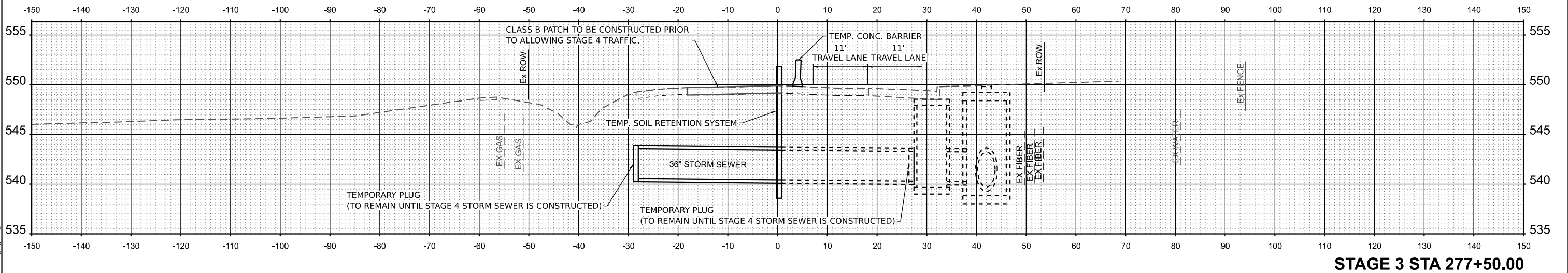
1. INSTALL TRAFFIC CONTROL.
2. INSTALL WEST HALF OF STORM SEWER CROSSING AT STA. 277+50.
3. PROVIDE TEMP PLUG TO CROSS ROAD STORM SEWER PIPE.
4. CONTRACTOR TO MONITOR CONDITION OF EX. SHOULDER AS SOON AS TRAFFIC IS SHIFTED AND BE AVAILABLE FOR EMERGENCY COLD PATCH REPAIRS.

USER NAME = ryne.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/20/2025	DATE -	REVISED -



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	44
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

MODEL: Ex_GmMnt - 27ft+60.00 [Sheet]
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\223103-elt-vsec staging 2.dgn



USER NAME = rylene.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/20/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

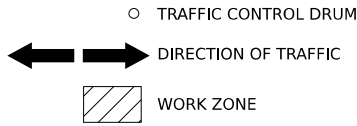
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SHEETS
STAGE 3 CROSS SECTION

SCALE: SHEET 13 OF 19 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	45
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

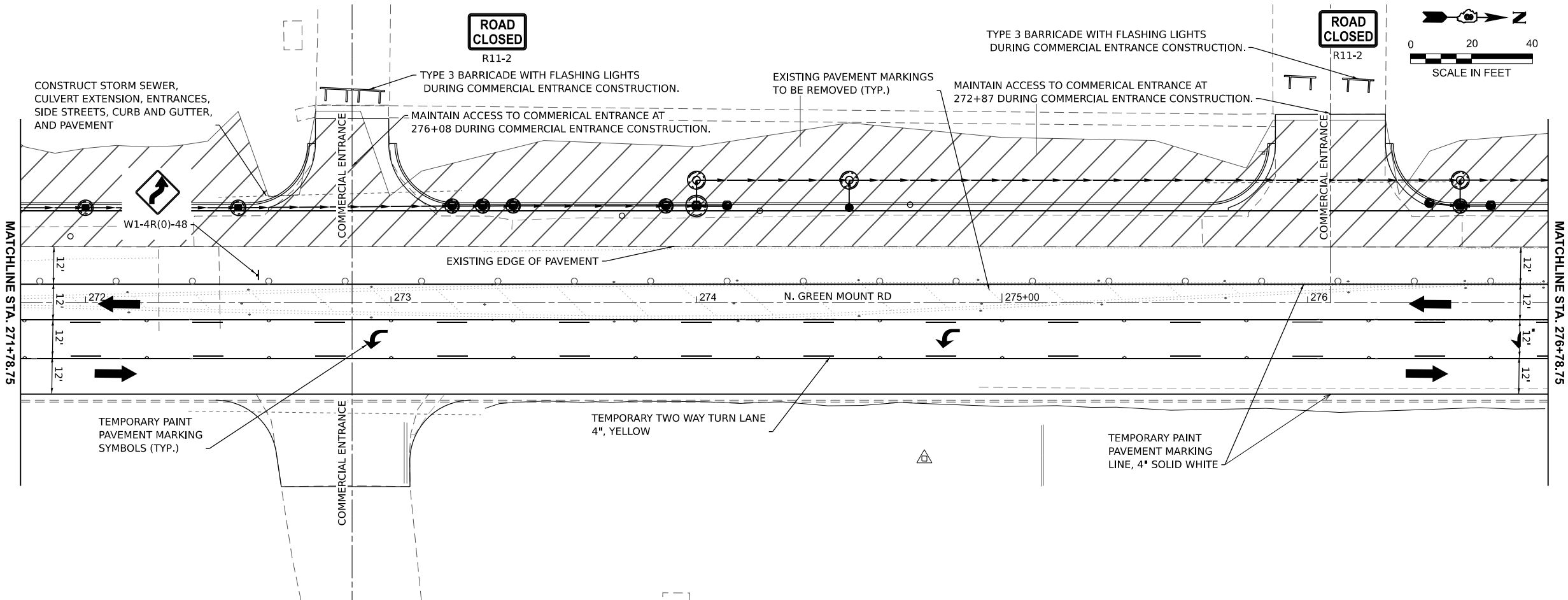
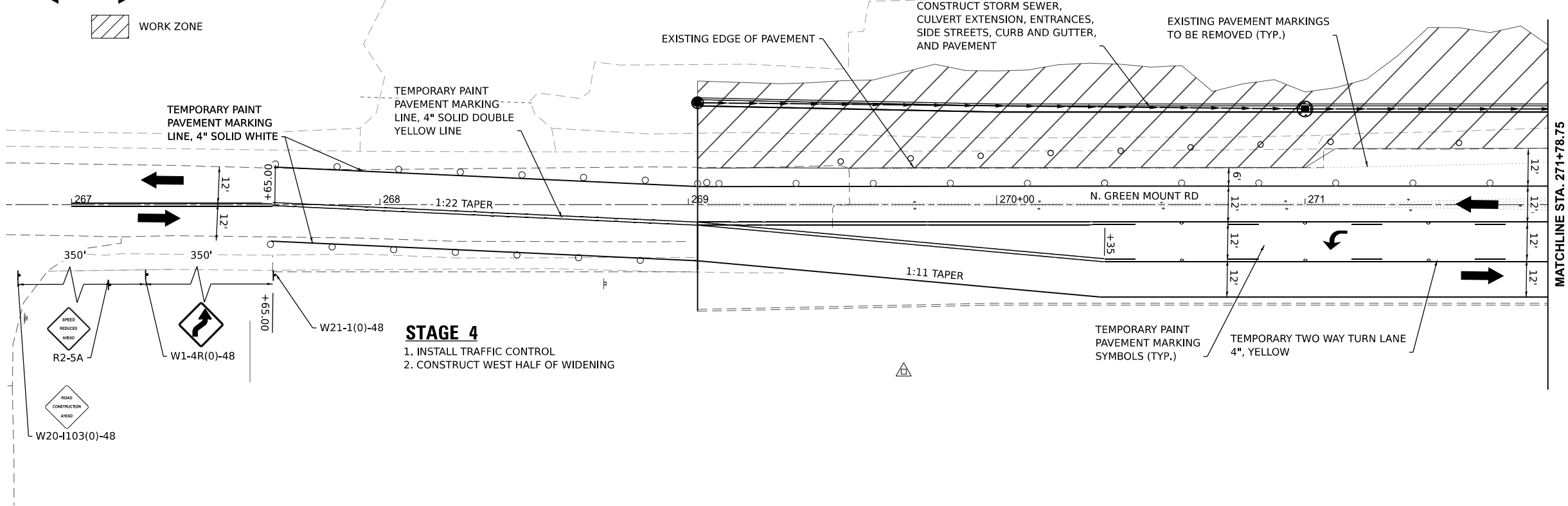
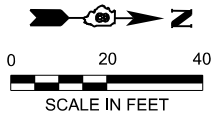
16-00333-17-PW

TRAFFIC CONTROL LEGEND



NOTES:

1. CONTRACTOR TO MONITOR CONDITION OF EX. SHOULDER AS SOON AS TRAFFIC IS SHIFTED AND BE AVAILABLE FOR EMERGENCY COLD PATCH REPAIRS.



MODEL: Ex_GmMnt - Plan 1 [Sheet]
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\223103-shf-stage 2.dgn



USER NAME	= ryne.wirtjes	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
PLOT DATE	= 6/20/2025	DATE -	REVISED -



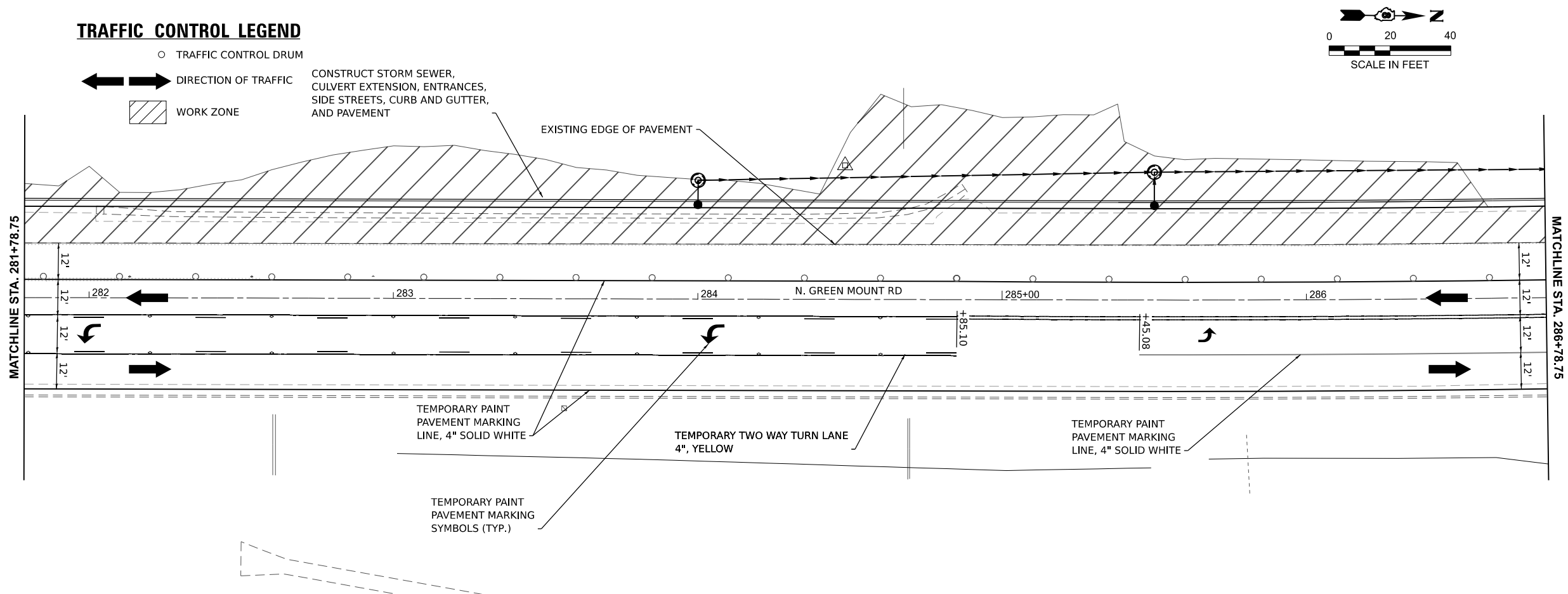
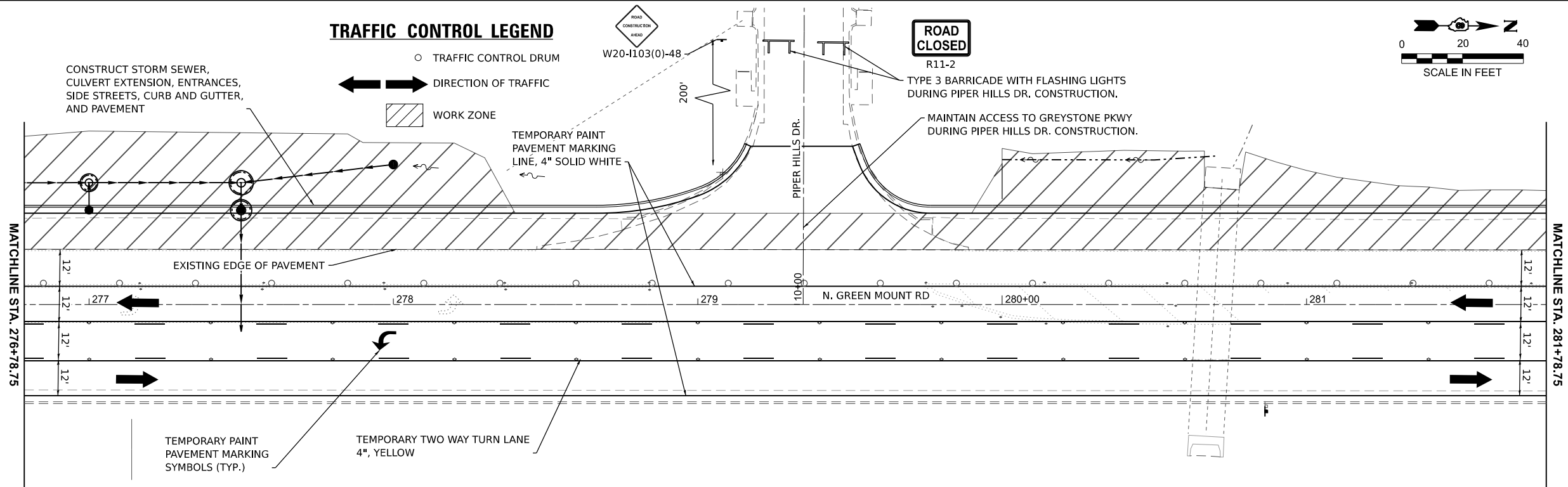
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

STAGE 4
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SHEETS

SCALE: SHEET 14 OF 19 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	46
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



MODEL: Ex_GmMnt - Plan 3 (Sheet)
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\03-shf-stage 2.dgn



USER NAME	= ryne.wirtjes	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 6/20/2025	DATE	-	REVISED	-

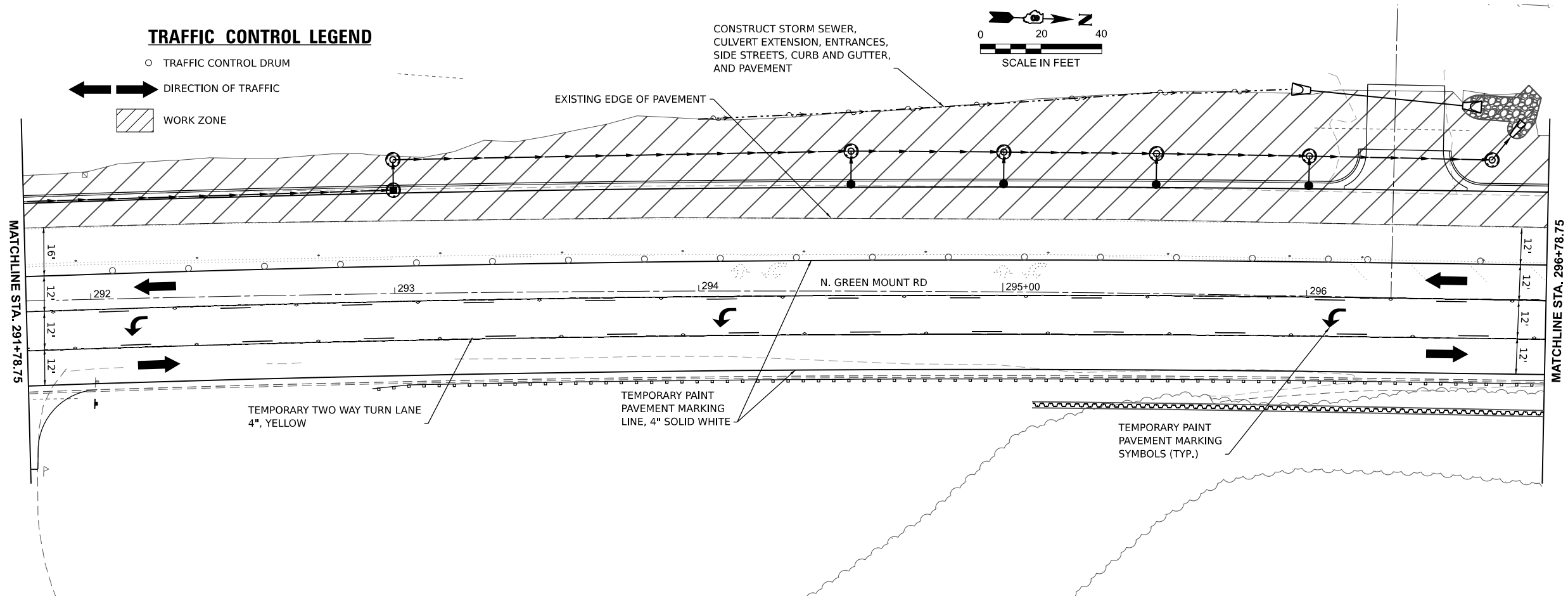
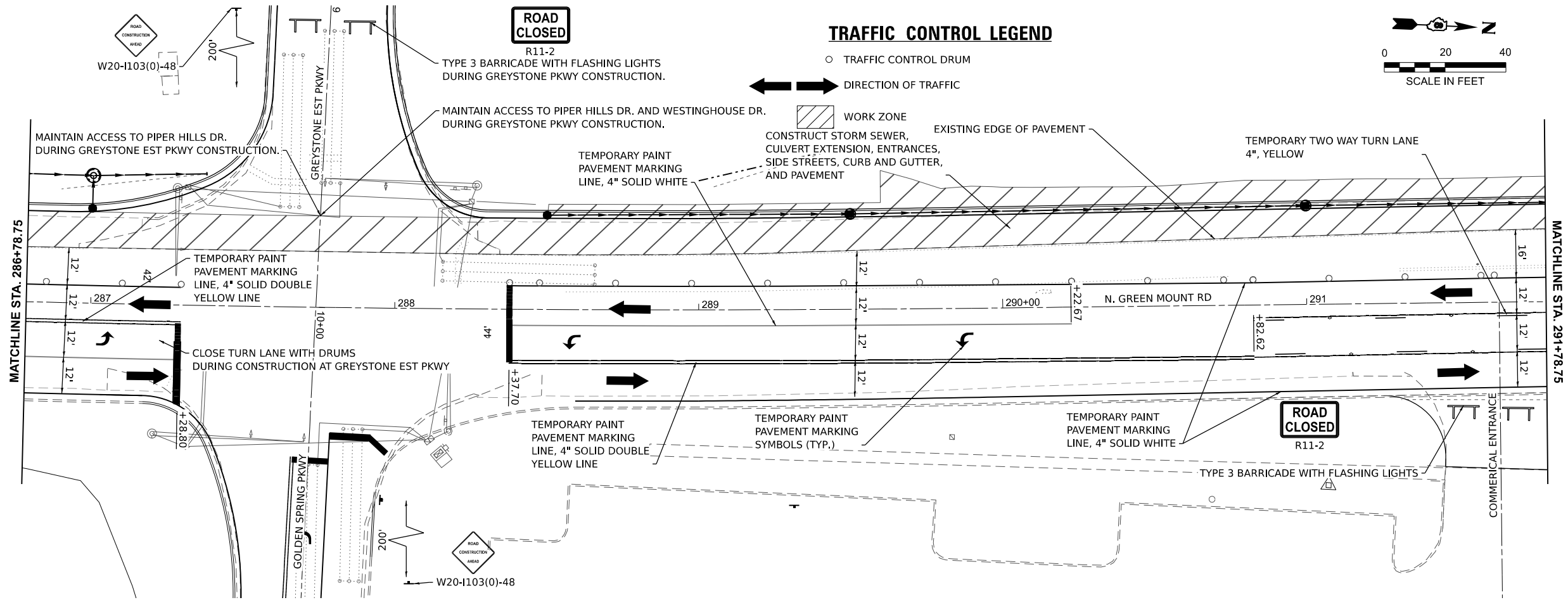


ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

STAGE 4 SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SHEETS			
SCALE:	SHEET 15	OF 19	SHEETS
STA.	TO STA.		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	47
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



MODEL: Ex_GmMnt - Plan 5 (Sheet)
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\03-shf-stage 2.dgn



USER NAME	= rylene.wirtjes	DESIGNED	-	REVISED	-
DRAWN	-	REVISION	-	REVISION	-
CHECKED	-	REVISION	-	REVISION	-
DATE	-	REVISION	-	REVISION	-
PLOT DATE	= 6/20/2025				



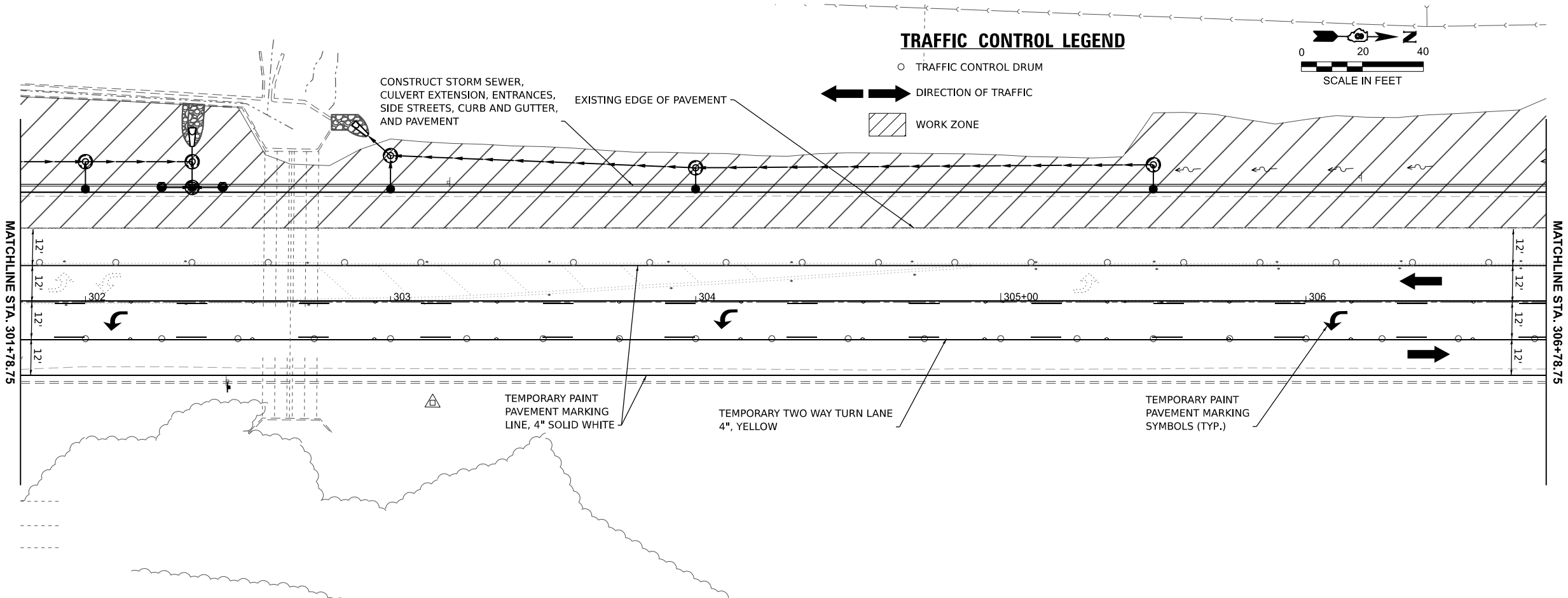
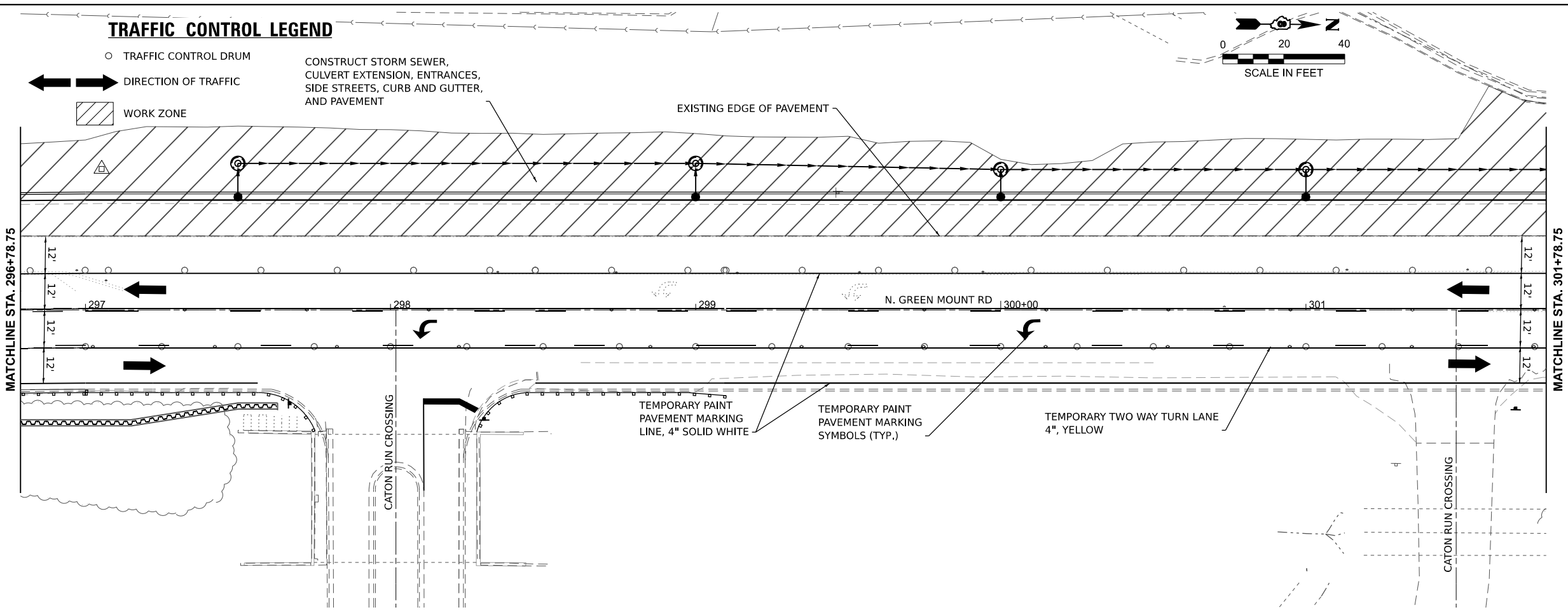
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

STAGE 4
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SHEETS

SCALE: SHEET 16 OF 19 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	48
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



MODEL: Ex: GrnMnt - Plan 7 (Sheet)
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\03-shr-stage 2.dgn

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ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = ryne.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/20/2025	DATE -	REVISED -

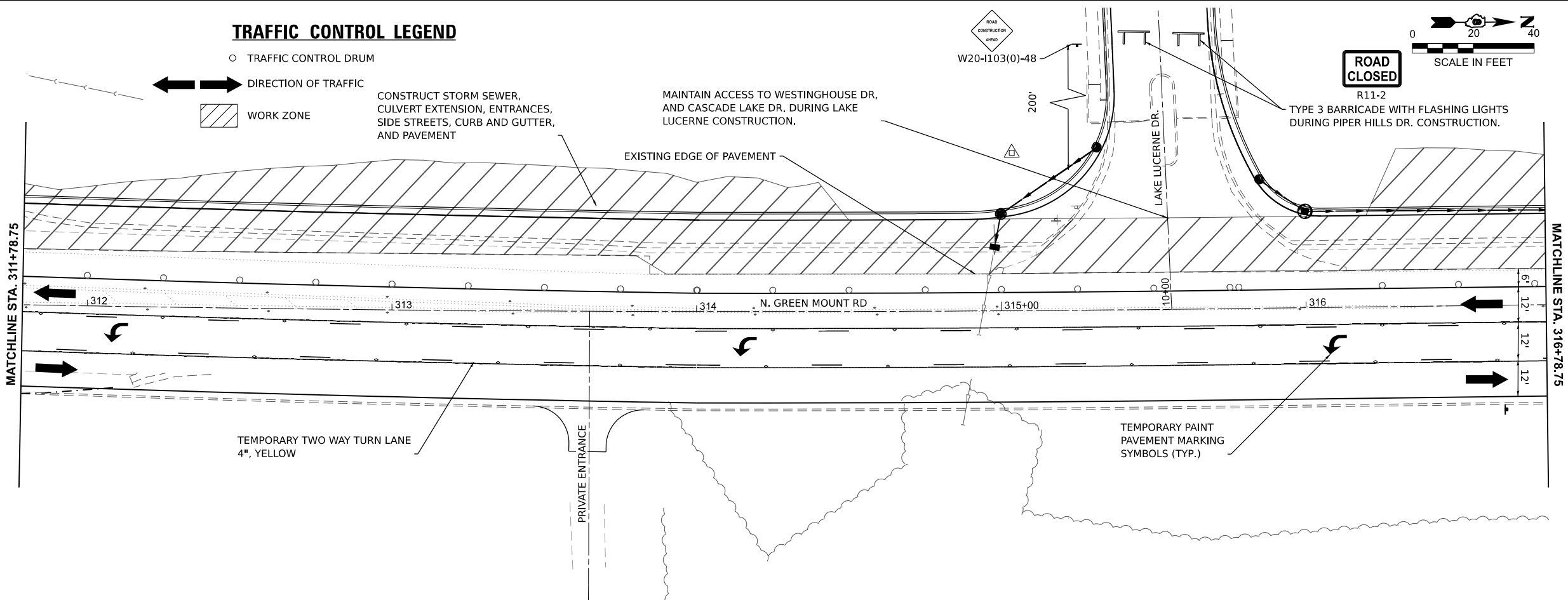
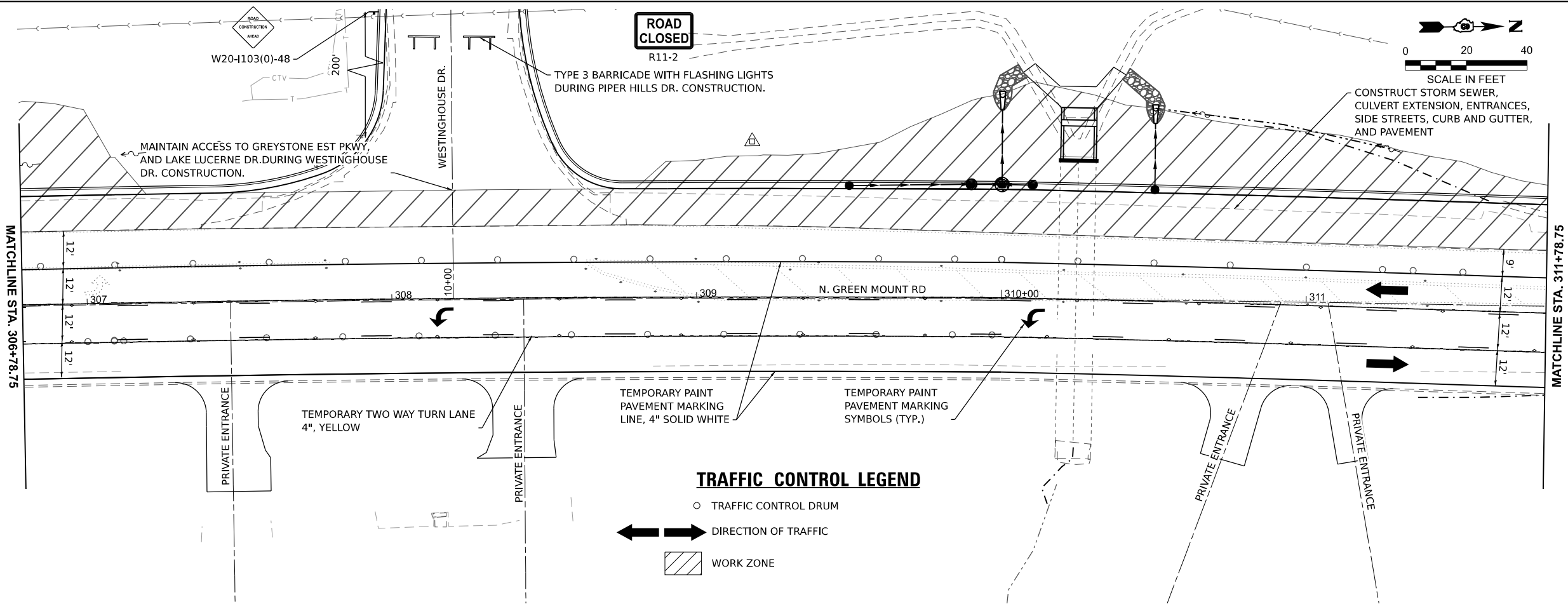
 **ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES**

STAGE 4
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SHEETS

SCALE:	SHEET 17	OF 19	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	49
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



MODEL: Ex: GrnMnt - Plan 9 (Sheet)
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\D8223103-sht-stage 2.dgn



USER NAME	= ryne.wirtjes	DESIGNED	-	REVISED	-
DRAWN	-	REVISION	-	REVISION	-
CHECKED	-	REVISION	-	REVISION	-
PLOT DATE	= 6/20/2025	DATE	-	REVISION	-

ST. CLAIR COUNTY
DEPARTMENT OF ROADS AND BRIDGES

STAGE 4
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL SHEETS

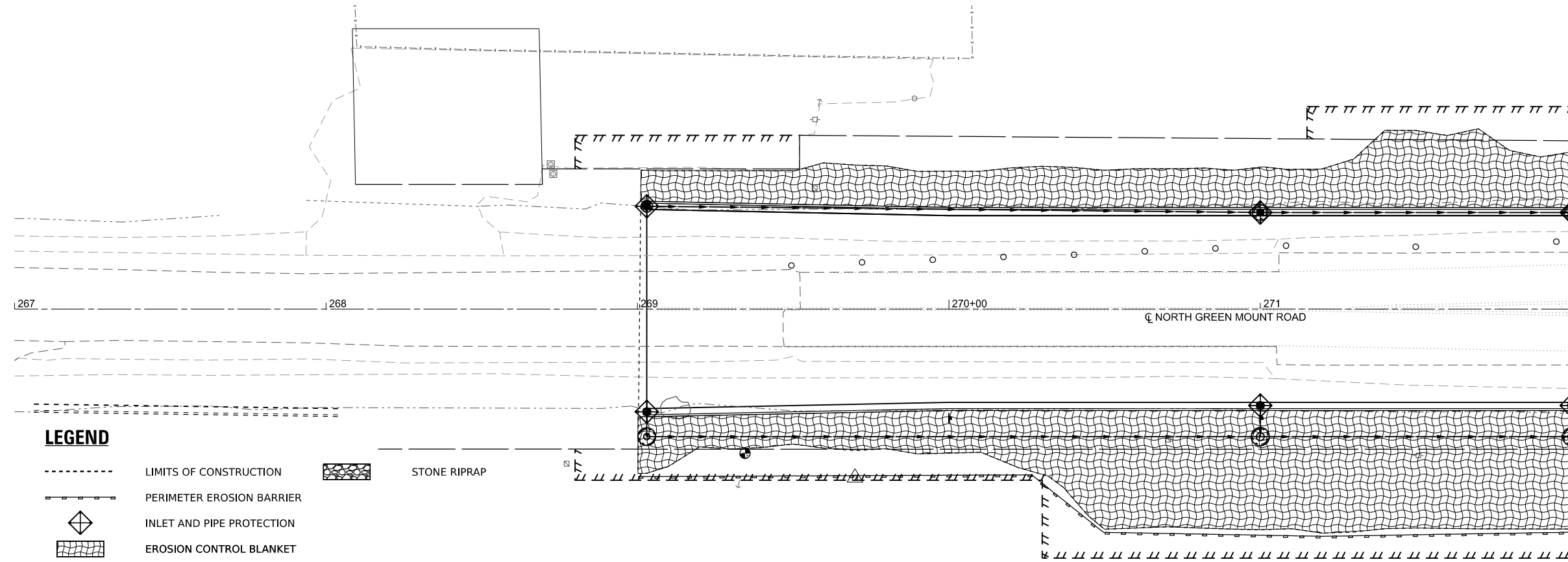
SCALE: SHEET 18 OF 19 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	50
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



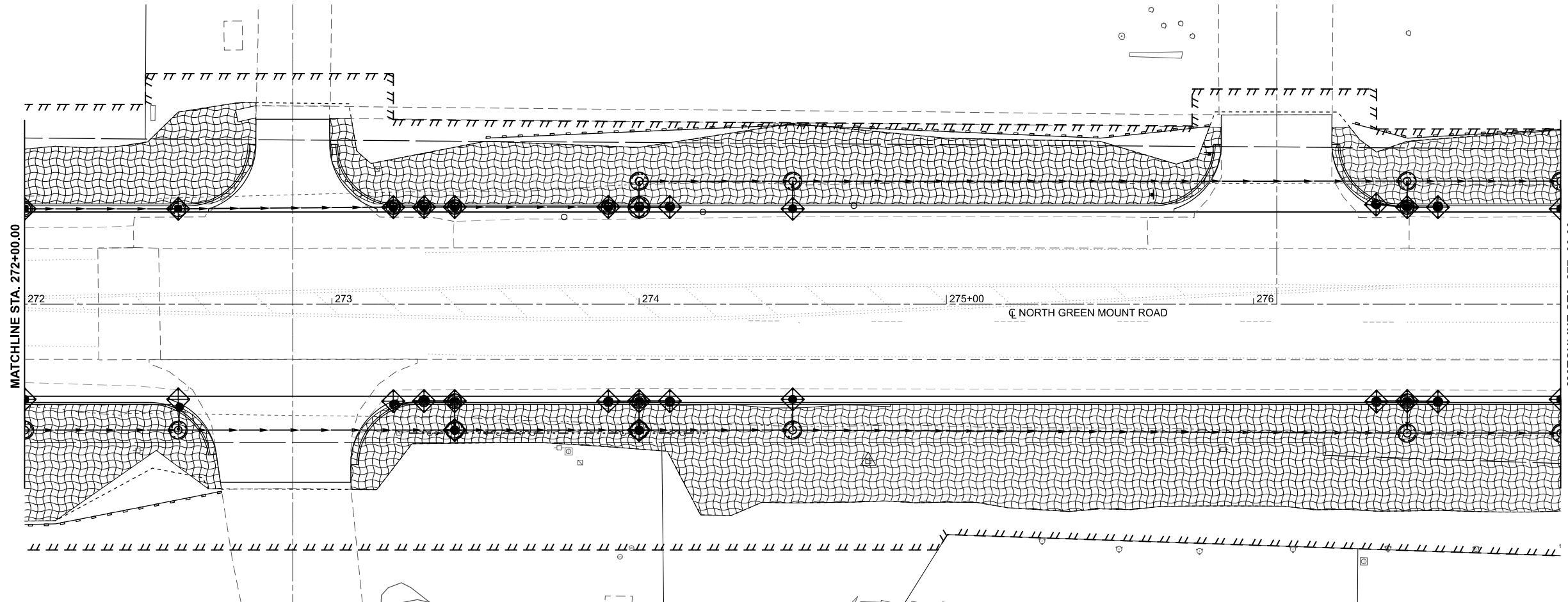
DITCH CHECK SPACING		
% SLOPE	HT. AT CENTER OVERFLOW PT. DITCH CHECK	SPACING OF DITCH CHECK IN FEET
8%	1.0 FT.	13
	1.5 FT.	20
	2.0 FT.	26
7%	1.0 FT.	14
	1.5 FT.	21
	2.0 FT.	28
6%	1.0 FT.	17
	1.5 FT.	26
	2.0 FT.	34
5%	1.0 FT.	20
	1.5 FT.	30
	2.0 FT.	40
4%	1.0 FT.	25
	1.5 FT.	38
	2.0 FT.	50
3%	1.0 FT.	33
	1.5 FT.	50
	2.0 FT.	66
2%	1.0 FT.	50
	1.5 FT.	75
	2.0 FT.	100
1% & BELOW	1.0 FT.	100
	1.5 FT.	150
	2.0 FT.	200



LEGEND

- LIMITS OF CONSTRUCTION
- PERIMETER EROSION BARRIER
- ◆ INLET AND PIPE PROTECTION
- ▨ EROSION CONTROL BLANKET
- ▨ STONE RIPRAP

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY ENGINEER.



MODEL: Ex_GmMn1 - Eros Sheets - Sht 1 [Sheet]
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\03-eroc.dgn



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USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -
PLOT DATE = 6/16/2025		



**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

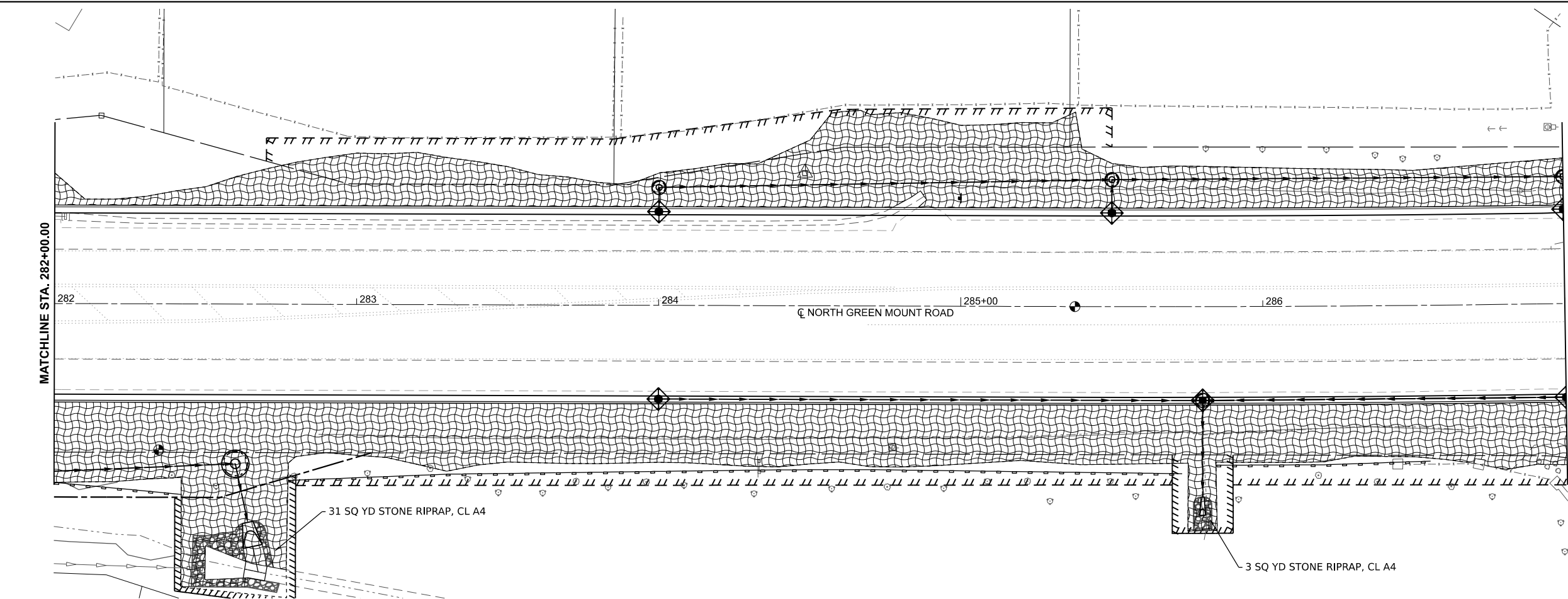
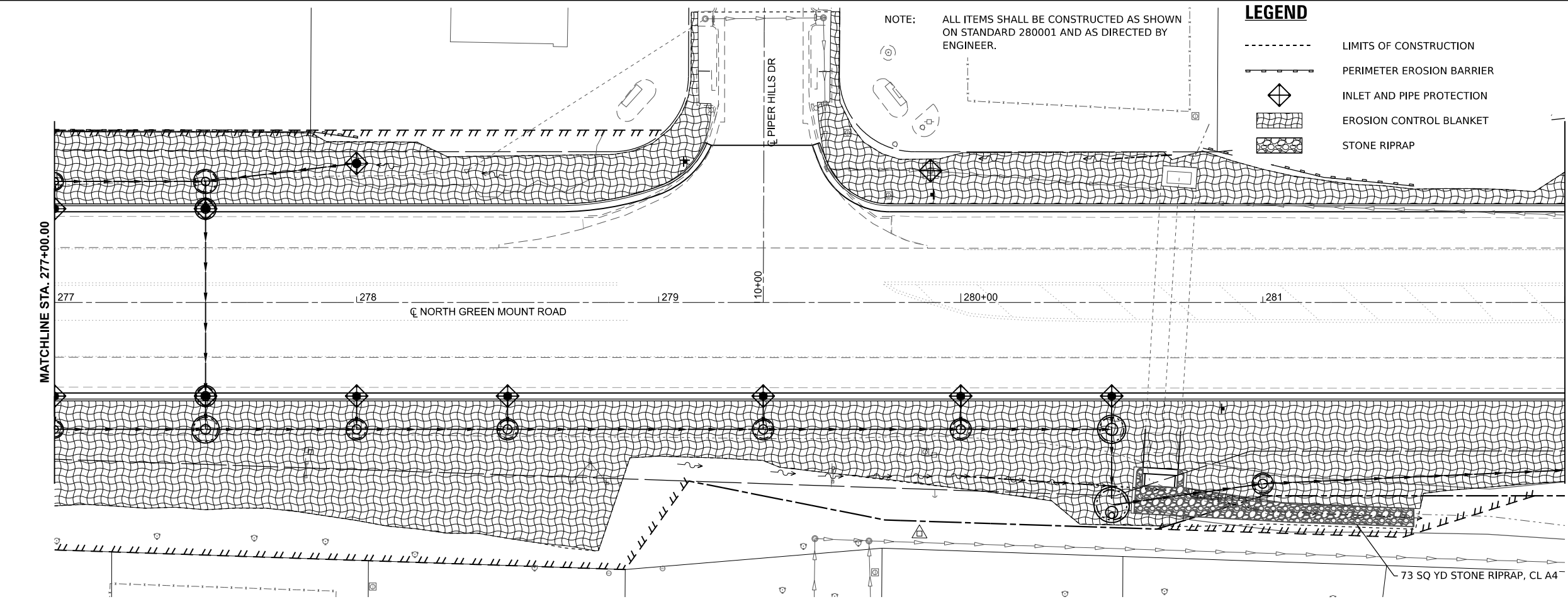
EROSION CONTROL SHEETS

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	52
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

MODEL: Ex: GrdMnt-1 - Erosion Sheets - Sht 2 [Sheet]
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\08223103-sh-eros.dgn



USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/18/2025	DATE -	REVISED -



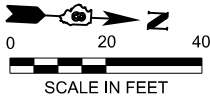
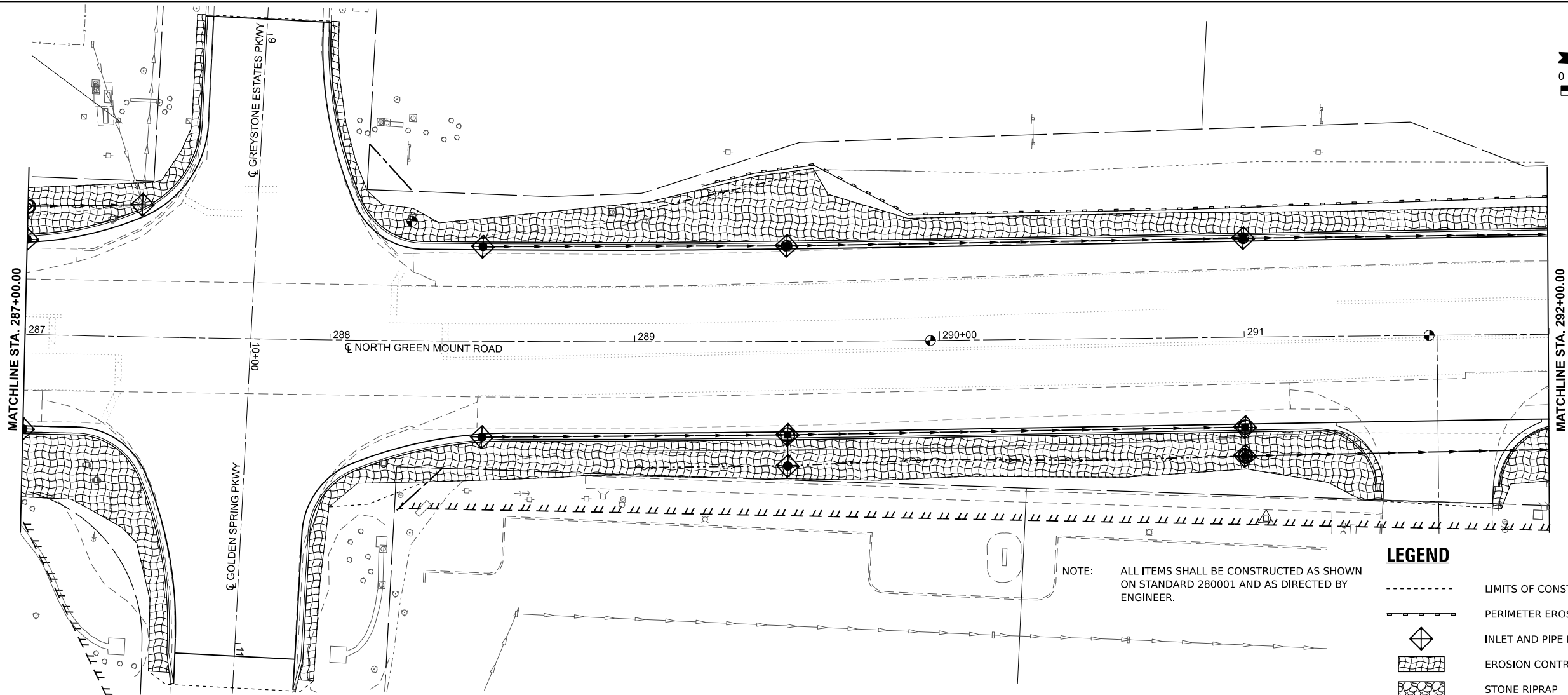
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

EROSION CONTROL SHEETS

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	53
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

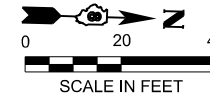
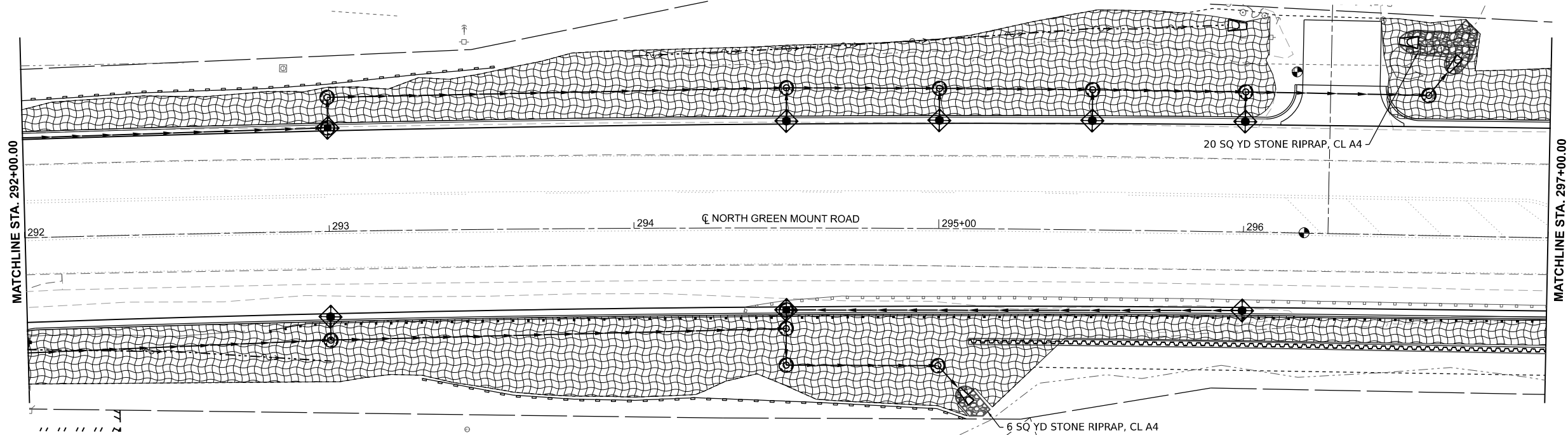
16-00333-17-PW



NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY ENGINEER.

LEGEND

- LIMITS OF CONSTRUCTION
- ===== PERIMETER EROSION BARRIER
- ◊ INLET AND PIPE PROTECTION
- [Cross-hatched pattern] EROSION CONTROL BLANKET
- [Stippled pattern] STONE RIPRAP



MODEL: Ex_GmMn1 - Eros Sheets - Sht 3 [Sheet]
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\0223103-eh-eros.dgn



USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/18/2025	DATE -	REVISED -



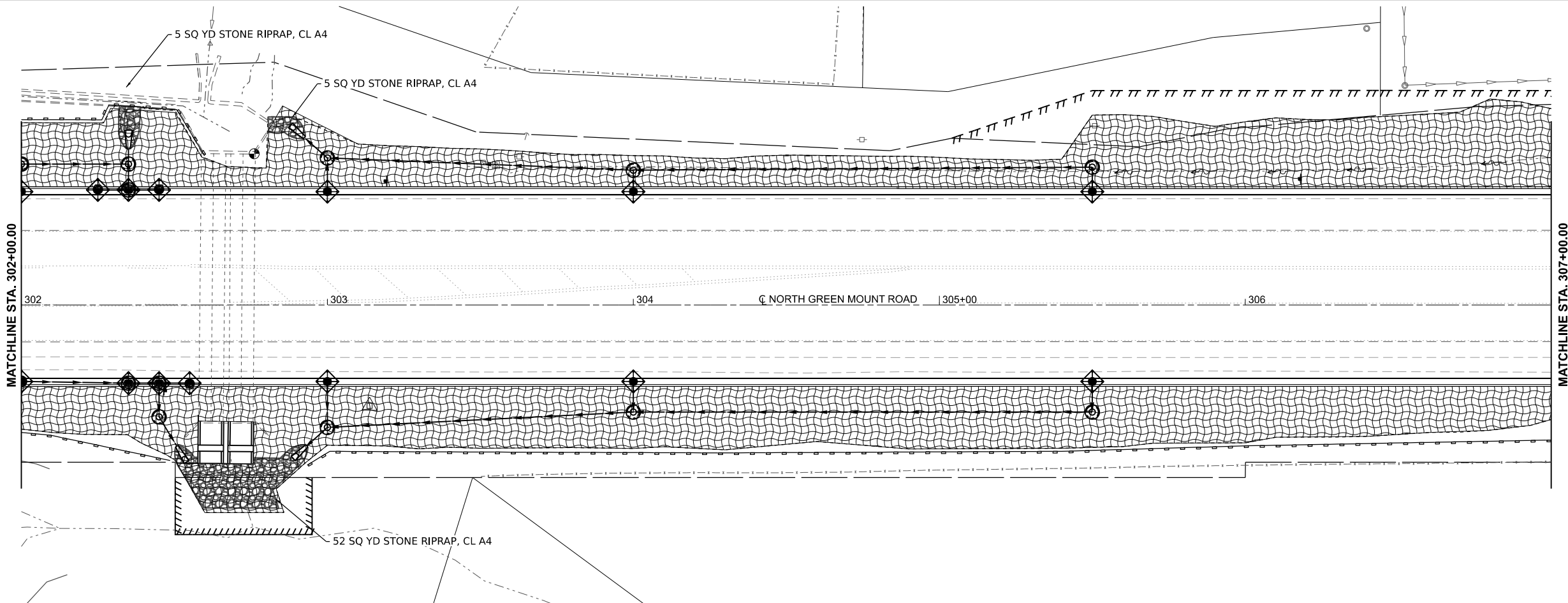
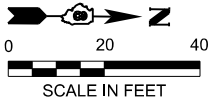
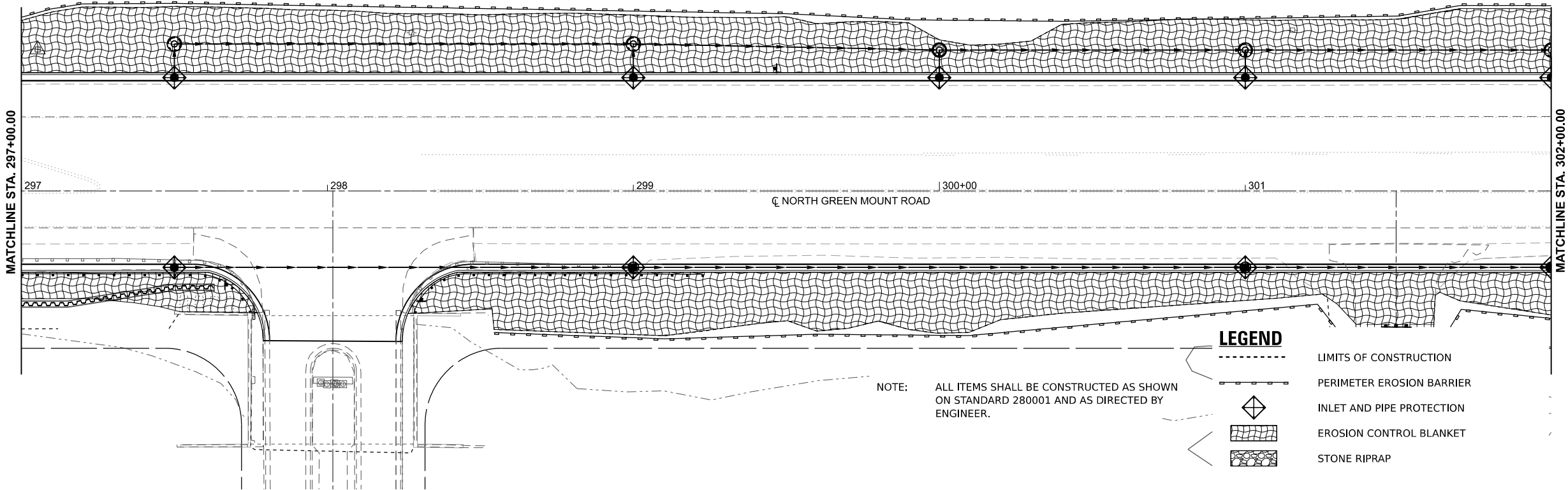
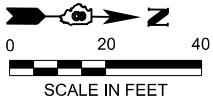
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

EROSION CONTROL SHEETS

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	54
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



MODEL: Ex_GmMnt-1 - Eros Sheets - Sht 4 (Sheet)
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USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/18/2025	DATE -	REVISED -



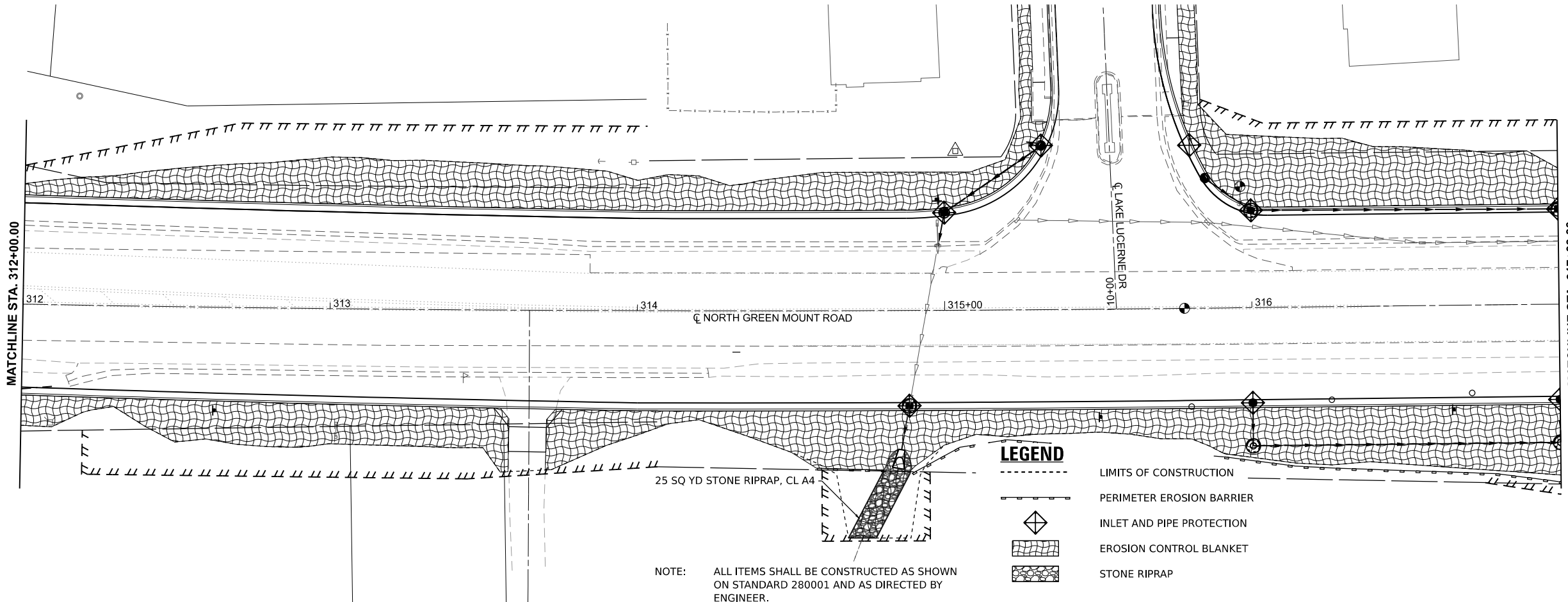
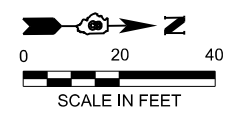
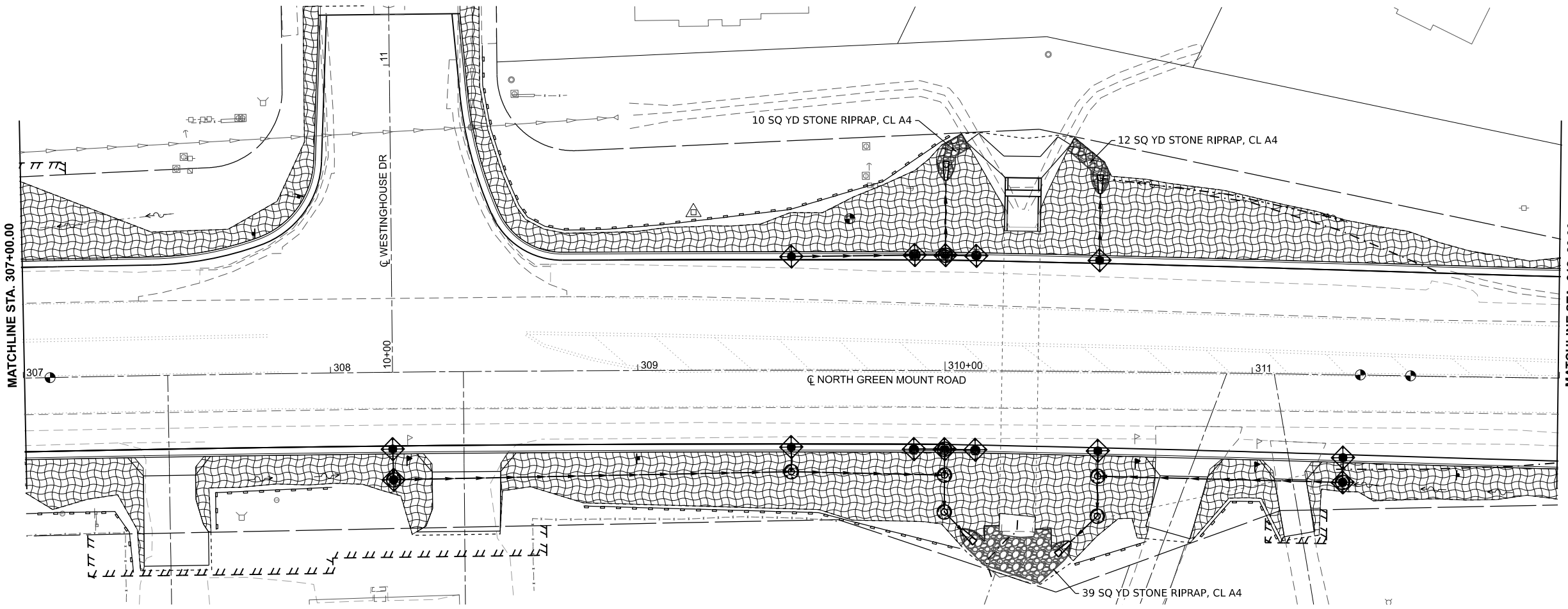
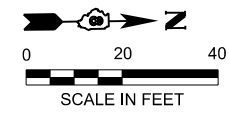
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

EROSION CONTROL SHEETS

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	55
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



LEGEND

- LIMITS OF CONSTRUCTION
- - - PERIMETER EROSION BARRIER
- ◆ INLET AND PIPE PROTECTION
- ▨ EROSION CONTROL BLANKET
- ▩ STONE RIPRAP

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY ENGINEER.

MODEL: Ex_GmMn1 - Eros Sheets - Sht 5 [Sheet]
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\08223103-sht-eros.dgn



USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/18/2025	DATE -	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

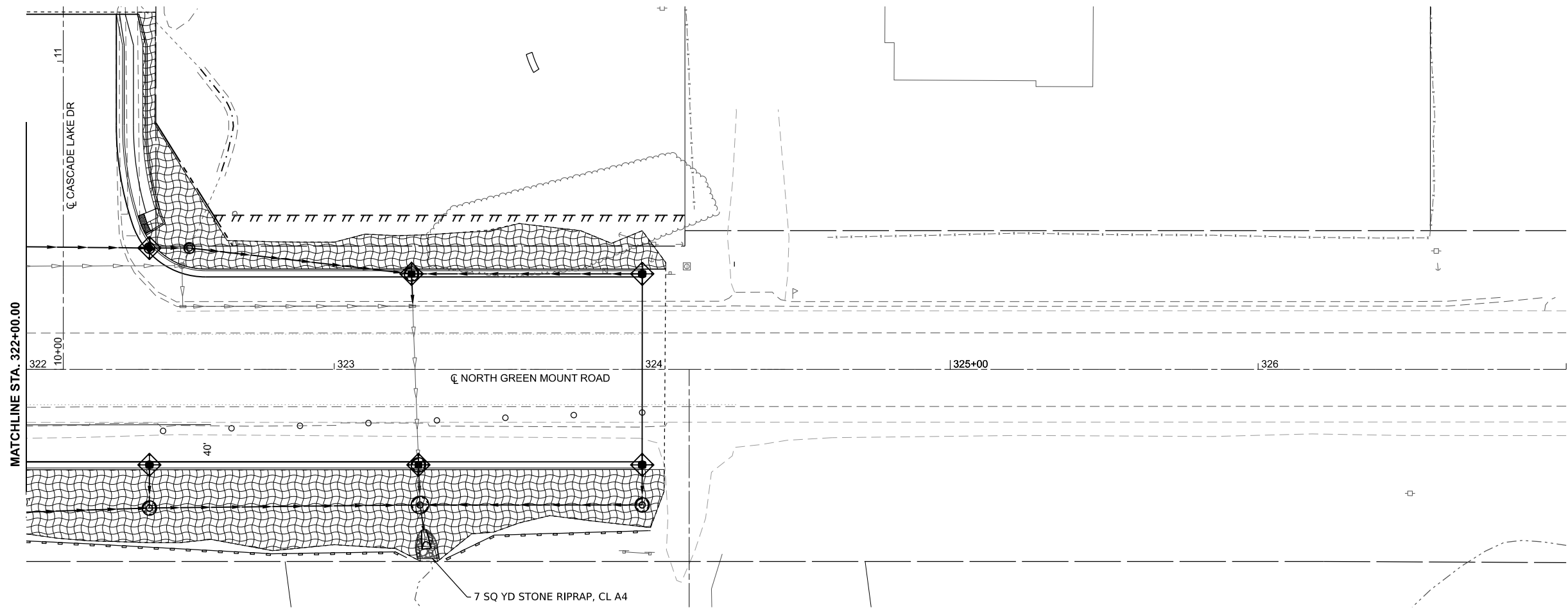
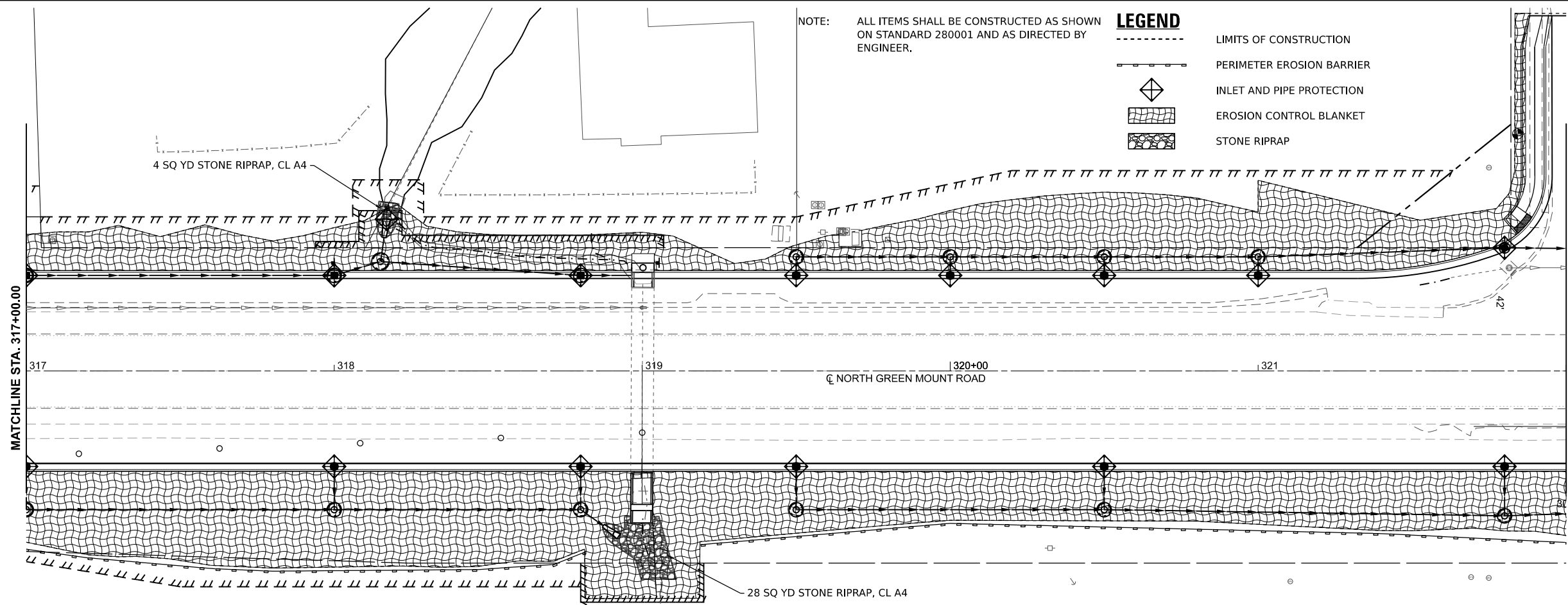
EROSION CONTROL SHEETS

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	56
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

MODEL: Ex_GmMn1 - Eros Sheets - Sht 6 [Sheet]
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\08223103-elt-eros.dgn



USER NAME = kaia.morena	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -
PLOT DATE = 7/17/2025		



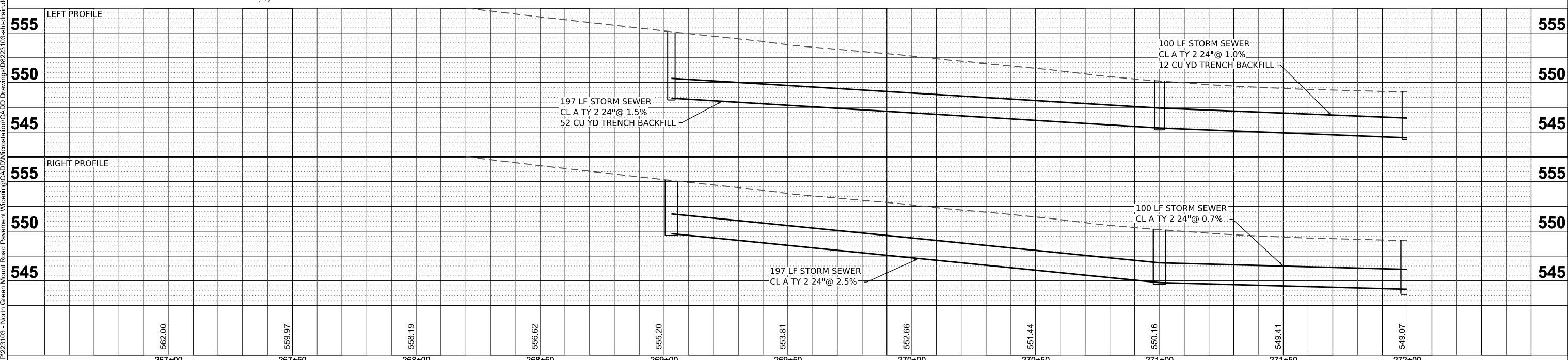
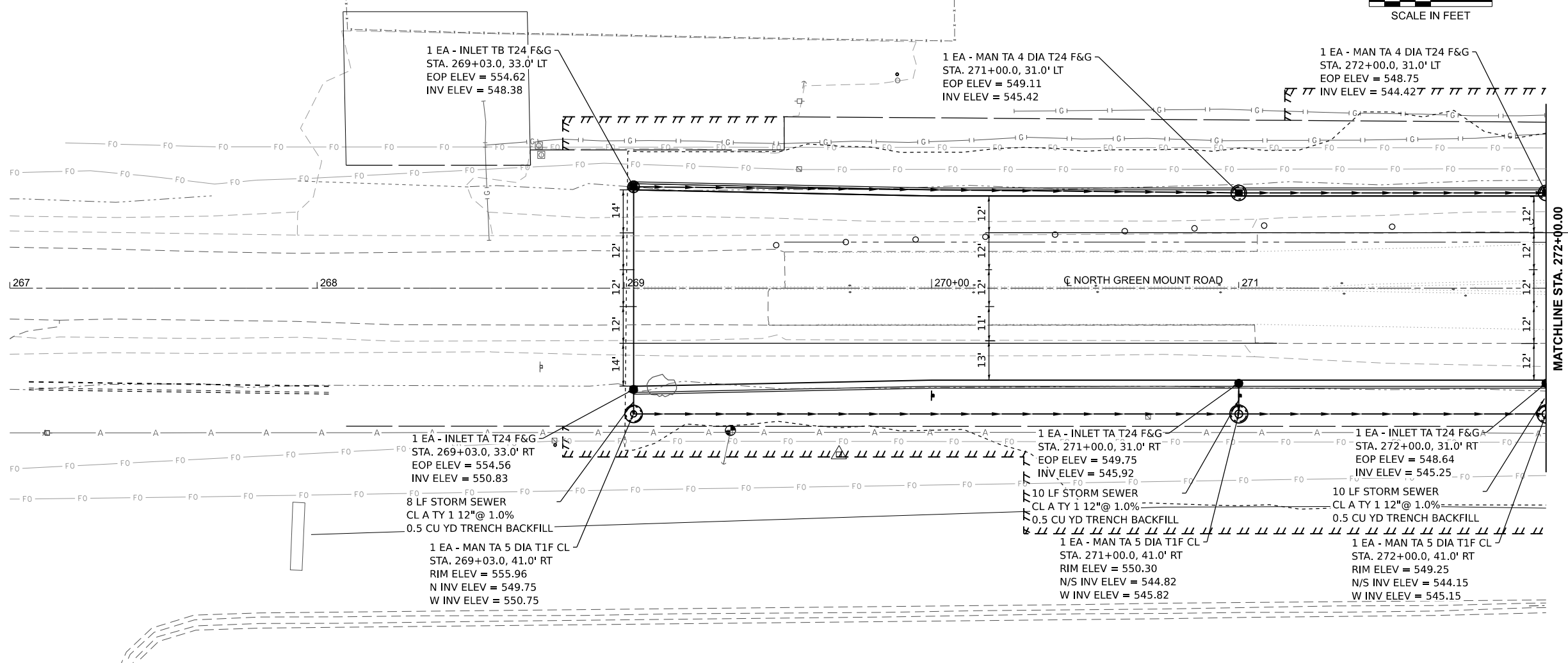
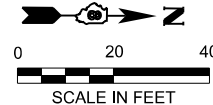
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

EROSION CONTROL SHEETS

SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	57
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

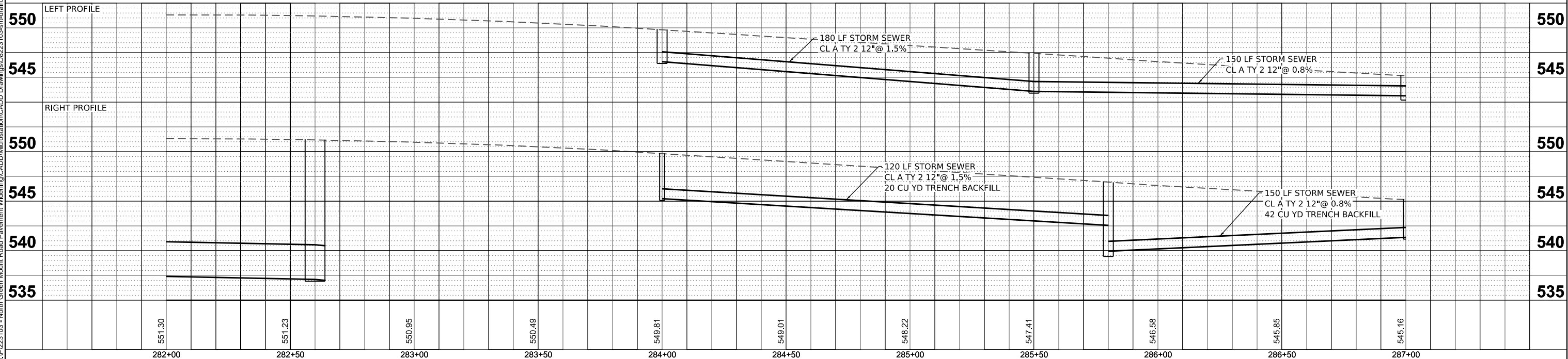
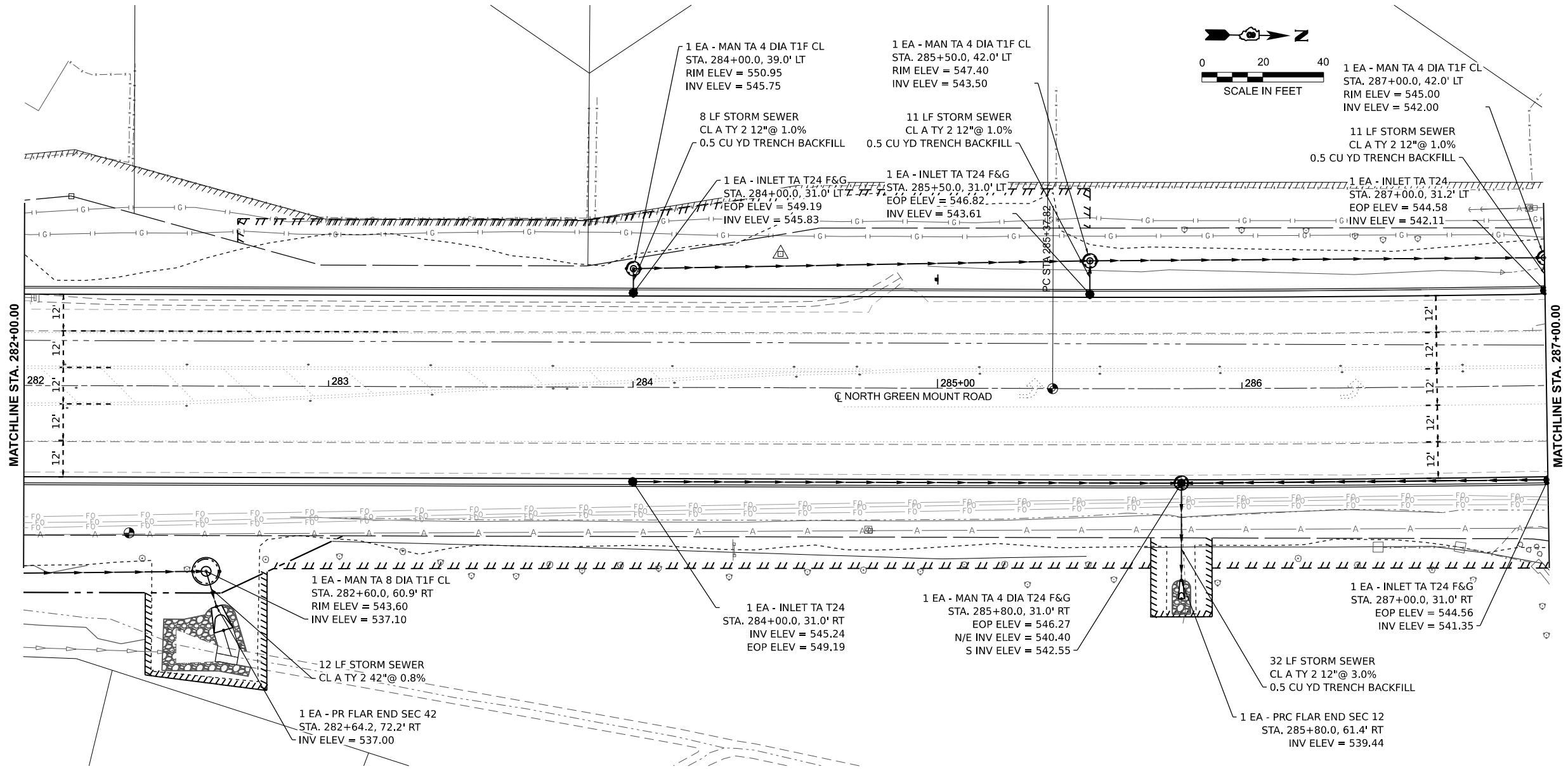
16-00333-17-PW



FILE NAME:  OATES ASSOCIATES www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO: 184.001115	267+00		267+50		268+00		268+50		269+00		269+50		270+00		270+50		271+00		271+50		272+00	
	USER NAME = roshan.pokhrel		DESIGNED -		DRAWN -		REVISED -		 ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES		DRAINAGE SHEETS		F.A.U RTE.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
	9170		16-00333-17-PW		ST. CLAIR		174						58									
													CONTRACT NO. 97873									
	PLOT DATE = 6/19/2025		DATE -		REVISED -		SCALE:						SHEET 1		OF 12 SHEETS		STA.		TO STA.		ILLINOIS	
16-00333-17-PW																						



MODEL: Ex_GmInt - Plan 4 (Sheet)
FILE NAME: H:\P\223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\DR223103-shp-draft.dgn



USER NAME = kaia.morena
PLOT DATE = 7/31/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -



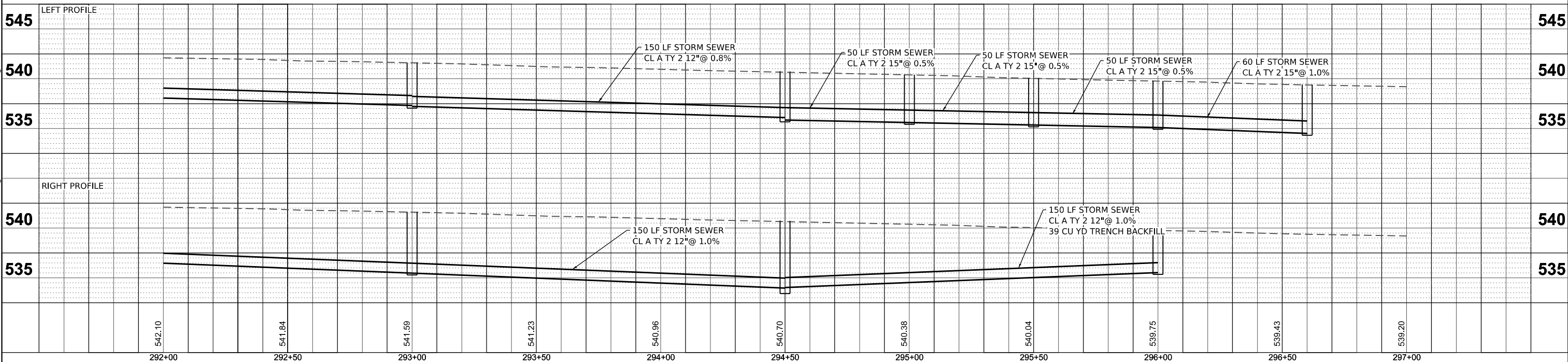
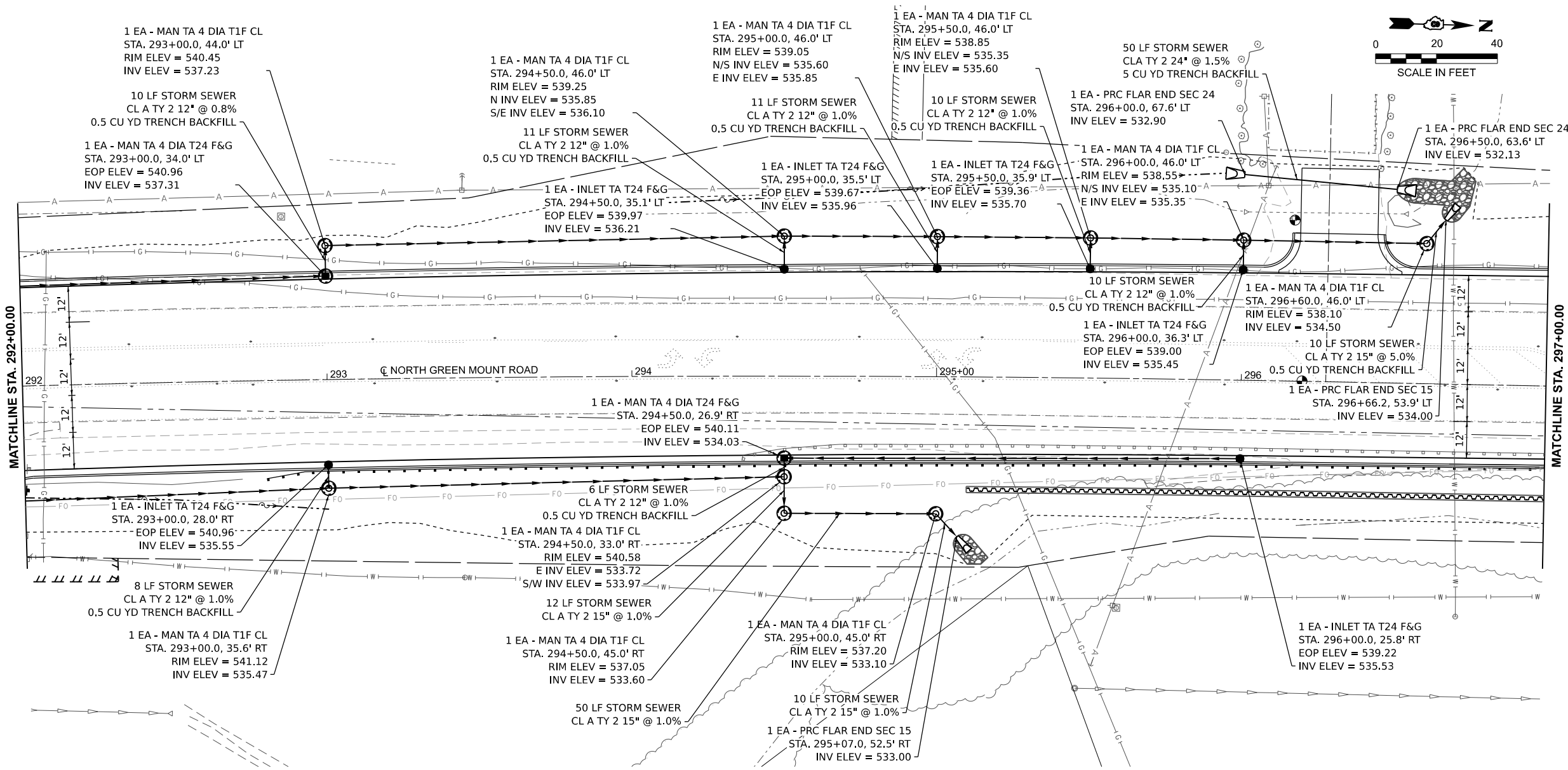
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

DRAINAGE SHEETS

SCALE: SHEET 4 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	61
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



MODEL: Ex: GrdMnt - Plan 6 (Sheet)
FILE NAME: H:\P\223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\223103-6-drain.dgn



USER NAME = roshan.pokhrel
DESIGNED -
DRAWN -
CHECKED -
PLOT DATE = 6/19/2025

REVISD -
REVISD -
REVISD -
REVISD -



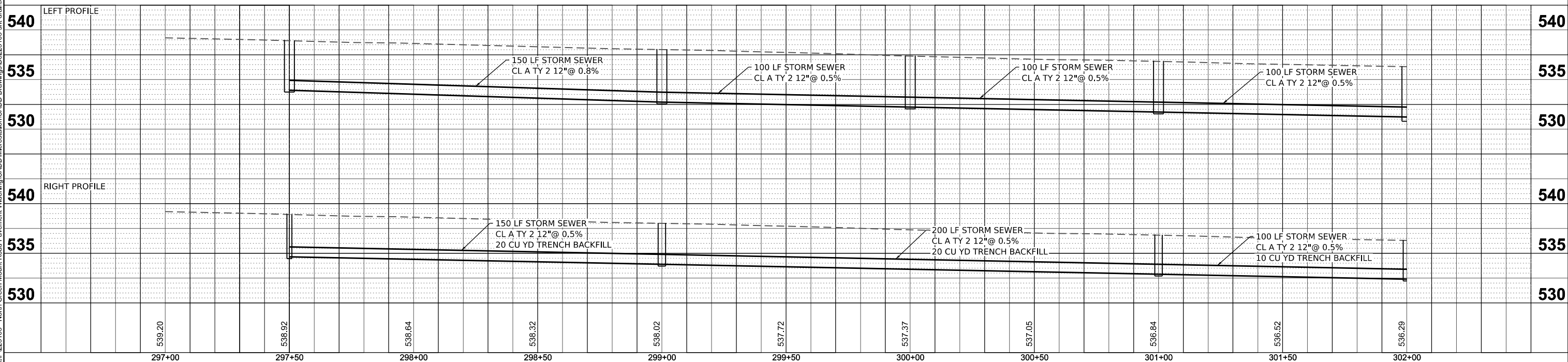
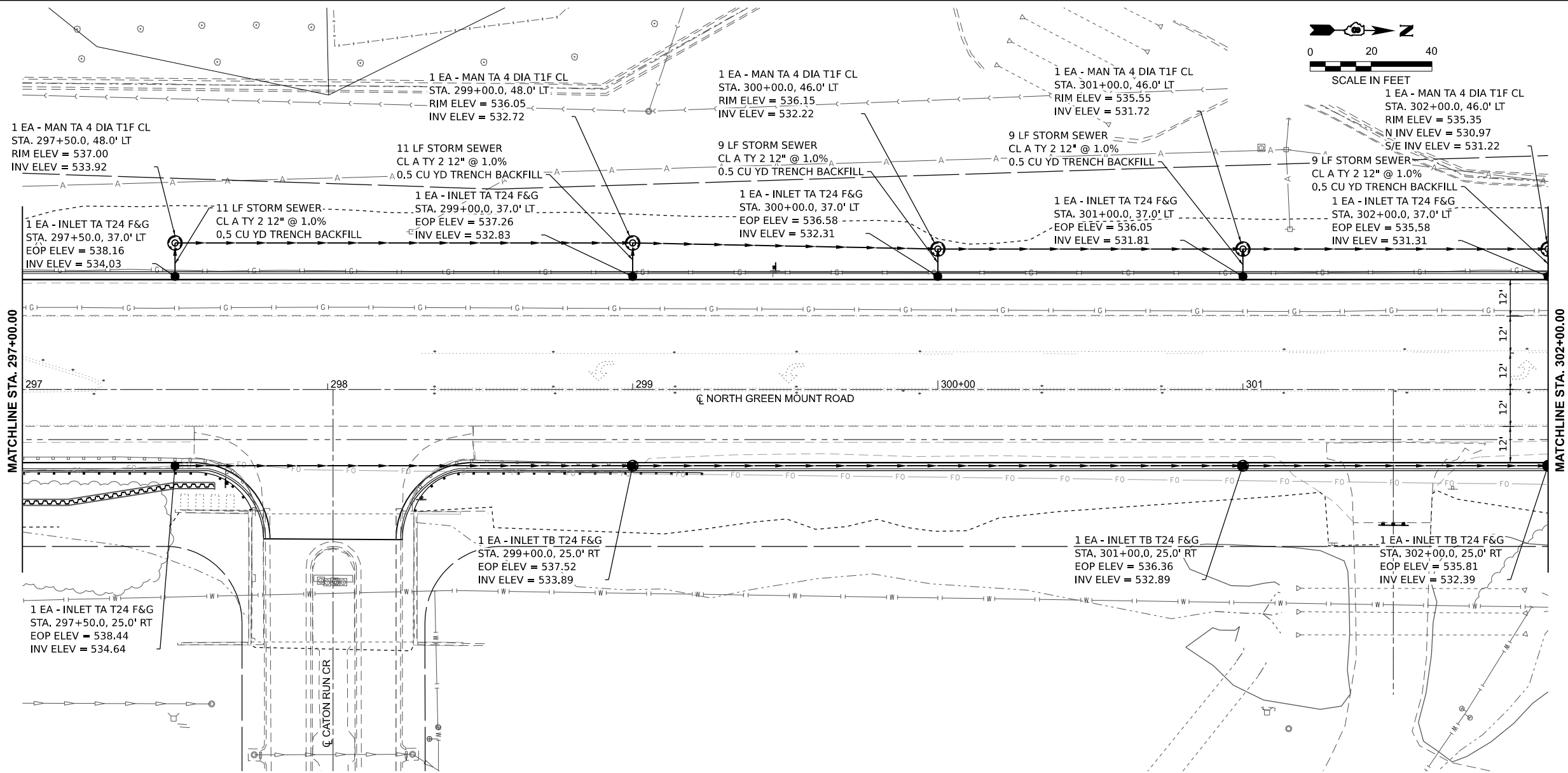
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

DRAINAGE SHEETS

SCALE: SHEET 6 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	63
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



MODEL: Ex: GrdMnt - Plan 7 (Sheet)
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\03-shp-draw.dgn



USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/19/2025	DATE -	REVISED -



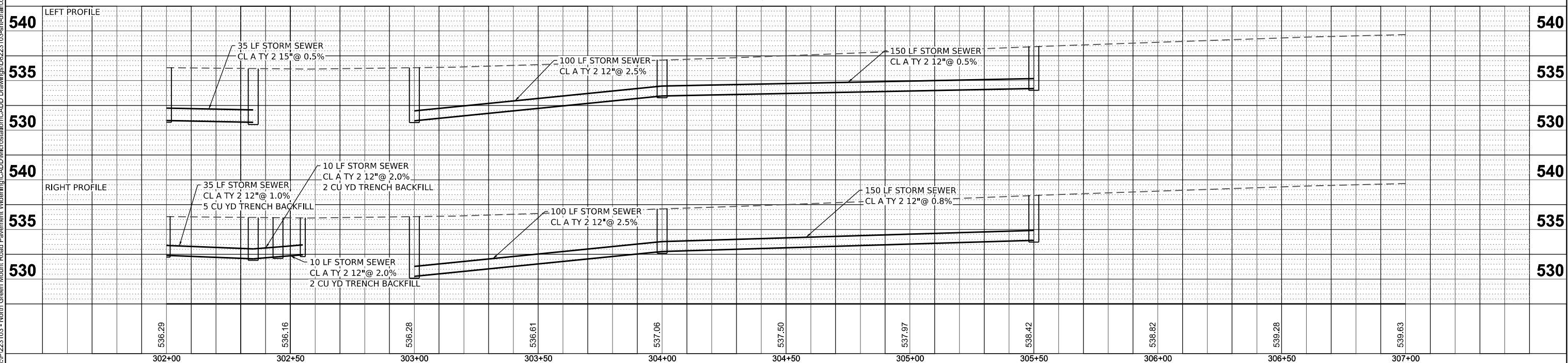
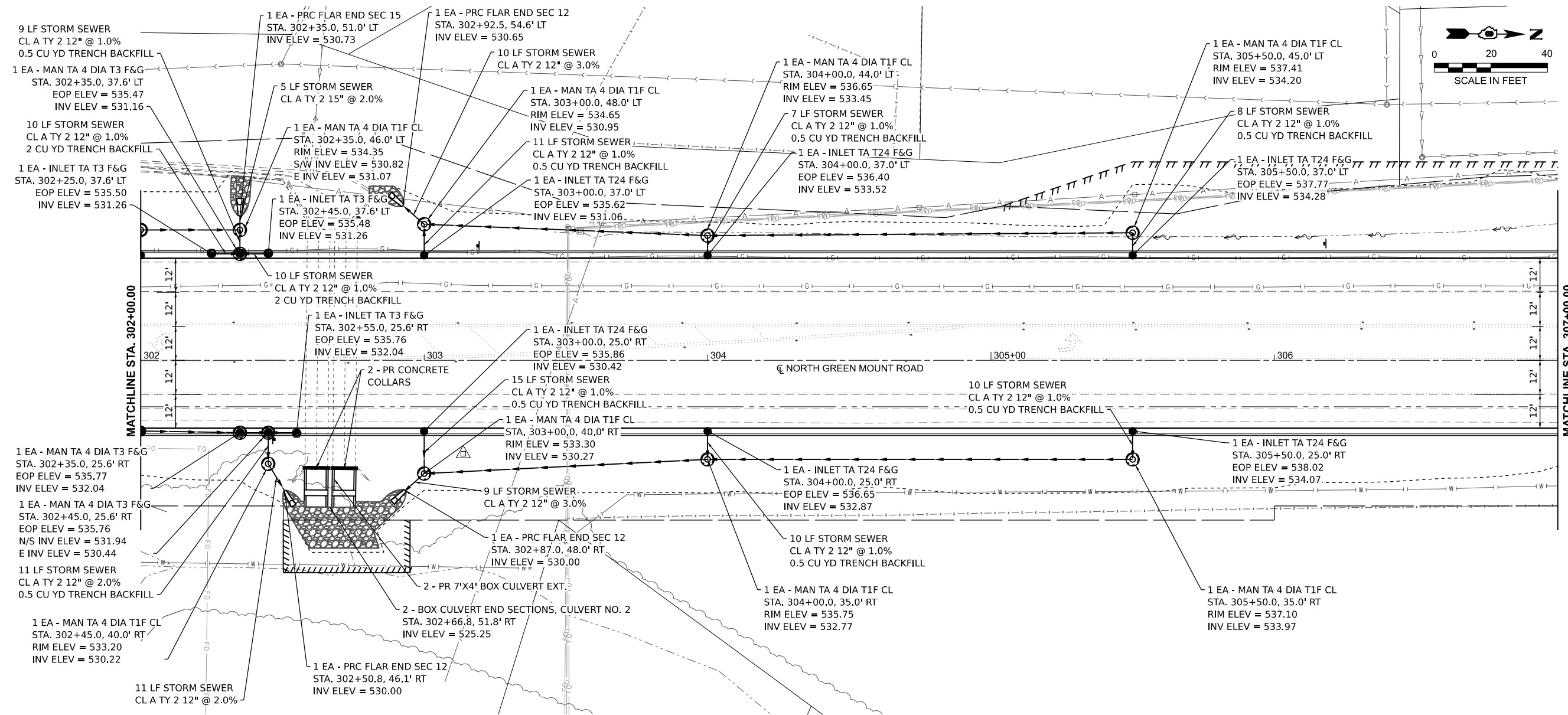
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

DRAINAGE SHEETS

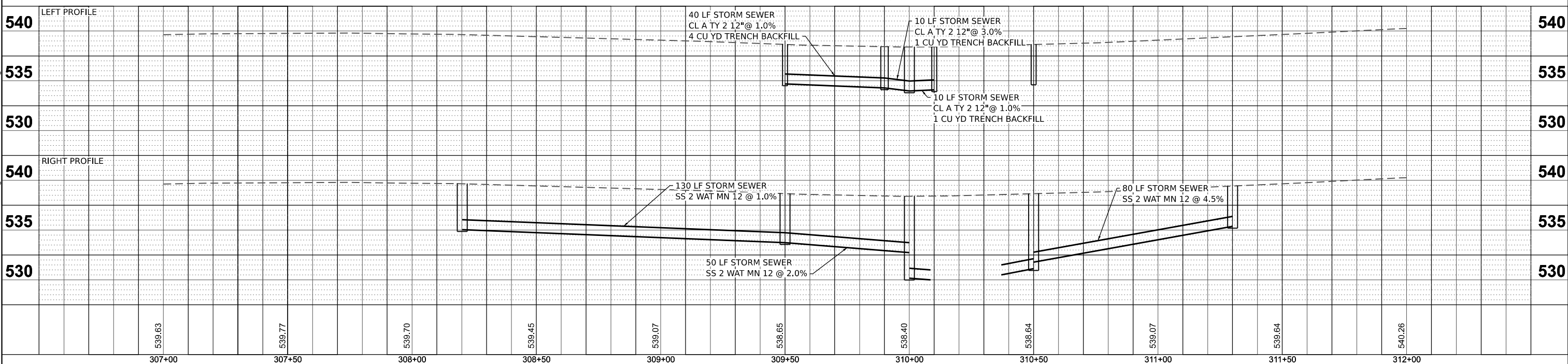
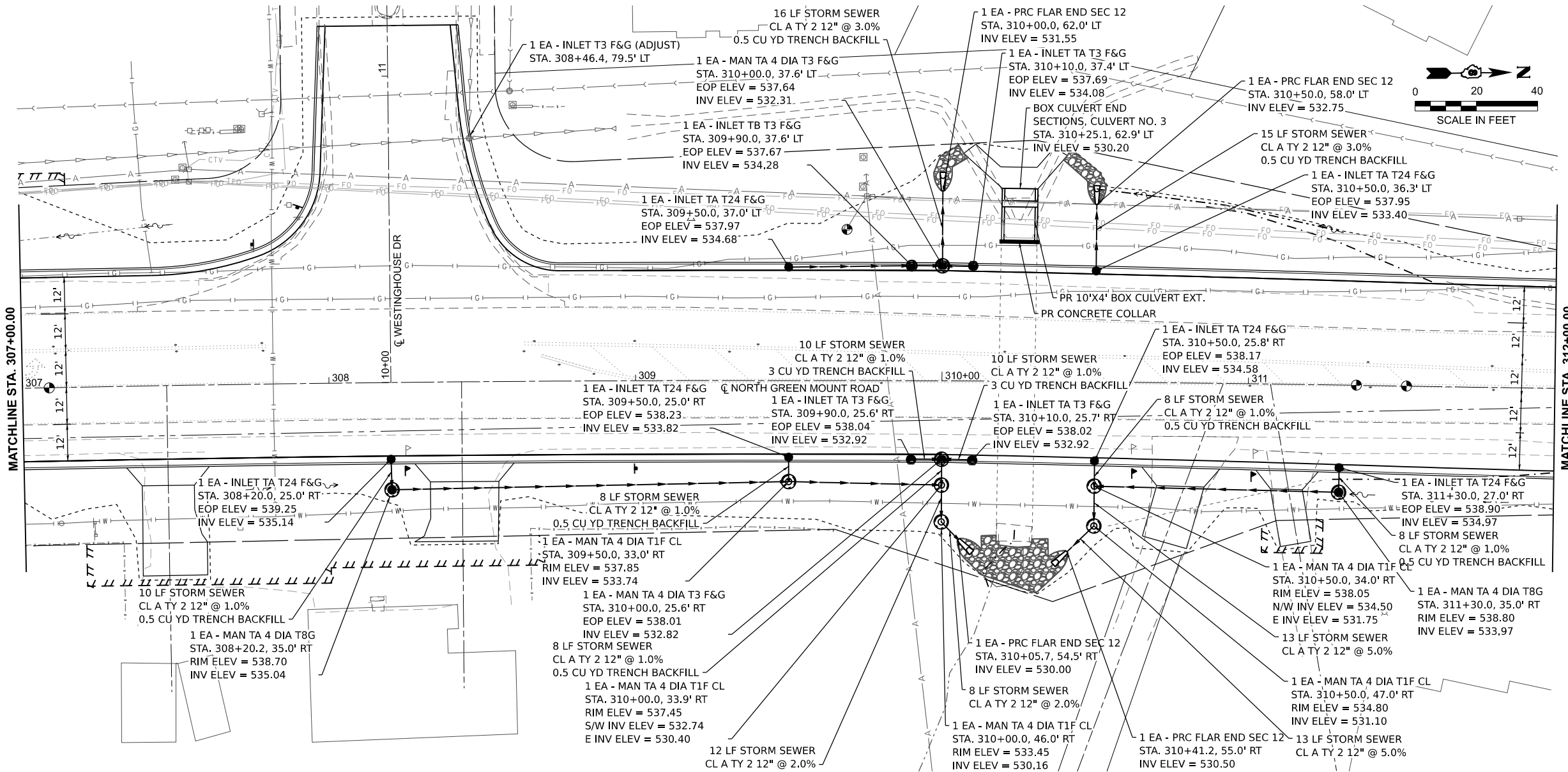
SCALE: SHEET 7 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	64
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



MODEL: Ex GrdMnt - Plan 9 (Sheet)
FILE NAME: H:\P\223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\223103-9-11-draw.dgn



USER NAME = roshan.pokhrel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/19/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

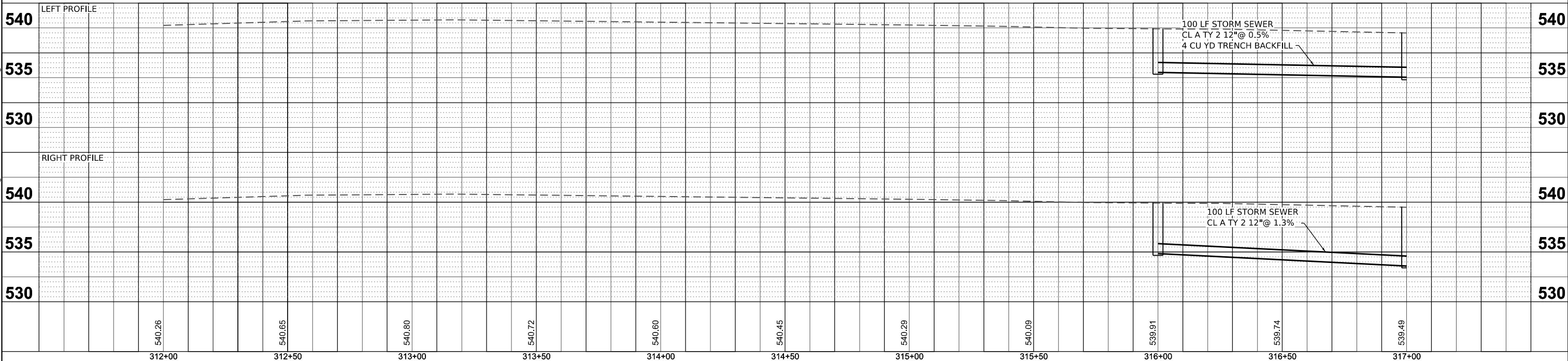
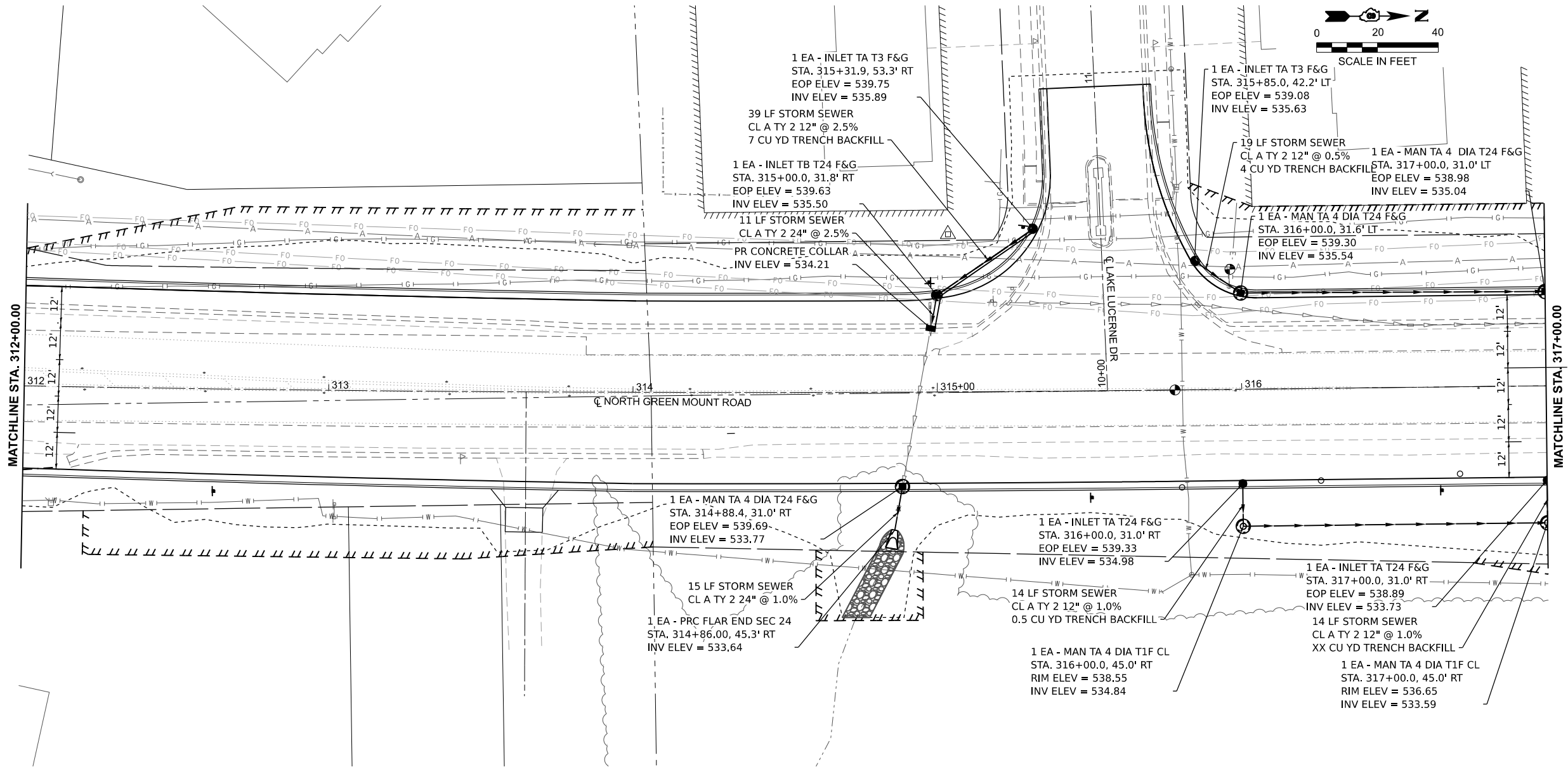
DRAINAGE SHEETS

SCALE: SHEET 9 OF 12 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	66
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

MODEL: Ex: GrdMnt - Plan 10 [Sheet]
FILE NAME: H:\P\223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\DR223103-shp-draw.dgn



USER NAME = roshan.pokhrel
DESIGNED -
DRAWN -
CHECKED -
DATE -
PLOT DATE = 6/19/2025

DESIGNED -
REVISED -
CHECKED -
DATE -
REVISED -
REVISED -



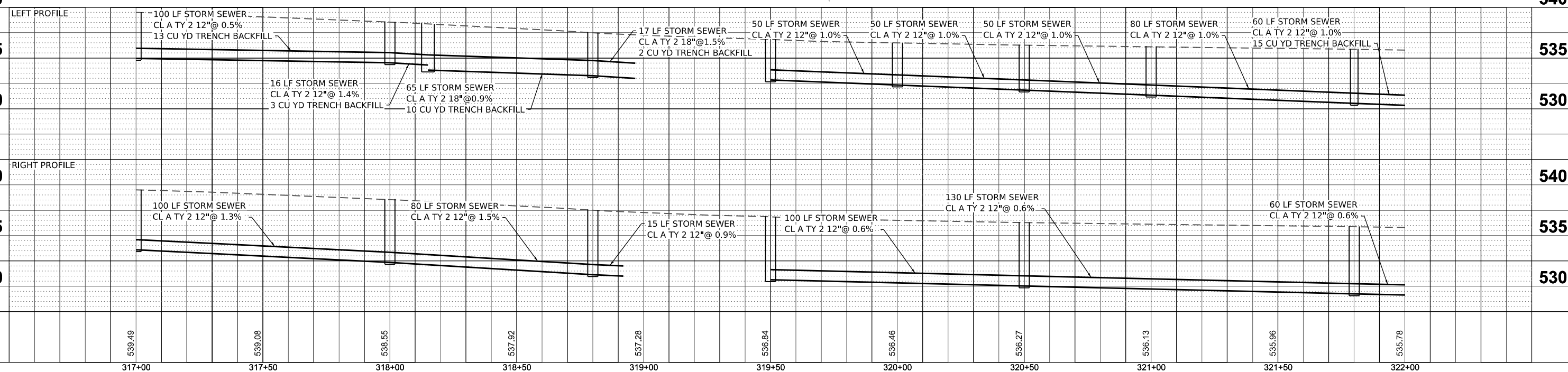
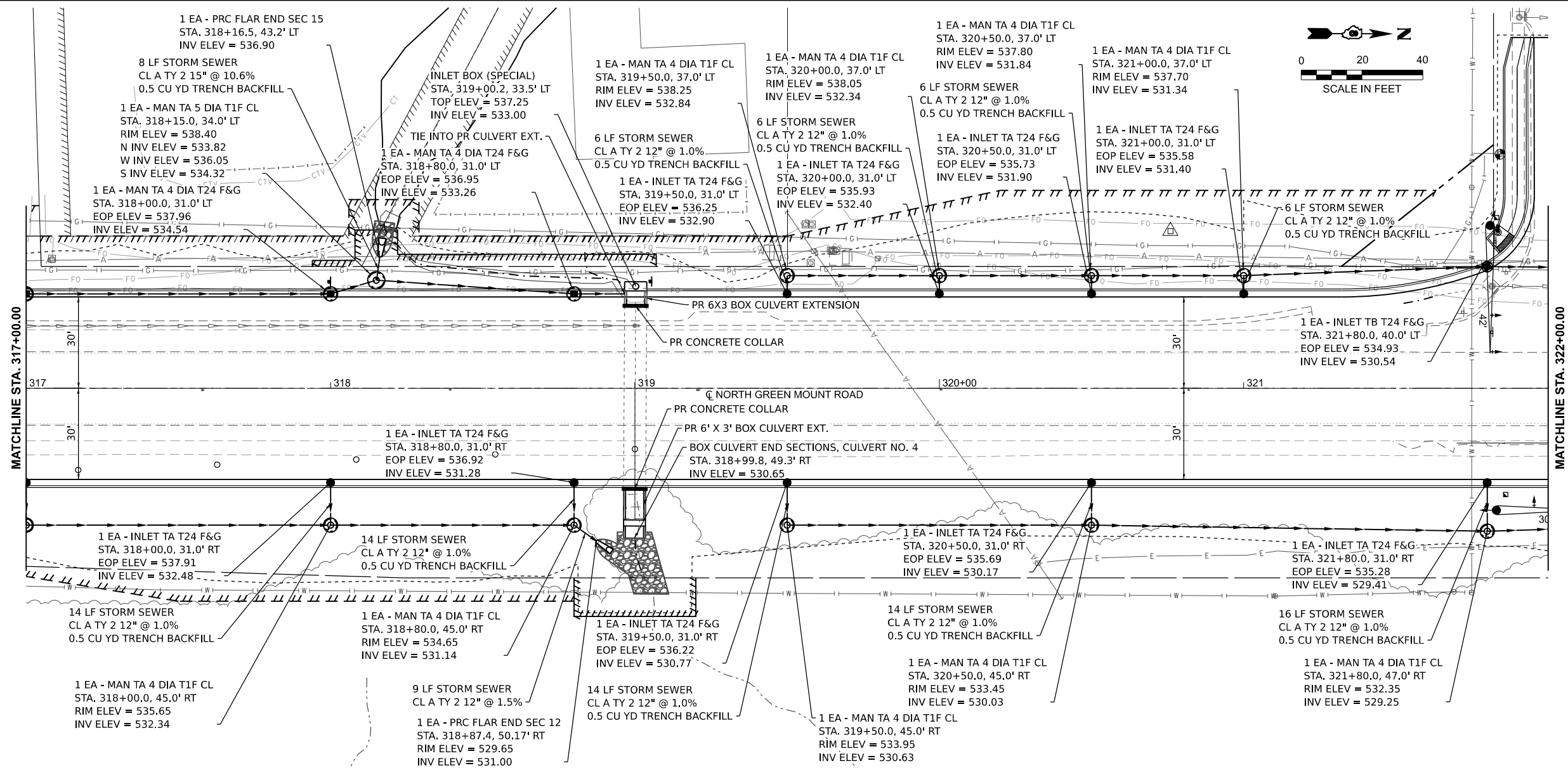
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

DRAINAGE SHEETS

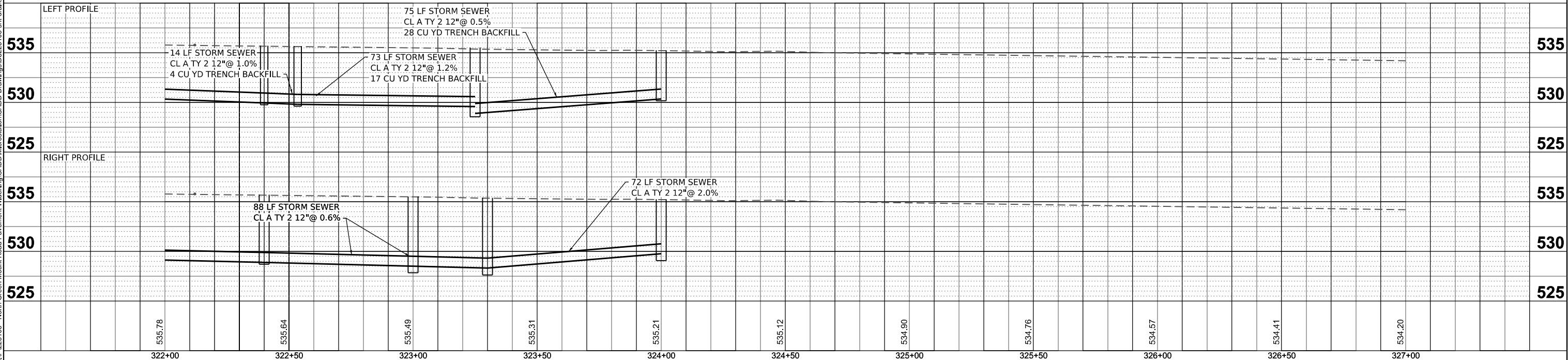
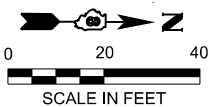
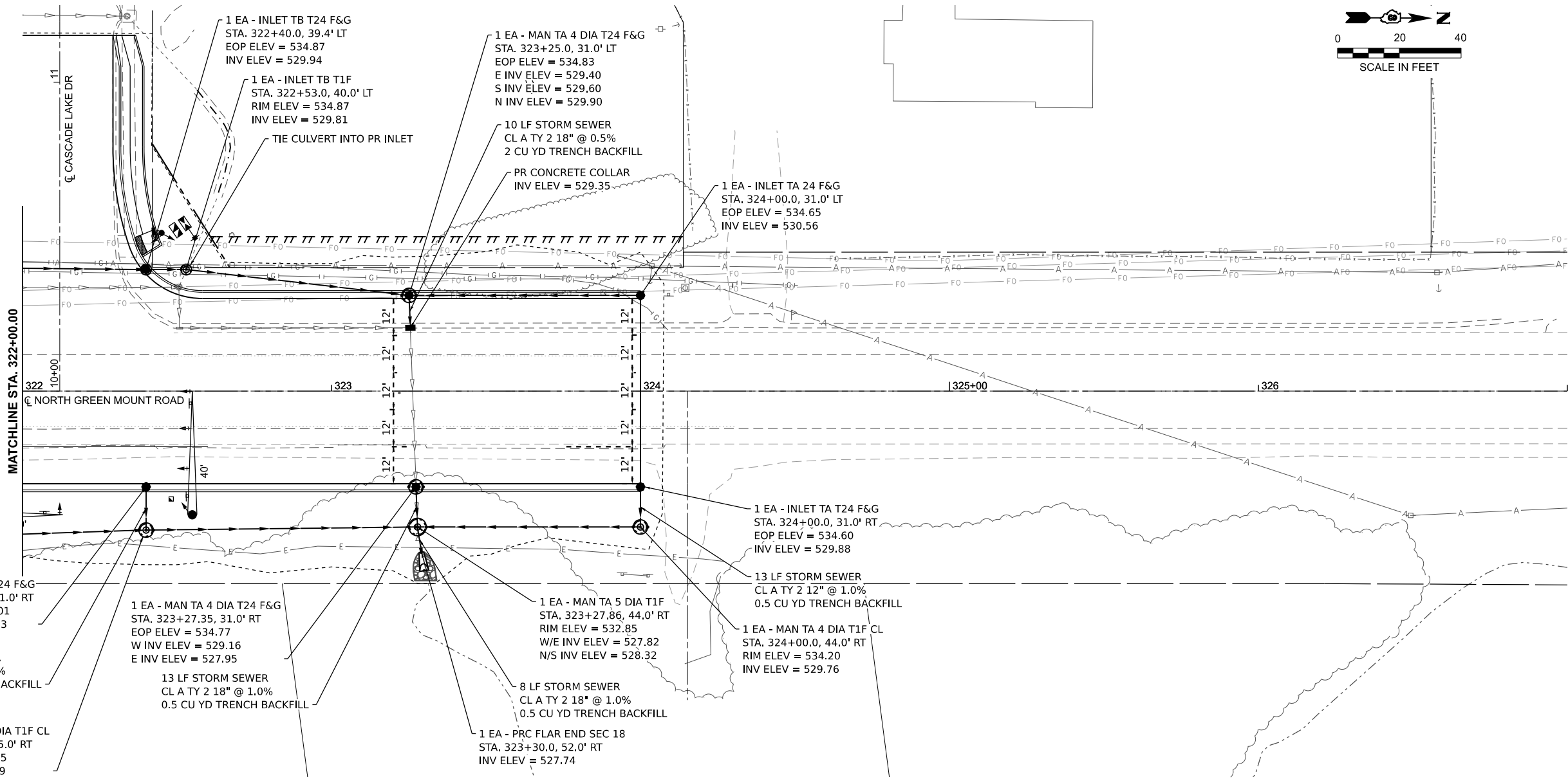
SCALE: SHEET 10 OF 12 SHEETS STA. TO STA.

F&U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	67
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



MODEL: Ex_GmInt - Plan 12 [Sheet]
FILE NAME: H:\P\223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\223103-shd-draw.dgn



USER NAME = ryne.wirtjes
PLOT DATE = 7/21/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

DRAINAGE SHEETS

SCALE: SHEET 12 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	69
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

MODEL: Ex_GmMnt - Removal Sheets - Sht 1 (Sheet)
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USER NAME = kevin.botterbush
DESIGNED -
DRAWN -
CHECKED -
DATE -
PLOT DATE = 6/18/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -



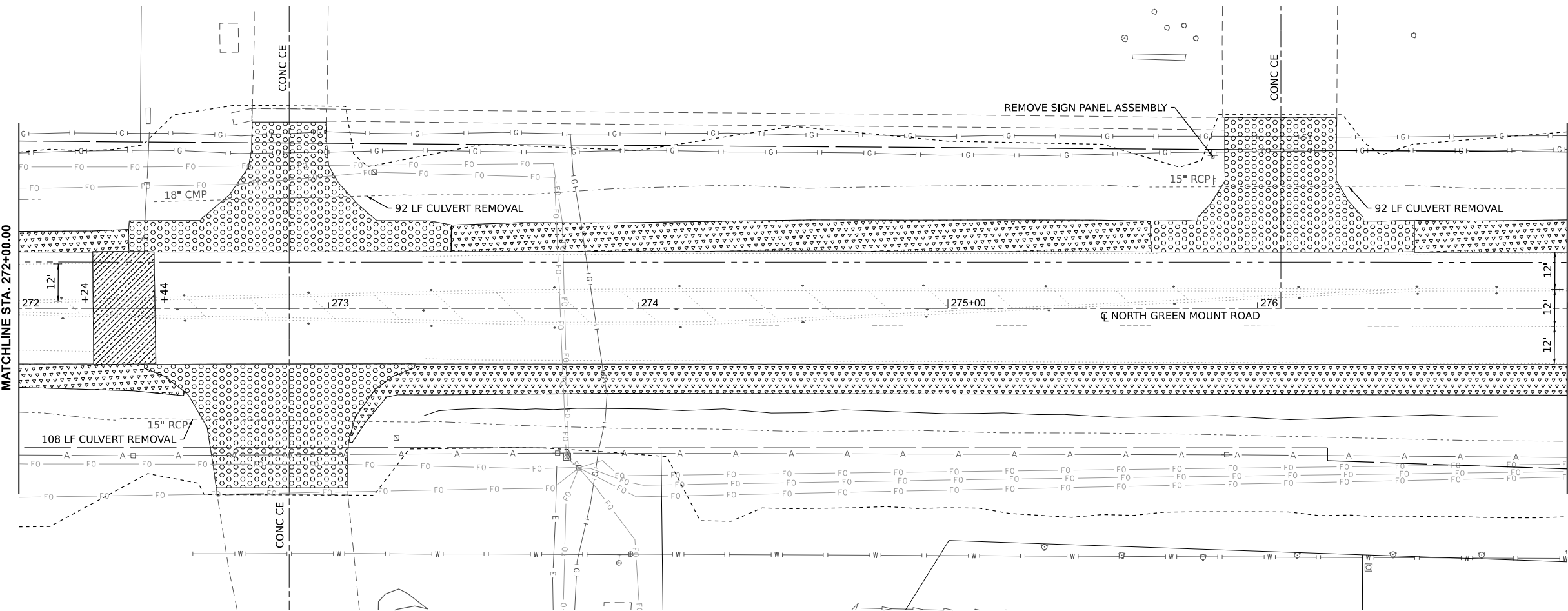
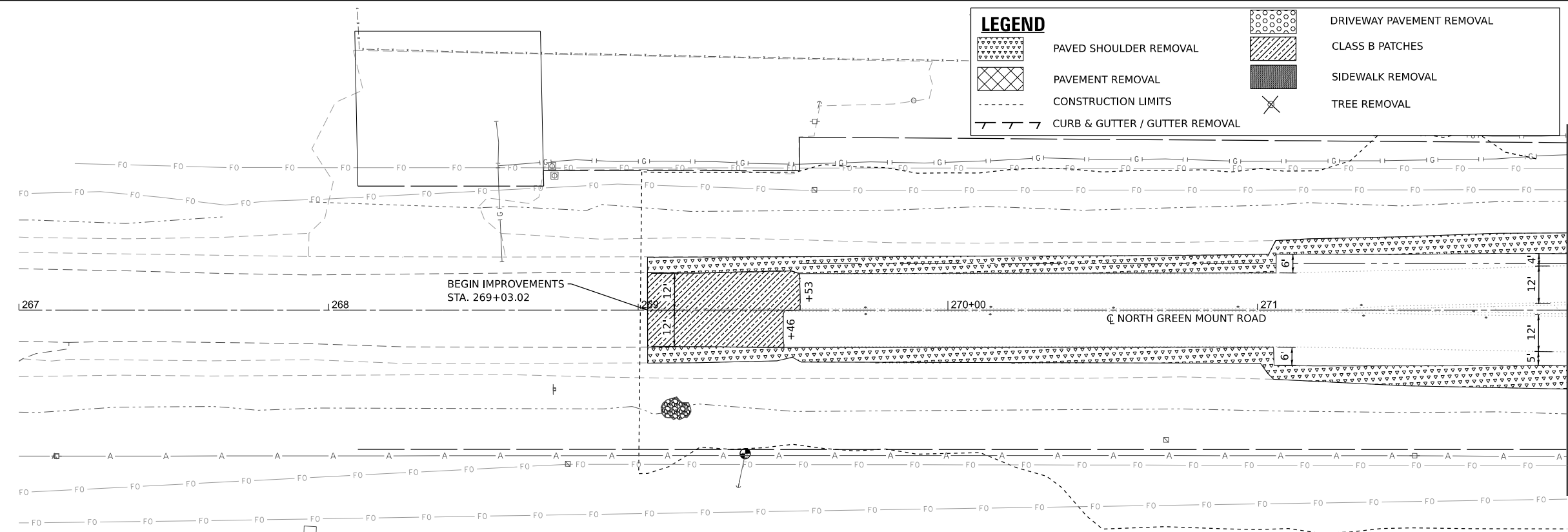
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

REMOVAL PLAN SHEETS

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	70
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



MODEL: Ex GrnMnt - Removal Sheets - Sht 2 (Sheet)
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\223103-sht-removal.dgn



USER NAME = kevin.botterbush
PLOT DATE = 6/18/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -



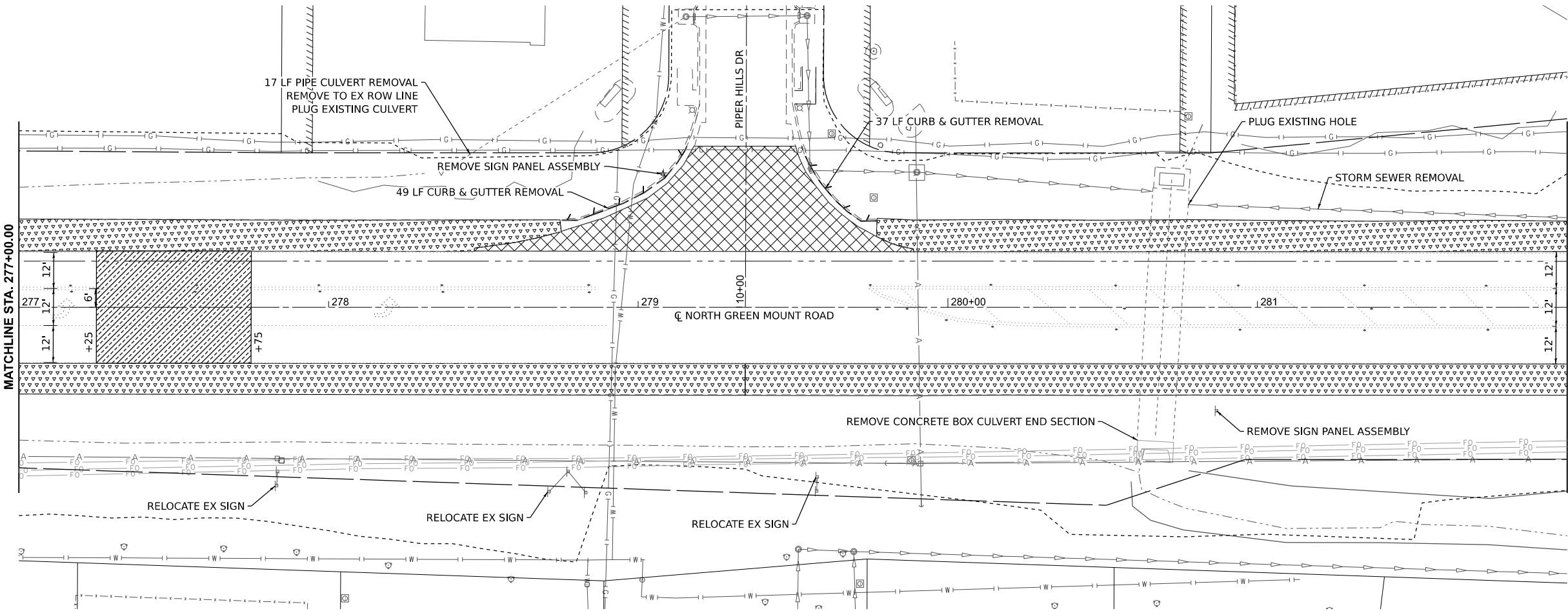
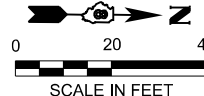
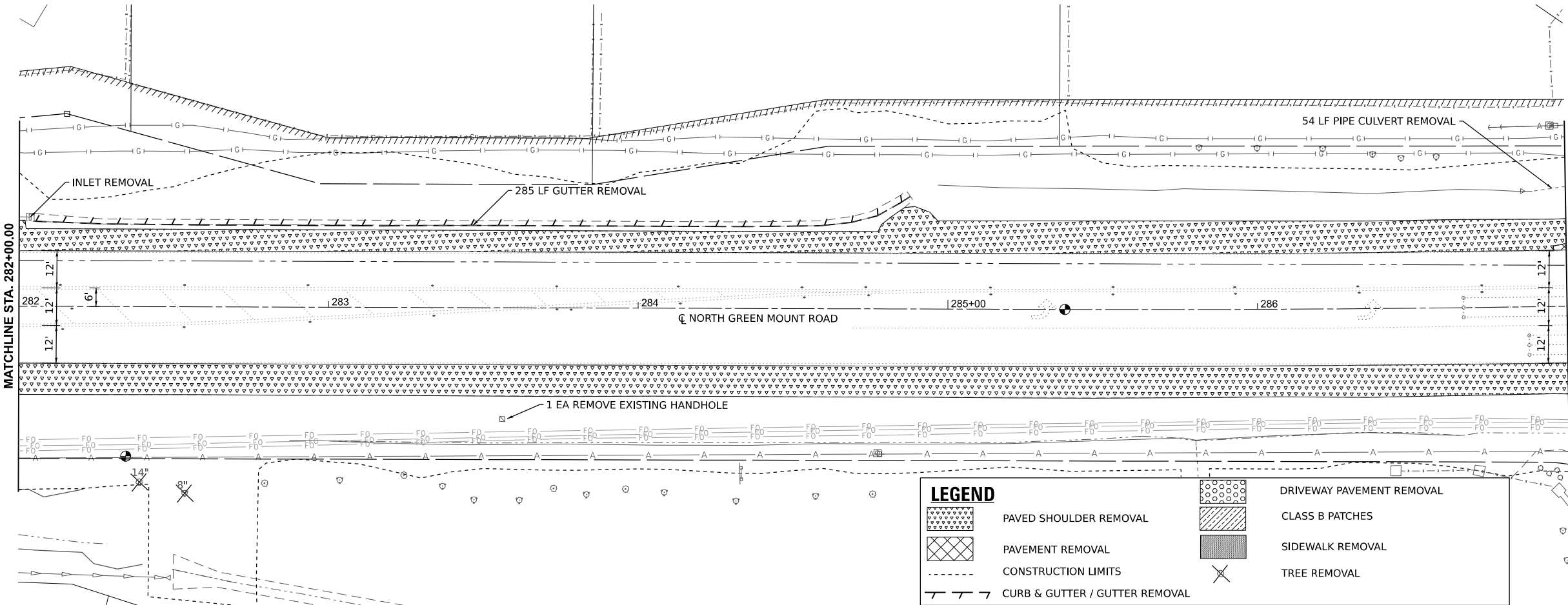
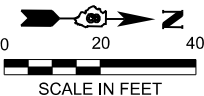
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

REMOVAL PLAN SHEETS

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	71
CONTRACT NO. 97873				

16-00333-17-PW



MODEL: Ex GrnMnt - Removal Sheets - Sht 3 (Sheet)
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\8223103-sht-removal.dgn



USER NAME = kevin.botterbush
PLOT DATE = 6/18/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

REMOVAL PLAN SHEETS

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

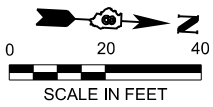
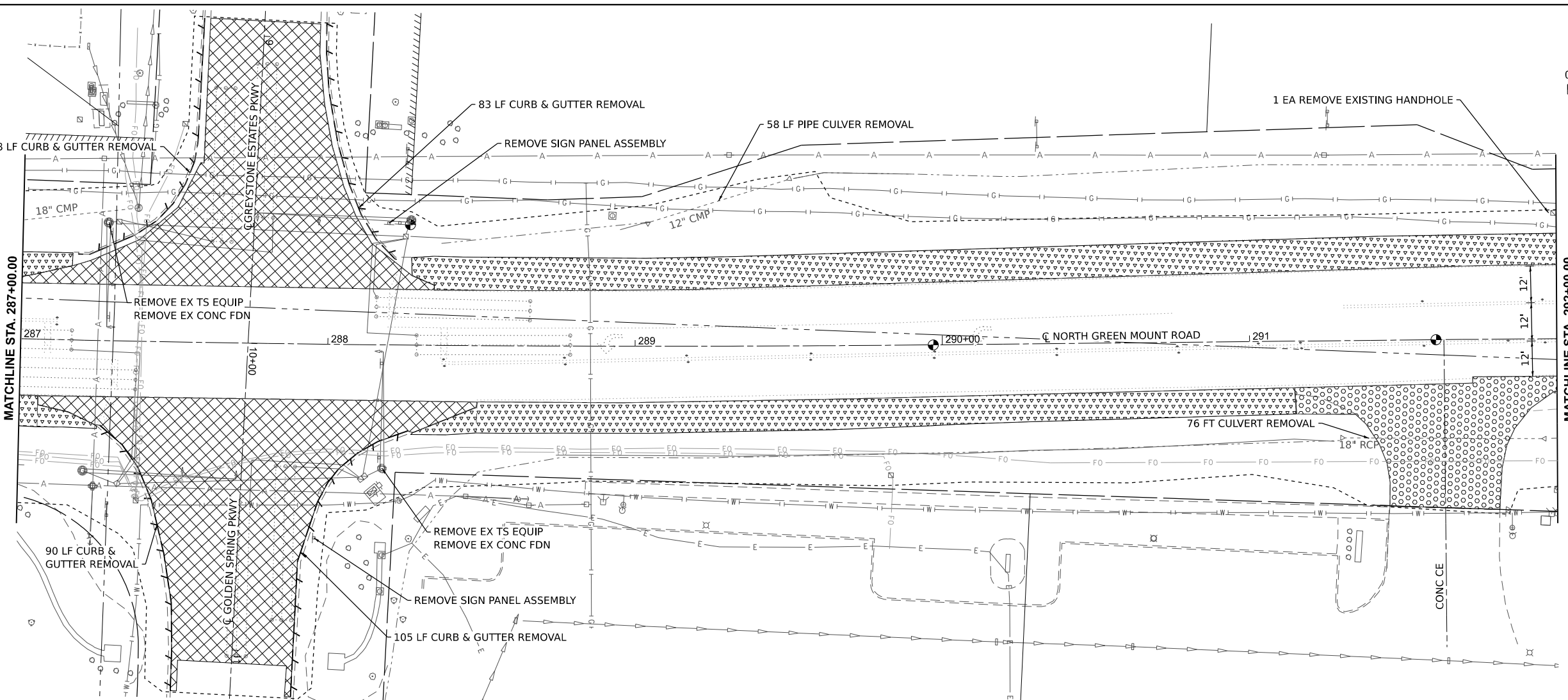
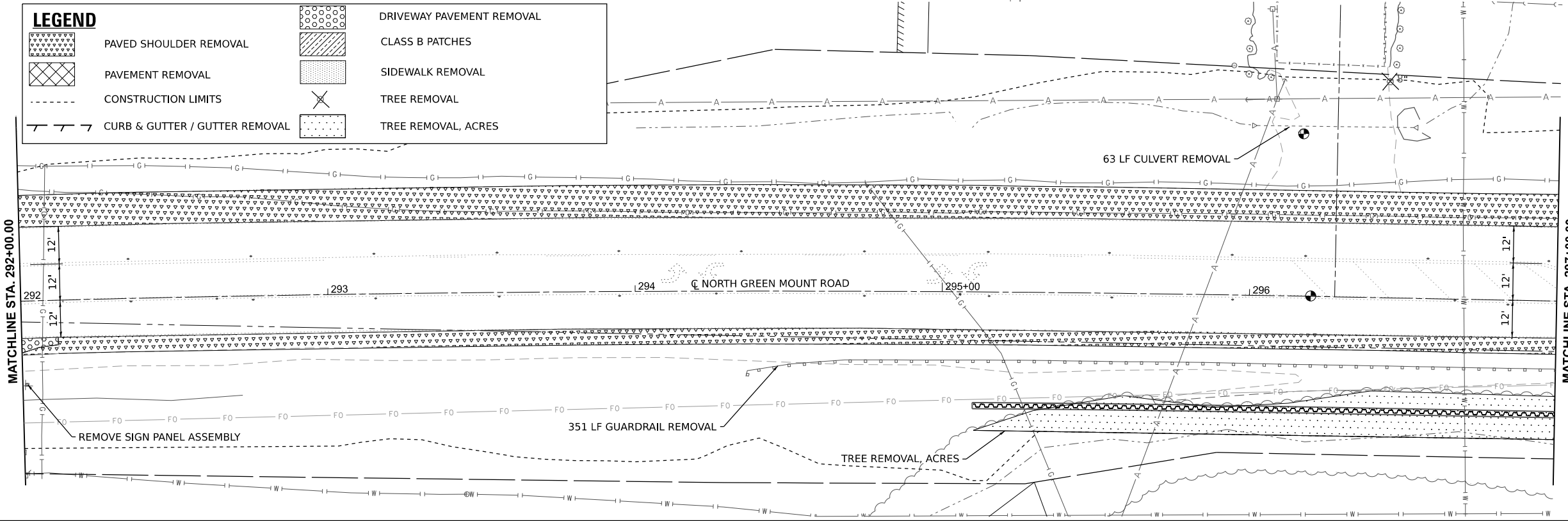
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	72
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

LEGEND

- PAVED SHOULDER REMOVAL
- PAVEMENT REMOVAL
- CONSTRUCTION LIMITS
- CURB & GUTTER / GUTTER REMOVAL

- DRIVEWAY PAVEMENT REMOVAL
- CLASS B PATCHES
- SIDEWALK REMOVAL
- TREE REMOVAL
- TREE REMOVAL, ACRES



LEGEND



PAVED SHOULDER REMOVAL



PAVEMENT REMOVAL

CONSTRUCTION LIMITS



CURB & GUTTER / GUTTER REMOVAL



DRIVEWAY PAVEMENT REMOVAL



CLASS B PATCHES



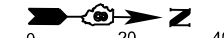
SIDEWALK REMOVAL



TREE REMOVAL

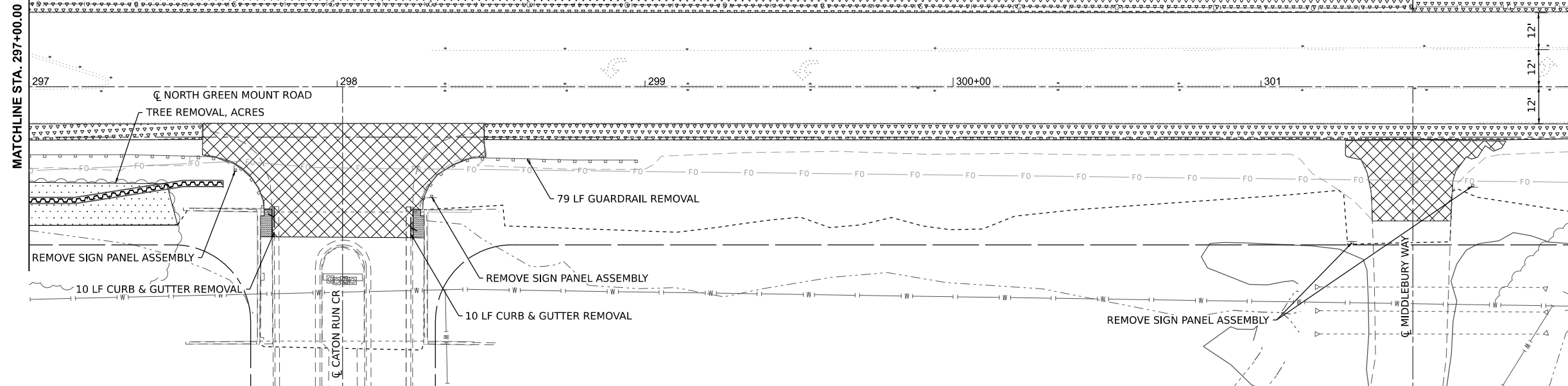


TREE REMOVAL, ACRES



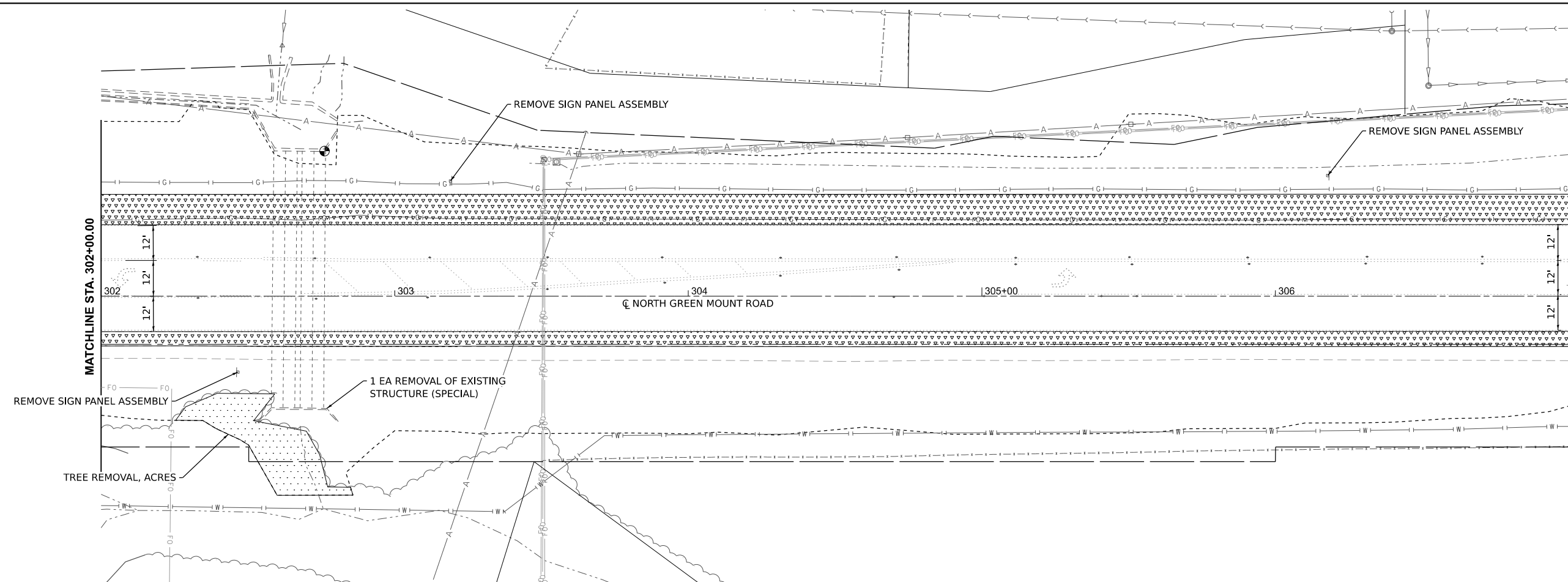
SCALE IN FEET

MATCHLINE STA. 297+00.00



MATCHLINE STA. 302+00.00

MATCHLINE STA. 302+00.00



MATCHLINE STA. 307+00.00

MODEL: Ex_GmMnt - Removal Sheets - Sht. 4 (Sheet)
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\223103-sht-removal.dgn



USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/18/2025	DATE -	REVISED -



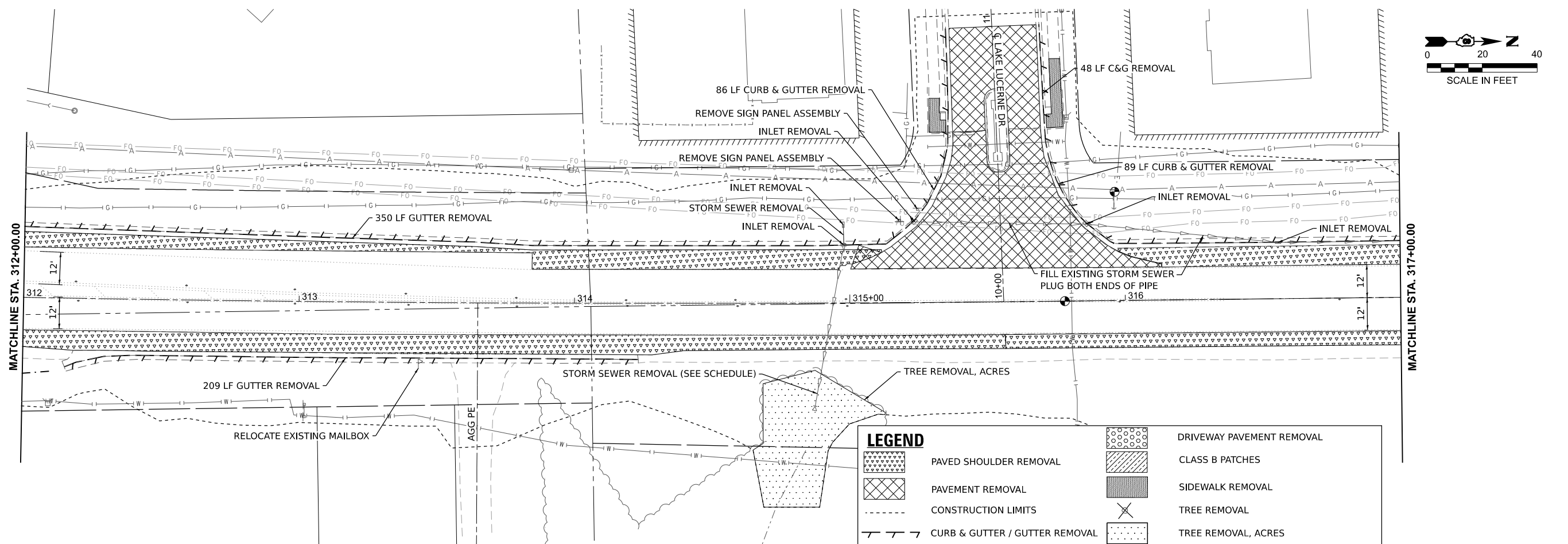
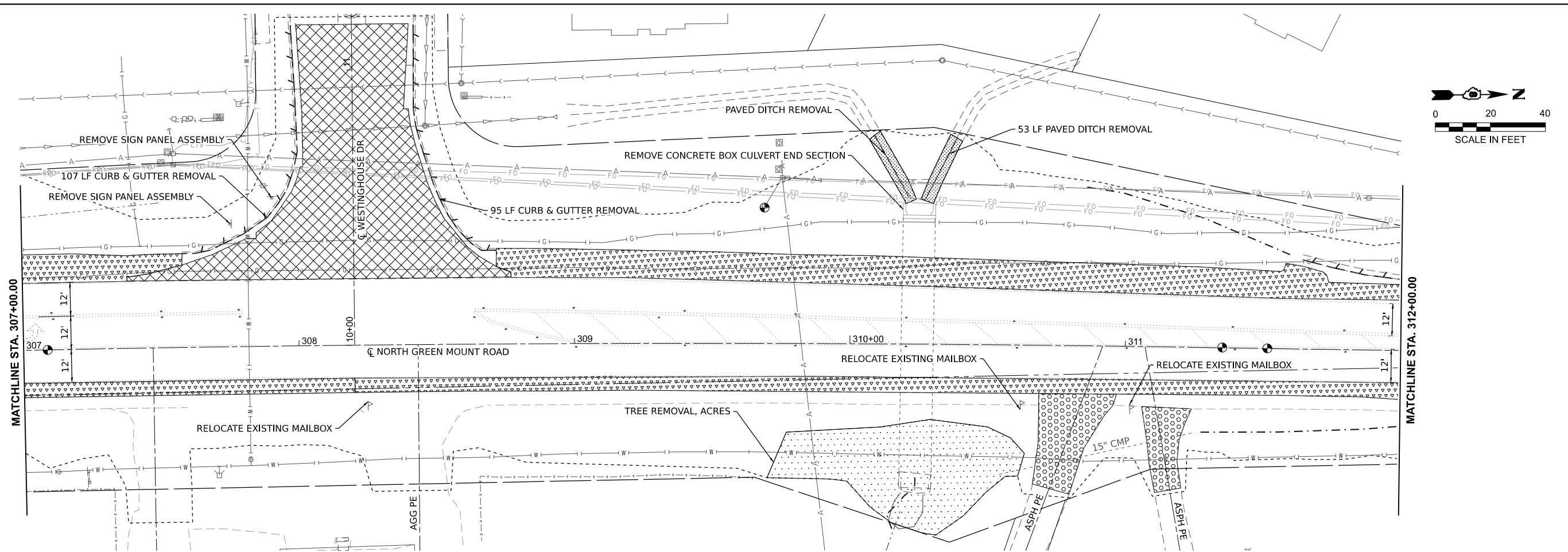
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

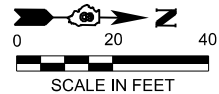
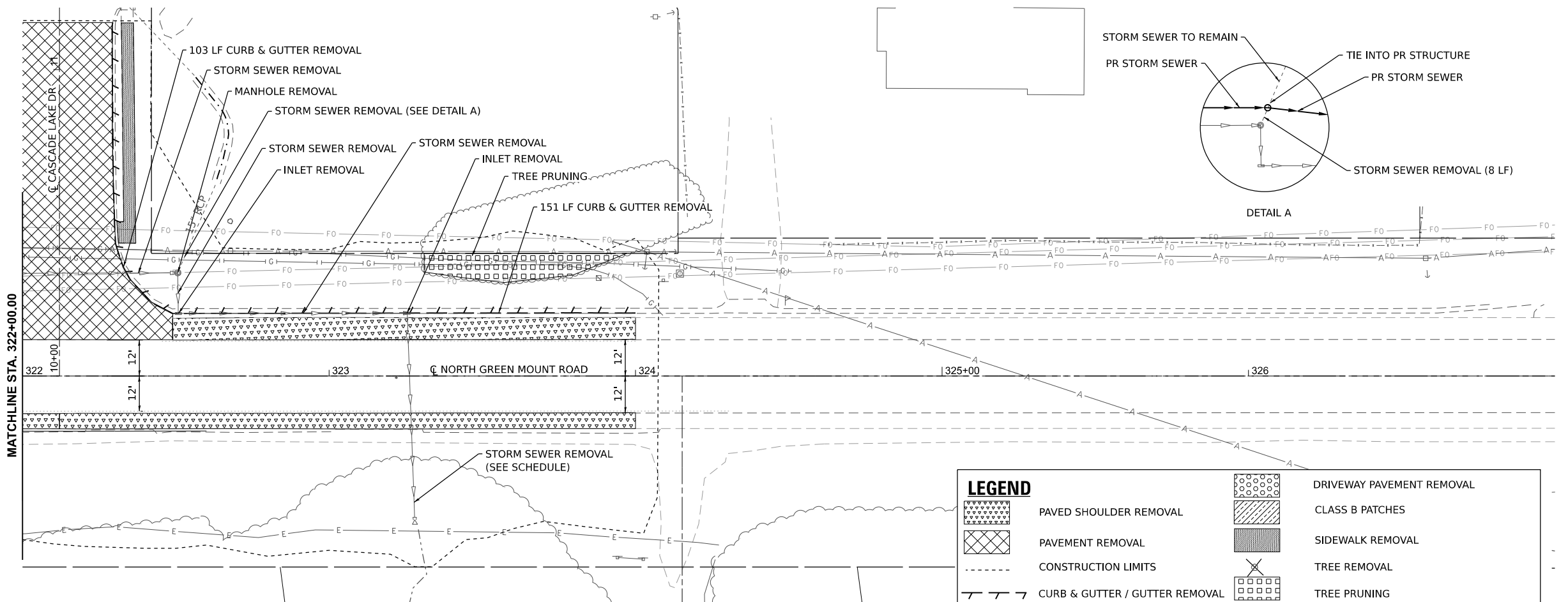
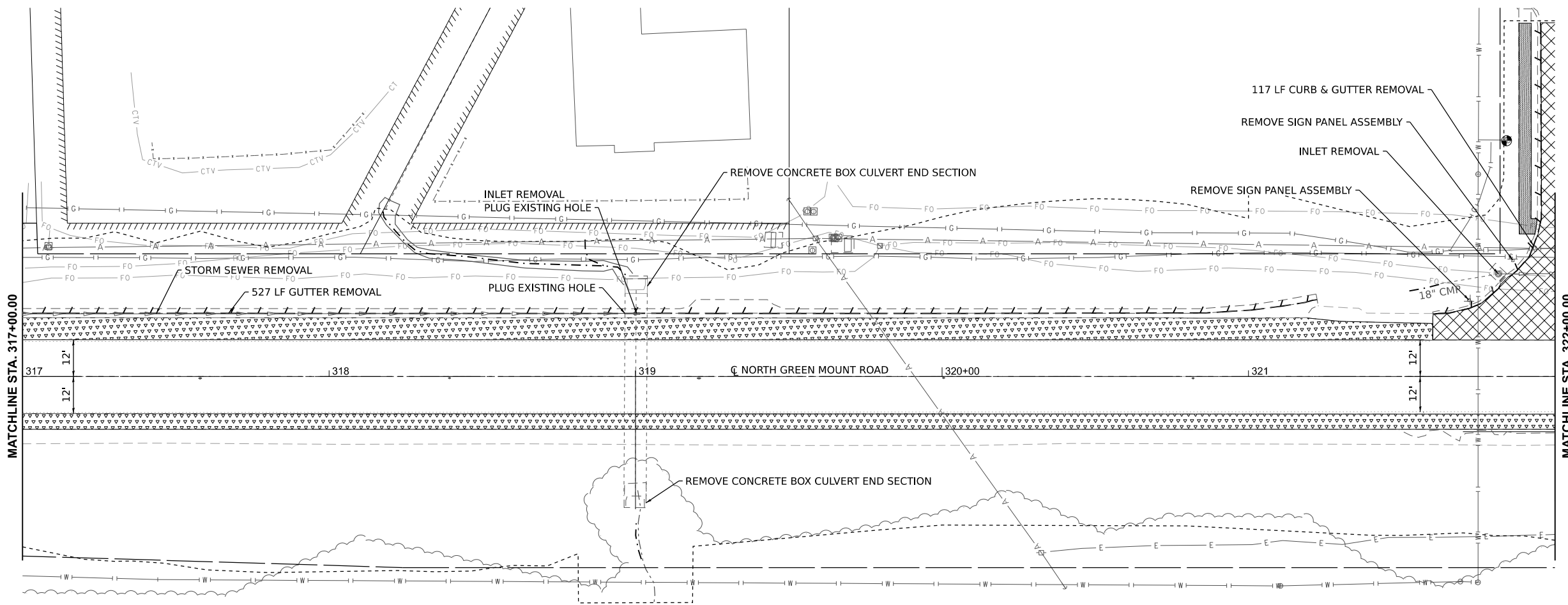
REMOVAL PLAN SHEETS

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	73
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW





LEGEND	
	PAVED SHOULDER REMOVAL
	PAVEMENT REMOVAL
	CONSTRUCTION LIMITS
	CURB & GUTTER / GUTTER REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	CLASS B PATCHES
	SIDEWALK REMOVAL
	TREE REMOVAL
	TREE PRUNING

MODEL: Ex: GrnMnt - Removal Sheets - Sht 6 (Sheet)
FILE NAME: I:\P\223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\223103-sht-removal.dgn



USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/18/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

REMOVAL PLAN SHEETS

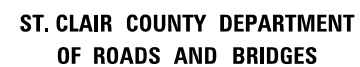
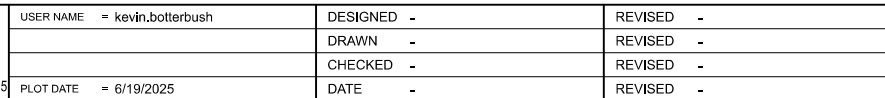
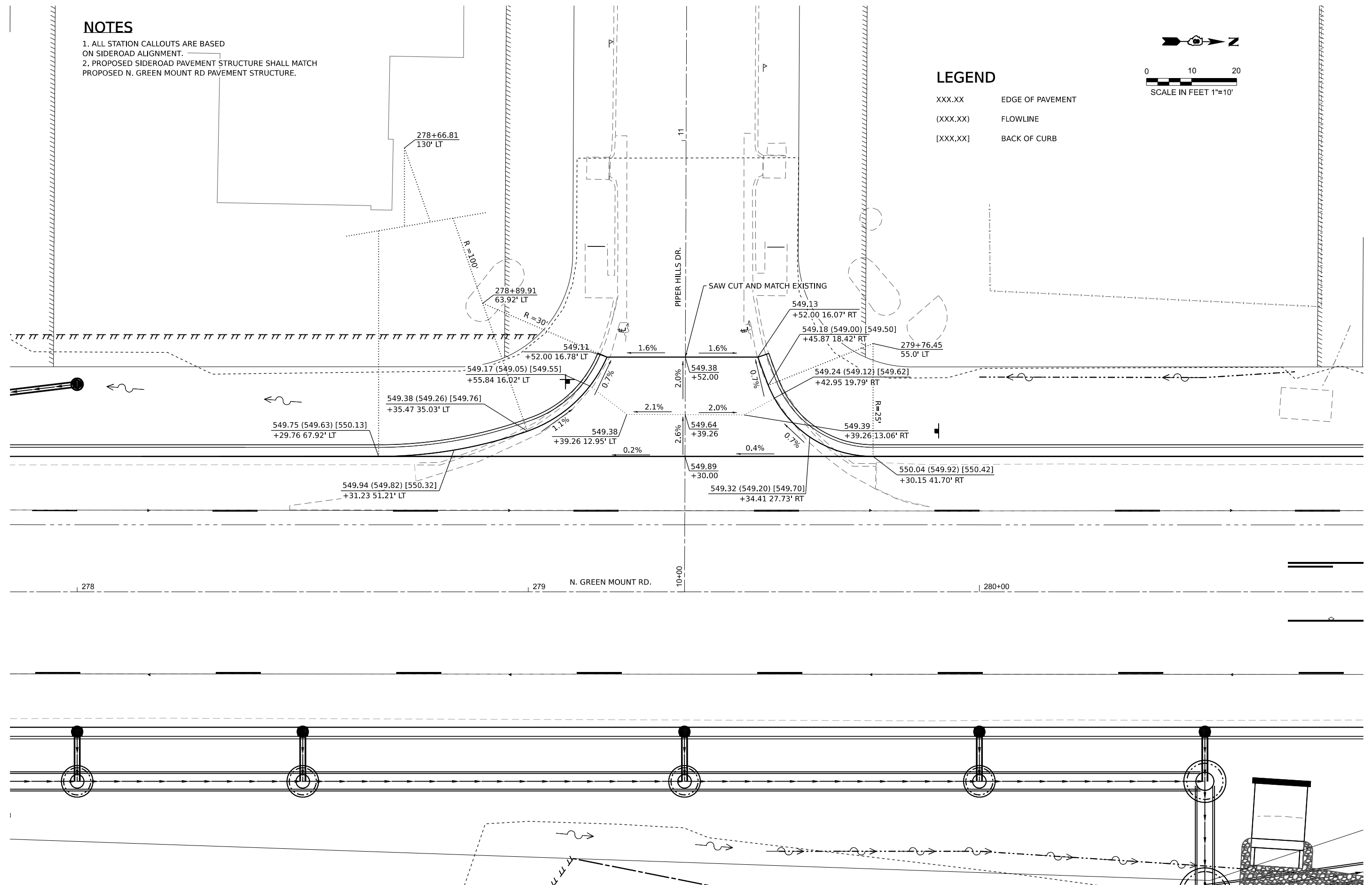
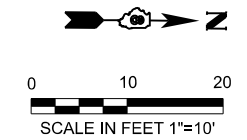
SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	75
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

1. ALL STATION CALLOUTS ARE BASED ON SIDEROAD ALIGNMENT.
2. PROPOSED SIDEROAD PAVEMENT STRUCTURE SHALL MATCH PROPOSED N. GREEN MOUNT RD PAVEMENT STRUCTURE.

XXX.XX	EDGE OF PAVEMENT
(XXX.XX)	FLOWLINE
[XXX.XX]	BACK OF CURB



PIPER HILLS DR. INTERSECTION DETAILS

SCALE:	SHEET 1	OF 7	SHEETS	STA.	TO STA.
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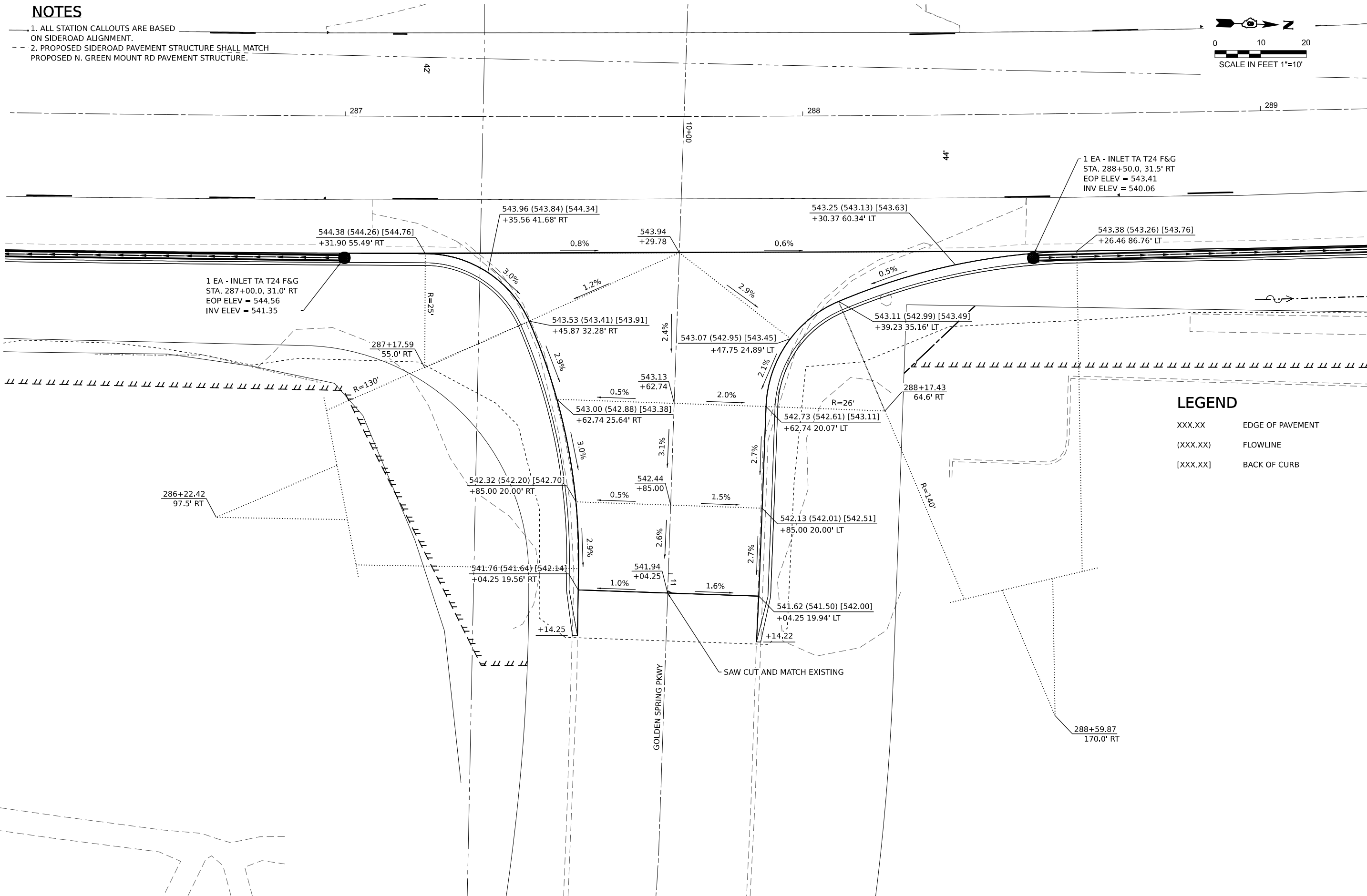
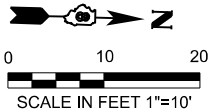
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	76
		CONTRACT NO. 97873		
		ILLINOIS FED. AID PROJECT		

16-00333-17-PW

MODEL: Ex_GrnMnt - Intersection 1 [Sheet]
FILE NAME: H:\P23103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\ID8223103-shl-intersection details.dgn

NOTES

1. ALL STATION CALLOUTS ARE BASED ON SIDEROAD ALIGNMENT.
2. PROPOSED SIDEROAD PAVEMENT STRUCTURE SHALL MATCH PROPOSED N. GREEN MOUNT RD PAVEMENT STRUCTURE.



LEGEND

- XXX.XX EDGE OF PAVEMENT
(XXX.XX) FLOWLINE
[XXX.XX] BACK OF CURB

MODEL: Ex: GrdMnt-1 - Intersection 2 [Sheet]
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\08223103-sht-Intersection details.dgn



USER NAME	= kevin.botterbush
DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-
PLOT DATE	= 6/19/2025

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

GOLDEN SPRING PKWY
INTERSECTION DETAILS

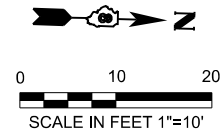
SCALE: SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	77
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

NOTES

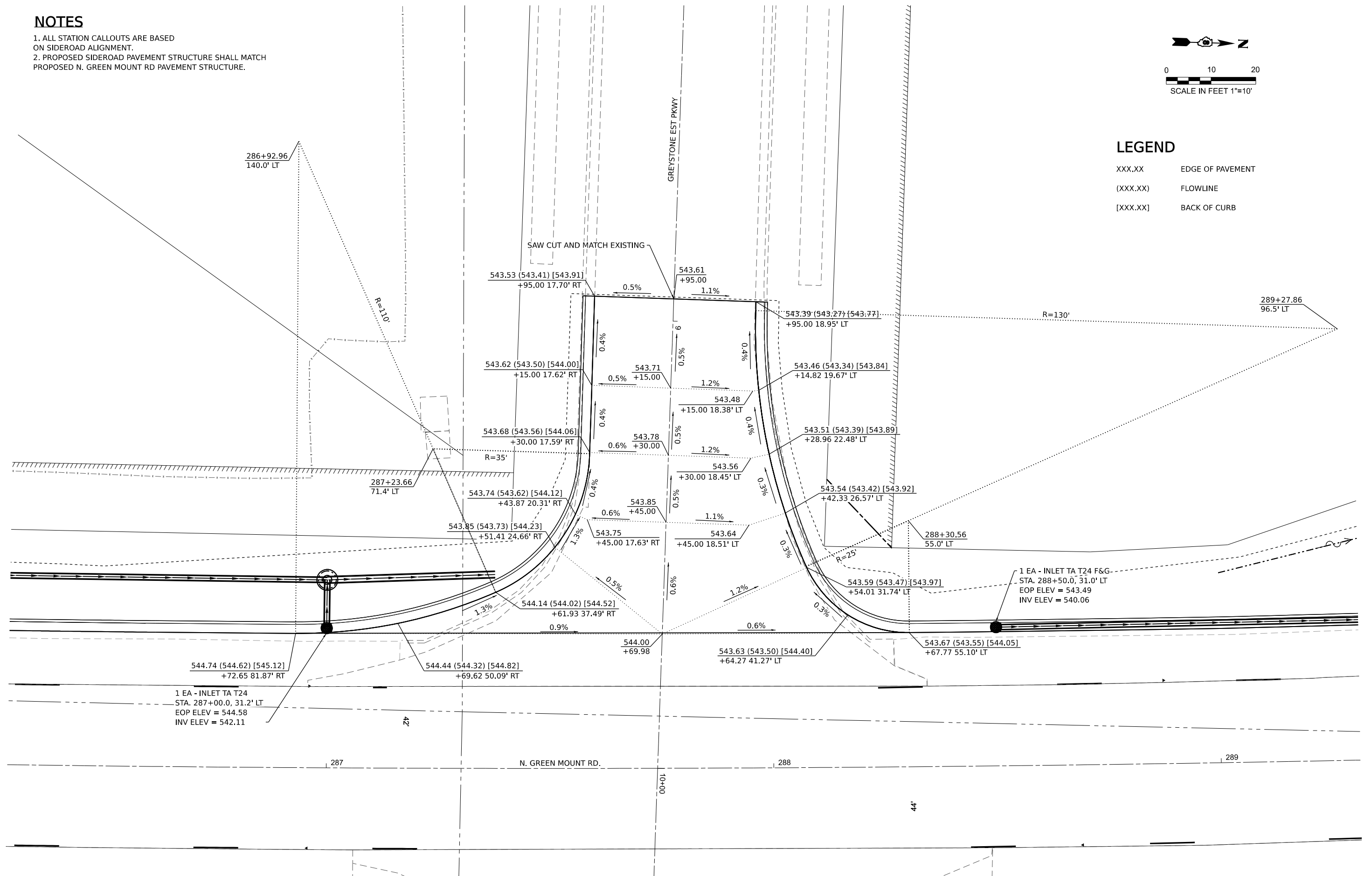
1. ALL STATION CALLOUTS ARE BASED ON SIDEROAD ALIGNMENT.
2. PROPOSED SIDEROAD PAVEMENT STRUCTURE SHALL MATCH PROPOSED N. GREEN MOUNT RD PAVEMENT STRUCTURE.



LEGEND

XXX.XX	EDGE OF PAVEMENT
(XXX.XX)	FLOWLINE
[XXX.XX]	BACK OF CURB

MODEL: Ex: GrdMnt2 - Intersection 2A [Sheet]
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\08223103-sht-Int-Intersection details.dgn



USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/19/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

GREYSTONE EST PKWY
INTERSECTION DETAILS

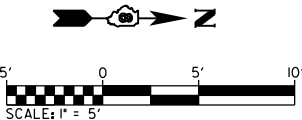
SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

F&U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	78
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

NOTES

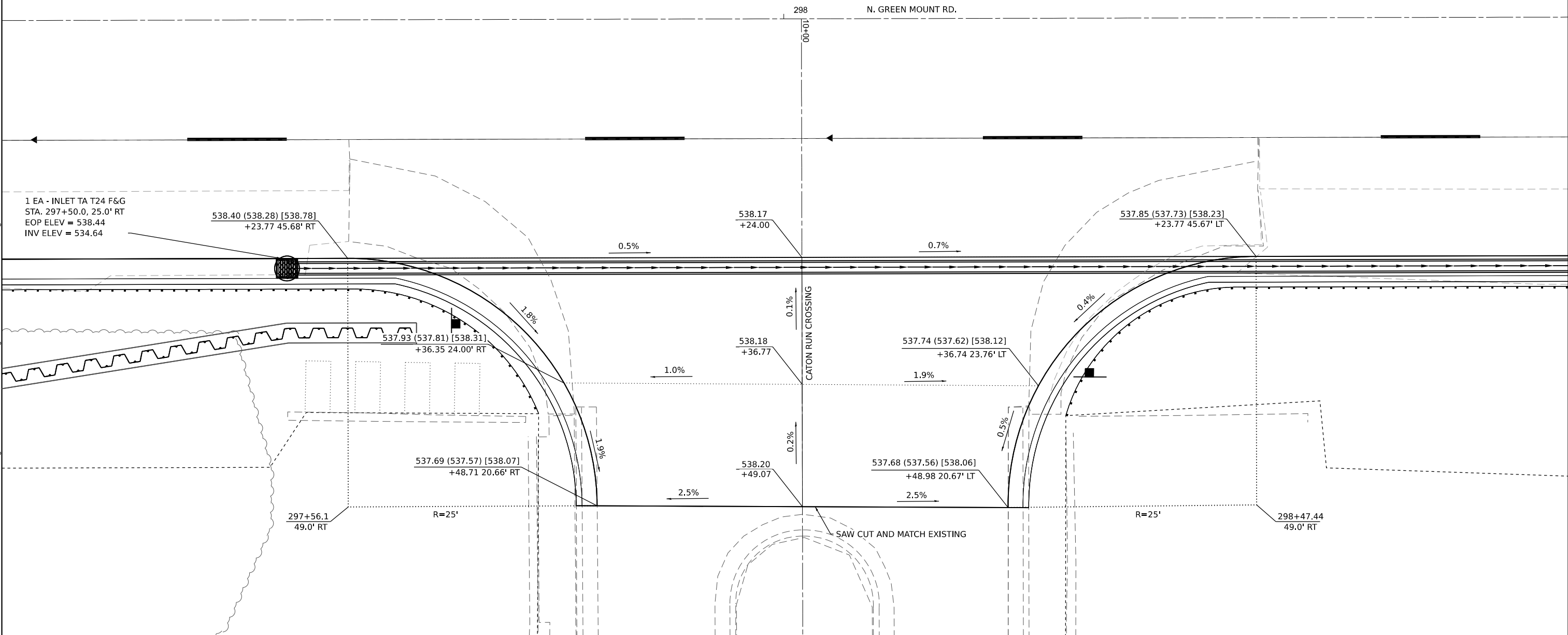
- 1. ALL STATION CALLOUTS ARE BASED ON SIDEROAD ALIGNMENT.
- 2. PROPOSED SIDEROAD PAVEMENT STRUCTURE SHALL MATCH PROPOSED N. GREEN MOUNT RD PAVEMENT STRUCTURE.



LEGEND

- XXX.XX EDGE OF PAVEMENT
- (XXX.XX) FLOWLINE
- [XXX.XX] BACK OF CURB

MODEL: Untitled-1 [Sheet]
FILE NAME: H:\223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\223103-shr-intersection details.dgn



USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/19/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

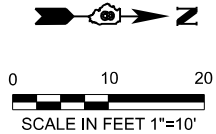
CATON RUN CROSSING INTERSECTION DETAILS			
SCALE:	SHEET 4	OF 7 SHEETS	STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	79
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

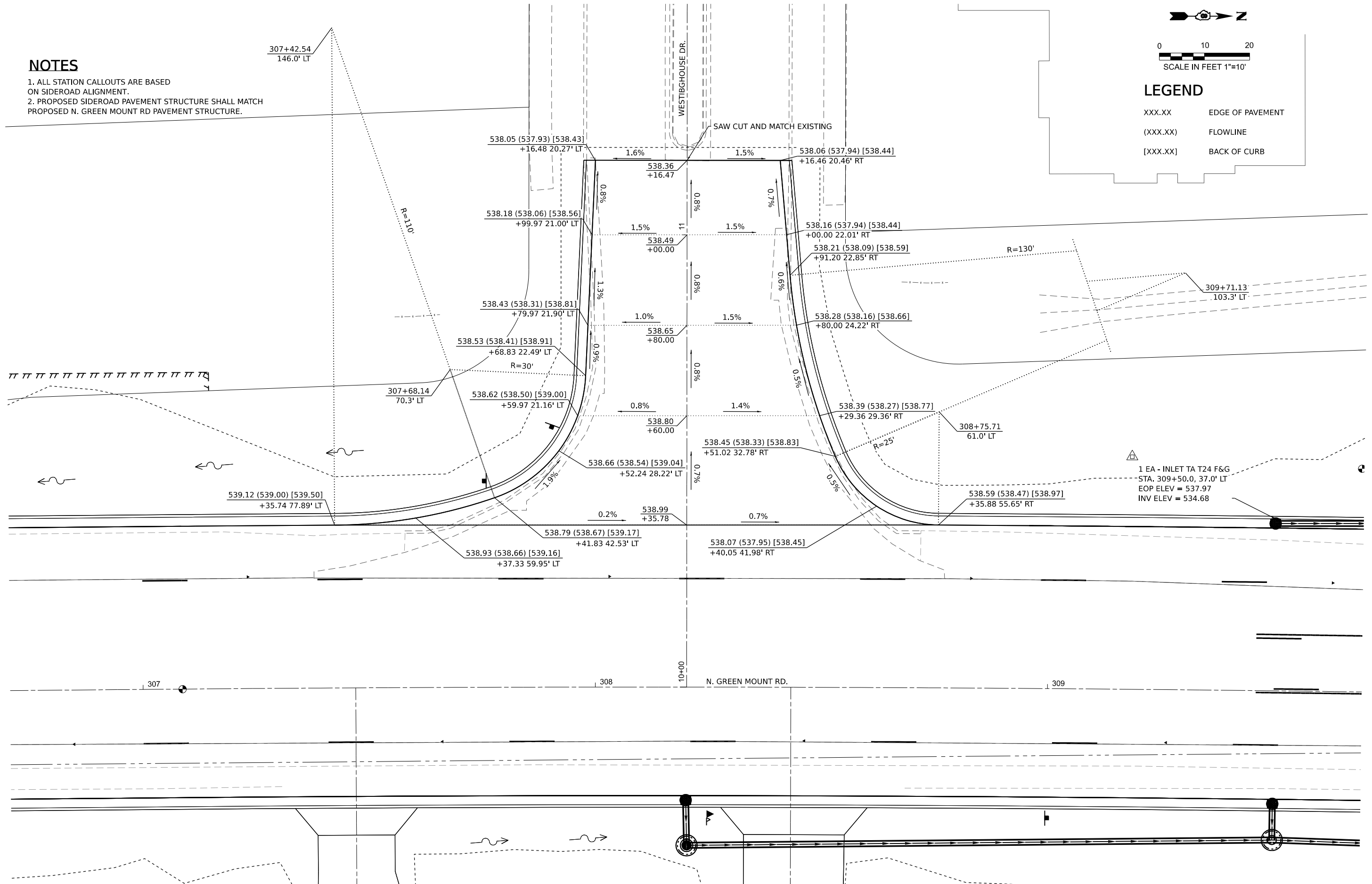
NOTES

1. ALL STATION CALLOUTS ARE BASED ON SIDEROAD ALIGNMENT.
2. PROPOSED SIDEROAD PAVEMENT STRUCTURE SHALL MATCH PROPOSED N. GREEN MOUNT RD PAVEMENT STRUCTURE.



LEGEND

- XXX.XX EDGE OF PAVEMENT
(XXX.XX) FLOWLINE
[XXX.XX] BACK OF CURB



MODEL: Ex: GrnMnt4 - Intersection 4 [Sheet]
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\08223103-sht-Intersection details.dgn



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DATE	-
PLOT DATE	= 6/19/2025

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ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

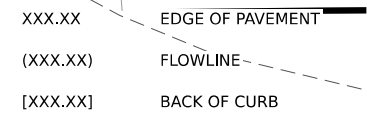
WESTINGHOUSE DR.
INTERSECTION DETAILS

SCALE: SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	80
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

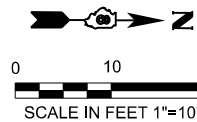
16-00333-17-PW

1. ALL STATION CALLOUTS ARE BASED ON SIDEROAD ALIGNMENT.
2. PROPOSED SIDEROAD PAVEMENT STRUCTURE SHALL MATCH PROPOSED N. GREEN MOUNT RD PAVEMENT STRUCTURE.



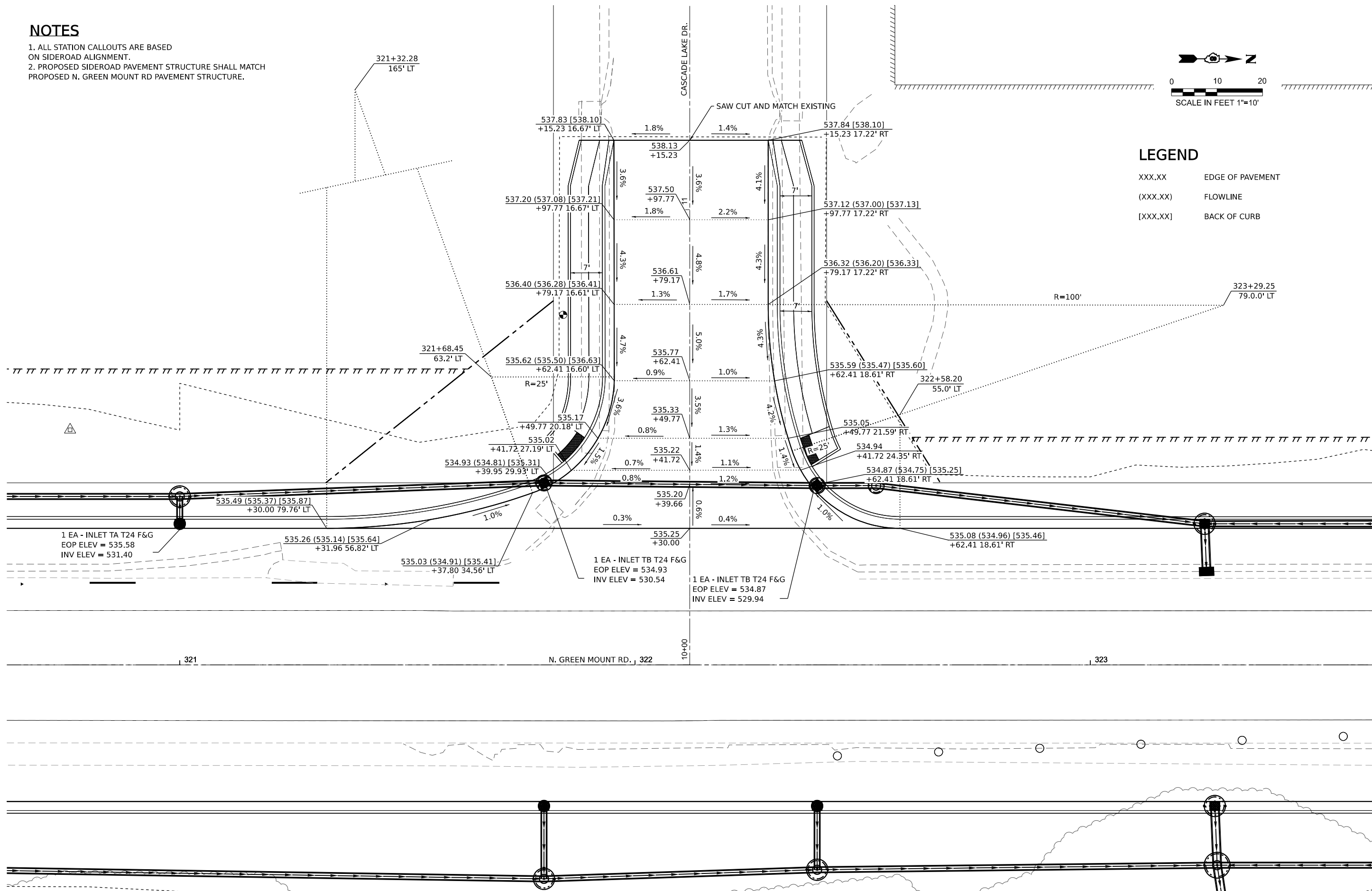
NOTES

1. ALL STATION CALLOUTS ARE BASED ON SIDEROAD ALIGNMENT.
2. PROPOSED SIDEROAD PAVEMENT STRUCTURE SHALL MATCH PROPOSED N. GREEN MOUNT RD PAVEMENT STRUCTURE.



LEGEND

- XXX.XX EDGE OF PAVEMENT
(XXX.XX) FLOWLINE
[XXX.XX] BACK OF CURB



MODEL: Ex: GrdInlet6 - Intersection 6 [Sheet]
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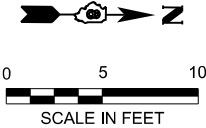
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

CASCADE LAKE DR.
INTERSECTION DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	82
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



	DETECTABLE WARNING
XXX.XX]	EDGE OF THE PAVEMENT ELEVATION
XXX.XX]	BACK OF THE CURB ELEVATION
XXX.XX)	FLOWLINE ELEVATION
XXX.XX	SIDEWALK ELEVATION
REM	REMOVAL



CURB RAMP DETAIL SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	83
		CONTRACT NO. 97873		
ILLINOIS		FED. AID PROJECT		

- 16-00333-17-PW

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CHECKED	-
DATE	-
PLOT DATE	= 6/16/2025

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ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

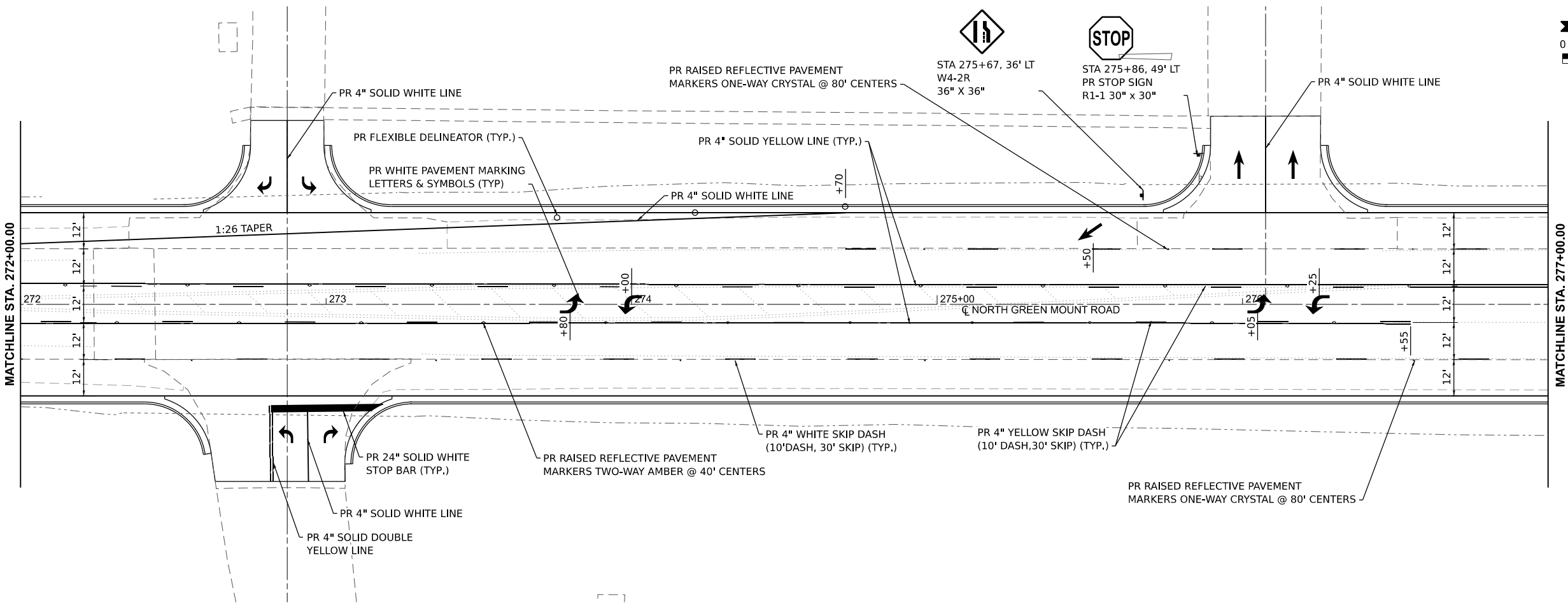
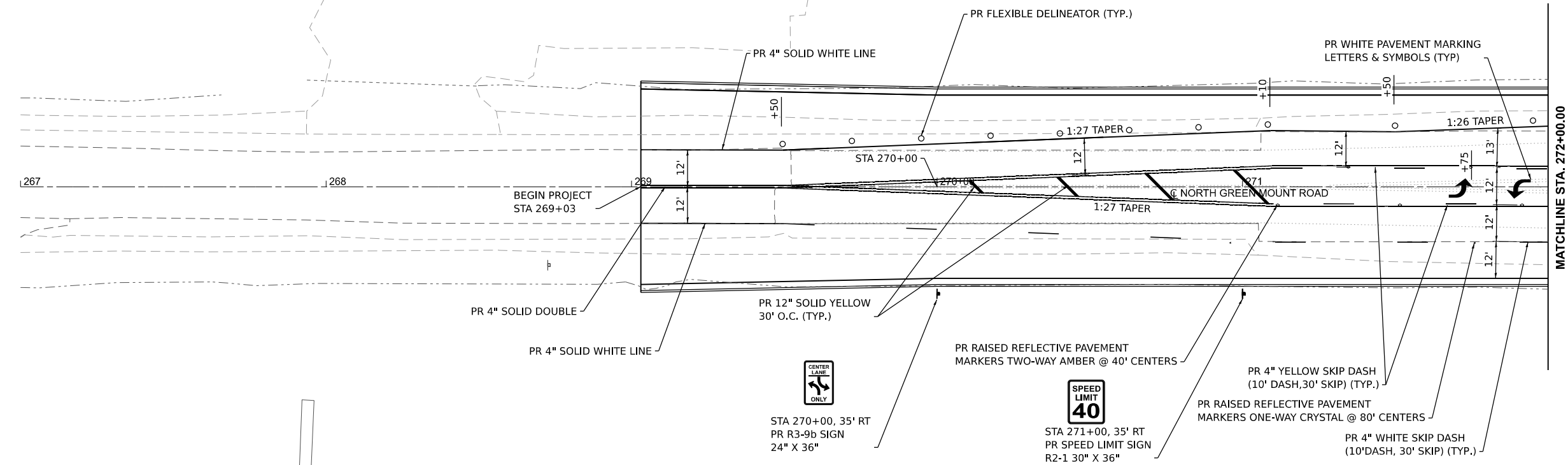
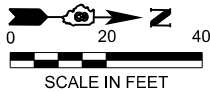
PAVEMENT MARKING AND SIGNAGE SHEETS

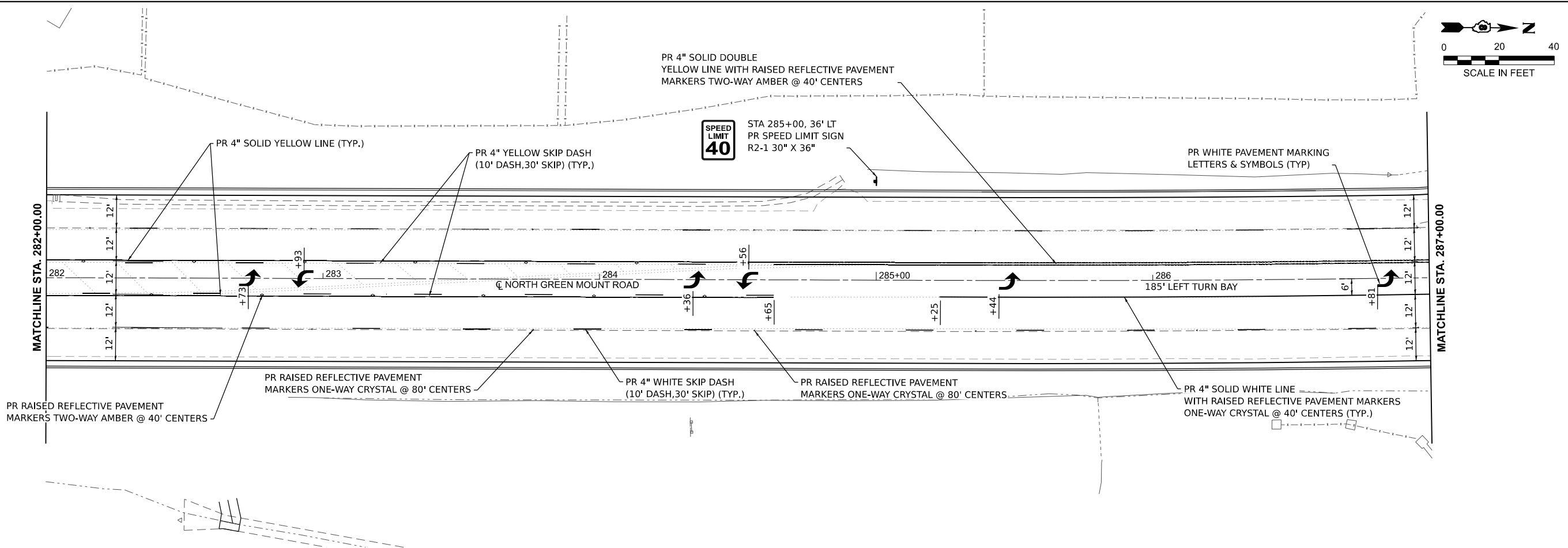
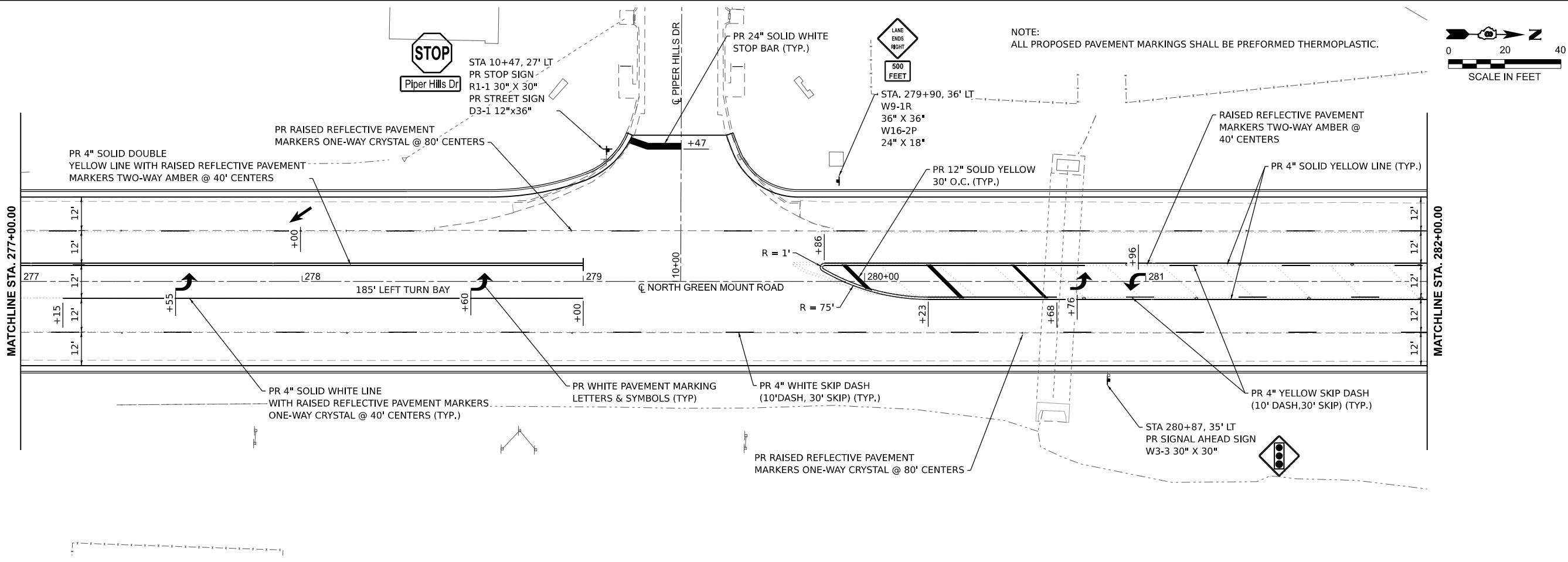
SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	84
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

NOTE:
ALL PROPOSED PAVEMENT MARKINGS SHALL BE PREFORMED THERMOPLASTIC.





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USER NAME = rylene.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -
PLOT DATE = 6/19/2025		



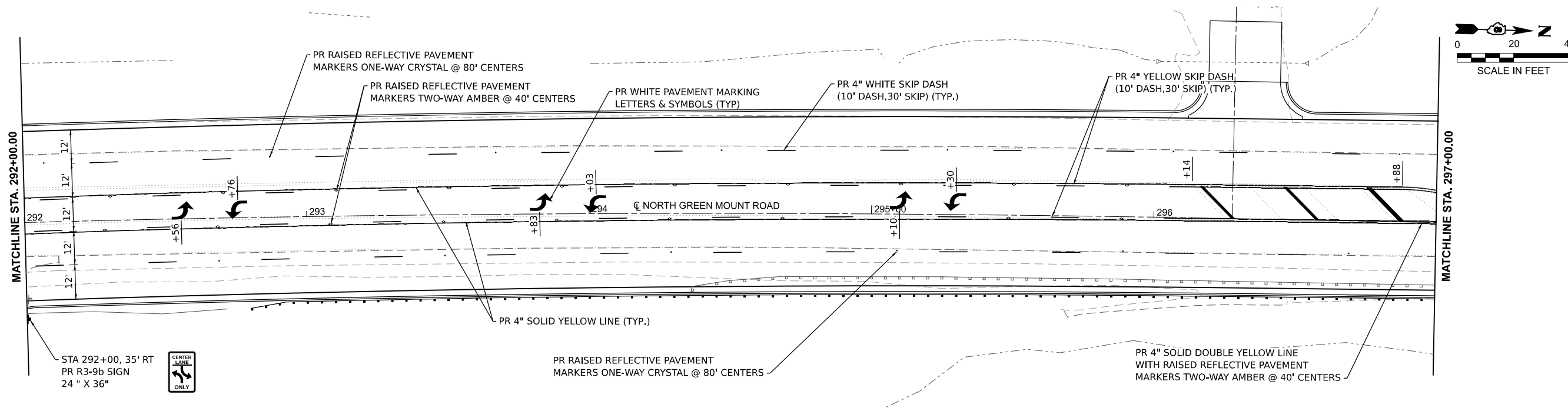
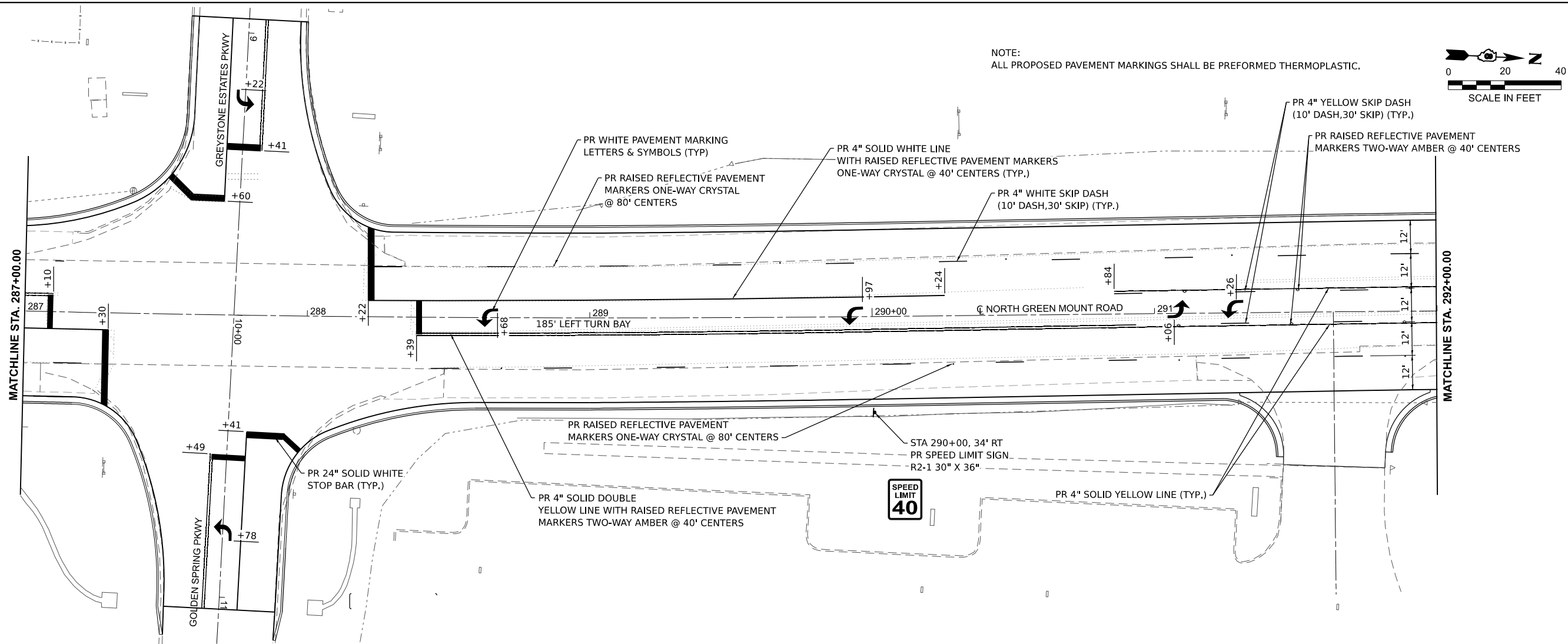
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

PAVEMENT MARKING AND SIGNAGE SHEETS

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	85
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



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PLOT DATE = 6/18/2025

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ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

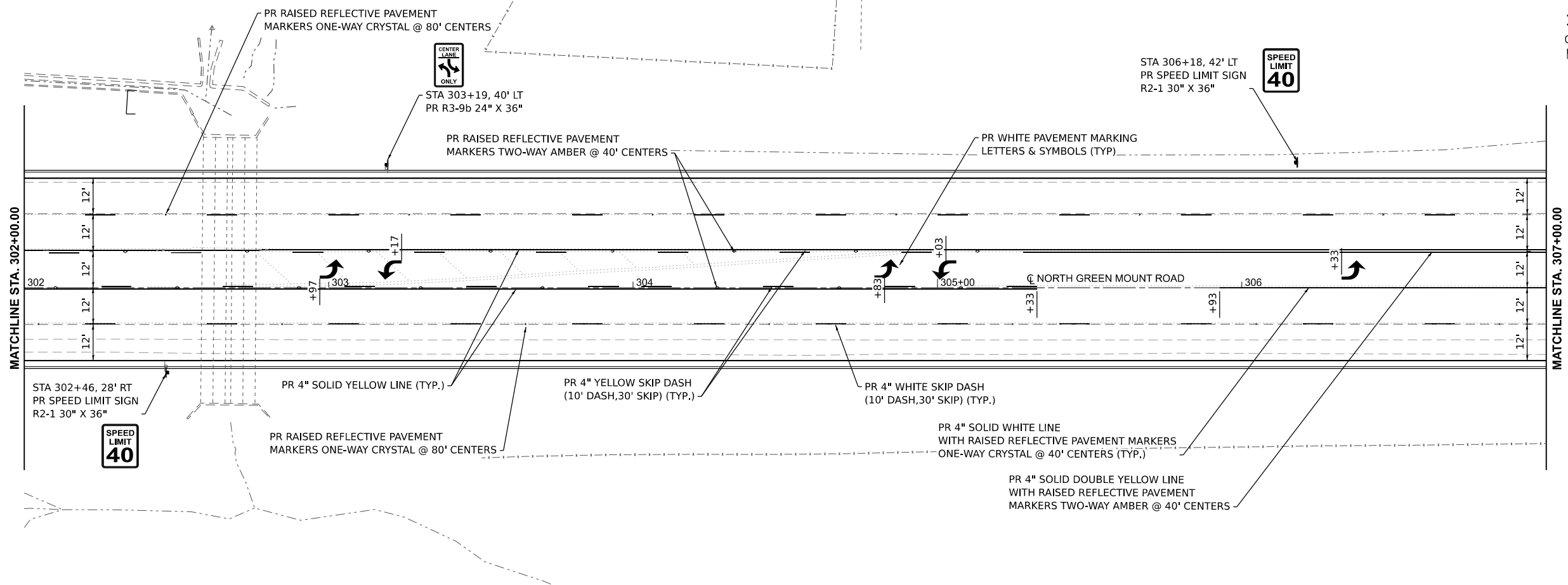
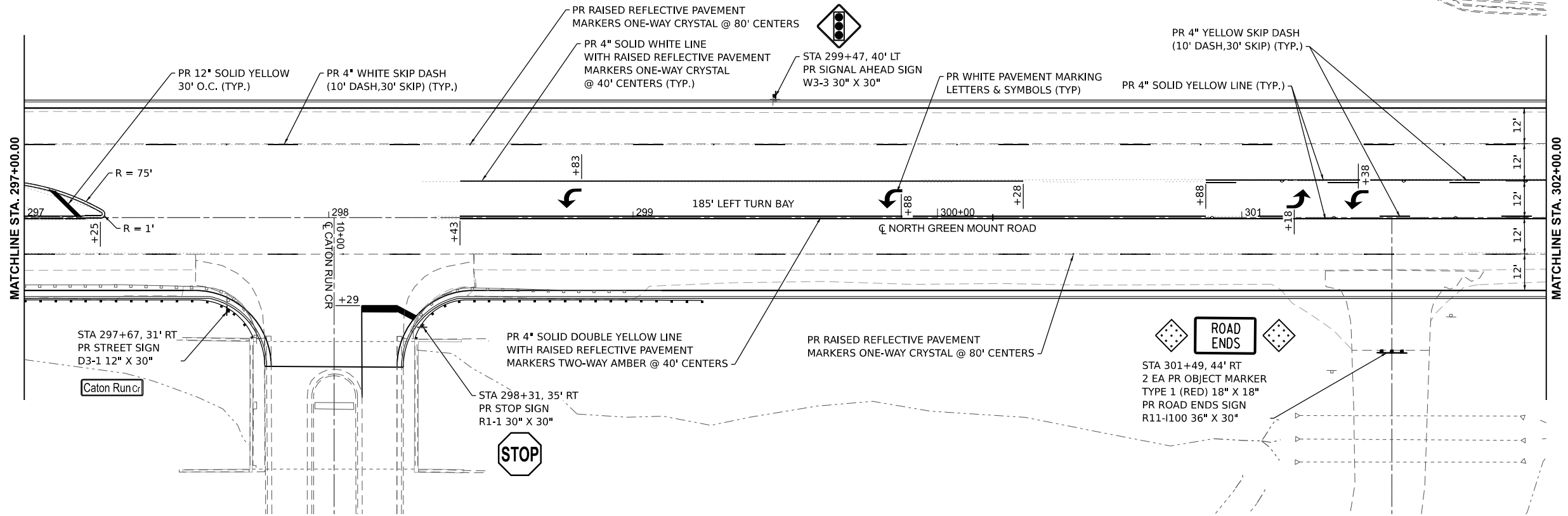
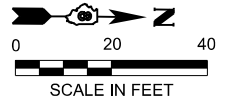
PAVEMENT MARKING AND SIGNAGE SHEETS

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	86
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

NOTE:
ALL PROPOSED PAVEMENT MARKINGS SHALL BE PREFORMED THERMOPLASTIC.



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PLOT DATE = 6/18/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

PAVEMENT MARKING AND SIGNAGE SHEETS

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	87
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

MODEL: Ex: GrnMnt1 - PMK Sheets - Sht 5 [Sheet]
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PLOT DATE	= 6/18/2025

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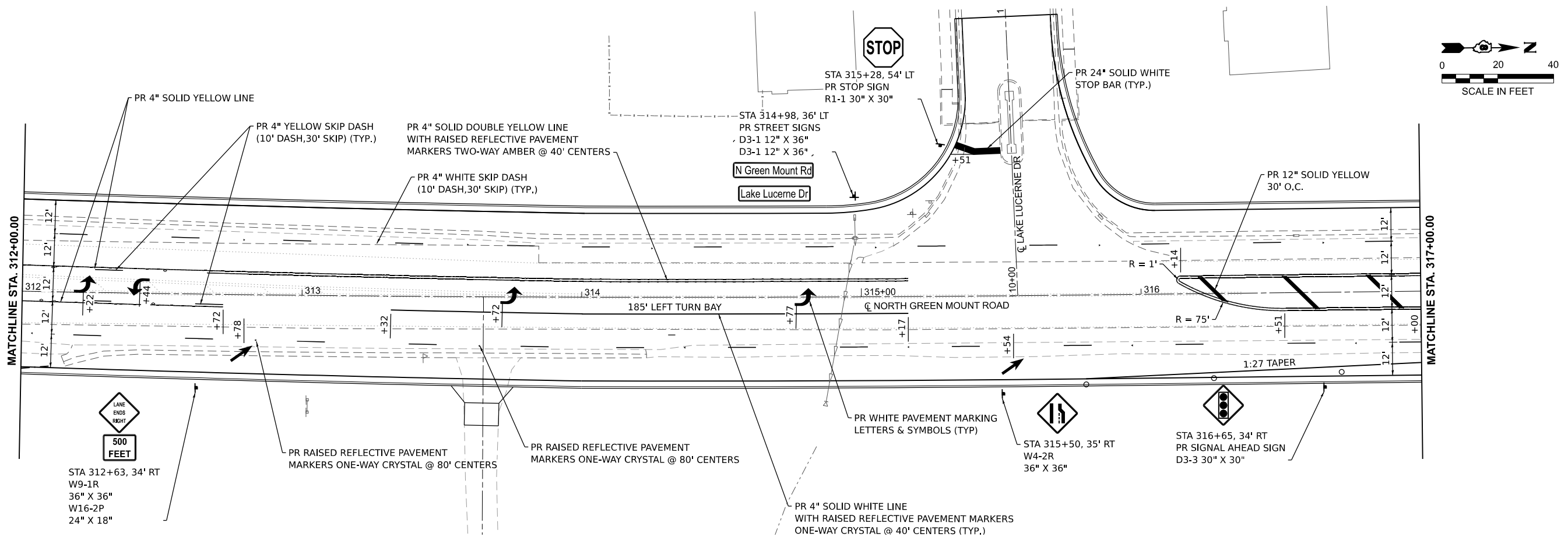
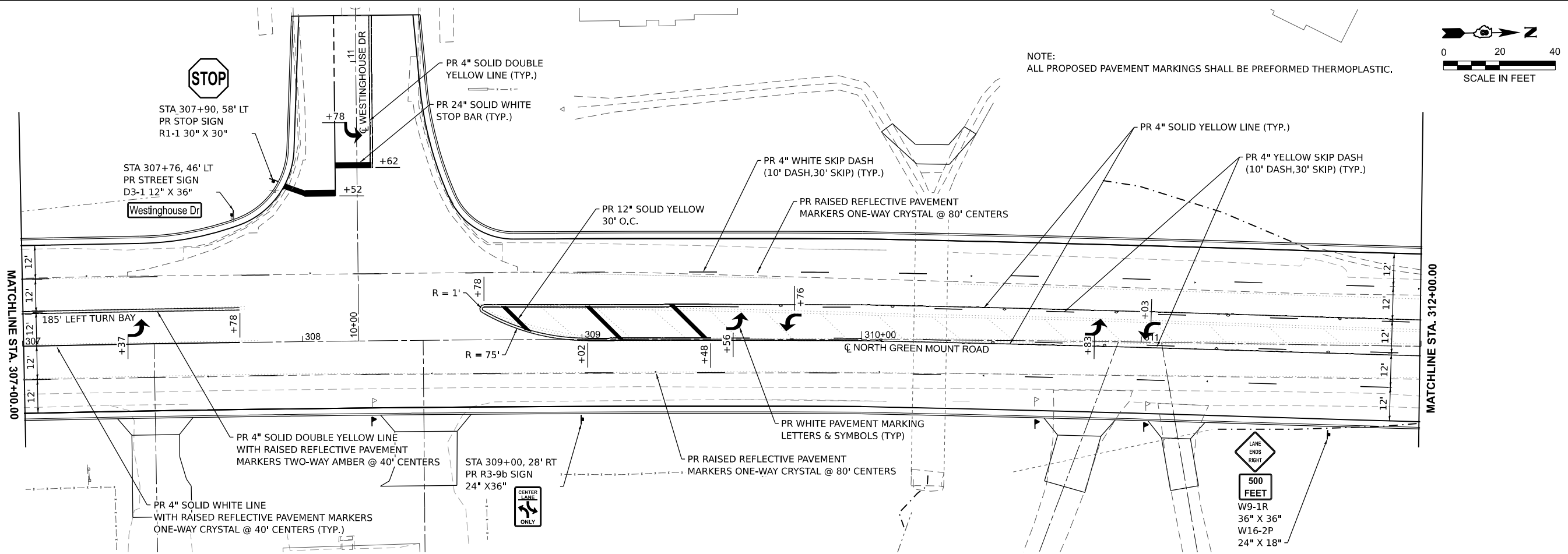
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

PAVEMENT MARKING AND SIGNAGE SHEETS

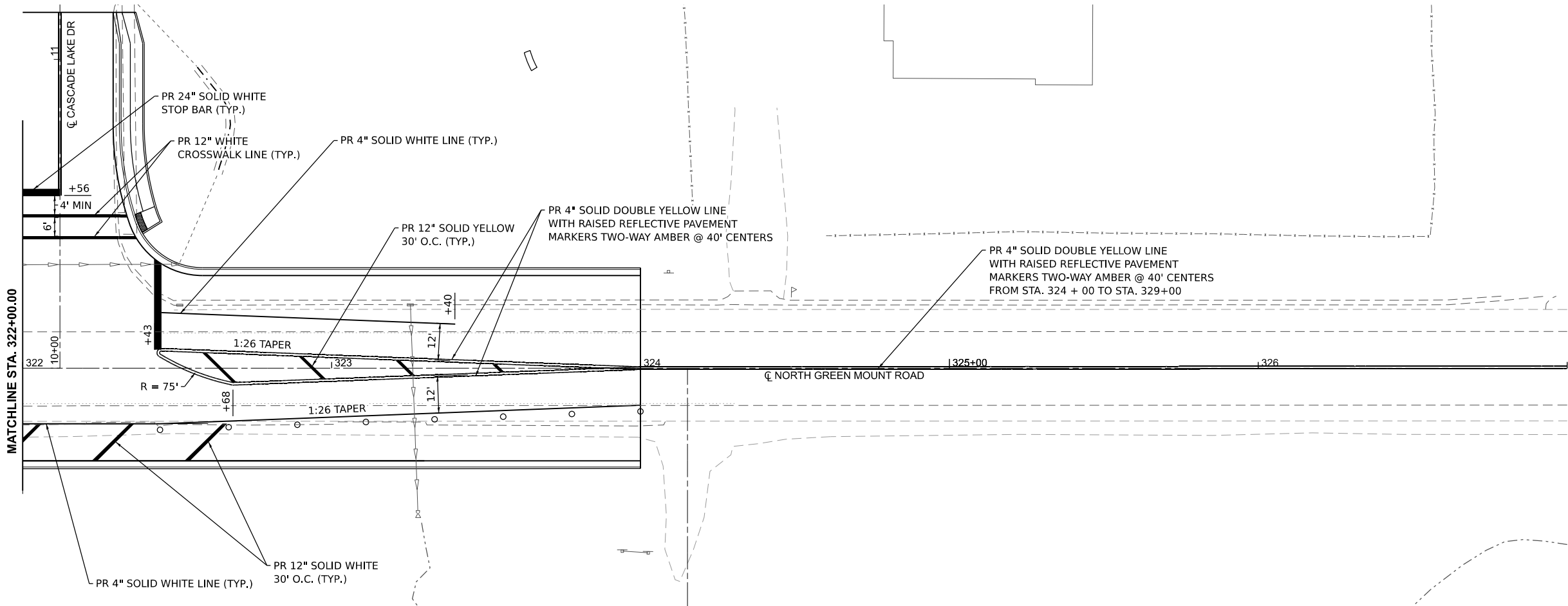
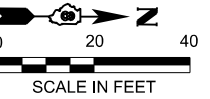
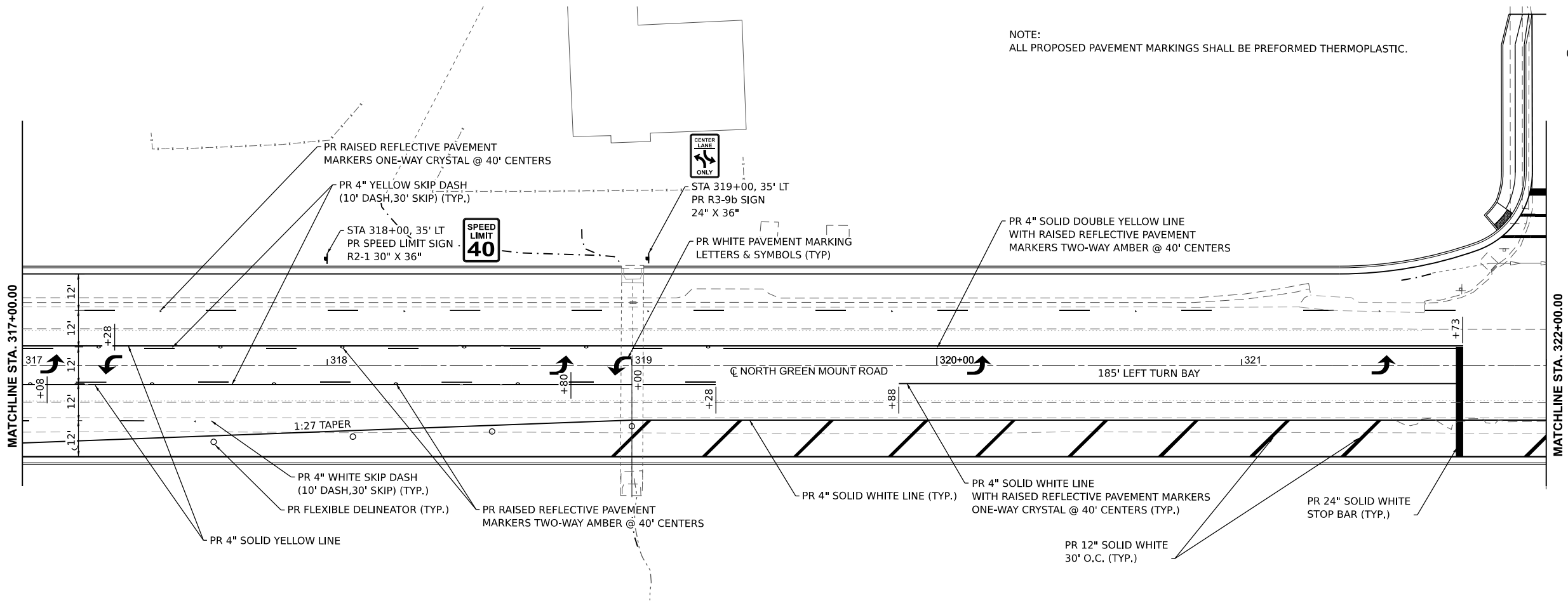
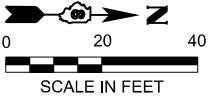
SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	88
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



NOTE:
ALL PROPOSED PAVEMENT MARKINGS SHALL BE PREFORMED THERMOPLASTIC.



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USER NAME =	kaia.morena	DESIGNED -	REVISED -
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PLOT DATE =	7/17/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

PAVEMENT MARKING AND SIGNAGE SHEETS

SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	89
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

ELECTRICAL GENERAL NOTES

1.

PRIOR TO COMMENCING CONSTRUCTION OF ANY COMPONENT OF THE PROPOSED TRAFFIC SIGNAL SYSTEM, ALL UNDERGROUND UTILITIES SHALL BE FIELD LOCATED ACCORDING TO ARTICLE 107.37 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". AGENCIES KNOWN TO HAVE FACILITIES WITHN THE PROJECT LIMITS ARE LISTED IN THE GENERAL NOTES OF THE PLANS. CALL J.U.L.I.E. (800) 892-0123 ONE WEEK BEFORE PLANNING TO DIG. IT MAY BE NECESSARY TO HAND DIG TEST HOLES TO EXPOSE EXISTING UTILITIES AT SOME LOCATIONS.
2.

TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TONGUE CONNECTORS.
3.

THE QUANTITIES SHOWN FOR TRAFFIC SIGNAL CABLE IN CONDUIT AND REMOVAL OF ELECTRIC CABLE FROM CONDUIT ASSUME THAT ALL CABLE IN EXISTING CONDUIT WILL NEED TO BE REPLACED. IF IT IS DETERMINED IN THE FIELD THAT THIS CABLE IS SUITABLE FOR USE AND IT WILL NOT BE DAMAGED WHILE PULLING ADDITIONAL CABLE THROUGH THE CONDUIT, IT MAY BE RE-USED.
4.

MOUNTING HARDWARE, SIGNAL POSTS AND BASES SHALL BE PAINTED BLACK TO MATCH EXISTING TRAFFIC SIGNAL POSTS AND MAST ARMS. BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
5.

THE LOCATION OF MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 1.5 FEET FROM THE FACE OF THE CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLE.
6.

SEE MAST ARM FOUNDATION TABLE FOR DEPTHS OF CONCRETE FOUNDATION.
7.

THE LOCATION OF SIGNAL HEADS ON MAST ARMS SHALL BE APPROVED BY THE ENGINEER BEFORE MAST ARMS ARE INSTALLED.
8.

BACKPLATES SHALL BE YELLOW, ABS PLASTIC, AND REFLECTIVE.
9.

INDUCTIVE LOOP DETECTORS SUPPLIED FOR THIS PROJECT SHALL BE RACK MOUNTED AND SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE, IF A TIME SETTING IS PROGRAMMED.
10.

THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT.
11.

DURING SAWING OPERATIONS, THE CONTRACTOR SHALL CONTROL DUST SO THAT IT DOES NOT BECOME AIRBORNE AND DRIFT INTO TRAFFIC OR ONTO ADJACENT PROPERTIES.
12.

DETECTOR LOOP LEAD-IN SPLICES SHALL BE MADE IN A HANDHOLE PER SECTION 873 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD WITH NON-HARDENING EPOXY FILLER. RESIN CORE SOLDER SHALL BE USED.
13.

PROPOSED CONDUIT SHALL BE PVC UNLESS NOTED OTHERWISE. ALL CONDUIT SHALL BE PLACED AND BACKFILLED PRIOR TO CONSTRUCTION OF NEW PAVEMENT, SHOULDER AND CURB. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PUSHING OR PULLING CONDUIT AFTER SUCH WORK HAS BEEN COMPLETED.
14.

CONDUIT SPLICES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED PART OF THE NEW CONDUIT INSTALLATION.
15.

A 1/4" DIAMETER NYLON PULL ROPE SHALL BE INSTALLED IN ALL CONDUITS.
16.

HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE ACCORDING TO ARTICLE 814.03(a) OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". HANDHOLE COVERS SHALL BE SLOPED TO MATCH PROPOSED CONTOURS.
17.

CONNECTION TO AN EXISTING HANDHOLE IS INCIDENTAL TO THE COST OF PROPOSED CONDUIT.
18.

THE FOLLOWING ABBREVIATIONS SUPPLEMENT OR SUPERCEDE HIGHWAY STANDARD 000001:

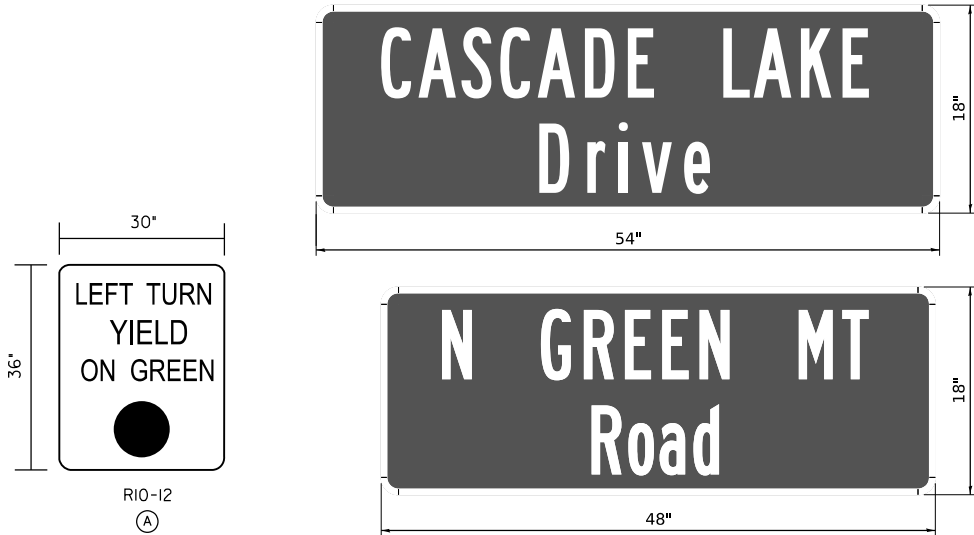
ABND	ABANDON
ALUM	ALUMINUM
BM	BRACKET MOUNTED
EQUIP	EQUIPMENT
GSC	GALVANIZED STEEL CONDUIT
MA	MAST ARM
MAM	MAST ARM MOUNTED
PED	PEDESTRIAN
PVC	POLYVINYL CHLORIDE CONDUIT
PB	PUSH-BUTTON
RELOC	RELOCATE
REC	REMOVE ELECTRICAL CABLE FROM CONDUIT
SH	SIGNAL HEAD
UC	UNDERGROUND CONDUIT



SIGN TO BE PLACED ON SOUTHBOUND MAST ARM (FACING NORTH)



SIGN TO BE PLACED ON NORTHBOUND MAST ARM (FACING SOUTH)



TRAFFIC SIGNAL SIGN PANELS

SIGN PANEL DETAIL

TRAFFIC SIGNAL LEGEND

	PROPOSED SIGNAL HEAD WITH BACKPLATE		POLYVINYL CHLORIDE CONDUIT
	EXISTING SIGNAL HEAD WITH BACKPLATE		GALVANIZED STEEL CONDUIT
	PROPOSED HANDHOLE		REMOVE ELECTRIC CABLE FROM CONDUIT
	EXISTING HANDHOLE		PROPOSED SIGN
	EXISTING DOUBLE HANDHOLE		EXISTING MAST ARM
	PROPOSED DOUBLE HANDHOLE		EXISTING SIGNAL HEAD, PEDESTRIAN
	PROPOSED DETECTOR LOOP		EXISTING PEDESTRIAN PUSHBUTTON DETECTOR
	EXISTING DETECTOR LOOP		EXISTING CONTROLLER
	PROPOSED CONDUIT		EXISTING SIGNAL POST
	EXISTING CONDUIT		PROPOSED SIGNAL POST
			PROPOSED STREET NAME SIGN/TRAFFIC SIGN MOUNTED ON MAST ARM

DETECTOR LOOP REQUIREMENTS & CALCULATIONS

LOOP NO.	LOCATION	PHASE	LOOP SIZE (FOOT)	REQUIRED NO. OF TURNS	LEAD-IN LENGTH (FOOT)	CALCULATED INDUCTANCE (NOTE 1) (MICROHENRIES)	CALCULATED RESISTANCE (NOTE 1) (OHMS)
CASCADE LAKE DR.							
	EB		6' X 50'	3 - 6 - 3	104	810	1.92
	SB RT		6' X 50'	3 - 6 - 3	83	806	1.82
	SB THRU		6' X 50'	3 - 6 - 3	83	806	1.82
	NB LT		6' X 50'	3 - 6 - 3	255	844	2.68
	NB THRU		6' X 50'	3 - 6 - 3	255	844	2.68
	NB THRU		6' X 50'	3 - 6 - 3	255	844	2.68
	NB C.C.O.		6' X 6'	6	375	337	2.24
	NB C.C.O.		6' X 6'	6	375	337	2.24
	SB C.C.O.		6' X 6'	6	375	337	2.24
	SB C.C.O.		6' X 6'	6	375	337	2.24

DETECTOR LOOP NOTES:
1. THE CALCULATED VALUES SHOWN ABOVE ARE FOR COMBINED LOOP + LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

DETECTOR LOOP REQUIREMENTS & CALCULATIONS

LOOP NO.	LOCATION	PHASE	LOOP SIZE (FOOT)	REQUIRED NO. OF TURNS	LEAD-IN LENGTH (FOOT)	CALCULATED INDUCTANCE (NOTE 1) (MICROHENRIES)	CALCULATED RESISTANCE (NOTE 1) (OHMS)
GREYSTONE EST PKWY							
	EB LT		6' X 50'	3 - 6 - 3	296	853	2.88
	EB THRU		6' X 50'	3 - 6 - 3	296	853	2.88
	WB LT		6' X 50'	3 - 6 - 3	88	807	1.84
	WB THRU		6' X 50'	3 - 6 - 3	88	807	1.84
	SB LT		6' X 50'	3 - 6 - 3	205	833	2.43
	SB RT		6' X 50'	3 - 6 - 3	205	833	2.43
	SB THRU		6' X 50'	3 - 6 - 3	205	833	2.43
	NB LT		6' X 50'	3 - 6 - 3	275	848	2.78
	NB RT		6' X 50'	3 - 6 - 3	275	848	2.78
	NB THRU		6' X 50'	3 - 6 - 3	275	848	2.78
	NB C.C.O.		6' X 6'	6	376	338	2.24
	NB C.C.O.		6' X 6'	6	376	338	2.24
	SB C.C.O.		6' X 6'	6	372	337	2.22
	SB C.C.O.		6' X 6'	6	372	337	2.22

DETECTOR LOOP NOTES:
1. THE CALCULATED VALUES SHOWN ABOVE ARE FOR COMBINED LOOP + LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

MAST ARM FOUNDATION TABLE

MAST ARM	LOCATION	MAST ARM LENGTH (FOOT)	FOUNDATION DEPTH (FOOT)	FOUNDATION DIAMETER (INCH)
GREYSTONE EST PKWY				
1	SE			
2	NE	44	13	36
3	NW			36
4	SW	42	13	
CASCADE LAKE DR				
1	SE	30	11	36
2	NE	40	13	36
3	NW		3	24
4	SW	42	13	36

MODEL : Traffic signal notes (Sheet)
FILE NAME: H:\223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\223103-sh1-16.dgn



USER NAME = ryne.wirtjes	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/18/2025	DATE -	REVISED -



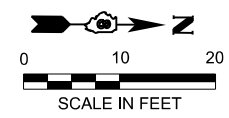
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

TRAFFIC SIGNAL PLANS

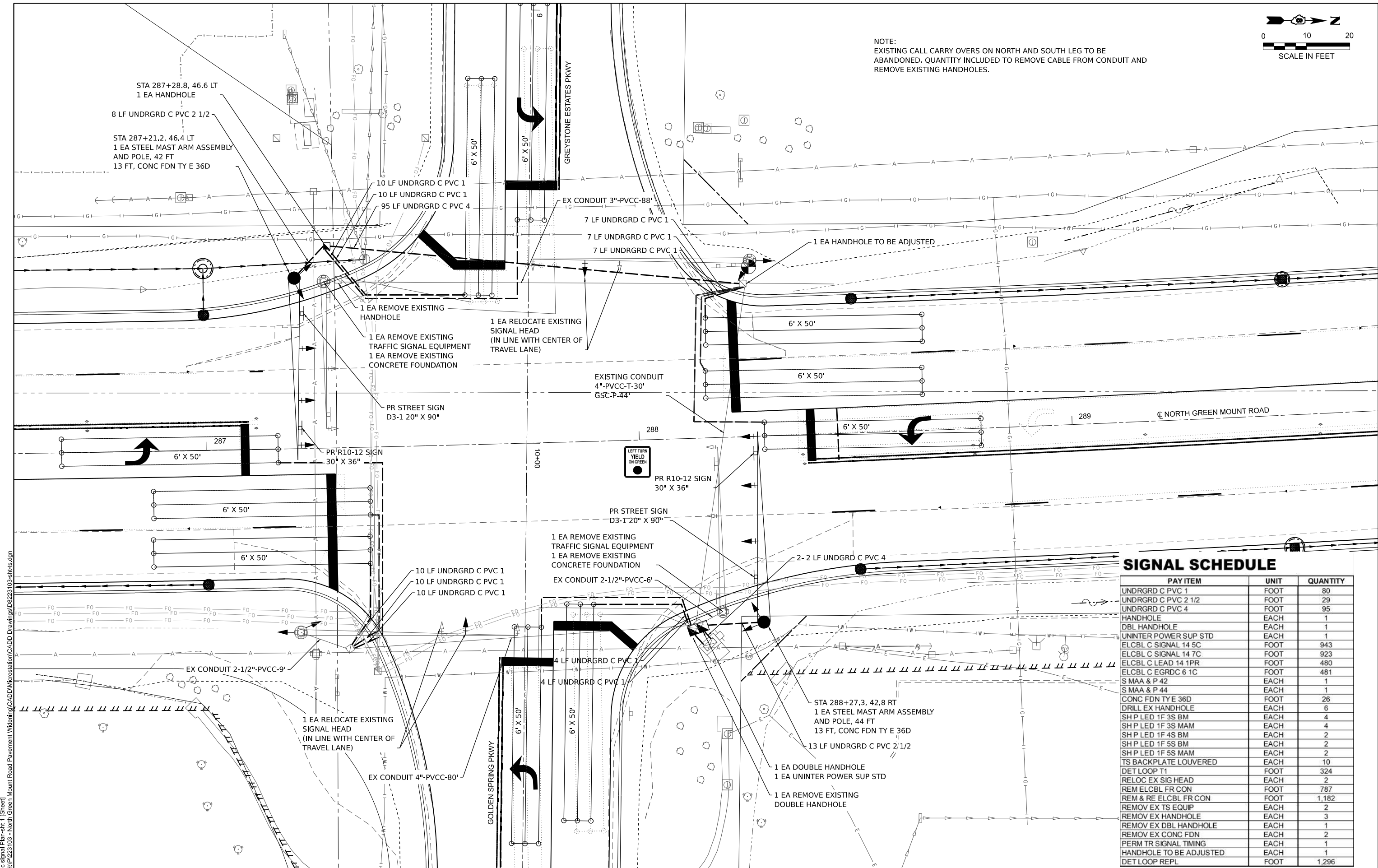
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	90
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



NOTE:
EXISTING CALL CARRY OVERS ON NORTH AND SOUTH LEG TO BE
ABANDONED. QUANTITY INCLUDED TO REMOVE CABLE FROM CONDUIT AND
REMOVE EXISTING HANDHOLES.



SIGNAL SCHEDULE

PAY ITEM	UNIT	QUANTITY
UNDRGRD C PVC 1	FOOT	80
UNDRGRD C PVC 2 1/2	FOOT	29
UNDRGRD C PVC 4	FOOT	95
HANDHOLE	EACH	1
DBL HANDHOLE	EACH	1
UNINTER POWER SUP STD	EACH	1
ELCBL C SIGNAL 14 5C	FOOT	943
ELCBL C SIGNAL 14 7C	FOOT	923
ELCBL C LEAD 14 1PR	FOOT	480
ELCBL C EGRDC 6 1C	FOOT	481
S MAA & P 42	EACH	1
S MAA & P 44	EACH	1
CONC FDN TYE 36D	FOOT	26
DRILL EX HANDHOLE	EACH	6
SH P LED 1F 3S BM	EACH	4
SH P LED 1F 3S MAM	EACH	4
SH P LED 1F 4S BM	EACH	2
SH P LED 1F 5S BM	EACH	2
SH P LED 1F 5S MAM	EACH	2
TS BACKPLATE LOUVERED	EACH	10
DET LOOP T1	FOOT	324
RELOC EX SIG HEAD	EACH	2
REM ELCBL FR CON	FOOT	787
REM & RE ELCBL FR CON	FOOT	1,182
REMOV EX TS EQUIP	EACH	2
REMOV EX HANDHOLE	EACH	3
REMOV EX DBL HANDHOLE	EACH	1
REMOV EX CONC FDN	EACH	2
PERM TR SIGNAL TIMING	EACH	1
HANDHOLE TO BE ADJUSTED	EACH	1
DET LOOP REPL	FOOT	1,296

MODEL: Traffic Signal Plans-1 (Sheet)
FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\223103-sh1-16.dgn



USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 6/18/2025	DATE -	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

TRAFFIC SIGNAL PLANS

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F&U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	91
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

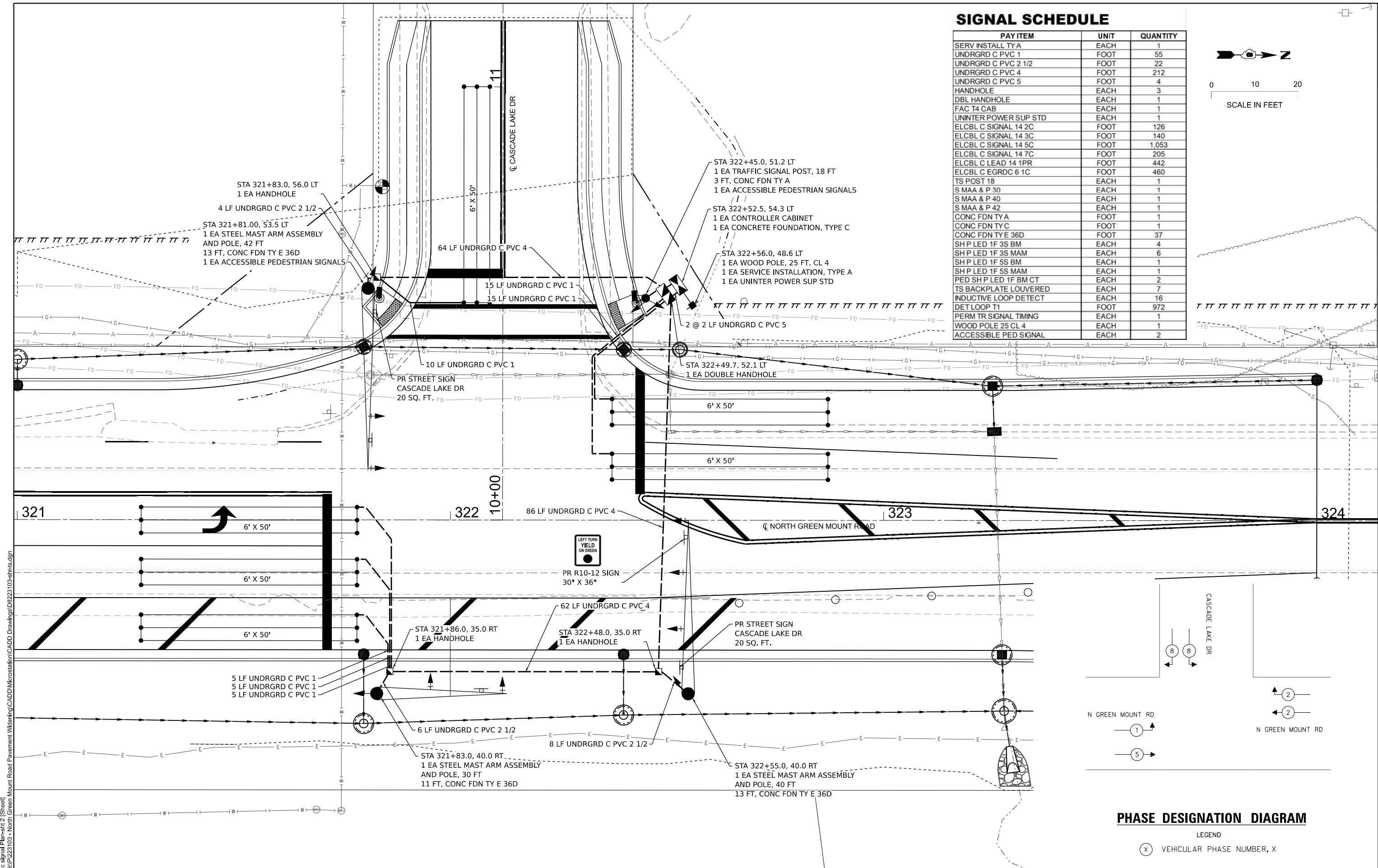
16-00333-17-PW

SIGNAL SCHEDULE

PAY ITEM	UNIT	QUANTITY
SERV INSTALL TY A	EACH	1
UNDRGRD C PVC 1	FOOT	55
UNDRGRD C PVC 2 1/2	FOOT	22
UNDRGRD C PVC 4	FOOT	212
UNDRGRD C PVC 5	FOOT	4
HANDHOLE	EACH	3
DBL HANDHOLE	EACH	1
FAC T4 CAB	EACH	1
UNINTER POWER SUP STD	EACH	1
ELCBL C SIGNAL 14 2C	FOOT	126
ELCBL C SIGNAL 14 3C	FOOT	140
ELCBL C SIGNAL 14 5C	FOOT	1,053
ELCBL C SIGNAL 14 7C	FOOT	205
ELCBL C LEAD 14 1PR	FOOT	442
ELCBL C EGRDC 6 1C	FOOT	460
TS POST 18	EACH	1
S MAA & P 30	EACH	1
S MAA & P 40	EACH	1
S MAA & P 42	EACH	1
CONC FDN TY A	FOOT	1
CONC FDN TY C	FOOT	1
CONC FDN TY E 36D	FOOT	37
SH P LED 1F 3S BM	EACH	4
SH P LED 1F 3S MAM	EACH	6
SH P LED 1F 5S BM	EACH	1
SH P LED 1F 5S MAM	EACH	1
PED SH P LED 1F BM CT	EACH	2
TS BACKPLATE LOUVERED	EACH	7
INDUCTIVE LOOP DETECT	EACH	16
DET LOOP T1	FOOT	972
PERM TR SIGNAL TIMING	EACH	1
WOOD POLE 25 CL 4	EACH	1
ACCESSIBLE PED SIGNAL	EACH	2



0 10 20
SCALE IN FEET



PHASE DESIGNATION DIAGRAM

LEGEND

(X) VEHICULAR PHASE NUMBER, X



USER NAME = kevin.botterbush	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/19/2025	DATE -	REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

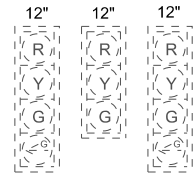
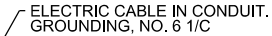
TRAFFIC SIGNAL PLANS

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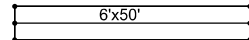
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CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW

MODEL: Traffic signal Plans-rt 2 [Sheet]
FILE NAME: H:\2223103 - North Green Mount Road Pavement Widening\CADD\Microstation\CADD Drawings\2223103-sht-92.dgn



CABLE DIAGRAM LEGEND



PROPOSED FULL-ACTUATED CONTROLLER AND TYPE IV CABINET

[illegible]

		YELLOW ALL RED		YELLOW ALL RED		YELLOW ALL RED		YELLOW ALL RED
A.M.	6	4 1	34	4 1	10	4 1	10	4 1
P.M.	6	4 1	34	4 1	10	4 1	10	4 1

		YELLOW ALL RED		YELLOW ALL RED		YELLOW ALL RED		YELLOW ALL RED
A.M.	6	4 1	34	4 1	10	4 1	10	4 1
P.M.	6	4 1	34	4 1	10	4 1	10	4 1



MODEL: Schematic-1-1 [Sheet]
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USER NAME = kevin.botterbush
DESIGNED -
DRAWN -
CHECKED -
DATE -
PLOT DATE = 6/18/2025

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
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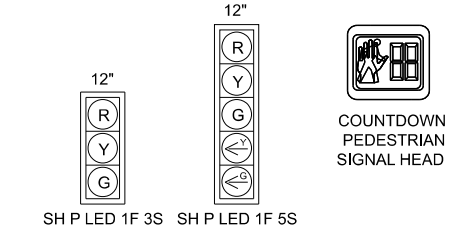
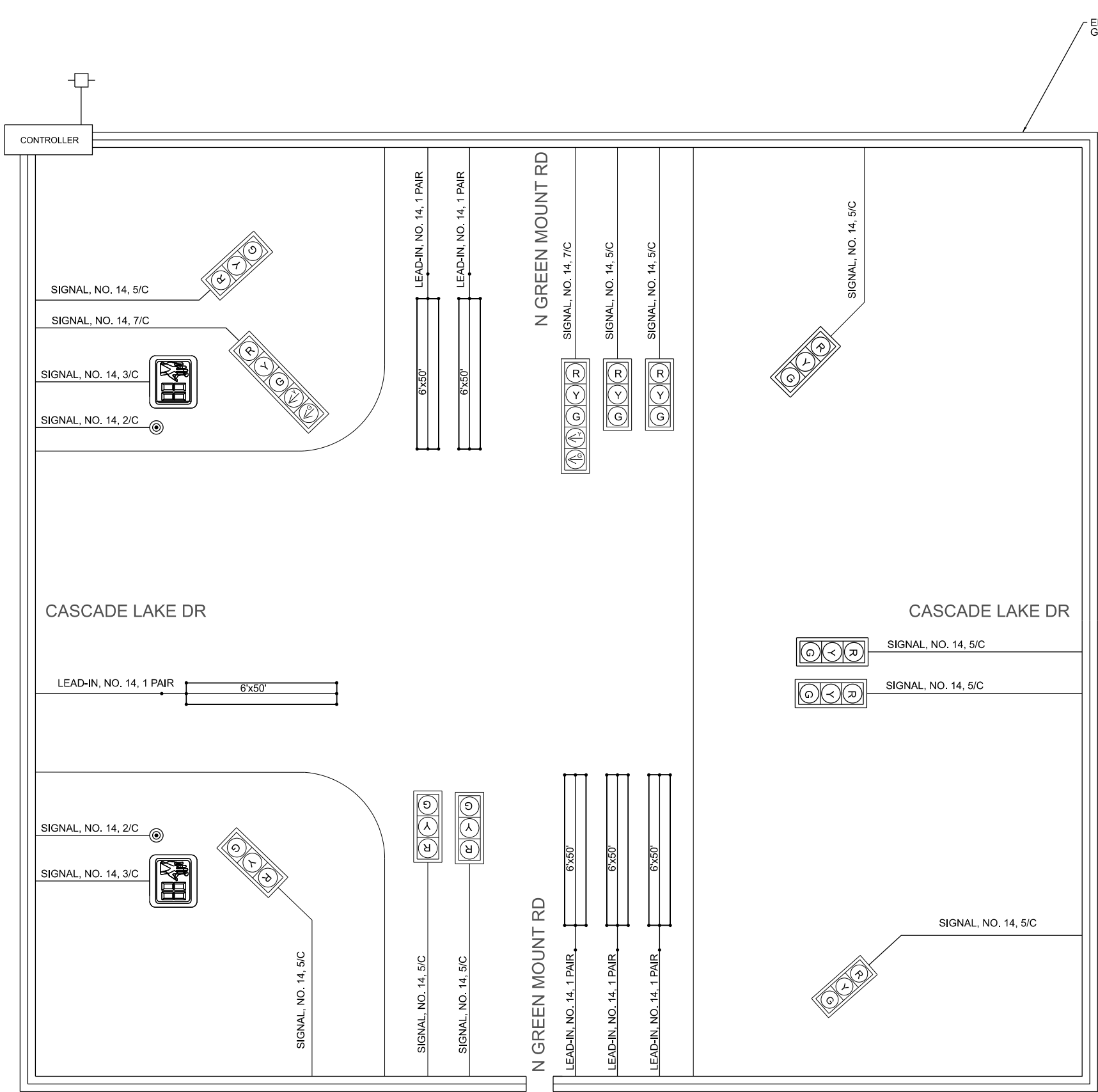
ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

TRAFFIC SIGNAL PLANS

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

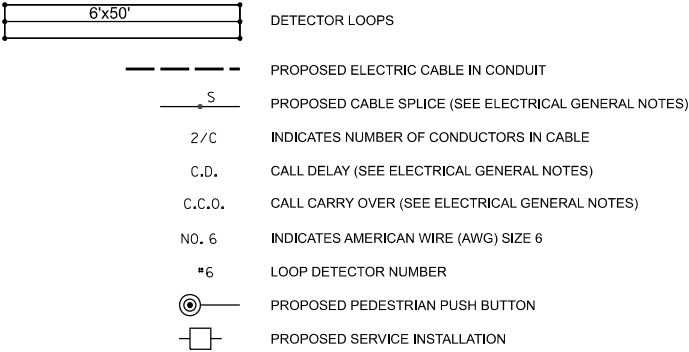
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9170	16-00333-17-PW	ST. CLAIR	174	94
CONTRACT NO. 97873				
ILLINOIS FED. AID PROJECT				

16-00333-17-PW



PROPOSED TRAFFIC SIGNAL FACES

CABLE DIAGRAM LEGEND



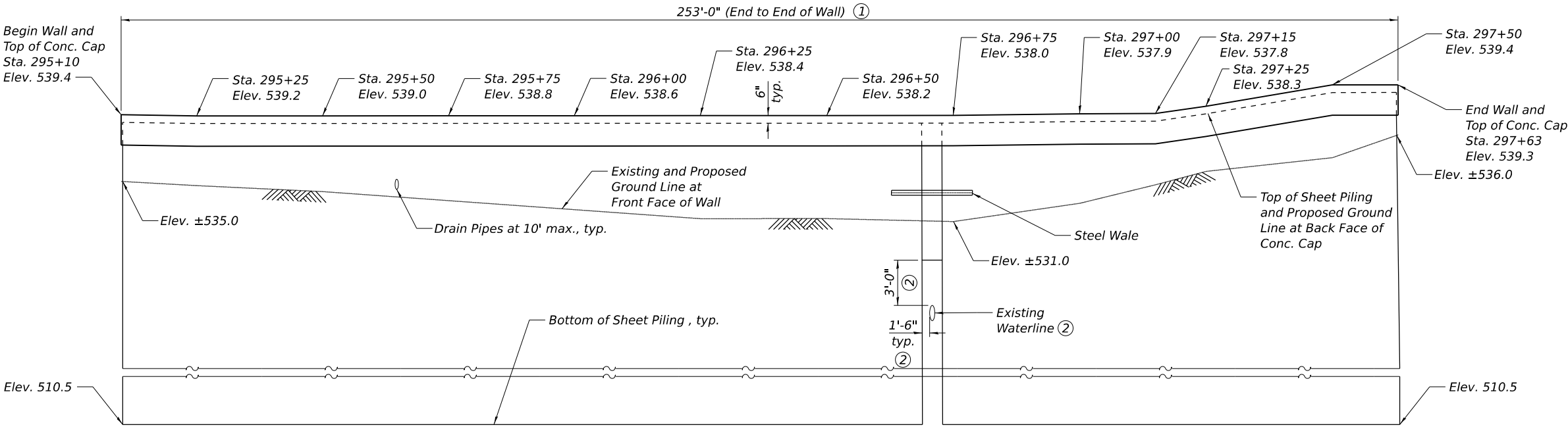
PROPOSED SEQUENCE OF OPERATIONS

PROPOSED FULL-ACTUATED CONTROLLER AND TYPE IV CABINET								
PHASE 1	1	2	3	4	5	6	7	8
MOVEMENT			NOT USED	NOT USED	NOT USED		NOT USED	
CONCURRENT MOVEMENT PERMITTED	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

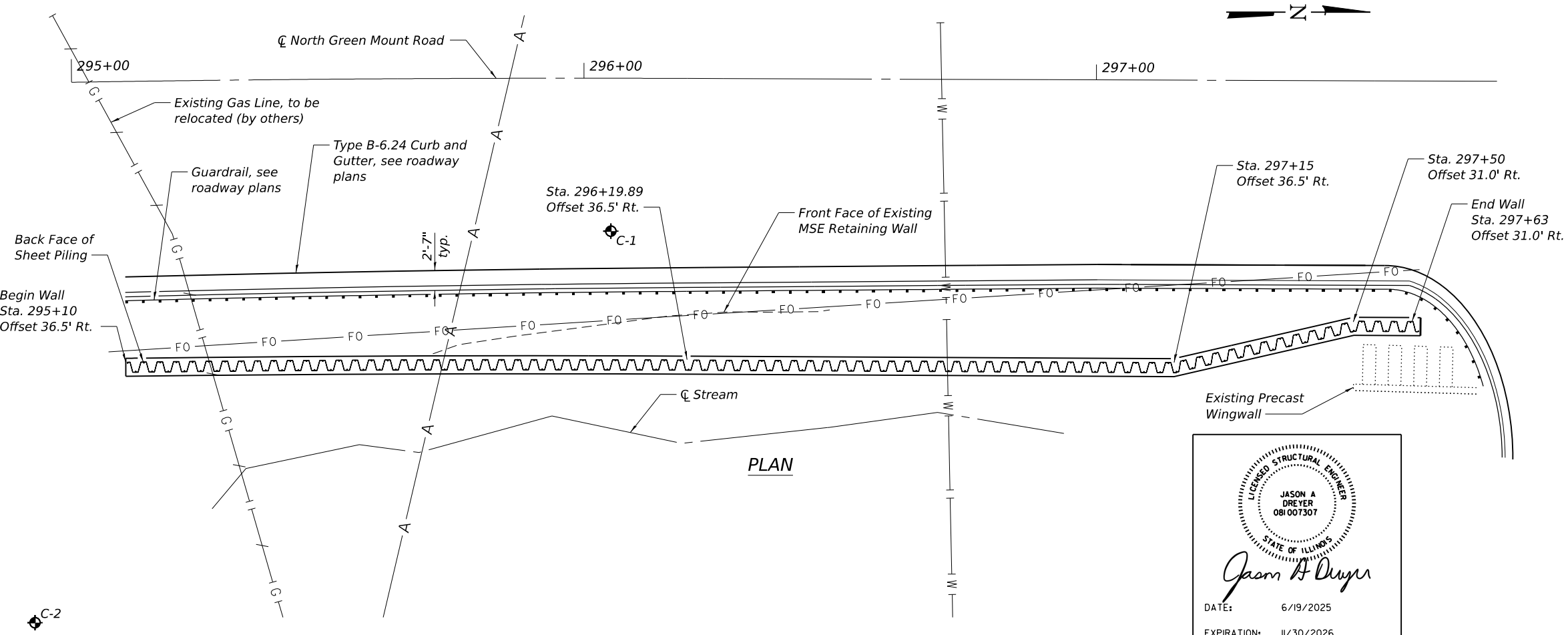
PHASING DIAGRAM

		YELLOW ALL RED		YELLOW ALL RED		YELLOW ALL RED
A.M.	6	4 1	30	4 1	9	4 1
P.M.	6	4 1	30	4 1	9	4 1

Benchmark "F" Benchtie in P.P. Sta. 296+13.14, 45.31' LT, Elev. 537.46



ELEVATION



PLAN

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications, 17th Edition

DESIGN STRESSES

FIELD UNITS (New Construction)

$f'_c = 3,500$ psi
 $f_y = 60,000$ (Reinforcement)
 $f_y = 50,000$ psi (Steel Sheet Pile)
 $f_y = 36,000$ psi (Steel Wale)

Permanent Steel Sheet Piling Z Shape
Minimum Effective Section Modulus = 30 in³/ft. wall

INDEX OF SHEETS

Sheet No.	Description
1	General Plan & Elevation
2-3	Retaining Wall Details
4-6	Soil Boring Logs

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Permanent Sheet Piling	Sq. Ft.	6,890

GENERAL NOTES

Cost of all materials and labor required to construct the permanent steel sheet pile wall, including concrete, reinforcement, steel wale, stud shear connectors, granular backfill and all other appurtenances and incidental work as shown in these plans, complete in place, will be considered completely covered by the contract unit price for Permanent Sheet Piling.

Reinforcement bars shall be according to Section 508 of the Standard Specifications. All reinforcement shall be epoxy coated.

Concrete shall be Class SI and shall be according to Section 503 of the Standard Specifications.

Steel wale and stud shear connectors shall be according to Section 505 of the Standard Specifications.

An existing Mechanically Stabilized Earth retaining wall exists from about Sta. 295+69.5 to Sta. 296+48.5. The top lift of the existing retaining wall shall be removed to accommodate construction of the proposed pavement and guardrail.

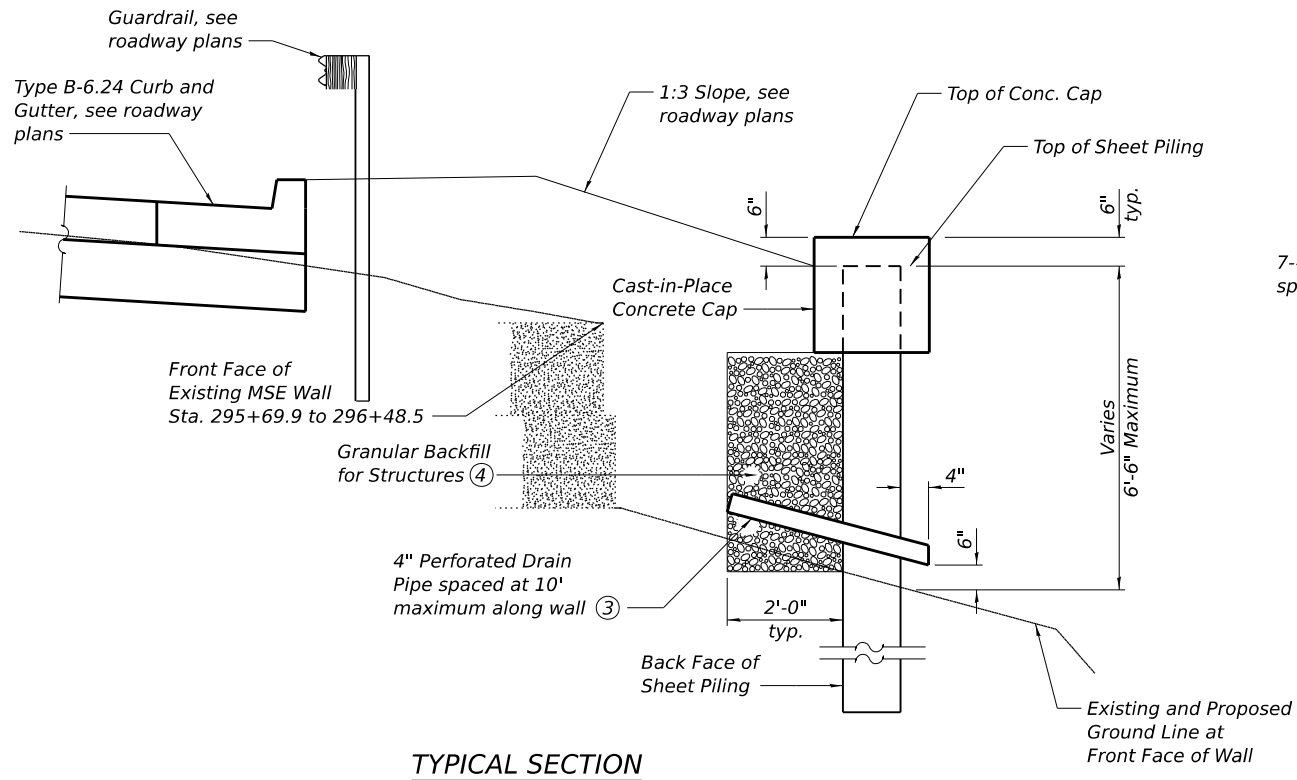
- Notes:
- Wall length measured horizontally along back face of sheet piling.
 - Contractor shall pothole to identify the horizontal and vertical location of the waterline at the retaining wall and shall provide the specified horizontal and vertical clearances from sheet piling to the waterline.

RETAINING WALL
STA. 295+10 TO STA. 297+63

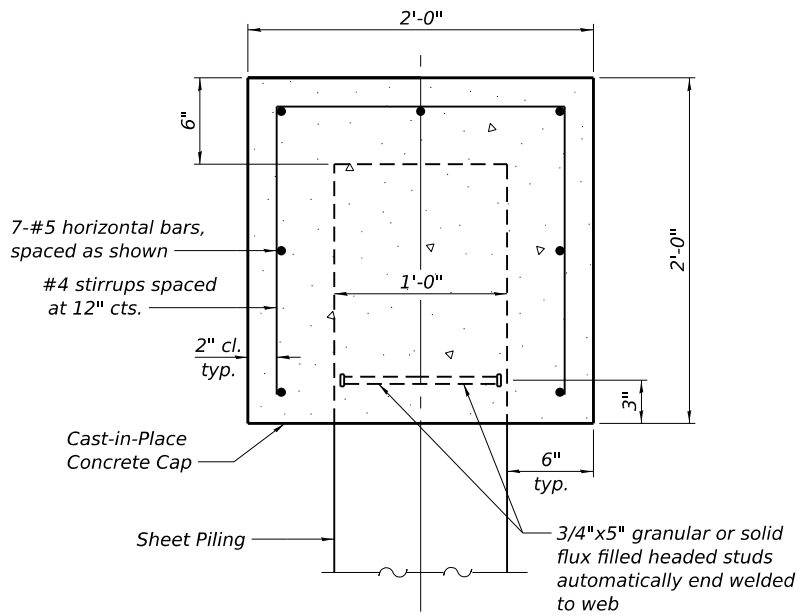
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	95
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

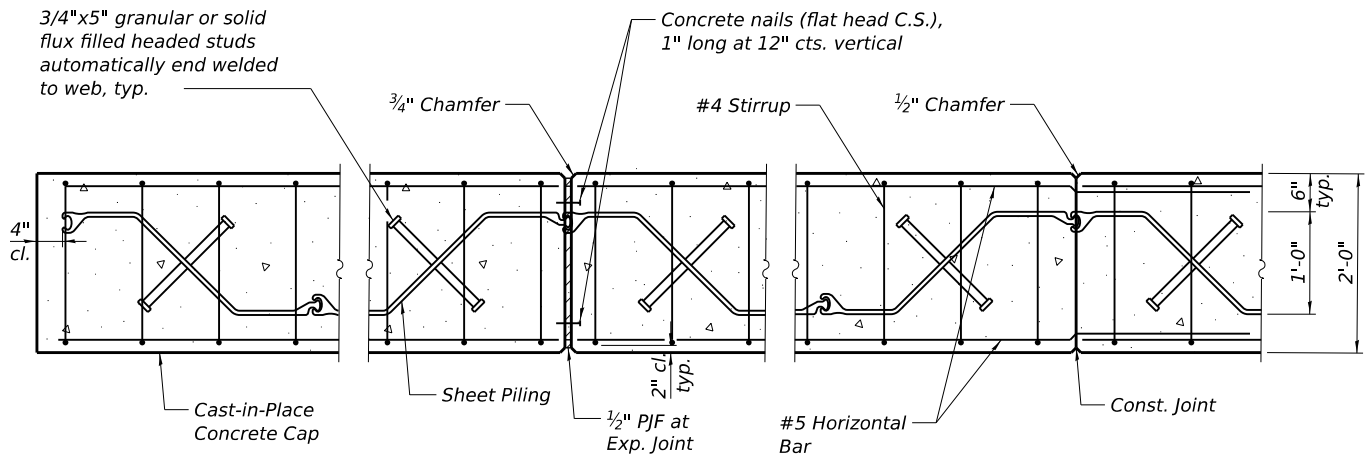
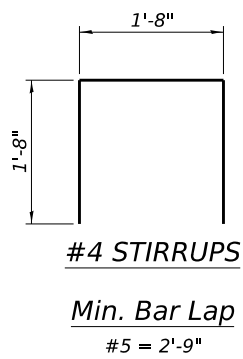
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6/19/2025 4:50:19 PM



TYPICAL SECTION



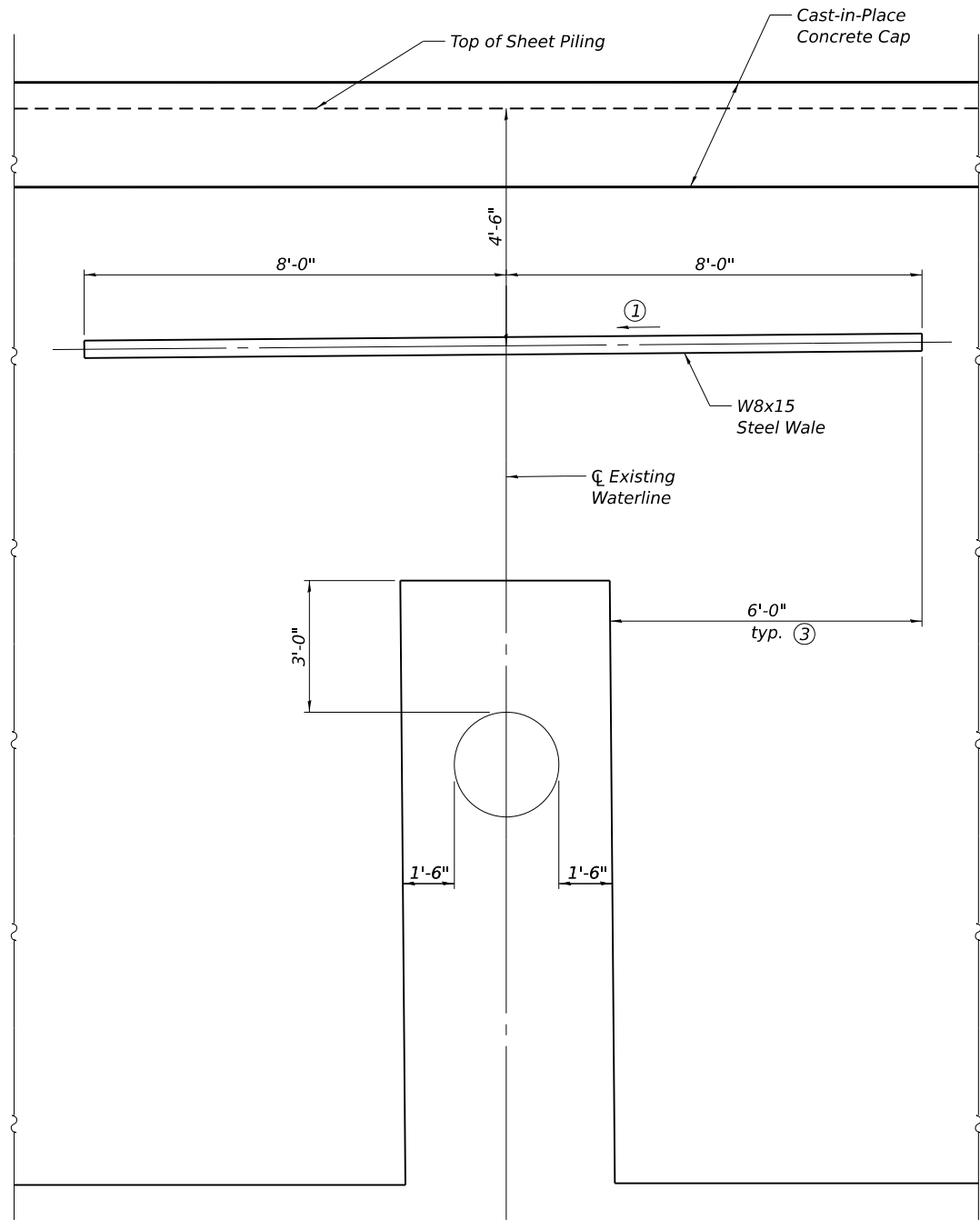
SECTION THRU CONCRETE CAP ②



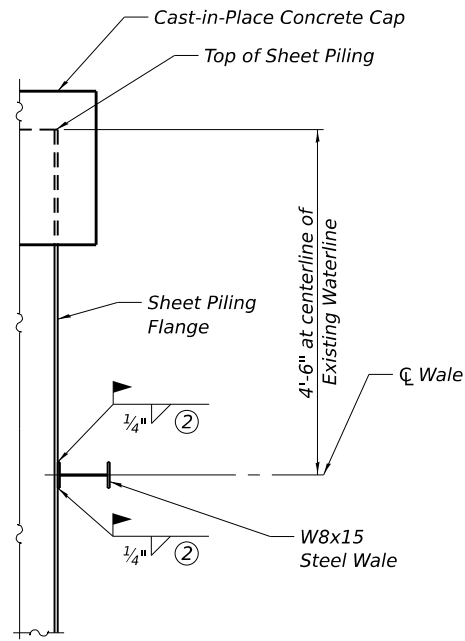
PARTIAL PLAN OF CONCRETE CAP ②

Notes:

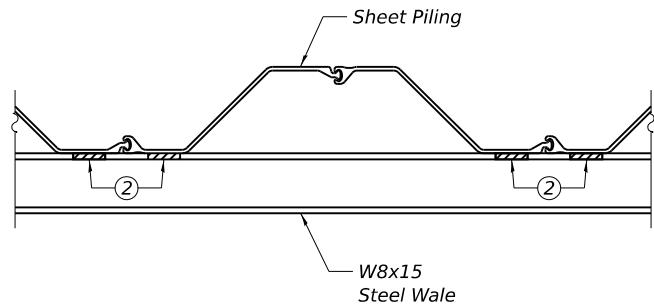
- ① Top lift of existing MSE Wall shall be removed, see General Notes on Sheet 1 of 6.
- ② The details for the concrete cap and reinforcement are based on Section PZ-27 Sheet Piling. If the Contractor chooses to use any other section, then the Contractor shall submit revised concrete cap and reinforcement configuration for approval by Engineer. Such changes shall not be cause for additional compensation. The concrete cap shall have construction joints and expansion joints as shown. Maximum spacing of construction joints and expansion joints shall be 20' and 80', respectively.
- ③ Perforated drain pipe shall be capped at the backfill end and wrapped in geotechnical fabric within the backfill. Pipe and geotechnical fabric shall be according to Section 601 of the Standard Specifications for Pipe Underdrains for Structures.
- ④ Granular Backfill for Structures shall be according to Section 586 of the Standard Specifications. Backfill shall be in place prior to pouring the concrete cap.



ELEVATION AT EXISTING WATERLINE



WALE DETAIL



WELD SPACING DETAIL

- Notes:
- ① Steel wale shall be sloped 0.5% for drainage.
 - ② 2" long weld on every sheet piling flange, see Weld Spacing Detail.
 - ③ Steel wale shall be welded to a minimum of four sheet piling flanges. Wale to be lengthened as needed to meet this requirement.
 - ④ Welds shall use E70xx Electrodes.

FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\Bridges\MicroStation\B223103-03-Retaining Wall Details.dgn

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	97
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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**ST. CLAIR COUNTY
DEPARTMENT OF ROADS AND BRIDGES**

SOIL BORING LOGS

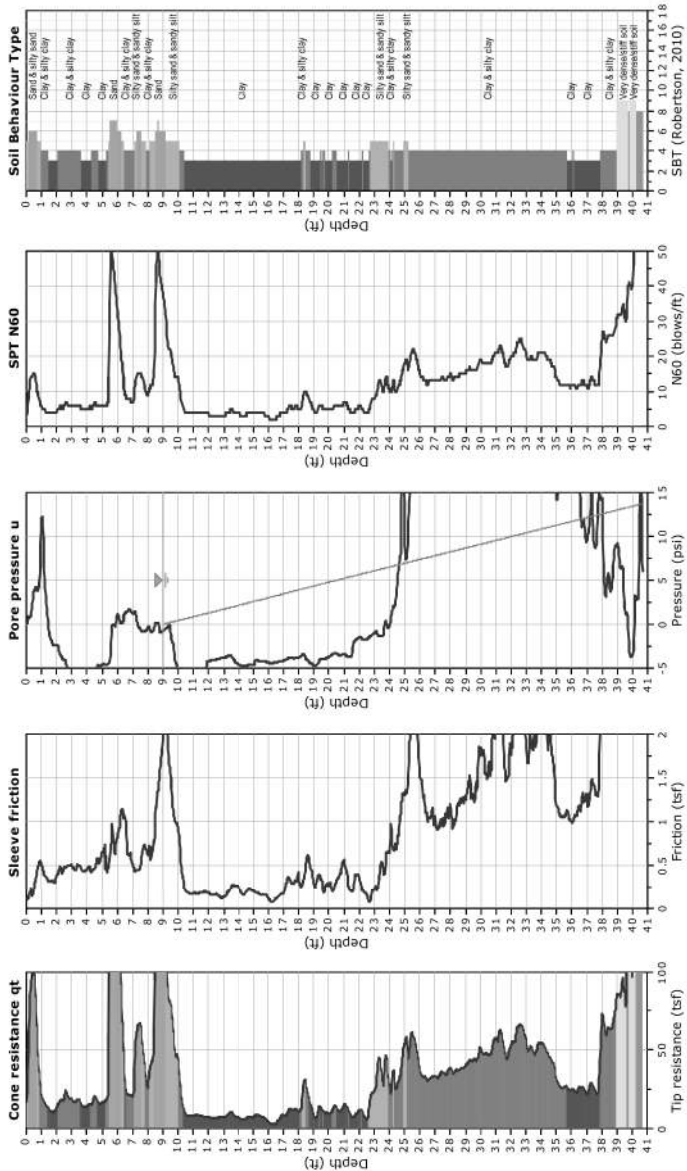
SHEET 4 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	98
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

SCI Engineering Inc.
650 Pierce Blvd, O'Fallon, IL 62269
Geotechnical Engineering
http://www.sciengineering.com

Project: Ashford Farms Retaining Wall: 2014-3065.13
Location: Shiloh, Illinois

CPT: C-1
Total depth: 40.72 ft, Date: 6/9/2025
Surface Elevation: 539.00 ft

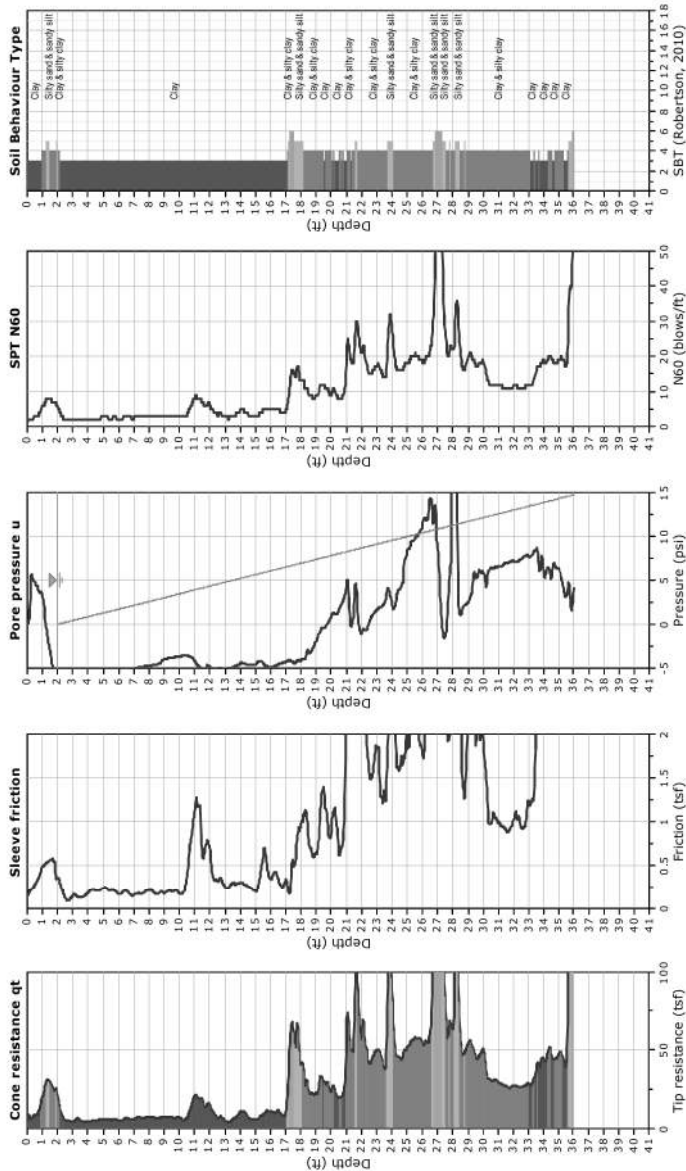


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SCI Engineering Inc.
650 Pierce Blvd, O'Fallon, IL 62269
Geotechnical Engineering
http://www.sciengineering.com

Project: Ashford Farms Retaining Wall: 2014-3065.13
Location: Shiloh, Illinois

CPT: C-2
Total depth: 36.02 ft, Date: 6/9/2025
Surface Elevation: 533.00 ft



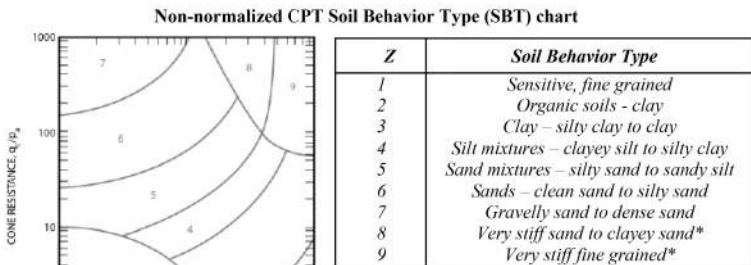
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USE and UNDERSTANDING of CPTu Logs

The CPTu logs show the corrected Tip Resistance (q_t), Friction (f_s), Porewater Pressure (U_2), SPT N_{60} correlation (N_{60}), and the Soil Behavior interpretation results. The corrected cone tip resistance (q_t) is measured as the maximum force over the projected area of the cone tip. It is a point stress related to the bearing capacity of the soil. The measured uncorrected tip value (q_u) must be corrected for porewater pressure effects (Lunne et al, 1997), especially in clays and silts where porewater pressures typically vary greatly from hydrostatic. The sleeve friction (f_s) is used as a measure of soil type and can be expressed by friction ratio (R_f) which is used in the soil behavior classification. The u_2 position element is required for the measurement of penetration porewater pressures and the correction of tip resistance. Calculations of q_t , R_f , and the SPT N_{60} calculation are discussed below.

The estimated stratigraphic profiles included in the CPTu logs are based on relationships between q_t , f_s , and U_2 as shown graphically in the figure below.



Derived Values from CPT
Corrected cone resistance: $q_t = q_u + u_2(1-a)$
Friction ratio: $R_f = (f_s/q_t) \times 100\%$

Equivalent SPT N_{60} , (blows/ft) Lunne et al. (1997)
$$\frac{(q_u/p_a)}{N_{60}} = 8.5 \times \left(1 - \frac{I_c}{4.6}\right)$$

Where $I_c = ((3.47 - \log Q_{u1})^2 + (\log R_f + 1.22)^2)^{0.5}$
And $Q_{u1} = ((q_u - s_{v0})/p_a) \times (p_a/(s'_{v0})_n)$, and
recalculate I_c , then iterate for n:
$$n = 0.381 \times I_c + 0.05 \times \left(\frac{s_{v0}}{p_a}\right) - 0.15$$

Iterate until the change in n, $\Delta n < 0.01$

P_a = atmospheric pressure = 100 kPa = 1 tsf

* Heavily overconsolidated or cemented

SCI Engineering, Inc

1 | Page

4/4/2017

FILE NAME: H:\P223103 - North Green Mount Road Pavement Widening\Bridges\Microsoft\B223103-05-Soil Boring Logs.dgn 6/19/2025 4:50:26 PM

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	CHECKED -	REVISED -
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PLOT DATE = 6/19/2025	CHECKED -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	99
CONTRACT NO.				
ILLINOIS		FED. AID PROJECT		



PROJECT Ashford Farms Retaining Wall
LOCATION Shiloh, Illinois
DRILLER SCI Engineering, Inc.
EQUIPMENT Vertek S4 CPT w/Discrete Sampler
BORING NUMBER C-1
SHEET 1 of 1
PROJECT NO. 2014-3065.13
DATE DRILLED 06/09/2025
HAMMER N/A
ELEVATION 539±

BORING LOG

DEPTH (ft)	SAMPLE				DESCRIPTION (UNIFIED SOIL CLASSIFICATION)	GRAPHIC	SEE REMARK NO.	LABORATORY TEST RESULTS						DEPTH (ft)	
	NUMBER	TYPE	RECOVERY (in/in)	BLOWS (per 6 in)				MOISTURE CONTENT (%)	DRY DENSITY (pcf)	HAND PENETROMETER (ksf)	UNCONFINED COMPRESSIVE STRENGTH (ksf)	LIQUID LIMIT	PLASTICITY INDEX		
1	1	DP	45/48		FILL: Brown, fat clay, with crushed rock			25		5.0			52	34	
3					No crushed rock				26		2.5				
6	2	DP	43/48		FILL: Brown, lean clay			20		5.0					
					FILL: Crushed rock										
					FILL: Gray, lean clay				20		3.0		40	18	
9					Boring terminated at 8 feet.										
12															12
15															15
18															18

WATER LEVEL:
X NONE OBSERVED WHILE DRILLING
ft WHILE DRILLING
ft HRS AFTER DRILLING
ft DAYS AFTER DRILLING

REMARKS:



PROJECT Ashford Farms Retaining Wall
LOCATION Shiloh, Illinois
DRILLER SCI Engineering, Inc.
EQUIPMENT Vertek S4 CPT w/Discrete Sampler
BORING NUMBER C-2
SHEET 1 of 1
PROJECT NO. 2014-3065.13
DATE DRILLED 06/09/2025
HAMMER N/A
ELEVATION 533±

BORING LOG

DEPTH (ft)	SAMPLE				DESCRIPTION (UNIFIED SOIL CLASSIFICATION)	GRAPHIC	SEE REMARK NO.	LABORATORY TEST RESULTS						DEPTH (ft)
	NUMBER	TYPE	RECOVERY (in/in)	BLOWS (per 6 in)				MOISTURE CONTENT (%)	DRY DENSITY (pcf)	HAND PENETROMETER (ksf)	UNCONFINED COMPRESSIVE STRENGTH (ksf)	LIQUID LIMIT	PLASTICITY INDEX	
1 														

WATER LEVEL:
X NONE OBSERVED WHILE DRILLING
2.5 ft WHILE DRILLING
ft HRS AFTER DRILLING
ft DAYS AFTER DRILLING

REMARKS:



SCI ENGINEERING, INC.
650 Pierce Boulevard
O'Fallon, Illinois 62269
618-624-6969
www.sciengineering.com

BORING LOG LEGEND AND NOMENCLATURE

Depth is in feet below ground surface. Elevation is in feet in reference to sea level, site datum, or as otherwise noted.

Sample Type

- SS Split-spoon sample, disturbed, obtained by driving a 2-inch-O.D. split-spoon sampler (ASTM D 1586).
NX Diamond core bit, nominal 2-inch-diameter rock sample (ASTM D 2113).
NQ Diamond core bit, nominal 1 7/8-inch diameter rock sample
ST Thin-walled (Shelby) tube sample, relatively undisturbed, obtained by pushing a 3-inch-diameter, tube (ASTM D 1587).
CS Continuous sample tube system, relatively undisturbed, obtained by split-barrel sampler in conjunction with auger advancement.
SV Shear vane, field test to determine strength of cohesive soil by pushing or driving a 2-inch-diameter vane, and then shearing by torquing soil in existing and remolded states (ASTM D 2573).
BS Bag sample, disturbed, obtained from cuttings.
MC Modified California Sampler, disturbed, obtained by driving a 2.5-inch O.D. ring-lined split-barrel sampler (ASTM D 3550).

Recovery is expressed as the sample length recovered / the total length pushed, driven, or cored.

Blows Numbers indicate blows per 6 inches of split-spoon sampler penetration when driven with a 140-pound hammer falling freely 30 inches. The number of total blows obtained for the second and third 6-inch increments is the N value (Standard Penetration Test or SPT) in blows per foot (ASTM D 1586). Practical refusal is considered to be 50 or more blows without achieving 6 inches of penetration and is expressed as a ratio of 50 to actual penetration, e.g., 50/2 (50 blows for 2 inches).

For analysis, the N value is used when obtained by a cathode and rope system. When obtained by an automatic hammer, the N value may be increased by a factor of 1.3.

Vane Shear Strength is expressed as the peak strength (existing state) / the residual strength (remolded state).

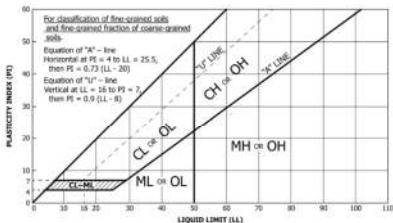
Description indicates soil constituents and other classification characteristics (ASTM D 2488) and the Unified Soil Classification (ASTM D 2487).

SOIL GRAIN SIZE

Soil Component	Particle Size Range
Boulders	> 12 in.
Cobbles	12 in. -3 in.
Gravel	3 in. - #4 sieve (4.75 mm)
Coarse Gravel	3 in. - 3/4 in.
Fine Gravel	3/4 in. - #4 sieve (4.75 mm)
Sand	#4 sieve (4.75 mm) - #200 sieve (0.075 mm)
Coarse Sand	#4 sieve (4.75 mm) - #10 sieve (2 mm)
Medium Sand	#10 sieve (2 mm) - #40 sieve (0.425 mm)
Fine Sand	#40 sieve (0.425 mm) - #200 sieve (0.075 mm)
Fines (Silt & Clay)	< #200 sieve (0.075 mm)

in – inches
mm – millimeters

PLASTICITY CHART



BORING LOG LEGEND AND NOMENCLATURE

Strength of Cohesive Soils			Density of Granular Soils	
Consistency	N-Value	Unconfined Comp. Strength (ksf)	Descriptive Term	N-Value
Very Soft	0 – 2	< 0.50	Very Loose	0 – 4
Soft	3 – 4	0.50 – 1.00	Loose	5 – 10
Medium Stiff	5 – 8	1.0 – 2.0	Medium Dense	11 – 29
Stiff	9 – 15	2.0 – 4.0	Dense	30 – 49
Very Stiff	16 – 30	4.0 – 6.0	Very Dense	Over 50
Hard	Over 30	> 8.0		

ksf – kips per square foot

USCS SOIL CLASSIFICATION

		Major Divisions	Group Symbol	Typical Names
Coarse-Grained Soils (Less than 50% Passing the #200 Sieve)	Gravels	Clean Gravels	GW	Well graded gravels, gravel-sand mixture
			GP	Poorly graded gravels, gravel-sand mixture
		Limits plot below "A" line on plasticity chart	GM	Silty gravels, gravel-sand-silt mixture
	Sands	Limits plot above "A" line on plasticity chart	GC	Clayey gravels, gravel-sand-clay mixture
		Clean Sands	SW	Well graded sands, gravelly sands
			SP	Poorly graded sands, gravelly sands
Fine-Grained Soils (50% or More Passing #200 Sieve)	Silt	Silts of low plasticity (LL<50)	ML	Inorganic silts, clayey silts
		Silts of high plasticity (LL≥50)	MH	Inorganic silts, elastic silts
	Clays	Clays of low plasticity (LL<50)	CL	Inorganic lean clays, sandy and silty clays
		Clays of high plasticity (LL≥50)	CH	Inorganic fat clays, sandy clays
	Organic Silts and Clays	Organic silts and clays of low plasticity (LL<50)	OL	Organic silts and lean clays
		Organic silts and clays of high plasticity (LL≥50)	OH	Organic silts and fat clays
	Organic Soils		PT	Peat

* Table per Unified Soil Classification System (USCS)

BORING LOG LEGEND AND NOMENCLATURE

SECONDARY SOIL CONSTITUENT RELATIVE COMPOSITION

If Primary Soil Constituent is	Clay or Silt		Sand or Gravel	
	Trace	0-5%	Trace	0-5%
	Few	6-15%	With	6-12%
	With	>15%	Silty/Clayey/Gravelly/Sandy	>12%
	Sandy/Gravelly	>30%		

Stratigraphic Breaks may be observed or interpreted and are indicated by a dashed line (inferred) or solid line (observed). Transition between described materials may be gradual.

Laboratory Test Results

- Natural moisture content (ASTM D 2216) in percent.
- Dry density in pounds per cubic foot (pcf).
- Hand penetrometer value of apparently intact cohesive sample in kips per square foot (ksf).
- Unconfined compressive strength (ASTM D 2166) in ksf.
- Liquid and Plastic Limits (ASTM D 4318) in percent.

Rock Quality Designation (RQD) is the ratio between the total length of core segments 4 inches or more and the total length of core drilled. RQD indicates in-situ rock quality as follows:

Excellent	90 - 100%
Good	75 - 90%
Fair	50 - 75%
Poor	25 - 50%
Very Poor	0 - 25%

USER NAME = Jason.dreyer	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE = 0:2,0000 " = 1 in.	DRAWN -	REVISED -
PLOT DATE = 6/19/2025	CHECKED -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9170	16-00333-17-PW	ST. CLAIR	174	100
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				