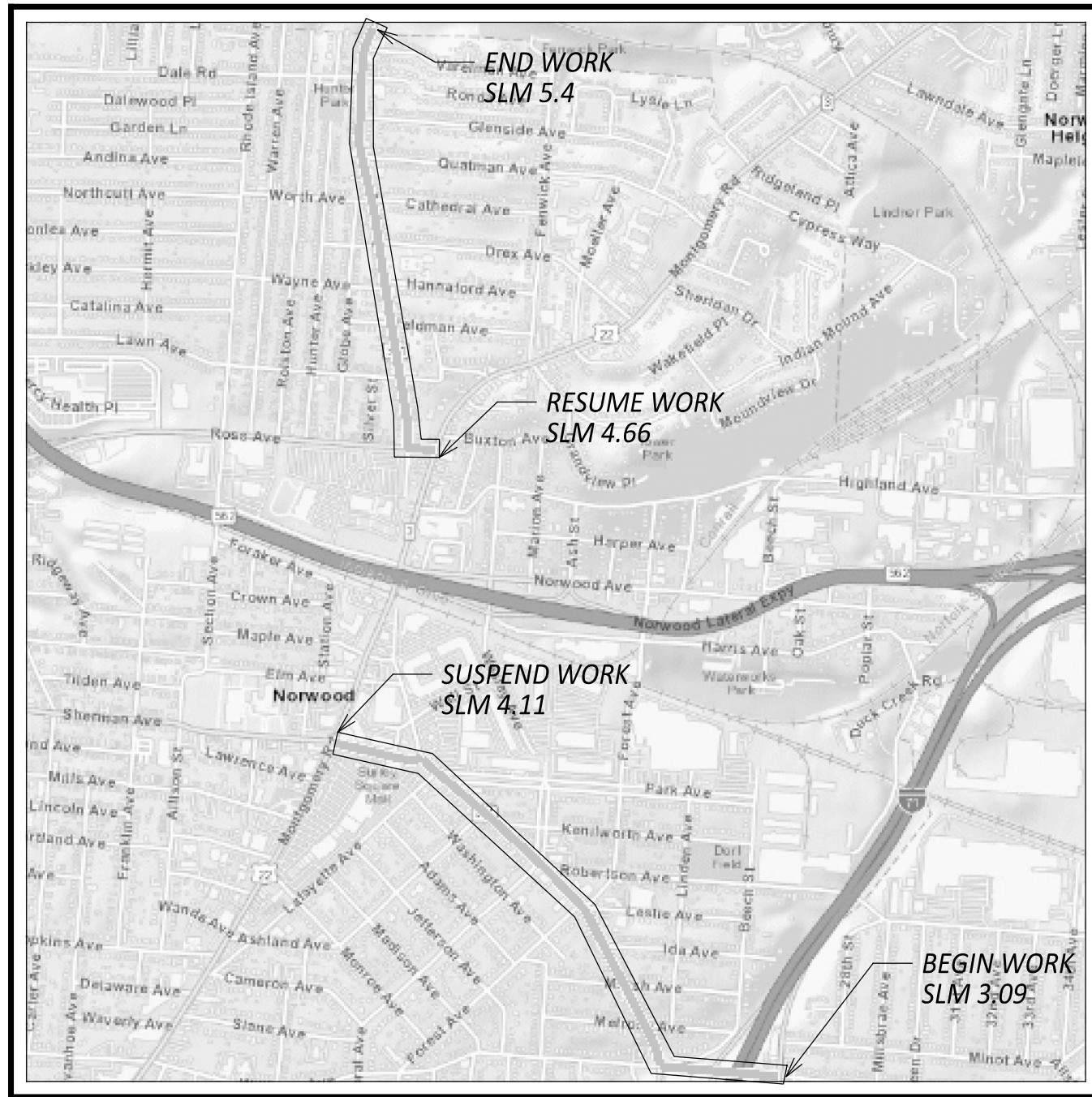


STATE OF OHIO DEPARTMENT OF TRANSPORTATION

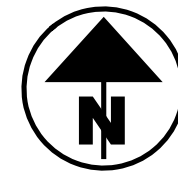
HAM SR 561 3.09

CITY OF NORWOOD
HAMILTON COUNTY



LOCATION MAP

LATITUDE: 39°09'08" LONGITUDE: -84°26'32"



PORTION TO BE IMPROVED	=====
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	=====
STATE ROUTES	=====
COUNTY & TOWNSHIP ROADS	=====
OTHER ROADS	=====

DESIGN DESIGNATION

CURRENT ADT (2024)	7789
DESIGN YEAR ADT (2036)	8256
DESIGN HOURLY VOLUME (2036)	743
DIRECTIONAL DISTRIBUTION	52
TRUCKS (24 HOUR B&C)	2%
DESIGN SPEED	35
LEGAL SPEED	25
DESIGN FUNCTIONAL CLASSIFICATION:	
URBAN MINOR ARTERIAL, URBAN MAJOR COLLECTOR	
NHS PROJECT	NO

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

ENGINEER'S SEAL
TRAFFIC CONTROL

PLAN PREPARED BY:
TEC ENGINEERING, INC.
7288 CENTRAL PARKE BLVD
MASON, OHIO 45040

INDEX OF SHEETS:

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STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/21/22	TC-65.10	1/17/14	800-2023 SEE PROPOSAL	
BP-4.1	7/19/13	TC-65.11	7/15/22	821 4/20/12	
BP-5.1	7/15/22	TC-71.10	7/15/22	832 7/15/22	
BP-7.1	1/20/23	TC-74.10	1/20/23	905 4/17/20	
		TC-82.10	7/19/19	1136 4/21/23	
RM-1.1	1/20/23				
MT-95.31	7/19/19				
MT-95.32	4/19/19				
MT-95.50	7/21/17				
MT-95.60	4/19/19				
MT-97.10	4/19/19				
MT-99.20	4/19/19				
MT-101.90	7/17/20				
MT-105.10	1/17/20				
MT-110.10	7/19/13				

FEDERAL PROJECT NUMBER

E230(421)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

FY2024 URBAN PAVING PROJECT IN THE CITY OF NORWOOD ON A PORTION OF SR 561.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	.5 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	0 ACRES

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

DISTRICT DEPUTY DIRECTOR

Tammy K. Campbell
Tammy K. Campbell, P.E.
08

DIRECTOR, DEPARTMENT OF TRANSPORTATION

John M. ...

HAM-561-3.09

MODEL: TITLE SHEET PAPER SIZE: 34x22 (in.) DATE: 9/21/2023 TIME: 2:30:22 PM USER: dosborn \\10.1.14\projects\2023\Projects\2039_JMA\Consultants\006_Urban Paving - SR 561 Norwood\115752400-Engineering\Roadway\Sheets\115752_G1001.dgn

TITLE SHEET

DESIGN AGENCY
TEC Engineering, Inc.
TEC ENGINEERING, INC.
PLAN PREPARED BY:
TEC ENGINEERING, INC.
7288 CENTRAL PARKE BLVD.
MASON, OH 45040

DESIGNER
AFS

REVIEWER
DGO 4-10-2023

PROJECT ID
115752

SHEET TOTAL
1 | 42

SURVEY PARAMETERS

THE TOPOGRAPHIC AND/OR BOUNDARY SURVEY INFORMATION CONTAINED IN THESE PLANS WAS PROVIDED BY TEC ENGINEERING, INC. THE HORIZONTAL COORDINATES ARE BASED ON STATE PLANE COORDINATES SYSTEM, OHIO SOUTH ZONE NAD93 (86). THE VERTICAL DATUM IS NGVD29.

UTILITIES

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT:

STORM SEWER:
CLINT ZIMMERMAN
NORWOOD PUBLIC WORKS DEPARTMENT
3001 HARRIS AVENUE
NORWOOD, OH 45212
(513) 458-4615

SANITARY SEWER:
METROPOLITAN SEWER DISTRICT
1600 GEST STREET
CINCINNATI, OHIO 45204
(513) 244-1355

TELEPHONE:
CINCINNATI BELL INC.
201 E. FOURTH STREET
CINCINNATI, OHIO 45202
(513) 344-7043

GAS & ELECTRIC
DUKE ENERGY
139 E. FOURTH STREET
CINCINNATI, OHIO 45202
E:MATTHEW.RIES@DUKE-ENERGY.COM
G: (513) 287-3636

WATERLINES
CLINT ZIMMERMAN
NORWOOD PUBLIC WORKS DEPARTMENT
3001 HARRIS AVENUE
NORWOOD, OH 45212
(513) 458-4615

CABLE:
SPECTRUM COMMUNICATIONS
11252 CORNELL PARK DR.
CINCINNATI, OHIO 45242
(513) 489-5001

EXISTING FACILITIES

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM HIS WORK IN SUCH A MANNER AS NOT TO DAMAGE OR DESTROY ANY EXISTING FACILITY. SPECIAL CARE SHALL BE GIVEN WHEN EXCAVATING CURB RAMPS. UNDERGROUND ELECTRIC FACILITIES HAVE BEEN FOUND TO BE BURIED AT SHALLOW DEPTHS IN THE SIDEWALK. IF ANY DAMAGE TO ANY EXISTING FACILITY OCCURS DUE TO CONTRACTOR'S OPERATIONS HE SHALL REPLACE THE DAMAGED FACILITY AT HIS EXPENSE AND TO THE SATISFACTION OF THE ENGINEER.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY CONTROL DEVICES REQUIRED BY THESE PLANS SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK LISTED IN THE GENERAL SUMMARY FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE ENGINEER'S DIRECTION SHALL BE MADE A MATTER OF RECORD BU INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THE PROJECT.

PROFILE AND ALIGNMENT

THE CENTERLINE OF SR 561 IS ASSUMED THE CENTERLINE OF ROADWAY AND IS USED FOR REFERENCE ONLY. PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING SR 561 PAVEMENT.

PERMANENT PAVEMENT MARKINGS

THE CONTRACTOR SHALL REFERENCE ALL PAVEMENT MARKINGS INCLUDING AUXILIARY PAVEMENT MARKINGS BEFORE THE START OF THE PLANING OPERATION. IN GENERAL FINAL PAVEMENT MARKINGS MATCH THE EXISTING MARKINGS BUT THE CONTRACTOR SHALL REFERENCE THE TRAFFIC CONTROL PLANS FOR FINAL PLACEMENT. PAY FOR THIS OPERATION SHALL BE INCLUDED WITH EACH RESPECTIVE PAVEMENT MARKING ITEM.

CATCH BASINS, MANHOLES, AND VALVES

CATCH BASINS, MANHOLES AND VALVES ARE LOCATED THROUGHOUT THE PROJECT AREA. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FEATHER THE ASPHALT CONCRETE TO ALL CATCH BASINS, MANHOLES AND VALVES. THE CONTRACTOR SHALL IMMEDIATELY CLEAN THE TOP OF THE CATCH BASINS, MANHOLES AND VALVES AS SOON AS THE PAVEMENT HAS PASSED OVER.

MANHOLES AND VALVES ADJUSTED TO GRADE (PRIVATELY OWNED)

ALL MANHOLES AND VALVES ENCOUNTERED IN AREAS THAT REQUIRE GRADE ADJUSTMENTS WILL BE PERFORMED PRIOR TO THE APPLICATION OF THE SURFACE COURSE BY THE UTILITY OWNER. CONTACT THE UTILITY OWNER 2 WEEKS PRIOR TO WHEN THE ADJUSTMENTS ARE TO BE COMPLETED. THE CONTRACTOR SHALL VERIFY THE COVER ON ANY UTILITY MANHOLE ROOFS DURING FULL DEPTH PAVEMENT REPAIR.

ITEM 611 - MANHOLE ADJUSTED TO GRADE

THIS WORK SHALL CONSIST OF ADJUSTING MAHOLES TO GRADE PRIOR TO THE APPLICATION OF THE SURFACE COURSE AS DIRECTED BY THE ENGINEER. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 611 - MANHOLE ADJUSTED TO GRADE 143 EACH

ITEM 611 - CATCH BASIN ADJUSTED TO GRADE

THIS WORK SHALL CONSIST OF ADJUSTING CATCH BASINS TO GRADE PRIOR TO THE APPLICATION OF THE SURFACE COURSE AS DIRECTED BY THE ENGINEER. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 611 - CATCH BASIN ADJUSTED TO GRADE 50 EACH

ITEM 611 - VALVE BOX ADJUSTED TO GRADE

THIS WORK SHALL CONSIST OF ADJUSTING VALVE BOXES TO GRADE PRIOR TO THE APPLICATION OF THE SURFACE COURSE AS DIRECTED BY THE ENGINEER. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 611 - VALVE BOX ADJUSTED TO GRADE 83 EACH

ITEM 625 - PULL BOX MISC.: PULL BOX ADJUSTED TO GRADE

THIS WORK SHALL CONFORM TO ALL REQUIREMENTS OF C&MS SECTION 625. SIGNAL PULL BOX SHALL BE ADJUSTED TO GRADE IN ORDER TO MEET ADA REQUIREMENTS IN THE CURB RAMP AREA. THIS PAY ITEM SHALL INCLUDE ALL RESTORATION IN THE IMMEDIATE SURROUNDING AREA. CONTRACTOR SHALL NOT DISTURB CABLES INSIDE THE PULL BOX. ANY DAMAGE TO SIGNAL CABLE INSIDE THE PULL BOX SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

DETECTOR LOOP, AS PER PLAN

PRIOR TO THE PLANING OPERATION, THE LOCATIONS OF THE EXISTING LOOP DETECTORS SHALL BE REFERENCED SO THAT THE REPLACEMENT LOOP CAN BE REINSTALLED AT THE PROPER LOCATION. THE NEW LOOP DETECTORS SHALL BE CONNECTED TO THE LEAD-IN CABLE WITH THE PROPER CONNECT KITS AND TESTED TO MAKE CERTAIN THAT THEY ARE OPERATIONAL. IN A FEW SITUATIONS, THE LOOP DETECTOR LOCATIONS MAY NEED TO BE MODIFIED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND CITY OF NORWOOD A MINIMUM OF 3 DAYS IN ADVANCE OF ANY LOOP DETECTOR INSTALLATIONS TO PERMIT TIME FOR LOOP LOCATION ADJUSTMENTS IF NEEDED.

ASPHALT RESURFACING

THE CONTRACTOR SHALL TAKE SPECIAL CARE DURING THE RESURFACING OPERATION TO IMMEDIATELY REMOVE ASPHALT MATERIAL THAT ACCUMULATES ON THE TOP OF THE EXISTING GAS VALVES AND ELECTRIC BOXES TO PREVENT DEFACING AND BONDING OF THE COVERS.

ITEM 254, PAVEMENT PLANING ASPHALT CONCRETE

THE PAVEMENT PLANING SHALL BE SCHEDULED SO AS TO BE COVERED BY THE INTERMEDIATE COURSE BEFORE REOPENING THE LANE TO TRAFFIC. THE COST OF THE ABOVE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RESPECTIVE ITEM. A DISINCENTIVE IN THE AMOUNT OF \$1,000.00 SHALL BE ASSESSED FOR EACH DAY, OR PORTION THEREOF, A PLANED SURFACE IS OPEN TO TRAFFIC BEYOND THE SPECIFIED TIME LIMIT.

IN AREAS WHERE A CONCRETE BASE IS ENCOUNTERED DURING PLANING OPERATIONS, THE CONTRACTOR SHALL NOT MILL INTO THE CONCRETE. THE CONCRETE BASE SHALL BE SCARIFIED, BUT NO MATERIAL SHALL BE MILLED.

WHERE A PAVEMENT OR COBBLESTONE BASE IS ENCOUNTERED, THE CONTRACTOR SHALL MODIFY THE PLANING DEPTH SO THAT THE PAVERS ARE NOT DISTURBED DURING THE OPERATION.

ITEM 253 - PAVEMENT REPAIR

A QUANTITY OF THIS ITEM SHALL BE PROVIDED FOR USE AS DIRECTED BY THE ENGINEER. THIS ITEM SHALL CONSIST OF CUTTING AND REMOVING DETERIORATED PAVEMENT FULL DEPTH AND PLACING 12" 301 ASPHALT CONCRETE BASE, PG 64-22. THE MAXIMUM COMPACTED DEPTH OF ANY ONE LAYER SHALL BE 6", AND 4" - 304 AGGREGATE BASE UNLESS OTHERWISE DIRECTED BY THE ENGINEER, THIS ITEM SHALL BE PERFORMED BEFORE THE BEGINNING OF MAINLINE PAVEMENT PLANING. IT IS NOT THE INTENT TO REPAIR EVERY DETERIORATION AREA WITHIN THE PROJECT. THE ENGINEER SHALL DETERMINE WHICH AREAS ARE TO BE REPAIRED. PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER OF CUBIC YARDS OF PAVEMENT REMOVED AND REPLACED TO THE LIMITS DESIGNATED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 253 - PAVEMENT REPAIR 1,075 CU YD

ITEM 255 FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC1, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF SECTION 255 IN THE ODOT C&MS, THIS ITEM INCLUDES REMOVAL OF PCC PAVEMENT AT LOCATIONS INDICATED IN THE PLANS. THIS ITEM INCLUDES THE FULL DEPTH REMOVAL OF EXISTING PCC PAVEMENT AND THE REPLACEMENT WITH A CONCRETE COURSE AS APPROVED BY THE ENGINEER. RIGID PAVEMENT SHALL BE REPLACED PER STANDARD CONSTRUCTION DRAWING BP-2.5. PAYMENT SHALL BE BASED ON THE ACTUAL NUMBER SQUARE YARDS OF PAVEMENT REMOVED AND REPLACED TO THE LIMITS DESIGNATED BY THE ENGINEER. PAYMENT FOR THIS ITEM INCLUDES ALL LABOR AND MATERIALS REQUIRED TO COMPLETE THE FULL DEPTH REPLACEMENT/REPAIR. SAW CUTTING EXISTING PAVEMENT IS TO BE INCLUDED IN THE COST OF THIS ITEM.

ITEM 608, 5" CONCRETE WALK

100 SF HAS BEEN CARRIED TO THE GENERAL SUMMARY AS A CONTINGENCY QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER.

ITEM 609, CURB TYPE 6

20' HAS BEEN CARRIED TO THE GENERAL SUMMARY AS A CONTINGENCY QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER.

ADA WAIVER

AN APPROVED ADA DESIGN WAIVER IS REQUIRED ON THIS PROJECT. THE FOLLOWING FEATURES LISTED BELOW CANNOT FEASIBLY BE CONSTRUCTED TO MEET ADA GUIDELINES.

ADA FEATURE	ADA DESIGN WAIVER APPROVAL DATE	SHEET NUMBER
RAMP 10 (RMP0014637)	2/23/2023	35
RAMP 25 (RMP0017774)	PENDING	36
RAMP 58 (RMP0014635)	2/23/2023	38
RAMP 59 (RMP0014639)	2/23/2023	38
RAMP 63 (RMP0014634)	2/23/2023	38
RAMP 65 (RMP0014636)	2/23/2023	38
RAMP 73 (RMPPENDING)	2/23/2023	39
RAMP 75 (RMPPENDING)	PENDING	40
RAMP 77 (RMPPENDING)	PENDING	40
RAMP 78 (RMPPENDING)	PENDING	40
RAMP 84 (RMPPENDING)	PENDING	41
RAMP 90 (RMPPENDING)	PENDING	41
RAMP 93 (RMP0014638)	2/23/2023	42
RAMP 94 (RMP0014638)	2/23/2023	42

SOLE SOURCE AQUIFER PROTECTION

THIS PROJECT IS LOCATED WITHIN THE GREATER MIAMI SOLE SOURCE AQUIFER. USE PROPER CONTAINMENT AND DIKING IN REFUELING AREAS. DO NOT STORE FUELS, TOXIC/HAZARDOUS MATERIALS, AND CHEMICALS NEAR DRAINAGE WAYS, DITCHES, OR STREAMS. MAINTAIN A SPILL KIT ON-SITE THROUGHOUT CONSTRUCTION ACTIVITIES. IMMEDIATELY MITIGATE ANY EVENT, SUCH AS A SPILL OF FUELS, OILS, OR CHEMICALS THAT COULD THREATEN TO CONTAMINATE THE DRINKING WATER SUPPLY. REPORT ALL SPILLS OR EVENTS TO THE HAMILTON COUNTY EMERGENCY DEPARTMENT AT 513-263-8200. IF THE SPILL IS A REPORTABLE AMOUNT (PER OHIO EPA'S RELEASE REPORTING REQUIREMENTS), CONTACT THE CINCINNATI FIRE DEPARTMENT STATION 31 - OAKLEY AT 513-352-2344 OR THE OHIO EPA'S SPILLS HOTLINE 1-800-282-9378 FOR THE CLEAN-UP OF THE SPILL.

ITEM 614- MAINTAINING TRAFFIC

THE PROPOSED WORK SHALL BE PERFORMED WITH THE LEAST INCONVENIENCE TO, AND THE MAXIMUM SAFETY OF THE TRAVELING PUBLIC AND WORKERS. ANY VARIANCES FROM THE PERMITTED REQUIREMENTS MUST BE APPROVED IN ADVANCE, IN WRITING, BY THE CITY. EXCEPT AS MODIFIED BELOW, THE REQUIREMENT FOR MAINTAINING TRAFFIC AS INDICATED IN THE "OHIO MANUAL OHIO MANUAL OF UNIFORM TRAFFIC CONTROL SHALL APPLY. IN ADDITION TO ITEM 614, MAINTAINING TRAFFIC, AS SET FORTH IN THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE WORK CARRIED OUT WITHIN THE LIMITS OF THE PROJECT:

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES WHEN WORKERS ARE PRESENT. ALL LANES SHALL BE OPEN TO TRAFFIC WHEN NO WORKERS ARE PRESENT. TRAFFIC IS NOT PERMITTED TO RUN ON A MILLED SURFACE. NO WORK IS PERMITTED BETWEEN THE HOURS OF 9PM AND 7AM.

"THE CONTRACTOR IS CONTRACTUALLY REQUIRED TO COORDINATE WORK WITH PID 102886 / 230351 PER C&MS 105.08".

THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SEQUENCING SCHEDULE PRIOR TO WORK BEGINNING FOR APPROVAL BY THE CITY ENGINEER. THE CONSTRUCTION SEQUENCING SCHEDULE SHALL TAKE INTO CONSIDERATION ALL ASPECTS OF THE PROJECT INCLUDING HOW LOCAL TRAFFIC TO THE BUSINESSES WILL BE MAINTAINED. THE CONSTRUCTION SEQUENCE WILL NEED TO BE APPROVED BY THE ENGINEER BEFORE THE COMMENCEMENT OF WORK.

ACCESS TO AND FROM ALL LOCAL RESIDENTIAL AND BUSINESS DRIVES WITHIN THE LIMITS OF THIS PROJECT SHALL BE MAINTAINED AT ALL TIMES BY USING THE EXISTING PAVEMENT, TEMPORARY PAVEMENT, AND THE PROPOSED PAVEMENT, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF MAINTENANCE OF TRAFFIC SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

THE CONTRACTOR SHALL ADJUST THE LOCATION AND/OR SPACING OF ALL TRAFFIC CONTROL CHANNELIZING DEVICES AS DICTATED BY THE PROGRESS OF THE REQUIRED WORK TO ALLOW CONSTRUCTION ACCESS TO WORK AREAS WHILE MAINTAINING SAFE AND EFFECTIVE TRAFFIC CONTROL DURING ALL CONSTRUCTION OPERATIONS. ANY DAMAGE TO MAINTENANCE OF TRAFFIC EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE OR CORRECT.

THE ROADWAY SHALL NOT BE RESTRICTED TO ANY LANE CLOSURE DURING PERIODS OF INTERMITTENT OR IRREGULAR WORK, NOR CLOSED SOLELY FOR THE CONVENIENCE OF THE CONTRACTOR.

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

- MEMORIAL DAY- ALL LANES OPEN: 12:00N FRI. THROUGH 6:00 AM TUES.
- FOURTH OF JULY - ALL LANES OPEN: 12:00N FRI. THROUGH 6:00AM TUES
- LABOR DAY - ALL LANES OPEN: 12:00N FRI. THROUGH 6:00AM TUES
- TOTAL SOLAR ECLIPSE (4/8/24) - ALL LANES OPEN: 12:00N MON. THROUGH 6:00AM TUES.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

ITEM 614 LAW ENFORCEMENT OFFICER (WITH PATROL CAR)

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF CMS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

-DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

-DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

SHEET NUM.										PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
4	8	20	21	22	23					01/S>2/082/S<2/05/NRWD	EXT	TOTAL				
															ROADWAY	
	1,724									1,724	202	30000	1,724	SF	WALK REMOVED	
	282									282	202	32000	282	FT	CURB REMOVED	
100	751									851	608	12000	851	SF	5" CONCRETE WALK	4
	985									985	608	52000	985	SF	CURB RAMP	
										LS	SPECIAL	69098400	LS		SPECIAL - CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION	5
															EROSION CONTROL	
										1,000	832	30000	1,000	EACH	EROSION CONTROL	
															DRAINAGE	
50										50	611	98630	50	EACH	CATCH BASIN ADJUSTED TO GRADE	4
143										143	611	99654	143	EACH	MANHOLE ADJUSTED TO GRADE	4
															PAVEMENT	
1,075										1,075	253	02000	1,075	CY	PAVEMENT REPAIR	4
	53									53	253	02001	53	CY	PAVEMENT REPAIR, AS PER PLAN	3
	50,466									50,466	254	01000	50,466	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3"	
	12									12	255	10010	12	SY	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC1	4
	67									67	255	20000	67	FT	FULL DEPTH PAVEMENT SAWING	
	5,804									5,804	407	20000	5,804	GAL	NON-TRACKING TACK COAT	
	336									336	442	20000	336	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), PG76-22	
	1,766									1,766	442	20050	1,766	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE B (448), PG70-22	
	2,102									2,102	442	20100	2,102	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 9.5 MM, TYPE A (448), PG64-28	
20	95									115	609	26000	115	FT	CURB, TYPE 6	4
															WATER WORK	
83										83	638	10800	83	EACH	VALVE BOX ADJUSTED TO GRADE	4
															TRAFFIC CONTROL	
			124							124	621	54000	124	EACH	RAISED PAVEMENT MARKER REMOVED	
			124							124	621	00100	124	EACH	RPM	
				54						54	642	00630	54	FT	CROSSWALK LINE, 24", TYPE 1	
			1.01							1.01	644	00200	1.01	MILE	LANE LINE, 4"	
			1.3							1.3	644	00300	1.3	MILE	CENTER LINE	
			2,492							2,492	644	00400	2,492	FT	CHANNELIZING LINE, 8"	
					562					562	644	00500	562	FT	STOP LINE	
				54						54	644	00620	54	FT	CROSSWALK LINE, 12"	
					3,555					3,555	644	00630	3,555	FT	CROSSWALK LINE, 24"	
						445				445	644	00700	445	FT	TRANSVERSE/DIAGONAL LINE	
						4				4	644	01120	4	EACH	SCHOOL SYMBOL MARKING, 120"	
						45				45	644	01200	45	FT	PARKING LOT STALL MARKING, 4"	
				52						52	644	01300	52	EACH	LANE ARROW	
			4							4	644	01400	4	EACH	WORD ON PAVEMENT, 72"	
			1,143							1,143	644	01500	1,143	FT	DOTTED LINE, 4"	
			649							649	644	01514	649	FT	DOTTED LINE, 8"	
						110				110	644	00900	110	SF	ISLAND MARKING	
			0.06							0.06	646	10100	0.06	MILE	LANE LINE, 4"	
			0.06							0.06	646	10200	0.06	MILE	CENTER LINE	
			201							201	646	10300	201	FT	CHANNELIZING LINE, 8"	
				2						2	646	20300	2	EACH	LANE ARROW	
										215	646	20506	215	FT	DOTTED LINE, 8"	

GENERAL SUMMARY

DESIGN AGENCY
TEC Engineering, Inc.
 PLAN PREPARED BY:
 TEC Engineering, Inc.
 7288 Central Park Blvd.
 Mason, OH 45040

DESIGNER
 AFS


REVIEWER
 DGO 9-21-2023

PROJECT ID
 115752

SHEET TOTAL
 6 42

SHEET NUM.							PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
4	8	20	21	22	23	01/S> 2/05	02/S< 2/05/NRWD								
	3						3		625	31600	3	EACH	TRAFFIC SIGNALS PULL BOX, MISC.: PULL BOX ADJUSTED TO GRADE	4	
					15		15		632	26501	15	EACH	DETECTOR LOOP, AS PER PLAN	4	
					15		15		632	27200	15	EACH	LOOP DETECTOR TIE IN		
							300		614	11110	300	HOUR	MAINTENANCE OF TRAFFIC LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	5	
							2.05		614	20100	2.05	MILE	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	5	
							1.01		614	20550	1.01	MILE	WORK ZONE LANE LINE, CLASS III, 4", 642 PAINT	5	
							3		614	21100	3	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	5	
							1.3		614	21550	1.3	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	5	
							5,487		614	23200	5,487	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	5	
							2,694		614	23680	2,694	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT	5	
							2,286		614	24200	2,286	FT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT	5	
							1,298		614	24204	1,298	FT	WORK ZONE DOTTED LINE, CLASS I, 8", 642 PAINT	5	
							1,143		614	24610	1,143	FT	WORK ZONE DOTTED LINE, CLASS III, 4", 642 PAINT	5	
							649		614	24614	649	FT	WORK ZONE DOTTED LINE, CLASS III, 8", 642 PAINT	5	
							1,184		614	26200	1,184	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	5	
							562		614	26610	562	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	5	
							108		614	27050	108	FT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT	5	
							7,175		614	27060	7,175	FT	WORK ZONE CROSSWALK LINE, CLASS I, 24", 642 PAINT		
							54		614	27250	54	FT	WORK ZONE CROSSWALK LINE, CLASS III, 12", 642 PAINT		
							3,555		614	27260	3,555	FT	WORK ZONE CROSSWALK LINE, CLASS III, 24", 642 PAINT		
							123		614	30200	123	EACH	WORK ZONE ARROW, CLASS I, 642 PAINT	5	
							60		614	30650	60	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT	5	
							9		614	31760	9	EACH	WORK ZONE SCHOOL SYMBOL MARKING, 120", CLASS I	5	
							4		614	31770	4	EACH	WORK ZONE SCHOOL SYMBOL MARKING, 120", CLASS III, 642 PAINT	5	
							LS		614	11000	LS		INCIDENTALS MAINTAINING TRAFFIC	4	
							LS		623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING		
							LS		624	10000	LS		MOBILIZATION		

GENERAL SUMMARY

DESIGN AGENCY

 TEC Engineering, Inc.
 PLAN PREPARED BY:
 TEC Engineering, Inc.
 7288 Central Parke Blvd.
 Mason, OH 45040

DESIGNER
 AFS

REVIEWER
 DGO 9-21-2023

PROJECT ID
 115752

SHEET TOTAL
 7 | 42

REF. NO.	SHEET NO.	LOCATION/STATION TO STATION	202		253	255		254	407		442			608		609	625
			WALK REMOVED SF	CURB REMOVED FT	PAVEMENT REPAIR, AS PER PLAN CY	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QCI, AS PER PLAN SY	FULL DEPTH PAVEMENT SAWING FT	PAVEMENT PLANING, ASPHALT CONCRETE, 3" SY	TACK COAT (.075 GAL/SY) GAL	TACK COAT (.04 GAL/SY) GAL	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), PG76-22 CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE B (448), PG70-22 CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 9.5 MM, TYPE A (448), PG64-28 CY	5" CONCRETE WALK SQ FT	CURB RAMP SQ FT	CURB, TYPE 6 FT	PULL BOX, MISC.: PULL BOX ADJUSTED TO GRADE EACH
	9	163+31 - 172+50						4011	301	160	167		167				
	10	172+50 - 175+00						2312	173	92	96		96				
	10	175+00 - 182+50						4189	314	168		175	175				
	11	182+50 - 192+50						5425	407	217		226	226				
	12	192+50 - 202+50						5078	381	203		212	212				
	13	202+50 - 212+50						6434	483	257		268	268				
	14	212+50 - 217+23						3669	275	147		153	153				
	15	245+76 - 248+50						1759	132	70	73	73	73				
	15	248+50 - 252+50						1800	135	72		75	75				
	16	252+50 - 262+50						4639	348	186		193	193				
	17	262+50 - 272+50						4877	366	195		203	203				
	18	272+50 - 282+50						4689	352	188		195	195				
	19	282+50 - 286+05						1584	119	63		66	66				
RAMP-38	37	SMITH ROAD & ROBERTSON AVENUE	237	30	7									95	142	13	
RAMP-39	37	SMITH ROAD & ROBERTSON AVENUE	216	34	8									119	79	20	1
RAMP-73	39	CARTHAGE AVENUE & FELDMAN AVENUE	162	15	3									80	82	7	
RAMP-74	40	CARTHAGE AVENUE & HANNAFORD AVENUE	141	19	4									55	85	7	1
RAMP-75	40	CARTHAGE AVENUE & WAYNE AVENUE															
RAMP-76	40	CARTHAGE AVENUE & WAYNE AVENUE	143	22	5									78	55	7	1
RAMP-77	40	CARTHAGE AVENUE & HANNAFORD AVENUE															
RAMP-78	40	CARTHAGE AVENUE & HANNAFORD AVENUE															
RAMP-83	41	CARTHAGE AVENUE & CATHEDRAL/WORTH AVENUE	84	18	4									44	40	6	
RAMP-84	41	CARTHAGE AVENUE & CATHEDRAL/WORTH AVENUE	32	9	2									37	32		
RAMP-85	41	CARTHAGE AVENUE & CATHEDRAL/WORTH AVENUE	79	13	3									55	79	3	
RAMP-86	41	CARTHAGE AVENUE & CATHEDRAL/WORTH AVENUE	96	20	5									46	65	5	
RAMP-87	41	CARTHAGE AVENUE & CATHEDRAL/WORTH AVENUE	110	13	3									50	60	4	
RAMP-88	41	CARTHAGE AVENUE & CATHEDRAL/WORTH AVENUE															
RAMP-90	41	CARTHAGE AVENUE & QUATMAN AVENUE	159	32	6									65	96	13	
RAMP-93	42	CARTHAGE AVENUE & DALE ROAD	78	19		5	32								78		
RAMP-94	42	CARTHAGE AVENUE & DALE ROAD	99	23		7	35							27	53		
TOTALS CARRIED TO GENERAL SUMMARY			1724	282	53	12	67	50466	3786	2018	336	1766	2102	751	985	95	3

ROADWAY SUBSUMMARY

DESIGN AGENCY

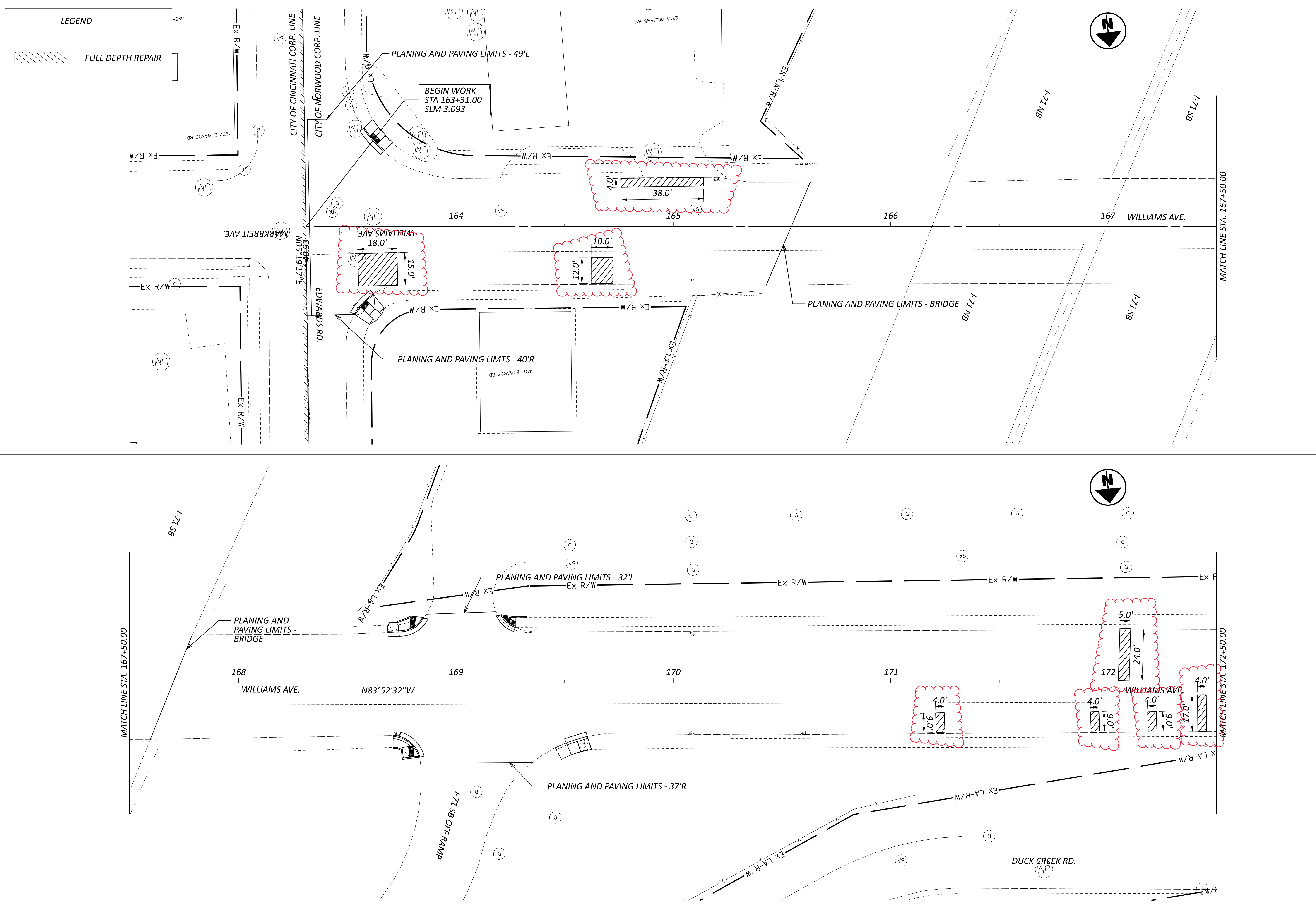
 TEC Engineering, Inc.
 7288 Central Park Blvd.
 Mason, OH 45040

DESIGNER
 EAS

REVIEWER
 DGO 9-21-2023

PROJECT ID
 115752

SHEET TOTAL
 8 42



LEGEND

FULL DEPTH REPAIR

HORIZONTAL SCALE IN FEET

0 20 40

RESURFACING PLAN
STA. 163+20.00 TO STA. 172+50.00

DESIGN AGENCY

TEC Engineering, Inc.
TEC Engineering, Inc.
10000 W. Main St.
Cincinnati, OH 45240

DESIGNER

VMG

REVIEWER

DGO 9-21-2023

PROJECT ID

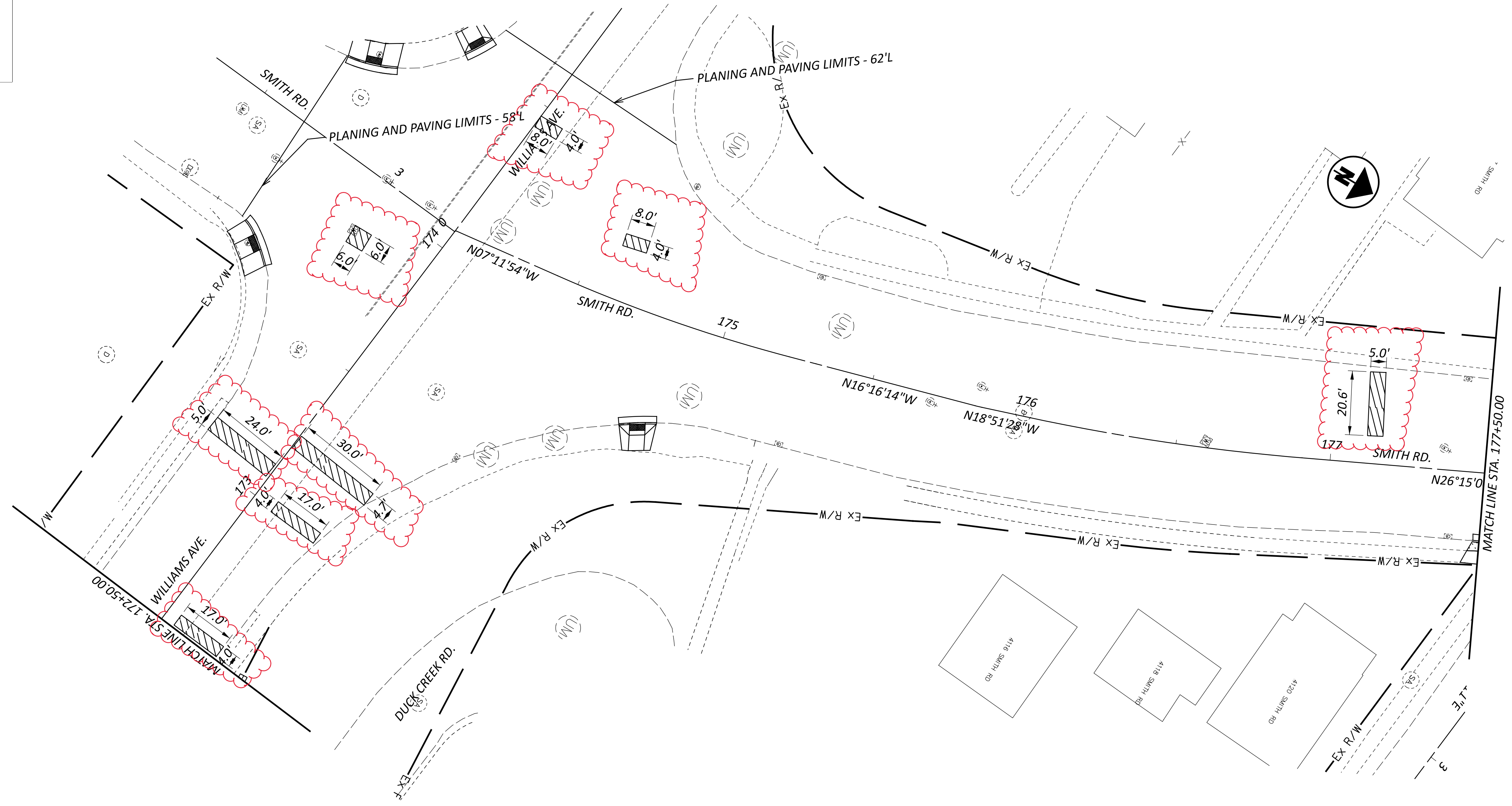
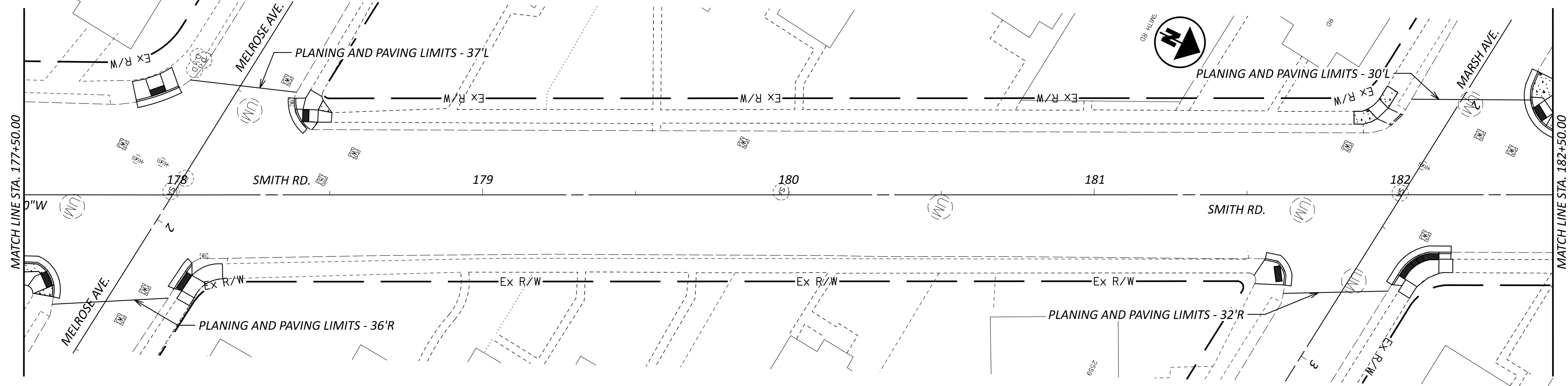
115752

SHEET TOTAL

9 42

LEGEND

 FULL DEPTH REPAIR



DESIGN AGENCY
 TEC Engineering, Inc.
 PLAN PREPARED BY:
 TEC Engineering, Inc.
 7288 Central Park Blvd.
 Mason, OH 45040

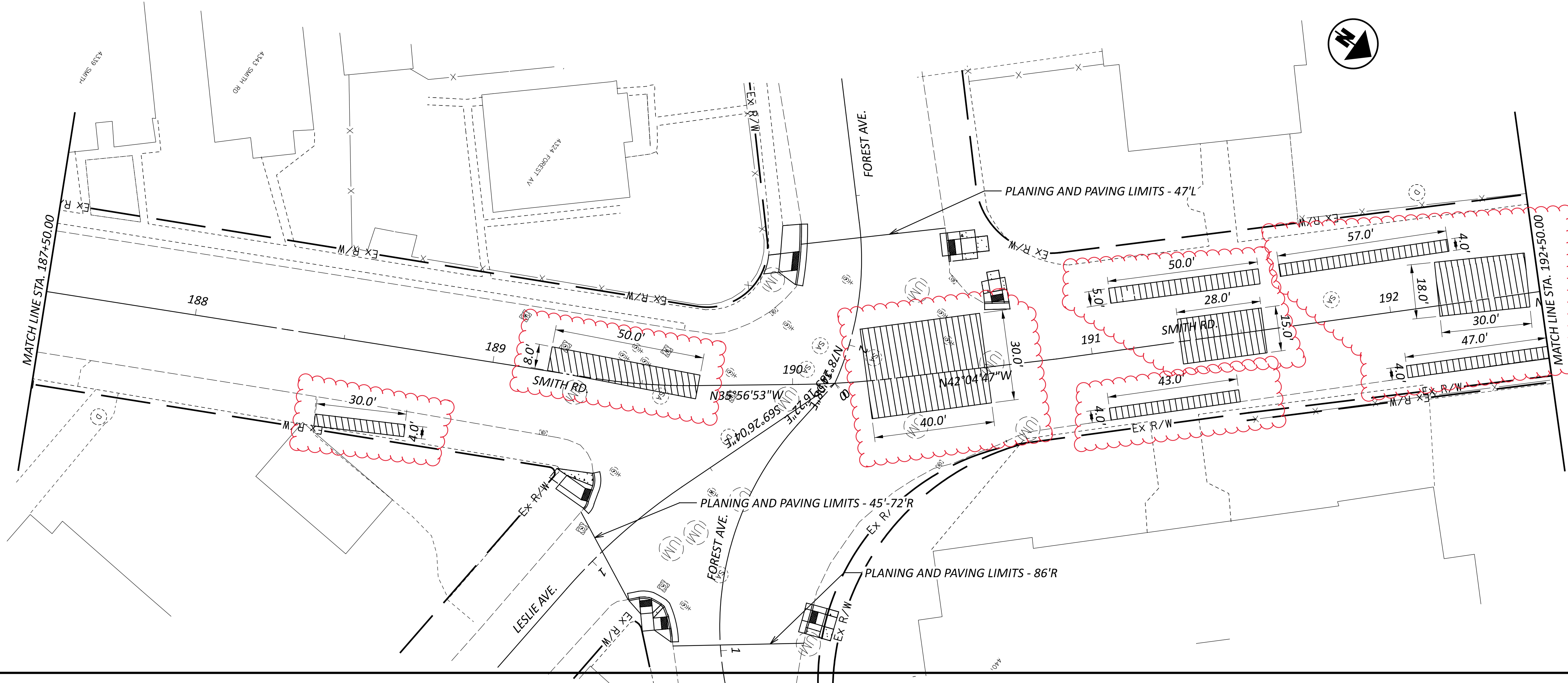
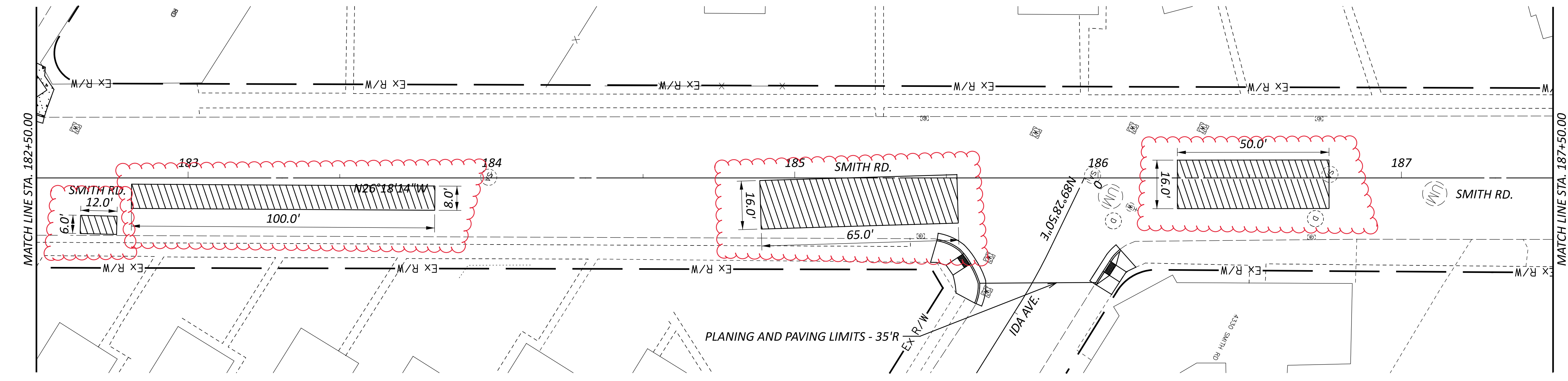
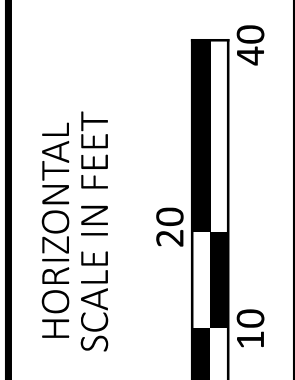
DESIGNER	VMG
REVIEWER	DGO
PROJECT ID	115752
SHEET	TOTAL
10	42

RESURFACING PLAN
 STA. 172+50.00 TO STA. 182+50.00



LEGEND

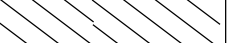
FULL DEPTH REPAIR



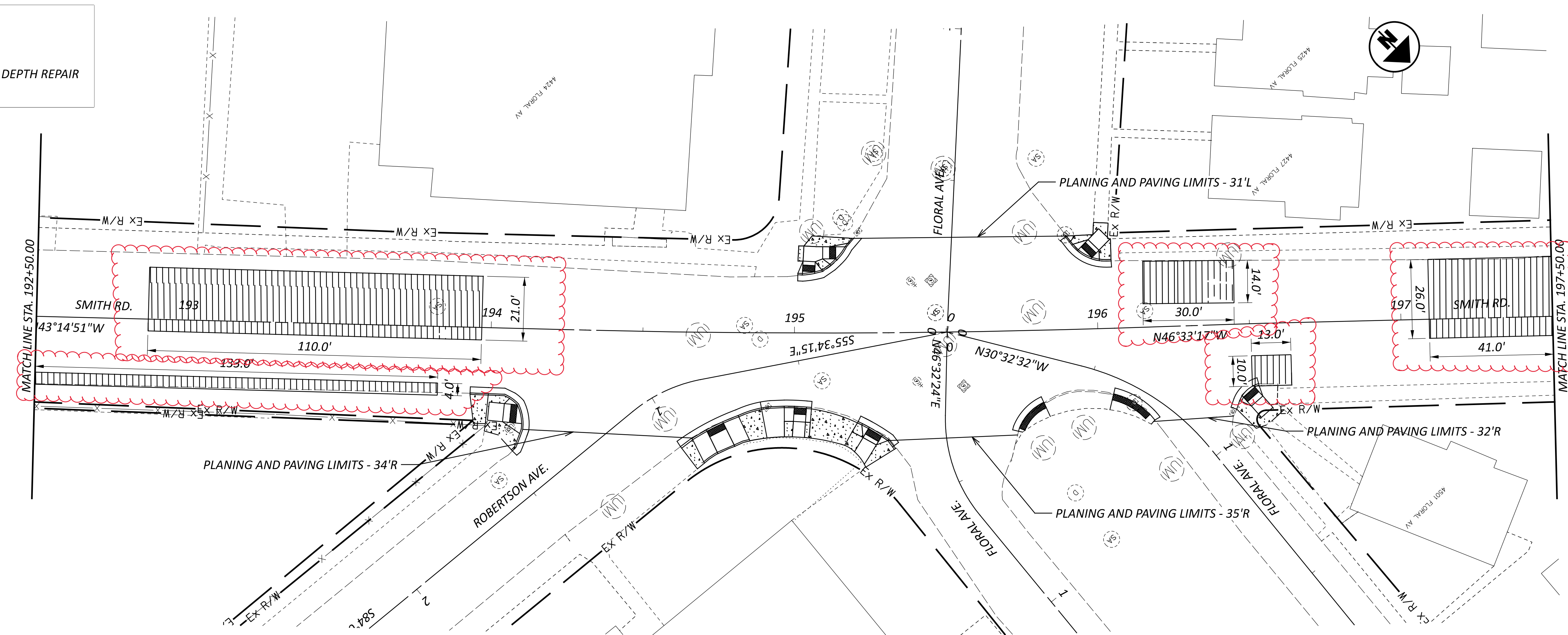
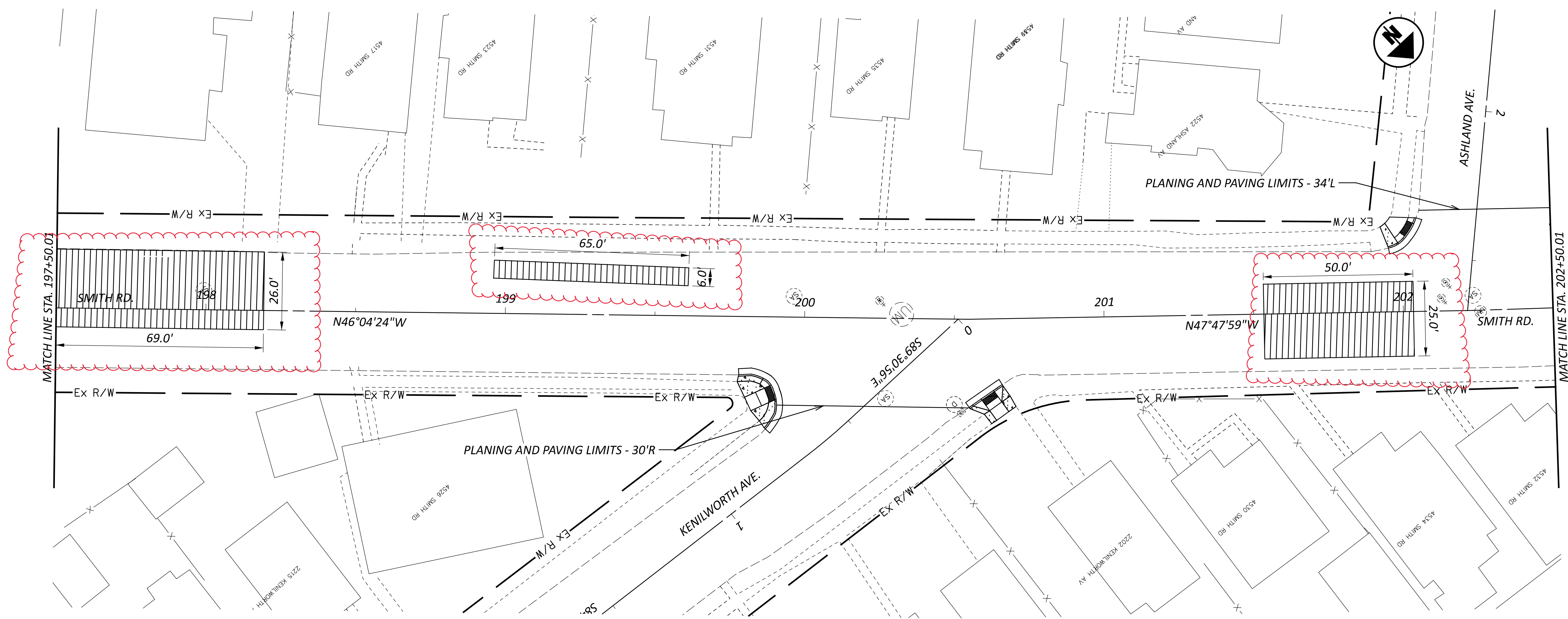
RESURFACING PLAN
STA. 182+50.00 TO STA. 192+50.00


DESIGN AGENCY	
TEC Engineering, Inc. TEC Engineering, Inc. 7288 Central Parke Blvd. Mason, OH 45040	
DESIGNER	
VMG	
REVIEWER	
DGO 9-21-2023	
PROJECT ID	
115752	
SHEET	TOTAL
11	42

LEGEND



FULL DEPTH REPAIR



DESIGN AGENCY

 TEC Engineering, Inc.
 7288 Central Park Blvd.
 Mason, OH 45040

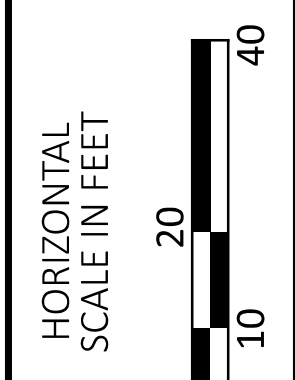
DESIGNER
 VMG

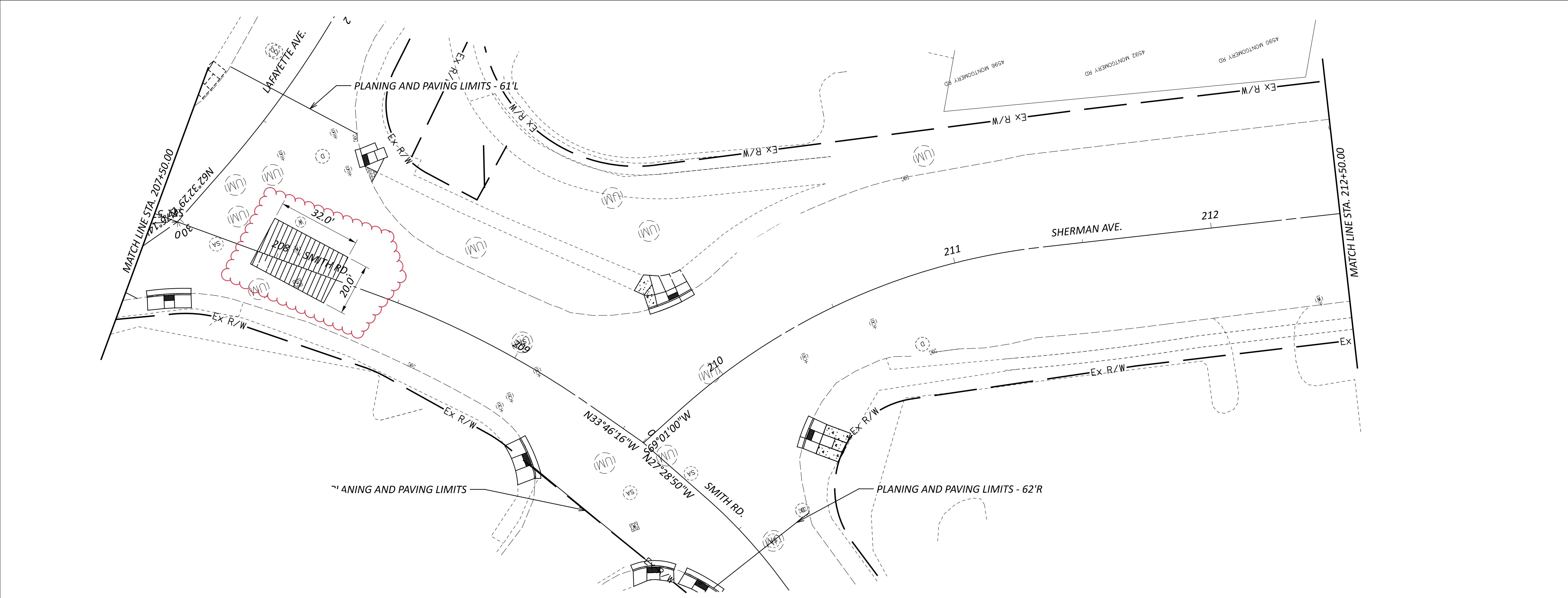
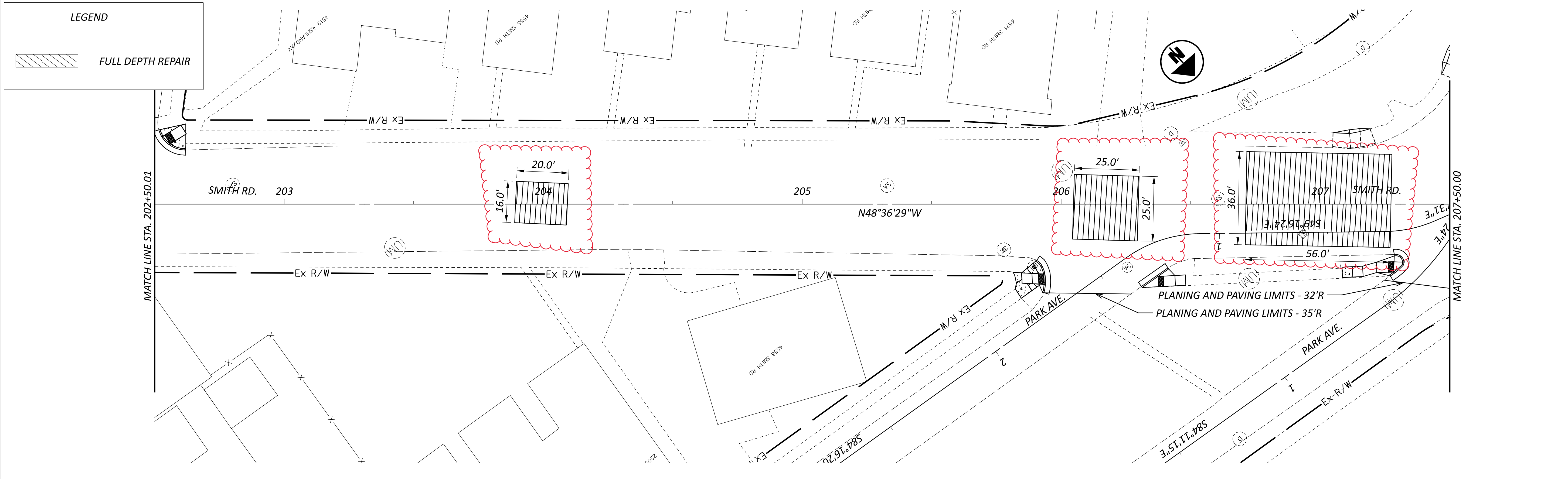
REVIEWER
 DGO 9-21-2023

PROJECT ID
 115752

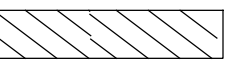
SHEET TOTAL
 12 42

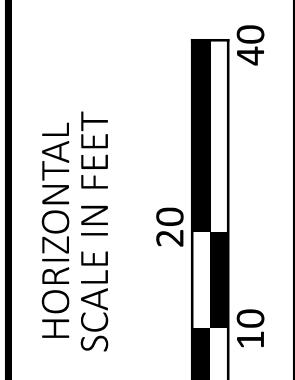
RESURFACING PLAN
STA. 192+50.00 TO STA. 202+50.00





LEGEND

 FULL DEPTH REPAIR

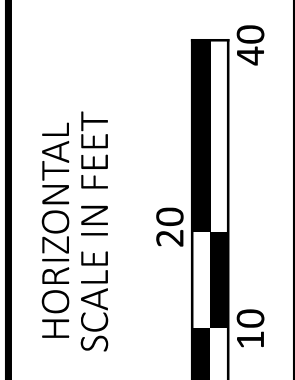
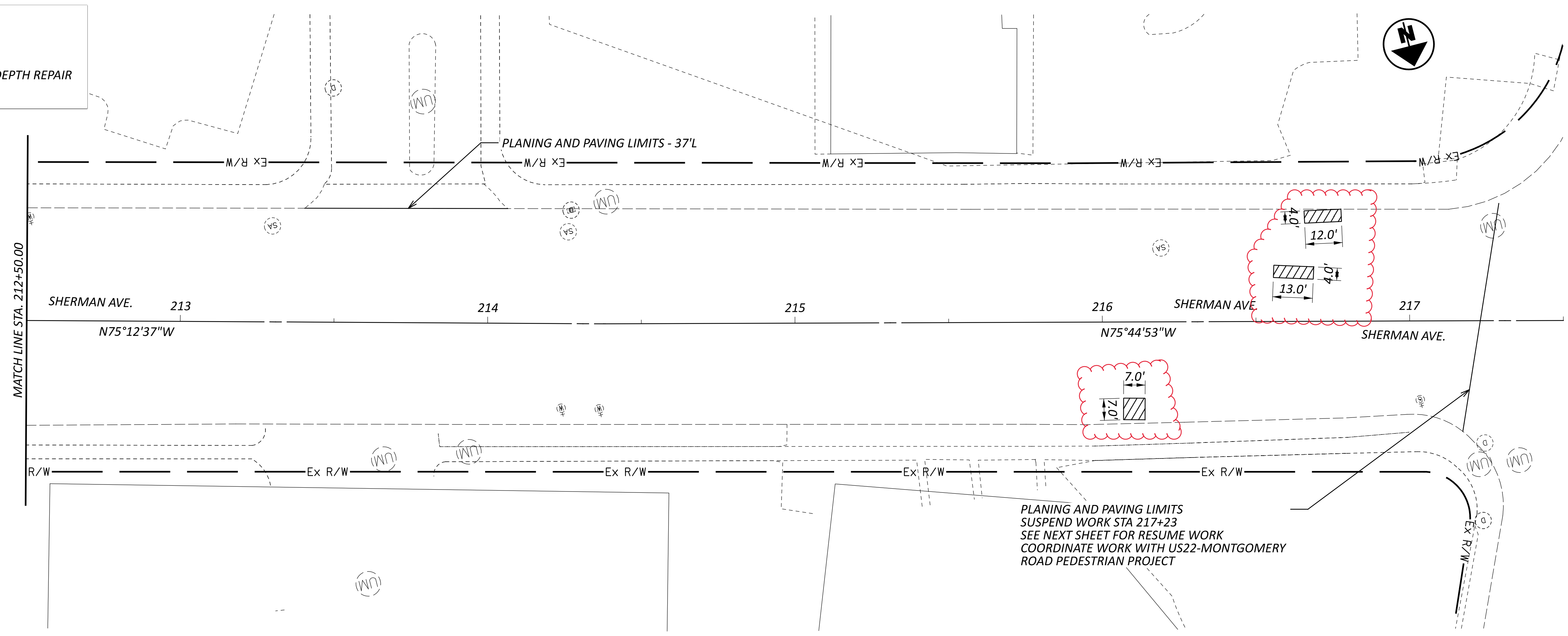


RESURFACING PLAN
STA. 202+50.00 TO STA. 212+50.00

DESIGN AGENCY	
TEC Engineering, Inc.	
TEC Engineering, Inc. 7288 Central Park Blvd. Mason, OH 45040	
DESIGNER	VMG
REVIEWER	DGO
PROJECT ID	115752
SHEET	TOTAL
13	42

LEGEND

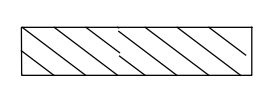
FULL DEPTH REPAIR



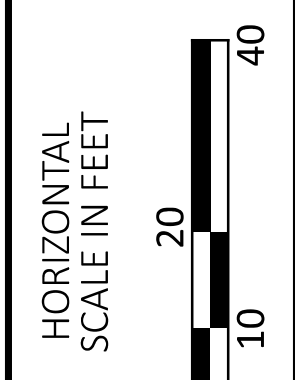
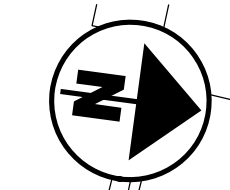
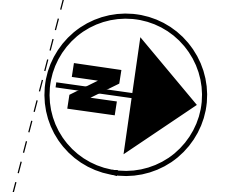
RESURFACING PLAN
STA. 212+50.00 TO STA. 217+80.00

DESIGN AGENCY	
TEC Engineering, Inc.	
TEC Engineering, Inc. PLAN PREPARED BY: TEC Engineering, Inc. 7288 Central Parke Blvd. Mason, OH 45040	
DESIGNER	VMG
REVIEWER	DGO
PROJECT ID	115752
SHEET	TOTAL
14	42

LEGEND



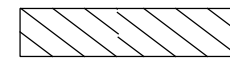
FULL DEPTH REPAIR



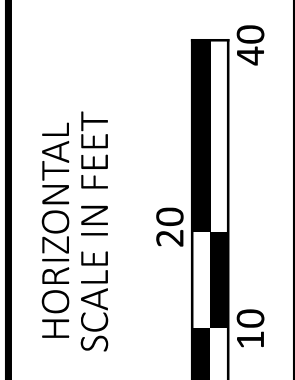
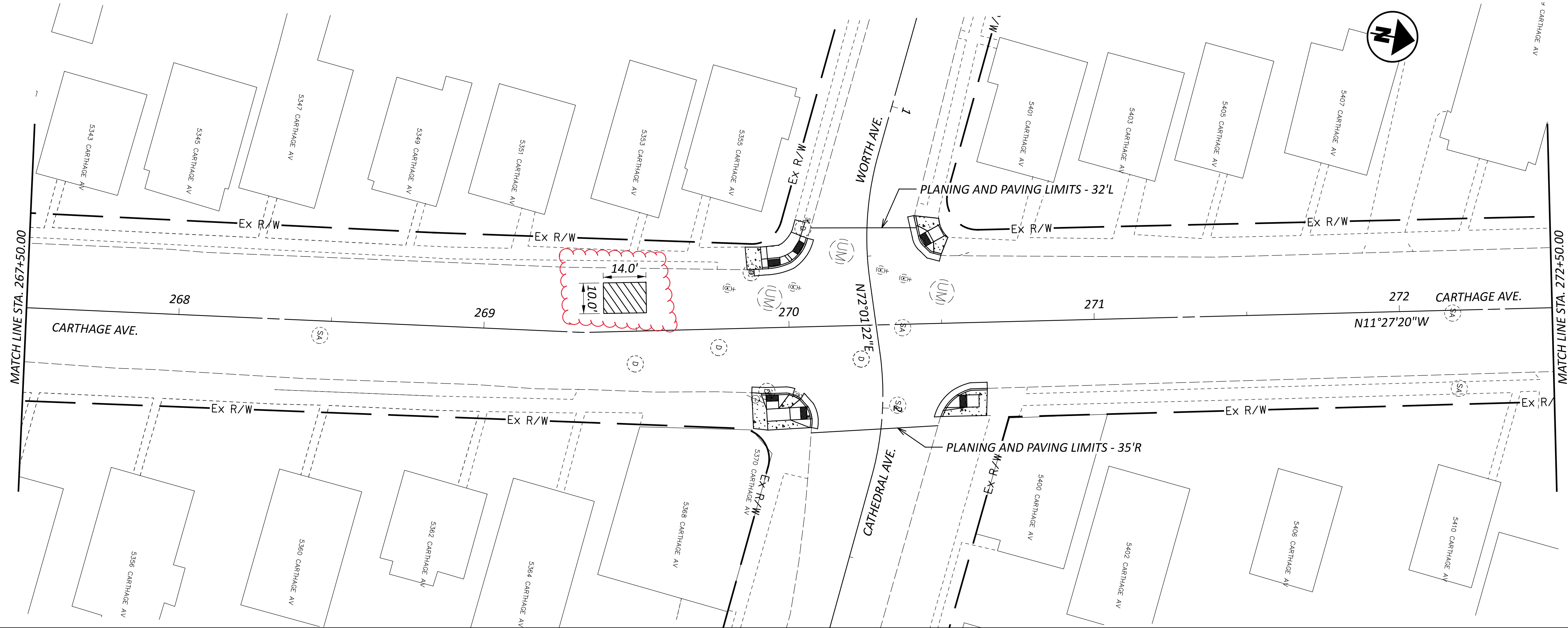
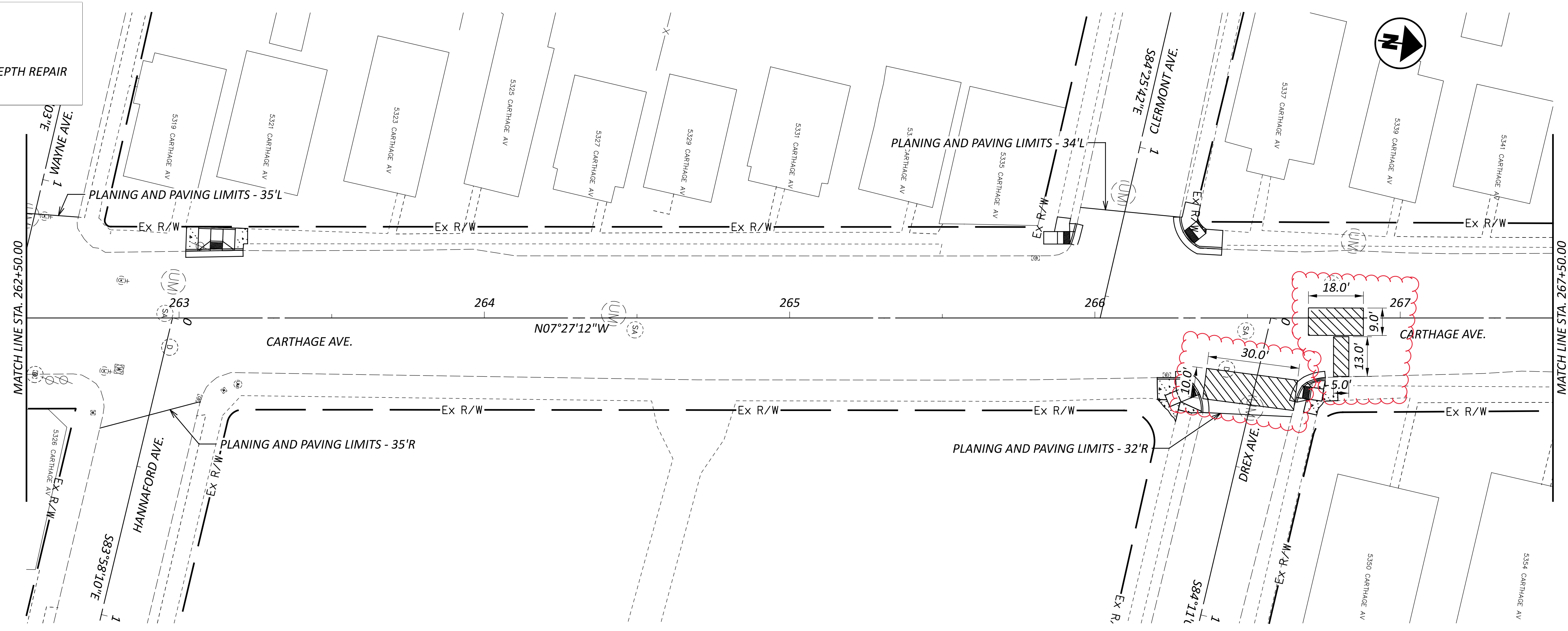
RESURFACING PLAN
STA. 252+50.00 TO STA. 262+50.00

DESIGN AGENCY	
TEC Engineering, Inc.	
TEC Engineering, Inc. 7288 Central Park Blvd. Mason, OH 45040	
DESIGNER	
VMG	
REVIEWER	
DGO 9-21-2023	
PROJECT ID	
115752	
SHEET	TOTAL
16	42

LEGEND

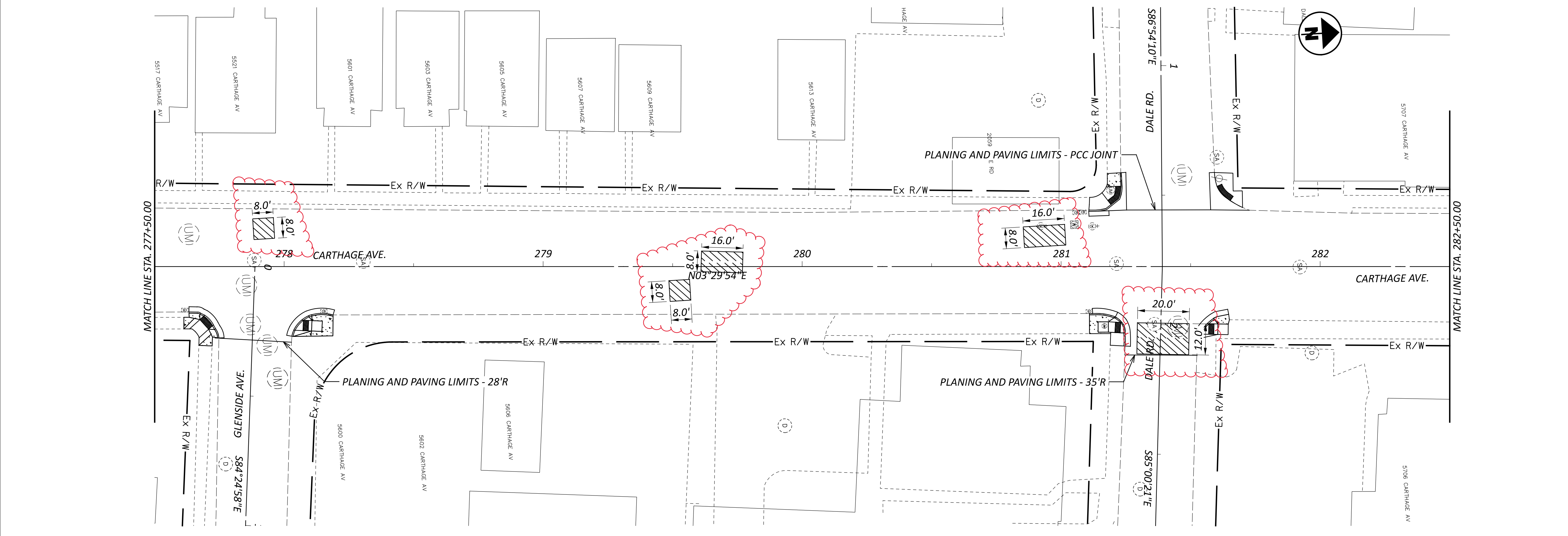
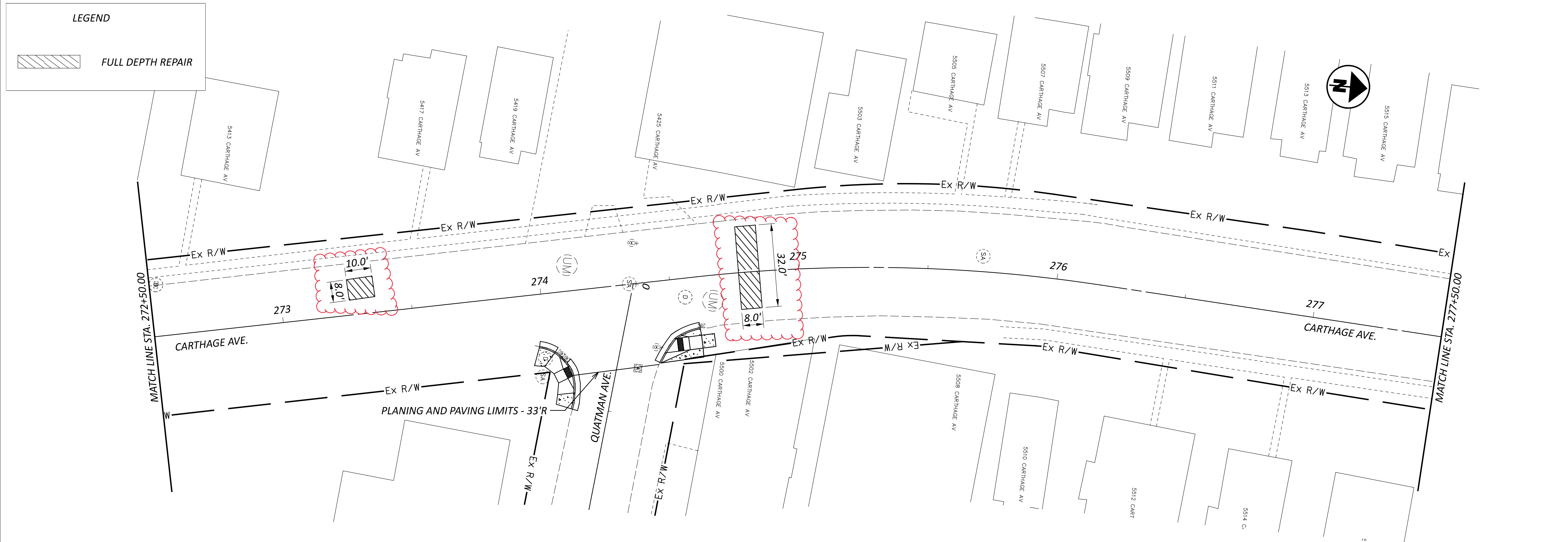


FULL DEPTH REPAIR



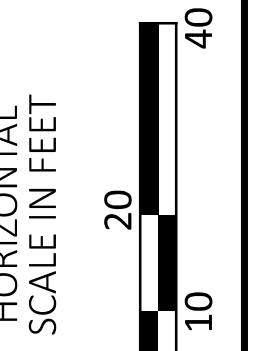
RESURFACING PLAN
STA. 262+50.00 TO STA. 272+50.00

DESIGN AGENCY	
TEC Engineering, Inc.	
TEC Engineering, Inc. 7288 Central Park Blvd. Mason, OH 45040	
DESIGNER	
VMG	
REVIEWER	
DGO 9-21-2023	
PROJECT ID	
115752	
SHEET	TOTAL
17	42



LEGEND

 FULL DEPTH REPAIR



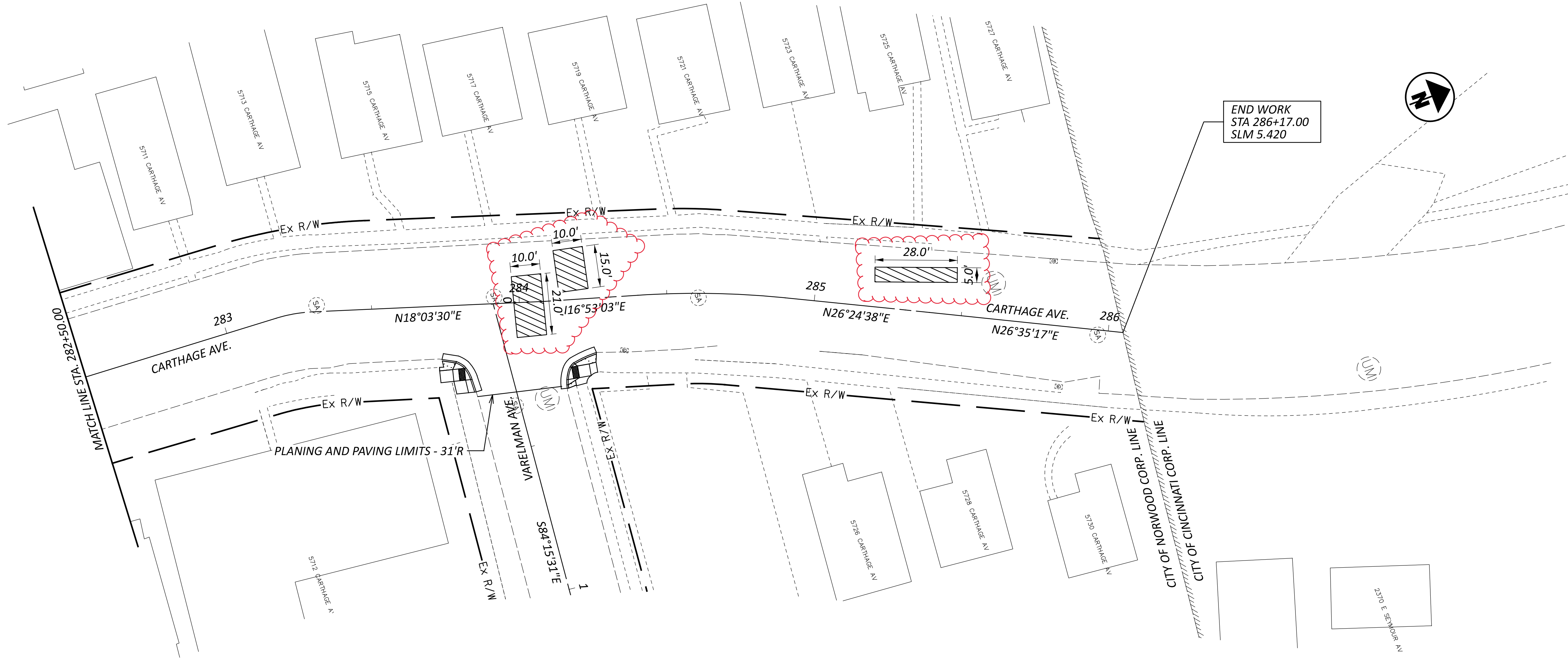
RESURFACING PLAN
STA. 272+50.00 TO STA. 282+50.00

DESIGN AGENCY
TEC Engineering, Inc.
PLM Prepared by:
TEC Engineering, Inc.
7288 Central Park Blvd.
Mason, OH 45040

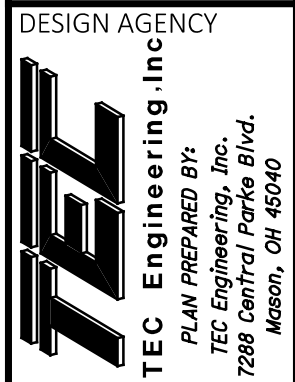
DESIGNER	VMG
REVIEWER	DGO
PROJECT ID	115752
SHEET	18
TOTAL	42

LEGEND

FULL DEPTH REPAIR

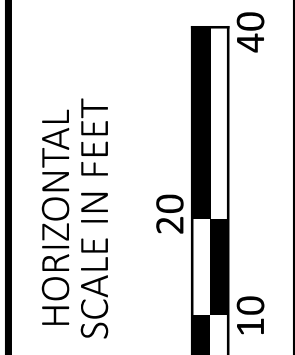


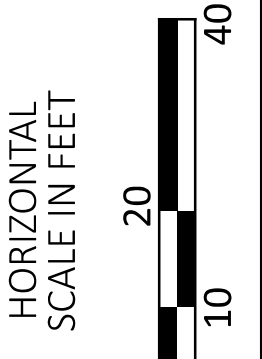
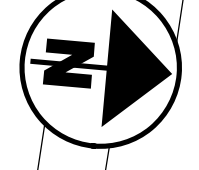
END WORK
 STA 286+17.00
 SLM 5.420



DESIGNER	VMG
REVIEWER	DGO
PROJECT ID	115752
SHEET	TOTAL
19	42

RESURFACING PLAN
 STA. 282+50.00 TO STA. 286+10.00

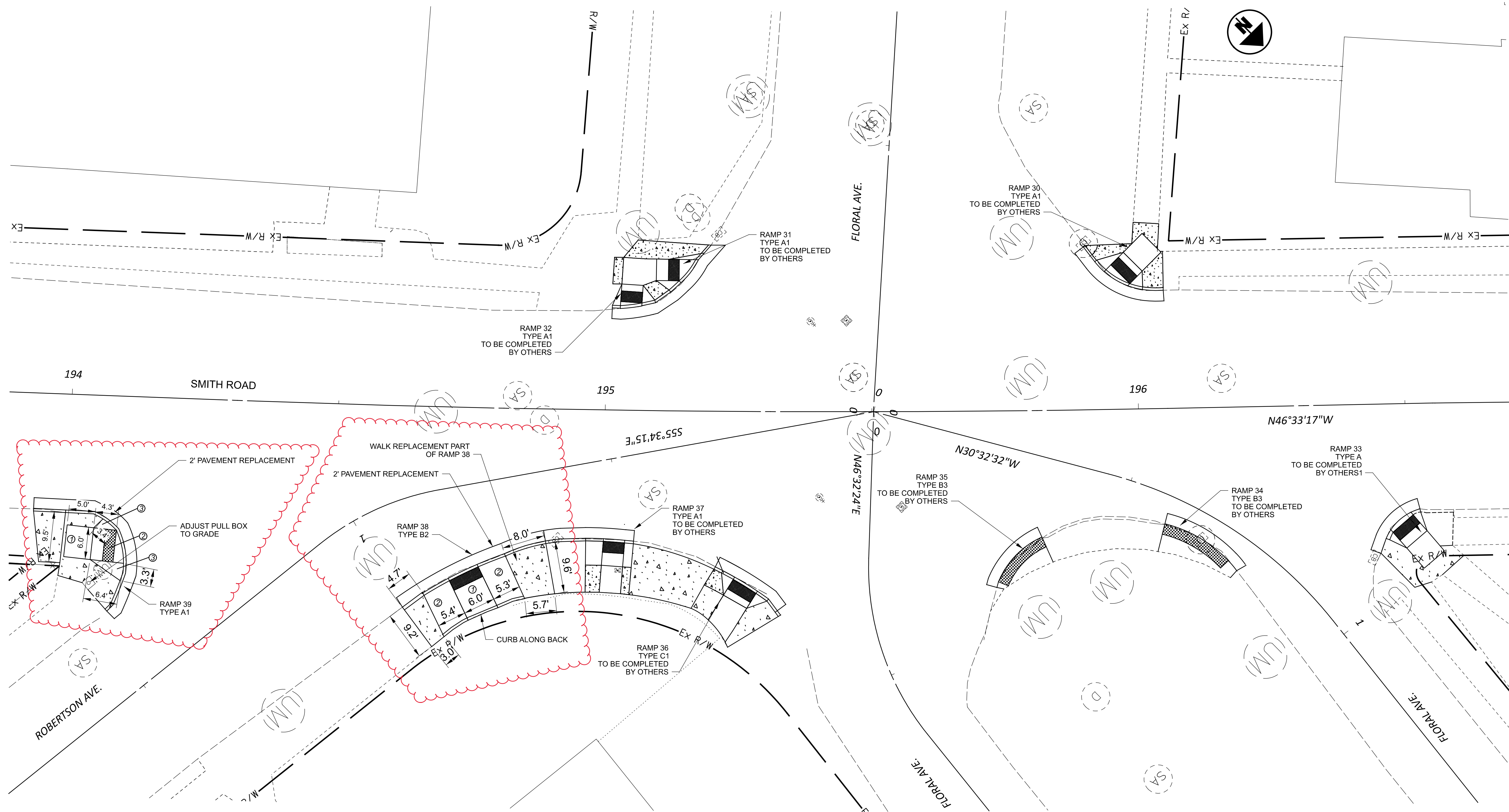




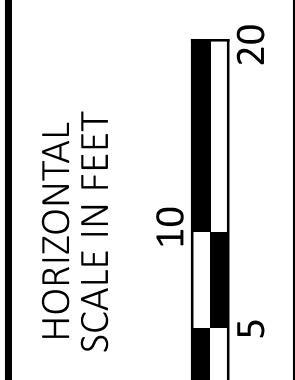
TRAFFIC CONTROL PLAN
STA. 272+50.00 TO STA. 282+50.00

DESIGN AGENCY	
TEC Engineering, Inc.	
TEC Engineering, Inc. 7288 Central Park Blvd. Mason, OH 45040	
DESIGNER	EAS
REVIEWER	DGO
PROJECT ID	115752
SHEET	TOTAL
33	42

SMITH ROAD & FLORAL AVENUE/ROBERTSON AVENUE




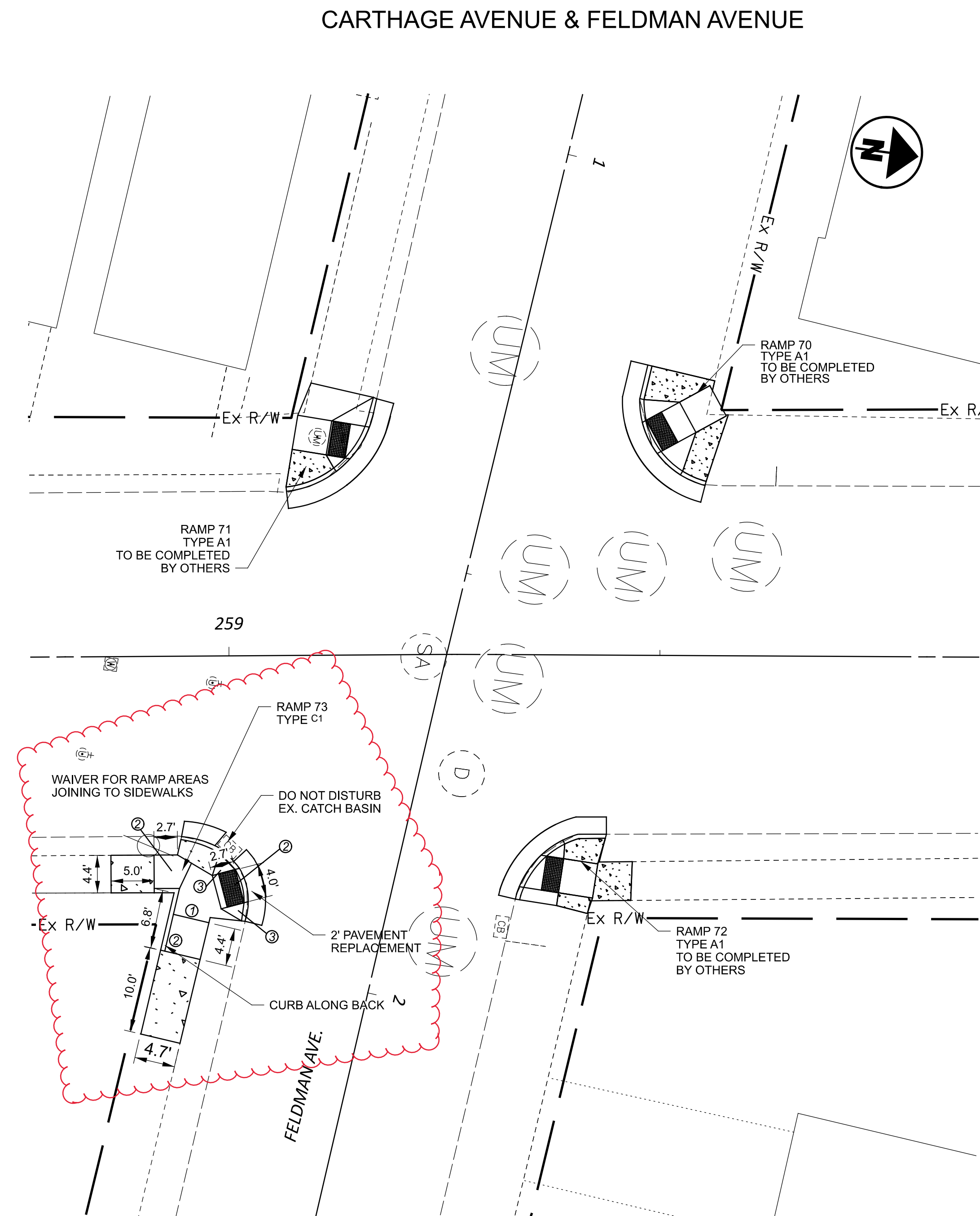
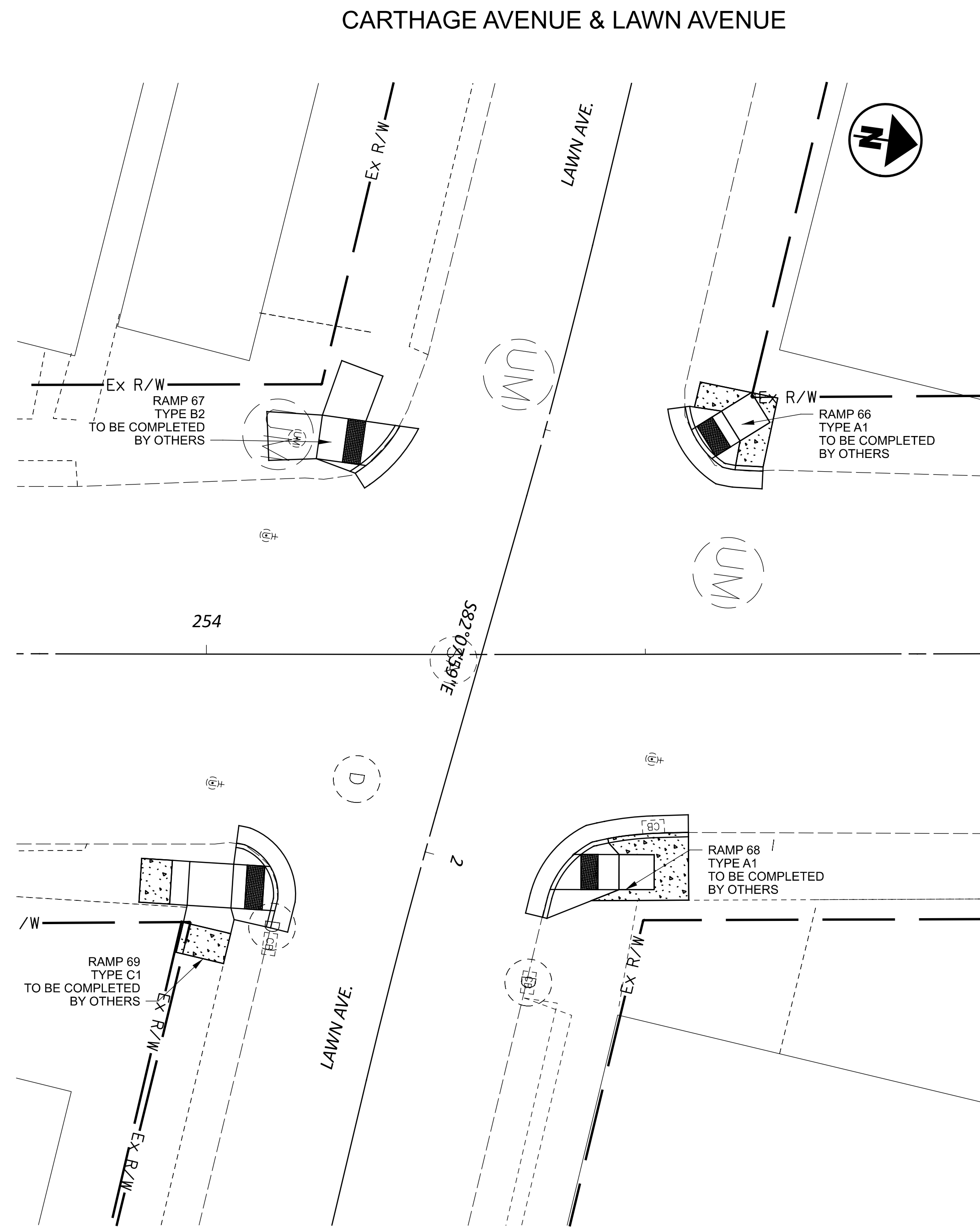
- NOTES:
- ① A 64:1 MAX DIRECTIONAL SLOPE SHALL BE MAINTAINED.
 - ② A 13:1 MAX RUNNING SLOPE AND 64:1 CROSS SLOPE SHALL BE MAINTAINED.
 - ③ A 10:1 MAX DIRECTIONAL SLOPE SHALL BE MAINTAINED.
- PROPOSED SIDEWALK



CURB RAMP DETAILS
 SMITH RD. & ROBERTSON AVE., SMITH RD. & FLORAL AVE.

DESIGN AGENCY	
 TEC Engineering, Inc. PLAN PREPARED BY: TEC Engineering, Inc. 7888 Central Parke Blvd. Mason, OH 45040	
DESIGNER	
AFS	
REVIEWER	
DGO 9-21-2023	
PROJECT ID	
115752	
SHEET	TOTAL
37	42

- NOTES:
- ① A 64:1 MAX DIRECTIONAL SLOPE SHALL BE MAINTAINED.
 - ② A 13:1 MAX RUNNING SLOPE AND 64:1 CROSS SLOPE SHALL BE MAINTAINED.
 - ③ A 10:1 MAX DIRECTIONAL SLOPE SHALL BE MAINTAINED.
-  PROPOSED SIDEWALK



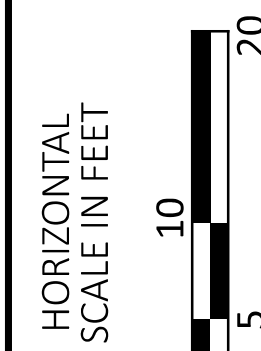
CURB RAMP DETAILS
 CARTHAGE AVE. & LAWN AVE., CARTHAGE AVE. & FELDMAN AVE.

DESIGN AGENCY

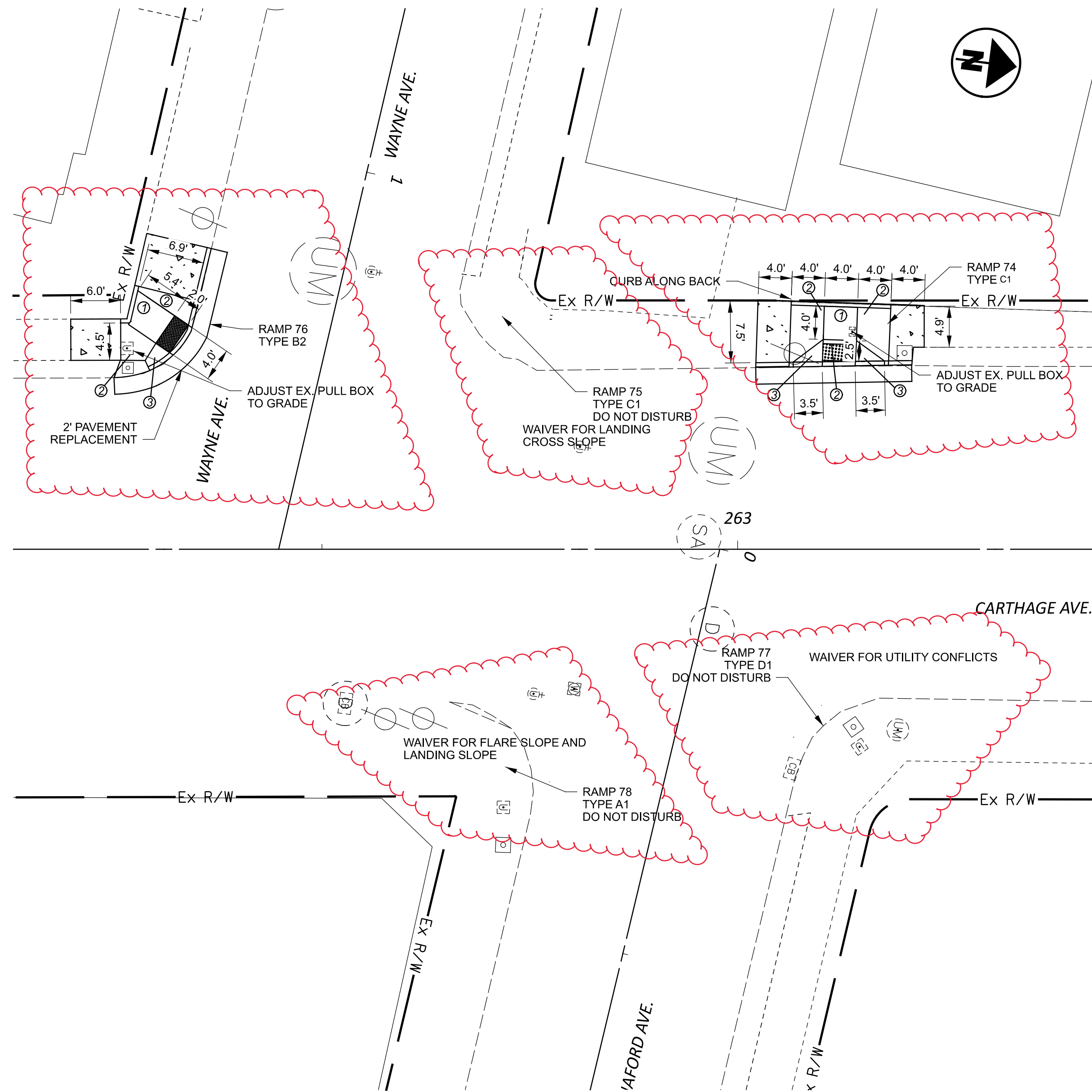


TEC Engineering, Inc.
 PLAN PREPARED BY:
 TEC Engineering, Inc.
 7288 Central Parke Blvd.
 Mason, OH 45040

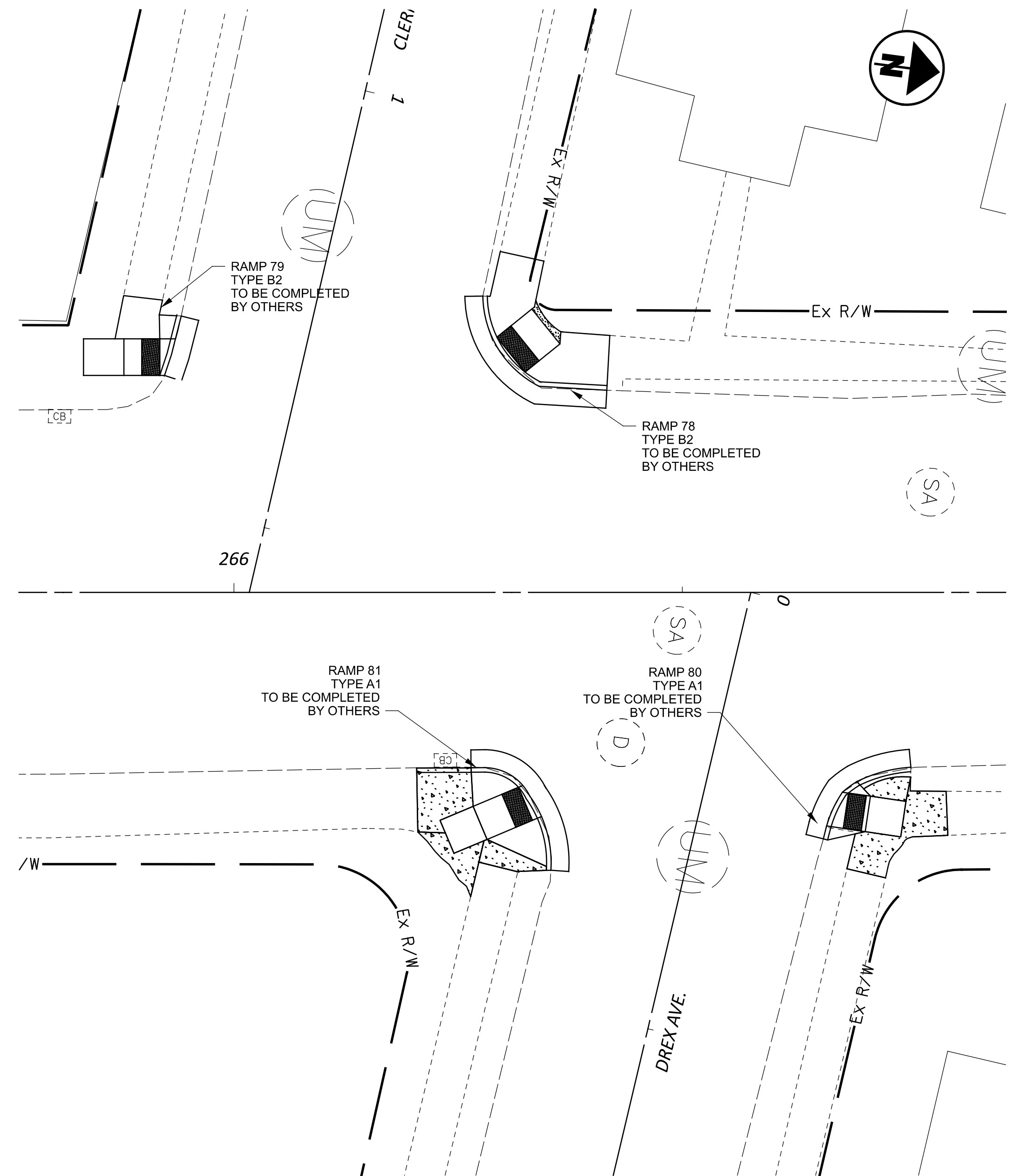
DESIGNER	AFS
REVIEWER	AFS
PROJECT ID	115752
SHEET	TOTAL
39	42



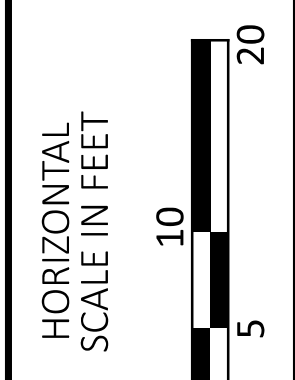
CARTHAGE AVENUE & WAYNE AVENUE/ HANNAFORD AVENUE



CARTHAGE AVENUE & CLERMONT AVENUE/DREX AVENUE



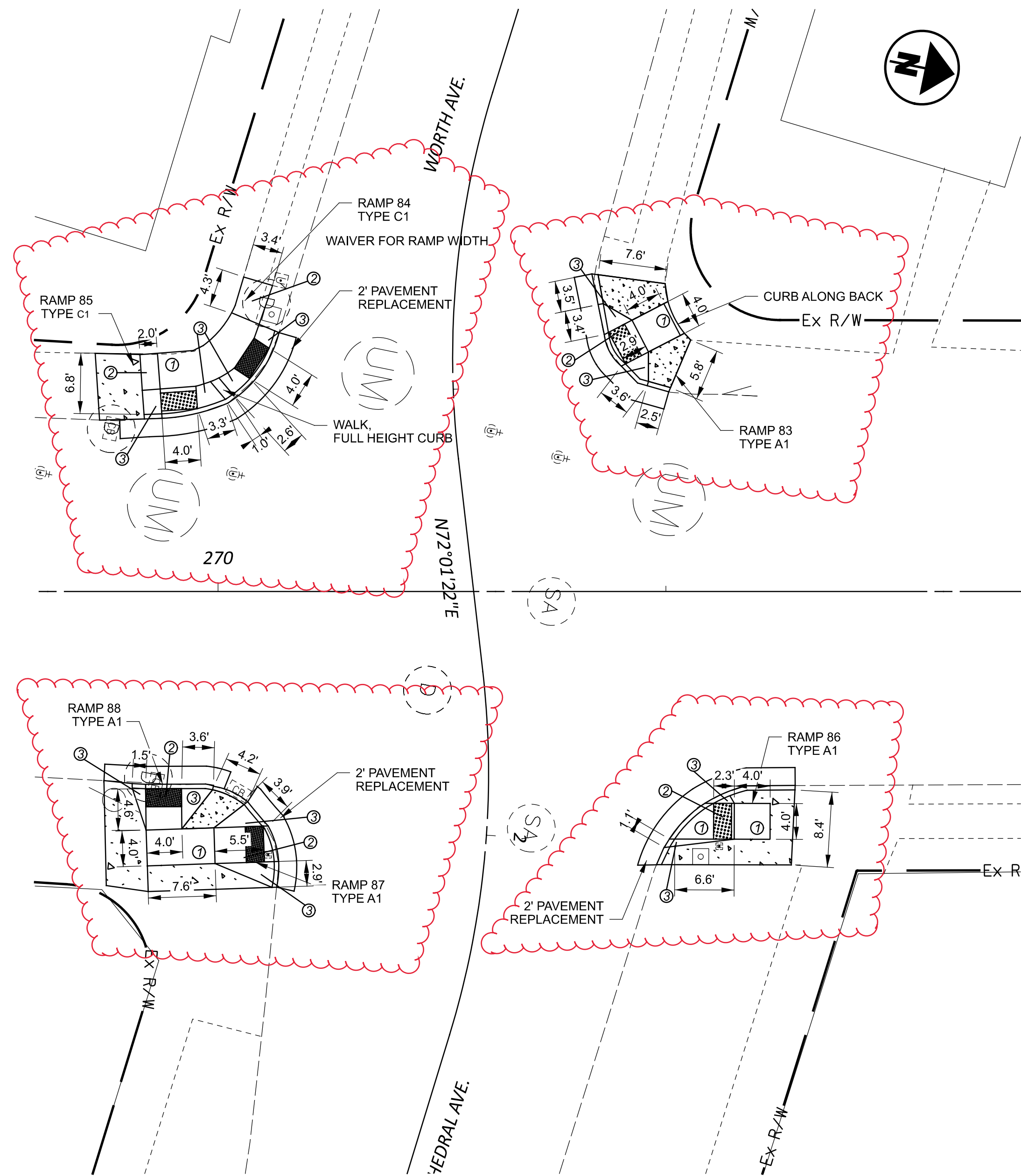
- NOTES:
- ① A 64:1 MAX DIRECTIONAL SLOPE SHALL BE MAINTAINED.
 - ② A 13:1 MAX RUNNING SLOPE AND 64:1 CROSS SLOPE SHALL BE MAINTAINED.
 - ③ A 10:1 MAX DIRECTIONAL SLOPE SHALL BE MAINTAINED.
- PROPOSED SIDEWALK



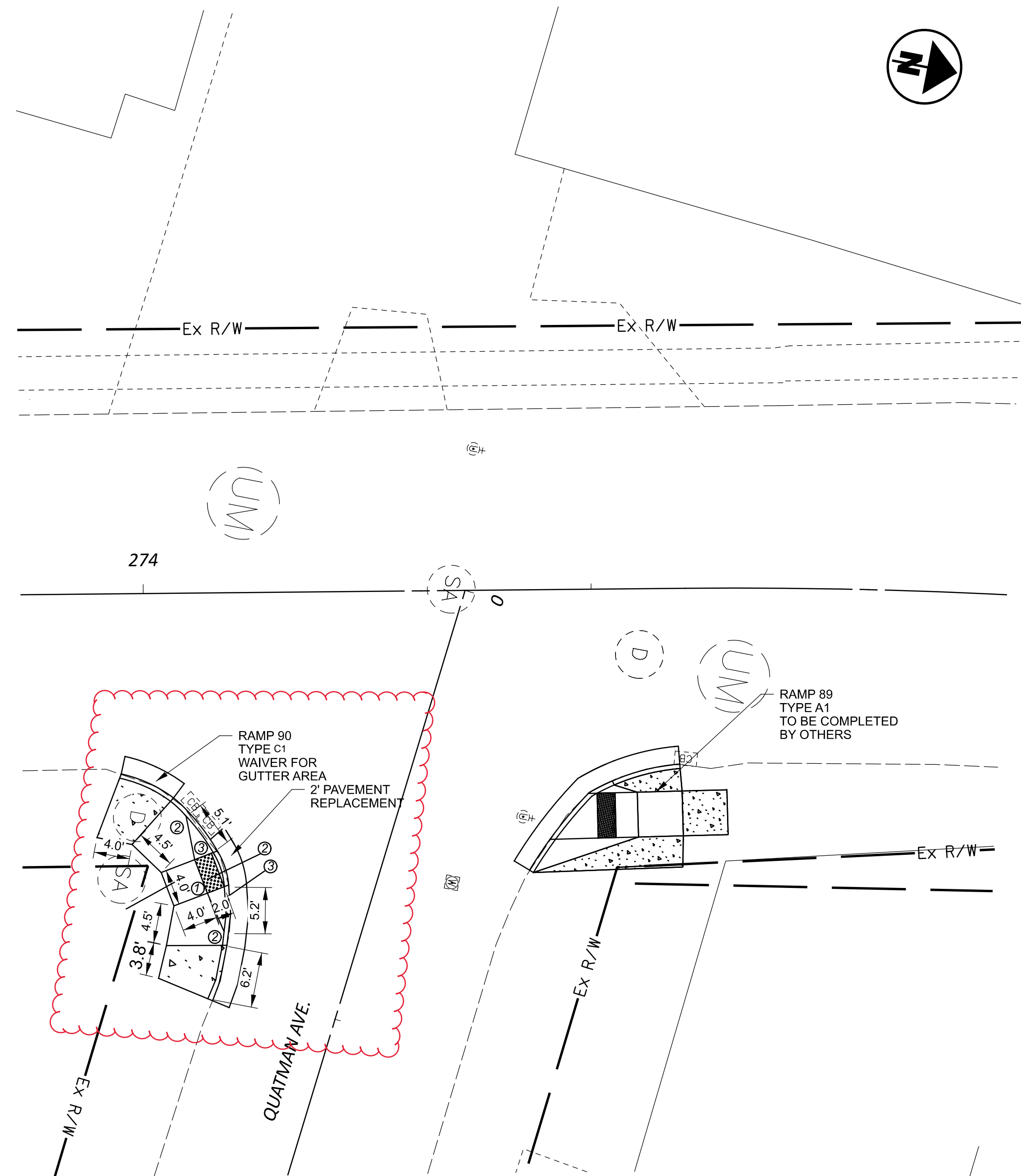
CURB RAMP DETAILS
 CARTHAGE AVE. & WAYNE AVE, HANNAFORD AVE, CLERMONT AVE, & DREX AVE.

DESIGN AGENCY	
 TEC Engineering Inc. PLAN PREPARED BY: TEC Engineering, Inc. 7288 Central Park Blvd. Mason, OH 45040	
DESIGNER	
AFS	
REVIEWER	
DGO 9-21-2023	
PROJECT ID	
115752	
SHEET	TOTAL
40	42

CARTHAGE AVENUE & CATHEDRAL AVENUE/ WORTH AVENUE



CARTHAGE AVENUE & QUATMAN AVENUE



NOTES:

- ① A 64:1 MAX DIRECTIONAL SLOPE SHALL BE MAINTAINED.
 - ② A 13:1 MAX RUNNING SLOPE AND 64:1 CROSS SLOPE SHALL BE MAINTAINED.
 - ③ A 10:1 MAX DIRECTIONAL SLOPE SHALL BE MAINTAINED.
- PROPOSED SIDEWALK



CURB RAMP DETAILS
 CARTHAGE AVE. & CATHEDRAL AVE./WORTH AVE., CARTHAGE AVE. & QUATMAN AVE.

DESIGN AGENCY



DESIGNER

AFS

REVIEWER

DGO 9-21-2023

PROJECT ID

115752

SHEET TOTAL

41 42

