

GENERAL NOTES

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGER'S HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGER'S HOTLINE.

THE COST OF GRADING, CONSTRUCTING, MAINTAINING, AND REMOVING TEMPORARY ACCESS IS INCIDENTAL TO THE CONTRACT.

DO NOT OPERATE ANY MOTORIZED EQUIPMENT WITHIN WETLANDS.

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TRAFFIC CONTROL

STANDARD ABBREVIATIONS LIST

AP	ACCESS POINT	CPRCHE	CULVERT PIPE REINFORCED CONCRETE	I	INTERSECTION ANGLE	PVC	POINT OF VERTICAL CURVE	SDD	STANDARD DETAIL DRAWINGS
AC	ACRE		HORIZONTAL ELLIPTICAL	INV	INVERT	PVI	POINT OF VERTICAL INTERSECTION	STH	STATE TRUNK HIGHWAYS
ADJ	ADJUST	C & G	CURB AND GUTTER	IP	IRON PIPE OR PIN	PVT	POINT OF VERTICAL TANGENCY	STA	STATION
AECPRC	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE	D	DEGREE OF CURVE	JT	JOINT	PVC	POLYVINYL CHLORIDE	SS	STORM SEWER
AH	AHEAD	DHV	DESIGN HOUR VOLUME	LT	LEFT	PCC	PORTLAND CEMENT CONCRETE	SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
AC	ASPHALT CEMENT	DIA	DIAMETER	LT	LENGTH OF CURVE	LB	POUND	ST	STREET
ASPH	ASPHALTIC	DD	DIRECTIONAL DISTRIBUTION	LF	LINEAR FOOT	PSF	POUNDS PER SQUARE FOOT	STR	STRUCTURE OR STRUCTURAL
ACP	ASPHALTIC CONCRETE PAVEMENT	DWY	DRIVEWAY	LP	LOW POINT	PSI	POUNDS PER SQUARE INCH	SEC	SUPERELEVATION
AVG	AVERAGE	E	EAST	LS	LUMP SUM	PE	PRIVATE ENTRANCE	T	TANGENT
ADT	AVERAGE DAILY TRAFFIC	X	EAST GRID COORDINATE	MH	MANHOLE	PGL	PROFILE GRADE LINE	TEMP	TEMPORARY
AEW	APRON ENWALL	EB	EASTBOUND	MAX	MAXIMUM	PL	PROPERTY LINE	TI	TEMPORARY INTEREST
BK	BACK	EL	ELEVATION	Mgal	MEGAGALLON	Q100	100-YEAR FLOW RATE	TLE	TEMPORARY LIMITED EASEMENT
BAD	BASE AGGREGATE DENSE	ESALS	EQUIVALENT SINGLE AXLE LOADS	MPH	MILES PER HOUR	R	RADIUS	t	TON
BM	BENCHMARK	EXC	EXCAVATION	MIN	MINIMUM	RR	RAILROAD	T	TOWN
CB	CATCH BASIN	EBS	EXCAVATION BELOW SUBGRADE	MON	MONUMENT	R	RANGE	T/L	TRANSIT LINE
C/L	CENTER LINE	EXIST	EXISTING	NOM	NOMINAL	R/L	R/L	T	TRUCKS (PERCENT OF)
C/L CONST	CENTER LINE CONSTRUCTION	FPS	FEET PER SECOND	NC	NORMAL CROWN	REINF	REINFORCING OR REINFORCEMENT	TYP	TYPICAL
Δ	CENTRAL ANGLE OR DELTA	FERT	FERTILIZE	N	NORTH	REQD	REQUIRED	USH	UNITED STATES HIGHWAY
CL	CLASS	FE	FIELD ENTRANCE	Y	NORTH GRID COORDINATE	RT	RIGHT	VAR	VARIABLE
CONC	CONCRETE	FL	FLOW LINE	NB	NORTHBOUND	R/W	RIGHT-OF-WAY	V	VELOCITY OF DESIGN SPEED
CONST	CONSTRUCTION	FT	FOOT	NO	NUMBER	RD	ROAD	VERT	VERTICAL
CMCP	CORRUGATED METAL CULVERT PIPE	GN	GRID NORTH	OPT	OPTIONAL	RDWY	ROADWAY	VC	VERTICAL CURVE
CTH	COUNTY TRUNK HIGHWAY	HES	HIGH EARLY STRENGTH	OD	OUTSIDE DIAMETER	SEC	SECTION	VOL	VOLUME
CABC	CRUSHED AGGREGATE BASE COURSE	HP HW	HIGH POINT	PAVT	PAVEMENT	SHLDR	SHOULDER	WM	WATERMAIN
CFS	CUBIC FEET PER SECOND	HW	HIGH WATER	PLE	PERMANENT LIMITED EASEMENT	S	SOUTH	WV	WATER VALVE
CY	CUBIC YARD	HMA	HOT MIX ASPHALT	PACS	PIPE ARCH CORRUGATED STEEL	SB	SOUTHBOUND	W	WEST
CP	CULVERT PIPE	CWT	HUNDREDWEIGHT	PT	POINT	SQ	SQUARE	WB	WESTBOUND
CPCS	CULVERT PIPE CORRUGATED STEEL	HWD	HYDRANT	PC	POINT OF CURVATURE	SF	SQUARE FEET	YD	YARD
CPRC	CULVERT PIPE REINFORCED CONCRETE	INL	INLET	PI	POINT OF INTERSECTION	SW	SIDEWALK		
		ID	INSIDE DIAMETER	PT	POINT OF TANGENCY	SY	SQUARE YARD		

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N-40-046

N-40-042

S 13TH ST

N-40-043

N-40-041

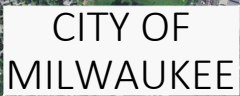
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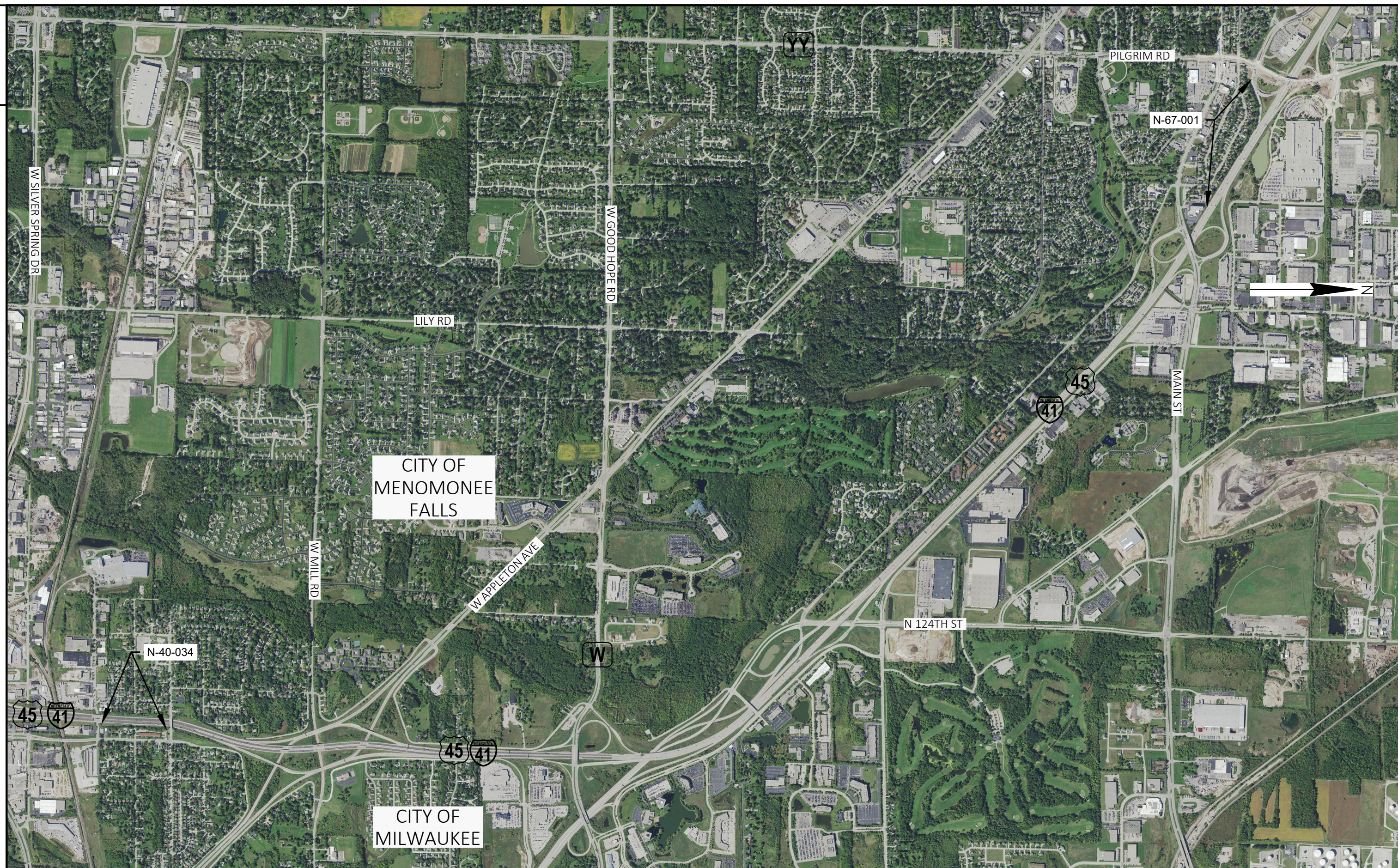
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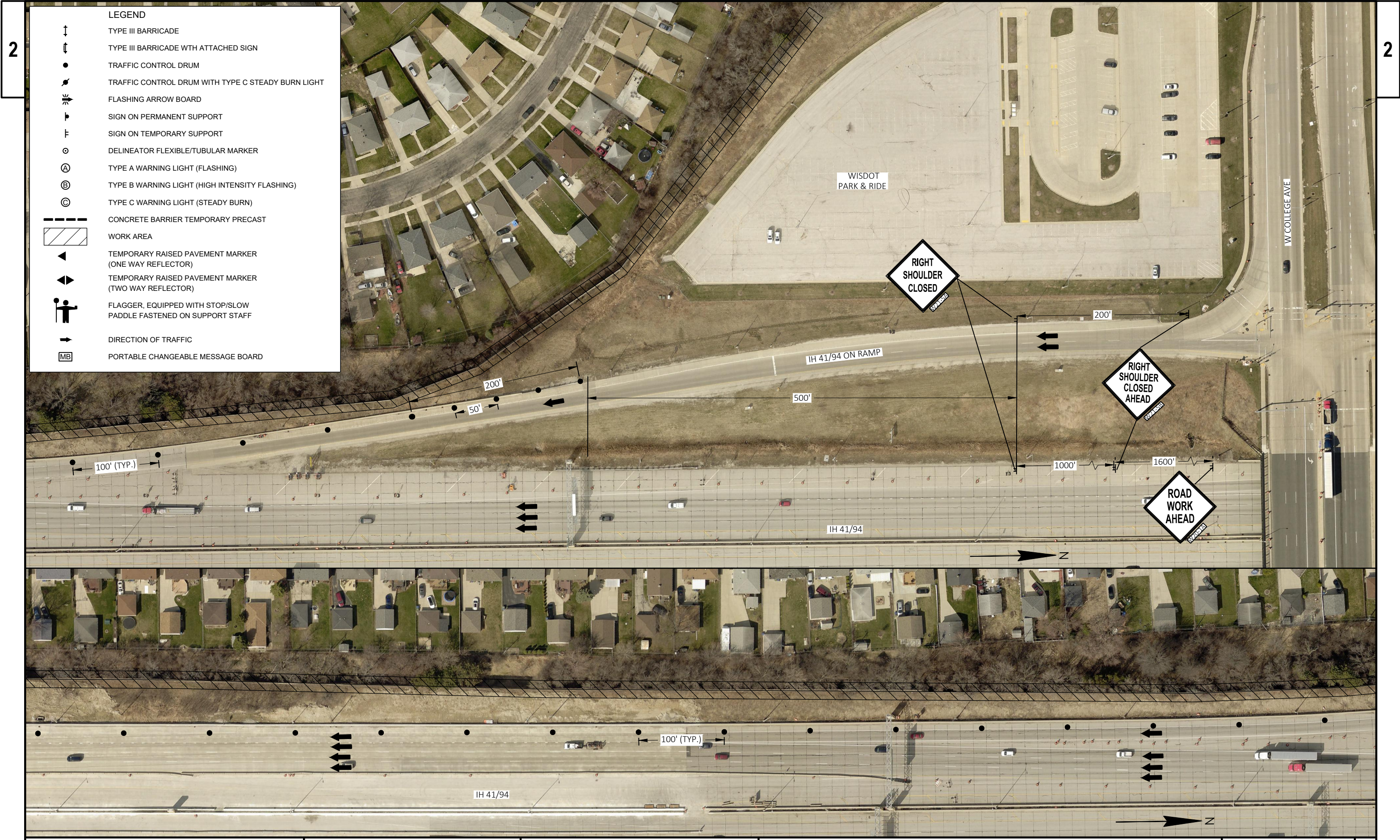
CITY OF MILWAUKEE

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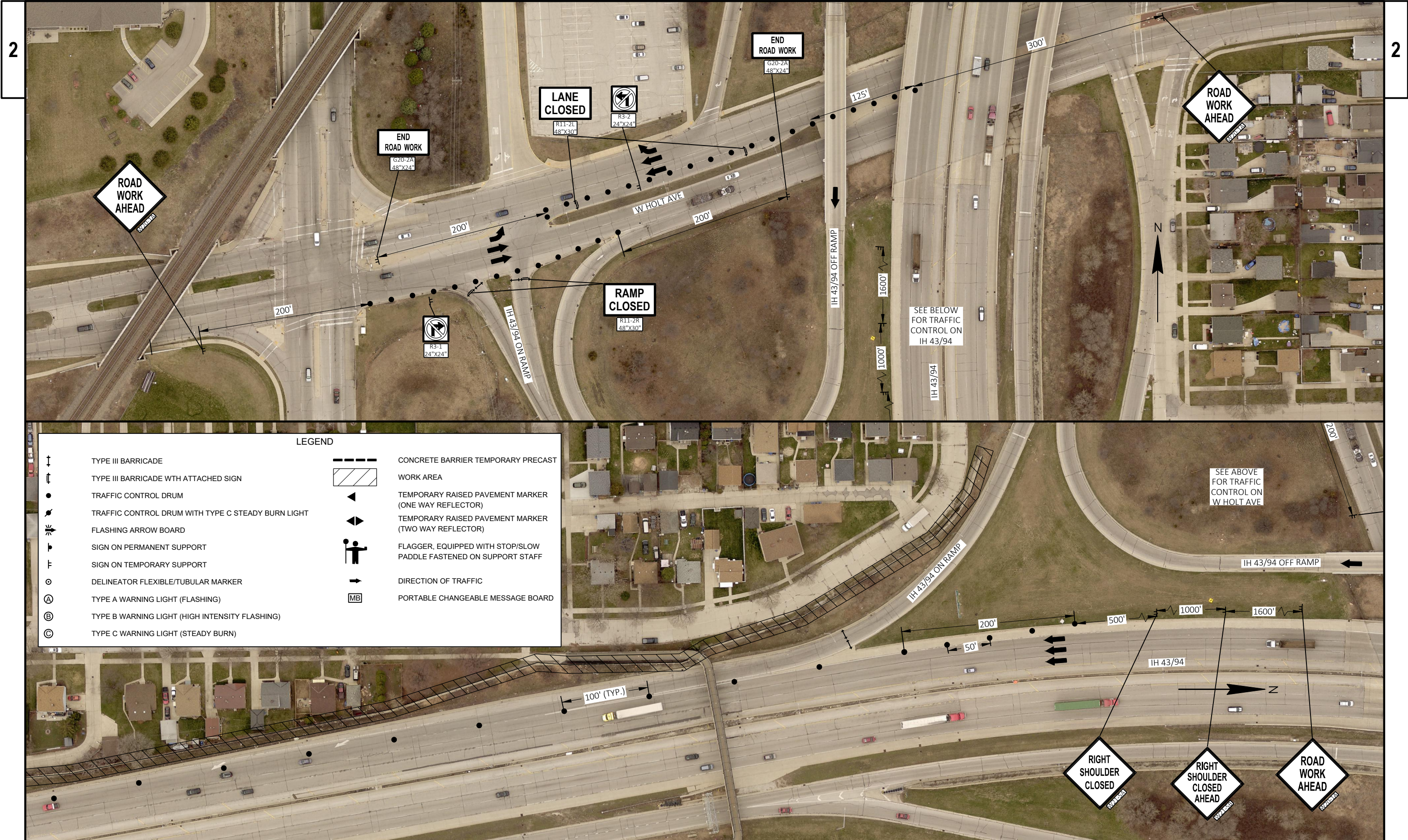


PROJECT NO: 1060-53-70	HWY: VARIOUS HIGHWAYS	COUNTY: SOUTHEAST REGIONWIDE	PROJECT OVERVIEW	SHEET PRE 6 E
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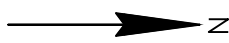


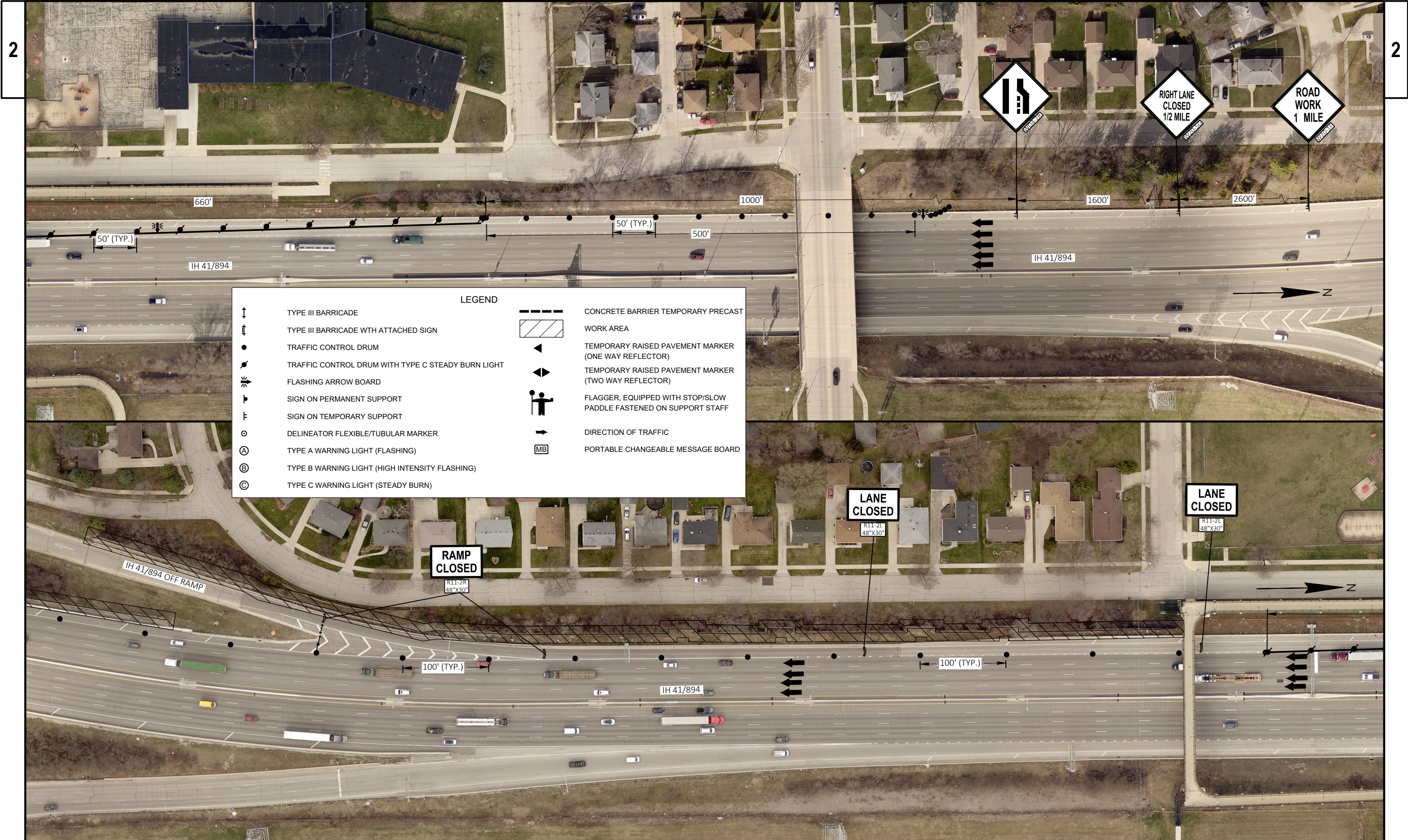
LEGEND	
	TYPE III BARRICADE
	TYPE III BARRICADE WTH ATTACHED SIGN
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	DELINEATOR FLEXIBLE/TUBULAR MARKER
	TYPE A WARNING LIGHT (FLASHING)
	TYPE B WARNING LIGHT (HIGH INTENSITY FLASHING)
	TYPE C WARNING LIGHT (STEADY BURN)
	CONCRETE BARRIER TEMPORARY PRECAST
	WORK AREA
	TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
	TEMPORARY RAISED PAVEMENT MARKER (TWO WAY REFLECTOR)
	FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF
	DIRECTION OF TRAFFIC
	PORTABLE CHANGEABLE MESSAGE BOARD





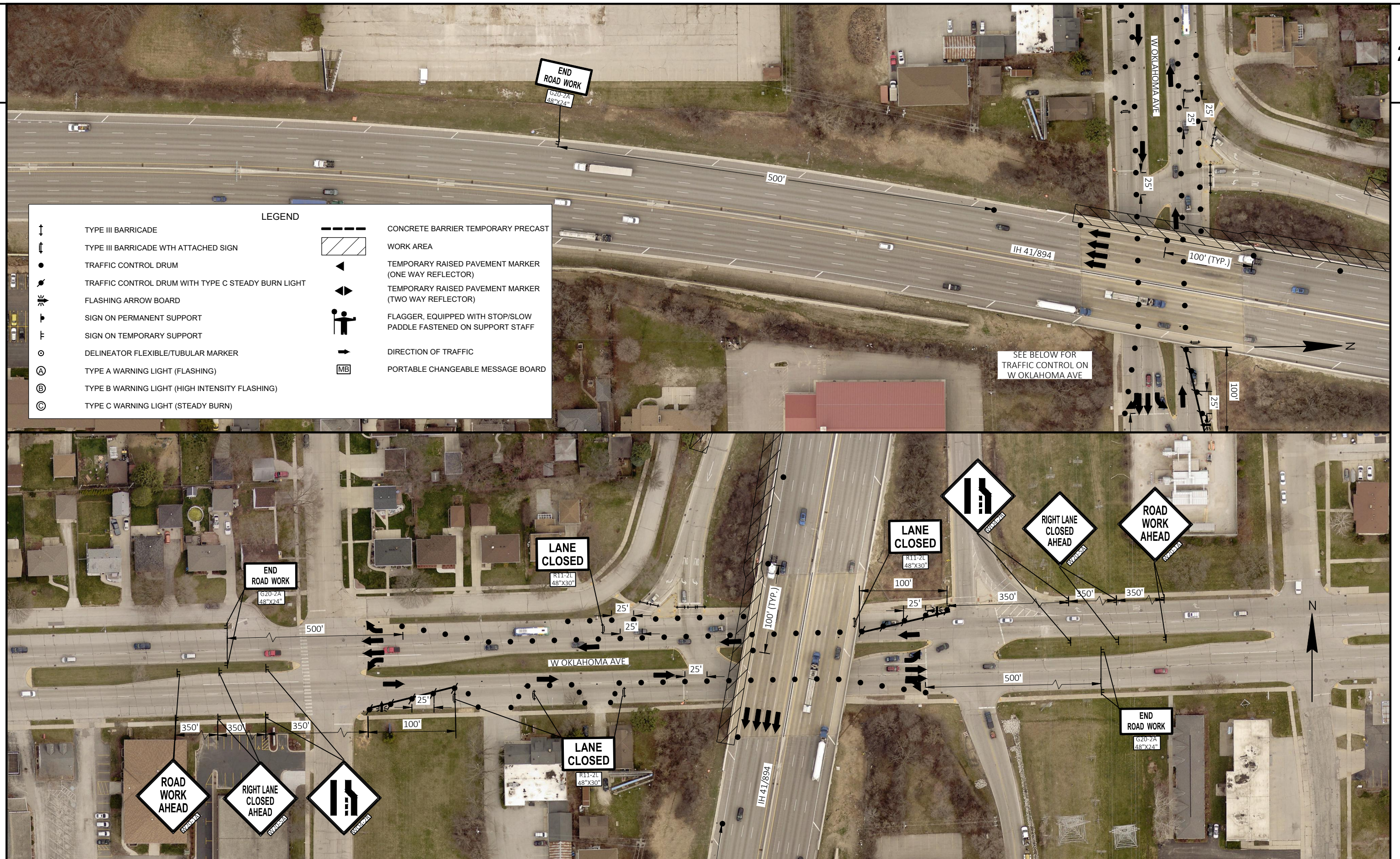
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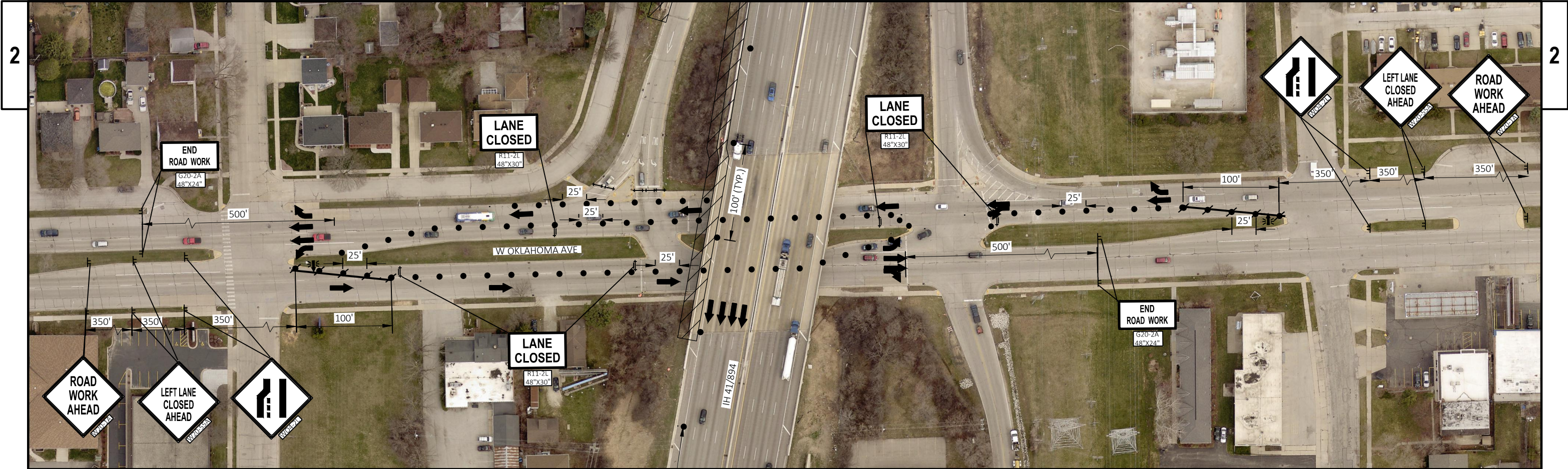




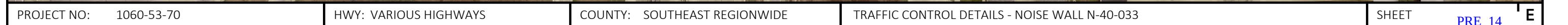
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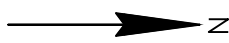


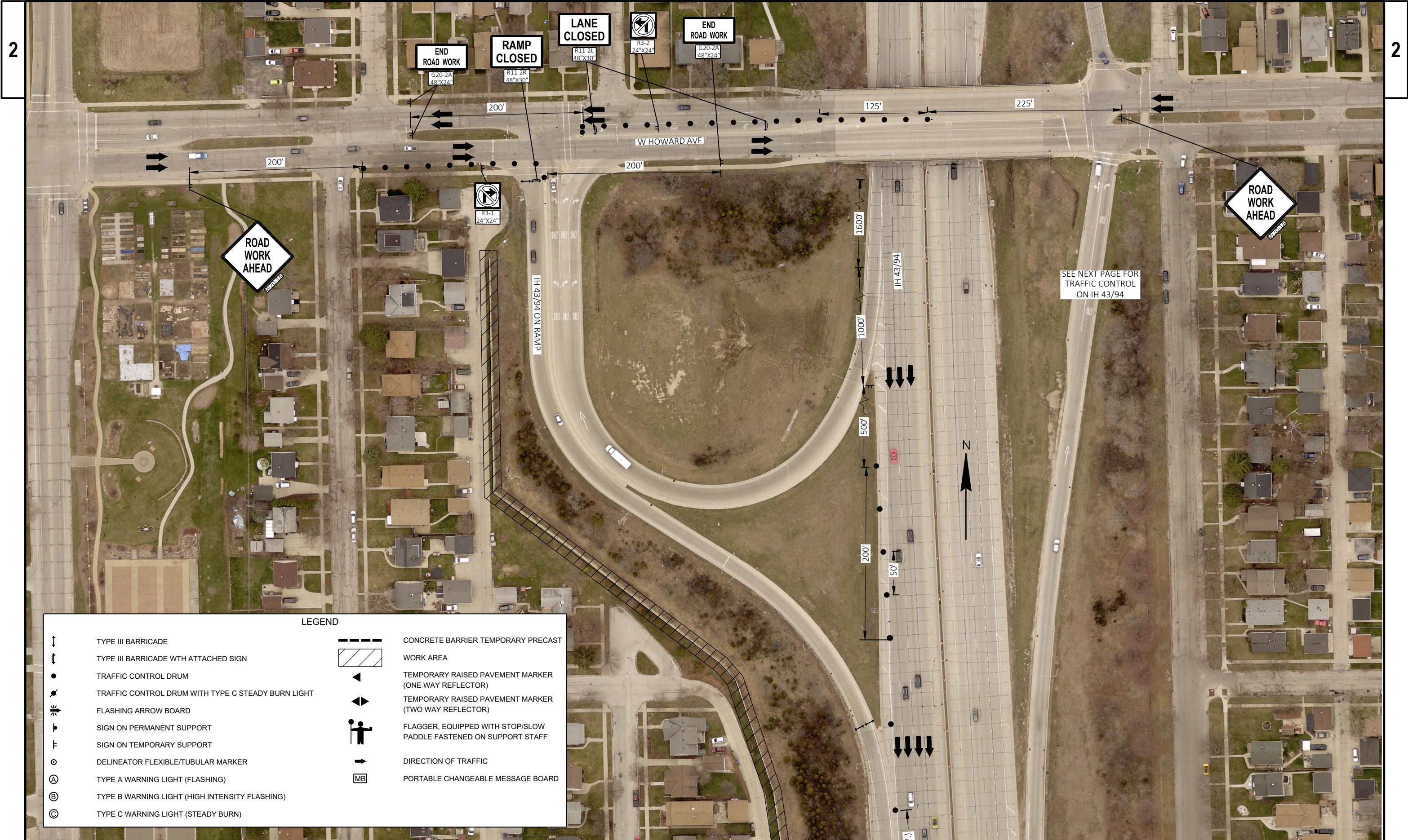




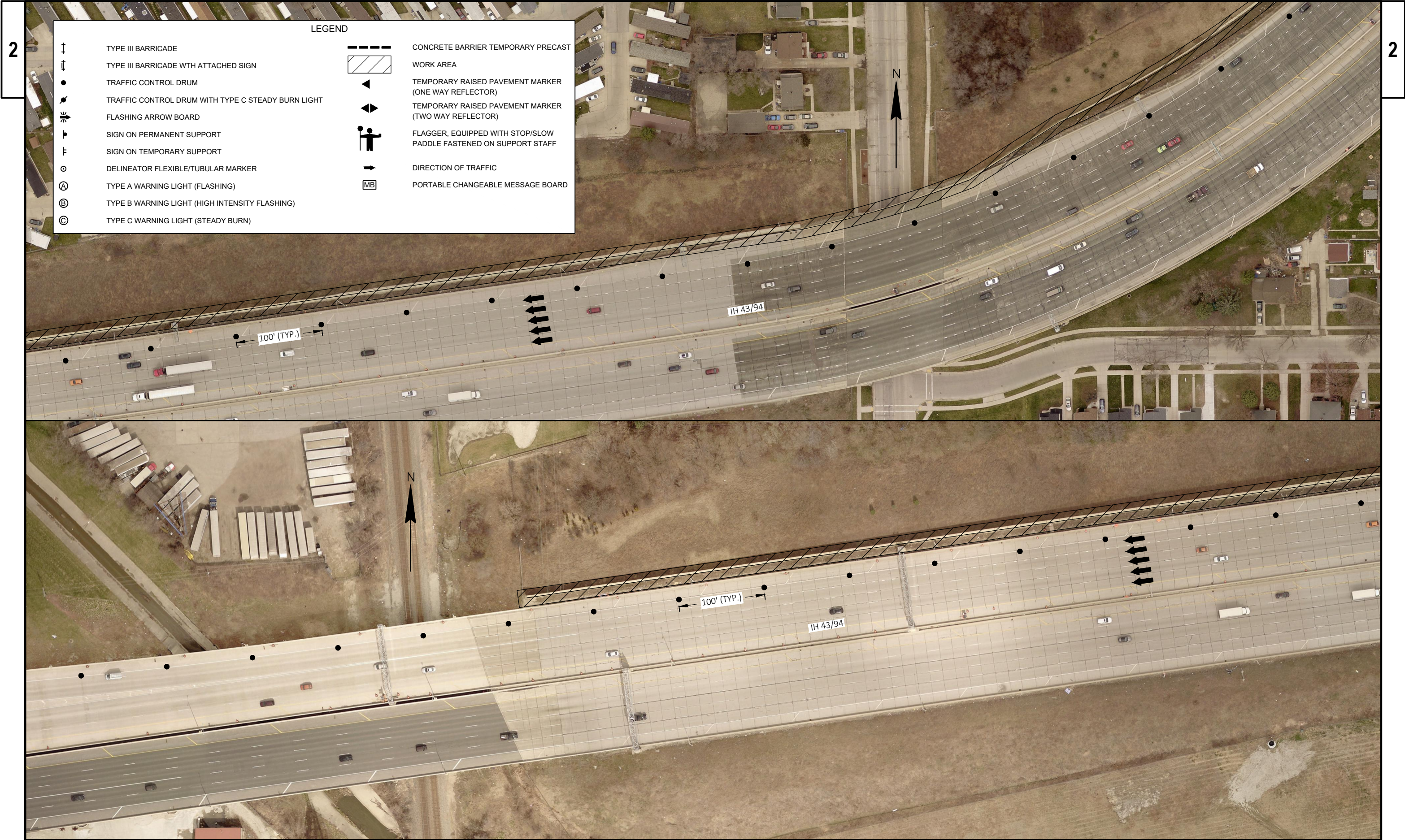


LEGEND			
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	TYPE III BARRICADE WTH ATTACHED SIGN		TEMPORARY RAISED PAVEMENT MARKER (ONE WAY REFLECTOR)
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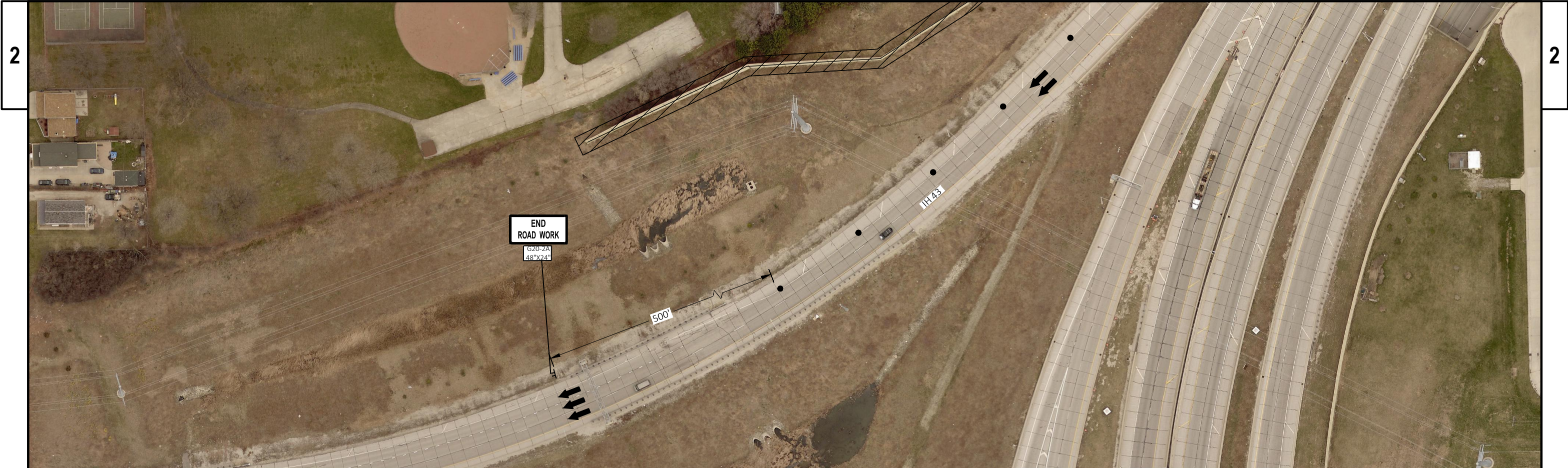




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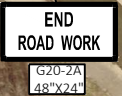




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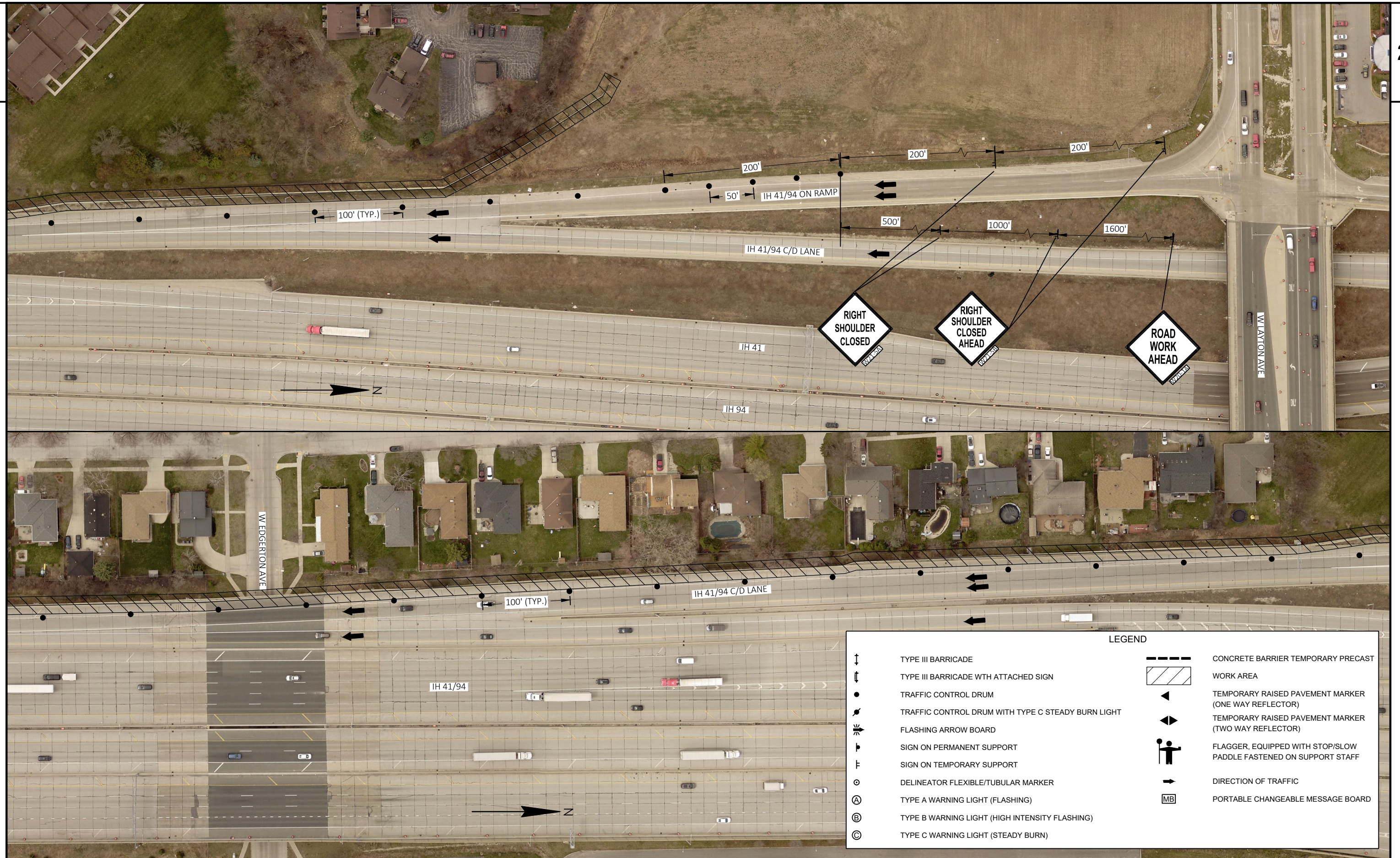


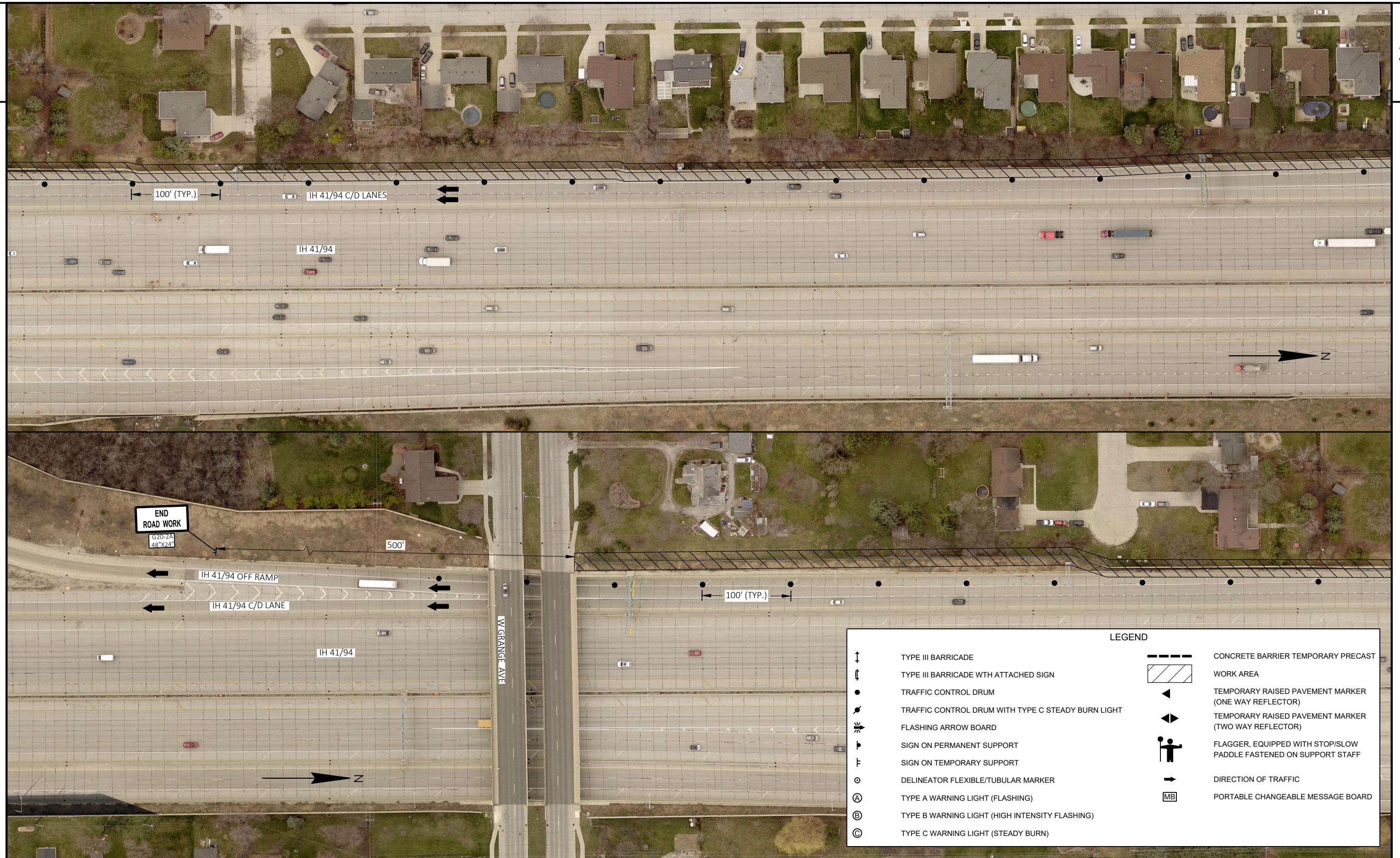


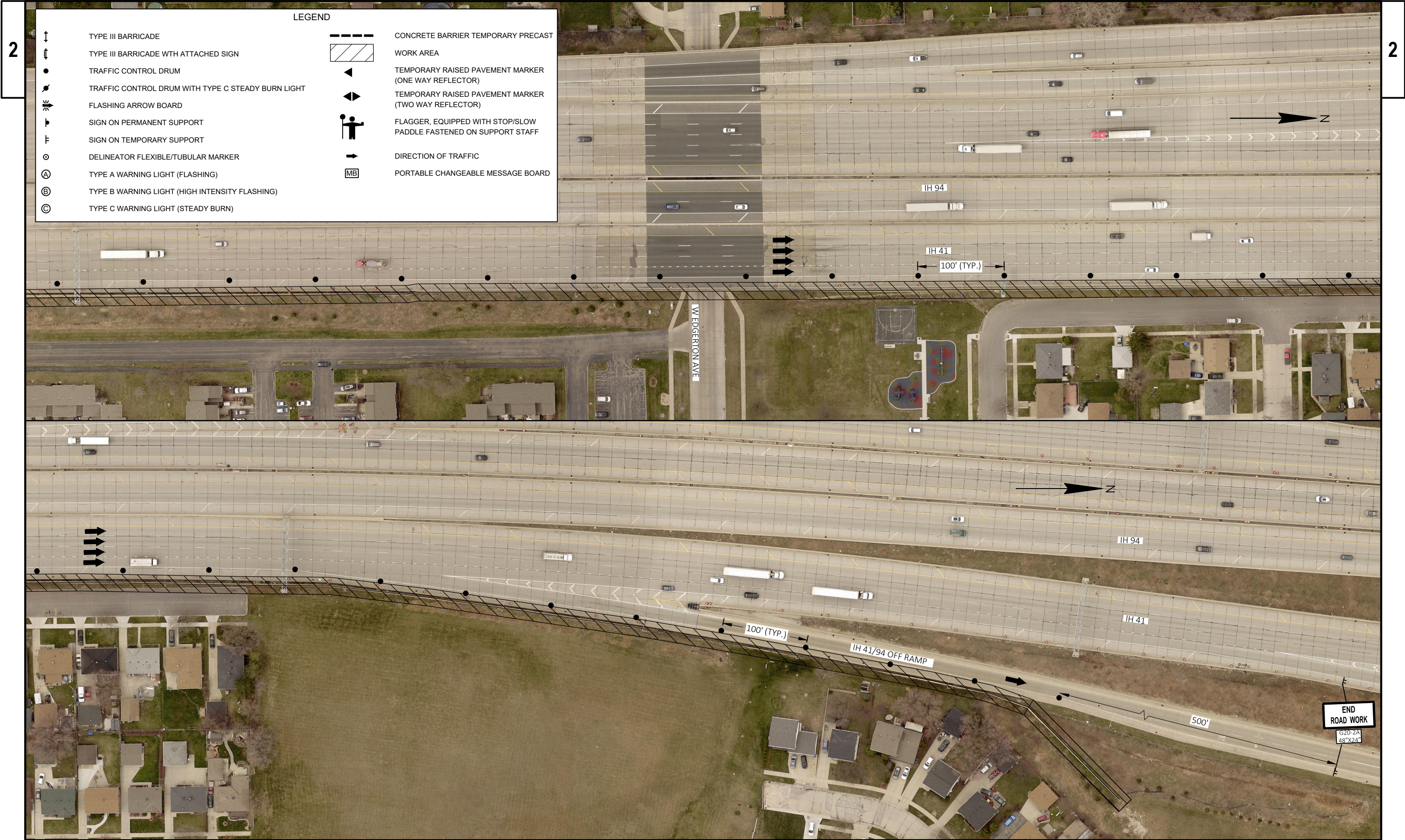


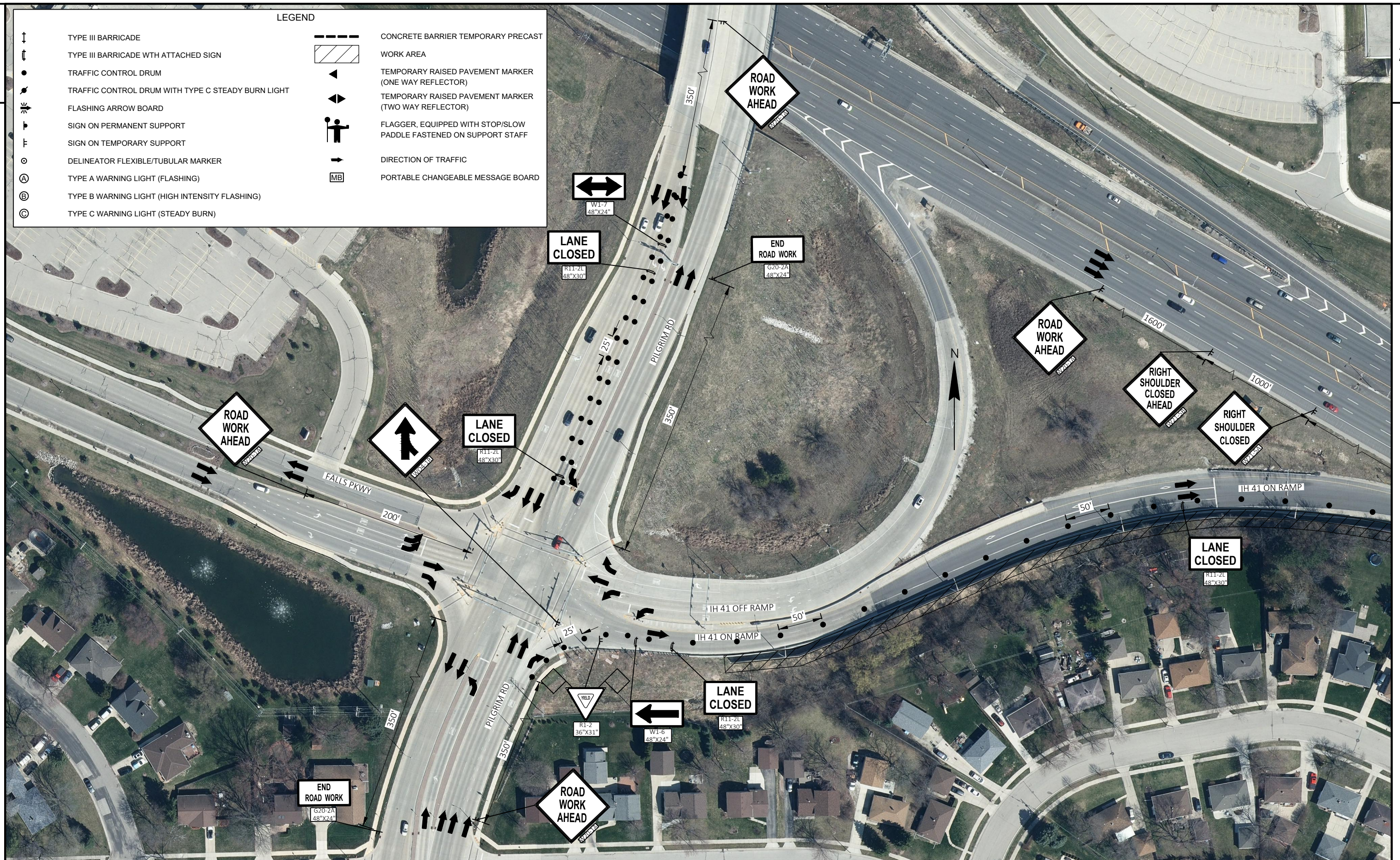
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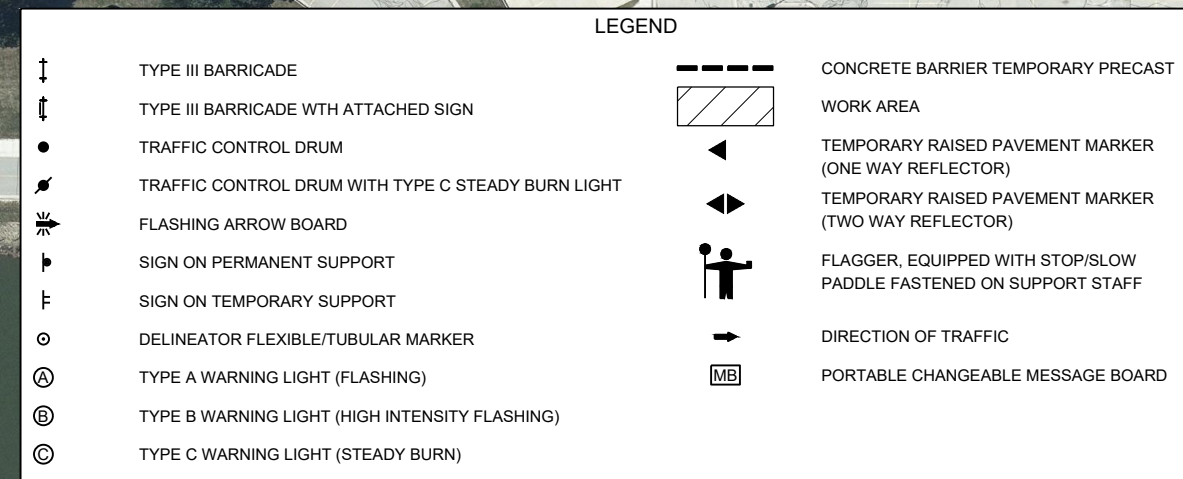


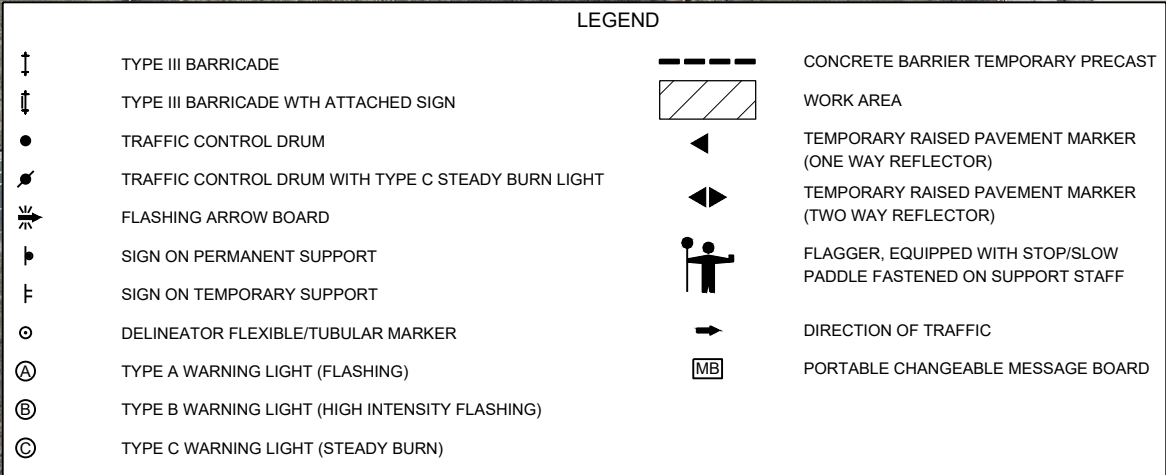












REMOVAL ITEMS

CATEGORY	LOCATION	201.0105	201.0205
		CLEARING	GRUBBING
		STA	STA
1000	N-40-006	31	31
1000	N-40-008	17	17
1000	N-40-017	13	13
1000	N-40-034	7	7
1000	N-40-040	19	19
1000	N-40-041	16	16
1000	N-67-001	26	26
1000	UNDISTRIBUTED	7	7
TOTALS		136	136

RESTORATION ITEMS

CATEGORY	LOCATION	204.0170	616.0204	616.0205	616.0206	616.0404	616.0405	616.0406	628.2004	629.0205	630.0130	630.0200	630.0500
		REMOVING FENCE	FENCE CHAIN LINK 4- FT	FENCE CHAIN LINK 5- FT	FENCE CHAIN LINK 6- FT	FENCE CHAIN LINK SALVAGED 4- FT	FENCE CHAIN LINK SALVAGED 5- FT	FENCE CHAIN LINK SALVAGED 6- FT	EROSION MAT CLASS I	FERTILIZER	SEEDING MIXTURE	SEEDING	SEED
		LF	LF	LF	LF	LF	LF	LF	TYPE B SY	TYPE A CWT	NO. 30 LB	TEMPORARY LB	WATER MGAL
1000	N-40-006	-	-	-	-	-	-	-	1,700	2	31	46	39
1000	N-40-008	-	-	-	-	-	-	-	910	1	17	25	21
1000	N-40-017	-	-	-	-	-	-	-	740	1	14	20	17
1000	N-40-033	-	-	-	-	-	-	-	320	1	6	9	8
1000	N-40-034	-	-	-	-	-	-	-	530	1	10	15	12
1000	N-40-040	-	-	-	-	-	-	-	700	1	13	19	16
1000	N-40-041	-	-	-	-	-	-	-	2,400	2	44	65	54
1000	N-40-042	-	-	-	-	-	-	-	700	1	13	19	16
1000	N-40-043	-	-	-	-	-	-	-	440	1	8	12	10
1000	N-40-046	-	-	-	-	-	-	-	580	1	11	16	13
1000	N-40-047	-	-	-	-	-	-	-	330	1	6	9	8
1000	N-40-078	-	-	-	-	-	-	-	570	1	11	16	13
1000	N-67-001	-	-	-	-	-	-	-	1,400	1	26	38	32
1000	UNDISTRIBUTED	75	25	25	25	25	25	25	1,140	1	21	31	26
TOTALS		75	25	25	25	25	25	25	12,460	16	231	340	285

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EROSION CONTROL ITEMS

		628.1504	628.1520	628.7010	628.7504	628.7555
		SILT FENCE	SILT FENCE MAINTENANCE	INLET PROTECTION TYPE B	TEMPORARY DITCH CHECKS	CULVERT PIPE CHECKS
CATEGORY	LOCATION	LF	LF	EACH	LF	EACH
1000	UNDISTRIBUTED	650	650	39	65	13
TOTALS		650	650	39	65	13

3

EROSION CONTROL MOBILIZATION

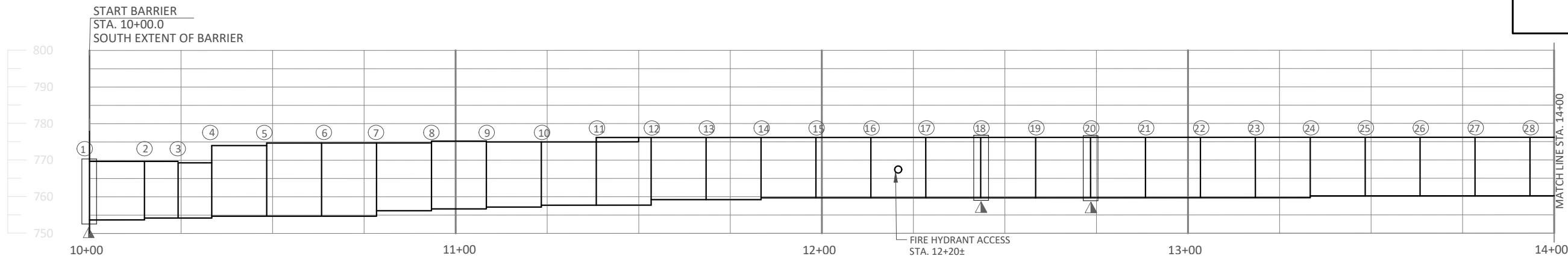
		628.1905	628.1910
		MOBILIZATIONS	MOBILIZATIONS
		EROSION	EROSION
		CONTROL	CONTROL
CATEGORY	LOCATION	EACH	EACH
1000	PROJECT	5	2
TOTALS		5	2

TRAFFIC CONTROL

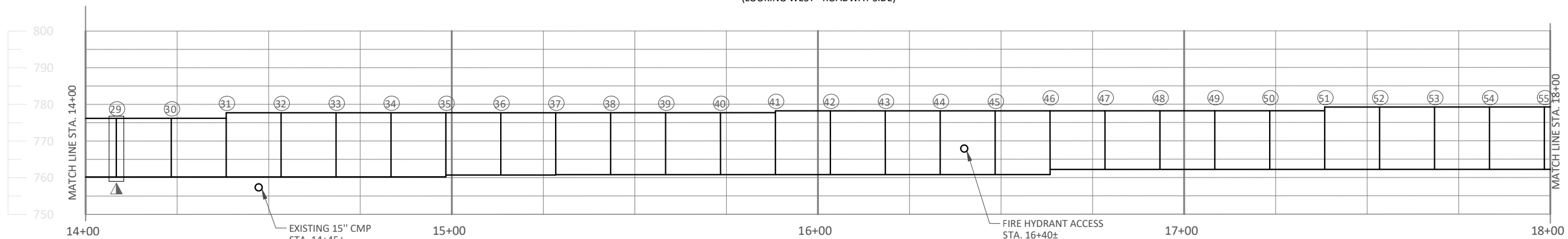
		213.0100	619.1000	643.5000
		FINISHING		
		ROADWAY		TRAFFIC
		(project)	MOBILIZATION	CONTROL
		(1060-53-70)		
CATEGORY	LOCATION	EACH	EACH	EACH
1000	PROJECT	1	1	1
TOTAL		1	1	1

		TRAFFIC CONTROL ITEMS																		
		643.0300		643.0420		643.0705		643.0715		643.0800		643.0900		643.1050		643.4100.S		SPV.0060.04	SPV.0060.05	SPV.0060.06
				TRAFFIC CONTROL BARRICADES TYPE III		TRAFFIC CONTROL WARNING LIGHTS TYPE A		TRAFFIC CONTROL WARNING LIGHTS TYPE C		TRAFFIC CONTROL ARROW BOARDS		TRAFFIC CONTROL SIGNS		TRAFFIC CONTROL SIGNS PCMS		TRAFFIC CONTROL INTERIM LANE CLOSURE		TRAFFIC CONTROL CLOSE-OPEN FREEWAY SERVICE RAMP	TRAFFIC CONTROL CLOSE-OPEN FREEWAY TO FREEWAY SYSTEM RAMP	TRAFFIC CONTROL LOCAL ROAD LANE CLOSURE
CATEGORY	LOCATION	DURATION (DAYS)	TRAFFIC CONTROL DRUMS		EACH**		DAY		EACH**		DAY		EACH**		DAY		EACH	EACH	EACH	EACH
1000	N-40-006	8	29	232	0	0	0	0	0	0	0	0	7	56	0	0	0	0	0	0
1000	N-40-008	4	53	212	8	32	16	64	0	0	0	0	14	56	1	3	0	4	0	0
1000	N-40-017	13	179	1,523	22	221	44	442	34	312	6	52	50	377	2	6	13	13	0	13
1000	N-40-017 MAINLINE	13	56	728	12	156	24	312	14	182	2	26	8	104	0	0	13	0	0	0
1000	N-40-017 RT LANE CLOSURE	7	57	399	5	35	10	70	10	70	2	14	21	147	1	3	0	7	0	7
1000	N-40-017 LT LANE CLOSURE	6	66	396	5	30	10	60	10	60	2	12	21	126	1	3	0	6	0	6
1000	N-40-033	6	48	288	9	54	18	108	0	0	0	0	13	78	1	3	0	6	0	3
10000	N-40-034	8	21	168	0	0	0	0	0	0	0	0	6	48	0	0	0	0	0	0
1000	N-40-040	10	28	280	0	0	0	0	0	0	0	0	4	40	0	0	0	0	0	0
1000	N-40-041	14	104	1,456	6	84	12	168	0	0	0	0	15	210	1	3	0	5	0	0
1000	N-40-042***	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	N-40-043	11	32	352	0	0	0	0	0	0	0	0	8	88	0	0	0	0	0	0
1000	N-40-046	7	53	371	0	0	0	0	0	0	0	0	6	42	0	0	0	0	0	0
1000	N-40-047	7	54	378	0	0	0	0	0	0	0	0	5	35	0	0	0	0	0	0
1000	N-40-078	2	43	86	0	0	0	0	0	0	0	0	8	16	0	0	0	0	0	0
1000	N-67-001	9	74	666	6	54	12	108	0	0	0	0	15	135	0	0	5	0	0	10
1000	UNDISTRIBUTED			602		45		90		32		6		119		0	0	0	0	0
TOTALS			6,614		490		532		344		58		496		6		13	13	0	13

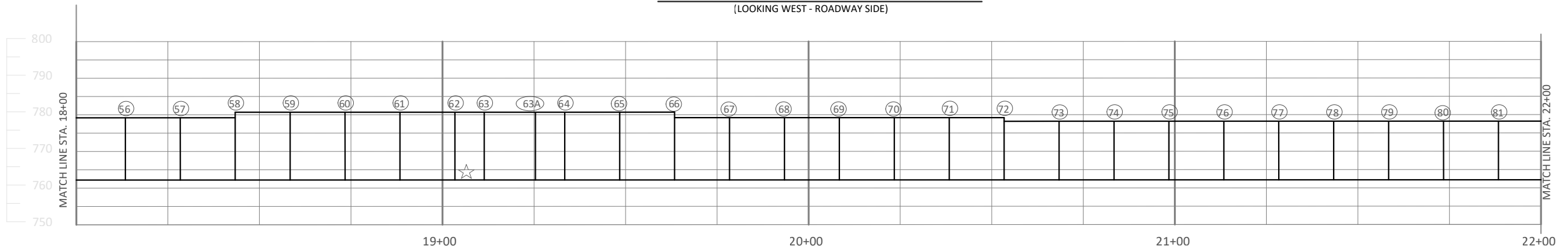
** FOR INFORMATION ONLY
*** TC ITEMS FOR NOISE WALLS N-40-041 AND N-40-042 COMBINED UNDER N-40-041 DUE TO PROXIMITY OF THE NOISE WALLS

**GROUND MOUNTED NOISE BARRIER**

(LOOKING WEST - ROADWAY SIDE)

**GROUND MOUNTED NOISE BARRIER**

(LOOKING WEST - ROADWAY SIDE)

**PANEL REPLACEMENT SEQUENCE****1. LOCATE DAMAGED SOUND PANEL**

2. REMOVE AND SALVAGE EXISTING UNDAMAGED PANELS FROM THE STRUCTURAL SUPPORT POSTS BY LIFTING THEM OUT. COST TO REMOVE, STORE, AND REINSTALL THE SOUND PANELS IS INCLUDED IN THE BID ITEM "REMOVING AND REINSTALLING SOUND PANELS". ANY DAMAGE TO THE UNDAMAGED PANELS CAUSED BY THE CONTRACTOR DURING REMOVAL, STORAGE OR REINSTALLING THE PANELS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.

3. REPLACE IDENTIFIED DAMAGED PANEL, BID ITEM "NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-40-6".

GROUND MOUNTED NOISE BARRIER

(LOOKING WEST - ROADWAY SIDE)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ORIGINAL CONSTRUCTION YEAR IS 2000.

CLEAN RUSTED AREAS OF STRUCTURAL SUPPORT POST (LOCATED ON PLAN AND AS DIRECTED BY FIELD ENGINEER) TO BARE METAL AS PER BID ITEM "STRUCTURE OVERCOAT CLEANING AND PRIMING N-40-6". APPLY PRIMER AND INTERMEDIATE COATS TO THE AREA.

OVERCOAT PAINT ALL OF THE STRUCTURAL SUPPORT POSTS AND BRACKETS. PAINT SHALL BE BROWN, SHERMAN WILLIAMS CHAPS B SW2180.

- ☆ - PANEL SUPPORT REPAIR
- ▲ - REMOVE RUST AND RE-PAINT ON RAMP SIDE
- - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- - SUPPORT POST (NUMBERED SOUTH TO NORTH)

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION 1
2. GENERAL PLAN & ELEVATION 2
3. GENERAL PLAN & ELEVATION 3



DESIGN CONSULTANT

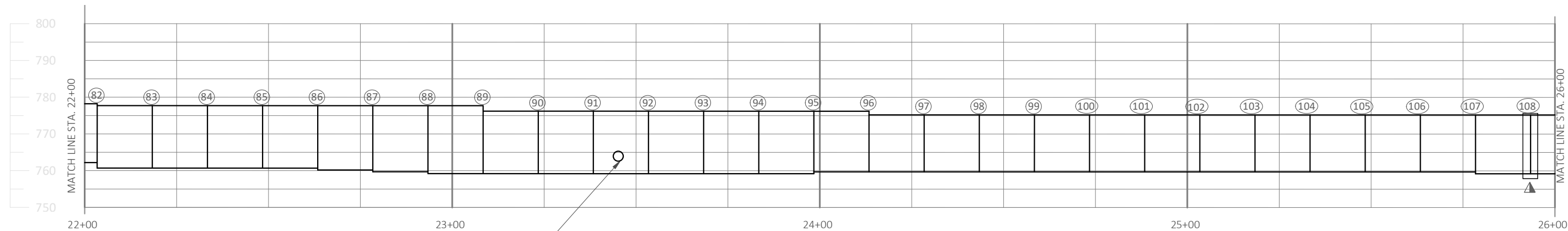
TOM ROMENESKO, PE
(608) 566-1370

BRIDGE OFFICE CONTACT

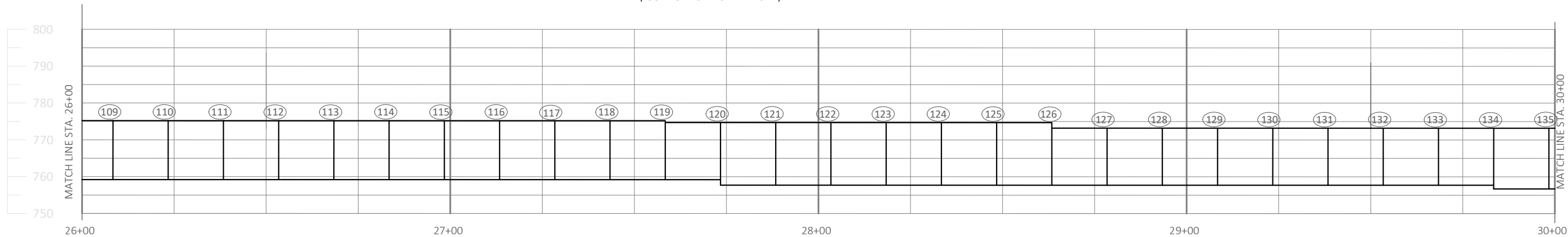
AARON BONK, PE
(608) 261-0261

TOTAL ESTIMATED QUANTITIES			
ITEM NUMBER	BID ITEM	UNIT	TOTAL
202.0105	ROADSIDE CLEARING	STA	1
517.3001.S.01	STRUCTURE OVERCOATING CLEANING AND PRIMING N-40-6	LS	1
517.4001.S.01	CONTAINMENT AND COLLECTION OF WASTE MATERIAL N-40-6	LS	1
541.0300.S.01	NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-40-6	SF	104
637.2210	SIGNS TYPE II REFLECTIVE H	SF	10
SPV.0060.02	REMOVING AND REINSTALLING SOUND PANELS	EA	1

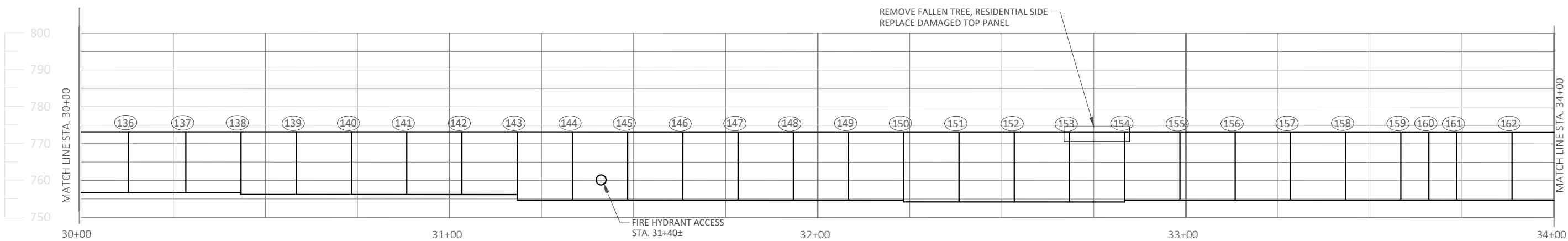
NO.	DATE	REVISION	BY
 www.daarcorp.com Milwaukee, WI 53202 414-225-9817			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED		CHIEF STRUCTURES DESIGN ENGINEER	DATE
STRUCTURE N-40-06			
NOISE BARRIER, 0.11 MILE S. JCT W. COLLEGE AVE.			
COUNTY MILWAUKEE		TOWN/CITY/VILLAGE MILWAUKEE	
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS			
DESIGNED BY	MC	DESIGN CK'D.	TR
DRAWN BY	MC	PLANS CK'D.	TR
GENERAL PLAN & ELEVATION 1			SHEET 1 OF 3 PRE_38

**GROUND MOUNTED NOISE BARRIER**

(LOOKING WEST - ROADWAY SIDE)

**GROUND MOUNTED NOISE BARRIER**

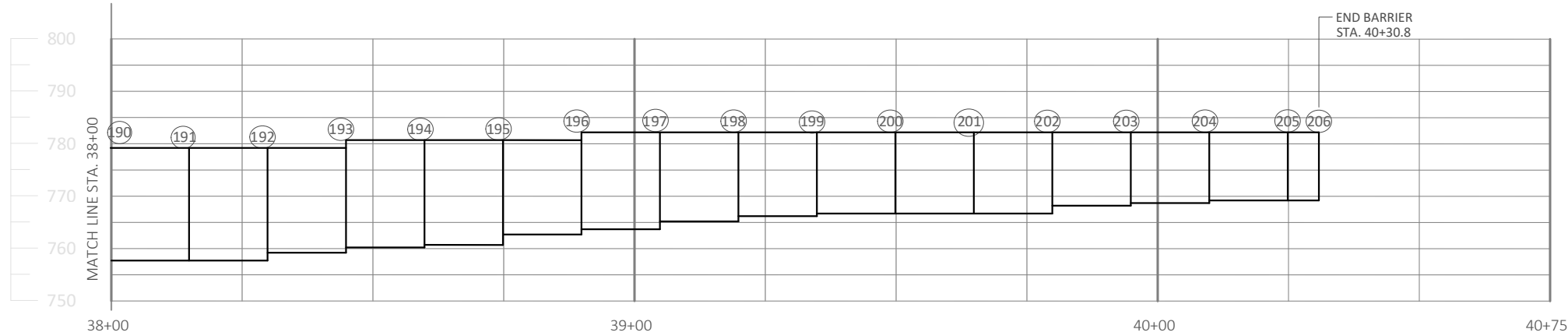
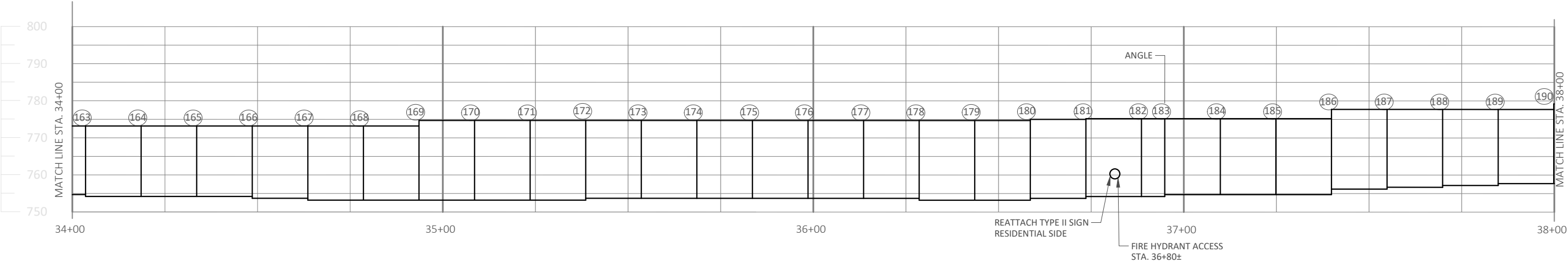
(LOOKING WEST - ROADWAY SIDE)

**GROUND MOUNTED NOISE BARRIER**

(LOOKING WEST - ROADWAY SIDE)

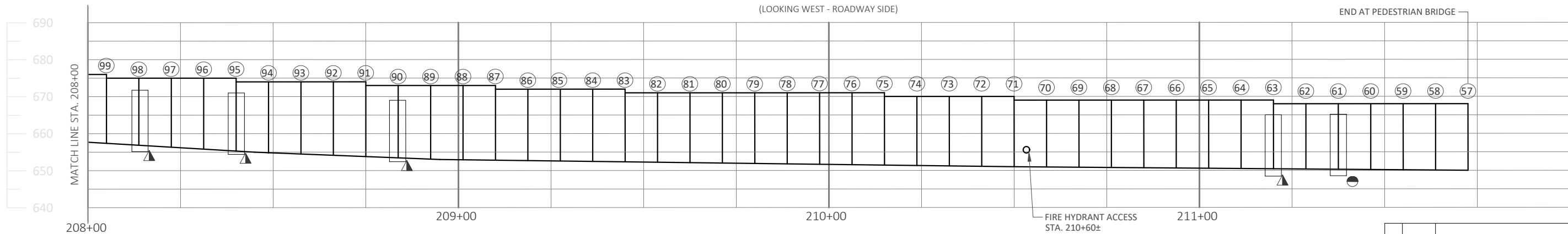
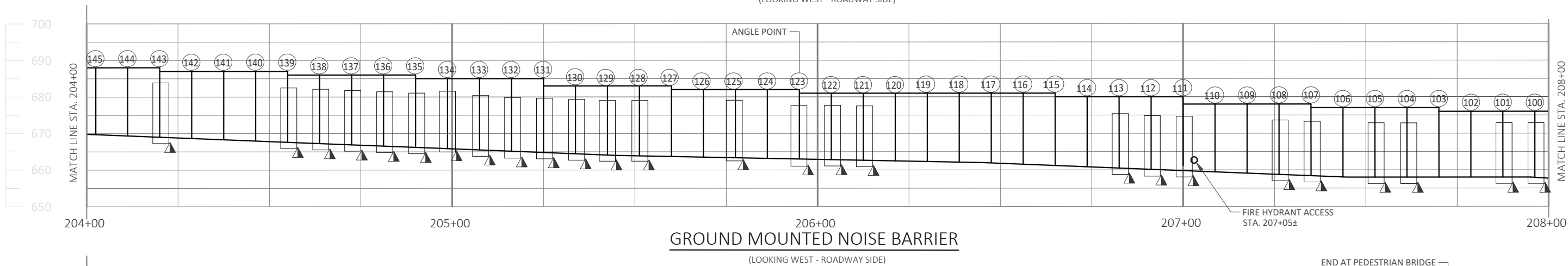
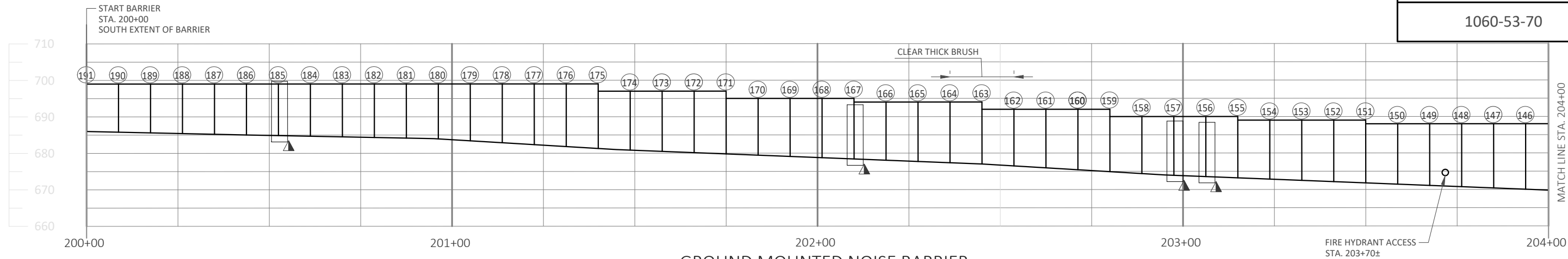
- ☆ - PANEL SUPPORT REPAIR
- ▲ - REMOVE RUST AND RE-PAINT ON RAMP SIDE
- - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- - SUPPORT POST (NUMBERED SOUTH TO NORTH)

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE N-40-06			
DRAWN BY		MC	PLANS CK'D. TR
GENERAL PLAN & ELEVATION 2		SHEET 2 OF 3 PRE_39	



- ☆ - PANEL SUPPORT REPAIR
- ▲ - REMOVE RUST AND RE-PAINT ON RAMP SIDE
- - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- - SUPPORT POST (NUMBERED SOUTH TO NORTH)

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE N-40-06			
DRAWN BY		MC	PLANS CK'D. TR
GENERAL PLAN & ELEVATION 3		SHEET 3 OF 3 PRE_40	



GROUND MOUNTED NOISE BARRIER

(LOOKING WEST - ROADWAY SIDE)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ORIGINAL CONSTRUCTION YEAR IS 1988.

CONCRETE SURFACE REPAIR ON STRUCTURAL SUPPORT POSTS LOCATED ON PLAN AND AS DIRECTED BY FILED ENGINEER.

☆ - PROTECTIVE COATING CLEAR TO BE APPLIED TO POSTS WITH CONCRETE SURFACE REPAIR.

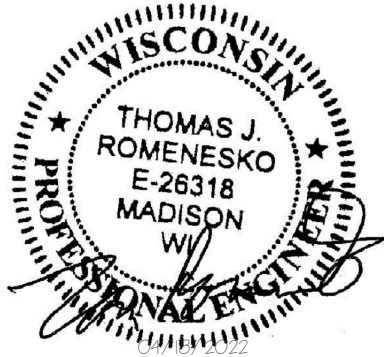
▲ - CONCRETE SURFACE REPAIR ON ROADSIDE

● - CONCRETE SURFACE REPAIR ON RESIDENTIAL SIDE

○ - SUPPORT POST (NUMBERED NORTH TO SOUTH)

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION 1
2. GENERAL PLAN & ELEVATION 2



DESIGN CONSULTANT

TOM ROMENESKO, PE
(608) 566-1370

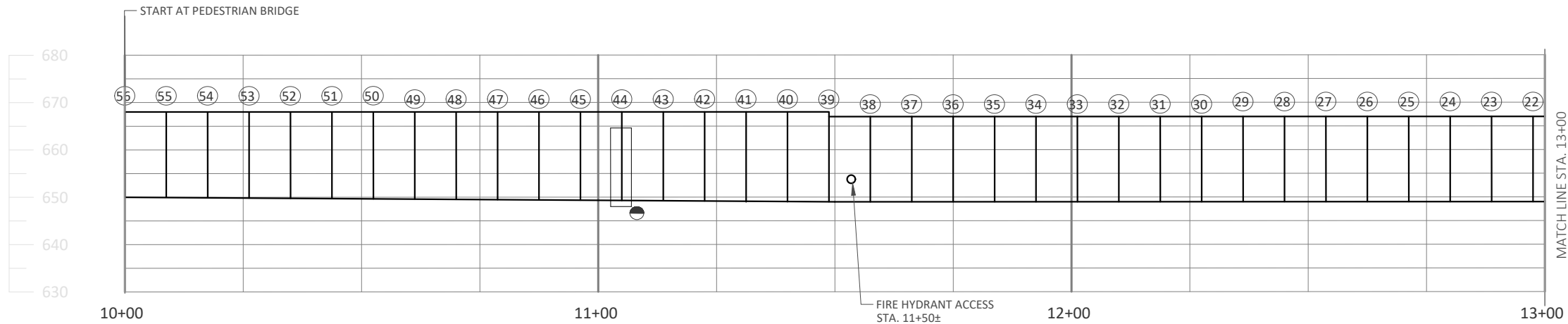
BRIDGE OFFICE CONTACT

AARON BONK, PE
(608) 261-0261

TOTAL ESTIMATED QUANTITIES			
ITEM NUMBER	BID ITEM	UNIT	TOTAL
202.0105	ROADSIDE CLEARING	STA	2
502.6500	PROTECTIVE COATING CLEAR	GAL	9
509.1500	CONCRETE SURFACE REPAIR	SF	150

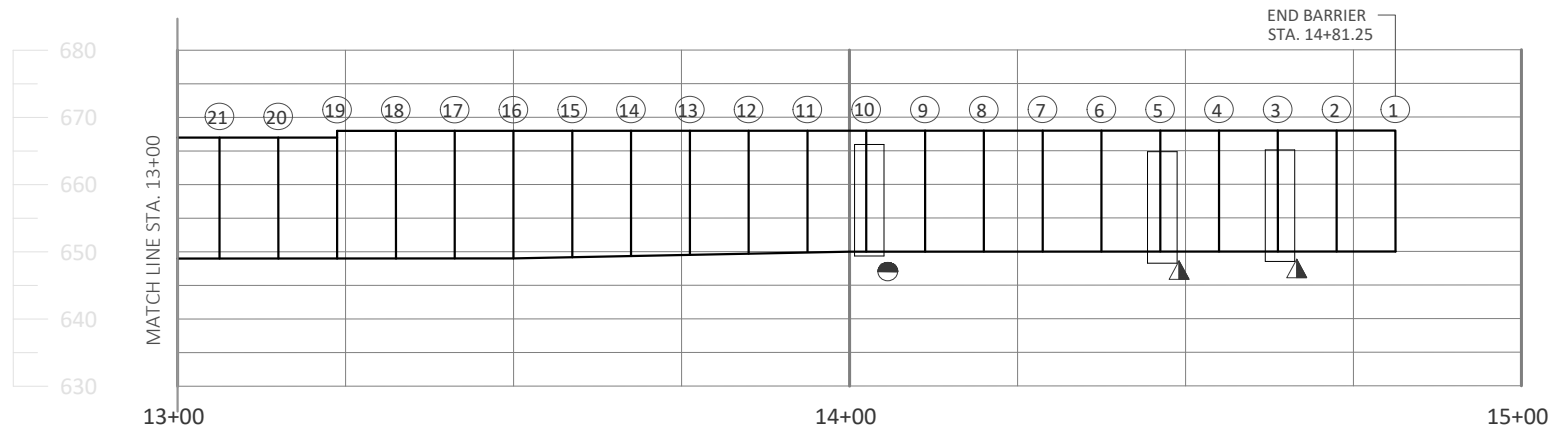
☆

NO.	DATE	REVISION	BY
 www.daarcorp.com Milwaukee, WI 53202 414-225-9817			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED		CHIEF STRUCTURES DESIGN ENGINEER	DATE
STRUCTURE N-40-08			
NOISE WALL ON IH 43 SB ON RAMP, 0.09 MILE S. JCT W. MORGAN AVE.			
COUNTY	WAUKESHA	TOWN/CITY/VILLAGE	VERNON
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS			
DESIGNED BY	MC	DESIGN CK'D.	TR
DRAWN BY	MC	PLANS CK'D.	TR
GENERAL PLAN & ELEVATION 1			SHEET 1 OF 2 PRE_41



GROUND MOUNTED NOISE BARRIER

(LOOKING WEST- ROADWAY SIDE)
(ALONG ON RAMP AT 6TH ST)

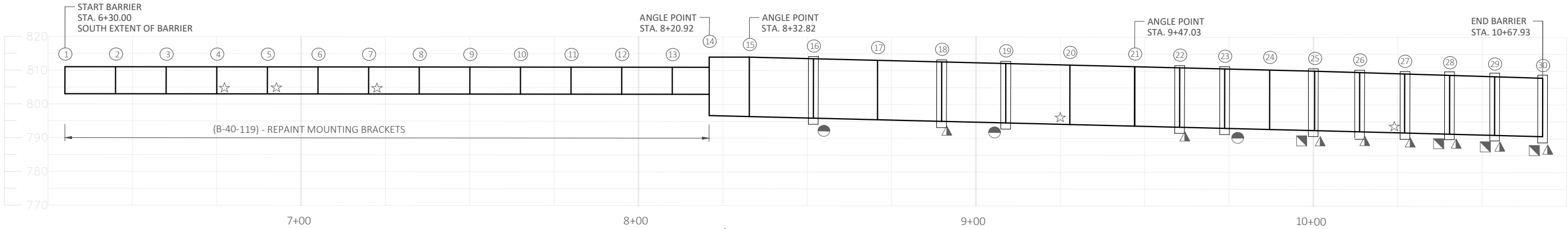


GROUND MOUNTED NOISE BARRIER

(LOOKING WEST- ROADWAY SIDE)
(ALONG ON RAMP AT 6TH ST)

- ☆ - PROTECTIVE COATING CLEAR TO BE APPLIED TO POSTS WITH CONCRETE SURFACE REPAIR.
- ▲ - ROADSIDE CONCRETE SURFACE REPAIR ON ROADSIDE
- - CONCRETE SURFACE REPAIR ON RESIDENTIAL SIDE
- - SUPPORT POST (NUMBERED NORTH TO SOUTH)

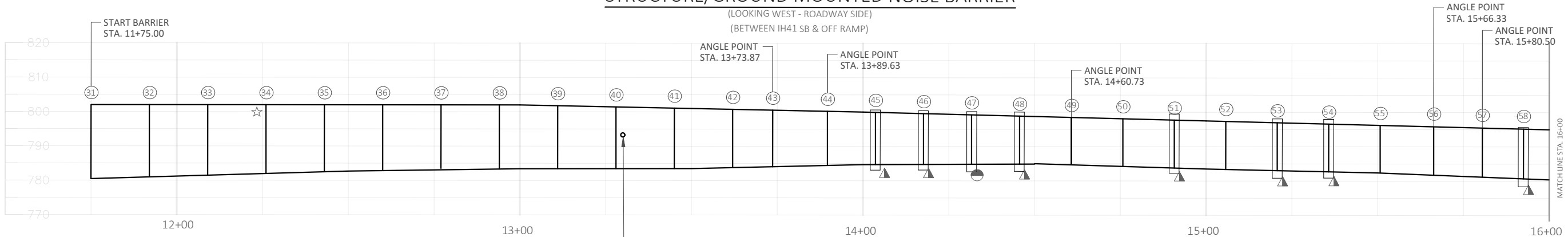
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE N-40-08			
DRAWN BY		MC	PLANS CK'D. TR
GENERAL PLAN & ELEVATION 2		SHEET 2 OF 2 PRE_42	



STRUCTURE/GROUND MOUNTED NOISE BARRIER

(LOOKING WEST - ROADWAY SIDE)

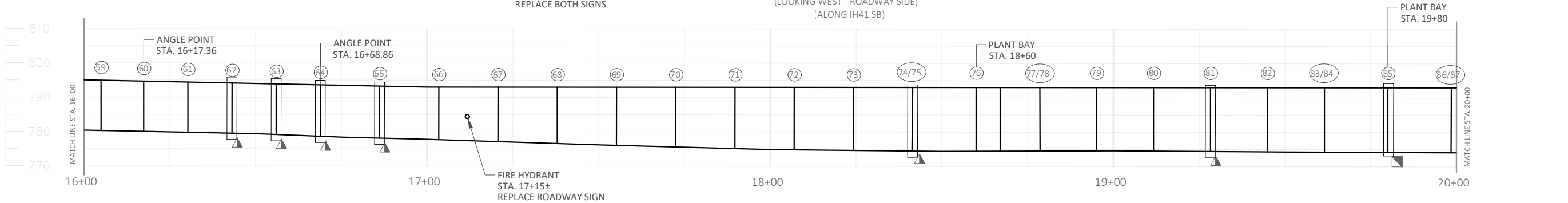
(BETWEEN IH41 SB & OFF RAMP)



GROUND MOUNTED NOISE BARRIER

(LOOKING WEST - ROADWAY SIDE)

(ALONG IH41 SB)



GROUND MOUNTED NOISE BARRIER

(LOOKING WEST - ROADWAY SIDE)

- - SUPPORT POST (NUMBERED SOUTH TO NORTH)
- ▲ - CONCRETE SURFACE REPAIR ON ROADSIDE.
- - CONCRETE SURFACE REPAIR ON RESIDENTIAL SIDE.
- - REPLACE POST
- ☆ - PANEL SUPPORT REPAIR

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ORIGINAL CONSTRUCTION YEAR IS 1994.

CLEAN RUSTED AREAS OF STRUCTURAL SUPPORT POST (LOCATED ON PLAN AND AS DIRECTED BY FIELD ENGINEER) TO BARE METAL AS PER BID ITEM "STRUCTURE OVERCOAT CLEANING AND PRIMING N-40-17". APPLY PRIMER AND INTERMEDIATE COATS TO THE AREA.

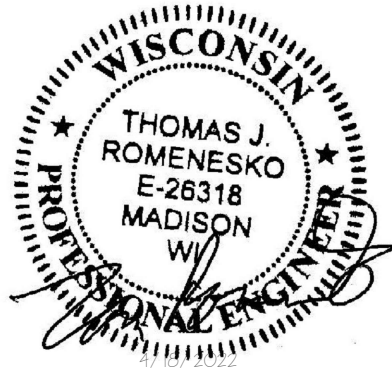
OVERCOAT PAINT THE STRUCTURAL SUPPORT POSTS AND BRACKETS LOCATED ON THE PLANS AND AS DIRECTED BY FIELD ENGINEER. PAINT SHALL BE BROWN, AMS STANDARD COLOR NO. 20170.

PROTECTIVE COATING CLEAR TO BE APPLIED TO POSTS WITH CONCRETE SURFACE REPAIR, REPLACED POSTS AND POST 14-30.

PANELS ON STRUCTURE MOUNTED WALL SHALL BE REMOVED AND REPLACED TO FACILITATE PAINTING OF MOUNTING BRACKETS.

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION 1
2. GENERAL PLAN & ELEVATION 2



DESIGN CONSULTANT

TOM ROMENESKO, PE
(608) 566-1370

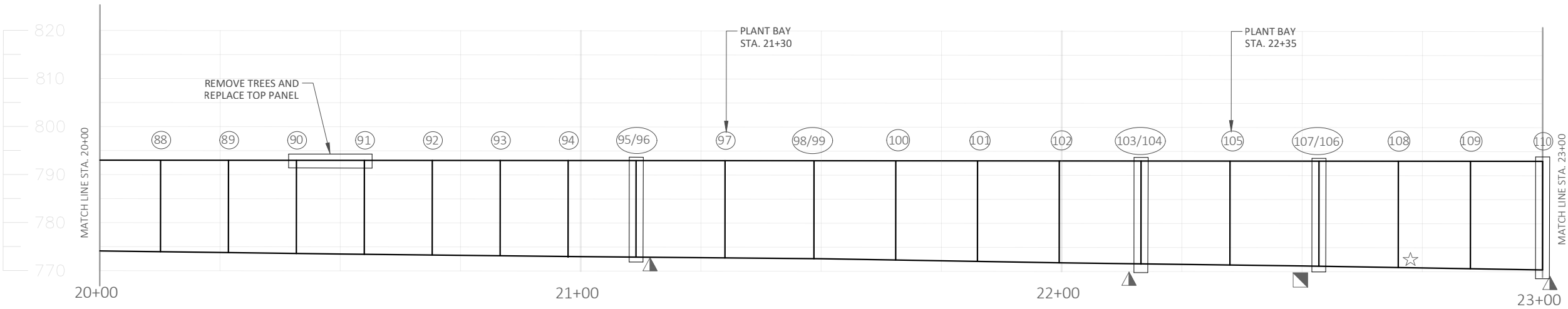
BRIDGE OFFICE CONTACT

AARON BONK, PE
(608) 261-0261

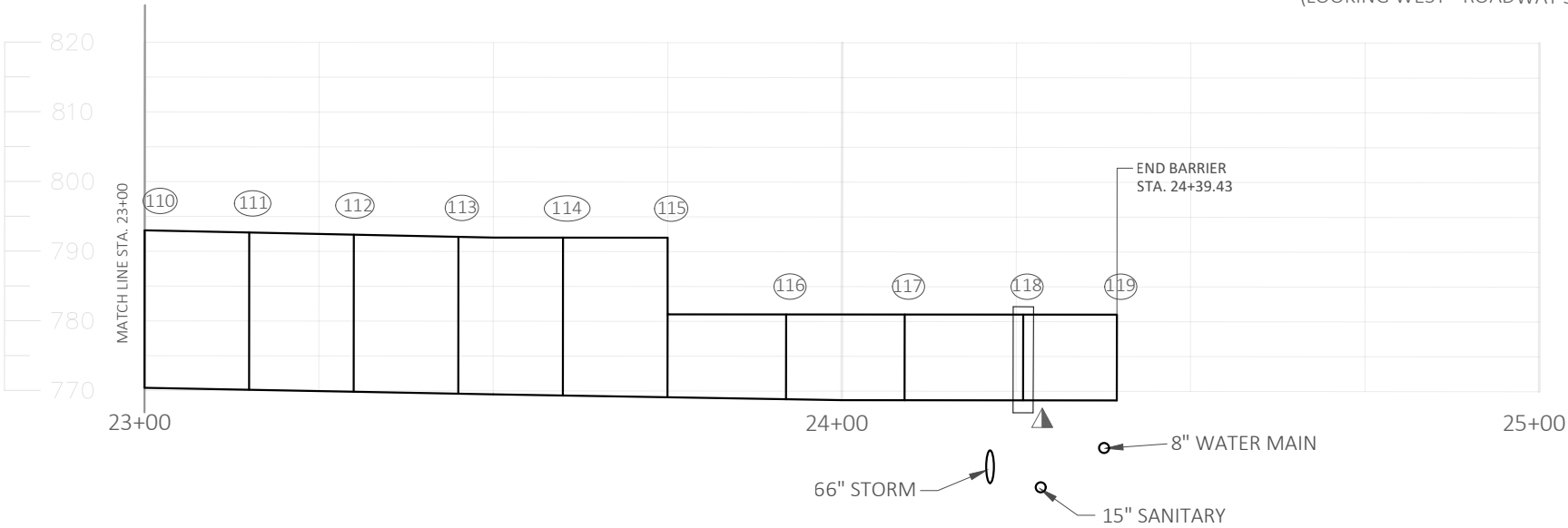
TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
502.6500	PROTECTIVE COATING CLEAR	GAL	25
509.1500	CONCRETE SURFACE REPAIR	SF	175
517.3001.S.02	STRUCTURE OVERCOATING CLEANING AND PRIMING N-40-17	LS	1
517.4001.S.02	CONTAINMENT AND COLLECTION OF WASTE MATERIAL N-40-17	LS	1
541.0300.S.02	NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-40-17	SF	190
637.2210	SIGNS TYPE II REFLECTIVE H	SF	15
SPV.0060.01	PRECAST SOUND BARRIER PANEL SUPPORT REPAIR	EA	6
SPV.0060.02	REMOVING AND REINSTALLING SOUND PANELS	EA	6
SPV.0060.03	PRECAST NOISE BARRIER SUPPORT POST REPLACEMENT	EA	5

NO.	DATE	REVISION	BY
 www.daarcorp.com Milwaukee, WI 53202 414-225-9817			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED		CHIEF STRUCTURES DESIGN ENGINEER	DATE
STRUCTURE N-40-17			
NOISE WALL ON USH 45, 2.1 MILE E JCT STH 59			
COUNTY MILWAUKEE		TOWN/CITY/VILLAGE WEST ALLIS	
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS			
DESIGNED BY MC	DESIGN CK'D. TR	DRAWN BY MC	PLANS CK'D. TR
GENERAL PLAN & ELEVATION 1			SHEET 1 OF 2 PRE_43



GROUND MOUNTED NOISE BARRIER
(LOOKING WEST - ROADWAY SIDE)

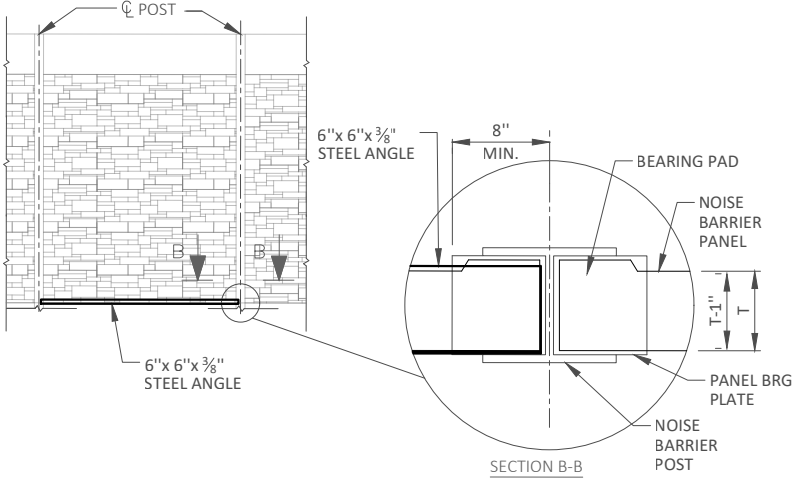


GROUND MOUNTED NOISE BARRIER
(LOOKING WEST - ROADWAY SIDE)

PANEL SUPPORT REPAIR SEQUENCE

1. LOCATE SOUND PANELS THAT HAVE SETTLED PAST THE EXISTING SUPPORT BRACKETS.
2. REMOVE AND SALVAGE EXISTING UNDAMAGED PANELS FROM THE STRUCTURAL SUPPORT POSTS BY LIFTING THEM OUT. COST TO REMOVE, STORE, AND REINSTALL THE SOUND PANELS IS INCLUDED IN THE BID ITEM "REMOVING AND REINSTALLING SOUND PANELS". ANY DAMAGE TO THE SOUND PANELS CAUSED BY THE CONTRACTOR DURING REMOVAL, STORAGE OR REINSTALLING THE PANELS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT
3. REPAIR SOUND BARRIER PANEL SUPPORT BRACKETS AS SHOWN IN DETAILS.
4. REINSTALL SALVAGED SOUND PANELS.

- - SUPPORT POST (NUMBERED SOUTH TO NORTH)
- ☆ - PANEL SUPPORT REPAIR
- ▲ - CONCRETE SURFACE REPAIR ON ROADSIDE
- ▣ - CONCRETE SURFACE REPAIR ON RESIDENTIAL SIDE
- - REPLACE POST



PANEL SUPPORT REPAIR DETAIL
(LOOKING EAST)

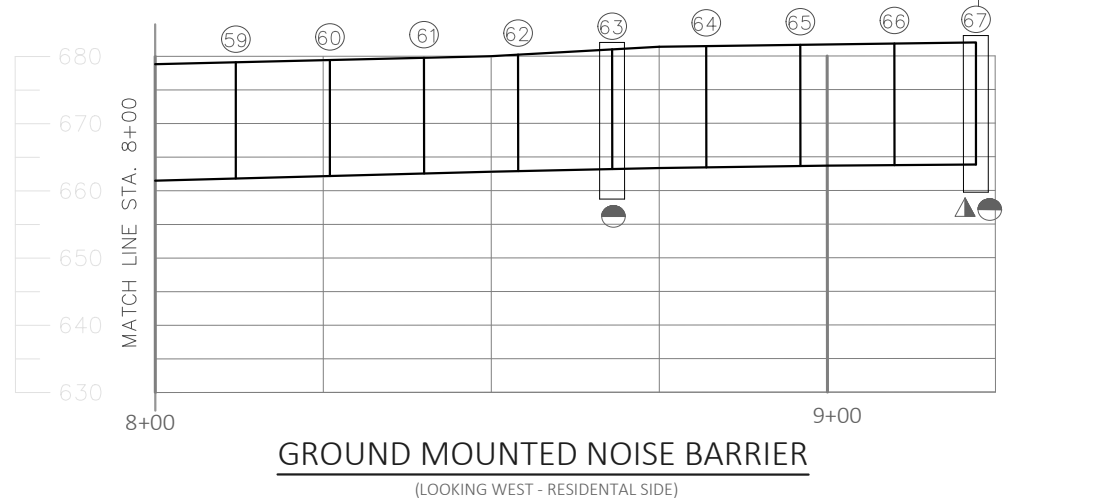
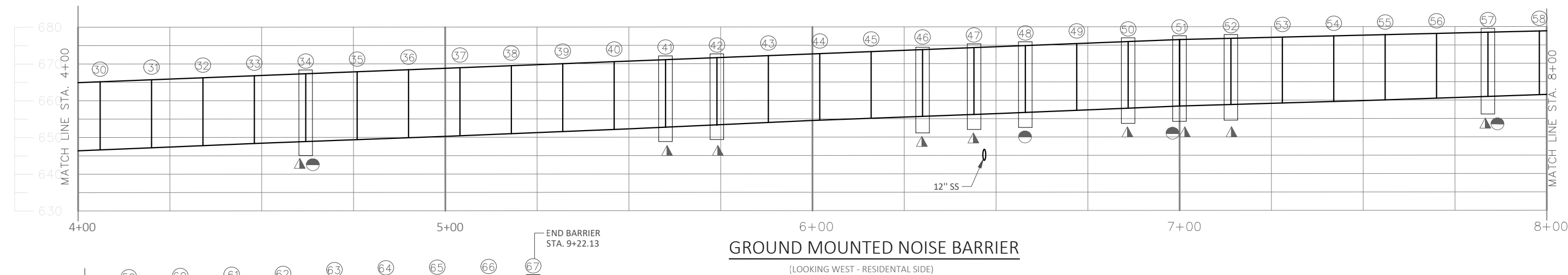
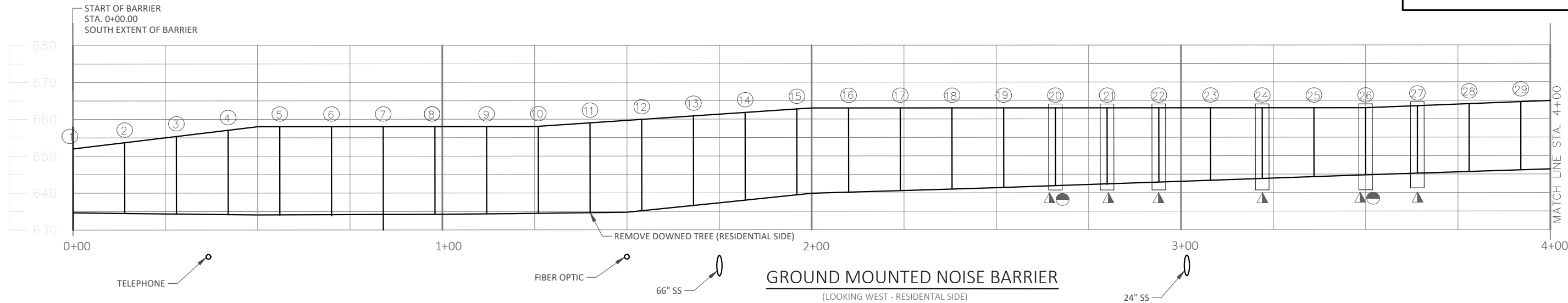
SUPPORT POST REPAIR SEQUENCE

1. LOCATE SUPPORT POSTS THAT REQUIRE REPLACEMENT. SEE PLANS FOR LOCATION AND AS DIRECTED BY THE ENGINEER.
2. REMOVE AND SALVAGE EXISTING UNDAMAGED PANELS FROM THE STRUCTURAL SUPPORT POSTS BY LIFTING THEM OUT. COST TO REMOVE, STORE, AND REINSTALL THE SOUND PANELS IS INCLUDED IN THE BID ITEM "REMOVING AND REINSTALLING SOUND PANELS". ANY DAMAGE TO THE SOUND PANELS CAUSED BY THE CONTRACTOR DURING REMOVAL, STORAGE, OR REINSTALLING THE PANELS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
3. REMOVE THE EXISTING CONCRETE POST AND CONCRETE FOUNDATION. MINIMIZE DISTURBANCE TO SURROUNDING SOILS.
4. FILL HOLE WITH "BACKFILL CONTROLLED LOW STRENGTH" TO THE EXISTING GROUNDLINE.
5. DRILL FOUNDATION FOR NEW POST AT LOCATION OF OLD POST.
6. INSTALL NEW POST AND POUR FOUNDATION.
7. REINSTALL SALVAGED SOUND PANELS.

PANEL REPLACEMENT SEQUENCE

1. LOCATE DAMAGED SOUND PANEL
2. REMOVE AND SALVAGE EXISTING UNDAMAGED PANELS FROM THE STRUCTURAL SUPPORT POSTS BY LIFTING THEM OUT. COST TO REMOVE, STORE, AND REINSTALL THE SOUND PANELS IS INCLUDED IN THE BID ITEM "REMOVING AND REINSTALLING SOUND PANELS". ANY DAMAGE TO THE UNDAMAGED PANELS CAUSED BY THE CONTRACTOR DURING REMOVAL, STORAGE OR REINSTALLING THE PANELS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
3. REPLACE IDENTIFIED DAMAGED PANEL, BID ITEM "NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-40-17".

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE N-40-17			
DRAWN BY		MC	PLANS CK'D. TR
GENERAL PLAN & ELEVATION 2		SHEET 2 OF 2 PRE_44	



GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ORIGINAL CONSTRUCTION YEAR IS 2001.

CLEAN RUSTED AREAS OF STRUCTURAL SUPPORT POST (LOCATED ON PLAN AND AS DIRECTED BY FIELD ENGINEER) TO BARE METAL AS PER BID ITEM "STRUCTURE OVERCOAT AND CLEANING AND PRIMING N-40-33". APPLY PRIMER AND INTERMEDIATE COATS TO THE AREA.

OVERCOAT PAINT THE STRUCTURAL SUPPORT POSTS AND BRACKETS LOCATED ON THE PLANS AND AS DIRECTED BY FIELD ENGINEER. PAINT SHALL BE BROWN, AMS STANDARD COLOR NO. 20170.

- ▲ - REMOVE RUST AND RE-PAINT ON RAMP SIDE
● - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION



DESIGN CONSULTANT

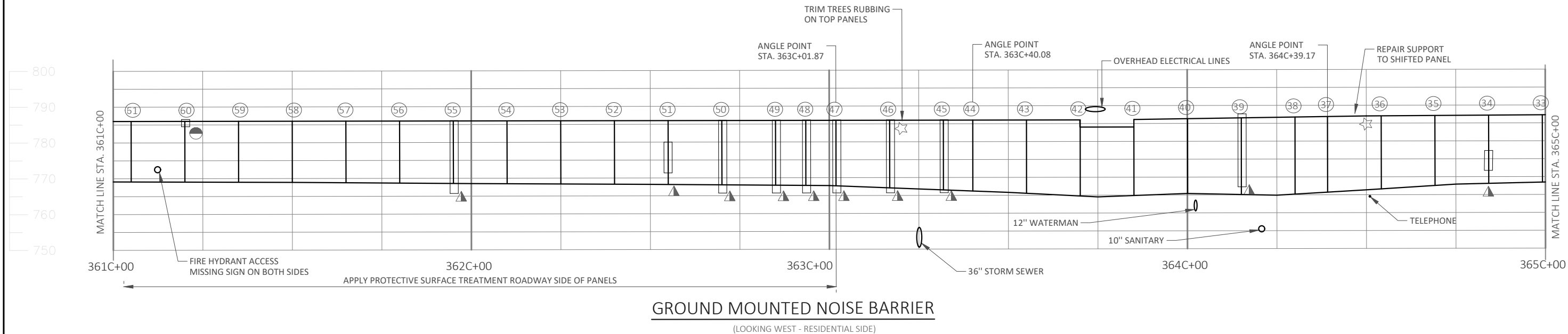
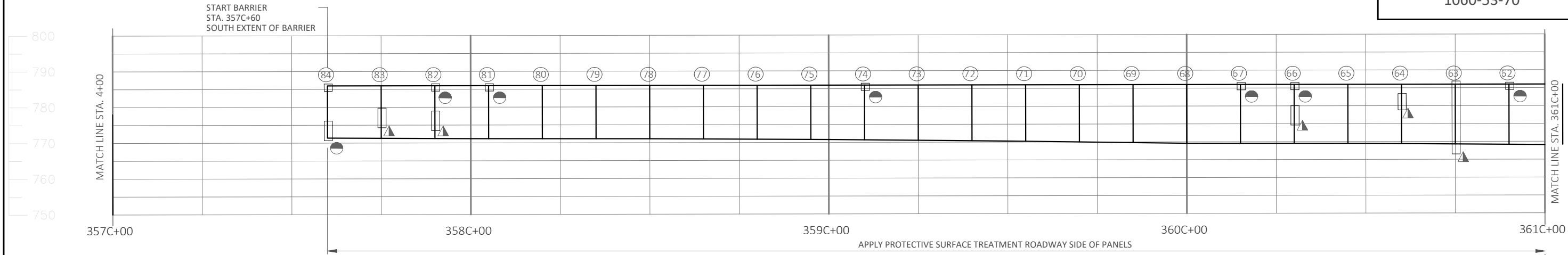
TOM ROMENESKO, PE
(608) 566-1370

BRIDGE OFFICE CONTACT

AARON BONK, PE
(608) 261-0261

NO.	DATE	REVISION	BY
 DAAR ENGINEERING, INC. www.daarcorp.com Milwaukee, WI 53202 414-225-9817			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED	CHIEF STRUCTURES DESIGN ENGINEER		DATE
STRUCTURE N-40-33			
NOISE WALL AT IH 43 NB ON RAMP JCT W. HOLT AVE			
COUNTY	MILWAUKEE	TOWN/CITY/VILLAGE	MILWAUKEE
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS			
DESIGNED BY	MC	DESIGN CK'D.	TR
DRAWN BY	MC	PLANS CK'D.	TR
GENERAL PLAN & ELEVATION		SHEET 1 OF 1 PRE_45	

TOTAL ESTIMATED QUANTITIES			
ITEM NUMBER	BID ITEM	UNIT	TOTAL
202.0105	ROADSIDE CLEARING	STA	1
517.3001.S.03	STRUCTURE OVERCOATING CLEANING AND PRIMING N-40-33	LS	1
517.4001.S.03	CONTAINMENT AND COLLECTION OF WASTE MATERIAL N-40-33	LS	1



- ☆ - PANEL SUPPORT REPAIR
- ▲ - REMOVE RUST AND RE-PAINT ON ROADWAY SIDE
- - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- - SUPPORT POST (NUMBERED NORTH TO SOUTH)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ORIGINAL CONSTRUCTION YEAR IS 2001.

CLEAN RUSTED AREAS OF STRUCTURAL SUPPORT POST (LOCATED ON PLAN AND AS DIRECTED BY FIELD ENGINEER) TO BARE METAL PER BID ITEM "STRUCTURE OVERCOAT CLEANING AND PRIMING N-40-34". APPLY PRIMER AND INTERMEDIATE COATS TO THE AREA.

OVERCOAT PAINT THE STRUCTURAL SUPPORT POSTS AND BRACKETS LOCATED ON THE PLANS AND AS DIRECTED BY FIELD ENGINEER. PAINT SHALL BE BROWN, AMS STANDARD COLOR NO. 20170 .

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO PANELS BETWEEN POSTS 47-84.

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION 1
2. GENERAL PLAN & ELEVATION 2



DESIGN CONSULTANT

TOM ROMENESKO, PE
(608) 566-1370

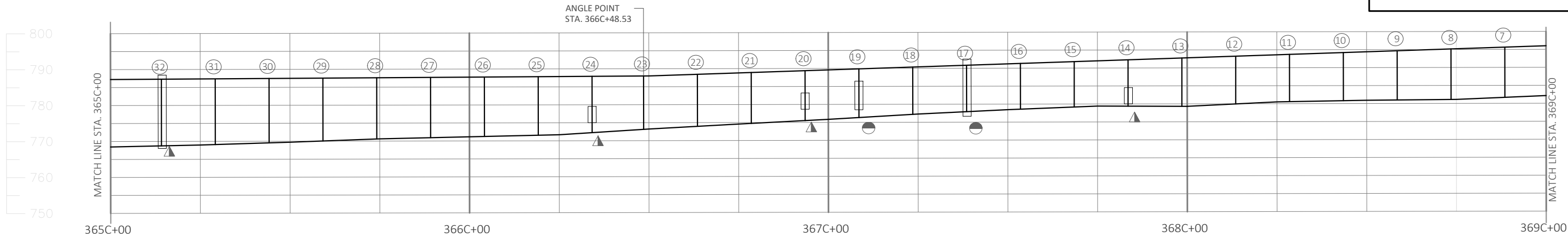
BRIDGE OFFICE CONTACT

AARON BONK, PE
(608) 261-0261

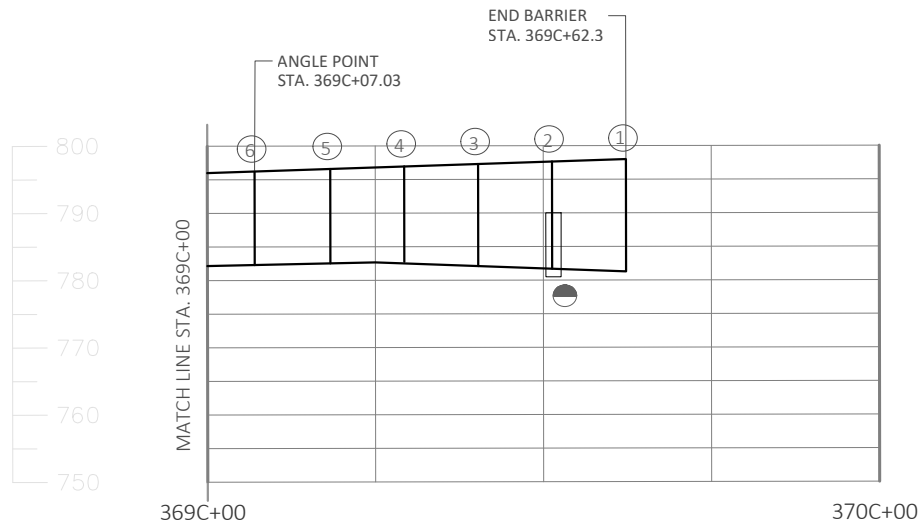
TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
202.0105	ROADSIDE CLEARING	STA	3
502.3200	PROTECTIVE SURFACE TREATMENT	SY	1,010
517.3001.S.04	STRUCTURE OVERCOATING CLEANING AND PRIMING N-40-34	LS	1
517.4001.S.04	CONTAINMENT AND COLLECTION OF WASTE MATERIAL N-40-34	LS	1
637.2210	SIGNS TYPE II REFLECTIVE H	SF	10
SPV.0060.01	PRECAST SOUND BARRIER PANEL SUPPORT REPAIR	EA	2
SPV.0060.02	REMOVING AND REINSTALLING SOUND PANELS	EA	2

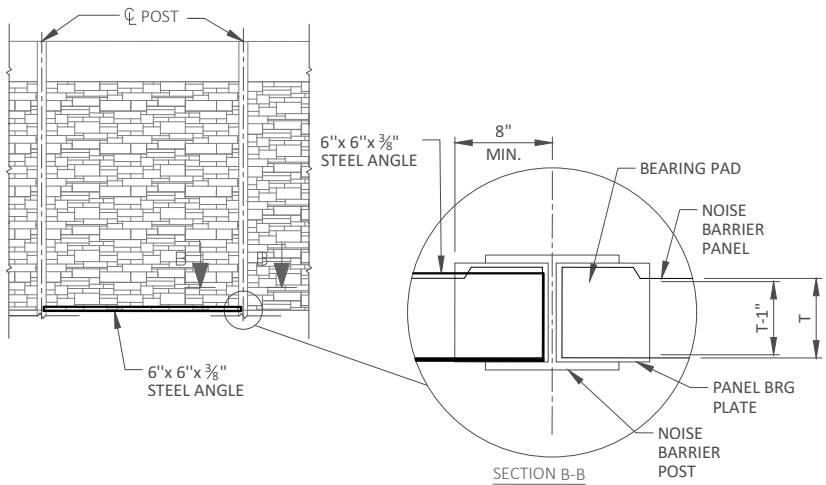
NO.		DATE		REVISION		BY	
		DAAR					
		ENGINEERING, INC.					
		www.daarcorp.com					
		Milwaukee, WI 53202					
				414-225-9817			
STATE OF WISCONSIN							
DEPARTMENT OF TRANSPORTATION							
ACCEPTED				_____		_____	
				CHIEF STRUCTURES DESIGN ENGINEER		DATE	
STRUCTURE N-40-34							
NOISE WALL ON USH 45 0.4 MI N JCT W. SILVER SPRING DR.							
COUNTY				TOWN/CITY/VILLAGE			
MILWAUKEE				MILWAUKEE			
DESIGN SPEC.							
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS							
DESIGNED		DESIGN		DRAWN		PLANS	
BY		CK'D.		BY		CK'D.	
MC		TR		MC		TR	
GENERAL PLAN & ELEVATION 1						SHEET 1 OF 2	
						PRE_46	



GROUND MOUNTED NOISE BARRIER
(LOOKING WEST - RESIDENTIAL SIDE)



GROUND MOUNTED NOISE BARRIER
(LOOKING WEST - RESIDENTIAL SIDE)



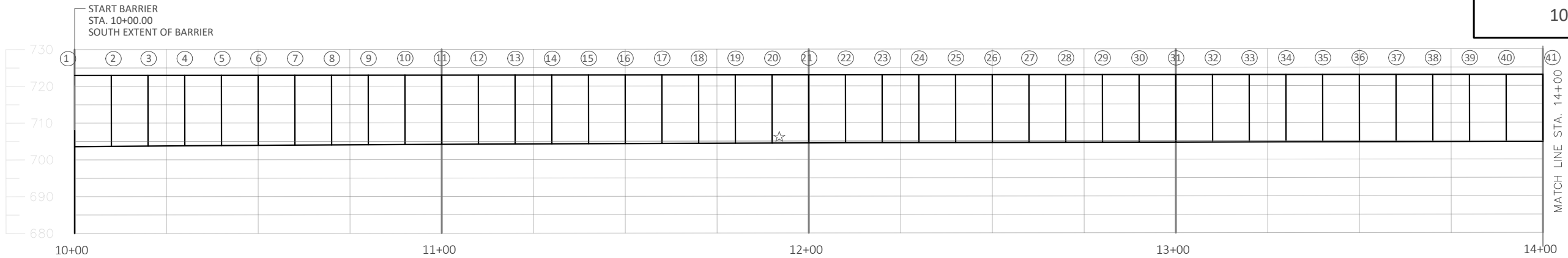
PANEL SUPPORT REPAIR DETAIL
(LOOKING EAST)

- ▲ - REMOVE RUST AND RE-PAINT ON ROADWAY SIDE
- - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- - SUPPORT POST (NUMBERED NORTH TO SOUTH)

PANEL SUPPORT REPAIR SEQUENCE

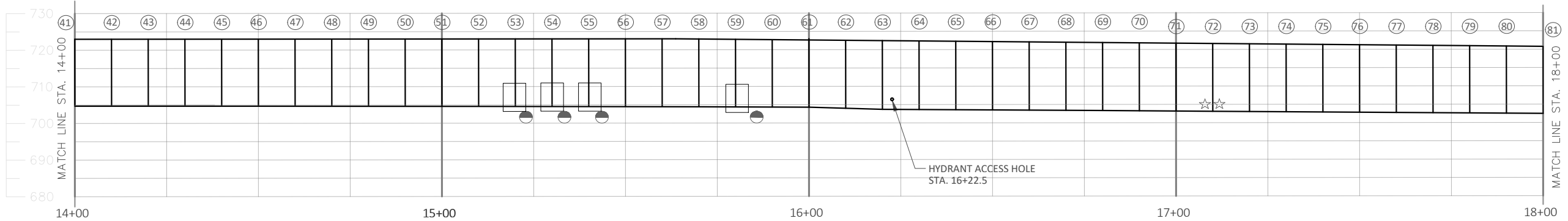
1. LOCATE SOUND PANELS THAT HAVE SETTLED PAST THE EXISTING SUPPORT BRACKETS.
2. REMOVE AND SALVAGE EXISTING UNDAMAGED PANELS FROM THE STRUCTURAL SUPPORT POSTS BY LIFTING THEM OUT. COST TO REMOVE, STORE, AND REINSTALL THE SOUND PANELS IS INCLUDED IN THE BID ITEM "REMOVING AND REINSTALLING SOUND PANELS". ANY DAMAGE TO THE SOUND PANELS CAUSED BY THE CONTRACTOR DURING REMOVAL, STORAGE OR REINSTALLING THE PANELS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
3. INSTALL SOUND BARRIER PANEL SUPPORT BRACKETS AS SHOWN IN DETAILS.
4. REINSTALL SALVAGED SOUND PANELS.

NO.	DATE	REVISION			BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION					
STRUCTURE N-40-34					
		DRAWN BY	MC	PLANS CK'D.	TR
GENERAL PLAN & ELEVATION 2				SHEET 2 OF 2 PRE_47	



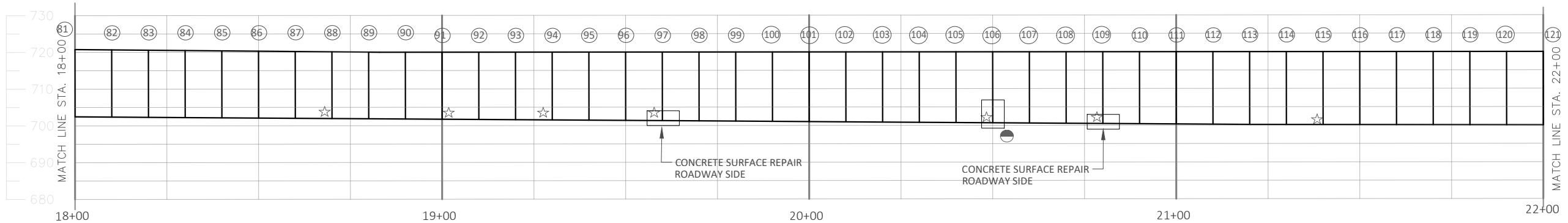
STRUCTURE MOUNTED NOISE BARRIER

(LOOKING WEST - RESIDENTIAL SIDE)



STRUCTURE MOUNTED NOISE BARRIER

(LOOKING WEST - RESIDENTIAL SIDE)



STRUCTURE MOUNTED NOISE BARRIER

(LOOKING WEST - RESIDENTIAL SIDE)

- ▲ - REMOVE RUST AND RE-PAINT ON ROADWAY SIDE
- - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- - SUPPORT POST (NUMBERED SOUTH TO NORTH)
- ☆ - PRECAST SOUND BARRIER PANEL SUPPORT REPAIR

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ORIGINAL CONSTRUCTION YEAR IS 2011.

CLEAN RUSTED AREAS OF STRUCTURAL SUPPORT POST (LOCATED ON PLAN AND AS DIRECTED BY FIELD ENGINEER) TO BARE METAL AS PER BID ITEM "STRUCTURE OVERCOAT CLEANING AND PRIMING N-40-40". APPLY PRIMER AND INTERMEDIATE COATS TO THE AREA.

OVERCOAT PAINT THE STRUCTURAL SUPPORT POSTS AND BRACKETS LOCATED ON THE PLANS AND AS DIRECTED BY FIELD ENGINEER. PAINT MATCH THE FEDERAL STANDARD COLOR NO. 20170.

LIST OF DRAWINGS:

- GENERAL PLAN & ELEVATION 1
- GENERAL PLAN & ELEVATION 2

TOTAL ESTIMATED QUANTITIES			
ITEM NUMBER	BID ITEM	UNIT	TOTAL
509.1500	CONCRETE SURFACE REPAIR	SF	8
517.3001.S.05	STRUCTURE OVERCOATING CLEANING AND PRIMING N-40-40	LS	1
517.4001.S.05	CONTAINMENT AND COLLECTION OF WASTE MATERIAL N-40-40	LS	1
637.2210	SIGNS TYPE II REFLECTIVE H	SF	5
SPV.0060.01	PRECAST SOUND BARRIER PANEL SUPPORT REPAIR	EA	10
SPV.0060.02	REMOVING AND REINSTALLING SOUND PANELS	EA	27

- - 60% OF RETAINING WALL MOUNTED SUPPORT POST STRAPS REQUIRE PAINTING
- ▲ - 40% OF RETAINING WALL MOUNTED SHELF ANGLES REQUIRE PAINTING

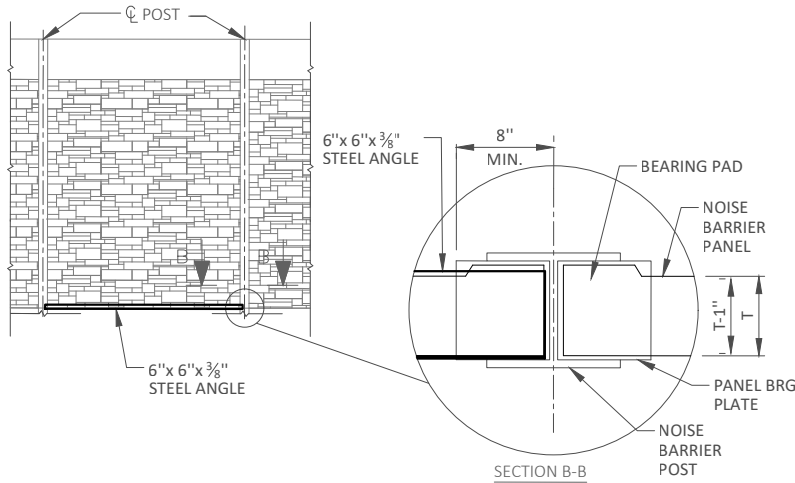
NO.	DATE	REVISION	BY
DAAR ENGINEERING, INC. www.daarcorp.com Milwaukee, WI 53202 414-225-9817			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED		CHIEF STRUCTURES DESIGN ENGINEER	DATE
STRUCTURE N-40-40			
IH 43 SB, 2.3 MILES S JCT CTH Y			
COUNTY MILWAUKEE		TOWN/CITY/VILLAGE MILWAUKEE	
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS			
DESIGNED BY	MC	DESIGN CK'D.	TR
DRAWN BY	MC	PLANS CK'D.	TR
GENERAL PLAN & ELEVATION 1			SHEET 1 OF 2 PRE_48

DESIGN CONSULTANT
TOM ROMENESKO, PE
(608) 566-1370

BRIDGE OFFICE CONTACT
AARON BONK, PE
(608) 261-0261

PANEL SUPPORT REPAIR SEQUENCE

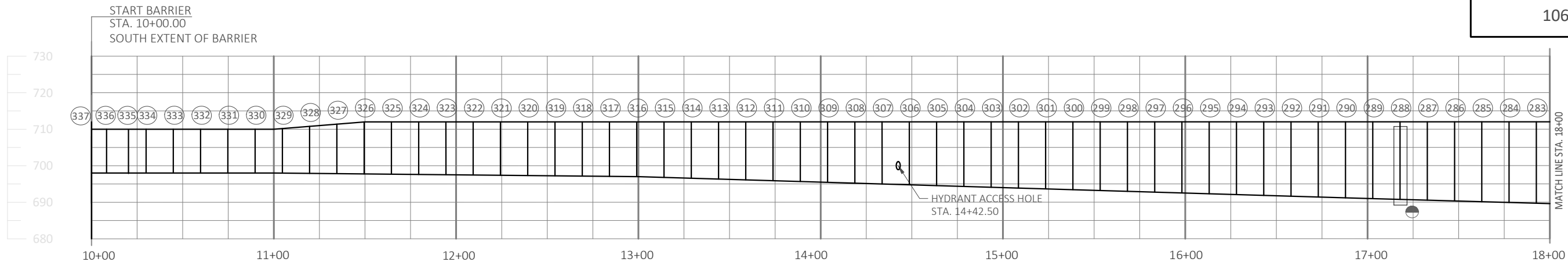
1. LOCATE SOUND PANELS THAT HAVE SETTLED PAST THE EXISTING SUPPORT BRACKETS.
2. REMOVE AND SALVAGE EXISTING UNDAMAGED PANELS FROM THE STRUCTURAL SUPPORT POSTS BY LIFTING THEM OUT. COST TO REMOVE, STORE, AND REINSTALL THE SOUND PANELS IS INCLUDED IN THE BID ITEM "REMOVING AND REINSTALLING SOUND PANELS". ANY DAMAGE TO THE SOUND PANELS CAUSED BY THE CONTRACTOR DURING REMOVAL, STORAGE OR REINSTALLING THE PANELS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
3. INSTALL SOUND BARRIER PANEL SUPPORT BRACKETS AS SHOWN IN DETAILS.
4. REINSTALL SALVAGED SOUND PANELS.



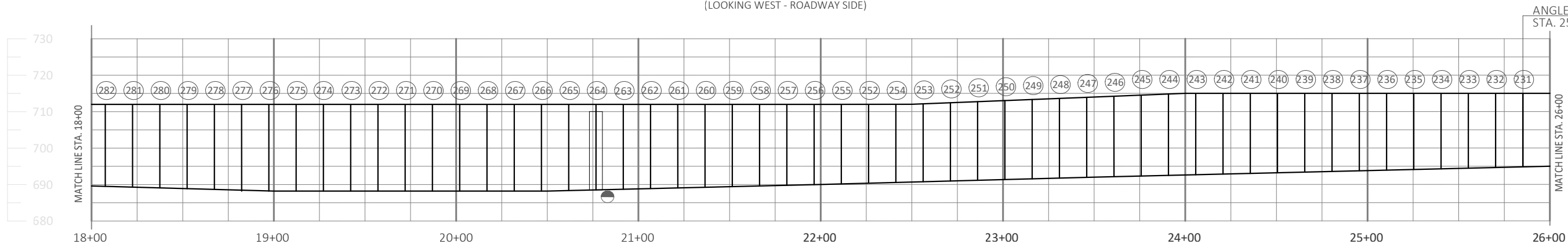
PANEL SUPPORT REPAIR DETAIL
(LOOKING EAST)

- REMOVE RUST AND RE-PAINT ON ROADWAY SIDE
- REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- SUPPORT POST (NUMBERED SOUTH TO NORTH)
- PRECAST SOUND BARRIER PANEL SUPPORT REPAIR

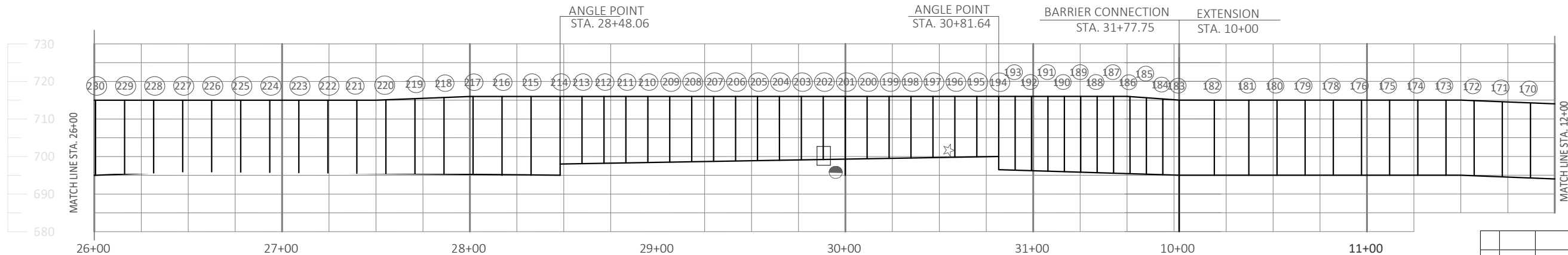
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE N-40-40			
	DRAWN BY	MC	PLANS CK'D. TR
GENERAL PLAN & ELEVATION 2		SHEET 2 OF 2 PRE_49	

**GROUND MOUNTED NOISE BARRIER**

(LOOKING WEST - ROADWAY SIDE)

**GROUND MOUNTED NOISE BARRIER**

(LOOKING WEST - ROADWAY SIDE)



- ▲ - REMOVE RUST AND RE-PAINT ON ROADSIDE
- - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- - SUPPORT POST (NUMBERED SOUTH TO NORTH)
- ☆ - PRECAST SOUND BARRIER PANEL SUPPORT REPAIR

STRUCTURE/GROUND MOUNTED NOISE BARRIER

(LOOKING WEST - ROADWAY SIDE)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

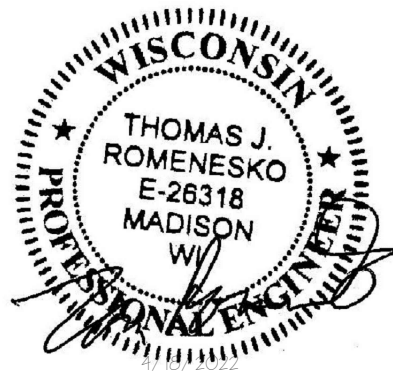
ORIGINAL CONSTRUCTION YEAR IS 2012.

CLEAN RUSTED AREAS OF STRUCTURAL SUPPORT POST (LOCATED ON PLAN AND AS DIRECTED BY FIELD ENGINEER) TO BARE METAL AS PER BID ITEM "STRUCTURE OVERCOAT CLEANING AND PRIMING N-40-41". APPLY PRIME AND INTERMEDIATE COATS TO THE AREA.

OVERCOAT PAINT THE STRUCTURAL SUPPORT POSTS AND BRACKETS LOCATED ON THE PLANS AND AS DIRECTED BY FIELD ENGINEER. PAINT SHALL BE BROWN, AMS STANDARD COLOR NO. 20170.

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION 1
2. GENERAL PLAN & ELEVATION 2
3. GENERAL PLAN & ELEVATION 3



DESIGN CONSULTANT

TOM ROMENESKO, PE
(608) 566-1370

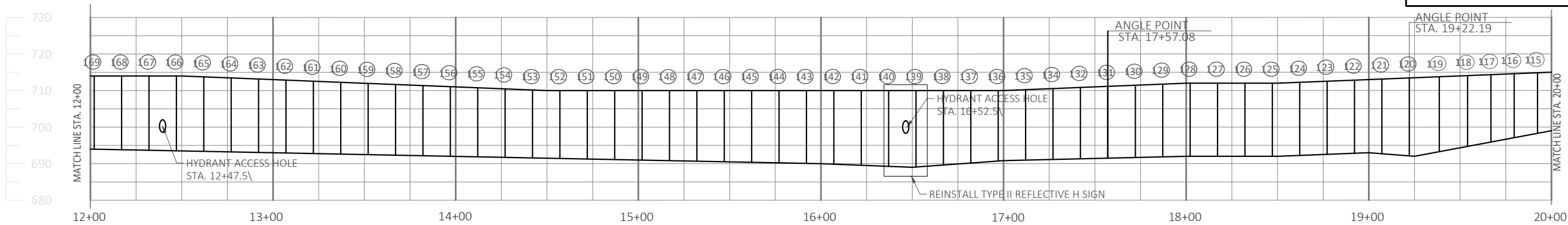
BRIDGE OFFICE CONTACT

AARON BONK, PE
(608) 261-0261**TOTAL ESTIMATED QUANTITIES**

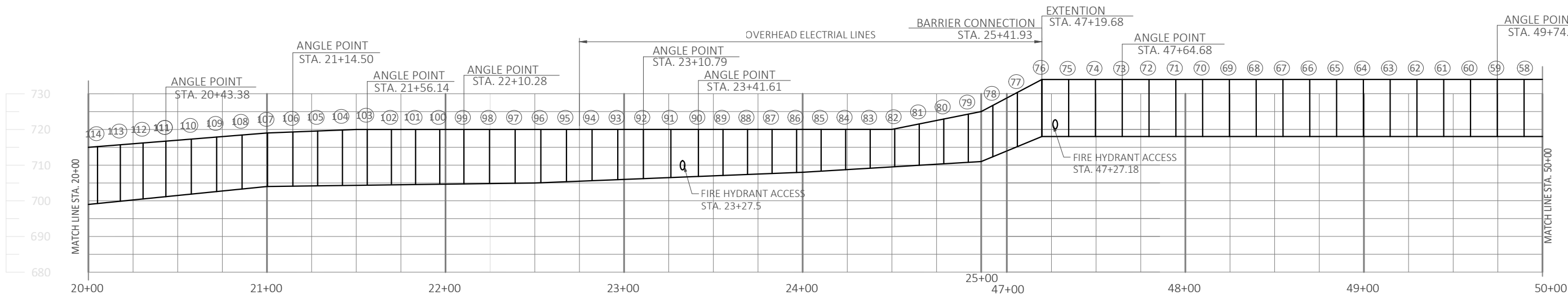
ITEM NUMBER	BID ITEM	UNIT	TOTAL
517.3000.S.06	STRUCTURE OVERCOATING CLEANING AND PRIMING (N-40-41)	LS	1
517.4000.S.06	CONTAINMENT AND COLLECTION OF WASTE MATERIAL (N-40-41)	LS	1
☆ 637.2210	SIGNS TYPE II REFLECTIVE H	SF	5
SPV.0060.01	PRECAST SOUND BARRIER PANEL SUPPORT REPAIR	EA	1
SPV.0060.02	REMOVING AND REINSTALLING SOUND PANELS	EA	3

☆ UNDISTRIBUTED LOCATIONS TO BE DETERMINED BY ENGINEER IN THE FIELD.

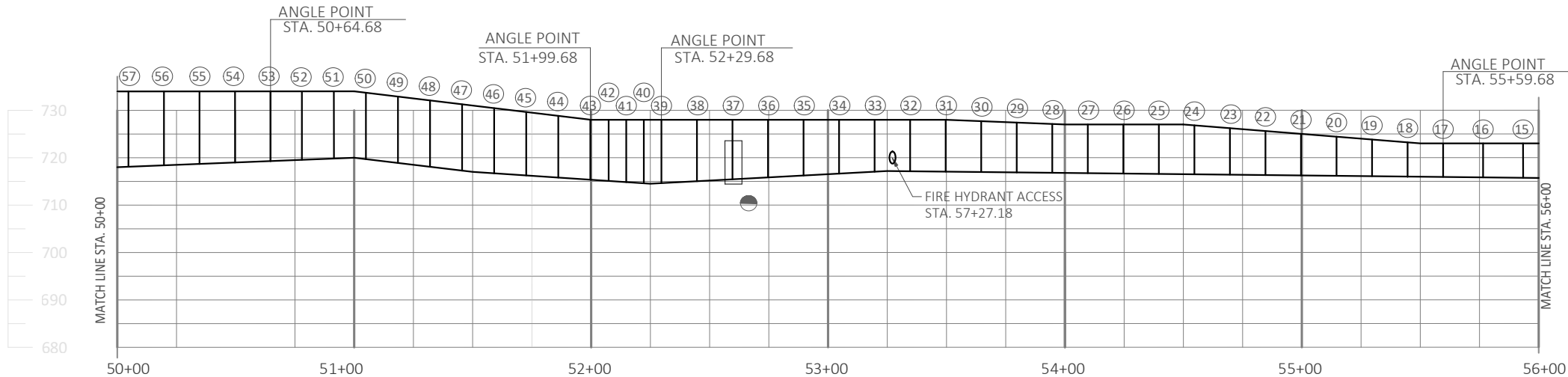
NO.	DATE	REVISION	BY
 www.daarcorp.com Milwaukee, WI 53202 414-225-9817			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED		CHIEF STRUCTURES DESIGN ENGINEER	DATE
STRUCTURE N-40-41			
NOISE WALL ON IH 43/94, 130 FT S JCT HOWARD AVE.			
COUNTY MILWAUKEE		TOWN/CITY/VILLAGE MILWAUKEE	
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS			
DESIGNED BY	MC	DESIGN CK'D.	TR
DRAWN BY	MC	PLANS CK'D.	TR
GENERAL PLAN & ELEVATION 1			SHEET 1 OF 3 PRE_50



GROUND MOUNTED NOISE BARRIER
(LOOKING WEST - ROADWAY SIDE)



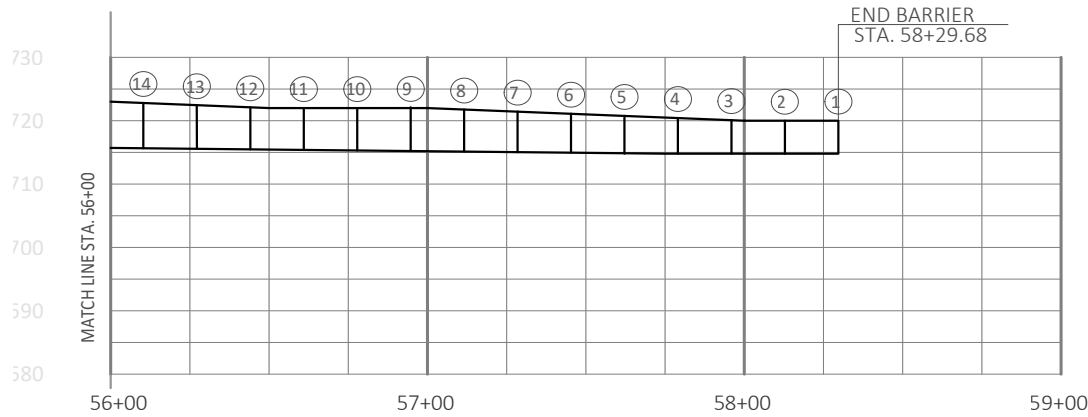
STRUCTURE MOUNTED NOISE BARRIER
(LOOKING WEST - ROADWAY SIDE)



STRUCTURE MOUNTED NOISE BARRIER
(LOOKING WEST - ROADWAY SIDE)

- ▲ - REMOVE RUST AND RE-PAINT ON ROADSIDE
- - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- - SUPPORT POST (NUMBERED SOUTH TO NORTH)

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE N-40-41			
DRAWN BY		MC	PLANS CK'D. TR
GENERAL PLAN & ELEVATION 2		SHEET 2 OF 3 PRE_51	

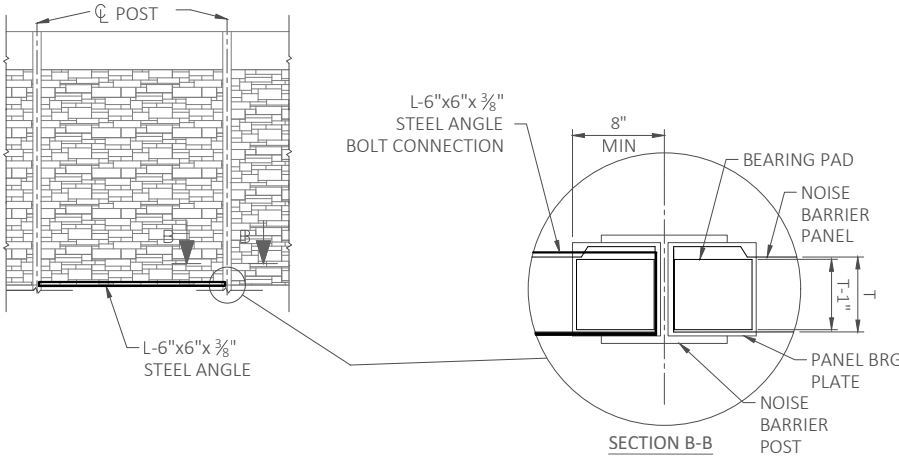


GROUND MOUNTED NOISE BARRIER
(LOOKING WEST - ROADWAY SIDE)

- ▲ - REMOVE RUST AND RE-PAINT ON ROADSIDE
- - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- - SUPPORT POST (NUMBERED SOUTH TO NORTH)
- ✱ - PRECAST SOUND BARRIER PANEL SUPPORT REPAIR

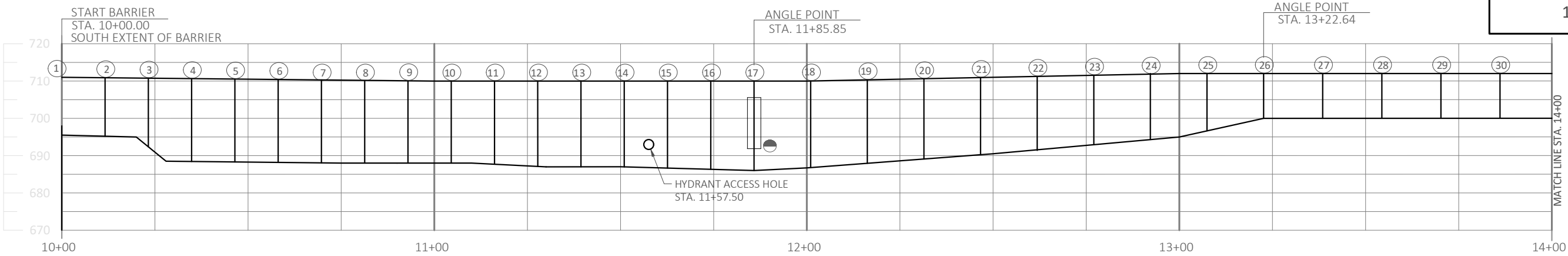
PANEL SUPPORT REPAIR SEQUENCE

1. LOCATE SOUND PANELS THAT HAVE SETTLED PAST THE EXISTING SUPPORT BRACKETS.
2. REMOVE AND SALVAGE EXISTING UNDAMAGED PANELS OUT FROM THE STRUCTURAL SUPPORT POSTS BY LIFTING THEM OUT. COST TO REMOVE, STORE, AND REINSTALL THE SOUND PANELS IS INCLUDED IN THE BID ITEM "REMOVING AND REINSTALLING SOUND PANELS". ANY DAMAGE TO THE SOUND PANELS CAUSED BY THE CONTRACTOR DURING REMOVAL, STORAGE OR REINSTALLING THE PANELS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
3. INSTALL SOUND BARRIER PANEL SUPPORT BRACKETS AS SHOWN IN DETAILS.
4. REINSTALL SALVAGED SOUND PANELS.



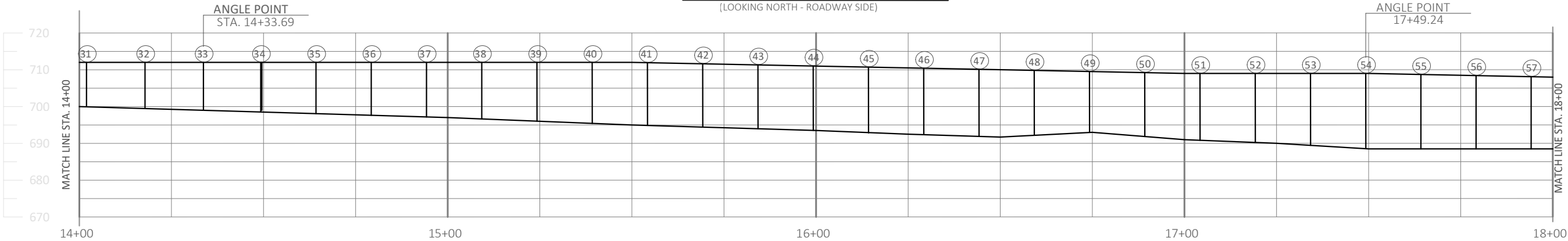
PANEL SUPPORT REPAIR DETAIL
(LOOKING EAST)

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE N-40-41			
	DRAWN BY	MC	PLANS CK'D. TR
GENERAL PLAN & ELEVATION 3		SHEET 3 OF 3 PRE_52	



GROUND MOUNTED NOISE BARRIER

(LOOKING NORTH - ROADWAY SIDE)



GROUND MOUNTED NOISE BARRIER

(LOOKING NORTH - ROADWAY SIDE)



GROUND MOUNTED NOISE BARRIER

(LOOKING NORTH - RESIDENTIAL SIDE)

- ▲ - REMOVE RUST AND RE-PAINT ON ROADSIDE
- - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- - SUPPORT POST (NUMBERED SOUTH TO NORTH)
- ☆ - PRECAST SOUND BARRIER PANEL SUPPORT REPAIR

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
517.3000.S.07	STRUCTURE OVERCOATING CLEANING AND PRIMING N-40-42	LS	1
517.4000.S.07	CONTAINMENT AND COLLECTION OF WASTE MATERIAL N-40-42	LS	1
☆ SPV.0060.01	PRECAST SOUND BARRIER PANEL SUPPORT REPAIR	EA	1
SPV.0060.02	REMOVING AND REINSTALLING SOUND PANELS	EA	1

- ☆ UNDISTRIBUTED LOCATIONS TO BE DETERMINED BY ENGINEER IN THE FIELD.
- 70% OF SUPPORT POST STRAPS SHOW RUST & PAINT SPALLING ON RESIDENTIAL SIDE (POST 92-181)
- 50% OF SUPPORT ANGLES SHOW RUST & PAINT SPALLING ON ROADWAY SIDE (POST 92-181)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

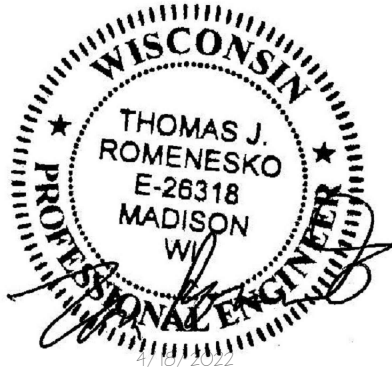
ORIGINAL CONSTRUCTION YEAR IS 2012.

CLEAN RUSTED AREAS OF STRUCTURAL SUPPORT POST (LOCATED ON PLAN AND AS DIRECTED BY FIELD ENGINEER) TO BARE METAL AS PER BID ITEM "STRUCTURAL OVERCOAT CLEANING AND PRIMING N-40-42". APPLY PRIMER AND INTERMEDIATE COATS TO THE AREA.

OVERCOAT PAINT THE STRUCTURAL SUPPORT POSTS AND BRACKETS LOCATED ON THE PLANS AND AS DIRECTED BY FIELD ENGINEER. PAINT SHALL BE BROWN, AMS STANDARD COLOR NO. 20170.

LIST OF DRAWINGS:

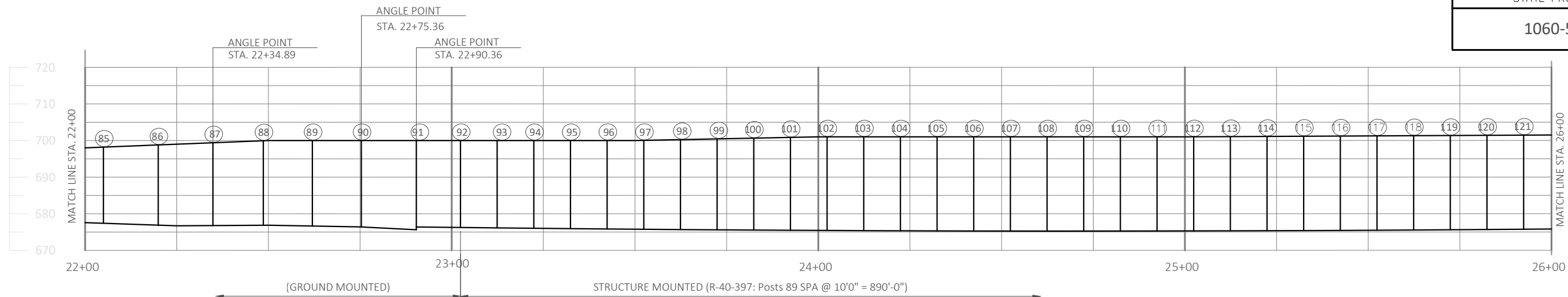
1. GENERAL PLAN & ELEVATION 1
2. GENERAL PLAN & ELEVATION 2



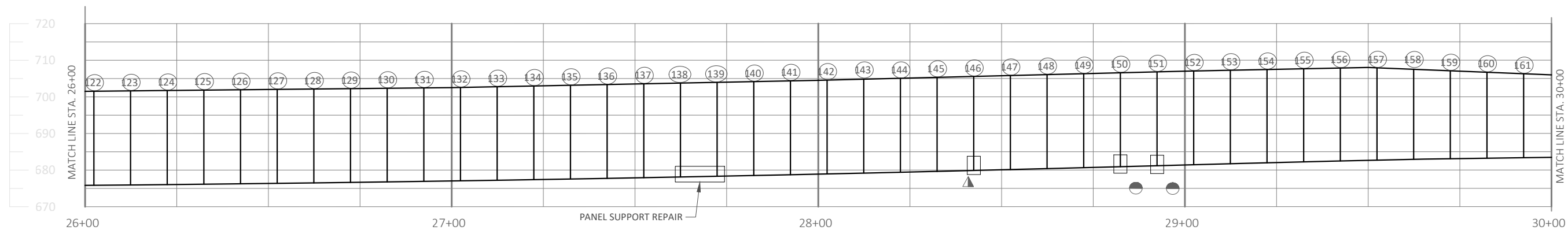
DESIGN CONSULTANT
TOM ROMENESKO, PE
(608) 566-1370

BRIDGE OFFICE CONTACT
AARON BONK, PE
(608) 261-0261

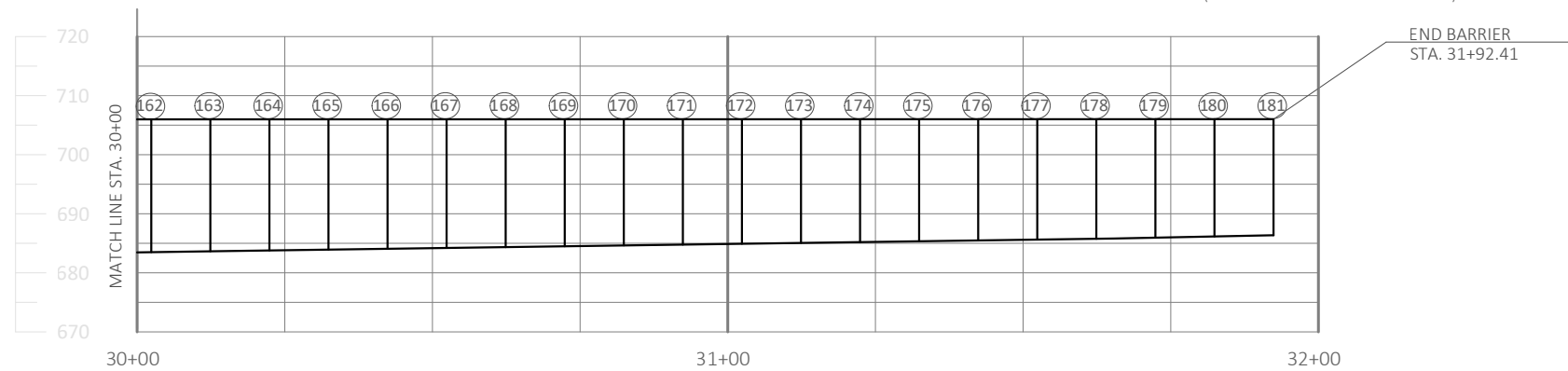
NO.	DATE	REVISION	BY
 www.daarcorp.com Milwaukee, WI 53202 414-225-9817			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE _____			
STRUCTURE N-40-42			
NOISE WALL ON IH 43 SB, AT JCT WITH S. 13TH STREET			
COUNTY MILWAUKEE		TOWN/CITY/VILLAGE MILWAUKEE	
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS			
DESIGNED BY	MC	DESIGN CK'D.	TR
DRAWN BY	MC	PLANS CK'D.	TR
GENERAL PLAN & ELEVATION 1			SHEET 1 OF 2 PRE_53

**GROUND/STRUCTURE MOUNTED NOISE BARRIER**

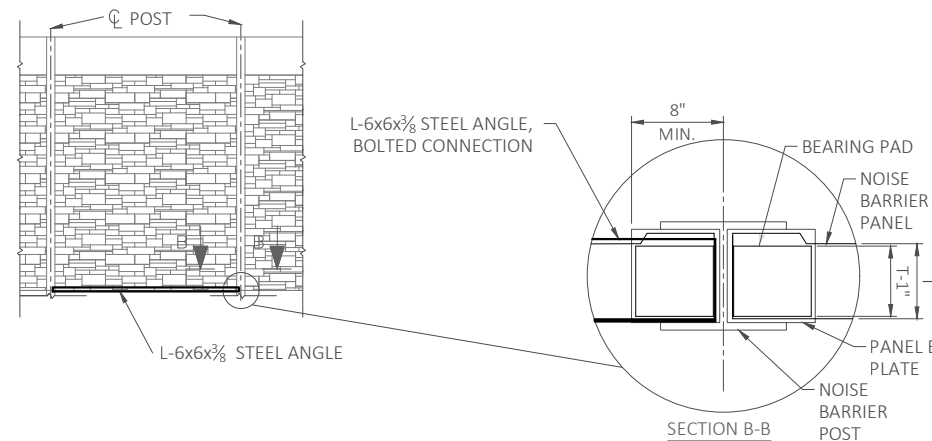
(LOOKING NORTH - ROADWAY SIDE)

**STRUCTURE MOUNTED NOISE BARRIER**

(LOOKING NORTH - ROADWAY SIDE)

**STRUCTURE MOUNTED NOISE BARRIER**

(LOOKING WEST - ROADWAY SIDE)

**PANEL SUPPORT REPAIR DETAIL**

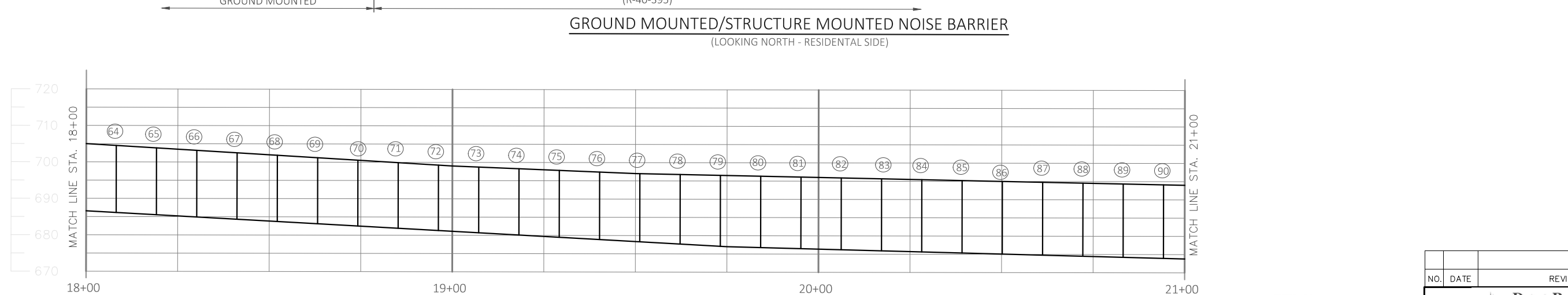
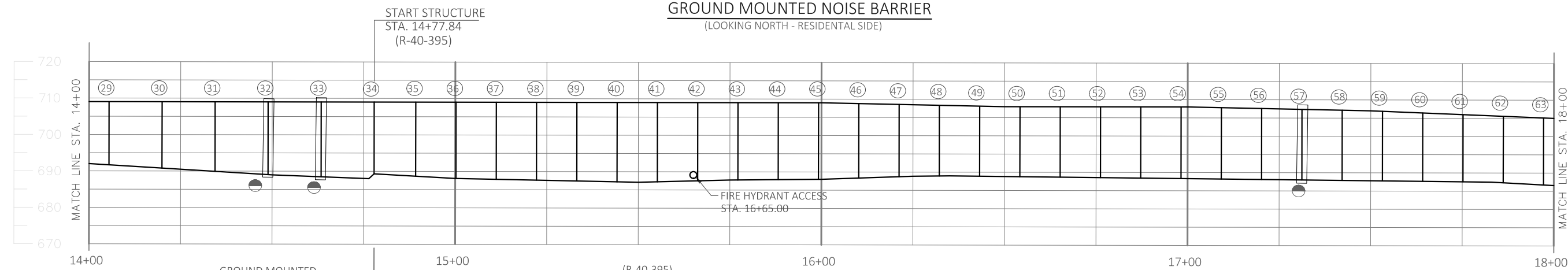
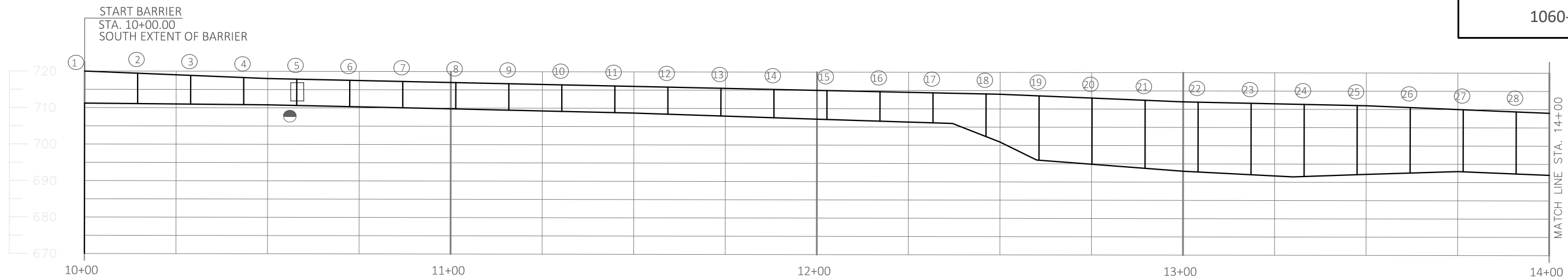
(LOOKING EAST)

PANEL SUPPORT REPAIR SEQUENCE

1. LOCATE SOUND PANELS THAT HAVE SETTLED PAST THE EXISTING SUPPORT BRACKETS.
2. REMOVE AND SALVAGE EXISTING UNDAMAGED PANELS FROM THE STRUCTURAL SUPPORT POSTS BY LIFTING THEM OUT. COST TO REMOVE, STORE, AND REINSTALL THE SOUND PANELS IS INCLUDED IN THE BID ITEM "REMOVING AND REINSTALLING SOUND PANELS". ANY DAMAGE TO THE SOUND PANELS CAUSED BY THE CONTRACTOR DURING REMOVAL, STORAGE OR REINSTALLING THE PANELS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
3. INSTALL SOUND BARRIER PANEL SUPPORT BRACKETS AS SHOWN IN DETAILS.
4. REINSTALL SALVAGED SOUND PANELS.

- ▲ - REMOVE RUST AND RE-PAINT ON ROADSIDE
- - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- - SUPPORT POST (NUMBERED SOUTH TO NORTH)
- ☆ - PRECAST SOUND BARRIER PANEL SUPPORT REPAIR

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE N-40-42			
DRAWN BY		MC	PLANS CK'D. TR
GENERAL PLAN & ELEVATION 2		SHEET 2 OF 2 PRE_54	



- ▲ - REMOVE RUST AND RE-PAINT ON ROADSIDE
● - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
○ - SUPPORT POST (NUMBERED SOUTH TO NORTH)
☆ - PRECAST SOUND BARRIER PANEL SUPPORT REPAIR

STRUCTURE MOUNTED NOISE BARRIER
(LOOKING NORTH - RESIDENTIAL SIDE)

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION 1
2. GENERAL PLAN & ELEVATION 2

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ORIGINAL CONSTRUCTION YEAR IS 2012.

CLEAN RUSTED AREAS OF STRUCTURAL SUPPORT POST (LOCATED ON PLAN AND AS DIRECTED BY FIELD ENGINEER) TO BARE METAL AS PER BID ITEM "STRUCTURE OVERCOAT CLEANING AND PRIMING N-40-43". APPLY PRIMER AND INTERMEDIATE COATS TO THE AREA.

OVERCOAT PAINT THE STRUCTURAL SUPPORT POSTS AND BRACKETS LOCATED ON THE PLANS AND AS DIRECTED BY THE FIELD ENGINEER. PAINT SHALL BE BROWN, AMS STANDARD COLOR NO. 20170.



DESIGN CONSULTANT

TOM ROMENESKO, PE
(608) 566-1370

BRIDGE OFFICE CONTACT

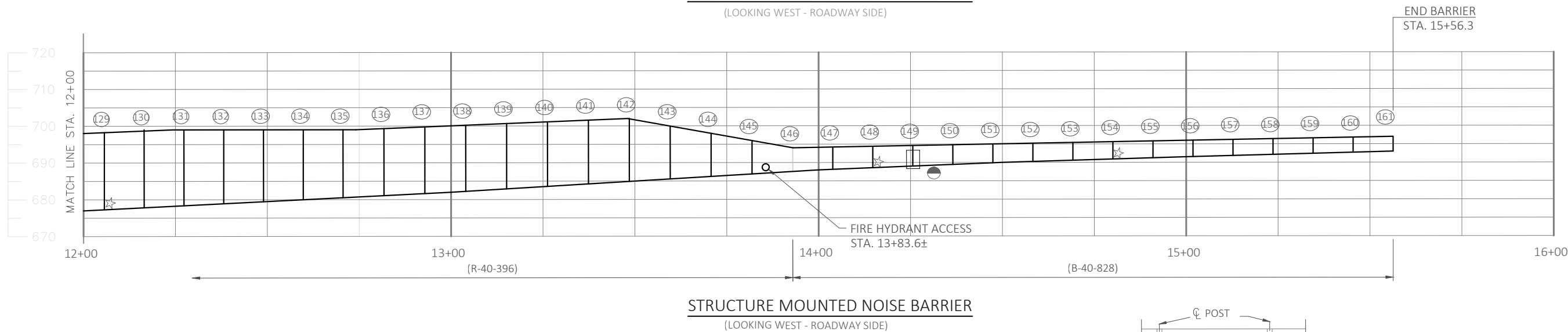
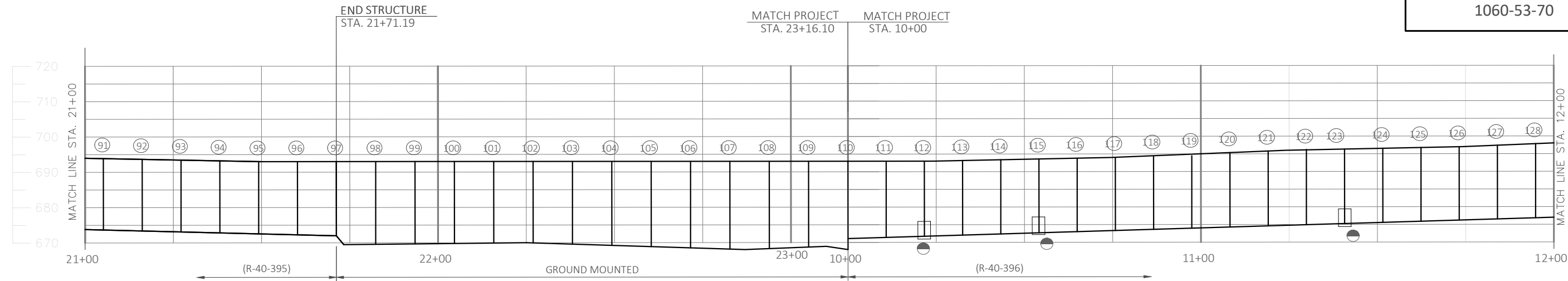
AARON BONK, PE
(608) 261-0261

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
517.3001.S.08	STRUCTURE OVERCOATING CLEANING AND PRIMING N-40-43	LS	1
517.4001.S.08	CONTAINMENT AND COLLECTION OF WASTE MATERIAL N-40-43	LS	1
☆ 541.0300.S.08	NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-40-43	SF	192
SPV.0060.01	PRECAST SOUND BARRIER PANEL SUPPORT REPAIR	EA	4
SPV.0060.02	REMOVING AND REINSTALLING SOUND PANELS	EA	5

☆ UNDISTRIBUTED LOCATIONS TO BE DETERMINED BY ENGINEER IN THE FIELD.

NO.	DATE	REVISION	BY
 www.daarcorp.com Milwaukee, WI 53202 414-225-9817			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED		CHIEF STRUCTURES DESIGN ENGINEER	DATE
STRUCTURE N-40-43			
NOISE WALL ON IH 43/94 NB, 1.1 MILE S JCT HOWARD AVE.			
COUNTY MILWAUKEE		TOWN/CITY/VILLAGE MILWAUKEE	
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS			
DESIGNED BY	MC	DESIGN CK'D.	TR
DRAWN BY	MC	PLANS CK'D.	TR
GENERAL PLAN & ELEVATION 1			SHEET 1 OF 2 PRE_55



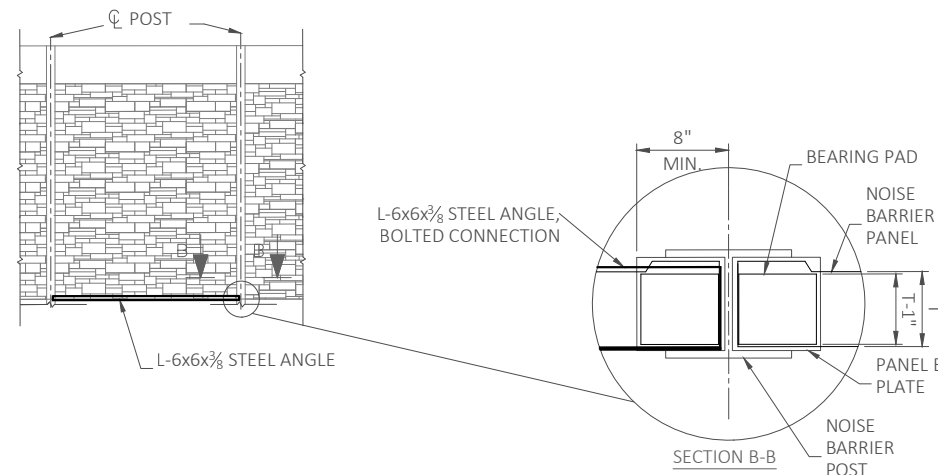
- ▲ - REMOVE RUST AND RE-PAINT ON ROADSIDE
- - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- - SUPPORT POST (NUMBERED SOUTH TO NORTH)
- ☆ - PRECAST SOUND BARRIER PANEL SUPPORT REPAIR

PANEL SUPPORT REPAIR SEQUENCE

- LOCATE SOUND PANELS THAT HAVE SETTLED PAST THE EXISTING SUPPORT BRACKETS.
- REMOVE AND SALVAGE EXISTING UNDAMAGED PANELS FROM THE STRUCTURAL SUPPORT POSTS BY LIFTING THEM OUT. COST TO REMOVE, STORE, AND REINSTALL THE SOUND PANELS IS INCLUDED IN THE BID ITEM "REMOVING AND REINSTALLING SOUND PANELS". ANY DAMAGE TO THE SOUND PANELS CAUSED BY THE CONTRACTOR DURING REMOVAL, STORAGE OR REINSTALLING THE PANELS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
- INSTALL SOUND BARRIER PANEL SUPPORT BRACKETS AS SHOWN IN DETAILS.
- REINSTALL SALVAGED SOUND PANELS.

PANEL REPLACEMENT SEQUENCE

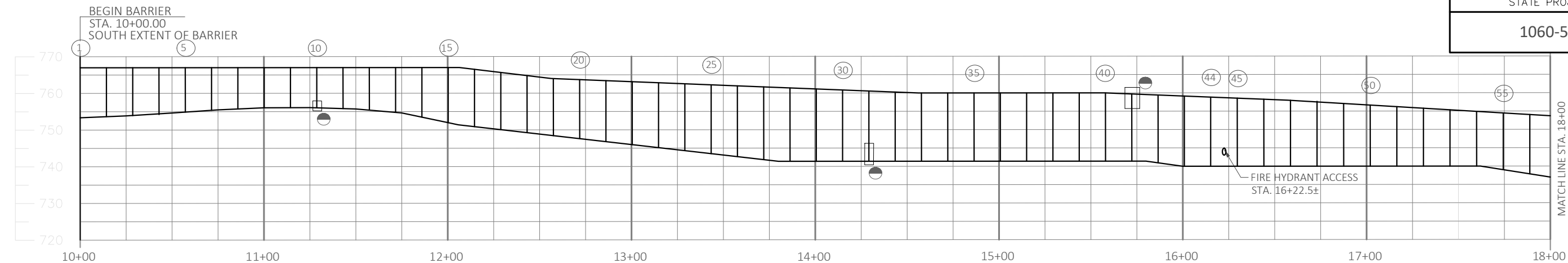
- LOCATE DAMAGED SOUND PANEL
- REMOVE AND SALVAGE EXISTING UNDAMAGED PANELS FROM THE STRUCTURAL SUPPORT POSTS BY LIFTING THEM OUT, COST TO REMOVE, STORE, AND REINSTALL THE SOUND PANELS IS INCLUDED IN THE BID ITEM "REMOVING AND REINSTALLING SOUND PANELS". ANY DAMAGE TO THE SOUND PANELS REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
- REPLACE IDENTIFIED DAMAGED PANEL. BID ITEM "NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE (N-40-43)".



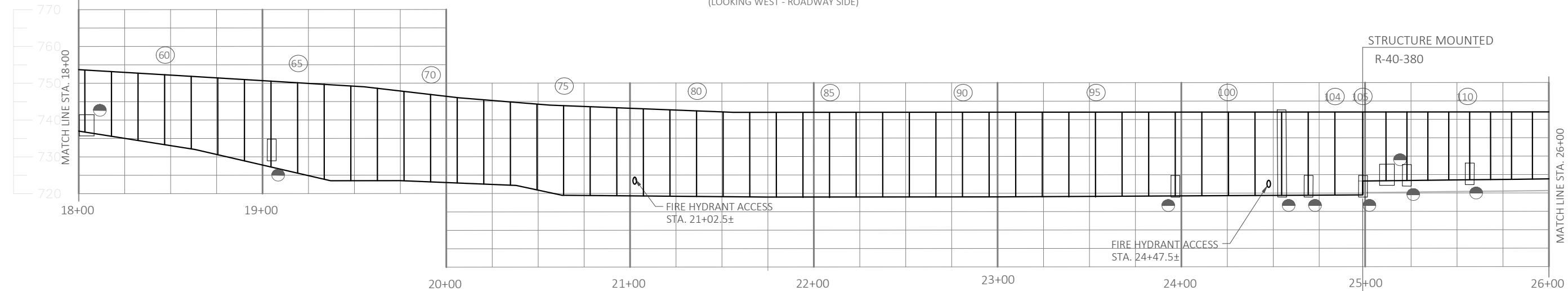
PANEL SUPPORT REPAIR DETAIL

(LOOKING EAST)

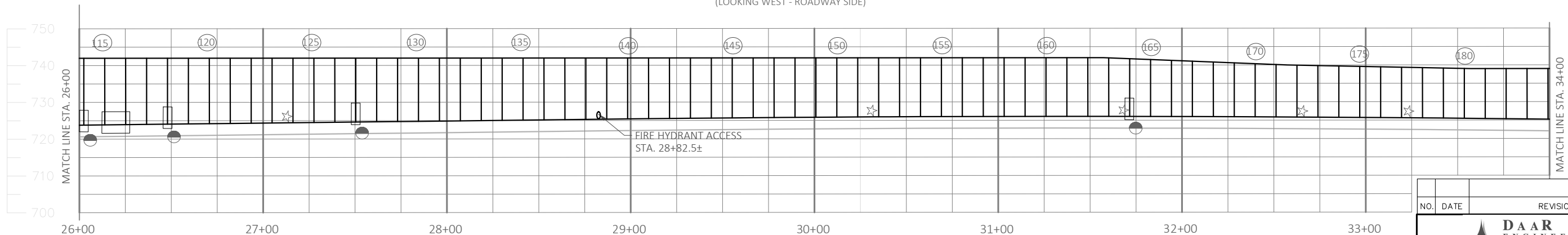
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE N-40-43			
DRAWN BY		MC	PLANS CK'D. TR
GENERAL PLAN & ELEVATION 2		SHEET 2 OF 2 PRE_56	

**GROUND MOUNTED NOISE BARRIER**

(LOOKING WEST - ROADWAY SIDE)

**GROUND MOUNTED/STRUCTURE MOUNTED NOISE BARRIER**

(LOOKING WEST - ROADWAY SIDE)

**STRUCTURE MOUNTED NOISE BARRIER**

(LOOKING WEST - ROADWAY SIDE)

- - SUPPORT POSTS (NUMBERED SOUTH TO NORTH)
- ▲ - REMOVE RUST AND RE-PAINT ON ROADWAY SIDE
- - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- ☆ - PANEL SUPPORT REPAIR

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION 1
2. GENERAL PLAN & ELEVATION 2

GENERAL NOTES

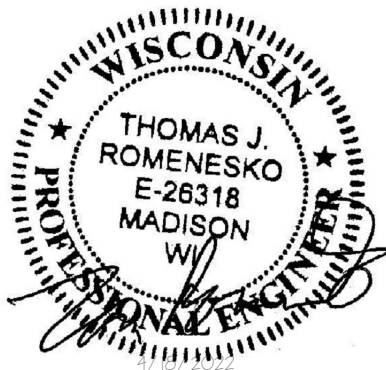
DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ORIGINAL CONSTRUCTION YEAR IS 2010.

CLEAN RUSTED AREAS OF STRUCTURAL SUPPORT POST (LOCATED ON PLAN AND AS DIRECTED BY FIELD ENGINEER) TO BARE METAL AS PER BID ITEM "STRUCTURE OVERCOAT CLEANING AND PRIMING N-40-46". APPLY PRIMER AND INTERMEDIATE COATS TO THE AREA.

OVERCOAT PAINT THE STRUCTURAL SUPPORT POSTS AND BRACKETS LOCATED ON THE PLANS AND AS DIRECTED BY FIELD ENGINEER. PAINT SHALL BE BROWN, AMS STANDARD COLOR NO. 20170.



DESIGN CONSULTANT

TOM ROMENESKO, PE
(608) 566-1370

BRIDGE OFFICE CONTACT

AARON BONK, PE
(608) 261-0261**TOTAL ESTIMATED QUANTITIES**

ITEM NUMBER	BID ITEM	UNIT	TOTAL
517.3000.S.09	STRUCTURE OVERCOATING CLEANING AND PRIMING N-40-46	LS	1
517.4000.S.09	CONTAINMENT AND COLLECTION OF WASTE MATERIAL N-40-46	LS	1
☆ SPV.0060.01	PRECAST SOUND BARRIER PANEL SUPPORT REPAIR	EA	4
SPV.0060.02	REMOVING AND REINSTALLING SOUND PANELS	EA	4

☆ UNDISTRIBUTED LOCATIONS TO BE DETERMINED BY ENGINEER IN THE FIELD.

NO.	DATE	REVISION	BY
-----	------	----------	----



ACCEPTED	CHIEF STRUCTURES DESIGN ENGINEER	DATE
----------	----------------------------------	------

STRUCTURE N-40-46

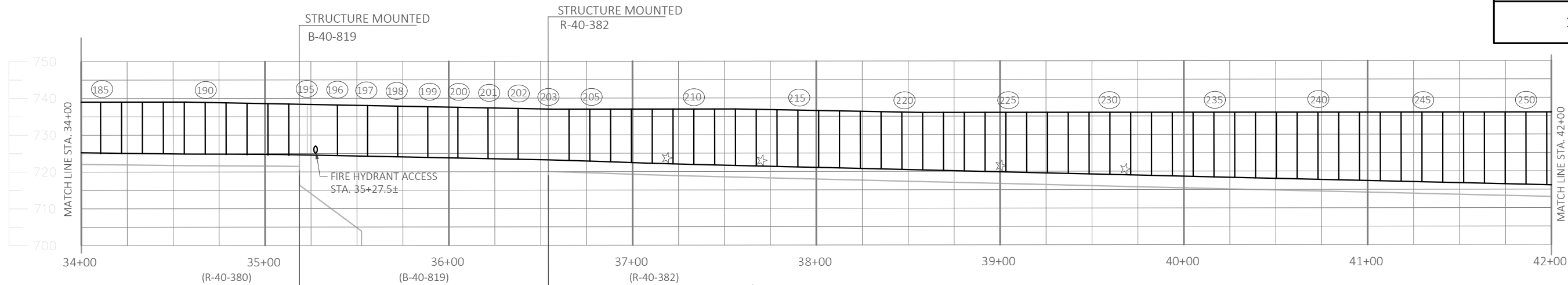
NOISE WALL ON IH 94/43, 0.15 MILE S JCT LAYTON AVE.

COUNTY	WAUKESHA	TOWN/CITY/VILLAGE	VERNON
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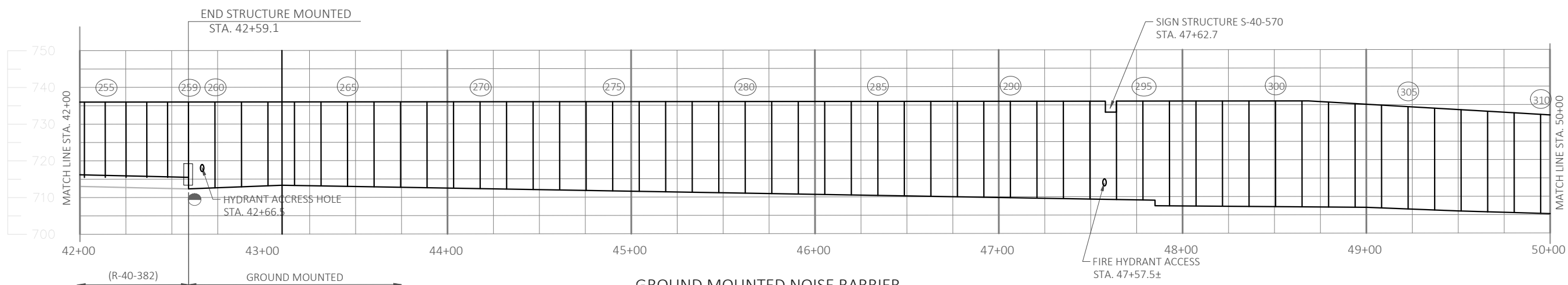
DESIGN SPEC.	AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS
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DESIGNED BY	MC	DESIGN CK'D.	TR	DRAWN BY	MC	PLANS CK'D.	TR
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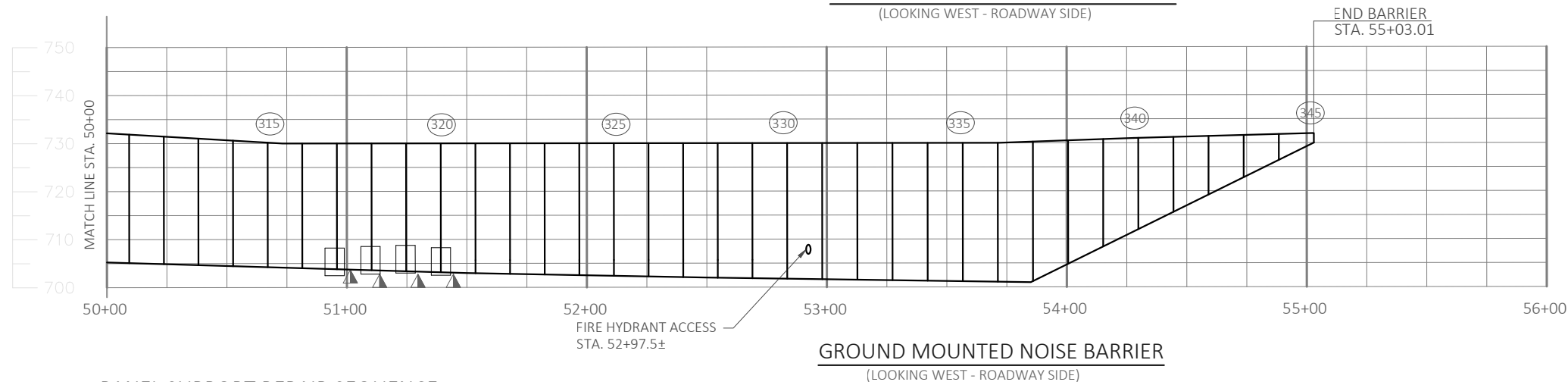
GENERAL PLAN & ELEVATION 1SHEET 1 OF 2
PRE_57

**STRUCTURE MOUNTED NOISE BARRIER**

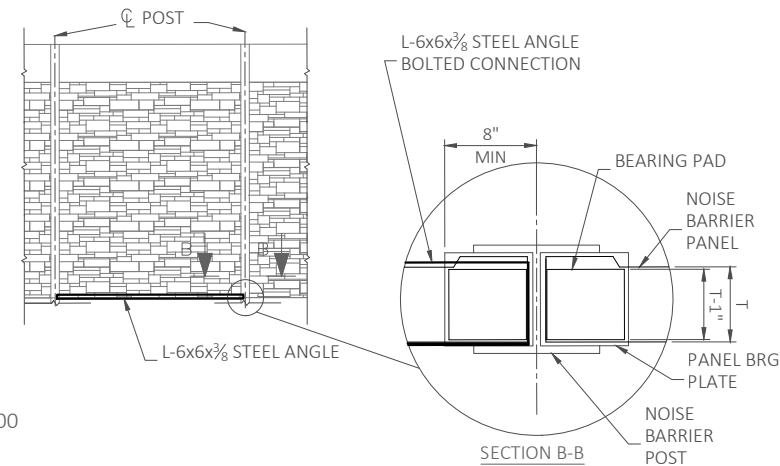
(LOOKING WEST - ROADWAY SIDE)

**GROUND MOUNTED NOISE BARRIER**

(LOOKING WEST - ROADWAY SIDE)

**GROUND MOUNTED NOISE BARRIER**

(LOOKING WEST - ROADWAY SIDE)

**PANEL SUPPORT REPAIR DETAIL**

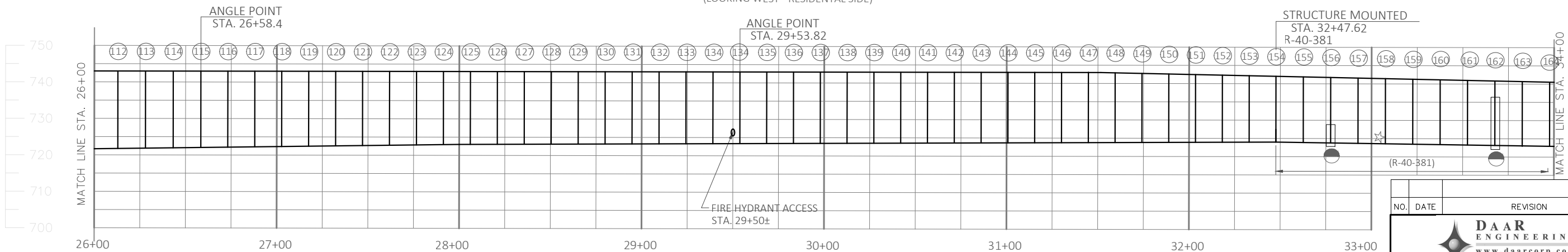
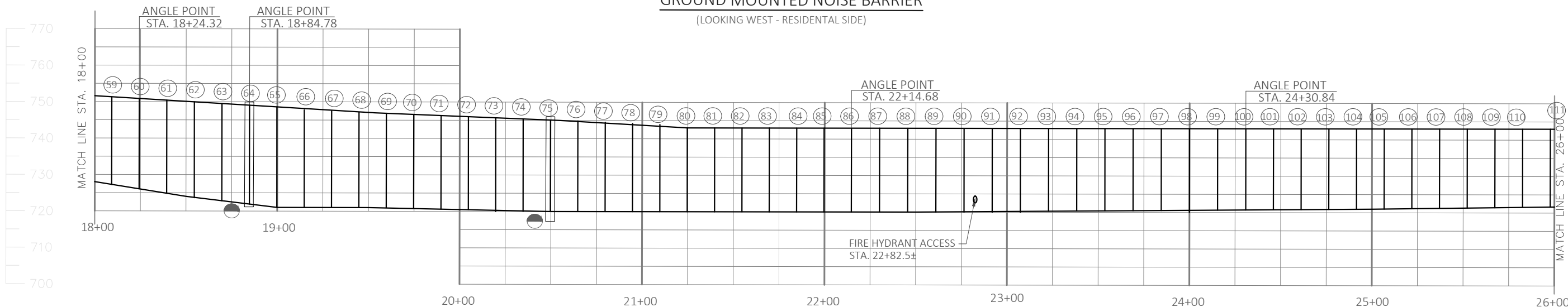
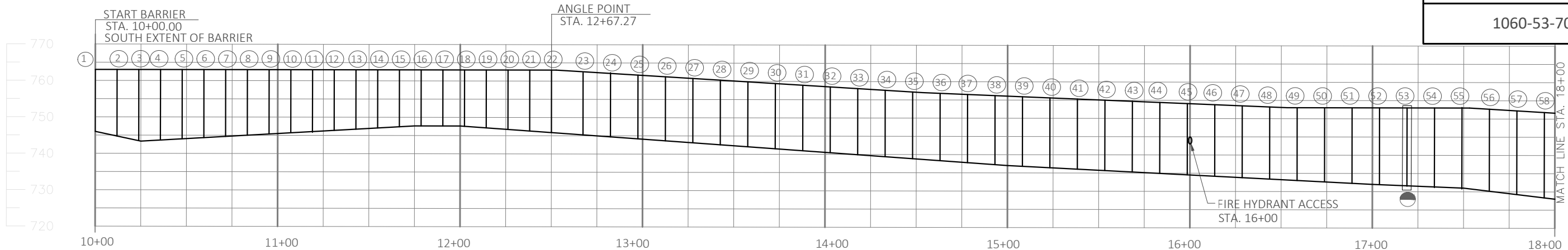
(LOOKING EAST)

PANEL SUPPORT REPAIR SEQUENCE

1. LOCATE SOUND PANELS THAT HAVE SETTLED PAST THE EXISTING SUPPORT BRACKETS.
2. REMOVE AND SALVAGE EXISTING UNDAMAGED PANELS OUT FROM THE STRUCTURAL SUPPORT POSTS BY LIFTING THEM OUT. COST TO REMOVE, STORE, AND REINSTALL THE SOUND PANELS IS INCLUDED IN THE BID ITEM "REMOVING AND REINSTALLING SOUND PANELS". ANY DAMAGE TO THE SOUND PANELS CAUSED BY THE CONTRACTOR DURING REMOVAL, STORAGE OR REINSTALLING THE PANELS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
3. INSTALL SOUND BARRIER PANEL SUPPORT BRACKETS AS SHOWN IN DETAILS.
4. REINSTALL SALVAGED SOUND PANELS.

- - SUPPORT POSTS (NUMBERED SOUTH TO NORTH)
- ▲ - REMOVE RUST AND RE-PAINT ON ROADWAY SIDE
- - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- ★ - PANEL SUPPORT REPAIR

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE N-40-46			
DRAWN BY		MC	PLANS CK'D. TR
GENERAL PLAN & ELEVATION 2		SHEET 2 OF 2 PRE_58	



- - SUPPORT POSTS (NUMBERED SOUTH TO NORTH)
- ▲ - REMOVE RUST AND RE-PAINT ON ROADWAY SIDE
- - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- ☆ - PANEL SUPPORT REPAIR

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
517.3000.S.11	STRUCTURE OVERCOATING CLEANING AND PRIMING N-40-47	LS	1
517.4000.S.11	CONTAINMENT AND COLLECTION OF WASTE MATERIAL N-40-47	LS	1
☆ SPV.0060.01	PRECAST SOUND BARRIER PANEL SUPPORT REPAIR	EA	5
SPV.0060.02	REMOVING AND REINSTALLING SOUND PANELS	EA	15

☆ UNDISTRIBUTED LOCATIONS TO BE DETERMINED BY ENGINEER IN THE FIELD.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ORIGINAL CONSTRUCTION YEAR IS 2010.

CLEAN RUSTED AREAS OF STRUCTURAL SUPPORT POST (LOCATED ON PLAN AND AS DIRECTED BY FIELD ENGINEER) TO BARE METAL AS PER BIT ITEM "STRUCTURE OVERCOAT CLEANING AND PRIMING N-40-47".

APPLY PRIMER AND INTERMEDIATE COATS TO THE AREA.

OVERCOAT PAINT THE STRUCTURAL SUPPORT POSTS AND BRACKETS LOCATED ON THE PLANS AND AS DIRECTED BY THE FIELD ENGINEER. PAINT SHALL BE BROWN, AMS STANDARD COLOR NO. 20170.

LIST OF DRAWINGS:

- GENERAL PLAN & ELEVATION 1
- GENERAL PLAN & ELEVATION 2



DESIGN CONSULTANT

TOM ROMENESKO, PE
(608) 566-1370

BRIDGE OFFICE CONTACT

AARON BONK, PE
(608) 261-0261STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATIONACCEPTED _____
CHIEF STRUCTURES DESIGN ENGINEER _____ DATE _____

STRUCTURE N-40-47

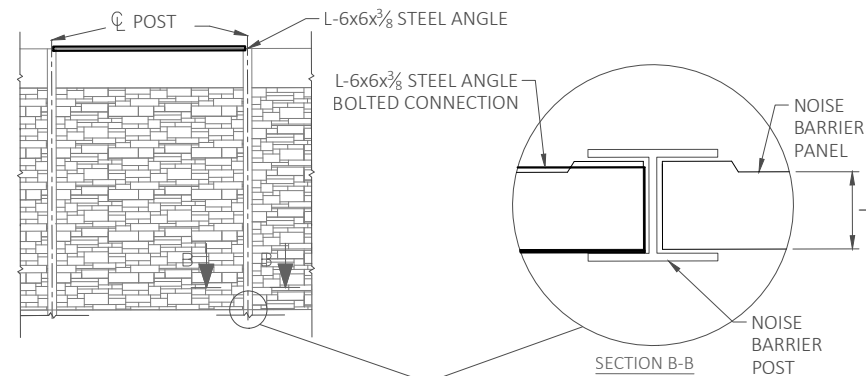
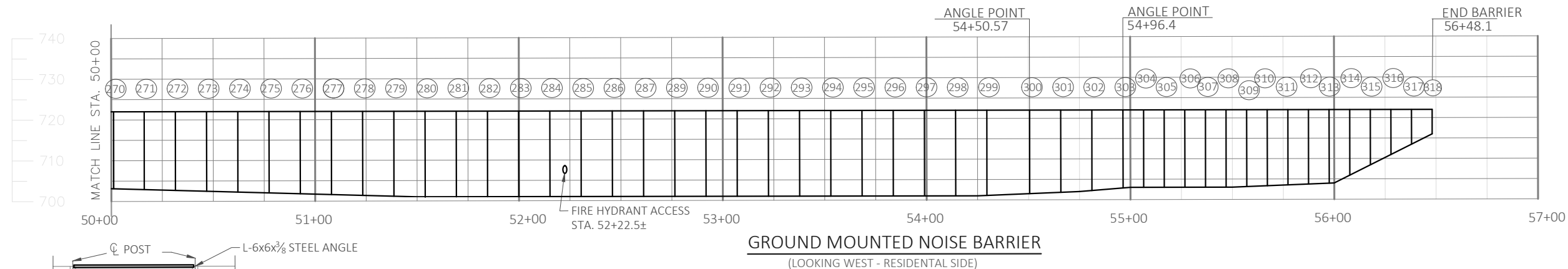
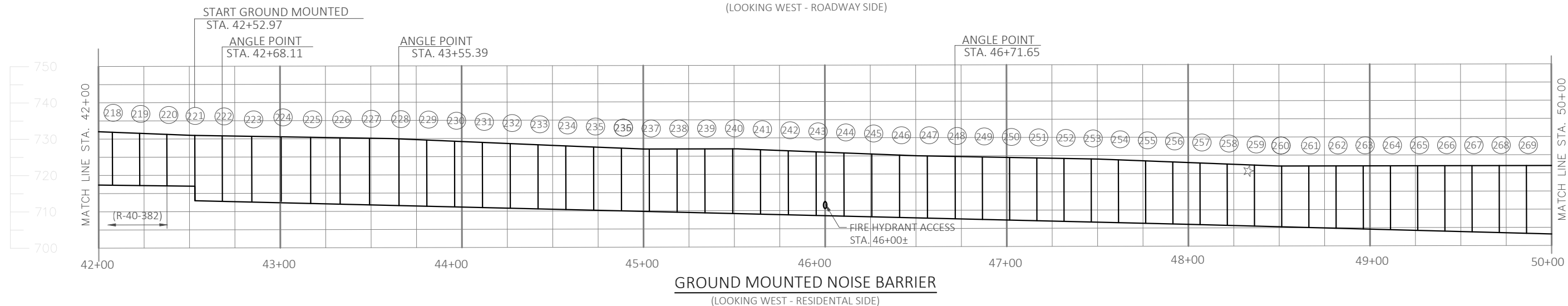
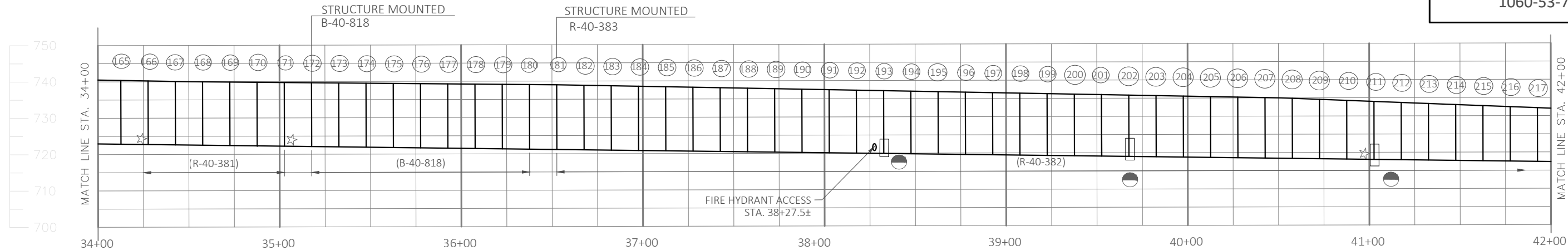
NOISE WALL ON IH 94/43, 0.12 MILE S. JCT LAYTON AVE.

COUNTY MILWAUKEE TOWN/CITY/VILLAGE MILWAUKEE

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY MC TR DESIGN CK'D. TR DRAWN BY MC PLANS CK'D. TR

GENERAL PLAN &
ELEVATION 1SHEET 1 OF 2
PRE_59

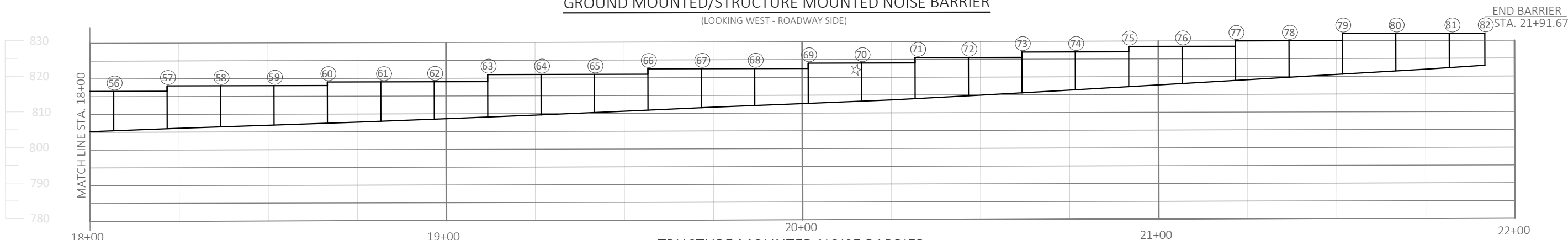
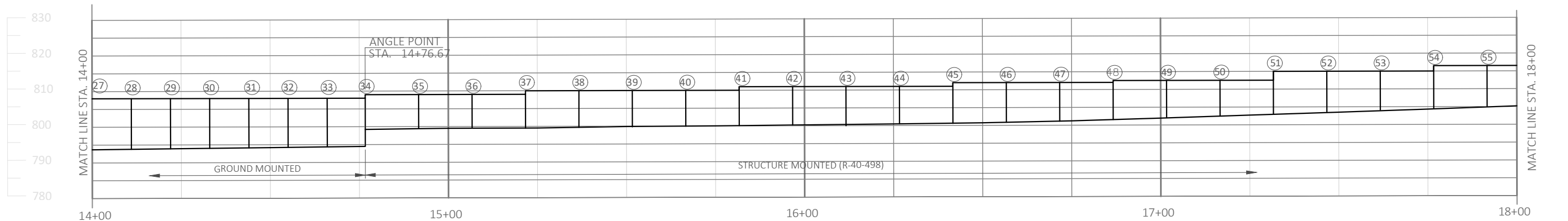
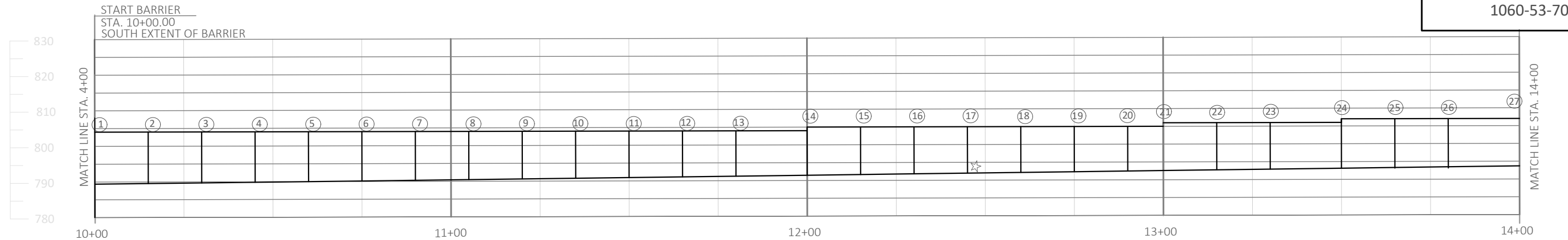


PANEL SUPPORT REPAIR SEQUENCE

1. LOCATE SOUND PANELS THAT HAVE SETTLED PAST THE EXISTING SUPPORT BRACKETS.
2. REMOVE AND SALVAGE EXISTING UNDAMAGED PANELS OUT FROM THE STRUCTURAL SUPPORT POSTS BY LIFTING THEM OUT. COST TO REMOVE, STORE, AND REINSTALL THE SOUND PANELS IS INCLUDED IN THE BID ITEM "REMOVING AND REINSTALLING SOUND PANELS". ANY DAMAGE TO THE SOUND PANELS CAUSED BY THE CONTRACTOR DURING REMOVAL, STORAGE OR REINSTALLING THE PANELS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
3. INSTALL SOUND BARRIER PANEL SUPPORT BRACKETS AS SHOWN IN DETAILS.
4. REINSTALL SALVAGED SOUND PANELS.

- - SUPPORT POSTS (NUMBERED SOUTH TO NORTH)
- ▲ - REMOVE RUST AND RE-PAINT ON ROADWAY SIDE
- - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- ☆ - PANEL SUPPORT REPAIR

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE N-40-47			
DRAWN BY		MC	PLANS CK'D. TR
GENERAL PLAN & ELEVATION 2		SHEET 2 OF 2 PRE_60	



SUPPORT PANEL REPAIR SEQUENCE

1. LOCATE SOUND PANELS THAT HAVE SETTLED PAST THE EXISTING SUPPORT BRACKETS.
2. REMOVE AND SALVAGE EXISTING UNDAMAGED PANELS FROM THE STRUCTURAL SUPPORT POSTS BY LIFTING THEM OUT. COST TO REMOVE, STORE, AND REINSTALL THE SOUND PANELS IS INCLUDED IN THE BID ITEM "REMOVING AND REINSTALLING SOUND PANELS". ANY DAMAGE TO THE SOUND PANELS CAUSED BY THE CONTRACTOR DURING REMOVAL, STORAGE, OR REINSTALLING THE PANELS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
3. INSTALL SOUND BARRIER PANEL SUPPORT BRACKETS AS SHOWN IN DETAILS
4. REINSTALL SALVAGED SOUND PANELS.

- - SUPPORT POSTS (NUMBERED SOUTH TO NORTH)
☆ - PANEL SUPPORT REPAIR

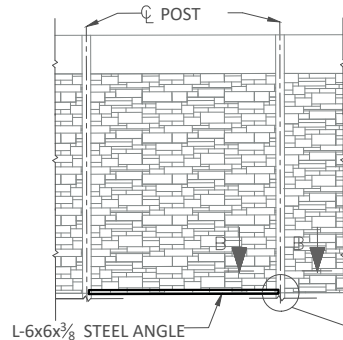
GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.
ORIGINAL CONSTRUCTION YEAR IS 2017.

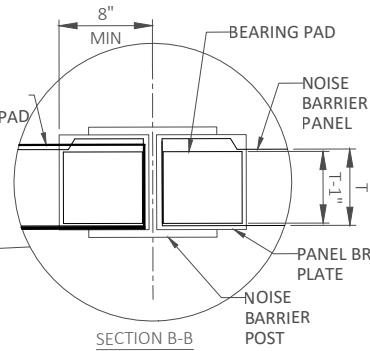
LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION

TOTAL ESTIMATED QUANTITIES			
ITEM NUMBER	BID ITEM	UNIT	TOTAL
SPV.0060.01	PRECAST SOUND BARRIER PANEL SUPPORT REPAIR	EA	2
SPV.0060.02	REMOVING AND REINSTALLING SOUND PANELS	EA	5



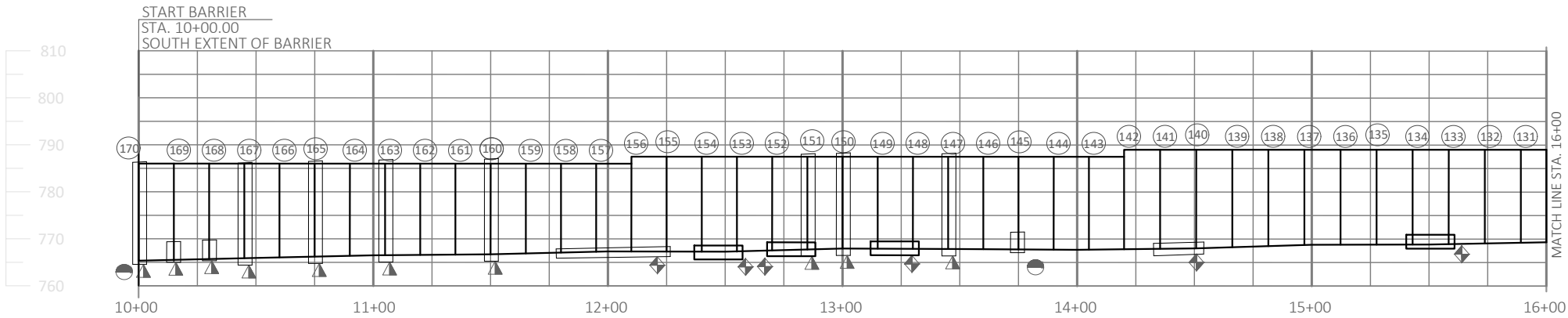
PANEL SUPPORT REPAIR DETAIL
(LOOKING EAST)



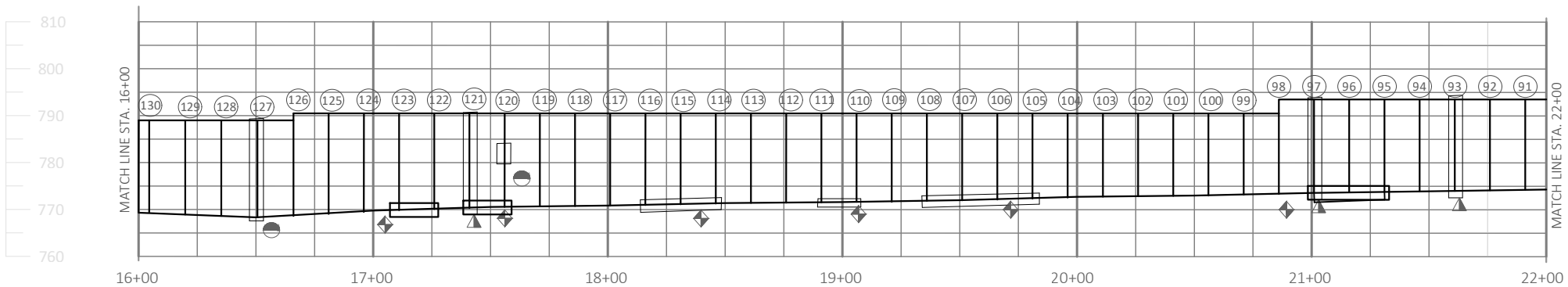
DESIGN CONSULTANT
TOM ROMENESKO, PE
(608) 566-1370

BRIDGE OFFICE CONTACT
AARON BONK, PE
(608) 261-0261

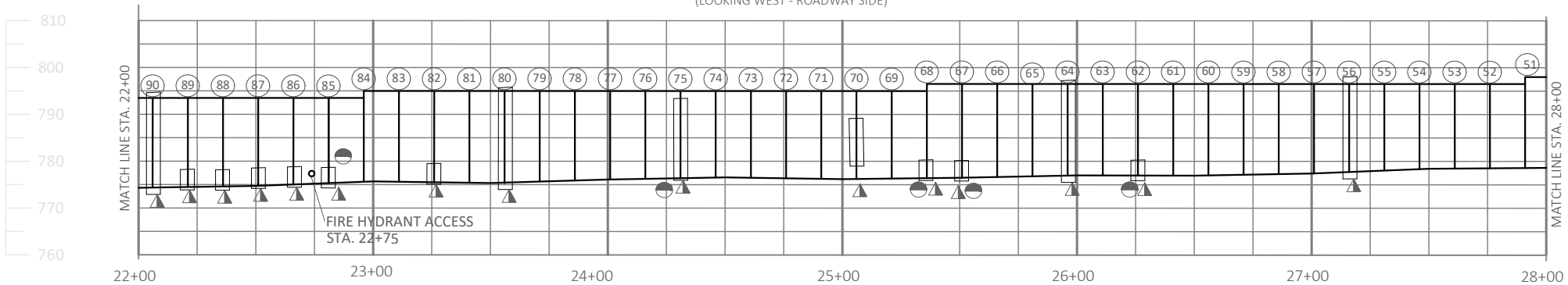
NO.	DATE	REVISION	BY
 DAAR ENGINEERING, INC. www.daarcorp.com Milwaukee, WI 53202 414-225-9817			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE _____			
STRUCTURE N-40-78			
NOISE WALL ON RAMP IH 94 WB TO IH 41 SB			
COUNTY	MILWAUKEE	TOWN/CITY/VILLAGE	WEST ALLIS
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS			
DESIGNED BY	MC	DESIGN CK'D.	TR
DRAWN BY	MC	PLANS CK'D.	TR
GENERAL PLAN & ELEVATION 1			SHEET 1 OF 1 PRE_61



GROUND MOUNTED NOISE BARRIER
(LOOKING WEST - ROADWAY SIDE)



GROUND MOUNTED NOISE BARRIER
(LOOKING WEST - ROADWAY SIDE)



GROUND MOUNTED NOISE BARRIER
(LOOKING WEST - ROADWAY SIDE)

- SUPPORT POST (NUMBERED NORTH TO SOUTH)
- ▲ - REMOVE RUST AND RE-PAINT ON ROADWAY SIDE
- - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- ◆ - REPLACE BOTTOM PANEL SECTION (NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-67-1)

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID ITEM	UNIT	TOTAL
202.0105	ROADSIDE CLEARING	STA	3
517.3001.S.12	STRUCTURE OVERCOATING CLEANING AND PRIMING N-67-1	LS	1
517.4001.S.12	CONTAINMENT AND COLLECTION OF WASTE MATERIAL N-67-1	LS	1
541.0300.S.12	NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-67-1	SF	540
SPV.0060.02	REMOVING AND REINSTALLING SOUND PANELS	EA	18

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.

ORIGINAL CONSTRUCTION YEAR IS 2003.

CLEAN RUSTED AREA OF STRUCTURAL SUPPORT POST (LOCATED ON PLAN AND AS DIRECTED BY FIELD ENGINEER) TO BARE METAL AS PER BID ITEM "STRUCTURE OVERCOAT CLEANING AND PRIMING N-67-01". APPLY PRIMER AND INTERMEDIATE COATS TO THE AREA.

OVERCOAT PAINT THE STRUCTURAL SUPPORT POSTS AND BRACKETS LOCATED ON THE PLANS AND AS DIRECTED BY THE FIELD ENGINEER. PAINT SHALL BE BROWN, AMS STANDARD COLOR NO. 20170.

LIST OF DRAWINGS:

1. GENERAL PLAN & ELEVATION 1
2. GENERAL PLAN & ELEVATION 2



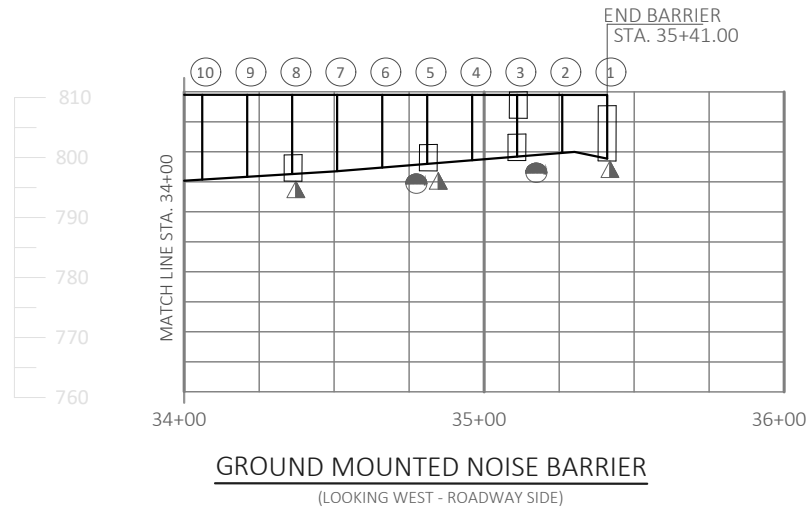
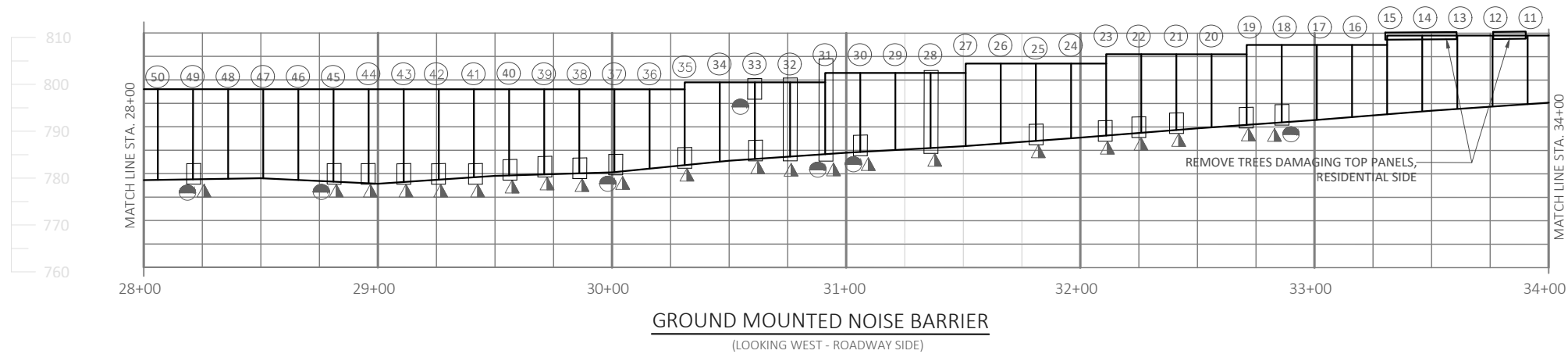
DESIGN CONSULTANT

TOM ROMENESKO, PE
(608) 566-1370

BRIDGE OFFICE CONTACT

AARON BONK, PE
(608) 261-0261

NO.	DATE	REVISION	BY
 www.daarcorp.com Milwaukee, WI 53202 414-225-9817			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE _____			
STRUCTURE N-67-01			
NOISE WALL AT ON RAMP FROM PILGRIM RD. TO SB I-41			
COUNTY	TOWN/CITY/VILLAGE		
WAUKESHA	OCONOMOWOC		
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS			
DESIGNED BY	MC	DESIGN CK'D. TR	DRAWN BY MC PLANS CK'D. TR
GENERAL PLAN & ELEVATION 1			SHEET 1 OF 2 PRE_62



PANEL REPLACEMENT SEQUENCE

- 1. LOCATE DAMAGED SOUND PANEL
- 2. REMOVE AND SALVAGE EXISTING UNDAMAGED PANELS FROM THE STRUCTURAL SUPPORT POSTS BY LIFTING THEM OUT, COST TO REMOVE, STORE, AND REINSTALL THE SOUND PANELS IS INCLUDED IN THE BID ITEM "REMOVING AND REINSTALLING SOUND PANELS". ANY DAMAGE TO THE SOUND PANELS REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
- 3. REPLACE IDENTIFIED DAMAGED PANEL. BID ITEM "NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE (N-67-01)".

- SUPPORT POST (NUMBERED NORTH TO SOUTH)
- ▲ - REMOVE RUST AND RE-PAINT ON ROADWAY SIDE
- - REMOVE RUST AND RE-PAINT ON RESIDENTIAL SIDE
- ◆ - REPLACE BOTTOM PANEL SECTION (NOISE BARRIER DOUBLE-SIDED SOUND ABSORPTIVE N-67-1

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE N-67-01			
	DRAWN BY	MC	PLANS CK'D. TR
GENERAL PLAN & ELEVATION 2		SHEET 2 OF 2 PRE_63	

EPlans Preliminary Sheet Numbering Tool

This sheet: ftp://ftp.dot.state.wi.us/transp/roads/eplans/prelim_sheet_numbers.pdf

Notes

- Acrobat 5 or higher is required to use this tool.
- The Bureau of Highway Construction places sheet numbers in the final plan.
- This sheet is for placing preliminary sheet numbers with a "PRE_" prefix.
- If a plan contains multiple projects, number each plan individually.
- Leave this sheet in the plan.

TO ADD PRELIMINARY SHEET NUMBERS

- 1. Insert this sheet at the end of the plan**
 - a. With the plan open in Acrobat, select Document > Insert Pages.
 - b. In the Select File to Insert dialog box, select this file (prelim_sheet_numbers.pdf)
 - c. In the Insert dialog box, choose After for Location and Last page for Page.
 - d. Click OK.
- 2. Click the Place Preliminary Sheet Numbers button**
 - a. Go to the last sheet of the plan.
 - b. Click the Place Preliminary Sheet Numbers button once.
(The preliminary sheet number appears in the bottom right corner of the sheets.
The number should match te page number in the Acrobat Status bar).
- 3. Re-Save the PDF**
 - a. Select File > Save As and save the PDF.



TO REMOVE PRELIMINARY SHEET NUMBERS

