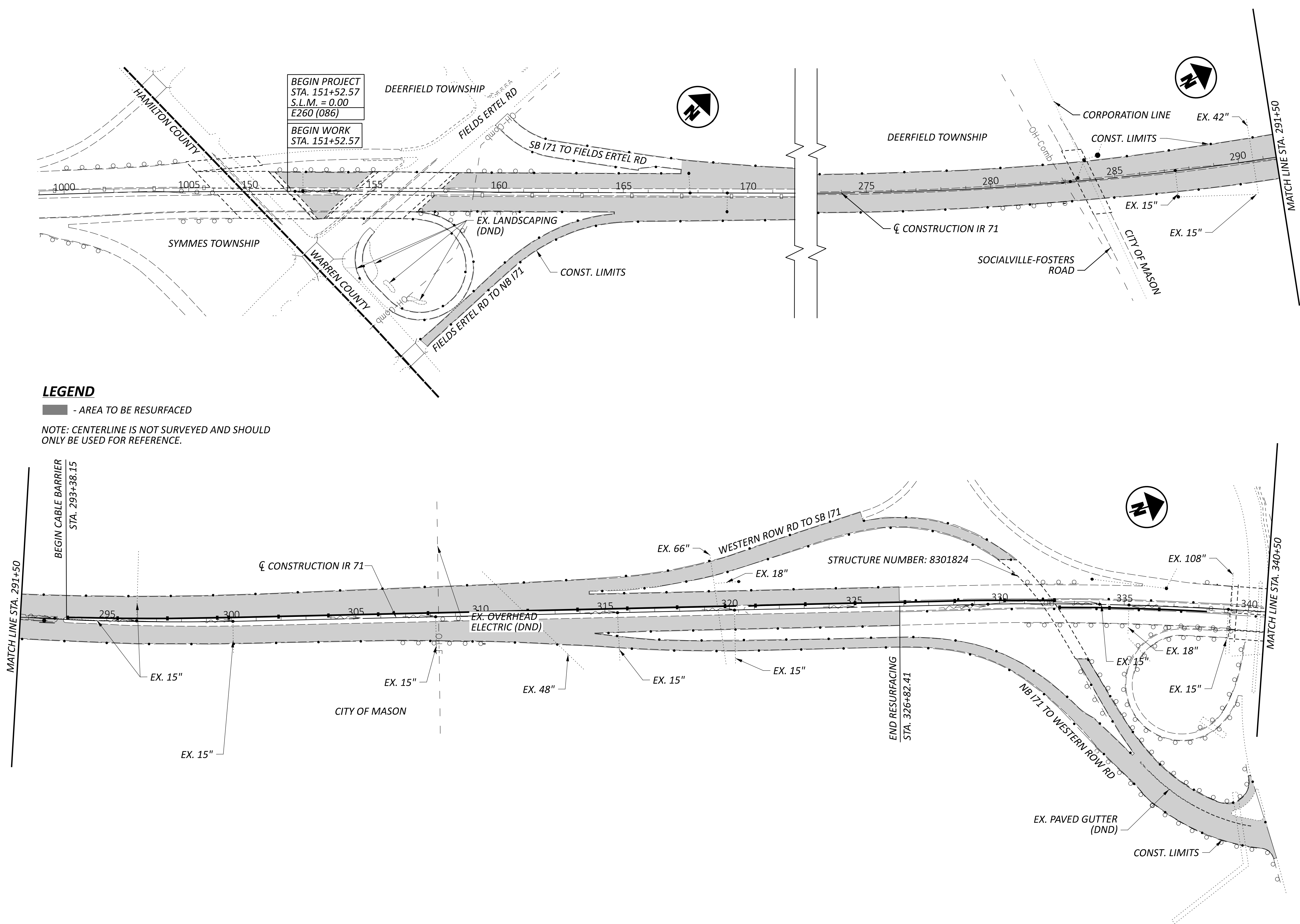




HORIZONTAL
SCALE IN FEET
0 100 200 400

SCHEMATIC PLAN - IR 71

BEGIN WORK TO STA. 340+50

DESIGN AGENCY

DESIGNER

HMS

REVIEWER

GAT

PROJECT ID

03-27-26

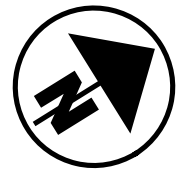
112413

SHEET

P.2

TOTAL

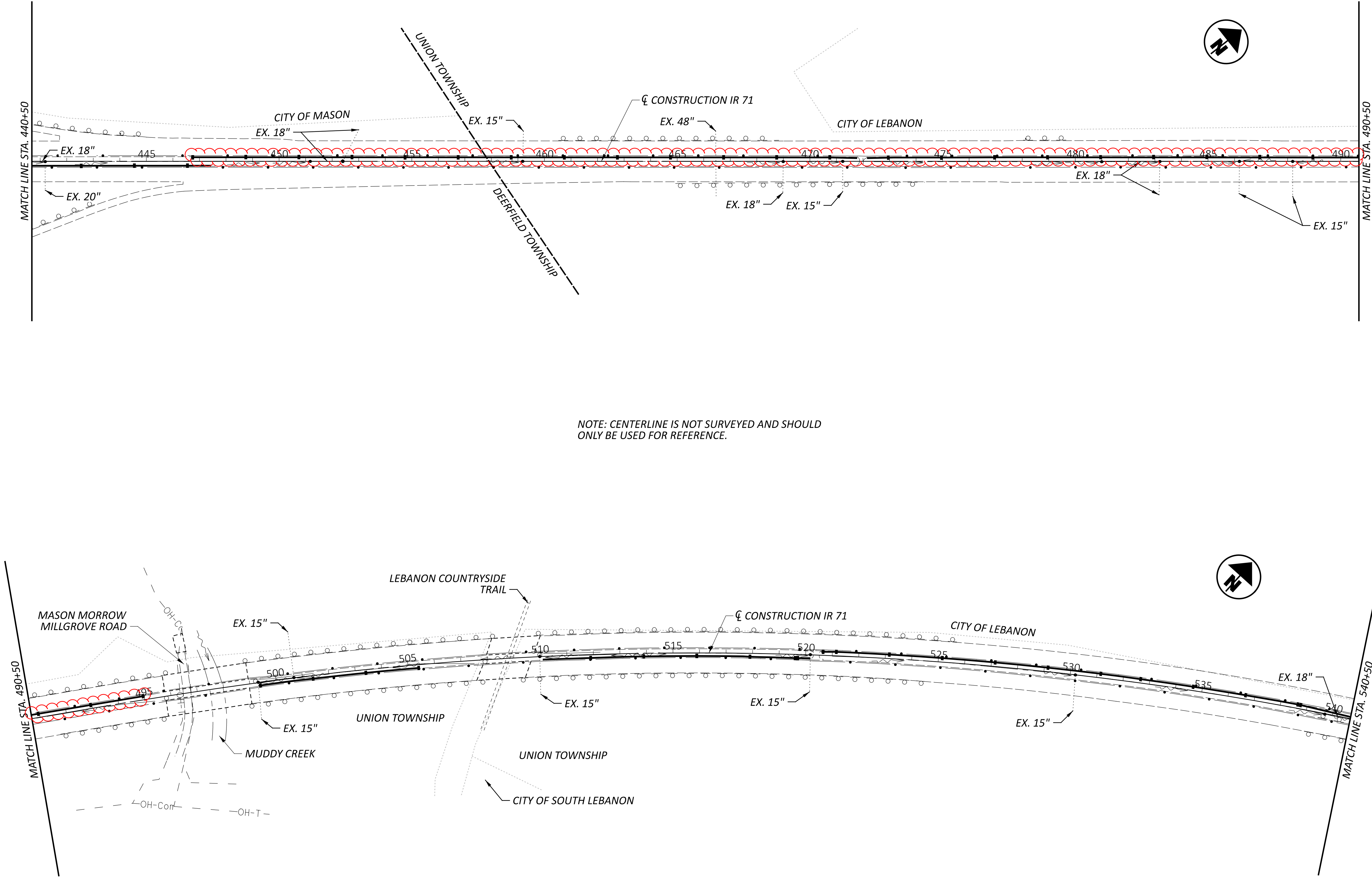
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SHEET	TOTAL
P.3	5

HORIZONTAL
SCALE IN FEET

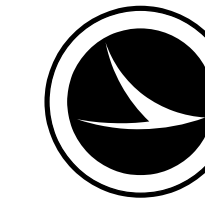
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SCHEMATIC PLAN - IR 71
STA. 440+50 TO 540+50



DESIGN AGENCY



DESIGNER

HMS

REVIEWER

GAT 03-27-26

PROJECT ID

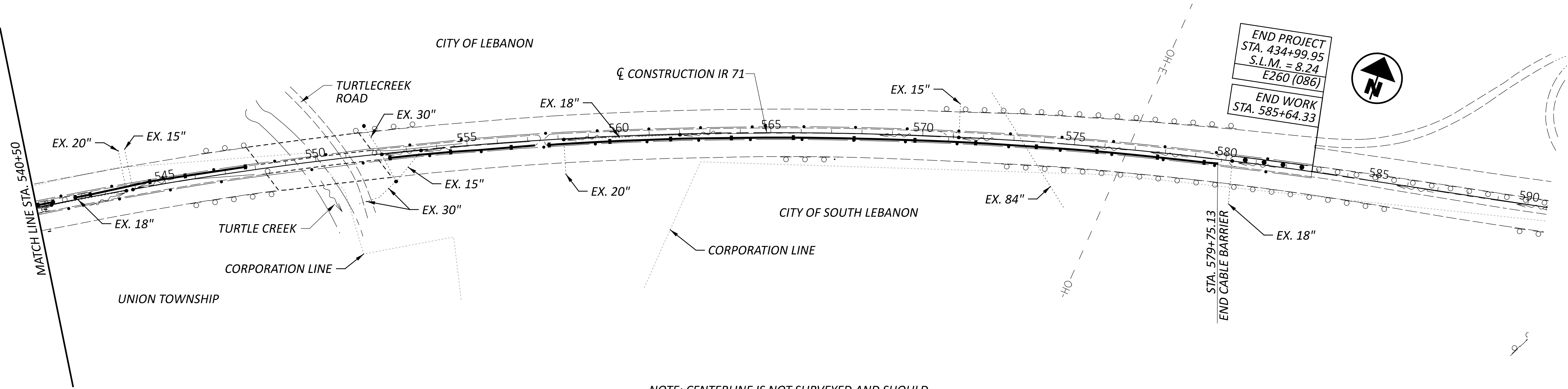
112413

SHEET

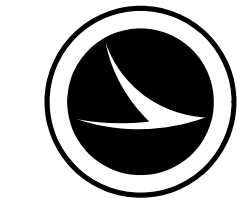
P.4

TOTAL

55



NOTE: CENTERLINE IS NOT SURVEYED AND SHOULD ONLY BE USED FOR REFERENCE.



DESIGN AGENCY

DESIGNER

HMS

REVIEWER

GAT 03-27-26

PROJECT ID

112413

SHEET

P.5

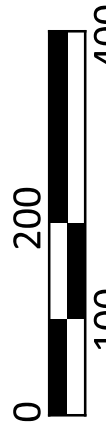
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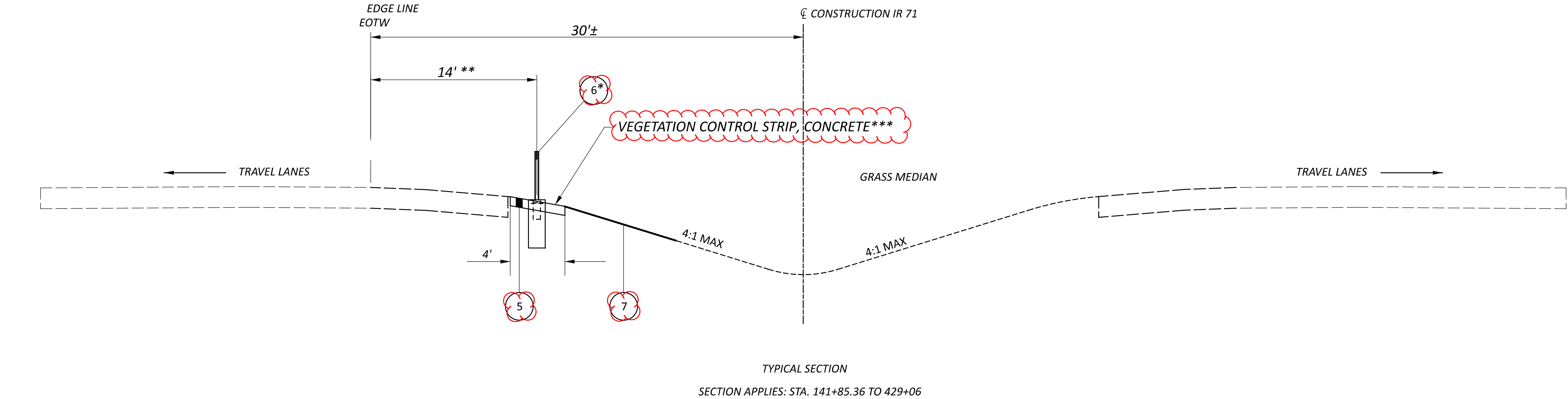
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SCHEMATIC PLAN - IR 71

STA. 540+50 TO END WORK

HORIZONTAL
SCALE IN FEET





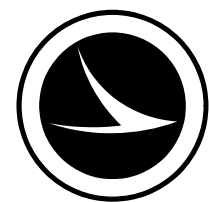
LEGEND

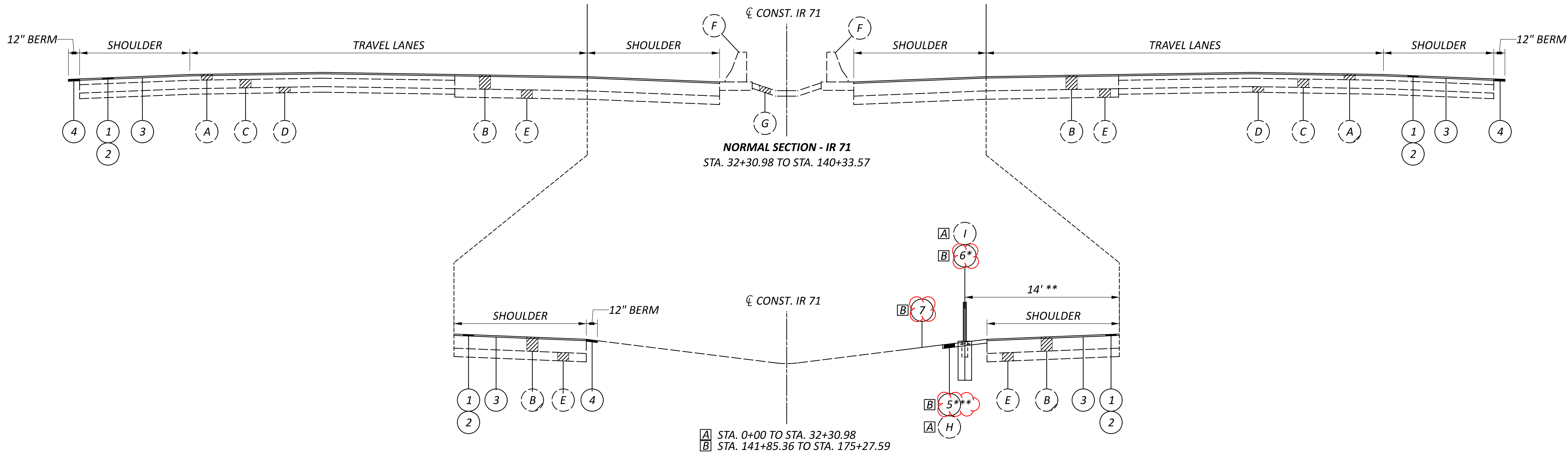
- | | |
|---|--|
| (A) EXISTING ASPHALT CONCRETE PAVEMENT 6.25" | (1) ITEM 254 - PAVEMENT PLANNING, ASPHALT CONCRETE 1.5" |
| (B) EXISTING ASPHALT CONCRETE PAVEMENT 15.25" | (2) ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A, (447) 1.5" |
| (C) EXISTING RUBBILIZED CONCRETE PAVEMENT 9" | (3) ITEM 407 - NON-TRACKING TACK COAT |
| (D) EXISTING GRANULAR BASE 6" | (4) ITEM 617 - COMPACTED AGGREGATE, 2" DEPTH, 12" WIDTH |
| (E) EXISTING AGGREGATE 9" | (5) ITEM 610 - VEGETATION CONTROL STRIP, CONCRETE |
| (F) EXISTING CONCRETE BARRIER, TYPE D | (6) ITEM 610 - CABLE BARRIER |
| (G) EXISTING PAVED GUTTER | (7) ITEM 659 - SEEDING AND MULCHING |
| (H) EXISTING CONCRETE MOW STRIP | |
| (I) EXISTING CABLE BARRIER | |

* PLACE POSTS LT OR RT OF $\mathcal{C}$ AT THE LOCATIONS LISTED IN THE ESTIMATED QUANTITIES SHEET

** DISTANCE FROM EDGE OF TRAVELED WAY TO CABLE RAIL SHALL BE A MINIMUM OF 12 FEET, OR 2 FEET FROM THE EDGE OF TREATED SHOULDER IF THE TREATED SHOULDER IS MORE THAN 10 FEET WIDE. AT THE DISCRETION OF THE CONTRACTOR AND THE PROJECT ENGINEER, THE DISTANCE CAN BE ALTERED IF CONSTRUCTABILITIY AND/OR MAINTENANCE OF TRAFFIC ISSUES WARRANT A CHANGE AND FOR THAT REFER TO THE SHEETS P.22 -P.51 . THE ACCEPTABLE RANGE FOR PLACEMENT OF THE CABLE RAIL IS A MINIMUM OF 12 FEET FROM THE EDGE OF TRAVELED WAY (EOTW) AND A MINIMUM OF 8 FEET FROM THE DITCH BOTTOM.

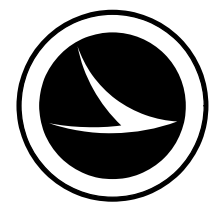
*** CONSTRUCT **VEGETATION CONTROL STRIP** SLOPED TO MATCH ADJACENT MEDIAN GRADING





- (A) EXISTING ASPHALT CONCRETE PAVEMENT 6.25"
- (B) EXISTING ASPHALT CONCRETE PAVEMENT 15.25"
- (C) EXISTING RUBBILIZED CONCRETE PAVEMENT 9"
- (D) EXISTING GRANULAR BASE 6"
- (E) EXISTING AGGREGATE 9"
- (F) EXISTING CONCRETE BARRIER, TYPE D
- (G) EXISTING PAVED GUTTER
- (H) EXISTING CONCRETE MOW STRIP
- (I) EXISTING CABLE BARRIER
- (1) ITEM 254 - PAVEMENT PLANNING, ASPHALT CONCRETE 1.5"
- (2) ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A, (447) 1.5"
- (3) ITEM 407 - NON-TRACKING TACK COAT
- (4) ITEM 617 - COMPACTED AGGREGATE, 2" DEPTH, 12" WIDTH
- (5) ITEM 610 - VEGETATION CONTROL STRIP, CONCRETE
- (6) ITEM 610 - CABLE BARRIER
- (7) ITEM 659 - SEEDING AND MULCHING

NOTE: SEE PLAN SHEETS FOR PROPOSED CABLE BARRIER LOCATIONS
SEE PREVIOUS SHEET FOR NOTES *, **, AND ***



UTILITIES

THIS PROJECT REQUIRES THE INSTALLATION OF NEW GUARDRAIL POSTS. SURVEY WORK HAS NOT BEEN PERFORMED ON THIS PROJECT, NOR HAVE THE UTILITY LOCATIONS BEEN CONFIRMED IN THE FIELD. IN ADDITION TO CMS 105.07, IF, DURING THE COURSE OF INSTALLING ANY NEW GUARDRAIL COMPONENT, IT IS DETERMINED THAT A UTILITY CONFLICT MAY RESULT, THE CONTRACTOR IS TO NOTIFY THE PROJECT ENGINEER IMMEDIATELY. UTILITIES ARE NOT TO BE RELOCATED AS A RESULT OF THIS OPERATION. ADJUSTMENTS TO THE PROPOSED GUARDRAIL WILL ACCOMMODATE THE EXISTING UTILITY. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE GUARDRAIL VIA MEANS THAT WOULD BE COMPLIANT WITH THE IMPACTED UTILITY'S SAFETY GUIDELINES AS WELL AS STILL MEETING ODOT'S DESIGN CRITERIA. ANY MINOR ADJUSTMENTS MADE TO THE PROPOSED GUARDRAIL INSTALLATIONS SHALL BE INCIDENTAL TO PAY ITEM 606. THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER OR ADJACENT TO THE WORK AREA.

UTILITY NOTIFICATION

THE OHIO DEPARTMENT OF TRANSPORTATION HAS UTILITY FACILITIES (HIGHWAY LIGHTING, TRAFFIC SIGNALS, AND ITS) WITHIN THE LIMITS OF THIS PROJECT.

IN ADDITION TO THE INFORMATION OUTLINED IN THE UTILITY NOTE OF THIS CONTRACT, THE CONTRACTOR SHALL TAKE THE FOLLOWING ACTION TO PROTECT ODOT'S FACILITIES DURING CONSTRUCTION:

HIGHWAY LIGHTING AND TRAFFIC SIGNALS:

EVEN THOUGH ODOT IS LISTED AS A MEMBER OF THE OHIO UTILITIES PROTECTION SERVICE (OUPS), THE CONTRACTOR ON THIS PROJECT IS REQUIRED TO CONTACT ODOT, DISTRICT 8 TRAFFIC MAINTENANCE DEPARTMENT DIRECTLY SO THAT THE ODOT UTILITIES LOCATED WITHIN THIS PROJECT ARE MARKED. THE CONTRACTOR SHALL NOTIFY DISTRICT 8 TRAFFIC MAINTENANCE AT 513-933-6689 AND THE PROJECT ENGINEER, FOURTEEN (14) CALENDAR DAYS IN ADVANCE OF ANY WORK, FOR THE NEED TO MARK ODOT OWNED UTILITIES.

ITS:

ITS FACILITIES ARE NOT LISTED WITH OUPS, SO THE CONTRACTOR IS REQUIRED TO CONTACT ODOT CENTRAL OFFICE ITS LAB DIRECTLY SO THAT THE ODOT UTILITIES LOCATED WITHIN THIS PROJECT ARE MARKED. THE CONTRACTOR SHALL NOTIFY ODOT CENTRAL OFFICE ITS LAB AT THE CONTACT INFORMATION LISTED BELOW AND THE PROJECT ENGINEER, FOURTEEN (14) CALENDAR DAYS IN ADVANCE OF ANY WORK FOR THE NEED TO MARK ODOT OWNED UTILITIES.

CENTRAL OFFICE ITS LAB
614-387-4113 - PHONE
614-887-4134 - FAX
CEN.ITS.LAB@DOT.STATE.OH.US – EMAIL

THE ABOVE REQUIREMENTS ARE IN ADDITION TO SECTION 105.07 & 107.16 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS AND THE UTILITY PROPOSAL NOTE.

THE CONTRACTOR SHALL NOTIFY OTHER UTILITIES THROUGH OUPS OR DIRECTLY A MINIMUM OF FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY WORK.

THE COST FOR THE ABOVE DESCRIBED WORK IS INCIDENTAL TO THE OVERALL BID PRICE OF THE PROJECT.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

ITEM 623 - CONSTRUCTION LAYOUT STAKES, AS PER PLAN

PRIOR TO THE START OF ROADWAY OPERATION, THE CONTRACTOR SHALL REFERENCE THE LENGTH OF THE PROJECT ON BOTH SIDES OF THE ROADWAY, IN A MANNER SATISFACTORY TO THE ENGINEER, THE PAVEMENT SHALL BE REFERENCED IN 1000 FOOT INCREMENTS OR IN INCREMENTS ACCEPTABLE TO THE ENGINEER, IN A SEMIPERMANENT CONDITION.

ITEM 610 - CABLE BARRIER, (GIBALTAR) (ALTERNATE 2)

ITEM 610 - CABLE BARRIER, (GIBALTAR) SHALL BE SUBJECT TO THE REQUIREMENTS OF ITEM 610 - CABLE BARRIER (ALTERNATE 1), AND SHALL BE CONSTRUCTED WITH THE GIBALTAR CABLE BARRIER SYSTEM.

ITEM 610 - CABLE BARRIER, (SAFENCE) (ALTERNATE 3)

ITEM 610 - CABLE BARRIER, (SAFENCE) SHALL BE SUBJECT TO THE REQUIREMENTS OF ITEM 610 - CABLE BARRIER (ALTERNATE 1), AND SHALL BE CONSTRUCTED WITH THE SAFENCE CABLE BARRIER SYSTEM.

ITEM 610 - CABLE BARRIER, ANCHOR TERMINAL, (GIBALTAR) (ALTERNATE 2)

ITEM 610 - CABLE BARRIER, ANCHOR TERMINAL, (GIBALTAR) (ALTERNATE 2) SHALL BE SUBJECT TO THE REQUIREMENTS OF ITEM 610 - CABLE BARRIER, ANCHOR TERMINAL (ALTERNATE 1), AND SHALL BE CONSTRUCTED WITH THE GIBALTAR CABLE BARRIER SYSTEM.

ITEM 610 - CABLE BARRIER, ANCHOR TERMINAL, (SAFENCE) (ALTERNATE 3)

ITEM 610 - CABLE BARRIER, ANCHOR TERMINAL, (SAFENCE) (ALTERNATE 3) SHALL BE SUBJECT TO THE REQUIREMENTS OF ITEM 610 - CABLE BARRIER, ANCHOR TERMINAL (ALTERNATE 1), AND SHALL BE CONSTRUCTED WITH THE SAFENCE CABLE BARRIER SYSTEM.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE MASH 2016 TYPE E TANGENETIAL END TREATMENTS FOR TYPE MGS GUARDRAIL AS LISTED UNDER "PRODUCTS ACCEPTED FOR NEW INSTALLATIONS" ON THE ROADWAY APPROVED PRODUCTS LIST POSTED ON ROADWAY ENGINEERING'S WEB PAGE. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. REFER TO THE POSTED SHOP DRAWINGS FOR THE MOST CURRENT APPROVED PRODUCT MODELS.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH SOLID FLUORESCENT YELLOW REBOUNDABLE RETROREFLECTIVE SHEETING, PER CMS 730.191.

WHEN THE FACE OF THE ADJACENT (ATTACHED) GUARDRAIL IS LESS THAN 4' OFFSET FROM THE PROPOSED EDGE LINE, AND PERMITTING SITE CONDITIONS EXIST: THE PROPOSED TYPE E ANCHOR ASSEMBLY SHALL BE INSTALLED AT A CONSISTENT FLARE RATE THROUGH THE FULL LENGTH OF THE SYSTEM. THE FLARE RATE SHALL BE A MAXIMUM OF 25:1 (RESULTING IN A 2' OFFSET). THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE SHOP DRAWINGS, PRODUCT INSTALLATION MANUAL/GUIDANCE, AND AS DIRECTED BY THE ENGINEER.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

PERMANENT PAVEMENT MARKINGS

THE CONTRACTOR SHALL REFERENCE ALL PAVEMENT MARKINGS INCLUDING AUXILIARY PAVEMENT MARKINGS BEFORE THE START OF THE RESURFACING OPERATION. THIS WILL BE NECESSARY TO ASSURE THE CORRECT PLACEMENT OF MARKINGS IN ORIGINAL LOCATIONS (EXCEPT WHERE SHOWN IN PAVEMENT MARKING PLAN SHEETS).

PAYMENT FOR THIS OPERATION SHALL BE INCLUDED WITH EACH RESPECTIVE PAY ITEM.

ITEM 202 - REMOVAL MISC.: MEDIAN CROSSOVER

THIS PAY ITEM SHALL INCLUDE THE COST TO REMOVE AND DISPOSE OF THE MEDIAN CROSSOVER THAT HAS BEEN MARKED FOR REMOVAL IN THE PLANS. THIS OPERATION SHALL BE PERFORMED PRIOR TO THE CONSTRUCTION OF CONCRETE MOW STRIP AND CABLE BARRIER. CONSTRUCT GRADE TO MATCH EXISTING ON EITHER SIDE OF THE MEDIAN CROSSOVER.

ALL MATERIAL, LABOR, AND EQUIPMENT TO REMOVE THE MEDIAN CROSSOVER SHALL BE PAID FOR UNDER ITEM 202 - REMOVAL MISC.: MEDIAN CROSSOVER

GENERAL NOTES

DESIGN AGENCY



DESIGNER

HMS

REVIEWER

GAT 03-27-26

PROJECT ID

112413

SHEET

P.8

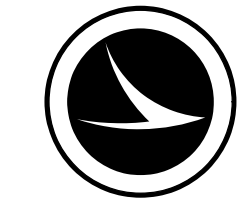
TOTAL

55

SHEET NUMBER											PART.		ALT	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
P.9	P.14	P.15	P.16	P.52							01/IMS	02/SAE	(X)		EXT	TOTAL			
																		ROADWAY	
			4,037.5								4,037.5			202	38000	4,037.5	FT	GUARDRAIL REMOVED	
			313								313			202	38300	313	FT	GUARDRAIL REMOVED, BARRIER DESIGN	
			11								11			202	42010	11	EACH	ANCHOR ASSEMBLY REMOVED, TYPE E	
	1		7								7	1		202	42040	8	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T	
	1		15								15	1		202	47000	16	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	
	1		3								3	1		202	47800	4	EACH	IMPACT ATTENUATOR REMOVED	
	102											102		202	98300	102	SY	REMOVAL MISC.: MEDIAN CROSSOVER	P.8
	225		4,062.5								4,062.5	225		606	15100	4,287.5	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS	
	25		337.5								337.5	25		606	15550	362.5	FT	GUARDRAIL, BARRIER DESIGN, TYPE MGS	
			11								11			606	26150	11	EACH	ANCHOR ASSEMBLY, MGS TYPE E	
	1		6								6	1		606	26550	7	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
	1		10								10	1		606	35002	11	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
			2								2			606	35006	2	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1, BARRIER DESIGN	
			2								2			606	35102	2	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	
	1		3								3	1		606	60012	4	EACH	IMPACT ATTENUATOR, TYPE 1 (BIDIRECTIONAL)	
	11,877											11,877		610	50000	11,877	SY	VEGETATION CONTROL STRIP, CONCRETE	P.8
																		ROADWAY ALTERNATES	
	25,843										25,843		X	610	10000	25,843	FT	CABLE BARRIER (ALTERNATE 1)	P.8
	25,843										25,843		X	610	10000	25,843	FT	CABLE BARRIER (GIBALTAR) (ALTERNATE 2)	P.8
	25,843										25,843		X	610	10000	25,843	FT	CABLE BARRIER (SAFENCE) (ALTERNATE 3)	P.8
	32										32		X	610	10100	32	EACH	CABLE BARRIER, ANCHOR TERMINAL (ALTERNATE 1)	P.8
	32										32		X	610	10100	32	EACH	CABLE BARRIER, ANCHOR TERMINAL (GIBALTAR) (ALTERNATE 2)	P.8
	32										32		X	610	10100	32	EACH	CABLE BARRIER, ANCHOR TERMINAL (SAFENCE) (ALTERNATE 3)	P.8
																		EROSION CONTROL	
1,285												1,285		659	00300	1,285	CY	TOPSOIL	
11,577												11,577		659	10000	11,577	SY	SEEDING AND MULCHING	
1.56												1.56		659	20000	1.56	TON	COMMERCIAL FERTILIZER	
2.39												2.39		659	31000	2.39	ACRE	LIME	
62.5												62.5		659	35000	62.5	MGAL	WATER	
												LS		832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
												LS		832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
												LS		832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
											2,000	2,000		832	30000	4,000	EACH	EROSION CONTROL	
																		PAVEMENT	
		316,062									316,062			254	01000	316,062	SY	PAVEMENT PLANING, ASPHALT CONCRETE 1.5" DEPTH	
		3,168									3,168			254	01600	3,168	SY	PATCHING PLANED SURFACE	
2,500											2,500			255	19000	2,500	SY	FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, TYPE 1, CLASS QC RS	
		28,446									28,446			407	20000	28,446	GAL	NON-TRACKING TACK COAT	
		8,997									8,997			442	00100	8,997	CY	ANTI-SEGREGATION EQUIPMENT	
		13,170									13,170			442	10300	13,170	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)	
			225								225			609	23001	225	FT	COMBINATION CURB AND GUTTER, TYPE 4, AS PER PLAN	P.9
		309									309			617	10100	309	CY	COMPACTED AGGREGATE	
		5,564									5,564			617	20000	5,564	SY	SHOULDER PREPARATION	
		6									6			617	25000	6	MGAL	WATER	
		13.32									13.32			618	40600	13.32	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
																		TRAFFIC CONTROL	
1,090											1,090			621	00100	1,090	EACH	RPM	
1,090											1,090			621	54000	1,090	EACH	RAISED PAVEMENT MARKER REMOVED	
	4		10								10	4		626	00110	14	EACH	BARRIER REFLECTOR, TYPE 2 (BI-DIRECTIONAL)	
	266		41								41			626	00110	41	EACH	BARRIER REFLECTOR, TYPE 2 (ONE-WAY)	
												266		626	00118	266	EACH	BARRIER REFLECTOR, TYPE 6	
											354			644	00720	354	FT	CHEVRON MARKING	
				354							25			644	01300	25	EACH	LANE ARROW	
				4							4			644	01350	4	EACH	LANE REDUCTION ARROW	
				5							5			644	01360	5	EACH	WRONG WAY ARROW	
18											18			644	30020	18	EACH	REMOVAL OF PAVEMENT MARKING	
TRAFFIC CONTROL (CONT.)																			

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

HMS

REVIEWER

GAT 03-27-26

PROJECT ID

112413

SHEET

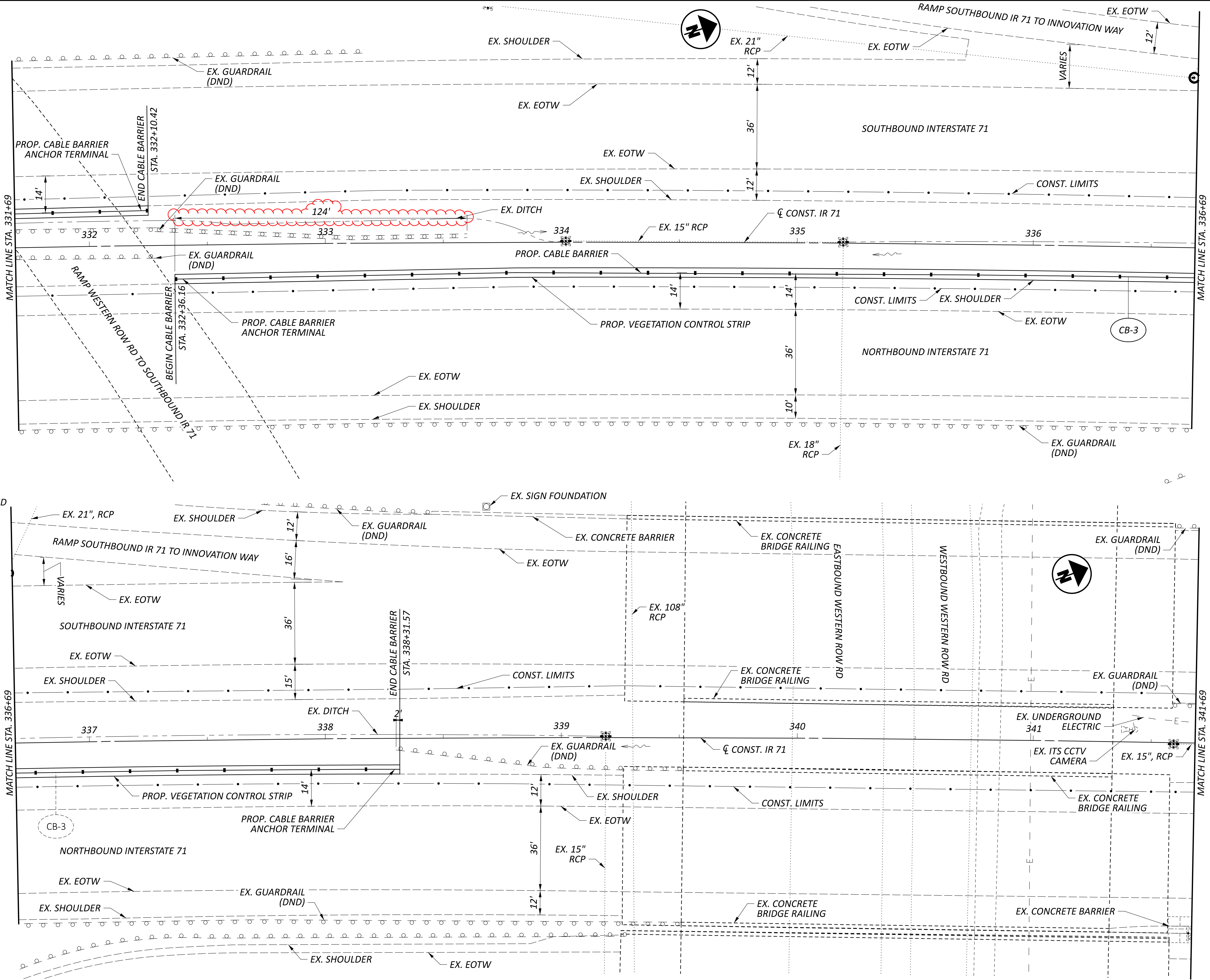
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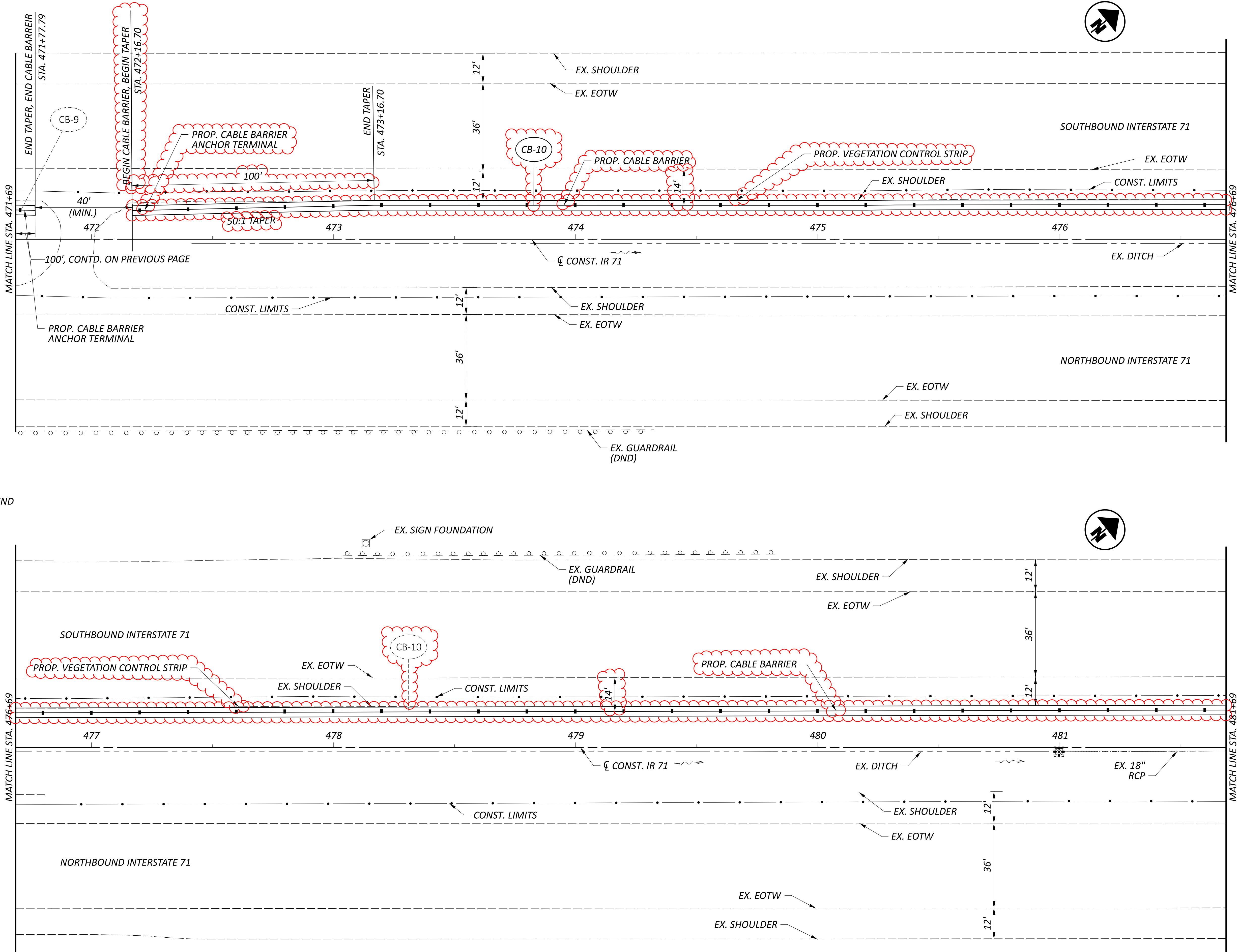
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DESIGN AGENCY	
	
DESIGNER	
HMS	
REVIEWER	
GAT	03-27-26
PROJECT ID	
112413	
SHEET	TOTAL
P.14	55

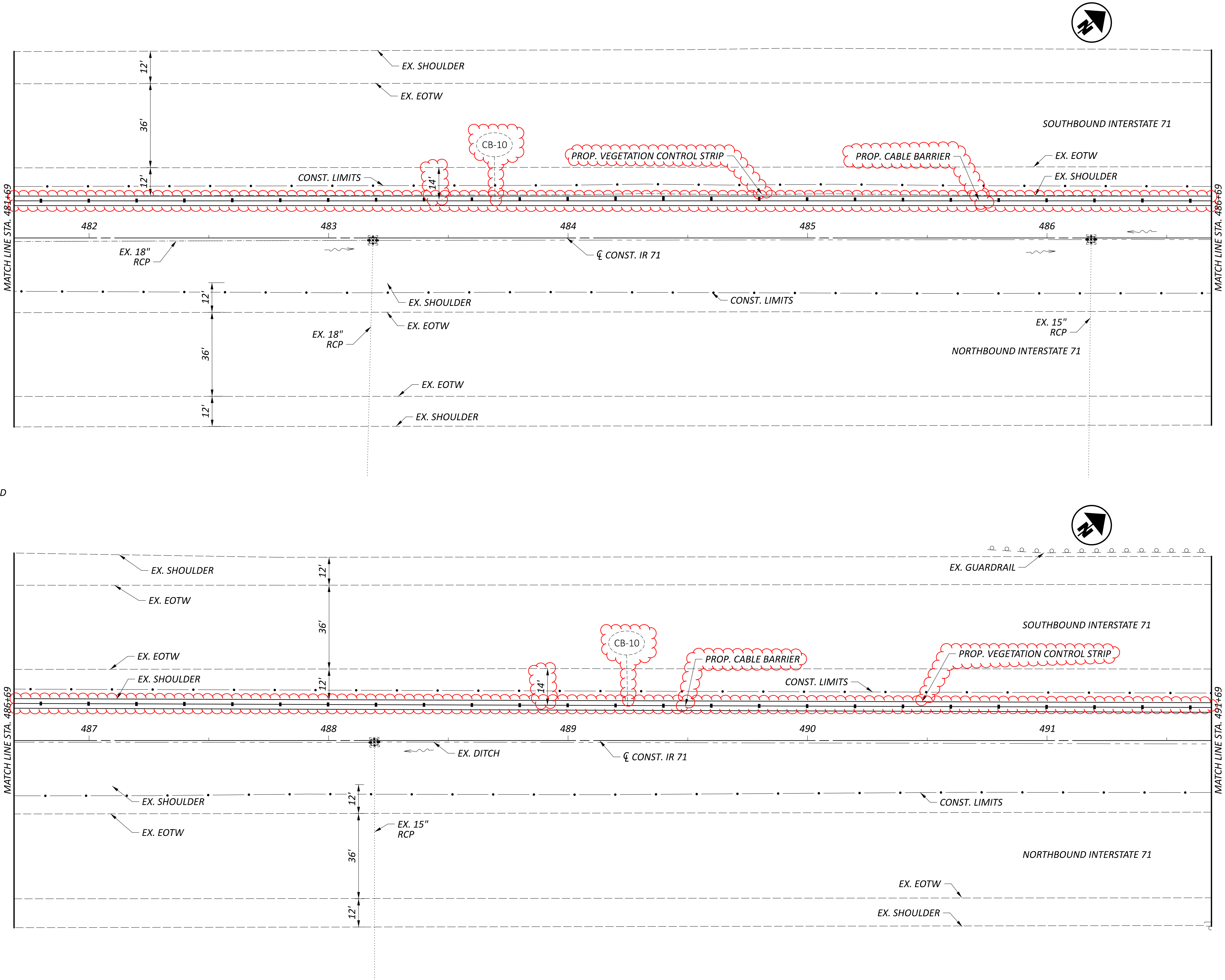
SEE SHEET P.22 FOR LEGEND



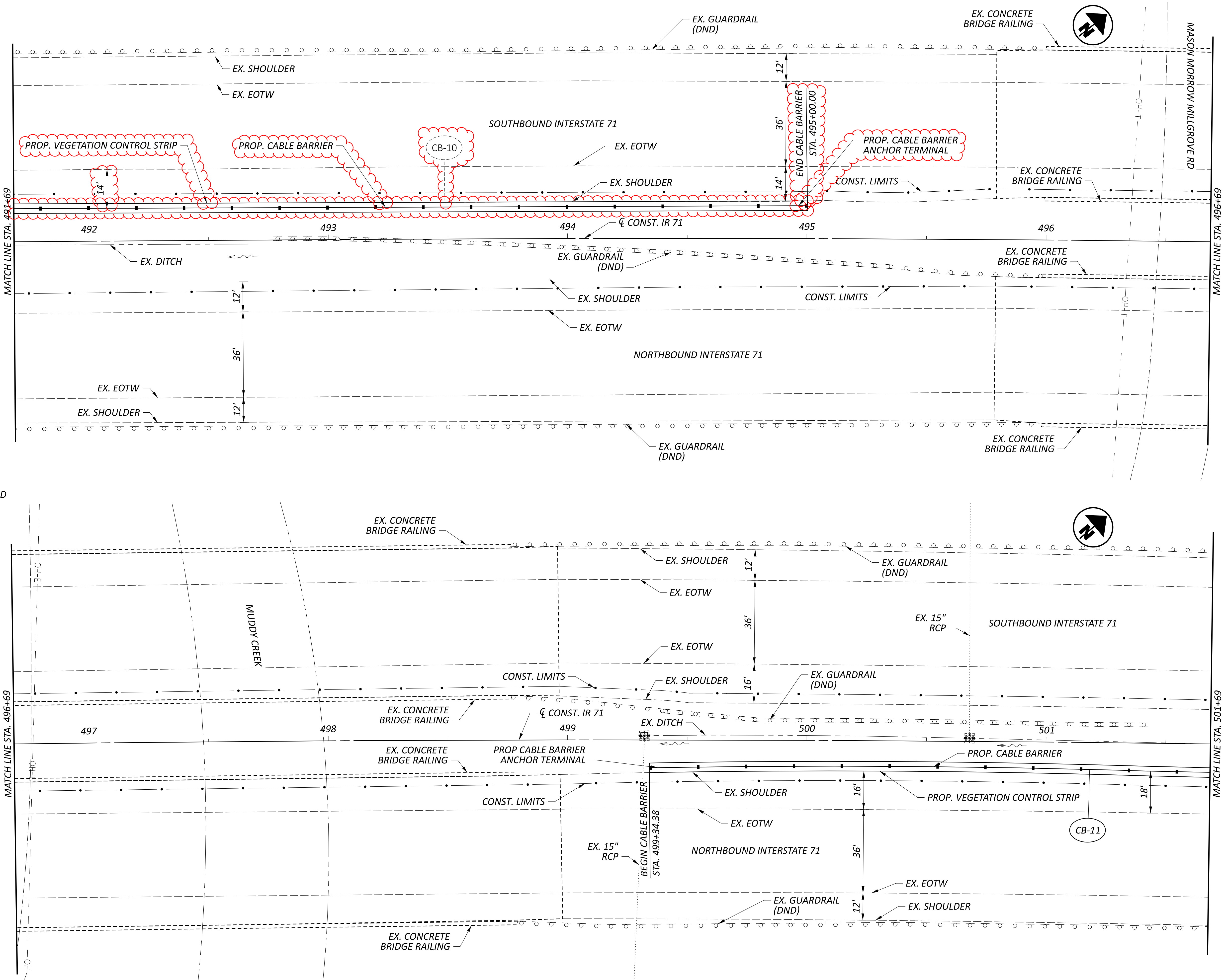
SEE SHEET P.22 FOR LEGEND



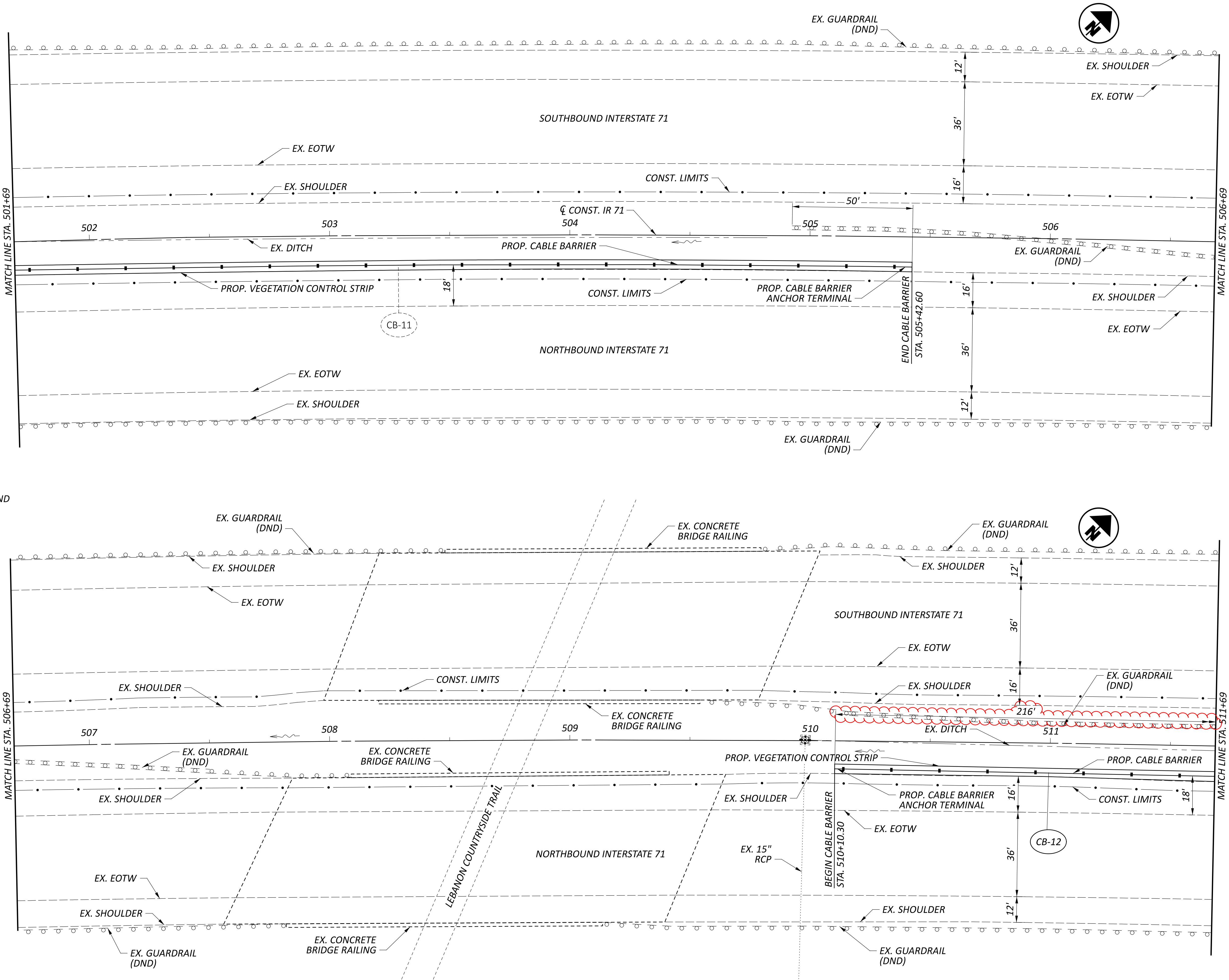
SEE SHEET P.22 FOR LEGEND



SEE SHEET P.22 FOR LEGEND



SEE SHEET P.22 FOR LEGEND



SEE SHEET P.22 FOR LEGEND

