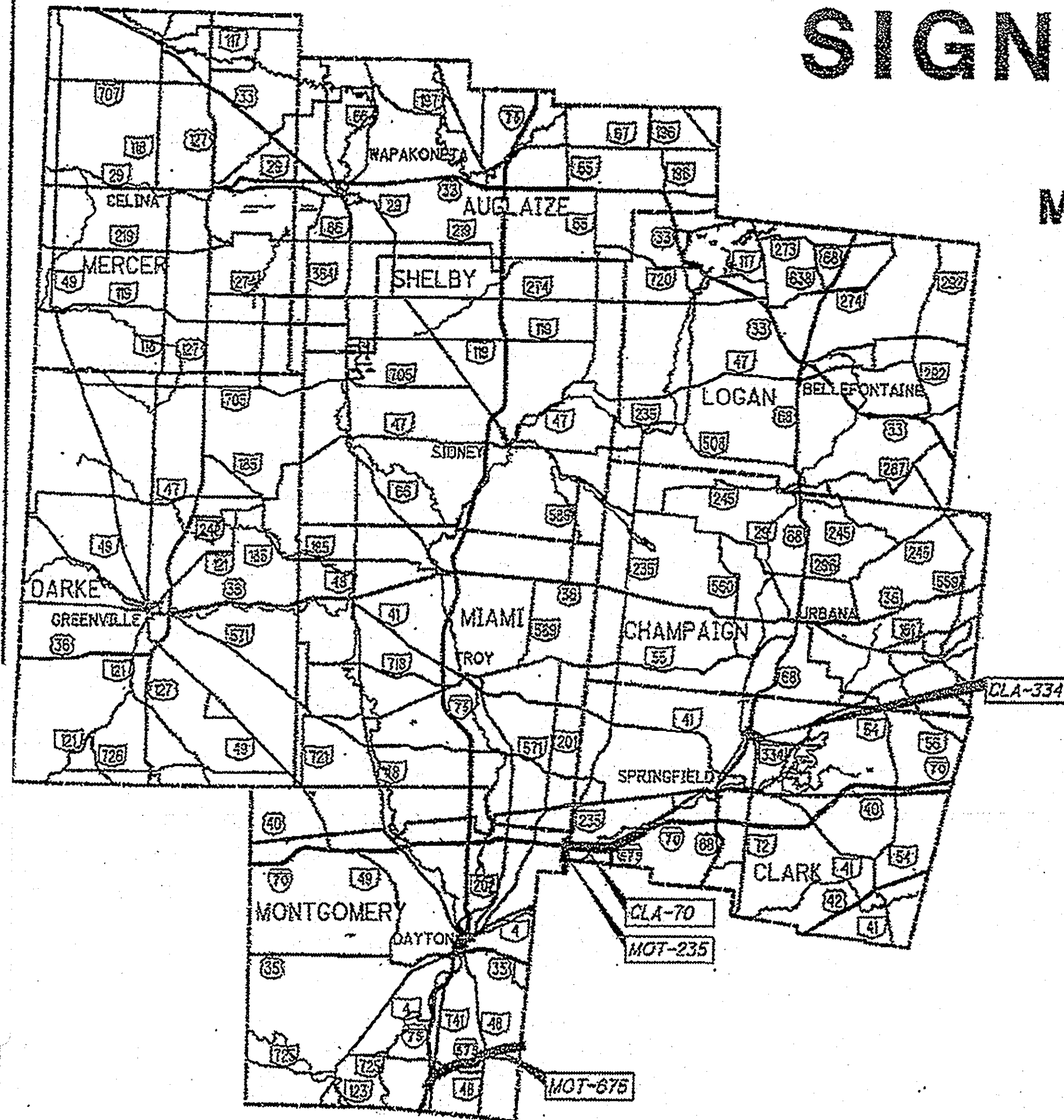


STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
MOT/CLA GUIDE
SIGN REPLACEMENT
DISTRICT 7 SIGNING
MONTGOMERY COUNTY
CLARK COUNTY



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PROJECT DESCRIPTION

GUIDE SIGN UPGRADE IN CLARK COUNTY ALONG SR 334 FROM STA. 634+00 TO 684+82 AND FROM STA. 85+00 TO 90+00; IN CLARK COUNTY ALONG IR 70 FROM STA. 50+00 TO 294+45; IN MONTGOMERY COUNTY ALONG SR 235 FROM STA. 425+00 TO 475+00, INCLUDING THE INTERCHANGE AREA AT IR 70; IN MONTGOMERY COUNTY ALONG IR 675 FROM STA. 45+00 TO 382+17 AND FROM STA. 73+00 TO 94+00, INCLUDING THE INTERCHANGE AREAS AT IR 75, SR 725, YANKEE ST., ALEXANDERSVILLE BELLBROOK RD., SR 48, AND WILMINGTON PIKE. THIS PROJECT INCLUDES REMOVAL AND REPLACEMENT OF SIGNS, SUPPORTS AND FOUNDATIONS, BOTH GROUND MOUNTED AND OVERHEAD, AS INDICATED WITHIN THESE PLANS.

PROJECT EARTH DISTURBED AREA: N/A ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: N/A ACRES

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2010 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

UNDERGROUND UTILITIES
CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG
CALL
1-800-362-2764
(TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY
OIL & GAS PRODUCERS PROTECTIVE
SERVICE CALL: 1-800-925-0988

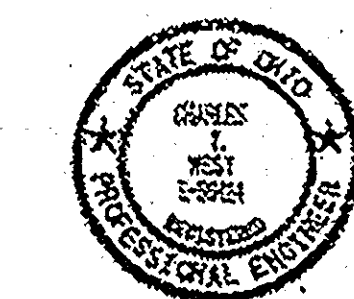
DISTRICT 7
LATITUDE: 40°17'49" LONGITUDE: 84°09'40"

PORTION TO BE IMPROVED
INTERSTATE HIGHWAY
STATE & FEDERAL ROUTES

PLAN PREPARED BY:



ENGINEERS SEAL:



SIGNED: *David J. Miller*
DATE: 09/25/11

STANDARD CONSTRUCTION DRAWINGS

TC-7.65	1/21/11	WT-95.30	07-17-09	GR-2.1	01-16-04
TC-12.30	1/21/11	WT-95.31	07-17-09	GR-3.1	10-16-09
TC-21.10	01-19-07			GR-4.2	01-19-07
TC-21.20	4/15/11			GR-5.1	04-16-10
TC-21.40	01-19-07				
TC-22.20	01-19-07			RM-4.3	10/21/11
TC-41.10	10-19-07				
TC-42.10	01-19-07			DM-4.3	04-17-09
TC-51.11	1/21/11			DM-4.4	04-17-09
TC-52.20	01-19-07				

SUPPLEMENTAL SPECIFICATIONS

800	10-21-11
832	05-05-09

APPROVED: *Ray Dickson, P.E., P.S. / RDN*
DATE: 7-27-20 DISTRICT DEPUTY DIRECTOR

APPROVED: *Erin May*
DATE: 11-1-11 DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO.
E100(268)

PD NO.
87931

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT
NONE

MOT/CLA GUIDE
SIGN REPLACEMENT

1
87

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UTILITIES

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE NOT SHOWN ON THESE PLANS, BUT CAN BE OBTAINED FROM THE OWNERS OF THE UTILITIES. THE UTILITY COMPANIES MAY HAVE UNDERGROUND INSTALLATIONS ALONG THE VARIOUS ROUTES AFFECTED BY THIS PROJECT.

OHIO DEPARTMENT OF TRANSPORTATION - DISTRICT 7
P.O. BOX 969
SIDNEY, OH 45365
(937) 492-1141

AT&T-OHIO
3233 WOODMAN DRIVE
DAYTON, OHIO 45420
CONTACT: MR. DAN KELLY
PHONE: 937-296-3650

A.T.&T.
5980-I WILCOX PLACE
DUBLIN, OHIO 43016
CONTACT: MR. CARL DONAHUE
PHONE: 630-552-4677

CINCINNATI BELL TELEPHONE
221 E. 4TH STREET
BUILDING 343
CINCINNATI, OHIO 45201-2301
CONTACT: MR. MARK CONNER
PHONE: 513-565-7043

DAYTON POWER AND LIGHT COMPANY
1900 DRYDEN ROAD
DAYTON, OHIO 45439
CONTACT: MR. JOHN KENTON
PHONE: 937-331-4132

LEVEL 3 COMMUNICATIONS
400 PIKE STREET
CINCINNATI, OHIO 45202
CONTACT: MR. TIM TAYLOR
PHONE: 513-632-1806

LEXIS/NEXIS
C/O THE FISHEL COMPANY
3560 VALLEY STREET
DAYTON, OHIO 45424
CONTACT: MR. CHRIS SANDS
PHONE: 1-800-829-4501

MONTGOMERY COUNTY WATER SERVICES
1850 SPAULDING ROAD
DAYTON, OHIO 45432
CONTACT: MR. CHARLES SCHAFFER
PHONE: 937-781-2629

TIME WARNER CABLE
3691 TURNER ROAD
DAYTON, OHIO 45415
CONTACT: MR. TIM KUSS
PHONE: 937-425-8850

TW TELECOM
2 PRESTIGE PLACE, SUITE 440
MIAMISBURG, OHIO 45342
CONTACT: MR. WALTER TRACEY
PHONE: 937-425-8247

KDL, INC.
3701 COMMUNICATIONS WAY
EVANSVILLE, INDIANA 47715
CONTACT: MR. BRUCE SPECK
PHONE: 812-253-1623

UTILITIES (CONT.)

VECTREN ENERGY DELIVERY
6500 CLYO ROAD
CENTERVILLE, OHIO 45459
CONTACT: MR. DON SPECHT
PHONE: 937-440-1965

BP OIL PIPELINE COMPANY
12011 HAMILTON AVENUE
CINCINNATI, OHIO 45231
CONTACT: MR. JEFFREY BOMER
PHONE: 513-825-5250 EXT. 12

CITY OF KETTERING
3600 SHROYER ROAD
KETTERING, OHIO 45429-2799
CONTACT: MR. AL FULLENKAMP
PHONE: 937-296-2436

CITY OF CENTERVILLE
7970 S. SUBURBAN ROAD
CENTERVILLE, OHIO 45458
CONTACT: MR. K. DOUGLAS SPITLER
PHONE: 937-428-4734

CITY OF MIAMISBURG
MIAMISBURG CIVIC CENTER
10 NORTH FIRST STREET
MIAMISBURG, OHIO 45342
CONTACT: MR. BOB STANLEY
PHONE: 937-847-6531

ELEVATION DATUM

ALL ELEVATIONS ARE BASED ON THE ASSUMED EDGE OF PAVEMENT ELEVATION OF 100.0.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, THE CONTRACTOR SHALL PERFORM CLEARING AND GRUBBING OPERATIONS IN SUCH A MANNER AS TO PROTECT AND PRESERVE THE EXISTING VEGETATION AS MUCH AS POSSIBLE. CLEAR AND GRUB ONLY WHAT IS NEEDED TO COMPLETE THE WORK.

A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201 - CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201 - CLEARING AND GRUBBING.

LOGO SIGNS REMOVED AND REERECTED

THE LOGO SIGNS THAT INDICATE FOOD, GAS, LODGING, CAMPING AND/OR ATTRACTIONS ESTABLISHMENTS ARE NOT TO BE REMOVED OR RELOCATED UNLESS THE PLANS REQUIRE SUCH WORK.

THE LOGO SIGNS LOCATED AT THE INTERCHANGES, ARE INSTALLED AND MAINTAINED BY:

OHIO LOGOS INC.
4384 TULLER ROAD
DUBLIN, OHIO 43017
800-860-5646 OR 614-717-0833

THEREFORE, IF THE PLANS INDICATE THE REMOVAL OR RELO-CATION OF ANY LOGO SIGNS, THE REQUIRED WORK SHALL BE PERFORMED BY OHIO LOGOS, INC.

OHIO LOGO'S, INC. SHALL BE NOTIFIED 60 DAYS PRIOR TO THE REQUIRED WORK. COORDINATION OF THE REMOVAL OR RELO-CATION OF THE LOGO SIGN SHALL BE MANAGED BY THE PROJECT ENGINEER.

SIGN ATTACHMENT ASSEMBLIES

PER C&MS 630.06 B, THE COST OF SIGN ATTACHMENT ASSEMBLIES FOR EXTRUSHEET SIGNS IS INCLUDED WITH THE COST OF THE PROPOSED RIGID OVERHEAD SUPPORT FOR BOTH REUSING EXISTING AND FURNISHING NEW SIGNS. THE ASSEMBLIES ARE ITEMIZED SEPARATELY WHEN SIGNS ARE PLACE ON EXISTING SUPPORTS.

SIGN, OVERHEAD EXTRUSHEET, AS PER PLAN

ALL OVERHEAD SIGNS SHALL HAVE TYPE G REFLECTIVE SHEETING FOR BACKGROUND AND TYPE H SHEETING FOR ALL REFLECTIVE LEGEND, SHIELD, AND SYMBOLS.

ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE B, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF CMS 630, THE "AS PER PLAN" DESIGNATION SHALL INCLUDE THE DESIGN OF THE FOUNDATION TO SUPPORT THE OVERHEAD SIGN SUPPORT. THE FOUNDATION SHALL BE DESIGNED IN ACCORDANCE WITH ODOT STANDARD CONSTRUCTION DRAWINGS TC-21.40 AND RM-4.3. THE PROPOSED BARRIER SHALL BE DESIGNED TO MATCH THE HEIGHT OF THE EXISTING BARRIER.

A REGISTERED ENGINEER SHALL PREPARE AND SEAL THE DESIGN CALCULATIONS AND DRAWINGS. THE DESIGN AND INSTALLATION OF THE FOUNDATIONS SHALL NOT TAKE PLACE UNTIL THE OVERHEAD SIGN SUPPORT, SPECIAL DESIGN HAS BEEN DESIGNED AND THE REQUIRED ANCHOR BOLTS AND BOLT CIRCLE PATTERN IS KNOWN.

PAYMENT FOR ALL MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE B, AS PER PLAN.

ITEM 631 - REMOVAL OF SIGN WIRING AND DISPOSAL, AS PER PLAN

ITEM 631 - REMOVAL OF SIGN SERVICE AND DISPOSAL, AS PER PLAN

THE CONTRACTOR SHALL REMOVE ALL SIGN WIRING, AND ELECTRICAL EQUIPMENT, INCLUDING CONDUIT, JUNCTION BOX, AND DISCONNECT SWITCH, INCLUDING BRACKETS, ETC. AND INSTALL PLUGS TO THE BLIND HALFCOUPLING THAT PROVIDED ELECTRICAL SERVICE. THE CONTRACTOR SHALL ALSO CUT OUT EXISTING SPLICE KITS, AND INSTALL NEW SPLICE KITS TO RECONNECT THE MAIN LIGHTING CIRCUIT. THE CONDUIT COMING OUT OF THE EXISTING PULLBOX SHALL BE CAPPED. PULL BOXES SHALL REMAIN. DISPOSAL OF ITEMS SHALL BE ACCORDING TO CMS ITEM 105.17.

MEASUREMENT FOR THIS ITEM SHALL BE ONE PER SIGN STRUCTURE ASSEMBLY (TRUSS OR CANTILEVER).

PAYMENT FOR ALL MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN:

ITEM 631 - REMOVAL OF SIGN WIRING AND DISPOSAL, AS PER PLAN

ITEM 631 - REMOVAL OF SIGN SERVICE AND DISPOSAL, AS PER PLAN

ITEM 630 - REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL, AS PER PLAN

THIS ITEM SHALL FOLLOW CMS 630 REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL, EXCEPT THE REMOVAL OF ALL SUPPORT FOUNDATIONS AND ALL ADDITIONAL UNUSED FOUNDATIONS SHALL BE FULL DEPTH REMOVAL. THE CONTRACTOR SHALL PLACE AND COMPACT POROUS BACKFILL TO 1 FOOT BELOW THE SUBGRADE AND BACKFILL AND RESTORE SURFACES TO A CONDITION EQUAL TO THAT OF THE EXISTING BEFORE THE WORK STARTED OR TO THE FINISHED GROUNDLINE AND DISPOSE OF SURPLUS MATERIAL ACCORDING TO 603.12 AT NO COST TO THE DEPARTMENT.

PAYMENT FOR ALL MATERIALS, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN ITEM - 630 REMOVAL OF GROUND MOUNTED BEAM SUPPORT AND DISPOSAL, AS PER PLAN.

ITEM 630 - REMOVAL OF GROUND MOUNTED WOODEN BOX BEAM SUPPORT AND DISPOSAL, AS PER PLAN

THIS ITEM SHALL FOLLOW CMS 630 REMOVAL OF GROUND MOUNTED WOODEN BOX BEAM SUPPORT AND DISPOSAL, EXCEPT THE REMOVAL OF ALL SUPPORT FOUNDATIONS AND ALL ADDITIONAL UNUSED FOUNDATIONS SHALL BE FULL DEPTH REMOVAL. THE CONTRACTOR SHALL PLACE AND COMPACT POROUS BACKFILL TO 1 FOOT BELOW THE SUBGRADE AND BACKFILL AND RESTORE SURFACES TO A CONDITION EQUAL TO THAT OF THE EXISTING BEFORE THE WORK STARTED OR TO THE FINISHED GROUNDLINE AND DISPOSE OF SURPLUS MATERIAL ACCORDING TO 603.12 AT NO COST TO THE DEPARTMENT.

PAYMENT FOR ALL MATERIALS, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN ITEM 630 - REMOVAL OF GROUND MOUNTED WOODEN BOX BEAM SUPPORT AND DISPOSAL, AS PER PLAN.

ITEM 631 - REMOVAL OF LUMINAIRE AND DISPOSAL, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF CMS ITEM 631.10, THE REMOVAL SHALL ALSO INCLUDE GLARE SHIELDS.

MEASUREMENT FOR THIS ITEM SHALL BE ONE EACH PER FIXTURE SUPPORT ARM LUMINAIRE, WHICH SHALL INCLUDE THE GLARE SHIELD.

PAYMENT FOR ALL MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN ITEM 631 - REMOVAL OF LUMINAIRE AND DISPOSAL, AS PER PLAN.

ITEM 630 - REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-18.26, AS PER PLAN
THIS ITEM SHALL CONSIST OF UNBOLTING THE STRUCTURE MOUNTED SIGN SUPPORT, CUTTING THE STUMP CLOSE TO THE FLANGE OF THE BEAM, GRINDING FLUSH WITH THE FACE OF THE FLANGE, AND PAINTING WITH THE OZEU PAINT SYSTEM.

PAYMENT FOR ALL MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN ITEM 630 - REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-18.26, AS PER PLAN.

ITEM 630 - REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-12.30, AS PER PLAN
ITEM 630 - REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-7.65, AS PER PLAN
THIS ITEM SHALL CONSIST OF THE REMOVAL OF THE EXISITNG OVERHEAD SIGN SUPPORT FOUNDATIONS.

THE REMOVAL OF THE RIGID OVERHEAD SIGN SUPPORT FOUNDATIONS (11 FT. ±) SHALL BE FULL DEPTH REMOVAL. THE CONTRACTOR SHALL PLACE AND COMPACT POROUS BACKFILL TO 1 FOOT BELOW SUBGRADE AND BACKFILL AND RESTORE SURFACES TO A CONDITION EQUAL TO THAT OF THE EXISTING BEFORE THE WORK STARTED OR TO THE FINISHED GROUNDLINE AND DISPOSE OF THE SURPLUS MATERIAL ACCORDING TO 603.10 AT NO COST TO THE DEPARTMENT.

PAYMENT FOR ALL MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN ITEM 630 - REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, AS PER PLAN.

PAINTING OF STRUCTURAL STEEL
OZEU PAINTING SHALL BE AS PER ITEM 514 AND SHALL BE INCLUDED IN ITEM 630, REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-18.24, AS PER PLAN.

PAYMENT FOR ALL MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN ITEM 630 - REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-18.24, AS PER PLAN.

ITEM 614, MAINTAINING TRAFFIC

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

CHRISTMAS	FOURTH OF JULY
NEW YEARS	LABOR DAY
MEMORIAL DAY	THANKSGIVING

THE PERIOD OF TIME THAT THE LANES WILL BE OPENED DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
----------------------------	---

SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	12:00N WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

NO EXTENSIONS OF TIME SHALL BE GRANTED FOR DELAYS IN MATERIALS DELIVERIES, UNLESS SUCH DELAYS ARE INDUSTRY-WIDE, OR FOR LABOR STRIKES, UNLESS SUCH STRIKES ARE AREA-WIDE.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$50 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

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. LANES 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 UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

OVERHEAD SIGN OR GORE SIGN

MAINTAIN ALL LANES OF TRAFFIC IN EACH DIRECTION AT ALL TIMES, EXCEPT DURING THE PERMITTED LANE CLOSURE TIMES.

GROUND MOUNTED SIGN

MAINTAIN ALL LANES OF TRAFFIC IN EACH DIRECTION AT ALL TIMES, EXCEPT DURING THE PERMITTED LANE CLOSURE TIMES. SIGNING FOR WORK BEYOND THE SHOULDER SHALL BE AS PER THE OMUTCD, CURRENT EDITION, FIGURE 6H-1.

ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

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).

IN ADDITION TO THE REQUIREMENT 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) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP). IN GENERAL, LEOS SHOULD BE POSITIONED AT THE POINT OF LANE RESTRICTION OR ROAD CLOSURE AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH INTERSECTIONS IN WORK ZONES.

WHEN CONSTRUCTION VEHICLES ARE ENTERING/EXITING THE ZONE DIRECTLY FROM/INTO AN OPEN LANE OF TRAFFIC. IF A LANE HAS BEEN CLOSED TO PROVIDE AN ACCELERATION/ DECELERATION LANE FOR THE VEHICLE, THE LEO WILL NOT BE REQUIRED.

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.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. ONCE THE LEO HAS COMPLETED THE DUTIES DESCRIBED ABOVE AND STILL HAS TIME REMAINING ON HIS/HER SHIFT, THE LEO

ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS (CONT.)

MAY BE ASKED TO PATROL THROUGH THE WORK ZONE (WITH FLASHING LIGHTS OFF) OR BE PLACED AT A LOCATION TO DETER MOTORISTS FROM SPEEDING. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 175 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED. ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614,

LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

PERMITTED LANE CLOSURES

LANE CLOSURES SHALL ONLY BE IMPLEMENTED AT THE TIMES LISTED ON THE OHIO DEPARTMENT OF TRANSPORTATION'S PERMITTED LANE CLOSURE WEBSITE WHICH IS LOCATED AT:

<http://plcm.dot.state.oh.us>

THE PERMITTED CLOSURE TIMES LISTED ON THE WEBSITE, 14 DAYS PRIOR TO THE BID LETTING DATE, SHALL BE IN EFFECT FOR THIS PROJECT.

NO WORK WITHIN THE ACTIVE TRAVEL LANES OR WHICH WILL SLOW TRAFFIC IS PERMITTED AT ANY OTHER TIME.

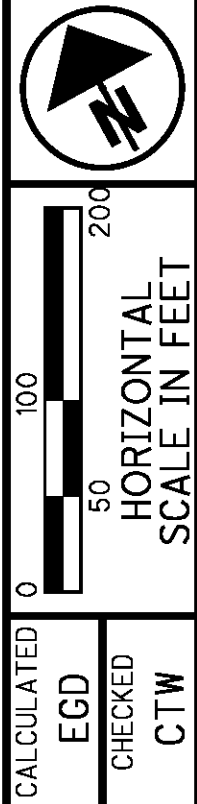
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GENERAL SUMMARY

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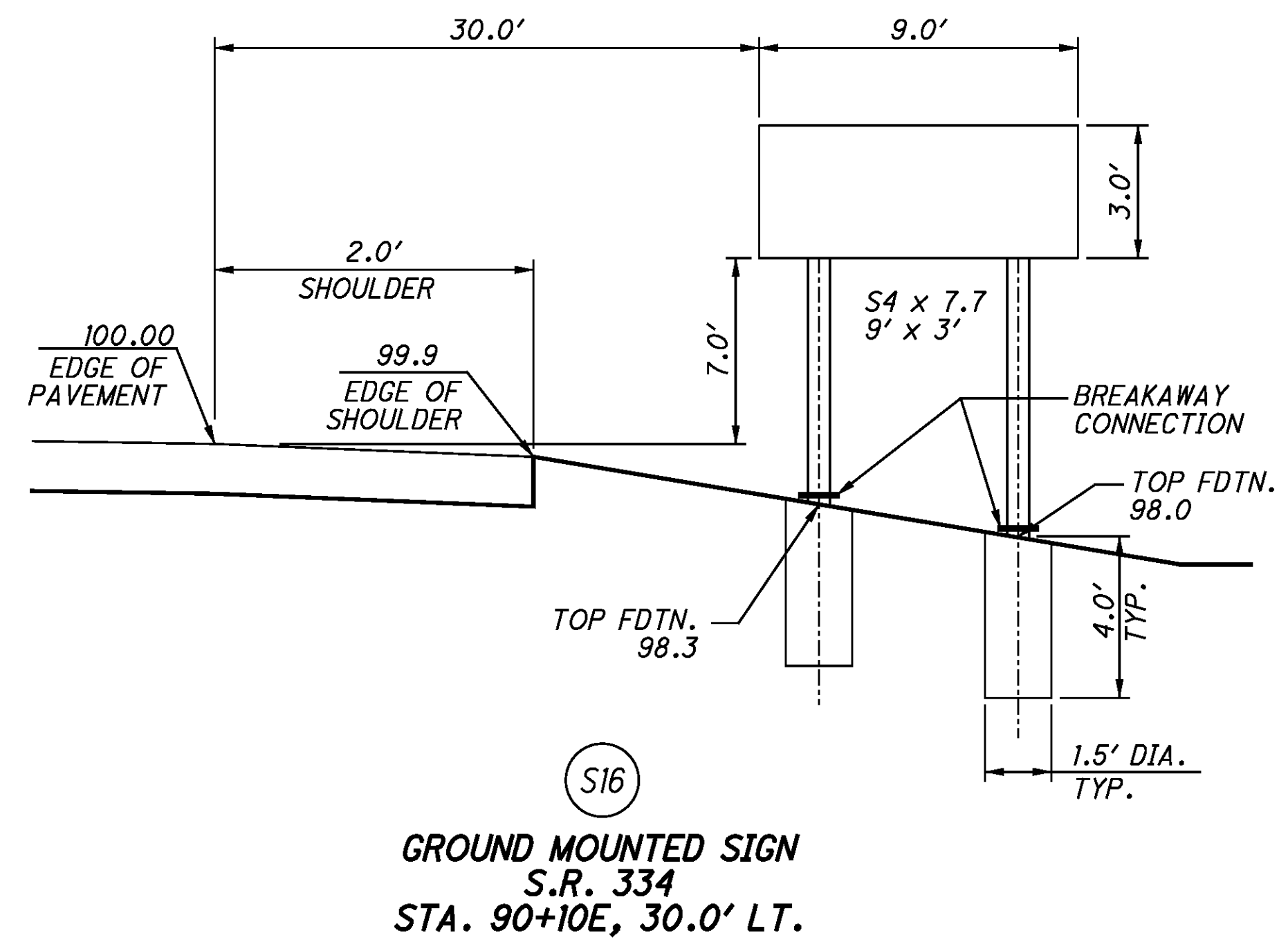
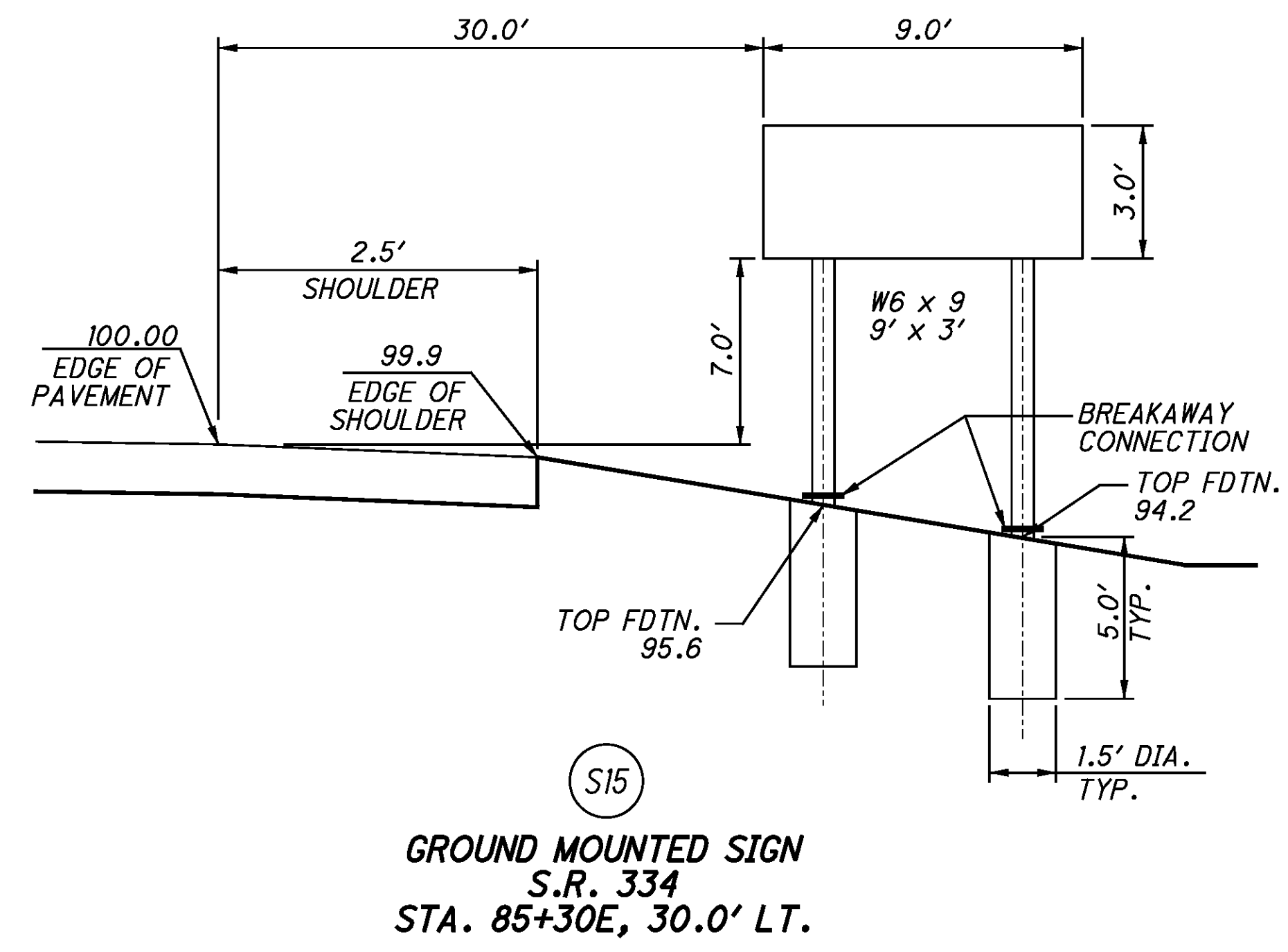
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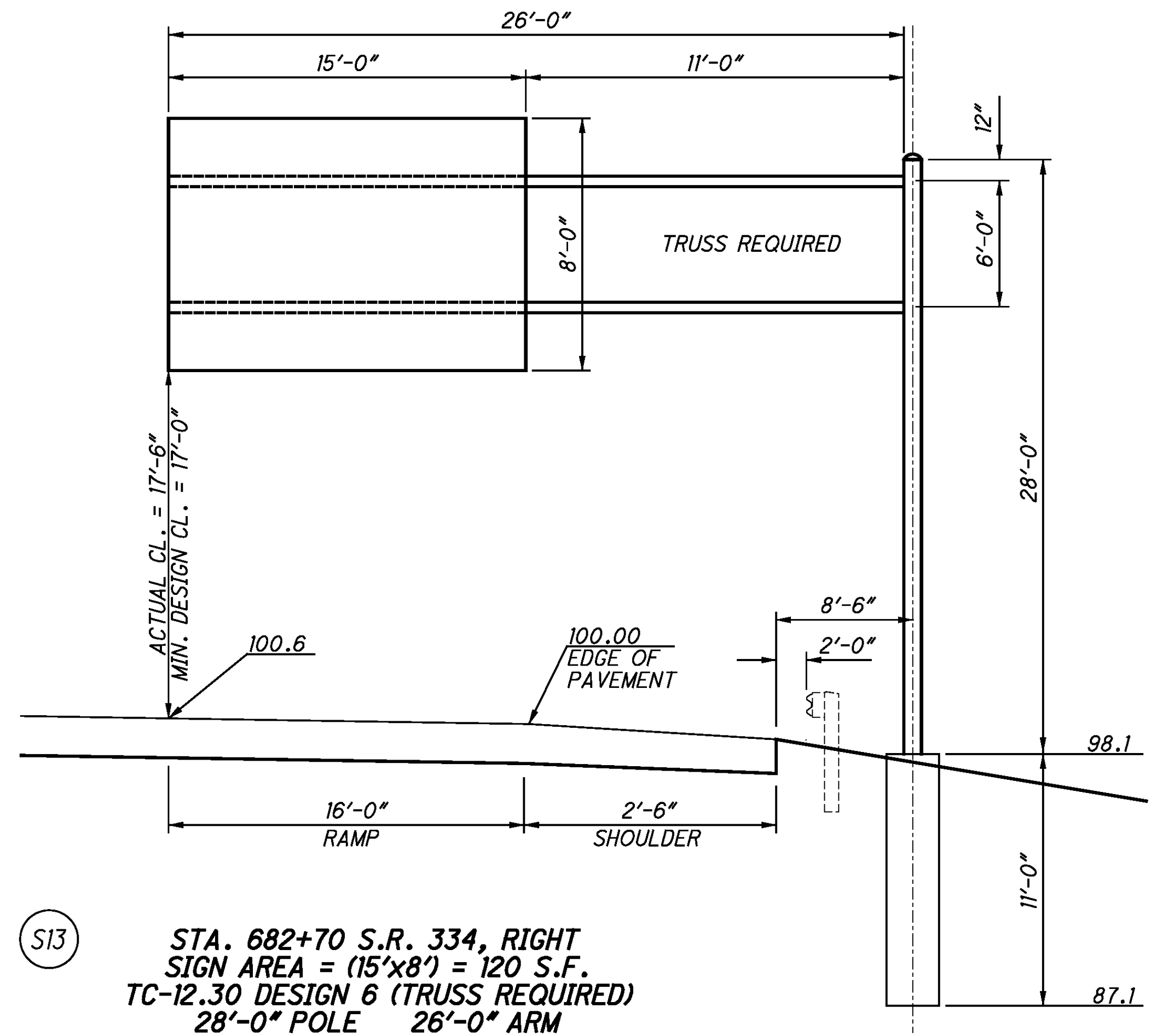
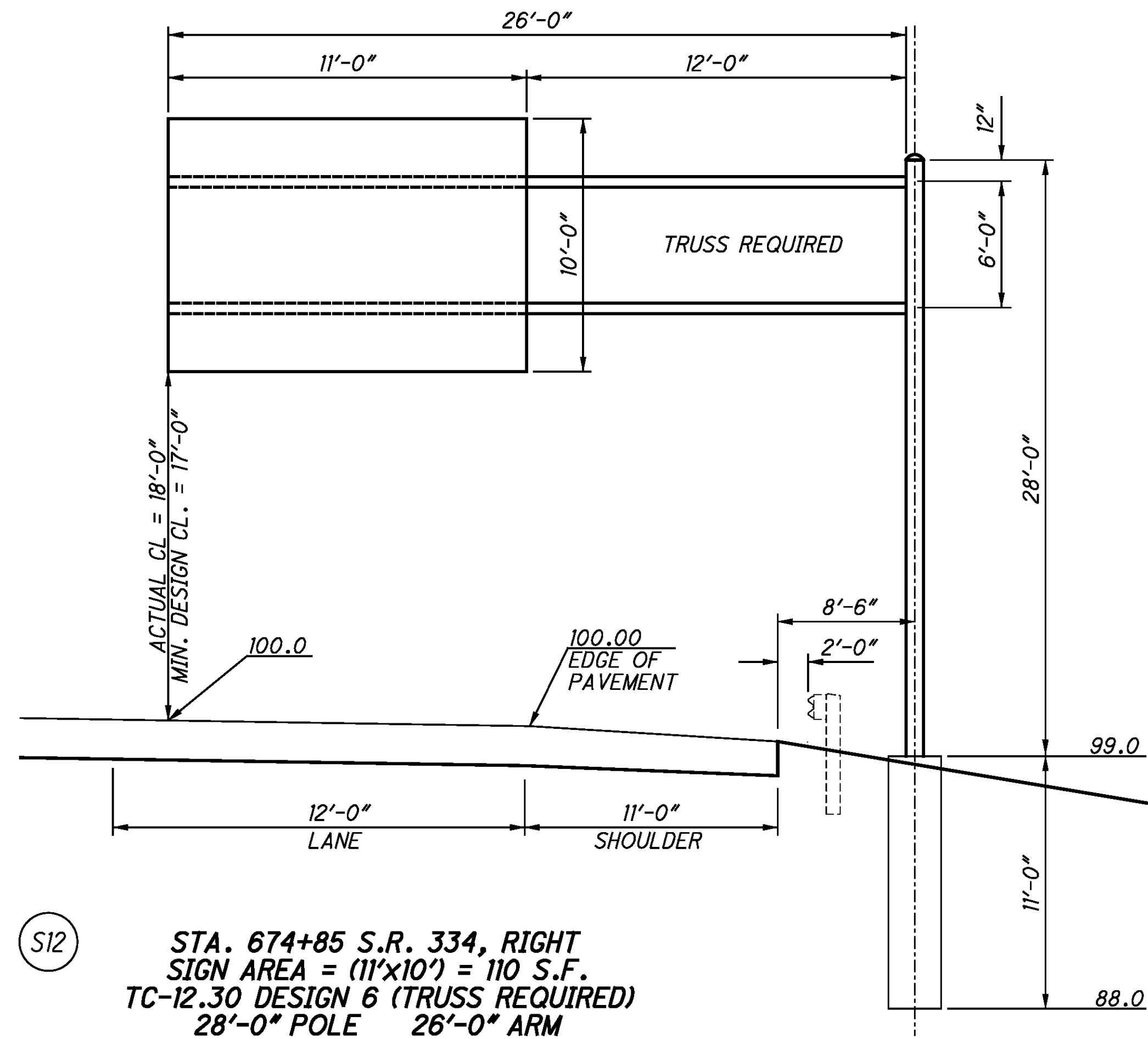
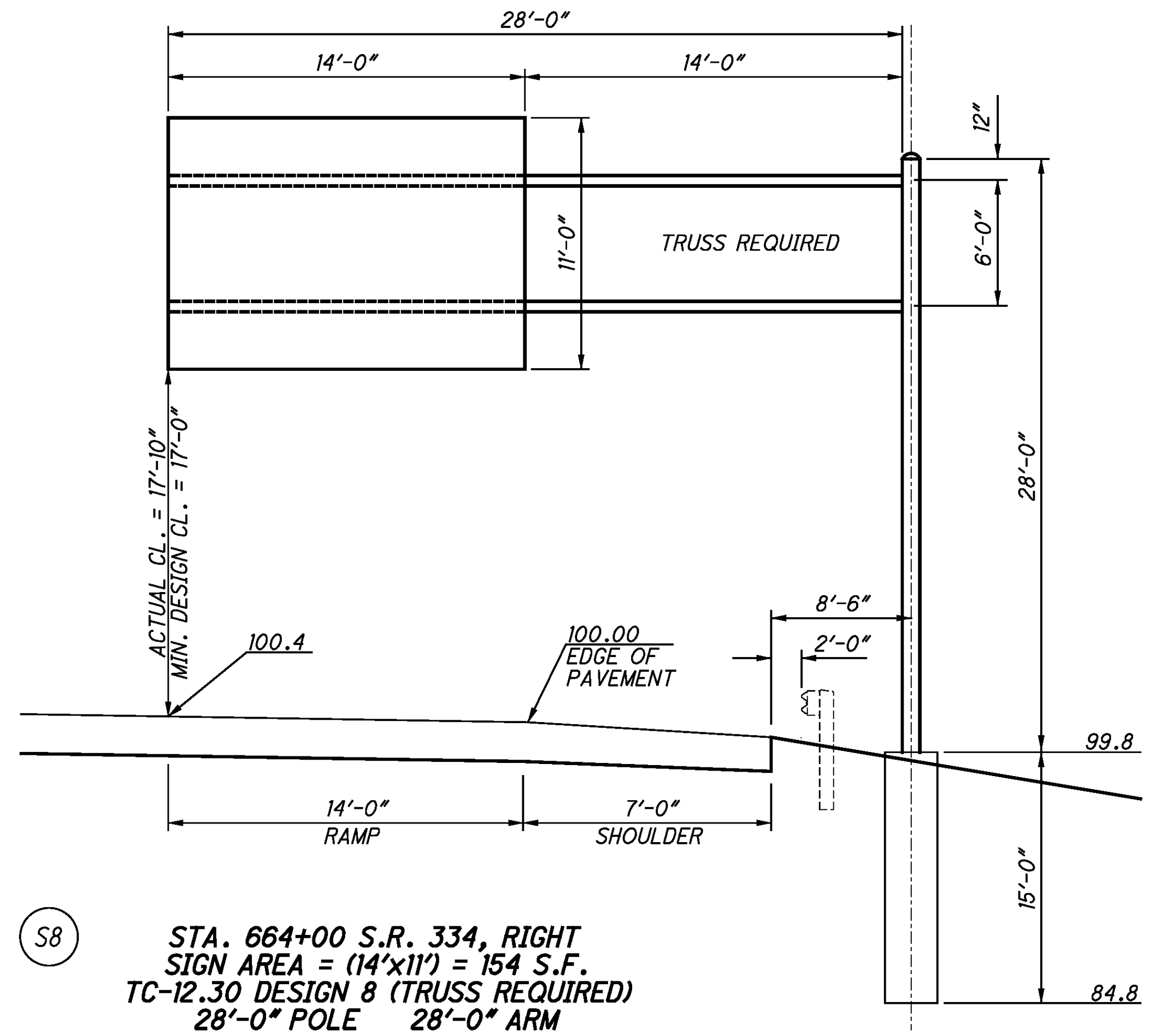
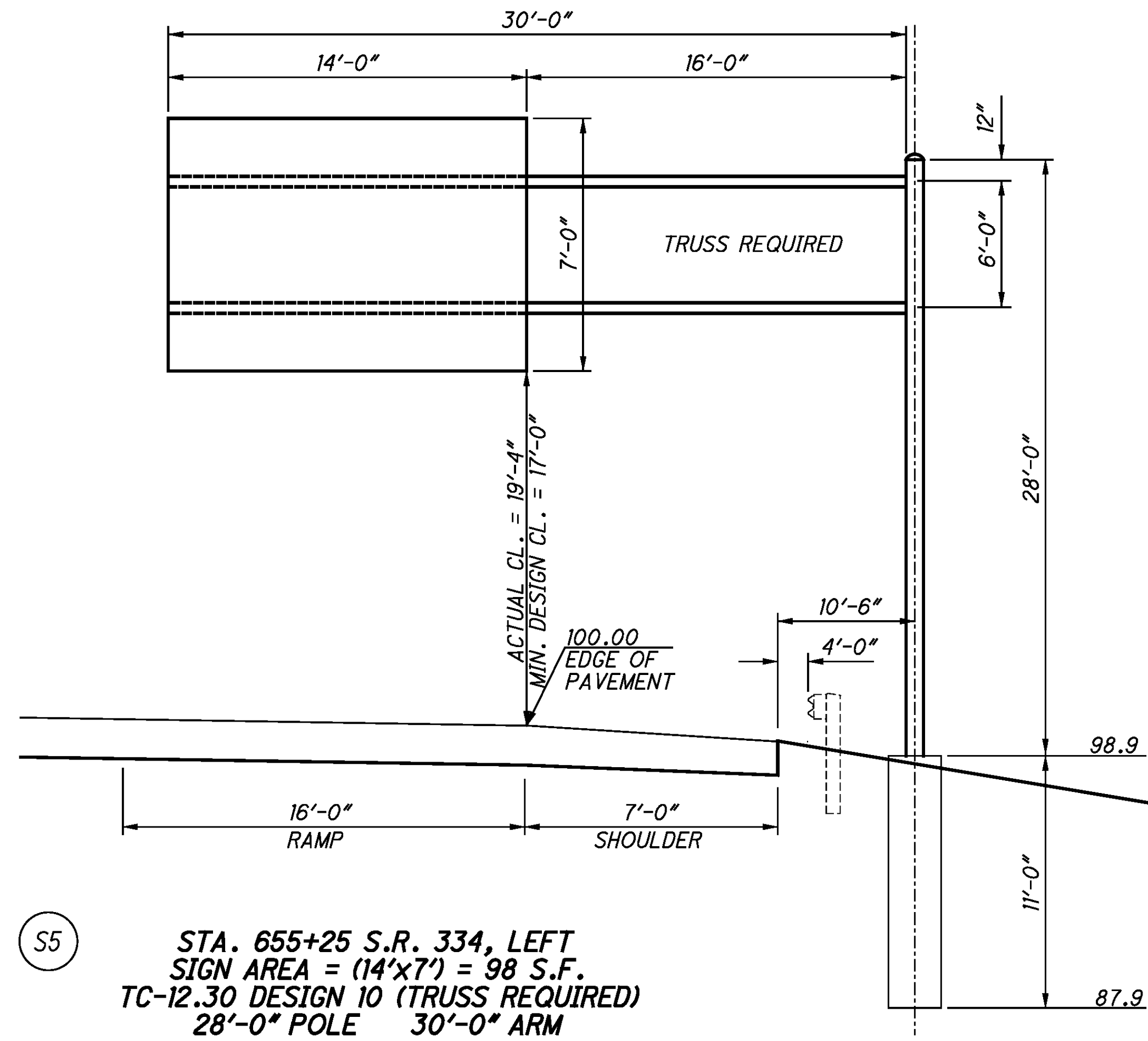
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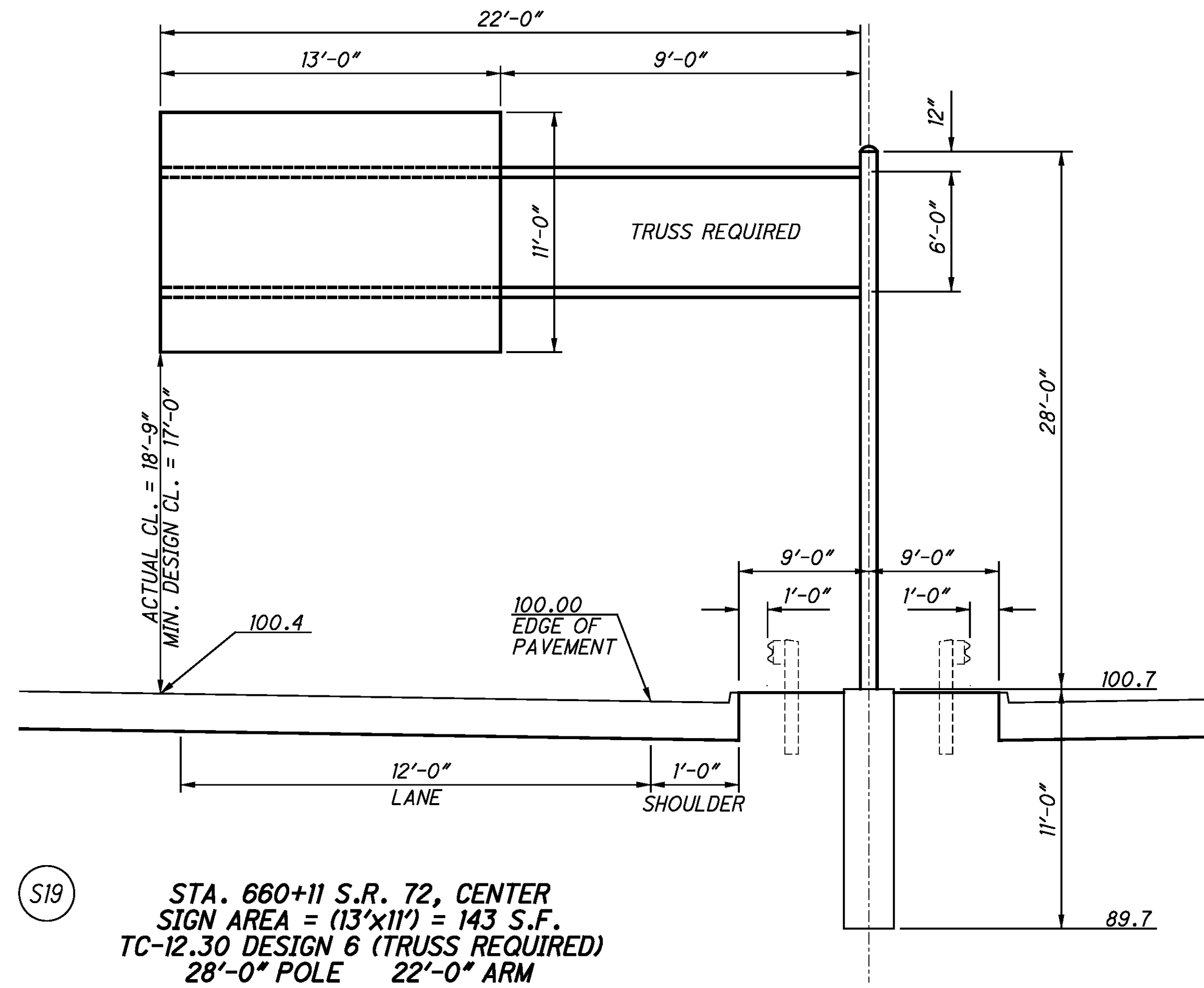
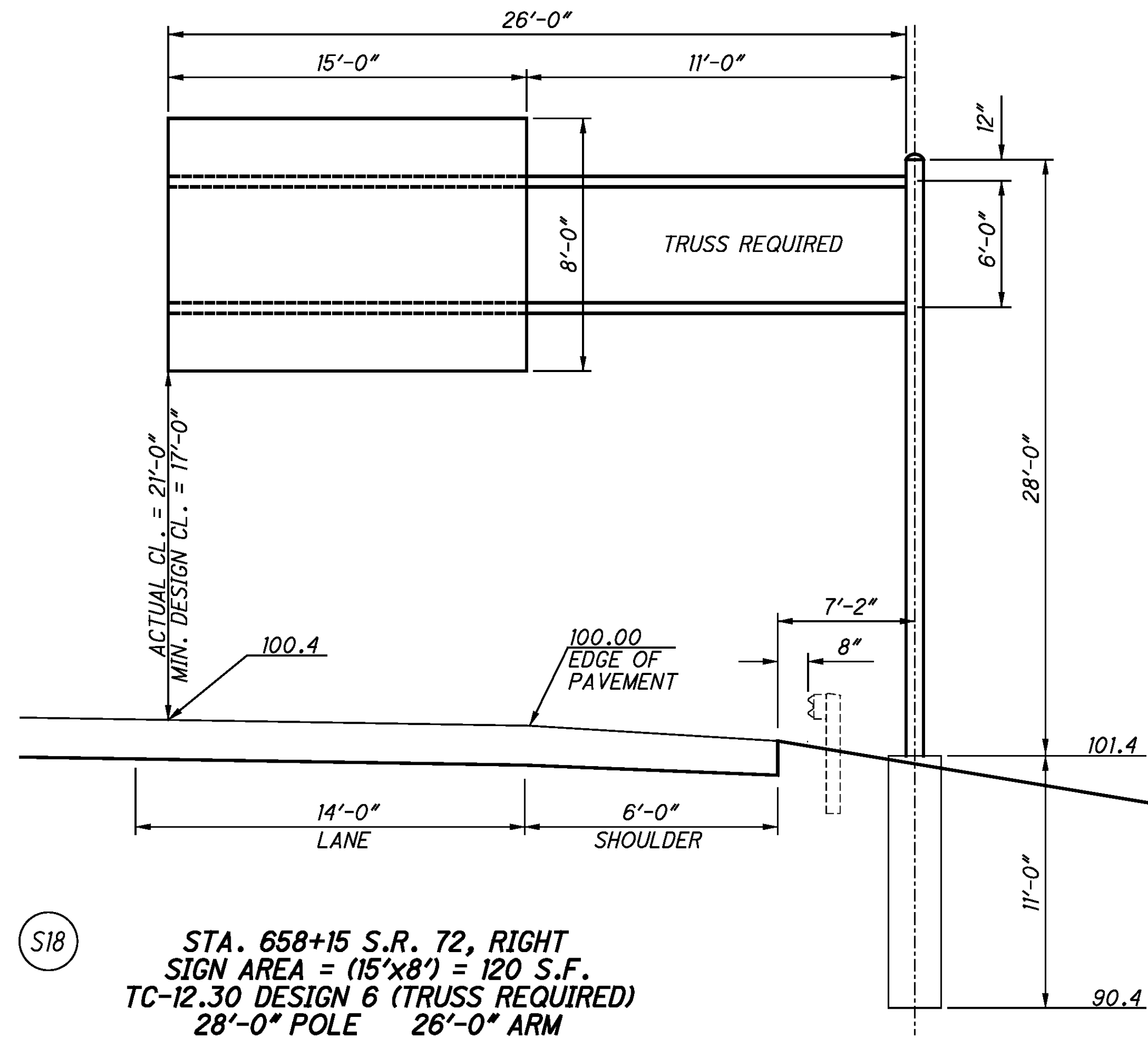


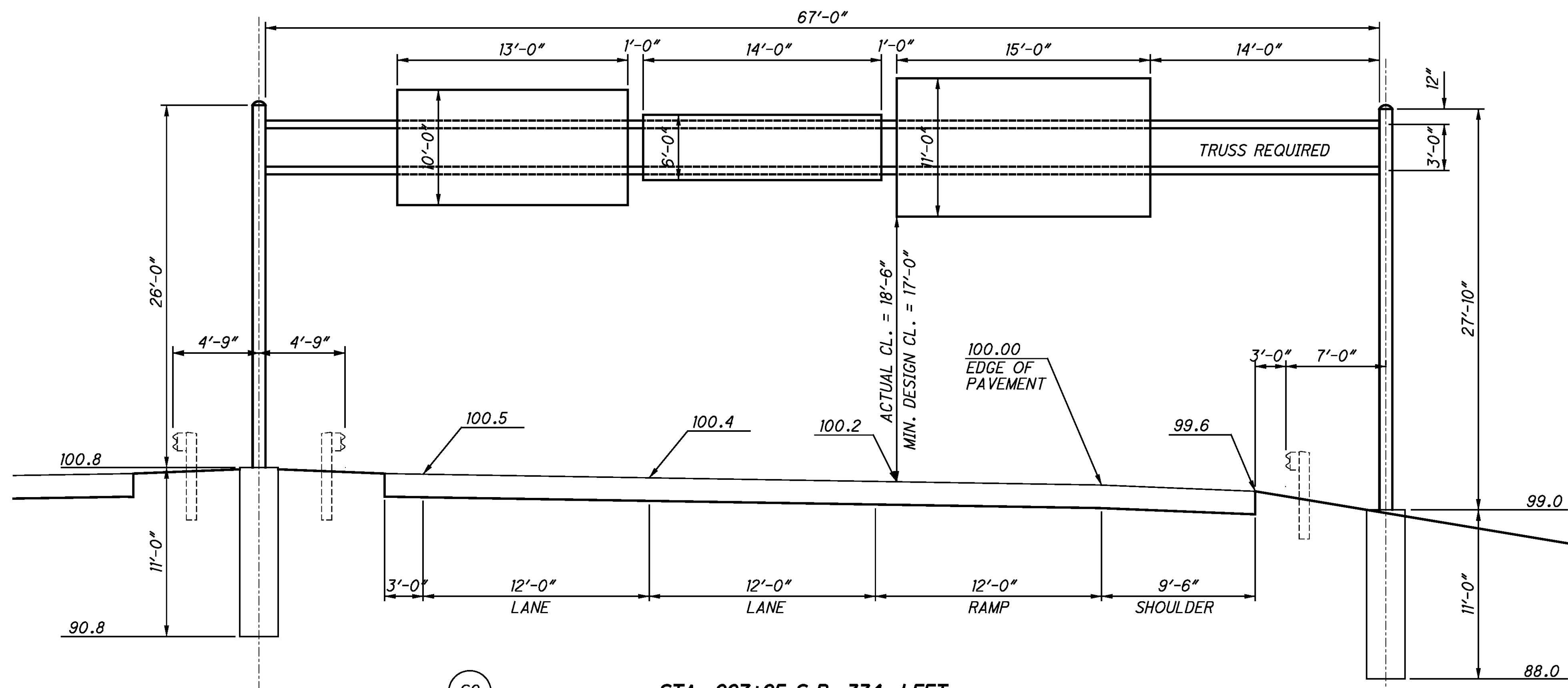
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NOTE: OFFSETS ARE MEASURED FROM
EDGE OF PAVEMENT (TYP.).



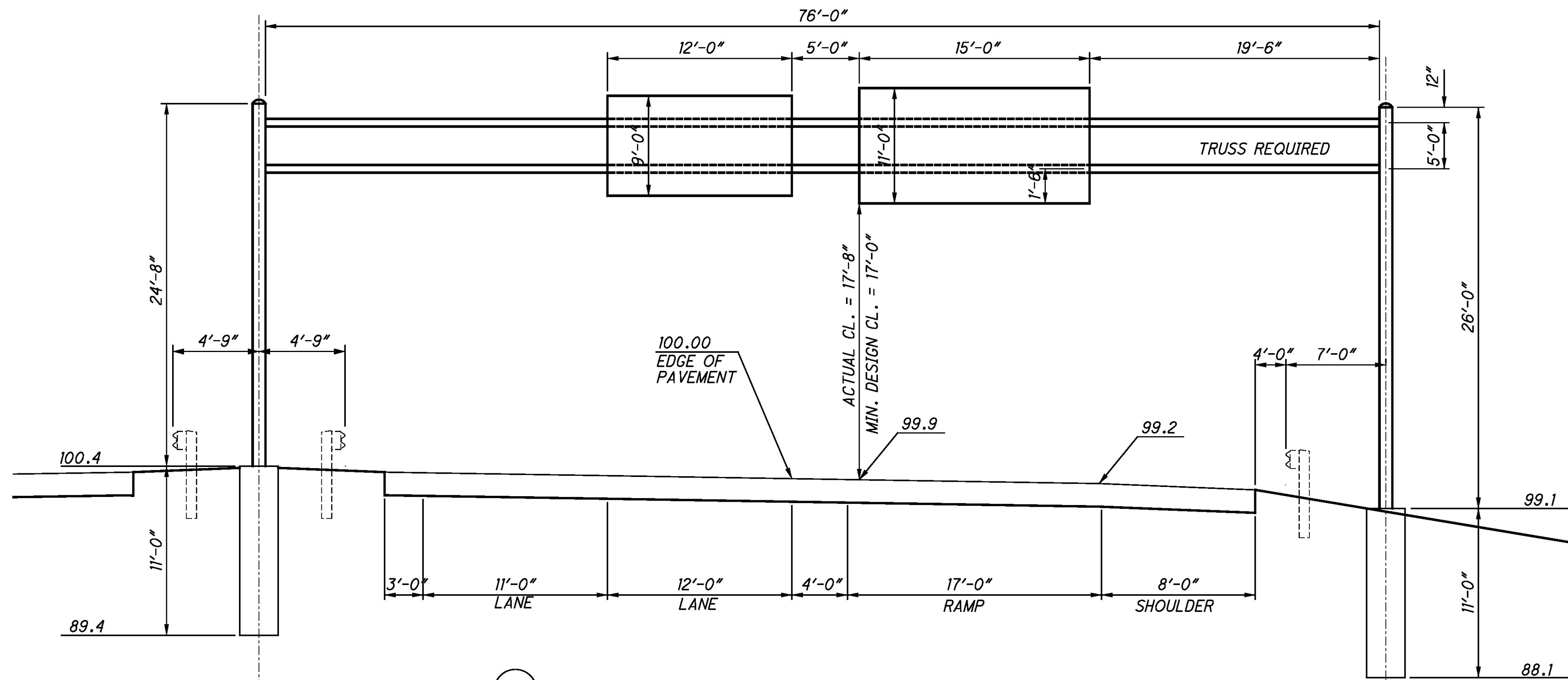






(S9)

STA. 667+95 S.R. 334, LEFT
SIGN AREA = $(13' \times 10') + (14' \times 6') + (15' \times 11') = 379 \text{ S.F.}$
TC 7.65 DESIGN 6 WITH 3' BOX TRUSS
SPAN 67.0' FT.



(S10)

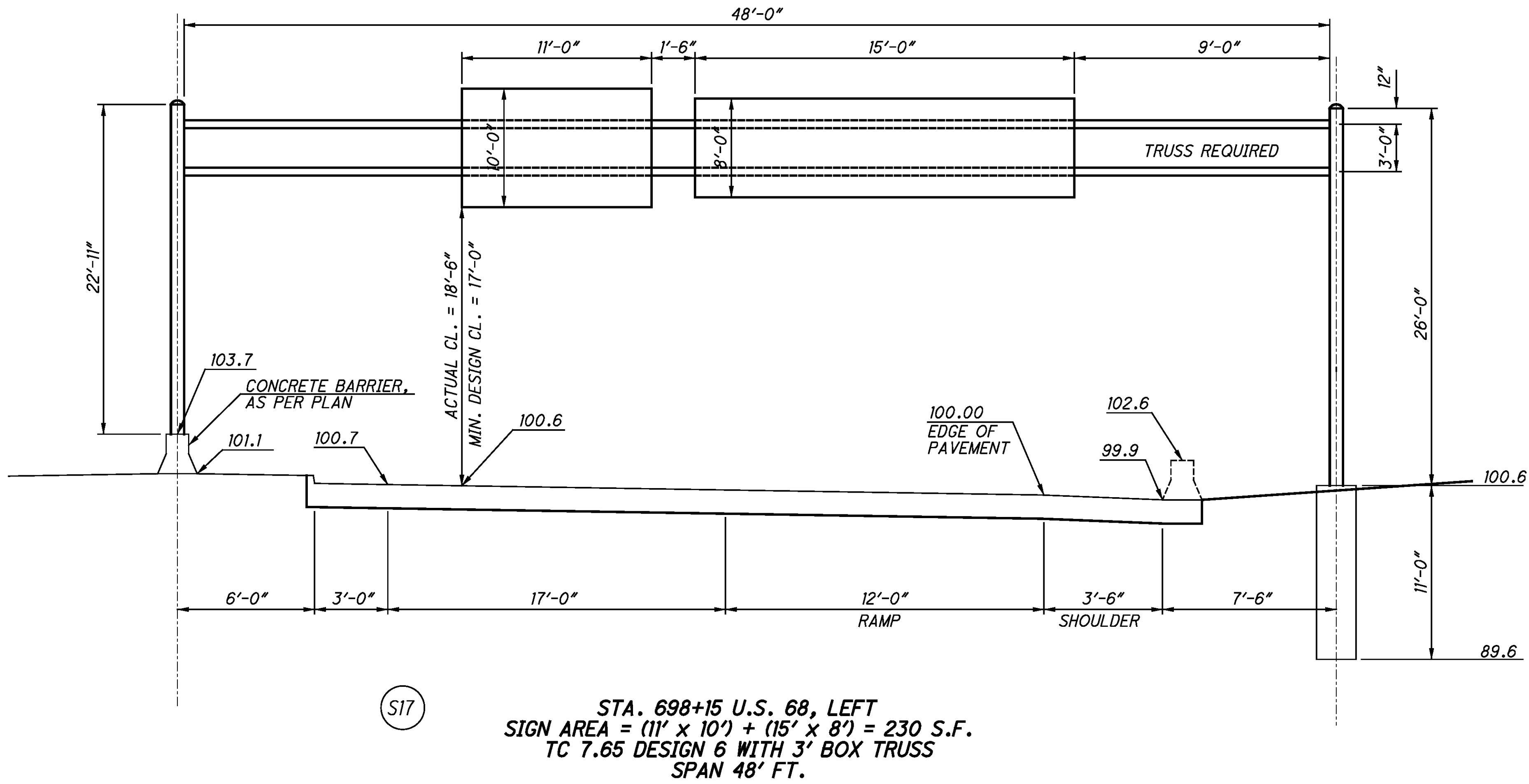
STA. 669+50 S.R. 334, RIGHT
SIGN AREA = $(12' \times 9') + (15' \times 11') = 273 \text{ S.F.}$
TC 7.65 DESIGN 8 WITH 5' BOX TRUSS
SPAN 76.0' FT.

CALCULATED
EGD
CHECKED
CTW

SIGN DETAILS - S.R. 334

MOT / CLA GUIDE
SIGN REPLACEMENT

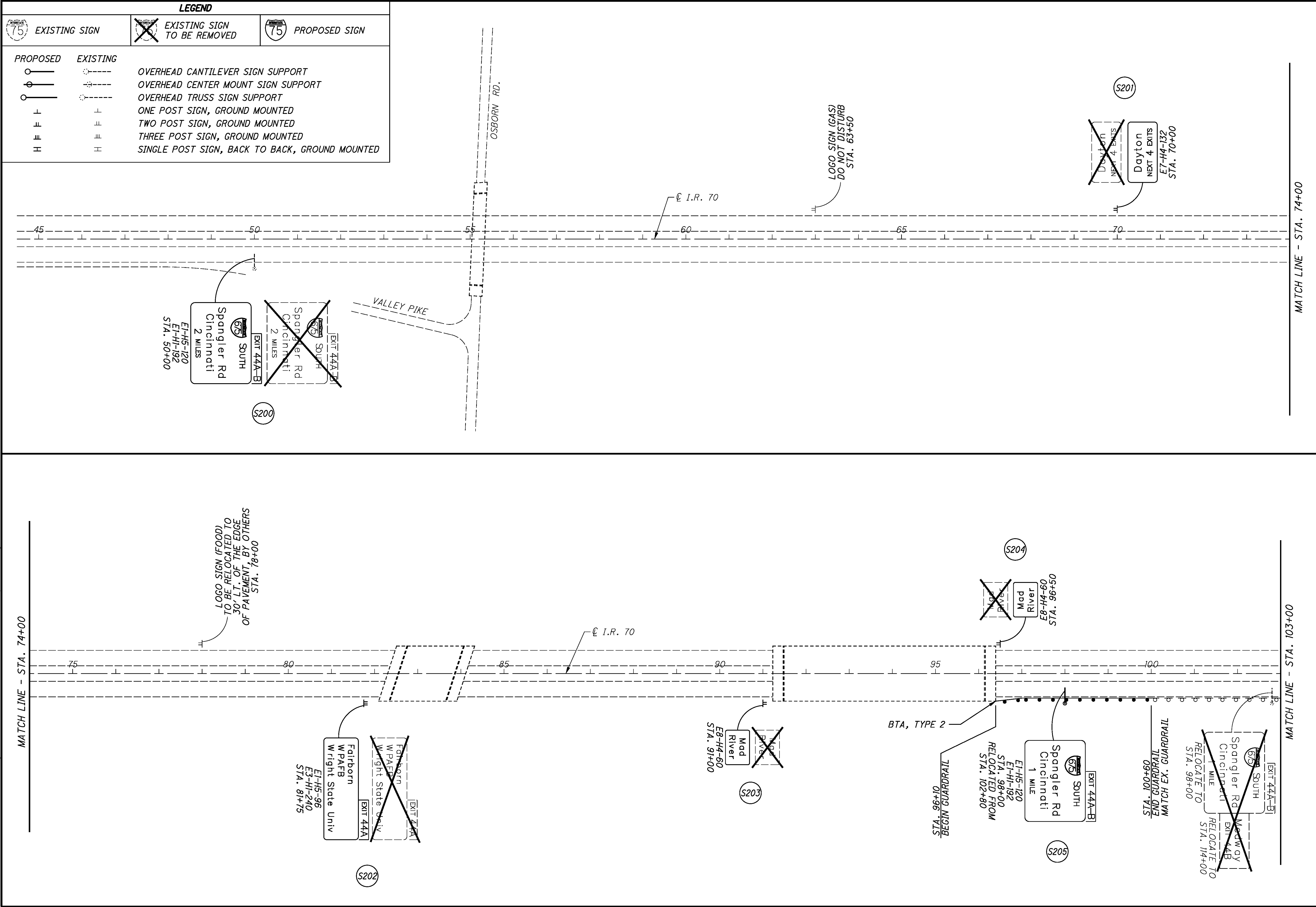
17
87





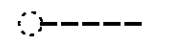

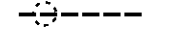







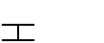




REF. NO.	SHEET NO.	STATION	SIDE	CODE	SIZE (INCHES)	630	630	630	630	630	630	631	631	631															CALCULATED EGD CHECKED CTW
						REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT & DISPOSAL, AS PER PLAN	REMOVAL OF GROUND MOUNTED WOODEN BOX BEAM SUPPORT & DISPOSAL, AS PER PLAN	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	REMOVAL OF OVERHEAD SIGN SUPPORT & DISPOSAL, TYPE TC-12.30, AS PER PLAN	REMOVAL OF LUMINAIRE & DISPOSAL, AS PER PLAN	REMOVAL OF SIGN WIRING & DISPOSAL, AS PER PLAN	REMOVAL OF SIGN SERVICE & DISPOSAL, AS PER PLAN														
						EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH														
CLARK COUNTY - IR 70																												SIGN REMOVAL SUBSUMMARY - I.R. 70	
S200	24	50+00	RT	E1-H5-120	120 x 24						1																		
				E1-H1-192	192 x 144						1																		
S201	24	70+00	LT	E7-H4-132	132 x 60		1		2																				
S202	24	81+75	RT	E1-H5-96	96 x 24	1																							
				E3-H1-240	240 x 84		1			2																			
S203	24	91+00	RT	E8-H4-60	60 x 36	1			2																				
S204	24	96+50	LT	E8-H4-60	60 x 36	1			2																				
S205	24	102+80	RT	E1-H5-120	120 x 24						1																		
				E1-H1-192	192 x 144						1	1																	
				E1-H3-132	132 x 60						1																		
S206	25	110+40	RT	E1-H5-96	96 x 24	1																							
				E3-H2-240	240 x 60		1			2																			
S207	25	123+60	RT	E1-H5-120	120 x 24						1																		
				E1-H1-192	192 x 144						1																		
S208	25	146+95	RT	E1-H5-96	96 x 24						1																		
				E1-H1-192	192 x 96						1	2	1	1															
				E1-H5-96	96 x 24						1																		
				E1-H3-204	204 x 96						1		2																
S209	25	151+50	RT	M4-1A-36	36 x 18	1																							
				M1-1-36	36 x 36	1																							
				M6-2-30	30 x 24	1																							
				E5-H1A-96	96 x 60		1		2																				
S210	25	160+70	LT	E5-H1A-96	96 x 60		1		2																				
S211	26	162+41	RT	E1-H5-96	96 x 24						1																		
				E1-H5-96	96 x 24						1																		
				E1-H1-228	228 x 48						1		2	1	1														
S212	26	166+50	LT	E6-H2-120	120 x 108						1		1	1	1														
				E1-H3-180	180 x 84						1		2																
S213	26	167+80	RT	E5-H1A-96	96 x 60		1		2																				
S214	26	179+45	LT	E5-H1A-72	72 x 60	1			2																				
S215	26	181+15	LT	E1-H1-168	168 x 108						1		2	1	1														
				E1-H5-84	84 x 24						1																		
				E1-H3-228	228 x 72						1		2																
S216	26	189+82.77	LT	E5-H2A-48	48 x 84	1																							
S217	26	195+50	RT	D12-H11-120	120 x 36	1		2																					
S218	26	200+00	LT	E1-H5-84	84 x 24						1																		
				E1-H1-228	228 x 120						1		2	1	1														
S219	26	215+00	RT	E7-H4-132	132 x 60		1		1																				
S220	26	206+40	LT	E1-H5-84	84 x 24						1																		
				E1-H1-192	192 x 144						1	1																	
S221	27	225+75	RT	R16-H15-120	120 x 60		1	2																					
S222	27	230+00	LT	E3-H2-240	240 x 108		1			2																			
				E1-H5-84	84 x 24	1																							
S223	27	232+80	LT	E1-H5-84	84 x 24						1																		
				E1-H1-192	192 x 144						1																		
				E1-H3-132	132 x 60						1																		
SUBTOTALS CARRIED TO SHEET 21						11	9	4	13	8	26	2	15	5	5													20 87	

[illegible]

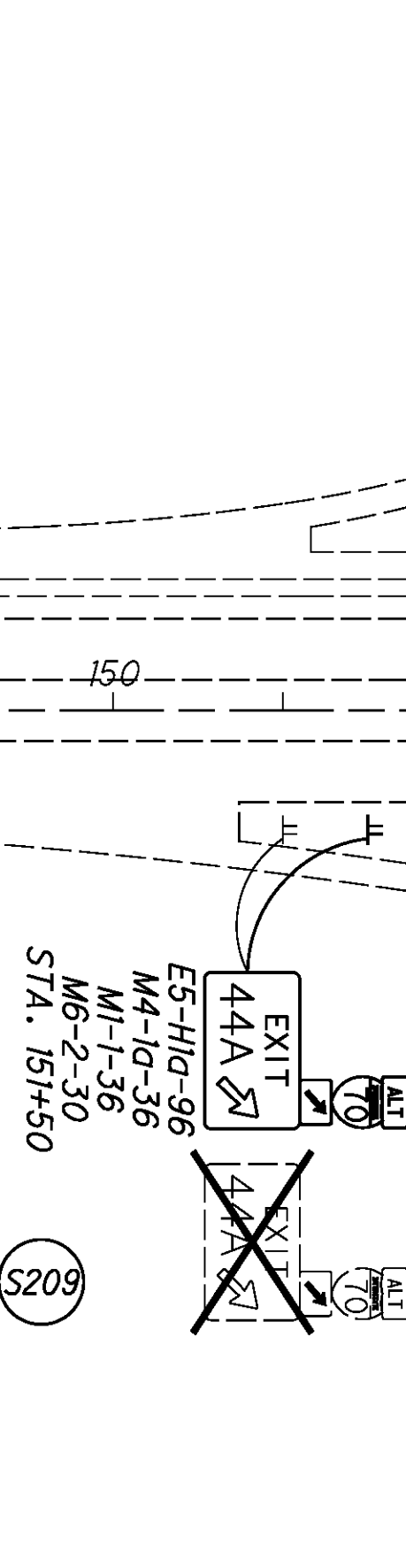
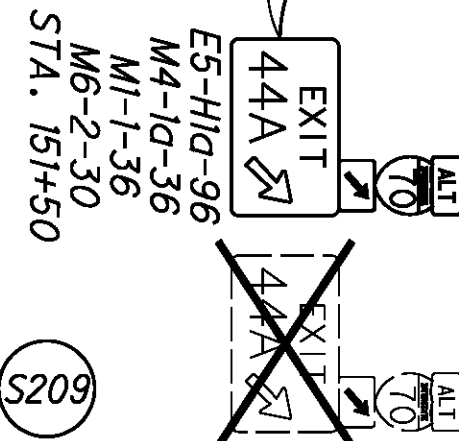
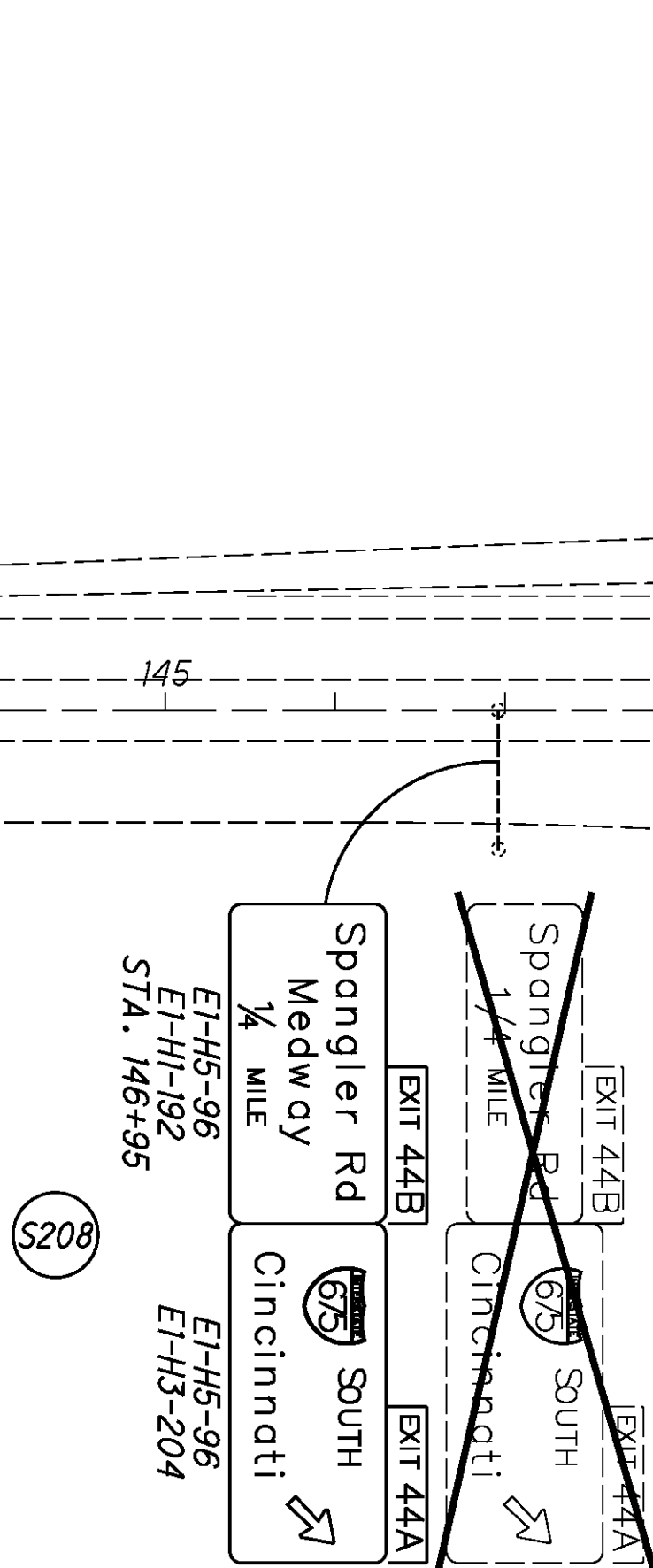
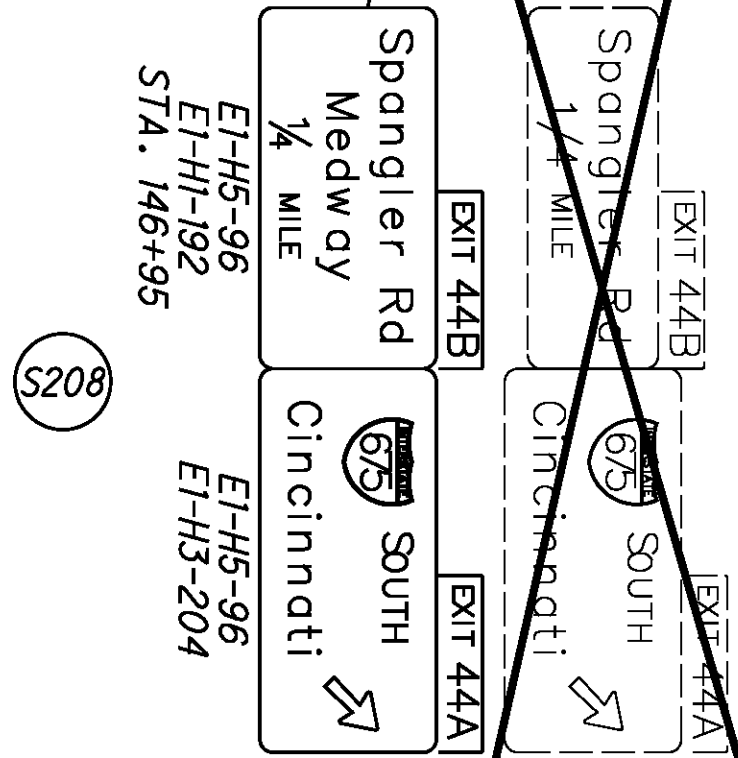
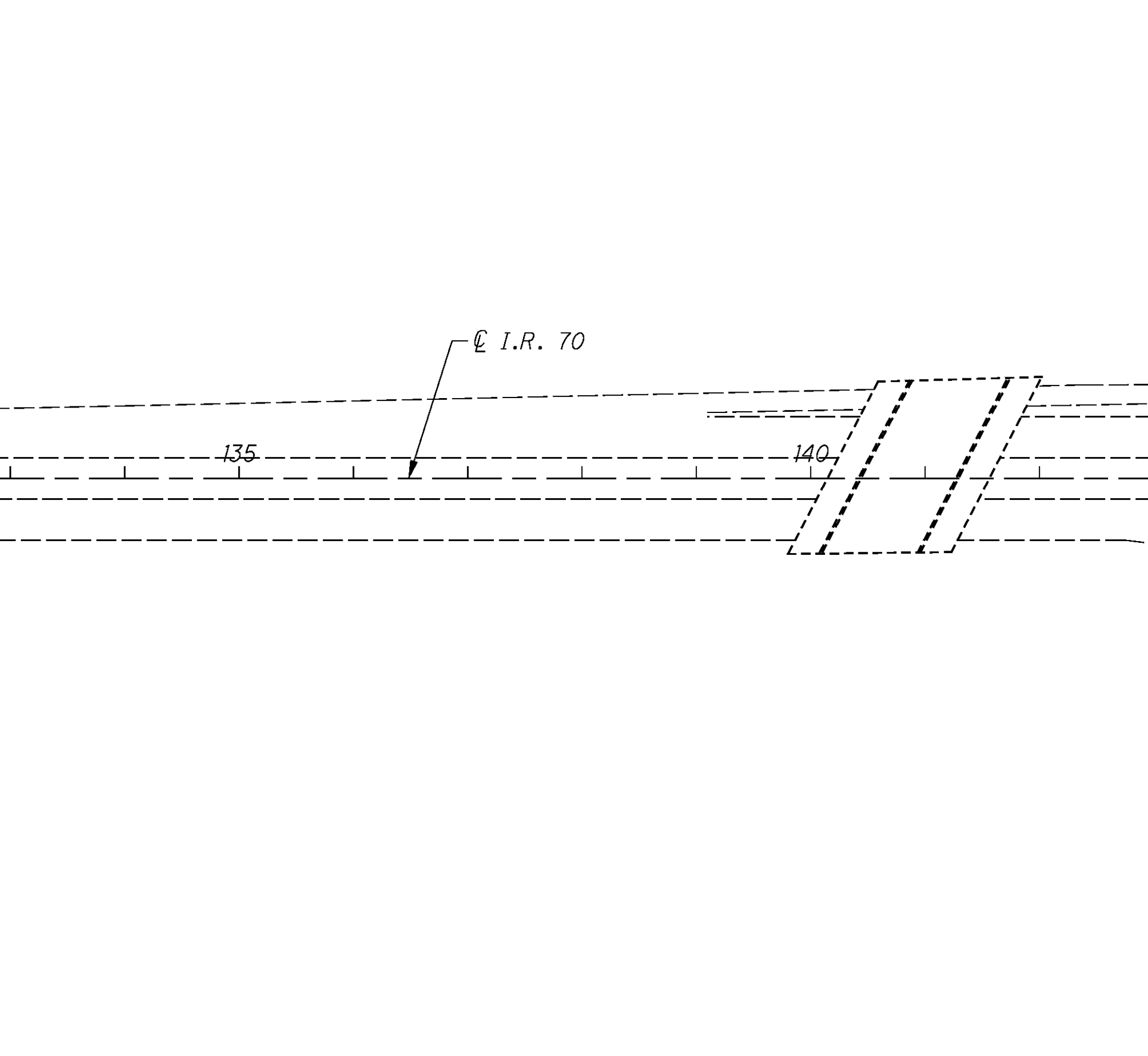
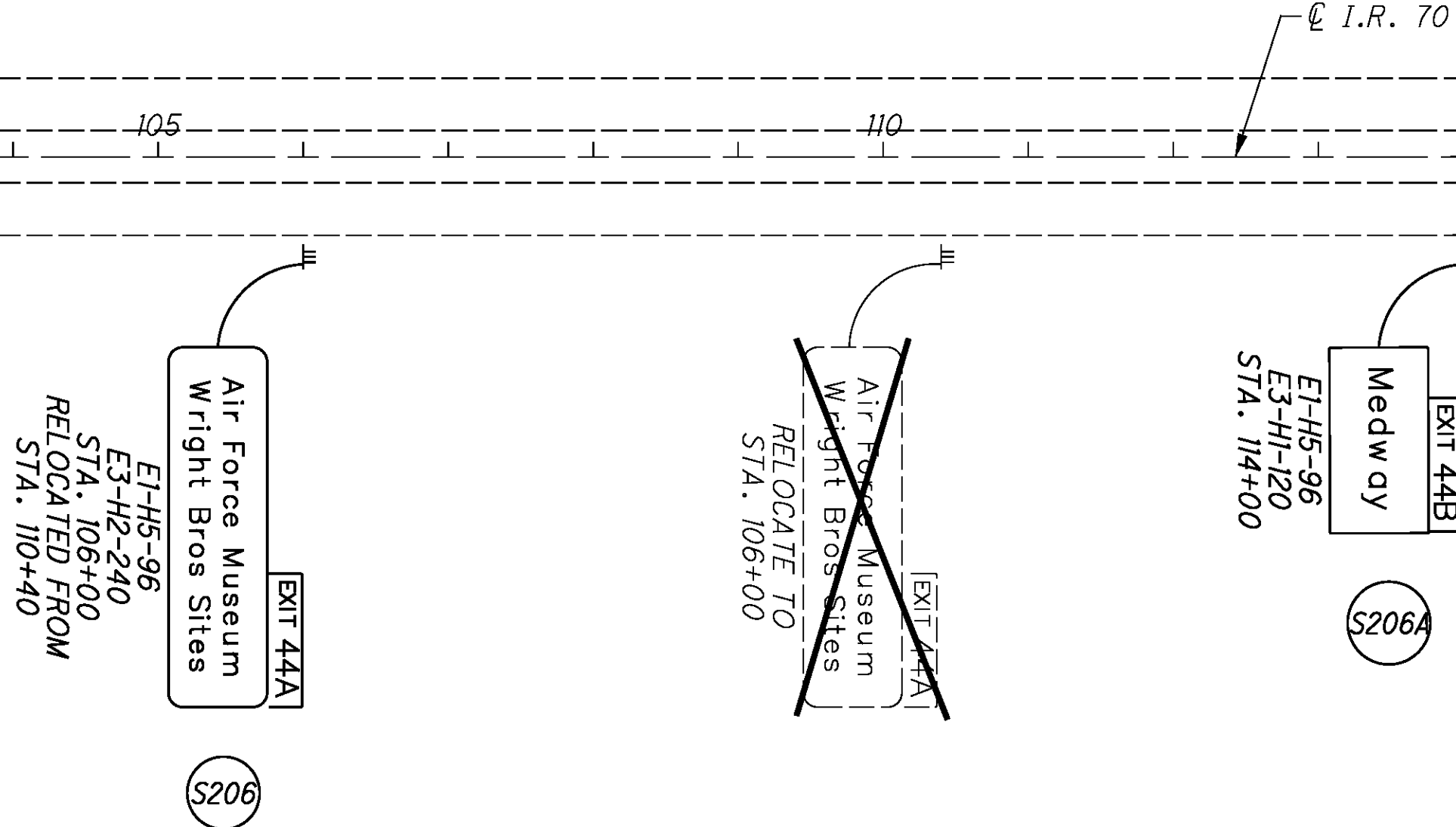
REF. NO.	SHEET NO.	STATION	SIDE	CODE	SIZE (INCHES)	606	606	606	606	625	630	630	630																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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LEGEND		
 EXISTING SIGN	 EXISTING SIGN TO BE REMOVED	 PROPOSED SIGN
		OVERHEAD CANTILEVER SIGN SUPPORT
		OVERHEAD CENTER MOUNT SIGN SUPPORT
		OVERHEAD TRUSS SIGN SUPPORT
		ONE POST SIGN, GROUND MOUNTED
		TWO POST SIGN, GROUND MOUNTED
		THREE POST SIGN, GROUND MOUNTED
		SINGLE POST SIGN, BACK TO BACK, GROUND MOUNTED

MATCH LINE - STA. 132+00

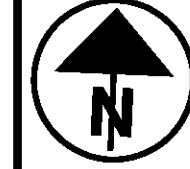
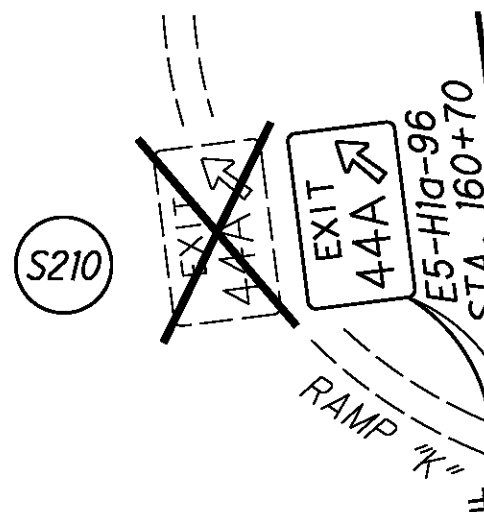
MATCH LINE - STA. 103+00



RAMP "L"

RAMP "J"

RAMP "M"



MATCH LINE - STA. 132+00

MATCH LINE - STA. 161+00

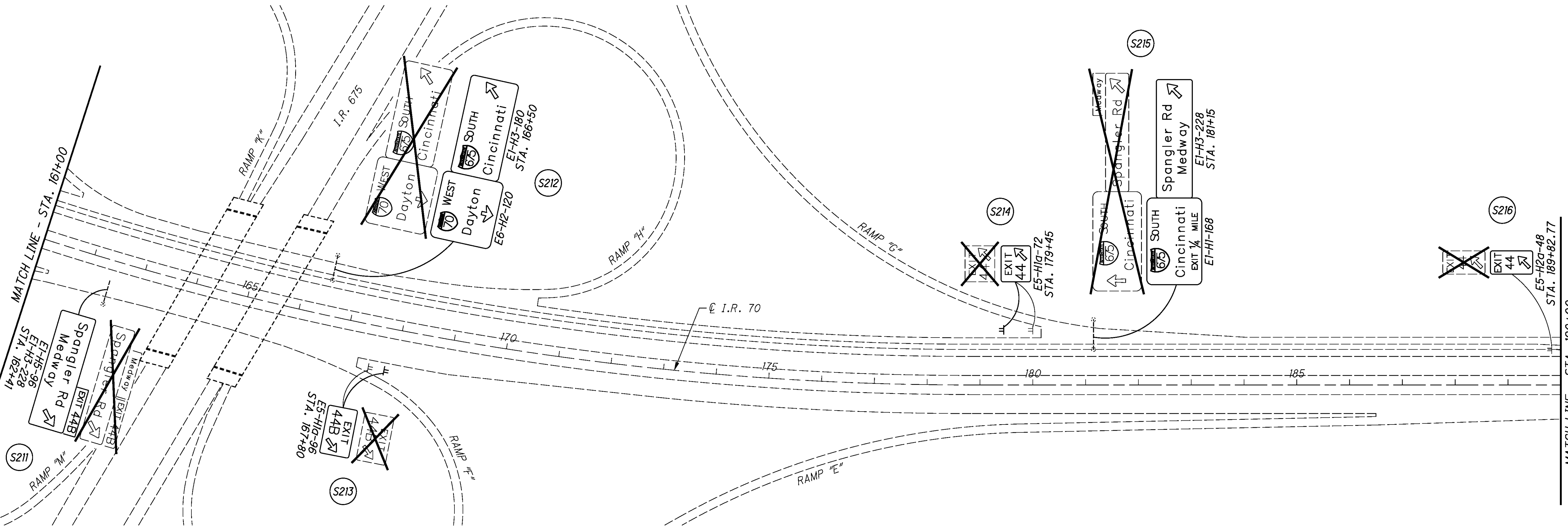
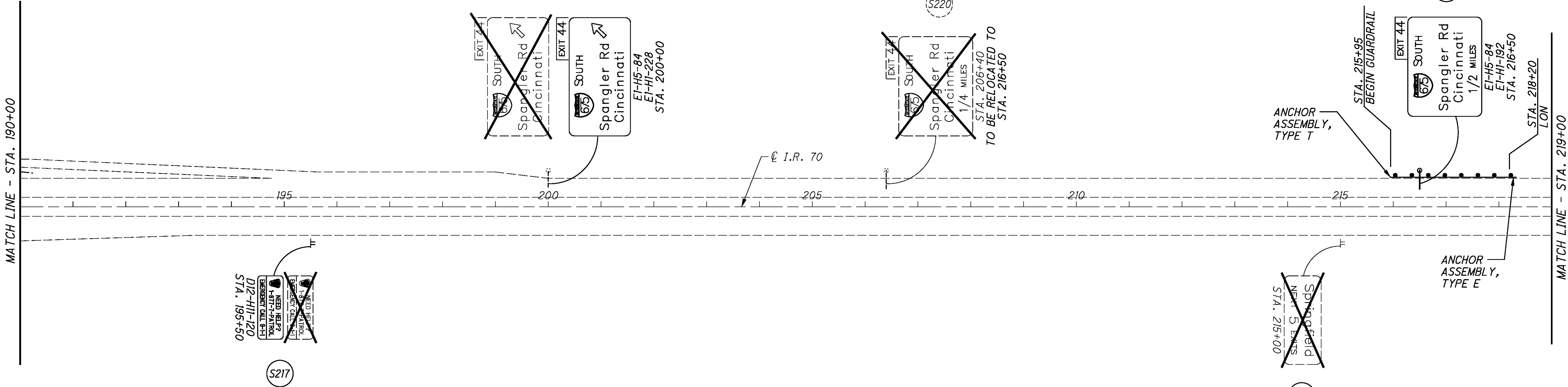
MOT CLA GUIDE
SIGN REPLACEMENT

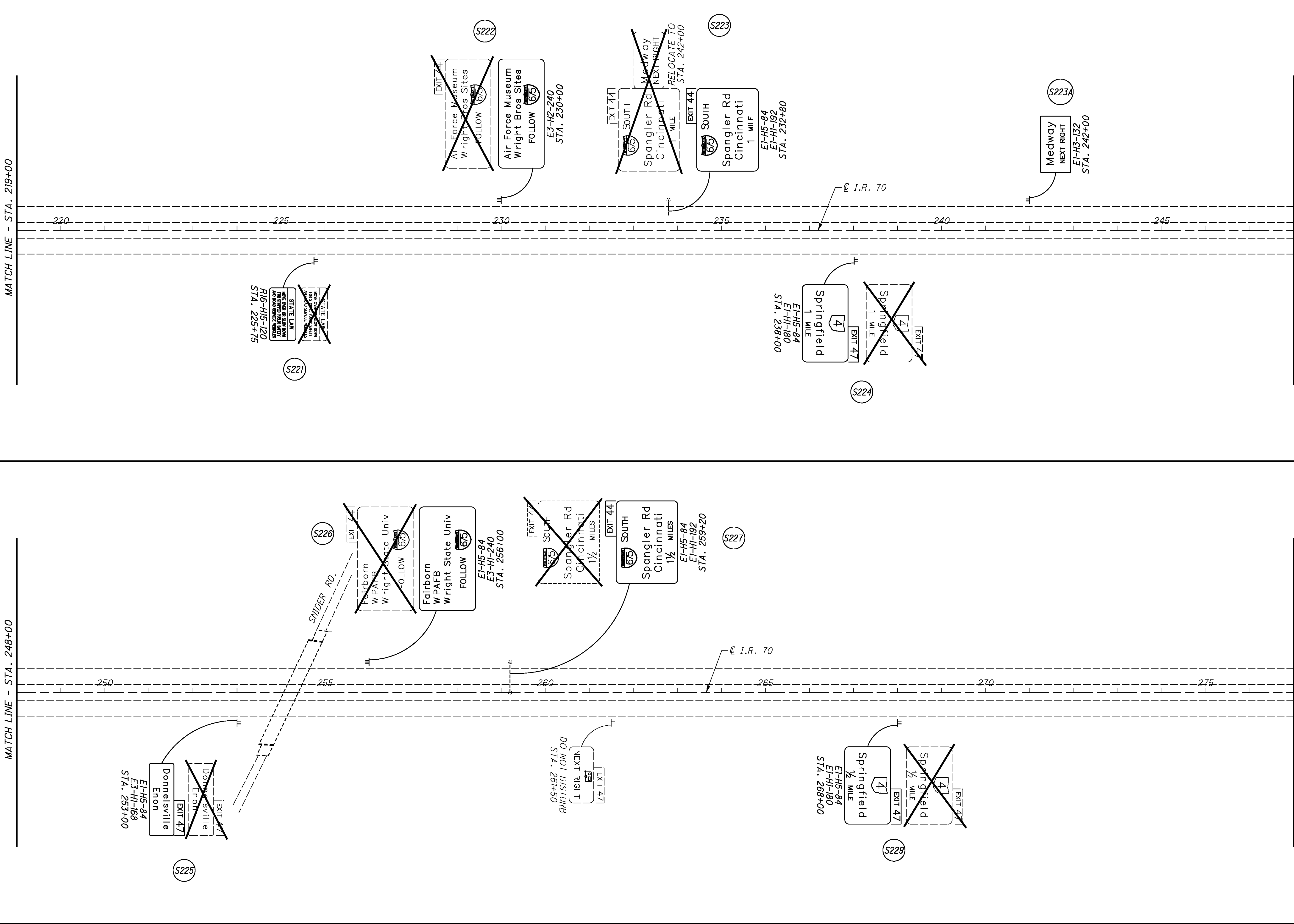
SIGNING PLAN - I.R. 70
STA. 103+00 TO STA. 161+00

CALCULATED
EGD
CHECKED
CTW

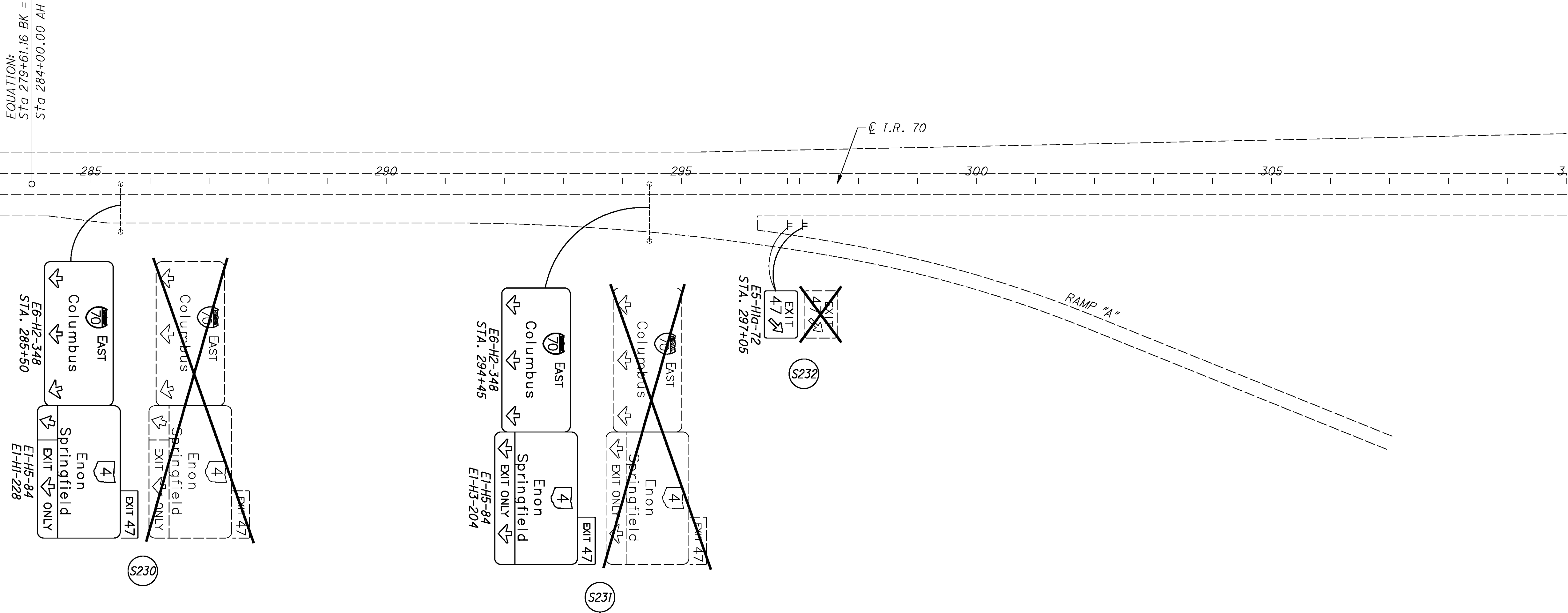


0 50 100 200
HORIZONTAL
SCALE IN FEET





MATCH LINE - STA. 277+00



P:\2009\D7 - GES\87931-Task 7g\83302\CLA70\traffic\sheets\83302td001-70.dgn 9/20/2010 1:32:36 PM edavis



S204

S202

S206

(S203)

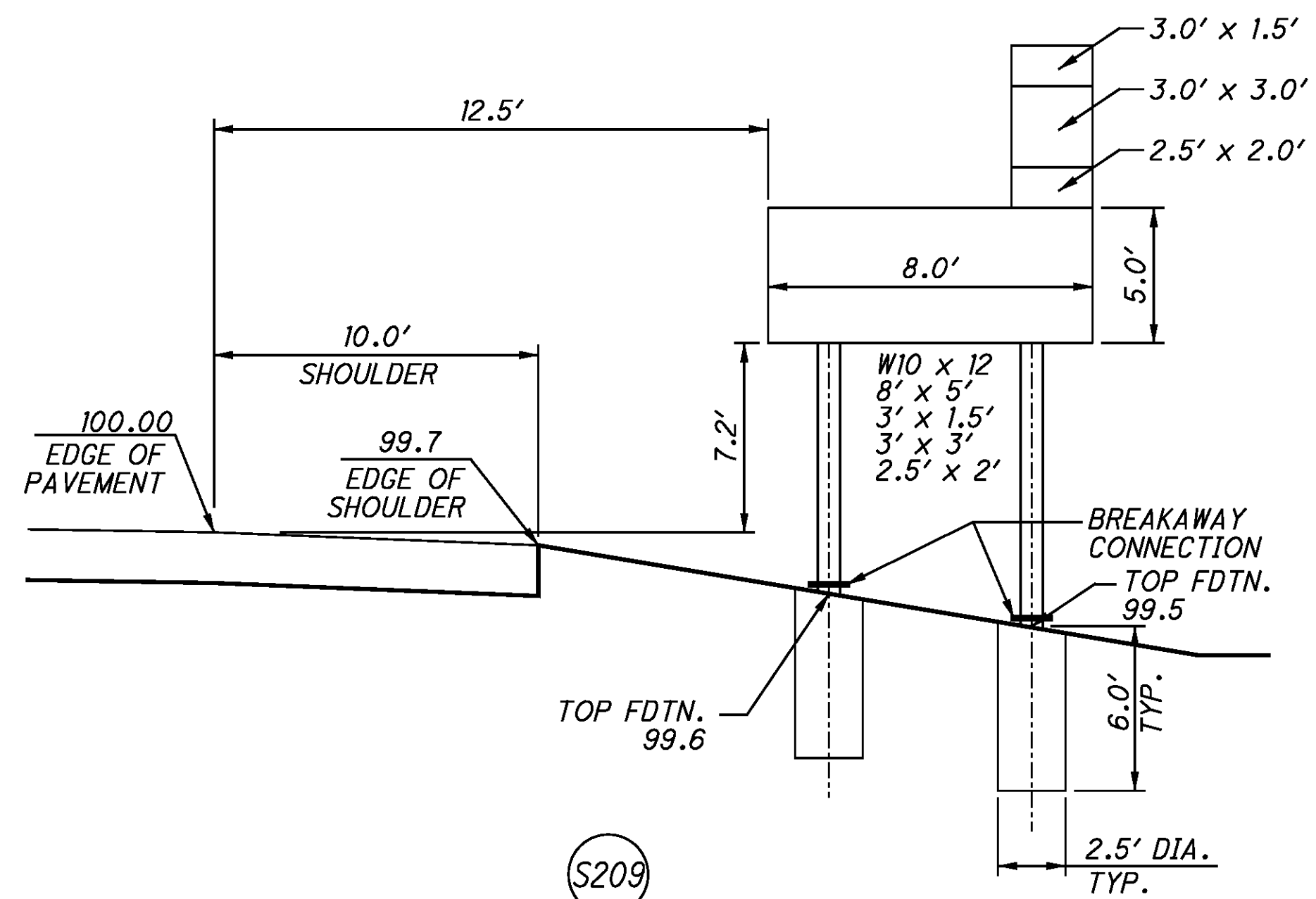
S206A

EGD	CHECKED
	CTW

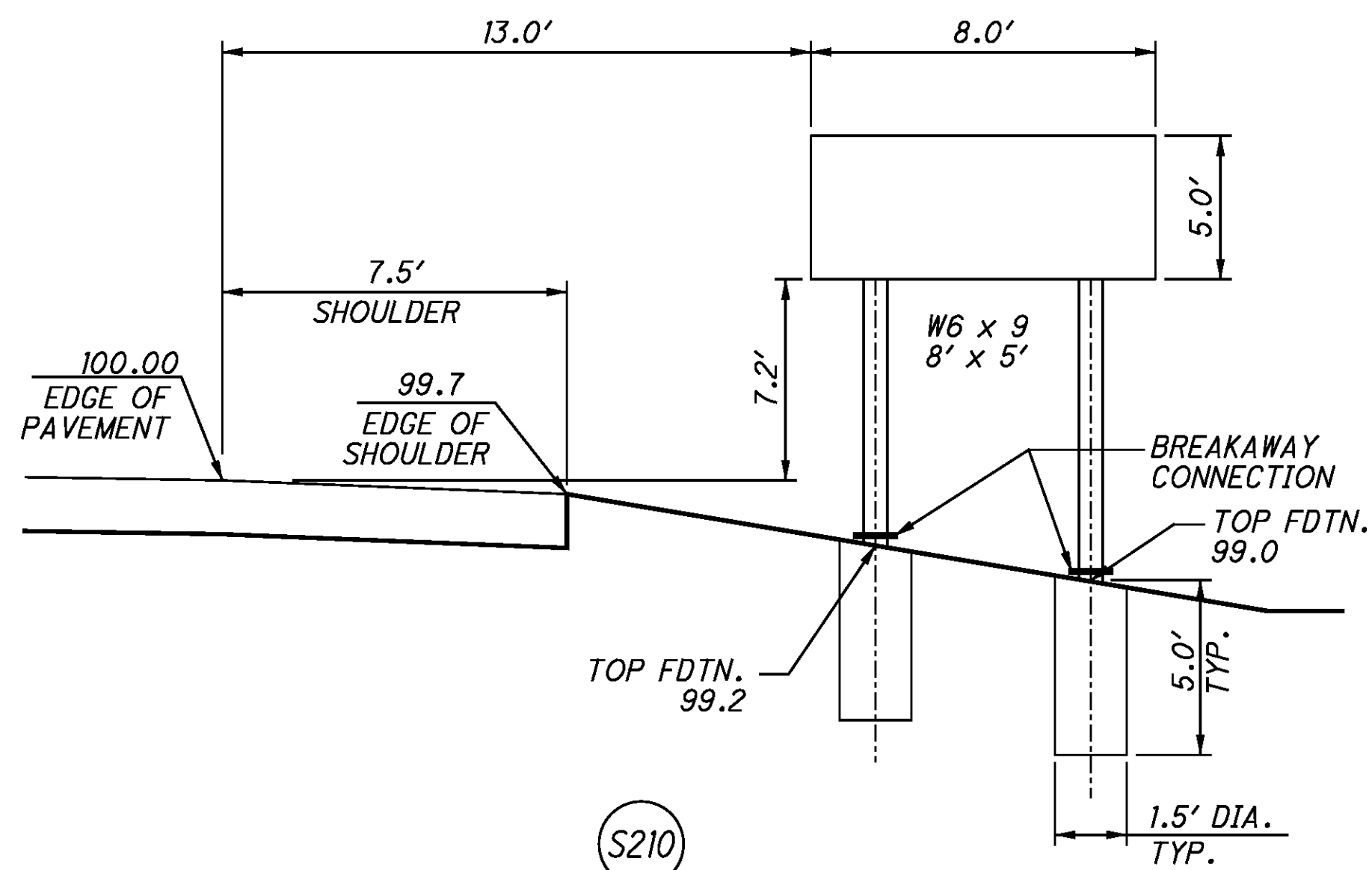
SIGN DETAILS - I.R. 70

SIGN REPLACEMENT

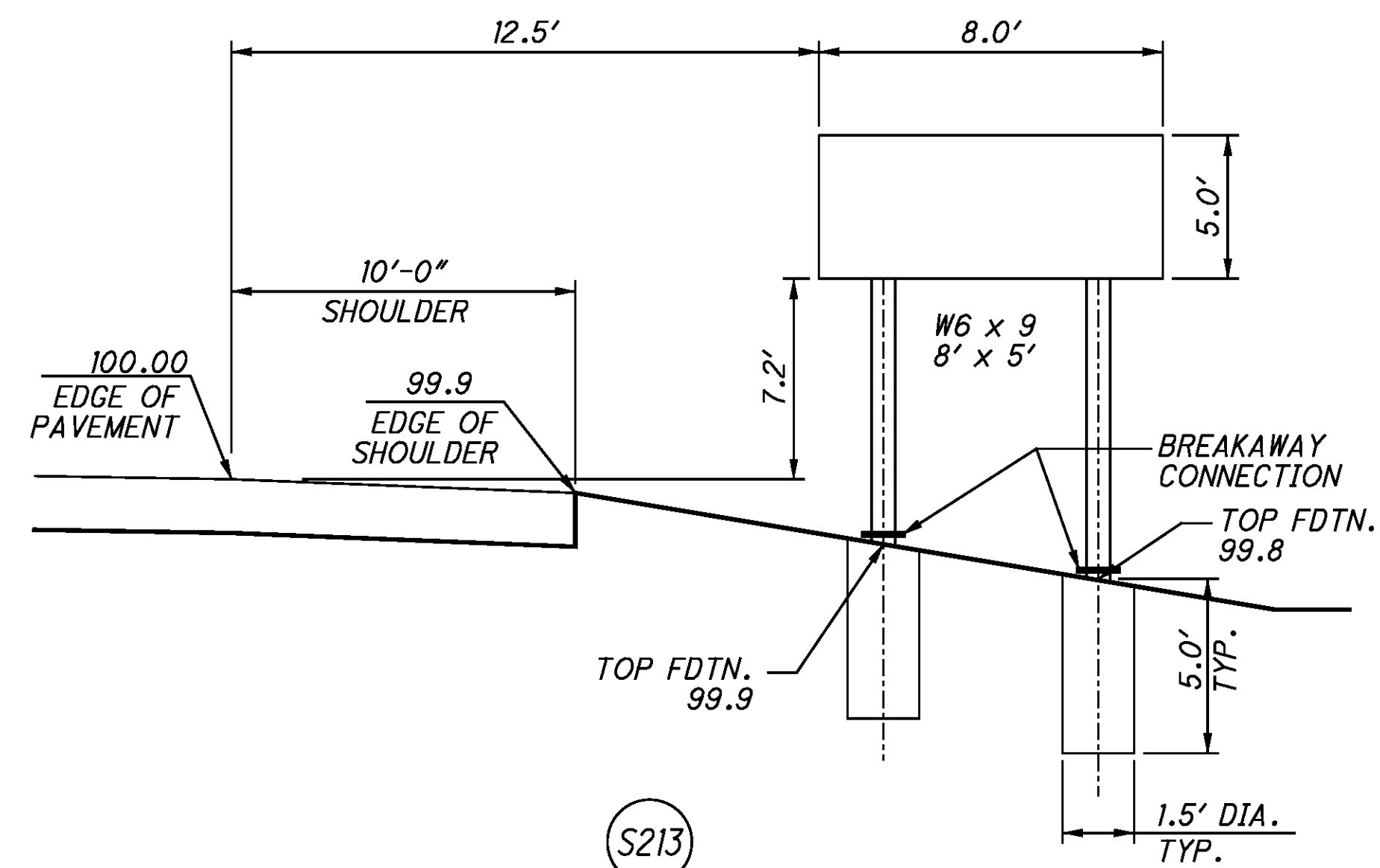
NOTE: OFFSETS ARE MEASURED FROM
EDGE OF PAVEMENT (TYP.).



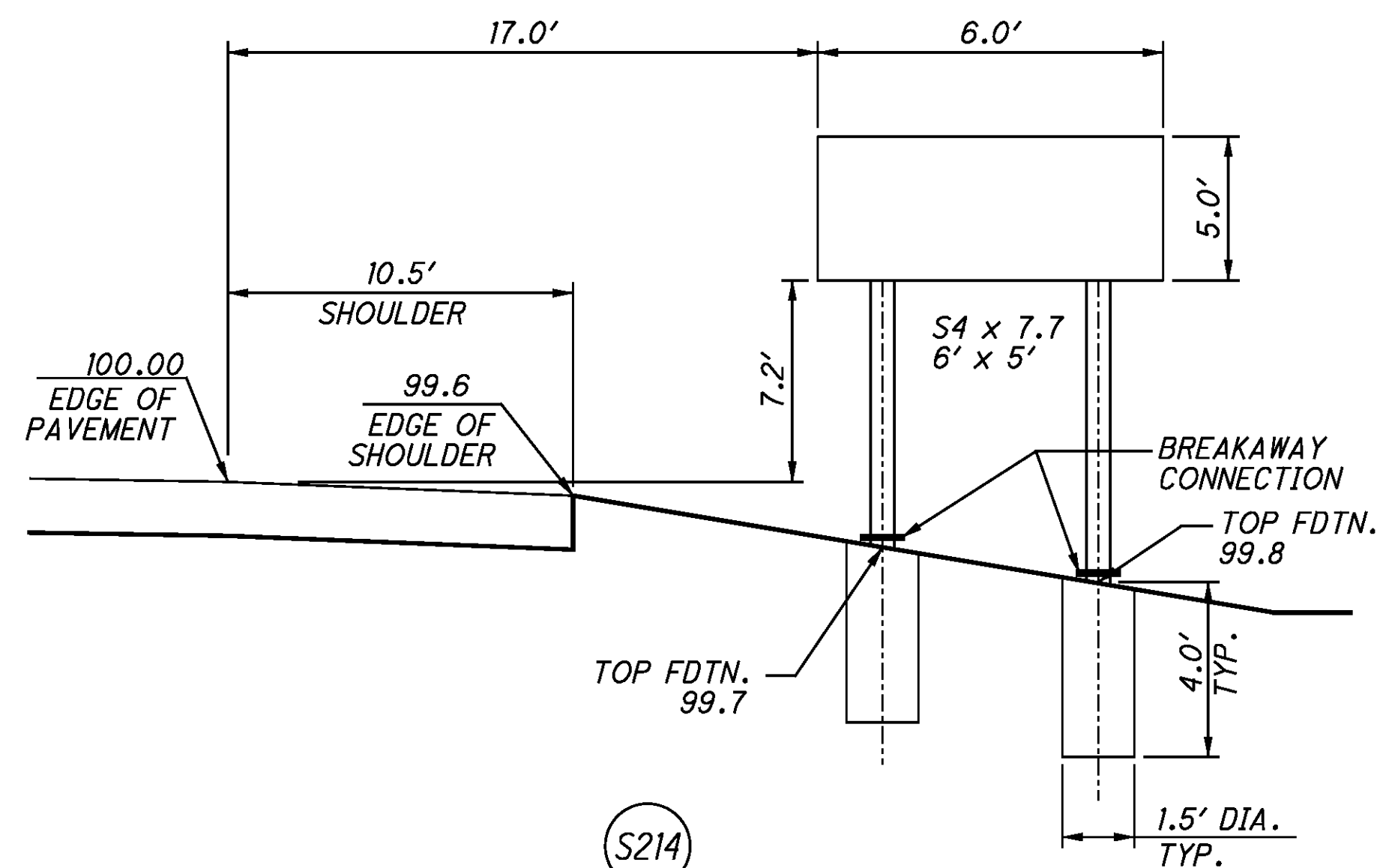
GROUND MOUNTED SIGN
I.R. 70
STA. 151+50, 12.5' RT.



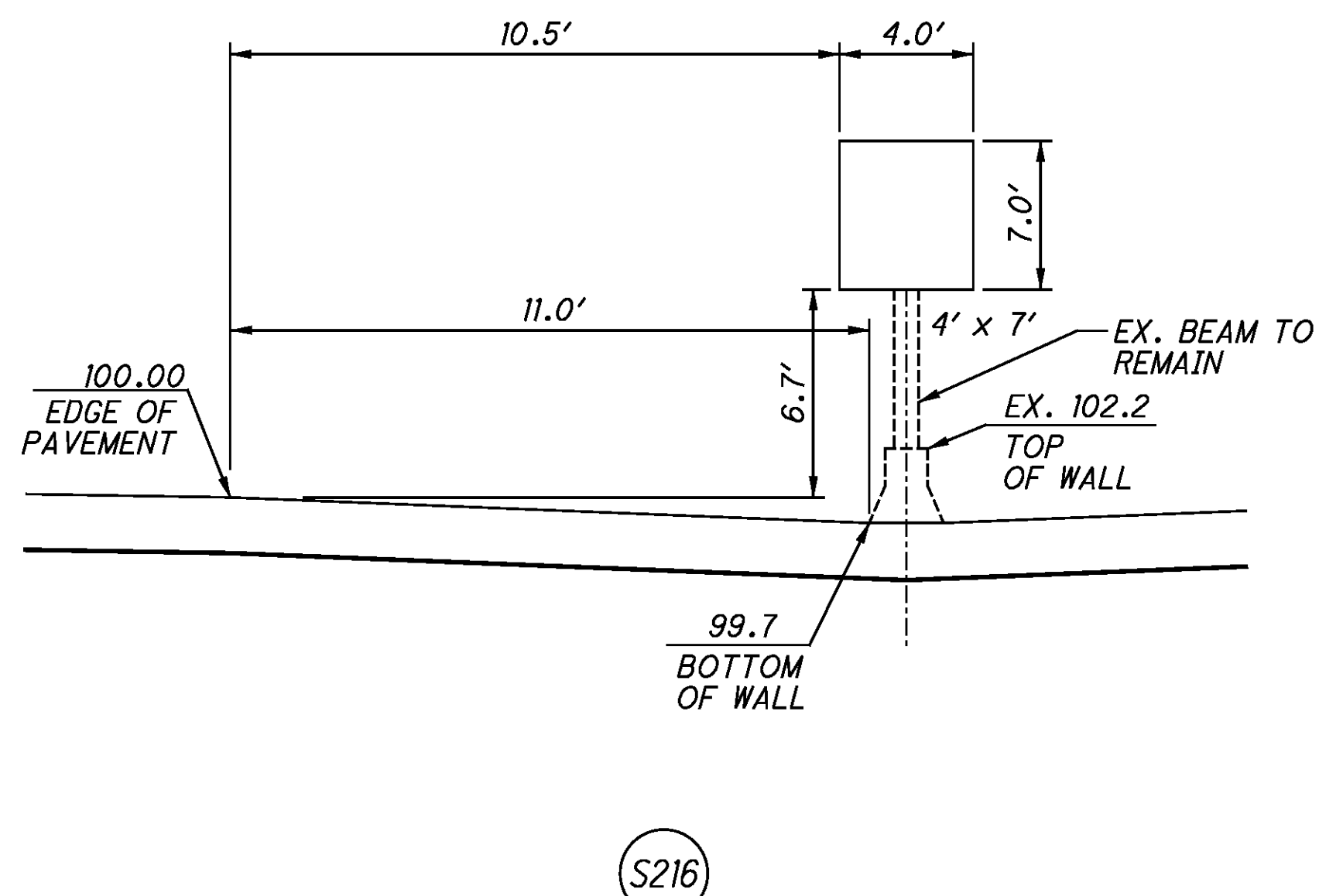
GROUND MOUNTED SIGN
I.R. 70
STA. 160+70, 13.0' LT.



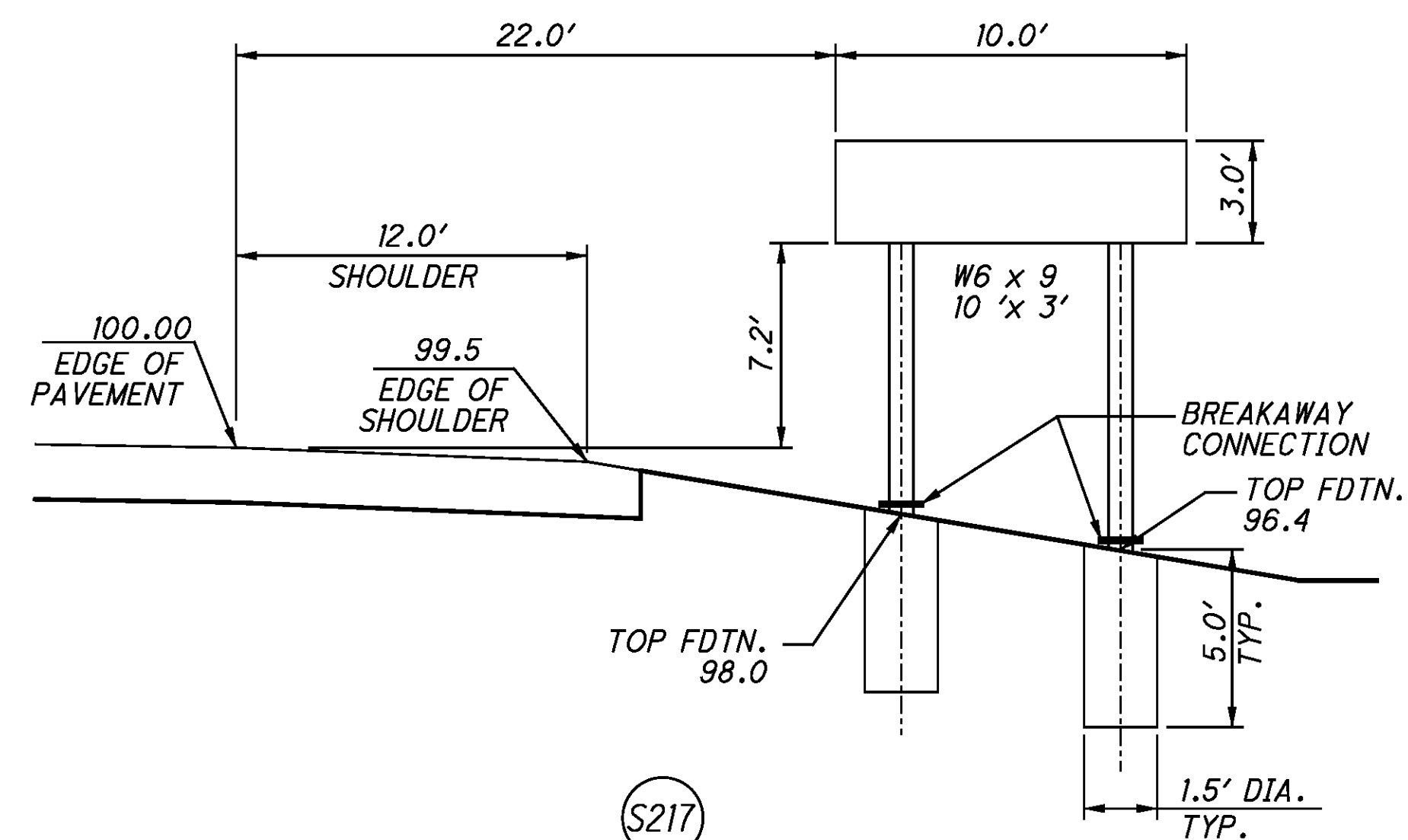
GROUND MOUNTED SIGN
I.R. 70
STA. 167+80, 12.5' RT.



GROUND MOUNTED SIGN
I.R. 70
STA. 179+45, 17.0' LT.



GROUND MOUNTED SIGN
I.R. 70
STA. 189+82.77, 10.5' LT.



GROUND MOUNTED SIGN
I.R. 70
STA. 195+50, 22.0' RT.

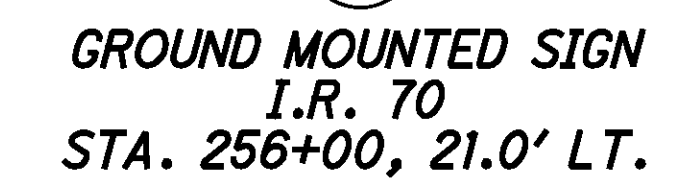
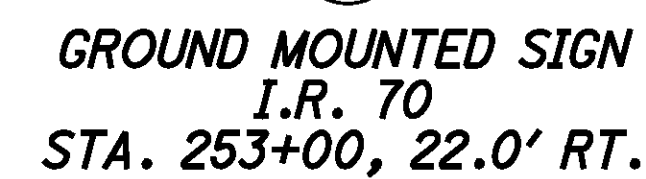
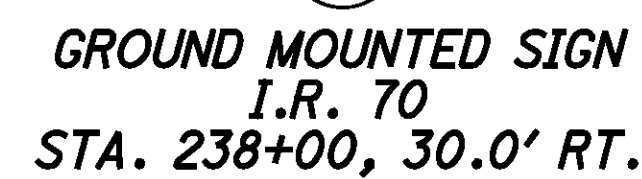
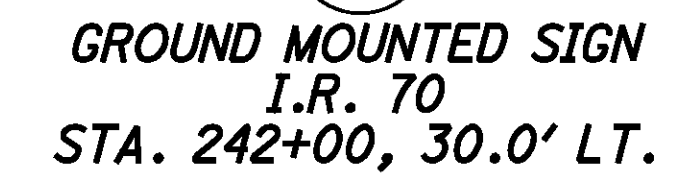
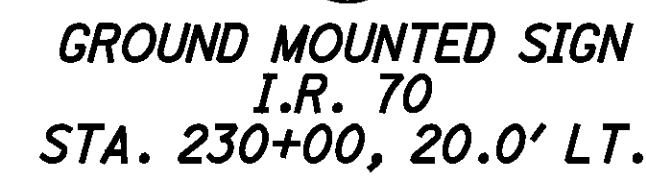
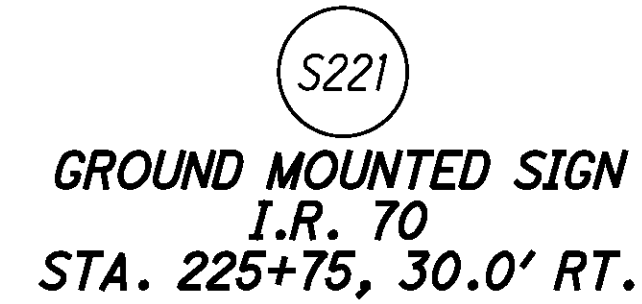
CALCULATED
EGD
CHECKED
CTW

SIGN DETAILS - I.R. 70


MOT / CLA GUIDE
SIGN REPLACEMENT

30
87

P:\2009\D7 - GES\87931-Task 79\83302\CLA70\traffic\sheets\87931td003-70.dgn 9/20/2010 1:43:00 PM edavis

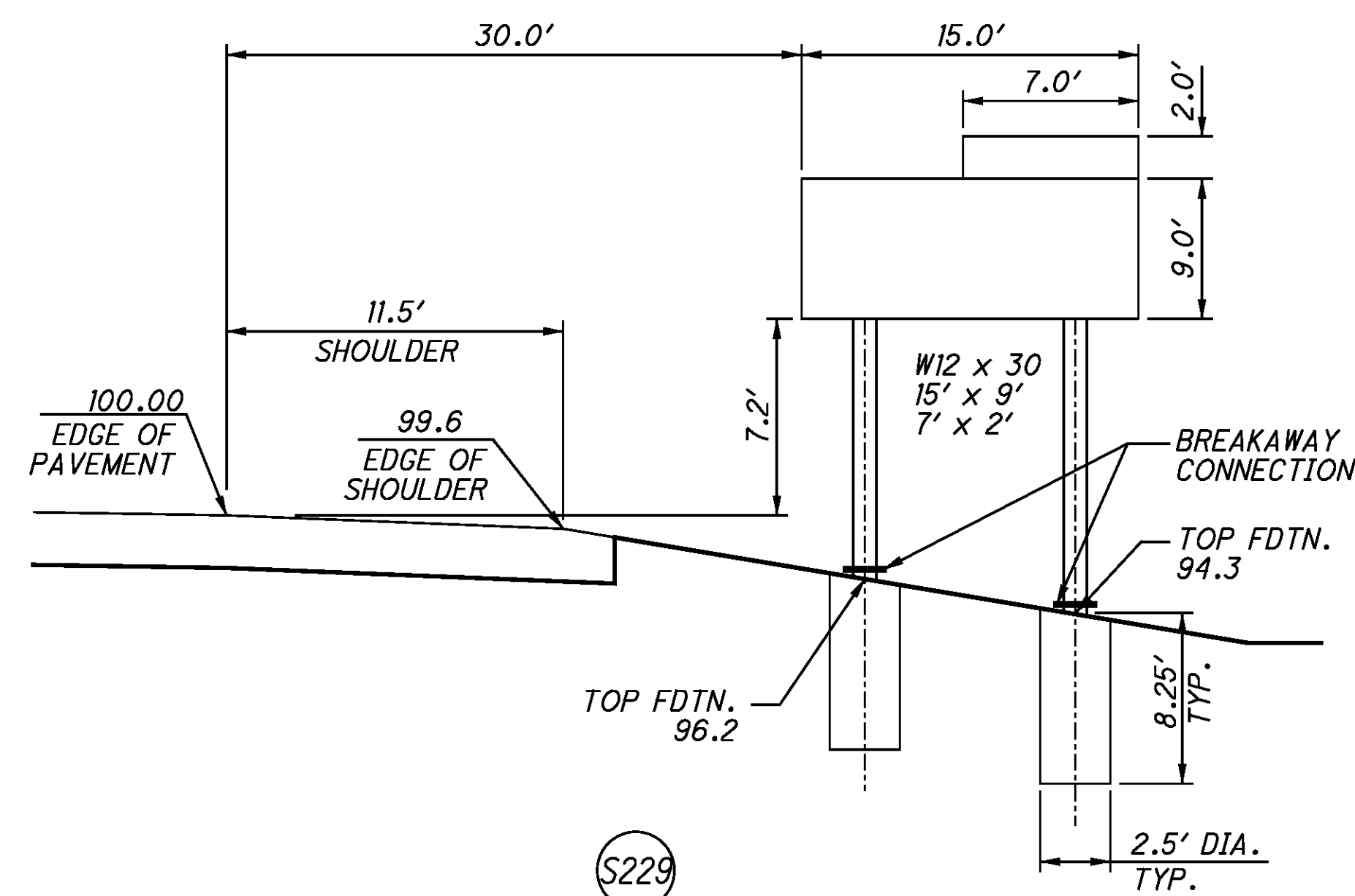


MOT/CLA GUIDE SIGN REPLACEMENT

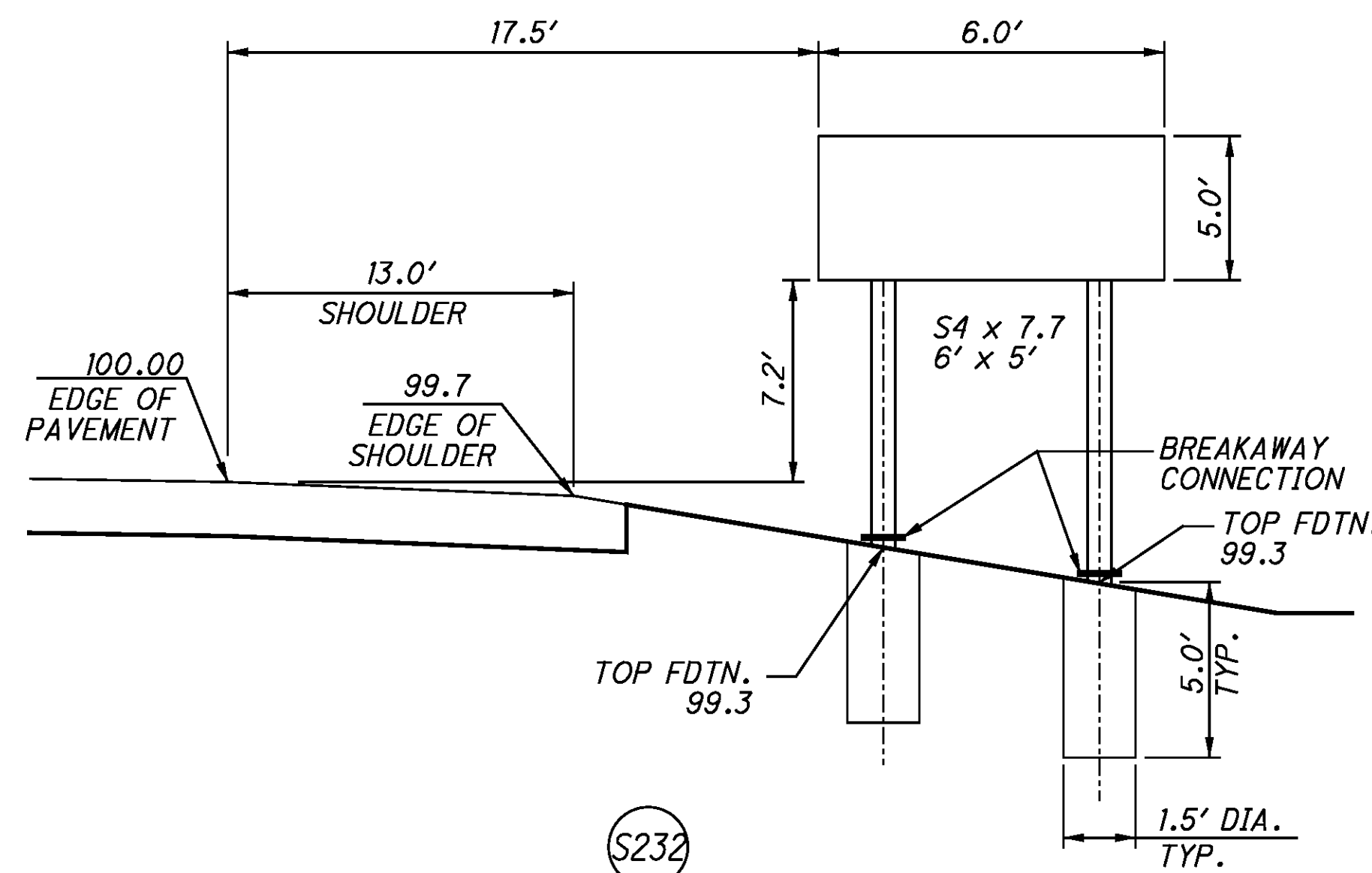


P:\2009\07 - GES\87931-Task 7g\83302\CL\A70\traffic\sheets\87931td004-70.dgn 9/20/2010 2:03:22 PM edavis

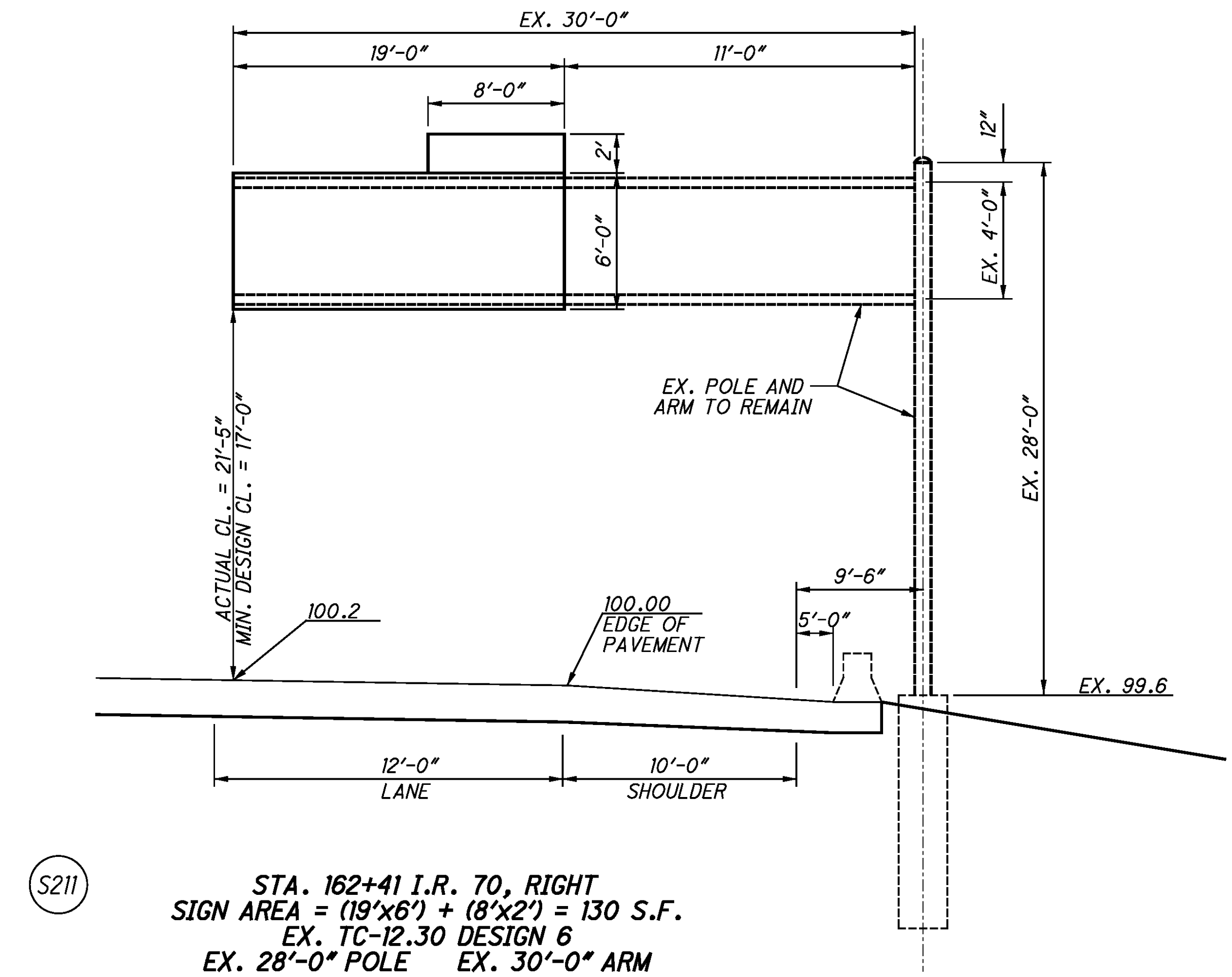
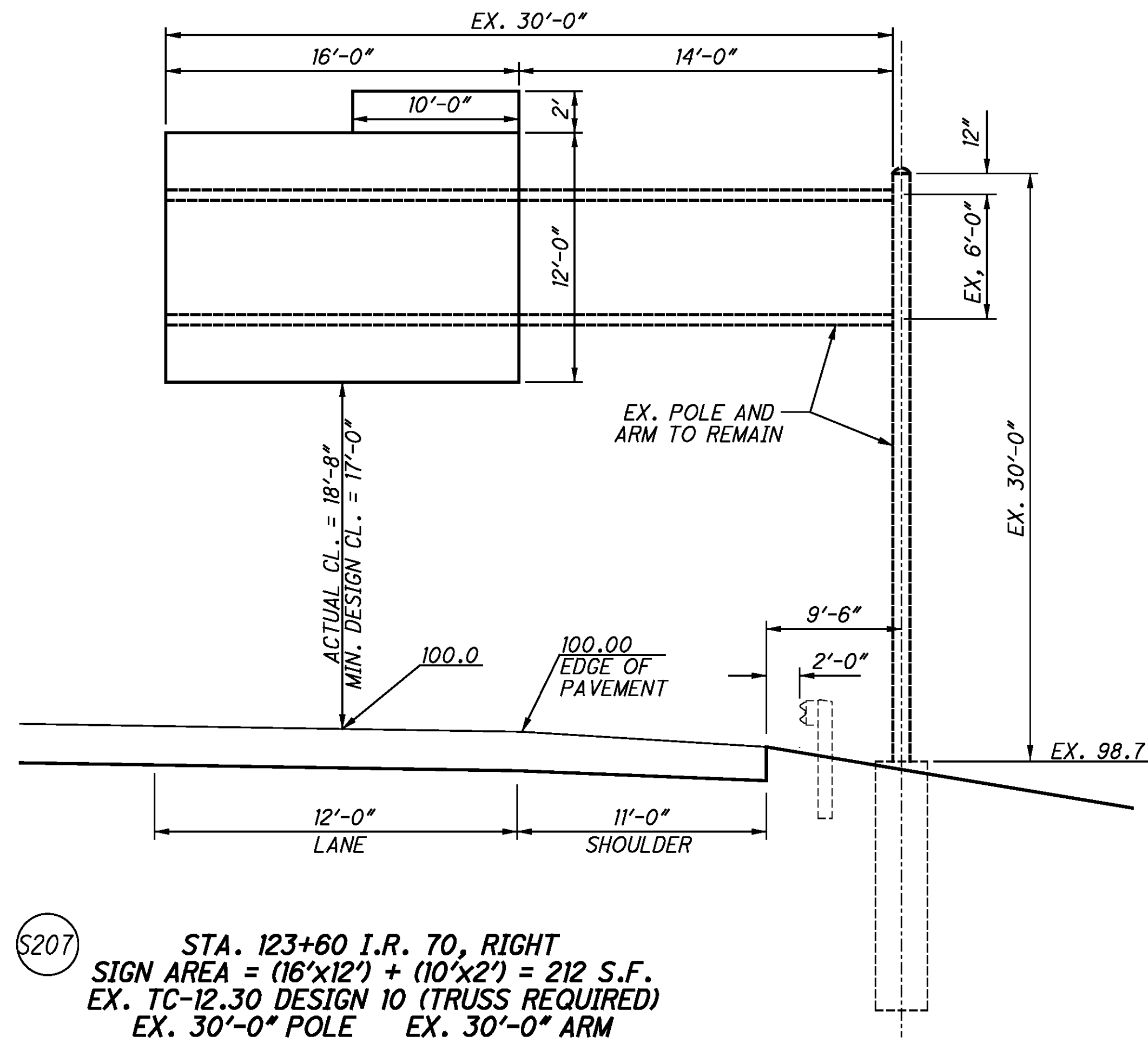
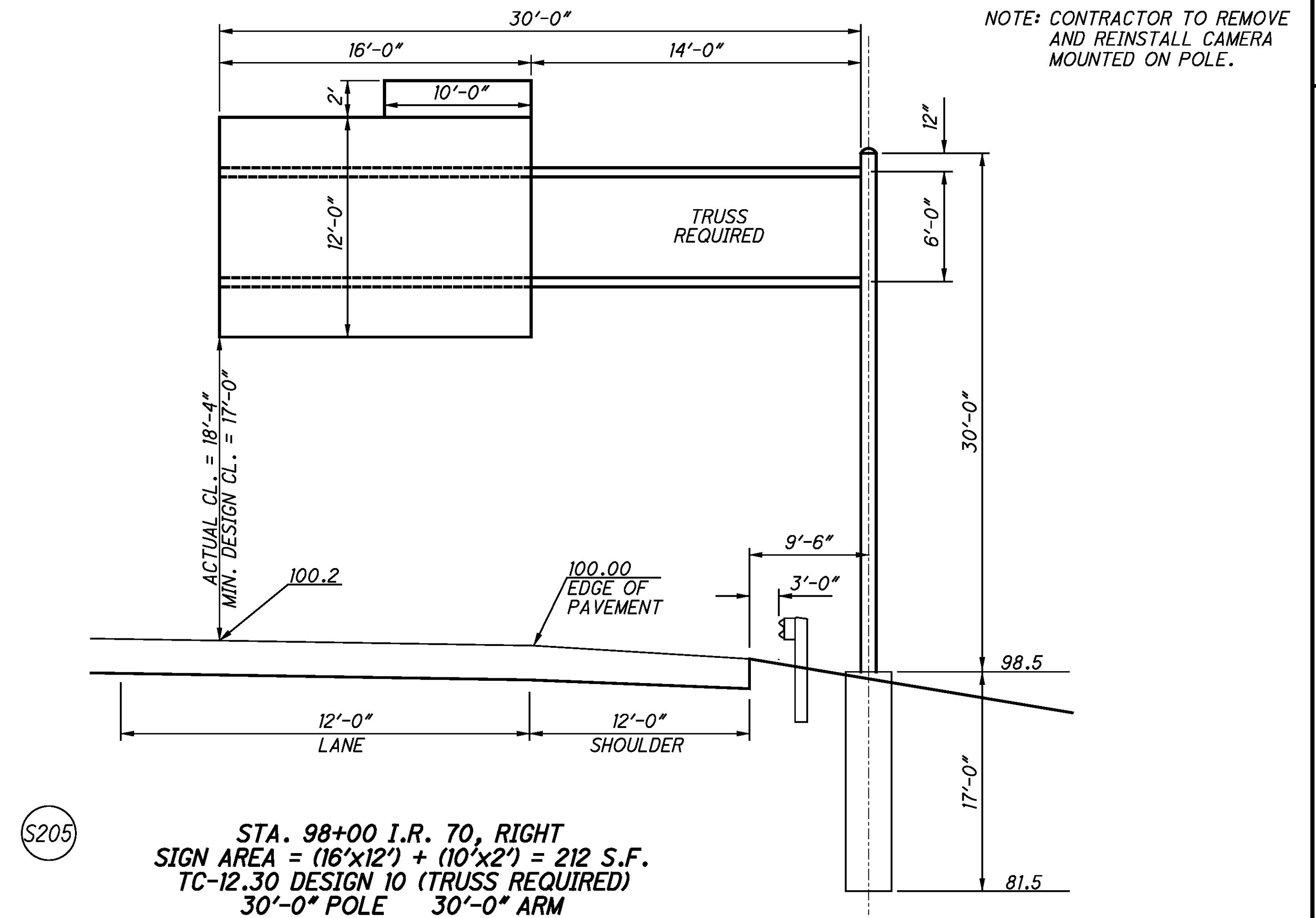
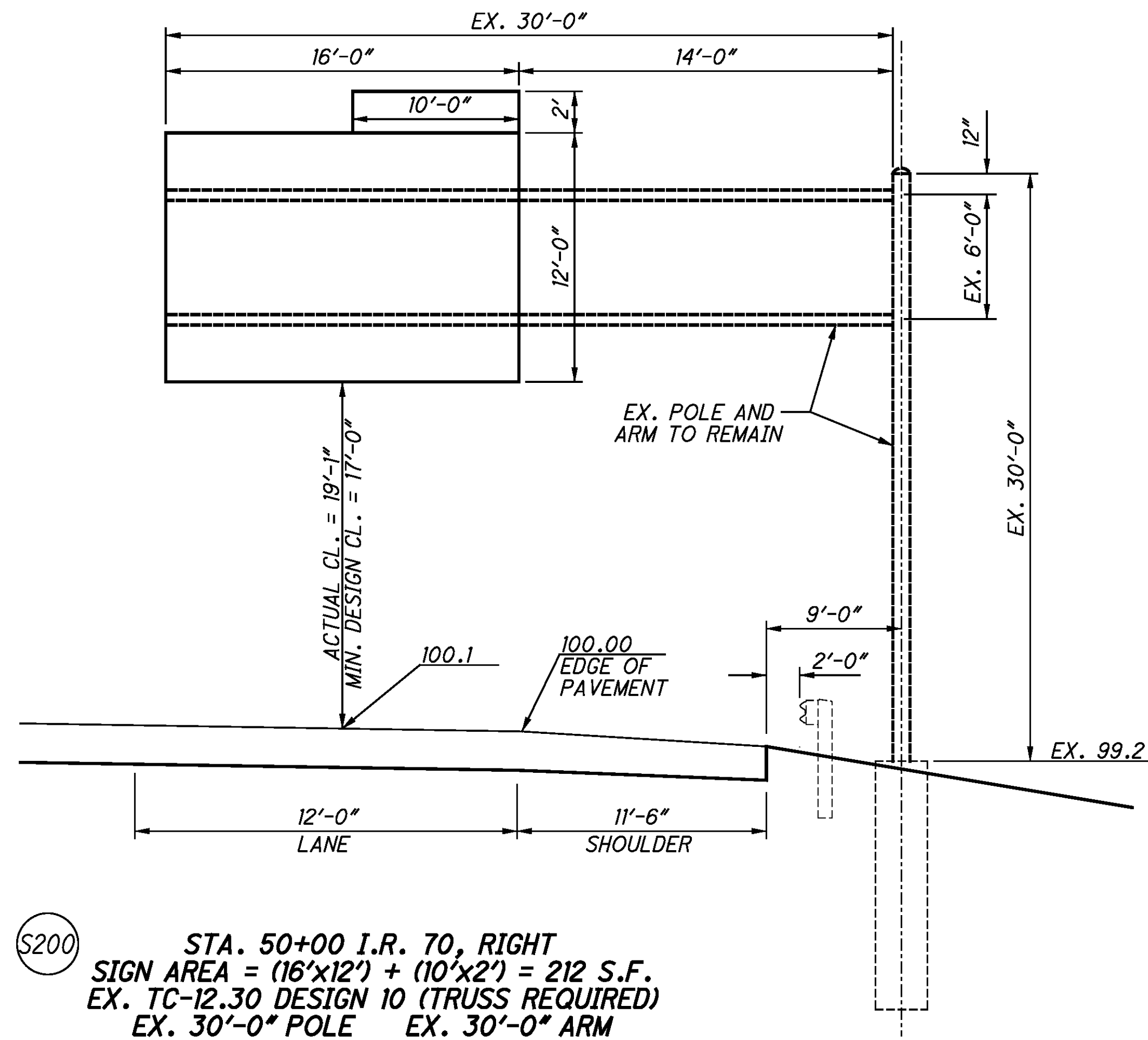
NOTE: OFFSETS ARE MEASURED FROM
EDGE OF PAVEMENT (TYP.).

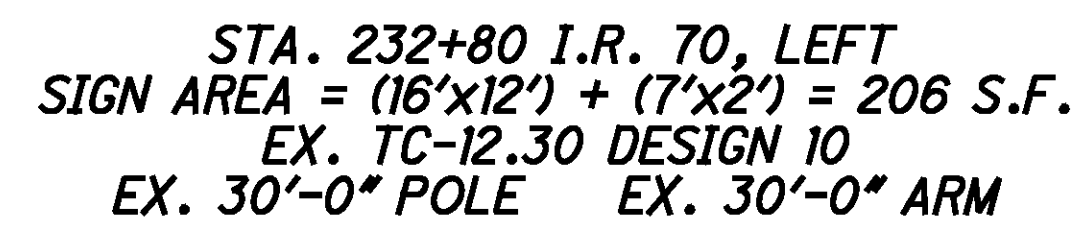
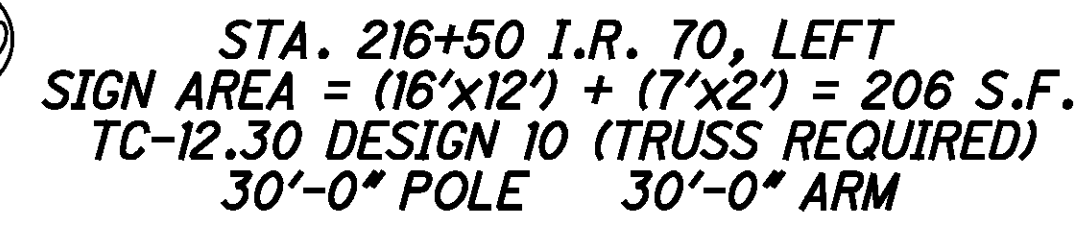
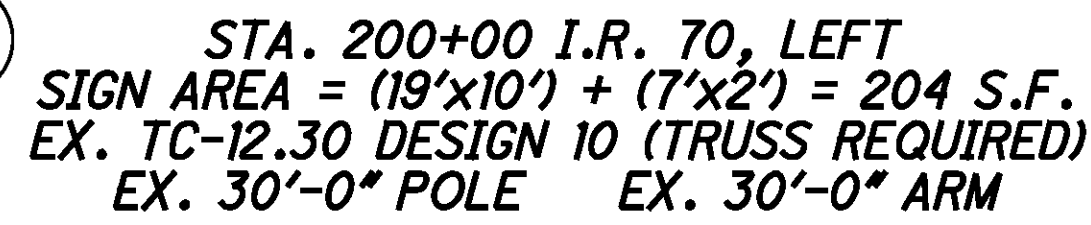


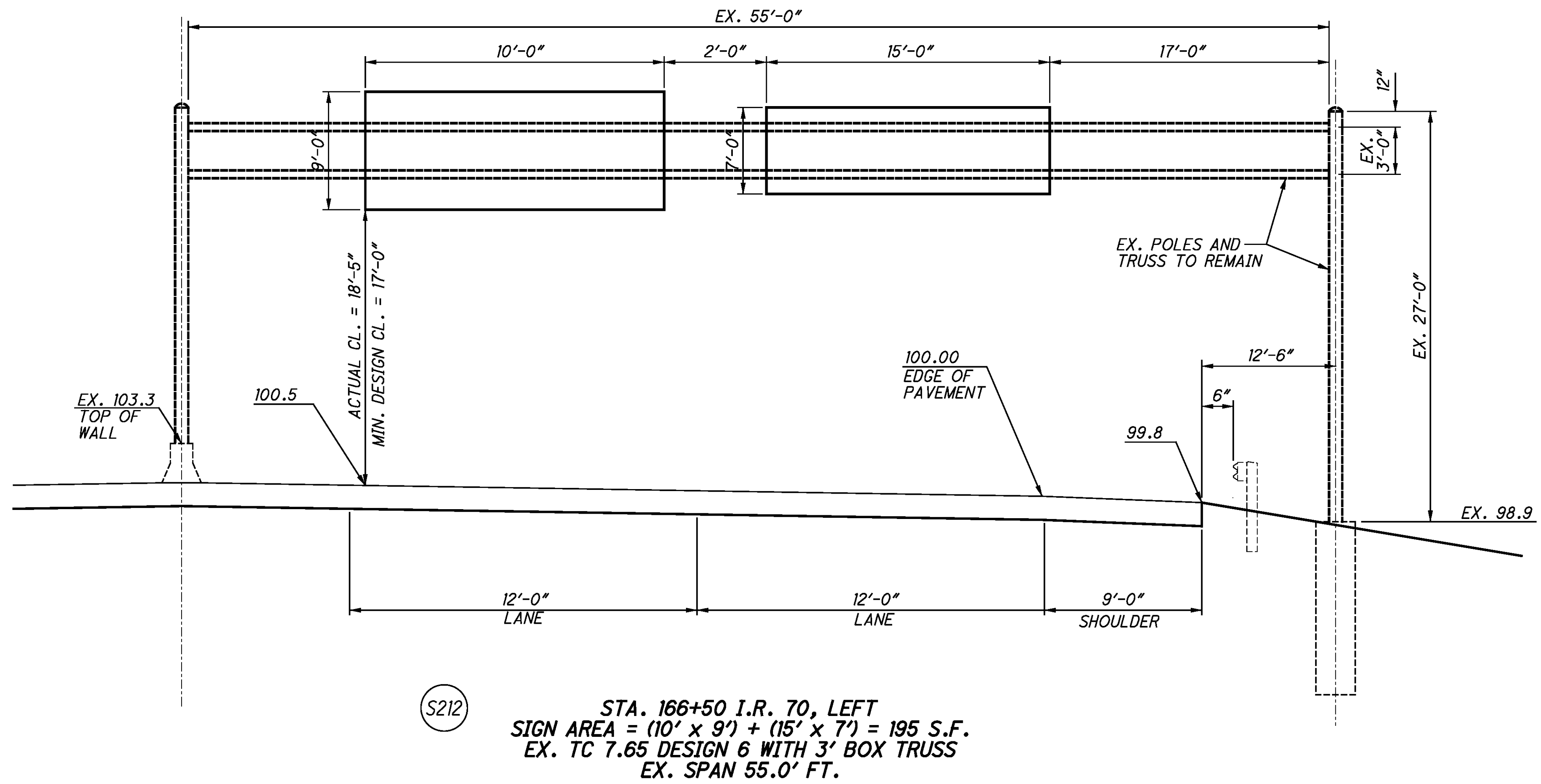
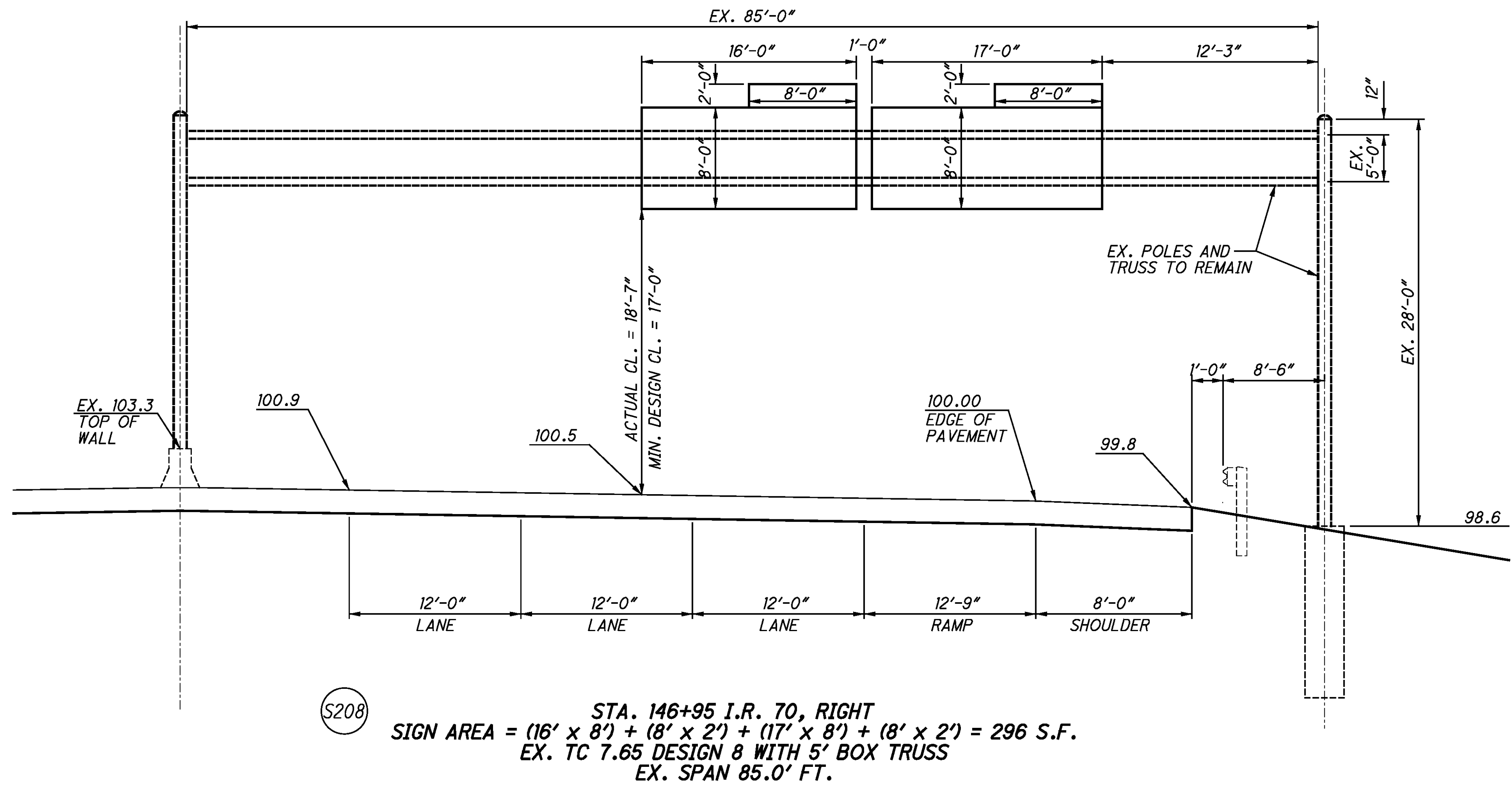
GROUND MOUNTED SIGN
I.R. 70
STA. 268+00, 30.0' RT.

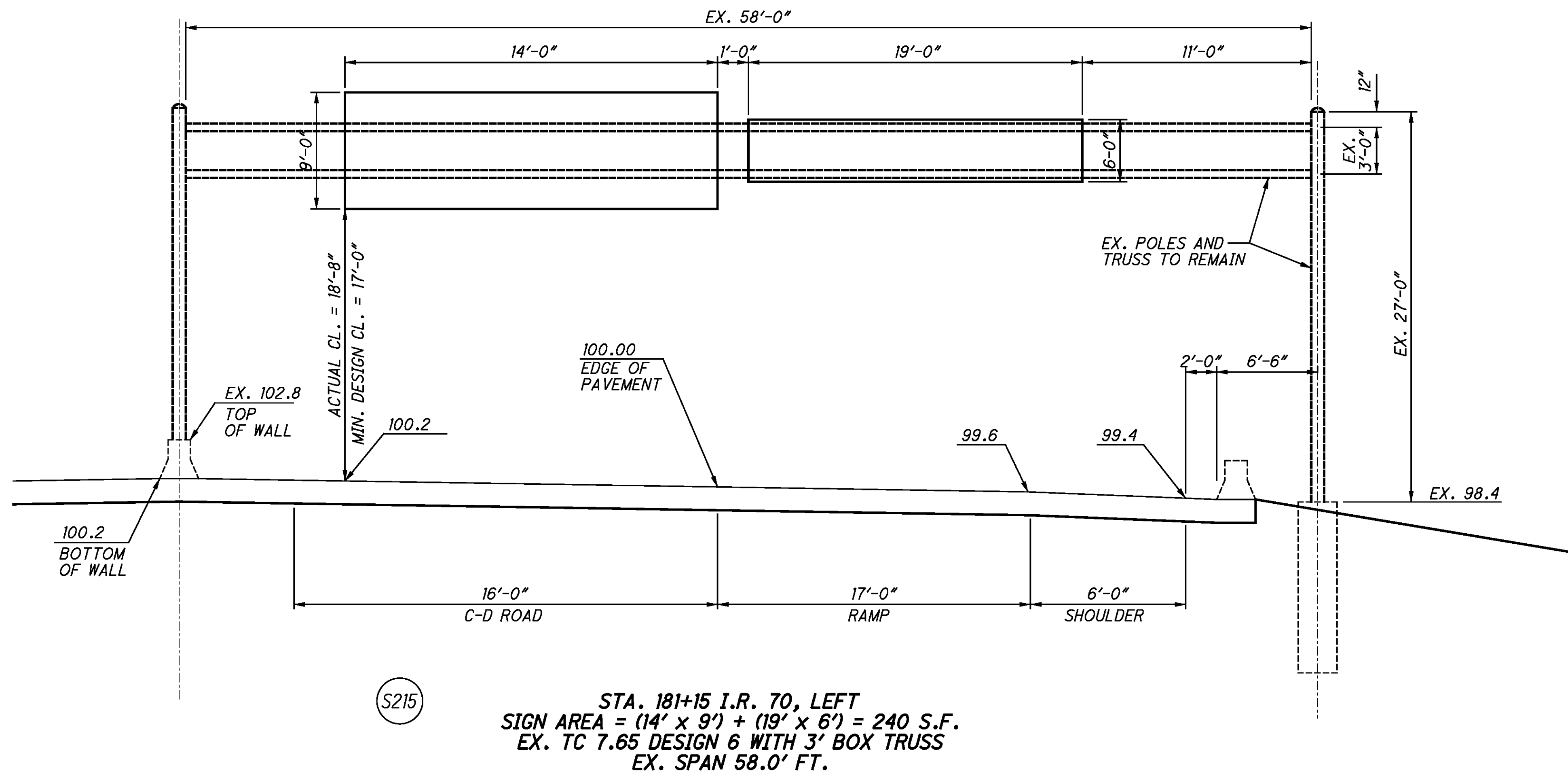


GROUND MOUNTED SIGN
I.R. 70
STA. 297+05, 17.5' RT.

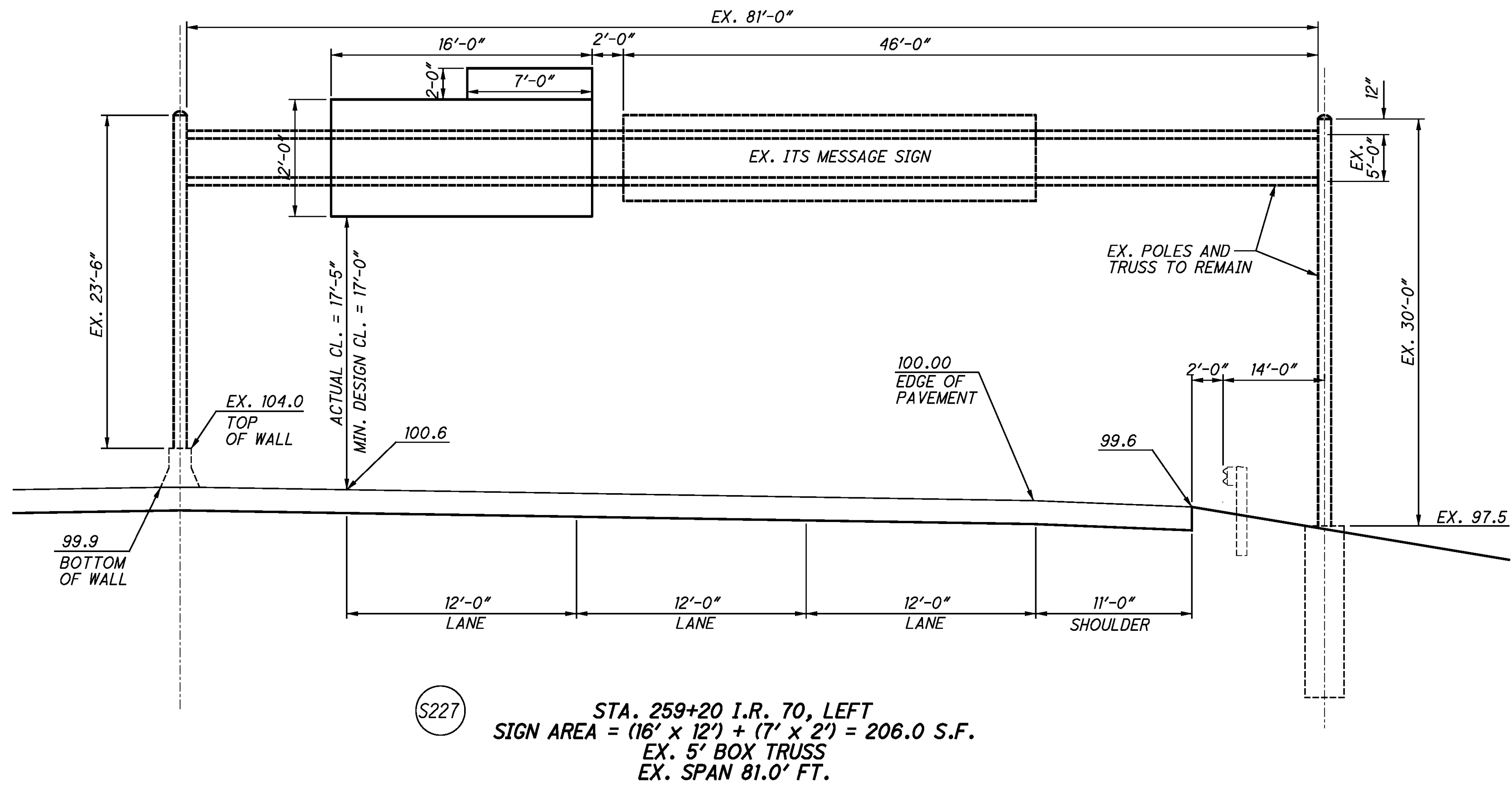








NOTE: CONTRACTOR TO REMOVE AND REINSTALL CAMERA MOUNTED ON POLE.



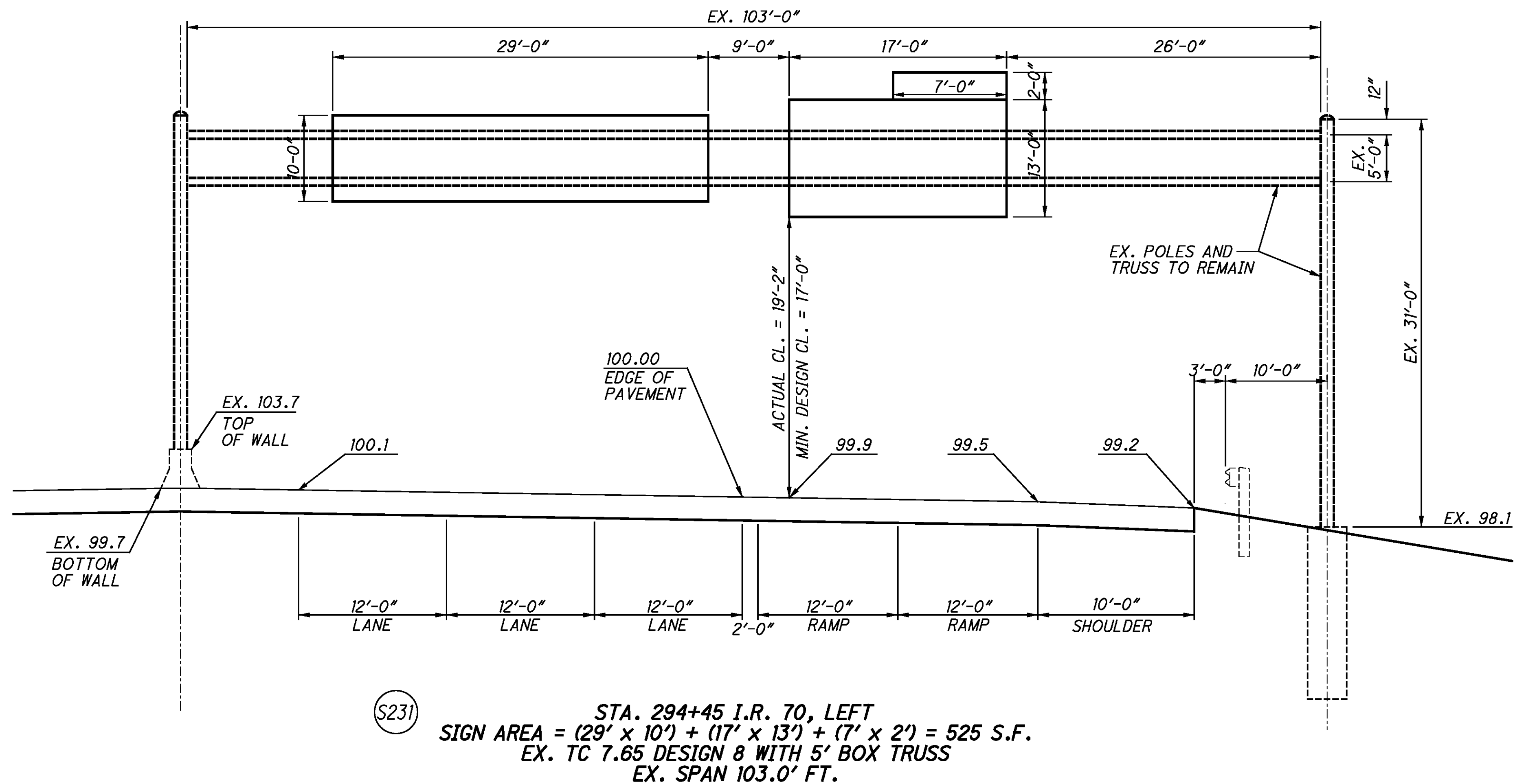
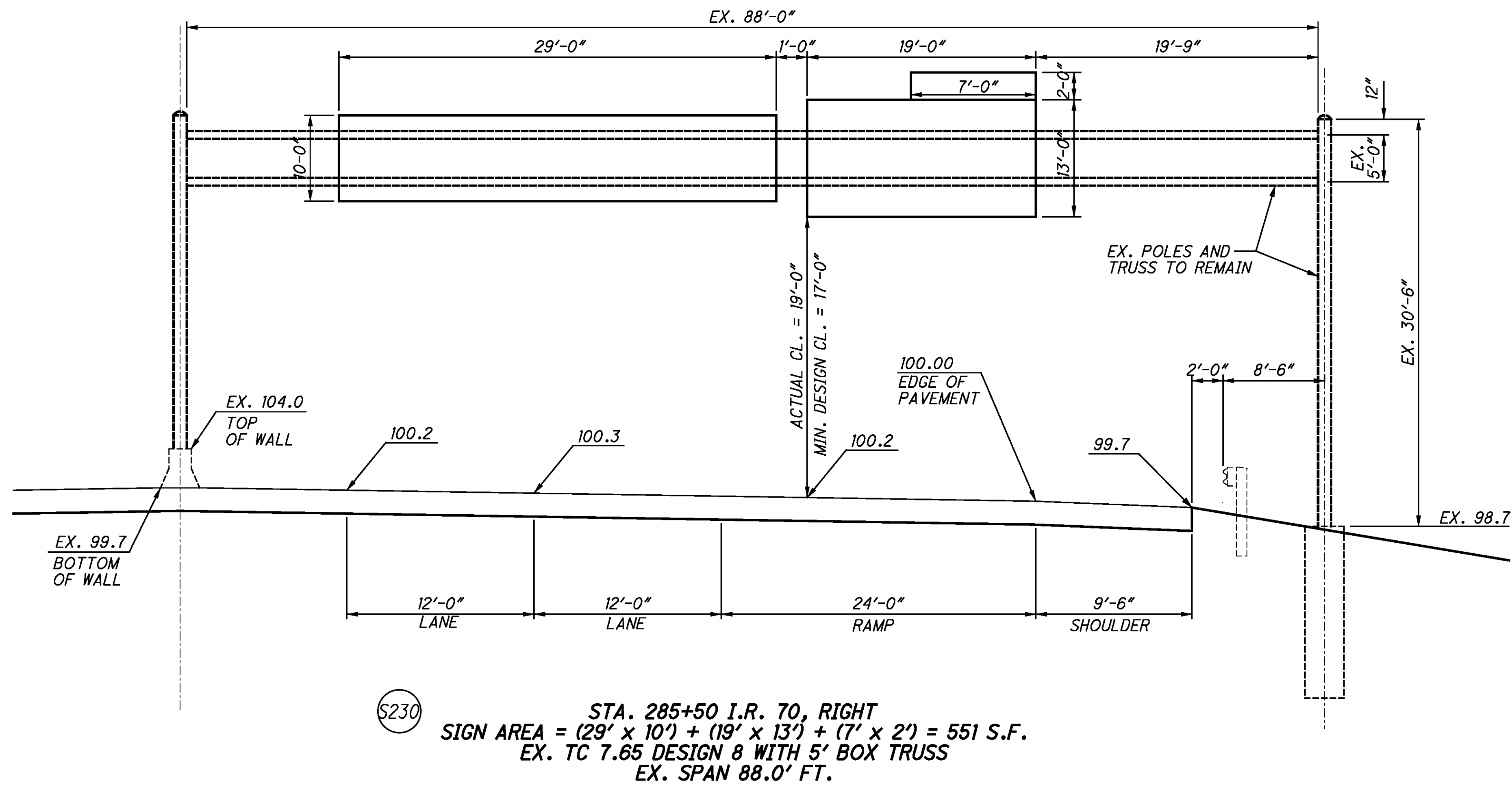
CALCULATED
EGD
CHECKED
CTW

SIGN DETAILS - I.R. 70

MOT / CLA GUIDE
SIGN REPLACEMENT

36
87





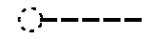

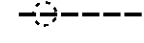

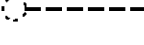








NOTE: CONTRACTOR TO REMOVE
AND REINSTALL CAMERA
MOUNTED ON POLE.

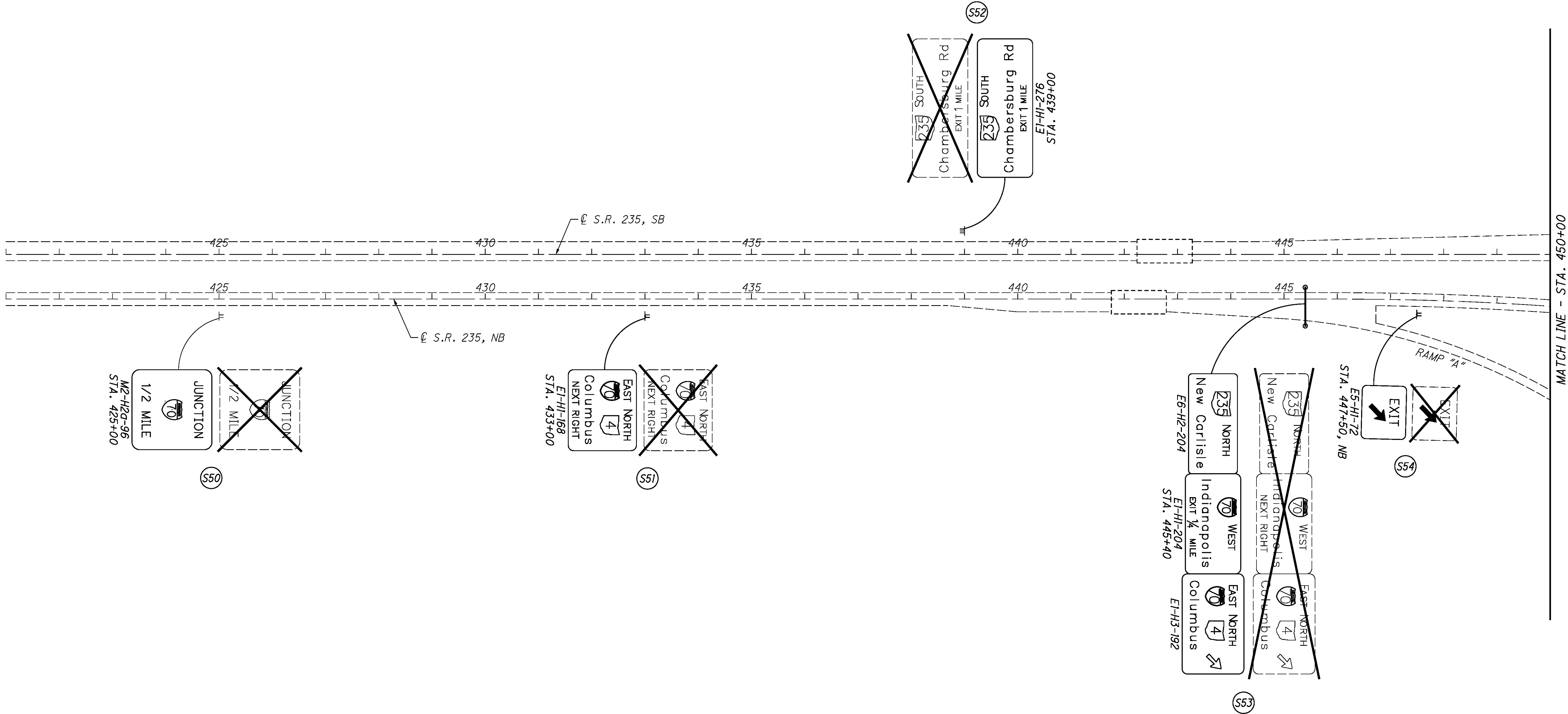


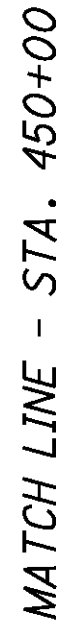
[illegible]

[illegible]

[illegible]

LEGEND		
 EXISTING SIGN	 EXISTING SIGN TO BE REMOVED	 PROPOSED SIGN
PROPOSED	EXISTING	
		OVERHEAD CANTILEVER SIGN SUPPORT
		OVERHEAD CENTER MOUNT SIGN SUPPORT
		OVERHEAD TRUSS SIGN SUPPORT
		ONE POST SIGN, GROUND MOUNTED
		TWO POST SIGN, GROUND MOUNTED
		THREE POST SIGN, GROUND MOUNTED
		SINGLE POST SIGN, BACK TO BACK, GROUND MOUNTED





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S54

S51

S54A

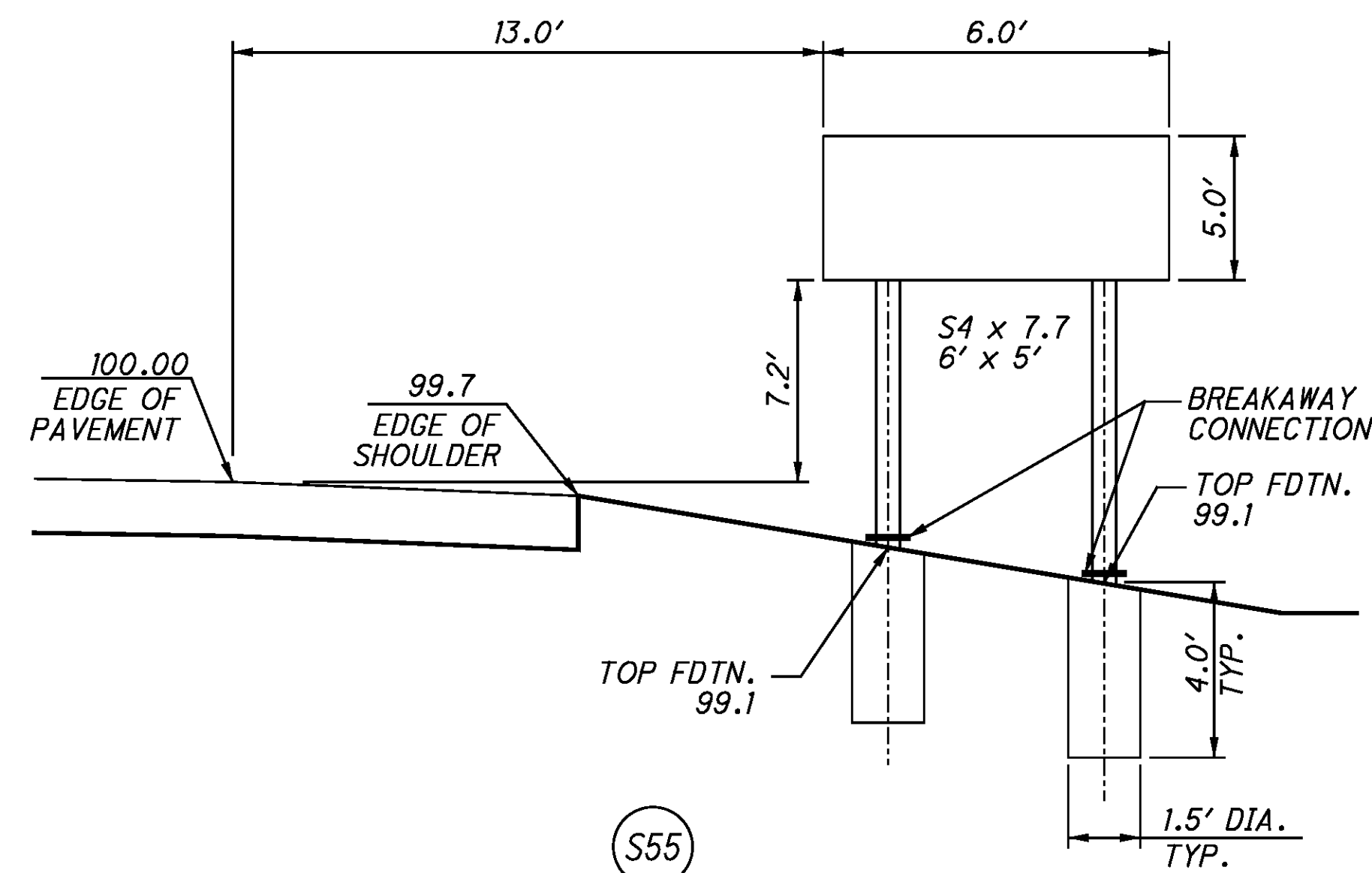
S52

(S54B)

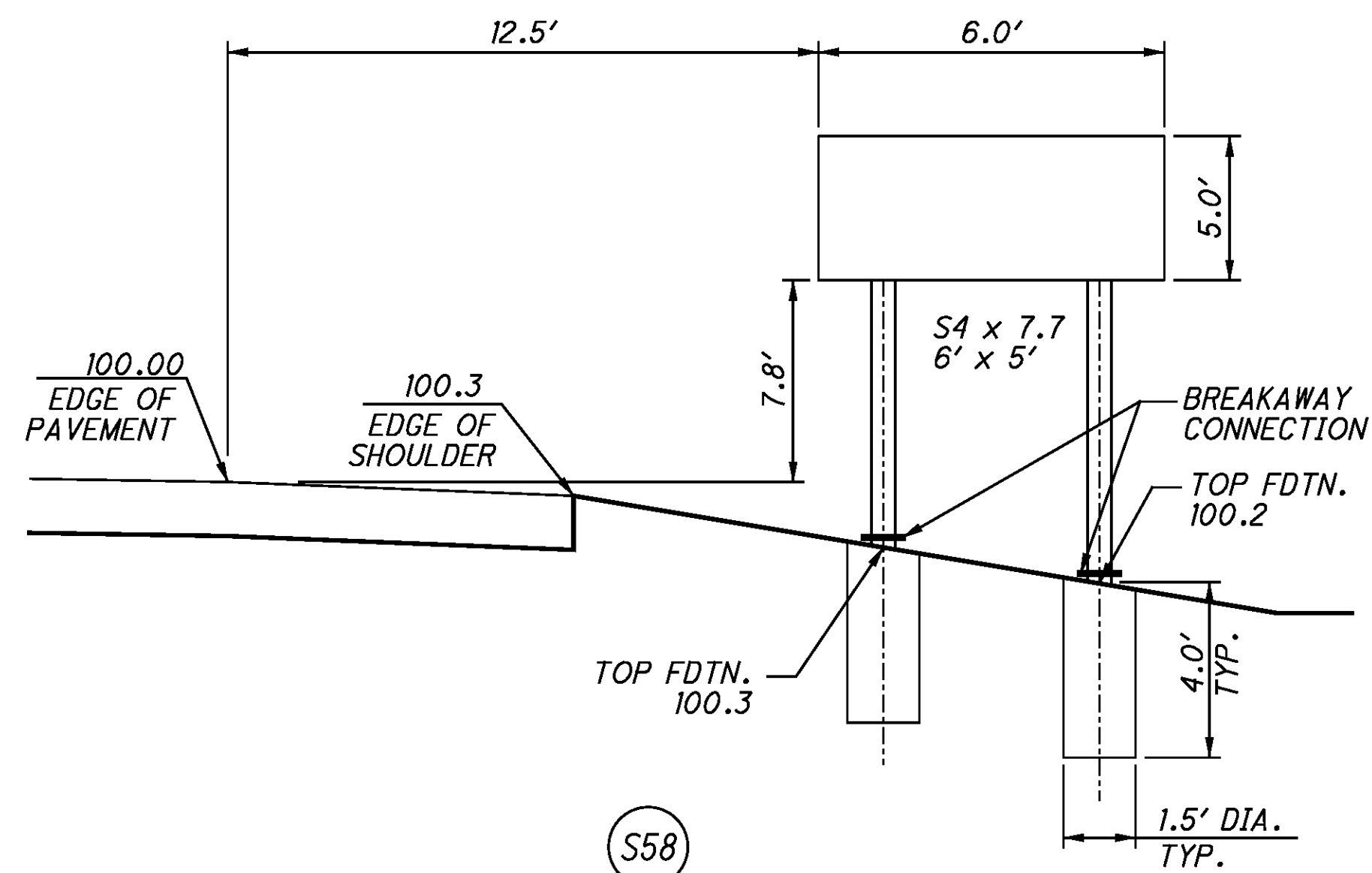
$$\frac{43}{87}$$

P:\2009\07 - GES\87931-Task 7g\83302\CL\A235\traffic\sheet\87931td002-235.dgn 9/20/2010 2:28:17 PM edavis

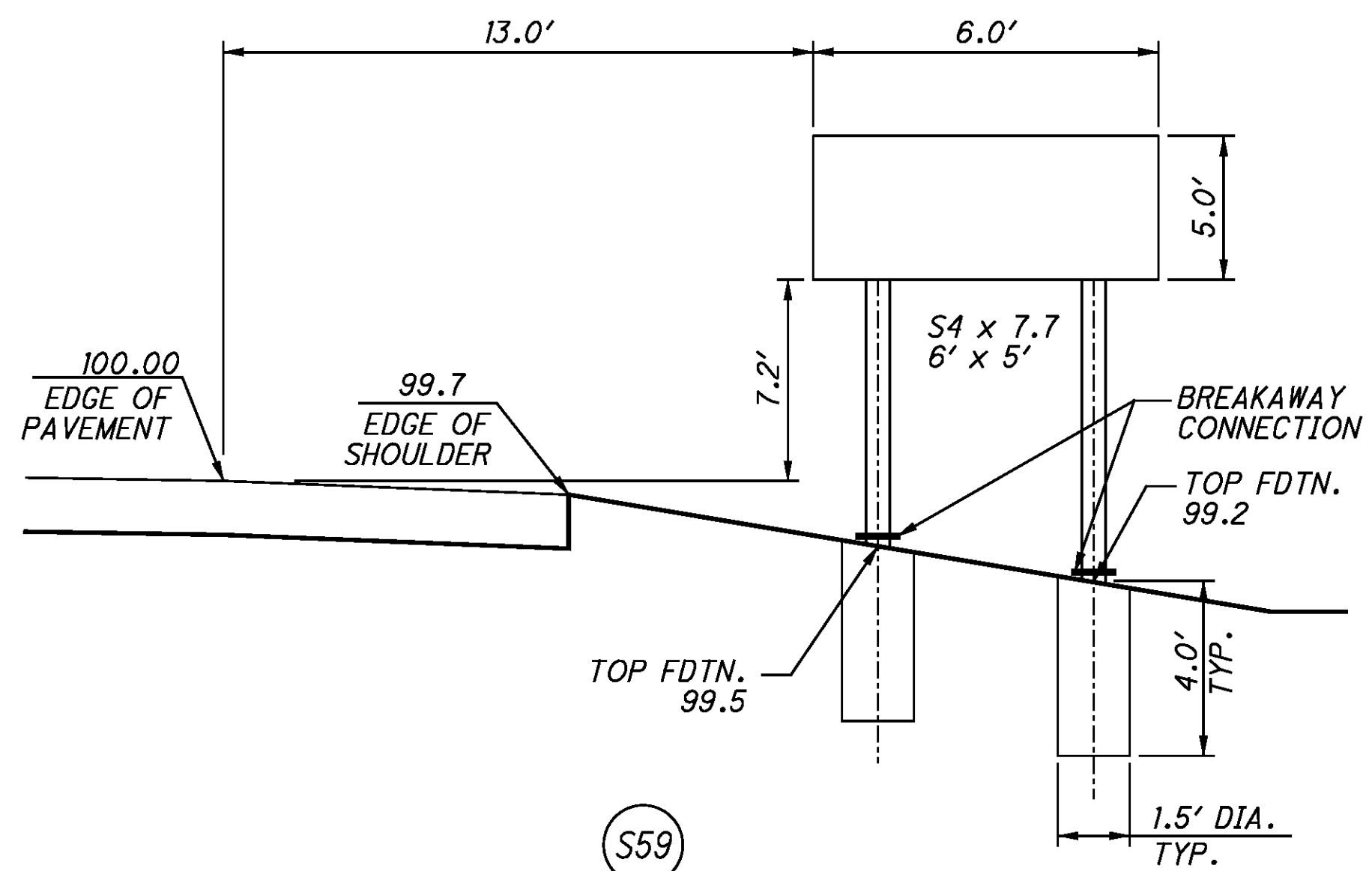
NOTE: OFFSETS ARE MEASURED FROM
EDGE OF PAVEMENT (TYP.).



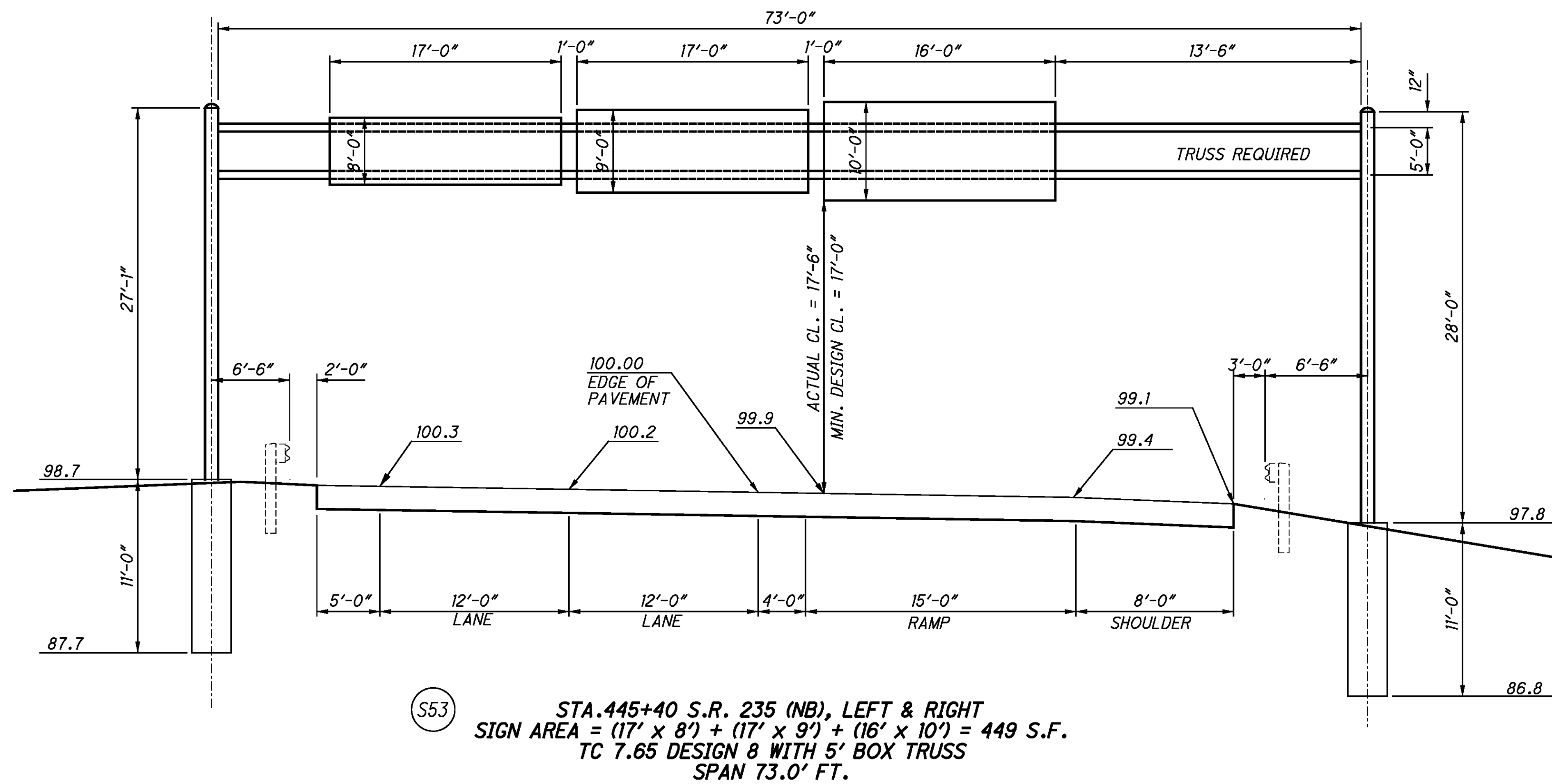
GROUND MOUNTED SIGN
S.R. 235
STA. 459+40, 13.0' RT.



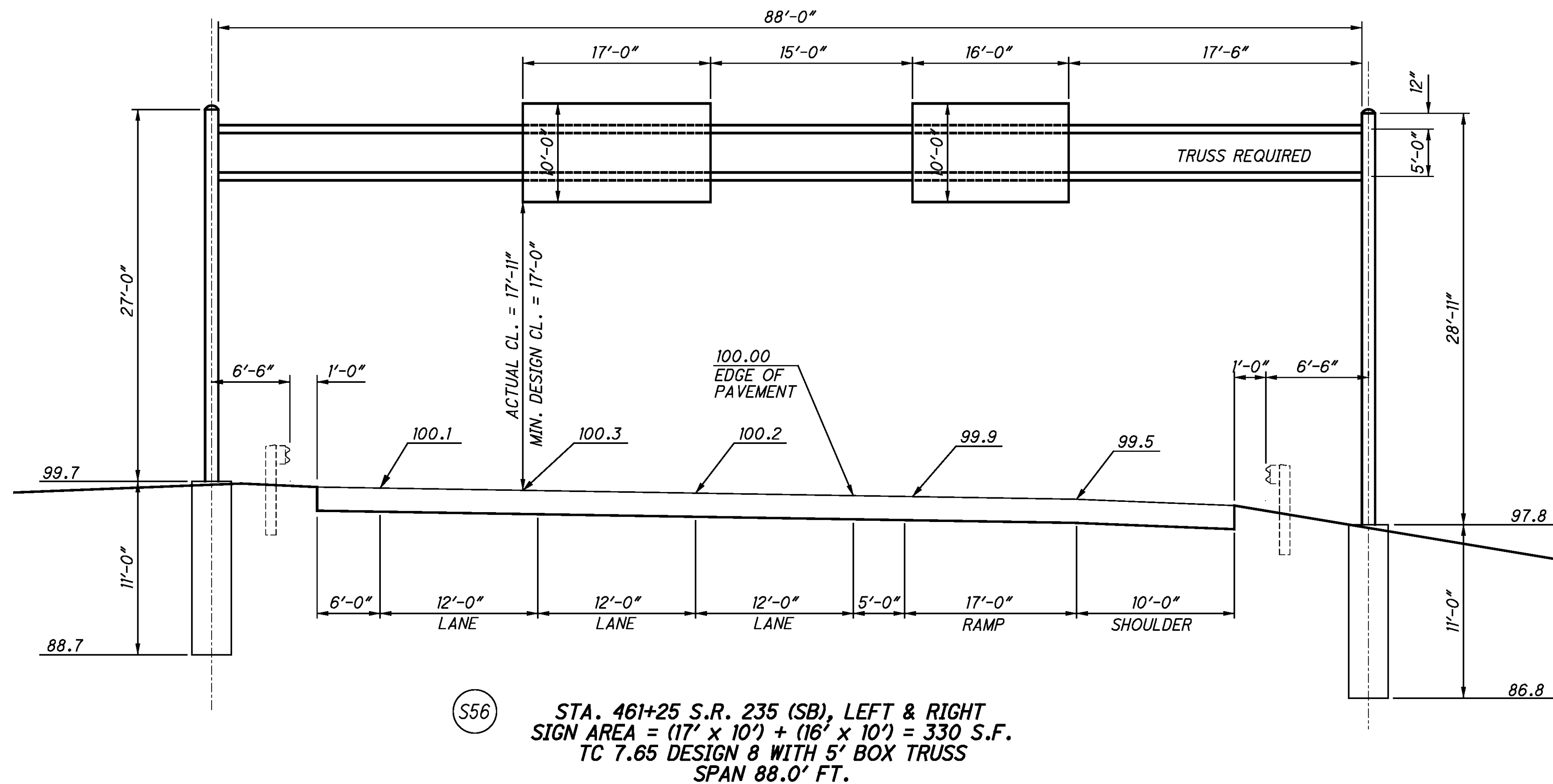
GROUND MOUNTED SIGN
S.R. 235 (NB)
STA. 468+05, 12.5' RT.



GROUND MOUNTED SIGN
S.R. 235 (SB)
STA. 469+30, 13.0' LT.



NOTE: CONTRACTOR TO REMOVE
AND REINSTALL CAMERA
MOUNTED ON POLE.

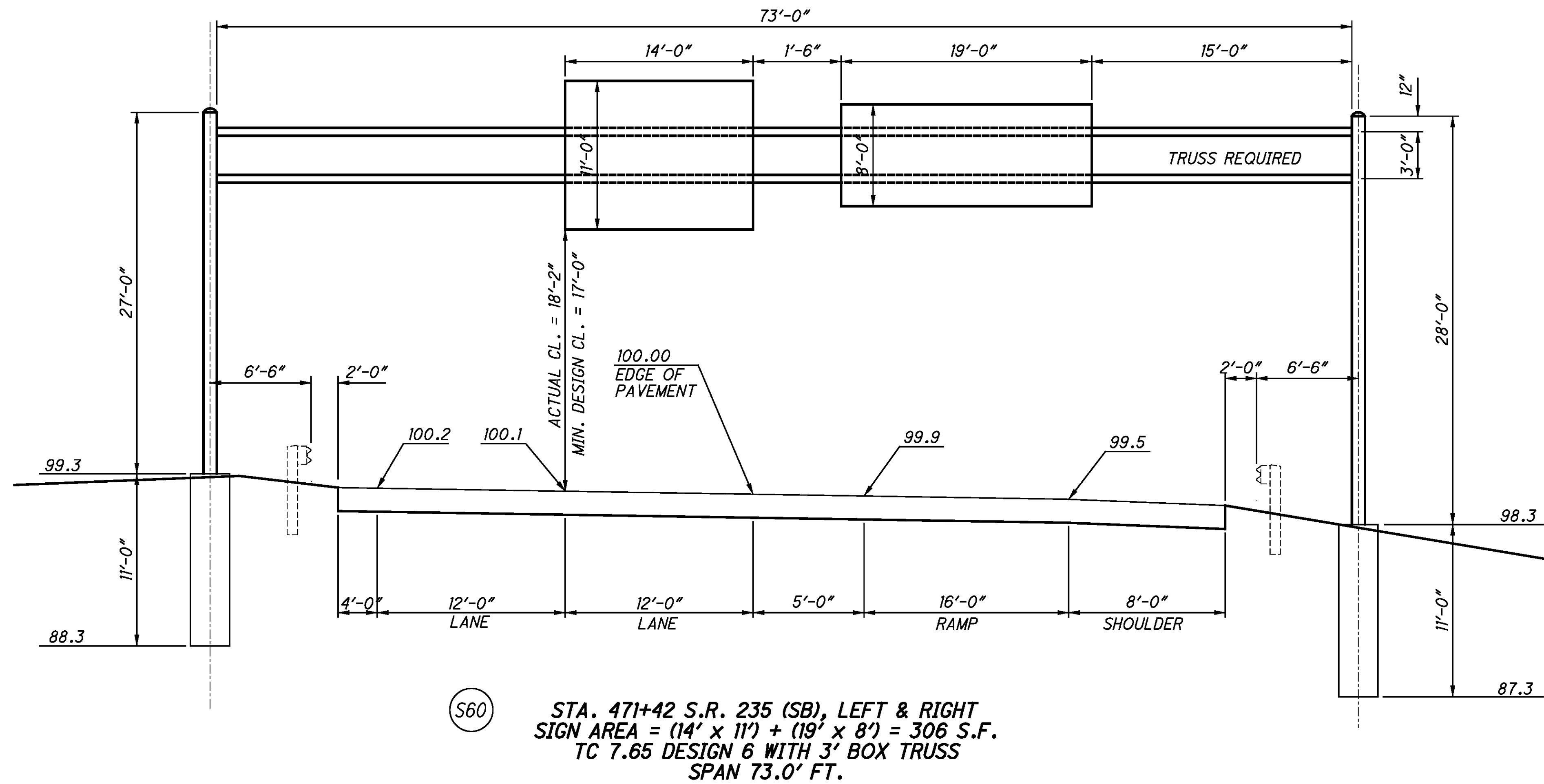
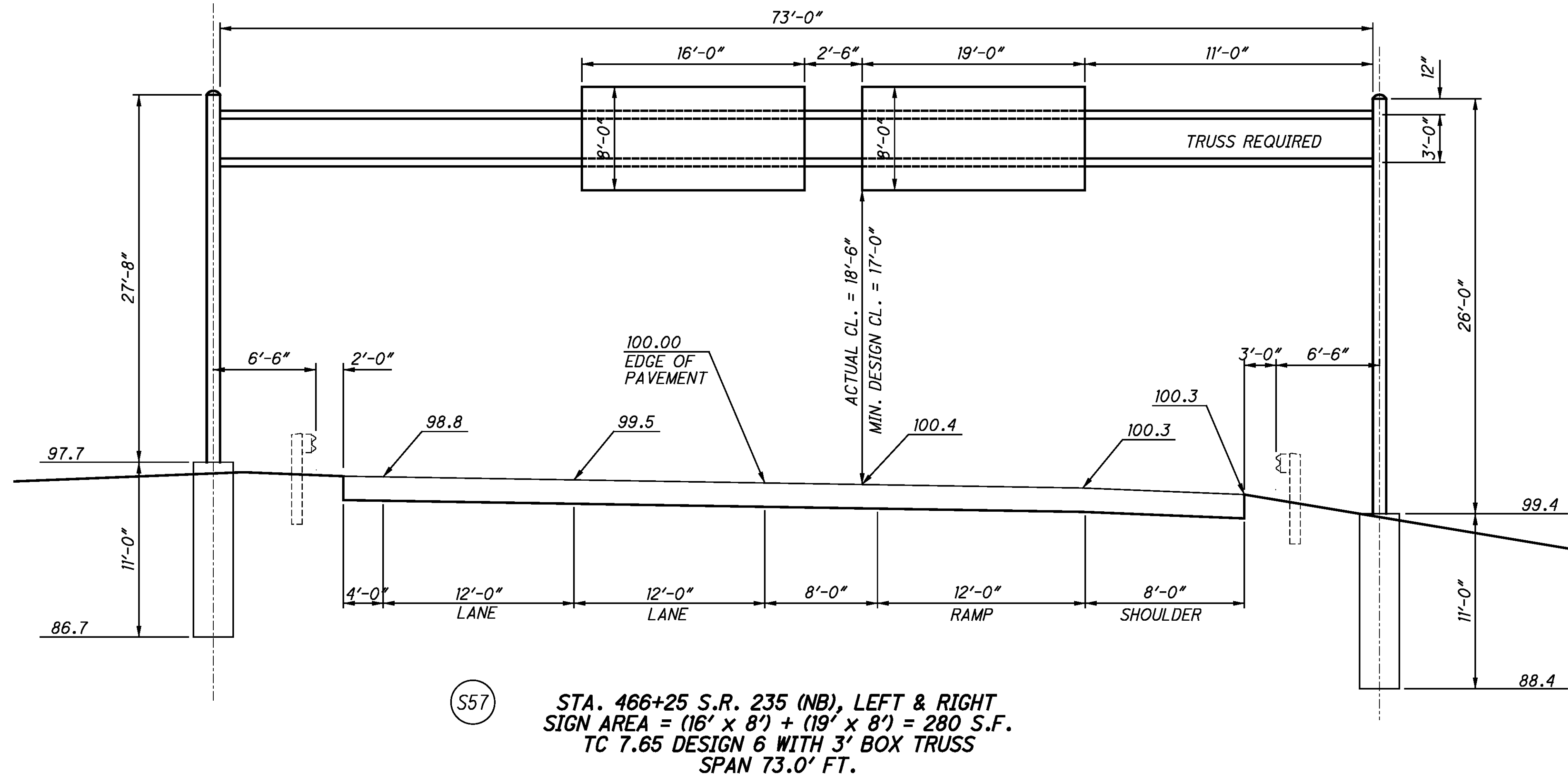


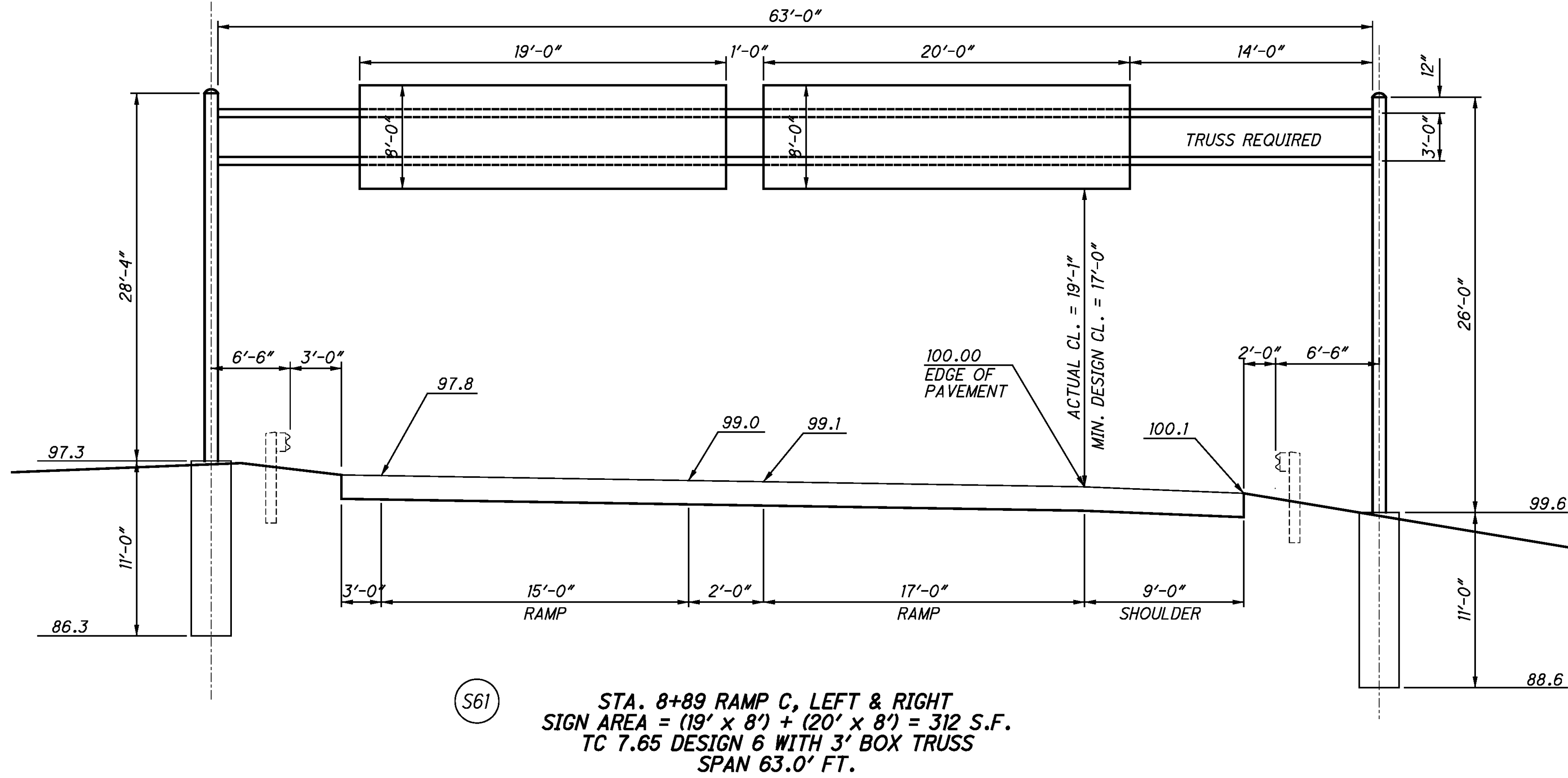
CALCULATED
EGD
CHECKED
CTW

SIGN DETAILS - S.R. 235

MOT / CLA GUIDE
SIGN REPLACEMENT

45
87





[illegible]

REF. NO.	SHEET NO.	STATION	SIDE	CODE	SIZE (INCHES)	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	6
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[illegible]

REF. NO.	SHEET NO.	STATION	SIDE	CODE	SIZE (INCHES)	630	630	630	630	630	630	630	630	630	630																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													</
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REF. NO.	SHEET NO.	STATION	SIDE	CODE	SIZE (INCHES)	630	630	630	630	630	630	630	630	630																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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REF. NO.	SHEET NO.	STATION	SIDE	CODE	SIZE (INCHES)	630	630	630	630	630	630	630	630	630	630																		
						GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4x7.7	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W6x9	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8x18	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10x22	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10x12	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W12x30	BREAKAWAY STRUCTURAL BEAM CONNECTION	SIGN, FLAT SHEET	SIGN, GROUND MOUNTED EXTRUSHEET	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION																		
						FT	FT	FT	FT	FT	FT	EACH	SQ FT	SQ FT	EACH																		
MONTGOMERY COUNTY - IR 675, RAMP "F"																																	
S125	62	250+00	RT	M4-5-24	24 x 12		14.7/15.5					2	2.0		2																		
				M1-5-2-24	24 x 24								4.0																				
				M6-1R-21	21 x 15								2.2																				
				M4-5-24	24 x 12								2.0																				
				M1-5-3-30	30 x 24								5.0																				
				M6-1R-21	21 x 15								2.2																				
				D1-H5A-132	132 x 24									22.0																			
MONTGOMERY COUNTY - IR 675, RAMP "B"																																	
S129	63	278+00	LT	M4-5-24	24 x 12					18.1/18.2		2	2.0		2																		
				M1-5-3-30	30 x 24								5.0																				
				M6-1L-21	21 x 15								2.2																				
				M1-5-2-24	24 x 24								4.0																				
				M6-4-21	21 x 15								2.2																				
				D1-H6A-132	132 x 48									44.0																			
S130	63	277+63	RT	D6-H5-96	72 x 30	15.4/15.8						2		15.0	2																		
MONTGOMERY COUNTY - IR 675, RAMP "G"																																	
S141	66	94+00	RT	D1-H6A-120	120 x 72					23.1/23.8		2		60.0	2																		
				D3-H5-120	120 x 36									30.0																			
MONTGOMERY COUNTY - IR 675, RAMP "A"																																	
S141A	66	108+90	RT	D1-H6A-120	120 x 72					23.3/23.8		2		60.0	2																		
				D3-H5-120	120 x 36									30.0																			
TOTALS THIS SHEET						31.2	30.2			130.3		10	32.8	261.0	10																		
TOTALS FROM SHEET 52						295.9	177.3	47.6	50.0	124.9	124.0	34	9.2	1516.0	42																		
TOTALS FROM SHEET 53						230.9	142.6			335.9		24		783.0	38																		
TOTALS CARRIED TO GENERAL SUMMARY						558.0	350.1	47.6	50.0	591.1	124.0	68	42.0	2560.0	90																		

CALCULATED
EGD
CHECKED
CTW

MOT/CLA - GUIDE SIGN
REPLACEMENT

54
87

GROUND MOUNTED SIGNING SUBSUMMARY - I.R. 675

REF. NO.	SHEET NO.	STATION	SIDE	CODE	SIZE (INCHES)	606	606	606	606	625	630	630	630	630	630	630	630														
						GUARDRAIL, TYPE 5	GUARDRAIL, TYPE 5A	ANCHOR ASSEMBLY, TYPE E	ANCHOR ASSEMBLY, TYPE T	GROUND ROD	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 6	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 8	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 10	OVERHEAD SIGN SUPPORT, TYPE TC-7.65, DESIGN 6	OVERHEAD SIGN SUPPORT, TYPE TC-7.65, DESIGN 8	SIGN ATTACHMENT ASSEMBLY	SIGN, OVERHEAD EXTRUSHEET, AS PER PLAN	RIGID OVERHEAD SIGN SUPPORT FOUNDATION													
						FEET	FEET	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SQ FT	EACH													
MONTGOMERY COUNTY - IR 675, RAMP "V"																															
S101	57	48+25	RT	E1-H5-72	72 x 24					1			1				12.0	1													
				E1-H1-180	180 x 144												180.0														
MONTGOMERY COUNTY - IR 675, RAMP "U"																															
S102	57	51+00	RT	E1-H5-72	72 x 24					1			1				12.0	1													
				E1-H1-180	180 x 144												180.0														
MONTGOMERY COUNTY - IR 675																															
S103	57	59+55	LT	E1-H1-204	204 x 120					1				1			170.0	2													
				E1-H3-180	180 x 96												120.0														
S106	58	87+00	LT	E1-H1-144	144 x 108	300.0		1		1		1					108.0	1													
S109	58	113+00	LT	E1-H1-168	168 x 144	225.0		1	1	1		1					168.0	1													
S116	60	153+23	LT	E1-H1-168	168 x 144					1					1		168.0	2													
				E1-H5-72	72 x 24												12.0														
				E1-H3-228	228 x 120												190.0														
S121	61	200+00	RT	E1-H5-120	120 x 24					1		1					20.0	1													
				E1-H1-180	180 x 144												180.0														
S122	61	202+00	LT	E1-H5-72	72 x 24					1		1					12.0	1													
				E1-H1-180	180 x 144												180.0														
S122A	61	212+00	RT	E1-H5-84	84 x 24	237.5		1	1	1		1					14.0	1													
				E1-H1-180	180 x 108												135.0														
S123	61	241+45	RT	E1-H5-84	84 x 24					1				1			14.0	2													
				E1-H1-156	156 x 108												117.0														
				E1-H5-84	84 x 24												14.0														
				E1-H3-216	216 x 96												144.0														
S126	62	261+45	RT	E1-H5-84	84 x 24												14.0														
				E1-H3-192	192 x 96										3		128.0														
S132	63	284+25	LT	E1-H5-72	72 x 24												12.0														
				E1-H3-216	216 x 120										3		180.0														
S133	64	307+00	LT	E1-H5-72	72 x 24					1		1					12.0	1													
				E1-H1-180	180 x 144												180.0														
S134	64	335+00	LT	E1-H5-72	72 x 24					1		1					12.0	1													
				E1-H1-180	180 x 144												180.0														
S135	65	342+00	RT	E1-H5-72	72 x 24					1		1					12.0	1													
				E1-H1-264	264 x 120												220.0														
S137	65	370+00	RT	E1-H5-72	72 x 24					1		1					12.0	1													
				E1-H1-264	264 x 120												220.0														
S139	66	82+98	RT	E1-H5-72	72 x 24												12.0														
				E1-H3-276	276 x 96											4	184.0														
S141B	66A	117+00	RT	E1-H5-72	72 x 24												12.0														
				E1-H3-276	276 x 96											4	184.0														
SUBTOTALS CARRIED TO SHEET 56						762.5		3	2	14		2	9	1	2	14	3,724.0	17													

CALCULATED
EGD
CHECKED
CTW

OVERHEAD SIGNING SUBSUMMARY - I.R. 675

MOT/CLA - GUIDE SIGN
REPLACEMENT

55
87

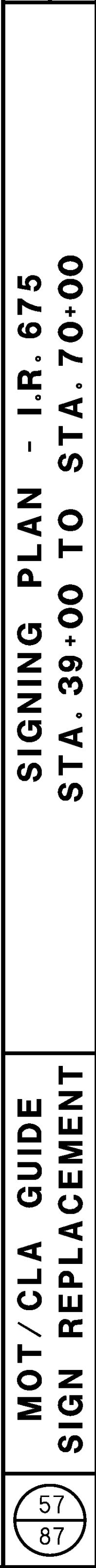
REF. NO.	SHEET NO.	STATION	SIDE	CODE	SIZE (INCHES)	606	606	606	606	625	630	630	630	630	630	630	630																
						GUARDRAIL, TYPE 5	GUARDRAIL, TYPE 5A	ANCHOR ASSEMBLY, TYPE E	ANCHOR ASSEMBLY, TYPE T	GROUND ROD	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 6	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 8	OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 10	OVERHEAD SIGN SUPPORT, TYPE TC-7.65, DESIGN 6	OVERHEAD SIGN SUPPORT, TYPE TC-7.65, DESIGN 8	SIGN ATTACHMENT ASSEMBLY	SIGN, OVERHEAD EXTRUSHEET, AS PER PLAN	RIGID OVERHEAD SIGN SUPPORT FOUNDATION															
						FEET	FEET	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	SQ FT	EACH															
MONTGOMERY COUNTY - IR 675																																	
S141C	66B	141+00	RT	E1-H5-72	72 x 24											12.0																	
				E1-H1-264	264 x 120										4	220.0																	
S141D	66B	168+00	RT	E1-H5-72	72 x 24											12.0																	
				E1-H1-264	264 x 120										4	220.0																	
MONTGOMERY COUNTY - SR 725																																	
S144	67	846+04	RT	E1-H1-120	120 x 84										2	70.0																	
				E1-H1-120	120 x 84										2	70.0																	
S145	67	852+04	RT	E1-H1-144	144 x 60										2	60.0																	
MONTGOMERY COUNTY - YANKEE ST.																																	
S155	68	47+92	RT	E1-H1-108	108 x 84		75.0									63.0																	
				E1-H1-108	108 x 84											63.0																	
MONTGOMERY COUNTY - ALEXANDERSVILLE BELLBROOK RD.																																	
S160	69	16+50	RT	E1-H1-120	120 x 84					1	1					70.0	1																
				E1-H1-120	120 x 84											70.0																	
S164	69	32+00	LT	E1-H1-120	120 x 72					1		1				60.0	1																
MONTGOMERY COUNTY - SR 725 & SR 48																																	
S167	70	228+35	LT	E1-H1-108	108 x 84											63.0																	
S169	70	229+20	RT	E1-H1-108	108 x 84										2	63.0																	
S170	70	233+10	RT	E1-H1-108	108 x 84										2	63.0																	
S171	70	238+75	LT	E1-H1-132	132 x 60										2	55.0																	
S172	70	241+70	LT	E1-H1-144	144 x 60					1		1				60.0	1																
TOTALS THIS SHEET							75.0			3	1	2			20	1,294.0	3																
TOTALS FROM SHEET 55						762.5		3	2	14		2	9	1	2	14	3,724.0	17															
SUBTOTALS CARRIED TO GENERAL SUMMARY						762.5	75.0	3	2	17	1	4	9	1	2	34	5,018.0	20															

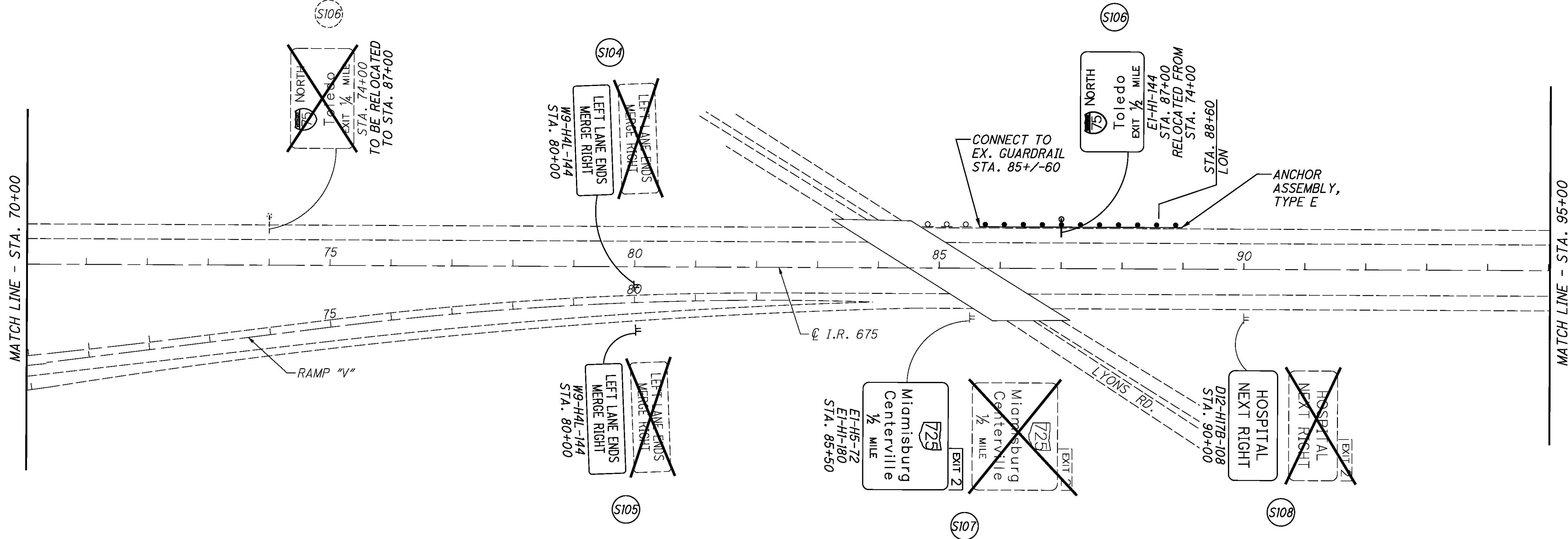
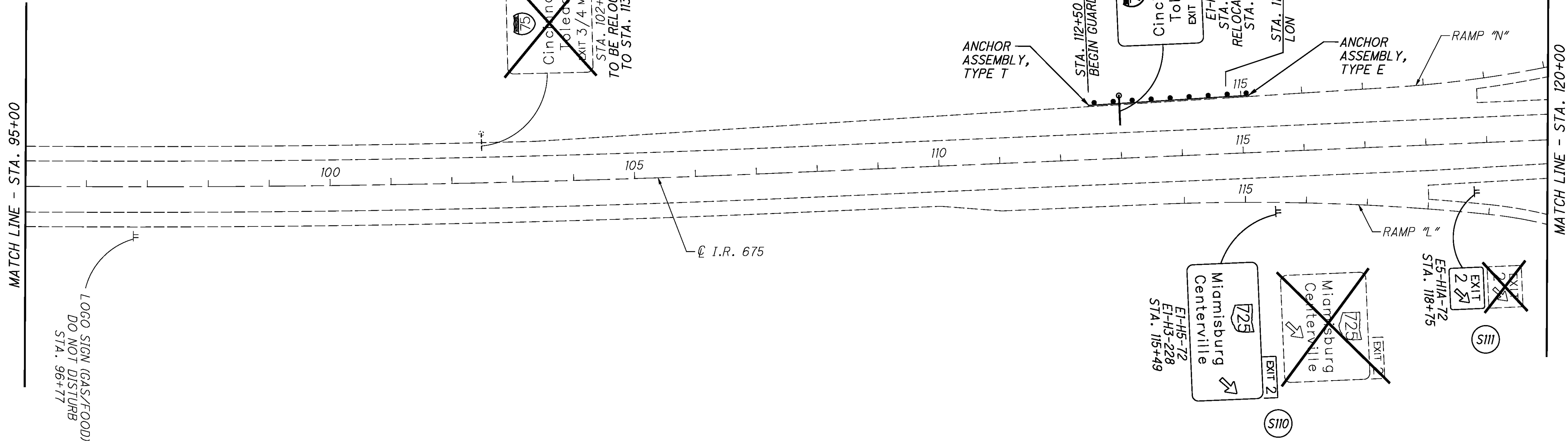
CALCULATED
EGD
CREATED
CTW

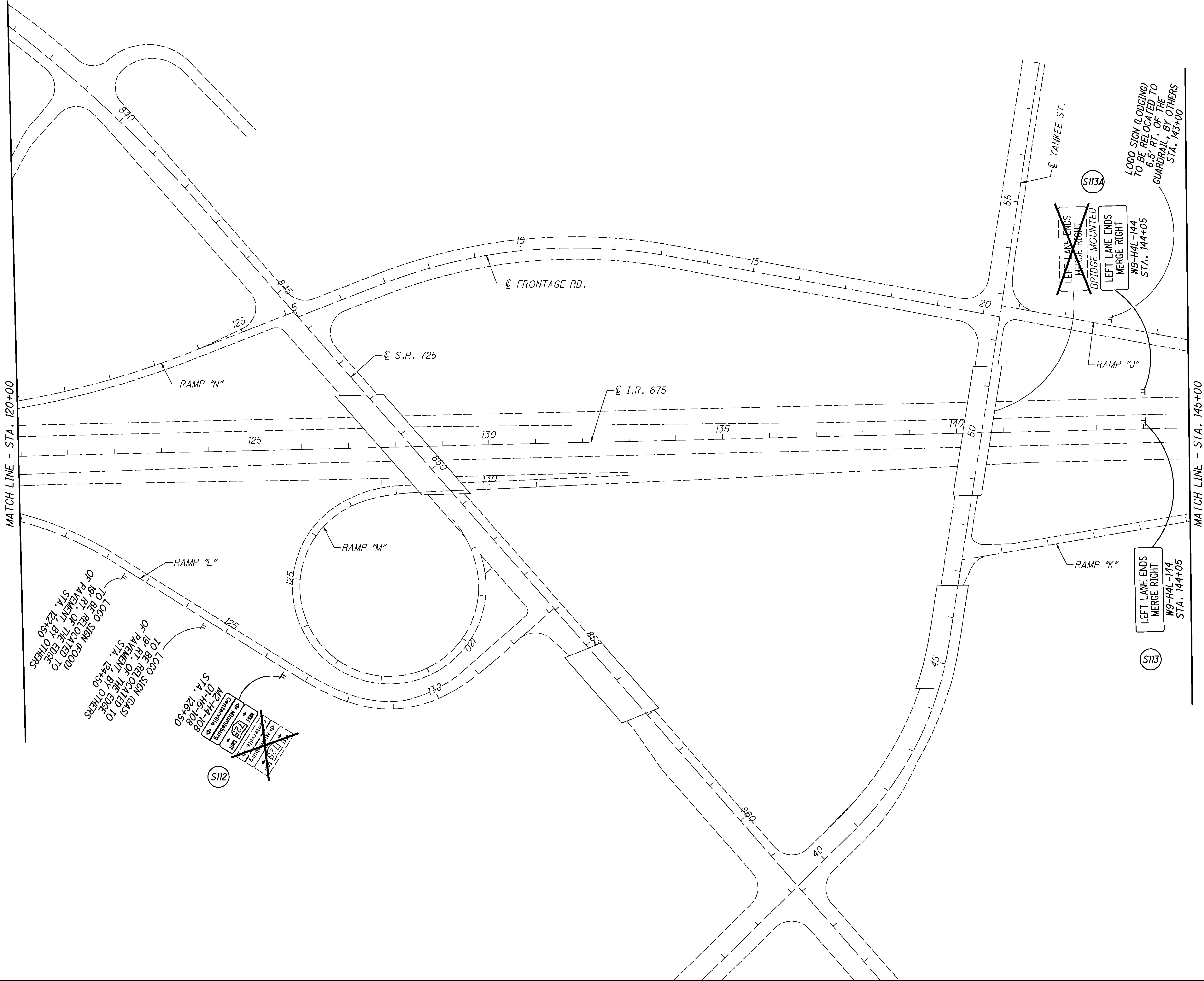
MOT/CLA - GUIDE SIGN
REPLACEMENT

56
87

OVERHEAD SIGNING SUBSUMMARY - I.R. 675







MATCH LINE - STA. 170+00

LOGO SIGN (FOOD)
TO BE RELOCATED TO
30' LT. OF THE EDGE OF
PAVEMENT, BY OTHERS
STA. 171+75

MCEWEN RD.

~~EXIT 2~~
~~HOSPITAL
NEXT RIGHT~~
HOSPITAL
NEXT RIGHT
D12-H17B-108
STA. 180+00

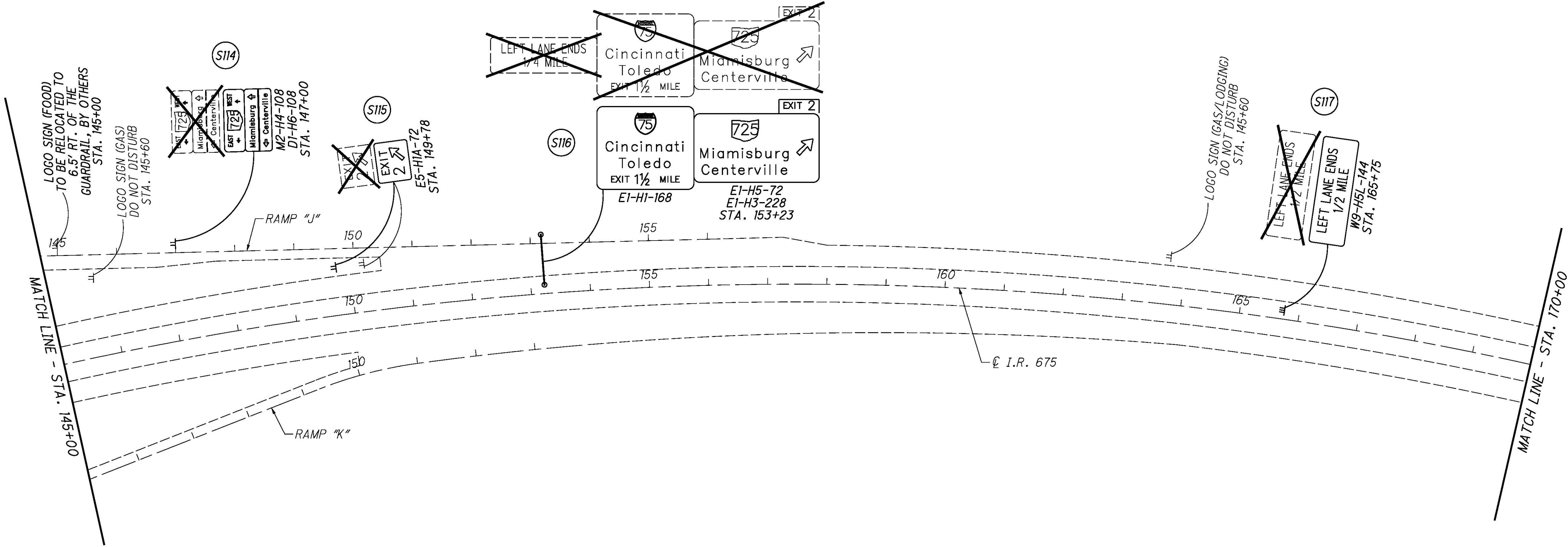
℄ I.R. 675

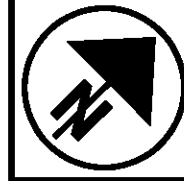
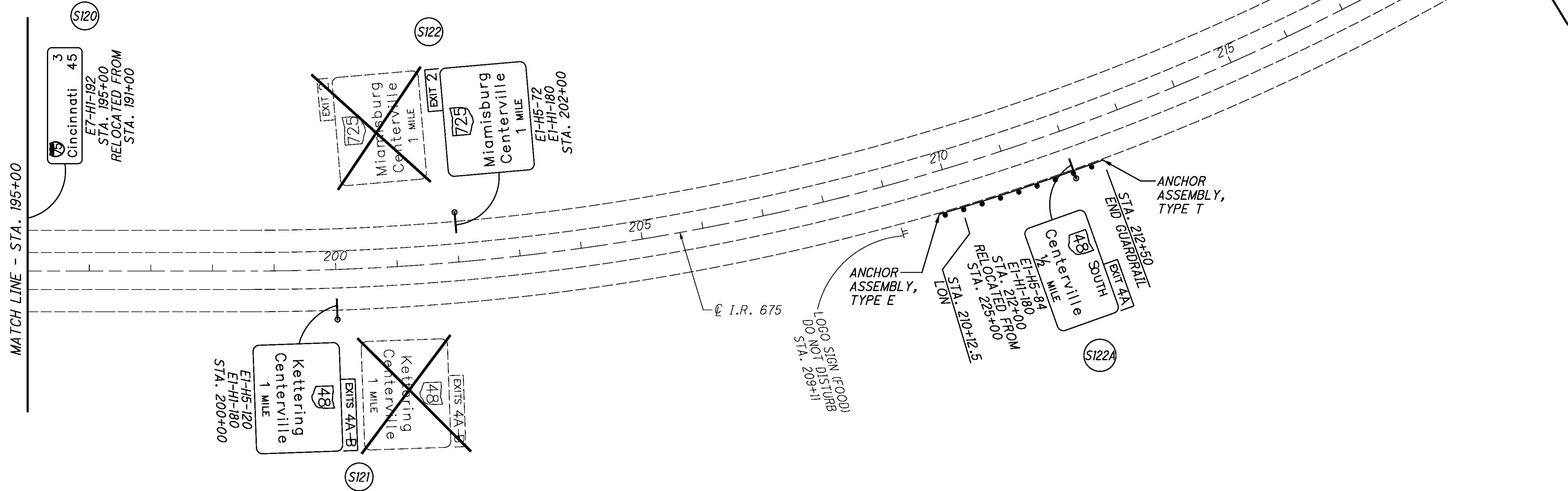
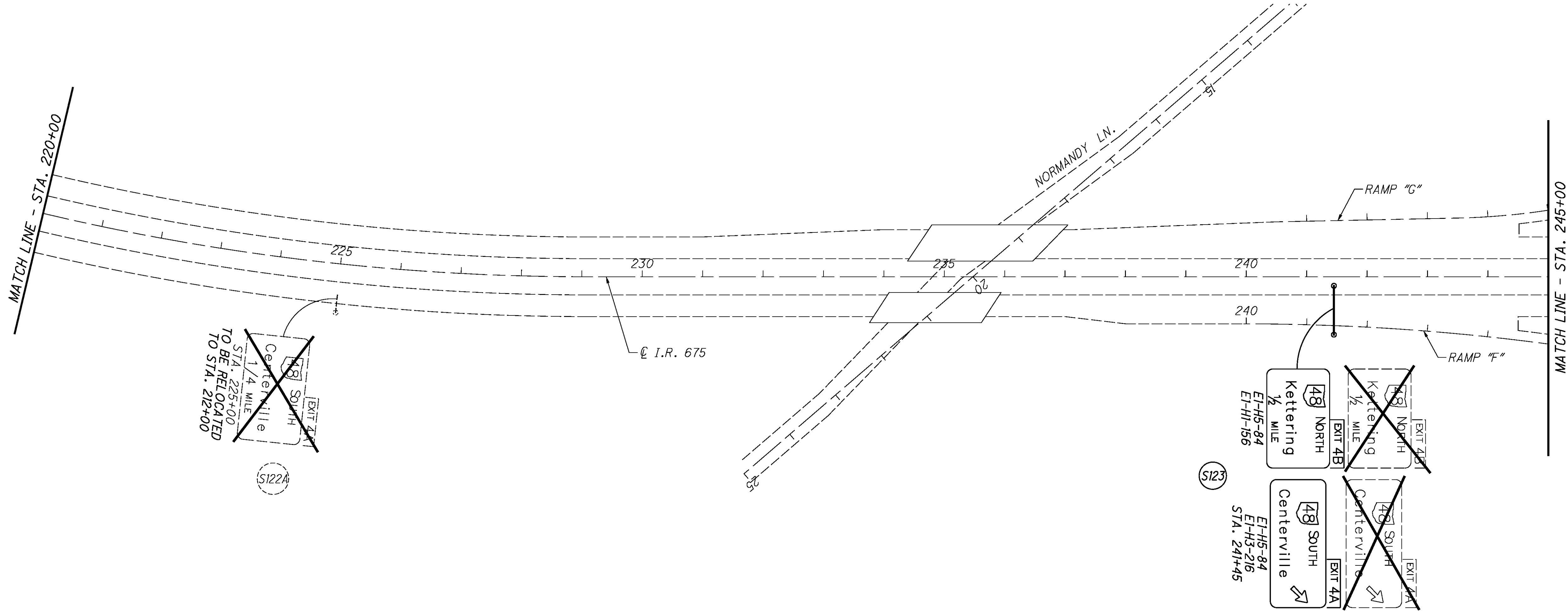
~~EXIT 2~~
~~725~~
~~Miamisburg
Centerville
1/2 MILE~~

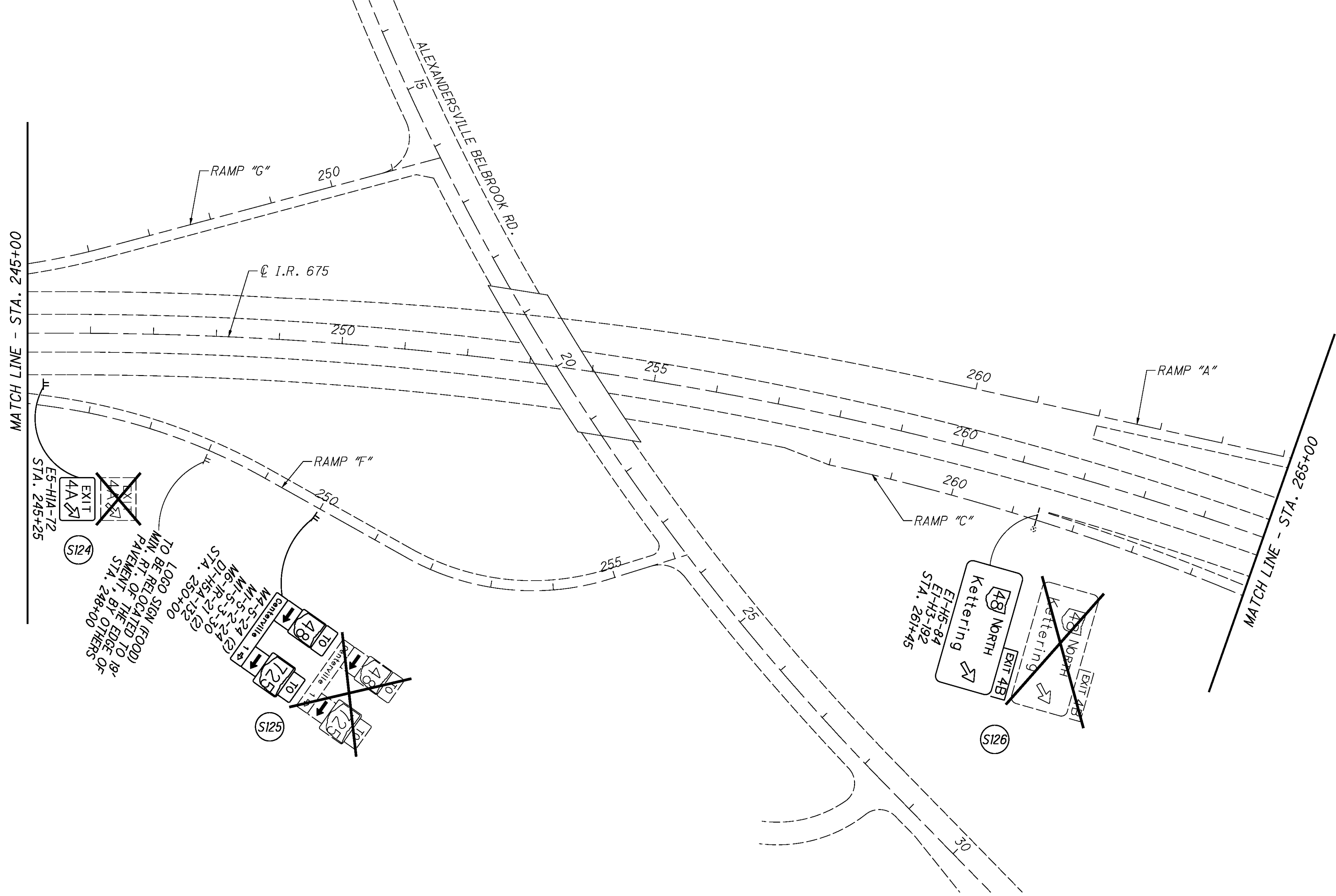
EXIT 2
725
Miamisburg
Centerville
1/2 MILE
E1-H5-72
E1-H1-180
STA. 188+00

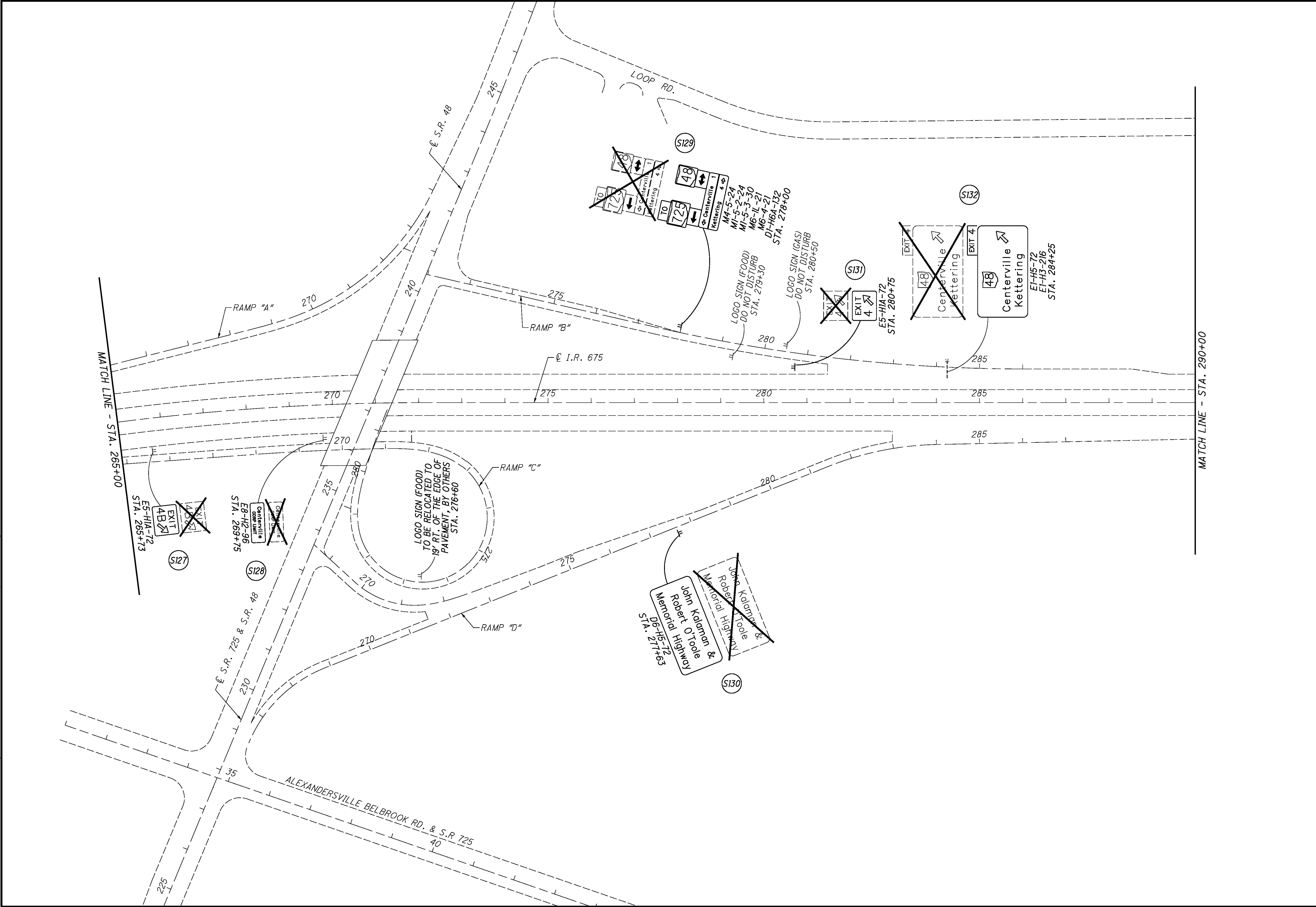
~~EXIT 2~~
~~725~~
~~3
45
Cincinnati
1/2 MILE~~
TO BE RELOCATED
TO STA. 195+00

MATCH LINE - STA. 195+00









MATCH LINE - STA. 315+00

LOGO SIGN (FOOD)
DO NOT DISTURB
STA. 318+33

320

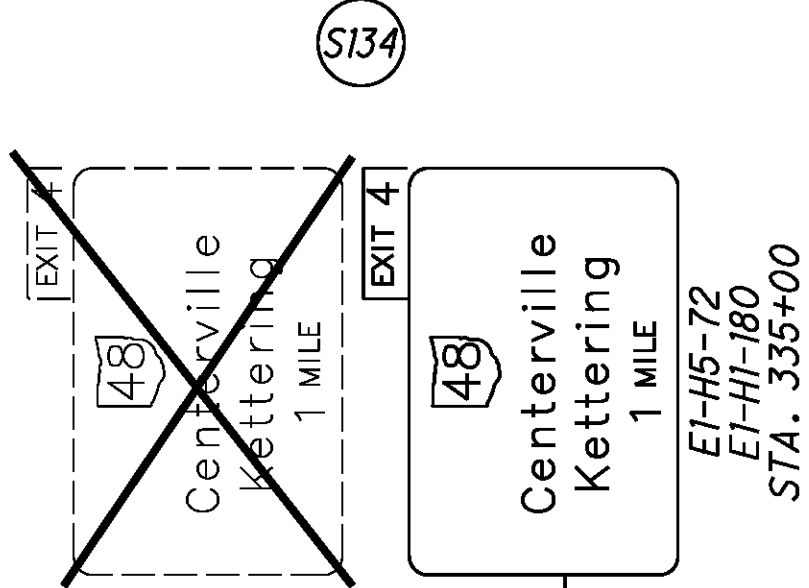
325

℄ I.R. 675

330

335

MATCH LINE - STA. 340+00



MATCH LINE - STA. 315+00

295

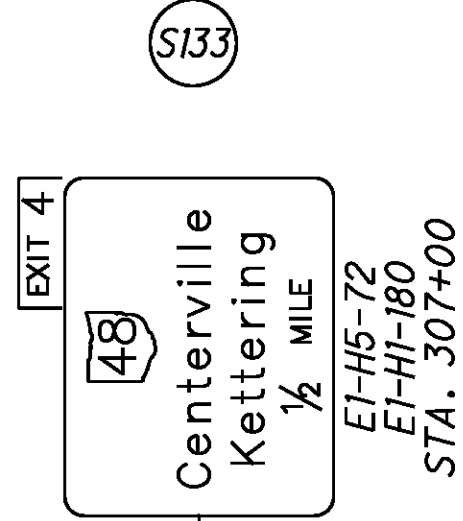
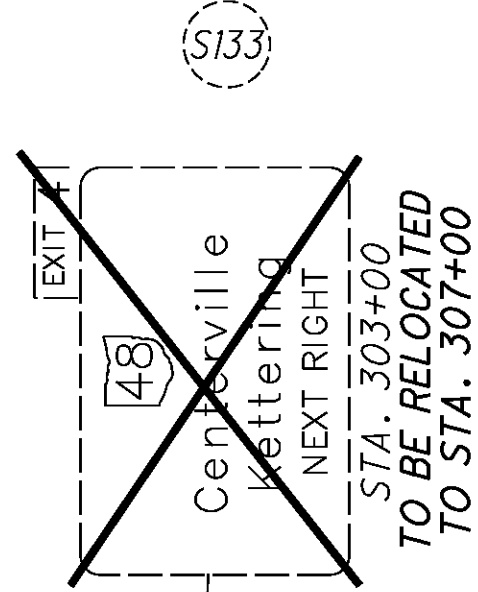
300

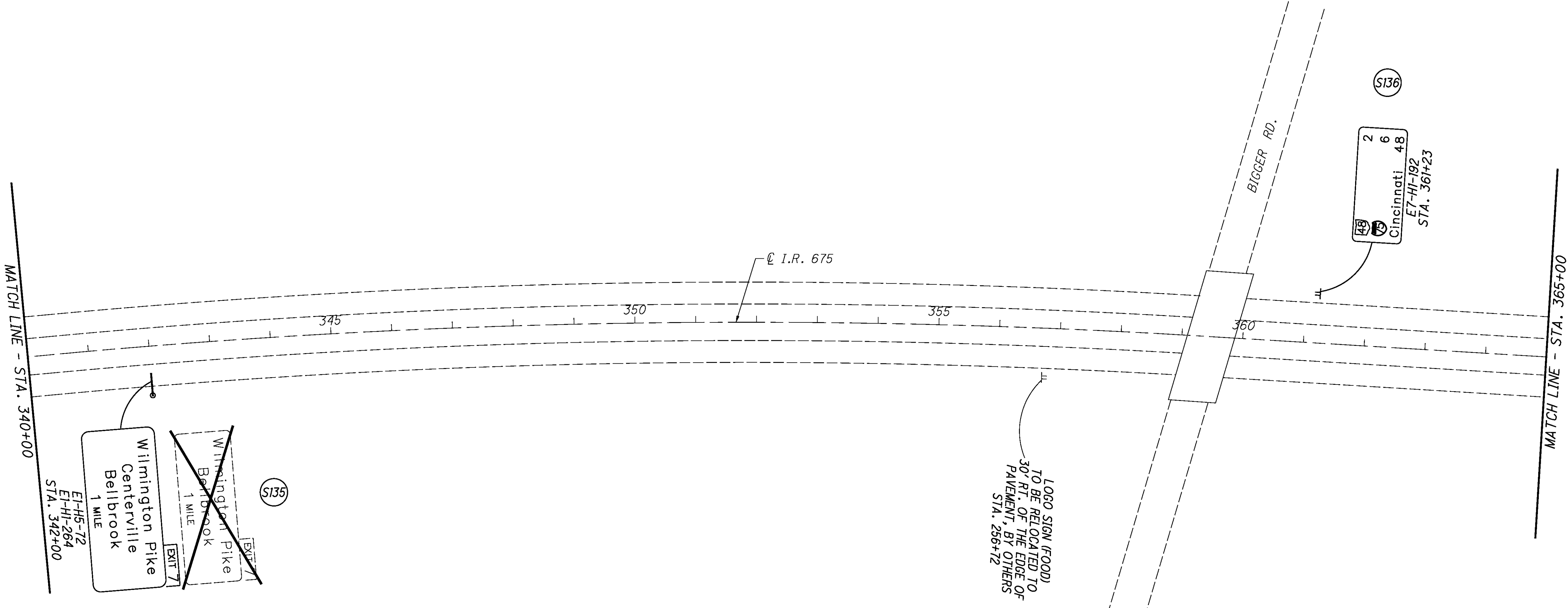
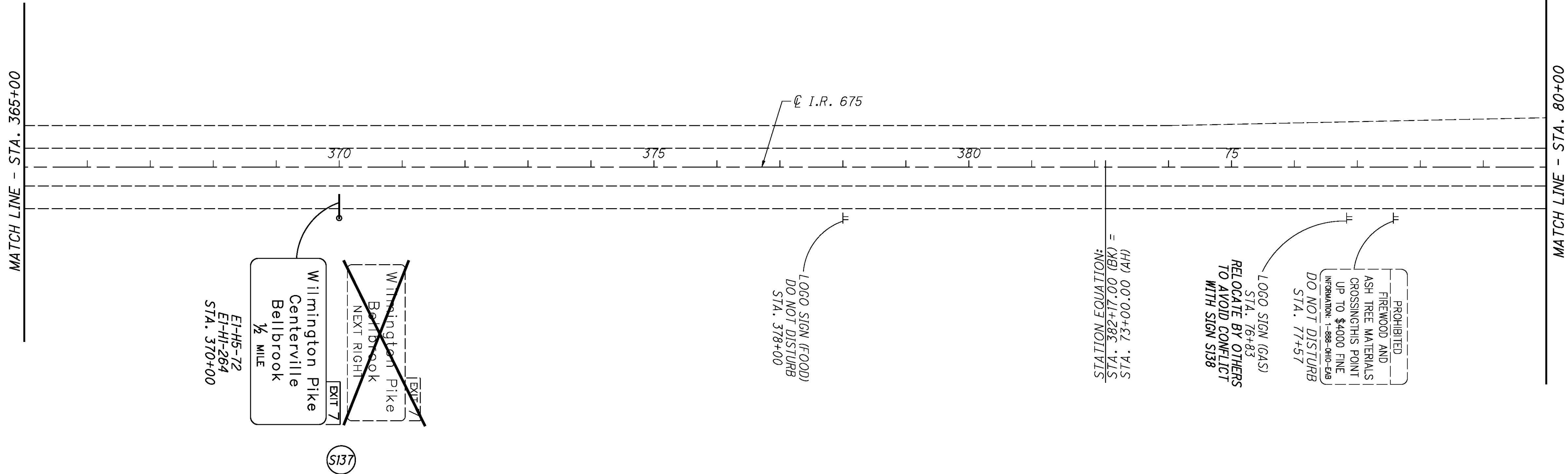
℄ I.R. 675

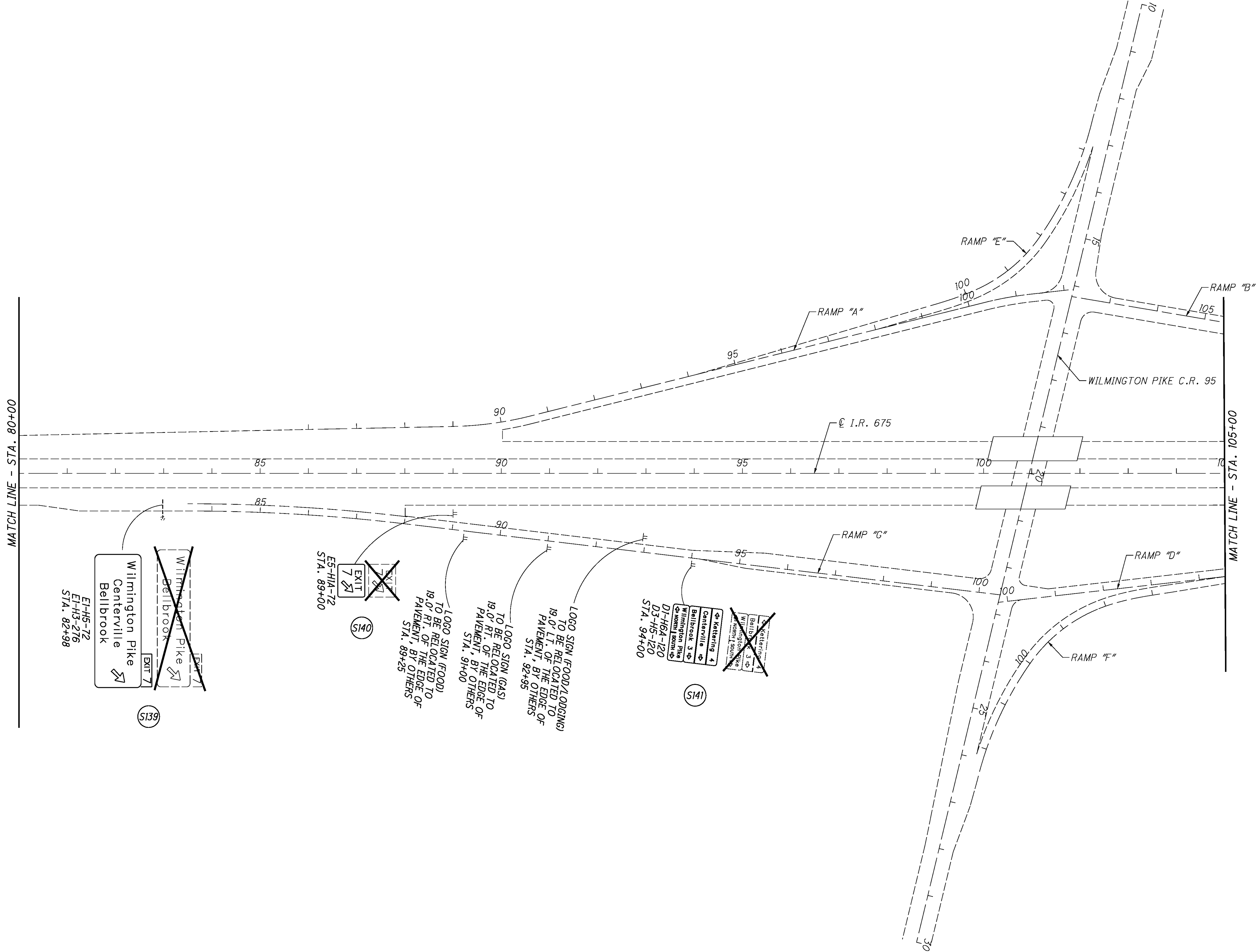
305

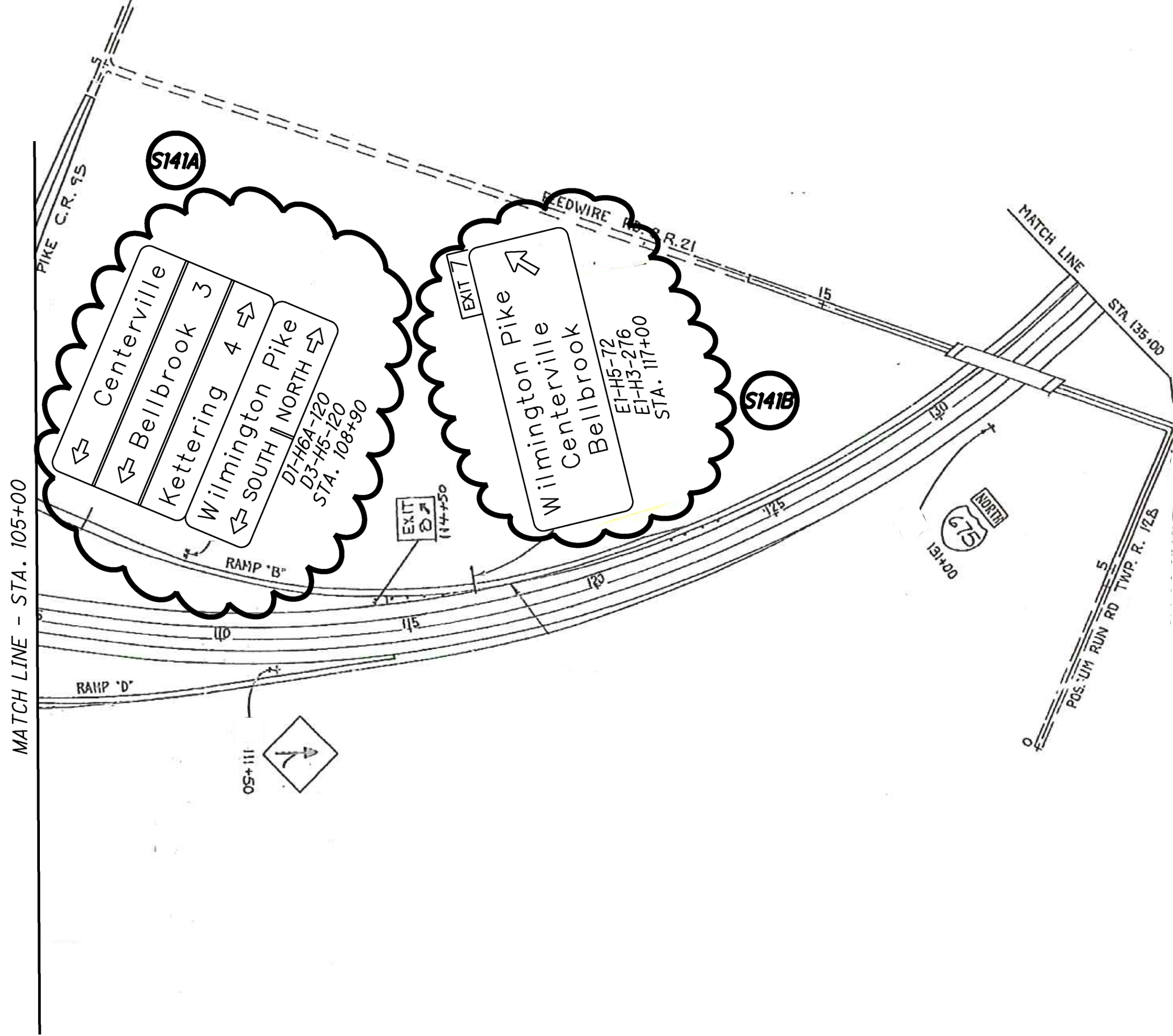
310

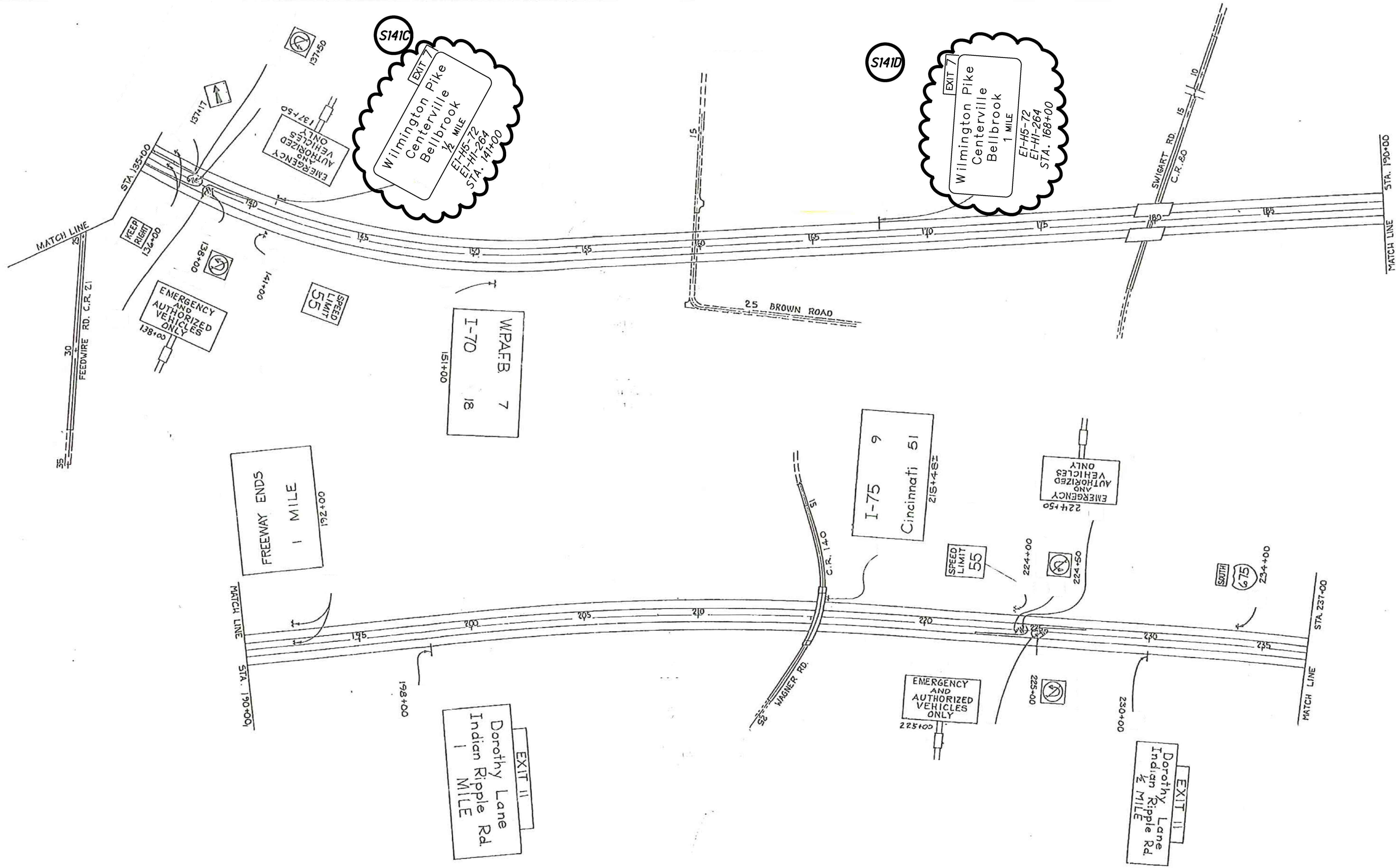
MATCH LINE - STA. 315+00



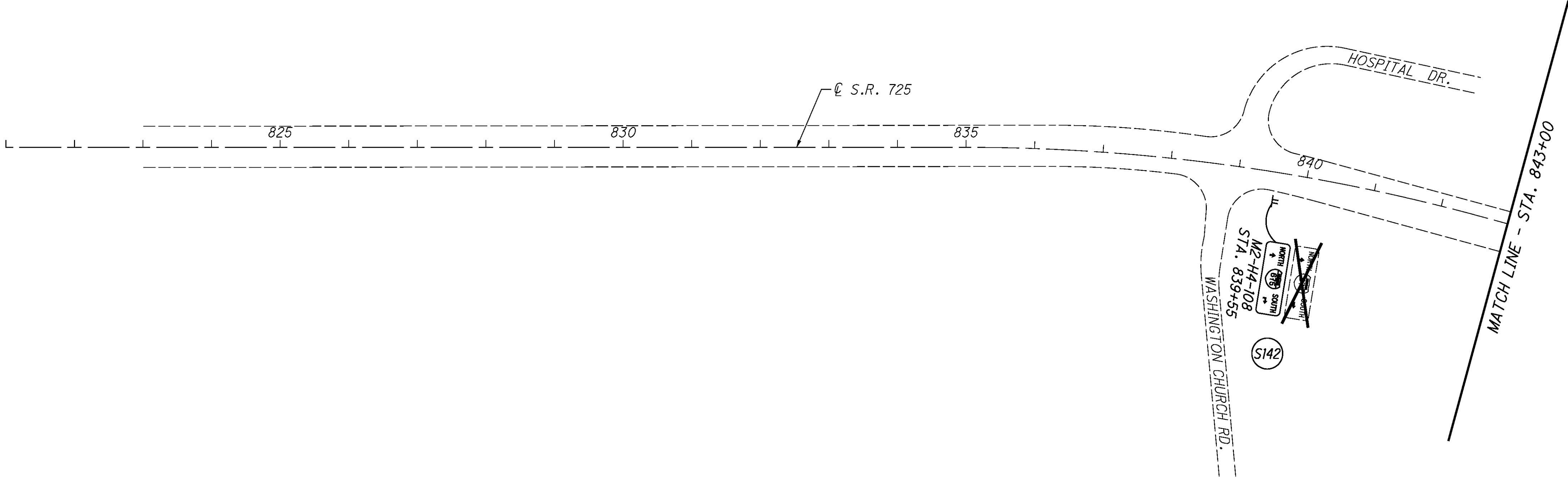
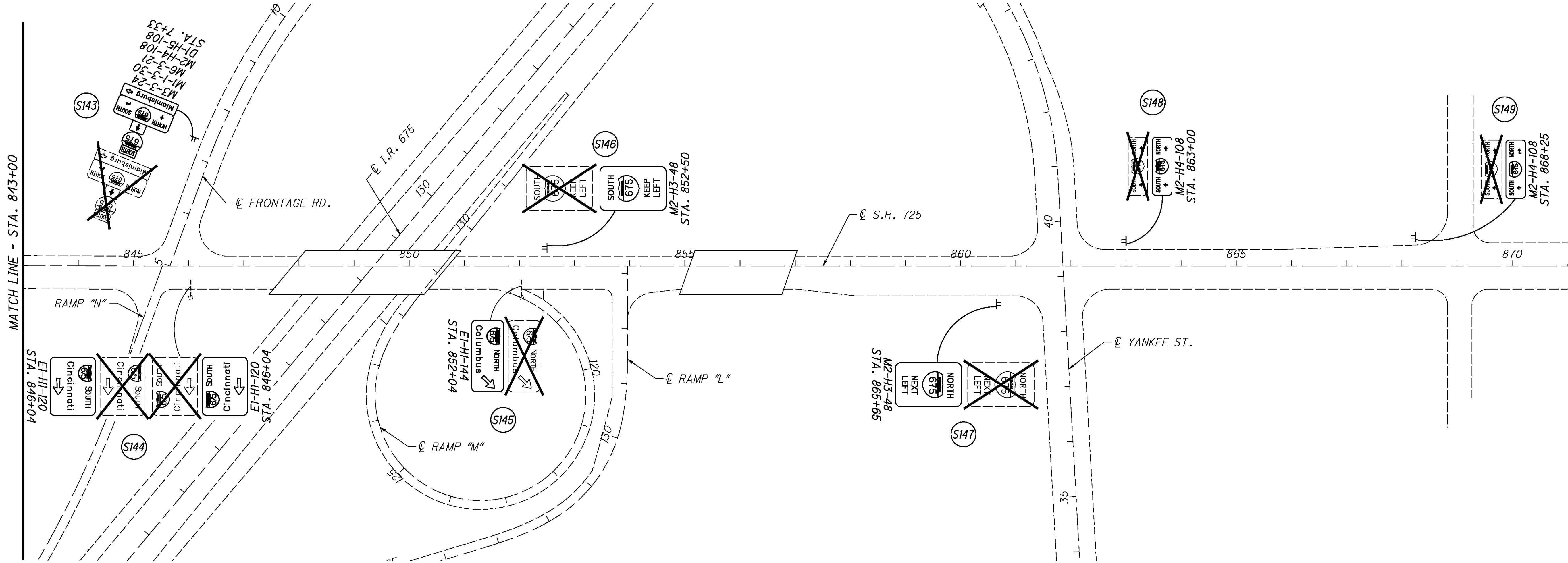


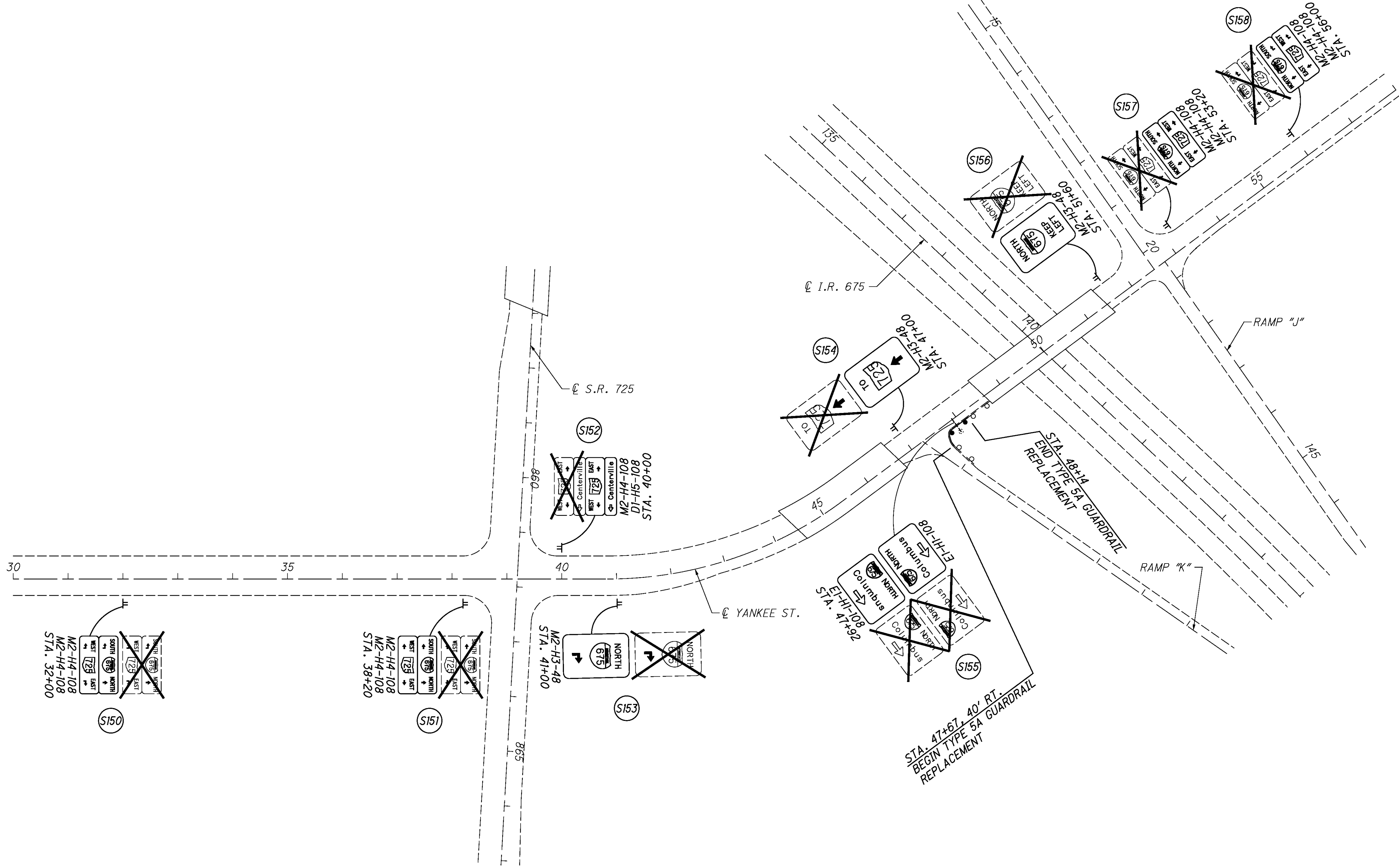


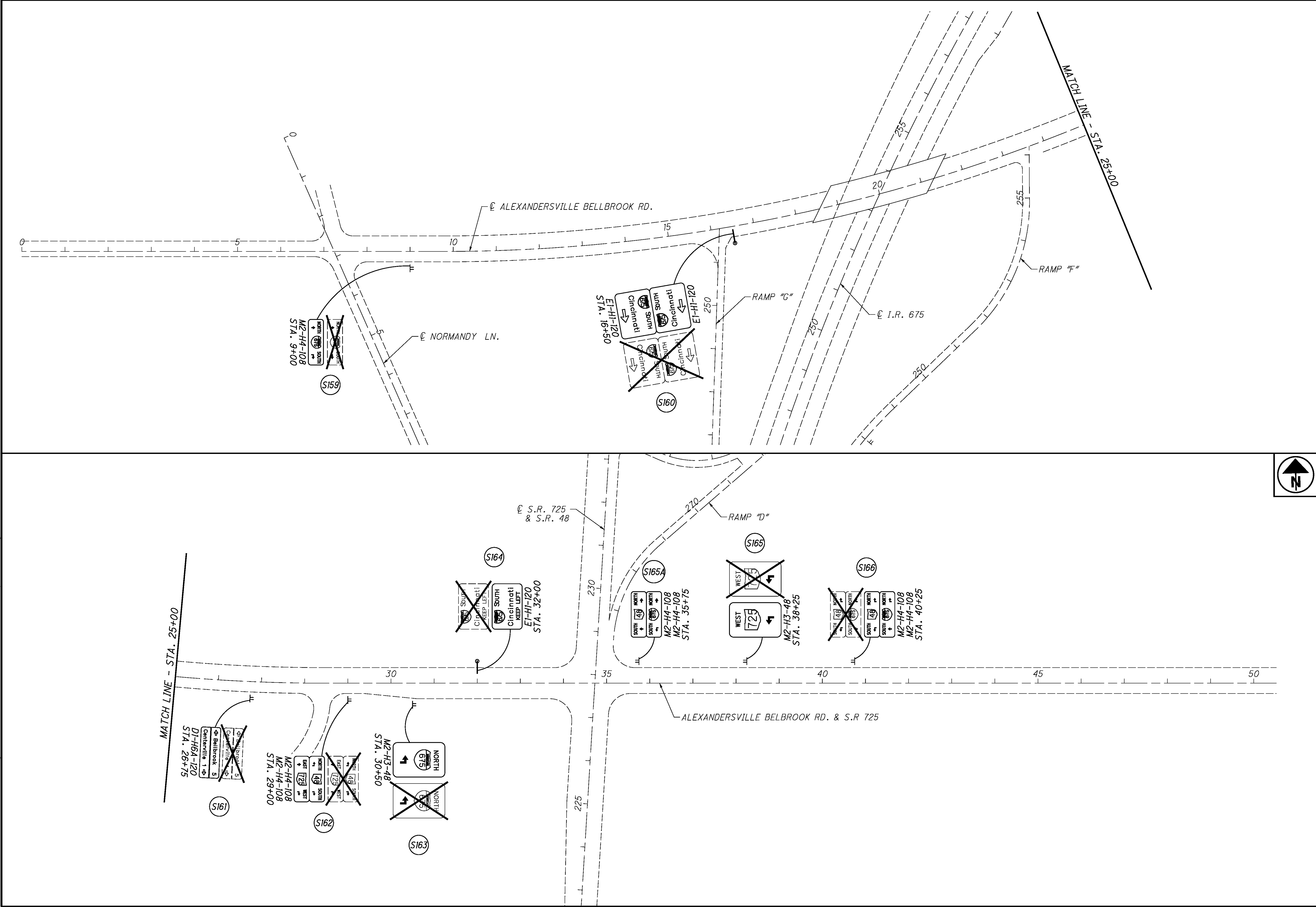


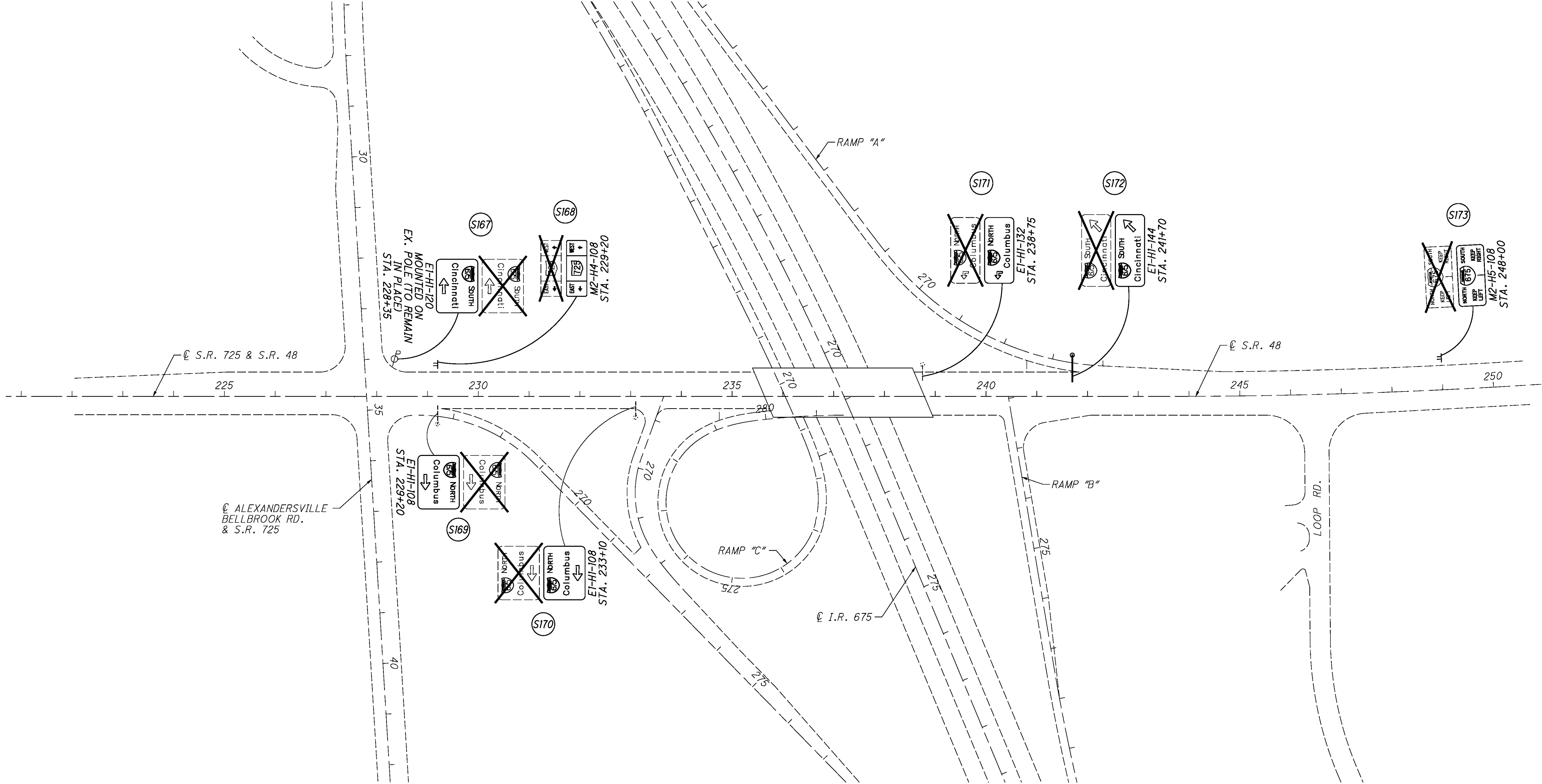


** INTERIM OVERLAY

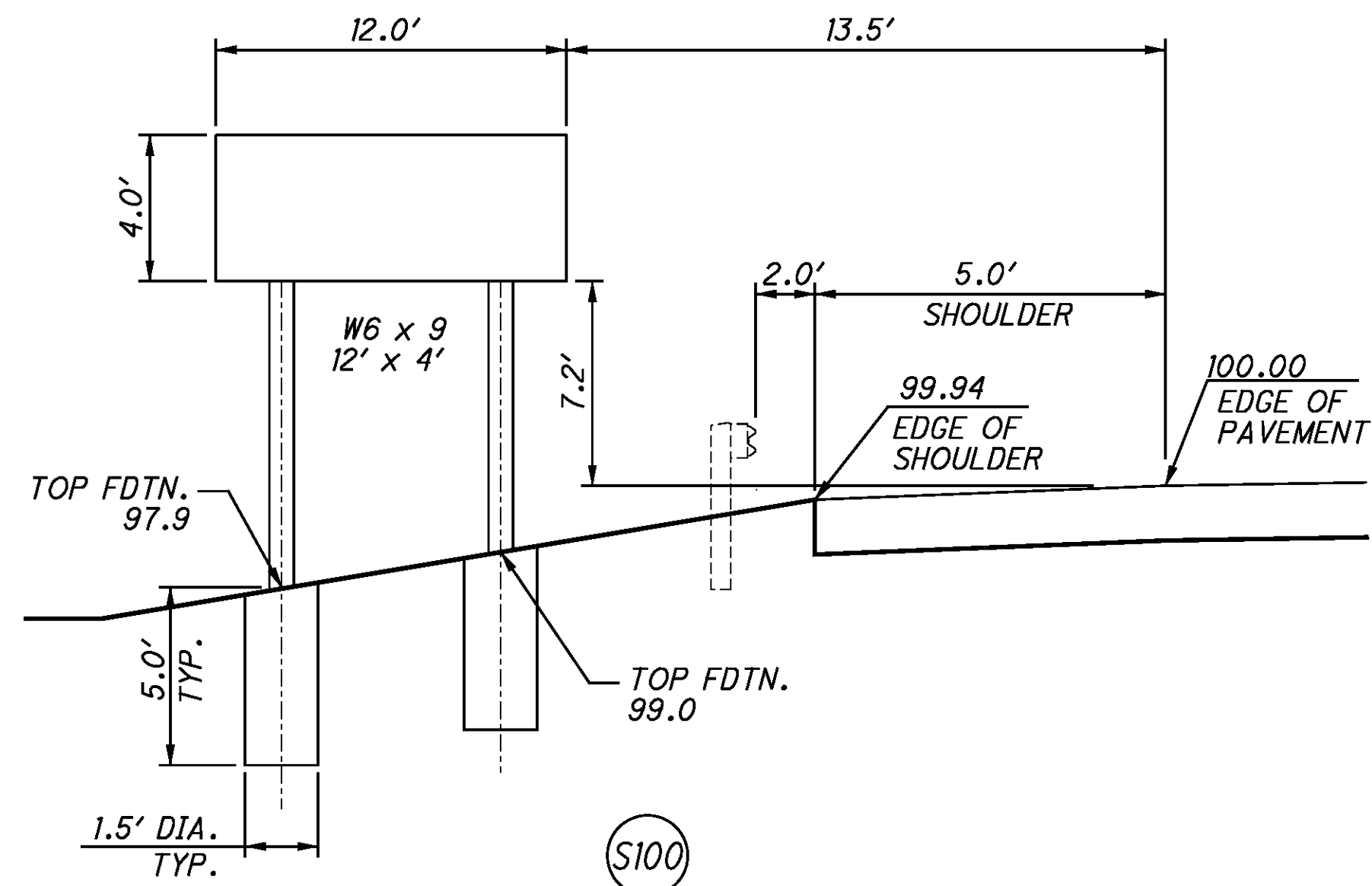




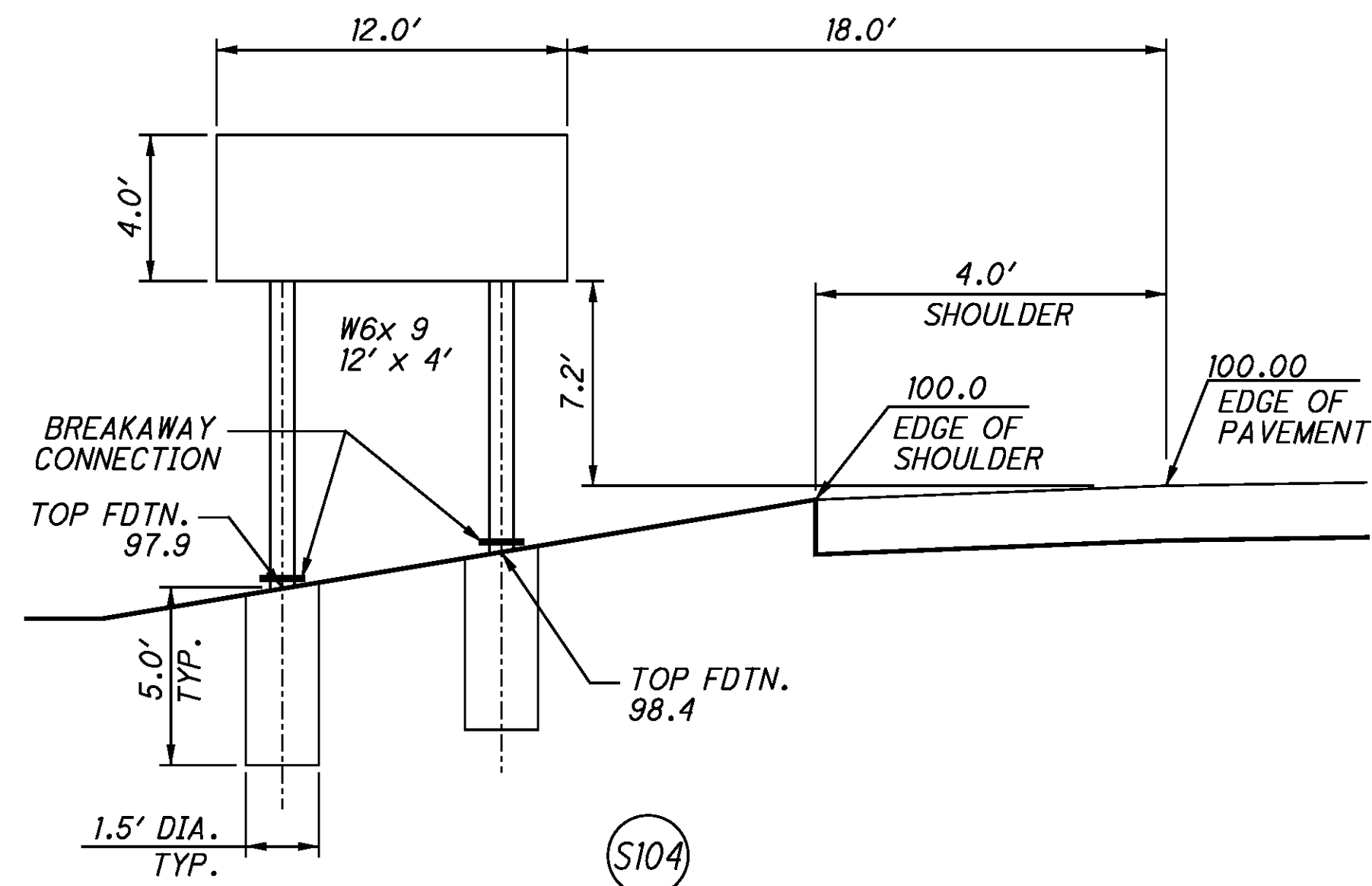




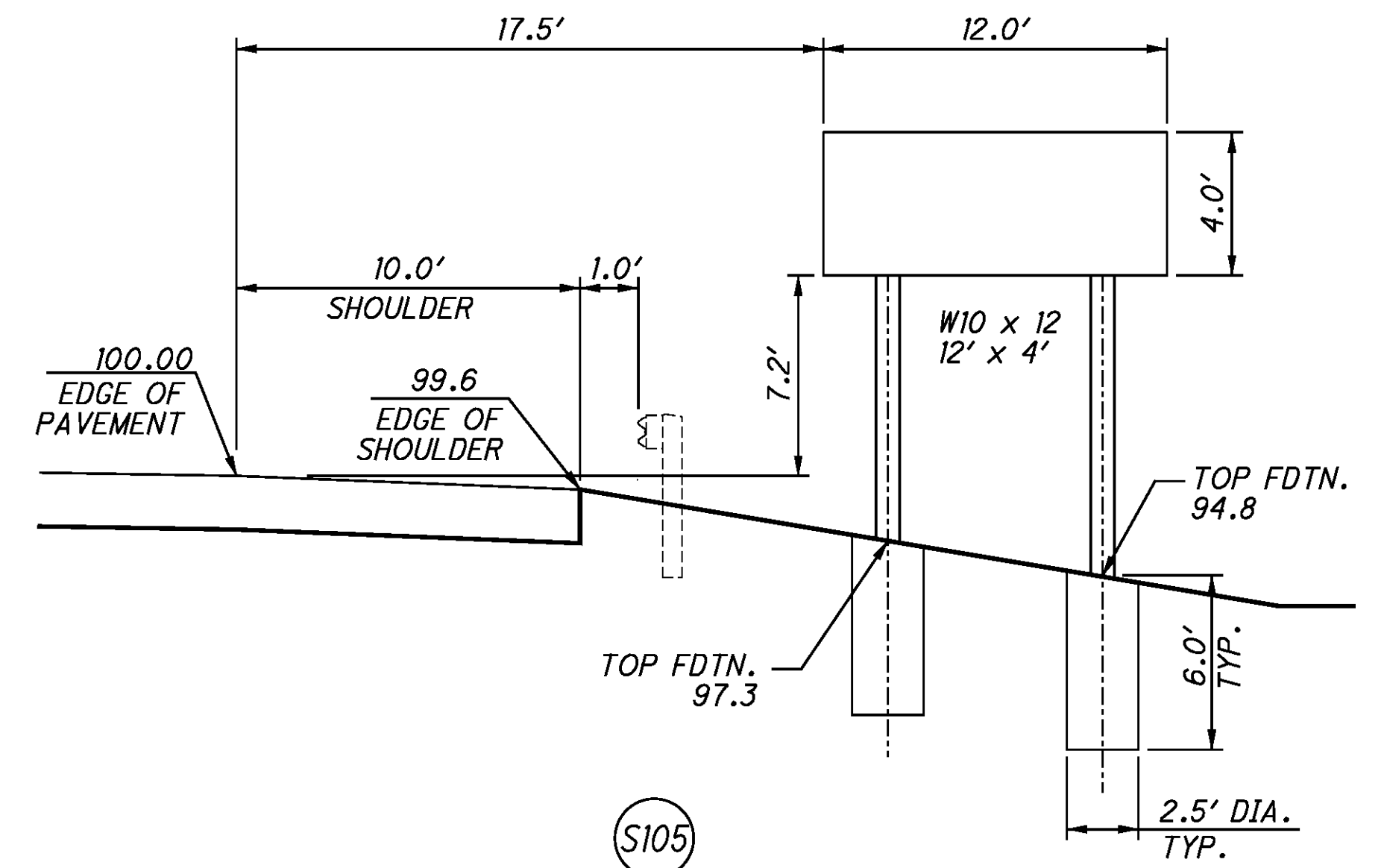
NOTE: OFFSETS ARE MEASURED FROM
EDGE OF PAVEMENT (TYP.).



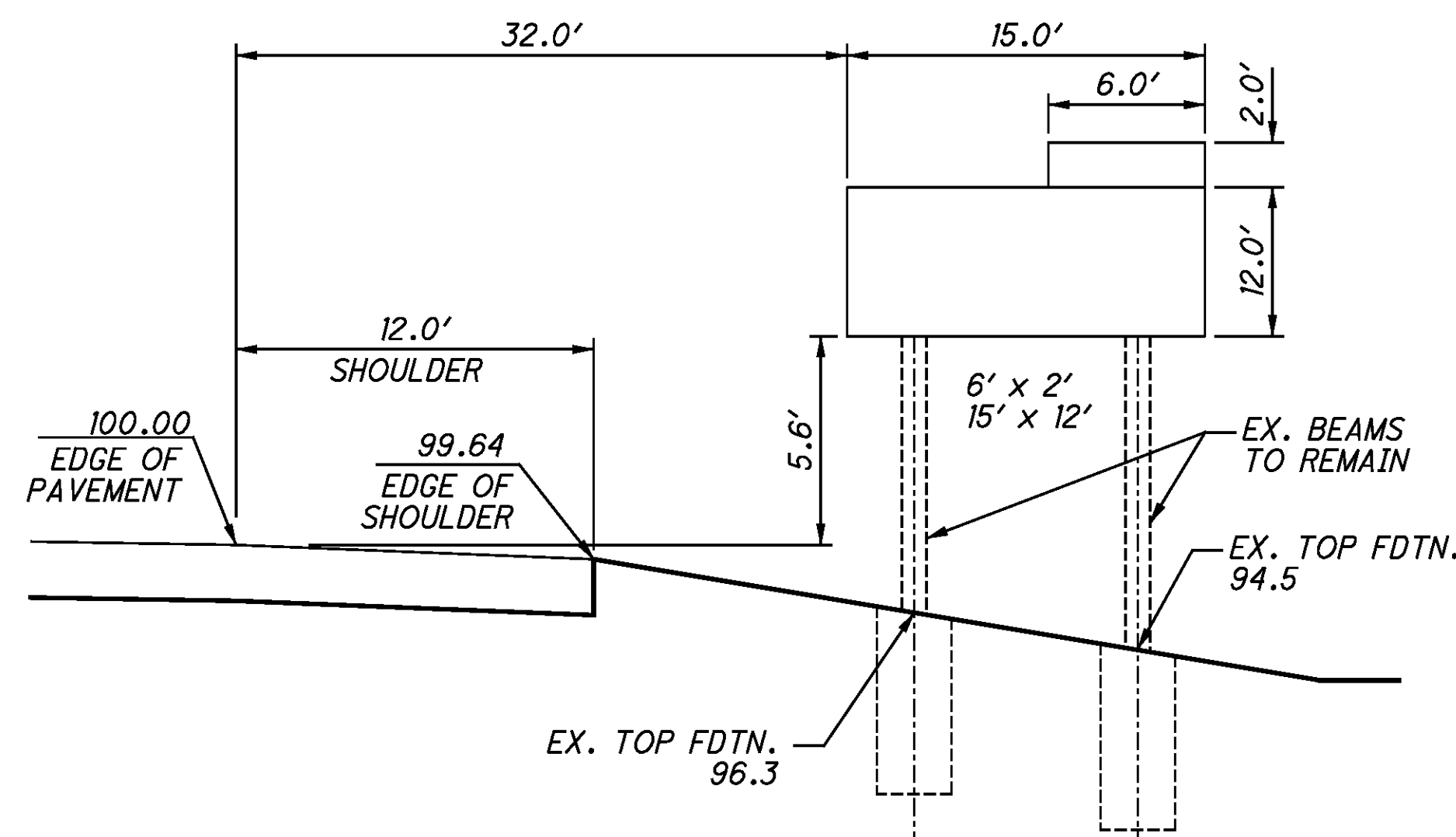
GROUND MOUNTED SIGN
I.R. 675 (NB), RAMP V
STA. 39+74, 13.5' LT.



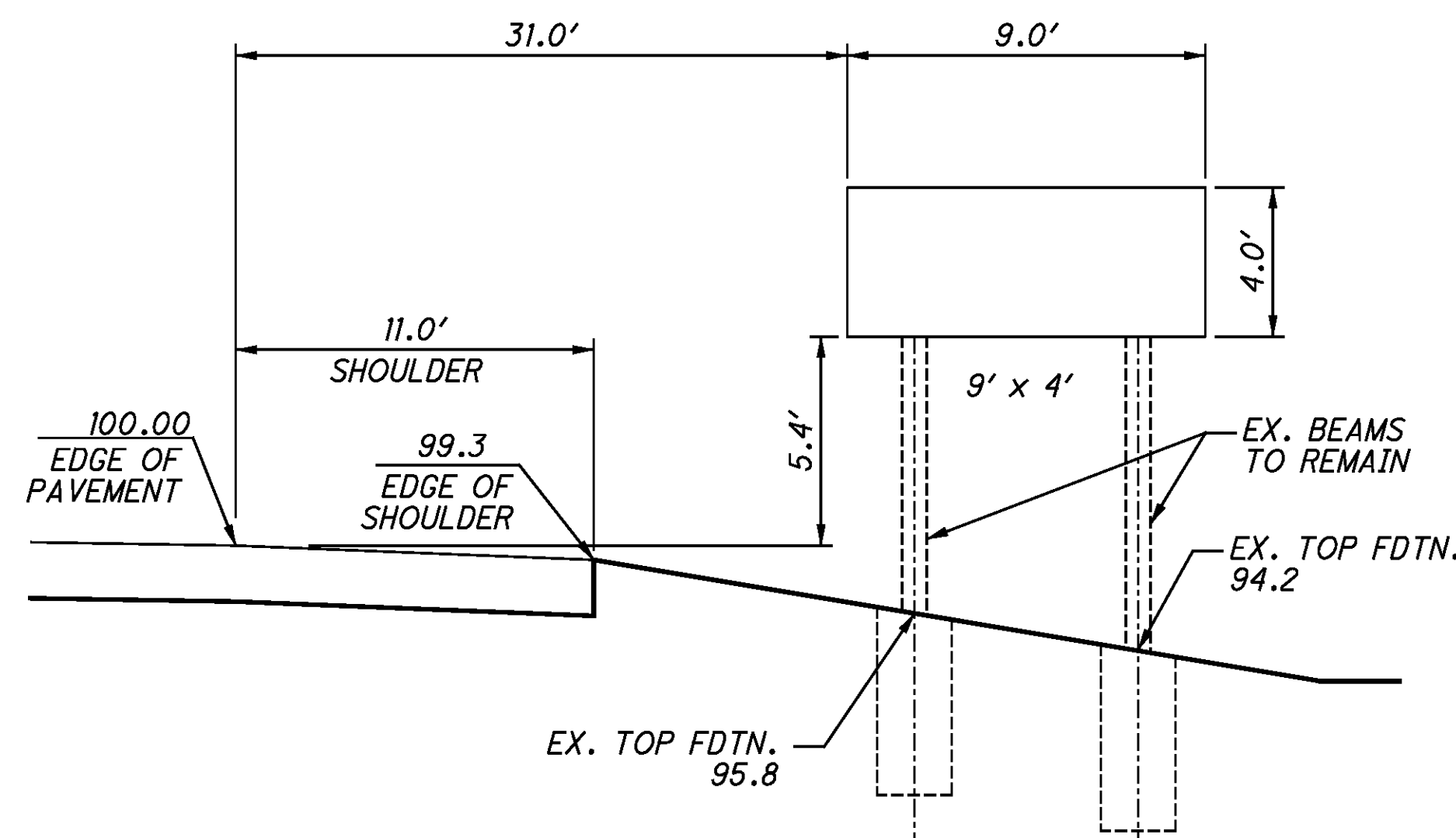
GROUND MOUNTED SIGN
I.R. 675
STA. 80+00, 18.0' LT. (INSIDE)



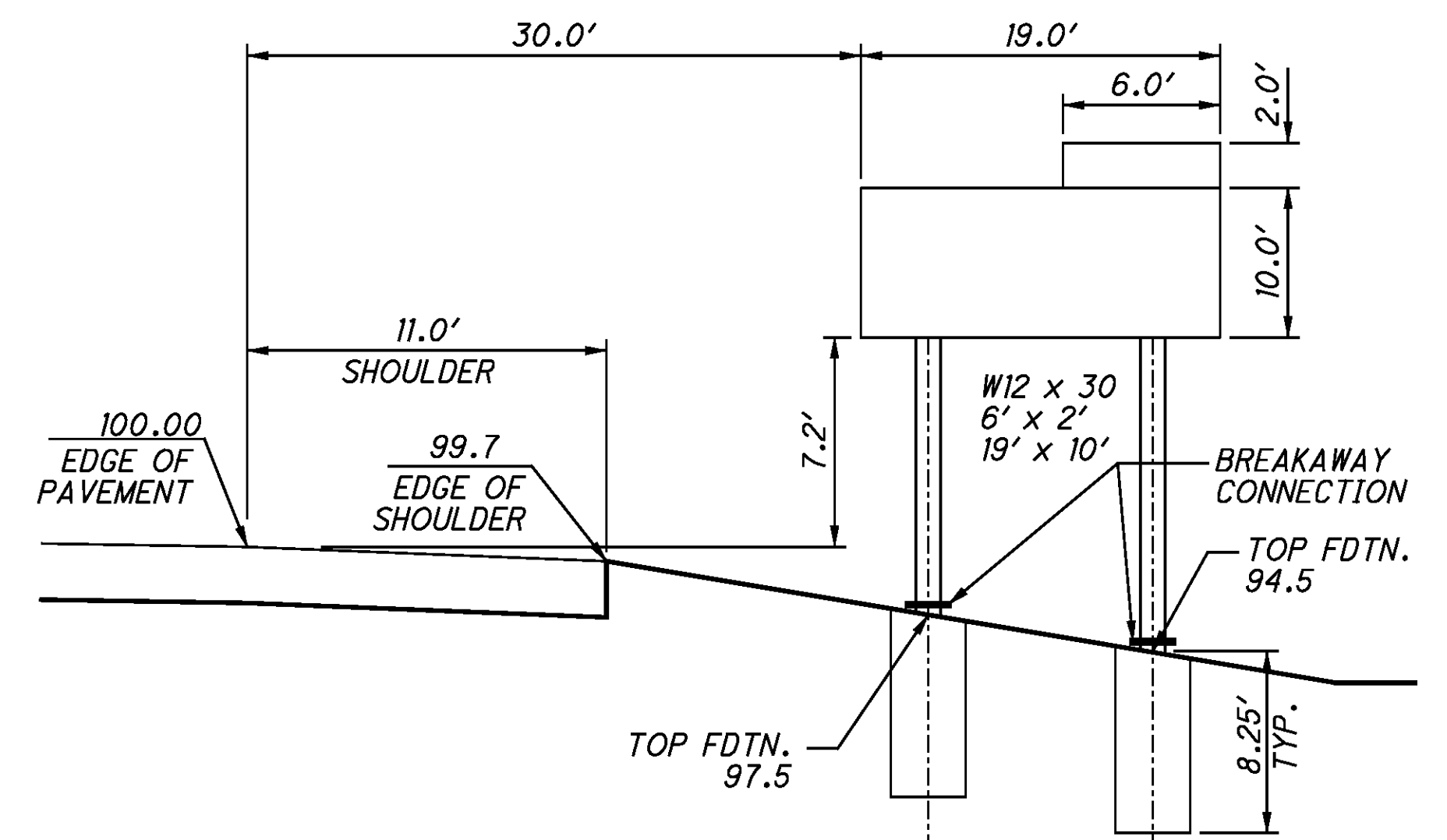
GROUND MOUNTED SIGN
I.R. 675
STA. 80+00, 17.5' RT. (OUTSIDE)



GROUND MOUNTED SIGN
I.R. 675
STA. 85+50, 32.0' RT.

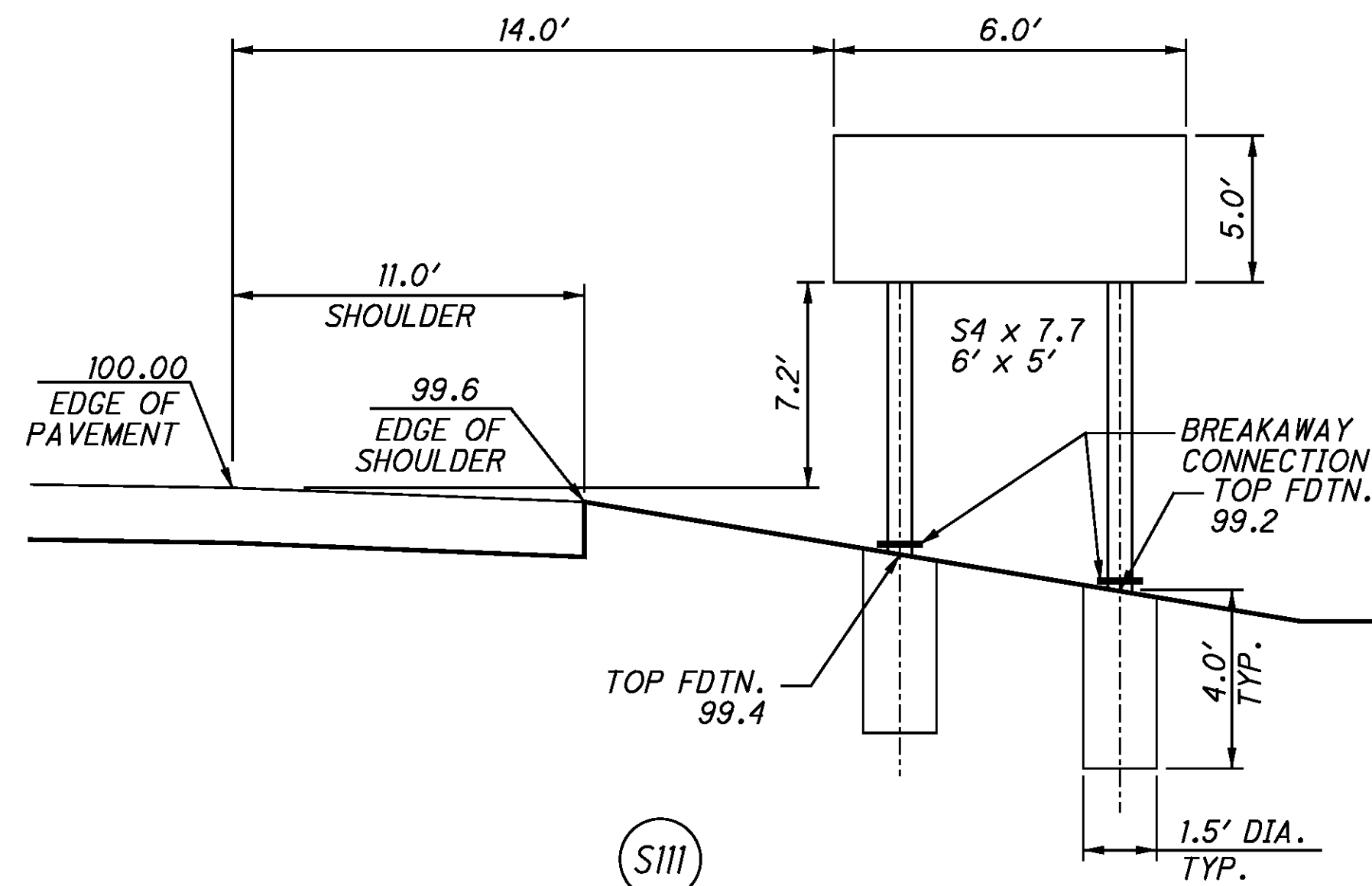


GROUND MOUNTED SIGN
I.R. 675
STA. 90+00, 31.0' RT.

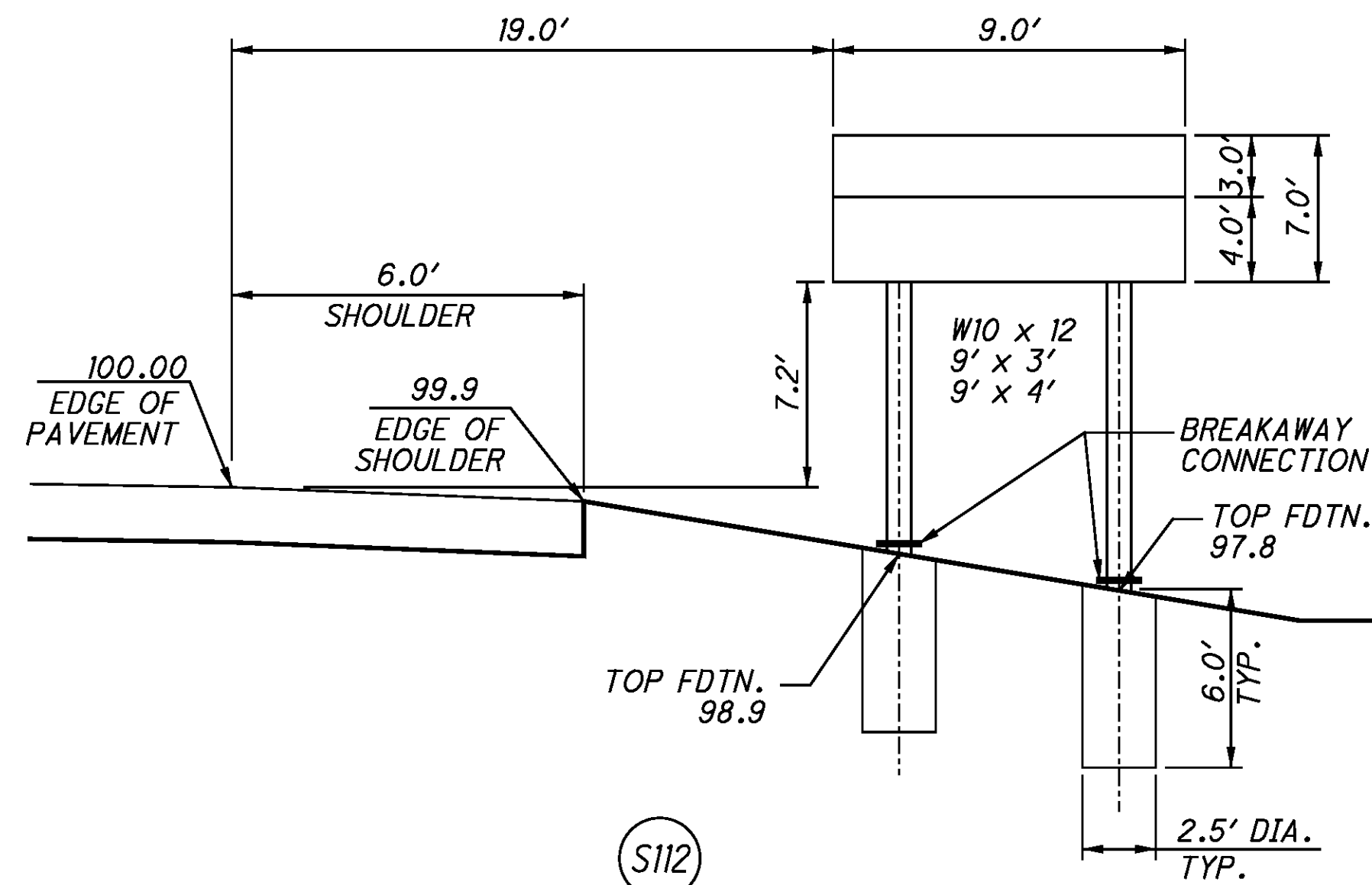


GROUND MOUNTED SIGN
I.R. 675
STA. 115+49, 30.0' RT.

NOTE: OFFSETS ARE MEASURED FROM
EDGE OF PAVEMENT (TYP.).

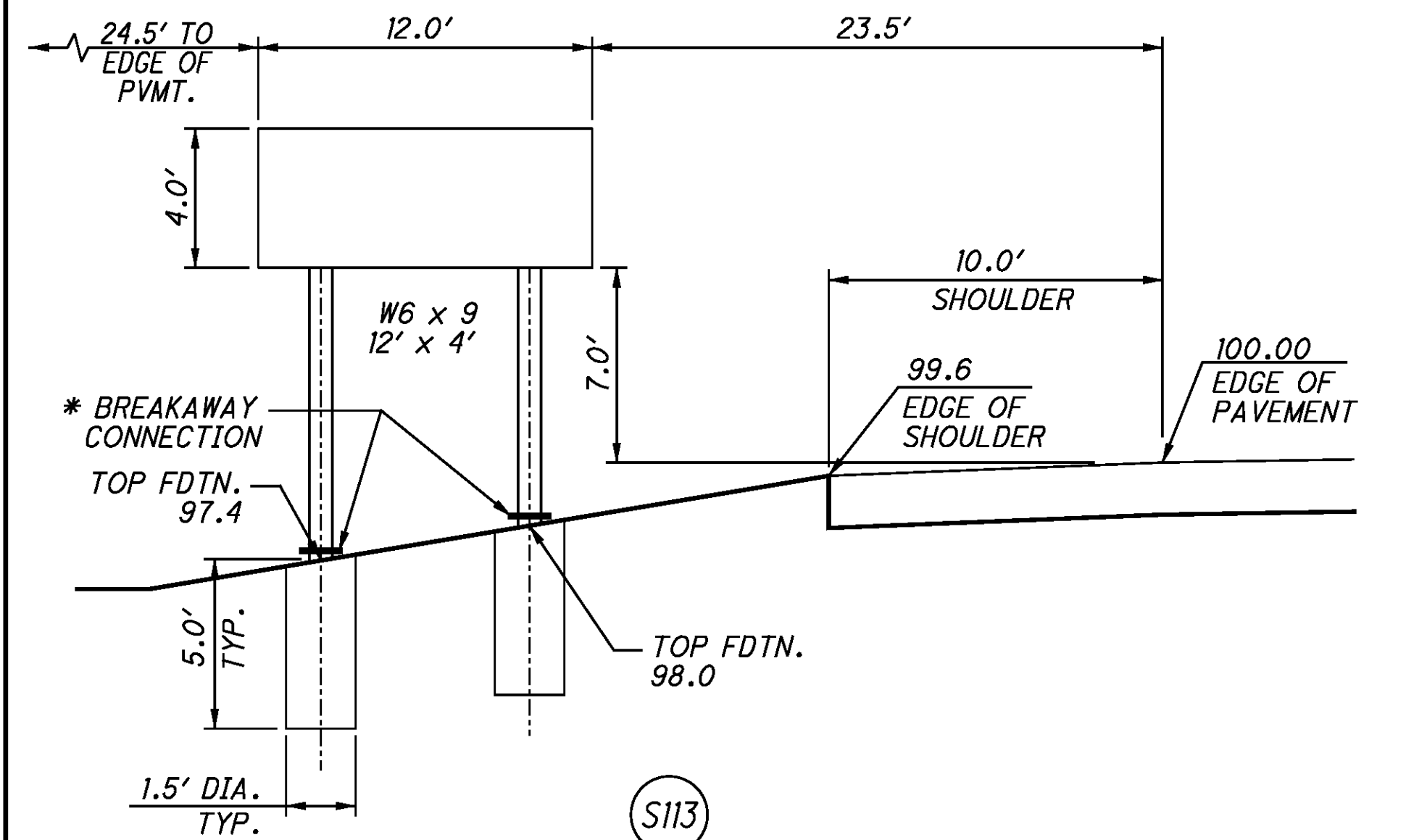


GROUND MOUNTED SIGN
I.R. 675
STA. 118+75, 14.0' RT.

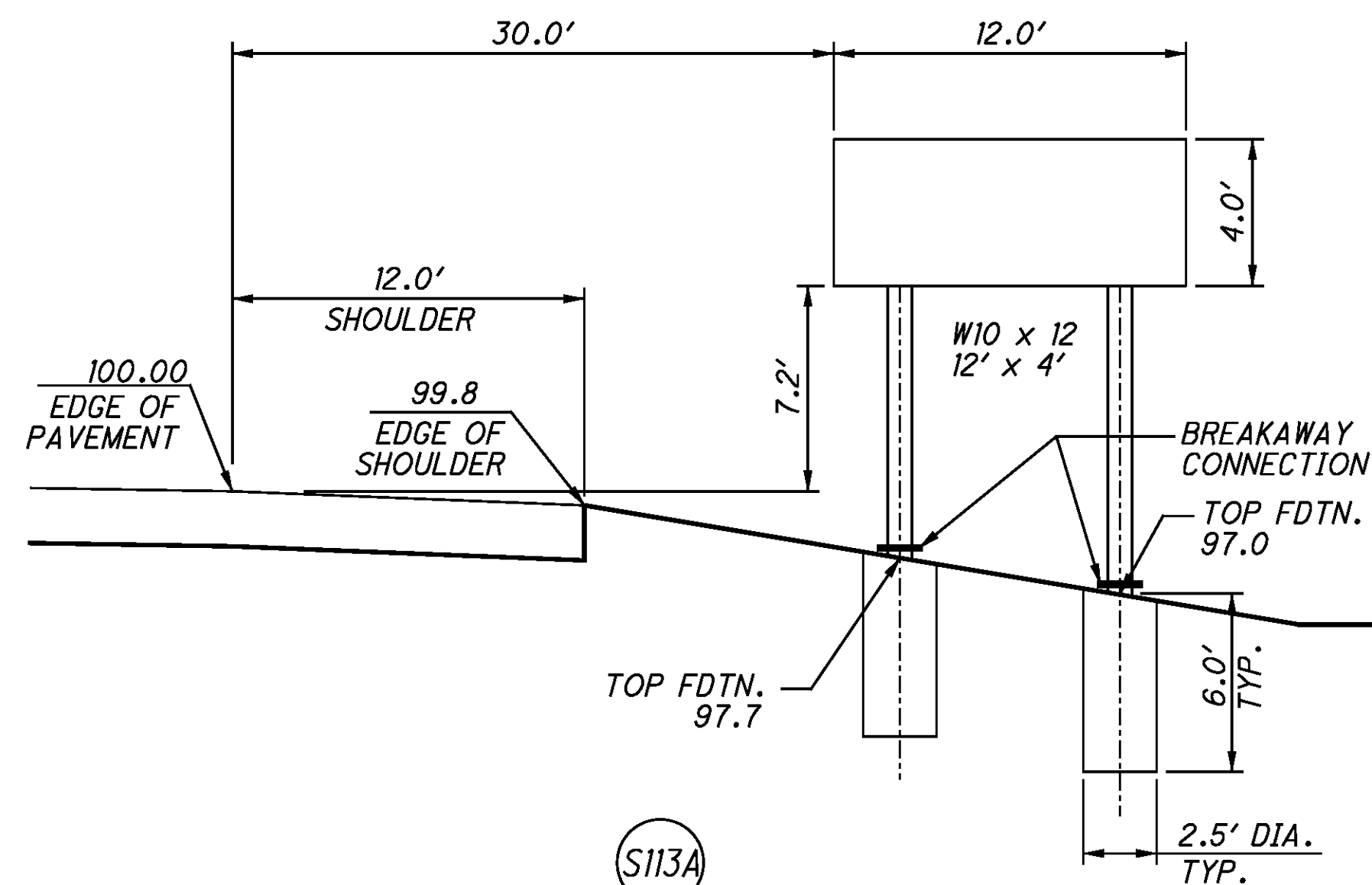


GROUND MOUNTED SIGN
I.R. 675, RAMP "L"
STA. 126+50, 19.0' RT.

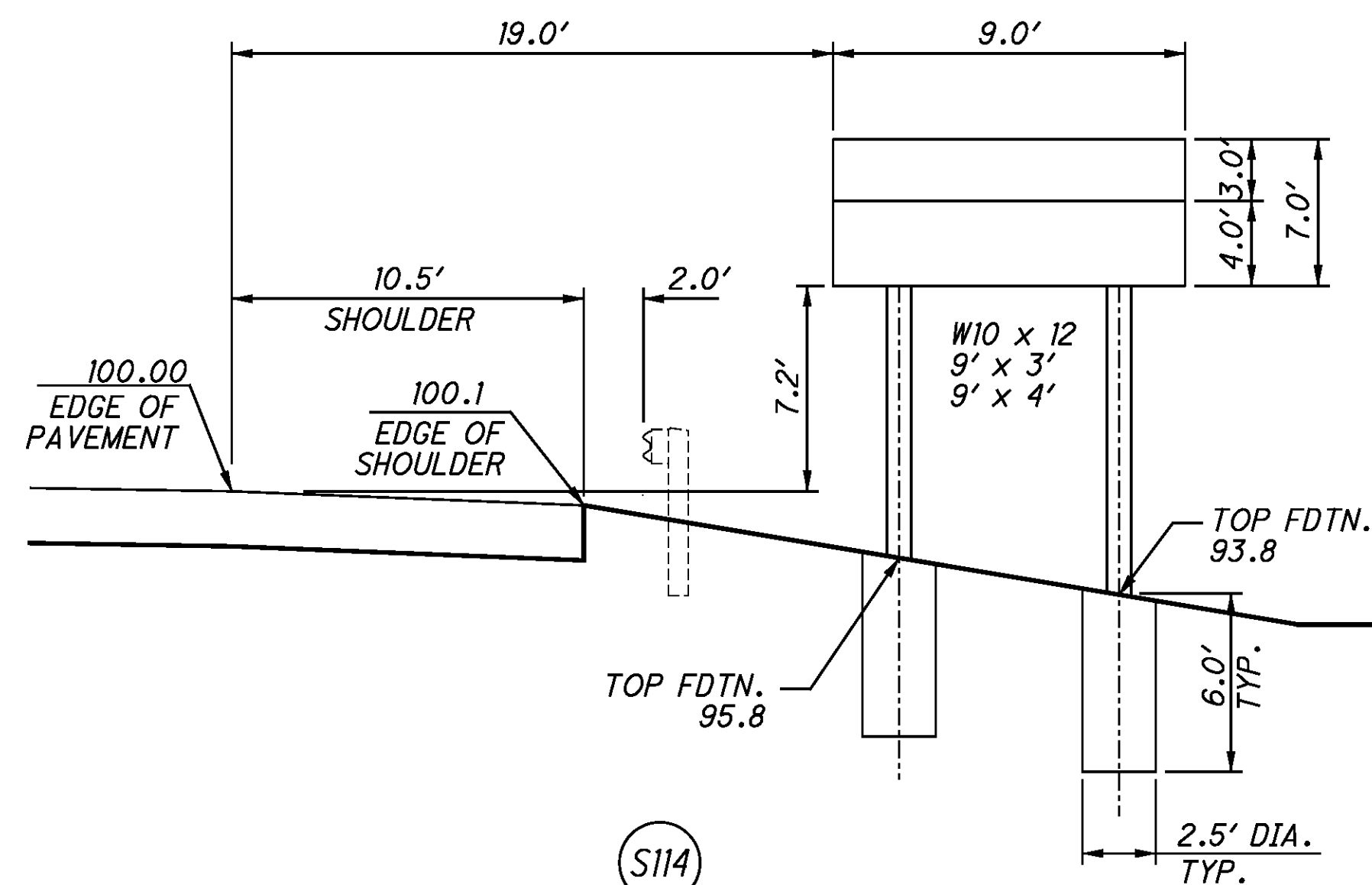
* INSTALL 2 BREAKAWAY CONNECTIONS
ON EACH BEAM. EACH CONNECTION
SHALL FACE THE OPPOSITE DIRECTION
OF TRAFFIC.



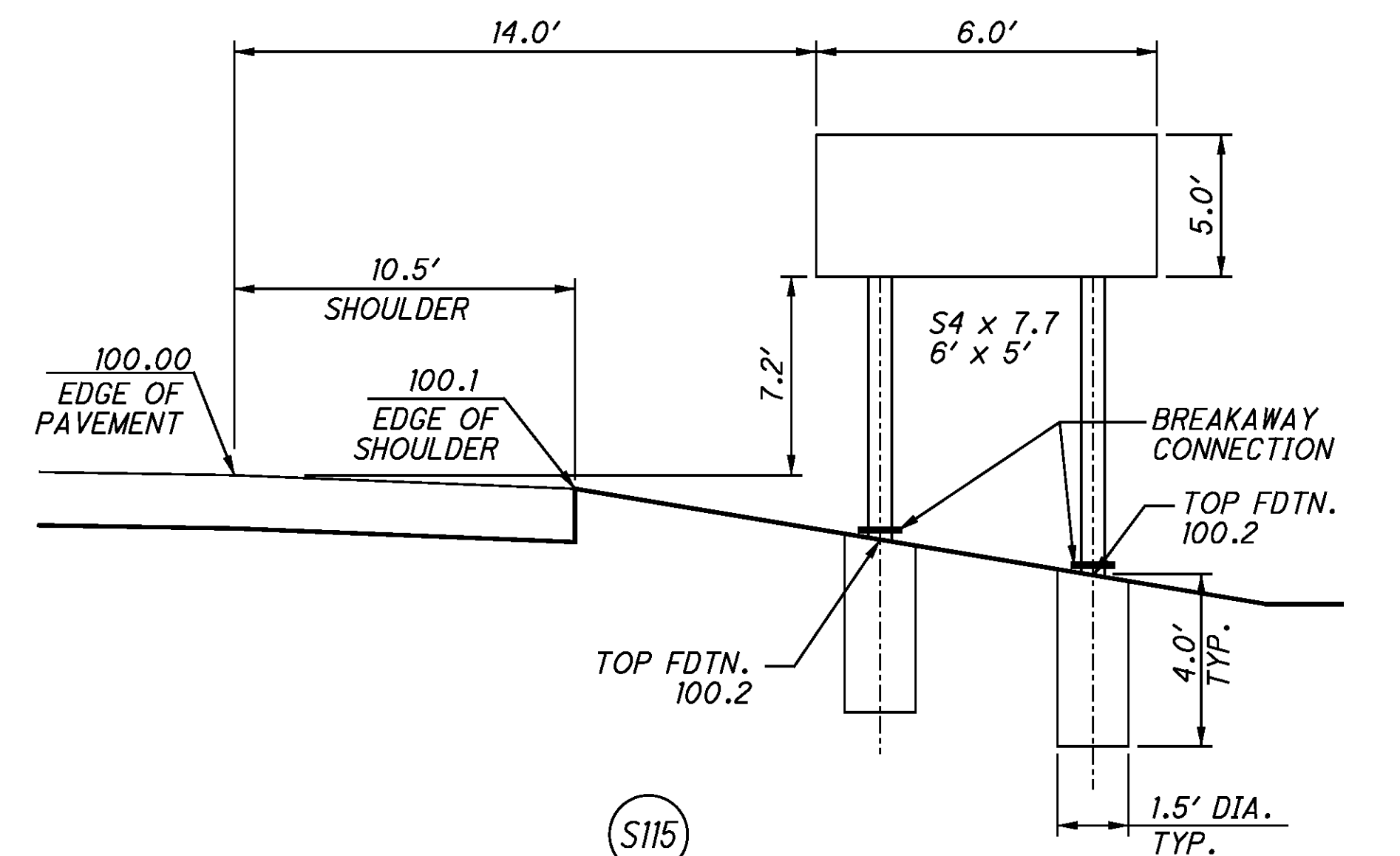
GROUND MOUNTED SIGN
I.R. 675
STA. 144+05, 23.5' LT.



GROUND MOUNTED SIGN
I.R. 675
STA. 144+05, 30.0' LT.



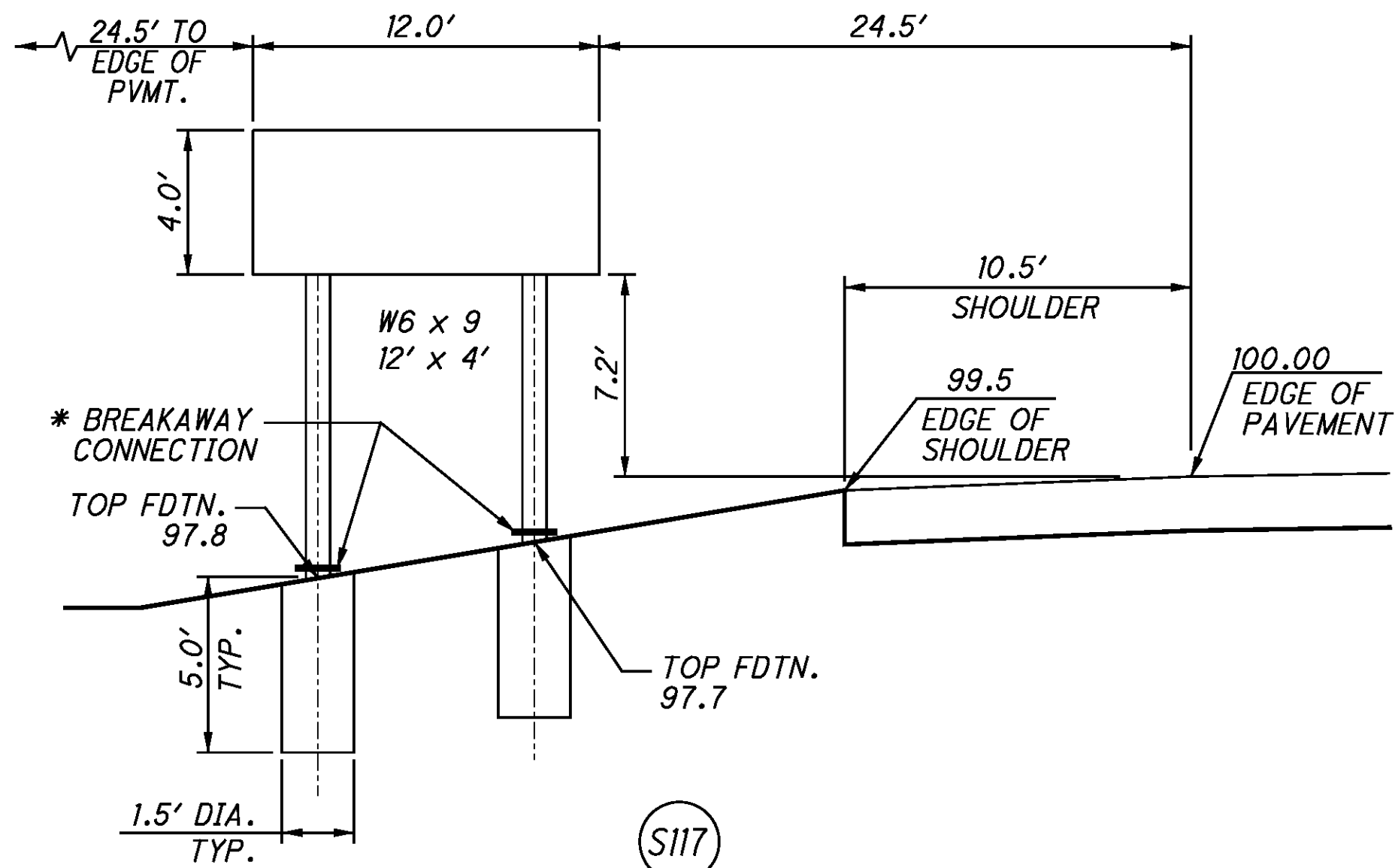
GROUND MOUNTED SIGN
I.R. 675
STA. 147+00, 19.0' LT.



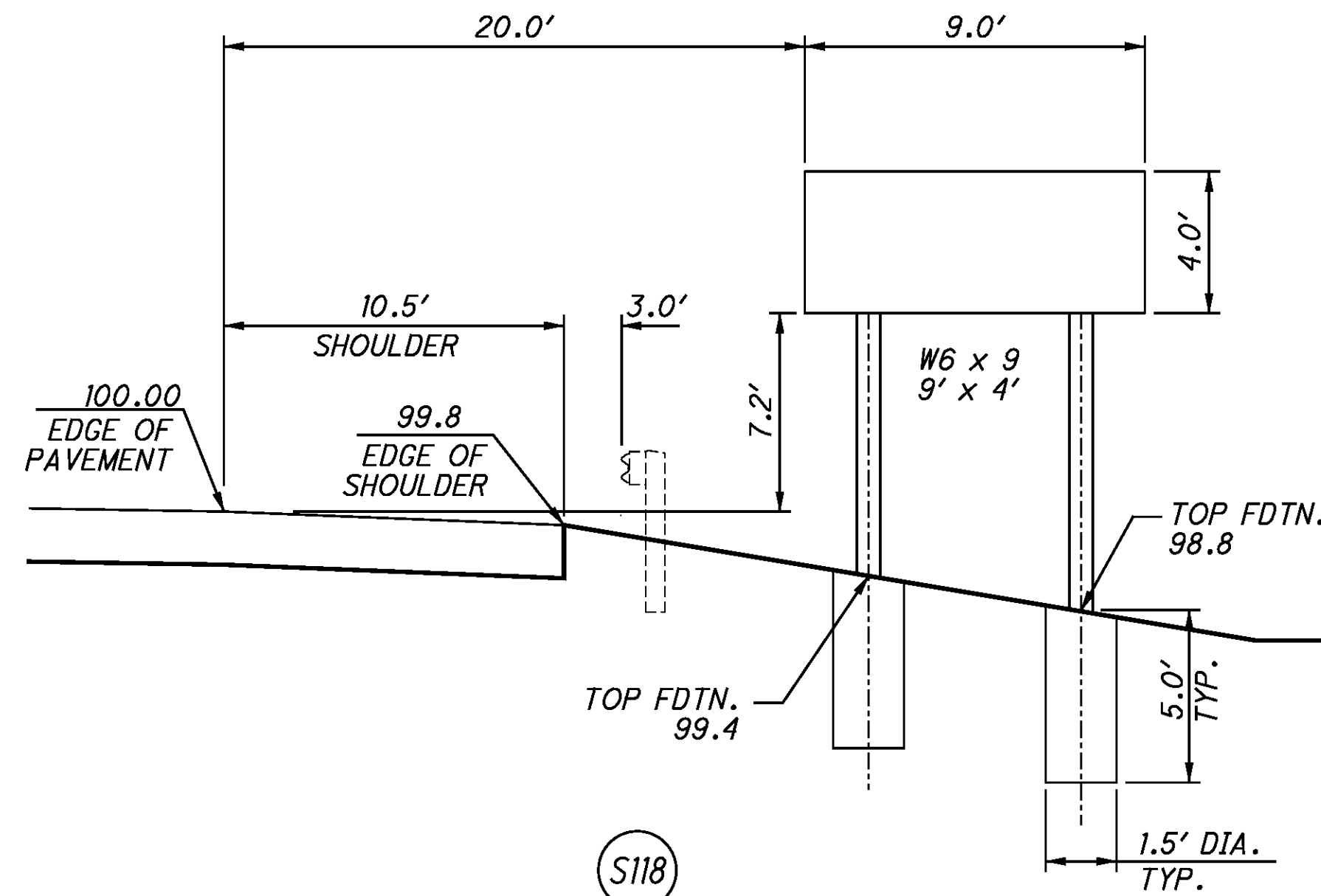
GROUND MOUNTED SIGN
I.R. 675
STA. 149+78, 14.0' LT.

NOTE: OFFSETS ARE MEASURED FROM
EDGE OF PAVEMENT (TYP.).

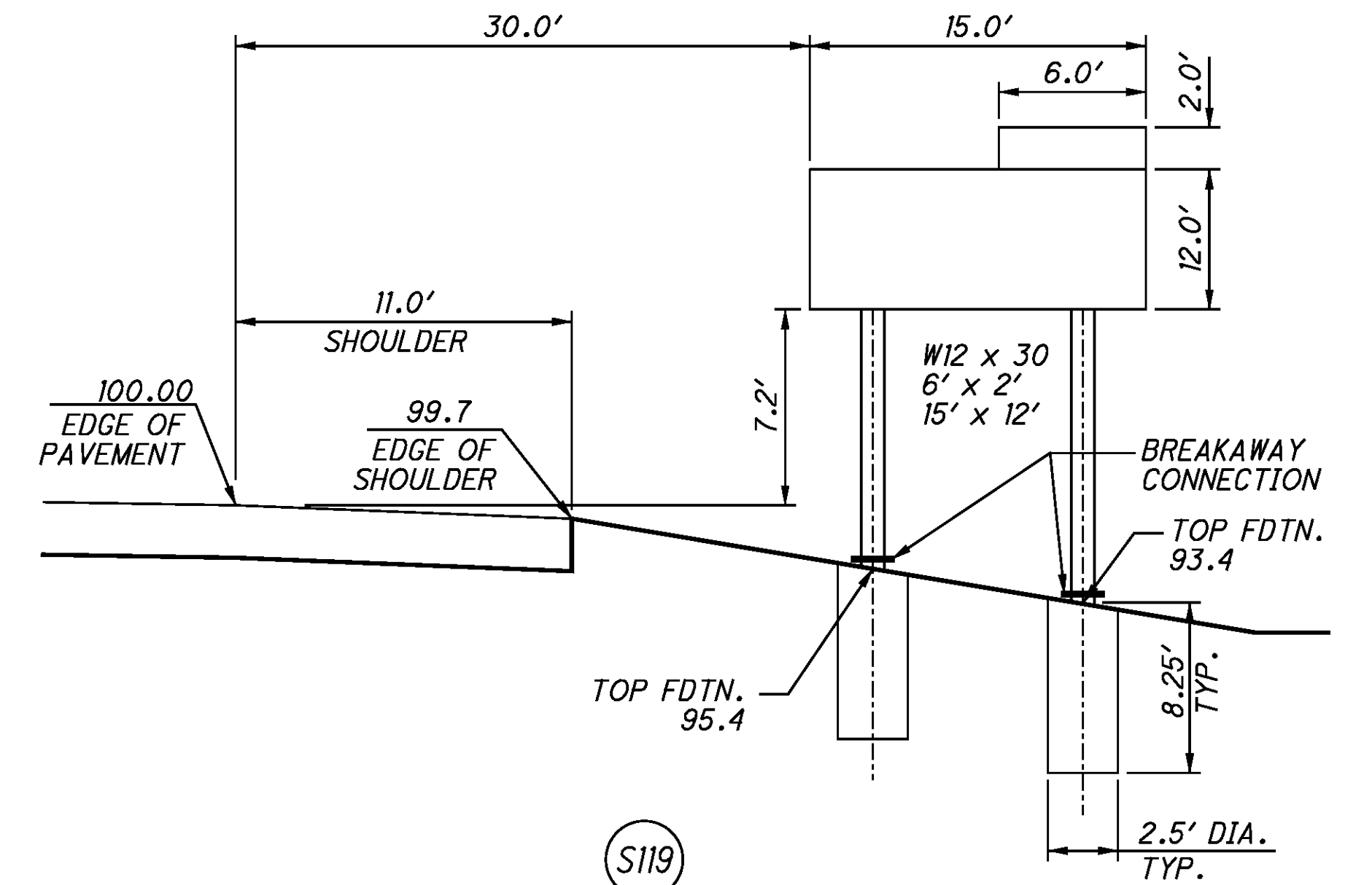
* INSTALL 2 BREAKAWAY CONNECTIONS
ON EACH BEAM. EACH CONNECTION
SHALL FACE THE OPPOSITE DIRECTION
OF TRAFFIC.



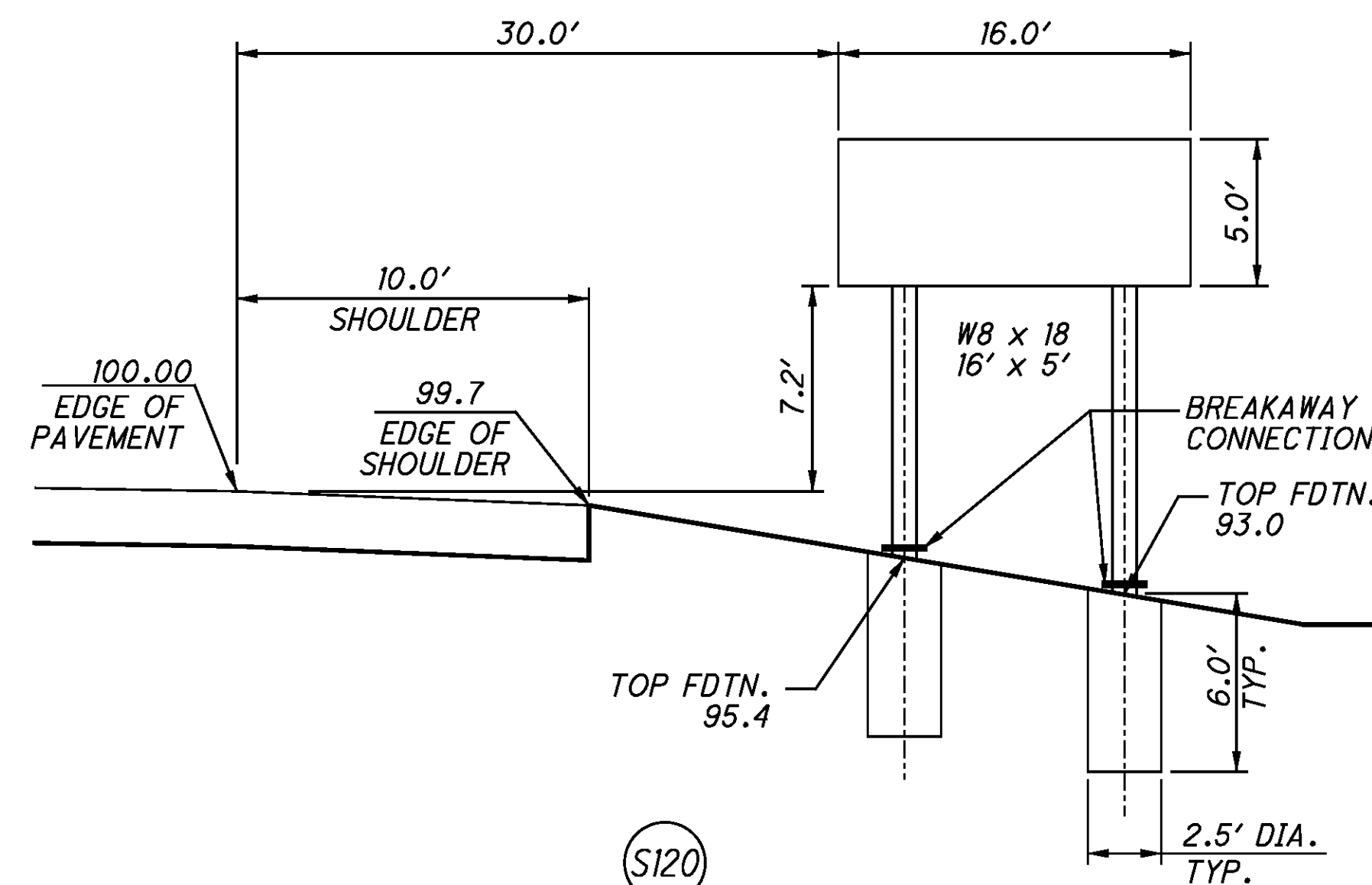
GROUND MOUNTED SIGN
I.R. 675
STA. 165+75, 25.5' RT.



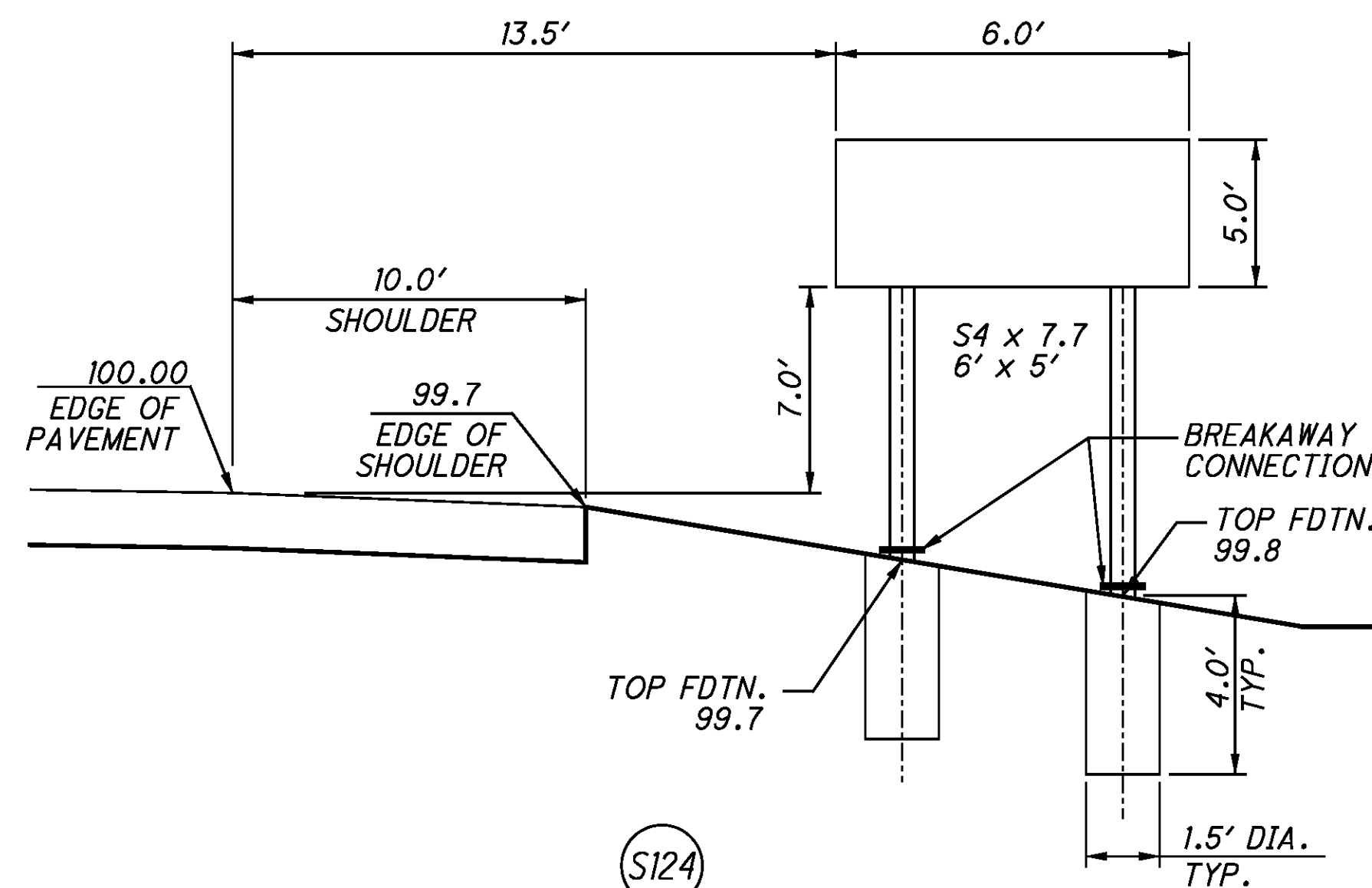
GROUND MOUNTED SIGN
I.R. 675
STA. 180+00, 20.0' LT.



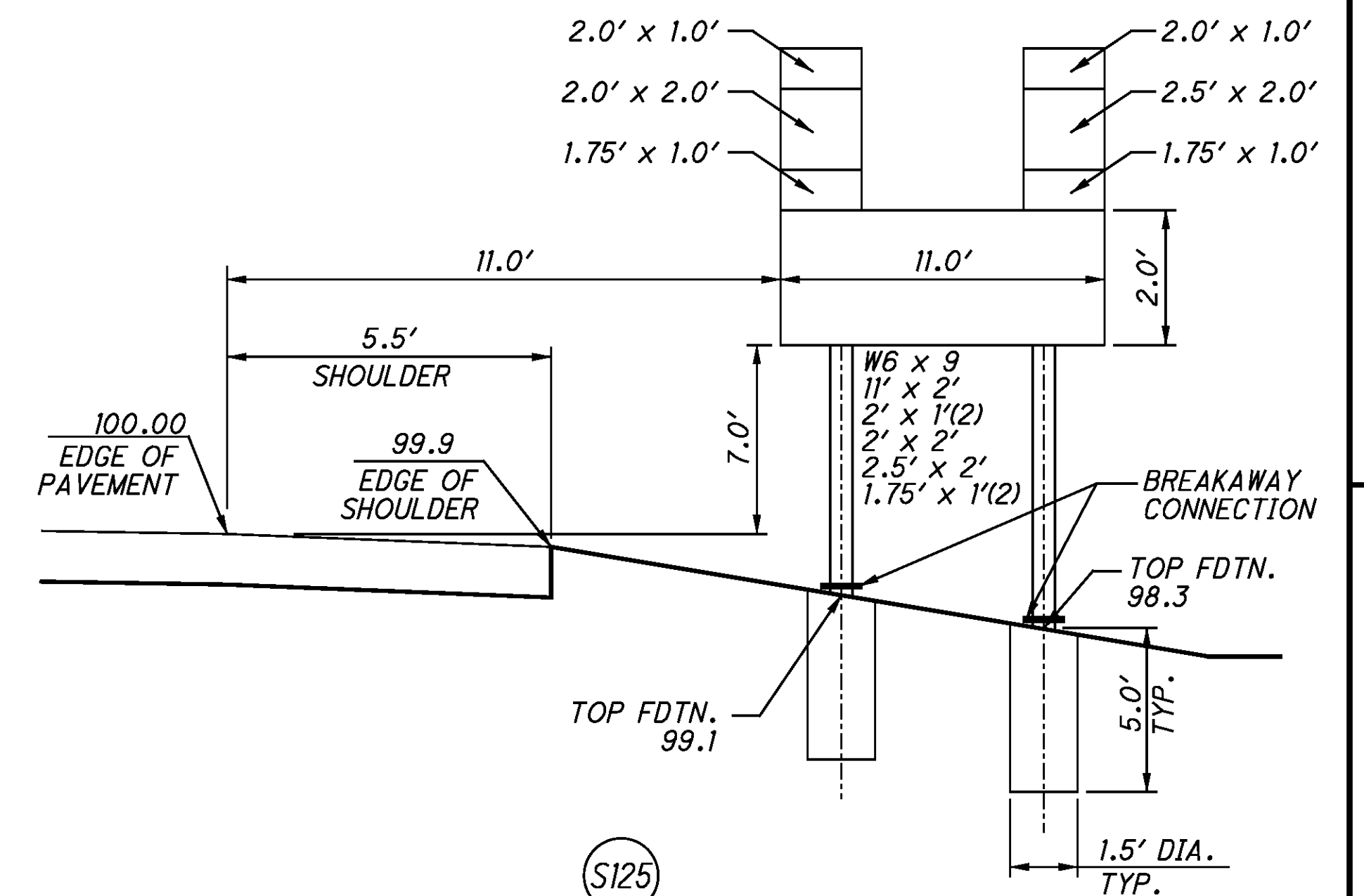
GROUND MOUNTED SIGN
I.R. 675
STA. 188+00, 30.0' LT.



GROUND MOUNTED SIGN
I.R. 675
STA. 195+00, 30.0' LT.

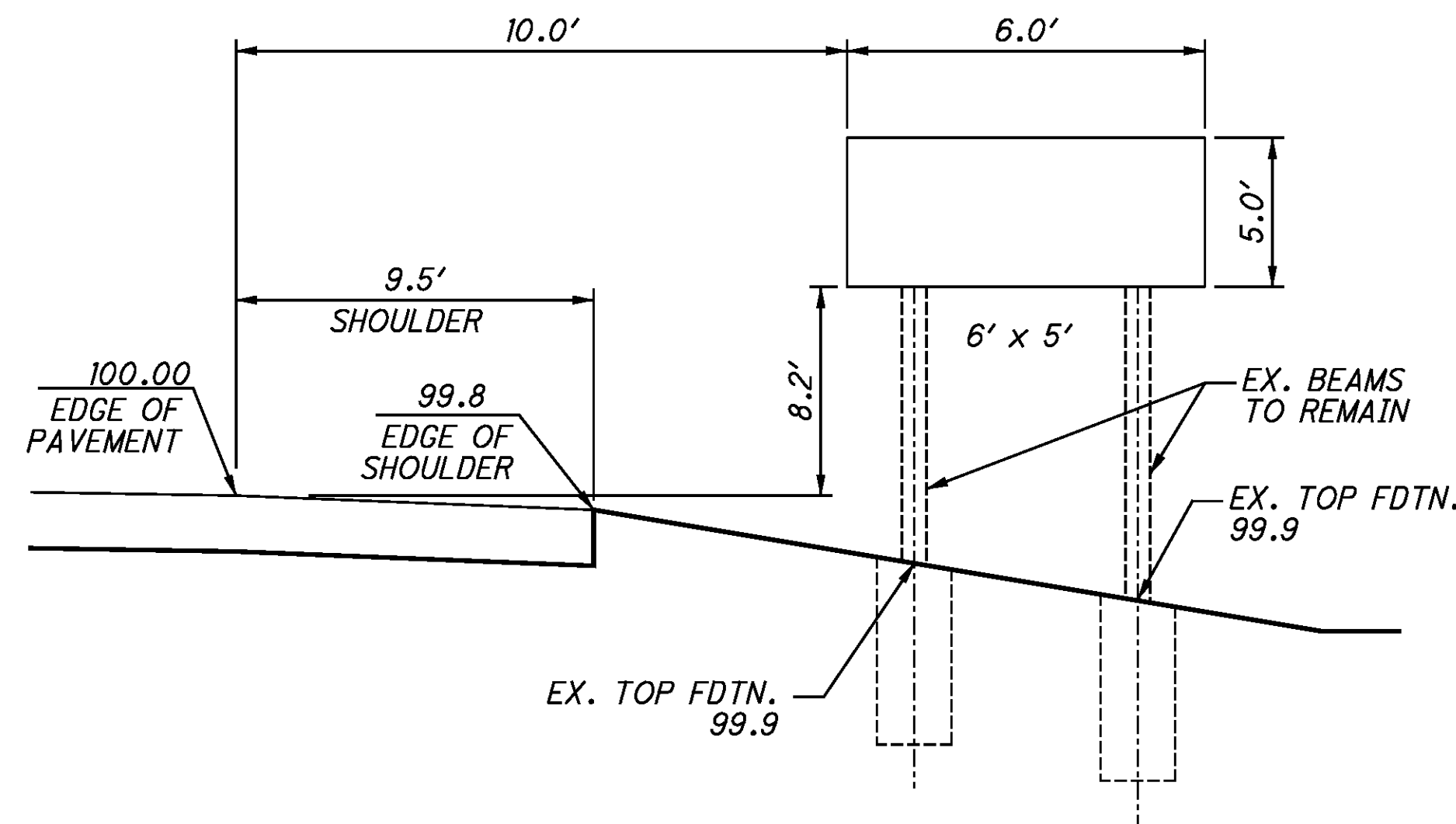


GROUND MOUNTED SIGN
I.R. 675
STA. 245+25, 13.5' RT.

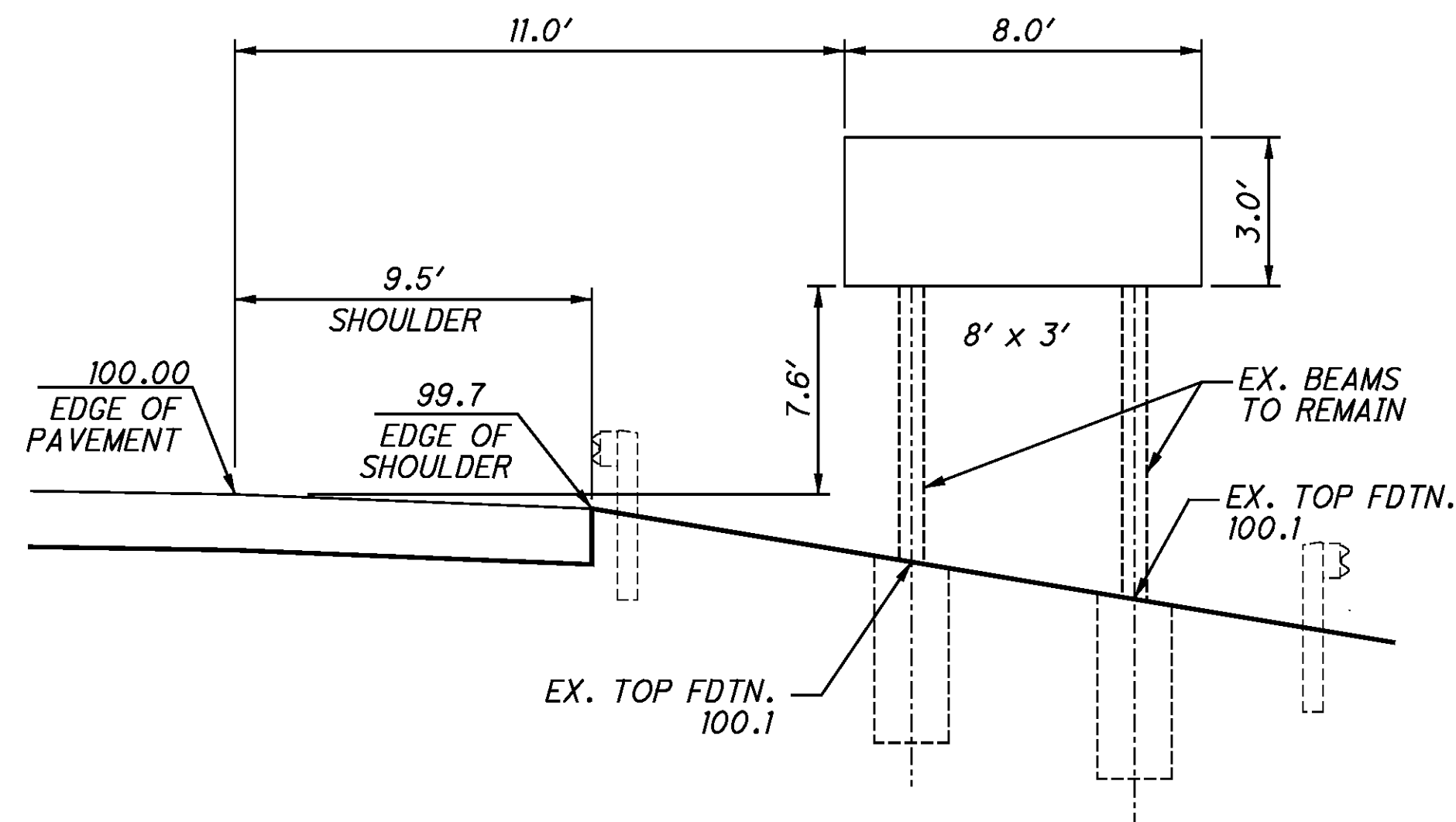


GROUND MOUNTED SIGN
I.R. 675
STA. 250+00, 11.0' RT.

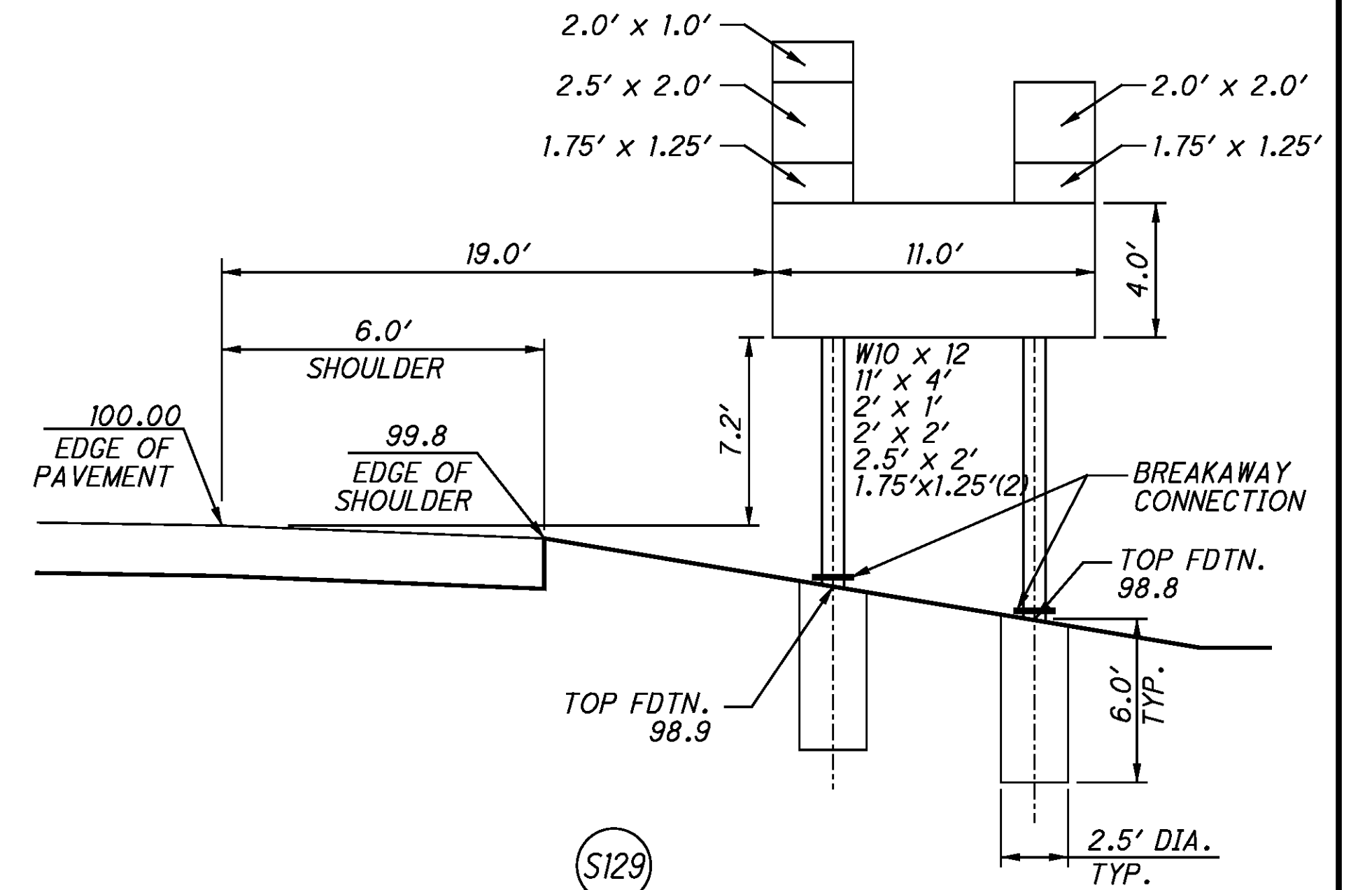
NOTE: OFFSETS ARE MEASURED FROM
EDGE OF PAVEMENT (TYP.).



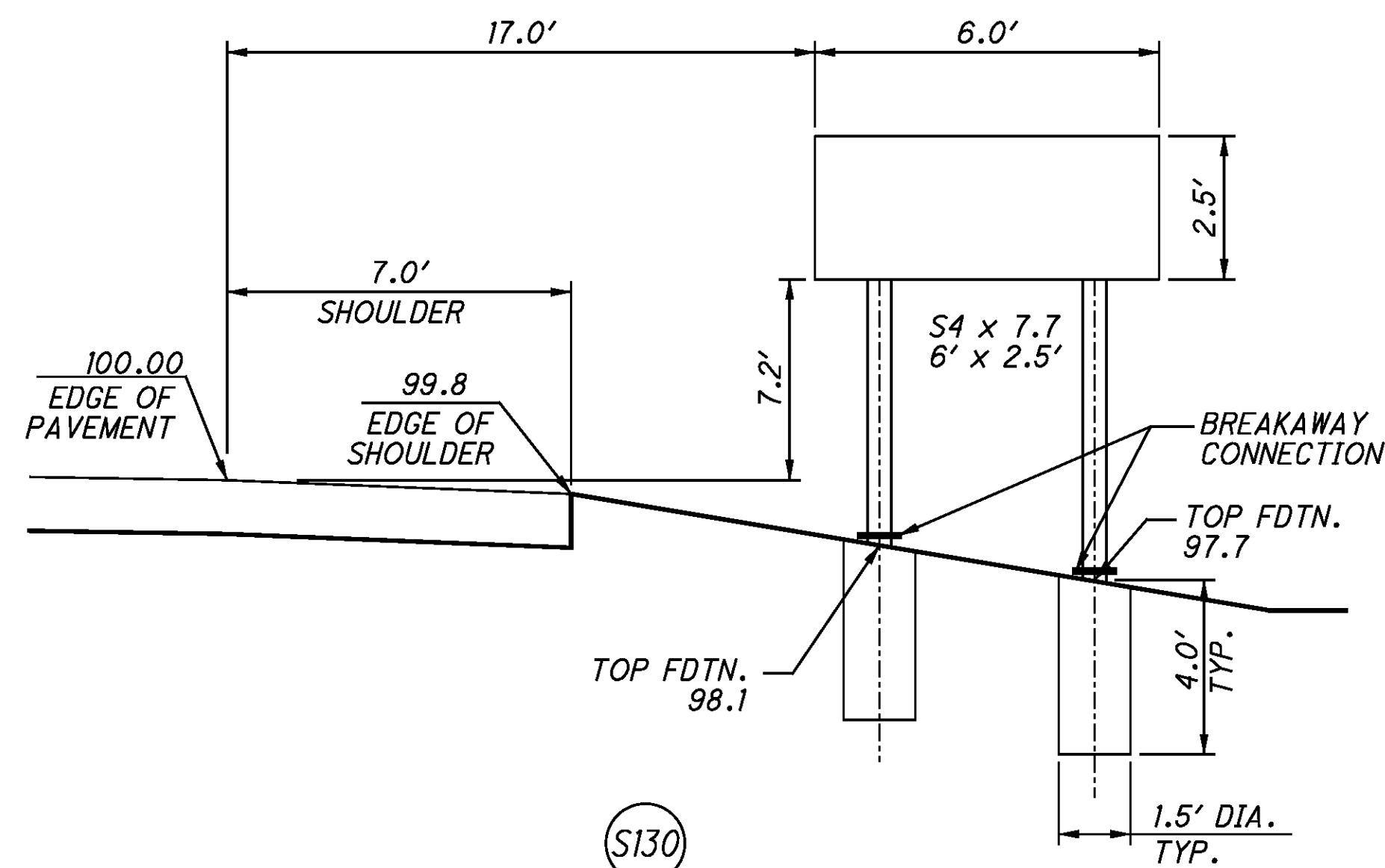
(S127)
GROUND MOUNTED SIGN
I.R. 675
STA. 265+73, 10.0' RT.



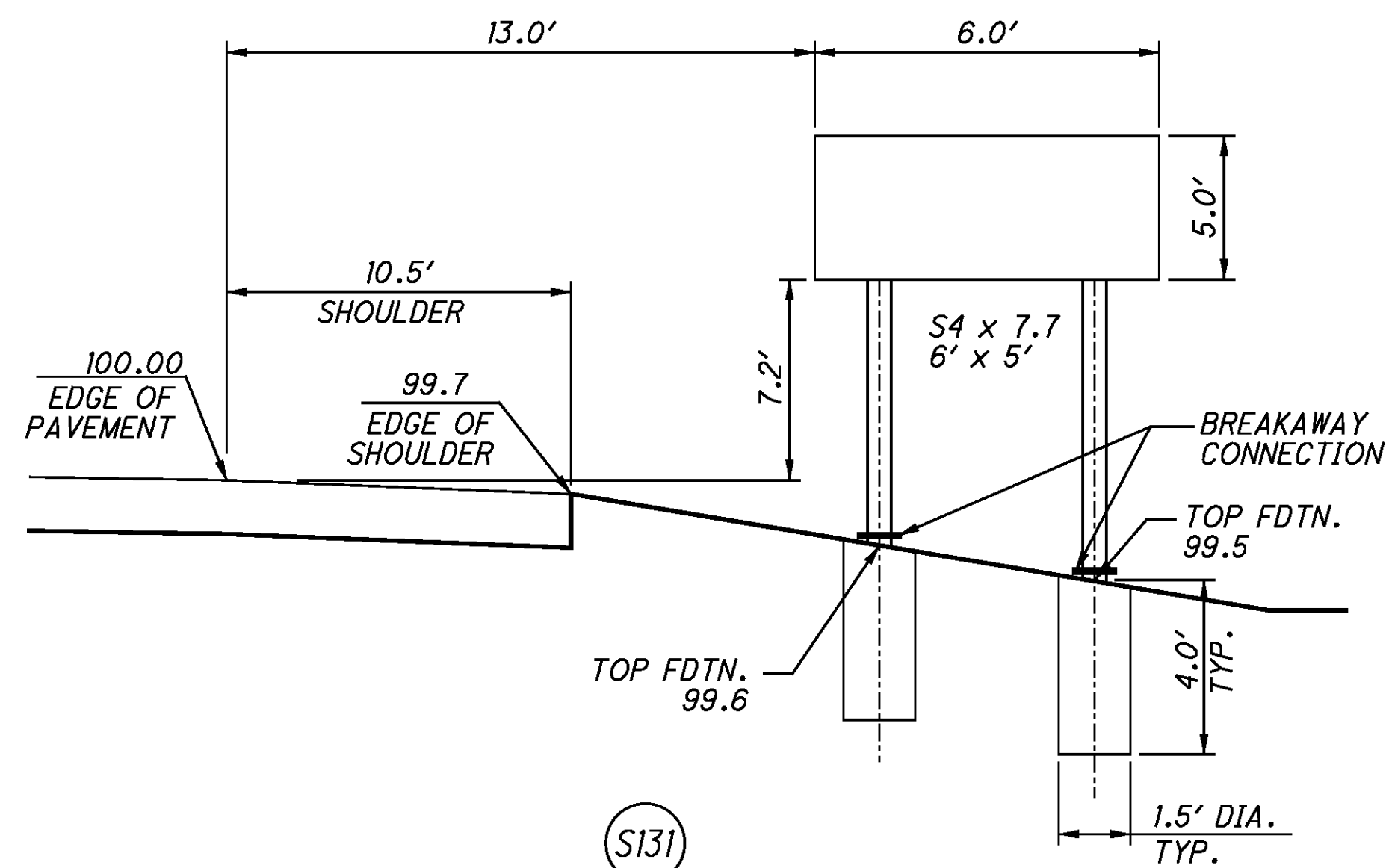
(S128)
GROUND MOUNTED SIGN
I.R. 675
STA. 269+75, 11.0' RT.



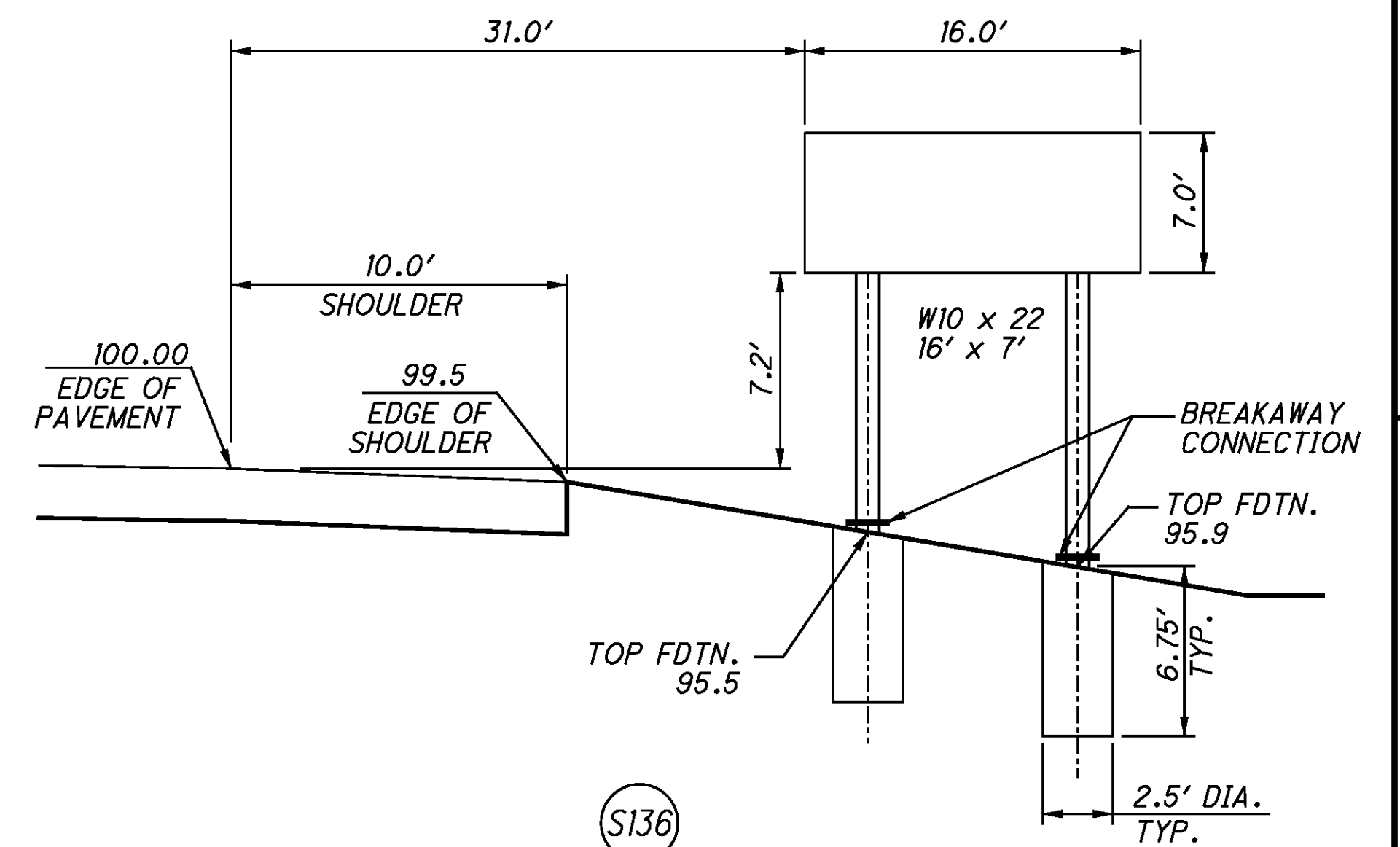
(S129)
GROUND MOUNTED SIGN
I.R. 675
STA. 278+00, 19.0' LT.



(S130)
GROUND MOUNTED SIGN
I.R. 675
STA. 277+63, 17.0' RT.



(S131)
GROUND MOUNTED SIGN
I.R. 675
STA. 280+75, 13.0' LT.



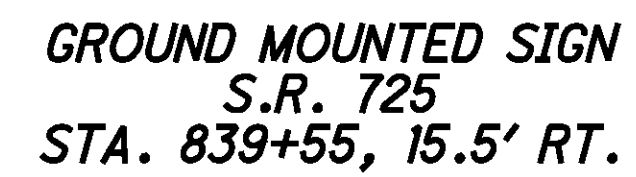
(S136)
GROUND MOUNTED SIGN
I.R. 675
STA. 361+23, 31.0' LT.

P:\2009\D7 - GES\87931-Task 79\83302\MOT675\traffic\sheets\87931td005-675.dgn 8/15/2011 9:28:24 PM 1430tme

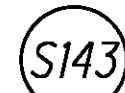


(S141A)

(S142)



SIGN DETAILS - I.R. 675



(S146)



**MOT/CLA GUIDE
SIGN REPLACEMENT**

P:\2009\D7 - GES\87931-Task 7g\83302\MOT675\traffic\sheets\87931td006-675.dgn 9/20/2010 2:54:45 PM edavis



(S151)

(S149)

(S152)

(S150)

(S153)

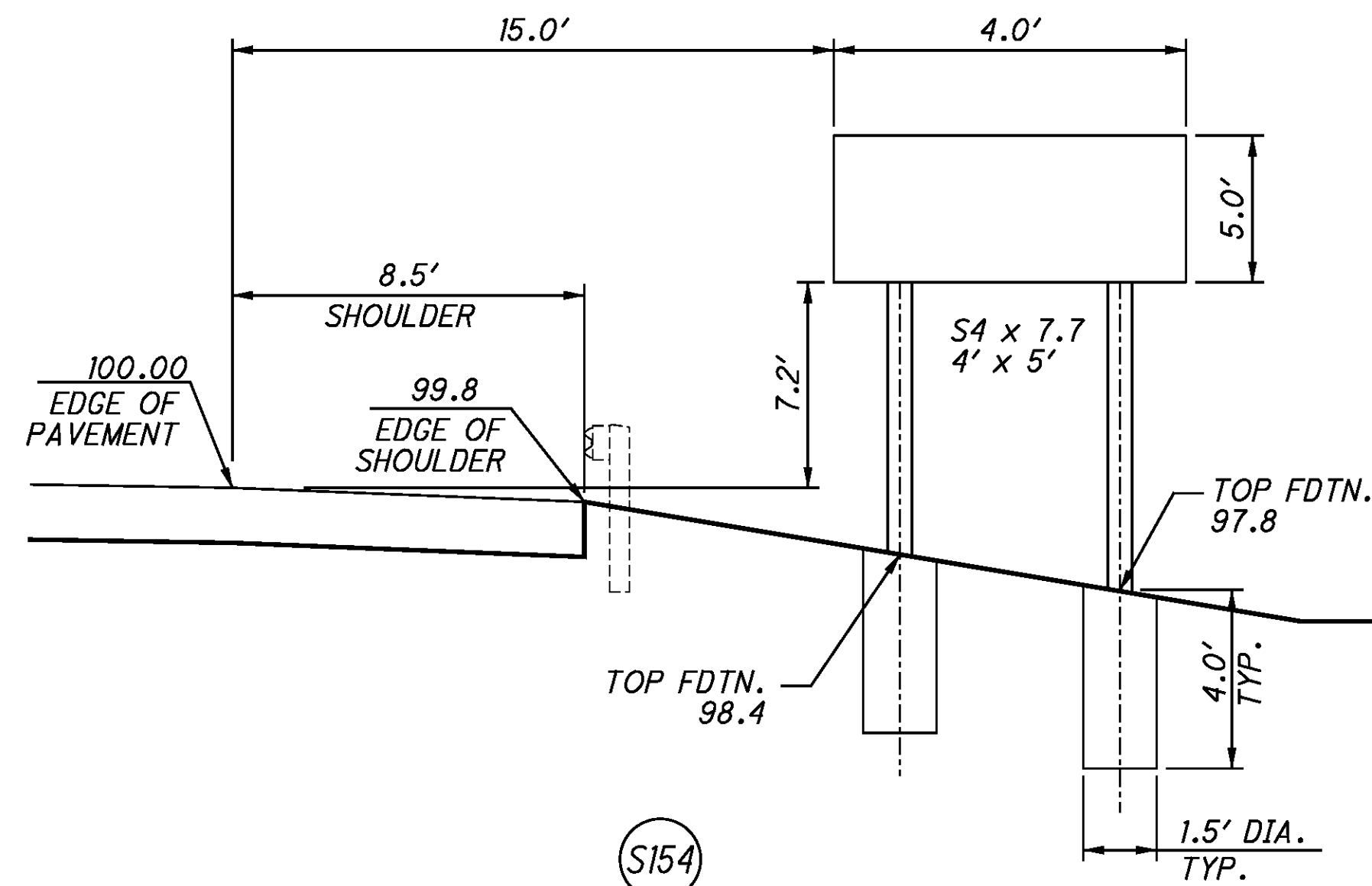
(S151)

(S152)

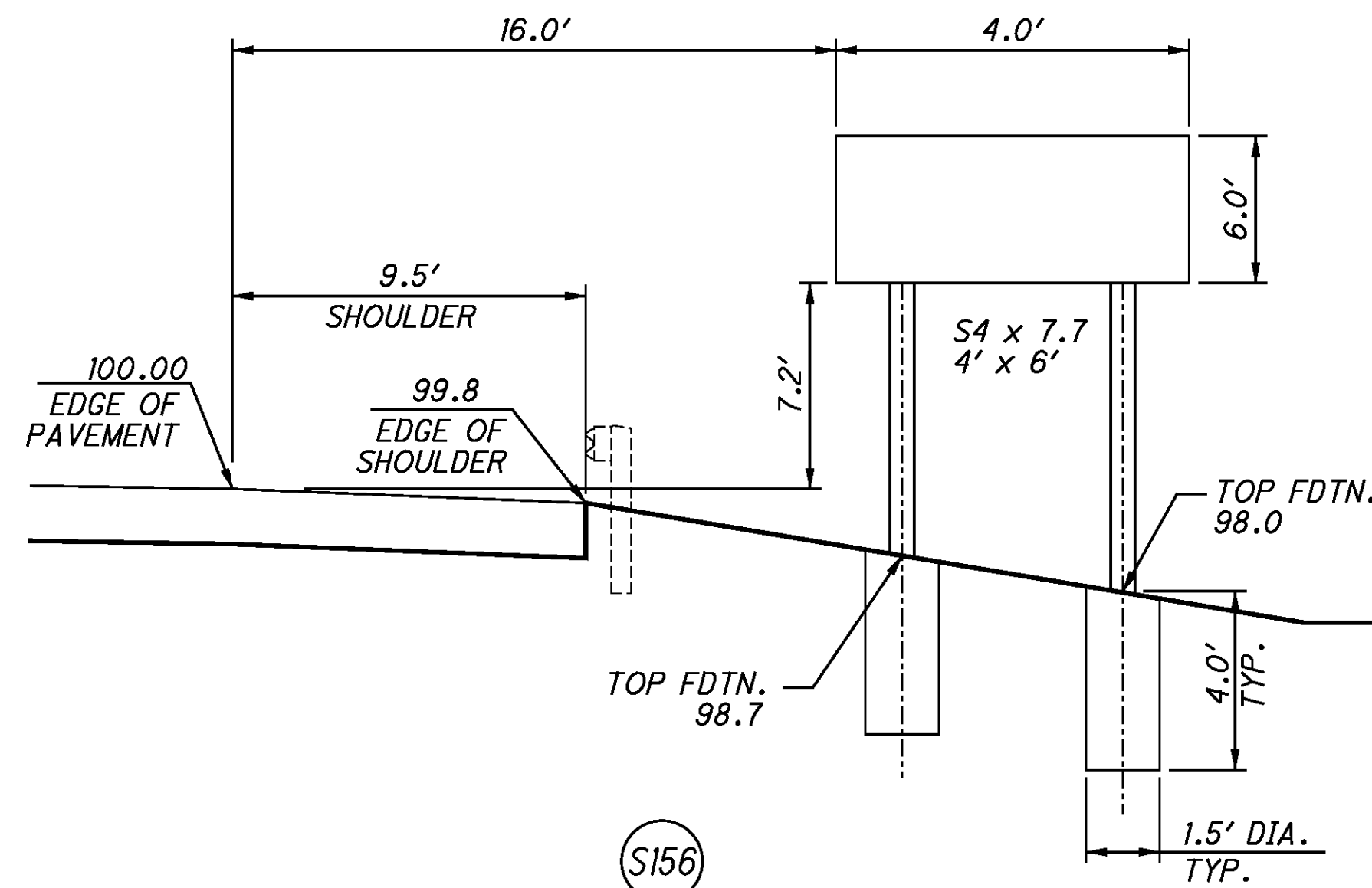
(S153)

$$\frac{76}{87}$$

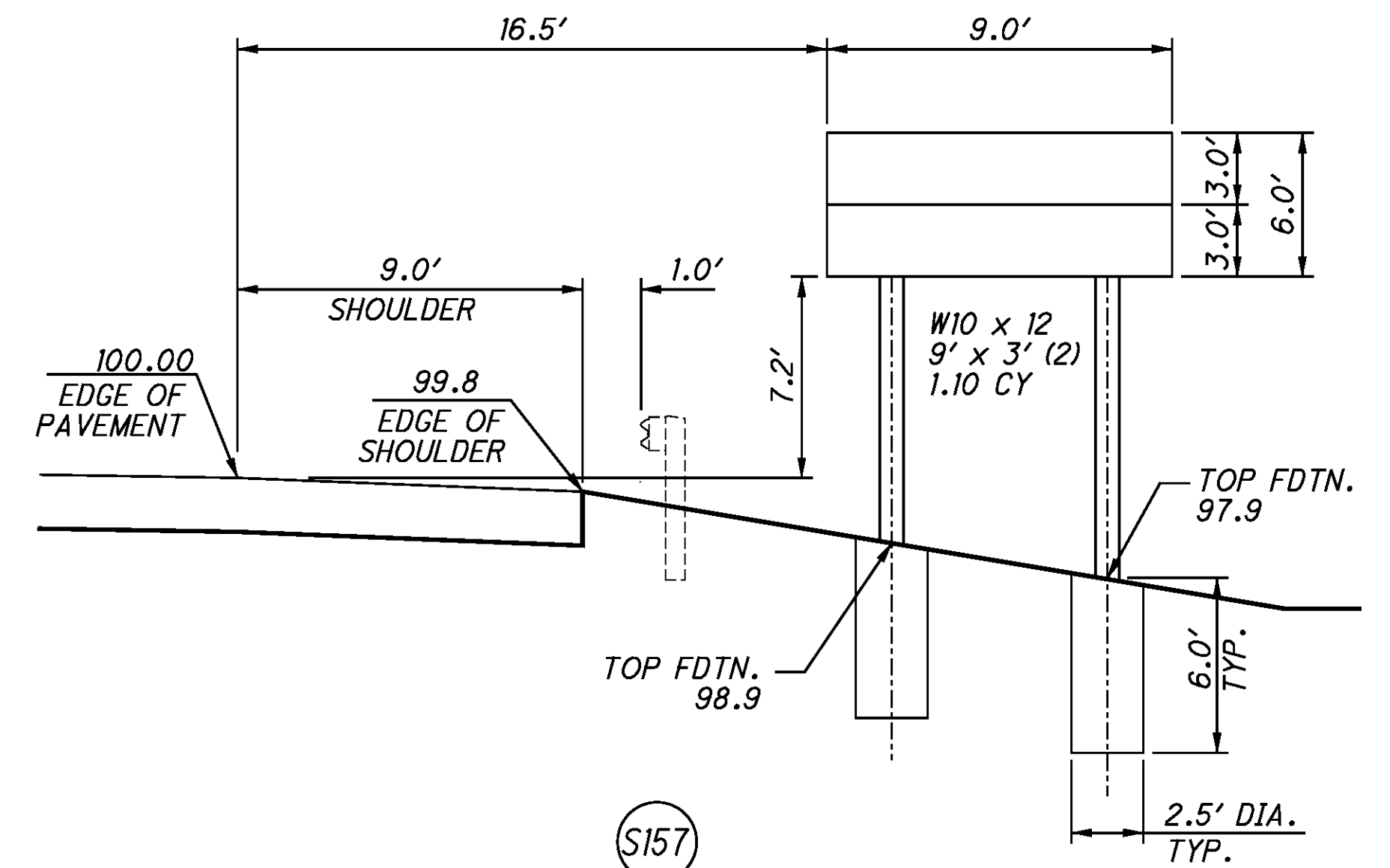
NOTE: OFFSETS ARE MEASURED FROM
EDGE OF PAVEMENT (TYP.).



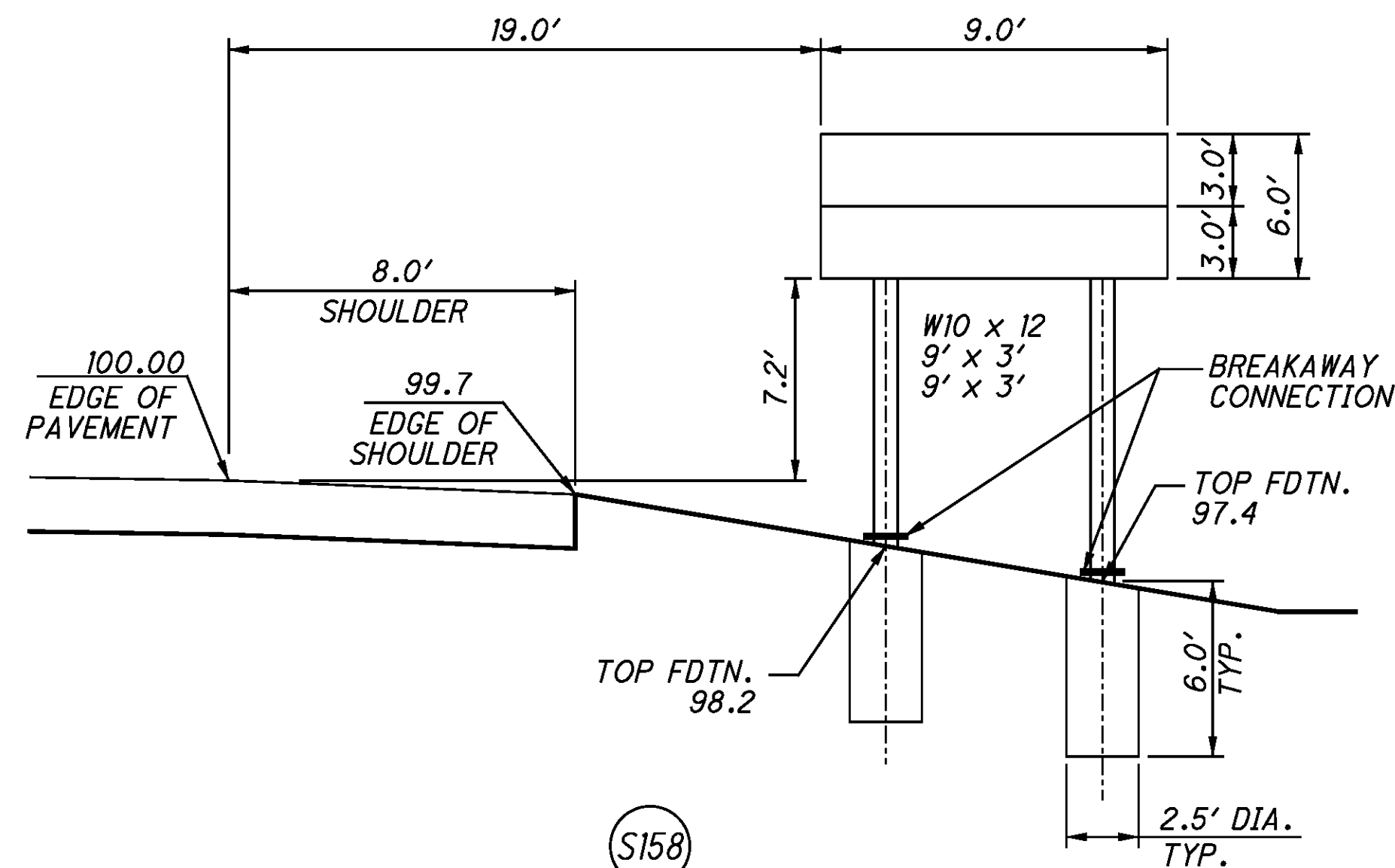
GROUND MOUNTED SIGN
YANKEE ST.
STA. 47+00, 15.0' LT.



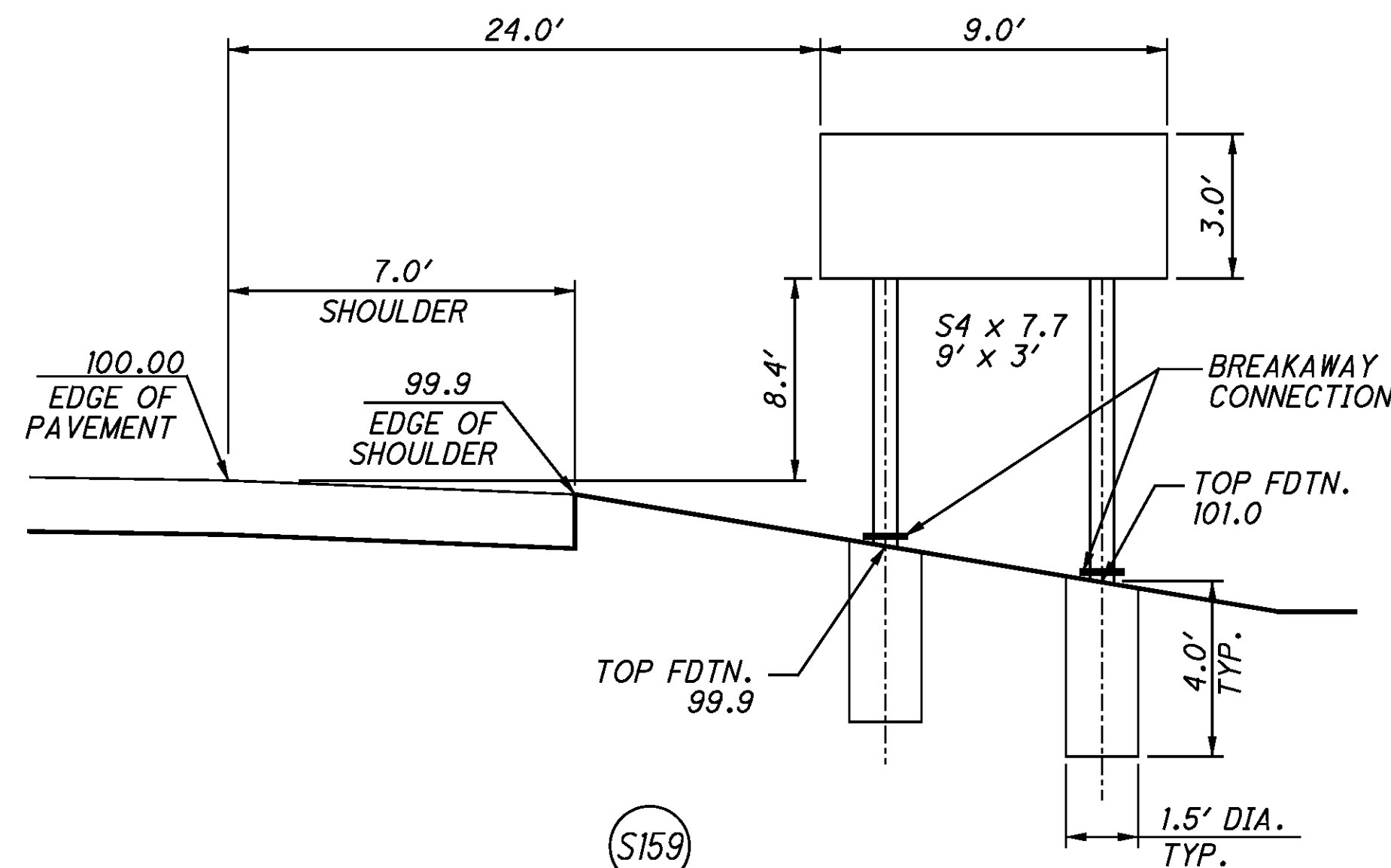
GROUND MOUNTED SIGN
YANKEE ST.
STA. 51+60, 16.0' LT.



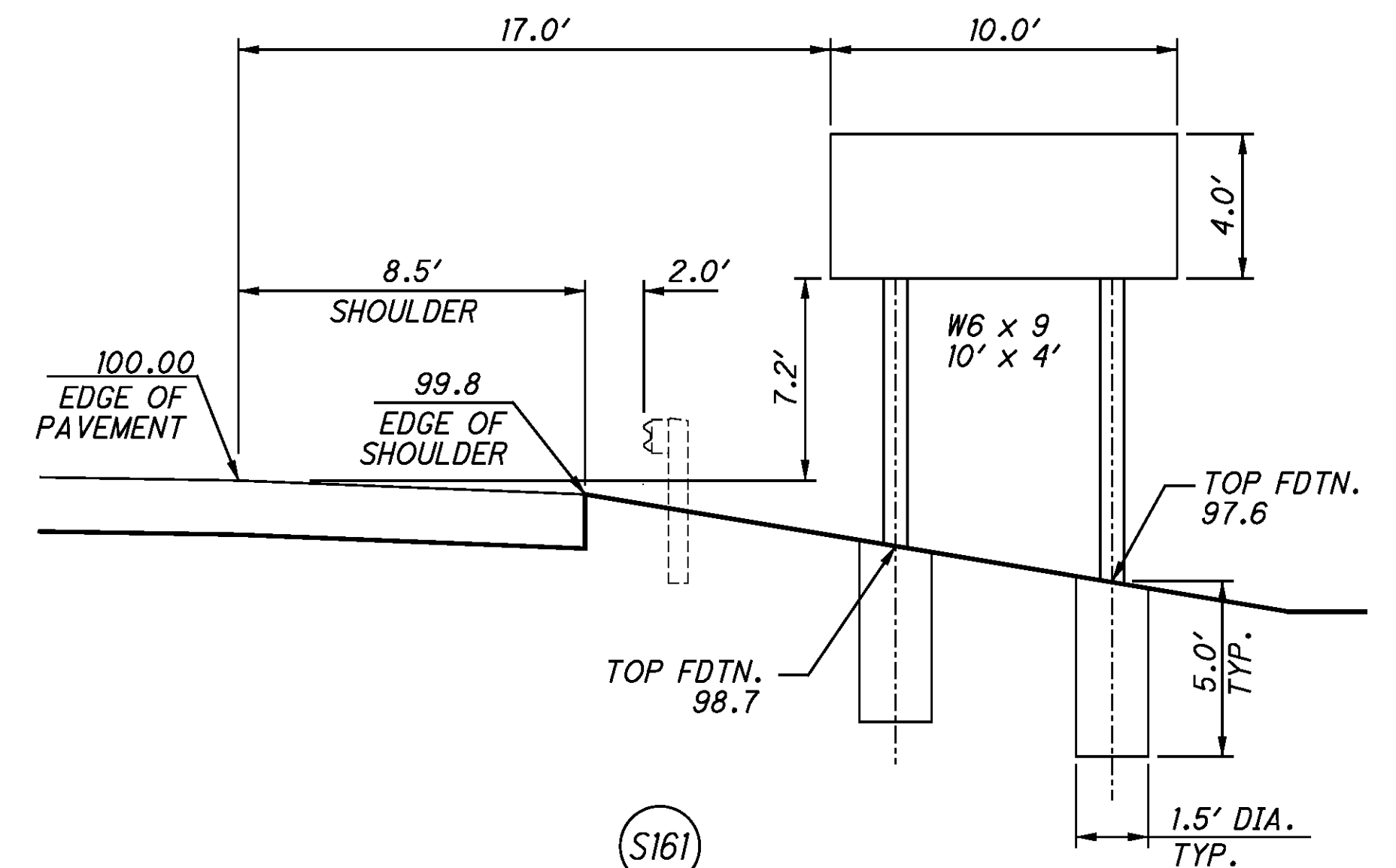
GROUND MOUNTED SIGN
YANKEE ST.
STA. 53+20, 16.5' LT.



GROUND MOUNTED SIGN
YANKEE ST.
STA. 56+00, 19.0' LT.

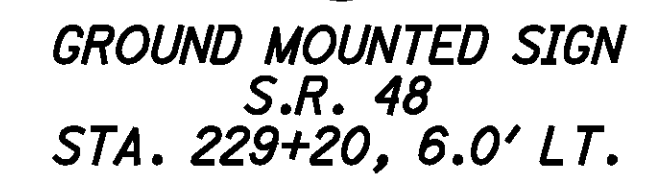
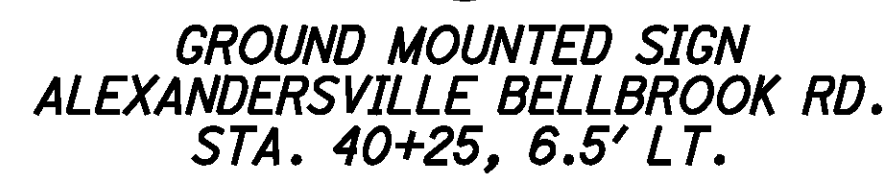
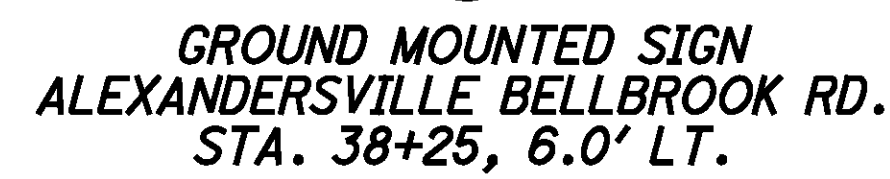
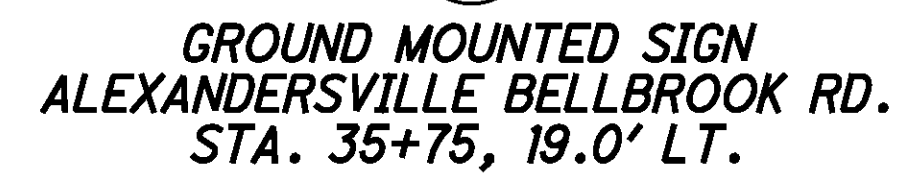
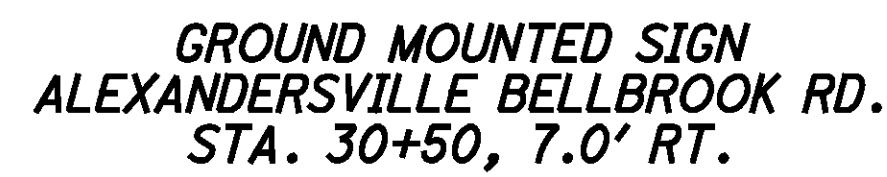
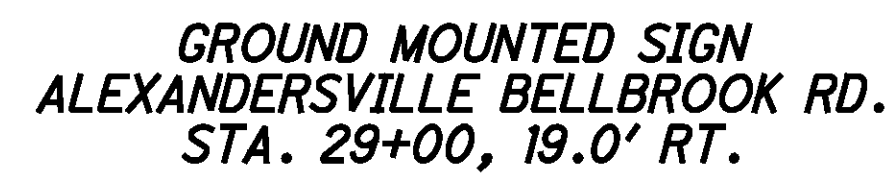


GROUND MOUNTED SIGN
ALEXANDERSVILLE BELLBROOK RD.
STA. 9+00, 24.0' RT.



GROUND MOUNTED SIGN
ALEXANDERSVILLE BELLBROOK RD.
STA. 26+75, 17.0' RT.

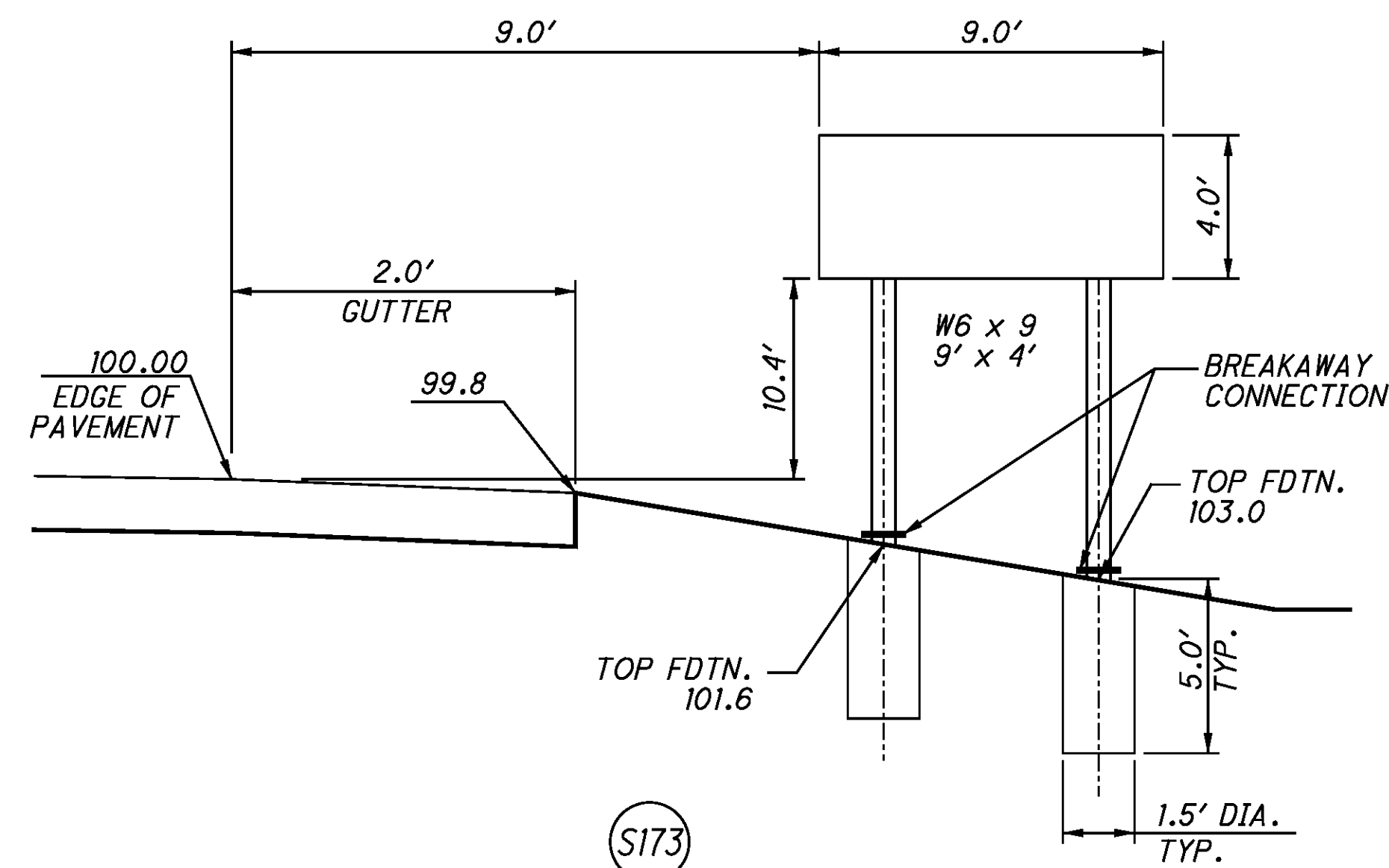
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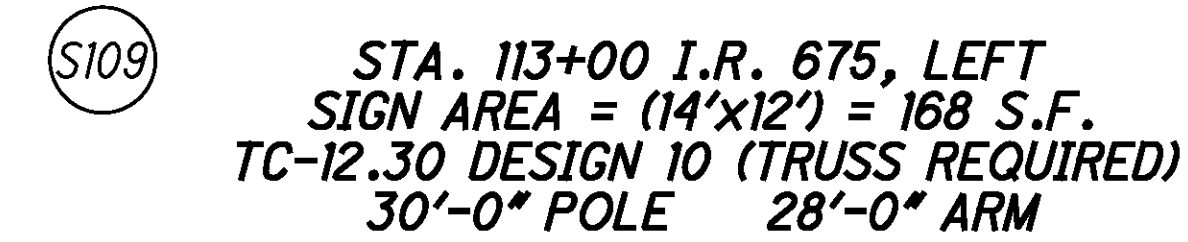
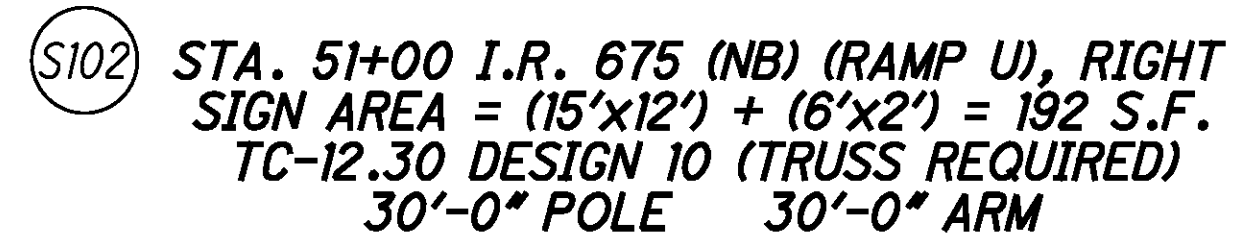
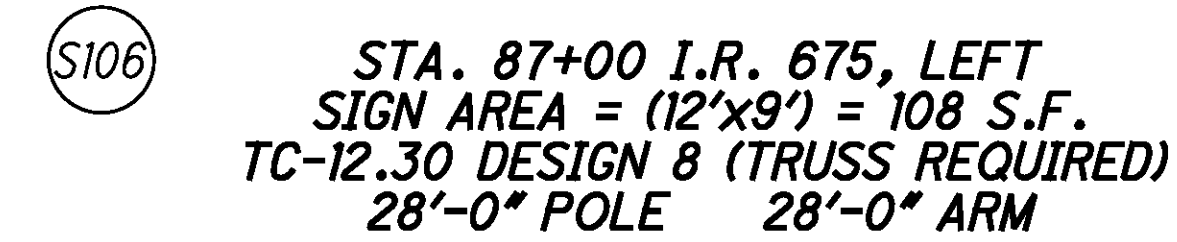
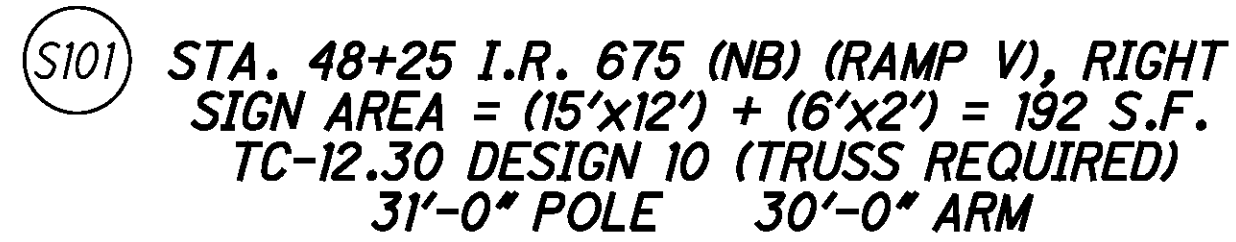
MOT/CLA GUIDE SIGN REPLACEMENT

78
87

NOTE: OFFSETS ARE MEASURED FROM
EDGE OF PAVEMENT (TYP.).



(S173)
GROUND MOUNTED SIGN
S.R. 48
STA. 248+00, 9.0' RT.



CALCULATED	CHECKED
EGD	CTW

SIGN REPLACEMENT

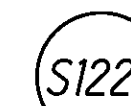


STA. 200+00 I.R. 675, RIGHT
SIGN AREA = (15'x12') + (10'x2') = 200 S.F.
TC-12.30 DESIGN 10 (TRUSS REQUIRED)
30'-0" POLE 30'-0" ARM

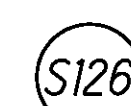
NOTE: CONTRACTOR TO REMOVE AND REINSTALL CAMERA MOUNTED ON POLE.



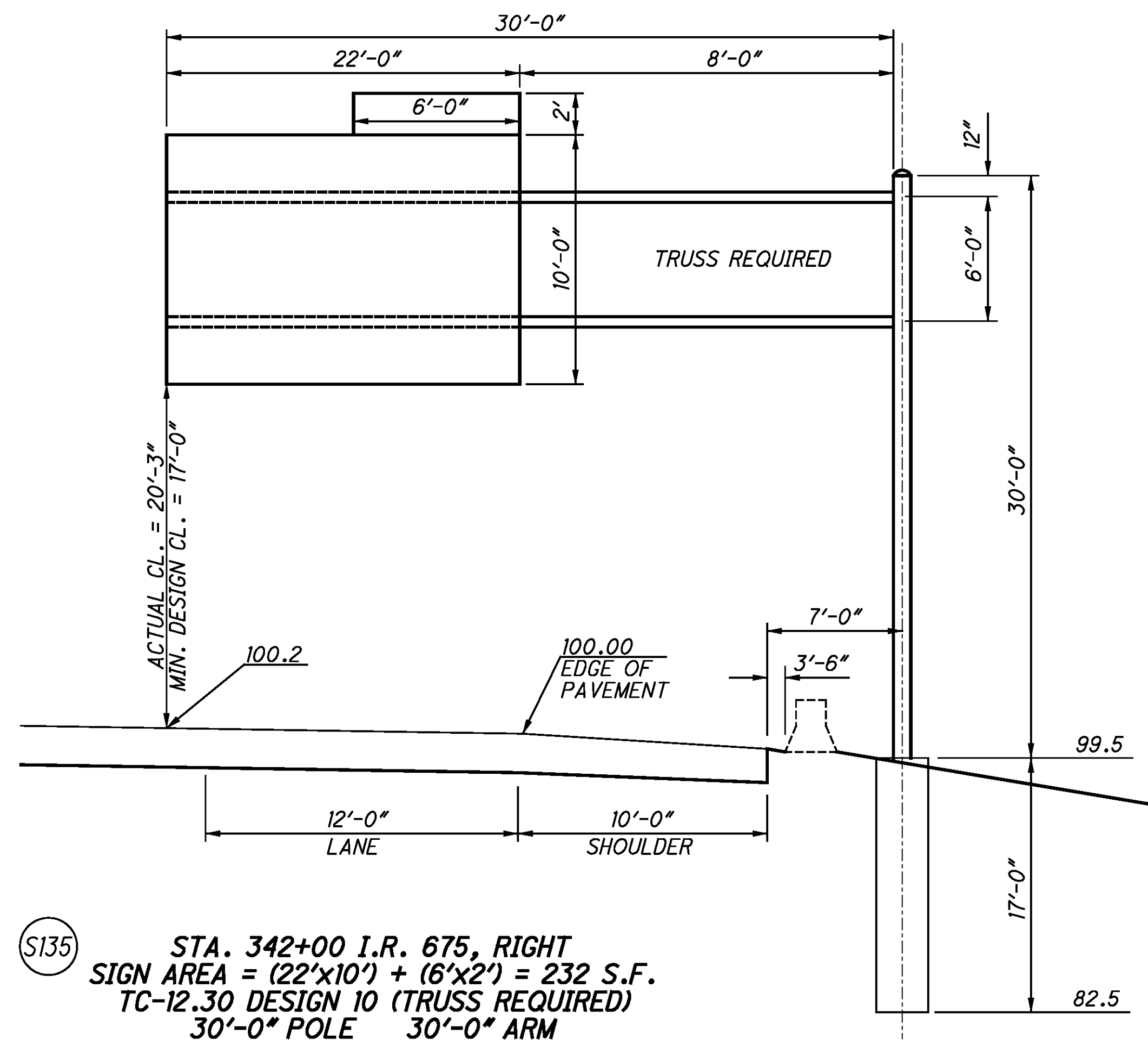
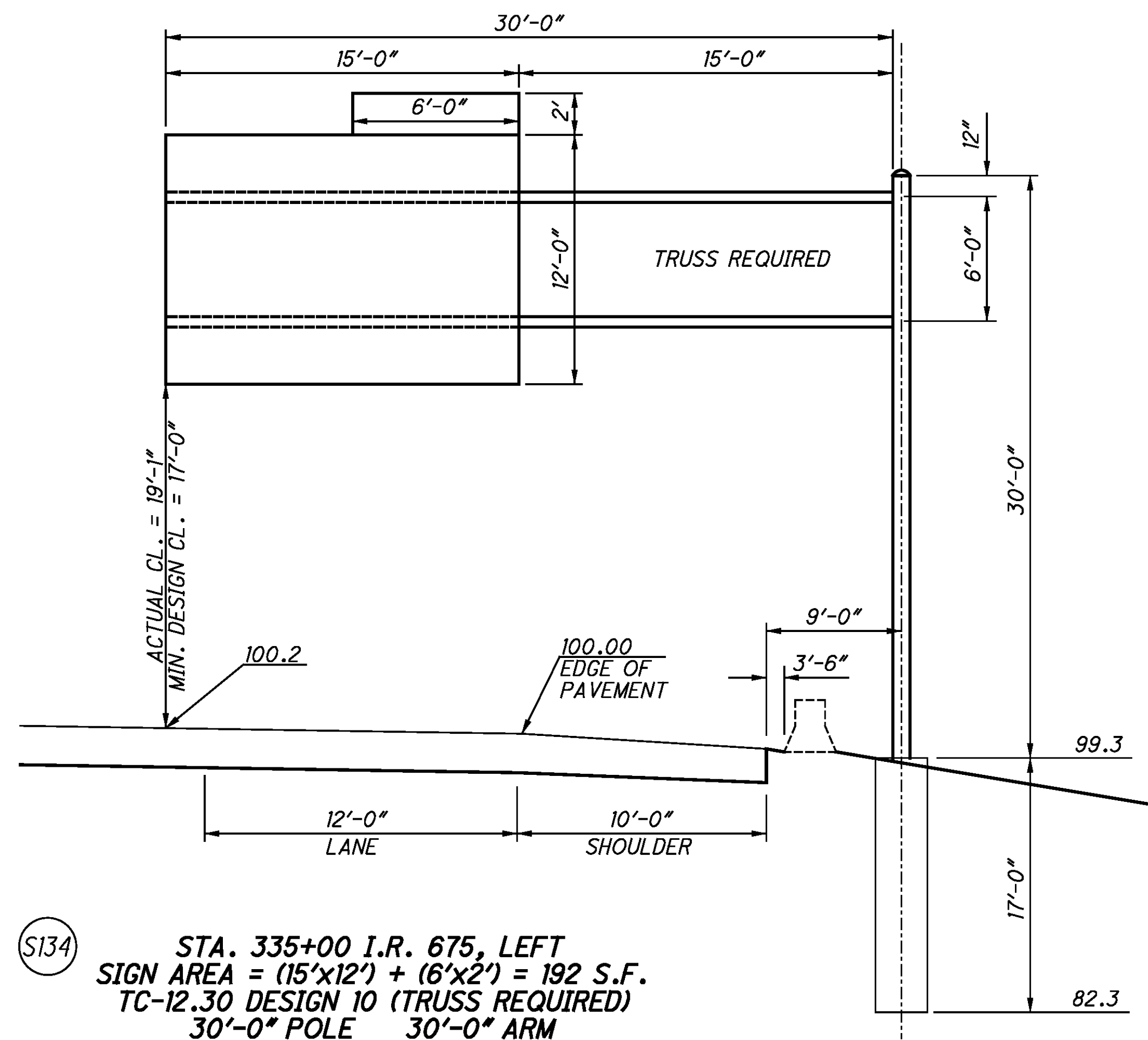
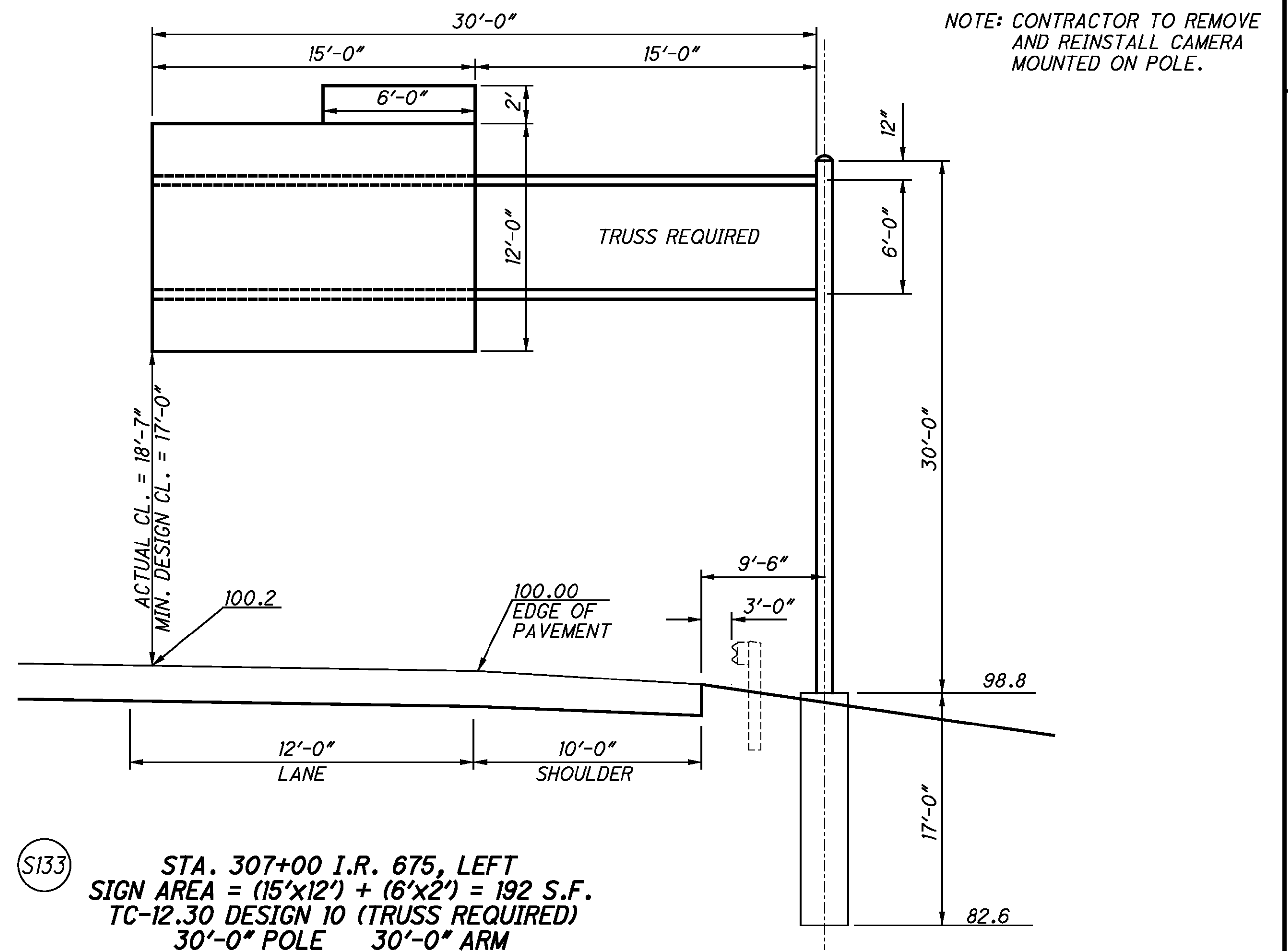
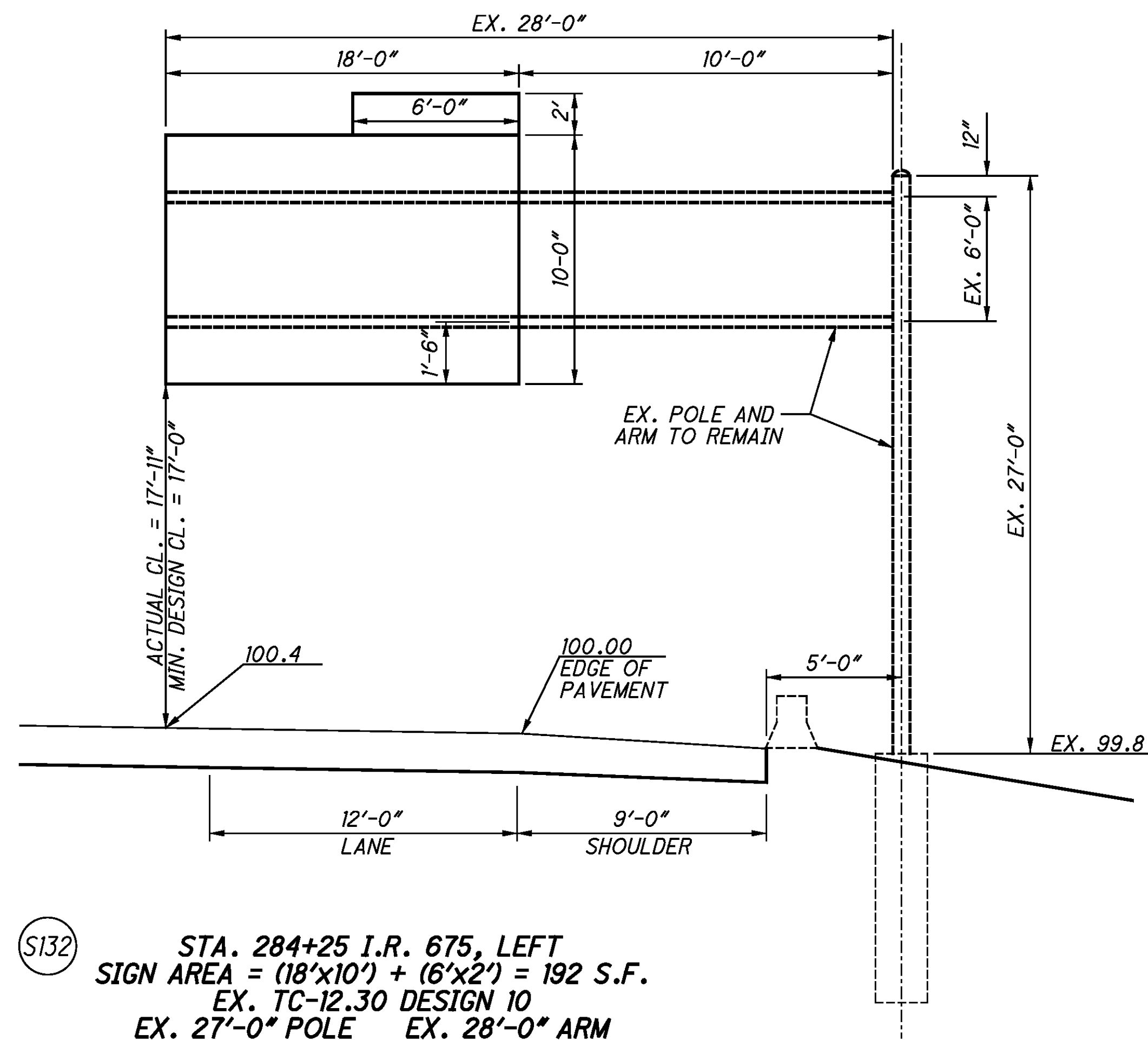
STA. 202+00 I.R. 675, LEFT
SIGN AREA = (15'x12') + (6'x2') = 192 S.F.
TC-12.30 DESIGN 10 (TRUSS REQUIRED)
30'-0" POLE 30'-0" ARM

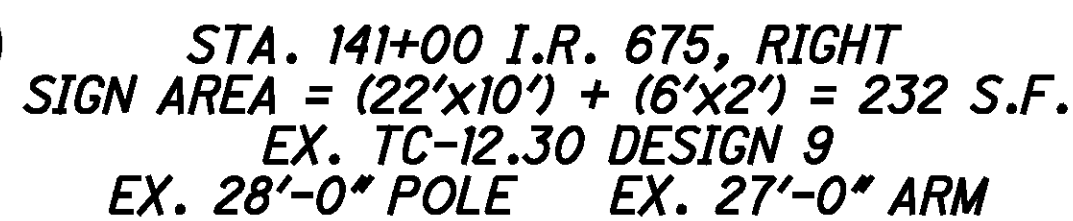
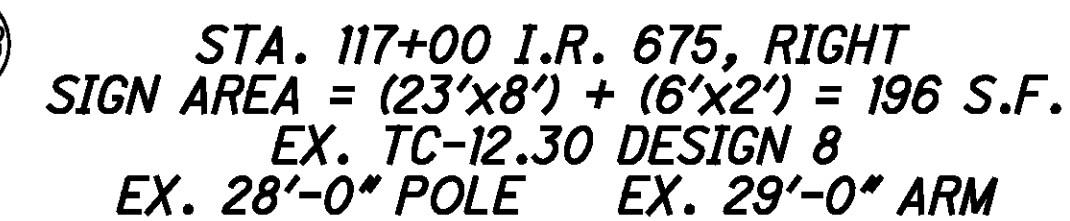
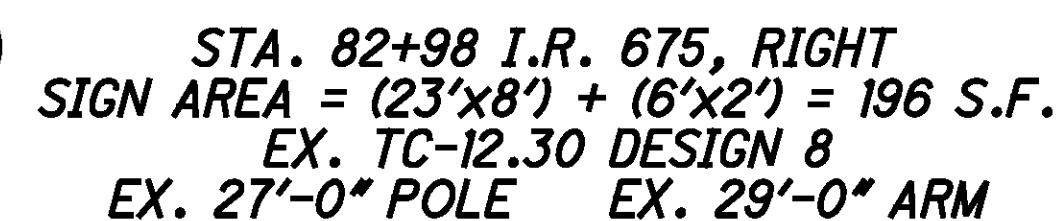
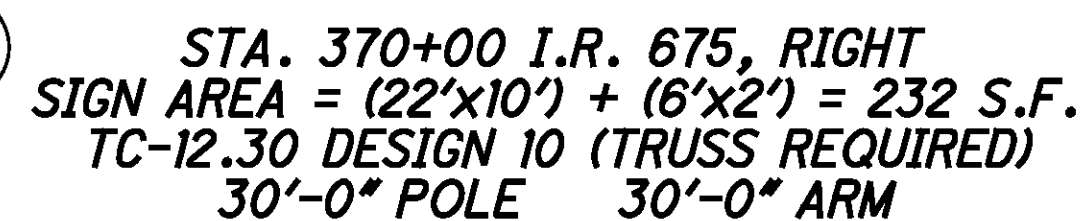


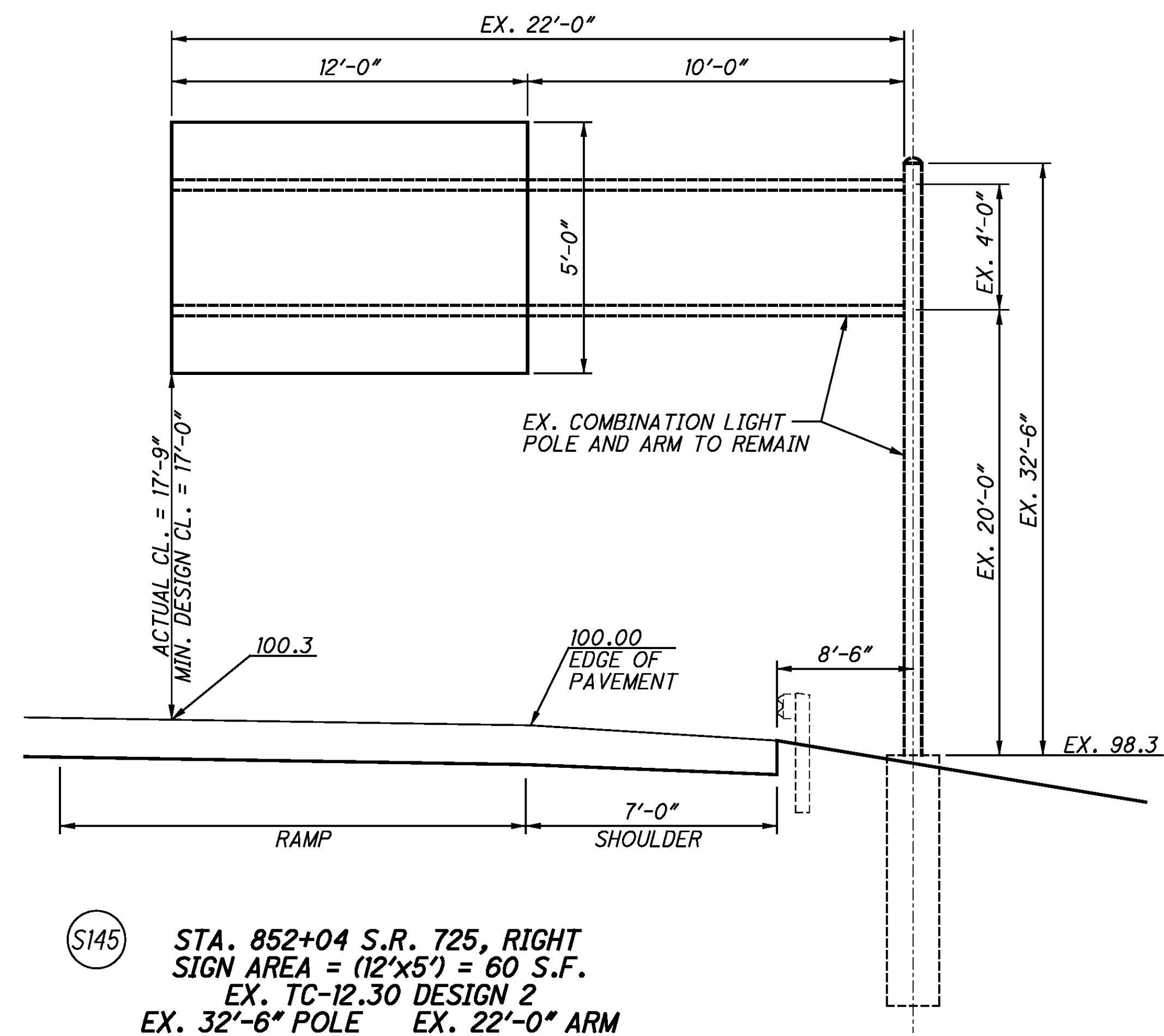
STA. 212+00 I.R. 675, RIGHT
SIGN AREA = $(15' \times 9') + (7' \times 2') = 149 \text{ S.F.}$
TC-12.30 DESIGN 8 (TRUSS REQUIRED)
28'-0" POLE 28'-0" ARM



STA. 261+45 I.R. 675, RIGHT
SIGN AREA = (16'x8') + (7'x2') = 142 S.F.
EX. TC-12.30 DESIGN 8
EX. 26'-0" POLE EX. 28'-0" ARM







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