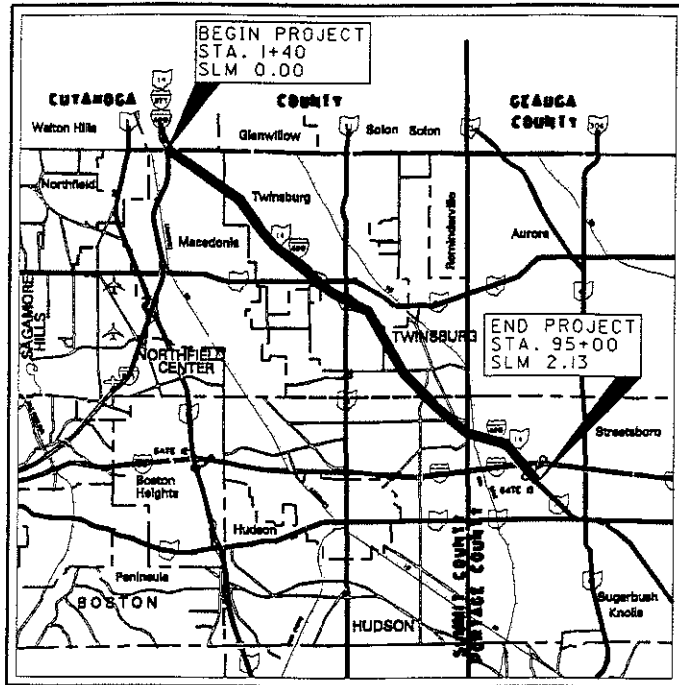


mhuish@04CD0252500 - glm - Friday October 11 2002 01:46:09 PM EDT



LOCATION MAP

LATITUDE: N41°18'20" LONGITUDE: W81°26'30"

SCALE IN MILES



SUM - IR 480 - 0.00/0.00
 030041 PID - 24146
 Dist 4 1/8/2003

DESIGN EXCEPTIONS

NONE

UNDERGROUND UTILITIES
 TWO WORKING DAYS
BEFORE YOU DIG
 CALL 1-800-362-2764 (TOLL FREE)
 OHIO UTILITIES PROTECTION SERVICE
 NON-MEMBERS
 MUST BE CALLED DIRECTLY

PLAN PREPARED BY:

District	
Four	
Production	

ENGINEERS SEAL:



SIGNED: *Lisa A. Jaynes*
 DATE: 10-11-02

STATE OF OHIO
 DEPARTMENT OF TRANSPORTATION

SUM-480-0.00
POR-480-0.00

CITY OF HUDSON
CITY OF MACEDONIA
CITY OF STREETSBORO
CITY OF TWINSBURG
TWINSBURG TOWNSHIP
SUMMIT AND PORTAGE COUNTIES

INDEX OF SHEETS:

TITLE SHEET	1
GENERAL NOTES	2-4
GENERAL SUMMARY	5
SIGNING SUBSUMMARIES	6-24
SIGN LIGHTING SUBSUMMARY	26
SIGNING PLAN SHEETS	27-52
CROSS SECTIONS	53-68, 68a, 68b
REFERENCE MARKER SUBSUMMARY	69
REFERENCE MARKER DETAILS	70-75
SHEETS NOT USED	14, 25

PROJECT DESCRIPTION

UPGRADING OF SIGNS ON THE MAINLINE, THE RAMPS AND APPROACH SIGNING ON THE SIDE STREETS. THE PROJECT IS FROM CUYHOGA COUNTY LINE TO SR 14, INCLUDING THE LEAD-IN SIGNS ALONG SR 14.

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.

2002 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.

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

STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS
TC-7.65	01/19/01	TC-41.50	01/19/01	MT-35.10	04/20/01	GR-1.1M	10/21/97	
TC-12.30	01/19/01	TC-42.10	01/19/01	MT-95.30	04/19/02	GR-2.1M	04/14/98	
TC-18.26	01/18/02	TC-42.20	04/20/01	MT-95.31	04/19/02			
TC-21.10	01/19/01	TC-51.11	04/20/01	MT-97.10	04/19/02			
TC-21.20	01/19/01	TC-51.12	04/20/01	MT-105.10M	04/25/94			
				MT-105.11M	04/25/94			
TC-21.40	01/18/02	TC-52.10	04/20/01					
TC-22.10	01/19/01	TC-52.20	04/20/01					
TC-22.20	01/19/01							
TC-31.21	04/20/01							
TC-32.10	04/19/02							
TC-32.11	10/19/01							
TC-41.10	01/19/01							
TC-41.20	01/19/01							
TC-41.40	01/18/02							

APPROVED: *[Signature]*
 DATE 10-11-02 DISTRICT DEPUTY DIRECTOR

APPROVED: *[Signature]*
 DATE 10-23-02 DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO. NON-FEDERAL
 PID NO. 24146
 CONSTRUCTION PROJECT NO.
 RAILROAD INVOLVEMENT NONE
 SUM / POR - 480 - 0.00
 75

hkoplick@D04C00234117 - ulfr1.m - Friday, October 11, 2002 12:46:48 PM EDT

UTILITIES NOTIFICATION

BECAUSE OF THE NATURE OF THIS PROJECT, THE CONTRACTOR SHALL USE THE FOLLOWING PROCEDURE AT EACH LOCATION WHERE WORK IS PERFORMED, IN ACCORDANCE WITH SECTIONS 105.06 AND 107.17 IN THE CONSTRUCTION SPECIFICATIONS:

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE OHIO UTILITIES PROTECTION SERVICE [OUPS], THE OIL AND GAS PRODUCERS UNDERGROUND PROTECTION SERVICE [OGPUPS], NON-MEMBER UTILITY OWNERS AND THE OHIO DEPARTMENT OF TRANSPORTATION [ODOT] DISTRICT 4 HEADQUARTERS AT LEAST TWO [2] WORKING DAYS PRIOR TO BEGINNING WORK AT ANY LOCATION.

- OUPS: 1-800-362-2764 [CONTACT NON-MEMBERS DIRECTLY]
- OGPUPS: 1-800-925-0988
- ODOT, DISTRICT 4: 330-297-0801 EXT 305

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE NOT SHOWN ON THE PLANS, BUT CAN BE OBTAINED FROM THE OWNERS OF THE UTILITIES.

ADELPHIA CABLE
14300 SOUTH INDUSTRIAL AVE
MAPLE HEIGHTS, OH 44137
ATTN: PAUL SILVESTRO
216-663-4004

MCI WORLDCOM
INVESTIGATIONS DEPT 2855/642
2250 LAKESIDE BLVD
RICHARDSON, TX 75082
ATTN: HEATH SHARP
972-656-5785

ADELPHIA CABLE
8385 BAVARIA ROAD
MACEDONIA, OH 44056
ATTN: RON RIHA
330-963-3620, EXT 132

MOORE WELL SERVICE
P.O. BOX 1399
837 ALLEN ROAD
STOW, OH 44224
ATTN: BOB MOORE
330-650-4443

AMERITECH
13630 LORAIN AVE, 4TH FLOOR
CLEVELAND, OH 44111
ATTN: ERIC JOHNSTON
216-476-6141

NORTHERN INDUSTRIAL
AKA UTILITY PIPELINE LIMITED
5900 MAYFAIR ROAD NW
NORTH CANTON, OH 44720
ATTN: ROBERT WENTZELL
330-498-9130

AT&T
229 W. 7TH ST, 10TH FLOOR
CINCINNATI, OH 45202
ATTN: JEFF BALLINGER
513-784-3238

ODOT - DISTRICT 4
705 OAKWOOD STREET
RAVENNA, OHIO 44266
ATTN: KEN GREENE
330-297-0801, EXT 305

BUCKEYE PIPELINE COMPANY
4911 EAST HIGH STREET
P.O. BOX 542
MANTUA, OH 44255
ATTN: RENEE HANSEN
330-274-2234

OHIO EDISON
1910 WEST MARKET STREET
BUILDING NO. 1
AKRON, OH 44313
ATTN: STEVE VANCHOFF
330-384-4750

CLEVELAND WATER
1201 LAKESIDE AVE
CLEVELAND, OH 44114
ATTN: GUY SINGER
216-664-2444, EXT 5555

THE OHIO TURNPIKE COMMISSION
682 PROSPECT ST
BEREA, OH 44017
ATTN: KERRY FERRIER
440-234-2081

CUTTER OIL COMPANY
9270 CEDAR VALLEY ROAD
WEST SALEM, OH 44287
ATTN: CHARLES CUTTER
419-846-3850

OIL & GAS SOLUTIONS LIMITED
711 WINKLER DRIVE, SUITE A
WOOSTER, OH 44691
ATTN: CONNIE LAWRENCE
330-345-3172

DOMINION EAST OHIO
1000 W. WILBETH RD
AKRON, OH 44314
ATTN: GEORGE TURNER
330-798-7104

QUEST COMMUNICATIONS
10645 WILLIAMS ROAD
WEST SALEM, OH 44287-9207
ATTN: CLIFF CALDWELL
330-948-1884

DOMINION EAST OHIO
1201 EAST 56TH ST
CLEVELAND, OH 44103-1028
ATTN: JULIE PISCHULLA
216-736-6720

QUEST LCI INTERNATIONAL
2770 LEXINGTON AVENUE
MANSFIELD, OH 44904
ATTN: JAY BORAIAH
419-884-0400

DOMINION TELECOM
4355 INNSLAKE DRIVE
GLEN ALLEN, VA
ATTN: DALE FORTNER
804-565-7574

CITY OF STREETSBORO
9184 STATE ROUTE 43
STREETSBORO, OH 44241
ATTN: BILL RUDLOSKY
330-626-4942

UTILITIES NOTIFICATION (CONTINUED)

SUMMIT COUNTY DEPARTMENT
OF ENVIRONMENTAL SERVICES
2525 STATE ROAD
CUYAHOGA FALLS, OH 44223
ATTN: ED SHONDELL
330-926-2493

TIME WARNER CABLE
1655 BRITAIN ROAD
AKRON, OH 44310
ATTN: JEFF ROLAND
330-633-9203, EXT. 7938

SUN PIPELINE COMPANY
10 PENN CENTER, 26TH FLOOR
ENGINEERING DEPARTMENT
PHILADELPHIA, PA 19103-1699
ATTN: BRIAN AUGUST
215-977-3499

WESTERN RESERVE TELEPHONE
(ALLTEL)
50 EXECUTIVE PARKWAY
HUDSON, OH 44236
ATTN: JEFF GUYLAS
330-650-7635

ITEM 630 MAINLINE REFERENCE MARKERS

REFERENCE MARKERS SHALL BE LOCATED AND INSTALLED AS INDICATED ON THESE PLANS. THE DEFAULT INSTALLATION SHALL BE AT 2/10THS OF A MILE INCREMENTS (0.2,4,6,8).

THE CONTRACTOR SHALL LAYOUT ALL REFERENCE MARKER LOCATIONS TO ASSURE PROPER PLACEMENT. THE LAYOUT SHALL BE APPROVED BY THE ENGINEER BEFORE INSTALLATIONS ARE STARTED.

THE WHOLE DIGIT REFERENCE MARKERS, E.G. 16.0, SHALL BE PLACED AT THE SAME STATION AS THE MILE MARKER.

MAINLINE REFERENCE MARKERS SHALL BE INSTALLED IN MEDIAN AS INDICATED ON SHEET 73. ON RAMPS, THE REFERENCE MARKERS SHALL BE INSTALLED ON THE RIGHT SIDE. FOR DIRECTIONAL MAINLINE SEGMENTS, THE MARKER SHALL BE PLACED ON THE LEFT SIDE.

MAINLINE REFERENCE MARKERS SHALL BE EITHER BACK-TO-BACK OR DUAL MOUNTED. BACK-TO-BACK BEING 2 SIGNS ON 1 SUPPORT AND DUAL MOUNTED BEING 2 SIGNS ON 2 SUPPORTS (1 SIGN ON 1 SUPPORT).

THE HEIGHT OF THE REFERENCE MARKERS SHALL BE SUCH THAT A UNIFORM APPEARANCE IS PRESENTED TO THE MOTORIST.

WHEN A REFERENCE MARKER IS OBSTRUCTED BY A SIGN TRUSS, BRIDGE, PIER OR THE LIKE, THE REFERENCE MARKER SHALL BE RELOCATED ±50 FEET FROM THE LAYOUT LOCATION OR NOT INSTALLED WITH THE APPROVAL OF THE ENGINEER.

IF ANY MILE MARKERS ARE MISSING, A PRECISE LOCATION WILL BE PROVIDED BY THE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 30 DAYS IN ADVANCE OF THE PLANNED REFERENCE MARKER INSTALLATION. THE ENGINEER WILL CONTACT THE OFFICE OF TECHNICAL SERVICES WHICH WILL LOCATE THE LONGITUDINAL POSITION OF MISSING MILE MARKERS BY MEANS OF A POINT MARK ON THE PAVEMENT EDGE.

PAYMENT SHALL BE MADE AT THE UNIT BID PRICE PER EACH FOR 630 MAINLINE REFERENCE MARKER AND SHALL INCLUDE ALL LABOR AND MATERIAL FOR INSTALLATION. THE SUMMARY TOTAL IS FOR ESTIMATING ONLY. PAYMENT WILL BE FOR THE ACTUAL NUMBER INSTALLED.

ITEM 630 RAMP REFERENCE MARKERS

ANY RAMP LESS THAN 1056 FEET IN LENGTH SHALL HAVE ONLY ONE RAMP REFERENCE MARKER PLACED AT THE MIDPOINT OF THE LENGTH OF THE RAMP. ANY RAMP OVER 1056 FEET IN LENGTH SHALL HAVE TWO RAMP MARKERS. THE FIRST RAMP MARKER SHALL, WHEN POSSIBLE, BE PLACED 500 FEET DOWNSTREAM FROM THE BEGINNING OF THE RAMP. THE SECOND RAMP MARKER SHALL BE PLACED 500 FEET UPSTREAM FROM THE BEGINNING OF THE RAMP. FOR SYSTEM-TO-SYSTEM INTERCHANGES WHEN RAMPS MAY SPLIT BEYOND THE MAINLINE, OR COLLECT BEFORE THE MAINLINE, A RAMP MARKER SHALL BE PLACED AT THE MIDPOINT OF THE DISTANCE BETWEEN THE MAINLINE AND THE RAMP SPLIT. ALL RAMP MARKERS SHALL BE PLACED ON THE RIGHT.

ADJUSTMENTS MAY BE MADE FOR BRIDGES AND OTHER OBSTRUCTIONS. AT THE DISCRETION OF THE ENGINEER, ADDITIONAL RAMP MARKERS MAY BE PLACED DUE TO RAMP LENGTH AND SIGHT DISTANCE CONDITIONS.

FINAL ADJUSTMENTS AND DETERMINATION OF NEED SHALL BE AT THE DISCRETION OF THE ENGINEER.

FOR INTERSTATE ROUTE REFERENCES ON RAMP MARKERS THE NUMERICAL DESIGNATION ONLY SHALL BE USED IN THE DESCRIPTION. FOR US AND STATE ROUTES, THE PREFIXES OF "US" AND "SR", AS APPROPRIATE, SHALL BE USED WITH THE NUMERICAL ROUTE DESIGNATION. THE DIRECTIONAL ORDINATE (N, S, E, W) SHALL PRECEDE THE ROUTE DESIGNATION.

PAYMENT SHALL BE MADE AT THE UNIT BID PRICE PER EACH FOR 630 RAMP REFERENCE MARKER AND SHALL INCLUDE ALL LABOR AND MATERIAL FOR INSTALLATION. THE SUMMARY TOTAL IS FOR ESTIMATING ONLY. PAYMENT WILL BE FOR THE ACTUAL NUMBER INSTALLED.

ITEM 630 CONCRETE MEDIAN BARRIER SIGN BRACKET

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING THE CONCRETE MEDIAN BARRIER SIGN BRACKET DETAILED ON SHEET 10.

PAYMENT SHALL BE AT THE UNIT PRICE BID PER EACH FOR 630 CONCRETE MEDIAN BARRIER SIGN BRACKET. THIS PRICE WILL BE FULL COMPENSATION FOR ALL NECESSARY MATERIALS (INCLUDING THE POST), LABOR, TOOLS, EQUIPMENT AND OTHER INCIDENTALS NECESSARY FOR EACH BRACKET FURNISHED, IN PLACE, COMPLETE AND ACCEPTED.

CALCULATED
TAK
CHECKED

GENERAL NOTES

SUM / POR - 480 - 0.00

2
75

kopitch@D04C00234117 - ulm1.m - Friday, October 11, 2002 01:00:21 PM EDT

MAINTAINING TRAFFIC

THIS ITEM SHALL CONSIST OF MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS AND RAMPS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION, THE SPECIFICATIONS AND THE FOLLOWING:

1. A MINIMUM OF ONE ELEVEN FOOT LANE IN EACH DIRECTION SHALL BE MAINTAINED ON THE EXISTING PAVEMENT DURING CONSTRUCTION OF THE WORK.
2. CONES SHALL NOT BE ACCEPTABLE TRAFFIC CONTROL DEVICES FOR LANE RESTRICTIONS OR LANE REDUCTIONS THAT ARE IN OPERATION ONE-HALF HOUR AFTER SUNSET OR ONE HALF-HOUR BEFORE SUNRISE. ALL NIGHTTIME LANE RESTRICTIONS SHALL REQUIRE DRUMS OR BARRICADES AT A MAXIMUM SPACING OF FIFTY (50) FEET.
3. THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN AND SUBSEQUENTLY REMOVE ALL FLAGS, BARRICADES, SIGNS, SIGN SUPPORTS AND FURNISH AND MAINTAIN ALL FLAGGERS, WATCHERS AND INCIDENTALS RELATED THERETO.
4. TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. LANE CLOSURES SHALL BE ACCORDING TO THE DISTRICT 4 PERMITTED LANE CLOSURE CHART (SEE NOTE) AND APPROVED BY THE ENGINEER.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR

IN ADDITION TO THE REQUIREMENTS OF 614 AND THE LATEST EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), A UNIFORMED LAW ENFORCEMENT OFFICER AND OFFICIAL PATROL CAR WITH WORKING TOP MOUNTED EMERGENCY FLASHING LIGHTS SHALL BE PROVIDED FOR CONTROLLING TRAFFIC FOR THE FOLLOWING 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.

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

LAW ENFORCEMENT OFFICERS (LEO'S) SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED. THE LEO'S ARE CONSIDERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH THEY ARE EMPLOYED BY THE CONTRACTOR, THE PROJECT ENGINEER SHALL HAVE CONTROL OVER THEIR PLACEMENT. THE OFFICIAL CAR SHALL BE A PUBLIC SAFETY VEHICLE AS REQUIRED BY THE OHIO REVISED CODE.

THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THESE SERVICES WITH:

OHIO HIGHWAY PATROL
6259 STATE ROUTE 14
RAVENNA, OH 44266
330-297-1441

IF AFTER CONTACTING THE OHIO HIGHWAY PATROL, IT IS DETERMINED THAT THEY CANNOT SUPPLY THE LEO, THEN AN AUTHORIZED MUNICIPAL OR COUNTY POLICE OFFICER WITH A MARKED AND FLASHER-LIGHT EQUIPPED OFFICIAL POLICE OR PATROL CAR SHALL BE PROVIDED.

LAW ENFORCEMENT OFFICERS (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. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR 120 HOURS

THE HOURS PAID SHALL INCLUDE MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

IF THE CONTRACTOR WISHES TO UTILIZE LEO'S FOR FLAGGING AND TRAFFIC CONTROL OTHER THAN FOR THAT REQUIRED IN THESE PLANS, THEY MAY DO SO AT THEIR OWN EXPENSE. PAYMENT FOR THE EXCESS ABOVE CONTRACT REQUIREMENTS WILL BE INCLUDED UNDER ITEM 614 MAINTAINING TRAFFIC.

WEIGHTED CHANNELIZERS

THE WEIGHTED CHANNELIZER SHALL BE PREDOMINATELY ORANGE IN COLOR AND SHALL BE MADE OF A LIGHTWEIGHT, FLEXIBLE, AND DEFORMABLE MATERIAL. THEY SHALL BE AT LEAST 42 INCHES IN HEIGHT WITH A WEIGHTED BASE. THEY MAY HAVE A "HANDLE" OR LIFTING DEVICE WHICH EXTENDS ABOVE THE 42" MINIMUM HEIGHT.

THE MARKINGS ON THE WEIGHTED CHANNELIZER SHALL BE HORIZONTAL, CIRCUMFERENTIAL, ALTERNATING ORANGE AND WHITE RETROREFLECTIVE STRIPES 6 INCHES WIDE. EACH WEIGHTED CHANNELIZER SHALL HAVE A MINIMUM OF TWO ORANGE AND TWO WHITE STRIPES. ANY NON-RETROREFLECTIVE SPACES BETWEEN THE HORIZONTAL ORANGE AND WHITE STRIPES SHALL NOT EXCEED 2 INCHES WIDE. THE WEIGHTED CHANNELIZER SHALL HAVE A 4-INCH MINIMUM WIDTH, REGARDLESS OF ORIENTATION.

ON FREEWAYS AND MULTILANE HIGHWAYS:

USE OF WEIGHTED CHANNELIZERS ON FREEWAYS AND MULTILANE HIGHWAYS SHALL BE LIMITED TO SHORT-TERM OPERATION, GENERALLY TWELVE HOURS OR LESS, FOR EITHER DAY OR NIGHT. UPON COMPLETION OF WORK WITHIN THE ABOVE NOTED TIME PERIOD, THE WEIGHTED CHANNELIZERS SHALL BE REMOVED. THE WEIGHTED CHANNELIZERS MAY AGAIN BE PLACED ON THE HIGHWAY WHEN THE WORK IS TO RESUME ON THE FOLLOWING DAY OR NIGHT. ANY LANE CLOSURE USING CHANNELIZATION DEVICES, EXPECTED TO REMAIN FOR MORE THAN TWELVE HOURS, SHALL REQUIRE THE USE OF DRUMS OR BARRIERS.

WHEN USED AT NIGHT, WEIGHTED CHANNELIZERS SHALL ONLY BE PLACED IN THE "TANGENT AREA". THE "TANGENT AREA" IS DEFINED AS THE AREA AFTER THE TRANSITION TAPER WHERE THE WORK TAKES PLACE. DRUMS SHALL BE USED IN THE TRANSITION TAPERS FOR NIGHT OPERATIONS.

ON OTHER HIGHWAYS:

THERE ARE NO DURATIONS OF WORK RESTRICTIONS FOR USE OF WEIGHTED CHANNELIZERS ON ALL OTHER TYPES OF HIGHWAYS, DAY OR NIGHT. ON THESE ROADWAYS THE WEIGHTED CHANNELIZER MAY BE USED IN THE TRANSITION TAPERS AS WELL AS IN THE TANGENT AREAS, DAY OR NIGHT.

MAXIMUM SPACING OF THE WEIGHTED CHANNELIZER SHALL BE 40 FEET.

STEPS SHOULD BE TAKEN TO ENSURE THAT THE WEIGHTED CHANNELIZERS WILL NOT BE BLOWN OVER OR DISPLACED BY WIND OR MOVING TRAFFIC. BALLASTS SHOULD NOT PRESENT A HAZARD IF THE WEIGHTED CHANNELIZERS ARE INADVERTENTLY STRUCK, NOR SHOULD THEY AFFECT THE VISIBILITY OF THE WEIGHTED CHANNELIZERS. ALL BALLASTS USED SHOULD BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

CONVERSION OF METRIC STANDARD DRAWINGS

THE METRIC STANDARD DRAWINGS REFERENCED IN THIS PLAN SHALL BE CONVERTED TO ENGLISH UNITS USING THE SI (METRIC) TO ENGLISH CONVERSION FACTORS PROVIDED IN SECTION 109.011 OF THE 1997 CONSTRUCTION AND MATERIALS SPECIFICATIONS. THE APPENDIX OF ASTM E380 SHALL BE FOR ANY ADDITIONAL CONVERSION FACTORS REQUIRED. CONVERSIONS SHALL BE APPROPRIATELY PRECISE AND SHALL REFLECT STANDARD INDUSTRY ENGLISH VALUES WHERE SUITABLE.

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

WORK LIMITS

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

SIGN PLACEMENT

THE EXACT LOCATION OF SIGNS ARE TO BE STAKED. THE LOCATIONS SHALL BE CHECKED BY THE ENGINEER PRIOR TO PLACEMENT TO INSURE CLEARANCE OF DRIVES, ROADWAYS AND OTHER OBSTACLES. IF THERE ARE ANY CONFLICTS, THEY ARE TO BE ADJUSTED BY THE ENGINEER.

W-68 SIGNS

ALL W-68 SIGNS WILL BE HINGED.

CO-OPERATION BETWEEN CONTRACTORS

THE CONTRACTOR SHALL BE ADVISED THAT OTHER PROJECTS MAY BE ONGOING IN AREAS IMMEDIATELY ADJACENT TO AND WITHIN THE PROJECT LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL SCHEDULE HIS WORK SO AS TO CAUSE A MINIMUM OF DELAY OR CONFLICT WITH THE OTHER PROJECTS, IN ACCORDANCE WITH 105.08. THE CONTRACTOR SHALL ARRANGE WITH THE OTHER CONTRACTORS, A MUTUALLY ACCEPTABLE WORK SCHEDULE, SUBJECT TO THE APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL RECEIVE DAILY APPROVAL FROM THE ENGINEER PRIOR TO COMMENCING ANY OPERATIONS. ANY CONFLICT BETWEEN CONTRACTORS INVOLVING WORK SCHEDULES, WORK AREA OR CO-OPERATION SHALL BE RESOLVED BY THE ENGINEER. COMPENSATION FOR THE ABOVE CO-OPERATION SHALL BE INCIDENTAL TO THE VARIOUS PAY ITEMS INCLUDED WITHIN THIS PROJECT.

PERMITTED LANE CLOSURE TIMES

NO LANE RESTRICTIONS, REDUCTIONS OR CLOSURES SHALL BE IN PLACE AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING TIMES:

PORTAGE COUNTY
I-480 MONDAY-FRIDAY 6AM TO 7PM

SUMMIT COUNTY
I-480 MONDAY-FRIDAY 6AM TO 7PM
SR-91 MONDAY-FRIDAY 6AM TO 9AM AND 3PM TO 6PM
SR-82 MONDAY-FRIDAY 6AM TO 9AM AND 3PM TO 6PM

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED LIQUIDATED DAMAGES IN THE AMOUNT OF \$1500 PER HOUR FOR EACH HOUR THAT A LANE IS CLOSED OUTSIDE OF THE PERMITTED TIMES.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. AS REQUIRED BY NEW SIGN LOCATION AND/OR VEGETATION GROWTH, PROVIDE 1000 FEET OF SIGHT DISTANCE TO EACH SIGN. ALL WORK LOCATIONS SHALL BE APPROVED BY THE ENGINEER. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

GUARDRAIL, MISC.: ADDITIONAL POSTS

AT THE FOLLOWING LOCATIONS ADDITIONAL POSTS SHALL BE ADDED TO OBTAIN 1/4 PANEL SPACING (APPROXIMATELY 4 POSTS WILL BE REQUIRED AT EACH SUPPORT). THE REDUCED SPACING SHALL START 12.5 FEET UPSTREAM OF THE OVERHEAD SIGN SUPPORT AND CONTINUE TO JUST DOWNSTREAM OF THE SUPPORT. NEW POSTS ADDED TO AN EXISTING RUN OF GUARDRAIL, SHALL BE OF THE SAME TYPE AS FOUND IN THAT EXISTING RUN OF GUARDRAIL. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH ITEM 606. A LUMP SUM QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR ITEM 606, GUARDRAIL, MISC.: ADDITIONAL POSTS.

SIGN REFERENCE NO.	STATION (I-480)
19	4+18
97	231+99
99	238+76
100	240+80
102	247+41
265	55+23
276	75+75

GENERAL NOTES

SUM / POR - 480-0.00

Kojnick@ODOTCD0234117 - ulmrl.m - Friday October 11 2002 12:47:16 PM EDT

ITEM 614 PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, 2 PORTABLE CHANGEABLE MESSAGE SIGNS [PCMS], ON SITE, FOR THE DURATION OF THE PROJECT. EACH SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS MAINTAINED BY THE DIRECTOR. THE CLASS I UNITS SHALL HAVE A MINIMUM LEGIBILITY DISTANCE OF 1250 FEET.

EACH SIGN SHALL BE TRAILER MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM TO DIM THE SIGN DURING DARKNESS AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY.

PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE PCMS SHOULD NOT BE LOCATED IN THE MEDIAN OF THE HIGHWAY UNLESS IT IS PROTECTED FROM BOTH DIRECTIONS OF TRAFFIC. THE PCMS SHOULD BE LOCATED BEHIND GUARDRAIL WHEREVER POSSIBLE. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE THE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS WILL BE OFF, FACING AWAY FROM ALL TRAFFIC AND SHALL DISPLAY ONE OR MORE HIGH INTENSITY YELLOW REFLECTIVE SHEETING SURFACES OF 9-INCH BY 15-INCH MINIMUM SIZE FACING TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT AND TO REVISE SIGN MESSAGES, IF NECESSARY.

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE CONTRACTOR. A LIST OF ALL PROPOSED PREPROGRAMMED MESSAGES WILL BE GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION. THE SIGN SHALL HAVE TWO DIFFERENT MEMORIES [PROM AND RAM] AND CAPABILITY TO STORE UP TO 99 MESSAGES IN EACH MEMORY. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. IN ORDER TO CONVEY A MAXIMUM OF INFORMATION AT A SINGLE GLANCE, ONLY THREE @LINE PRESENTATION FORMATS WITH A MAXIMUM OF SIX MESSAGE PHASES WILL BE PERMITTED. NORMALLY, ONLY A MAXIMUM OF THREE MESSAGE PHASES SHOULD BE EMPLOYED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST ONCE.

THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DE-ACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

THE PCMS SHALL CONTAIN A CELLULAR TELEPHONE DATA LINK WHICH WILL [IN ACTIVE CELLULAR AREAS] ALLOW REMOTE SIGN ACTIVATION, DEACTIVATION, MESSAGE CHANGES, MESSAGE ADDITIONS AND REVISIONS TO TIME OF DAY PROGRAMS. THE SYSTEM SHALL ALSO PERMIT VERIFICATION OF CURRENT AND PROGRAMMED MESSAGES.

THE PCMS UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF 614. THE CONTRACTOR SHALL PRIOR TO ACTIVATING THE UNIT, MAKE ARRANGEMENTS WITH AN AUTHORIZED SERVICE AGENT FOR THE PCMS TO ASSURE PROMPT SERVICE IN THE EVENT OF FAILURE. ANY FAILURE SHALL NOT RESULT IN THE SIGN BEING OUT OF SERVICE FOR MORE THAN 12 HOURS INCLUDING WEEKENDS. FAILURE TO COMPLY MAY RESULT IN AN ORDER TO STOP WORK AND OPEN ALL TRAFFIC LANES AND/OR IN THE DEPARTMENT TAKING APPROPRIATE ACTION TO SAFELY CONTROL TRAFFIC AND THE ENTIRE COST TO CONTROL TRAFFIC ACCRUED BY THE DEPARTMENT WILL BE DEDUCTED FROM MONEYS DUE, OR TO BECOME DUE THE CONTRACTOR ON HIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24 HOURS PER DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES. THE REQUIREMENT TO FURNISH, INSTALL, MAINTAIN AND REMOVE A PCMS UNIT ON THIS PROJECT SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES AS OUTLINED IN 104.04.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE BID FOR EACH SIGN MONTH OF ITEM 614 PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN AND SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614 PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN
6 SIGN MONTH

STOPPAGE OF MAINLINE TRAFFIC

ANY TIME TRAFFIC MUST BE COMPLETELY STOPPED ON A FREEWAY OR INTERSTATE, IT SHALL BE DONE IN THE FOLLOWING MANNER: THE COMPLETE TRAFFIC STOPPAGE ON ALL LANES OF ANY DIRECTIONAL ROADWAY SHALL BE NO MORE THAN 10 MINUTES IN ANY ONE CONSECUTIVE 30 MINUTE PERIOD.

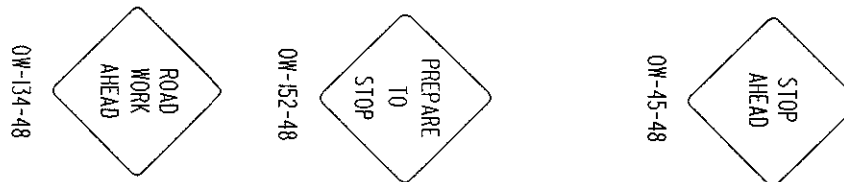
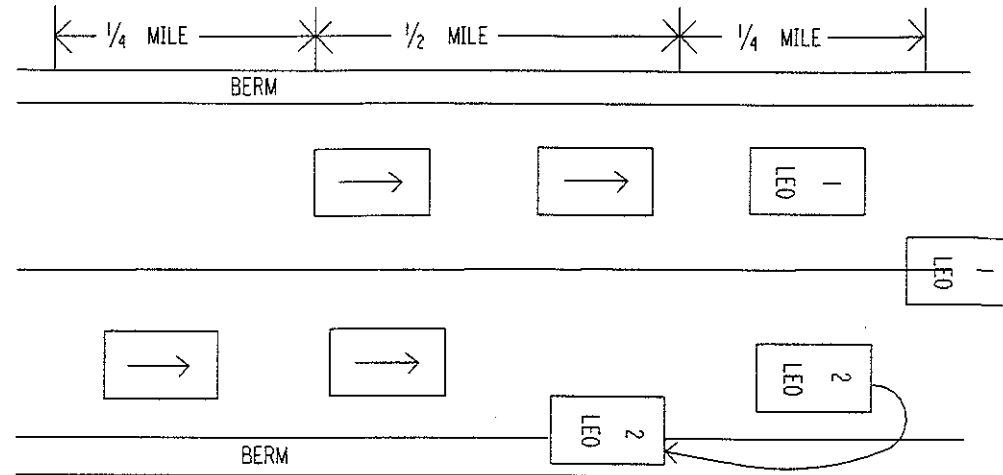
A MINIMUM OF TWO (2) LAW ENFORCEMENT OFFICERS (LEO) WITH PATROL CARS SHALL BE USED TO PACE MOTORISTS TO A STOP. THERE SHALL BE ONE LEO FOR EACH LANE ON THE FREEWAY.

AFTER TRAFFIC HAS BEEN SLOWED, ONE (1) PATROL CAR SHALL TRAVEL ALONG THE ROADWAY SHOULDER 500 FEET BEHIND THE BACKUP OF STOPPED VEHICLES. WHERE STOPPAGE OCCURS IN THE VICINITY OF FREEWAY ENTRANCES, THE CONTRACTOR SHALL PLACE FLAGGERS ON THE RAMPS TO STOP TRAFFIC. PATROL CARS SHALL HAVE FLASHING BEACONS TO PROVIDE ADEQUATE VISIBILITY TO APPROACHING MOTORISTS.

THE CONTRACTOR/PERMITEE SHALL ERECT AND MAINTAIN "ROAD WORK AHEAD" (OW-134-48), "PREPARE TO STOP" (OW-152-48), AND "STOP AHEAD" (OW-45-48) SIGNS. EACH SIGN SHALL BE EQUIPPED WITH A TYPE B FLASHING BARRICADE WARNING LIGHT IN ACCORDANCE WITH SECTION 7G-6 OF THE ODOTCD. PATROL CARS AND SIGNS SHALL BE LOCATED IN ACCORDANCE WITH THE DETAIL BELOW.

A PORTABLE CHANGEABLE MESSAGE SIGN, TYPE TO BE ON ODOT'S PREAPPROVED LIST, SHALL BE PLACED 1.5 TO 2 MILES IN ADVANCE OF THE CLOSURE OR AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER/PERMIT OFFICE AND THE ODOT PUBLIC INFORMATION OFFICE, 330-297-0801 EXT-211, THREE (3) DAYS PRIOR TO ANY MAINLINE TRAFFIC STOPPAGE.



CALCULATED
TAK
CHECKED

GENERAL NOTES

SUM / POR - 480 - 0.00

kopnick@D04C00234117 - ggm - Friday, October 11, 2002 12:28:48 PM EDT

SHEET NUMBER										ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
13	24	26	69												
ROADWAY															
						201	11000	LUMP		CLEARING AND GRUBBING	3				
						606	98200	LUMP		GUARDRAIL, MISC.: ADDITIONAL POSTS	3				
TRAFFIC CONTROL															
	716.5					630	02100	716.5	FT	GROUND MOUNTED SUPPORT, NO. 2 POST					
	1882.0		723.5			630	03100	2605.5	FT	GROUND MOUNTED SUPPORT, NO. 3 POST					
	317.6					630	06400	317.6	FT	GROUND MOUNTED SUPPORT, S4X7.7 BEAM					
	426.3					630	06500	426.3	FT	GROUND MOUNTED SUPPORT, W6X9 BEAM					
	325.2					630	07000	325.2	FT	GROUND MOUNTED SUPPORT, W8X18 BEAM					
	848.9					630	07600	848.9	FT	GROUND MOUNTED SUPPORT, W10X12 BEAM					
	126.9					630	08000	126.9	FT	GROUND MOUNTED SUPPORT, W12X30 BEAM					
	270.0					630	08004	270.0	FT	ONE WAY SUPPORT, NO. 3 POST					
	102					630	09000	102	EACH	BREAKAWAY BEAM CONNECTION					
	1					630	79500	1	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED					
	1760.4					630	80102	1760.4	SQ FT	SIGN, FLAT SHEET, TYPE G					
	7212.5					630	80204	7212.5	SQ FT	SIGN, EXTRUSHEET, TYPE G					
	20					630	80650	20	EACH	SIGN, SINGLE FACED, MILE MARKER, TYPE G					
			100			630	81000	100	EACH	MAINLINE REFERENCE MARKER	2				
			20			630	81010	20	EACH	RAMP REFERENCE MARKER	2				
			2			630	81020	2	EACH	CONCRETE MEDIAN BARRIER SIGN BRACKET	2				
	102					630	84500	102	EACH	GROUND MOUNTED BEAM SUPPORT FOUNDATION					
	233					630	84900	233	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL					
	8					630	85100	8	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION					
	33					630	85400	33	EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL					
	226					630	86002	226	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL					
	72					630	86102	72	EACH	REMOVAL OF GROUND MOUNTED BEAM SUPPORT AND DISPOSAL					
	2					630	86310	2	EACH	REMOVAL OF STRUCTURE MOUNTED SIGN AND DISPOSAL					
	46					630	87400	46	EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL					
	4					630	87500	4	EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL					
	2					630	89902	2	EACH	REMOVAL OF MISC. TRAFFIC CONTROL ITEM, GROUND MOUNTED BEAM SUPPORT FOUNDATION					
			19			631	84000	19	EACH	SIGN SERVICE					
			30			631	84300	30	EACH	SIGN WIRED					
			19			631	85100	19	EACH	DISCONNECT SWITCH WITH ENCLOSURE, TYPE X					
			29			631	87400	29	EACH	BALLAST, MISC.: TYPE CMRI-175-480, INTEGRAL					
			18			631	87400	18	EACH	BALLAST, MISC.: TYPE CMRI-250-480, INTEGRAL					
			29			631	89200	29	EACH	MERCURY VAPOR LUMINAIRE, TYPE TC-31.21 WITH 175 WATT LAMP					
			18			631	89300	18	EACH	MERCURY VAPOR LUMINAIRE, TYPE TC-31.21 WITH 250 WATT LAMP					
	50					631	94200	50	EACH	REMOVAL OF LUMINAIRE AND DISPOSAL					
	20					631	94304	20	EACH	REMOVAL OF DISCONNECT SWITCH AND DISPOSAL					
	31					631	94408	31	EACH	REMOVAL OF SIGN WIRING AND DISPOSAL					
	20					631	94412	20	EACH	REMOVAL OF SIGN SERVICE AND DISPOSAL					
MAINTENANCE OF TRAFFIC															
						614	11100	120	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR					
						614	18601	6	SIGN MNTH	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN					
						614	11000	LUMP		MAINTAINING TRAFFIC					
						619	16000	6	MONTH	FIELD OFFICE, TYPE A					
						623	10000	LUMP		CONSTRUCTION LAYOUT STAKES					
						624	10000	LUMP		MOBILIZATION					

GENERAL SUMMARY

SUM / POR - 480 - 0.00

5 / 75

Kopnick@D040D0234117 - 1s1.m - Friday October 11 2002 12:18:59 PM EDT

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630	630	630	630	630	630	630	630	630	630	630	630	630	630				
							REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED BEAM SUPPORT AND DISPOSAL EACH	REMOVAL OF STRUCTURE MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF MISC. TRAFFIC CONTROL ITEM, GROUND MOUNTED BEAM SUPPORT FOUNDATION EACH	REMOVAL OF LUMINAIRE AND DISPOSAL EACH	REMOVAL OF DISCONNECT SWITCH AND DISPOSAL EACH	REMOVAL OF SIGN WIRING AND DISPOSAL EACH	REMOVAL OF SIGN SERVICE AND DISPOSAL EACH					
27	1	EB 480/14	0+53	RT	GP	108x60			1			2												
	1	EB 480/14	0+53	RT	GN	108x42	1																	
	1a	WB 480/14	4+18	LT	GB	228x150															2	1	1	1
	1a	WB 480/14	4+18	LT	GEP	84x24																		
	2	EB 480/14	6+12	RT	X-6L-12	12x36	1			1														
	3	EB 480/14	6+20	RT	X-6R-12	12x36	1			1														
	4	WB 480/14	7+40	LT	X-6R-12	12x36	1			1														
	5	WB 480/14	7+50	LT	X-6L-12	12x36	1			1														
	7	EB 480/14	10+95	RT	R-10-48	48x60	1			2														
	8	EB 480/14	10+95	RT	R-9A-48	48x60	1			2														
27	9	EB 480/14	12+25	RT	N-89-48	48x30	1			2														
28	10	WB 480/14	17+41	LT	W-68-48	48x48	1			2														
	12	EB 480/14	26+87	RT	GJ	168x84			1															
28	14	EB 480/14	33+11	RT	N-88-54	54x42	1			2														
29	15	WB 480/14	42+33	LT	N-41-12	12x36	1			1														
	17	EB 480/14	42+33	RT	N-41-12	12x36	1			1														
	18	EB 480/14	47+91	-	R-123-36	36x36	1			1														
	18	EB 480/14	47+91	-	R-19-24	24x30	1			1														
	19	WB 480/14	48+36	-	R-123-36	36x36	1			1														
	19	WB 480/14	48+36	-	R-19-24	24x30	1			1														
29	20	WB 480/14	48+96	LT	GB	156x84			1			2												
30	23	WB 480/14	72+50	LT	GN	108x42	1					2												
30	24	EB 480/14	72+70	RT	GN	108x42	1					2												
31	27	WB 480/14	95+13	LT	N-41-12	12x36	1			1														
	29	EB 480/14	95+13	RT	N-41-12	12x36	1			1														
	30	EB 480/14	95+13	RT	N-89-48	48x30	1			2														
31	31	WB 480/14	101+66	LT	GB	156x84			1			2												
32	33	EB 480/14	110+35	RT	X-6L-12	12x36	1			1														
	34	EB 480/14	110+88	RT	X-6R-12	12x36	1			1														
	34	EB 480/14	110+88	RT	SPECIAL	12x12			1															
	35	WB 480/14	111+18	LT	X-6R-12	12x36	1			1														
	35	WB 480/14	111+18	LT	SPECIAL	12x12			1															
	36	WB 480/14	111+18	LT	X-6L-12	12x36	1			1														
32	39	EB 480/14	128+33	RT	GS-1-132	132x84			1			2												
33	41	EB 480/14	141+00	RT	GA-1	168x60			1			2												
	42	WB 480/14	148+32	LT	N-41-12	12x36	1			1														
	44	EB 480/14	148+32	RT	N-41-12	12x36	1			1														
	45	EB 480/14	153+21	-	R-123-36	36x36	1			1														
	45	EB 480/14	153+21	-	R-19-24	24x30	1			1														
	46	WB 480/14	153+91	-	R-123-36	36x36	1			1														
	46	WB 480/14	153+91	-	R-19-24	24x30	1			1														
	47	EB 480/14	154+79	RT	GB	168x144			1			2												
33	47	EB 480/14	154+79	RT	GEP-84	84x24	1																	
34	50	WB 480/14	172+59	LT	GJ	168x84			1			2												
TOTALS CARRIED TO SHEET 13							32	2	8	30	20	2				2	1	1	1	1				

EXISTING SIGNING SUBSUMMARY

SUM / POR - 480-0.00

kopnikk@D04C00234117 - 1st.rn - Friday October 11 2002 12:19:12 PM EDT

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630	630	630	630	630	630	630	630	630	630	630	630	630	630				
							REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED SIGN AND REELECTION EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED BEAM MOUNTED SUPPORT AND DISPOSAL EACH	REMOVAL OF STRUCTURE MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF MISC. TRAFFIC CONTROL ITEM, GROUND MOUNTED BEAM SUPPORT FOUNDATION EACH	REMOVAL OF LUMINAIRE AND DISPOSAL EACH	REMOVAL OF DISCONNECT SWITCH AND DISPOSAL EACH	REMOVAL OF SIGN WIRING AND DISPOSAL EACH	REMOVAL OF SIGN SERVICE AND DISPOSAL EACH					
35	52	WB 480/14	181+14	LT	R-10-48	48x60	1			2														
	53	WB 480/14	181+14	LT	R-9A-48	48x60	1			2														
	54	EB 480/14	188+55	RT	GCR	132x36	1				2													
	54	EB 480/14	188+55	RT	GEP-84	84x24	1																	
	56	WB 480/14	193+85	LT	IM-40-36	36x18	1			1														
	56	WB 480/14	193+85	LT	M-5-36-3	48x36	1																	
	57	WB 480/14	193+85	LT	M-40-36	36x18	1			1														
	57	WB 480/14	193+85	LT	M-2-36-2	36x36	1																	
	58	EB 480/14	196+40	RT	GE	204x114								1						2	1	1	1	
	58	EB 480/14	196+40	RT	GEP-84	84x24								1										
	59	WB 480/14	197+88	LT	N-88-54	54x42	1			2														
	60	WB 480/14	200+80	LT	N-89-48	48x30	1			2														
	61	WB 480/14	200+80	LT	N-41-12	12x36	1			1														
35	63	EB 480/14	200+80	RT	N-41-12	12x36	1			1														
36	64	EB 480/14	206+32	RT	GB	132x120														1	1	1	1	
	64	EB 480/14	206+32	RT	GEP-84	84x24																		
	64	EB 480/14	206+32	RT	GE	204x120														2		1		
	64	EB 480/14	206+32	RT	GEP-84	84x24																		
	65	EB 480/14	209+01	RT	GF	72x60	1			1														
	67	EB 480/14	213+40	RT	GC	168x66					2													
	68	WB 480/14	214+65	LT	W-49R-48	48x48	1			2														
	70	EB 480/14	RAMP D 17+75	RT	D-4B-156	156x72				1			2											
36	71	EB 480/14	RAMP D 18+55	RT	D-1B-96	96x18	1			2														
37	73	WB 480/14	RAMP A	RT	R-15D-30	30x30	1			2														
	74	WB SR 82	388+58	LT	GH-1	132x84														1	1	1	1	
	74	EB SR 82	388+58	LT	GH-1	132x84														1		1		
	75	WB SR 82	396+57	LT	D-4B-156	156x48				1			2											
	76	WB SR 82	399+21	LT	IM-17-21	21x15	1			1														
	76	WB SR 82	399+21	LT	M-5-24-3	30x24	1																	
	76	WB SR 82	399+21	LT	M-2-24-2	24x24	1																	
	78	WB 480/14	RAMP B	RT	R-43R-36	36x12	1			2														
	78	WB 480/14	RAMP B	RT	R-43L-36	36x12	1																	
	78	WB 480/14	RAMP B	RT	R-41B-36	36x36	1																	
	79	WB 480/14	RAMP B	LT	R-43R-36	36x12	1			2														
	79	WB 480/14	RAMP B	LT	R-43L-36	36x12	1																	
	79	WB 480/14	RAMP B	LT	R-41B-36	36x36	1																	
	80	WB 480/14	RAMP B	RT	R-41A-36	36x24	1			1														
	81	WB 480/14	RAMP B	LT	R-41A-36	36x24	1			1														
	83	WB 480/14	RAMP B	RT	M-2-24-2	24x24	1																	
	83	WB 480/14	RAMP B	RT	M-25-21	21x15	1																	
	83	WB 480/14	RAMP B	RT	D-4B-156	156x72				1			2											
	84	EB 480/14	226+00	RT	W-49R-48	48x48	1			2														
	87	EB 480/14	RAMP C	RT	R-15D-30	30x30	1			2														
	88	EB 480/14	RAMP C	RT	N-19B-30	30x24	1			1														
	89	EB SR 82	382+65	RT	GH-1	132x84														1	1	1	1	
	89	WB SR 82	382+65	RT	GH-1	132x84														1		1		
	90	EB SR 82	375+31	RT	M-52A-108	108x30	1			2														
37	90	EB SR 82	375+31	RT	M-52A-108	108x30	1																	
TOTALS CARRIED TO SHEET 13							34		4	33	10			10					9	4	7	4		

EXISTING SIGNING SUBSUMMARY

SUM / POR - 480-0.00

7
75

CALCULATED
TAK
CHECKED
JL

Kopnikk@D04C00234117 - 1st.m - Friday October 11 2002 12:19:35 PM EDT

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630	630	630	630	630	630	630	630	630	630	630	630	630	630				
							REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED BEAM SUPPORT AND DISPOSAL EACH	REMOVAL OF STRUCTURE MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF MISC. TRAFFIC CONTROL ITEM, GROUND MOUNTED BEAM SUPPORT FOUNDATION EACH	REMOVAL OF LUMINAIRE AND DISPOSAL EACH	REMOVAL OF DISCONNECT SWITCH AND DISPOSAL EACH	REMOVAL OF SIGN WIRING AND DISPOSAL EACH	REMOVAL OF SIGN SERVICE AND DISPOSAL EACH					
37	91	EB SR 82	370+44	RT	IM-17-21	21x15	1																	
	91	EB SR 82	370+44	RT	M-5-24-3	30x24	1																	
	91	EB SR 82	370+44	RT	M-2-24-2	24x24	1																	
	92	WB 480/14	RAMP D	LT	R-43R-36	36x12	1				2													
	92	WB 480/14	RAMP D	LT	R-43L-36	36x12	1																	
	92	WB 480/14	RAMP D	LT	R-41B-36	36x36	1																	
	92a	WB 480/14	RAMP D	RT	R-41B-36	36x36	1				2													
	93	WB 480/14	RAMP D	RT	R-41A-36	36x24	1				1													
37	94	WB 480/14	RAMP D	LT	R-41A-36	36x24	1				1													
38	96	WB 480/14	228+73	LT	GF	72x60	1				2													
	97	WB 480/14	231+99	LT	GEP-84	84x24																		
	97	WB 480/14	231+99	LT	GE	204x150															2	1	1	1
	99	WB 480/14	238+76	LT	GEP-84	84x24																		
	99	WB 480/14	238+76	LT	GE	168x150															2	1	1	1
	100	EB 480/14	240+80	RT	GEP-84	84x24																		
	100	EB 480/14	240+80	RT	GE	168x150															2	1	1	1
	102	EB 480/14	247+41	RT	GEP-84	84x24																		
	102	EB 480/14	247+41	RT	GE	204x150															2	1	1	1
	103	WB 480/14	247+63	RT	W-49R-48	48x48	1				2													
38	104	EB 480/14	249+90	RT	GF	72x60	1				2													
39	106	WB 480/14	253+39	LT	N-41-12	12x36	1				1													
	108	EB 480/14	253+39	RT	N-41-12	12x36	1				1													
	109	EB 480/14	255+30	RT	X-6L-12	12x36	1				1													
	110	EB 480/14	255+48	RT	X-6R-12	12x36	1				1													
	110	EB 480/14	255+48	RT	SPECIAL	12x12																		
	111	WB 480/14	257+27	LT	X-6R-12	12x36	1				1													
	111	WB 480/14	257+27	LT	SPECIAL	12x12																		
	112	WB 480/14	257+45	LT	X-6L-12	12x36	1				1													
	113	NB SR 91	19+00	RT	GH	132x60															1	1	1	1
	114	SB SR 91	20+75	LT	GH	144x60															1	1	1	1
	115	SB SR 91	22+51	LT	GH-1	132x84															1	1	1	1
	115	NB SR 91	22+51	LT	GH-1	132x84															1	1	1	1
	116	WB 480/14	RAMP H	RT	R-15D-30	30x30	1				2													
	117	WB 480/14	RAMP H	RT	N-19B-30	30x24	1				1													
	118	SB SR 91	25+67	LT	D-4B-156	156x48				1			2											
	119	SB SR 91	29+67	LT	M-52A-108	108x30	1				2													
	119	SB SR 91	29+67	LT	M-52A-108	108x30	1																	
	120	SB SR 91	33+06	LT	IM-17-21	21x15	1				1													
	120	SB SR 91	33+06	LT	M-5-36-3	48x36	1																	
	120	SB SR 91	33+06	LT	M-17-21	21x15	1				1													
	120	SB SR 91	33+06	LT	M-2-36-2	36x36	1																	
	122	WB 480/14	RAMP E	RT	R-31F-36	36x30	1																	
	122	WB 480/14	RAMP E	RT	R-41B-36	36x36	1				2													
	123	WB 480/14	RAMP E	LT	R-43R-36	36x12	1																	
	123	WB 480/14	RAMP E	LT	R-43L-36	36x12	1				2													
	123	WB 480/14	RAMP E	LT	R-41B-36	36x36	1																	
	124	WB 480/14	RAMP E	LT	R-41A-36	36x24	1				1													
	125	WB 480/14	RAMP E	RT	R-41A-36	36x24	1				1													
	126	WB 480/14	RAMP E	RT	R-31F-36	36x30	1																	
39	126	WB 480/14	RAMP E	RT	D-1B-96	96x18	1				2													
TOTALS CARRIED TO SHEET 13							35	2	1	34	2	2	10				12	7	8	7				

EXISTING SIGNING SUBSUMMARY

SUM / POR - 480 - 0.00

K:\p01\104\10400234117 - 1s1.m - Friday, October 11 2002 12:19:49 PM EDT

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630	630	630	630	630	630	630	630	630	630	630	630	630	630				
							REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED BEAM SUPPORT AND DISPOSAL EACH	REMOVAL OF STRUCTURE MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF MISC. TRAFFIC CONTROL ITEM, GROUND MOUNTED BEAM SUPPORT FOUNDATION EACH	REMOVAL OF LUMINAIRE AND DISPOSAL EACH	REMOVAL OF DISCONNECT SWITCH AND DISPOSAL EACH	REMOVAL OF SIGN WIRING AND DISPOSAL EACH	REMOVAL OF SIGN SERVICE AND DISPOSAL EACH					
39	127	WB 480/14	RAMP E	RT	M-2-24-2	24x24	1																	
	127	WB 480/14	RAMP E	RT	M-25-21	21x15	1																	
	127	WB 480/14	RAMP E	RT	D-4B-156	156x72			1		2													
	127	WB 480/14	RAMP E	RT	D-1B-108	108x18	1																	
	130	EB 480/14	RAMP F	RT	R-15D-30	30x30	1			2														
	131	NB SR 91	17+68	RT	GH-1	132x84								1										
	131	SB SR 91	17+68	RT	GH-1	132x84								1										
	132	NB SR 91	13+94	RT	D-4B-156	156x48			1		2													
	133	NB SR 91	10+13	RT	M-52A-108	108x30	1			2														
	133	NB SR 91	10+13	RT	M-52A-108	108x30	1																	
	134	NB SR 91	3+79	RT	IM-17-21	21x15										1								
	134	NB SR 91	3+79	RT	M-5-36-3	36x30										1								
	134	NB SR 91	3+79	RT	M-2-36-2	36x36										1								
	135	EB 480/14	RAMP G	RT	R-41B-36	36x36	1			2														
	136	EB 480/14	RAMP G	LT	R-43R-36	36x12	1			2														
	136	EB 480/14	RAMP G	LT	R-43L-36	36x12	1																	
	136	EB 480/14	RAMP G	LT	R-41B-36	36x36	1																	
	137	EB 480/14	RAMP G	RT	R-41A-36	36x24	1			1														
	138	EB 480/14	RAMP G	LT	R-41A-36	36x24	1			1														
	139	EB 480/14	RAMP G	RT	D-1B-96	96x24	1			2														
	140	EB 480/14	RAMP G	RT	R-31F-36	36x30	1			2														
	141	EB 480/14	RAMP G	RT	M-2-24-2	24x24	1																	
	141	EB 480/14	RAMP G	RT	M-25-21	21x15	1																	
	141	EB 480/14	RAMP G	RT	D-4B-156	156x72																		
39	141	EB 480/14	RAMP G	RT	D-1B-108	108x18	1			1		2												
40	144	WB 480/14	RAMP E	RT	W-47-48	48x48	1			2														
	146	EB 480/14	263+01	RT	W-49R-48	48x48	1			2														
	147	WB 480/14	266+05	LT	GF	72x60	1			2														
	148	WB 480/14	269+71	LT	GEP-84	84x24																		
	148	WB 480/14	269+71	LT	GB	168x150																		
	148	WB 480/14	269+71	LT	GEP-84	84x24																		
	148	WB 480/14	269+71	LT	GE	204x120																		
	150	WB 480/14	278+84	LT	GEP-84	84x24																		
	150	WB 480/14	278+84	LT	GE	204x114																		
	151	EB 480/14	284+33	LT	IM-39-36	36x18	1			1														
	151	EB 480/14	284+33	LT	M-5-36-3	48x36	1																	
	152	EB 480/14	284+33	LT	M-39-36	36x18	1			1														
40	152	EB 480/14	284+33	LT	M-2-36-2	36x36	1																	
41	154	EB 480/14	294+15	RT	R-10-48	48x60	1			1														
	155	EB 480/14	294+15	RT	R-9A-48	48x60	1			1														
	157	EB 480/14	296+37	-	R-123-36	36x36	1			1														
	157	EB 480/14	296+37	-	R-19-24	24x30	1																	
	158	WB 480/14	296+92	-	R-123-36	36x36	1			1														
	158	WB 480/14	296+92	-	R-19-24	24x30	1																	
	159	EB 480/14	302+34	RT	R-70-48	48x36	1			2														
	160	WB 480/14	303+11	LT	GEP-84	84x24	1																	
	160	WB 480/14	303+11	LT	GB	168x144																		
	161	WB 480/14	306+65	LT	N-41-12	12x36	1			1														
	163	EB 480/14	306+65	RT	N-89-48	48x30	1			2														
41	163	EB 480/14	306+65	RT	N-41-12	12x36	1																	
TOTALS CARRIED TO SHEET 13							35		4	31	8		8	3		8	3	5	3					

EXISTING SIGNING SUBSUMMARY

SUM / POR - 480 - 0.00

CALCULATED
TAKEN
CHECKED
JL

9
75

Kopnick@DD4CD0234117 - 1st.m - Friday October 11 2002 12:20:05 PM EDT

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630	630	630	630	630	630	630	630	630	630	630	630	630	630				
							REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED SIGN AND REFLECTION EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED BEAM SUPPORT AND DISPOSAL EACH	REMOVAL OF STRUCTURE MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF MISC. TRAFFIC CONTROL ITEM, GROUND MOUNTED BEAM SUPPORT FOUNDATION EACH	REMOVAL OF LUMINAIRE AND DISPOSAL EACH	REMOVAL OF DISCONNECT SWITCH AND DISPOSAL EACH	REMOVAL OF SIGN WIRING AND DISPOSAL EACH	REMOVAL OF SIGN SERVICE AND DISPOSAL EACH					
42	164	WB 480/14	311+93	RT	GEP-84	84x24	1																	
	164	WB 480/14	311+93	RT	GC	144x60			1		2													
	164	WB 480/14	311+93	RT	GA-1	144x60			1															
	166	WB 480/14	318+66	LT	GN	108x42	1			2														
42	168a	WB 480/14	327+00	LT														2						
43	170	WB 480/14	352+96	LT	R-70-48	48x36	1			2														
	171	EB 480/14	356+06	RT	IM-39-36	36x18	1			1														
	171	EB 480/14	356+06	RT	M-5-36-3	48x36	1																	
	172	EB 480/14	356+06	RT	M-39-36	36x18	1			1														
	172	EB 480/14	356+06	RT	M-2-36-2	36x36	1																	
	173	WB 480/14	358+80	LT	N-41-12	12x36	1			1														
43	176	EB 480/14	358+80	RT	N-41-12	12x36	1																	
44	179	EB 480/14	381+24	RT	GJ	156x84			1		2													
45	180	EB 480/14	387+78	-	R-123-36	36x36	1			1														
	180	EB 480/14	387+78	-	R-19-24	24x30	1																	
	181	WB 480/14	389+10	-	R-123-36	36x36	1			1														
	181	WB 480/14	389+10	-	R-19-24	24x30	1																	
	183	EB 480/14	393+61	RT	GN	96x42	1			2														
	184	EB 480/14	393+97	RT	X-6L-12	12x36	1			1														
	185	EB 480/14	394+21	RT	X-6R-12	12x36	1			1														
	185	EB 480/14	394+21	RT	SPECIAL	12x12			1															
	186	WB 480/14	394+98	LT	X-6R-12	12x36	1			1														
	186	WB 480/14	394+98	LT	SPECIAL	12x12			1															
45	187	WB 480/14	395+23	LT	X-6L-12	12x36	1			1														
46	189	WB 480/14	411+71	LT	N-89-48	48x30	1			2														
	190	WB 480/14	411+71	LT	N-41-12	12x36	1																	
	192	EB 480/14	411+71	RT	N-41-12	12x36	1			1														
46	193	EB 480/14	411+71	RT	N-89-48	48x30	1			2														
47	195	EB 480/14	430+75	RT	GEP-84	84x24	1				2													
	195	EB 480/14	430+75	RT	GB	144x72			1															
	197	WB 480/14	433+84	RT	SPECIAL	72x48	1			2														
	199	EB 480/14	448+86	RT	GEP-84	84x24	1																	
	199	EB 480/14	448+86	RT	GC	144x84			1		2													
	200	WB 480/14	450+13	LT	GJ	144x84			1		2													
47	201	EB 480/14	450+57	RT	W-68-48	48x48	1			2														
TOTALS CARRIED TO SHEET 13							26	2	6	24	10							2						

EXISTING SIGNING SUBSUMMARY

SUM / POR - 480 - 0.00

10
75

CALCULATED
 TAX
 CHECKED
 JL

Kopnick@D04C00234117 - 1st.m - Friday October 11 2002 12:20:38 PM EDT

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)	630	630	630	630	630	630	630	630	630	630	630	630	630	630		
							REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED BEAM SUPPORT AND DISPOSAL EACH	REMOVAL OF STRUCTURE MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF MISC. TRAFFIC CONTROL ITEM, GROUND MOUNTED BEAM SUPPORT FOUNDATION EACH	REMOVAL OF LUMINAIRE AND DISPOSAL EACH	REMOVAL OF DISCONNECT SWITCH AND DISPOSAL EACH	REMOVAL OF SIGN WIRING AND DISPOSAL EACH	REMOVAL OF SIGN SERVICE AND DISPOSAL EACH			
50	256	WB 480/14	RAMP J	LT	R-4IB-36	36x36	1			2												
	257	WB 480/14	RAMP J	RT	R-4IB-36	36x36	1			2												
	259	WB 480/14	RAMP J	RT	R-4IA-36	36x24	1			1												
	260	WB 480/14	RAMP J	LT	R-4IA-36	36x24	1			1												
	261	WB 480/14	RAMP J	RT	D-4D-144	144x24	1			2												
50	261	WB 480/14	RAMP J	RT	D-4E-144	144x36	1															
51	263	WB 480/14	RAMP J	RT	W-47-48	48x48	1			2												
	264	WB 480/14	52+29	LT	GF	72x60	1			2												
	265	WB 480/14	55+23	LT	GEP-84	84x24																
	265	WB 480/14	55+23	LT	GE	132x78																
	266	WB 480/14	58+93	LT	N-4I-2	12x36	1			1												
	268	EB 480/14	58+93	RT	N-4I-2	12x36	1			1												
	269	WB 480/14	64+85	LT	GEP-84	84x24	1				2											
	269	WB 480/14	64+85	LT	GE	144x72																
	270	EB 480/14	68+00	RT	GEP-84	84x24																
	270	EB 480/14	68+00	RT	GB	192x150																
	271	EB 480/14	68+27	RT	X-6R-12	12x36	1			1												
	272	WB 480/14	68+59	LT	N-89-48	48x30	1			2												
	274	WB 480/14	72+38	LT	X-6R-12	12x36	1			1												
	274	WB 480/14	72+38	LT	SPECIAL	12x12																
	275	WB 480/14	72+72	LT	GEP-84	84x24	1				2											
51	275	WB 480/14	72+72	LT	GC	144x84																
52	276	EB 480/14	75+75	RT	GG	144x90																
	276	EB 480/14	75+75	RT	GEP-84	84x24																
	276	EB 480/14	75+75	RT	GE	228x120																
	276a	EB 480/14	75+75	RT	R-11A-24	24x30																
	277	WB FROST RD	-	RT	1M-40-36	36x18	1			1												
	277	WB FROST RD	-	RT	M-5-36-3	48x36	1															
	278	WB FROST RD	-	RT	M-40-36	36x18	1			1												
	278	WB FROST RD	-	RT	M-2-36-2	36x36	1															
	281	WB 480/14	81+38	LT	R-2-48	48x48	1			2												
	282	EB 480/14	81+50	RT	W-49R-48	48x48	1			2												
	284	EB 480/14	83+00	RT	R-2-48	48x48	1			2												
	285	WB 480/14	83+27	LT	W-49R-48	48x48	1			2												
	287	EB 480/14	85+05	RT	R-10-48	48x60	1															
	288	EB 480/14	85+05	RT	R-10-48	48x60	1			2												
	289	WB 480/14	86+14	LT	R-9A-48	48x60	1			2												
	290	WB 480/14	86+14	LT	R-10-48	48x60	1			2												
	292	EB 480/14	86+90	RT	W-86-48	48x48	1			2												
	293	EB 480/14	88+09	RT	R-2-48	48x48	1			2												
	294	EB 480/14	88+96	RT	W-75-36	36x36	1			1												
	295	EB 480/14	75+10	RT	R-11A-48	48x60	1			2												
	296	WB 480/14	89+73	LT	GG	204x90																
	296	WB 480/14	89+73	LT	GEP-84	84x24																
	296	WB 480/14	89+73	LT	GB	144x78																
	296	WB 480/14	89+73	LT	GE	228x120																
	297	WB SR 14	107+23	LT	GB	120x96					2											
	298	WB SR 14	120+24	LT	GC	144x66					2											
52	299	WB SR 14	133+18	LT	GB	120x96					2											
TOTALS CARRIED TO SHEET 13							31	1	5	41	10			11	1			13	4	7	4	

EXISTING SIGNING SUBSUMMARY

SUM / POR - 480-0.00

CALCULATED
TAK
CHECKED
JL

12
75

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE <small>*-UFRM (SEE REFERENCE MARKER SHEETS)</small>	SIZE (INCHES)	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	
							GROUND MOUNTED SUPPORT, NO. 2 POST FT	GROUND MOUNTED SUPPORT, NO. 3 POST FT	GROUND MOUNTED SUPPORT, 54X7.7 BEAM FT	GROUND MOUNTED SUPPORT, W6X9 BEAM FT	GROUND MOUNTED SUPPORT, W10X12 BEAM FT	GROUND MOUNTED SUPPORT, W8X18 BEAM FT		GROUND MOUNTED SUPPORT, W12X30 BEAM FT	ONE WAY SUPPORT, NO. 3 POST FT	BREAKAWAY BEAM CONNECTION EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH						SIGN, FLAT SHEET, TYPE G SQ FT
27	1	EB 480/14	0+53	RT	GP	108x60																	
	1	EB 480/14	0+53	RT	GN	108x42							45.7										
	1a	WB 480/14	4+18	LT	GB	228x150																	
	1a	WB 480/14	4+18	LT	GEP	84x24																	
	2	EB 480/14	6+12	RT	X-6L-12	12x36	10.5																
	3	EB 480/14	6+20	RT	X-6R-12	12x36	10.5																
	4	WB 480/14	7+40	LT	X-6R-12	12x36	10.5																
	5	WB 480/14	7+50	LT	X-6L-12	12x36	10.5																
	6	EB 480/14	10+65	-	*UFRM	24x48																	
	6	WB 480/14	10+65	-	*UFRM	24x48																	
	7	EB 480/14	10+95	RT	R-10-48	48x60		29.0															
	8	EB 480/14	10+95	RT	R-9A-48	48x60		31.0															
27	9	EB 480/14	12+25	RT	N-89-48	48x30	26.0																
28	10	WB 480/14	17+41	LT	W-68-48	48x48		29.0															
	11	EB 480/14	21+21	-	*UFRM	24x48																	
	11	WB 480/14	21+21	-	*UFRM	24x48																	
	12	EB 480/14	26+87	RT	GJ	168x84						48.7											
	13	EB 480/14	31+77	-	*UFRM	24x48																	
	13	WB 480/14	31+77	-	*UFRM	24x48																	
28	14	EB 480/14	33+11	RT	N-88-54	54x42		28.0															
29	15	WB 480/14	42+33	LT	N-41-12	12x36	10.5																
	16	EB 480/14	42+33	-	*UFRM	24x48																	
	16	WB 480/14	42+33	-	*UFRM	24x48																	
	17	EB 480/14	42+33	RT	N-41-12	12x36	10.5																
	18	EB 480/14	47+91	-	R-123-36	36x36		12.5															
	18	EB 480/14	47+91	-	R-19-24	24x30																	
	19	WB 480/14	48+36	-	R-123-36	36x36		12.5															
	19	WB 480/14	48+36	-	R-19-24	24x30																	
	20	WB 480/14	48+96	LT	GB	156x84						47.7											
	21	EB 480/14	52+89	-	*UFRM	24x48																	
	21	WB 480/14	52+89	-	*UFRM	24x48																	
30	22	EB 480/14	63+45	-	*UFRM	24x48																	
	22	WB 480/14	63+45	-	*UFRM	24x48																	
	23	WB 480/14	72+50	LT	GN	108x42																	
	24	EB 480/14	72+70	RT	GN	108x42																	
	25	EB 480/14	74+01	-	*UFRM	24x48																	
	25	WB 480/14	74+01	-	*UFRM	24x48																	
	26	EB 480/14	84+57	-	*UFRM	24x48																	
30	26	WB 480/14	84+57	-	*UFRM	24x48																	
31	27	WB 480/14	95+13	LT	N-41-12	12x36	10.5																
	28	EB 480/14	95+13	-	*UFRM	24x48																	
	28	WB 480/14	95+13	-	*UFRM	24x48																	
	29	EB 480/14	95+13	RT	N-41-12	12x36	10.5																
	30	EB 480/14	95+13	RT	N-89-48	48x30	26.0																
	31	WB 480/14	101+66	LT	GB	156x84							46.9										
	32	EB 480/14	105+69	-	*UFRM	24x48																	
31	32	WB 480/14	105+69	-	*UFRM	24x48																	
32	33	EB 480/14	110+35	RT	X-6L-12	12x36	10.5																
	34	EB 480/14	110+88	RT	X-6R-12	12x36	10.5																
	34	EB 480/14	110+88	RT	SPECIAL	12x12	6.5																
	35	WB 480/14	111+18	LT	X-6R-12	12x36	10.5																
	35	WB 480/14	111+18	LT	SPECIAL	12x12	6.5																
32	36	WB 480/14	111+72	LT	X-6L-12	12x36	10.5																
TOTALS CARRIED TO SHEET 24							191.0	142.0	54.7			45.7	143.3				12			143.7	419.5	4	12

PROPOSED SIGNING SUBSUMMARY

SUM / POR - 480 - 0.00	<table border="1" style="width: 100%; font-size: small;"> <tr> <td style="width: 50%;">CALCULATED</td> <td style="width: 50%;">TAX</td> </tr> <tr> <td>CHECKED</td> <td>JL</td> </tr> </table>	CALCULATED	TAX	CHECKED	JL
CALCULATED	TAX				
CHECKED	JL				

kopnick@D04C02034117 - 162.m - Friday, October 11, 2002 12:13:56 PM EDT

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE <small>*-UFRM (SEE REFERENCE MARKER SHEETS)</small>	SIZE (INCHES)	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630		
							GROUND MOUNTED SUPPORT, NO. 2 POST FT	GROUND MOUNTED SUPPORT, NO. 3 POST FT	GROUND MOUNTED SUPPORT, 54X7.7 BEAM FT	GROUND MOUNTED SUPPORT, W6X9 BEAM FT	GROUND MOUNTED SUPPORT, W10X12 BEAM FT	GROUND MOUNTED SUPPORT, W8X18 BEAM FT		GROUND MOUNTED SUPPORT, W12X30 BEAM FT	ONE WAY SUPPORT, NO. 3 POST FT	BREAKAWAY BEAM CONNECTION EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH								
32	37	EB 480/14	116+25	-	*UFRM	24x48																			
	37	WB 480/14	116+25	-	*UFRM	24x48																			
	38	EB 480/14	126+81	-	*UFRM	24x48																			
32	38	WB 480/14	126+81	-	*UFRM	24x48																			
33	40	EB 480/14	137+37	-	*UFRM	24x48																			
	40	WB 480/14	137+37	-	*UFRM	24x48																			
	41	EB 480/14	141+00	RT	GA-1	168x60					44.5					2						70.0		2	
	42	WB 480/14	148+32	LT	N-41-12	12x36	10.5																		
	43	EB 480/14	148+32	-	*UFRM	24x48																	1		
	43	WB 480/14	148+32	-	*UFRM	24x48																			
	44	EB 480/14	148+32	RT	N-41-12	12x36	10.5																1		
	45	EB 480/14	153+21	-	R-123-36	36x36			12.5													9.0			
	45	EB 480/14	153+21	-	R-19-24	24x30																5.0			
	46	WB 480/14	153+91	-	R-123-36	36x36			12.5													9.0			
	46	WB 480/14	153+91	-	R-19-24	24x30																5.0			
	47	EB 480/14	154+79	RT	GB	168x144						63.9			2								168.0		2
33	47	EB 480/14	154+79	RT	GEP-84	84x24																	14.0		
34	48	EB 480/14	158+49	-	*UFRM	24x48																			
	48	WB 480/14	158+49	-	*UFRM	24x48																			
	49	EB 480/14	169+05	-	*UFRM	24x48																			
	49	WB 480/14	169+05	-	*UFRM	24x48																			
	50	WB 480/14	172+59	LT	GJ	168x84						38.1			2								98.0		2
	51	EB 480/14	179+61	-	*UFRM	24x48																			
34	51	WB 480/14	179+61	-	*UFRM	24x48																			
35	52	WB 480/14	184+14	LT	R-10-48	48x60			29.0														20.0		
	53	WB 480/14	184+14	LT	R-9A-48	48x60			31.0														20.0		
	54	EB 480/14	188+55	RT	GC	144x60					39.2				2								60.0		2
	54	EB 480/14	188+55	RT	GEP-84	84x24																	14.0		
	54a	WB 480/14	189+14	LT	N-88-54	54x42			32.5														15.7		
	55	EB 480/14	190+17	-	*UFRM	24x48																			
	55	WB 480/14	190+17	-	*UFRM	24x48																			
	56	WB 480/14	193+85	LT	IM-40-36	36x18			14.0														4.5		
	56	WB 480/14	193+85	LT	M-5-36-3	48x36																	12.0		
	57	WB 480/14	193+85	LT	M-40-36	36x18			14.0														4.5		
	57	WB 480/14	193+85	LT	M-2-36-2	36x36																	9.0		
	58	EB 480/14	196+40	RT	GE	204x120																			
	58	EB 480/14	196+40	RT	GEP-84	84x24																	170.0		
	60	WB 480/14	200+80	LT	N-89-48	48x30			26.0														14.0		
	61	WB 480/14	200+80	LT	N-41-12	12x36	10.5																		
	62	EB 480/14	200+80	-	*UFRM	24x48																			
	62	WB 480/14	200+80	-	*UFRM	24x48																			
35	63	EB 480/14	200+80	RT	N-41-12	12x36	10.5																		
TOTALS CARRIED TO SHEET 24							42.0	171.5			121.8			63.9	8							123.7	608.0	4	8

PROPOSED SIGNING SUBSUMMARY

SUM / POR - 480-0.00

kopnick@0040023117 - isz.m - Friday October 11 2002 12:14:13 PM EDT

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE <small>*-UFRM (SEE REFERENCE MARKER SHEETS)</small>	SIZE (INCHES)	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	
							GROUND MOUNTED SUPPORT, NO. 2 POST FT	GROUND MOUNTED SUPPORT, NO. 3 POST FT	GROUND MOUNTED SUPPORT, S4X7.7 BEAM FT	GROUND MOUNTED SUPPORT, W6X9 BEAM FT	GROUND MOUNTED SUPPORT, W10X12 BEAM FT	GROUND MOUNTED SUPPORT, W8X18 BEAM FT		GROUND MOUNTED SUPPORT, W12X30 BEAM FT	ONE WAY SUPPORT, NO. 3 POST FT	BREAKAWAY BEAM CONNECTION EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH							
36	64	EB 480/14	206+32	RT	GB	132x120																		
	64	EB 480/14	206+32	RT	GEP-84	84x24																110.0		
	64	EB 480/14	206+32	RT	GE	204x120																14.0		
	64	EB 480/14	206+32	RT	GEP-84	84x24																170.0		
	64	EB 480/14	206+32	RT	GEP-84	84x24																14.0		
	65	EB 480/14	209+01	RT	GF	72x60			28.2													30.0	2	
	66	EB 480/14	211+36	-	*UFRM	24x48																		
	66	WB 480/14	211+36	-	*UFRM	24x48																		
	67	EB 480/14	213+40	RT	GC	168x66																		
	68	WB 480/14	212+08	LT	W-49R-48	48x48		29.0														16.0		
	69	EB 480/14	RAMP D	RT	*UFRM	30x30																		
	70	EB 480/14	RAMP D	RT	D-4B-156	156x72					37.6											78.0		
	70	EB 480/14	RAMP D	RT	M-25-21	21x15																2.0		
	70	EB 480/14	RAMP D	RT	M-2-24-2	24x24																4.0		
36	71	EB 480/14	RAMP D	RT	D-1B-96	96x18		24.0														12.0		
37	72	WB 480/14	RAMP A	RT	*UFRM	30x30																		
	73	WB 480/14	RAMP A	RT	R-15D-30	30x30		22.0														6.2		
	74	WB SR 82	388+58	LT	GH-3	132x84																77.0		
	74	WB SR 82	388+58	LT	GH-3	132x84																77.0		
	74a	WB SR 82	387+50	LT	IM-39-24	24x12																2.0		
	74a	WB SR 82	387+50	LT	M-5-24-3	30x24		14.0														5.0		
	74a	WB SR 82	387+50	LT	IM-21-21	21x15																2.2		
	74b	WB SR 82	387+50	LT	M-39-24	24x12																2.0		
	74b	WB SR 82	387+50	LT	M-2-24-2	24x24		14.0														4.0		
	74b	WB SR 82	387+50	LT	M-21-21	21x15																2.2		
	75	WB SR 82	394+14	LT	D-4B-156	156x48					31.8											52.0	2	
	75a	WB SR 82	395+83	LT	IM-39-24	24x12																2.0		
	75a	WB SR 82	395+83	LT	M-5-24-3	30x24		14.0														5.0		
	75a	WB SR 82	395+83	LT	IM-26-21	21x15																2.2		
	76	WB SR 82	399+21	LT	IM-17-21	21x15																2.2		
	76	WB SR 82	399+21	LT	M-5-24-3	30x24																5.0		
	76	WB SR 82	399+21	LT	M-2-24-2	24x24		15.0														4.0		
	76a	WB SR 82	397+52	LT	IM-40-24	24x12																2.0		
	76a	WB SR 82	397+52	LT	M-5-24-3	30x24		14.0														5.0		
	76a	WB SR 82	397+52	LT	IM-19-21	21x15																2.2		
	77	EB SR 82	391+50	RT	M-39-24	24x12	2.0															2.0		
	78	WB 480/14	RAMP B	RT	R-43R-36	36x12																3.0		
	78	WB 480/14	RAMP B	RT	R-43L-36	36x12																3.0		
	78	WB 480/14	RAMP B	RT	R-41B-36	36x36																9.0		
	79	WB 480/14	RAMP B	LT	R-43R-36	36x12																3.0		
	79	WB 480/14	RAMP B	LT	R-43L-36	36x12																3.0		
	79	WB 480/14	RAMP B	LT	R-41B-36	36x36																9.0		
	80	WB 480/14	RAMP B	RT	R-41A-36	36x24	11.5															6.0		
	81	WB 480/14	RAMP B	LT	R-41A-36	36x24	11.5															6.0		
	82	EB 480/14	RAMP B	RT	*UFRM	30x30																		
	83	WB 480/14	RAMP B	RT	M-2-24-2	24x24																4.0		
	83	WB 480/14	RAMP B	RT	M-25-21	21x15																2.2		
	83	WB 480/14	RAMP B	RT	D-4B-156	156x72																		
	83	WB 480/14	RAMP B	RT	D-4B-156	156x72																		
	84	EB 480/14	226+00	RT	W-49R-48	48x48		29.0														16.0		
TOTALS CARRIED TO SHEET 24							25.0	175.0	28.2	31.8	112.2				54.0	6						153.4	777.0	6

PROPOSED SIGNING SUBSUMMARY

SUM / POR - 480 - 0.00

CALCULATED
TAK
CHECKED
JL

Kopnik@D04C00234117 - 12:14:32 PM EDT

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE <small>*-UFRM (SEE REFERENCE MARKER SHEETS)</small>	SIZE (INCHES)	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630		
							GROUND MOUNTED SUPPORT, NO. 2 POST FT	GROUND MOUNTED SUPPORT, NO. 3 POST FT	GROUND MOUNTED SUPPORT, 54X7.7 BEAM FT	GROUND MOUNTED SUPPORT, W6X9 BEAM FT	GROUND MOUNTED SUPPORT, W10X12 BEAM FT	GROUND MOUNTED SUPPORT, W8X18 BEAM FT		GROUND MOUNTED SUPPORT, W12X30 BEAM FT	ONE WAY SUPPORT, NO. 3 POST FT	BREAKAWAY BEAM CONNECTION EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH								
37	85	EB 480/14	RAMP C	RT	*UFRM	30x30																			
	86	EB 480/14	RAMP C	RT	*UFRM	30x30																			
	87	EB 480/14	RAMP C	RT	R-15D-30	30x30		22.0																	
	89	EB SR 82	382+65	RT	GH-3	132x84																			
	89	WB SR 82	382+65	RT	GH-3	132x84																			
	89a	EB SR 82	384+00	RT	IM-40-24	24x12																			
	89a	EB SR 82	384+00	RT	M-5-24-3	30x24		14.0																	
	89a	EB SR 82	384+00	RT	IM-21-21	21x15																			
	89b	EB SR 82	384+00	RT	M-40-24	24x12																			
	89b	EB SR 82	384+00	RT	M-2-24-2	24x24		14.0																	
	89b	EB SR 82	384+00	RT	M-21-21	21x15																			
	90	EB SR 82	374+86	RT	M-52A-108	108x30																			
	90	EB SR 82	374+86	RT	M-52A-108	108x30																			
	90a	EB SR 82	380+18	RT	D-4B-156	156x48																			
	91	EB SR 82	370+44	RT	IM-17-21	21x15																			
	91	EB SR 82	370+44	RT	M-5-24-3	30x24		15.0																	
	91	EB SR 82	370+44	RT	M-2-24-2	24x24																			
	92	WB 480/14	RAMP D	LT	R-43R-36	36x12																			
	92	WB 480/14	RAMP D	LT	R-43L-36	36x12																			
	92	WB 480/14	RAMP D	LT	R-41B-36	36x36																			
	92a	EB 480/14	RAMP D	RT	R-43L-36	36x12																			
	92a	EB 480/14	RAMP D	RT	R-43R-36	36x12																			
	92a	EB 480/14	RAMP D	RT	R-41B-36	36x36																			
	93	WB 480/14	RAMP D	RT	R-41A-36	36x24	11.5																		
	94	WB 480/14	RAMP D	LT	R-41A-36	36x24	11.5																		
	95	EB 480/14	221+92	-	*UFRM	24x48																			
37	95	WB 480/14	221+92	-	*UFRM	24x48																			
38	96	WB 480/14	228+73	LT	GF	72x60																			
	97	WB 480/14	231+99	LT	GEP-84	84x24																			
	97	WB 480/14	231+99	LT	GE	204x150																			
	98	EB 480/14	232+48	-	*UFRM	24x48																			
	98	WB 480/14	232+48	-	*UFRM	24x48																			
	99	WB 480/14	238+76	LT	GEP-84	84x24																			
	99	WB 480/14	238+76	LT	GE	168x150																			
	100	EB 480/14	240+80	RT	GEP-84	84x24																			
	100	EB 480/14	240+80	RT	GE	168x150																			
	101	EB 480/14	243+04	-	*UFRM	24x48																			
	101	WB 480/14	243+04	-	*UFRM	24x48																			
	102	EB 480/14	247+41	RT	GEP-84	84x24																			
	102	EB 480/14	247+41	RT	GE	204x150																			
	103	WB 480/14	247+63	RT	W-49R-48	48x48		29.0																	
	104	EB 480/14	249+90	RT	GF	72x60																			
38	105	WB 480/14	RAMP H	RT	*UFRM	30x30																			
39	106	WB 480/14	253+39	LT	N-41-12	12x36	10.5																		
	107	EB 480/14	253+39	-	*UFRM	24x48																			
	107	WB 480/14	253+39	-	*UFRM	24x48																			
	108	EB 480/14	253+39	RT	N-41-12	12x36	10.5																		
	109	EB 480/14	255+30	RT	X-6L-12	12x36	10.5																		
	110	EB 480/14	255+48	RT	X-6R-12	12x36	10.5																		
	110	EB 480/14	255+48	RT	SPECIAL	12x12	6.5																		
	111	WB 480/14	257+27	LT	X-6R-12	12x36	10.5																		
39	111	WB 480/14	257+27	LT	SPECIAL	12x12	6.5																		
TOTALS CARRIED TO SHEET 24							88.5	94.0	57.7	63.5					54.0	6						102.8	1090.0	2	6

CALCULATED
 TAK
 CHECKED
 JL
PROPOSED SIGNING SUBSUMMARY
SUM / POR - 480-0.00
 18
 75

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE <small>*-UFRM (SEE REFERENCE MARKER SHEETS)</small>	SIZE (INCHES)	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630		
							GROUND MOUNTED SUPPORT, NO. 2 POST FT	GROUND MOUNTED SUPPORT, NO. 3 POST FT	GROUND MOUNTED SUPPORT, S4X7.7 BEAM FT	GROUND MOUNTED SUPPORT, W6X9 BEAM FT	GROUND MOUNTED SUPPORT, W10X12 BEAM FT	GROUND MOUNTED SUPPORT, W8X18 BEAM FT		GROUND MOUNTED SUPPORT, W12X30 BEAM FT	ONE WAY SUPPORT, NO. 3 POST FT	BREAKAWAY BEAM CONNECTION EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH							SIGN, FLAT SHEET, TYPE G SQ FT
39	112	WB 480/14	257+45	LT	X-6L-12	12x36	10.5															3.0		
	113	NB SR 91	19+00	RT	GH-3	132x60																		
	114	SB SR 91	20+75	LT	GH-3	144x60																		
	115	SB SR 91	22+51	LT	GH-3	132x84																		
	115	NB SR 91	22+51	LT	GH-3	132x84																		
	116	WB 480/14	RAMP H	RT	R-15D-30	30x30		22.0														6.2		
	118	SB SR 91	25+67	LT	D-4B-156	156x48				30.0					2							52.0		2
	119	SB SR 91	29+67	LT	M-52A-108	108x30				31.6					2							22.5		2
	119	SB SR 91	29+67	LT	M-52A-108	108x30																22.5		
	120	SB SR 91	33+06	LT	IM-17-21	21x15																2.0		
	120	SB SR 91	33+06	LT	M-5-24-3	30x24		14.5														5.0		
	120	SB SR 91	33+06	LT	M-2-24-2	24x24																4.0		
	122	WB 480/14	RAMP E	RT	R-31F-36	36x30																7.5		
	122	WB 480/14	RAMP E	RT	R-41B-36	36x36		25.0														9.0		
	123	WB 480/14	RAMP E	LT	R-43R-36	36x12																3.0		
	123	WB 480/14	RAMP E	LT	R-43L-36	36x12																3.0		
	123	WB 480/14	RAMP E	LT	R-41B-36	36x36								27.0								9.0		
	124	WB 480/14	RAMP E	LT	R-41A-36	36x24	11.5															5.0		
	125	WB 480/14	RAMP E	RT	R-41A-36	36x24	11.5															5.0		
	126	WB 480/14	RAMP E	RT	R-31F-36	36x30																7.5		
	126	WB 480/14	RAMP E	RT	D-1B-96	96x18		27.0														12.0		
	127	WB 480/14	RAMP E	RT	M-2-24-2	24x24																4.0		
	127	WB 480/14	RAMP E	RT	M-25-21	21x15																2.2		
	127	WB 480/14	RAMP E	RT	D-4B-156	156x72				36.4					2								78.0	2
	127	WB 480/14	RAMP E	RT	D-1B-108	108x18																13.5		
	128	WB 480/14	RAMP E	RT	*UFRM	30x30																		
	129	EB 480/14	RAMP F	RT	*UFRM	30x30																		
	130	EB 480/14	RAMP F	RT	R-15D-30	30x30		22.0														6.2		
	131	NB SR 91	17+68	RT	GH-3	132x84																	77.0	
	131	SB SR 91	17+68	RT	GH-3	132x84																	77.0	
	132	NB SR 91	13+94	RT	D-4B-156	156x48				38.1					2							52.0		2
	133	NB SR 91	10+13	RT	M-52A-108	108x30																22.5		
	133	NB SR 91	10+13	RT	M-52A-108	108x30				33.7					2							22.5		2
	134	NB SR 91	3+79	RT	IM-17-21	21x15																2.2		
	134	NB SR 91	3+79	RT	M-5-24-3	30x24		14.5														7.5		
39	134	NB SR 91	3+79	RT	M-2-24-2	24x24																9.0		
39	135	EB 480/14	RAMP G	RT	R-41B-36	36x36		25.0														9.0		
	136	EB 480/14	RAMP G	LT	R-43R-36	36x12																3.0		
	136	EB 480/14	RAMP G	LT	R-43L-36	36x12																3.0		
	136	EB 480/14	RAMP G	LT	R-41B-36	36x36								27.0								9.0		
	137	EB 480/14	RAMP G	RT	R-41A-36	36x24	11.5															6.0		
	138	EB 480/14	RAMP G	LT	R-41A-36	36x24	11.5															6.0		
	139	EB 480/14	RAMP G	RT	D-1B-96	96x24		23.0														16.0		
	140	EB 480/14	RAMP G	RT	R-31F-36	36x30		24.0														7.5		
	141	EB 480/14	RAMP G	RT	M-2-24-2	24x24																4.0		
	141	EB 480/14	RAMP G	RT	M-25-21	21x15																2.2		
	141	EB 480/14	RAMP G	RT	D-4B-156	156x72				38.1					2								78.0	2
	141	EB 480/14	RAMP G	RT	D-1B-108	108x18																13.5		
39	142	EB 480/14	RAMP G	RT	*UFRM	30x30																		
	143	WB 480/14	RAMP E	RT	*UFRM	30x30																		
	144	WB 480/14	RAMP E	RT	W-47-48	48x48		27.0														16.0		
	145	EB 480/14	263+95	-	*UFRM	24x48																		
40	145	WB 480/14	263+95	-	*UFRM	24x48																		
TOTALS CARRIED TO SHEET 24							56.5	224.0		95.3	112.6			54.0	12							221.0	773.0	12

PROPOSED SIGNING SUBSUMMARY

SUM / POR - 480-0.00

CALCULATED
TAK
CHECKED
JL

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE <small>*-UFRM (SEE REFERENCE MARKER SHEETS)</small>	SIZE (INCHES)	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630			
							GROUND MOUNTED SUPPORT, NO. 2 POST FT	GROUND MOUNTED SUPPORT, NO. 3 POST FT	GROUND MOUNTED SUPPORT, 54X7.7 BEAM FT	GROUND MOUNTED SUPPORT, W6X9 BEAM FT	GROUND MOUNTED SUPPORT, W10X12 BEAM FT	GROUND MOUNTED SUPPORT, W8X18 BEAM FT		GROUND MOUNTED SUPPORT, W12X30 BEAM FT	ONE WAY SUPPORT, NO. 3 POST FT	BREAKAWAY BEAM CONNECTION EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH								SIGN, FLAT SHEET, TYPE G SO FT
40	146	EB 480/14	263+01	RT	W-49R-48	48x48		29.0														16.0			
	147	WB 480/14	266+05	LT	GF	72x60			27.3														30.0	2	
	148	WB 480/14	269+71	LT	GEP-84	84x24																	14.0		
	148	WB 480/14	269+71	LT	GB	168x150																	175.0		
	148	WB 480/14	269+71	LT	GEP-84	84x24																	14.0		
	148	WB 480/14	269+71	LT	GE	204x120																	170.0		
	149	EB 480/14	274+51	-	*UFRM	24x48																			
	149	WB 480/14	274+51	-	*UFRM	24x48																			
	150	WB 480/14	278+84	LT	GEP-84	84x24																	14.0		
	150	WB 480/14	278+84	LT	GE	204x120																	175.0		
	151	EB 480/14	284+33	LT	IM-39-36	36x18																4.5			
	151	EB 480/14	284+33	LT	M-5-36-3	48x36		14.5														12.0			
	152	EB 480/14	284+33	LT	M-39-36	36x18																4.5			
	152	EB 480/14	284+33	LT	M-2-36-2	36x36		15.0														9.0			
	153	EB 480/14	285+07	-	*UFRM	24x48																			
40	153	WB 480/14	285+07	-	*UFRM	24x48																			
41	154	EB 480/14	294+15	RT	R-10-48	48x60		29.0														20.0			
	155	EB 480/14	294+15	RT	R-9A-48	48x60		31.0														20.0			
	156	EB 480/14	295+63	-	*UFRM	24x48																			
	156	WB 480/14	295+63	-	*UFRM	24x48																			
	157	EB 480/14	296+37	-	R-123-36	36x36		12.5														9.0			
	157	EB 480/14	296+37	-	R-19-24	24x30																5.0			
	158	WB 480/14	296+92	-	R-123-36	36x36		12.5														9.0			
	158	WB 480/14	296+92	-	R-19-24	24x30																5.0			
	160	WB 480/14	303+11	LT	GEP-84	84x24																	14.0		
	160	WB 480/14	303+11	LT	GB	168x144					63.0		2									168.0	2		
	160a	EB 480/14	304+25	RT	GJ	156x84		46.9					2											2	
	161	WB 480/14	306+65	LT	N-41-12	12x36	10.5																	1	
	162	EB 480/14	306+65	-	*UFRM	24x48																			
	162	WB 480/14	306+65	-	*UFRM	24x48																			
	163	EB 480/14	306+65	RT	N-89-48	48x30		26.0														10.0			
	163	EB 480/14	306+65	RT	N-41-12	12x36																		1	
41	163a	EB 480/14	309+25	RT	R-70-48	48x36		25.0														36.0			
42	164	WB 480/14	311+93	RT	GEP-84	84x24																	14.0		
	164	WB 480/14	311+93	RT	GC	144x60					50.0			2								60.0		2	
	164	WB 480/14	311+93	RT	GA-1	144x60																60.0			
	165	EB 480/14	317+21	-	*UFRM	24x48																			
	165	WB 480/14	317+21	-	*UFRM	24x48																			
	166	WB 480/14	318+66	LT	GN	108x42			31.8					2									31.5	2	
	167	EB 480/14	327+77	-	*UFRM	24x48																			
42	167	WB 480/14	327+77	-	*UFRM	24x48																			
43	168	EB 480/14	338+33	-	*UFRM	24x48																			
	168	WB 480/14	338+33	-	*UFRM	24x48																			
	169	EB 480/14	348+89	-	*UFRM	24x48																			
	169	WB 480/14	348+89	-	*UFRM	24x48																			
	170	WB 480/14	352+96	LT	R-70-48	48x36		25.0														12.0			
	173	WB 480/14	358+80	LT	N-41-12	12x36	10.5																	1	
	174	EB 480/14	358+80	-	*UFRM	24x48																			
	174	WB 480/14	358+80	-	*UFRM	24x48																			
43	176	EB 480/14	358+80	RT	N-41-12	12x36	10.5																	1	
TOTALS CARRIED TO SHEET 24							31.5	219.5	59.1		50.0	46.9	63.0	10								172.0	939.5	4	10

PROPOSED SIGNING SUBSUMMARY

SUM / POR - 480-0.00

CALCULATED
TAK
CHECKED
JL

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE *-UFRM (SEE REFERENCE MARKER SHEETS)	SIZE (INCHES)	630	630	630	630	630	630		630	630	630	630		630	630	630	630			
							GROUND MOUNTED SUPPORT, NO. 2 POST FT	GROUND MOUNTED SUPPORT, NO. 3 POST FT	GROUND MOUNTED SUPPORT, S4X7.7 BEAM FT	GROUND MOUNTED SUPPORT, W6X9 BEAM FT	GROUND MOUNTED SUPPORT, W10X12 BEAM FT	GROUND MOUNTED SUPPORT, W8X18 BEAM FT		GROUND MOUNTED SUPPORT, W12X30 BEAM FT	ONE WAY SUPPORT, NO. 3 POST FT	BREAKAWAY BEAM CONNECTION EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH							SIGN, FLAT SHEET, TYPE G SQ FT	SIGN, EXTRUSHEET, TYPE G SQ FT
44	177	EB 480/14	369+36	-	*UFRM	24x48																			
	177	WB 480/14	369+36	-	*UFRM	24x48																			
	178	EB 480/14	379+92	-	*UFRM	24x48																			
44	178	WB 480/14	379+92	-	*UFRM	24x48																			
45	180	EB 480/14	387+78	-	R-123-36	36x36		12.5														9.0			
	180	EB 480/14	387+78	-	R-19-24	24x30																5.0			
	181	WB 480/14	389+10	-	R-123-36	36x36		12.5														9.0			
	181	WB 480/14	389+10	-	R-19-24	24x30																5.0			
	182	EB 480/14	390+48	-	*UFRM	24x48																			
	182	WB 480/14	390+48	-	*UFRM	24x48																			
	183	EB 480/14	393+61	RT	GN	84x42			33.6						2							28.0	2		
	184	EB 480/14	393+97	RT	X-6L-12	12x36	10.5															3.0			
	185	EB 480/14	394+21	RT	X-6R-12	12x36	10.5															3.0			
	185	EB 480/14	394+21	RT	SPECIAL	12x12	6.5																		
	186	WB 480/14	394+98	LT	X-6R-12	12x36	10.5															3.0			
	186	WB 480/14	394+98	LT	SPECIAL	12x12	6.5																		
	187	WB 480/14	395+23	LT	X-6L-12	12x36	10.5															3.0			
	188	EB 480/14	401+04	-	*UFRM	24x48																			
45	188	WB 480/14	401+04	-	*UFRM	24x48																			
46	189	WB 480/14	411+71	LT	N-89-48	48x30		26.0														10.0			
	190	WB 480/14	411+71	LT	N-41-12	12x36	10.5																1		
	191	EB 480/14	411+71	-	*UFRM	24x48																			
	191	WB 480/14	411+71	-	*UFRM	24x48																			
	192	EB 480/14	411+71	RT	N-41-12	12x36	10.5																1		
	193	EB 480/14	411+71	RT	N-89-48	48x30		26.0														10.0			
	194	EB 480/14	422+27	-	*UFRM	24x48																			
46	194	WB 480/14	422+27	-	*UFRM	24x48																			
47	195	EB 480/14	430+75	RT	GEP-84	84x24																			
	195	EB 480/14	430+75	RT	GB	144x72			40.1						2							14.0			
	196	EB 480/14	432+83	-	*UFRM	24x48																72.0	2		
	196	WB 480/14	432+83	-	*UFRM	24x48																			
	197	WB 480/14	433+84	RT	SPECIAL	72x48		23.0														24.0			
	198	EB 480/14	443+39	-	*UFRM	24x48																			
	198	WB 480/14	443+83	-	*UFRM	24x48																			
	199	EB 480/14	448+86	RT	GEP-84	84x24																			
	199	EB 480/14	448+86	RT	GC	144x84				46.2					2							14.0			
	200	WB 480/14	450+13	LT	GJ	144x84				47.2					2							84.0	2		
47	201	EB 480/14	450+57	RT	W-68-48	48x48		27.0														16.0			
48	202	EB 480/14	453+95	-	*UFRM	24x48																			
	202	WB 480/14	453+95	-	*UFRM	24x48																			
	203	EB 480/14	454+65	RT	X-6L-12	12x36	10.5															3.0			
	204	EB 480/14	454+65	RT	X-6R-12	12x36	10.5															3.0			
	205	WB 480/14	457+40	LT	X-6R-12	12x36	10.5															3.0			
	205	WB 480/14	457+40	LT	SPECIAL	12x12	6.5																		
	206	WB 480/14	457+40	LT	X-6L-12	12x36	10.5															3.0			
	207	WB 480/14	458+50	RT	GP	120x60				43.6					2							50.0	2		
48	207	WB 480/14	458+50	RT	GN	120x42																35.0			
TOTALS CARRIED TO SHEET 24							124.5	127.0	33.6		83.7	93.4			10							112.0	381.0	2	10

PROPOSED SIGNING SUBSUMMARY

SUM / POR - 480-0.00

CALCULATED
TAK
CHECKED
JL

SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE *UFRM (SEE REFERENCE MARKER SHEETS)	SIZE (INCHES)	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	
							GROUND MOUNTED SUPPORT, NO. 2 POST FT	GROUND MOUNTED SUPPORT, NO. 3 POST FT	GROUND MOUNTED SUPPORT, 54X7.7 BEAM FT	GROUND MOUNTED SUPPORT, W6X9 BEAM FT	GROUND MOUNTED SUPPORT, W10X12 BEAM FT	GROUND MOUNTED SUPPORT, W8X18 BEAM FT		GROUND MOUNTED SUPPORT, W12X30 BEAM FT	ONE WAY SUPPORT, NO. 3 POST FT	BREAKAWAY BEAM CONNECTION EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH							SIGN, FLAT SHEET, TYPE G SQ FT
50	238	EB FROST RD	37+24	RT	M-52A-108	108x30																		
	238	EB FROST RD	37+24	RT	M-52A-108	108x30				31.6														
	239	EB FROST RD	-	LT	IM-17-21	21x15																		
	239	EB FROST RD	-	LT	M-5-24-3	30x24		14.0														2.2		
	239	EB FROST RD	-	LT	M-2-24-2	24x24																5.0		
	240	EB FROST RD	48+20	RT	IM-40-24	24x12																4.0		
	240	EB FROST RD	48+20	RT	M-5-24-3	30x24		14.0														2.0		
	240	EB FROST RD	48+20	RT	IM-21-21	21x15																5.0		
	241	EB FROST RD	48+20	RT	M-40-24	24x12																2.2		
	241	EB FROST RD	48+20	RT	M-2-24-2	24x24		14.0														2.0		
	241	EB FROST RD	48+20	RT	M-21-21	21x15																4.0		
	242	EB 480/14	RAMP K	RT	R-15D-30	30x30		22.0														2.2		
	243	EB 480/14	RAMP K	RT	*UFRM	30x30																6.2		
	244	EB 480/14	45+00	RT	W-55-144	144x48				35.0				2								48.0	2	
	245	EB 480/14	45+00	RT	W-55-144	144x48				35.1				2								48.0	2	
	246	EB 480/14	47+00	RT	W-49R-48	48x48		27.0														16.0		
	247	EB 480/14	47+99	-	*UFRM	24x48																		
	247	WB 480/14	47+99	-	*UFRM	24x48																		
	248	EB 480/14	RAMP K	RT	*UFRM	30x30																		
	249	EB FROST RD	48+20	RT	IM-39-24	24x12																2.0		
	249	EB FROST RD	48+20	RT	M-5-24-3	30x24		14.0														5.0		
	249	EB FROST RD	48+20	RT	IM-21-21	21x15																2.2		
	250	EB FROST RD	52+20	RT	M-39-24	24x12																2.0		
	250	EB FROST RD	52+20	RT	M-2-24-2	24x24		14.0														4.0		
	250	EB FROST RD	52+20	RT	M-21-21	21x15																2.2		
	251	WB 480/14	RAMP I	RT	R-15D-30	30x30		22.0														6.2		
	252	EB FROST RD	59+47	LT	M-52A-108	108x30																22.5		
	252	EB FROST RD	59+47	LT	M-52A-108	108x30				33.9				2									2	
	253	WB FROST RD	-	RT	M-17-21	21x15																2.2		
	253	WB FROST RD	-	RT	M-2-24-2	24x24		12.0														4.0		
	254	WB FROST RD	-	RT	IM-17-21	21x15																2.2		
	254	WB FROST RD	-	RT	M-5-24-3	30x24		12.0														5.0		
	255	EB 480/14	RAMP J	RT	D-4D-144	144x24																24.0		
	255	EB 480/14	RAMP J	RT	D-4E-144	144x36				39.4				2									2	
	256	WB 480/14	RAMP J	LT	R-41B-36	36x36							27.0									9.0		
	256	WB 480/14	RAMP J	LT	R-43L-36	36x12																3.0		
	256	WB 480/14	RAMP J	LT	R-43R-36	36x12																3.0		
	257	WB 480/14	RAMP J	RT	R-41B-36	36x36							27.0									9.0		
	257	WB 480/14	RAMP J	LT	R-43L-36	36x12																3.0		
	257	WB 480/14	RAMP J	LT	R-43R-36	36x12																3.0		
	258	WB 480/14	RAMP J	RT	W-47-48	48x48		27.0														16.0		
	259	WB 480/14	RAMP J	RT	R-41A-36	36x24	11.5															6.0		
	260	WB 480/14	RAMP J	LT	R-41A-36	36x24	11.5															6.0		
50	262	WB 480/14	RAMP J	RT	*UFRM	30x30																		
51	264	WB 480/14	52+29	LT	GF	72x60			28.1				2									30.0	2	
	265	WB 480/14	55+23	LT	GEP-84	84x24																14.0		
	265	WB 480/14	55+23	LT	GE	132x78																78.0		
	266	WB 480/14	58+93	LT	N-41-12	12x36	10.5																	
	267	EB 480/14	58+93	-	*UFRM	24x48																		
	267	WB 480/14	58+93	-	*UFRM	24x48																		
	268	EB 480/14	58+93	RT	N-41-12	12x36	10.5																	
51	268a	EB 480/14	62+00	RT	W-68-48	48x48		27.0														16.0		
	269	WB 480/14	64+85	LT	GEP-84	84x24																		
	269	WB 480/14	64+85	LT	GB	156x72				38.4				2								14.0		
TOTALS CARRIED TO SHEET 24							44.0	210.0	28.1	135.6	77.8			54.0	14						257.8	271.0	2	14

PROPOSED SIGNING SUBSUMMARY

SUM / POR - 480-0.00

kopnick@D04C00234117 - 1s2.m - Friday October 11 2002 12:17:17 PM EDT

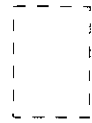
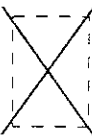
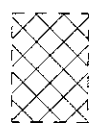
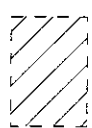
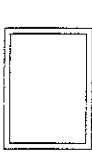
SHEET NO.	REFERENCE NO.	LOCATION	STATION	SIDE	CODE <small>*-UFRM (SEE REFERENCE MARKER SHEETS)</small>	SIZE (INCHES)	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630						
							GROUND MOUNTED SUPPORT, NO. 2 POST FT	GROUND MOUNTED SUPPORT, NO. 3 POST FT	GROUND MOUNTED SUPPORT, 54X7.7 BEAM FT	GROUND MOUNTED SUPPORT, W6X9 BEAM FT	GROUND MOUNTED SUPPORT, W10X12 BEAM FT	GROUND MOUNTED SUPPORT, W8X18 BEAM FT		GROUND MOUNTED SUPPORT, W12X30 BEAM FT	ONE WAY SUPPORT, NO. 3 POST FT	BREAKAWAY BEAM CONNECTION EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH												
51	269a	EB 480/14	64+00	RT	R-11A-48	48x60		30.0																					
	269b	EB 480/14	64+00	RT	R-11A-48	48x60		30.0																					
	270	EB 480/14	68+00	RT	GEP-84	84x24																							
	270	EB 480/14	68+00	RT	GB	192x150																14.0							
	271	EB 480/14	68+27	RT	X-6R-12	12x36	10.5															3.0							
	272	WB 480/14	68+59	LT	N-89-48	48x30		26.0														10.0							
	273	EB 480/14	69+11	-	*UFRM	24x48																							
	273	WB 480/14	69+11	-	*UFRM	24x48																							
	274	WB 480/14	72+38	LT	X-6R-12	12x36	10.5															3.0							
	274	WB 480/14	72+38	LT	SPECIAL	12x12	6.5																						
	275	WB 480/14	72+72	LT	GEP-84	84x24																							
51	275	WB 480/14	72+72	LT	GC	144x84					40.2					2						14.0							
52	276	EB 480/14	75+75	RT	GG	156x114																84.0	2						
	276	EB 480/14	75+75	RT	GEP-84	84x24																123.5							
	276	EB 480/14	75+75	RT	GE	228x120																14.0							
	277	WB FROST RD	-	RT	IM-40-36	36x18																190.0							
	277	WB FROST RD	-	RT	M-5-36-3	48x36		14.5														4.5							
	278	WB FROST RD	-	RT	M-40-36	36x18																12.0							
	278	WB FROST RD	-	RT	M-2-36-2	36x36		15.0														4.5							
52	279	EB 480/14	77+20	RT	GF	72x60			27.5							2						9.0							
	280	EB 480/14	RAMP G	RT	*UFRM	30x30																	2						
	281	WB 480/14	81+38	LT	R-2-48	48x48		27.0														8.0							
	282	EB 480/14	81+50	RT	W-49R-48	48x48		27.0														16.0							
	283	EB 480/14	RAMP H	RT	*UFRM	30x30																							
	284	EB 480/14	83+00	RT	R-2-48	48x48		27.0														8.0							
52	285	WB 480/14	83+27	LT	W-49R-48	48x48		27.0														16.0							
52	286	WB 480/14	RAMP F	RT	*UFRM	30x30																							
	287	EB 480/14	85+05	RT	R-10-48	48x60																20.0							
	288	EB 480/14	85+05	RT	R-10-48	48x60		29.0														20.0							
	289	WB 480/14	86+14	LT	R-9A-48	48x60		31.0														20.0							
	290	WB 480/14	86+14	LT	R-10-48	48x60		29.0														20.0							
	291	WB 480/14	RAMP E	RT	*UFRM	30x30																							
	292	EB 480/14	86+90	RT	W-86-48	48x48		29.0														16.0							
	296	WB 480/14	89+73	LT	GG	204x90																	127.5						
	296	WB 480/14	89+73	LT	GEP-84	84x24																14.0							
	296	WB 480/14	89+73	LT	GB	144x78																78.0							
	296	WB 480/14	89+73	LT	GE	228x120																190.0							
	297	WB SR 14	107+23	LT	GB	120x96					41.8					2						80.0	2						
	298	WB SR 14	120+24	LT	GC	144x66					30.2					2						66.0	2						
52	299	WB SR 14	133+18	LT	GB	120x96										2						80.0	2						
TOTALS FROM SHEET 15							191.0	142.0	54.7		45.7	143.3					12							143.7	419.5	4	12		
TOTALS FROM SHEET 16							42.0	171.5			121.8			63.9		8									123.7	608.0	4	8	
TOTALS FROM SHEET 17							25.0	175.0	28.2	31.8	112.2				54.0	6									153.4	777.0	4	6	
TOTALS FROM SHEET 18							88.5	94.0	57.7	63.5					54.0	6										102.8	1090.0	2	6
TOTALS FROM SHEET 19							56.5	224.0			95.3	112.6				54.0	12									221.0	773.0		12
TOTALS FROM SHEET 20							31.5	219.5	59.1		50.0	46.9		63.0			10									172.0	939.5	4	10
TOTALS FROM SHEET 21							124.5	127.0	33.6		83.7	93.4					10									112.0	381.0	2	10
TOTALS FROM SHEET 22							86.0	168.5	28.7	69.9	119.6	41.6			54.0	14										244.0	678.5	2	14
TOTALS FROM SHEET 23							44.0	219.0	28.1	135.6	77.8				54.0	14										257.8	271.0	2	14
TOTALS FROM THIS SHEET							27.5	341.5	27.5	30.2	125.5					10		1								230.0	1275.0		10
TOTALS CARRIED TO GENERAL SUMMARY							716.5	1882.0	317.8	426.3	848.9	325.2		126.9	270.0	102	1								1760.4	7212.5	20	102	

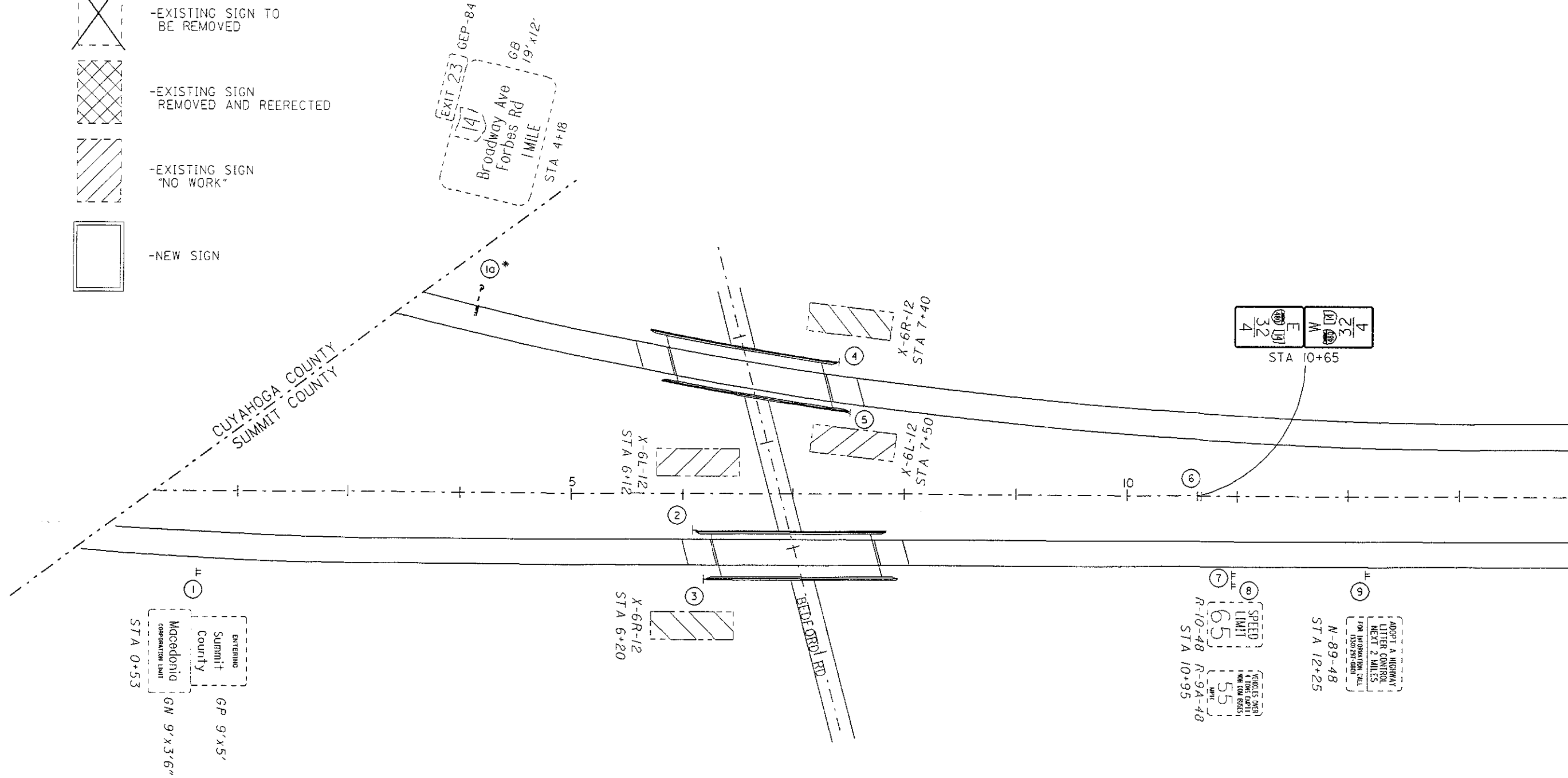
PROPOSED SIGNING SUBSUMMARY

SUM / POR - 480-0.00

CALCULATED
TAK
CHECKED
JL

LEGEND

-  -EXISTING SIGN TO BE REPLACED WITH NEW
-  -EXISTING SIGN TO BE REMOVED
-  -EXISTING SIGN REMOVED AND REERECTED
-  -EXISTING SIGN "NO WORK"
-  -NEW SIGN



MATCH LINE STA 14+00



HORIZONTAL SCALE IN FEET
0 50 100

CALCULATED TAK
CHECKED KC

**SIGNING PLAN
STA 4+00 TO STA 14+00**

SUM / POR - 480 - 0.00

FOR CROSS SECTIONS SEE SHEET 53
* - REUSE EXISTING SUPPORT

ENTERING
Summit
County
Macedonia
COOPERATION LIMIT
STA 0+53
GN 9'x3'6"
GP 9'x5'

X-6R-12
STA 6+20

X-6L-12
STA 6+12

X-6R-12
STA 7+40

X-6L-12
STA 7+50

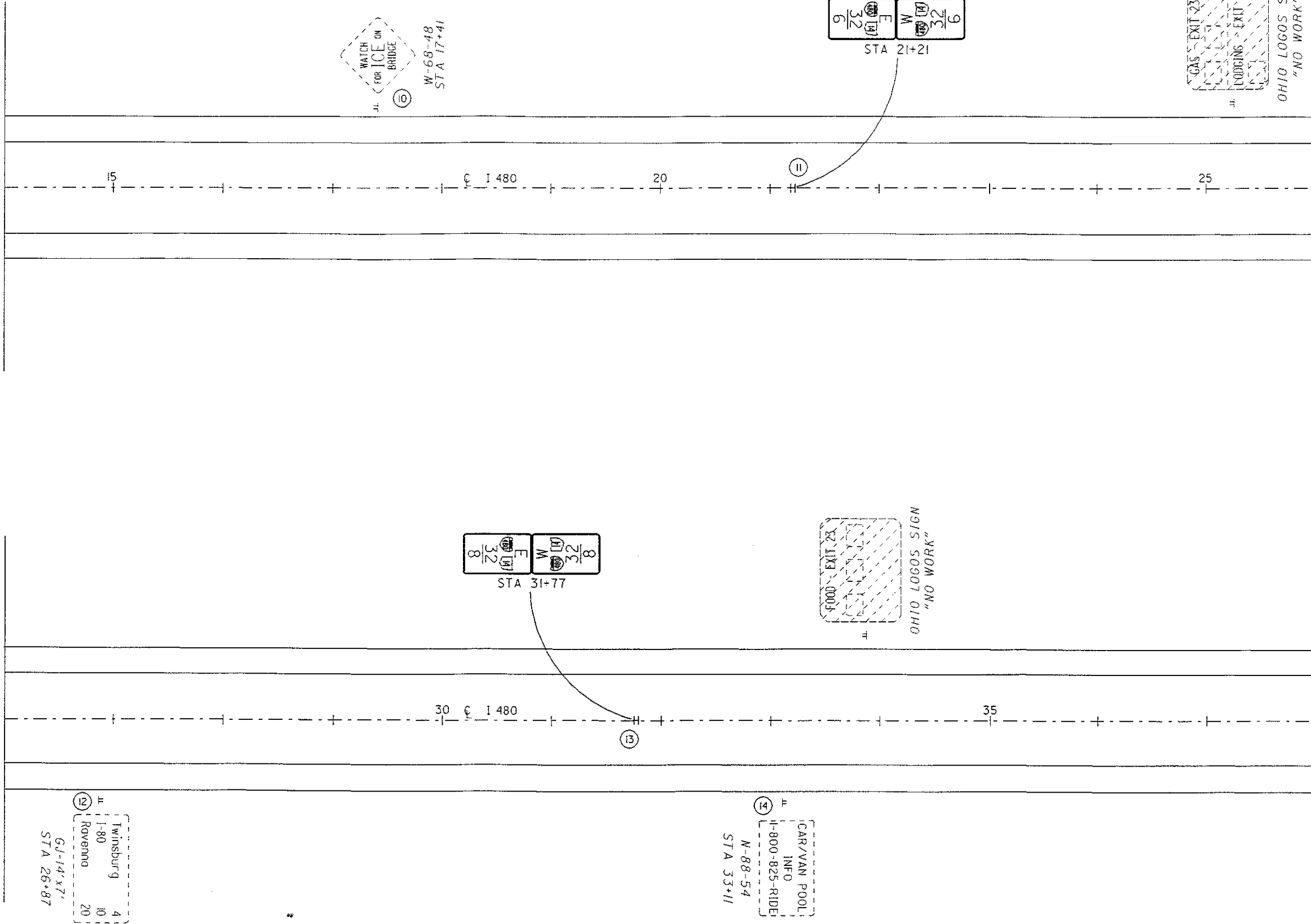
SPEED LIMIT
65
R-10-48 R-9A-48
STA 10+95

ADOPT A HIGHWAY
LITTER CONTROL
NEXT 2 MILES
FOR INFORMATION CALL
1-800-291-6880
N-89-48
STA 12+25

4
32
E
M
32
4
STA 10+65

MATCH LINE STA 14+00

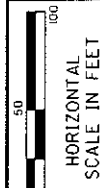
MATCH LINE STA 26+00



MATCH LINE STA 26+00

MATCH LINE STA 38+00

FOR CROSS SECTIONS SEE SHEET 53



CALCULATED
TAK
CHECKED
KG

SIGNING PLAN
STA 14+00 TO STA 38+00

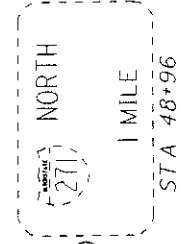
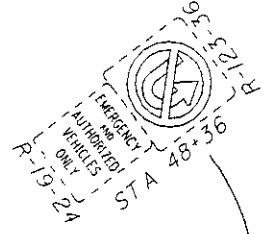
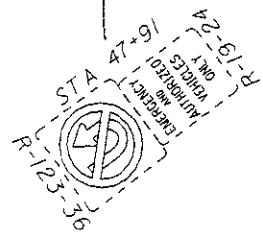
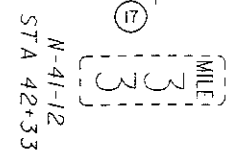
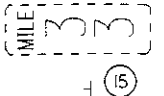
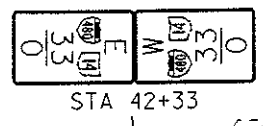
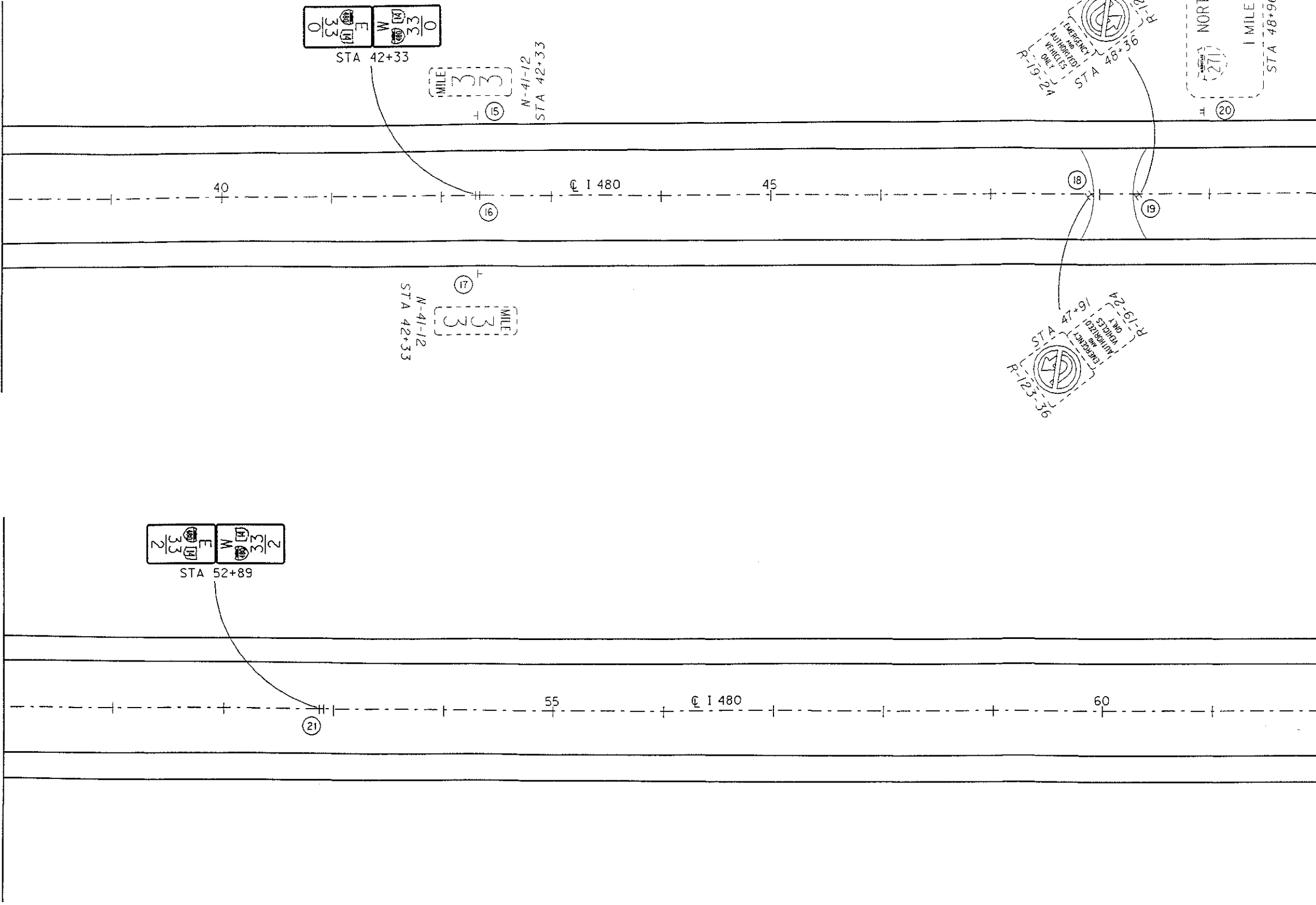
SUM / POR - 480 - 0.00

MATCH LINE STA 38+00

MATCH LINE STA 50+00

MATCH LINE STA 50+00

MATCH LINE STA 62+00

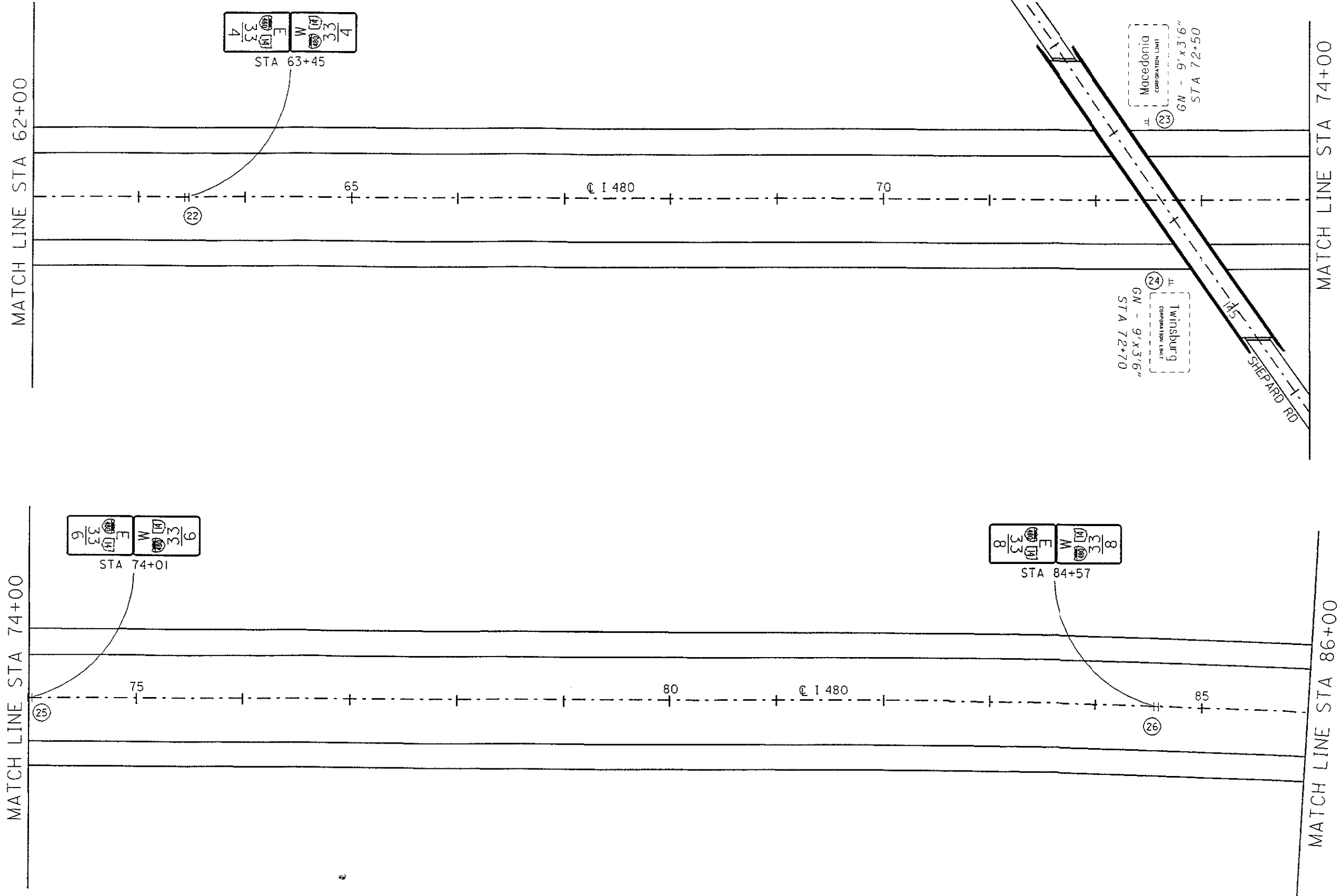


FOR CROSS SECTIONS SEE SHEET 53

CALCULATED	TAK
CREATED	KG

SIGNING PLAN
STA 38+00 TO STA 62+00

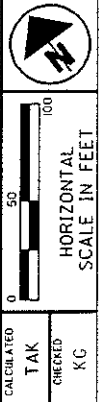
SUM / POR - 480 - 0.00



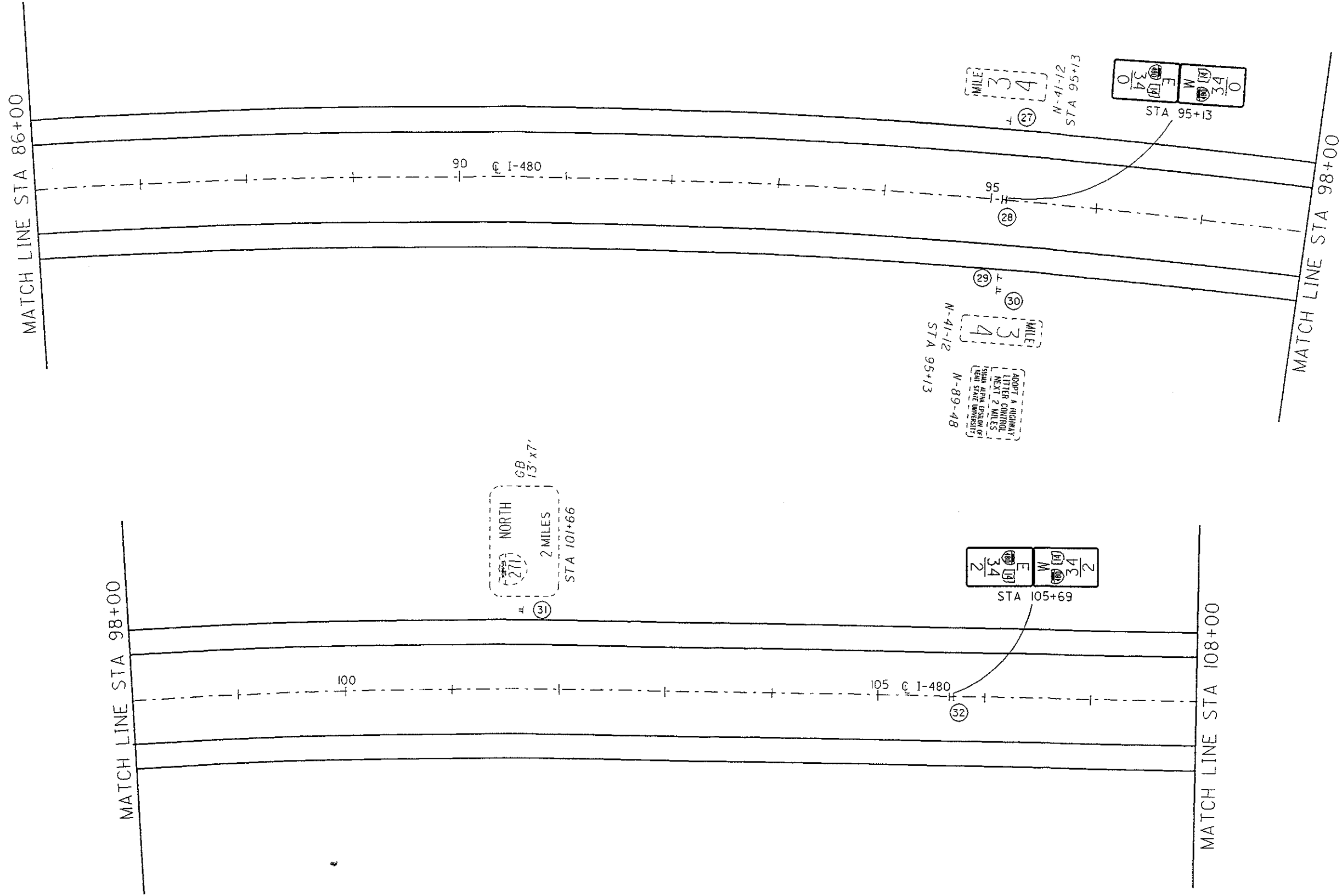
FOR CROSS SECTIONS SEE SHEET 53,54

SUM / POR - 480 - 0.00

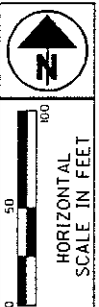
SIGNING PLAN
STA 62+00 TO STA 86+00



30 / 75



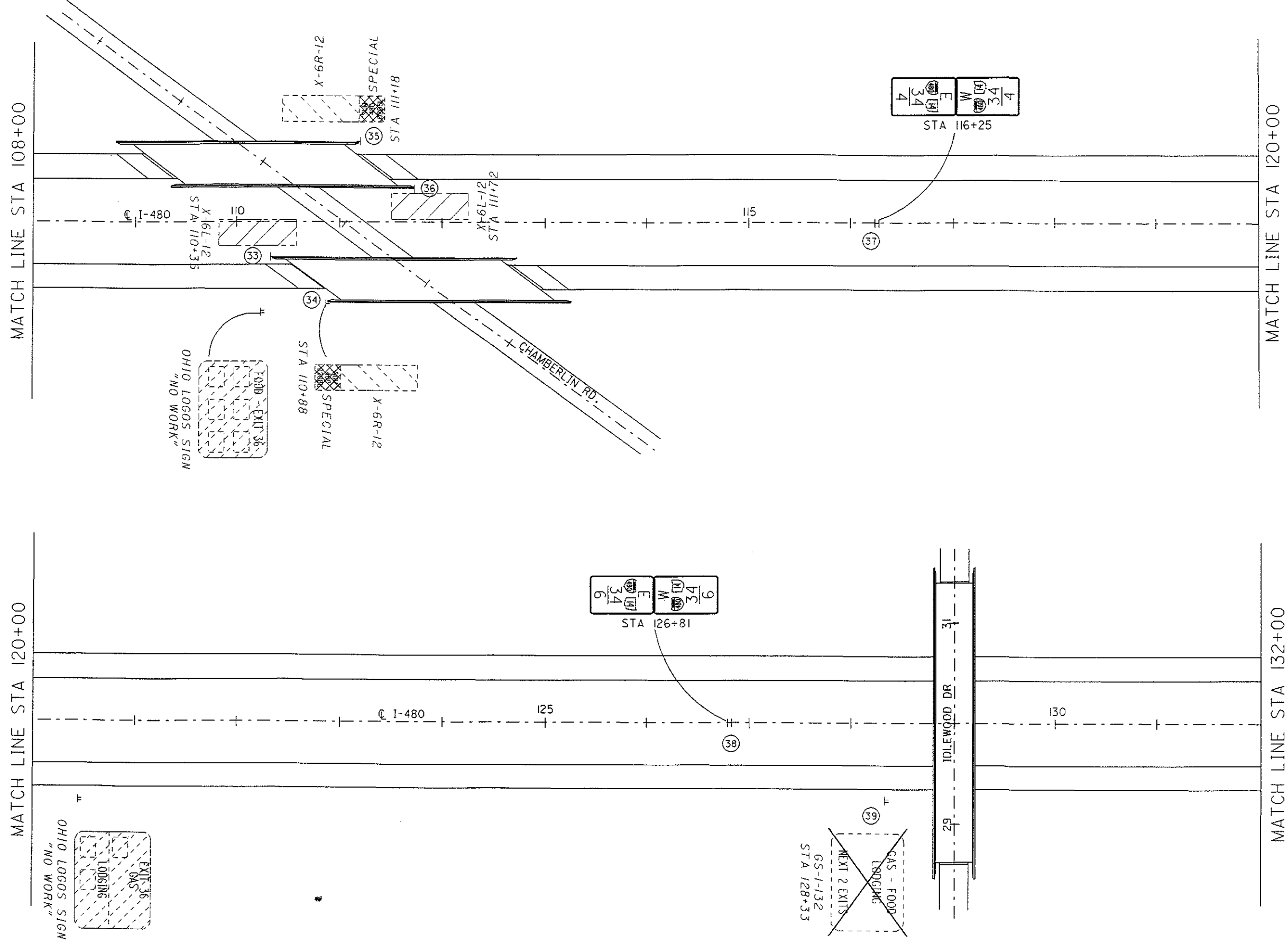
FOR CROSS SECTIONS SEE SHEET 54



CALCULATED	TAK	CHECKED
		K.G.

SIGNING PLAN
STA 86+00 TO STA 108+00

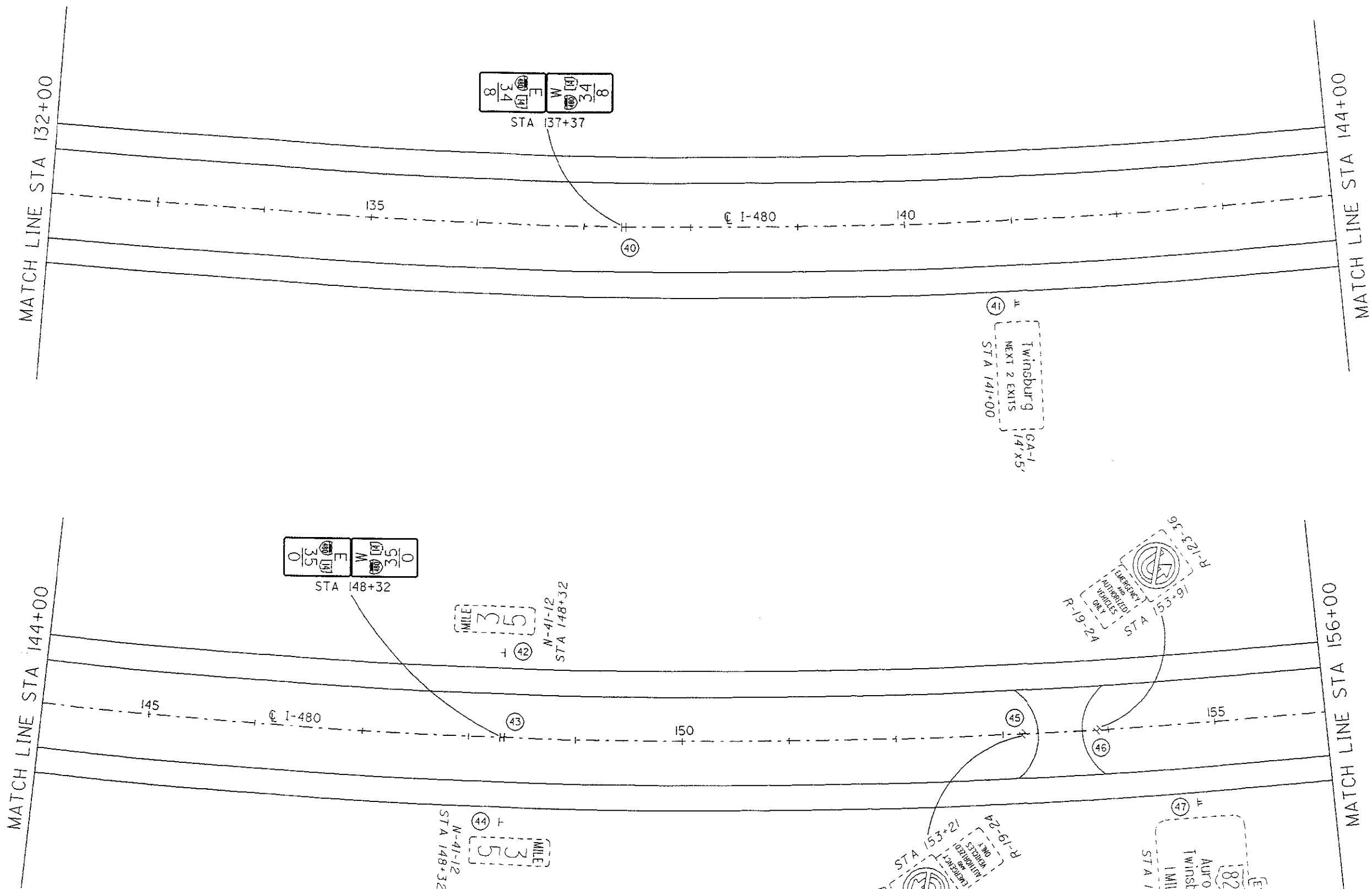
SUM / POR - 480 - 0.00




CALCULATED	TAK
CHECKED	KG

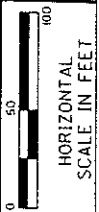
SIGNING PLAN
STA 108+00 TO STA 132+00

SUM / POR - 480 - 0.00



FOR CROSS SECTIONS SEE SHEET 54





 HORIZONTAL SCALE IN FEET

CALCULATED TAK	CHECKED KG
-------------------	---------------

SIGNING PLAN
STA 132+00 TO STA 156+00

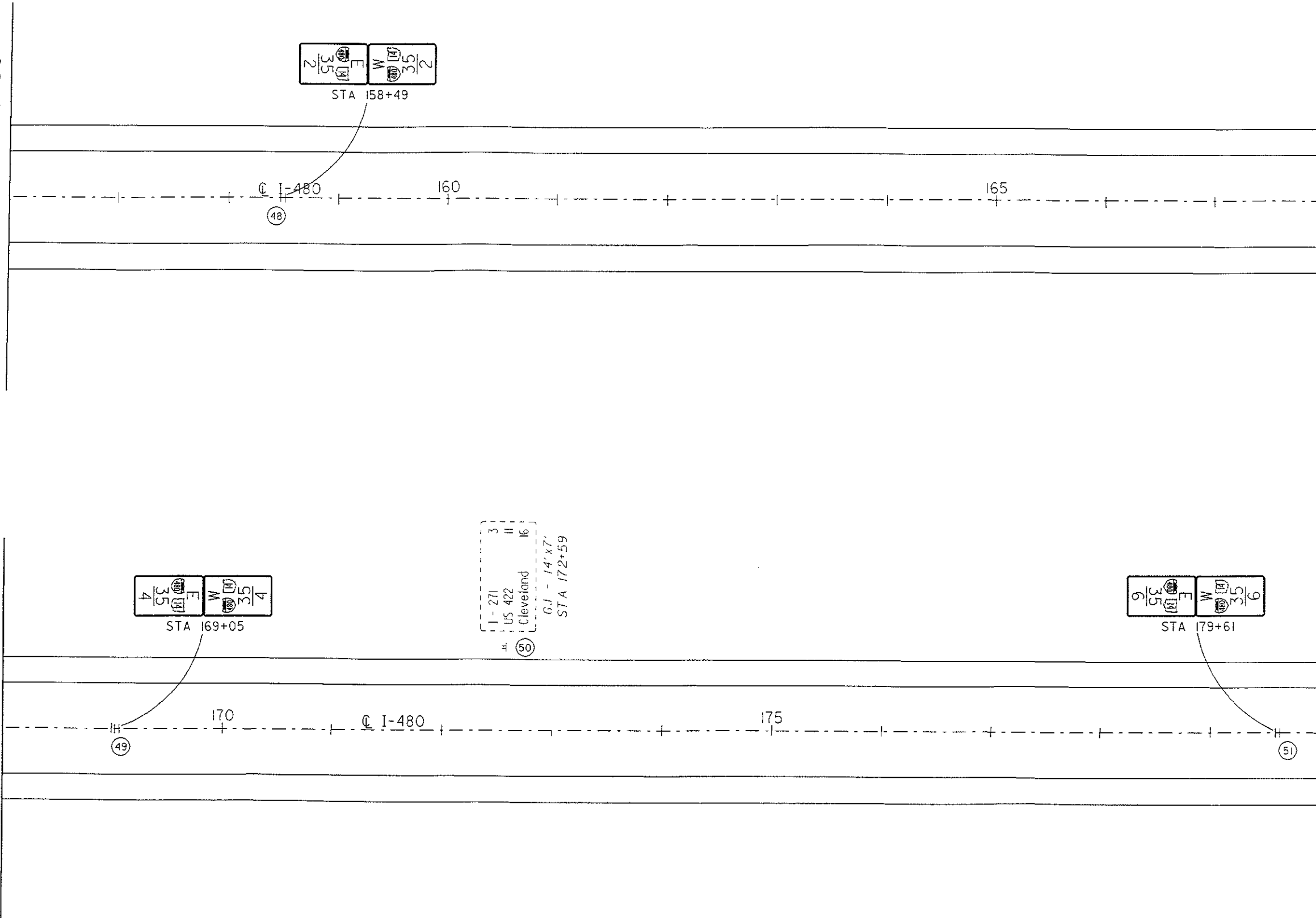
SUM / POR - 480 - 0.00

MATCH LINE STA 156+00

MATCH LINE STA 168+00

MATCH LINE STA 168+00

MATCH LINE STA 180+00



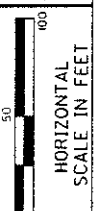
FOR CROSS SECTIONS SEE SHEET 55

CALCULATED
TAK
CHECKED
KG

0 50 100
HORIZONTAL
SCALE IN FEET

SIGNING PLAN
STA 156+00 TO STA 180+00

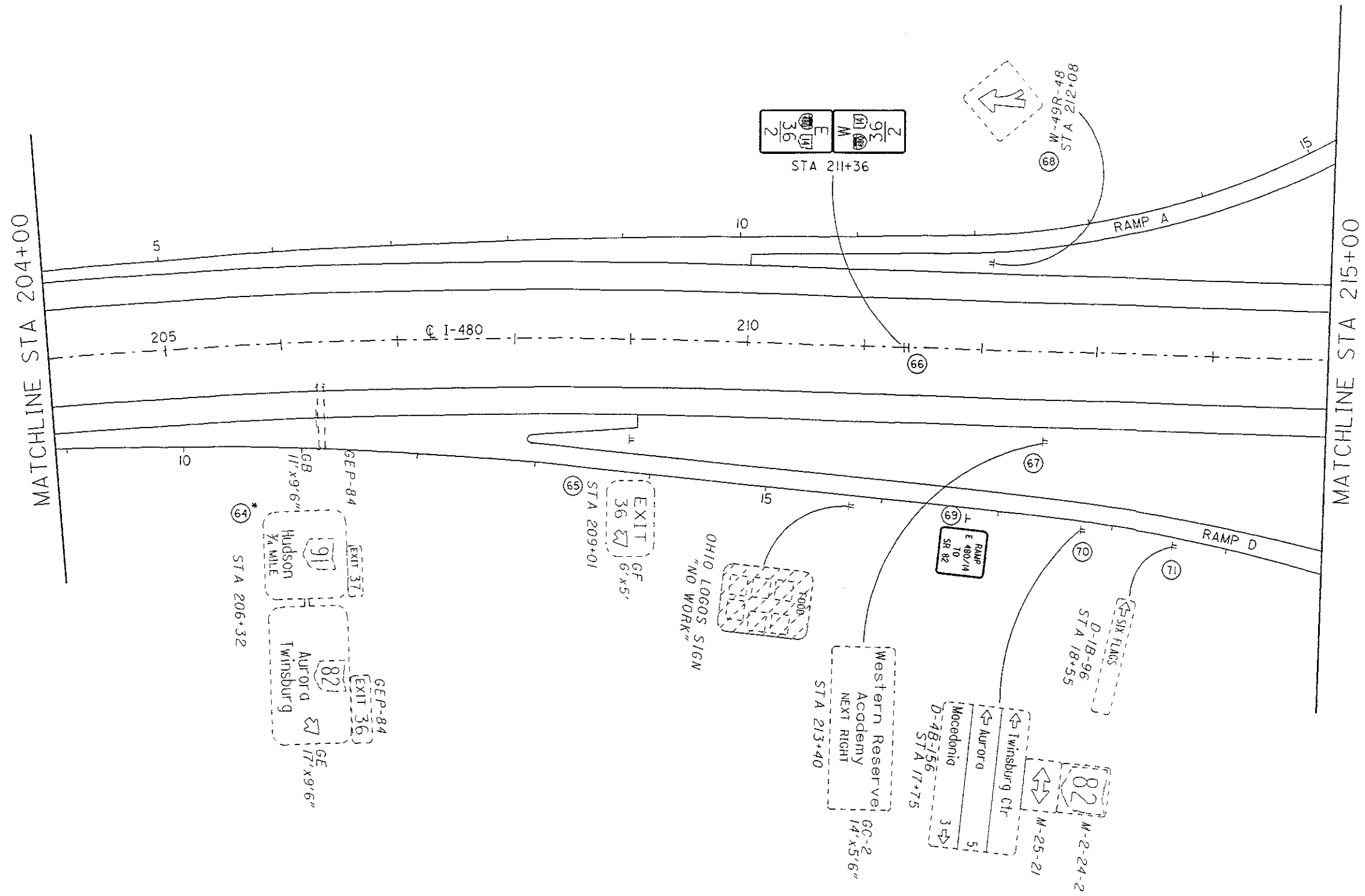
SUM / POR - 480 - 0.00



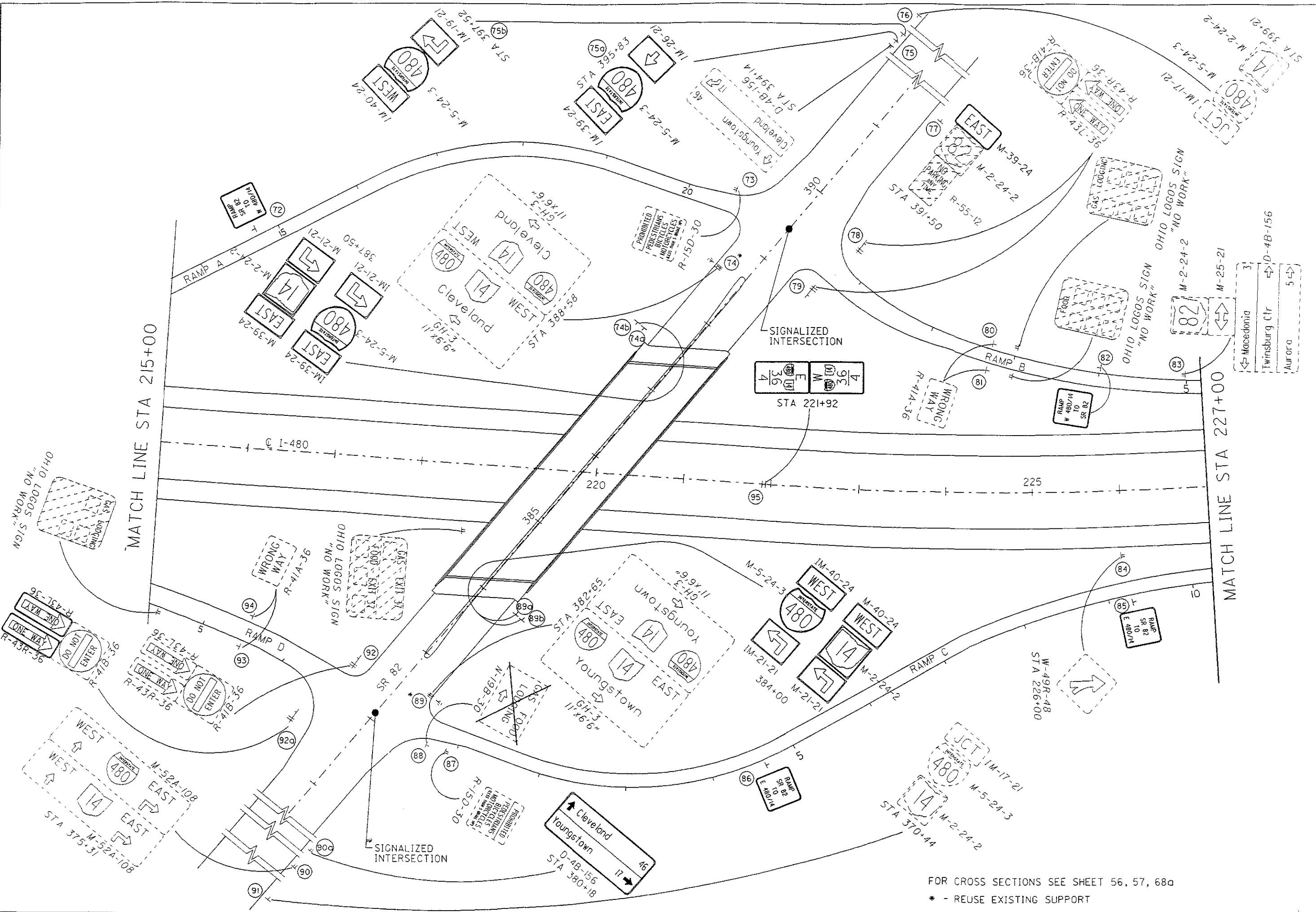
CALCULATED
TAK
CHECKED
KG

SIGNING PLAN STA 204+00 TO STA 215+00

SUM / POR - 480 - 0.00



FOR CROSS SECTIONS SEE SHEET 55,56
* - REUSE EXISTING SUPPORT

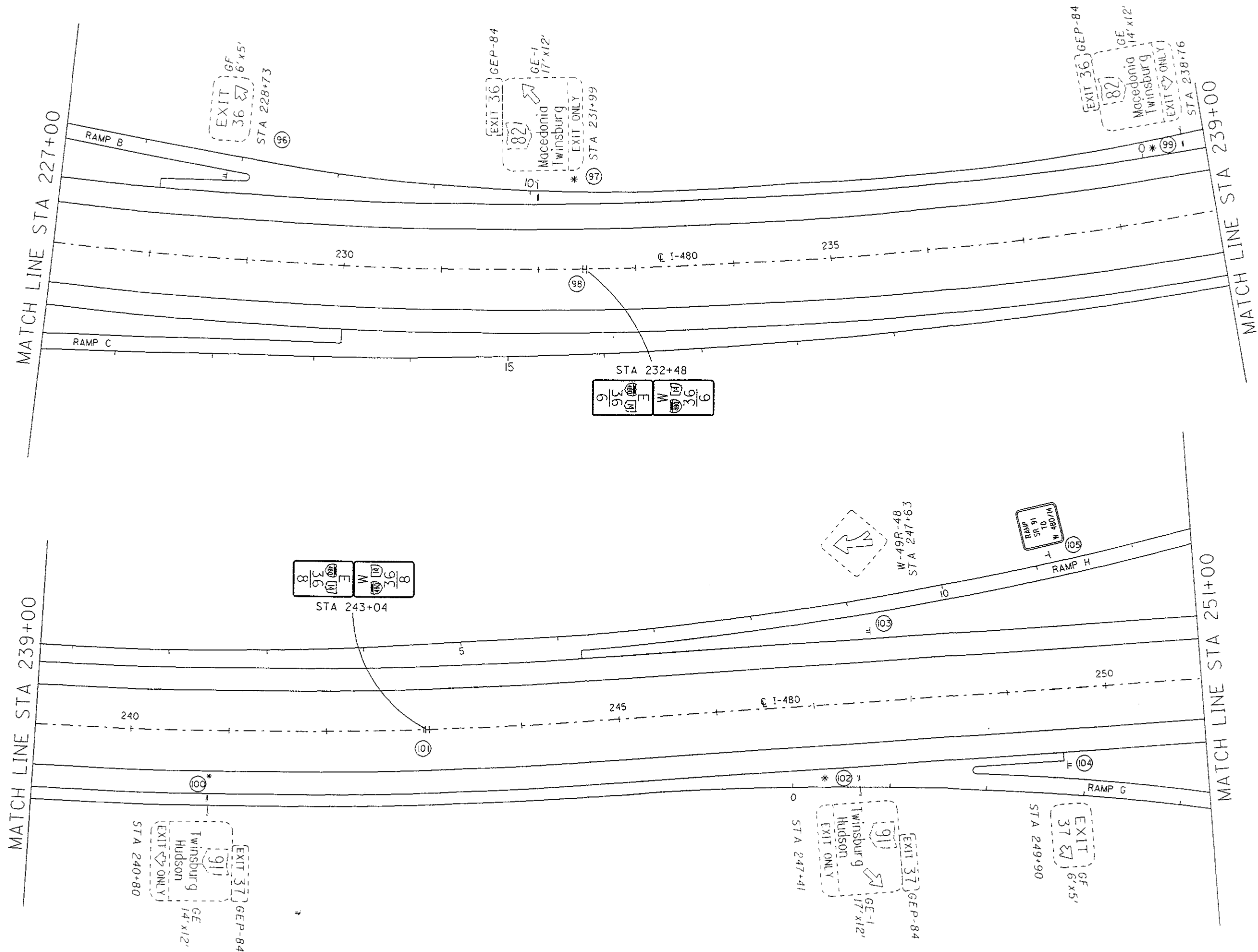


FOR CROSS SECTIONS SEE SHEET 56, 57, 68a
 * - REUSE EXISTING SUPPORT

CALCULATED
 TAK
 CHECKED
 KG

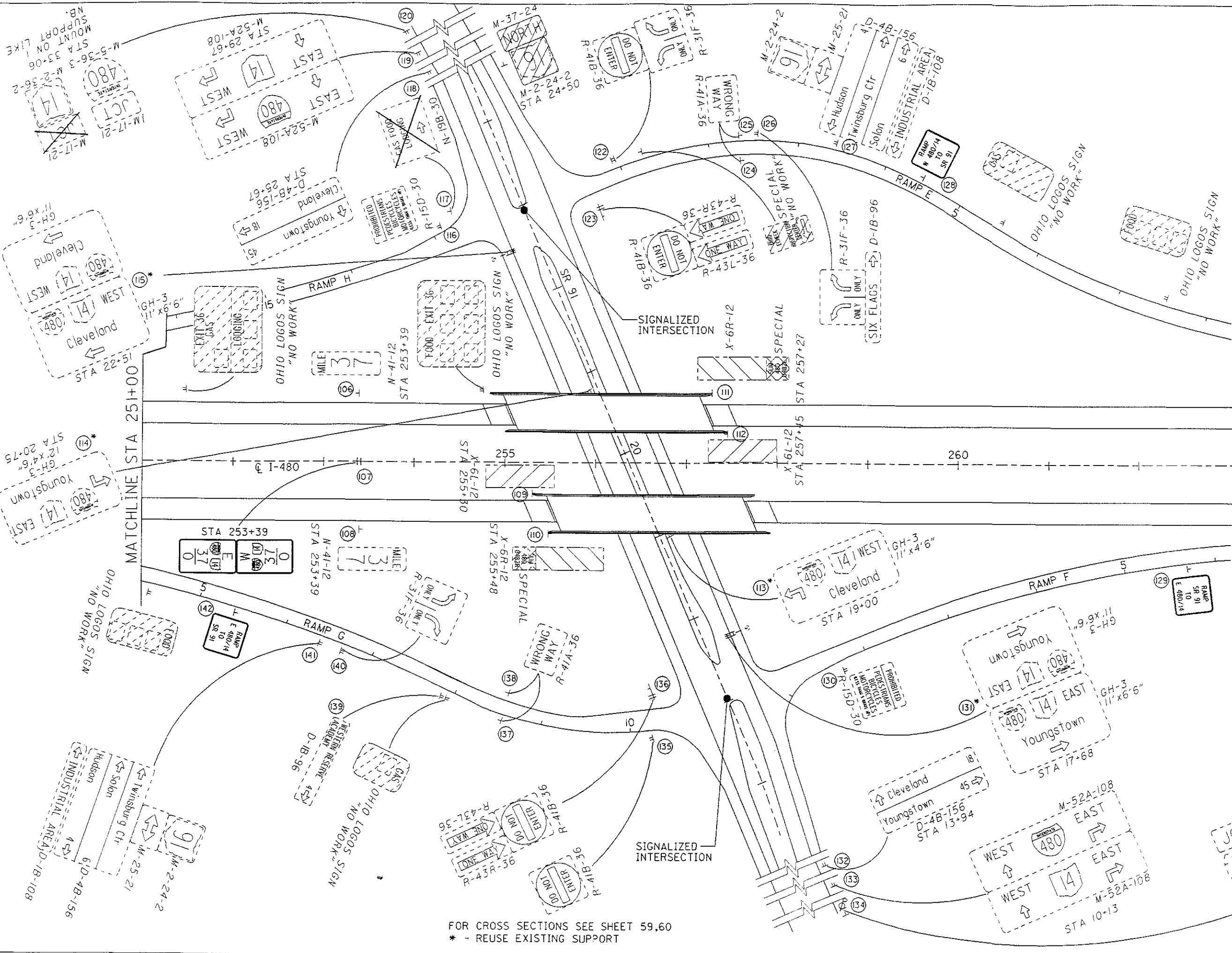
SIGNING PLAN
STA 215+00 TO STA 227+00

SUM/POR-480-0.00



FOR CROSS SECTIONS SEE SHEET 57,58,59
 * - REUSE EXISTING SUPPORT

 HORIZONTAL SCALE IN FEET	CALCULATED TAK CHECKED KG	SIGNING PLAN STA 227+00 TO STA 251+00	SUM / POR - 480 - 0.00
0 50 100			38 75



MATCHLINE STA 251+00

MATCHLINE STA 263+00

FOR CROSS SECTIONS SEE SHEET 59,60
* - REUSE EXISTING SUPPORT

CALCULATED TAK DIRECTED KG

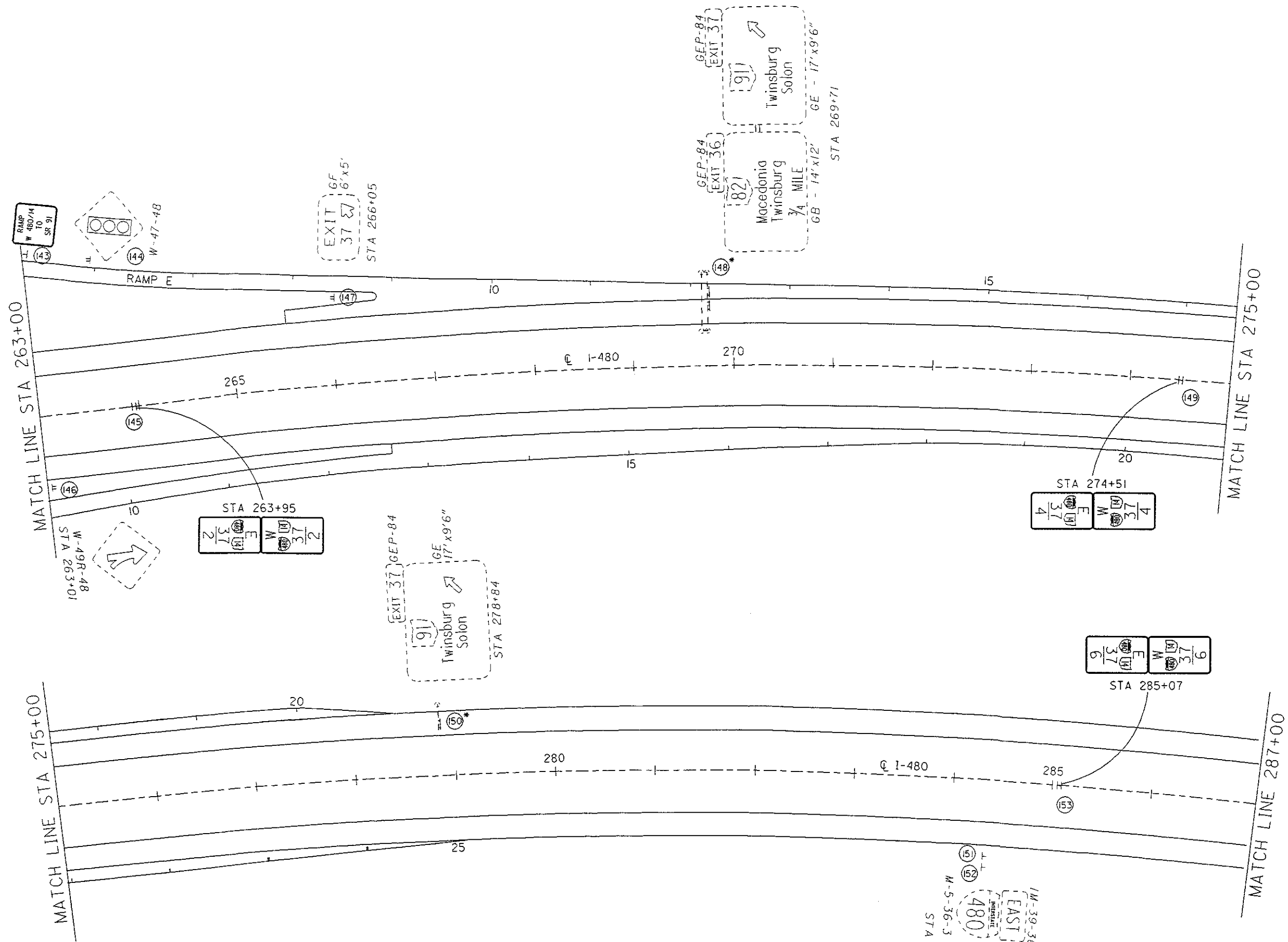
HORIZONTAL SCALE IN FEET

0 50 100

SIGNING PLAN
STA 251+00 TO STA 263+00

SUM/POR-480-0.00

JCT 1M-17-21
480 M-5-36-3
14 M-2-36-2
STA 3-79
(EX. POLE MNTD)



FOR CROSS SECTIONS SEE SHEET 61
 * - REUSE EXISTING SUPPORT

0 50 100
 HORIZONTAL SCALE IN FEET

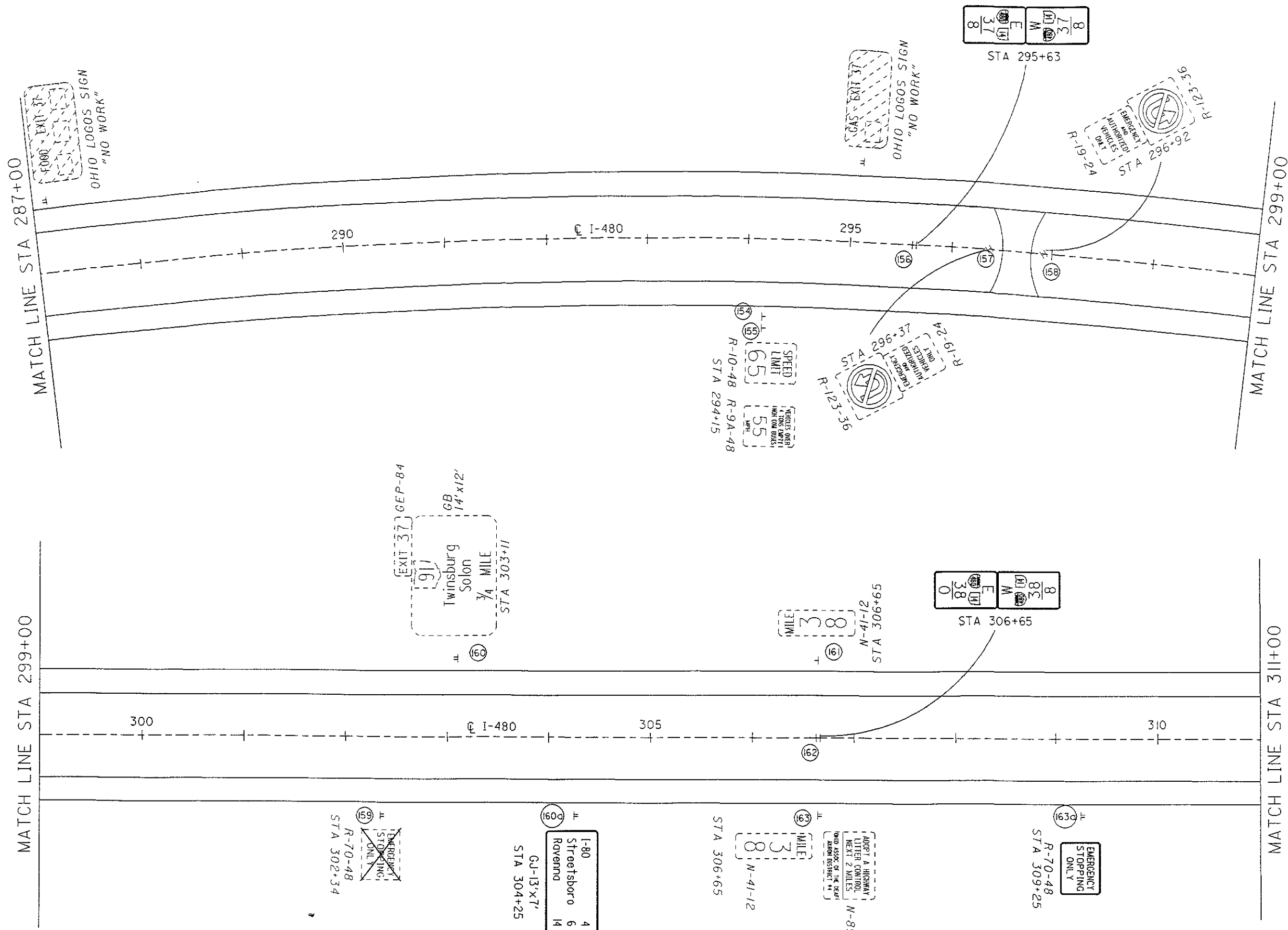
0 100 200
 HORIZONTAL SCALE IN FEET

0 100 200
 HORIZONTAL SCALE IN FEET

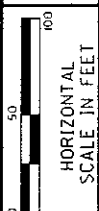
CALCULATED	TAK
CHECKED	KG

SIGNING PLAN
STA 263+00 TO STA 287+00

SUM / POR - 480 - 0.00



FOR CROSS SECTIONS SEE SHEET 61, 68a
 * - REUSE EXISTING SUPPORT

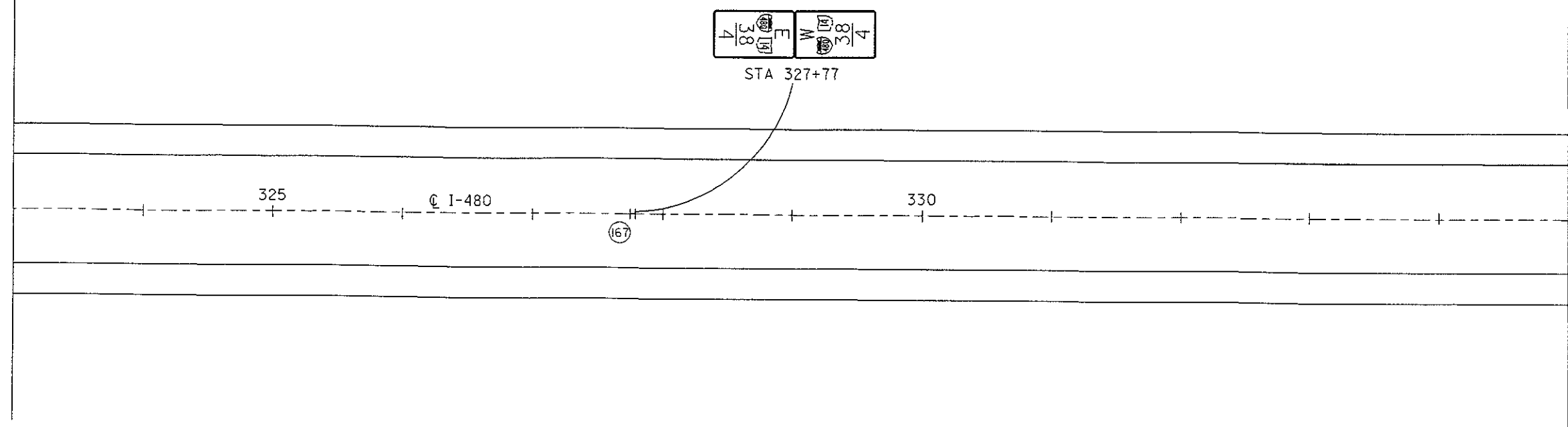


CALCULATED	TAK
CHECKED	K/C

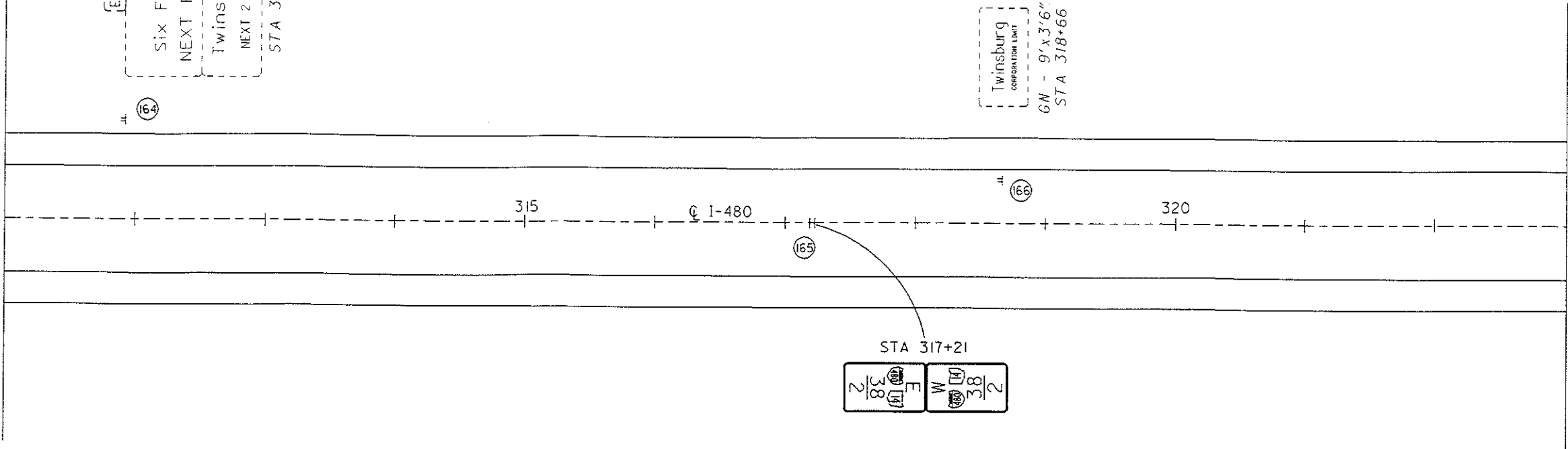
SIGNING PLAN
STA 287+00 TO STA 311+00

SUM / POR - 480 - 0.00

MATCH LINE STA 323+00



MATCH LINE STA 311+00



EXIT 37 6EP-84
 Six Flags
 NEXT RIGHT
 GC-12'x5'
 (BROWN)
 Twinsburg
 NEXT 2 EXITS
 GA-1
 12'x5'
 STA 311+93

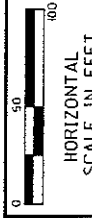
Twinsburg
 CORPORATION LIMIT
 GN - 9'x3'6"
 STA 318+66

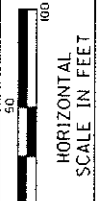
FOR CROSS SECTIONS SEE SHEET 62

SUM / POR - 480 - 0.00

SIGNING PLAN
STA 311+00 TO STA 335+00

CALCULATED	TAK
	CHECKED
	KG



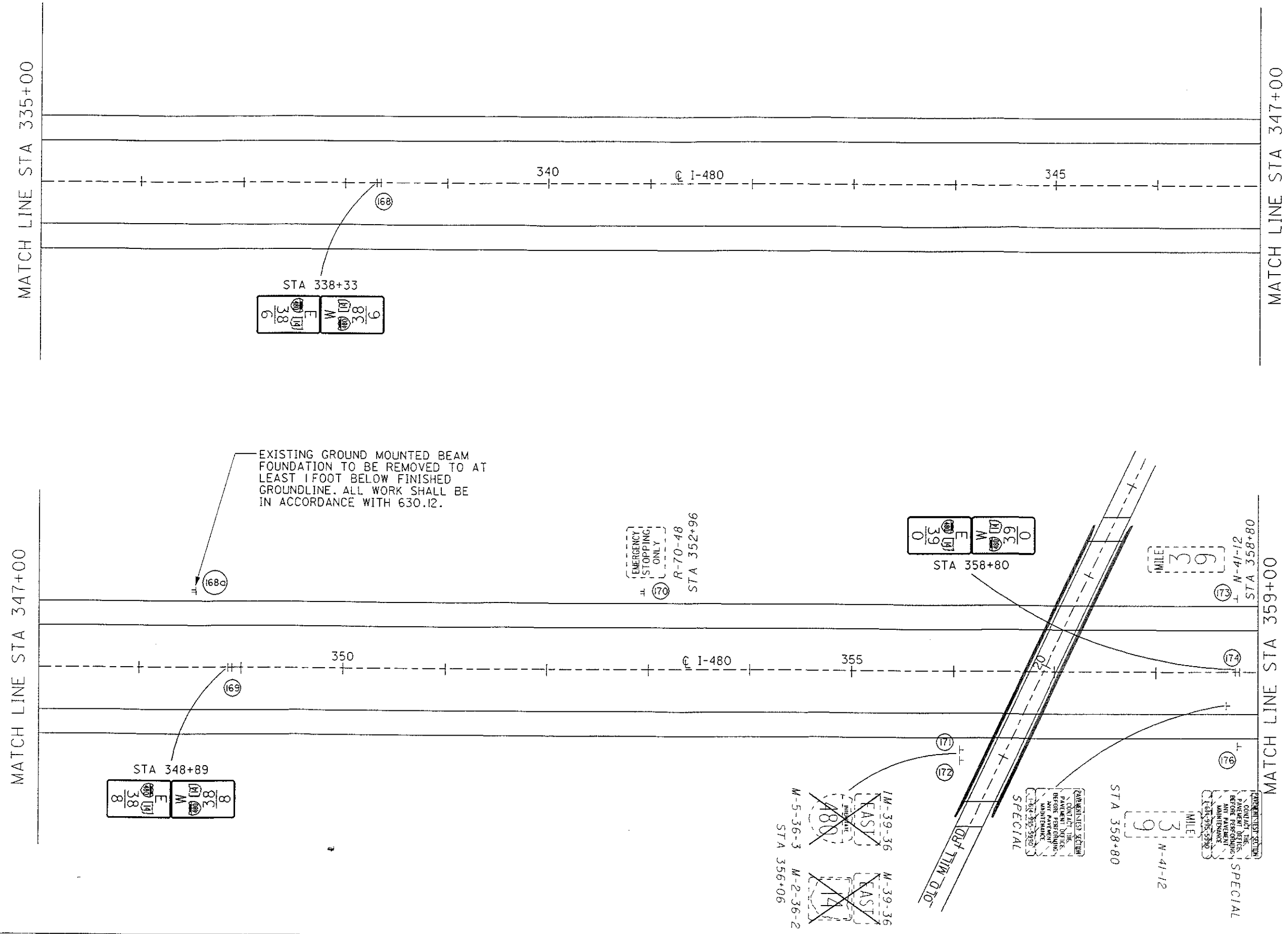


CALCULATED
TAK
CHECKED
KJC

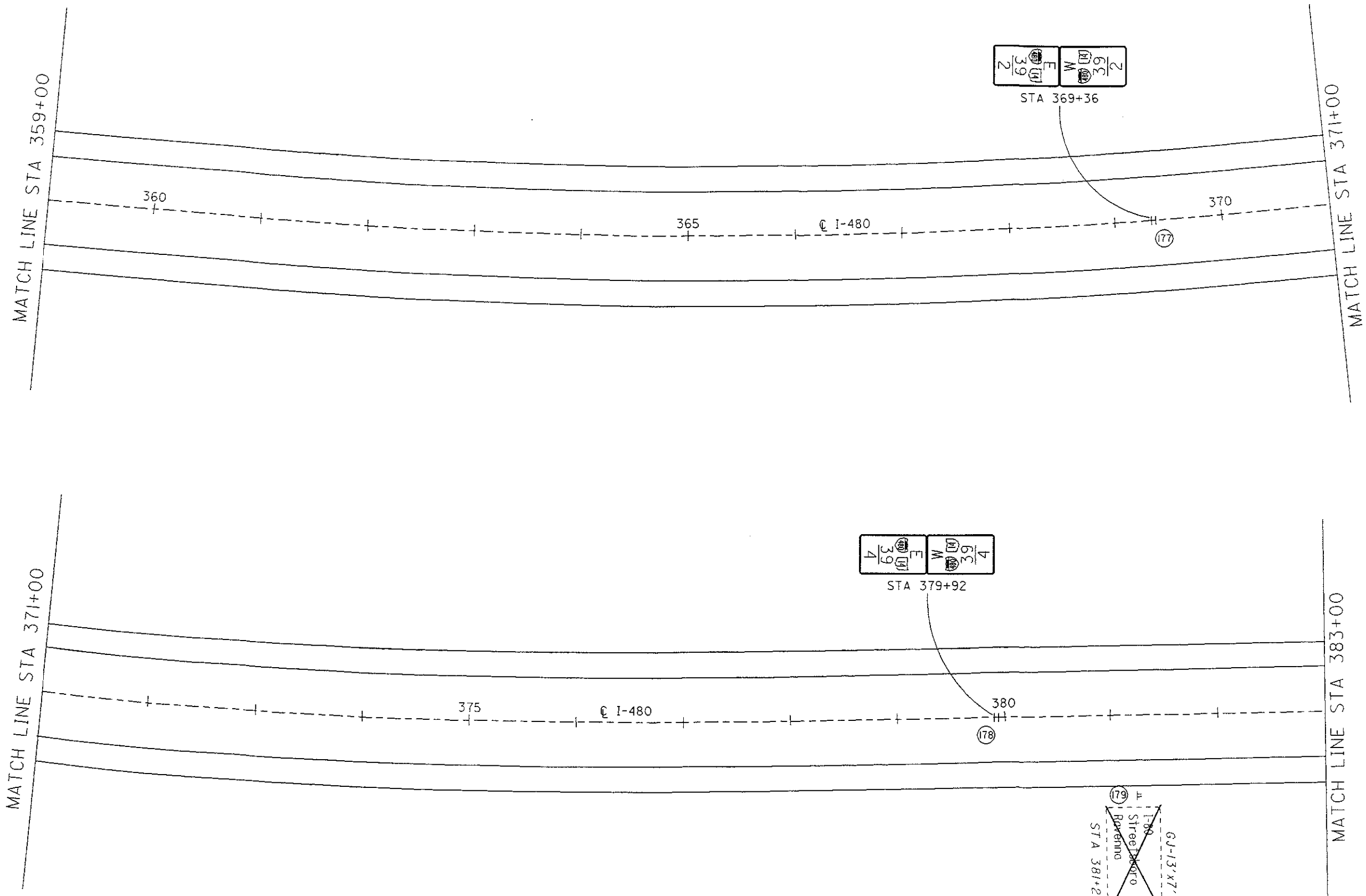
SIGNING PLAN
STA 335+00 TO STA 359+00

SUM / POR - 480 - 0.00

43
75



(175) - NOT USED

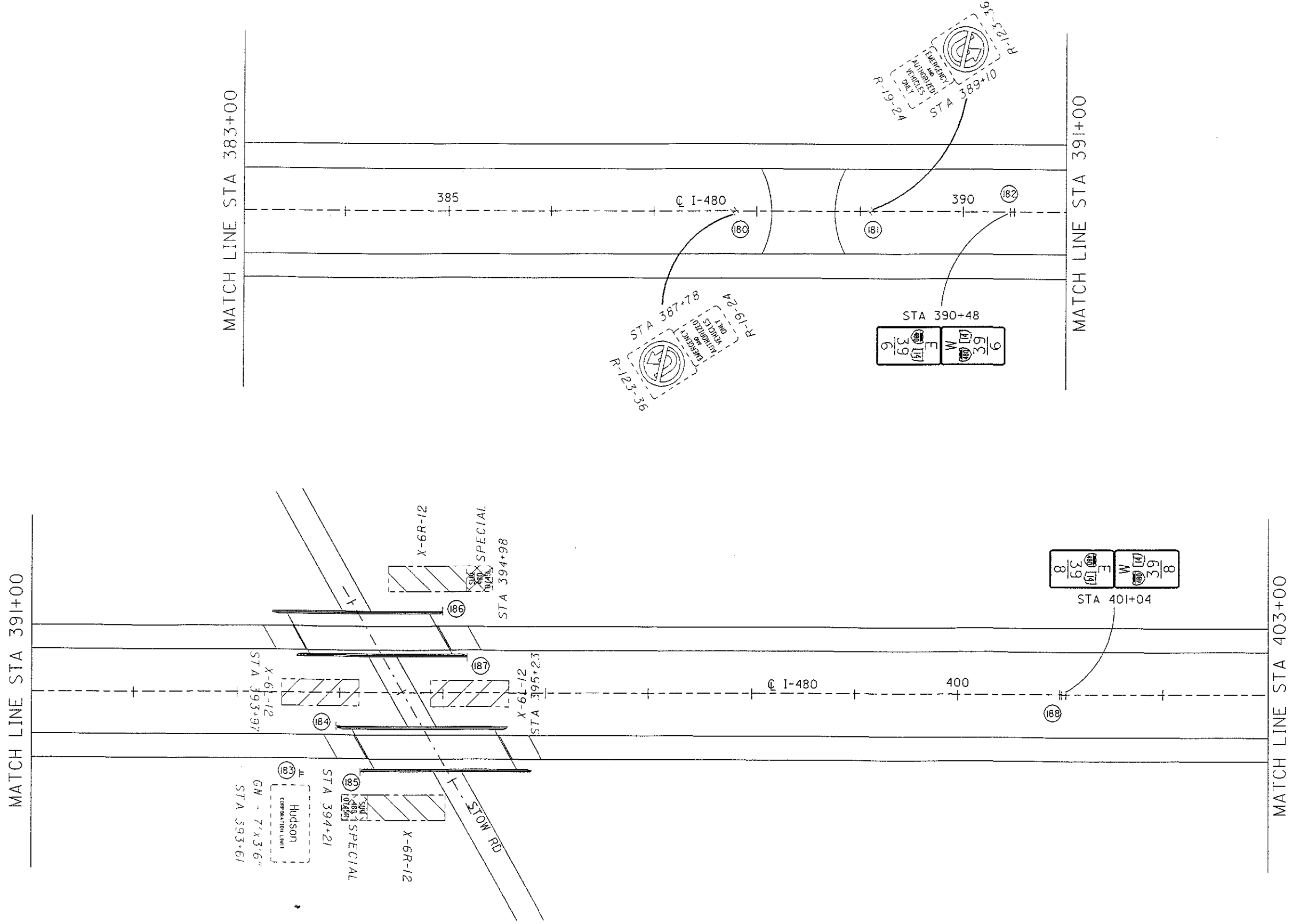


CALCULATED
TAK
CHECKED
KC

0 50 100
HORIZONTAL
SCALE IN FEET

SIGNING PLAN
STA 359+00 TO STA 383+00

SUM / POR - 480 - 0.00



FOR CROSS SECTIONS SEE SHEET 62

CALCULATED
TAK
CHECKED
K/G

0 50 100
HORIZONTAL
SCALE IN FEET

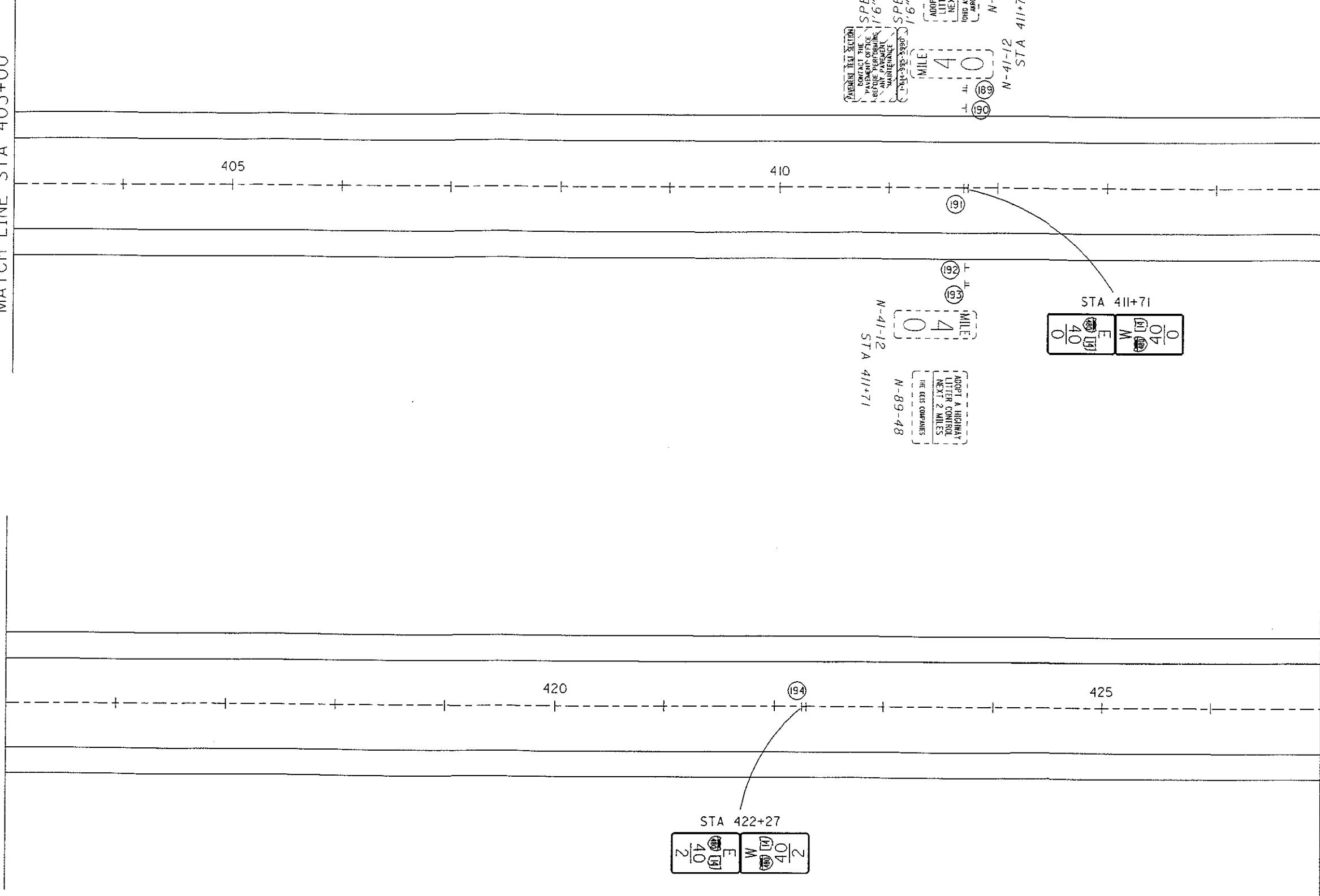
SIGNING PLAN
STA 383+00 TO STA 403+00

SUM / POR - 480 - 0.00

45
75

MATCH LINE STA 415+00

MATCH LINE STA 403+00



SPECIAL
 CONTRACT OFFICE
 FOR THE ILLINOIS
 DEPARTMENT OF
 TRANSPORTATION
 MAINTENANCE
 DIVISION
 1/6" X 2"
 SPECIAL
 1/6" X 6"
 ADOPT A HIGHWAY
 LETTER CONTROL
 NEXT 2 MILES
 (IHD ASSOC OF THE DRAFT
 ARRON DISTRICT #1)
 N-89-48
 N-41-12
 STA 411+71
 N-41-12
 STA 411+71

STA 411+71

0	04	121	121
E	M	40	40

STA 422+27

2	04	121	121
E	M	40	40

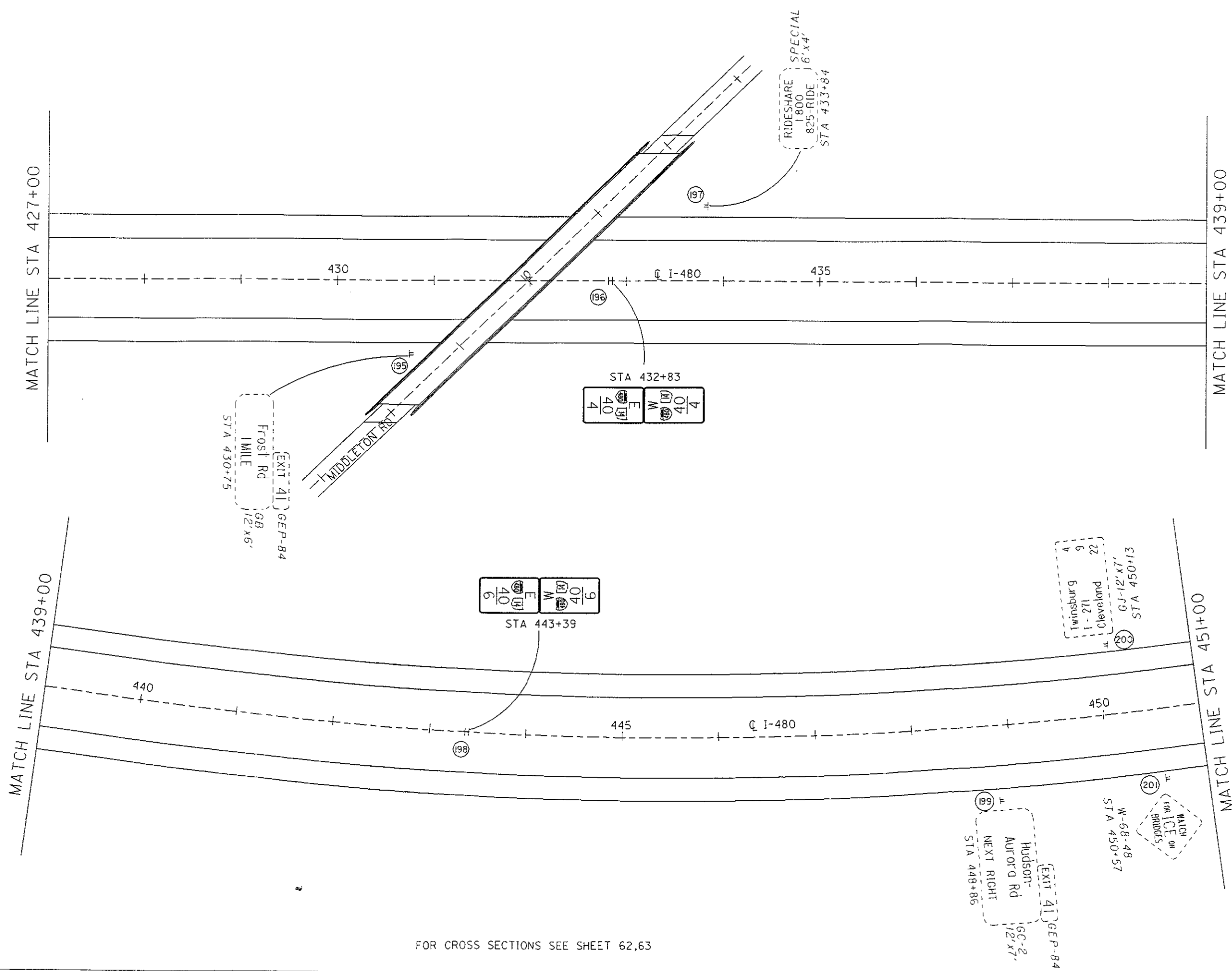
CALCULATED
 TAK
 CHECKED
 KG

0 50 100
 HORIZONTAL
 SCALE IN FEET

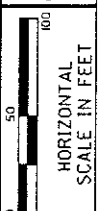
SIGNING PLAN
STA 403+00 TO STA 427+00

SUM / POR - 480 - 0.00

mhuishi@D04CDD252500 - gp6.m - Friday October 11 2002 11:02:28 AM EDT



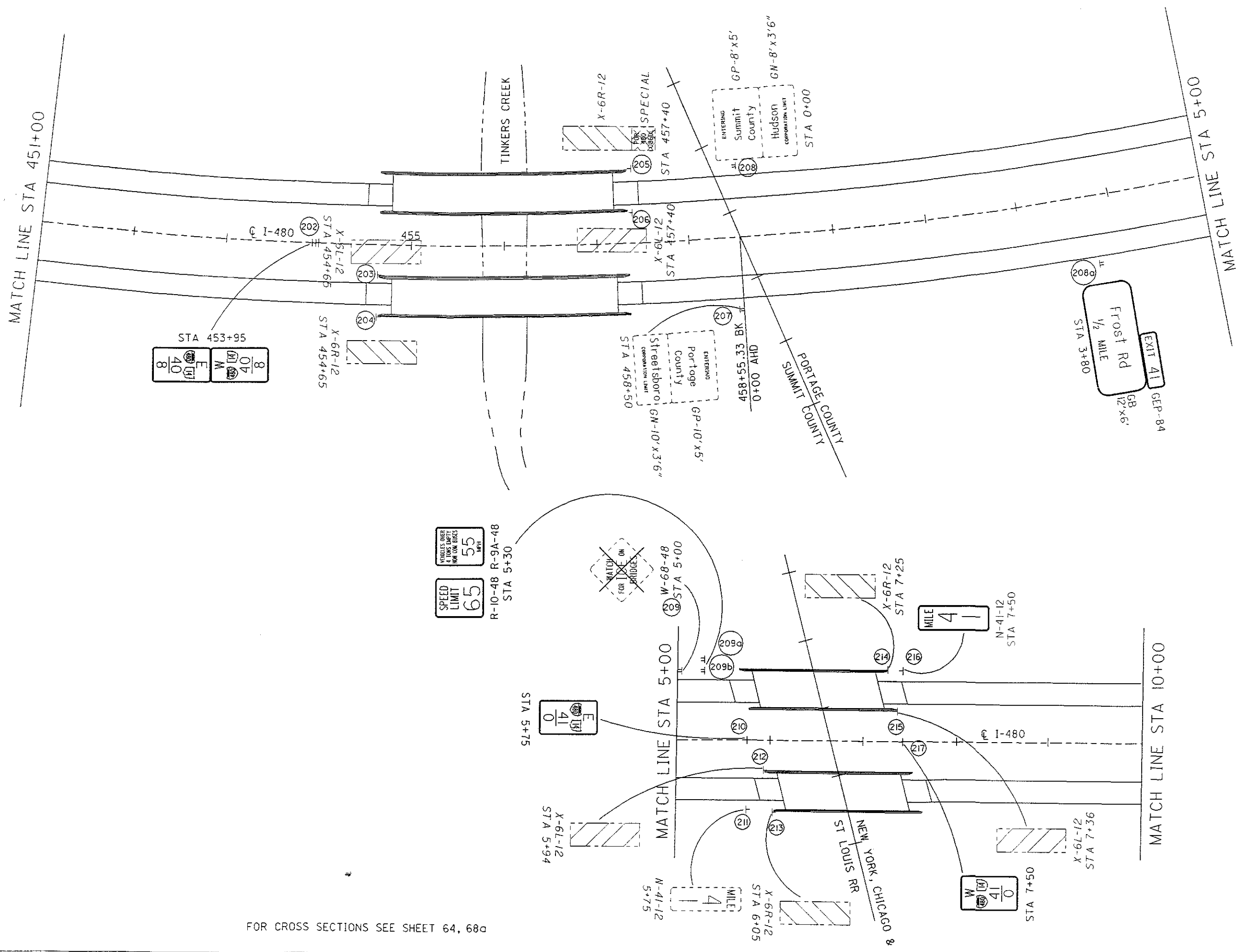
FOR CROSS SECTIONS SEE SHEET 62,63



CALCULATED	TAK	CHECKED	KG
------------	-----	---------	----

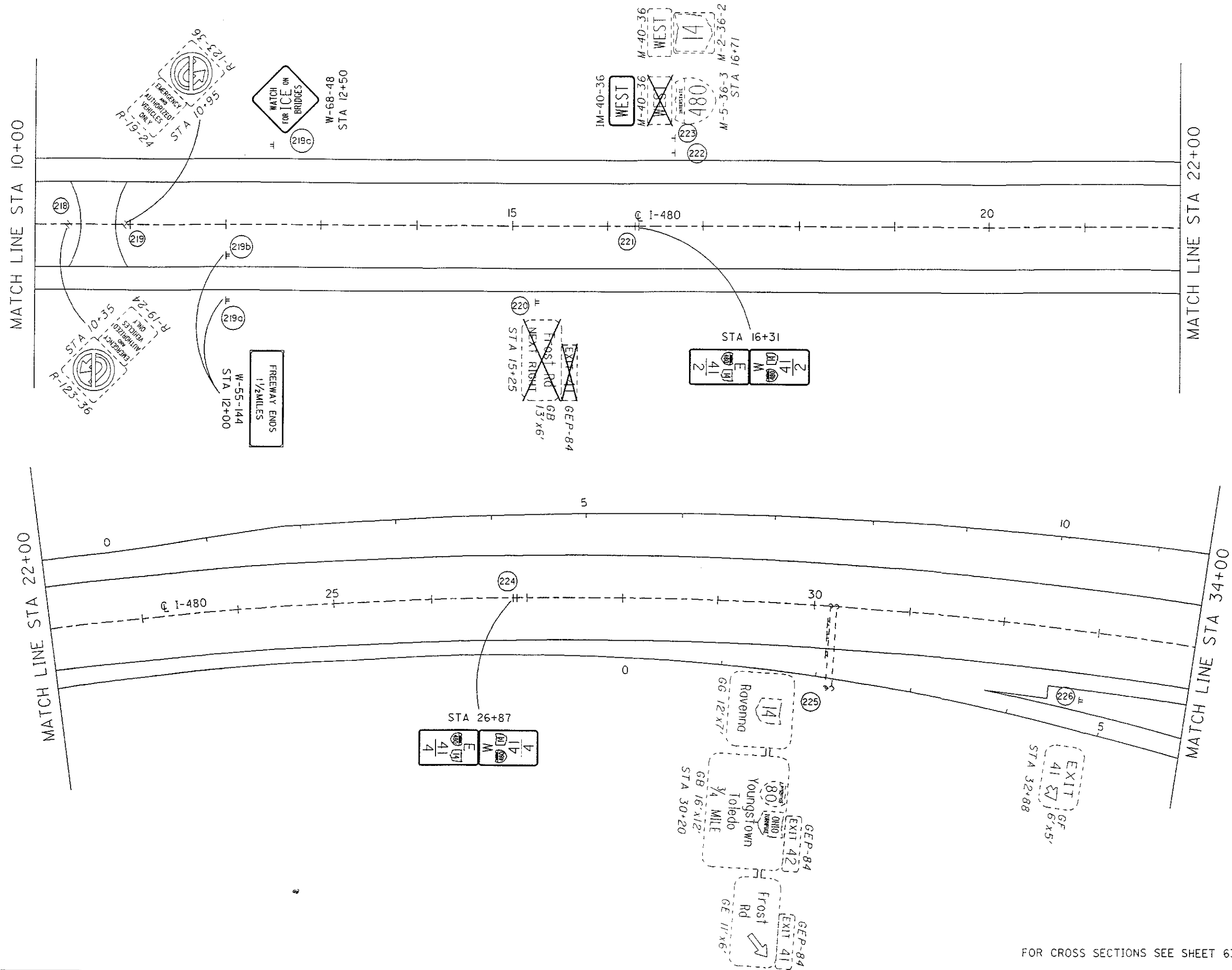
SIGNING PLAN
STA 427+00 TO STA 451+00

SUM / POR - 480 - 0.00

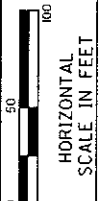


FOR CROSS SECTIONS SEE SHEET 64, 68a

		CALCULATED TAKEN CHECKED KG	SIGNING PLAN STA 451+00 TO STA 10+00	
	HORIZONTAL SCALE IN FEET	SUM / POR - 480 - 0.00		



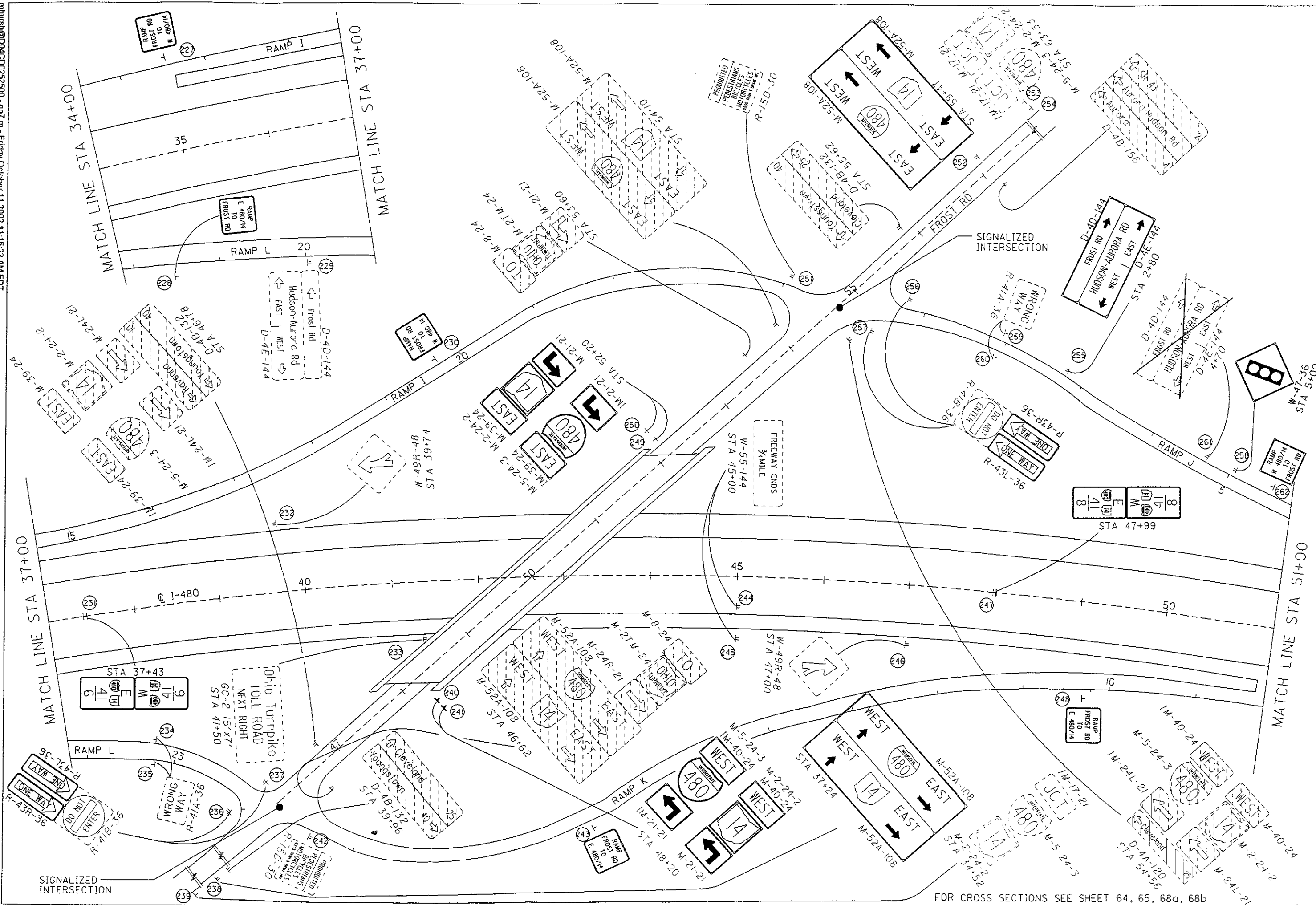
FOR CROSS SECTIONS SEE SHEET 63, 64, 68b



CALCULATED	TAK	CHECKED	K.G.
------------	-----	---------	------

SIGNING PLAN
STA 10+00 TO STA 34+00

SUM / POR - 480 - 0.00



SIGNALIZED INTERSECTION

FOR CROSS SECTIONS SEE SHEET 64, 65, 68a, 68b

CALCULATED
TAK
CHECKED
KG

50
HORIZONTAL
SCALE IN FEET

SIGNING PLAN
STA 34+00 TO STA 51+00

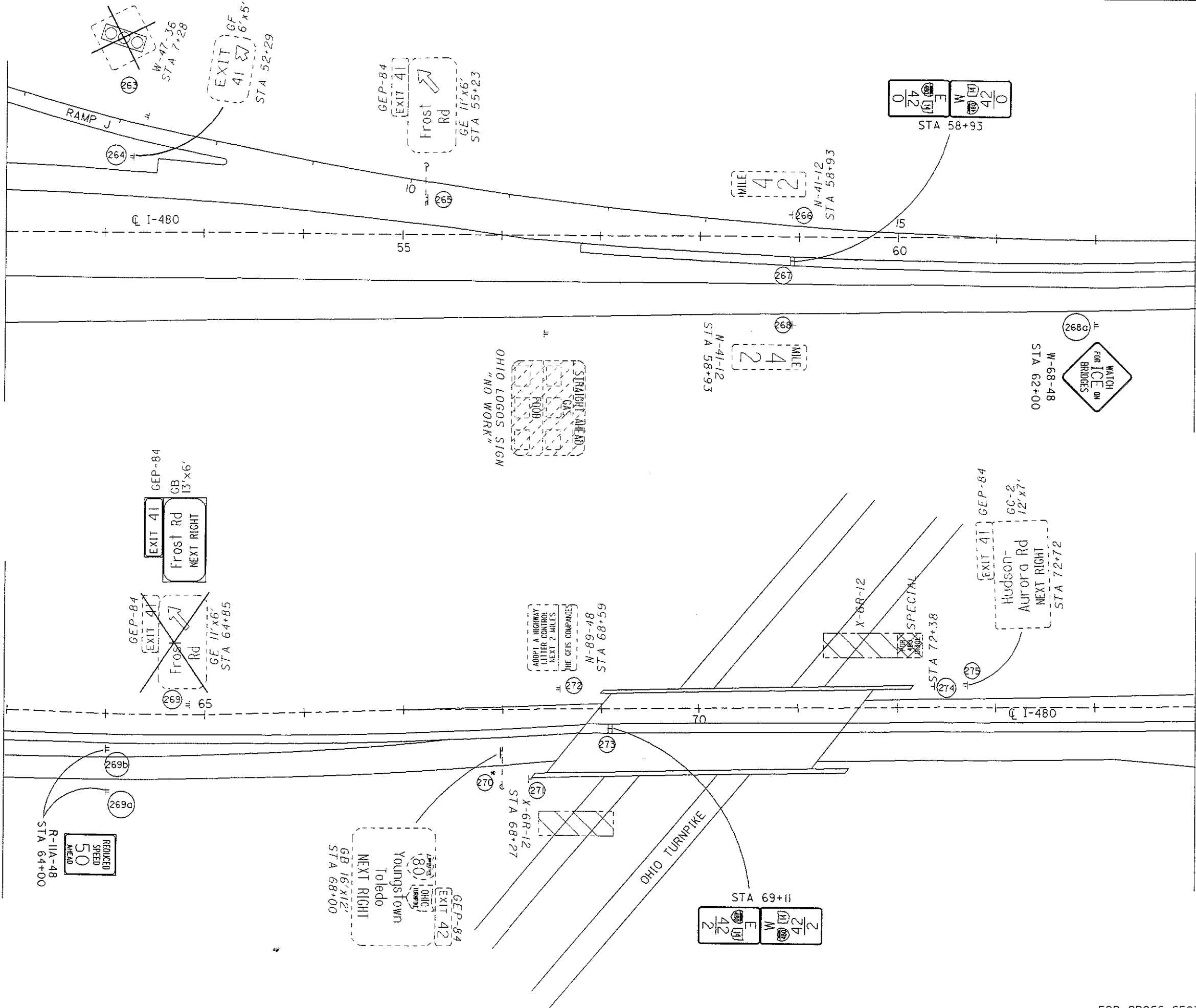
SUM/POR-480-0.00

MATCH LINE STA 51+00

MATCH LINE STA 63+00

MATCH LINE STA 63+00

MATCH LINE STA 75+00



FOR CROSS SECTIONS SEE SHEET 66
 * - REUSE EXISTING SUPPORT

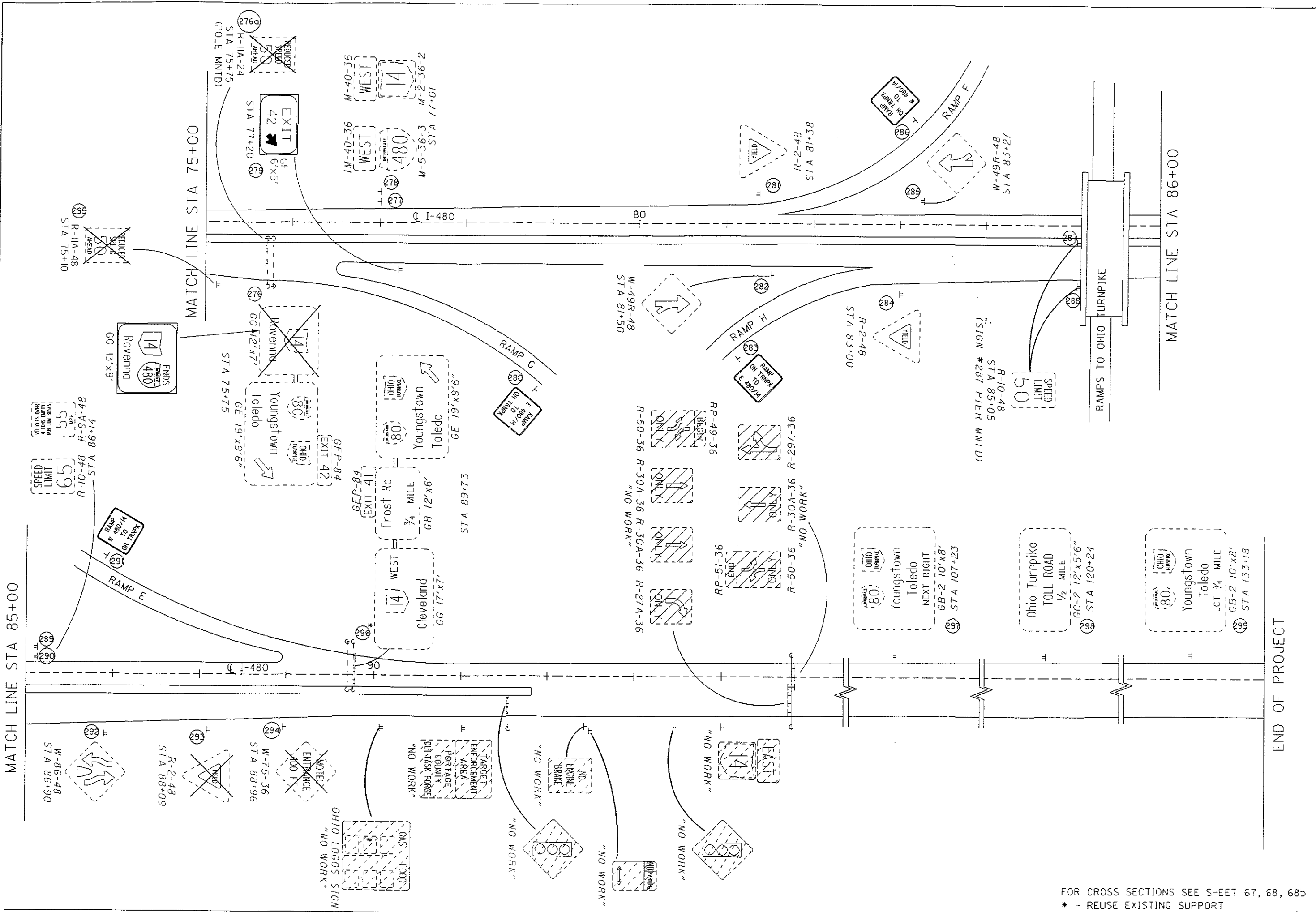
CALCULATED
 TAK
 CHECKED
 K.C.

HORIZONTAL SCALE IN FEET

0 50 100

SIGNING PLAN
STA 51+00 TO STA 75+00

SUM / POR - 480-0.00



FOR CROSS SECTIONS SEE SHEET 67, 68, 68b
 * - REUSE EXISTING SUPPORT

CALCULATED TAK	CHECKED KG
SIGNING PLAN STA 75+00 TO END OF PROJECT	
SUM / POR - 480 - 0.00	
52	75

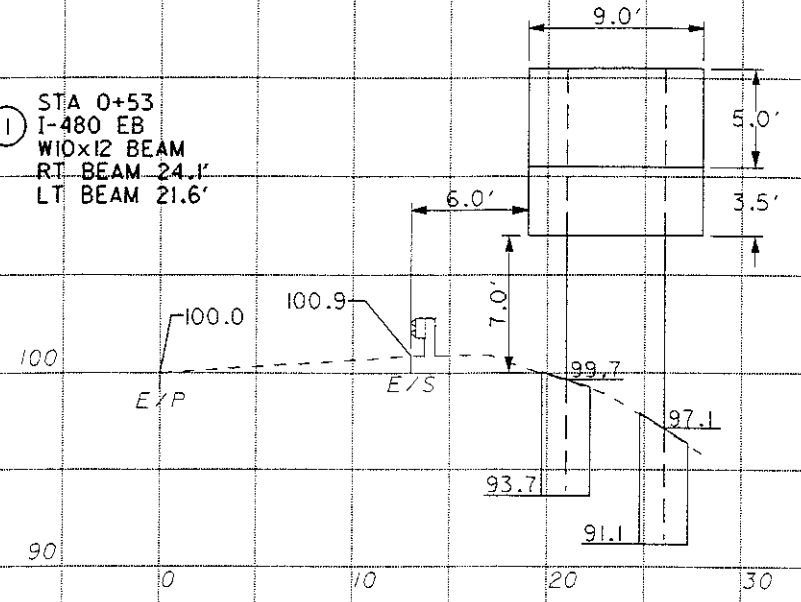
mhurst@D:\CADD\20252500 - gxm - Friday October 11 2002 12:24:22 PM EDT

SEEDING	
END WIDTH	SO. POS.

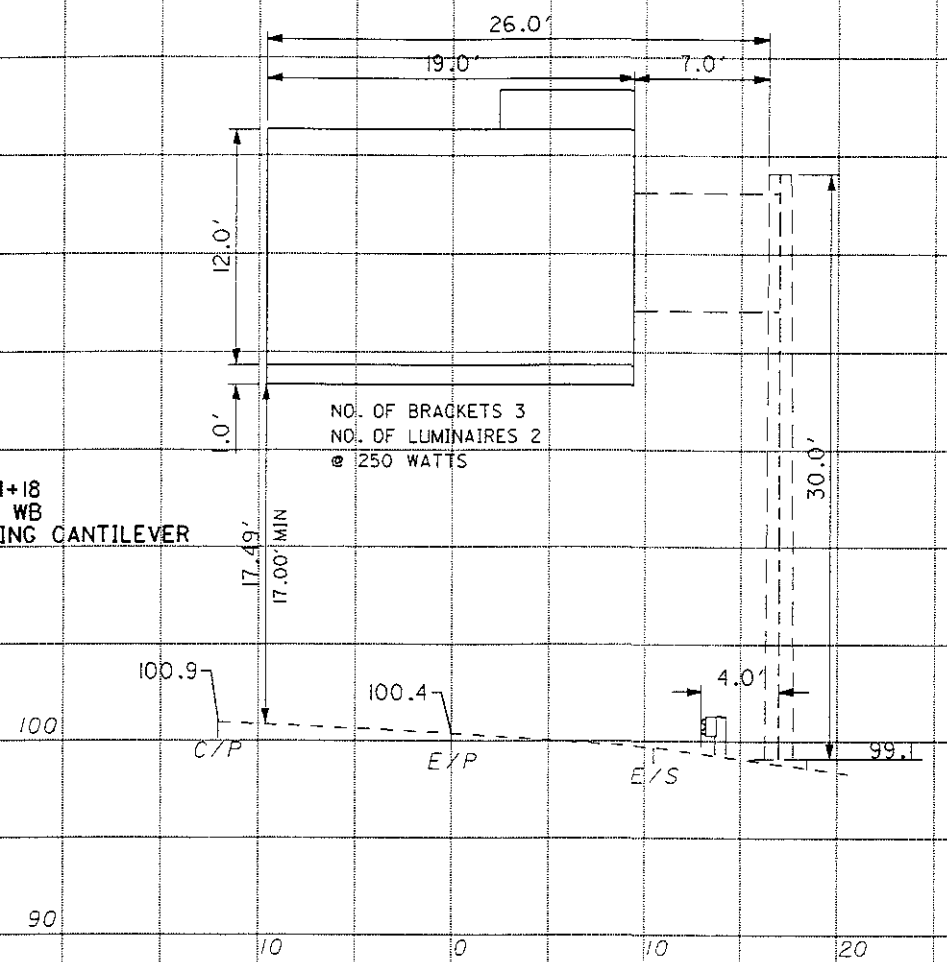
END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED
CHECKED

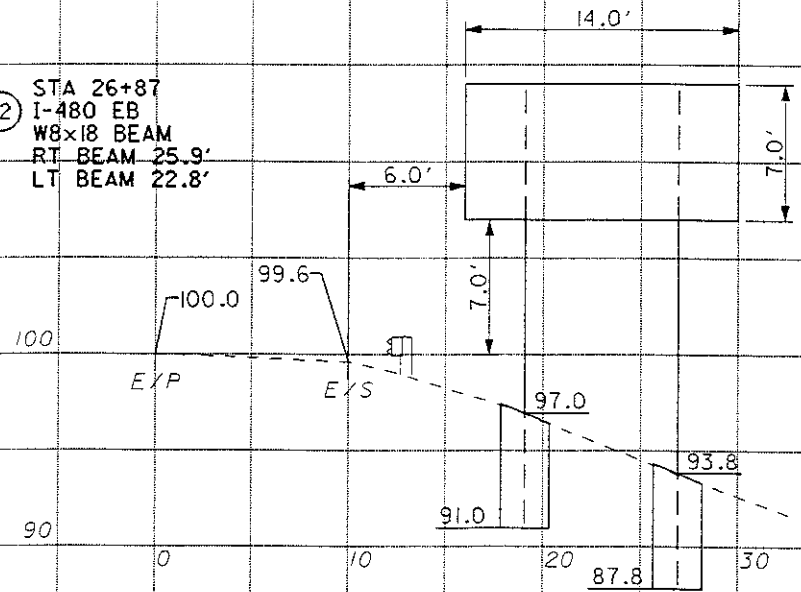
① STA 0+53
I-480 EB
W10x12 BEAM
RT BEAM 24.1'
LT BEAM 21.6'



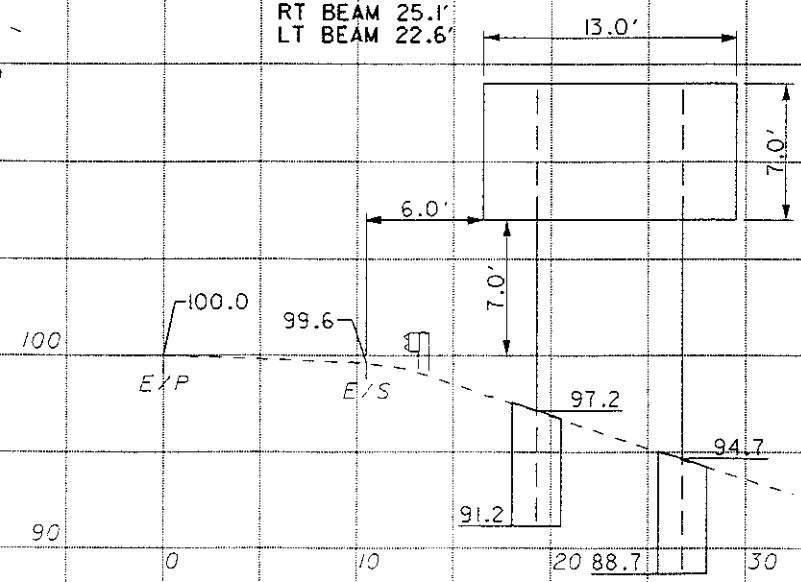
①a STA 4+18
I-480 WB
EXISTING CANTILEVER



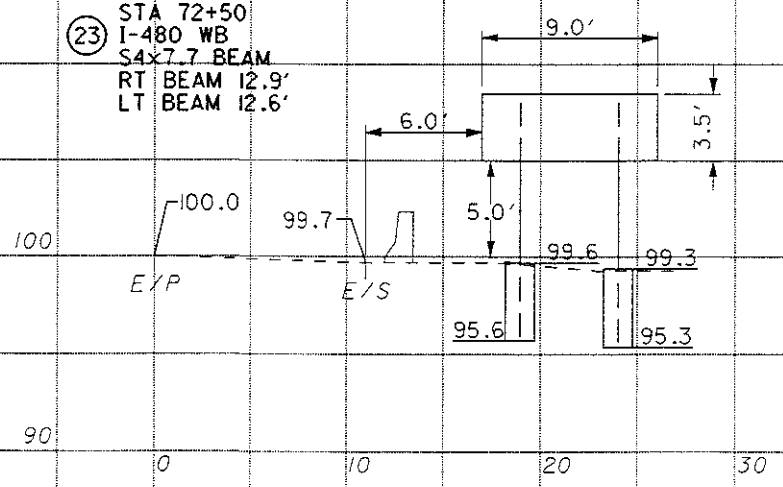
①2 STA 26+87
I-480 EB
W8x18 BEAM
RT BEAM 25.9'
LT BEAM 22.8'



①20 STA 48+96
I-480 WB
W8x18 BEAM
RT BEAM 25.1'
LT BEAM 22.6'



①23 STA 72+50
I-480 WB
S4x7.7 BEAM
RT BEAM 12.9'
LT BEAM 12.6'



SHEET TOTAL

SHEET TOTAL

CROSS SECTIONS

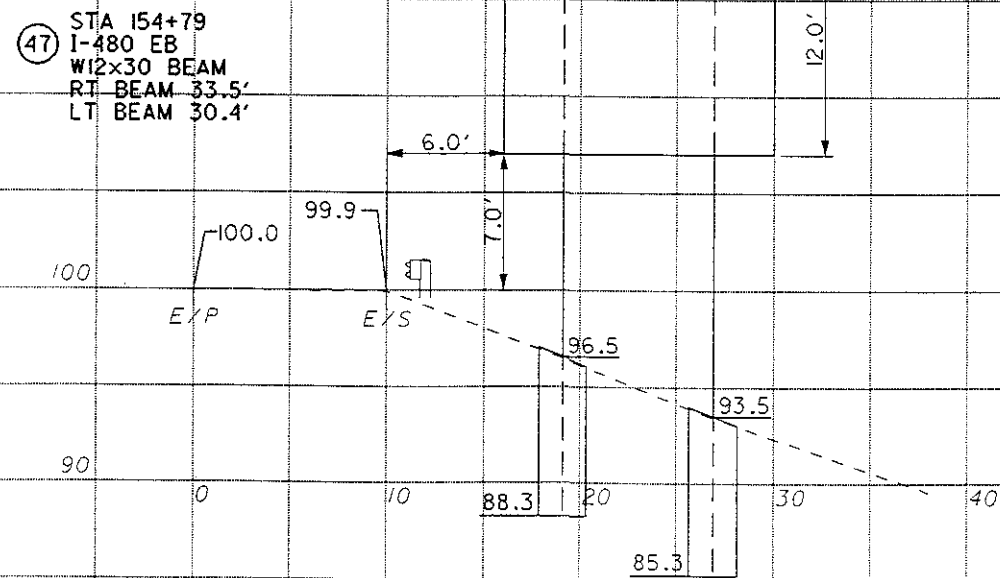
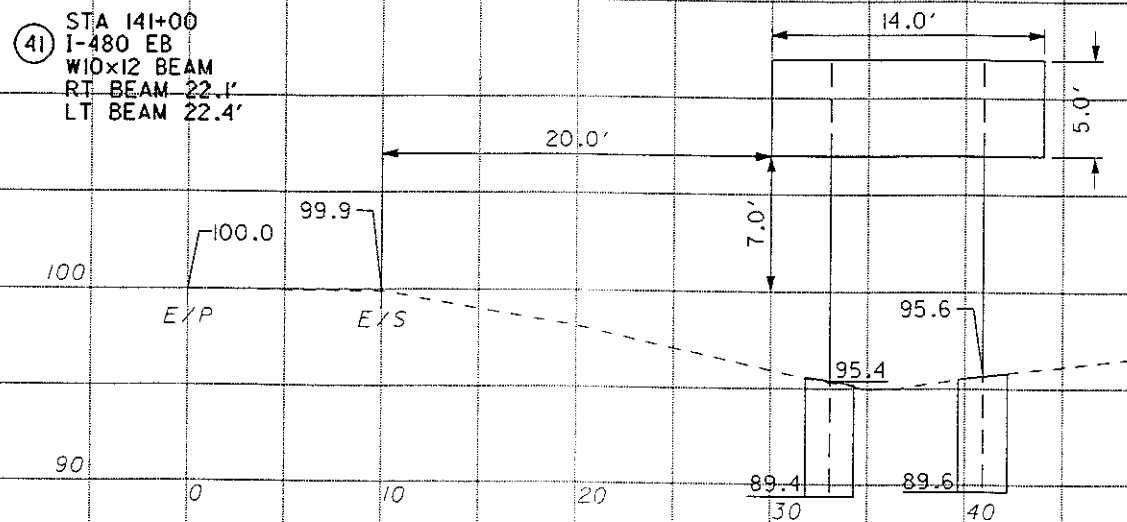
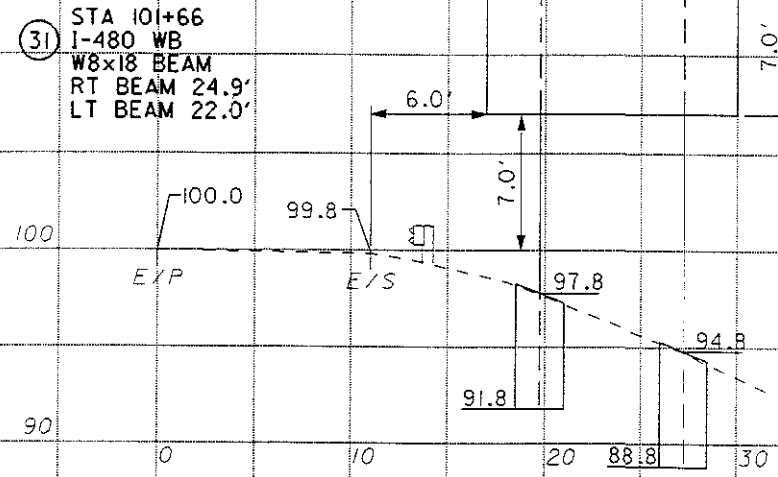
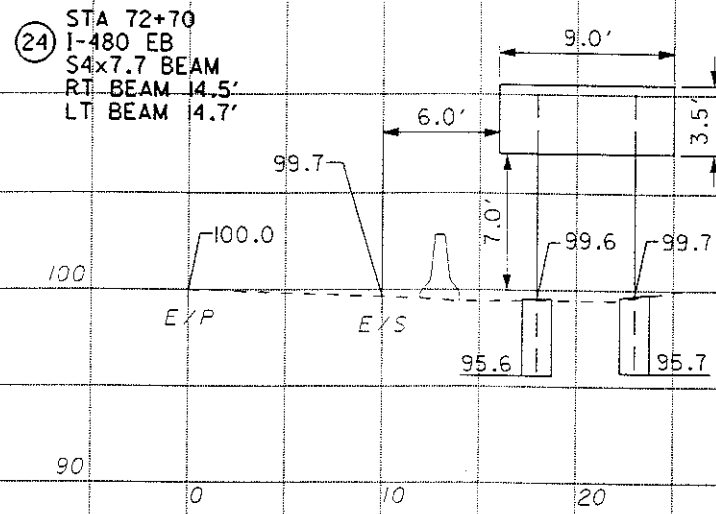
SUM / POR - 480 - 0.00

53
75

mjhurst@DD06CDD0252500 - gx.m - Friday October 11 2002 12:26:04 PM EDT

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



SHEET TOTAL

SHEET TOTAL

CROSS SECTIONS

SUM / POR - 480 - 0.00

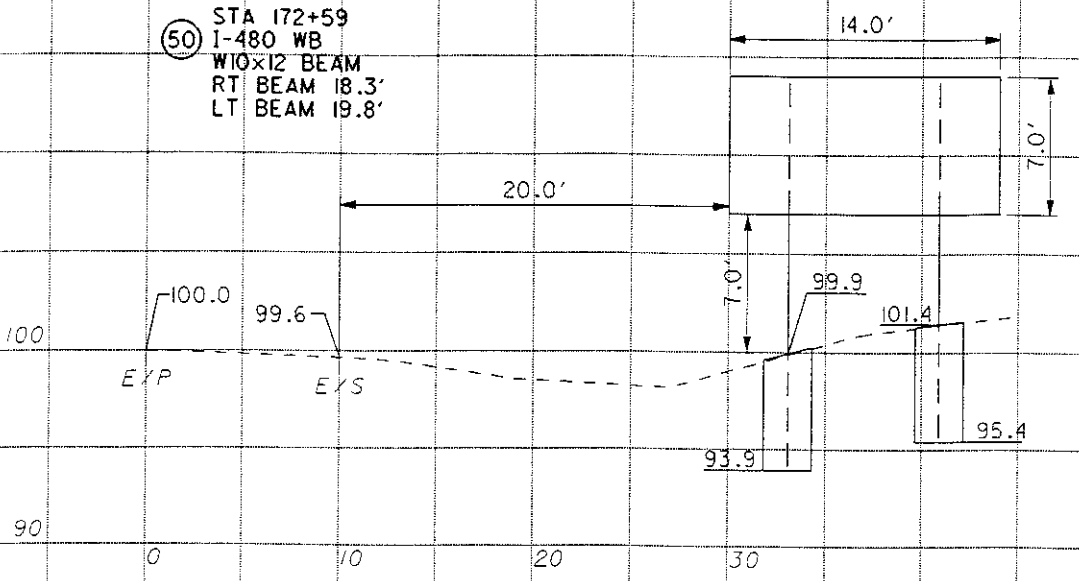
54 / 75

mhursti@DD04CDD252500 - gx.m - Friday October 11 2002 01:00:48 PM EDT

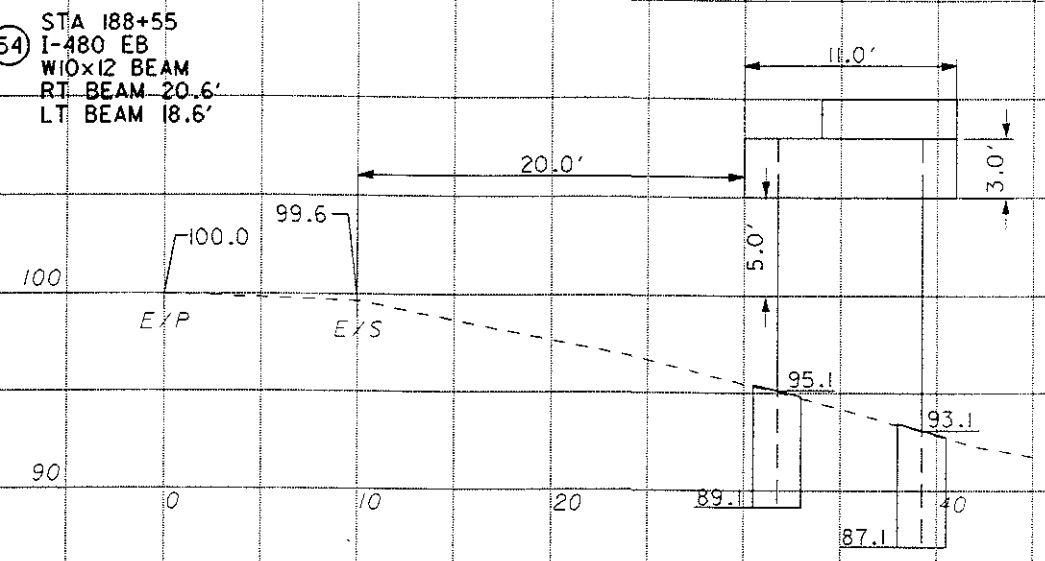
SEEDING	
END WIDTH	SO. DOS.

END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		

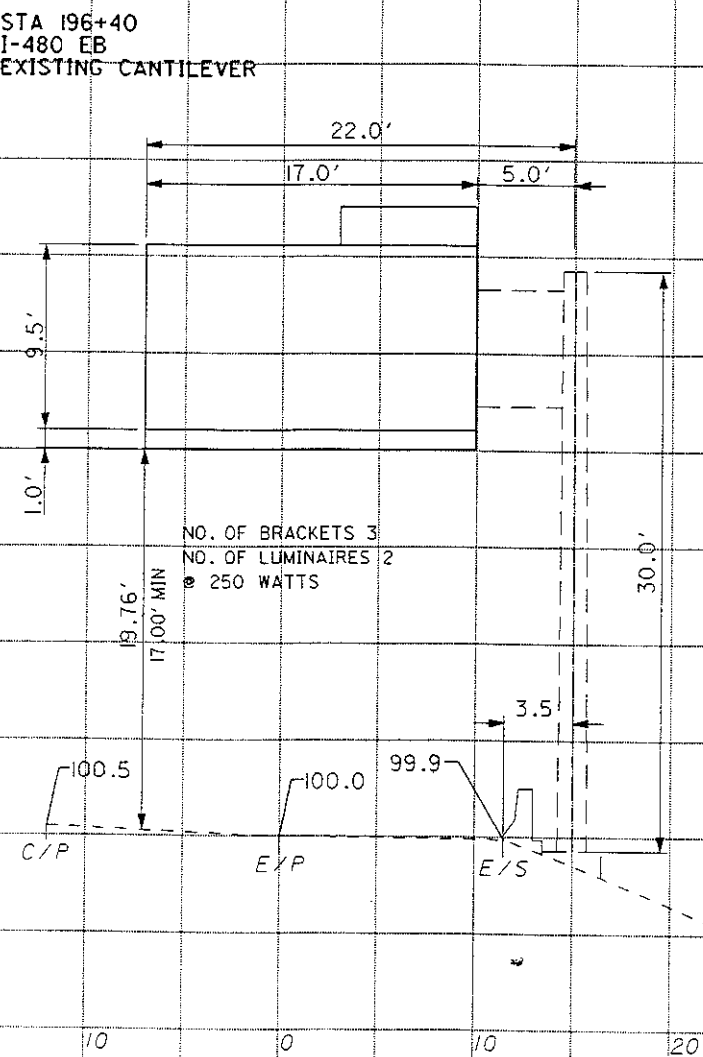
50 STA 172+59
I-480 WB
W10x12 BEAM
RT BEAM 18.3'
LT BEAM 19.8'



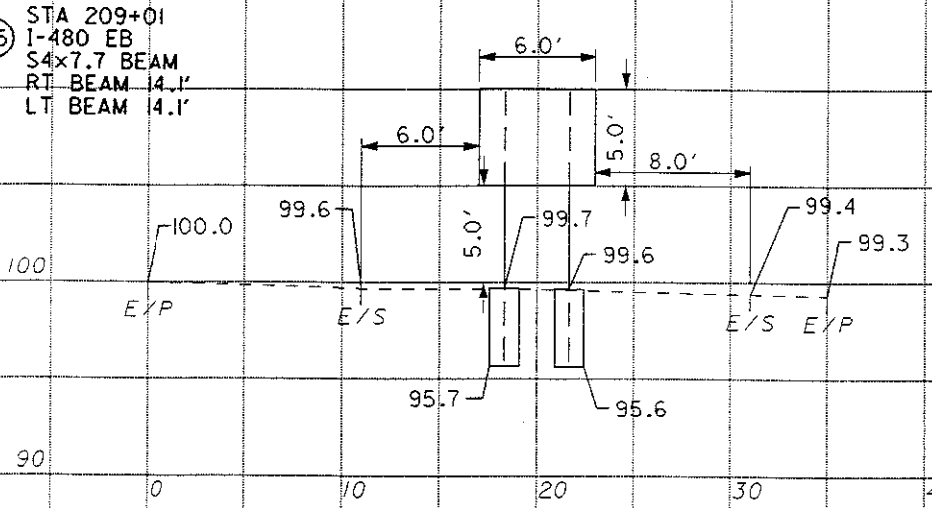
54 STA 188+55
I-480 EB
W10x12 BEAM
RT BEAM 20.6'
LT BEAM 18.6'



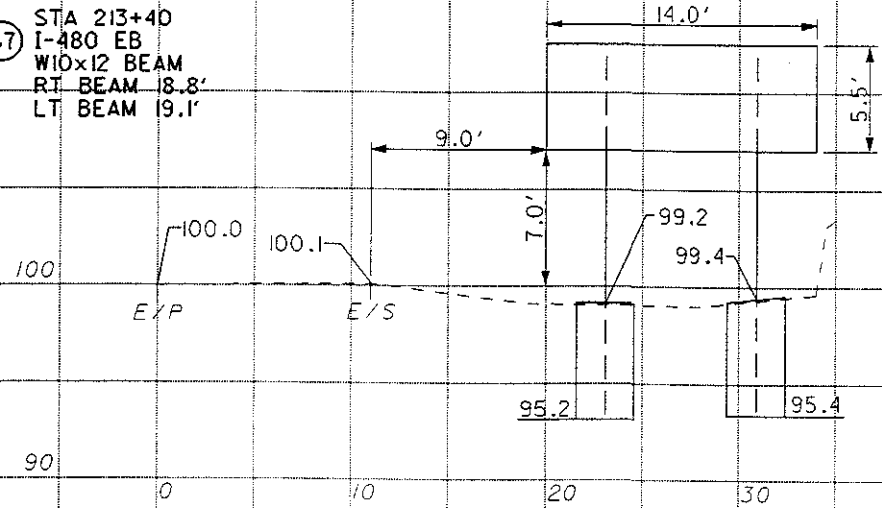
58 STA 196+40
I-480 EB
EXISTING CANTILEVER



65 STA 209+01
I-480 EB
S4x7.7 BEAM
RT BEAM 14.1'
LT BEAM 14.1'



67 STA 213+40
I-480 EB
W10x12 BEAM
RT BEAM 18.8'
LT BEAM 19.1'



SHEET TOTAL

SHEET TOTAL

CROSS SECTIONS

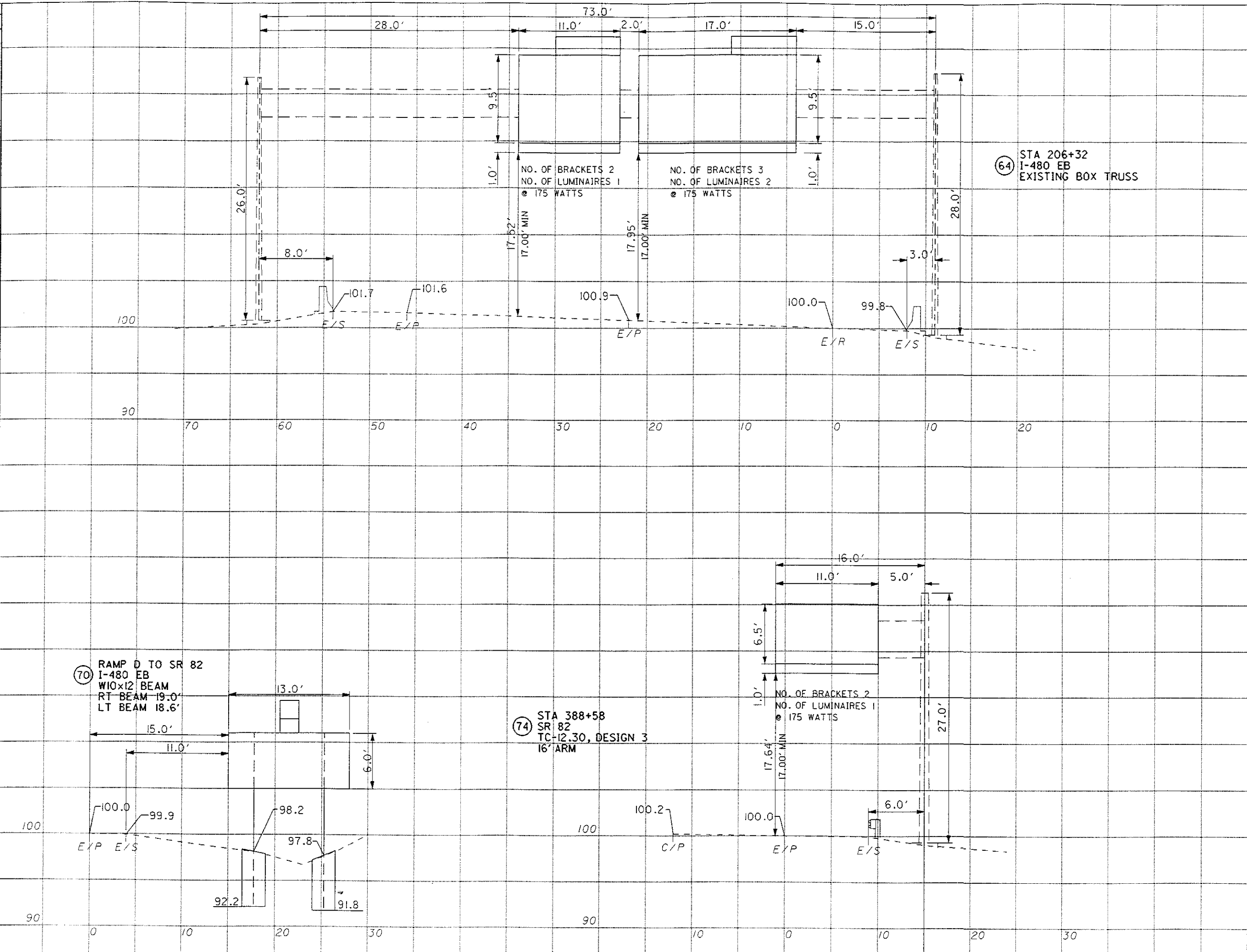
SUM / POR - 480 - 0.00

55 / 75

mhush@004000252500 - gx.m - Friday, October 11, 2002 01:07:40 PM EDT

SEEDING	
END WIDTH	SD. YDS.

END AREA		VOLUME	
OUT	FILL	OUT	FILL



64 STA 206+32
1-480 EB
EXISTING BOX TRUSS

74 STA 388+58
SR 82
TC-12.30, DESIGN 3
16' ARM

70 RAMP D TO SR 82
1-480 EB
W10x12 BEAM
RT BEAM 19.0'
LT BEAM 18.6'

CROSS SECTIONS

SUM / POR - 480 - 0.00

SHEET TOTAL

SHEET TOTAL

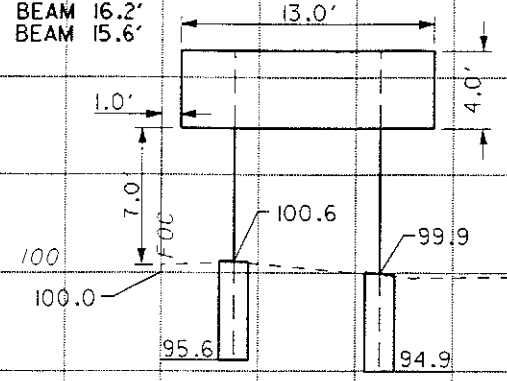
56
75

mhurst@D:\04\00252500 - gr.m - Friday October 11 2002 01:09:51 PM EDT

SEEDING	
END	SO.
WIDTH	YDS.

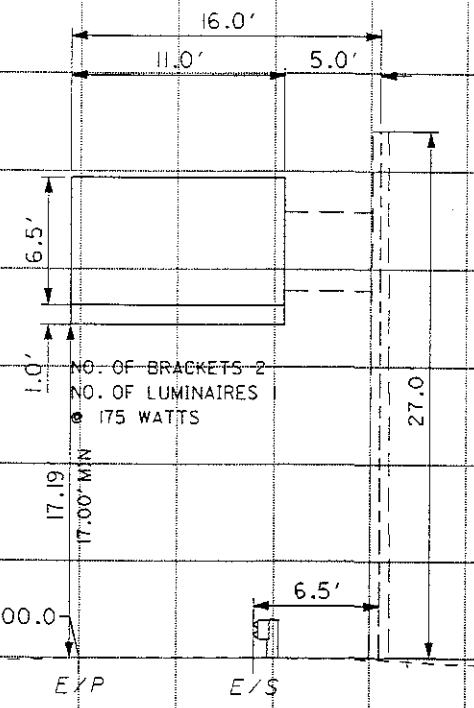
END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		

(75) STA 396+57
SR 82 WB
W6x9 BEAM
RT BEAM 16.2'
LT BEAM 15.6'



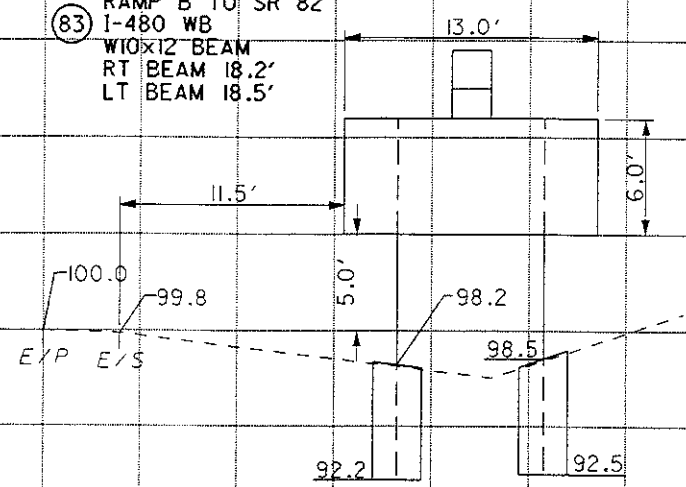
100
90
0 10 20

(89) STA 382+65
SR 82
EXISTING CANTILEVER



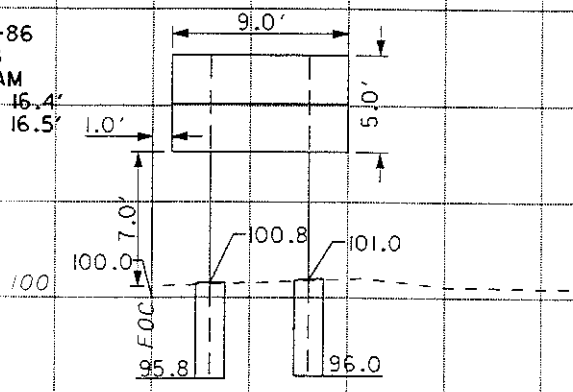
100
90
10 0 10 20 30

(83) RAMP B TO SR 82
I-480 WB
W10x12 BEAM
RT BEAM 18.2'
LT BEAM 18.5'



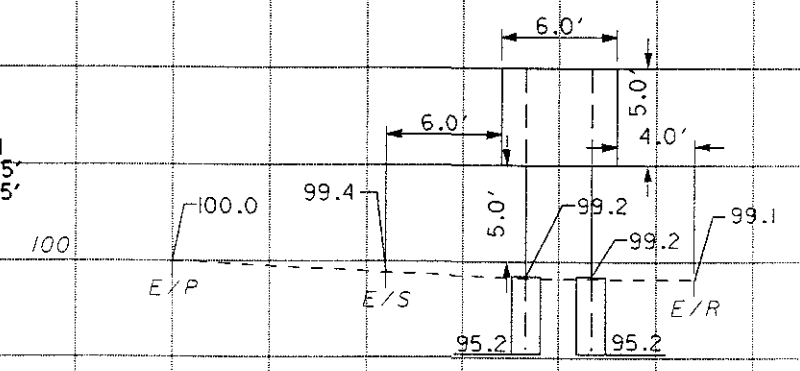
100
90
0 10 20 30

(90) STA 374+86
SR 82 EB
W6x9 BEAM
RT BEAM 16.4'
LT BEAM 16.5'



100
90
0 10 20

(96) STA 228+73
I-480 WB
S4x7.7 BEAM
RT BEAM 14.5'
LT BEAM 14.5'



100
90
0 10 20 30

SHEET TOTAL

SHEET TOTAL

CROSS SECTIONS

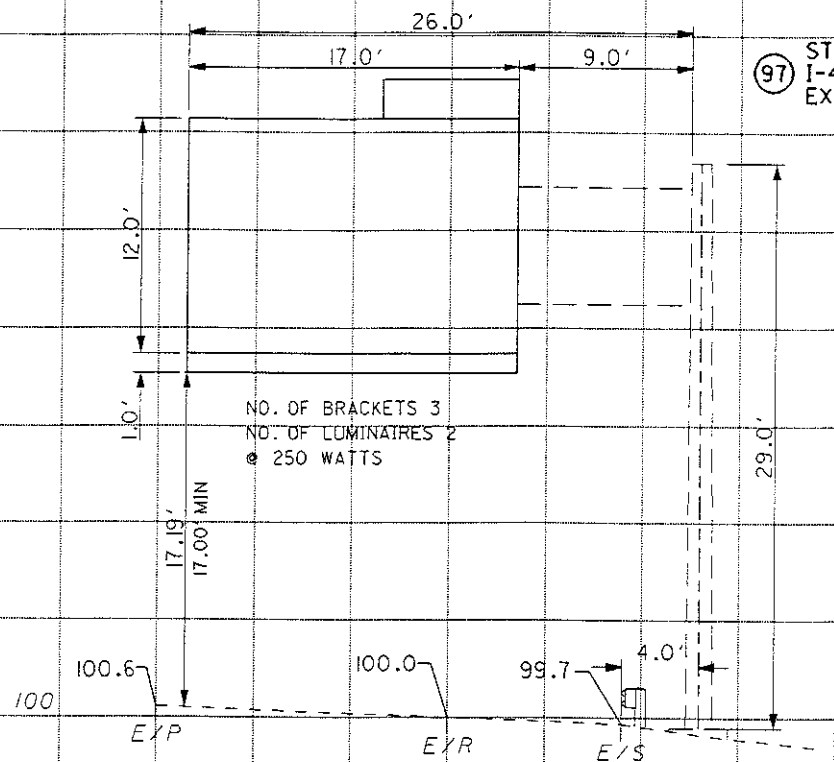
SUM / POR - 480 - 0.00

57 / 75

mhurst@D:\04\CD0252500 - g.m - Friday October 11 2002 01:14:59 PM EDT

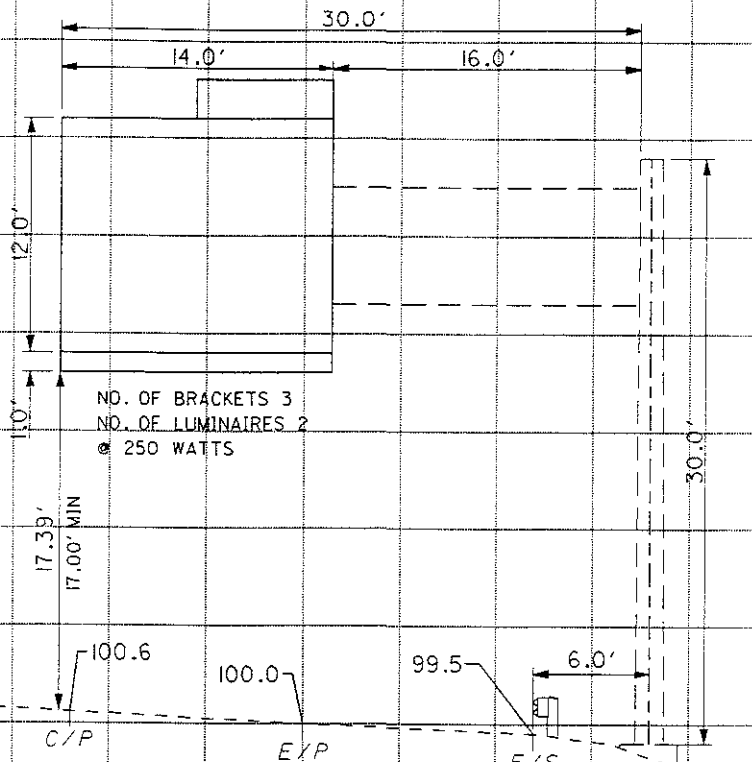
SEEDING	
END WIDTH	SO. OS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL



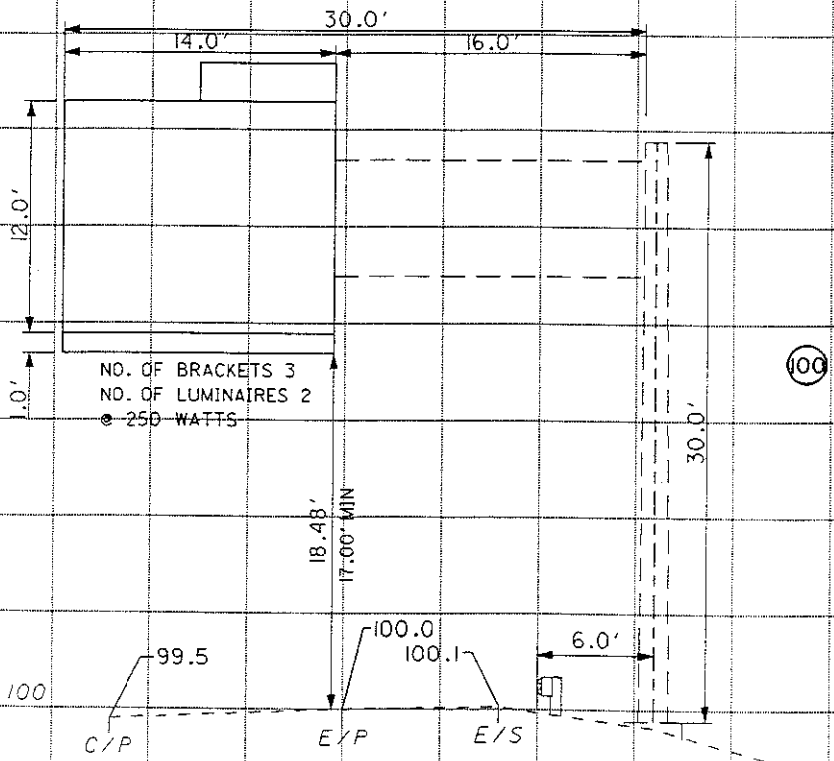
97 STA 231+99
I-480 WB
EXISTING CANTILEVER

NO. OF BRACKETS 3
NO. OF LUMINAIRES 2
@ 250 WATTS



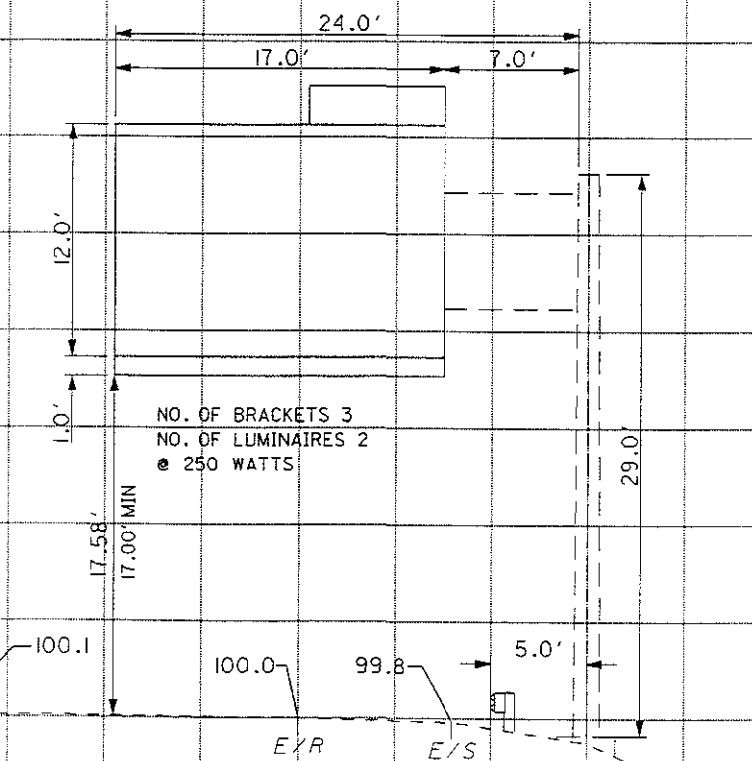
99 STA 238+76
I-480 WB
EXISTING CANTILEVER

NO. OF BRACKETS 3
NO. OF LUMINAIRES 2
@ 250 WATTS



100 STA 240+80
I-480 EB
EXISTING CANTILEVER

NO. OF BRACKETS 3
NO. OF LUMINAIRES 2
@ 250 WATTS



102 STA 247+41
I-480 EB
EXISTING CANTILEVER

NO. OF BRACKETS 3
NO. OF LUMINAIRES 2
@ 250 WATTS

SHEET TOTAL

SHEET TOTAL

CROSS SECTIONS

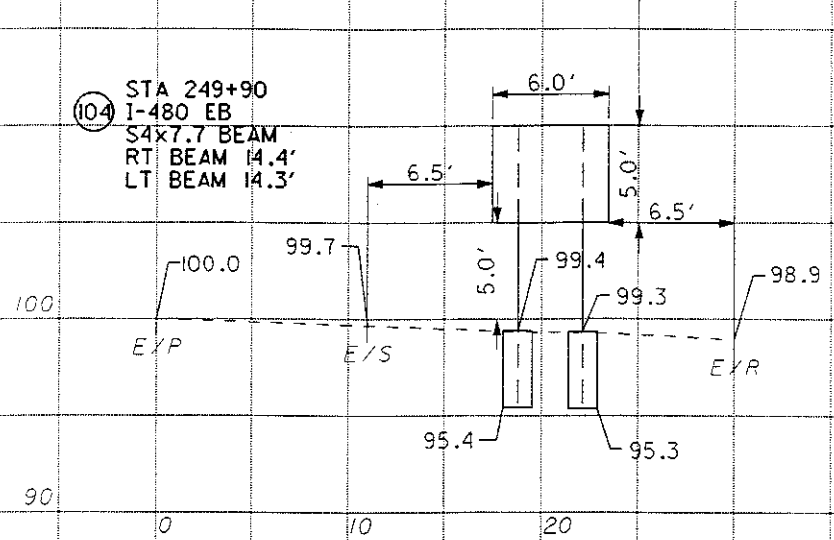
SUM / POR - 480 - 0.00

58 / 75

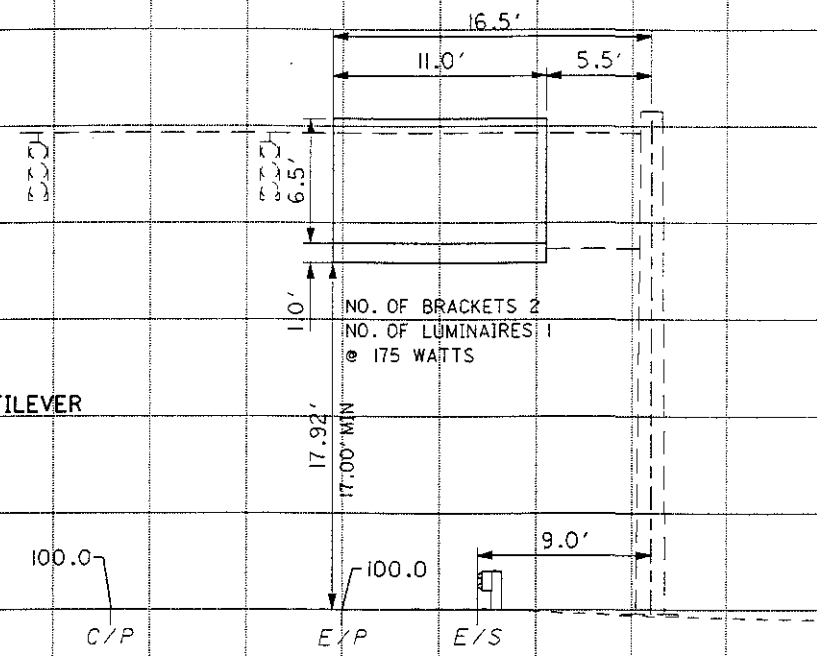
Kopnick@044CD023417 - 9x m - Friday October 11 2002 02:27:40 PM EDT

SEEDING	
END WIDTH	SO. YDS.

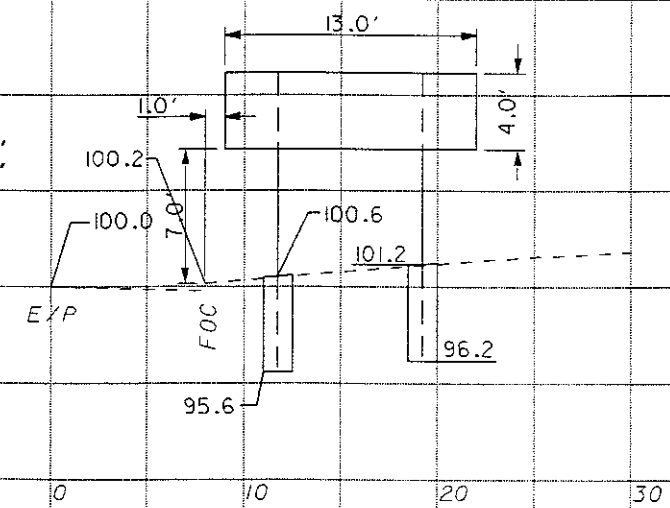
END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL		



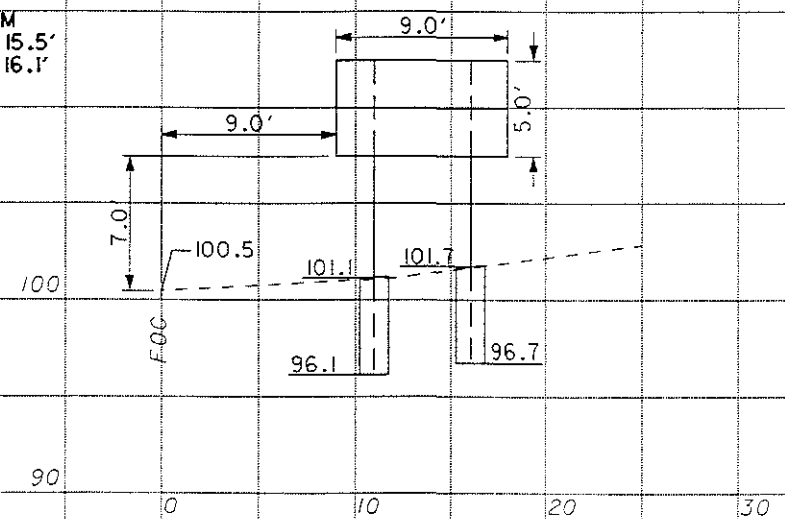
(115) STA 22+51
SR 91
EXISTING CANTILEVER



(118) STA 25+67
SR 91 SB
W6x9 BEAM
RT BEAM 14.7'
LT BEAM 15.3'



(119) STA 29+67
SR 91 SB
W6x9 BEAM
RT BEAM 15.5'
LT BEAM 16.1'



SHEET TOTAL

SHEET TOTAL

CROSS SECTIONS

SUM / POR - 480 - 0.00

59 / 75

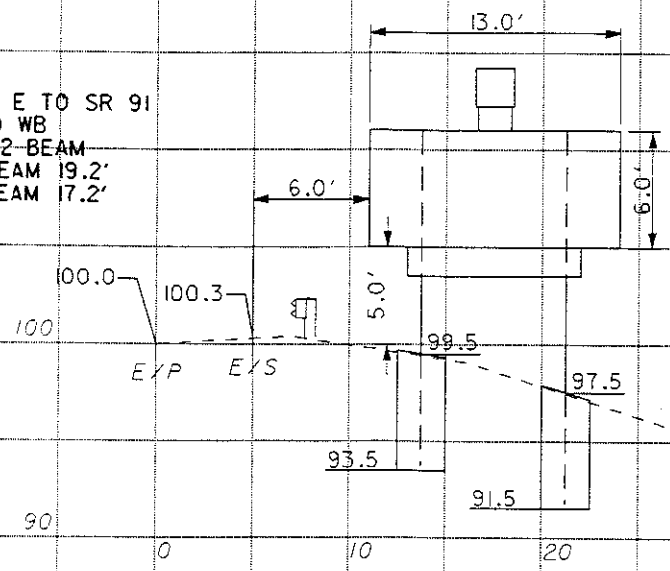
hoptnick@D04GDD0234117 - gx.m - Friday, October 11, 2002 02:27:52 PM EDT

SEEDING	
END WIDTH	SO. YDS.

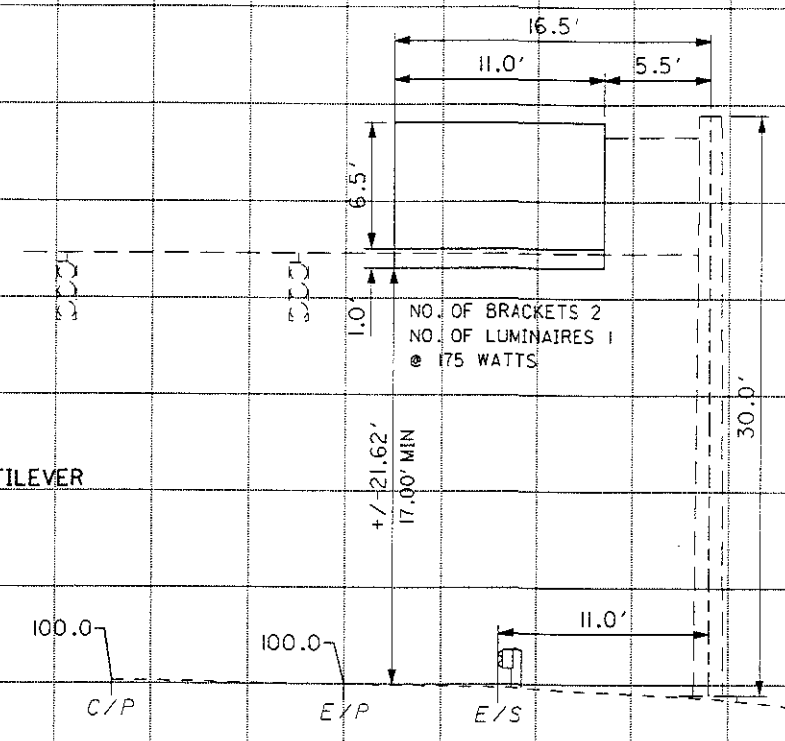
END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED
CHECKED

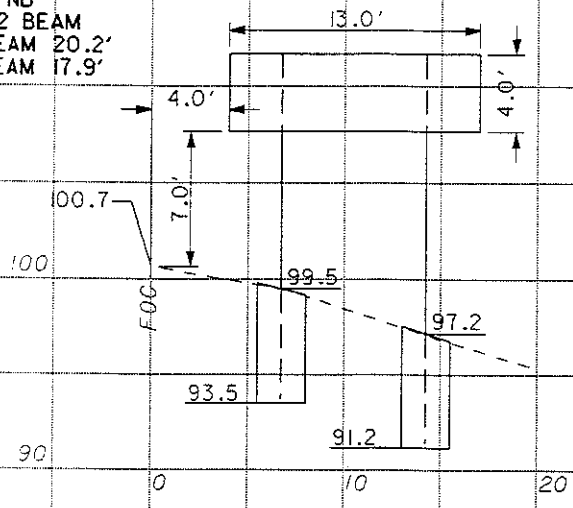
(127) RAMP E TO SR 91
1-480 WB
W10x12 BEAM
RT BEAM 19.2'
LT BEAM 17.2'



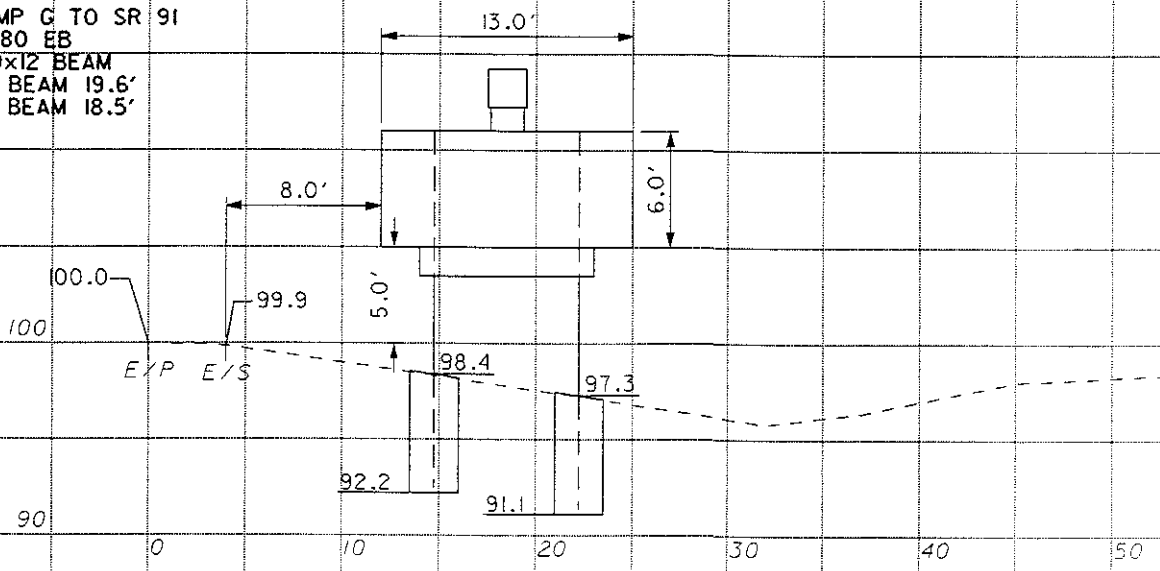
(131) STA 17+68
SR 91
EXISTING CANTILEVER



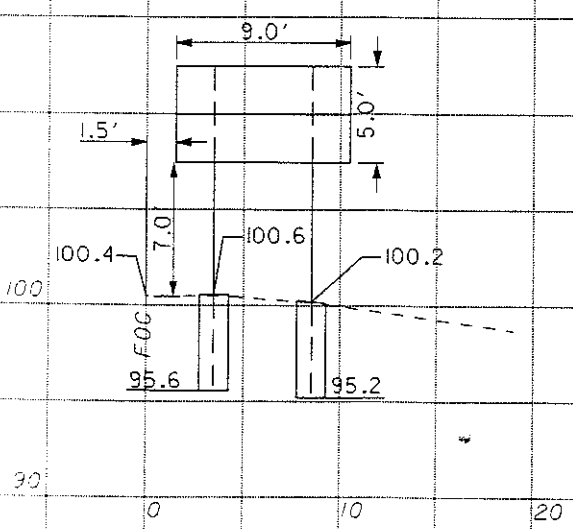
(132) STA 13+94
SR 91 NB
W10x12 BEAM
RT BEAM 20.2'
LT BEAM 17.9'



(141) RAMP G TO SR 91
1-480 EB
W10x12 BEAM
RT BEAM 19.6'
LT BEAM 18.5'



(133) STA 10+13
SR 91 NB
W6x9 BEAM
RT BEAM 17.1'
LT BEAM 16.6'



SHEET TOTAL

SHEET TOTAL

CROSS SECTIONS

SUM / POR - 480 - 0.00

60
75

milurshi@DD04020252500 - g.m.m - Friday October 11 2002 01:16:11 PM EDT

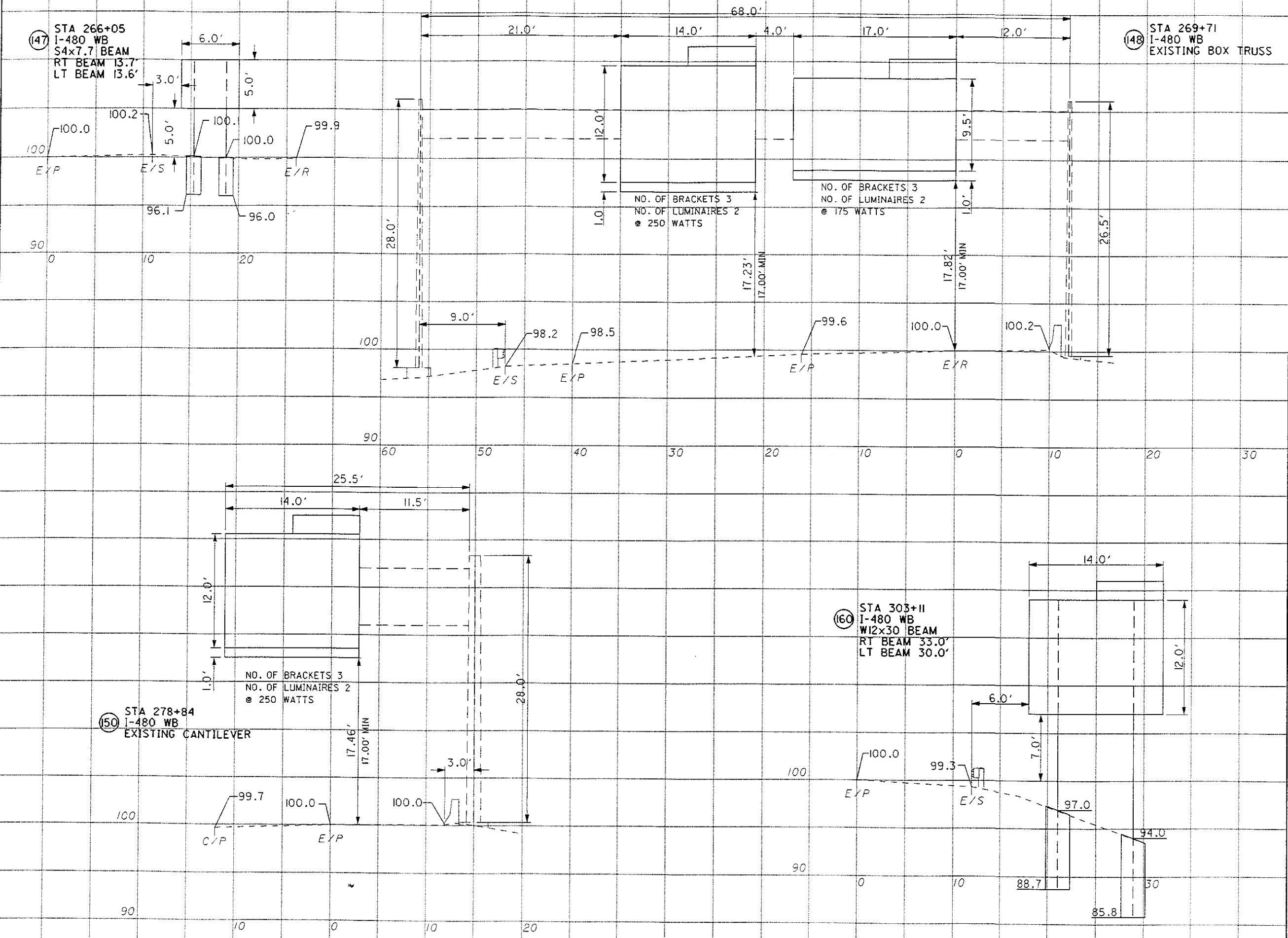
SEEDING	
END	SO.
*10TH	*DS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CROSS SECTIONS

SUM/POR-480-0.00

61
75



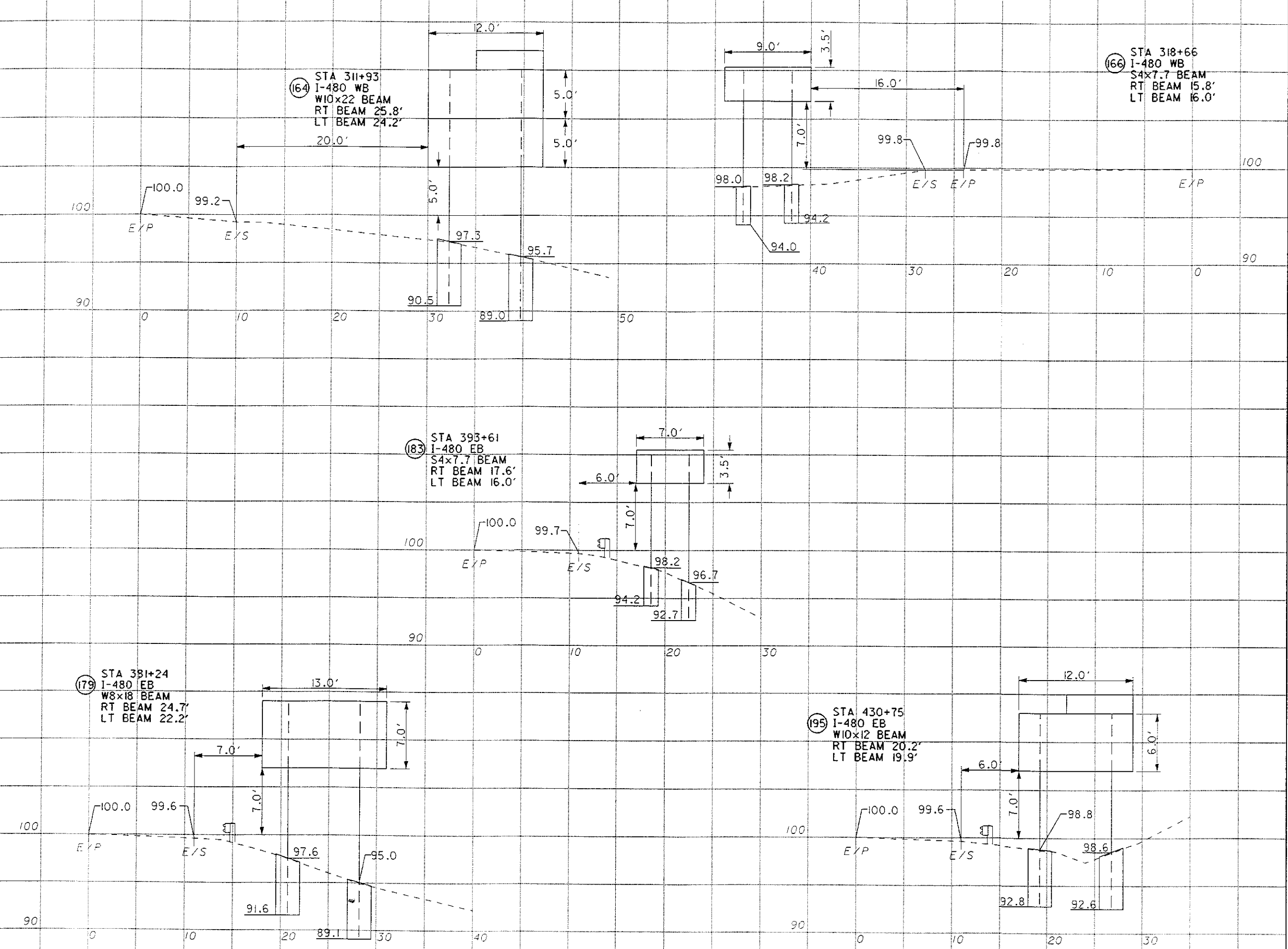
SHEET TOTAL

SHEET TOTAL

kopnick@D:\ACD\2023\4117 - Unfiled - Thursday, October 10, 2002 02:31:16 PM EDT

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL



(166) STA 318+66
 I-480 WB
 S4x7.7 BEAM
 RT BEAM 15.8'
 LT BEAM 16.0'

(183) STA 393+61
 I-480 EB
 S4x7.7 BEAM
 RT BEAM 17.6'
 LT BEAM 16.0'

(179) STA 381+24
 I-480 EB
 W8x18 BEAM
 RT BEAM 24.7'
 LT BEAM 22.2'

(195) STA 430+75
 I-480 EB
 W10x12 BEAM
 RT BEAM 20.2'
 LT BEAM 19.9'

SHEET TOTAL

SHEET TOTAL

CROSS SECTIONS

SUM / POR - 480 - 0.00

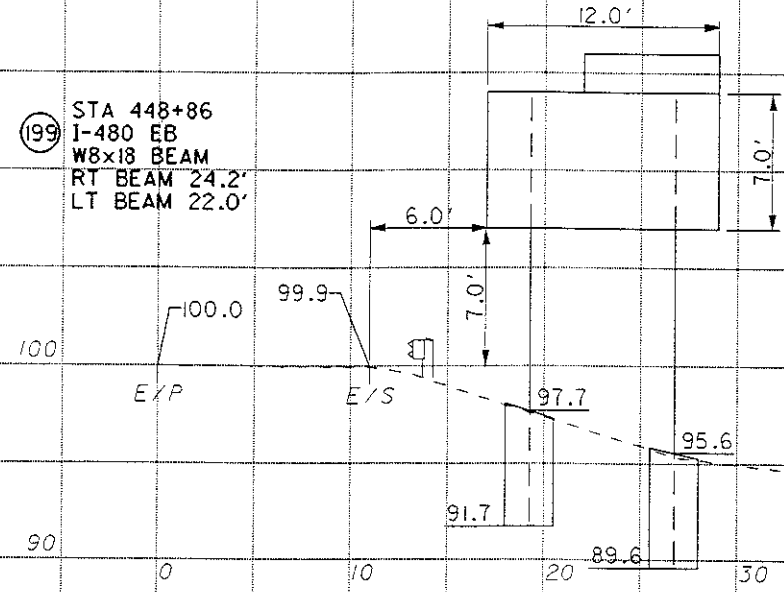
62
75

Kopnick@D:\04\CD0234117 - Unfiled - Thursday, October 10 2002 02:31:17 PM EDT

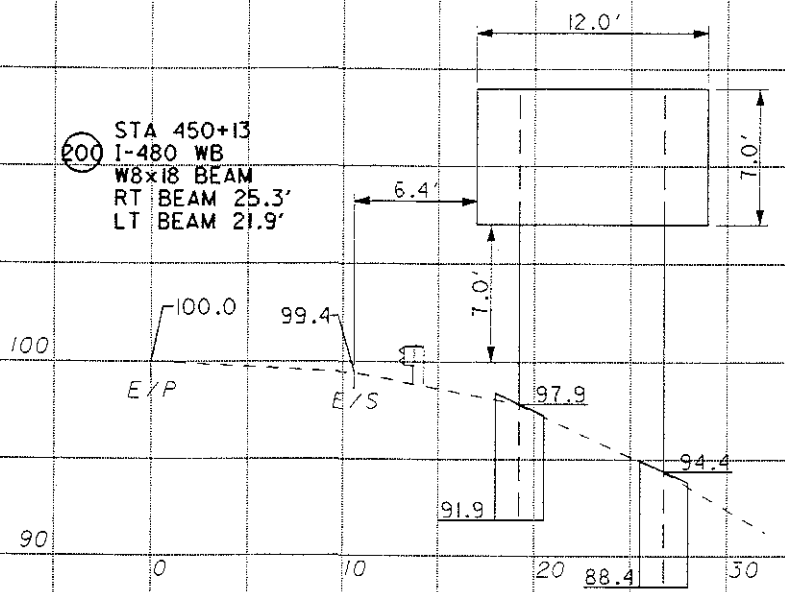
SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

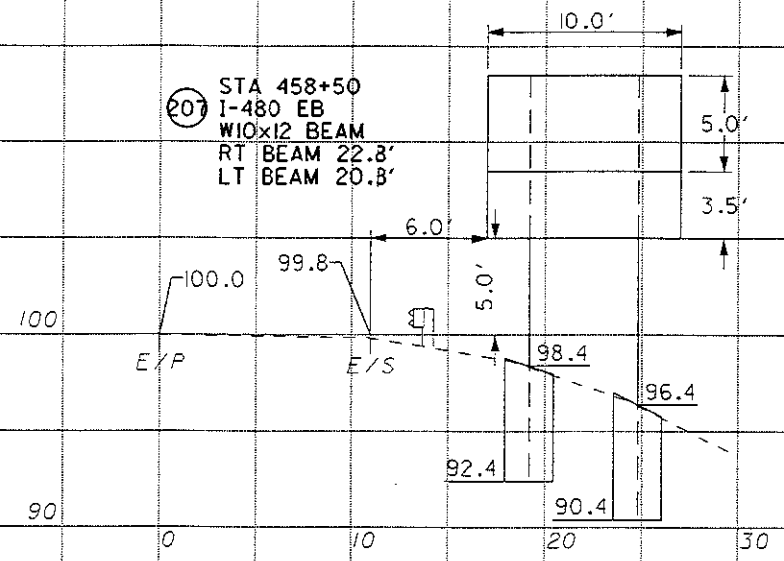
199 STA 448+86
I-480 EB
W8x18 BEAM
RT BEAM 24.2'
LT BEAM 22.0'



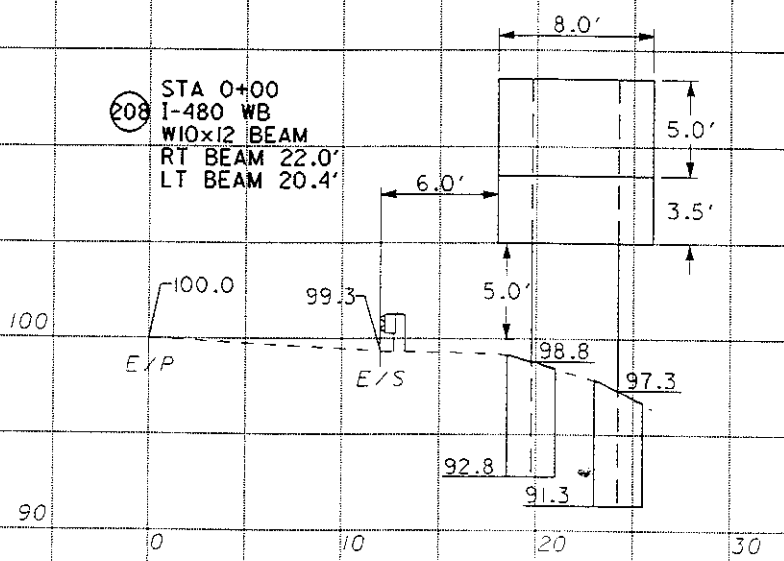
200 STA 450+13
I-480 WB
W8x18 BEAM
RT BEAM 25.3'
LT BEAM 21.9'



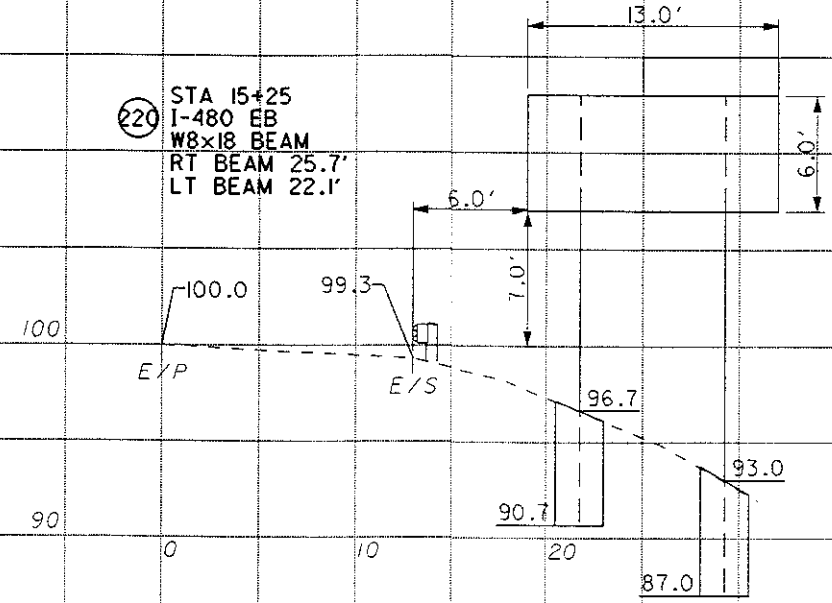
207 STA 458+50
I-480 EB
W10x12 BEAM
RT BEAM 22.8'
LT BEAM 20.8'



208 STA 0+00
I-480 WB
W10x12 BEAM
RT BEAM 22.0'
LT BEAM 20.4'



220 STA 15+25
I-480 EB
W8x18 BEAM
RT BEAM 25.7'
LT BEAM 22.1'



SHEET TOTAL

SHEET TOTAL

CROSS SECTIONS

SUM / POR - 480 - 0.00

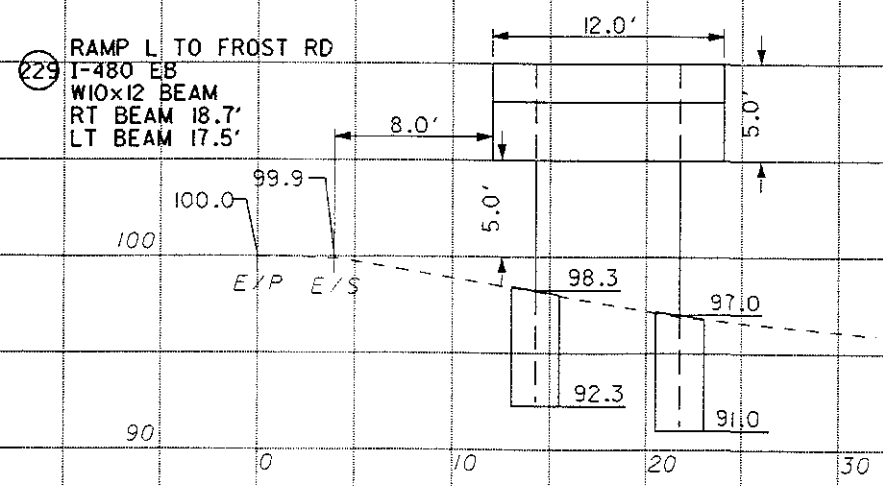
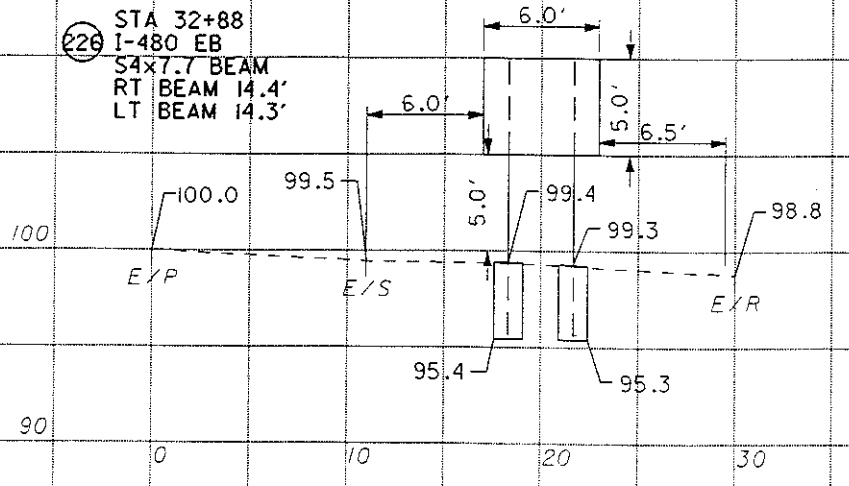
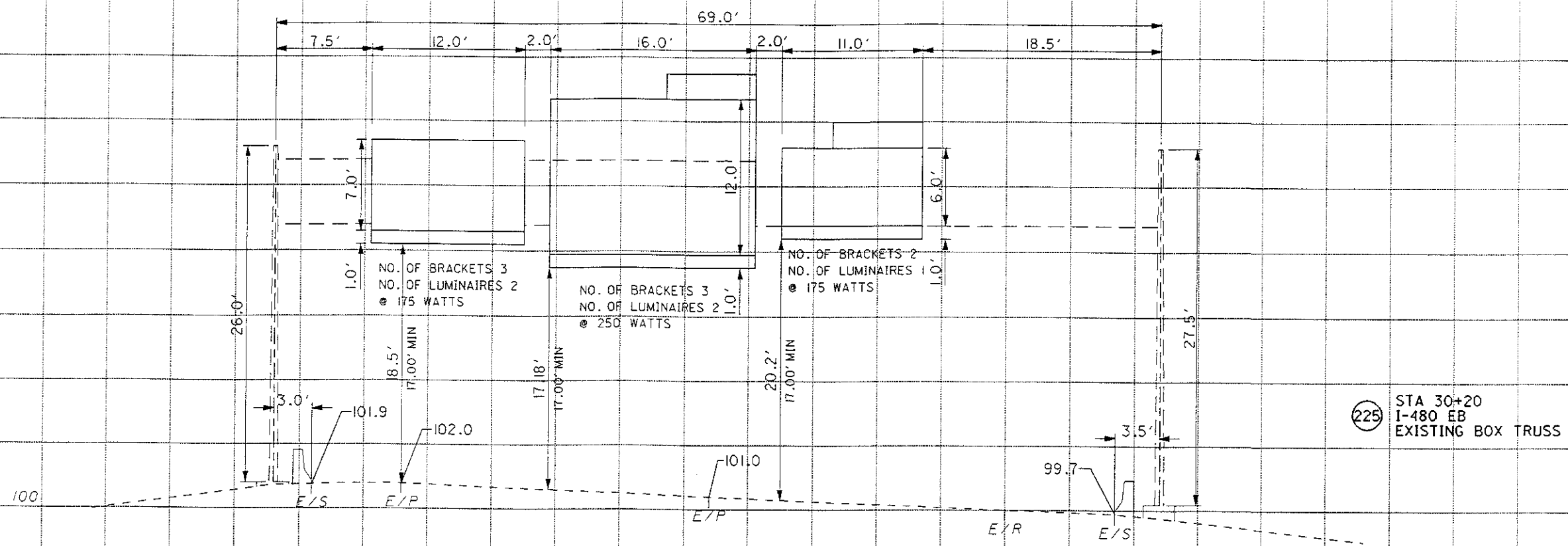
63
75

mjhurst@D04CDD0252500 - gk.m - Friday October 11 2002 01:21:42 PM EDT

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED
CHECKED



SHEET TOTAL

SHEET TOTAL

CROSS SECTIONS

SUM / POR - 480 - 0.00

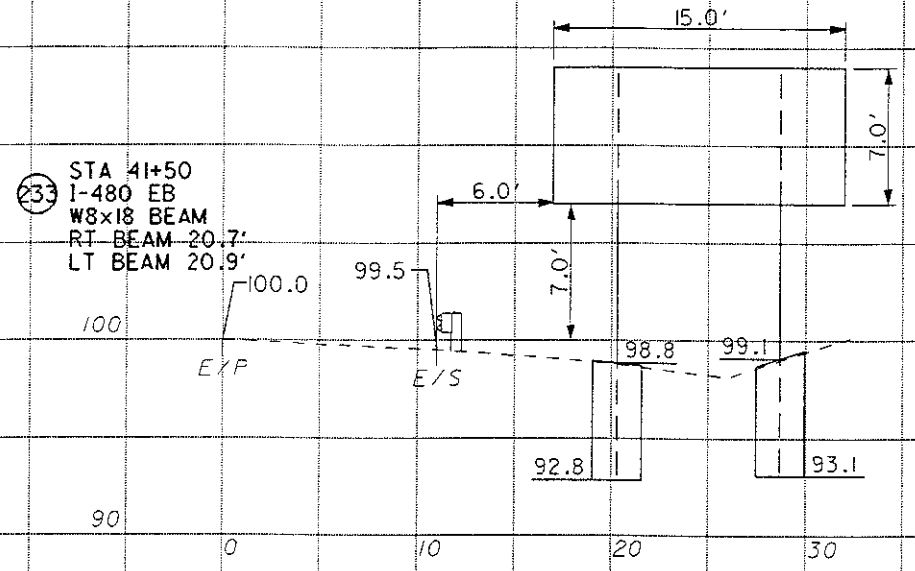
64
75

mhurst@DD06CDD252500 - gx.m - Friday October 11 2002 01:22:38 PM EDT

SEEDING	
END WIDTH	SO. POS.

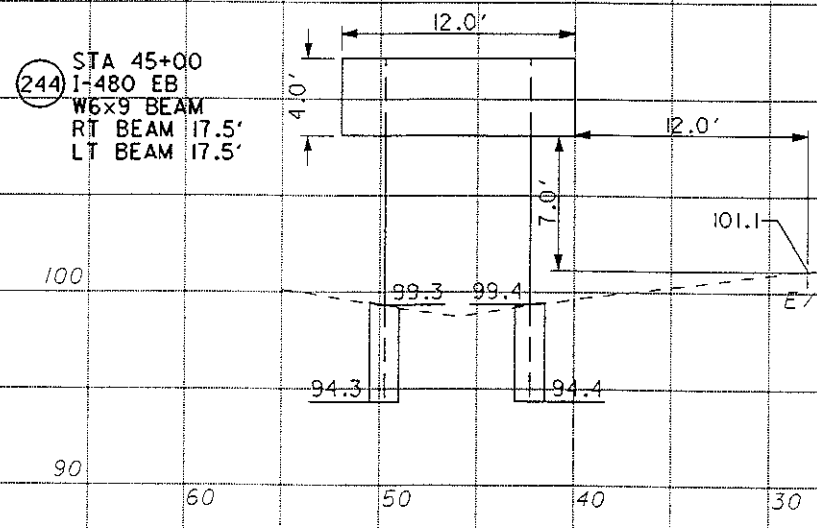
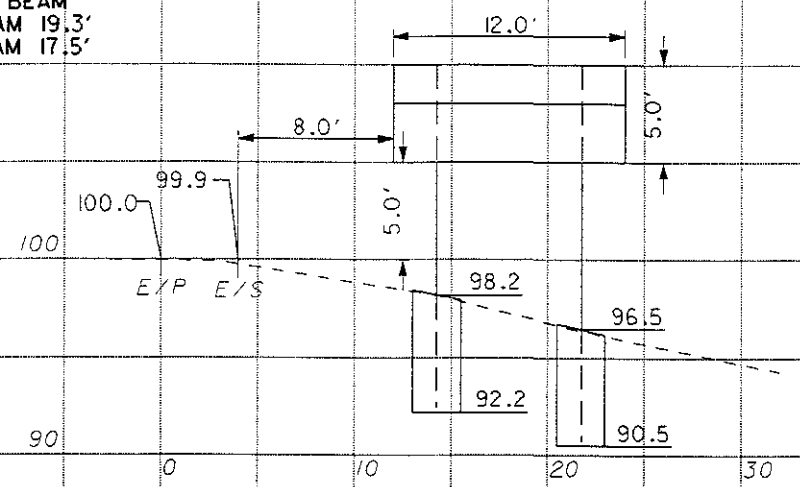
END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED
CHECKED

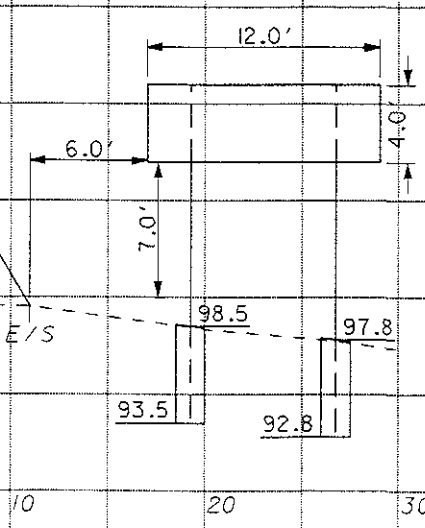


233 STA 41+50
I-480 EB
W8x18 BEAM
RT BEAM 20.7'
LT BEAM 20.9'

261 RAMP J TO FROST RD
I-480 WB
W10x12 BEAM
RT BEAM 19.3'
LT BEAM 17.5'



244 STA 45+00
I-480 EB
W6x9 BEAM
RT BEAM 17.5'
LT BEAM 17.5'



245 STA 45+00
I-480 EB
W6x9 BEAM
RT BEAM 17.9'
LT BEAM 17.2'

CROSS SECTIONS

SUM / POR - 480 - 0.00

SHEET TOTAL

SHEET TOTAL

65
75

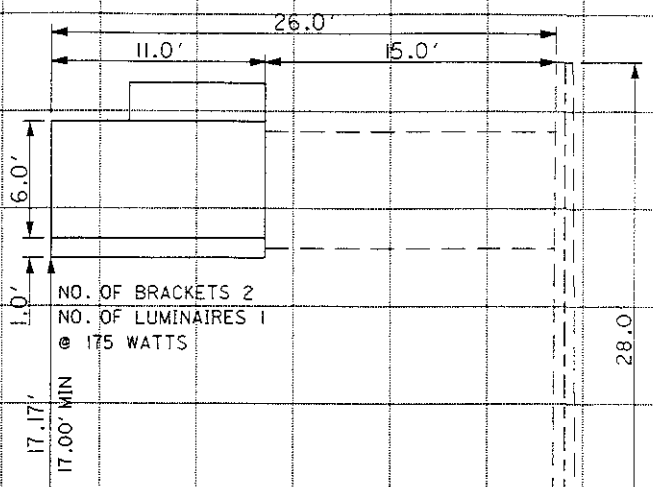
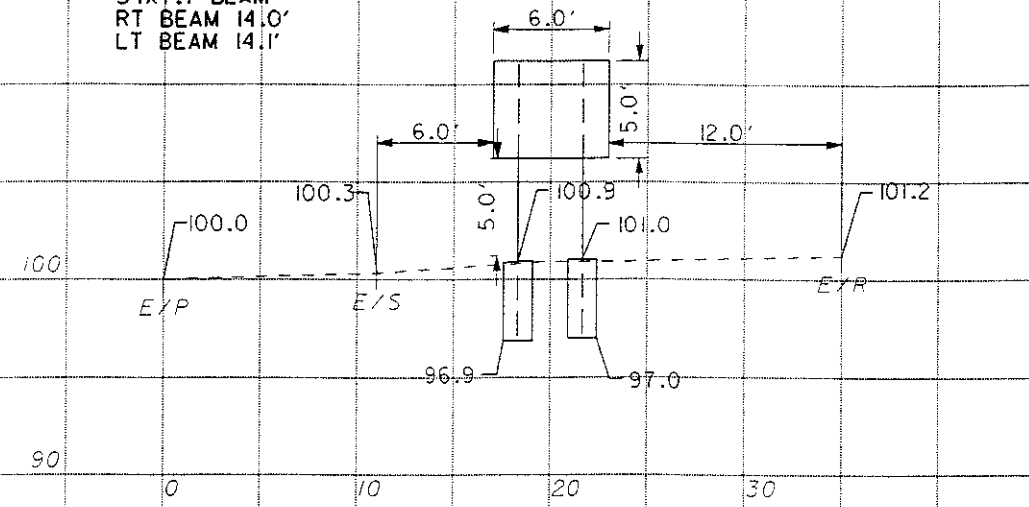
mjhursh@D04C020252500 - gxm - Friday October 11 2002 01:27:21 PM EDT

SEEDING	
END WIDTH	SO. DSE.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

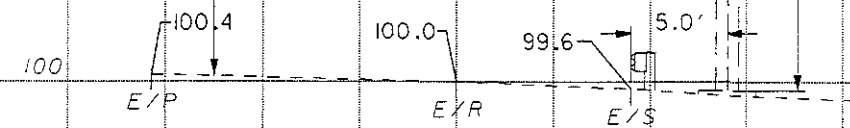
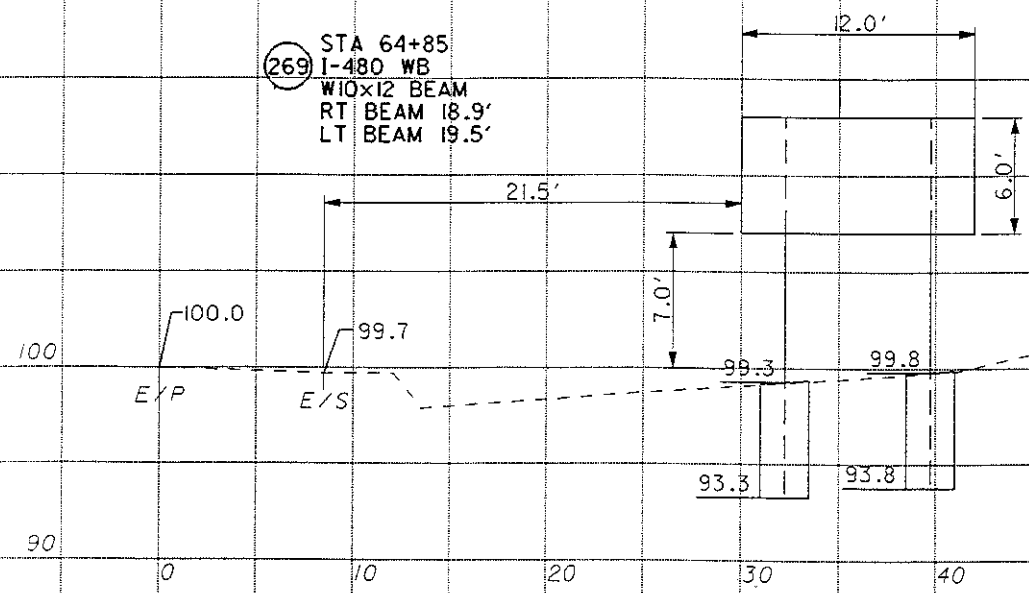
CALCULATED
CHECKED

264 STA 52+29
I-480 WB
S4x7.7 BEAM
RT BEAM 14.0'
LT BEAM 14.1'



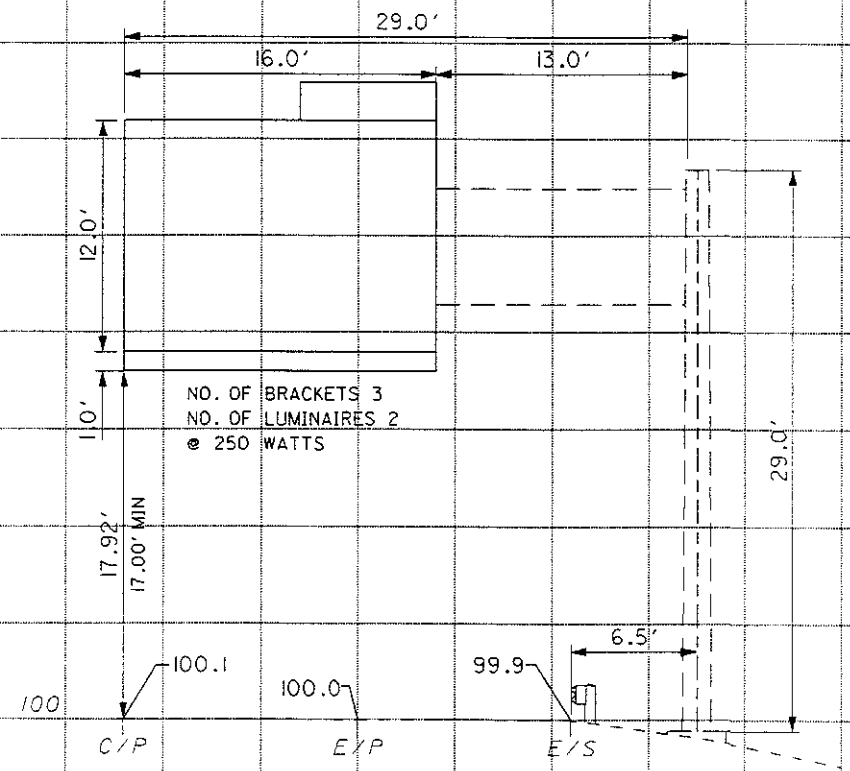
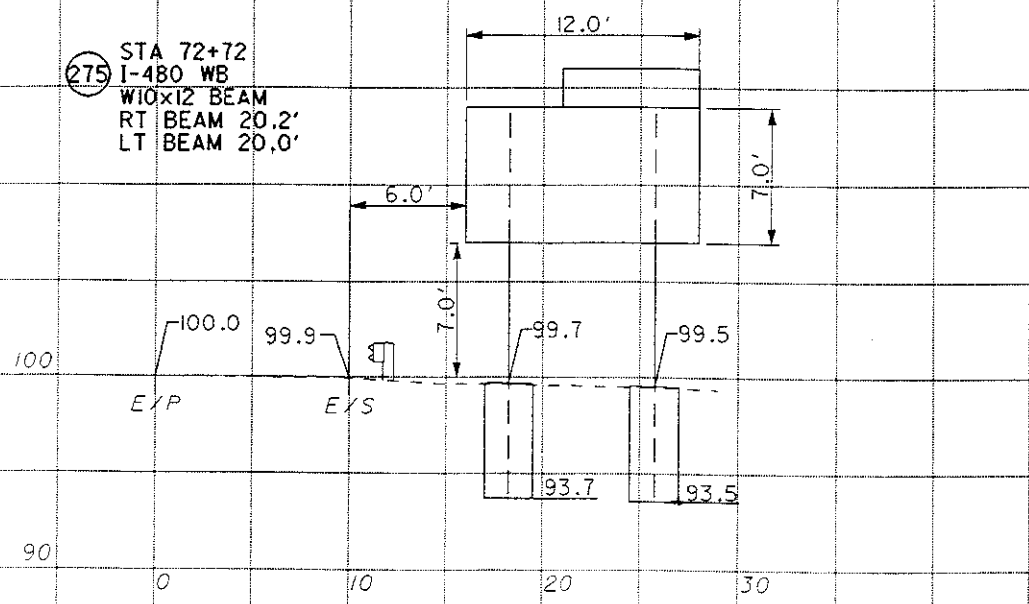
265 STA 55+23
I-480 WB
EXISTING CANTILEVER

269 STA 64+85
I-480 WB
W10x12 BEAM
RT BEAM 18.9'
LT BEAM 19.5'



270 STA 68+00
I-480 EB
EXISTING CANTILEVER

275 STA 72+72
I-480 WB
W10x12 BEAM
RT BEAM 20.2'
LT BEAM 20.0'



SHEET TOTAL

SHEET TOTAL

CROSS SECTIONS

SUM / POR - 480 - 0.00

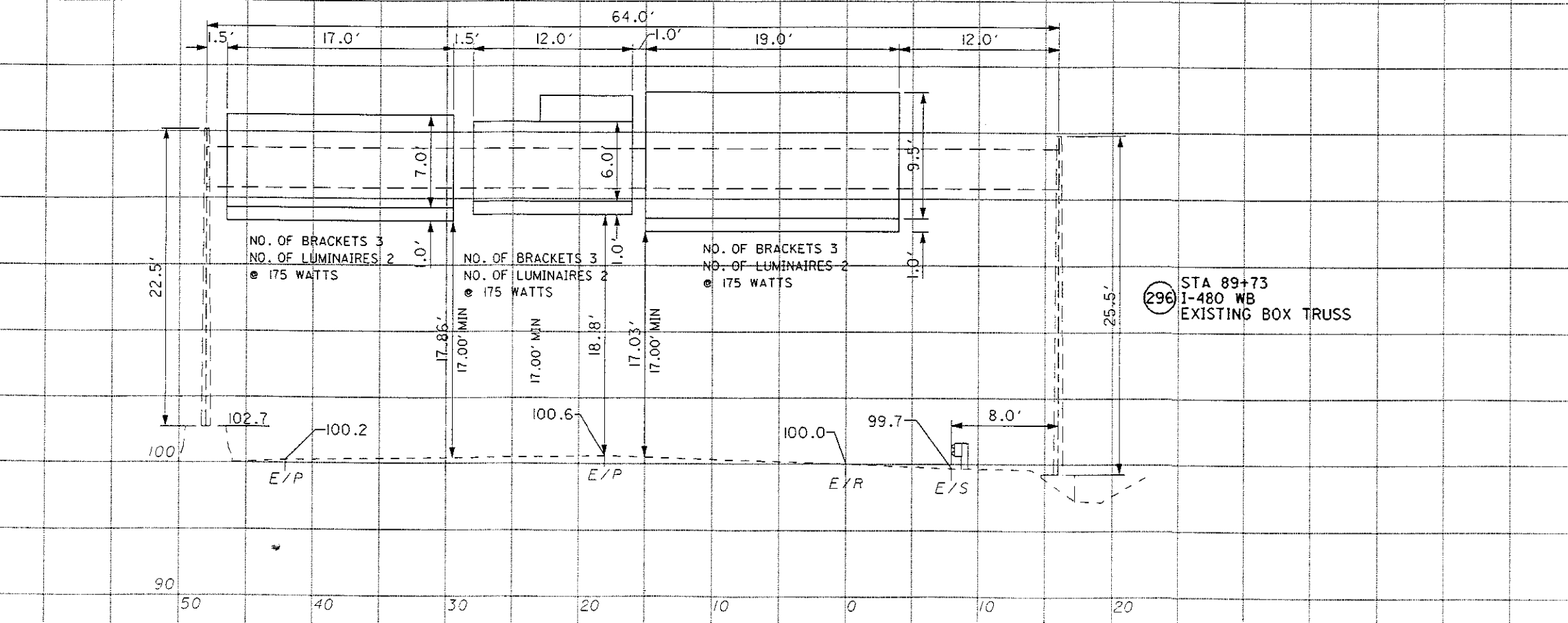
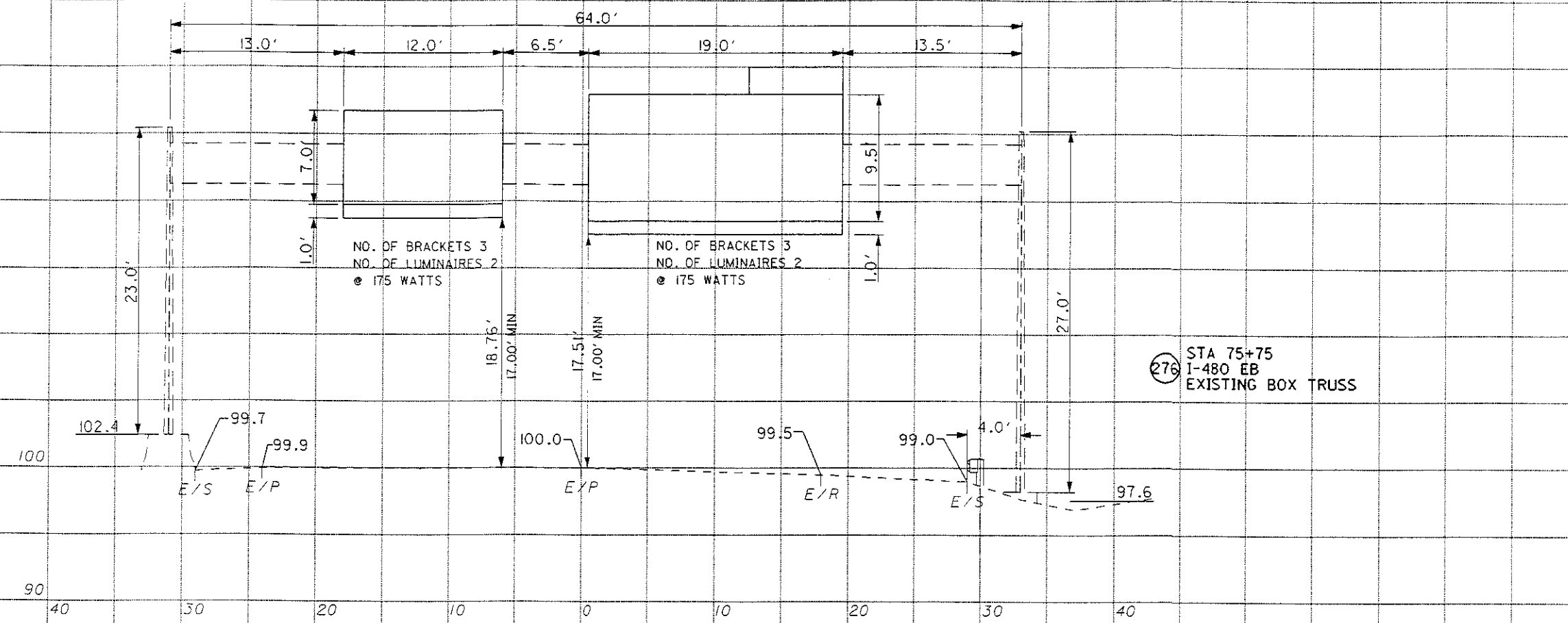
66
75

nhursti@D:\CADD\252500 - g.m - Friday October 11 2002 01:27:40 PM EDT

SEEDING	
END WIDTH	30. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED
CHECKED



CROSS SECTIONS

SUM / POR - 480 - 0.00

67
75

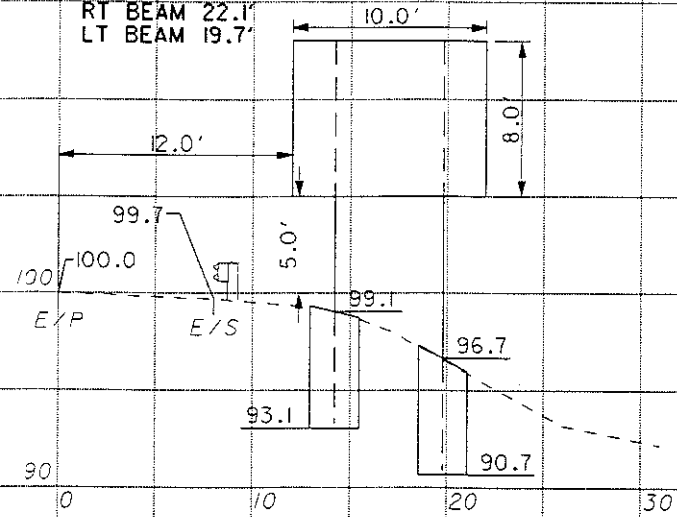
SHEET TOTAL

SHEET TOTAL

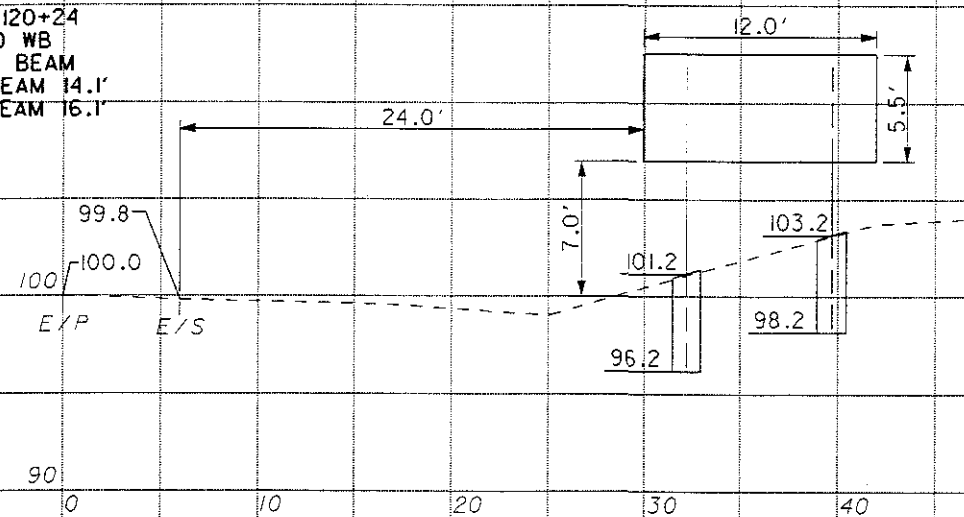
SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

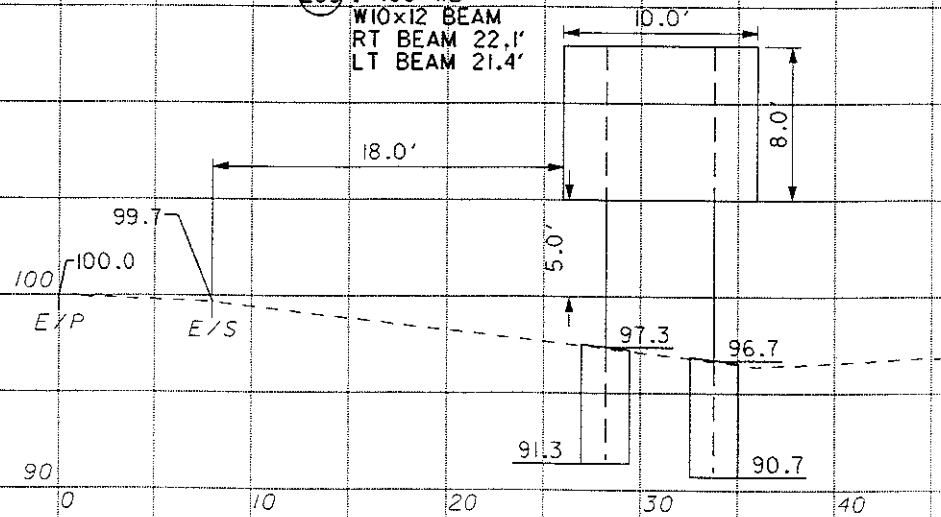
297 STA 107+23
I-480 WB
W10x12 BEAM
RT BEAM 22.1'
LT BEAM 19.7'



298 STA 120+24
I-480 WB
W6x9 BEAM
RT BEAM 14.1'
LT BEAM 16.1'



299 STA 133+18
I-480 WB
W10x12 BEAM
RT BEAM 22.1'
LT BEAM 21.4'



CROSS SECTIONS

SUM / POR - 480 - 0.00

68 / 75

SHEET TOTAL

SHEET TOTAL

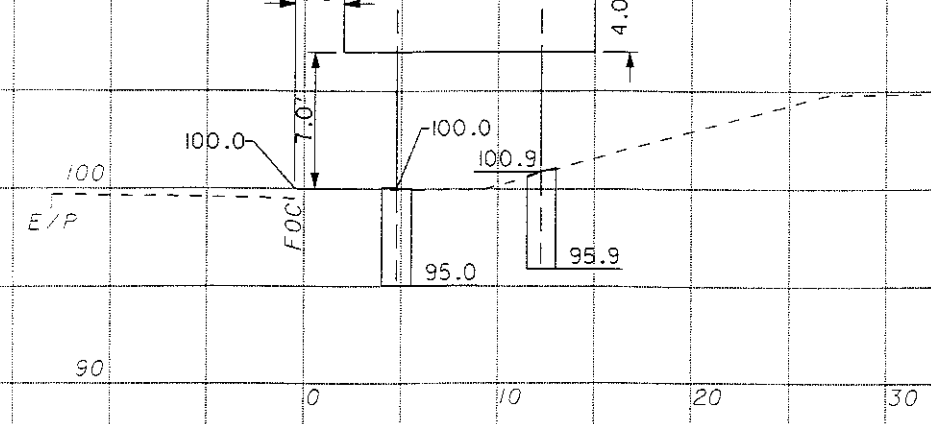
nhush@D:\DC\CD0252500 - g.m - Friday October 11 2002 01:31:44 PM EDT

SEEDING	
END WIDTH	SO. YDS.

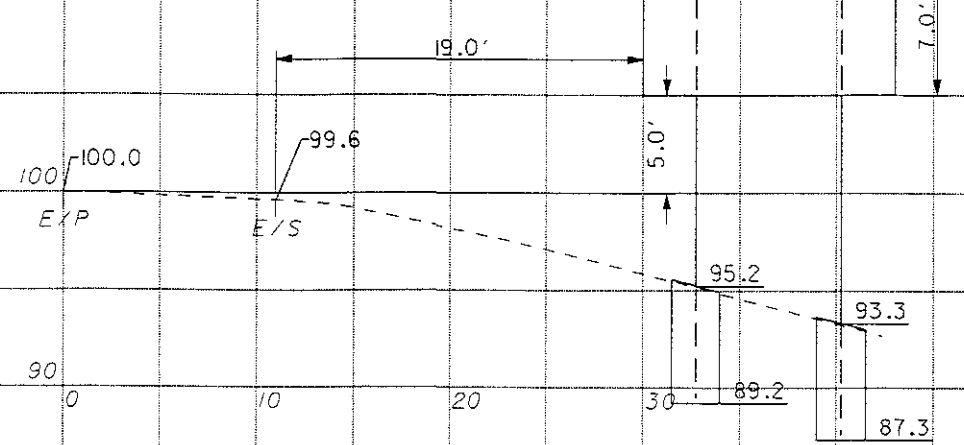
END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED
CHECKED

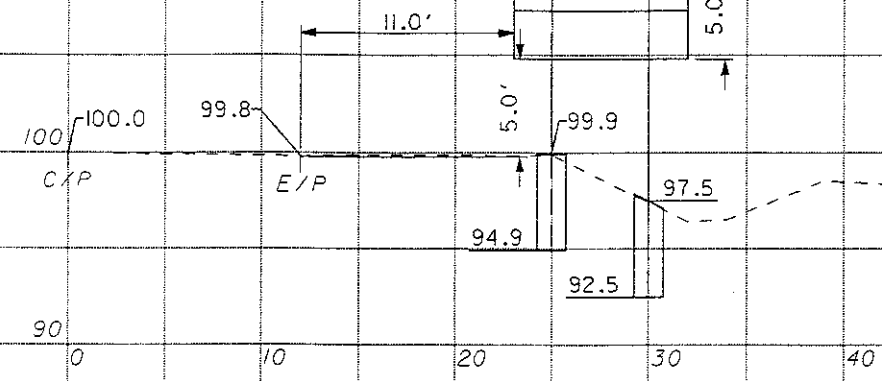
90a STA 380+18
SR 82 EB
W6x9 BEAM
RT BEAM 14.9'
LT BEAM 15.7'



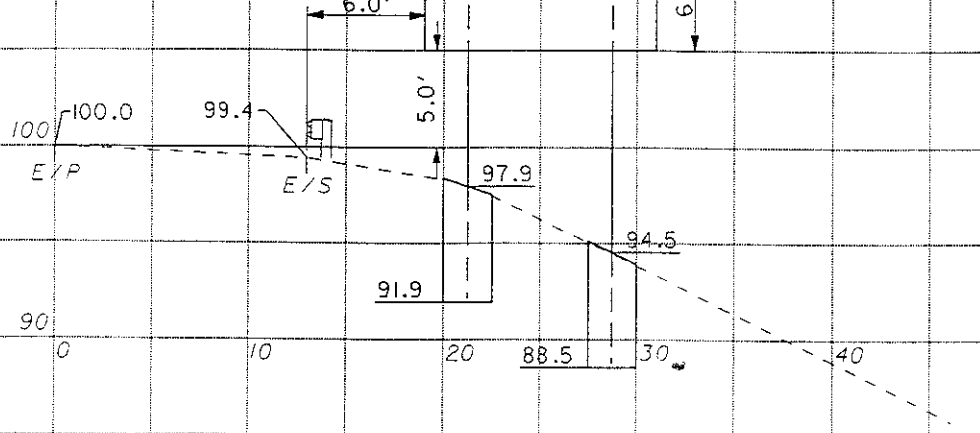
160a STA 304+25
1-480 EB
W8x18 BEAM
RT BEAM 24.4'
LT BEAM 22.5'



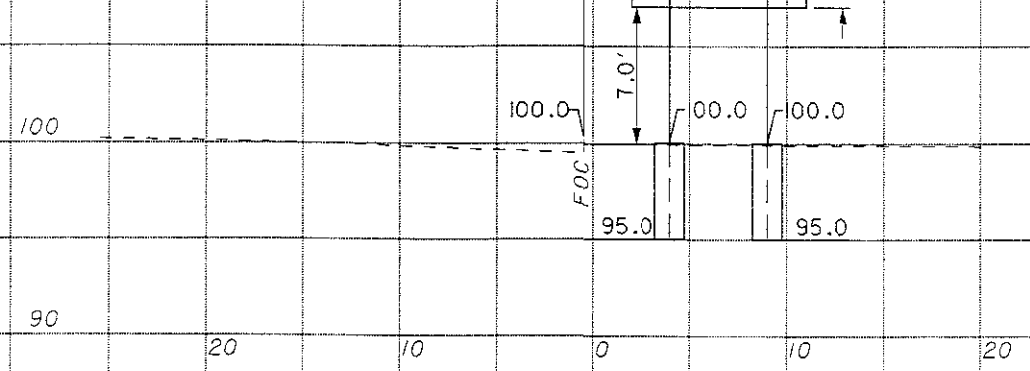
238 STA 37+24
FROST RD EB
W6x9 BEAM
RT BEAM 17.0'
LT BEAM 14.6'



208a STA 3+80
1-480 EB
W10x12 BEAM
RT BEAM 22.2'
LT BEAM 18.8'



252 STA 59+47
FROST RD WB
W6x9 BEAM
RT BEAM 17.0'
LT BEAM 16.9'



SHEET TOTAL

SHEET TOTAL

CROSS SECTIONS

SUM / POR - 480 - 0.00

68a
75

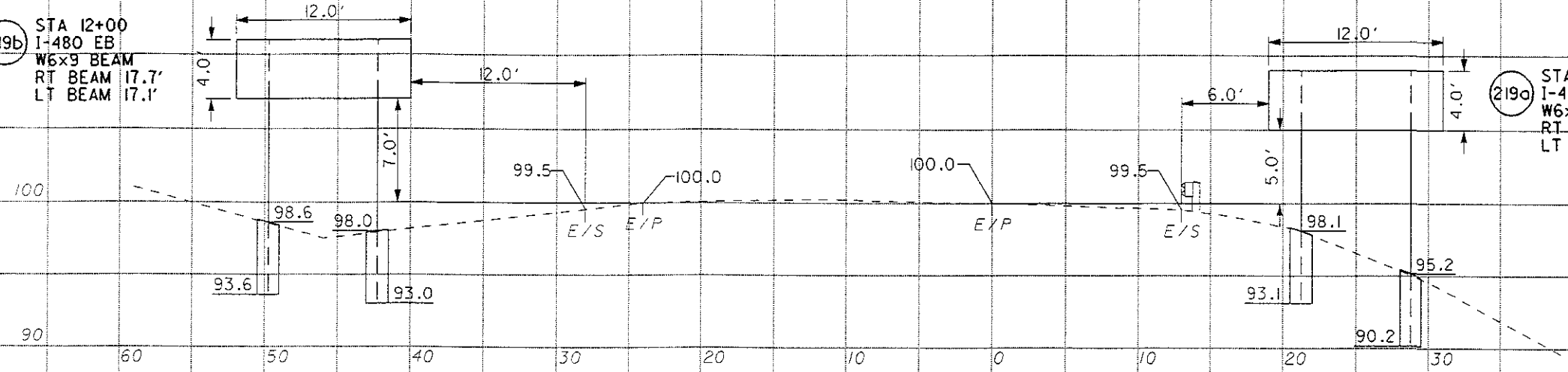
mhush@D04CDD0252500 - gm - Friday, October 11 2002 01:34:47 PM EDT

SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

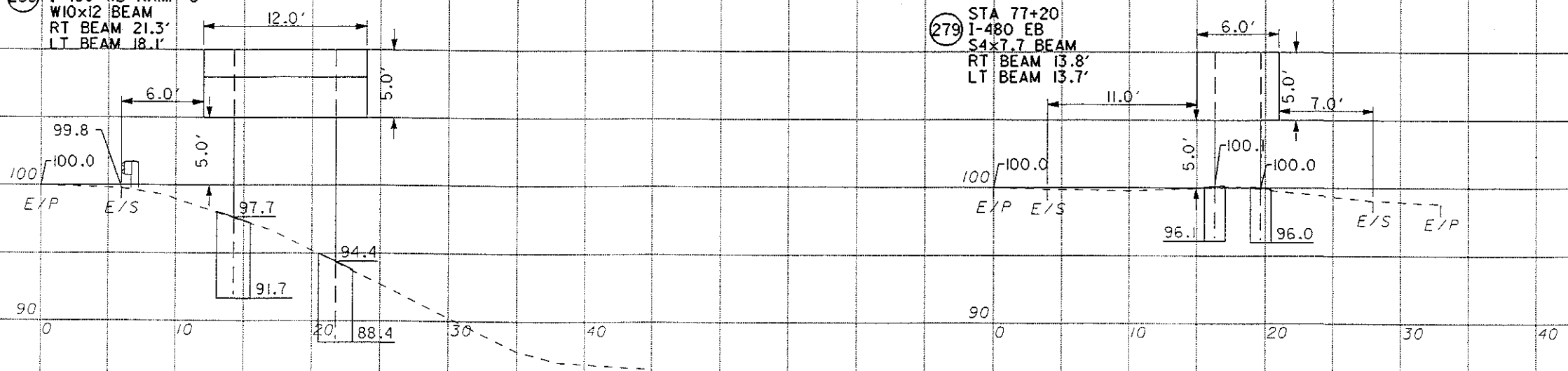
219b STA 12+00
I-480 EB
W6x9 BEAM
RT BEAM 17.7'
LT BEAM 17.1'

219c STA 12+00
I-480 EB
W6x9 BEAM
RT BEAM 18.6'
LT BEAM 15.6'



255 STA 2+80
I-480 WB RAMP J
W10x12 BEAM
RT BEAM 21.3'
LT BEAM 18.1'

279 STA 77+20
I-480 EB
S4x7.7 BEAM
RT BEAM 13.8'
LT BEAM 13.7'



CROSS SECTIONS

SUM / POR - 480 - 0.00

68b
75

SHEET TOTAL

SHEET TOTAL

Estimated Quantities

Reference Marker Signs

COUNTY	ROUTE	COUNTY LOG FROM	COUNTY LOG TO	STATE LOG FROM	STATE LOG TO	TYPE OF INSTALLATION	630			
							MAINLINE REFERENCE MARKER	RAMP REFERENCE MARKER	GROUND MOUNTED SUPPORT, NO.3 POST	CONCRETE MEDIAN BARRIER SIGN BRACKET
							EACH	EACH	LIN FT	EACH
SUMMIT	480/SR 14	0.00	8.67	32.17	40.84	BACK-TO-BACK	86	10	518.5	
PORTAGE	480/SR 14	0.00	0.11	40.84	41.00	DUAL	2	6	85.0	
PORTAGE	480/SR 14	0.11	0.91	41.00	41.80	BACK-TO-BACK	8		76.0	
PORTAGE	480/SR 14	0.91	1.45	41.80	42.29	BACK-TO-BACK	4			2
PORTAGE	480/SR 14	1.45	1.74	24.91	25.20	BACK-TO-BACK		4	44.0	
TOTALS CARRIED TO GENERAL SUMMARY							100	20	723.5	2

NOTE: TYPE OF INSTALLATION
BACK-TO-BACK OR DUAL.

DEFINITIONS:
1) BACK-TO-BACK: 2 SIGNS ON
1 SUPPORT
2) DUAL: 2 SIGNS AND 2 SUPPORTS,
1 SIGN ON EACH SUPPORT

kopnick@D04CD0234117 - ufrmb.m - Friday, October 11 2002 12:24:43 PM EDT

REFERENCE MARKER SUBSUMMARY

SUM / POR - 480-0.00

RAMP REFERENCE MARKER SIGN LETTERING

County	Route	STATE LOG	LINE 1	LINE 2	LINE 3	LINE 4	NO. MRKRS NEEDED
SUMMIT	480/SR14	36.30	RAMP	E 480/14	TO	SR 82	1
SUMMIT	480/SR14	36.30	RAMP	SR 82	TO	E 480/14	2
SUMMIT	480/SR14	36.30	RAMP	W 480/14	TO	SR 82	1
SUMMIT	480/SR14	36.30	RAMP	SR 82	TO	W 480/14	1
SUMMIT	480/SR14	36.99	RAMP	E 480/14	TO	SR 91	1
SUMMIT	480/SR14	36.99	RAMP	SR 91	TO	E 480/14	1
SUMMIT	480/SR14	36.99	RAMP	W 480/14	TO	SR 91	2
SUMMIT	480/SR14	36.99	RAMP	SR 91	TO	W 480/14	1
PORTAGE	480/SR14	41.63	RAMP	E 480/14	TO	FROST RD	1
PORTAGE	480/SR14	41.63	RAMP	FROST RD	TO	E 480/14	2
PORTAGE	480/SR14	41.63	RAMP	W 480/14	TO	FROST RD	1
PORTAGE	480/SR14	41.63	RAMP	FROST RD	TO	W 480/14	2
PORTAGE	480/SR14	42.29	RAMP	E 480/14	TO	OH TRNPK	1
PORTAGE	SR 14	25.07	RAMP	OH TRNPK	TO	E 480/14	1
PORTAGE	SR 14	25.07	RAMP	W 480/14	TO	OH TRNPK	1
PORTAGE	SR 14	25.07	RAMP	OH TRNPK	TO	W 480/14	1

Notes:

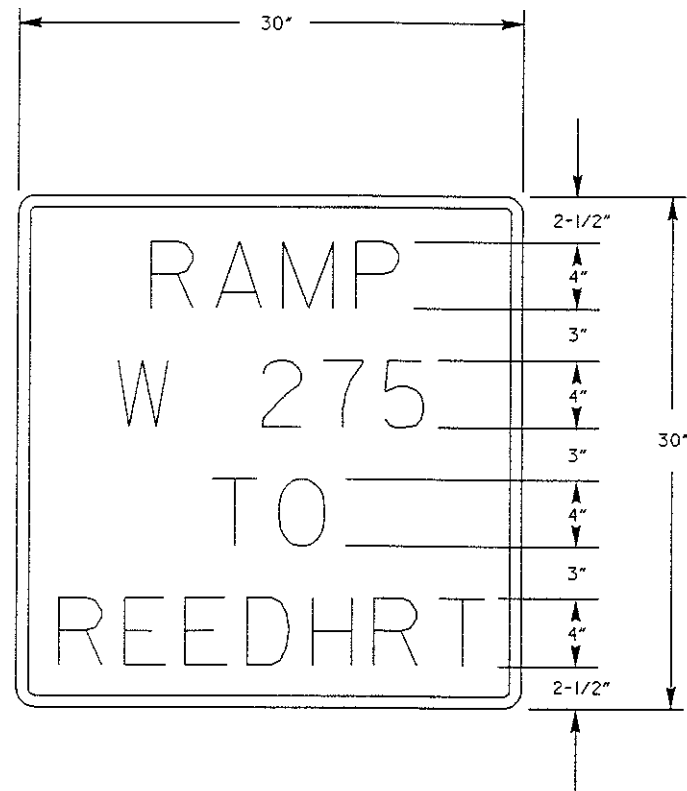
1. See Sheet -- for typical ramp reference marker layout.

Typical Reference Markers

Typical Ramp Reference Marker

Color: White On Blue
Series C

Type G sheeting



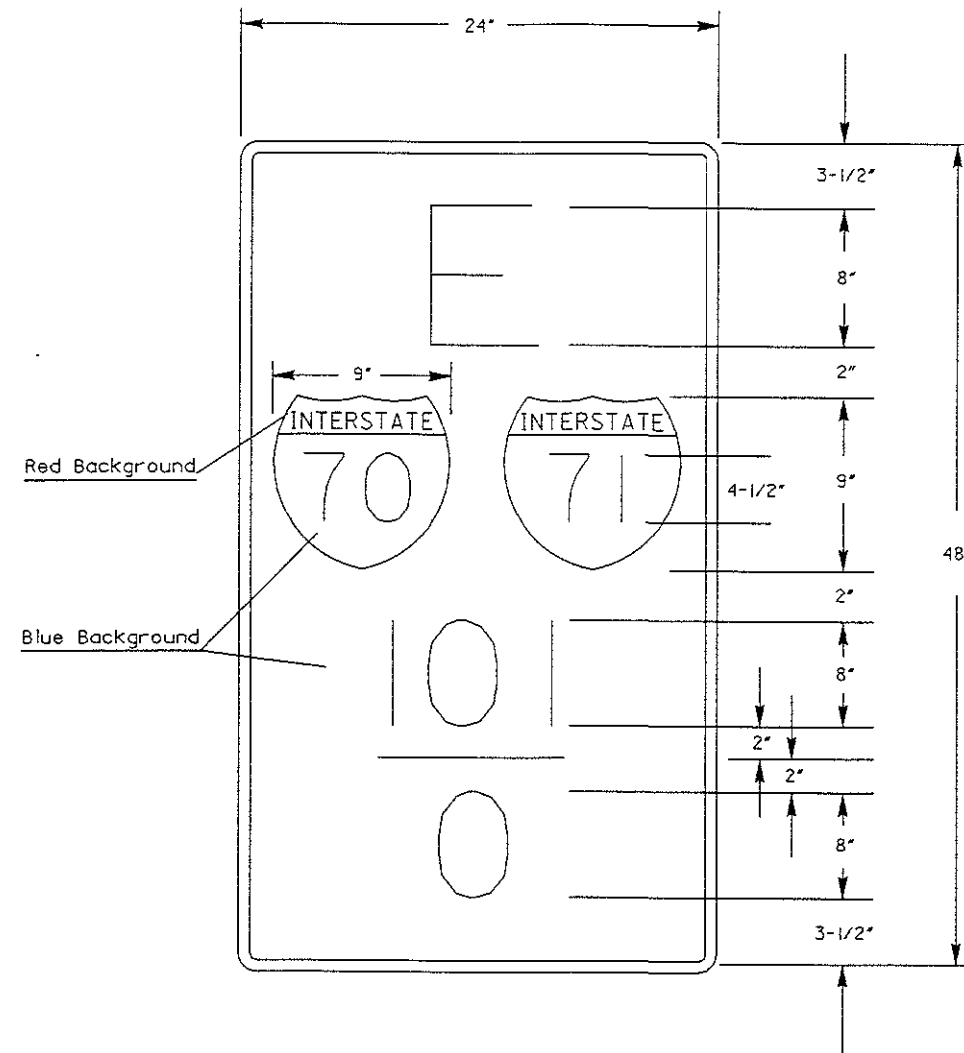
Note:

1. See Ramp Marker Installation Detail Sheets For Placement.
2. No Marker Installation On Bridges.
3. Stroke Width = 3/4"
4. Border is white, width = 3/4"
5. See Quantities For Specific Ramp Marker Lettering.

Typical Mainline Reference Marker

Color: White On Blue
Series C

Type G sheeting



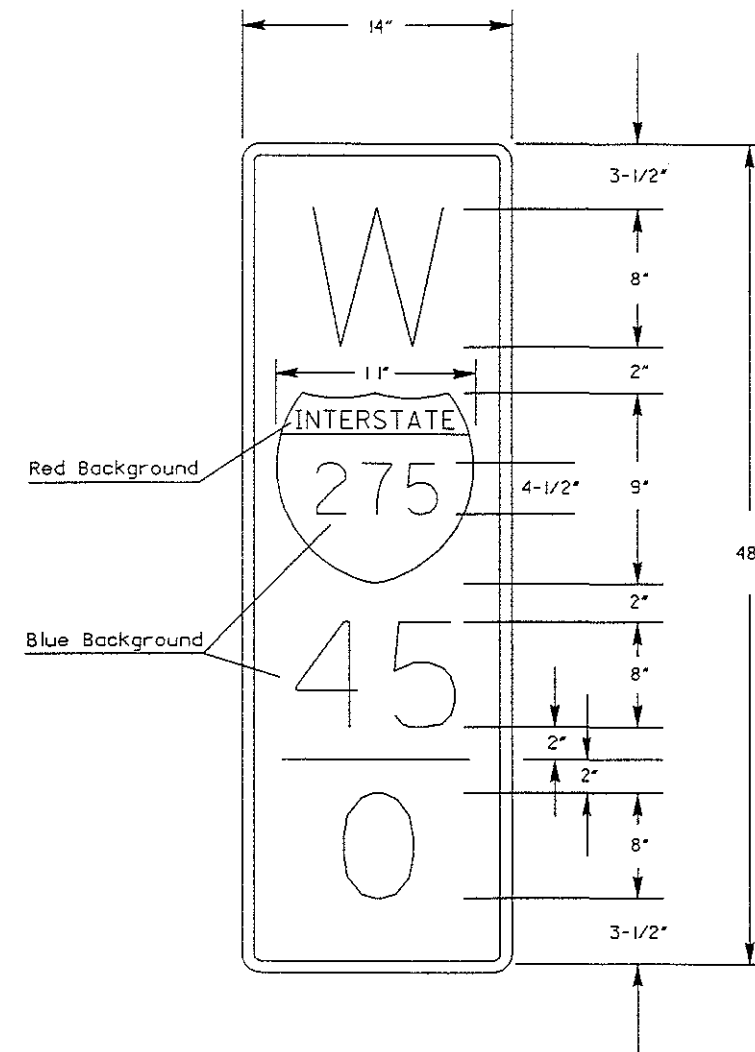
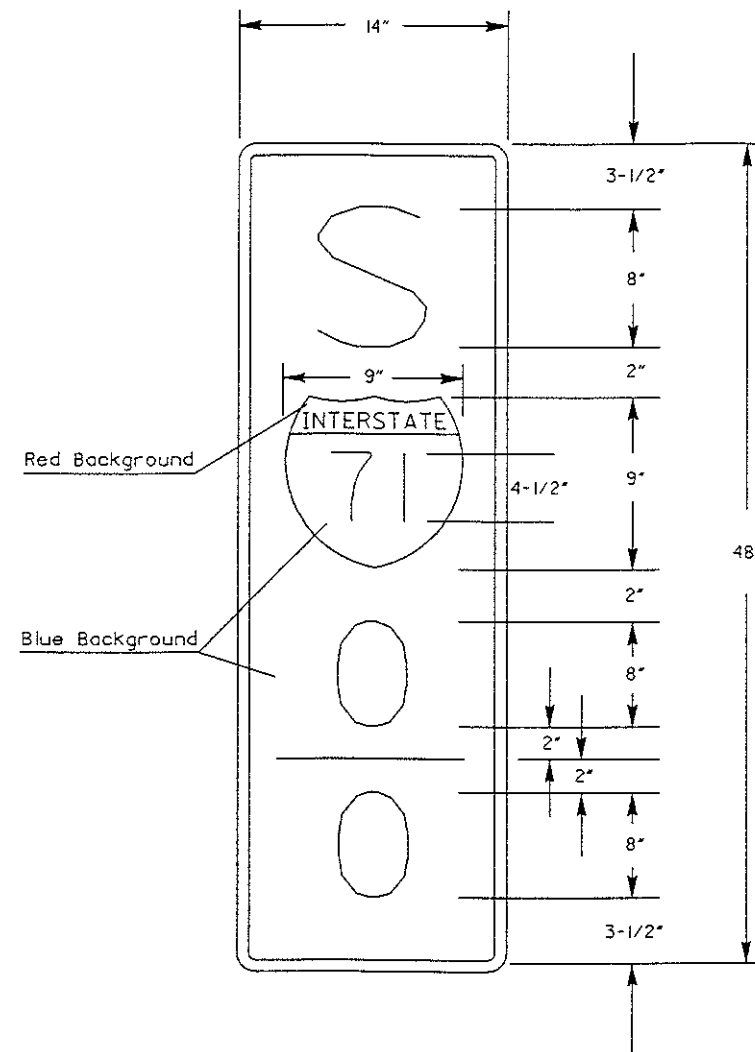
Note:

- Divider Line Thickness = 1"
- Divider Line Length = Width of Numbers above Line
- Stroke Width = 1.60"
- Border is white, width = 3/4"
- Width of dual route marker shall be 24"

Typical Reference Markers

Typical Mainline Reference Marker

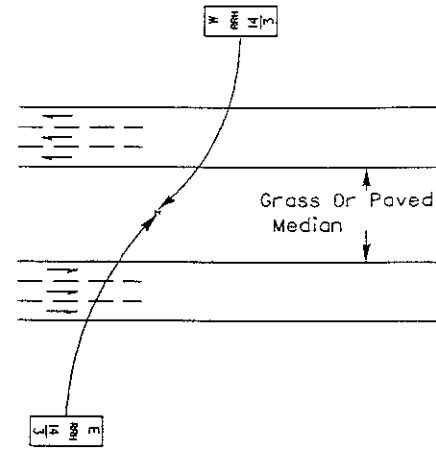
Color: White On Blue
Series C
Type G sheeting



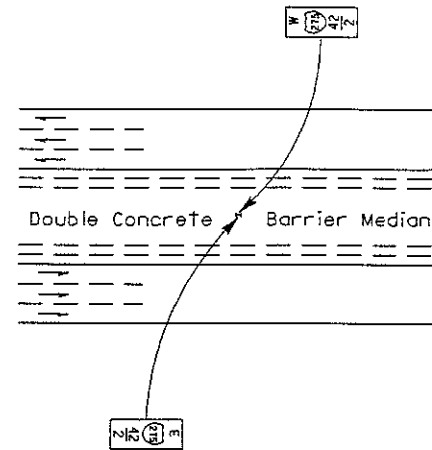
Note:
 Divider Line Thickness = 1"
 Divider Line Length = Width of Numbers above Line
 Stroke Width = 1.60"
 Border is white, width = 3/4"

Typical Reference Marker Placement

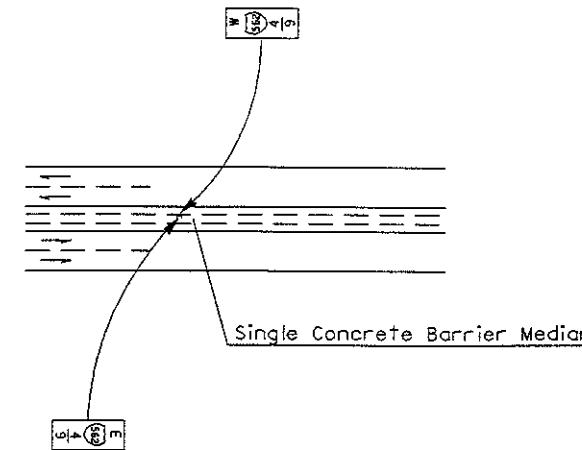
Median



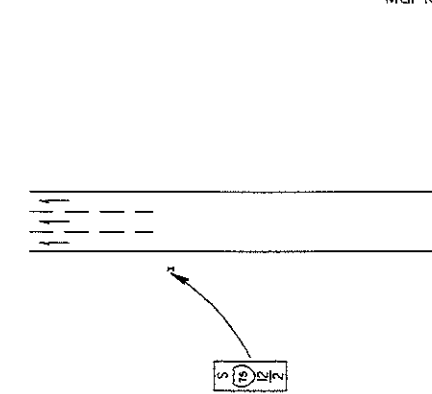
Double Concrete Barrier Median



Single Concrete Barrier Median

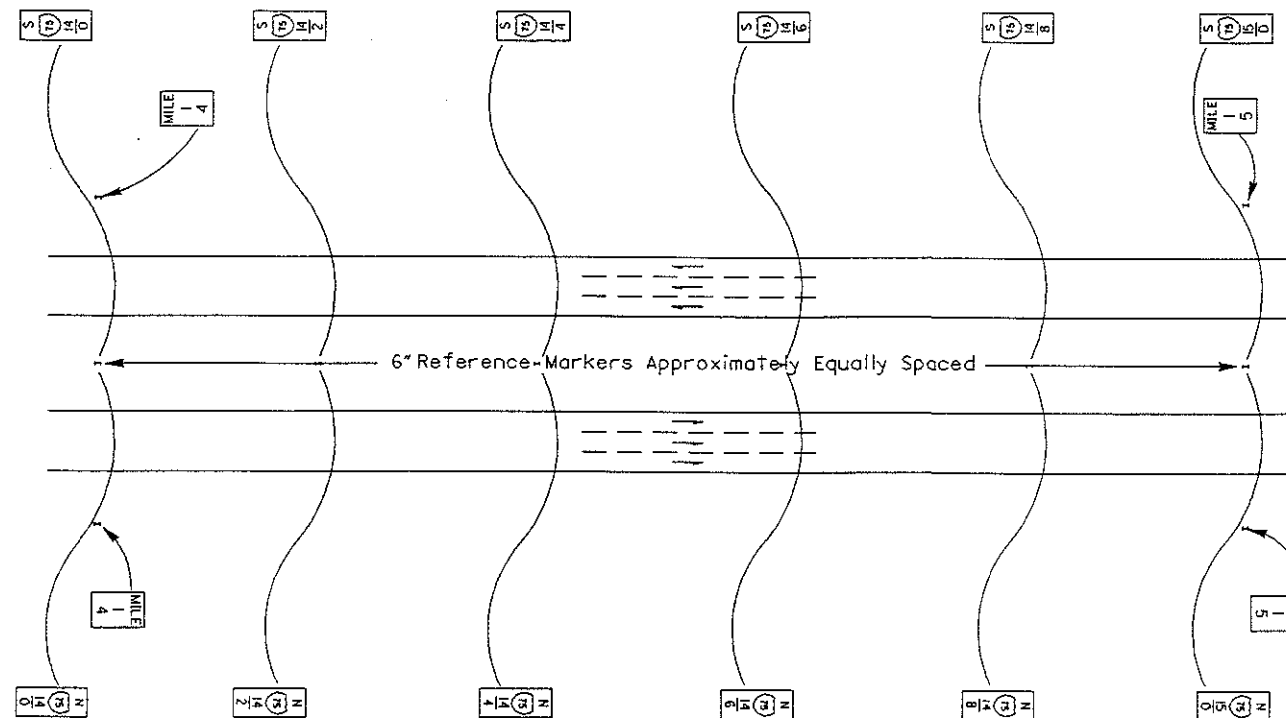
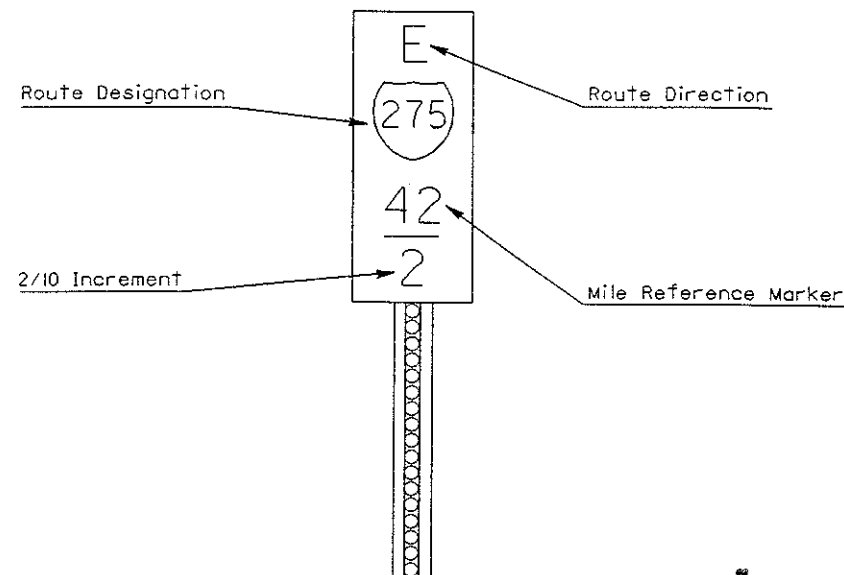


No Median Single Direction Traffic



Note: See Separate Sheet For Ramp Marker Installation.

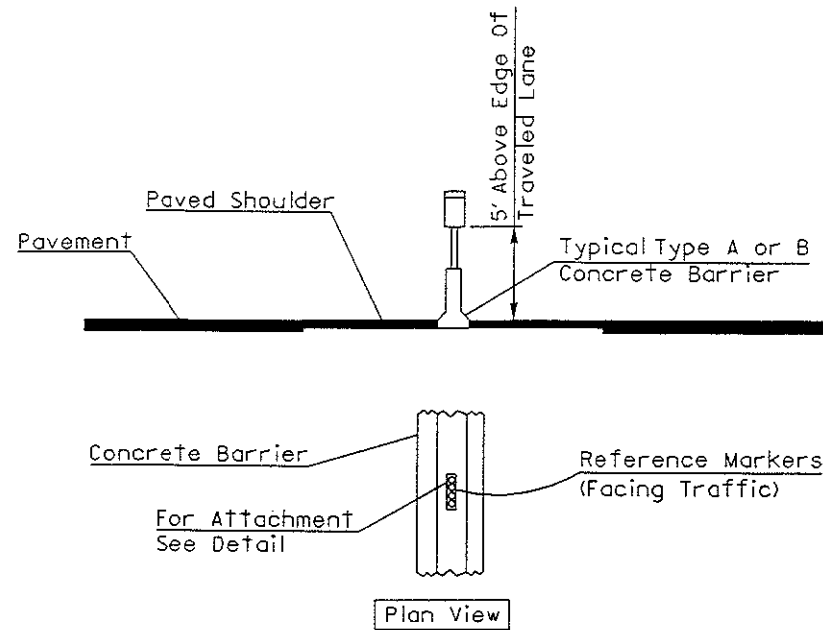
NOTES:
 -Placement other than those depicted here may apply.
 -No marker installation on bridges.



Reference Marker (Zero)
 Placed At Same Station As Northbound or Eastbound Mile Marker.

Typical Mainline Reference Marker Installation Plans

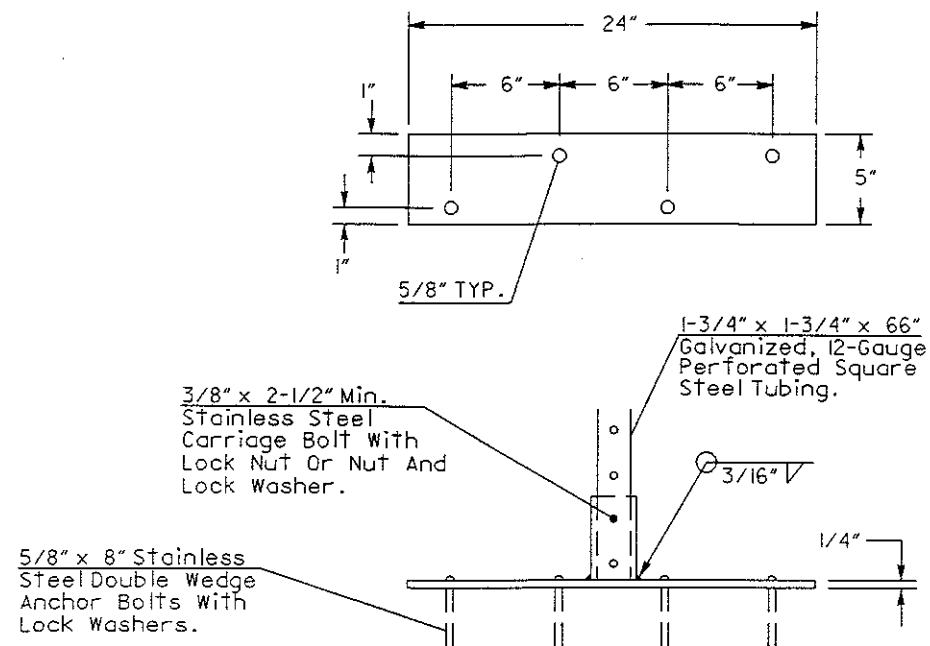
Single Median Barrier



Note:

1. Typical installed height is 2' from top of barrier wall to bottom of sign.

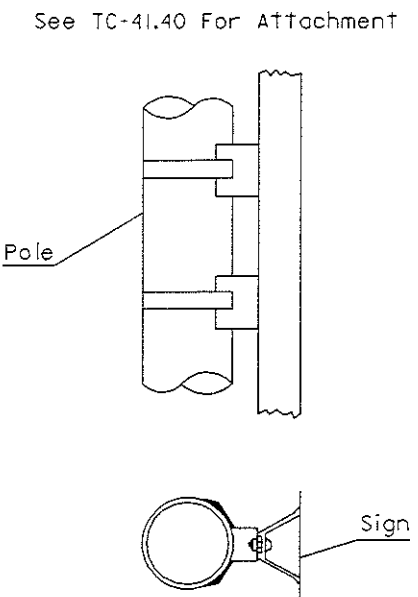
Barrier Mounting Bracket



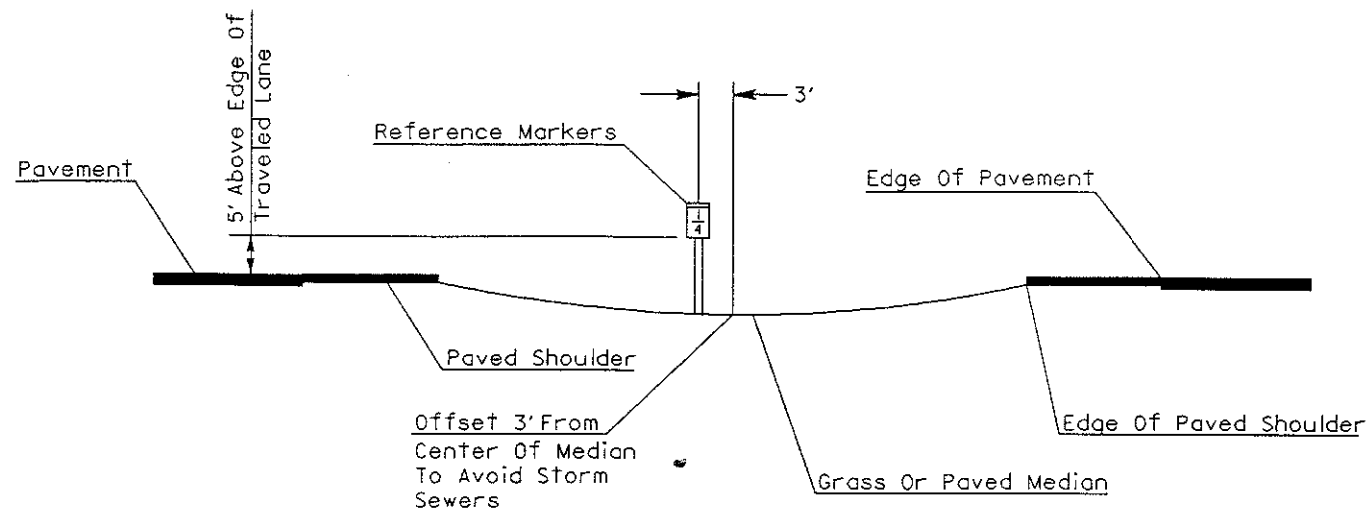
Note:

1. All Hardware Shall Be Galvanized Steel Or Stainless Steel As Specified.
2. All Work And Materials Shall Be In Accordance With Standard Specification.

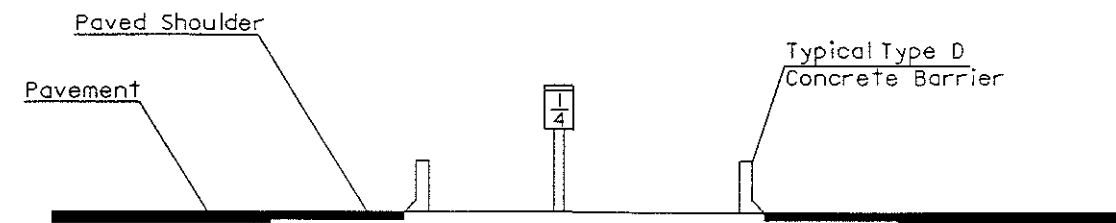
Light Poles



Median



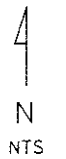
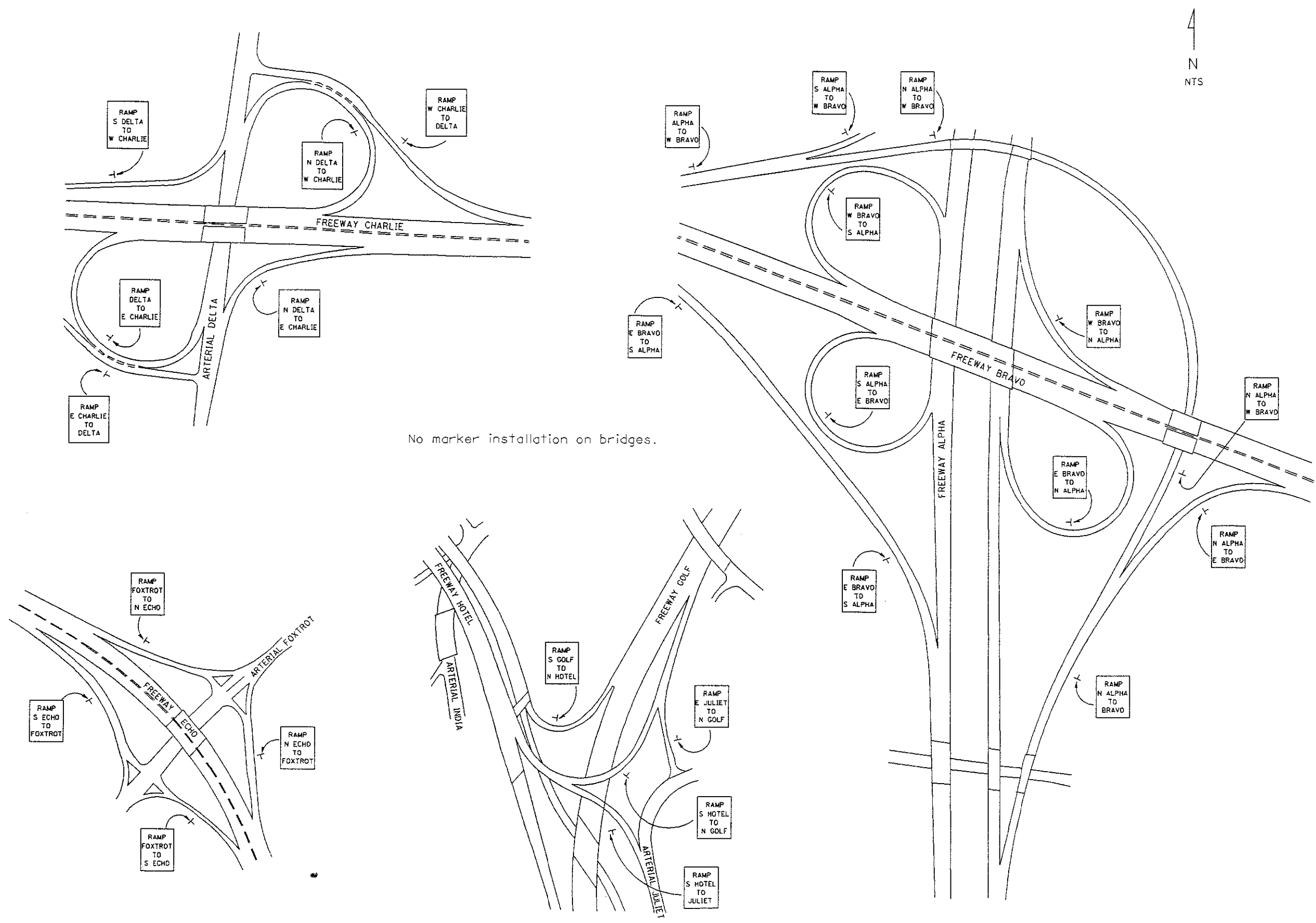
Double Median Barrier



Note:

1. Typical installed height on a raised median is 4' from top of median to bottom of sign.

Typical Ramp Marker Installation



kopnick@D:\CDD\234117 - ulrmd.rn - Friday October 11 2002 12:27:06 PM EDT

CALCULATED
CHECKED

REFERENCE MARKER DETAILS

SUM / POR - 480 - 0.00

75
75